

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063083.D
 Acq On : 15 Jul 2019 16:27
 Operator : VA/AP
 Sample : VD0715SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

Quant Time: Jul 16 08:20:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	752918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	983260	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	811212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	472070	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	421483	44.94	ug/l	0.00
Spiked Amount			Recovery	=	89.88%	
35) Dibromofluoromethane	6.91	113	472115	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
50) Toluene-d8	10.41	98	1018342	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	13.55	95	484819	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	225997	27.158	ug/l	97
3) Chloromethane	1.73	50	180007	24.695	ug/l #	86
4) Vinyl Chloride	1.83	62	167619	20.859	ug/l	99
5) Bromomethane	2.14	94	66506	19.723	ug/l	92
6) Chloroethane	2.24	64	83328	22.323	ug/l #	84
7) Trichlorofluoromethane	2.51	101	344973	21.207	ug/l	98
8) Diethyl Ether	2.85	74	47092	20.580	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.13	101	181094	19.307	ug/l	94
10) Methyl Iodide	3.29	142	232145	20.160	ug/l	98
11) Tert butyl alcohol	4.08	59	53007	97.930	ug/l #	89
12) 1,1-Dichloroethene	3.11	96	132755	19.931	ug/l	94
13) Acrolein	3.02	56	19885	121.721	ug/l #	77
14) Allyl chloride	3.60	41	220959	21.107	ug/l	98
15) Acrylonitrile	4.18	53	119365	99.762	ug/l	100
16) Acetone	3.21	43	208534	92.055	ug/l	96
17) Carbon Disulfide	3.36	76	422764	22.174	ug/l	96
18) Methyl Acetate	3.63	43	97463	30.082	ug/l	94
19) Methyl tert-butyl Ether	4.22	73	324923	19.324	ug/l #	91
20) Methylene Chloride	3.80	84	157435	18.396	ug/l	92
21) trans-1,2-Dichloroethene	4.19	96	153897	20.813	ug/l	96
22) Diisopropyl ether	5.11	45	476971	20.956	ug/l	99
23) Vinyl Acetate	5.04	43	1303757	98.184	ug/l	98
24) 1,1-Dichloroethane	4.96	63	293193	20.912	ug/l #	97
25) 2-Butanone	6.06	43	208867	96.555	ug/l	97
26) 2,2-Dichloropropane	6.01	77	332639	21.438	ug/l	100
27) cis-1,2-Dichloroethene	6.01	96	168898	20.080	ug/l	96
28) Bromochloromethane	6.42	49	104145	20.475	ug/l	90
29) Tetrahydrofuran	6.46	42	94634	96.507	ug/l	97
30) Chloroform	6.65	83	362664	21.004	ug/l	96
31) Cyclohexane	6.93	56	183015	20.498	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	345792	20.309	ug/l	98
36) 1,1-Dichloropropene	7.13	75	242812	21.957	ug/l	92
37) Ethyl Acetate	6.17	43	98275	20.765	ug/l #	94
38) Carbon Tetrachloride	7.10	117	350797	20.876	ug/l	89

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 ALS Vial : 10 Sample Multiplier: 1

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	208584	21.817	ug/l	92
40) Benzene	7.44	78	493771	21.319	ug/l	98
41) Methacrylonitrile	6.45	41	124569	19.414	ug/l #	87
42) 1,2-Dichloroethane	7.57	62	249626	20.230	ug/l	98
43) Isopropyl Acetate	9.23	43	140315	20.684	ug/l #	99
44) Trichloroethene	8.53	130	198978	22.230	ug/l	96
45) 1,2-Dichloropropane	8.93	63	124785	21.609	ug/l	95
46) Dibromomethane	9.06	93	105682	21.297	ug/l	94
47) Bromodichloromethane	9.36	83	262895	20.302	ug/l	94
48) Methyl methacrylate	9.12	41	95947	21.538	ug/l	94
49) 1,4-Dioxane	9.08	88	16107	419.239	ug/l #	80
51) 4-Methyl-2-Pentanone	10.29	43	477219	106.064	ug/l	95
52) Toluene	10.50	92	311979	20.171	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	226284	20.397	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	238552	20.796	ug/l	92
55) 1,1,2-Trichloroethane	11.18	97	113029	21.147	ug/l	94
56) Ethyl methacrylate	11.04	69	109570	18.348	ug/l	95
57) 1,3-Dichloropropane	11.40	76	185568	22.817	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.84	63	336109	101.080	ug/l	95
59) 2-Hexanone	11.53	43	335775	96.767	ug/l	95
60) Dibromochloromethane	11.68	129	212430	20.734	ug/l	99
61) 1,2-Dibromoethane	11.79	107	135320	21.151	ug/l	99
64) Tetrachloroethene	11.25	164	172270	21.885	ug/l	97
65) Chlorobenzene	12.39	112	408549	21.424	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	193991	21.942	ug/l	97
67) Ethyl Benzene	12.51	91	713871	21.545	ug/l	97
68) m/p-Xylenes	12.66	106	521556	43.949	ug/l	91
69) o-Xylene	13.04	106	251270	22.330	ug/l	100
70) Styrene	13.06	104	437422	22.208	ug/l	98
71) Bromoform	13.23	173	133631	21.590	ug/l #	93
73) Isopropylbenzene	13.40	105	759454	20.832	ug/l	96
74) N-amyl acetate	13.26	43	194743	19.154	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	124676	18.796	ug/l	94
76) 1,2,3-Trichloropropane	13.72	75	144933	19.958	ug/l	99
77) Bromobenzene	13.66	156	208330	20.151	ug/l	89
78) n-propylbenzene	13.77	91	886061	21.120	ug/l	97
79) 2-Chlorotoluene	13.83	91	493836	19.468	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	651720	20.511	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	37782	19.757	ug/l	91
82) 4-Chlorotoluene	13.94	91	625982	21.133	ug/l	93
83) tert-Butylbenzene	14.19	119	725674	20.199	ug/l	91
84) 1,2,4-Trimethylbenzene	14.23	105	669799	21.145	ug/l	94
85) sec-Butylbenzene	14.36	105	750935	19.673	ug/l	97
86) p-Isopropyltoluene	14.48	119	739999	20.781	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	367238	19.891	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	351690	19.869	ug/l	95
89) n-Butylbenzene	14.80	91	667052	20.324	ug/l	99
90) Hexachloroethane	15.00	117	191164	20.082	ug/l	87
91) 1,2-Dichlorobenzene	14.81	146	333758	20.301	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24153	18.997	ug/l	73

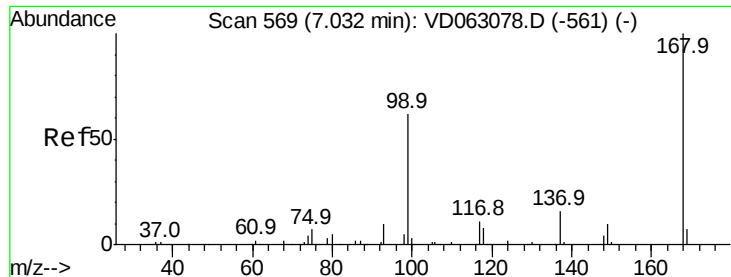
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071519\
Data File : VD063083.D
Acq On : 15 Jul 2019 16:27
Operator : VA/AP
Sample : VD0715SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
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Instrument :
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Quant Time: Jul 16 08:20:50 2019
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Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	233877	18.935	ug/l	99
94) Hexachlorobutadiene	16.04	225	195463	21.470	ug/l	98
95) Naphthalene	16.12	128	360383	19.946	ug/l	95
96) 1,2,3-Trichlorobenzene	16.26	180	190834	19.206	ug/l	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

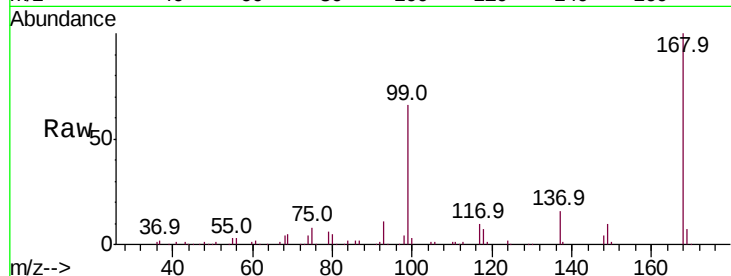
VD0715SBS01

Tot Ion:168 Resp: 752918

Ion Ratio Lower Upper

168 100

99 65.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

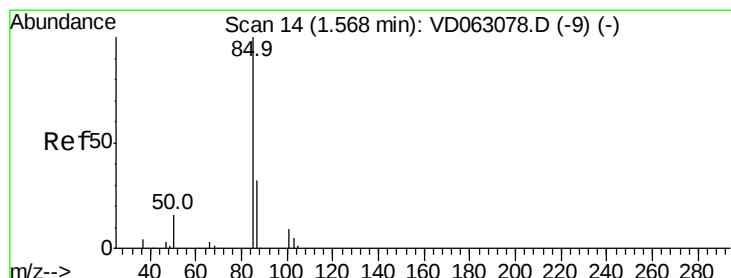
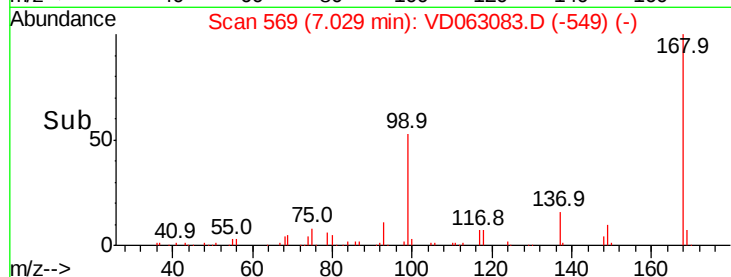
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 27.158 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063083.D

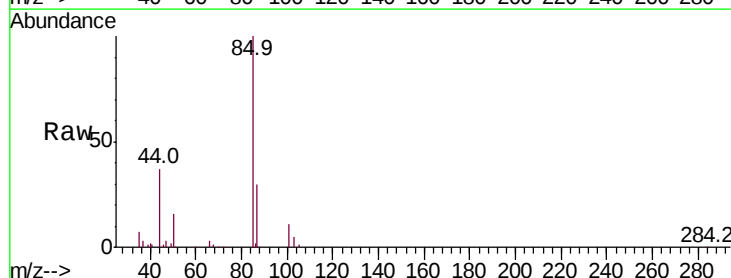
Acq: 15 Jul 2019 16:27

Tgt Ion: 85 Resp: 225997

Ion Ratio Lower Upper

85 100

87 29.9 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

120000

100000

80000

60000

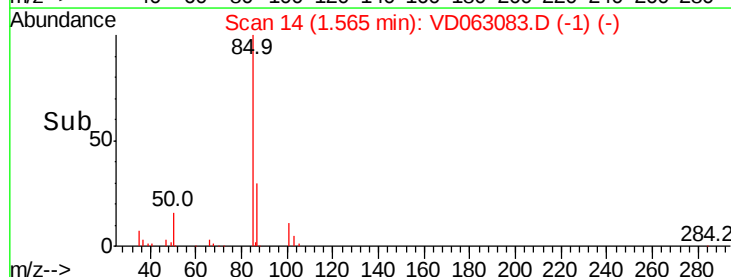
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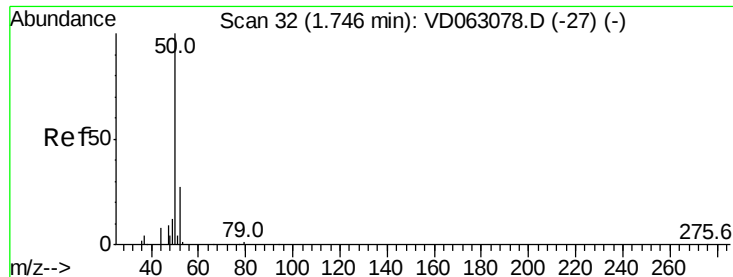
20000

0

1.50 1.60 1.70 1.80

Time-->

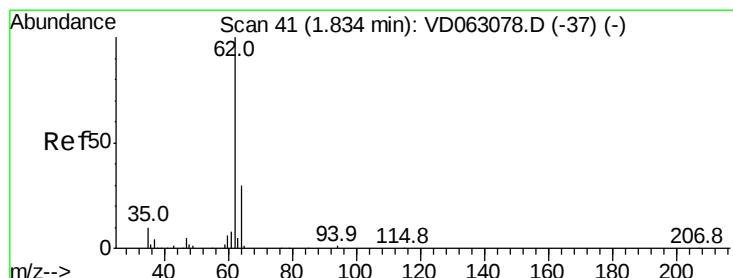
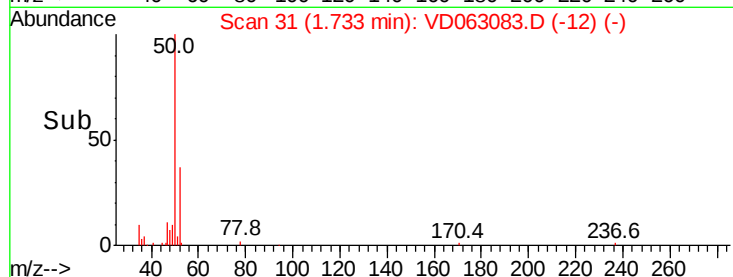
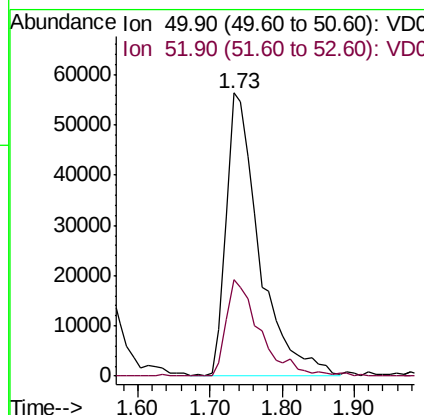
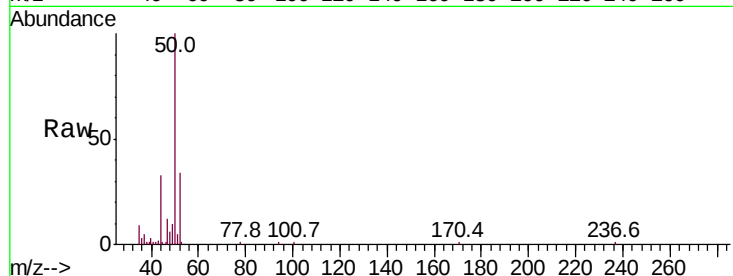




#3
Chloromethane
Concen: 24.695 ug/l
RT: 1.73 min Scan# 31
Delta R.T. -0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

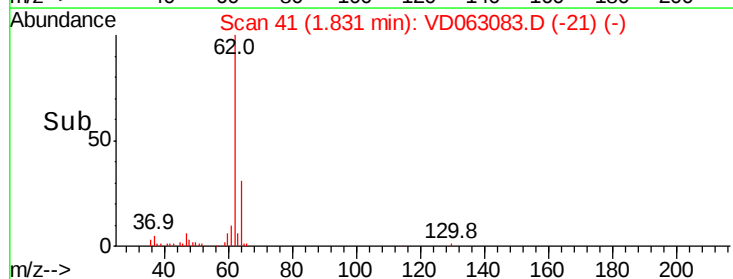
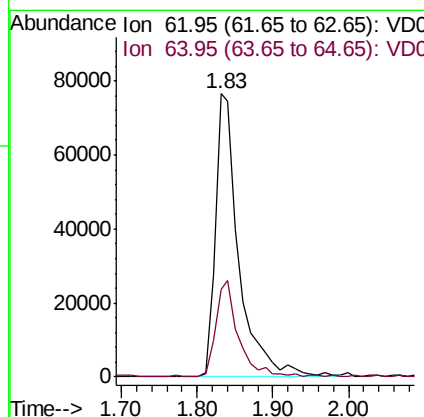
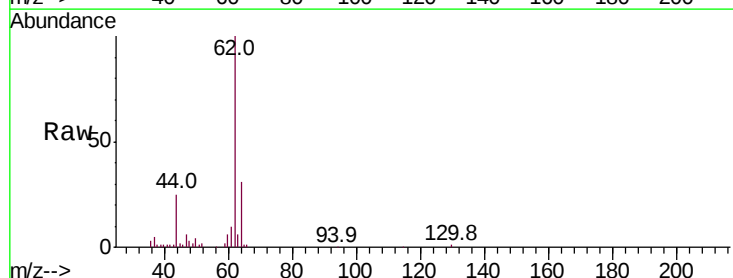
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

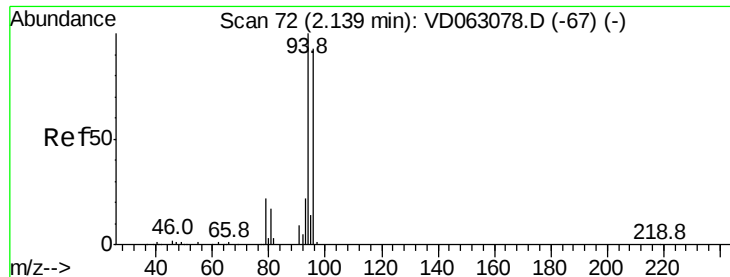
Tot Ion: 50 Resp: 180007
Ion Ratio Lower Upper
50 100
52 34.1 21.4 32.2#



#4
Vinyl Chloride
Concen: 20.859 ug/l
RT: 1.83 min Scan# 41
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion: 62 Resp: 167619
Ion Ratio Lower Upper
62 100
64 31.0 24.4 36.6





#5

Bromomethane

Concen: 19.723 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

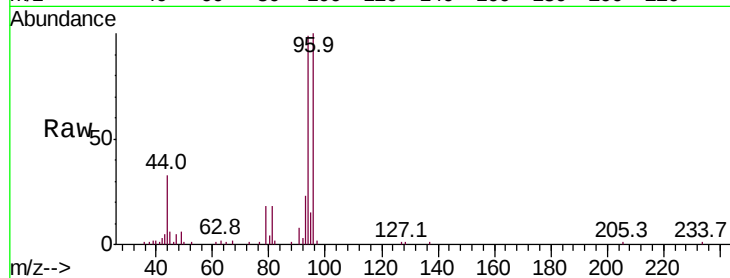
Tot Ion: 94 Resp: 66506

Ion Ratio Lower Upper

94 100

96 101.5 74.2 111.2

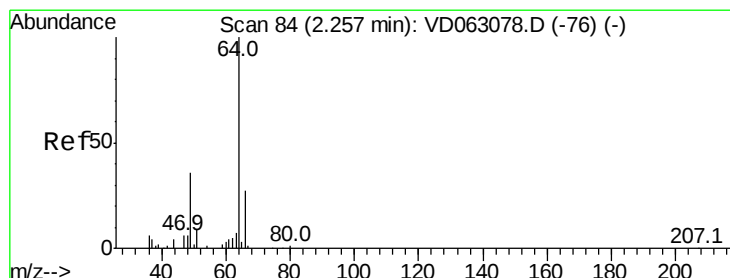
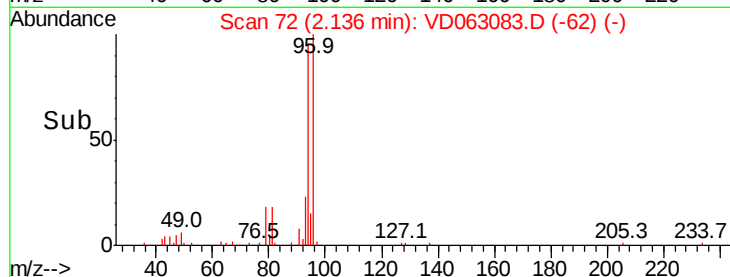
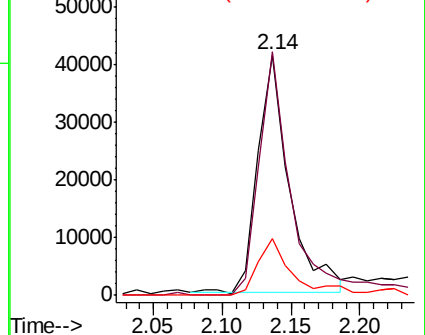
93 23.4 17.8 26.6



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 22.323 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.01 min

Lab File: VD063083.D

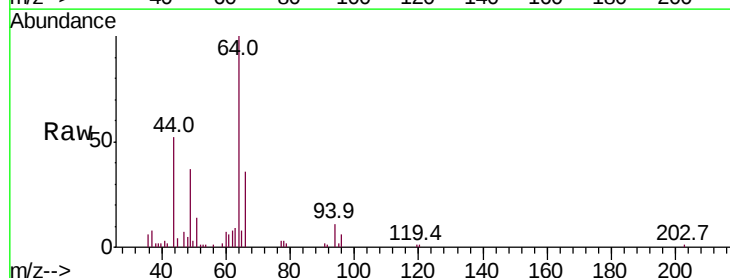
Acq: 15 Jul 2019 16:27

Tgt Ion: 64 Resp: 83328

Ion Ratio Lower Upper

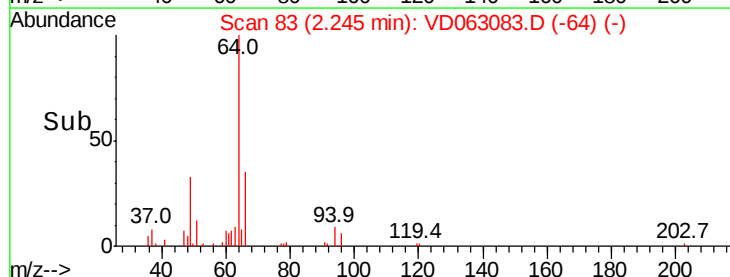
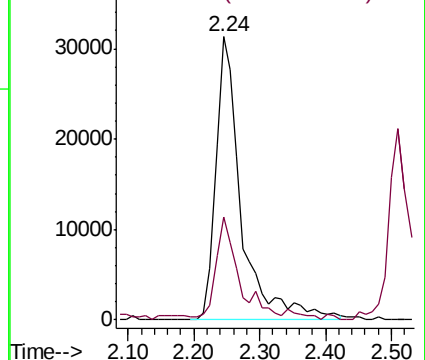
64 100

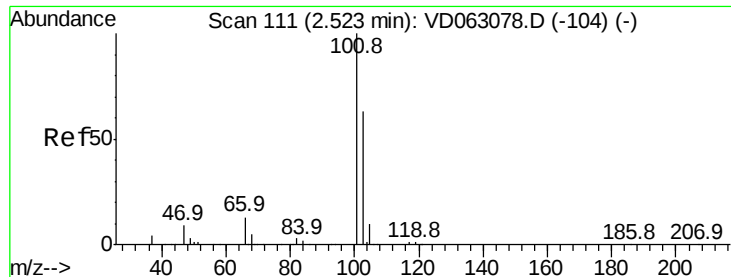
66 36.5 22.5 33.7#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



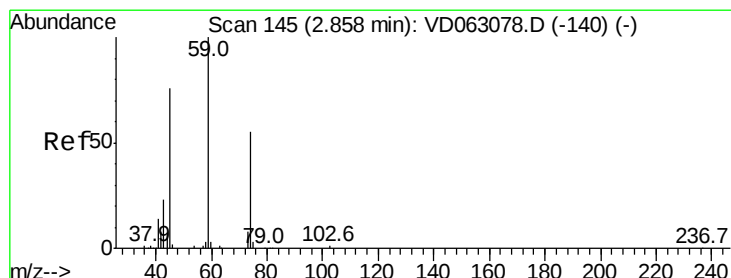
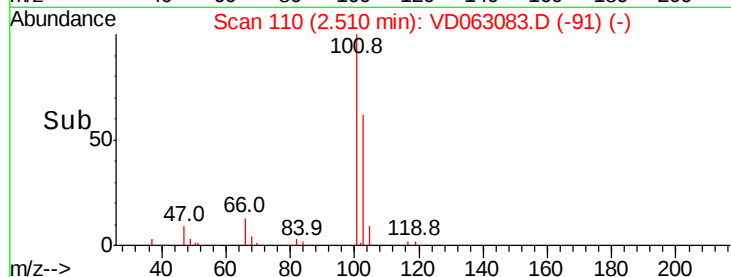
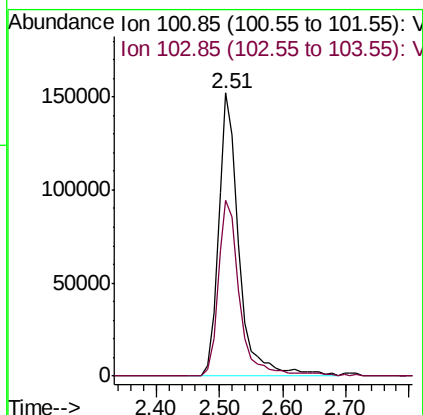
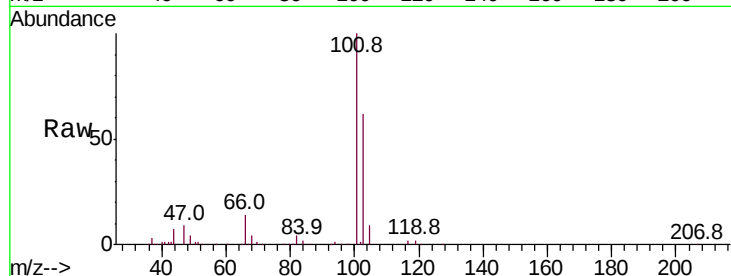


#7

Trichlorofluoromethane
 Concen: 21.207 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.01 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

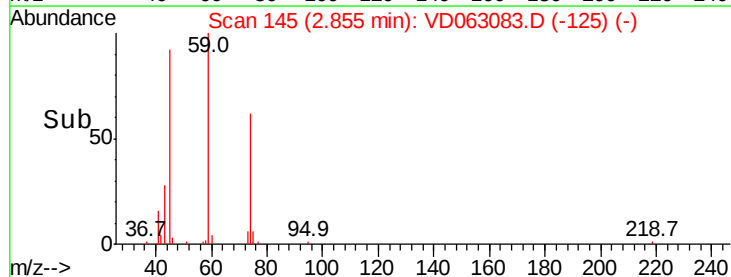
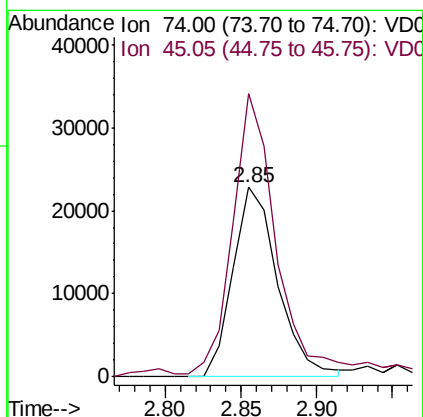
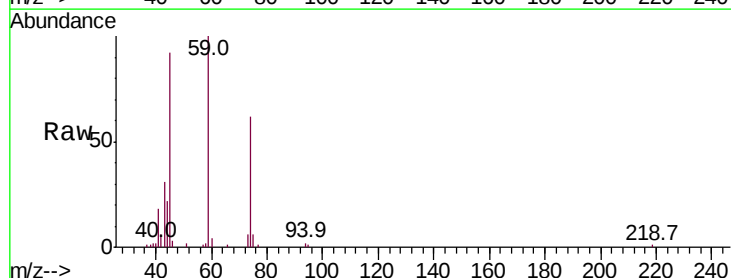
Tot Ion:101 Resp: 344973
 Ion Ratio Lower Upper
 101 100
 103 62.1 50.6 76.0

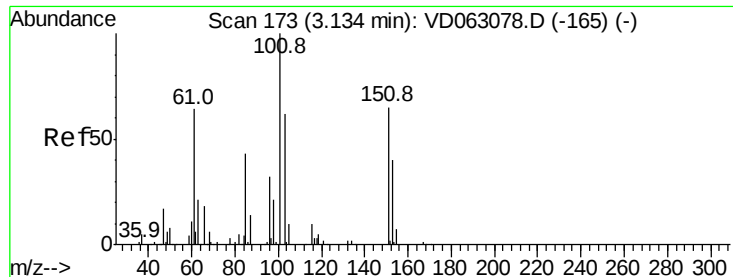


#8

Diethyl Ether
 Concen: 20.580 ug/l
 RT: 2.85 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

Tgt Ion: 74 Resp: 47092
 Ion Ratio Lower Upper
 74 100
 45 149.4 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.307 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

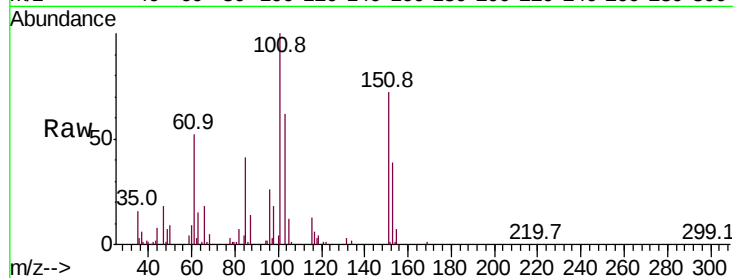
Tot Ion:101 Resp: 181094

Ion Ratio Lower Upper

101 100

85 41.4 34.6 51.8

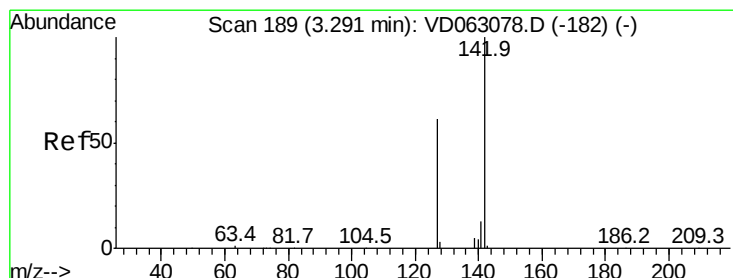
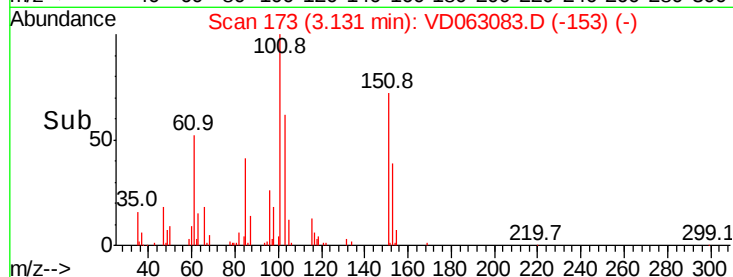
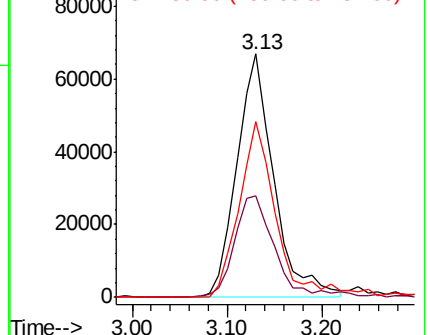
151 72.3 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.160 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

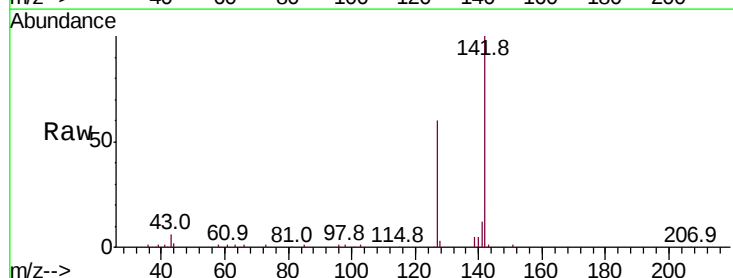
Tgt Ion:142 Resp: 232145

Ion Ratio Lower Upper

142 100

127 59.7 48.6 73.0

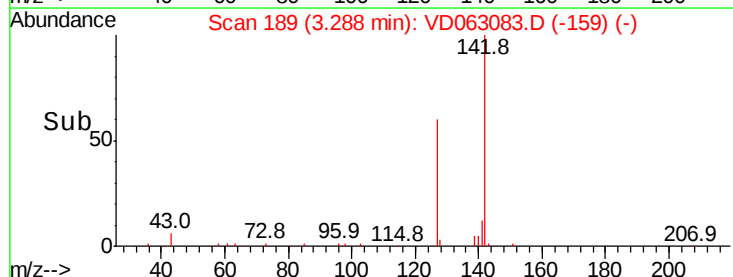
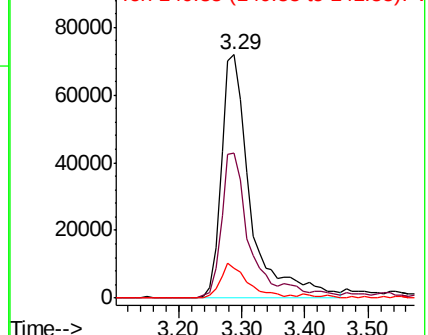
141 12.1 10.6 16.0

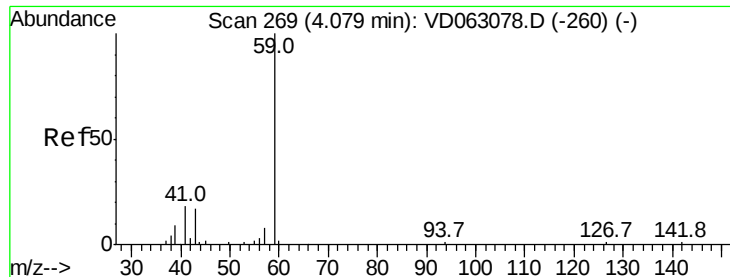


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

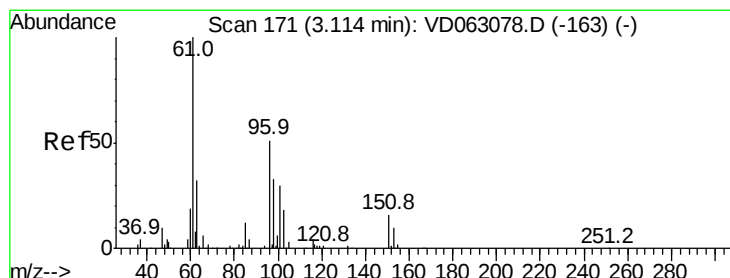
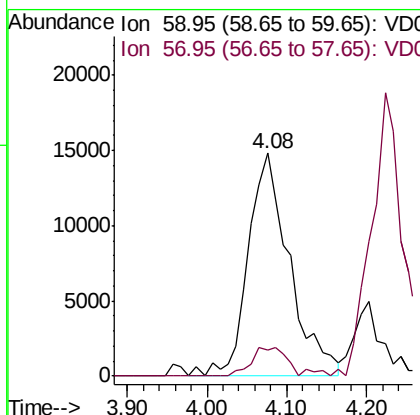
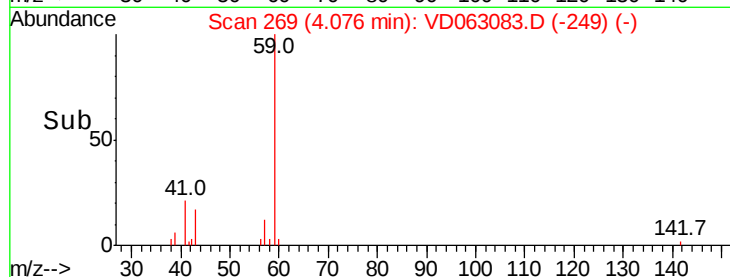
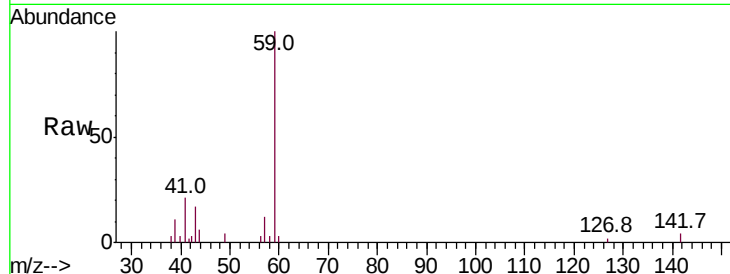




#11
Tert butyl alcohol
Concen: 97.930 ug/l
RT: 4.08 min Scan# 269
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

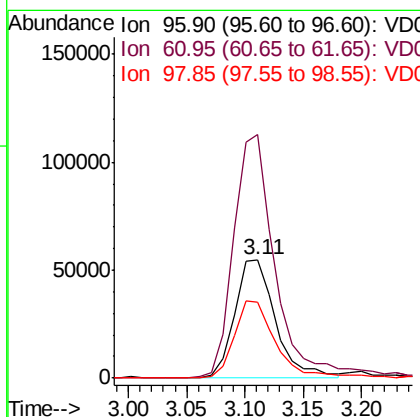
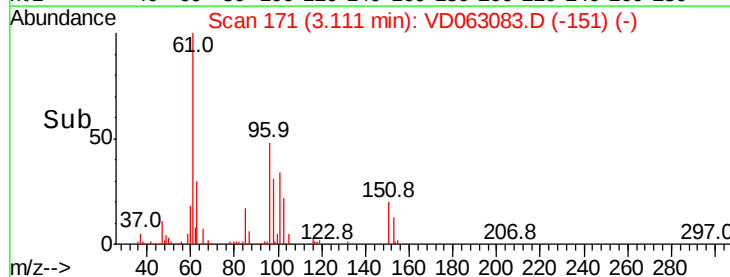
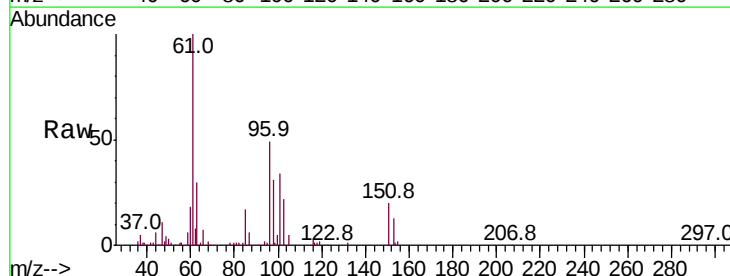
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

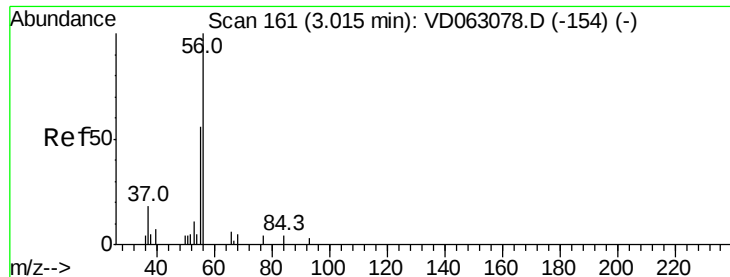
Tot Ion: 59 Resp: 53007
Ion Ratio Lower Upper
59 100
57 11.9 6.4 9.6#



#12
1,1-Dichloroethene
Concen: 19.931 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion: 96 Resp: 132755
Ion Ratio Lower Upper
96 100
61 205.5 155.5 233.3
98 64.2 51.5 77.3





#13

Acrolein

Concen: 121.721 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

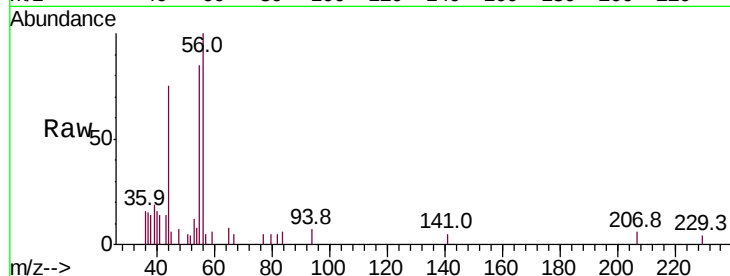
VD0715SBS01

Tot Ion: 56 Resp: 19885

Ion Ratio Lower Upper

56 100

55 84.9 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

8000

6000

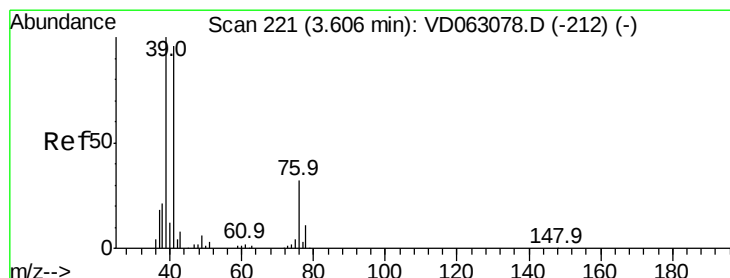
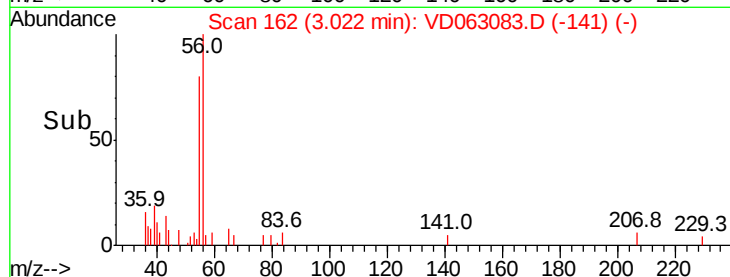
4000

2000

0

Time-->

2.95 3.00 3.05 3.10



#14

Allyl chloride

Concen: 21.107 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

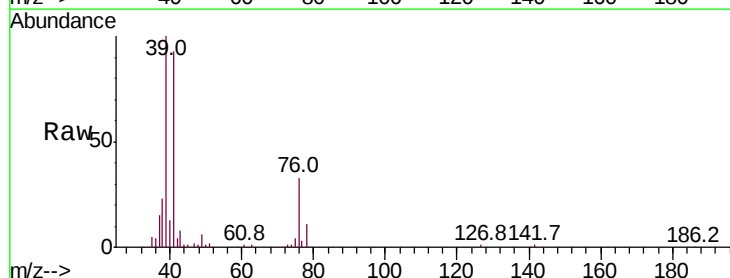
Tgt Ion: 41 Resp: 220959

Ion Ratio Lower Upper

41 100

39 107.5 83.5 125.3

76 35.2 27.8 41.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

120000

100000

80000

60000

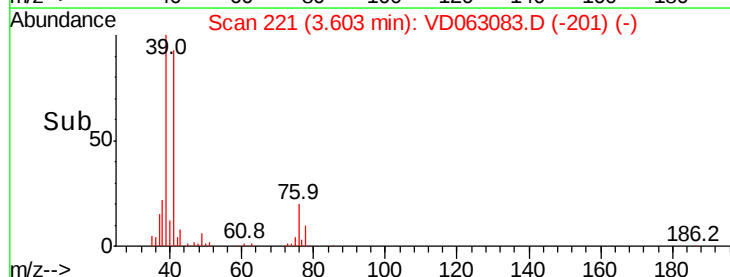
40000

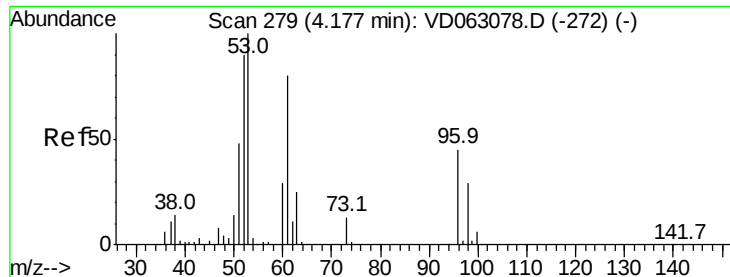
20000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 99.762 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

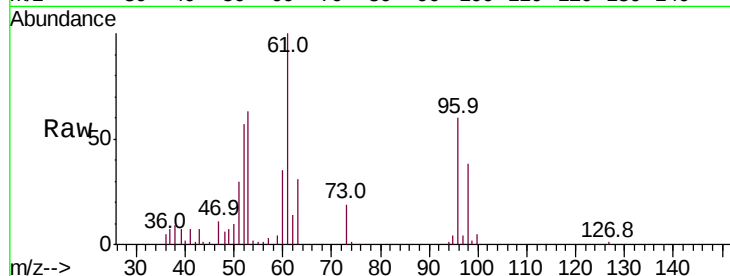
Tot Ion: 53 Resp: 119365

Ion Ratio Lower Upper

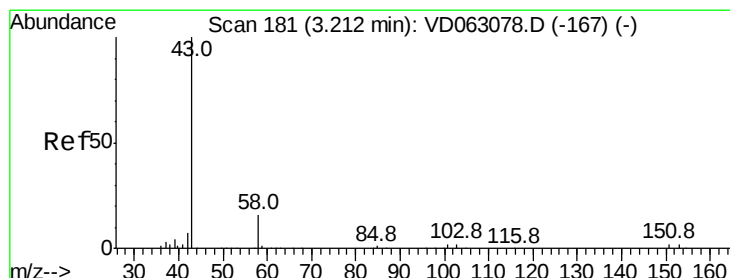
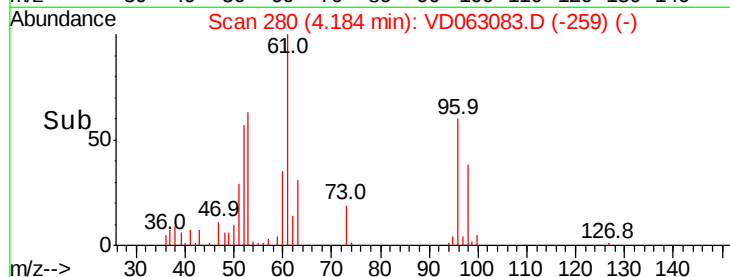
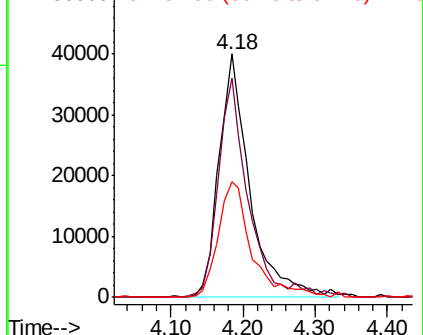
53 100

52 89.9 72.3 108.5

51 47.3 38.0 57.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 92.055 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD063083.D

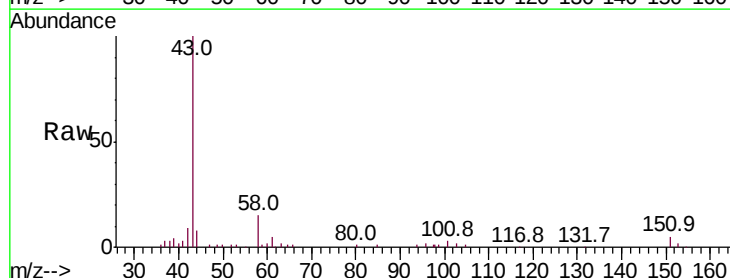
Acq: 15 Jul 2019 16:27

Tgt Ion: 43 Resp: 208534

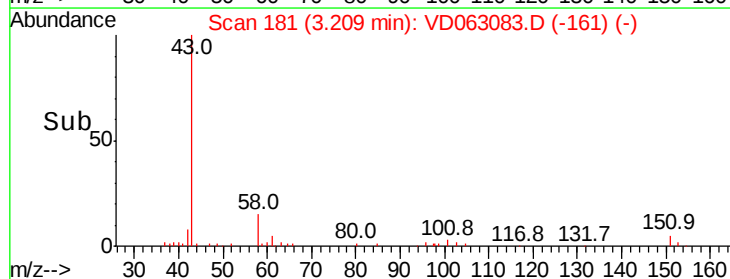
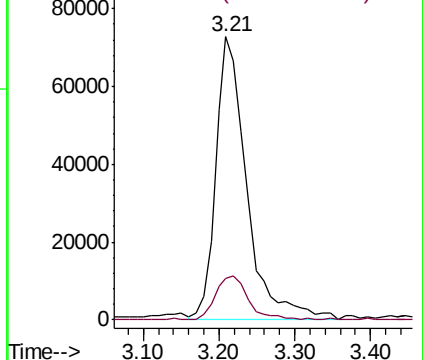
Ion Ratio Lower Upper

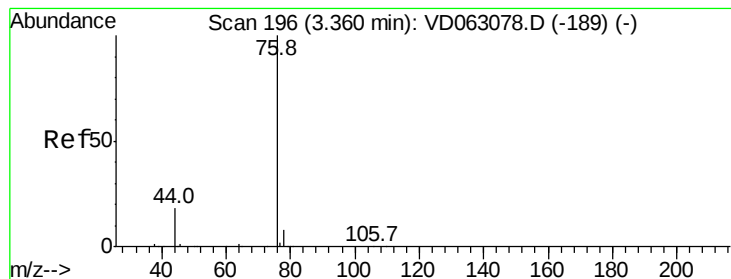
43 100

58 14.6 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 22.174 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

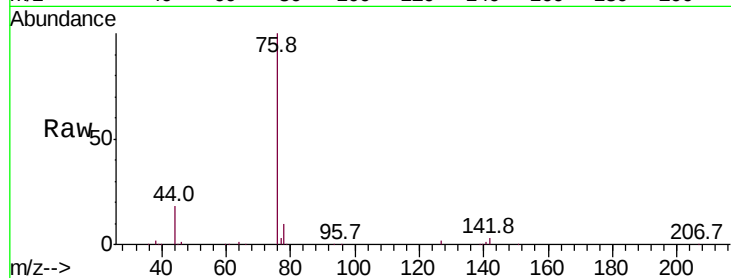
VD0715SBS01

Tot Ion: 76 Resp: 422764

Ion Ratio Lower Upper

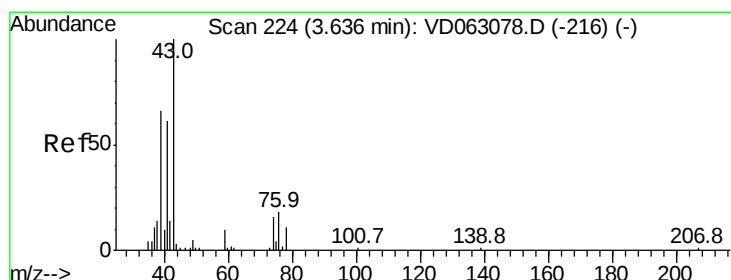
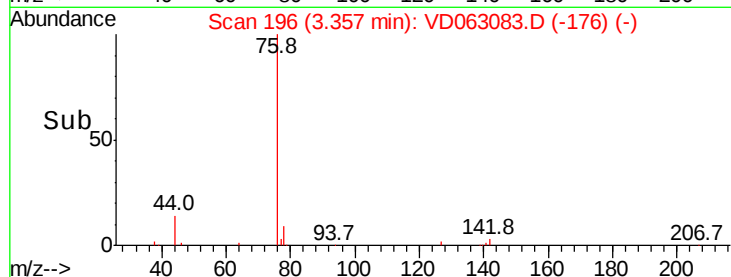
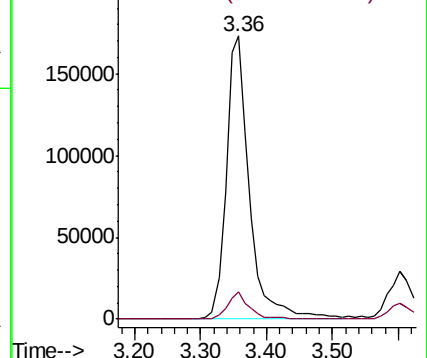
76 100

78 9.7 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 30.082 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD063083.D

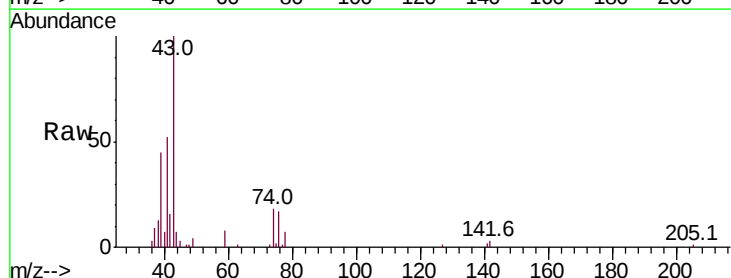
Acq: 15 Jul 2019 16:27

Tgt Ion: 43 Resp: 97463

Ion Ratio Lower Upper

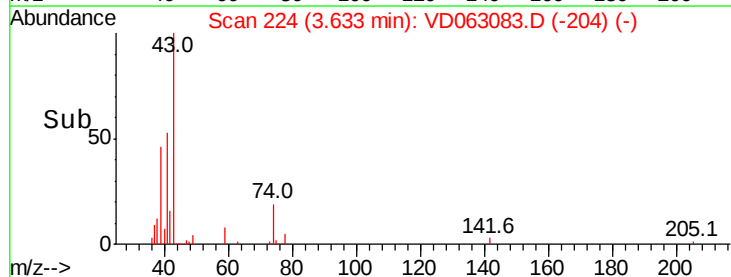
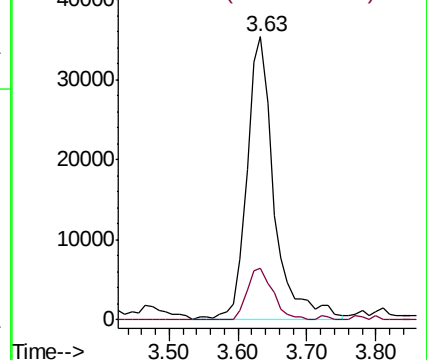
43 100

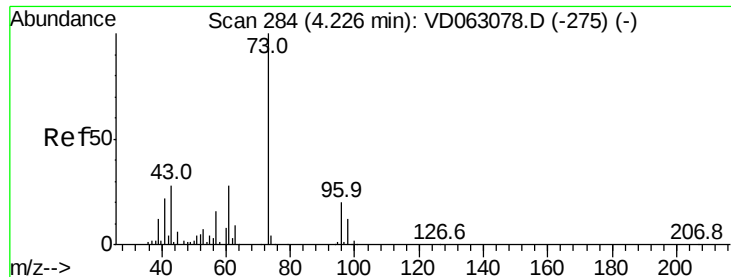
74 18.2 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



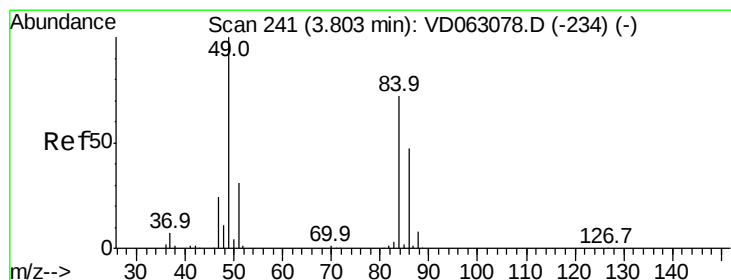
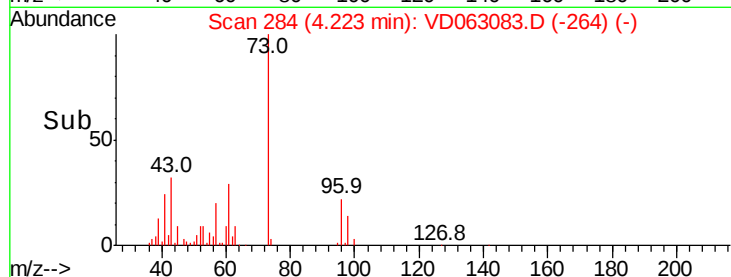
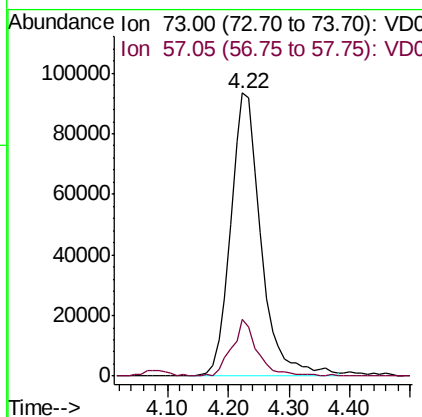
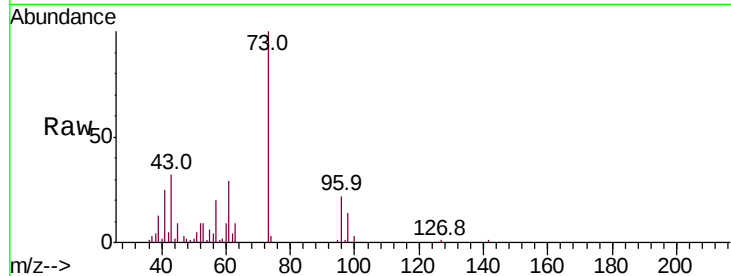


#19

Methyl tert-butyl Ether
 Concen: 19.324 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. -0.00 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

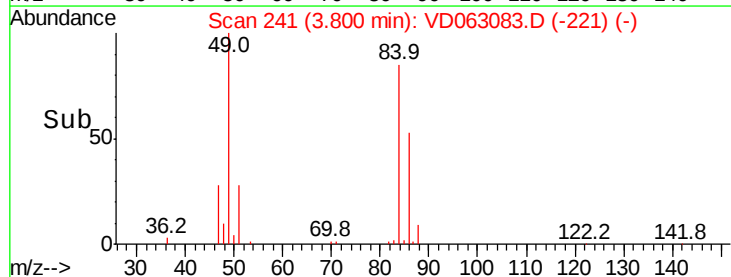
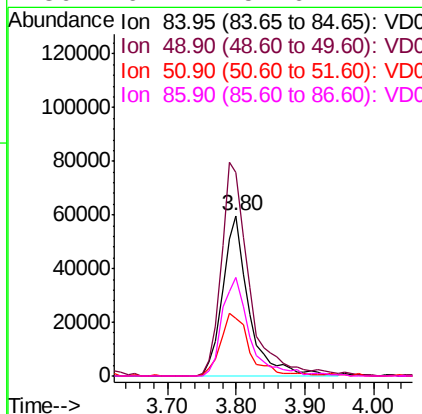
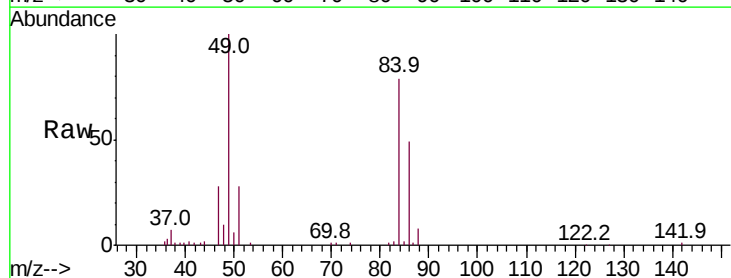
Tot Ion: 73 Resp: 324923
 Ion Ratio Lower Upper
 73 100
 57 20.1 13.1 19.7#

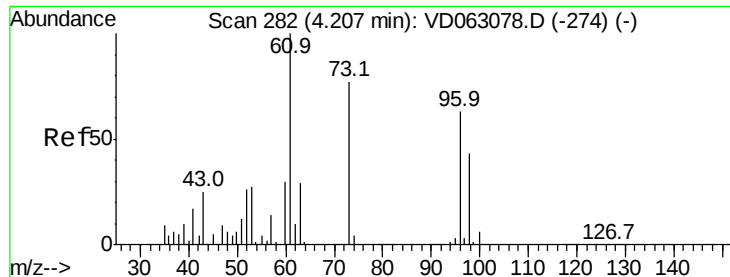


#20

Methylene Chloride
 Concen: 18.396 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

Tgt Ion: 84 Resp: 157435
 Ion Ratio Lower Upper
 84 100
 49 127.0 110.5 165.7
 51 35.9 34.6 51.8
 86 61.7 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 20.813 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

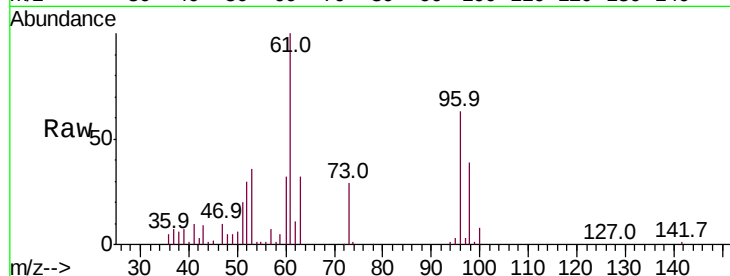
Tot Ion: 96 Resp: 153897

Ion Ratio Lower Upper

96 100

61 157.7 128.0 192.0

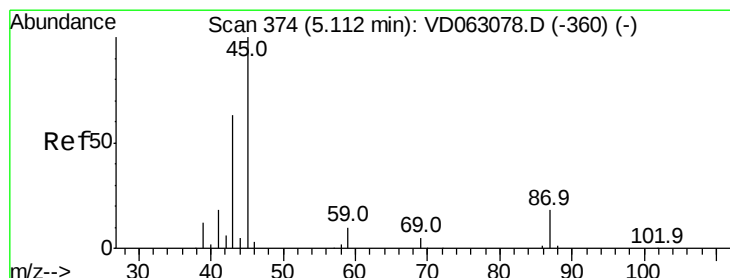
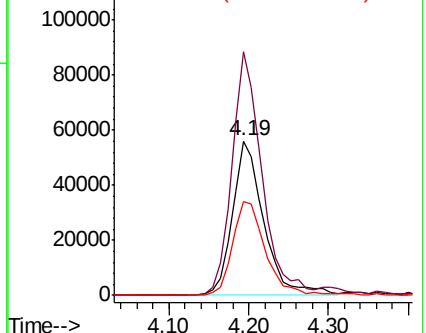
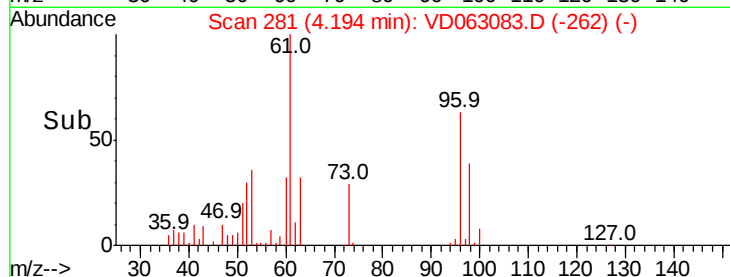
98 61.0 55.2 82.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.956 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Tgt Ion: 45 Resp: 476971

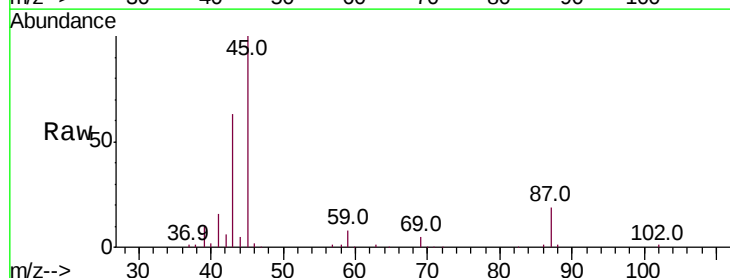
Ion Ratio Lower Upper

45 100

43 62.7 50.5 75.7

87 18.7 15.1 22.7

59 8.5 7.6 11.4

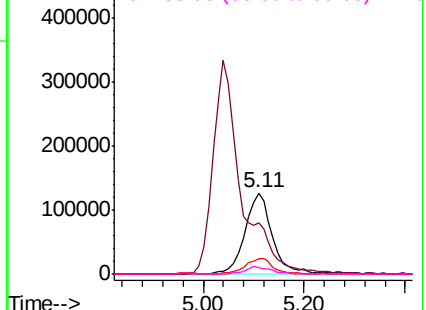
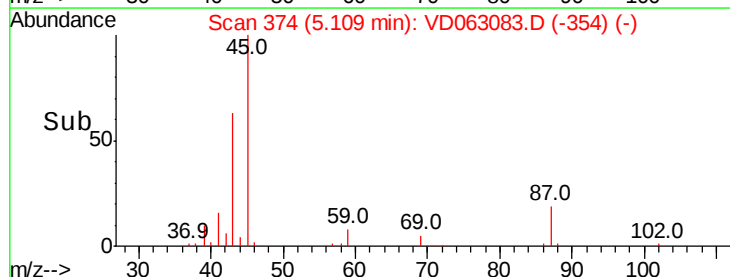


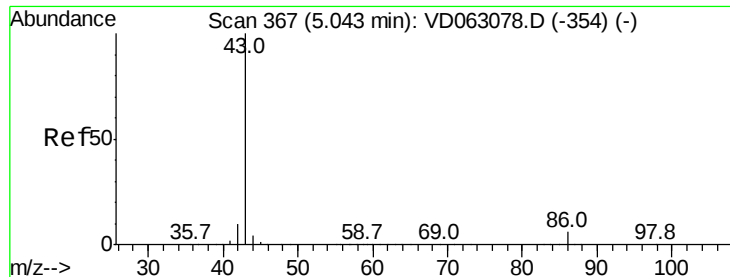
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

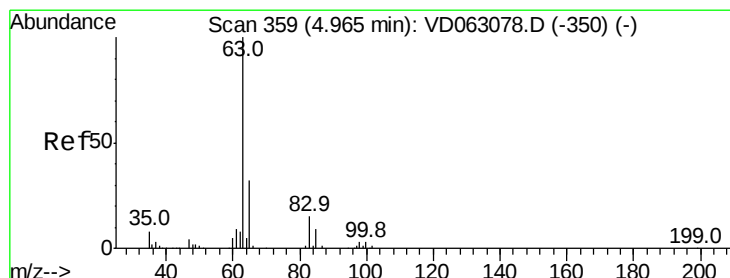
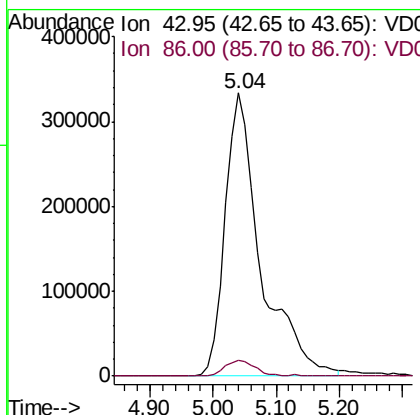
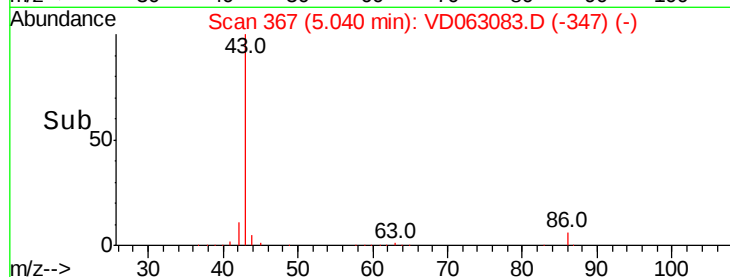
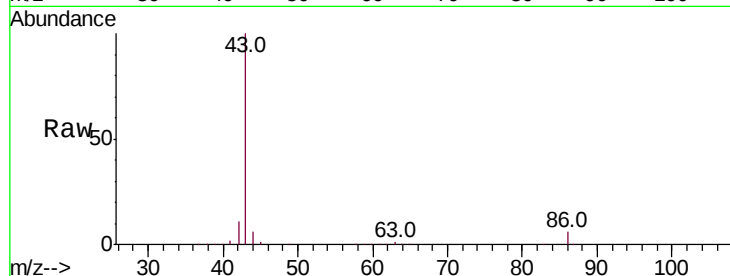




#23
 Vinyl Acetate
 Concen: 98.184 ug/l
 RT: 5.04 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

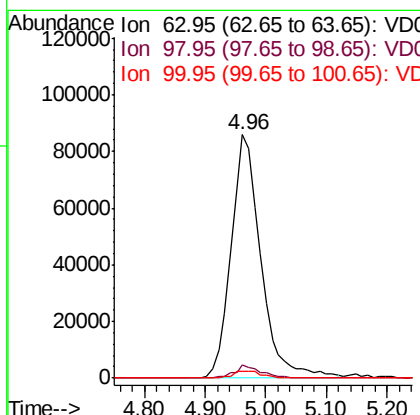
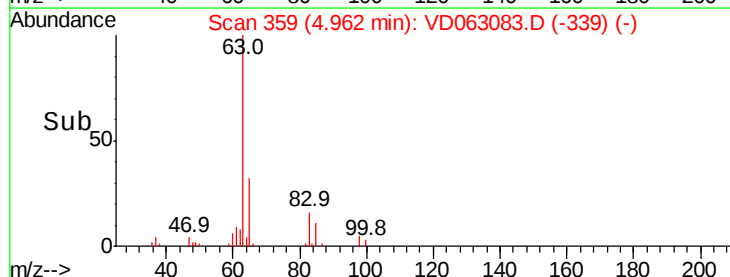
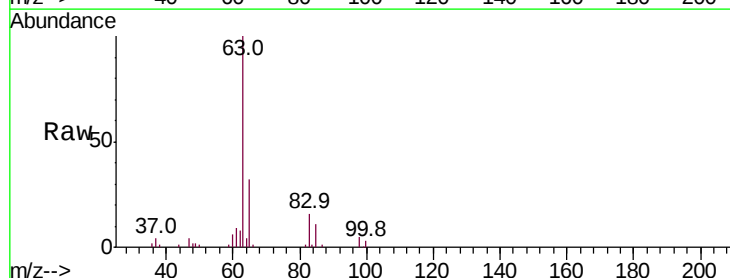
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

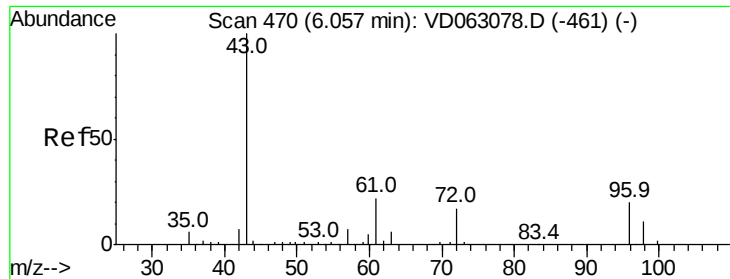
Tot Ion: 43 Resp: 1303757
 Ion Ratio Lower Upper
 43 100
 86 5.6 5.0 7.6



#24
 1,1-Dichloroethane
 Concen: 20.912 ug/l
 RT: 4.96 min Scan# 359
 Delta R.T. -0.00 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

Tgt Ion: 63 Resp: 293193
 Ion Ratio Lower Upper
 63 100
 98 5.3 1.7 5.1#
 100 3.0 1.5 4.5





#25

2-Butanone

Concen: 96.555 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.01 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

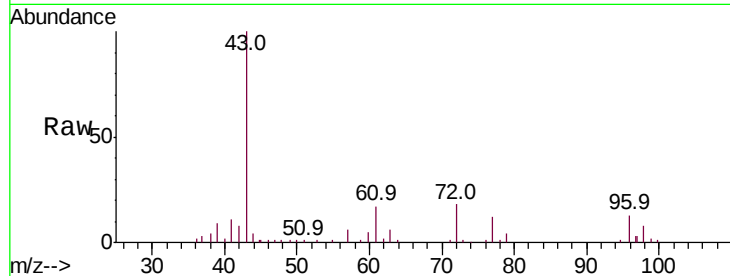
VD0715SBS01

Tot Ion: 43 Resp: 208867

Ion Ratio Lower Upper

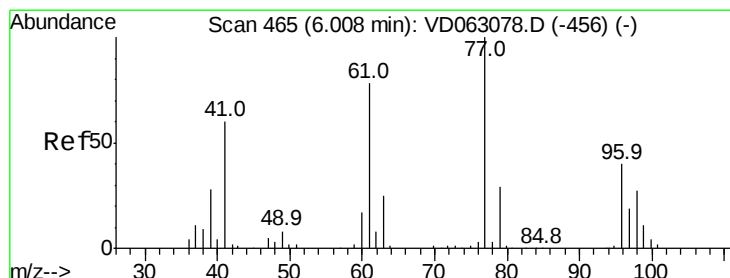
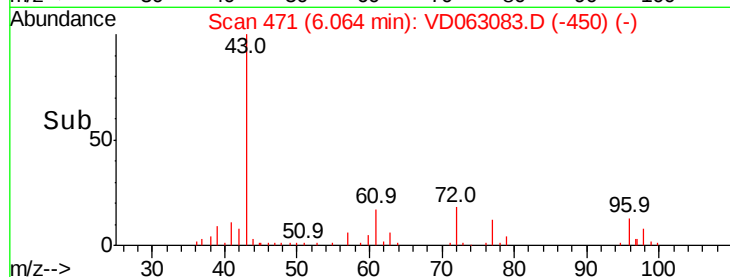
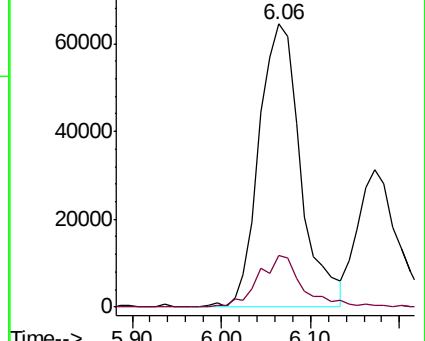
43 100

72 18.1 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.438 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD063083.D

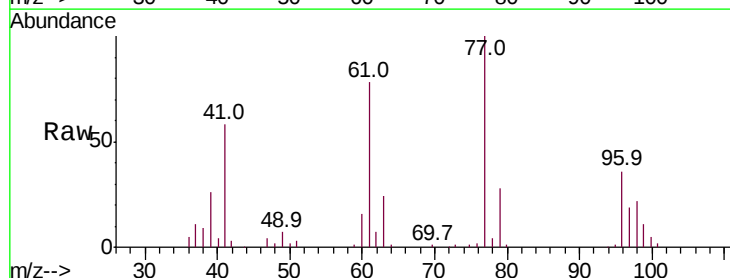
Acq: 15 Jul 2019 16:27

Tgt Ion: 77 Resp: 332639

Ion Ratio Lower Upper

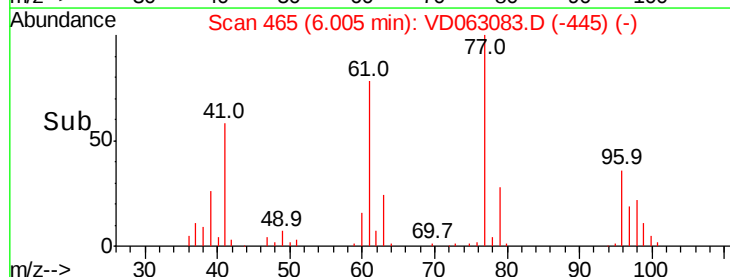
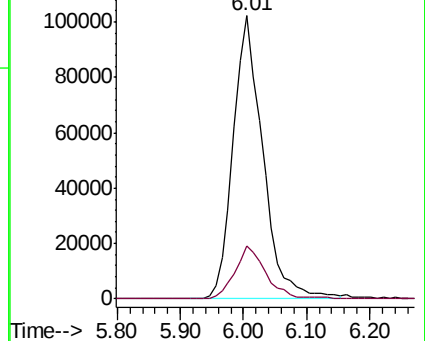
77 100

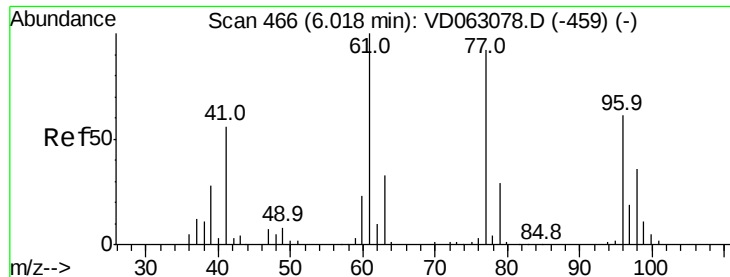
97 18.5 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



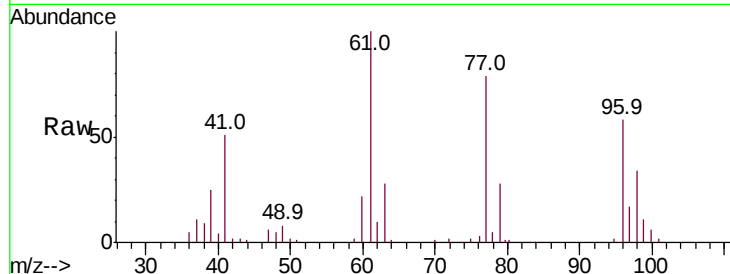


#27

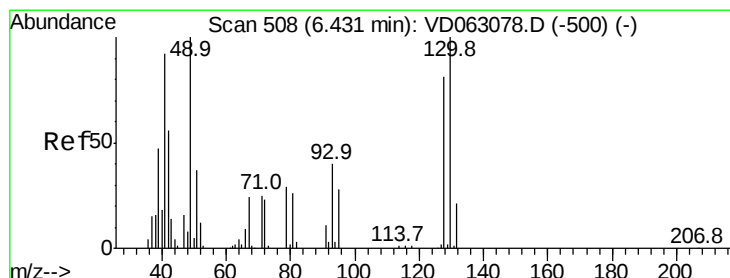
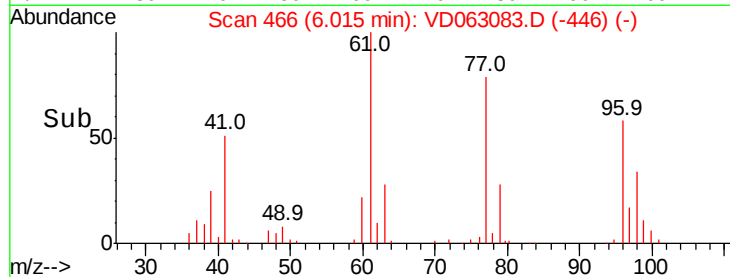
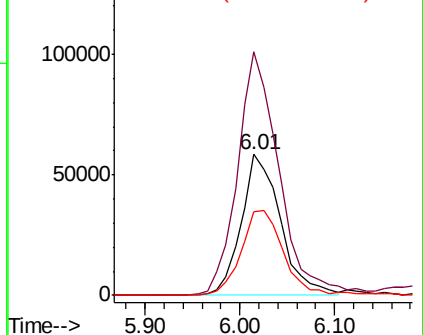
cis-1,2-Dichloroethene
Concen: 20.080 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

Tot Ion: 96 Resp: 168898
Ion Ratio Lower Upper
96 100
61 172.7 0.0 329.6
98 59.2 0.0 118.4



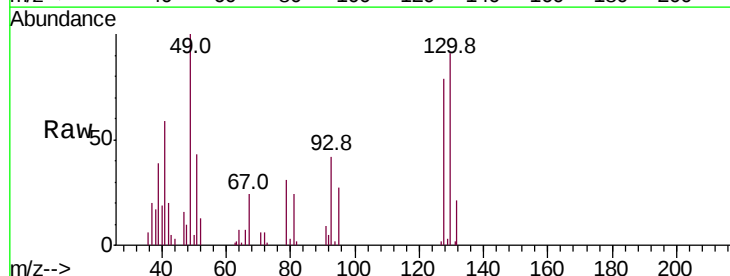
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



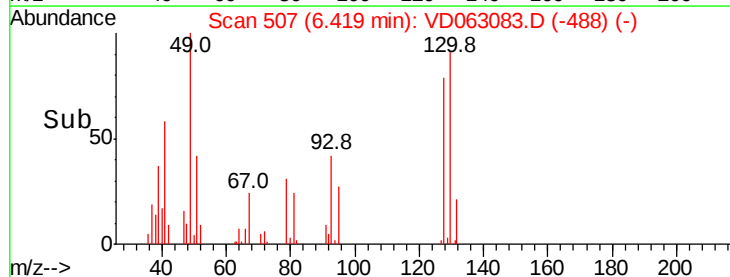
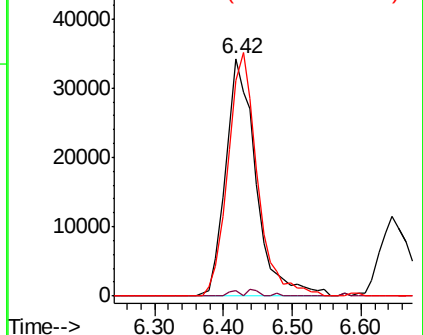
#28

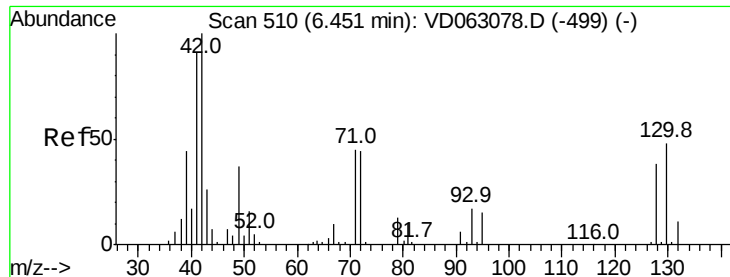
Bromochloromethane
Concen: 20.475 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion: 49 Resp: 104145
Ion Ratio Lower Upper
49 100
129 2.6 0.0 3.6
130 90.7 80.3 120.5



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

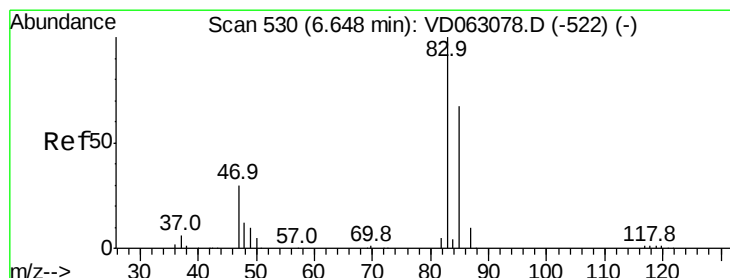
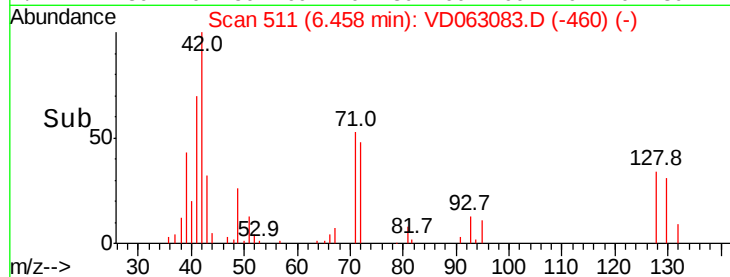
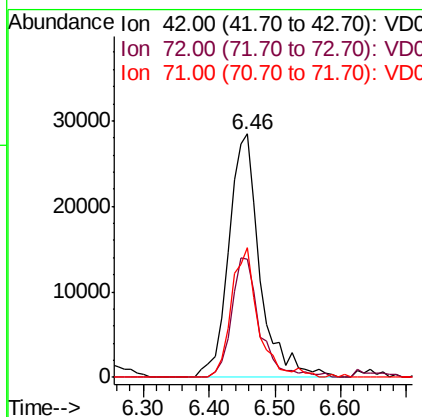
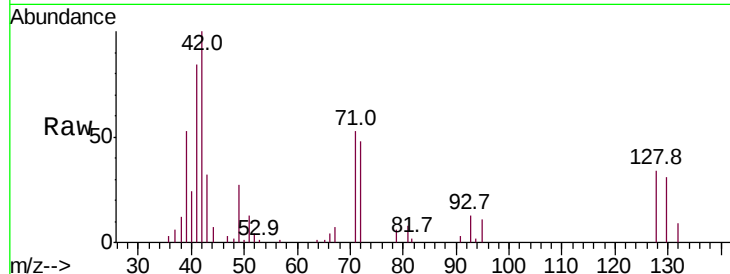




#29
Tetrahydrofuran
Concen: 96.507 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

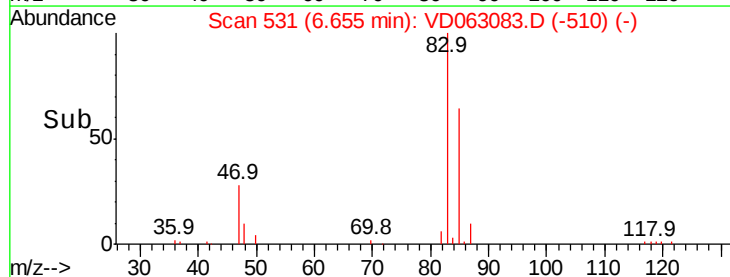
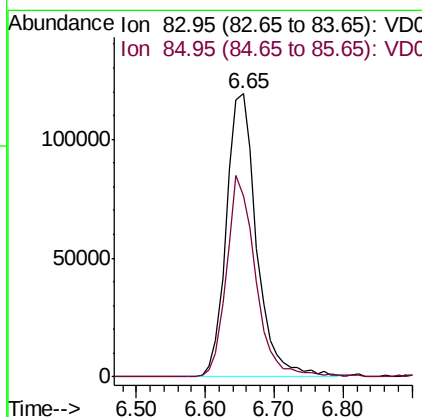
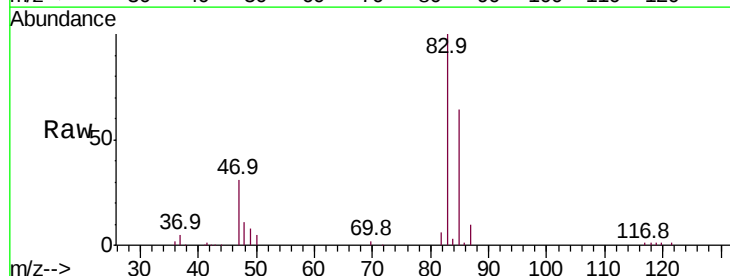
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

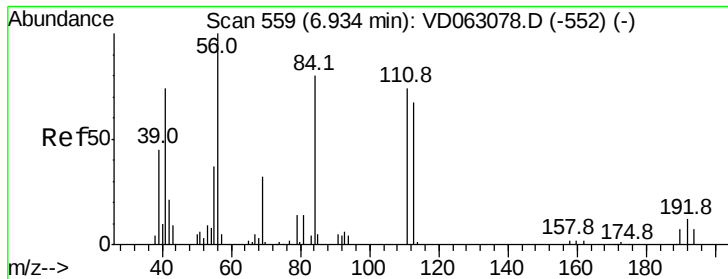
Tot Ion: 42 Resp: 94634
Ion Ratio Lower Upper
42 100
72 44.3 33.7 50.5
71 44.5 34.2 51.2



#30
Chloroform
Concen: 21.004 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion: 83 Resp: 362664
Ion Ratio Lower Upper
83 100
85 64.0 53.8 80.8

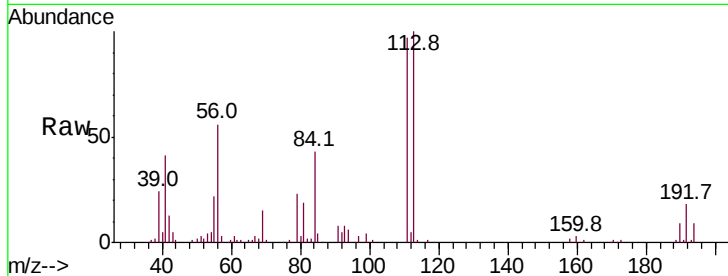




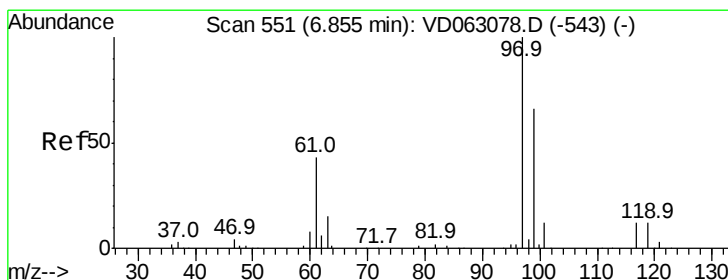
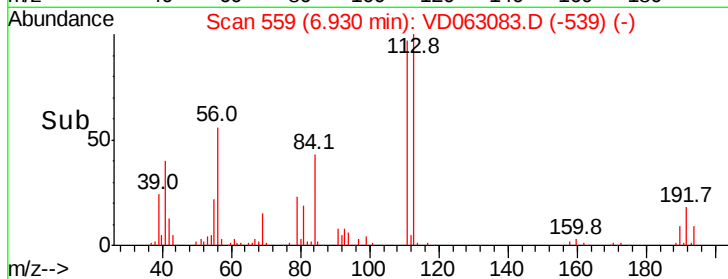
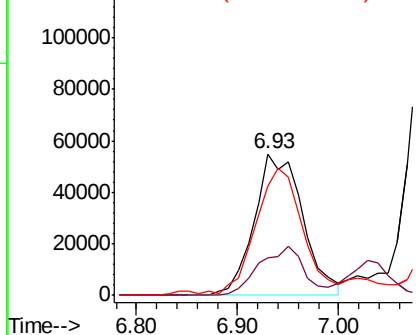
#31
Cvclohexane
Concen: 20.498 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

Tot Ion: 56 Resp: 183015
Ion Ratio Lower Upper
56 100
69 26.7 25.3 37.9
84 76.9 64.2 96.4

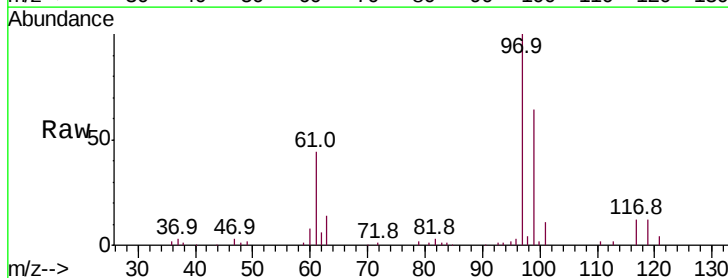


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

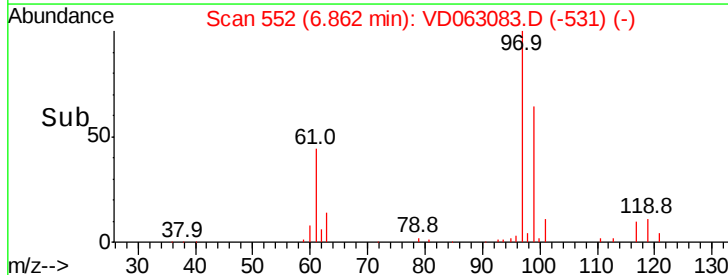
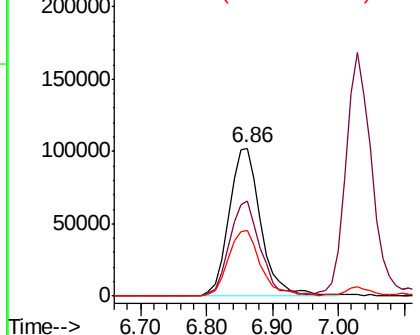


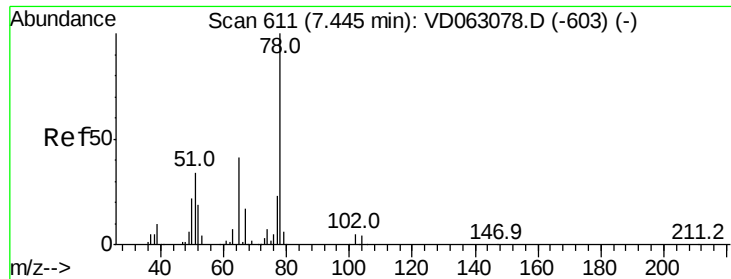
#32
1,1,1-Trichloroethane
Concen: 20.309 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion: 97 Resp: 345792
Ion Ratio Lower Upper
97 100
99 64.4 52.9 79.3
61 44.0 34.4 51.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

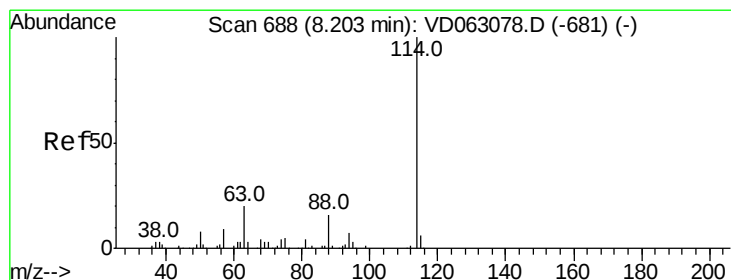
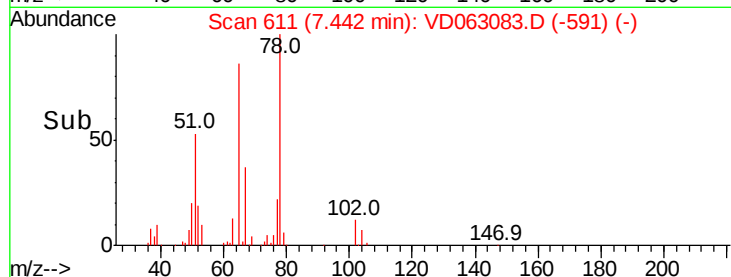
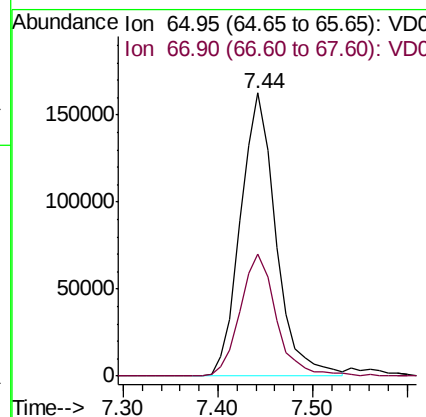
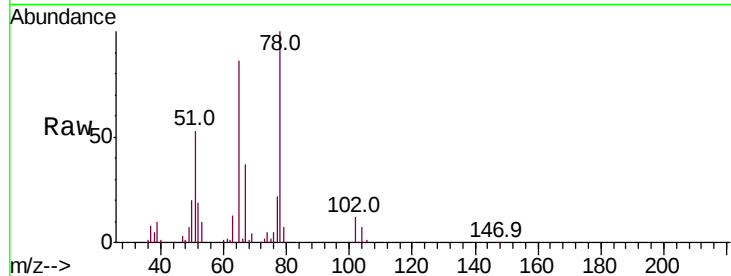




#33
 1,2-Dichloroethane-d4
 Concen: 44.939 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

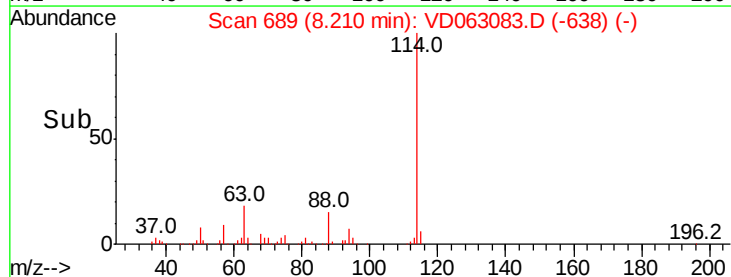
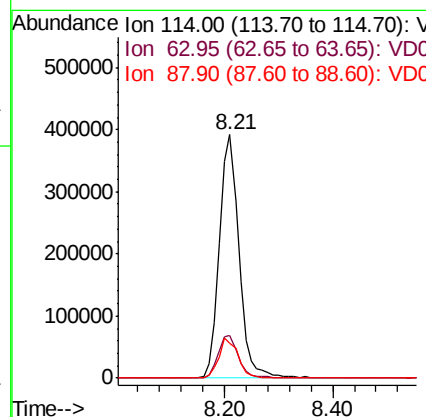
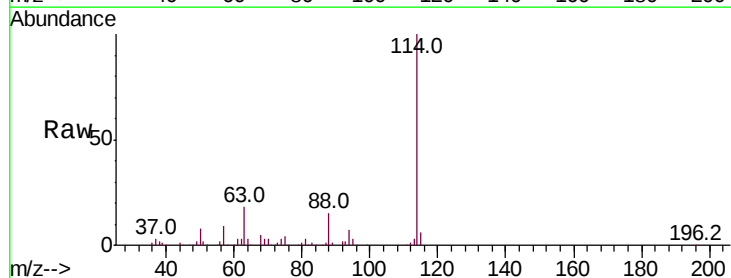
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

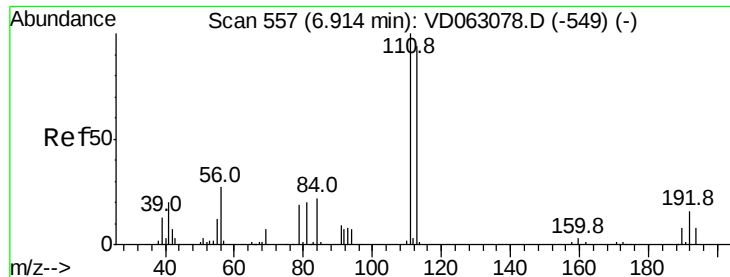
Tot Ion: 65 Resp: 421483
 Ion Ratio Lower Upper
 65 100
 67 43.4 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

Tgt Ion: 114 Resp: 983260
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 40.6
 88 14.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.207 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

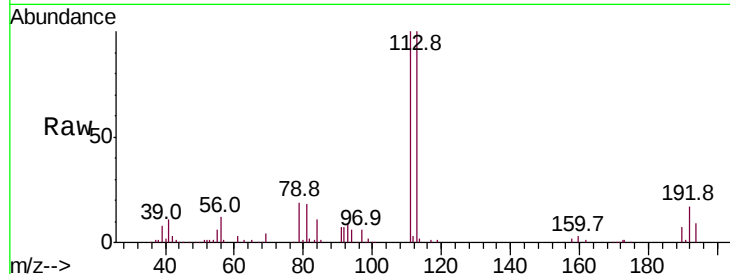
Tot Ion:113 Resp: 472115

Ion Ratio Lower Upper

113 100

111 99.7 84.8 127.2

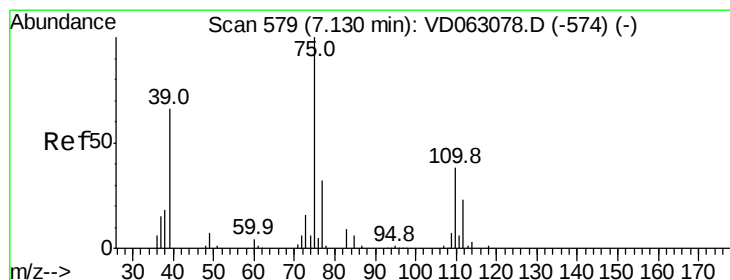
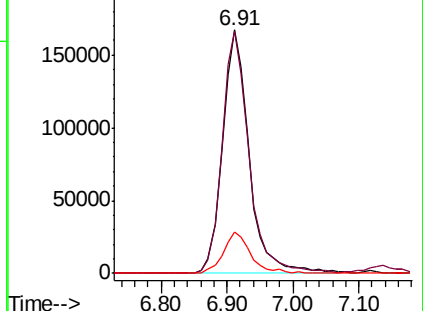
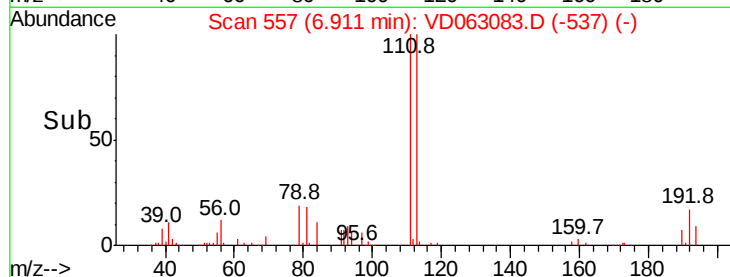
192 16.9 13.4 20.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.957 ug/l

RT: 7.13 min Scan# 579

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

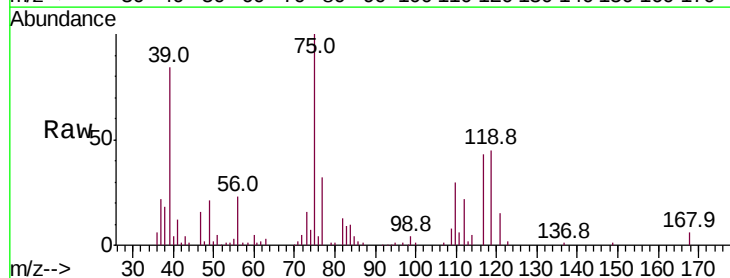
Tgt Ion: 75 Resp: 242812

Ion Ratio Lower Upper

75 100

110 29.9 18.9 56.5

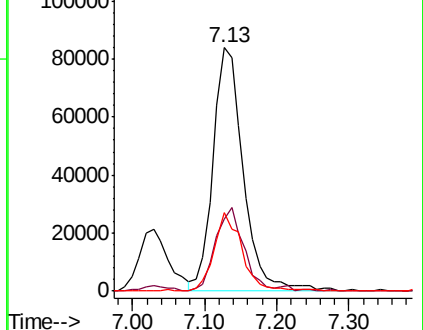
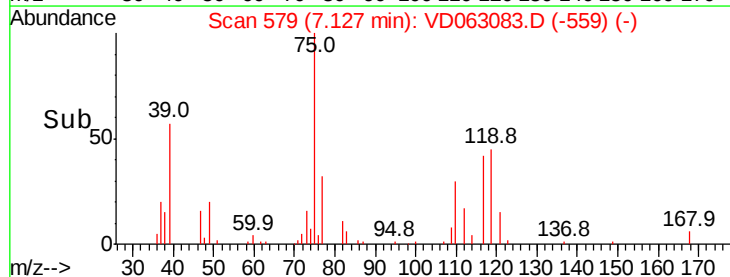
77 32.4 25.2 37.8

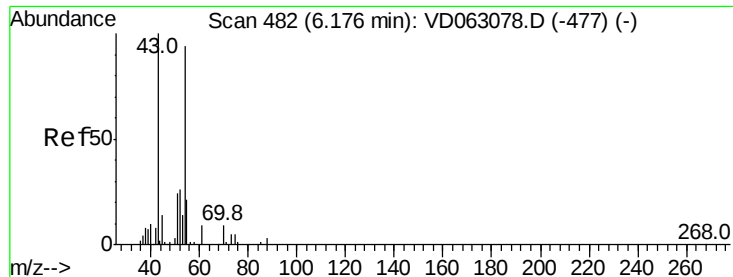


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

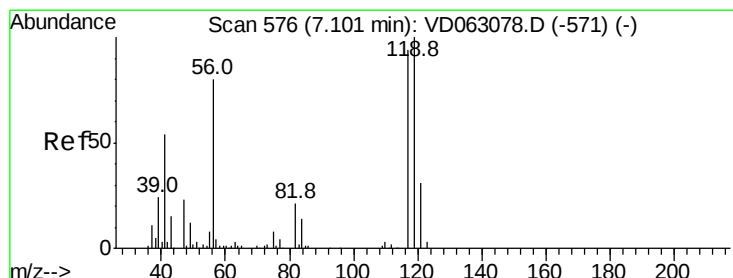
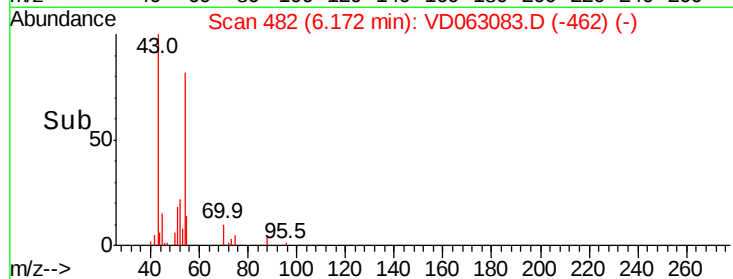
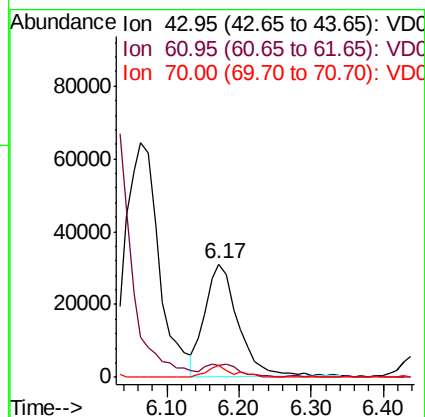
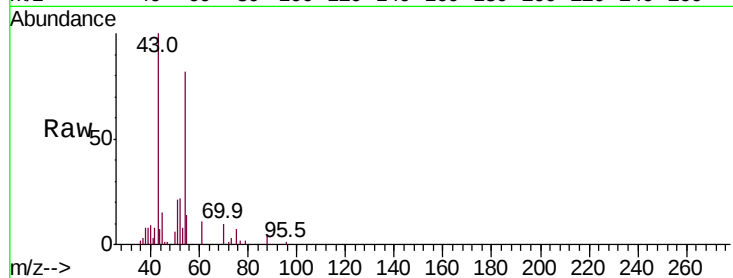




#37
Ethyl Acetate
Concen: 20.765 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

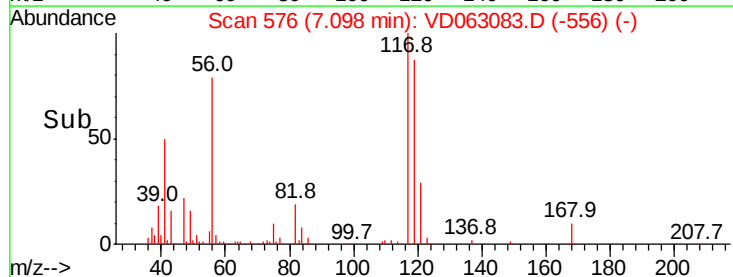
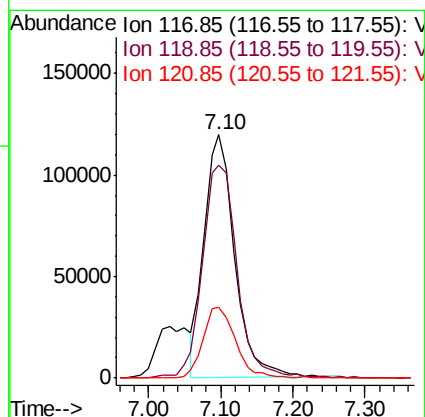
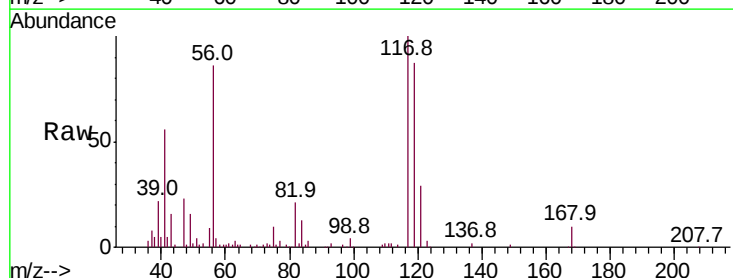
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

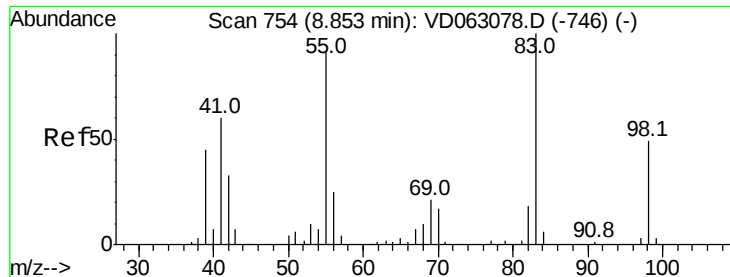
Tot Ion: 43 Resp: 98275
Ion Ratio Lower Upper
43 100
61 10.7 10.6 16.0
70 10.2 6.6 9.8#



#38
Carbon Tetrachloride
Concen: 20.876 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion: 117 Resp: 350797
Ion Ratio Lower Upper
117 100
119 87.3 80.0 120.0
121 29.0 25.0 37.4

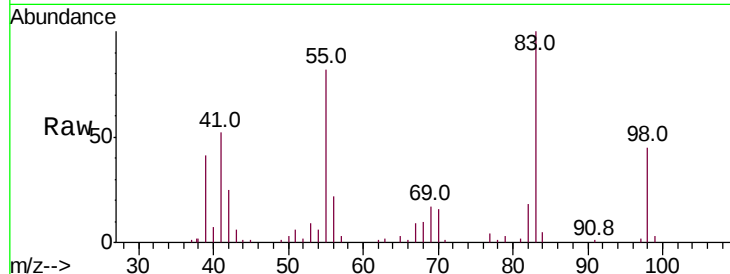




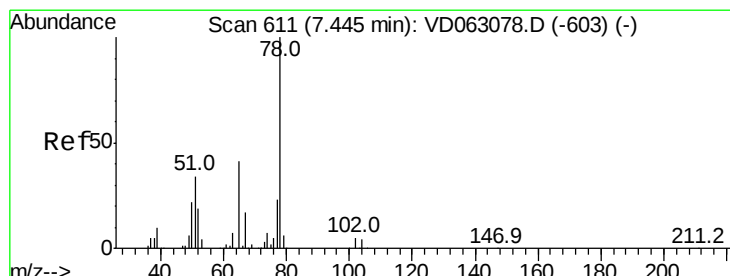
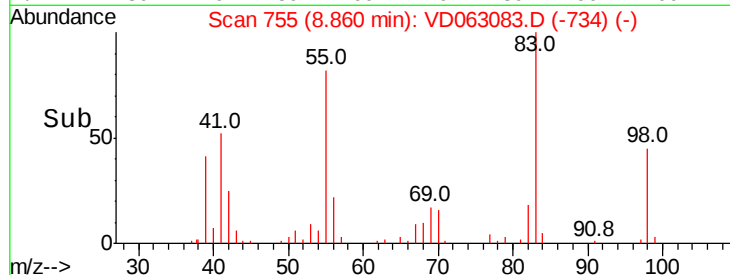
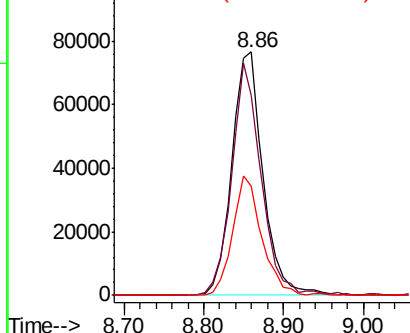
#39
Methvlcvclohexane
Concen: 21.817 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

Tot Ion: 83 Resp: 208584
Ion Ratio Lower Upper
83 100
55 82.2 73.0 109.4
98 44.6 39.4 59.0

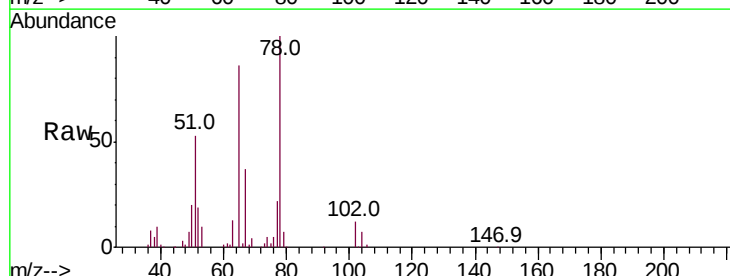


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

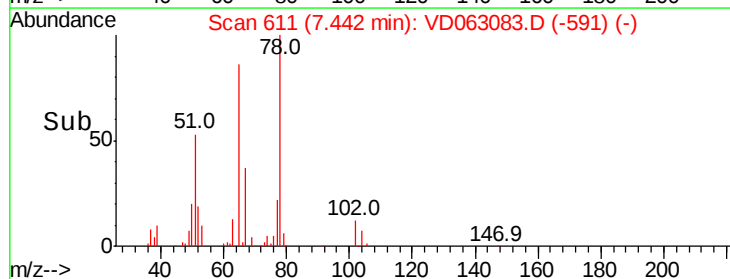
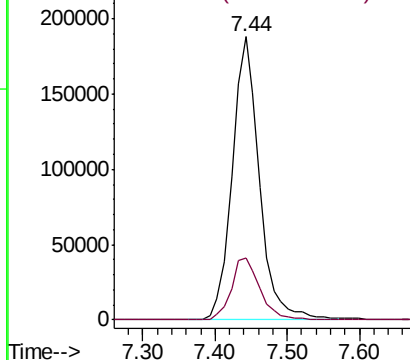


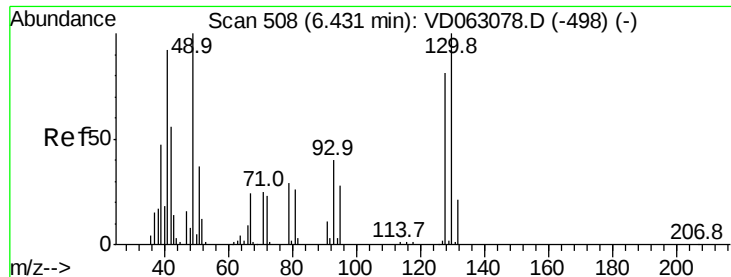
#40
Benzene
Concen: 21.319 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion: 78 Resp: 493771
Ion Ratio Lower Upper
78 100
77 21.8 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

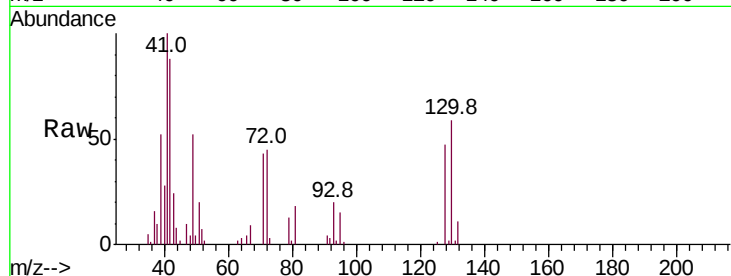




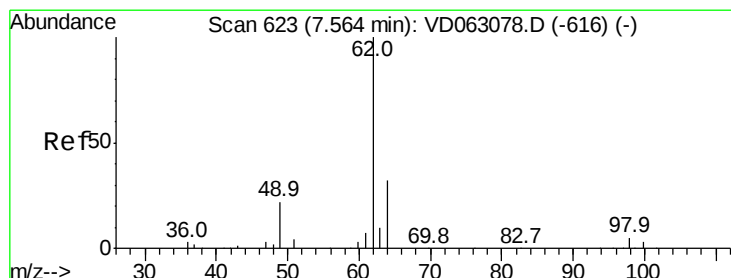
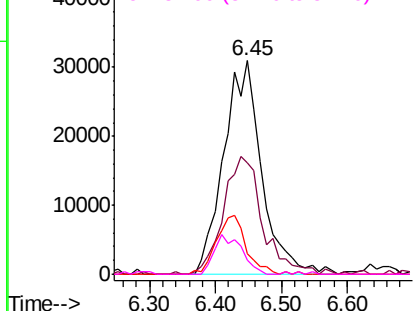
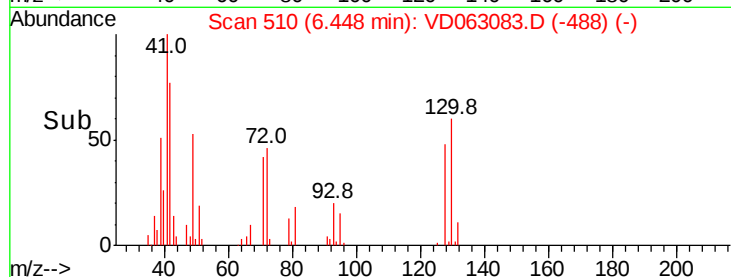
#41
Methacrylonitrile
Concen: 19.414 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

Tot Ion: 41 Resp: 124569
Ion Ratio Lower Upper
41 100
39 52.3 41.0 61.6
67 9.5 21.3 31.9#
52 6.5 10.5 15.7#

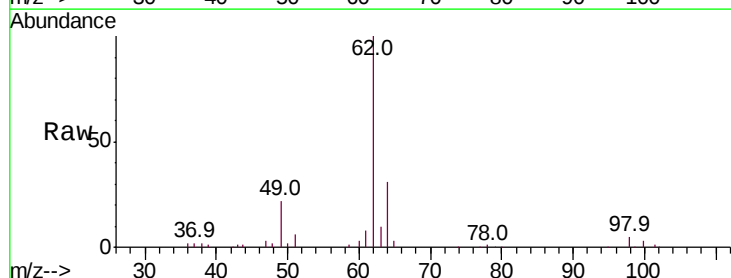


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

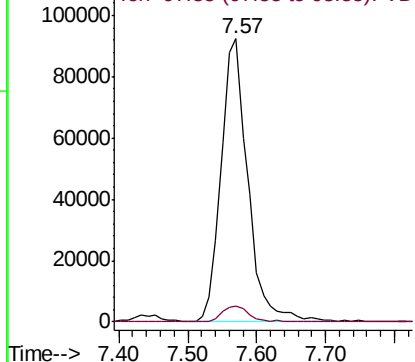
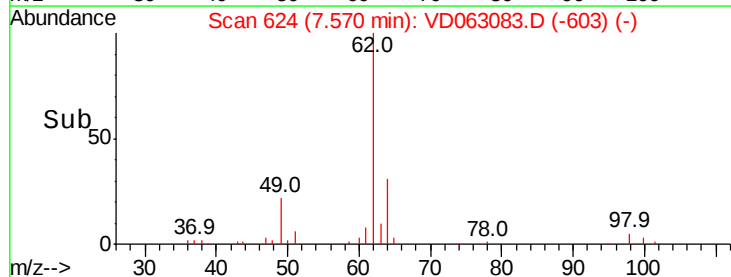


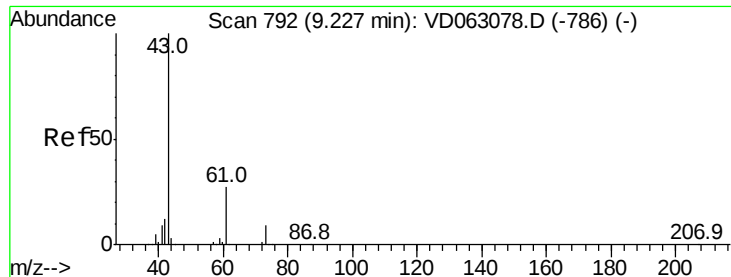
#42
1,2-Dichloroethane
Concen: 20.230 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion: 62 Resp: 249626
Ion Ratio Lower Upper
62 100
98 5.4 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



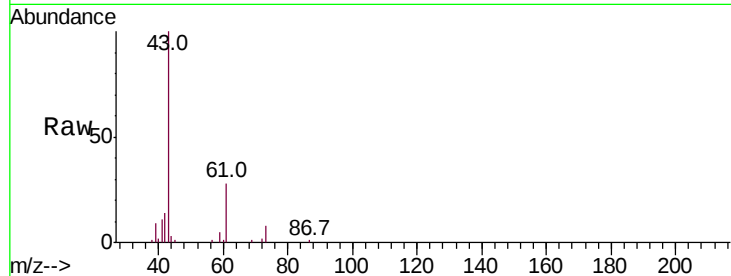


#43

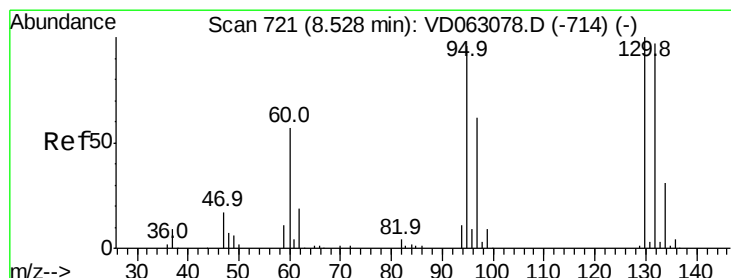
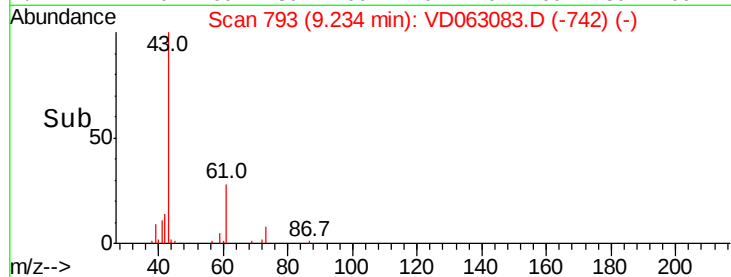
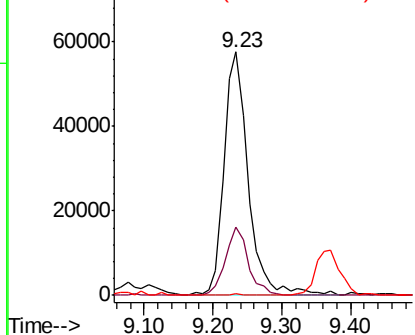
Isopropyl Acetate
 Concen: 20.684 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

Tot Ion: 43 Resp: 140315
 Ion Ratio Lower Upper
 43 100
 61 27.8 21.7 32.5
 87 0.7 0.2 0.4#



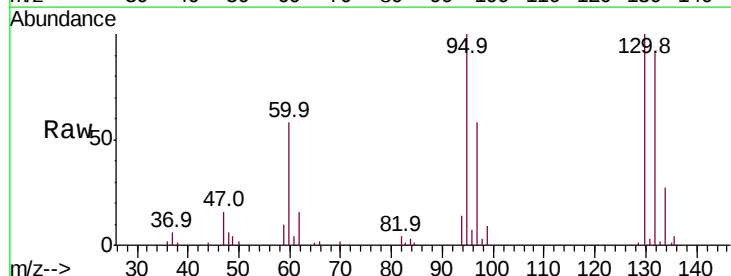
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



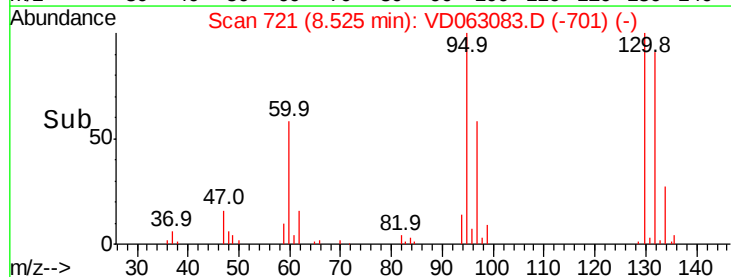
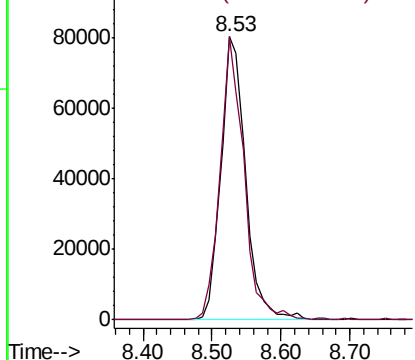
#44

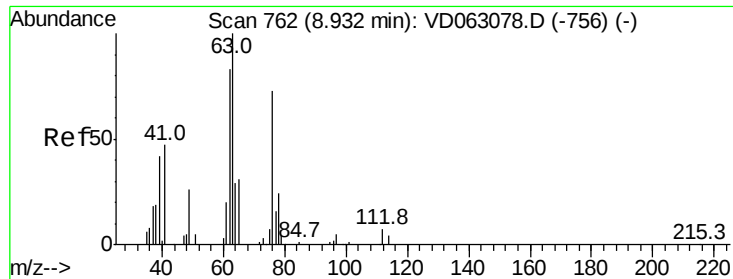
Trichloroethene
 Concen: 22.230 ug/l
 RT: 8.53 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

Tgt Ion:130 Resp: 198978
 Ion Ratio Lower Upper
 130 100
 95 100.0 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.609 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

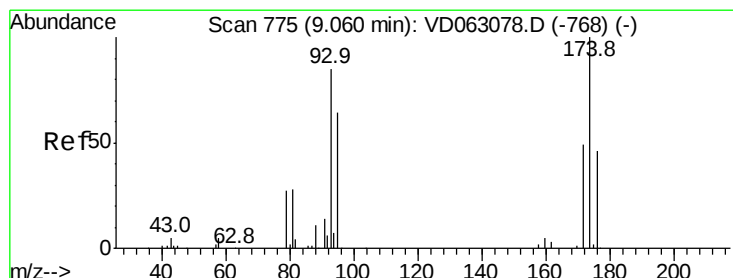
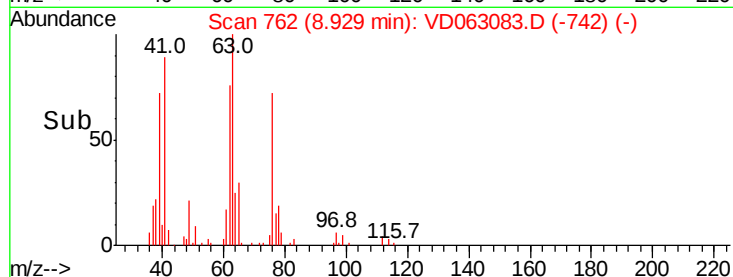
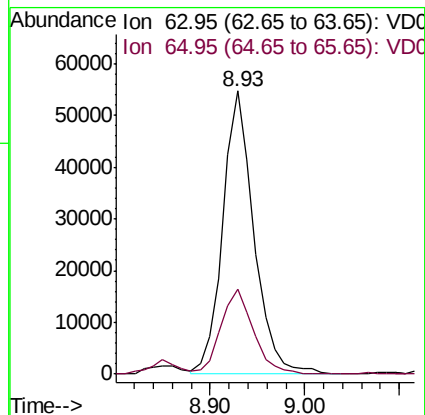
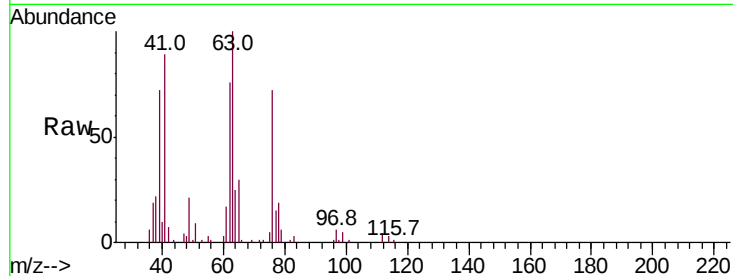
VD0715SBS01

Tot Ion: 63 Resp: 124785

Ion Ratio Lower Upper

63 100

65 30.1 26.3 39.5



#46

Dibromomethane

Concen: 21.297 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

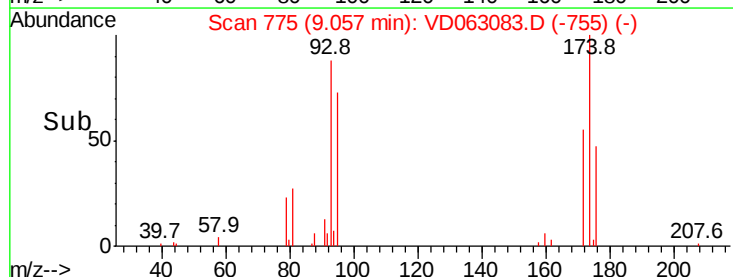
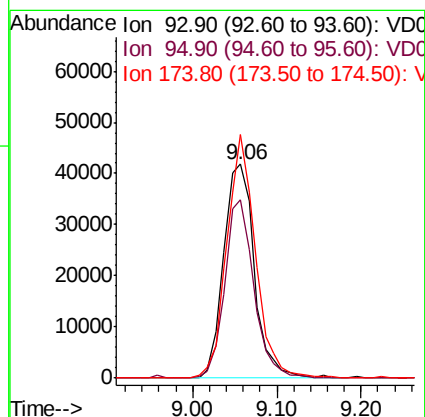
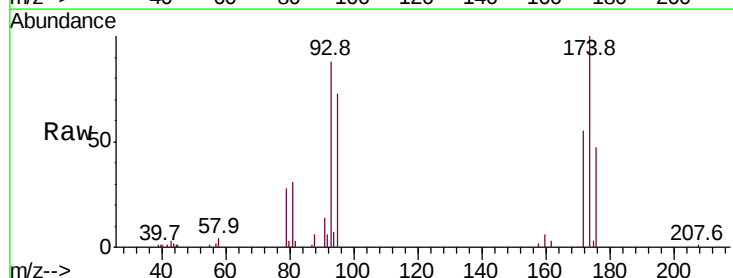
Tgt Ion: 93 Resp: 105682

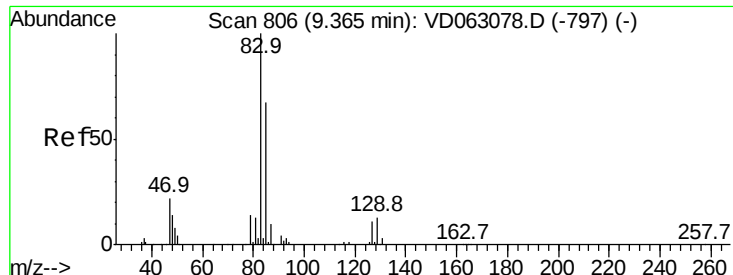
Ion Ratio Lower Upper

93 100

95 83.6 59.7 89.5

174 113.8 93.9 140.9





#47

Bromodichloromethane

Concen: 20.302 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

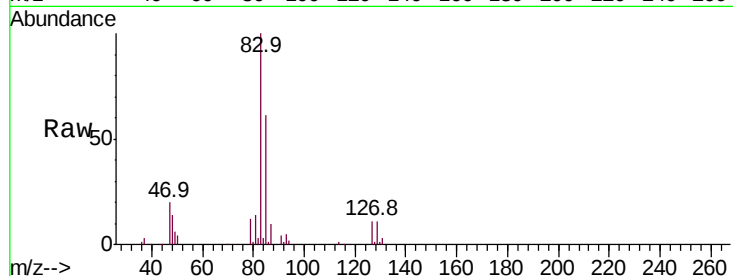
Tot Ion: 83 Resp: 262895

Ion Ratio Lower Upper

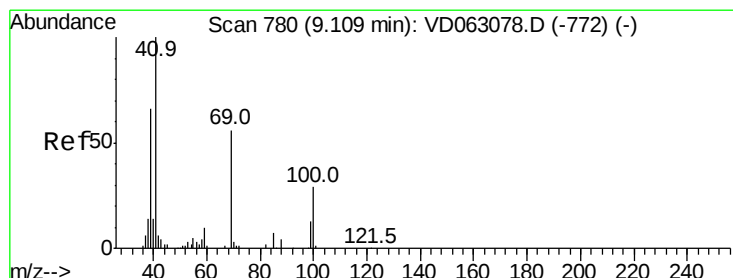
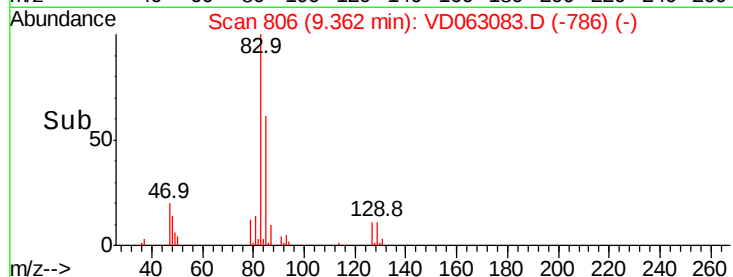
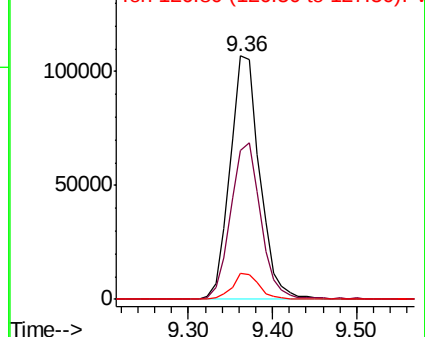
83 100

85 61.3 53.7 80.5

127 10.5 9.0 13.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.538 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

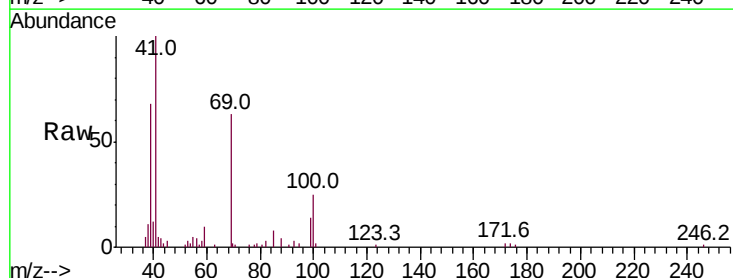
Tgt Ion: 41 Resp: 95947

Ion Ratio Lower Upper

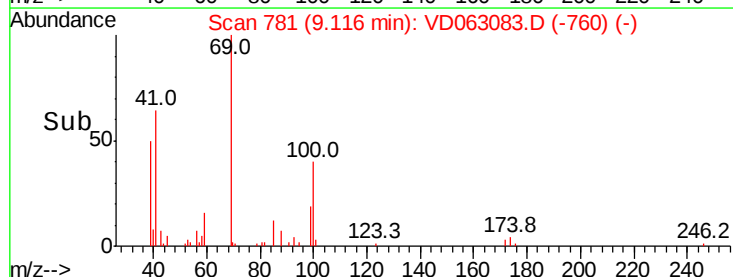
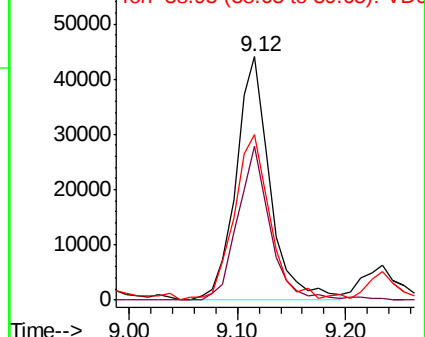
41 100

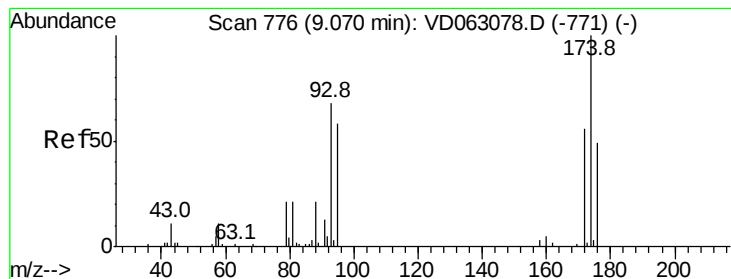
69 63.1 44.3 66.5

39 68.0 52.6 78.8



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 419.239 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

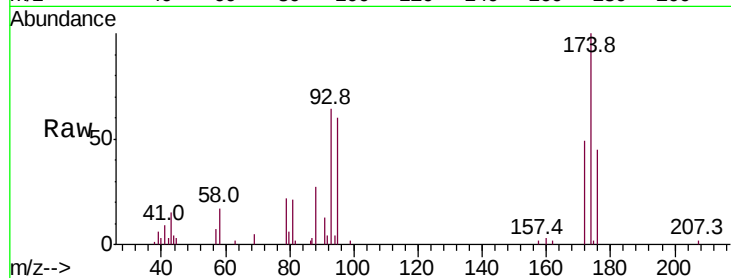
Tot Ion: 88 Resp: 16107

Ion Ratio Lower Upper

88 100

43 68.9 40.2 60.4#

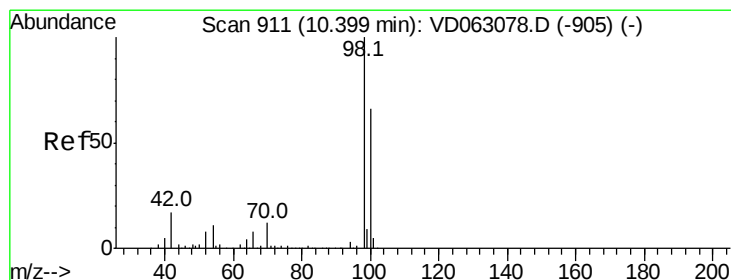
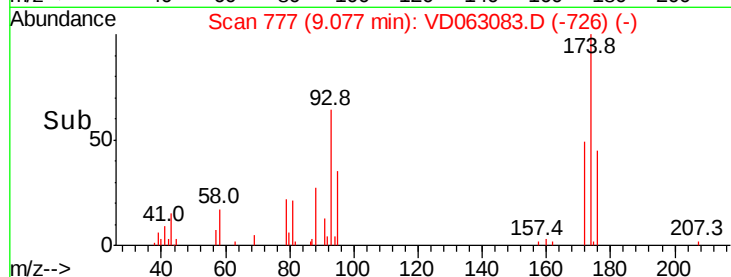
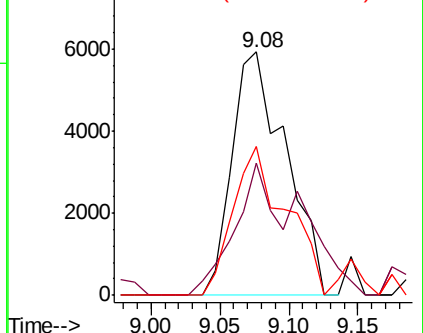
58 61.0 41.6 62.4



Abundance Ion 88.00 (87.75 to 88.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 48.408 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD063083.D

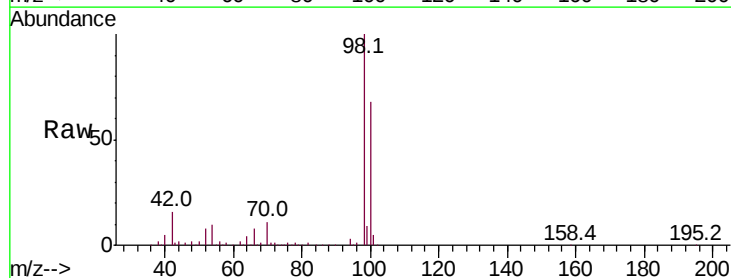
Acq: 15 Jul 2019 16:27

Tgt Ion: 98 Resp: 1018342

Ion Ratio Lower Upper

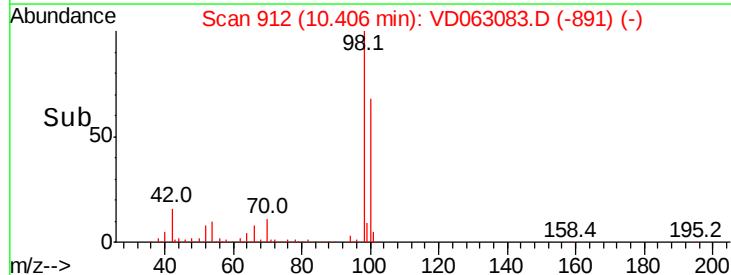
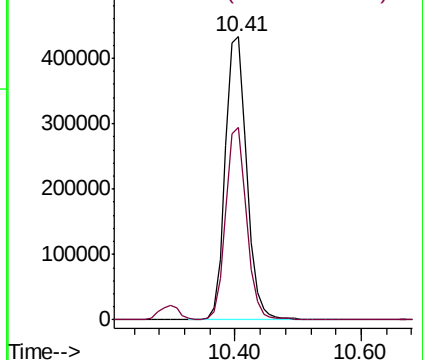
98 100

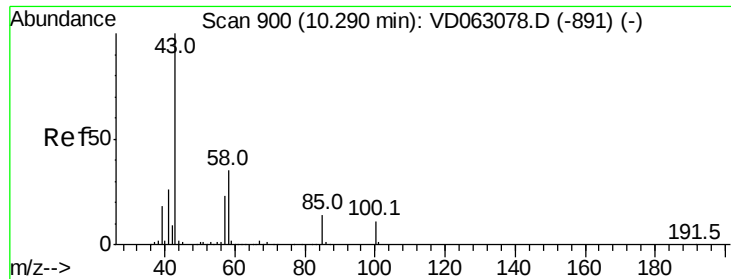
100 68.2 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

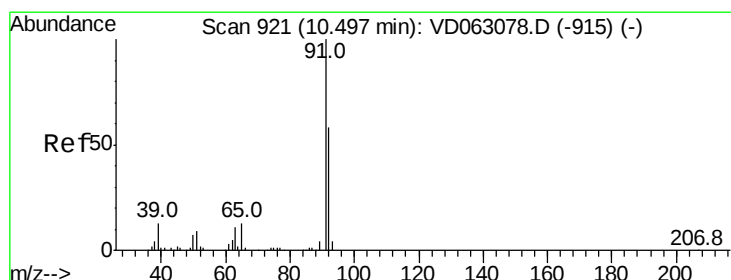
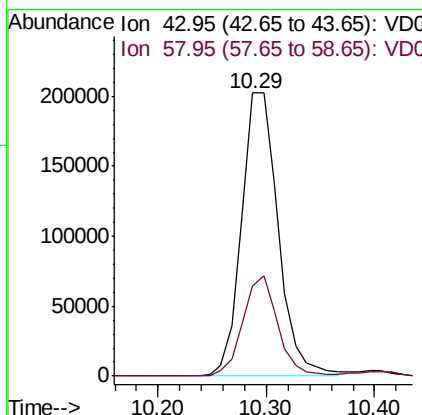
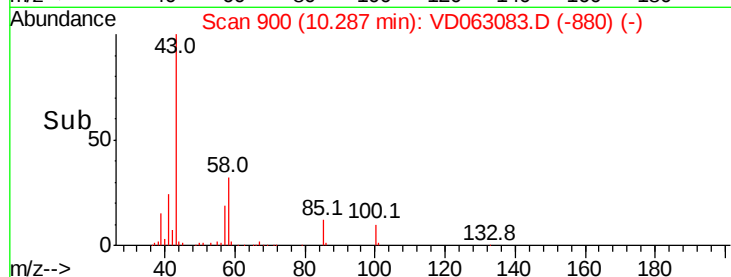
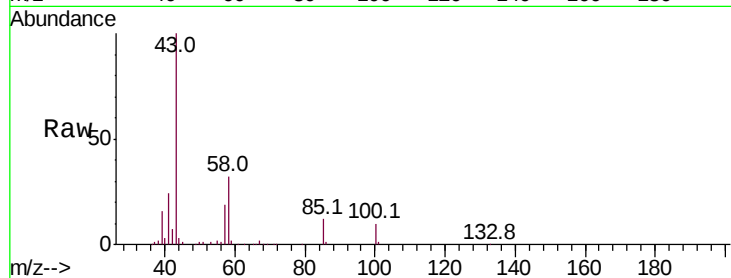




#51
4-Methyl-2-Pentanone
Concen: 106.064 ug/l
RT: 10.29 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

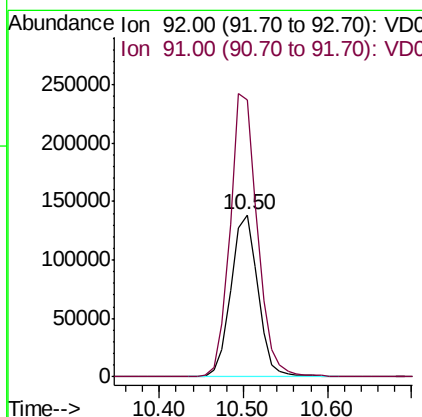
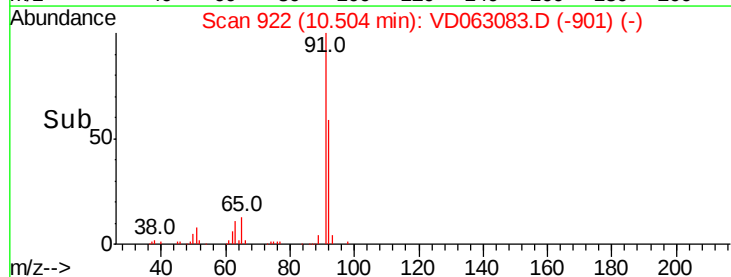
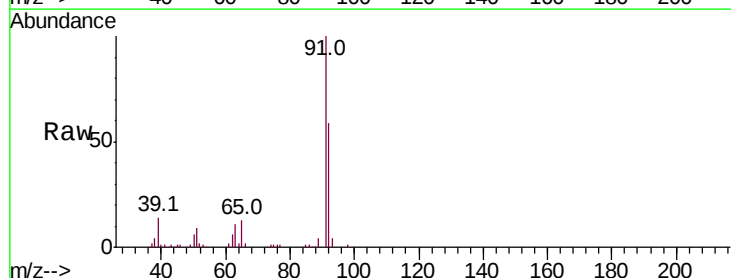
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

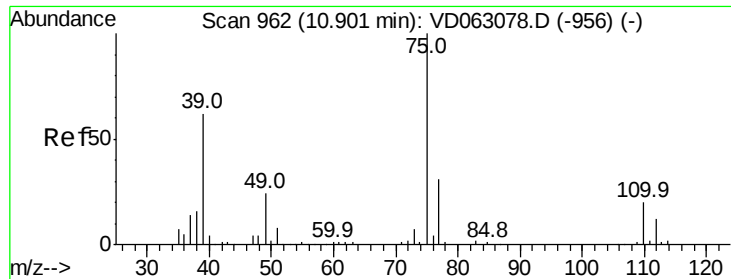
Tot Ion: 43 Resp: 477219
Ion Ratio Lower Upper
43 100
58 31.7 27.8 41.6



#52
Toluene
Concen: 20.171 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion: 92 Resp: 311979
Ion Ratio Lower Upper
92 100
91 170.5 137.9 206.9

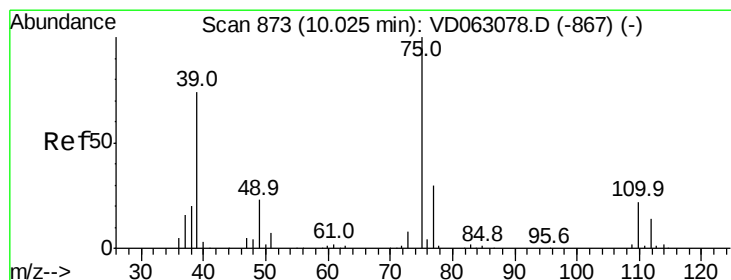
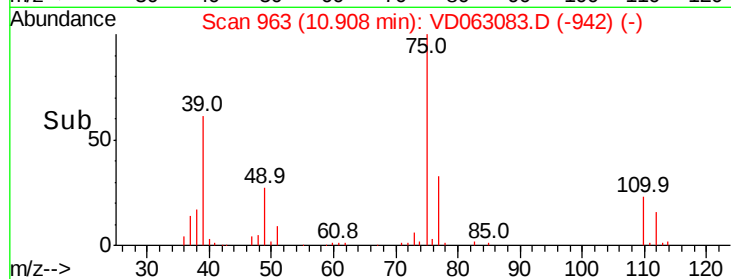
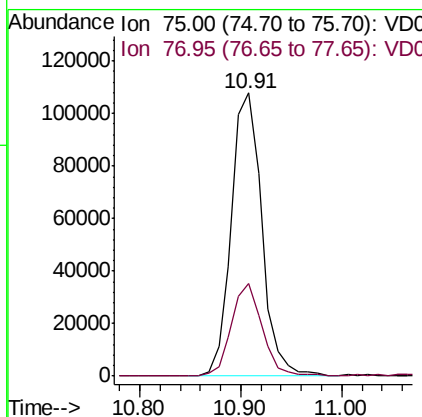
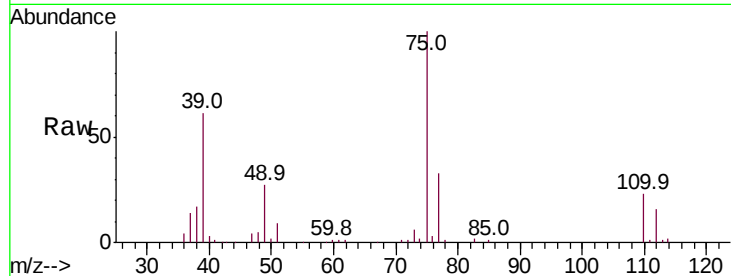




#53
t-1,3-Dichloropropene
Concen: 20.397 ug/l
RT: 10.91 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

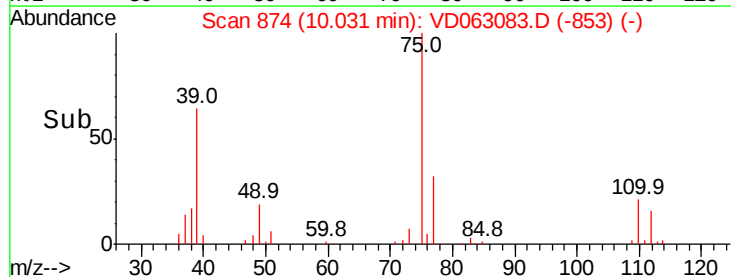
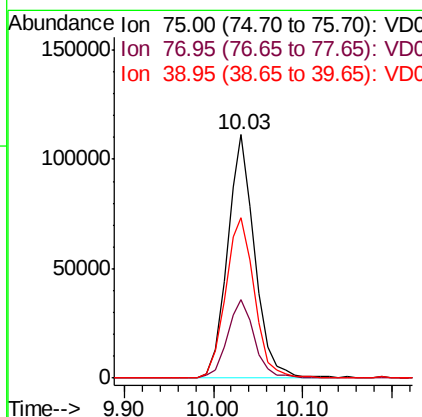
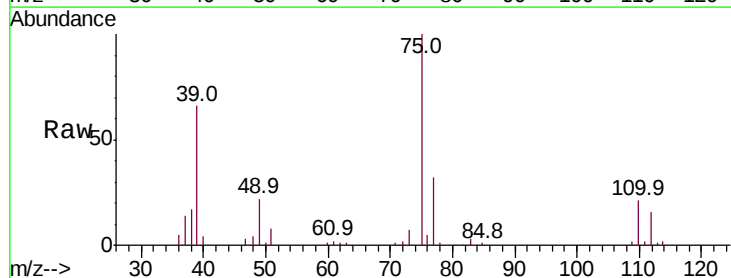
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

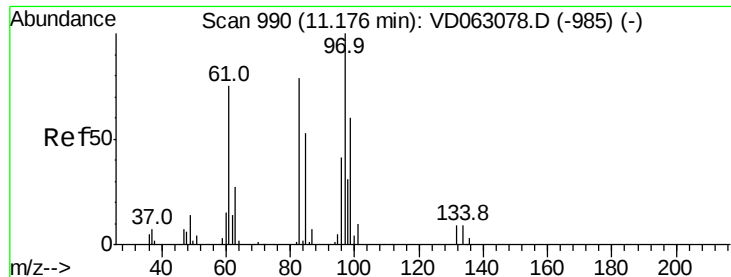
Tot Ion: 75 Resp: 226284
Ion Ratio Lower Upper
75 100
77 32.9 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 20.796 ug/l
RT: 10.03 min Scan# 874
Delta R.T. 0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion: 75 Resp: 238552
Ion Ratio Lower Upper
75 100
77 32.1 23.9 35.9
39 65.7 59.4 89.0

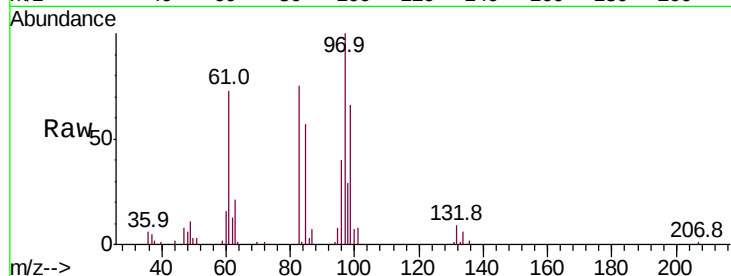




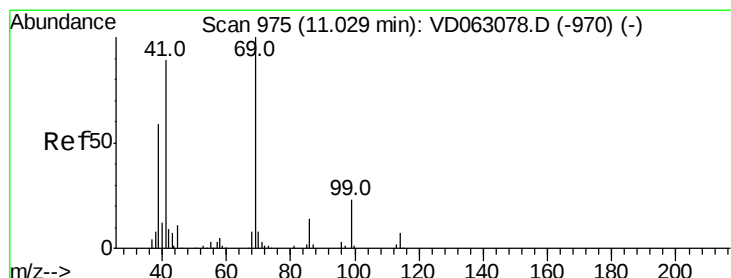
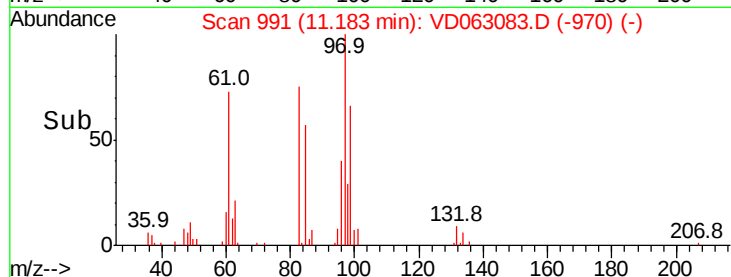
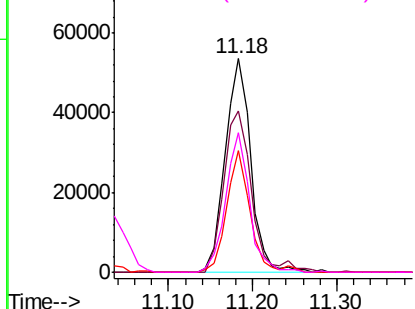
#55
1,1,2-Trichloroethane
Concen: 21.147 ug/l
RT: 11.18 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

Tot Ion: 97 Resp: 113029
Ion Ratio Lower Upper
97 100
83 75.3 63.2 94.8
85 56.7 42.0 63.0
99 65.6 48.3 72.5

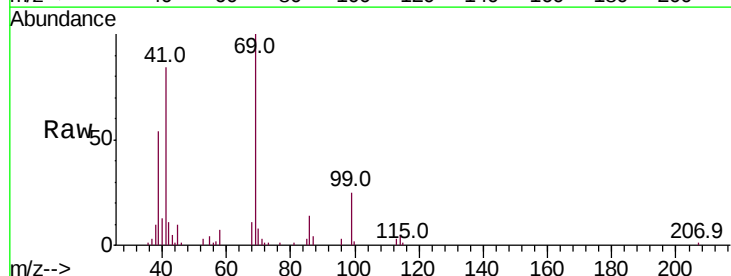


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

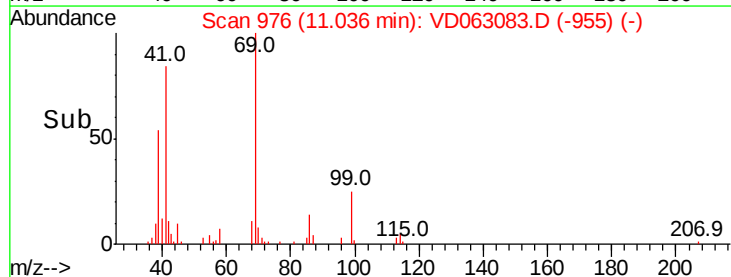
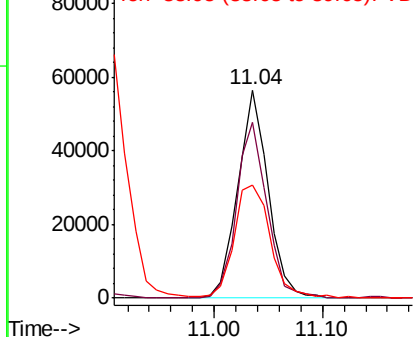


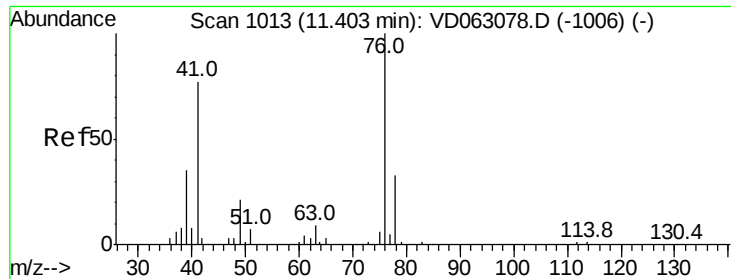
#56
Ethyl methacrylate
Concen: 18.348 ug/l
RT: 11.04 min Scan# 976
Delta R.T. 0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion: 69 Resp: 109570
Ion Ratio Lower Upper
69 100
41 84.4 71.0 106.4
39 54.5 47.7 71.5



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC

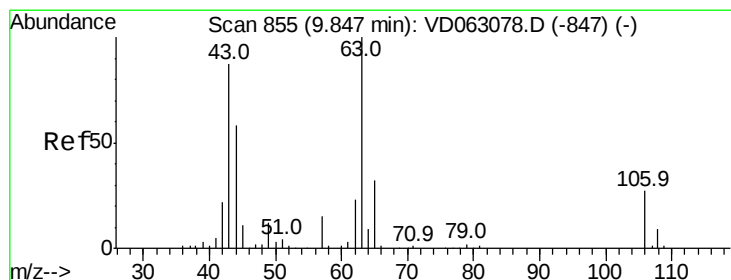
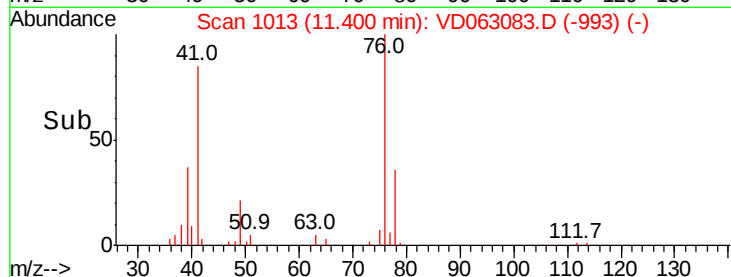
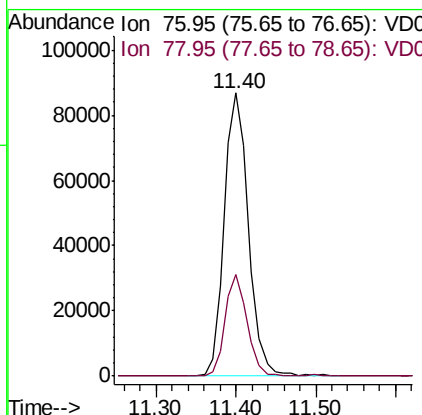
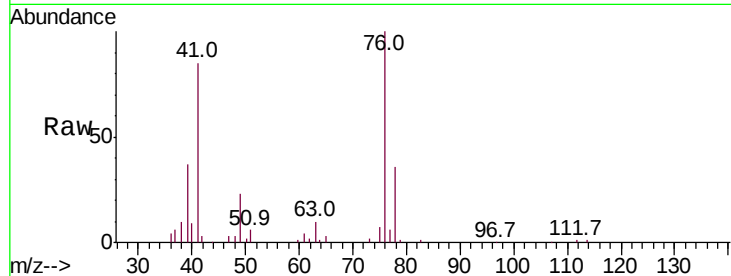




#57
 1,3-Dichloropropane
 Concen: 22.817 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

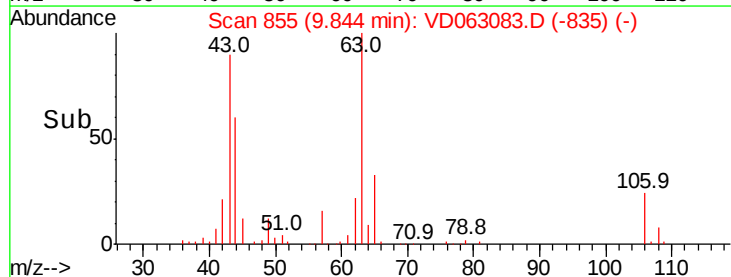
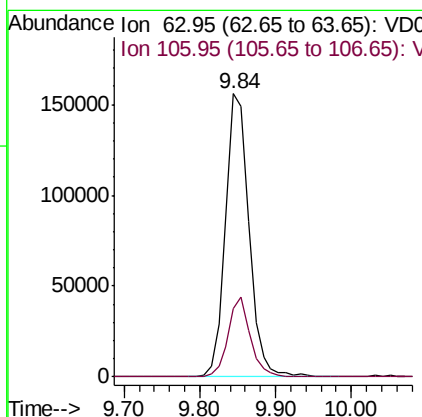
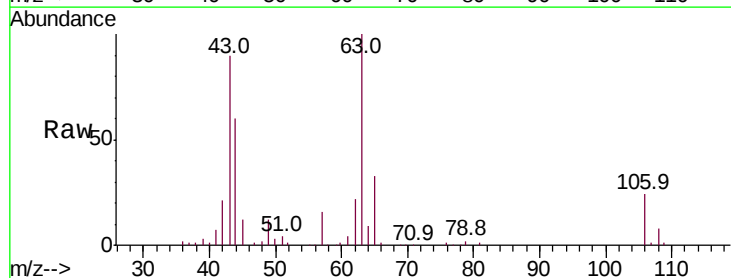
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

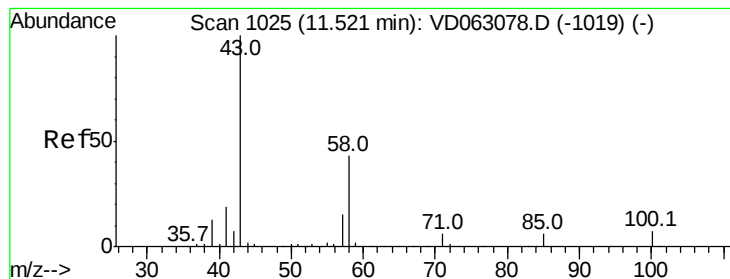
Tot Ion: 76 Resp: 185568
 Ion Ratio Lower Upper
 76 100
 78 36.0 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.080 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

Tgt Ion: 63 Resp: 336109
 Ion Ratio Lower Upper
 63 100
 106 23.9 21.3 31.9





#59

2-Hexanone

Concen: 96.767 ug/l

RT: 11.53 min Scan# 1026

Delta R.T. 0.01 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

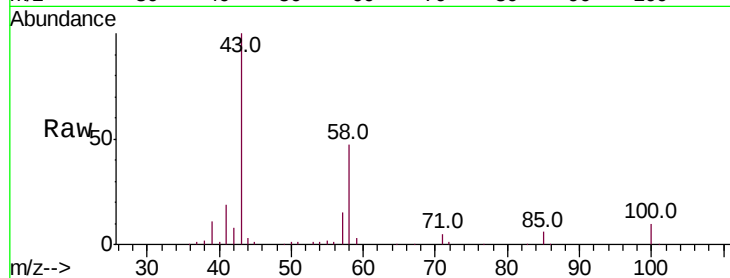
VD0715SBS01

Tot Ion: 43 Resp: 335775

Ion Ratio Lower Upper

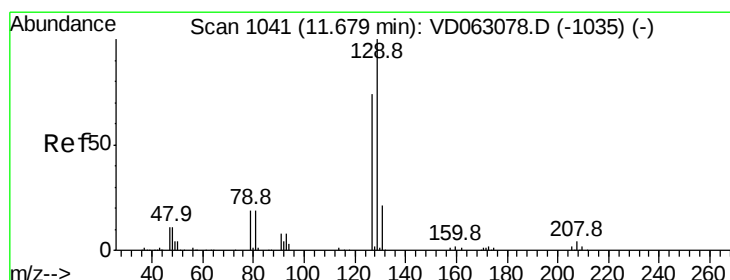
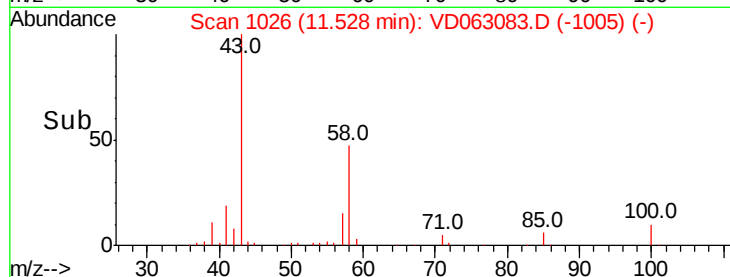
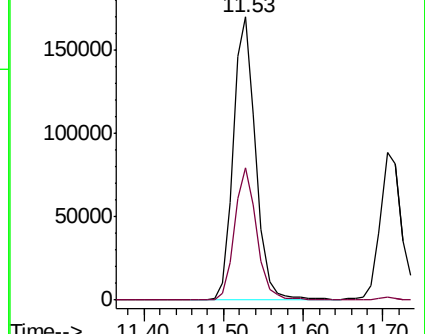
43 100

58 46.8 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 20.734 ug/l

RT: 11.68 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VD063083.D

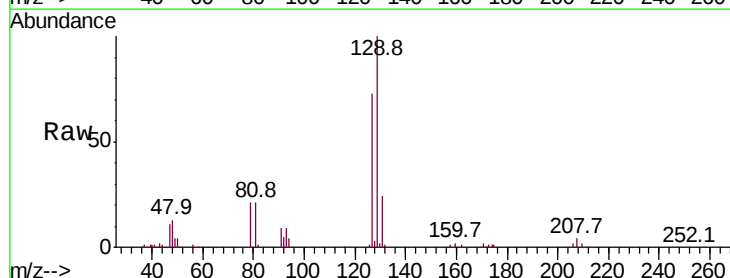
Acq: 15 Jul 2019 16:27

Tgt Ion: 129 Resp: 212430

Ion Ratio Lower Upper

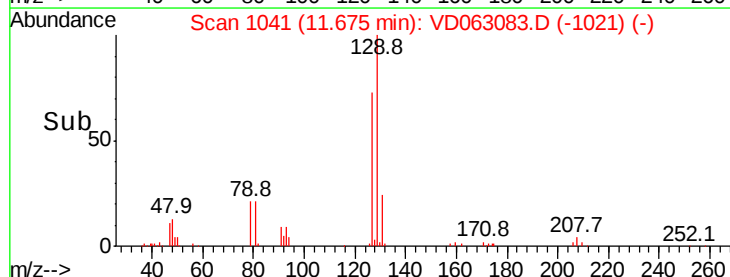
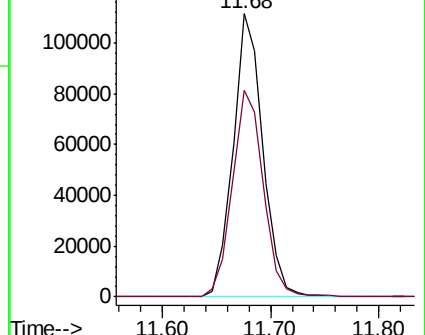
129 100

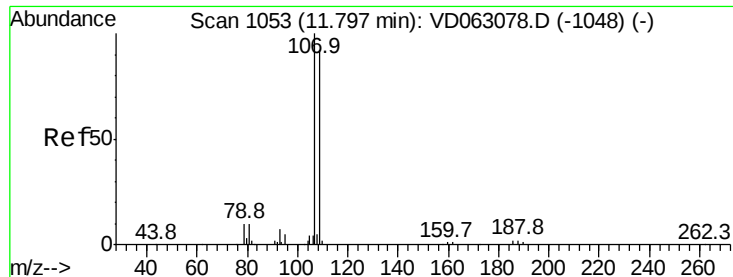
127 72.8 37.0 110.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

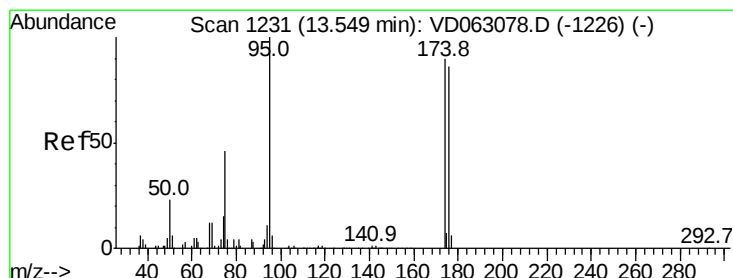
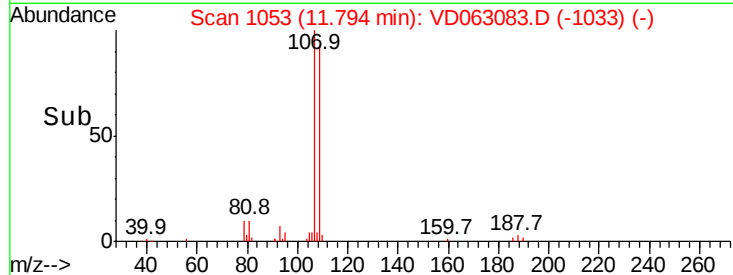
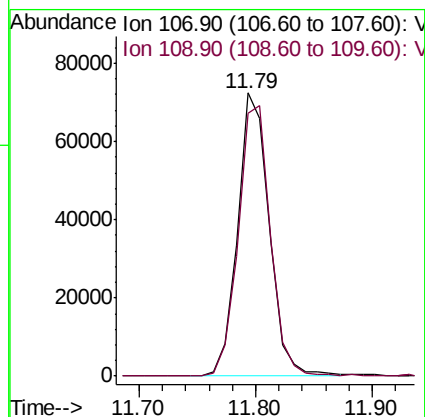
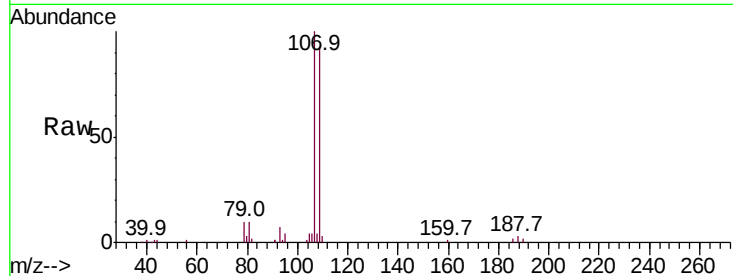




#61
 1,2-Dibromoethane
 Concen: 21.151 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

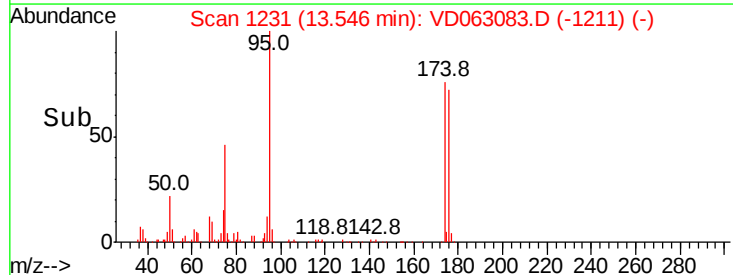
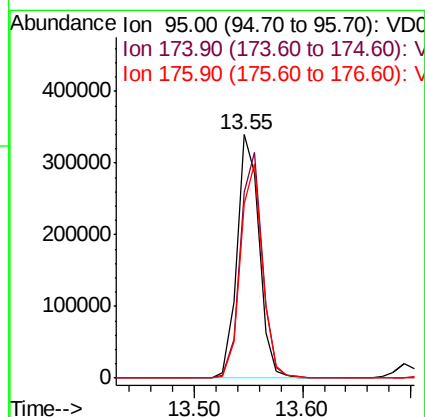
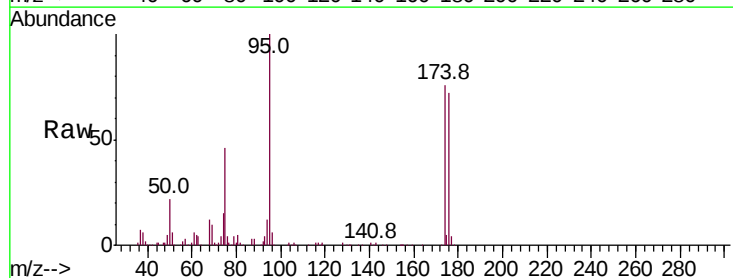
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

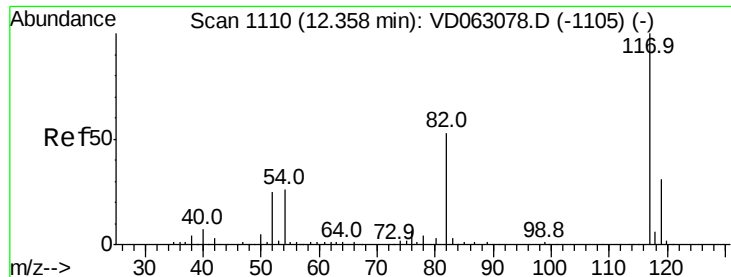
Tot Ion:107 Resp: 135320
 Ion Ratio Lower Upper
 107 100
 109 92.7 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 49.816 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

Tgt Ion: 95 Resp: 484819
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 180.6
 176 71.8 0.0 172.2

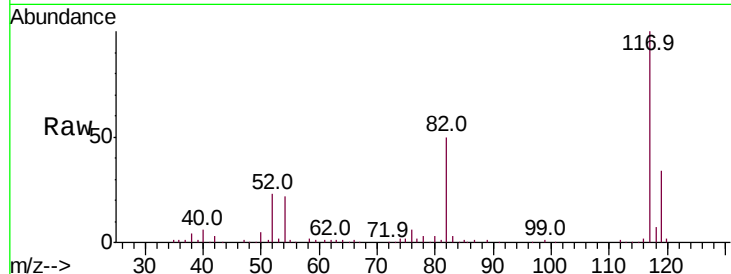




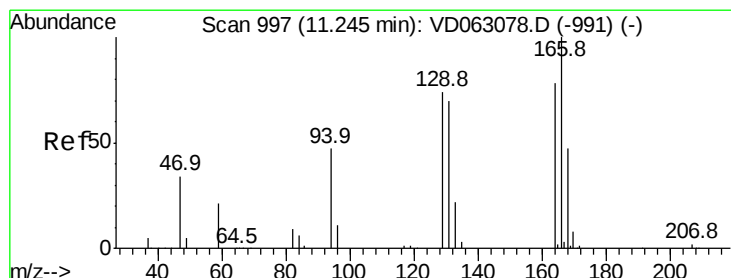
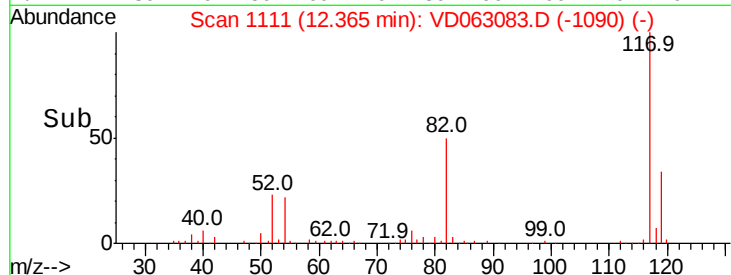
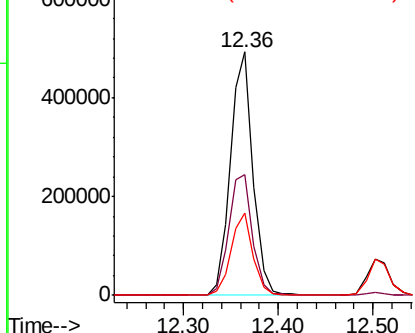
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

Tot Ion:117 Resp: 811212
Ion Ratio Lower Upper
117 100
82 49.7 42.3 63.5
119 33.9 25.2 37.8



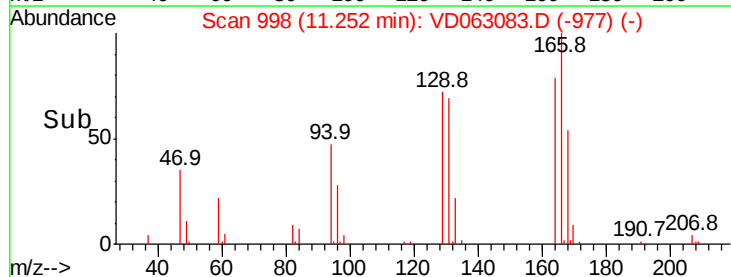
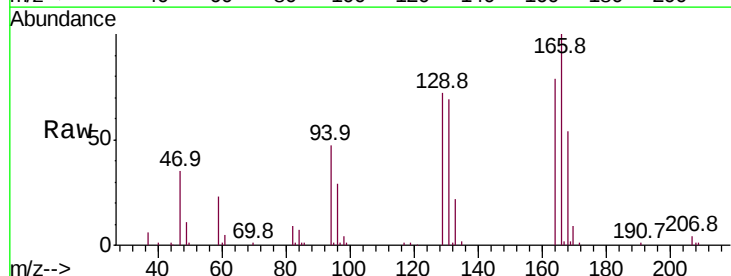
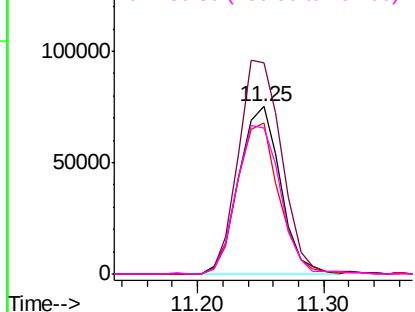
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

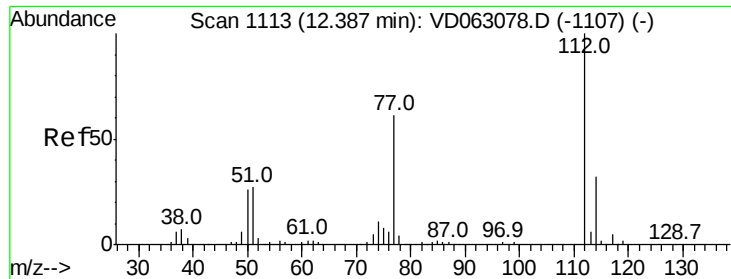


#64
Tetrachloroethene
Concen: 21.885 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion:164 Resp: 172270
Ion Ratio Lower Upper
164 100
166 126.0 102.8 154.2
129 90.3 76.4 114.6
131 87.1 71.7 107.5

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

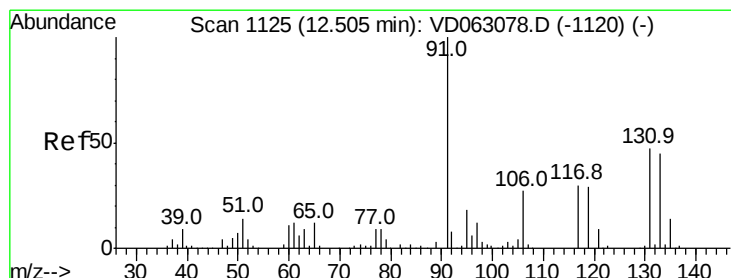
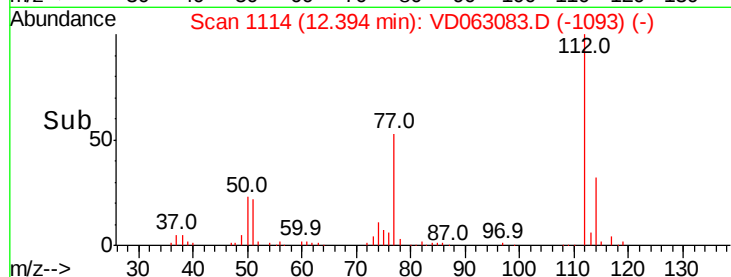
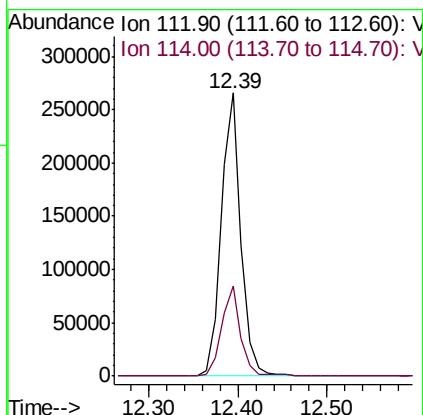
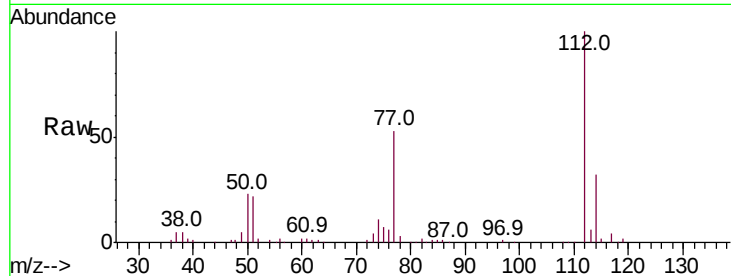




#65
Chlorobenzene
Concen: 21.424 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

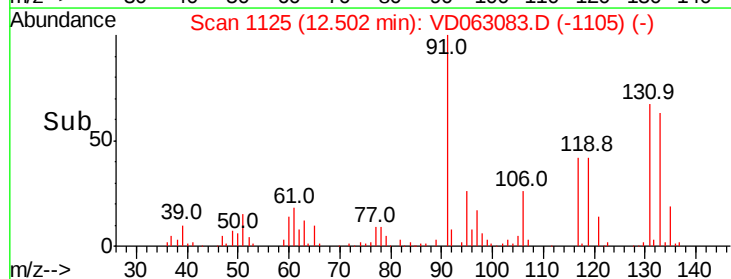
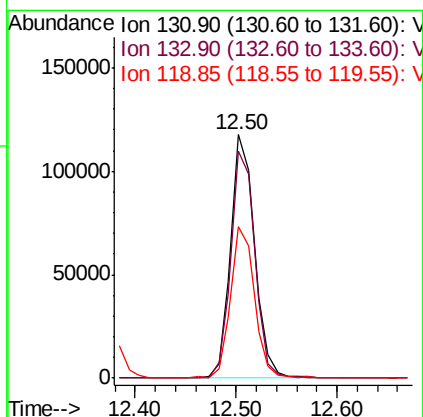
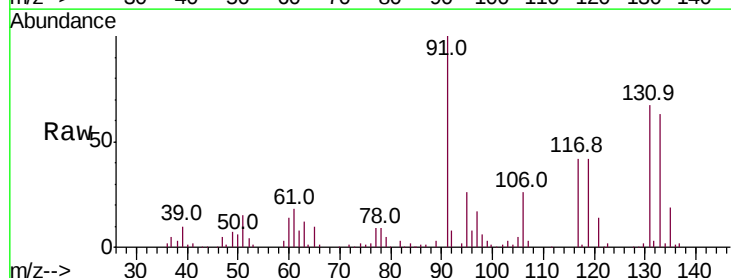
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

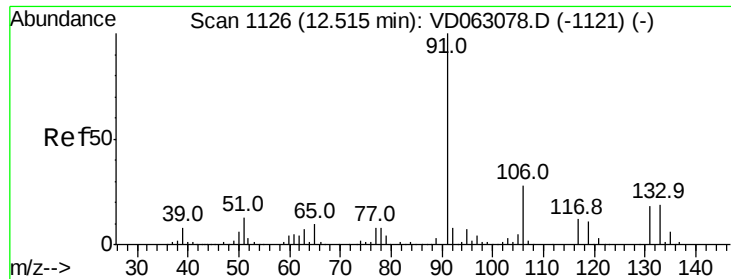
Tot Ion:112 Resp: 408549
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.942 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion:131 Resp: 193991
Ion Ratio Lower Upper
131 100
133 93.2 48.5 145.6
119 62.2 30.8 92.3

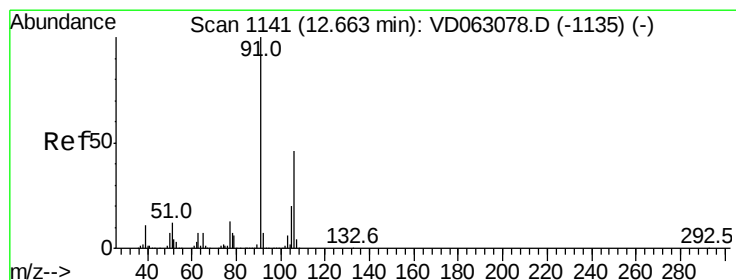
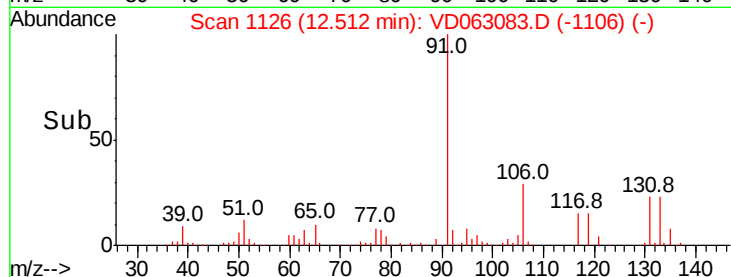
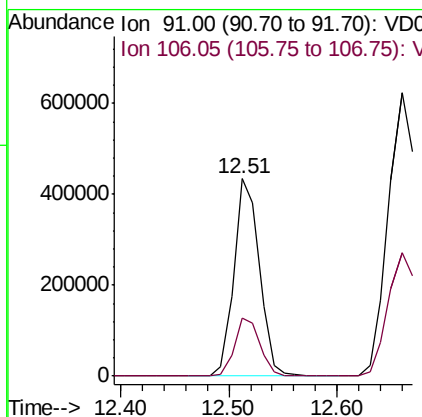
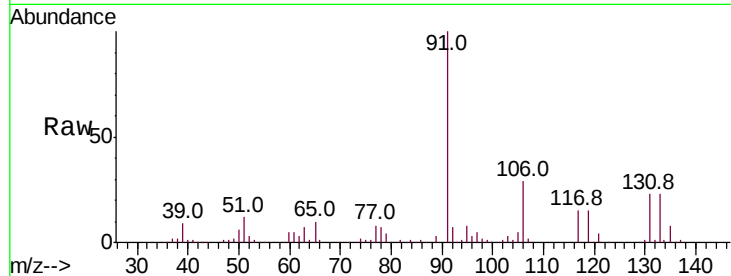




#67
Ethyl Benzene
Concen: 21.545 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

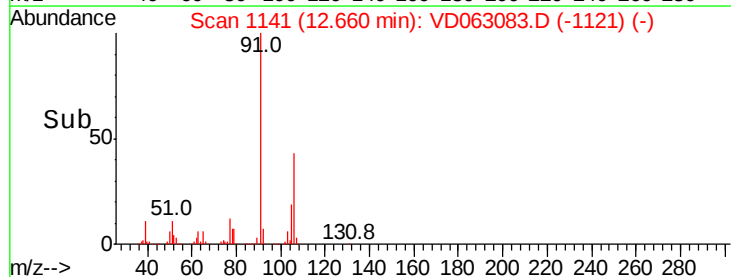
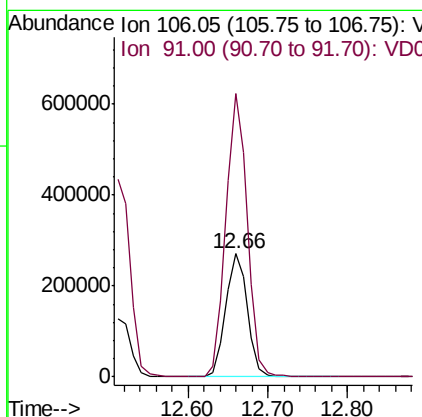
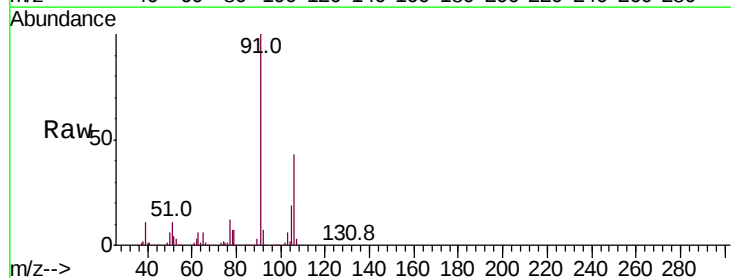
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

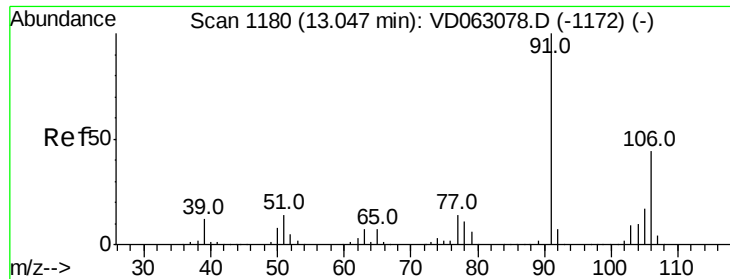
Tot Ion: 91 Resp: 713871
Ion Ratio Lower Upper
91 100
106 29.4 22.5 33.7



#68
m/p-Xylenes
Concen: 43.949 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion: 106 Resp: 521556
Ion Ratio Lower Upper
106 100
91 230.2 173.0 259.6

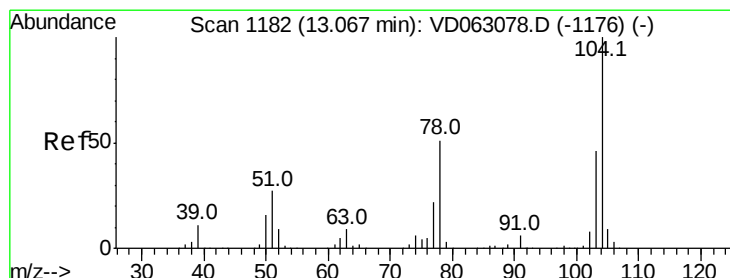
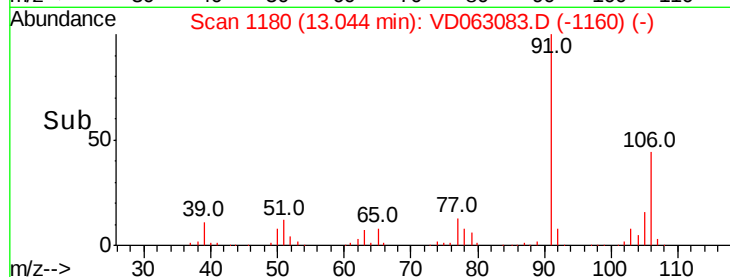
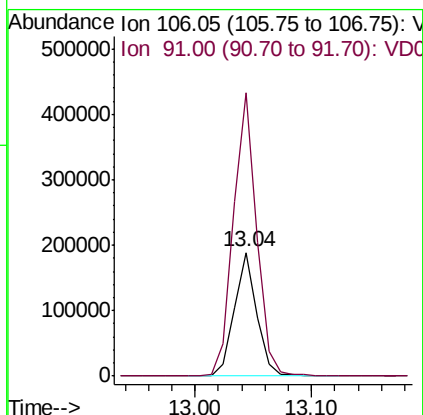
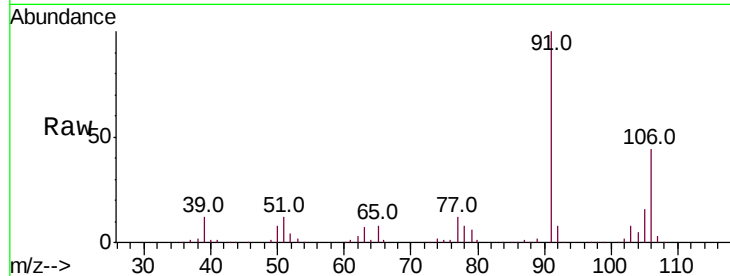




#69
o-Xylene
Concen: 22.330 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

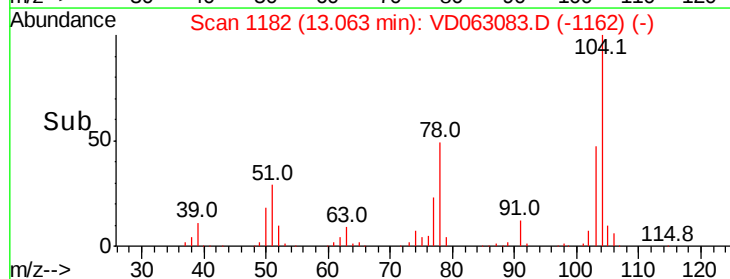
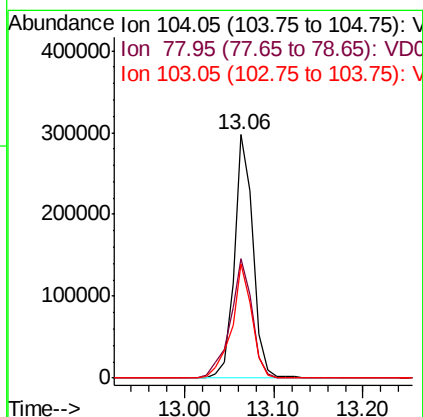
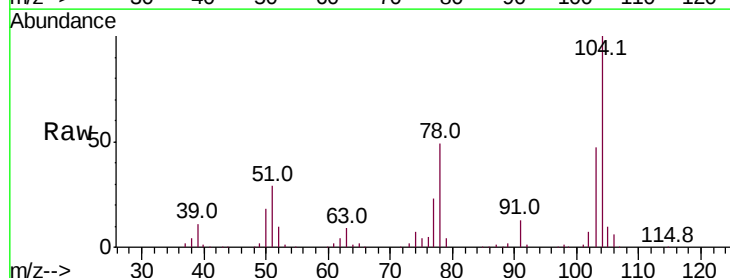
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

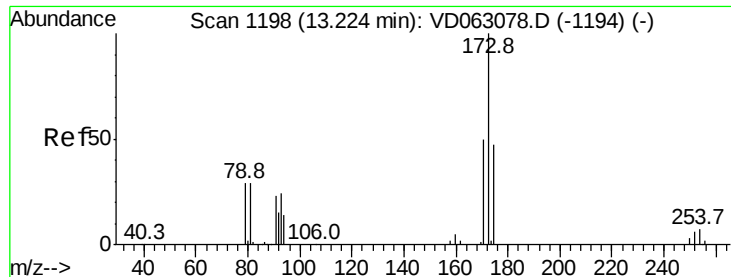
Tot Ion:106 Resp: 251270
Ion Ratio Lower Upper
106 100
91 229.4 114.9 344.7



#70
Styrene
Concen: 22.208 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion:104 Resp: 437422
Ion Ratio Lower Upper
104 100
78 49.2 41.1 61.7
103 46.8 37.0 55.6





#71

Bromoform

Concen: 21.590 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

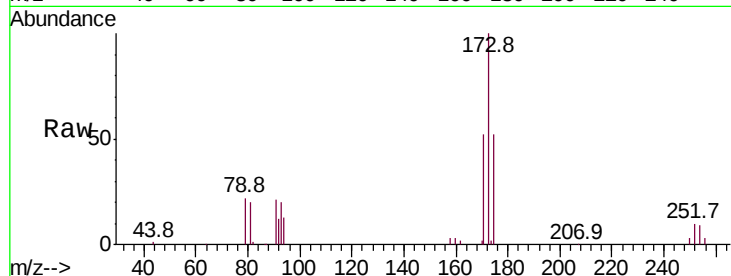
Tot Ion:173 Resp: 133631

Ion Ratio Lower Upper

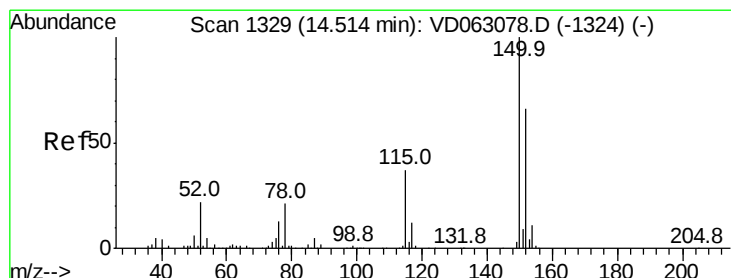
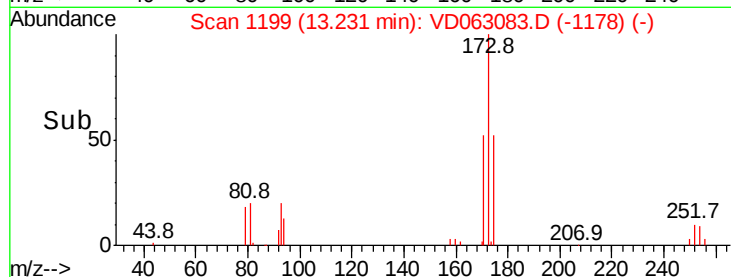
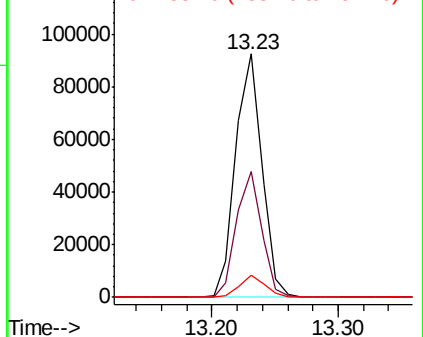
173 100

175 51.6 23.4 70.2

254 9.0 5.4 8.0#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

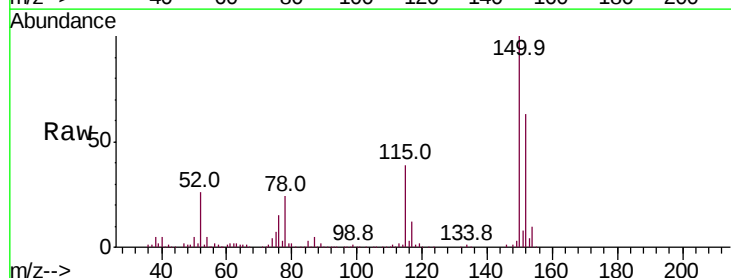
Tgt Ion:152 Resp: 472070

Ion Ratio Lower Upper

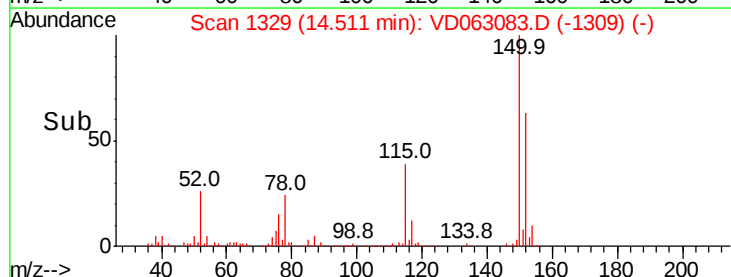
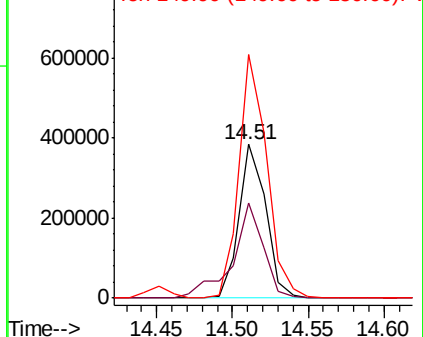
152 100

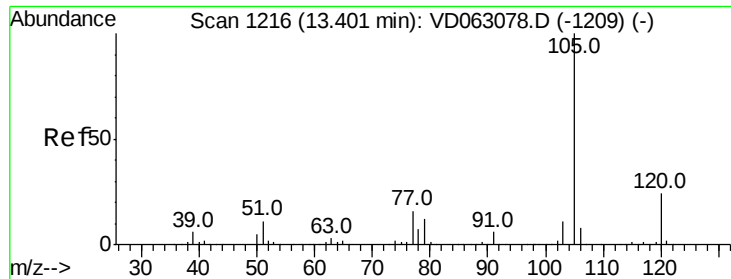
115 61.6 28.9 86.8

150 158.2 0.0 313.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.832 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

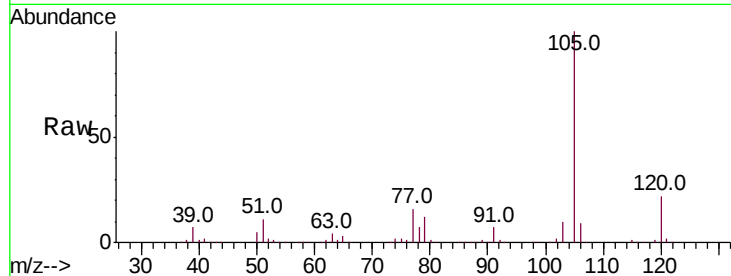
VD0715SBS01

Tot Ion:105 Resp: 759454

Ion Ratio Lower Upper

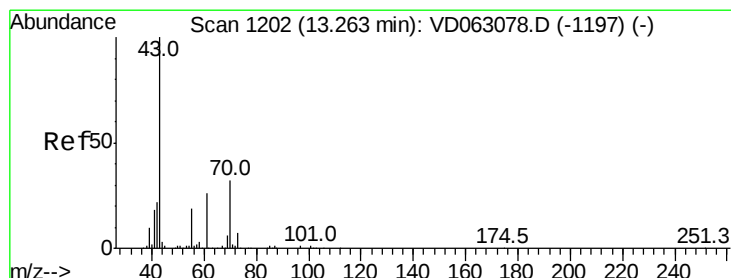
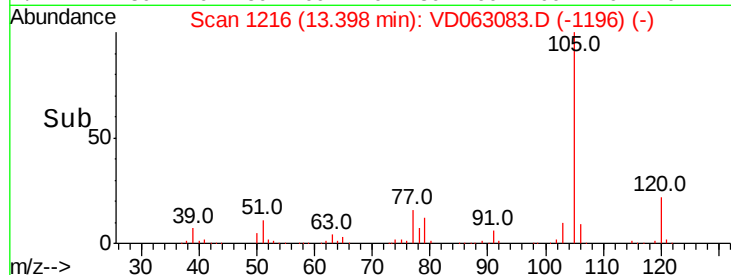
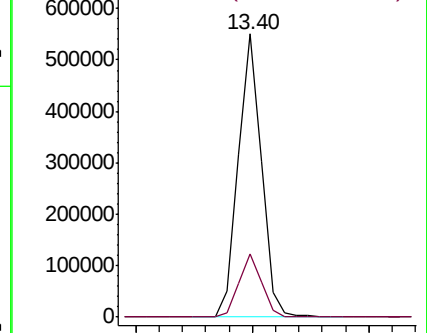
105 100

120 22.4 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.154 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Tgt Ion: 43 Resp: 194743

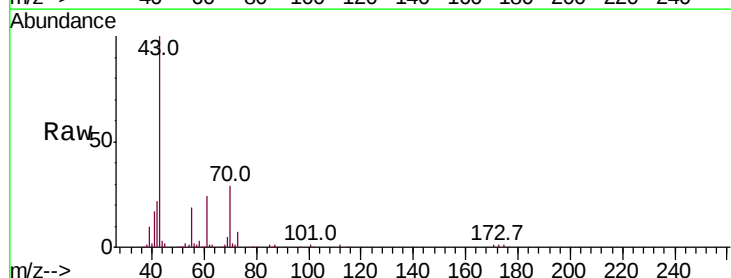
Ion Ratio Lower Upper

43 100

70 28.7 25.5 38.3

55 18.7 15.4 23.0

61 24.0 20.6 31.0

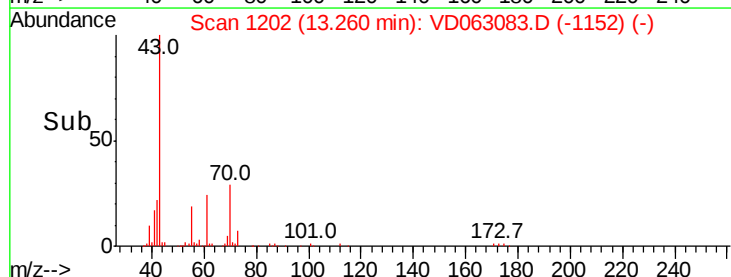
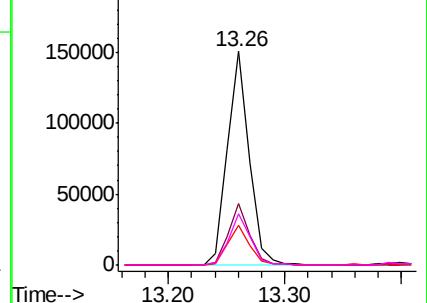


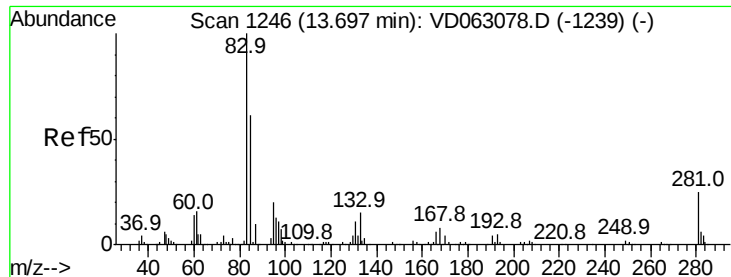
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.796 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

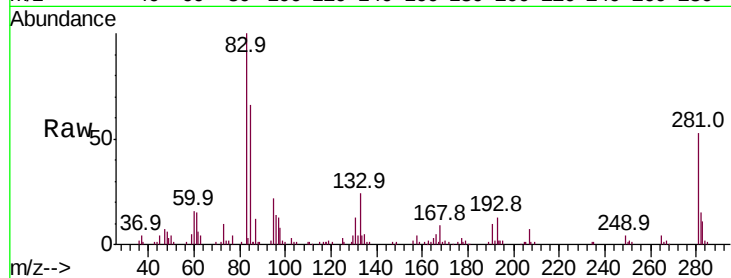
Tot Ion: 83 Resp: 124676

Ion Ratio Lower Upper

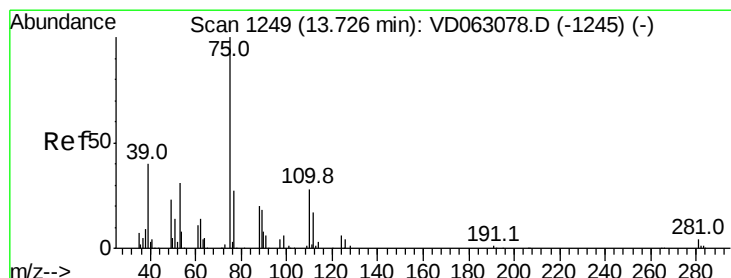
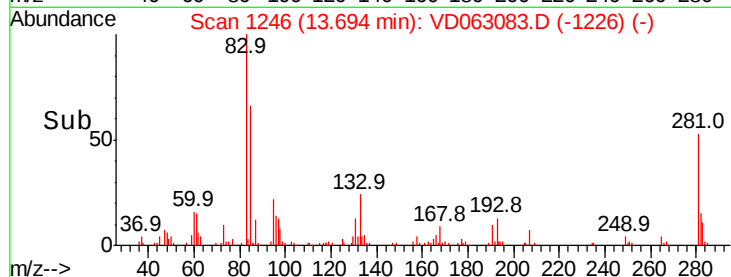
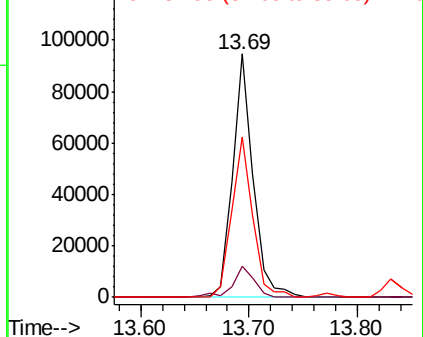
83 100

131 13.0 5.5 16.7

85 65.8 30.7 92.1



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.958 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD063083.D

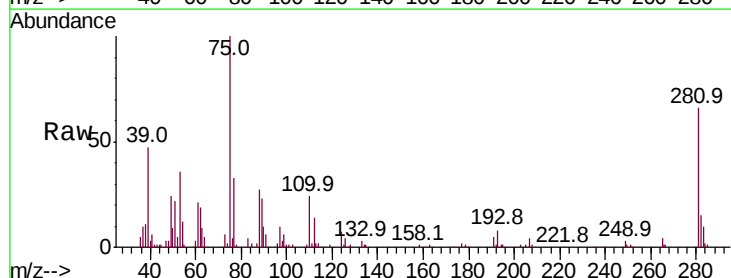
Acq: 15 Jul 2019 16:27

Tgt Ion: 75 Resp: 144933

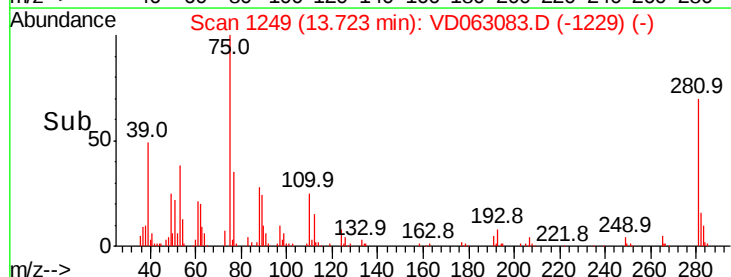
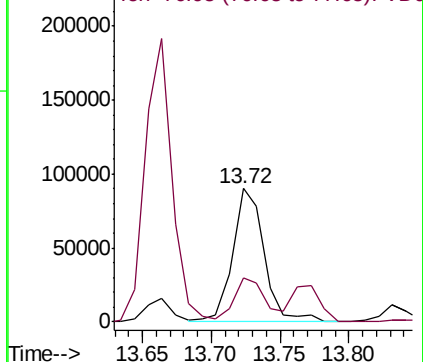
Ion Ratio Lower Upper

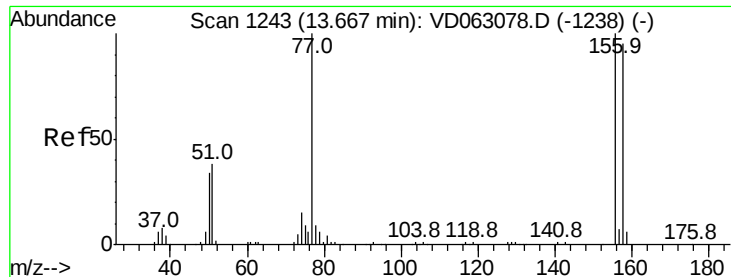
75 100

77 33.2 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.151 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

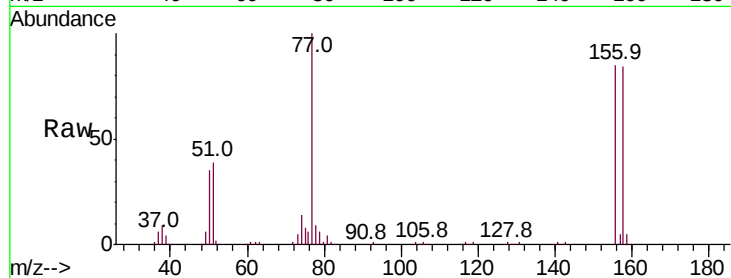
Tot Ion:156 Resp: 208330

Ion Ratio Lower Upper

156 100

77 118.1 50.2 150.7

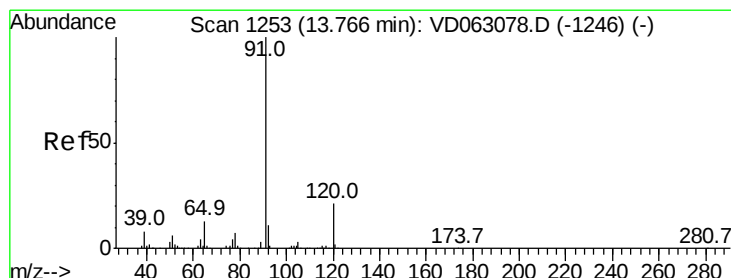
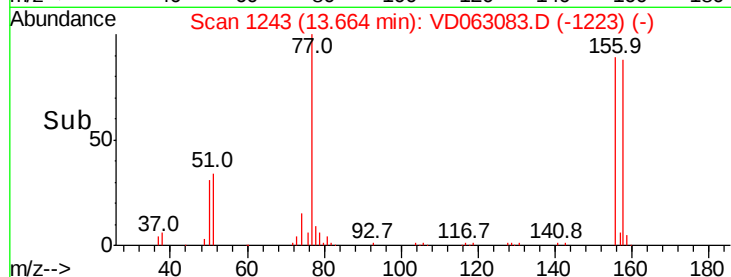
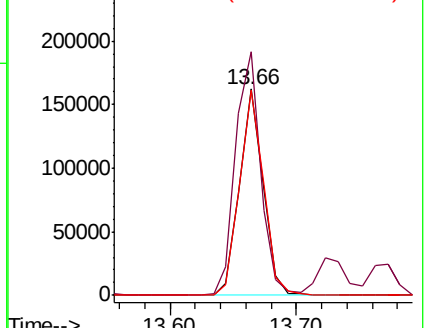
158 99.4 47.6 142.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.120 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD063083.D

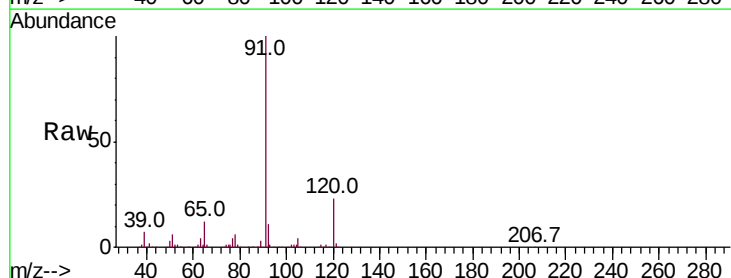
Acq: 15 Jul 2019 16:27

Tgt Ion: 91 Resp: 886061

Ion Ratio Lower Upper

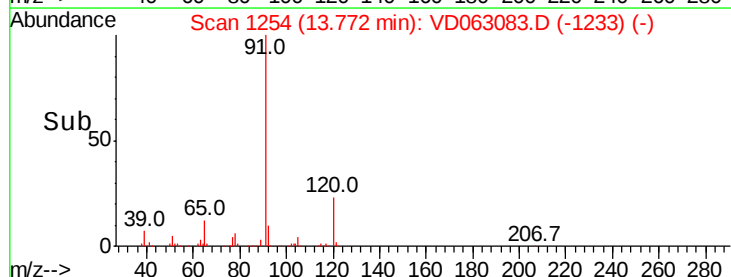
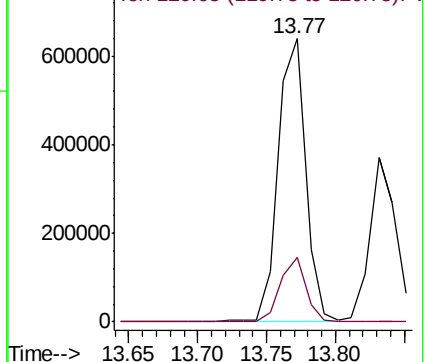
91 100

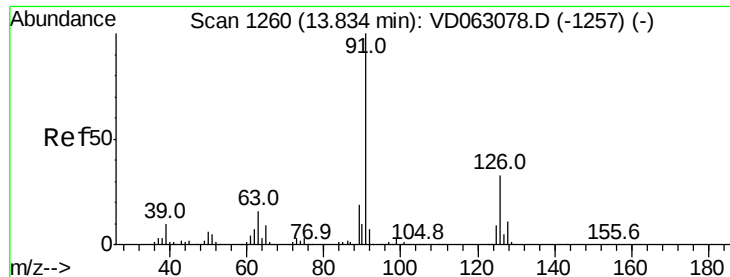
120 22.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.468 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

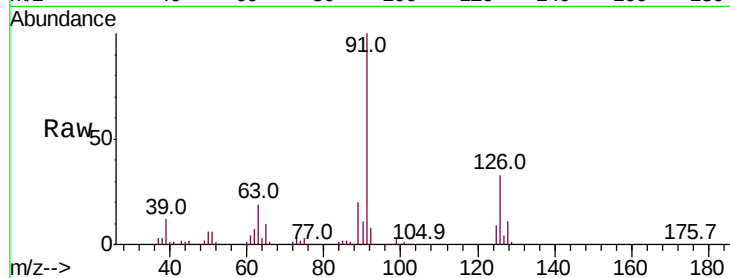
VD0715SBS01

Tot Ion: 91 Resp: 493836

Ion Ratio Lower Upper

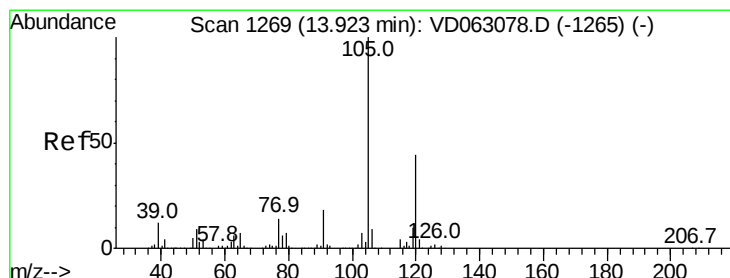
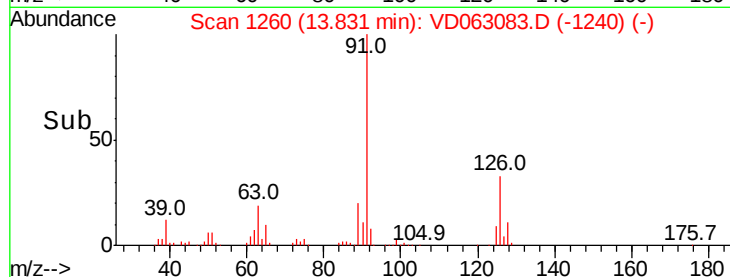
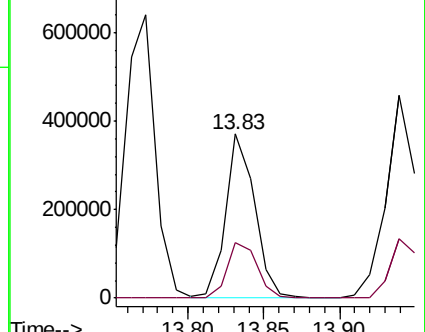
91 100

126 33.5 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 20.511 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD063083.D

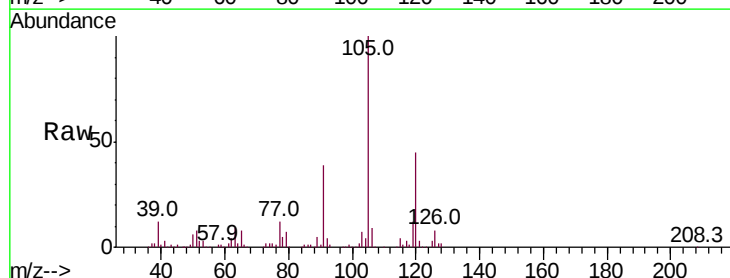
Acq: 15 Jul 2019 16:27

Tgt Ion:105 Resp: 651720

Ion Ratio Lower Upper

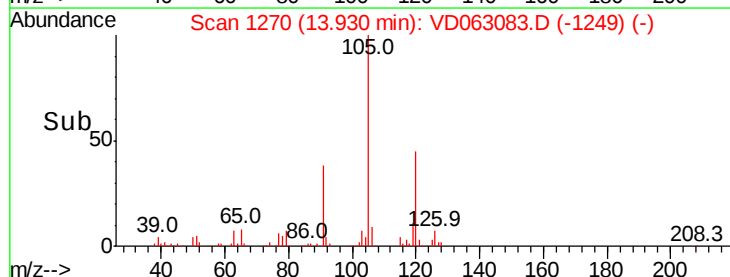
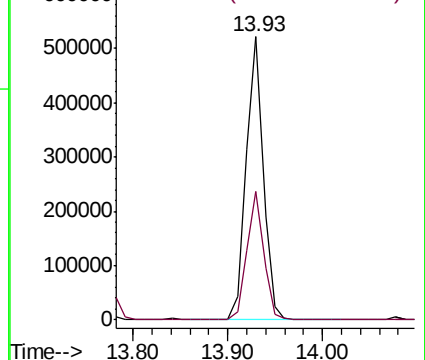
105 100

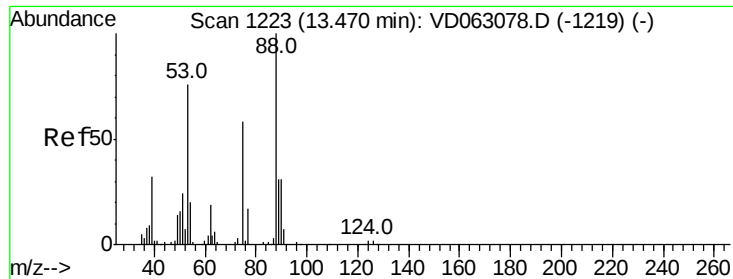
120 45.3 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.757 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

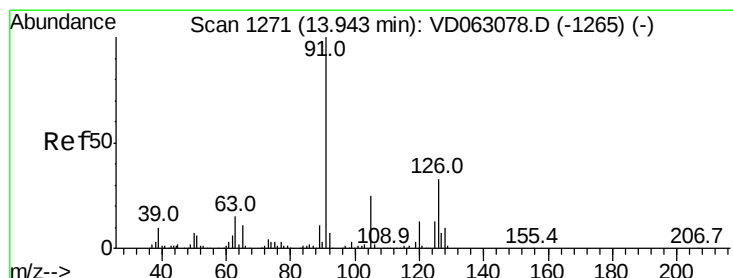
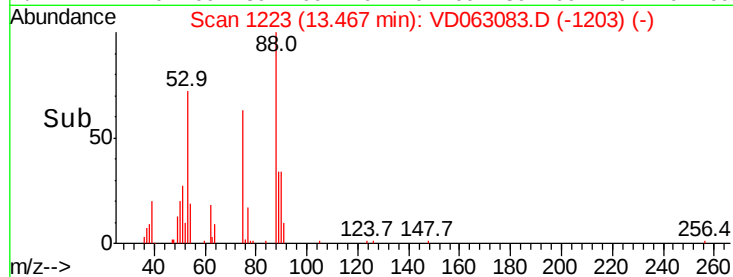
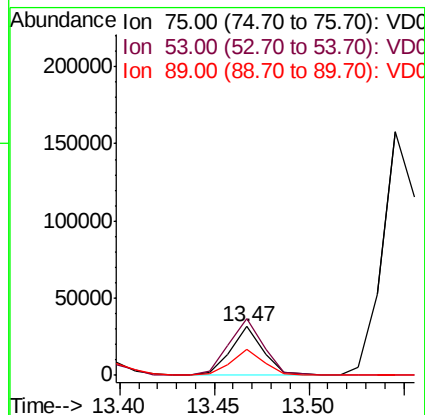
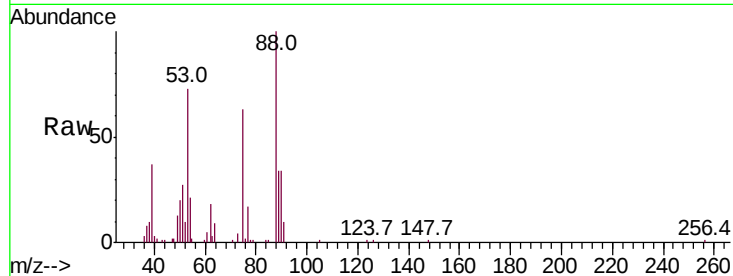
Tot Ion: 75 Resp: 37782

Ion Ratio Lower Upper

75 100

53 115.8 104.4 156.6

89 53.1 43.1 64.7



#82

4-Chlorotoluene

Concen: 21.133 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063083.D

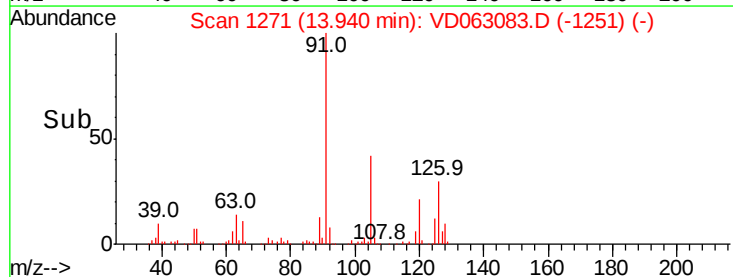
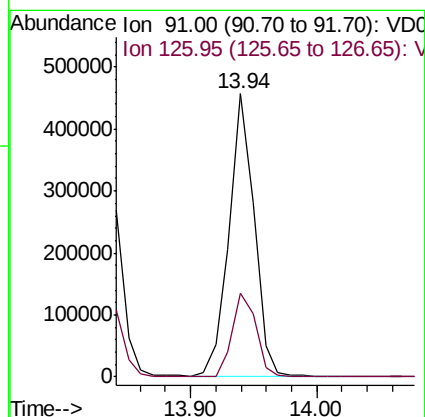
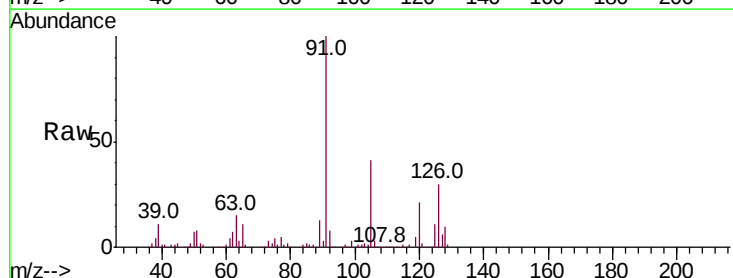
Acq: 15 Jul 2019 16:27

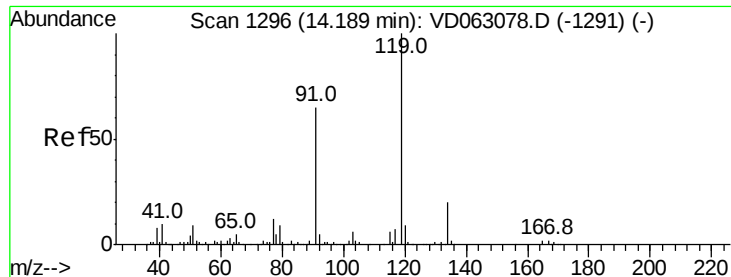
Tgt Ion: 91 Resp: 625982

Ion Ratio Lower Upper

91 100

126 29.6 16.7 50.1

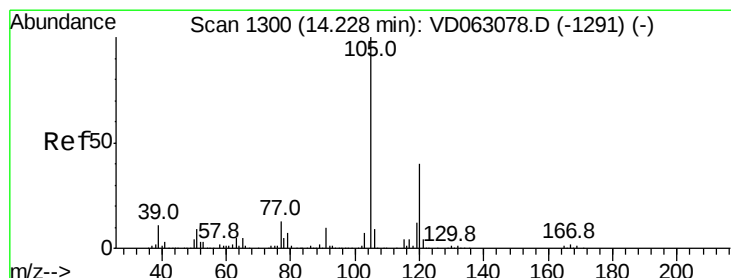
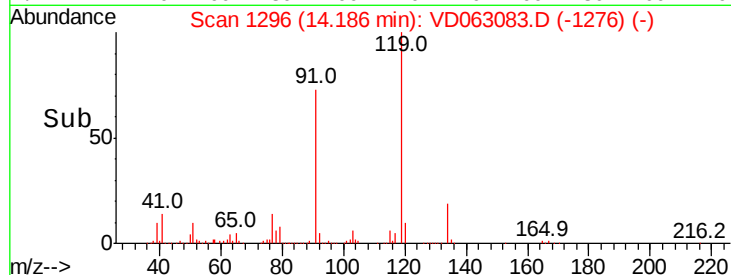
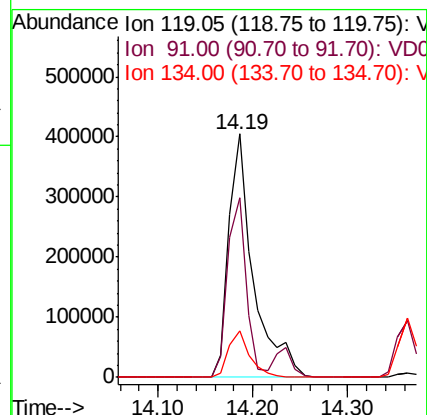
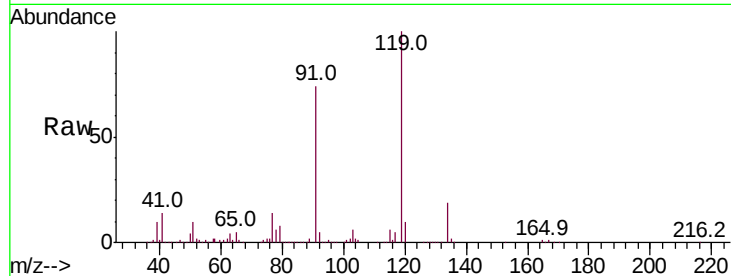




#83
tert-Butylbenzene
Concen: 20.199 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

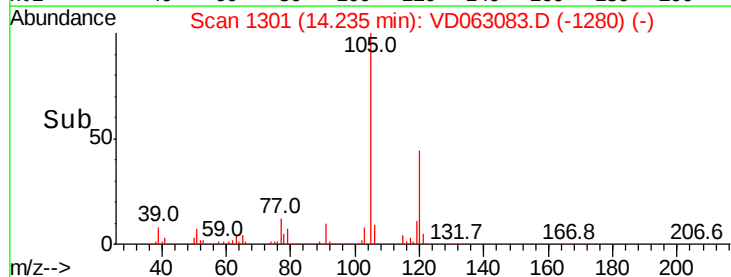
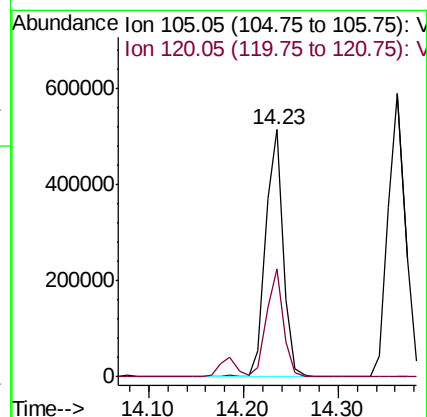
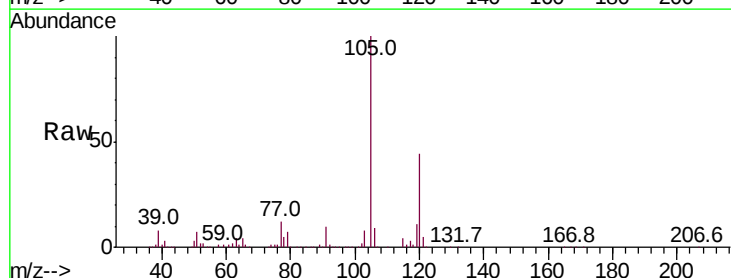
Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

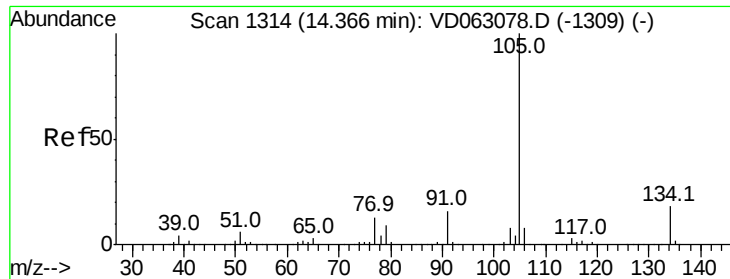
Tot Ion:119 Resp: 725674
Ion Ratio Lower Upper
119 100
91 73.7 32.4 97.2
134 18.9 10.2 30.6



#84
1,2,4-Trimethylbenzene
Concen: 21.145 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion:105 Resp: 669799
Ion Ratio Lower Upper
105 100
120 44.0 20.2 60.6





#85

sec-Butylbenzene

Concen: 19.673 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

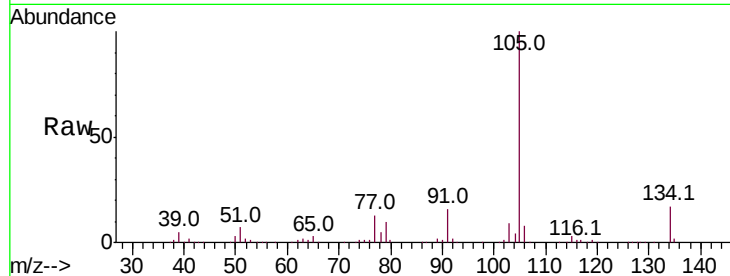
VD0715SBS01

Tot Ion:105 Resp: 750935

Ion Ratio Lower Upper

105 100

134 16.7 8.9 26.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.36

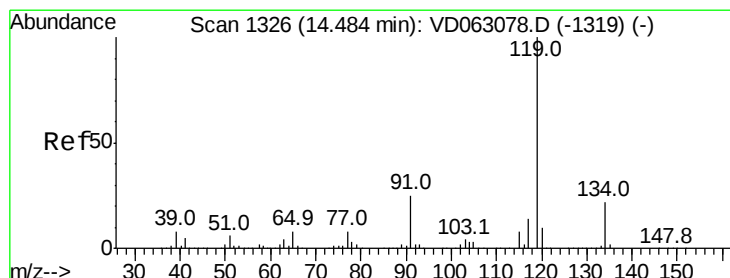
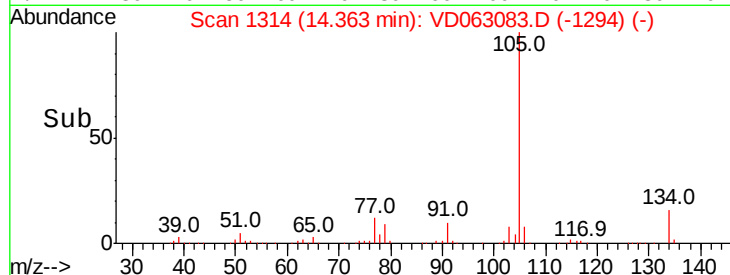
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.781 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

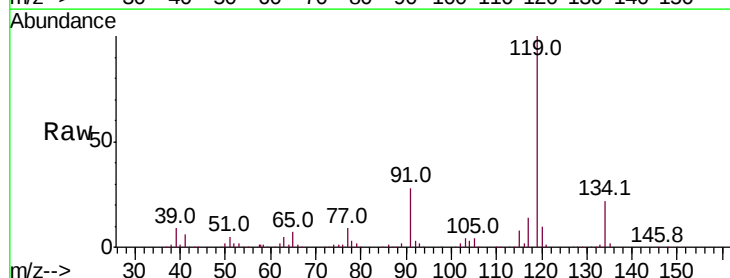
Tgt Ion:119 Resp: 739999

Ion Ratio Lower Upper

119 100

134 22.0 10.8 32.4

91 28.0 12.5 37.5



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.48

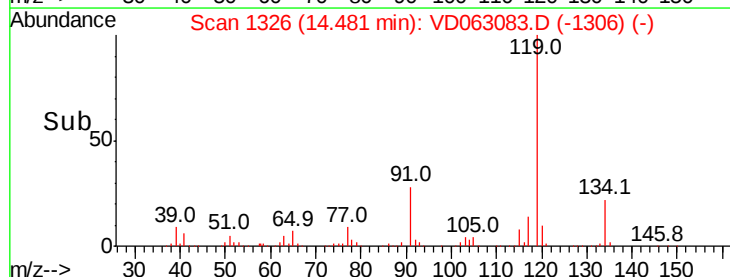
600000

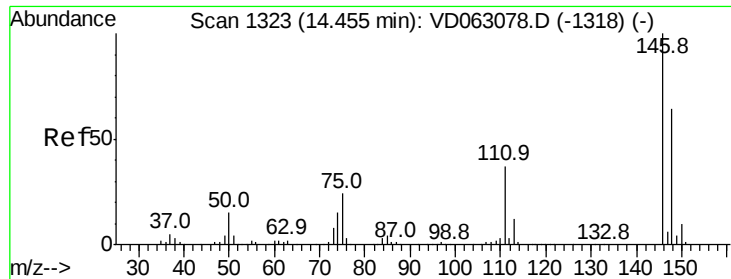
400000

200000

0

Time-->

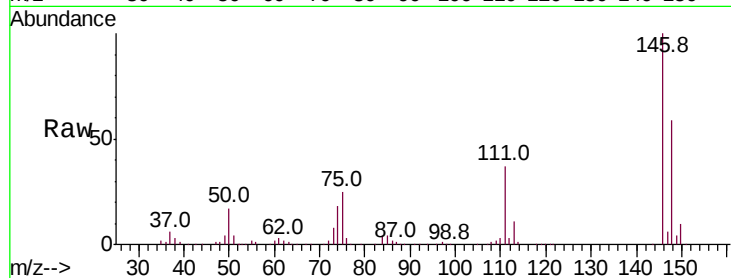




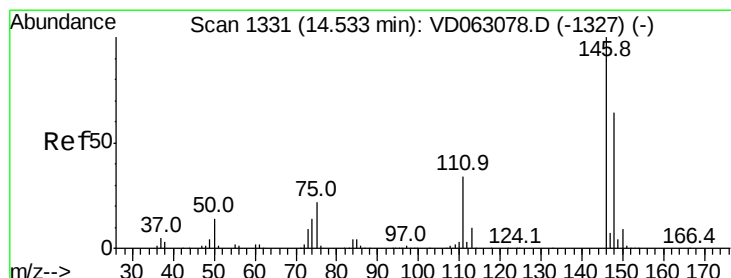
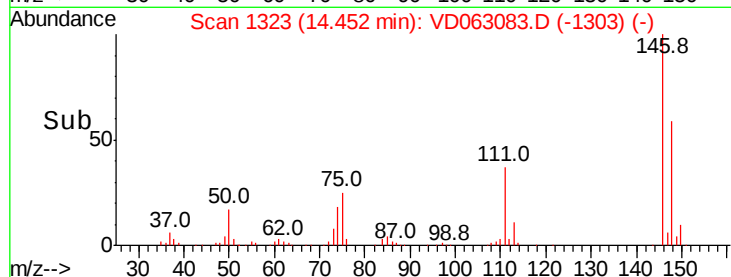
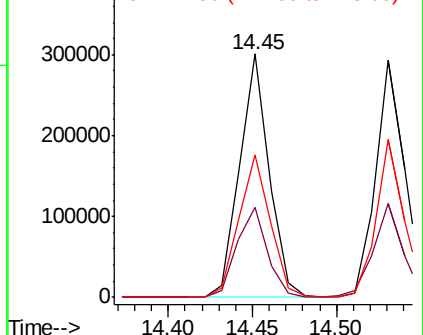
#87
 1,3-Dichlorobenzene
 Concen: 19.891 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

Tot Ion:146 Resp: 367238
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.6 55.6
 148 58.6 32.0 96.0

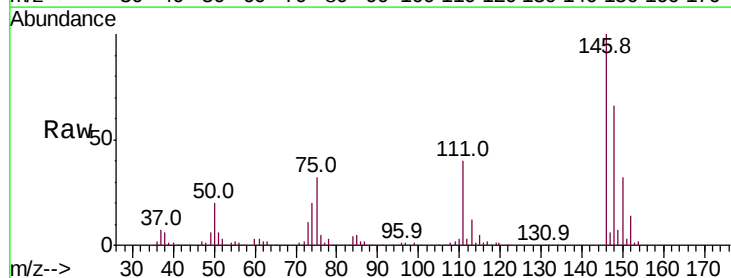


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

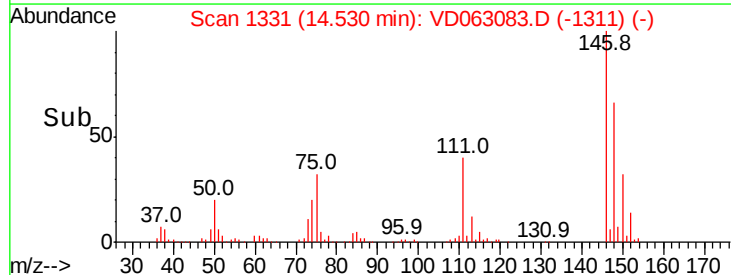
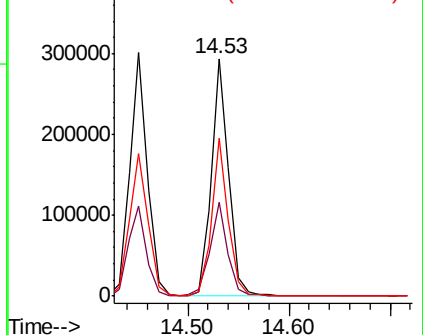


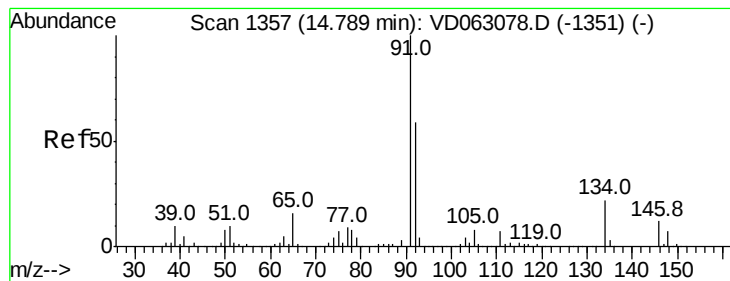
#88
 1,4-Dichlorobenzene
 Concen: 19.869 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

Tgt Ion:146 Resp: 351690
 Ion Ratio Lower Upper
 146 100
 111 39.7 17.0 51.0
 148 66.4 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.324 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD063083.D

Acq: 15 Jul 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBS01

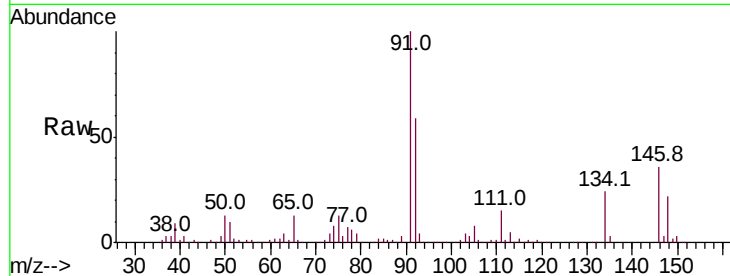
Tot Ion: 91 Resp: 667052

Ion Ratio Lower Upper

91 100

92 59.1 29.4 88.3

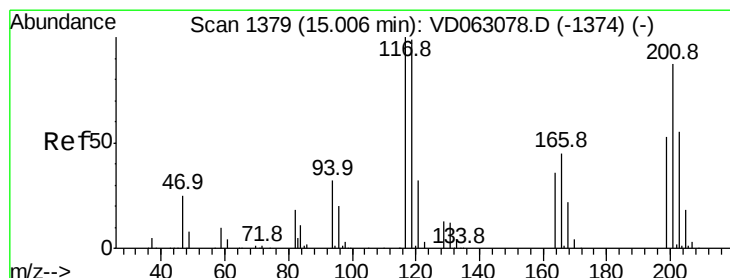
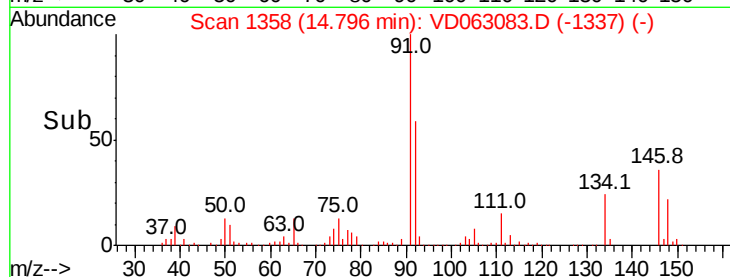
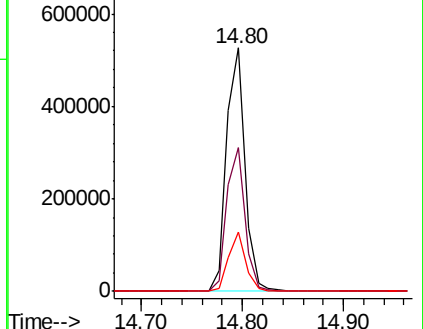
134 24.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.082 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD063083.D

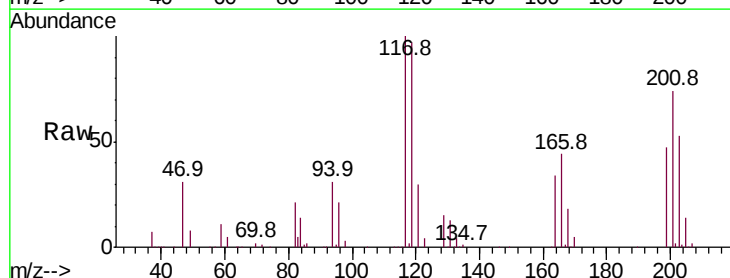
Acq: 15 Jul 2019 16:27

Tgt Ion: 117 Resp: 191164

Ion Ratio Lower Upper

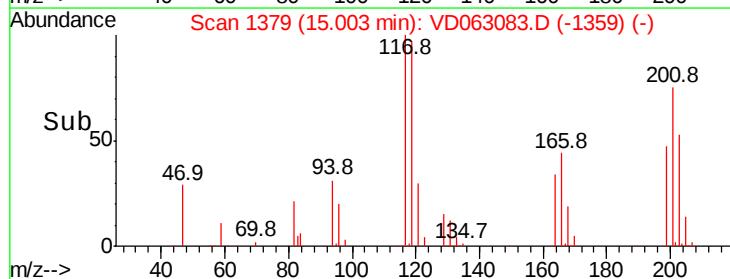
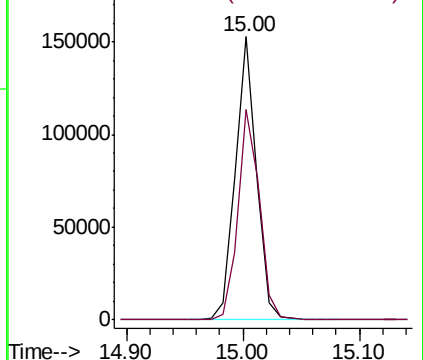
117 100

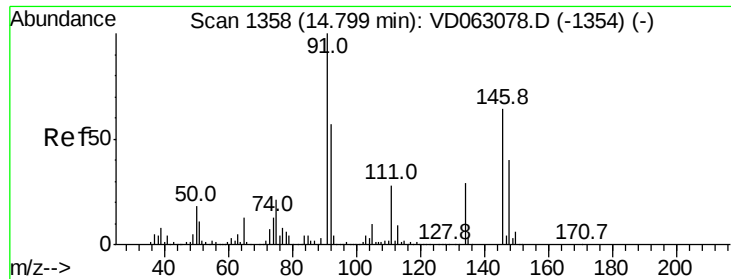
201 74.5 43.4 130.1



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

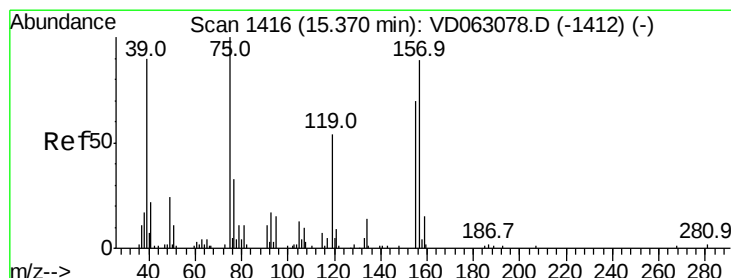
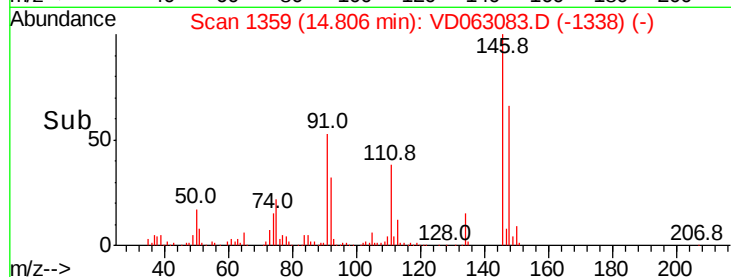
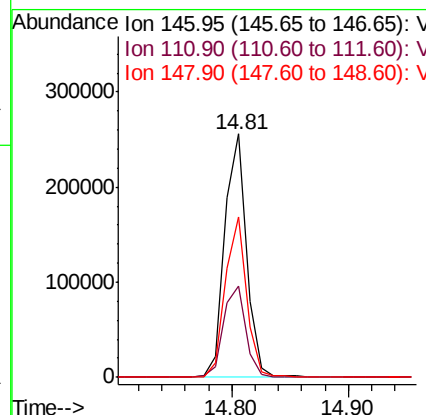
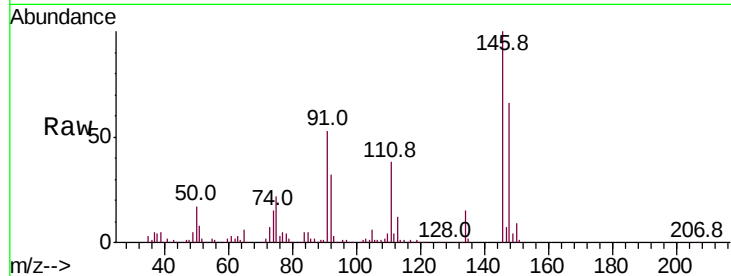




#91
 1,2-Dichlorobenzene
 Concen: 20.301 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

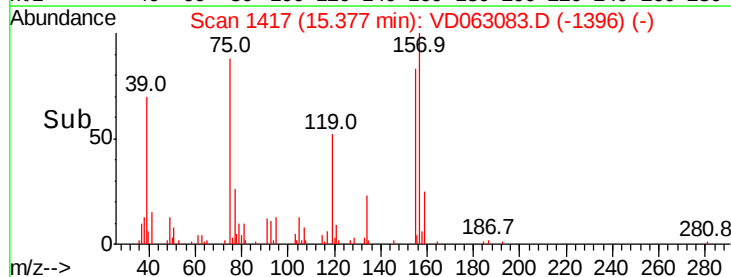
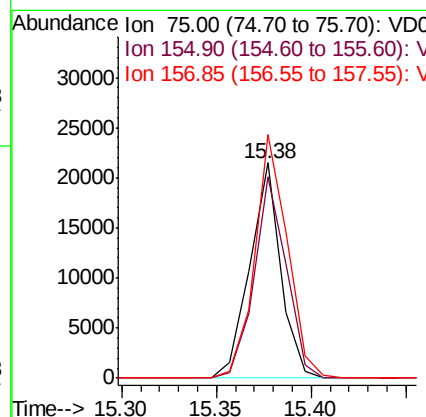
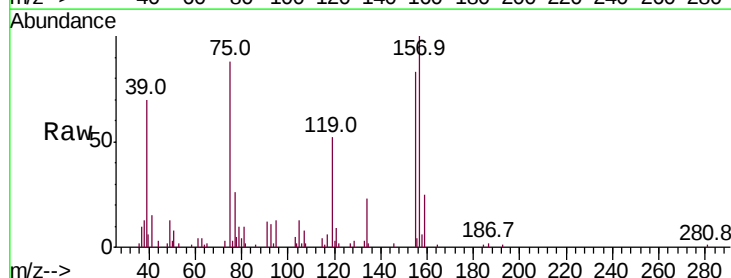
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

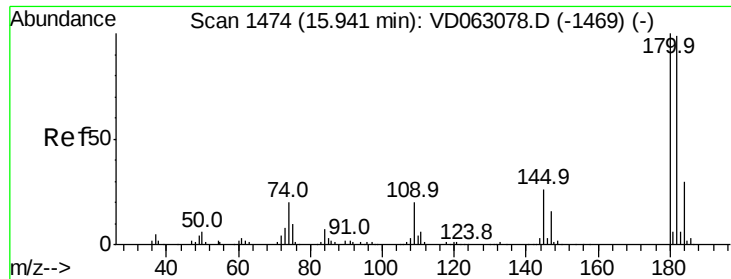
Tot Ion:146 Resp: 333758
 Ion Ratio Lower Upper
 146 100
 111 37.6 21.9 65.5
 148 66.0 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.997 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

Tgt Ion: 75 Resp: 24153
 Ion Ratio Lower Upper
 75 100
 155 93.5 34.8 104.3
 157 113.3 44.7 134.1

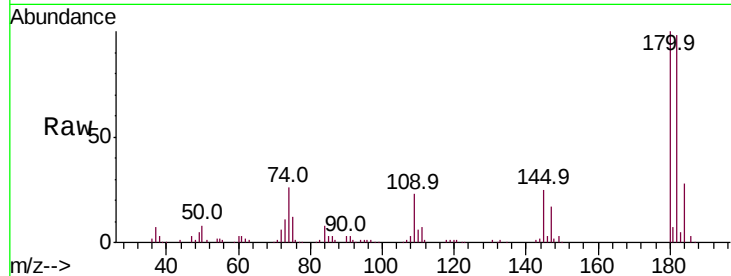




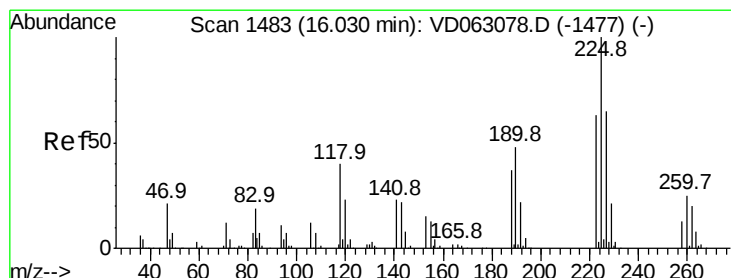
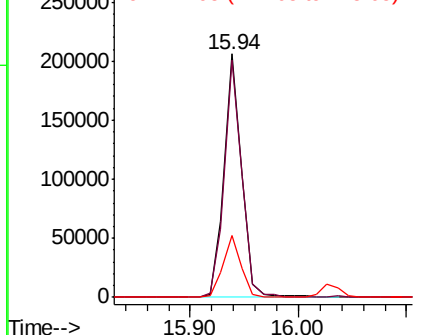
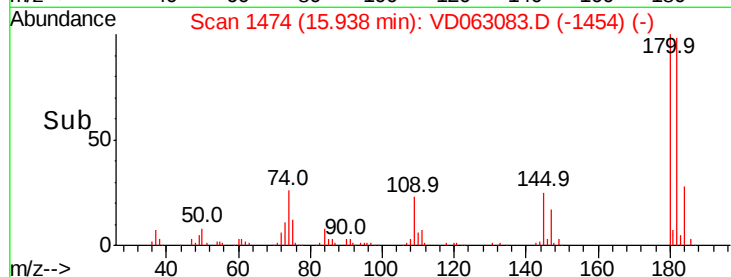
#93
 1,2,4-Trichlorobenzene
 Concen: 18.935 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	49.5	148.3
145	25.2	12.8	38.4

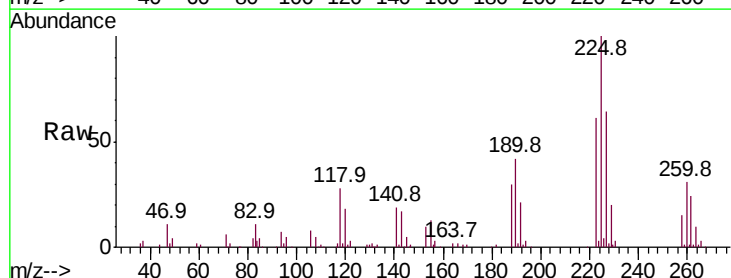


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

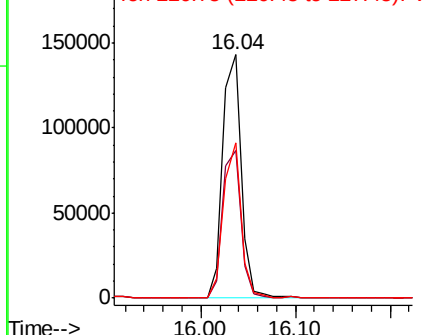
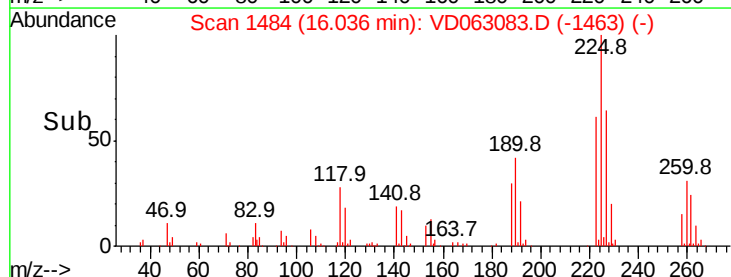


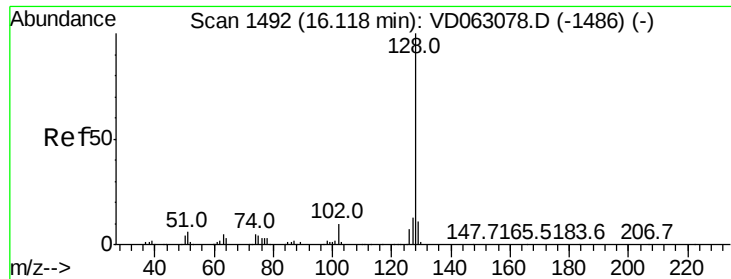
#94
 Hexachlorobutadiene
 Concen: 21.470 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD063083.D
 Acq: 15 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.4	94.2
227	64.0	32.6	97.8



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

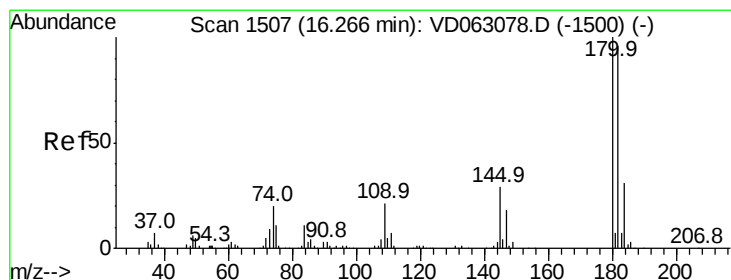
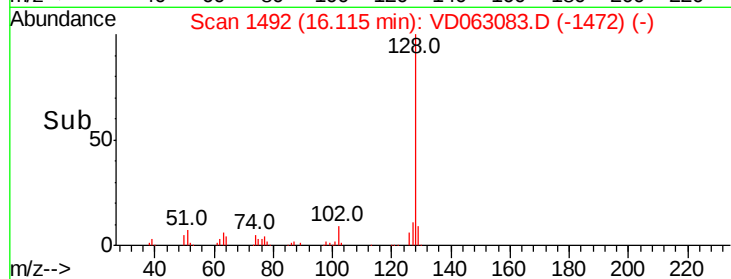
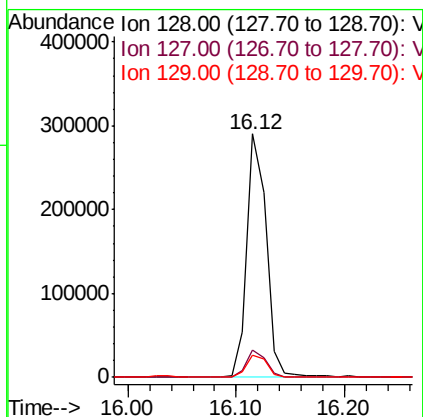
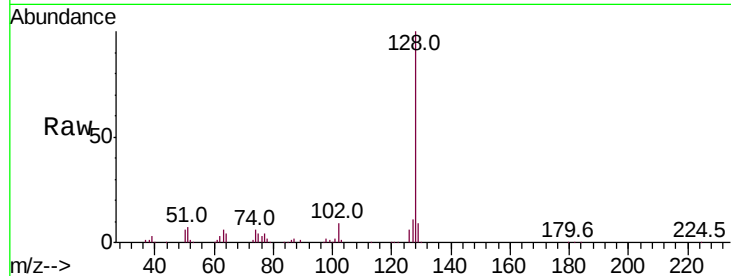




#95
Naphthalene
Concen: 19.946 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD0715SBS01

Tot Ion:128 Resp: 360383
Ion Ratio Lower Upper
128 100
127 11.4 10.7 16.1
129 9.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.206 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD063083.D
Acq: 15 Jul 2019 16:27

Tgt Ion:180 Resp: 190834
Ion Ratio Lower Upper
180 100
182 101.7 47.9 143.6
145 35.3 14.4 43.4

