

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063200.D
 Acq On : 29 Jul 2019 15:45
 Operator : VA/AP
 Sample : VD0729SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Quant Time: Jul 30 03:16:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1121267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1523624	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1141535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	678412	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	618866	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
35) Dibromofluoromethane	6.91	113	659859	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	10.41	98	1517585	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	13.55	95	662904	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	260008	18.970	ug/l	99
3) Chloromethane	1.74	50	194846	18.297	ug/l	91
4) Vinyl Chloride	1.84	62	191945	17.412	ug/l	95
5) Bromomethane	2.14	94	84692	15.233	ug/l	100
6) Chloroethane	2.25	64	88464	17.381	ug/l	96
7) Trichlorofluoromethane	2.51	101	394810	18.461	ug/l	96
8) Diethyl Ether	2.87	74	49259	16.458	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.13	101	195782	16.526	ug/l	94
10) Methyl Iodide	3.29	142	303876	17.756	ug/l	94
11) Tert butyl alcohol	4.08	59	49895	91.384	ug/l	100
12) 1,1-Dichloroethene	3.11	96	149321	17.169	ug/l #	81
13) Acrolein	3.02	56	51285	97.599	ug/l	92
14) Allyl chloride	3.60	41	251186	18.130	ug/l	94
15) Acrylonitrile	4.19	53	123809	87.464	ug/l	89
16) Acetone	3.22	43	223559	92.224	ug/l	96
17) Carbon Disulfide	3.36	76	533621	18.331	ug/l	96
18) Methyl Acetate	3.63	43	77703	16.688	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	361755	18.414	ug/l	96
20) Methylene Chloride	3.80	84	167868	17.132	ug/l	91
21) trans-1,2-Dichloroethene	4.20	96	182552	18.707	ug/l	89
22) Diisopropyl ether	5.11	45	502897	18.168	ug/l	99
23) Vinyl Acetate	5.05	43	1549437	91.063	ug/l	99
24) 1,1-Dichloroethane	4.97	63	330272	18.680	ug/l	96
25) 2-Butanone	6.07	43	225095	92.526	ug/l	96
26) 2,2-Dichloropropane	6.01	77	350084	19.214	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	195351	18.672	ug/l	94
28) Bromochloromethane	6.43	49	127958	18.164	ug/l	92
29) Tetrahydrofuran	6.45	42	100793	87.509	ug/l	99
30) Chloroform	6.66	83	387894	17.678	ug/l	99
31) Cyclohexane	6.94	56	195363	17.628	ug/l	89
32) 1,1,1-Trichloroethane	6.86	97	367172	17.300	ug/l	95
36) 1,1-Dichloropropene	7.14	75	235608	16.944	ug/l	97
37) Ethyl Acetate	6.17	43	116523	18.653	ug/l	98
38) Carbon Tetrachloride	7.10	117	382943	18.293	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	211694	18.273	ug/l	91
40) Benzene	7.44	78	540177	18.536	ug/l	99
41) Methacrylonitrile	6.45	41	128906	17.251	ug/l #	98
42) 1,2-Dichloroethane	7.57	62	280430	18.157	ug/l	96
43) Isopropyl Acetate	9.24	43	143747	18.014	ug/l #	94
44) Trichloroethene	8.54	130	207864	17.602	ug/l	88
45) 1,2-Dichloropropane	8.93	63	127458	17.207	ug/l	95
46) Dibromomethane	9.06	93	110277	17.905	ug/l	95
47) Bromodichloromethane	9.37	83	278010	17.708	ug/l #	96
48) Methyl methacrylate	9.12	41	98722	19.075	ug/l	96
49) 1,4-Dioxane	9.08	88	19696	446.978	ug/l	91
51) 4-Methyl-2-Pentanone	10.30	43	499072	91.962	ug/l	100
52) Toluene	10.51	92	354700	18.300	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	239548	17.698	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	262286	18.438	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	119440	18.246	ug/l	95
56) Ethyl methacrylate	11.04	69	137309	19.155	ug/l	91
57) 1,3-Dichloropropane	11.40	76	190130	18.434	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.86	63	366643	98.298	ug/l	98
59) 2-Hexanone	11.53	43	375166	95.929	ug/l	98
60) Dibromochloromethane	11.68	129	221527	17.926	ug/l	98
61) 1,2-Dibromoethane	11.80	107	151243	18.724	ug/l	99
64) Tetrachloroethene	11.25	164	202911	22.312	ug/l	96
65) Chlorobenzene	12.40	112	447443	20.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	204674	21.162	ug/l	92
67) Ethyl Benzene	12.52	91	802925	21.526	ug/l	99
68) m/p-Xylenes	12.66	106	558712	40.845	ug/l	100
69) o-Xylene	13.05	106	272088	21.661	ug/l	93
70) Styrene	13.06	104	474794	21.313	ug/l	97
71) Bromoform	13.23	173	138275	19.660	ug/l #	91
73) Isopropylbenzene	13.40	105	805021	18.906	ug/l	100
74) N-amyl acetate	13.26	43	201322	17.885	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	140803	19.468	ug/l	89
76) 1,2,3-Trichloropropane	13.72	75	147970	18.159	ug/l	97
77) Bromobenzene	13.67	156	224350	18.496	ug/l	94
78) n-propylbenzene	13.77	91	945754	18.665	ug/l	95
79) 2-Chlorotoluene	13.83	91	537350	18.302	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	655660	17.854	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	38746	17.124	ug/l	98
82) 4-Chlorotoluene	13.94	91	630747	18.255	ug/l	93
83) tert-Butylbenzene	14.19	119	753218	17.963	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	704240	18.540	ug/l	95
85) sec-Butylbenzene	14.36	105	787444	17.824	ug/l	96
86) p-Isopropyltoluene	14.48	119	804869	19.088	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	420931	19.596	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	405512	18.669	ug/l	97
89) n-Butylbenzene	14.80	91	691447	18.986	ug/l	98
90) Hexachloroethane	15.00	117	200476	18.248	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	332329	17.757	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23494	15.947	ug/l	62

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Instrument :
MSVOA_D
ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

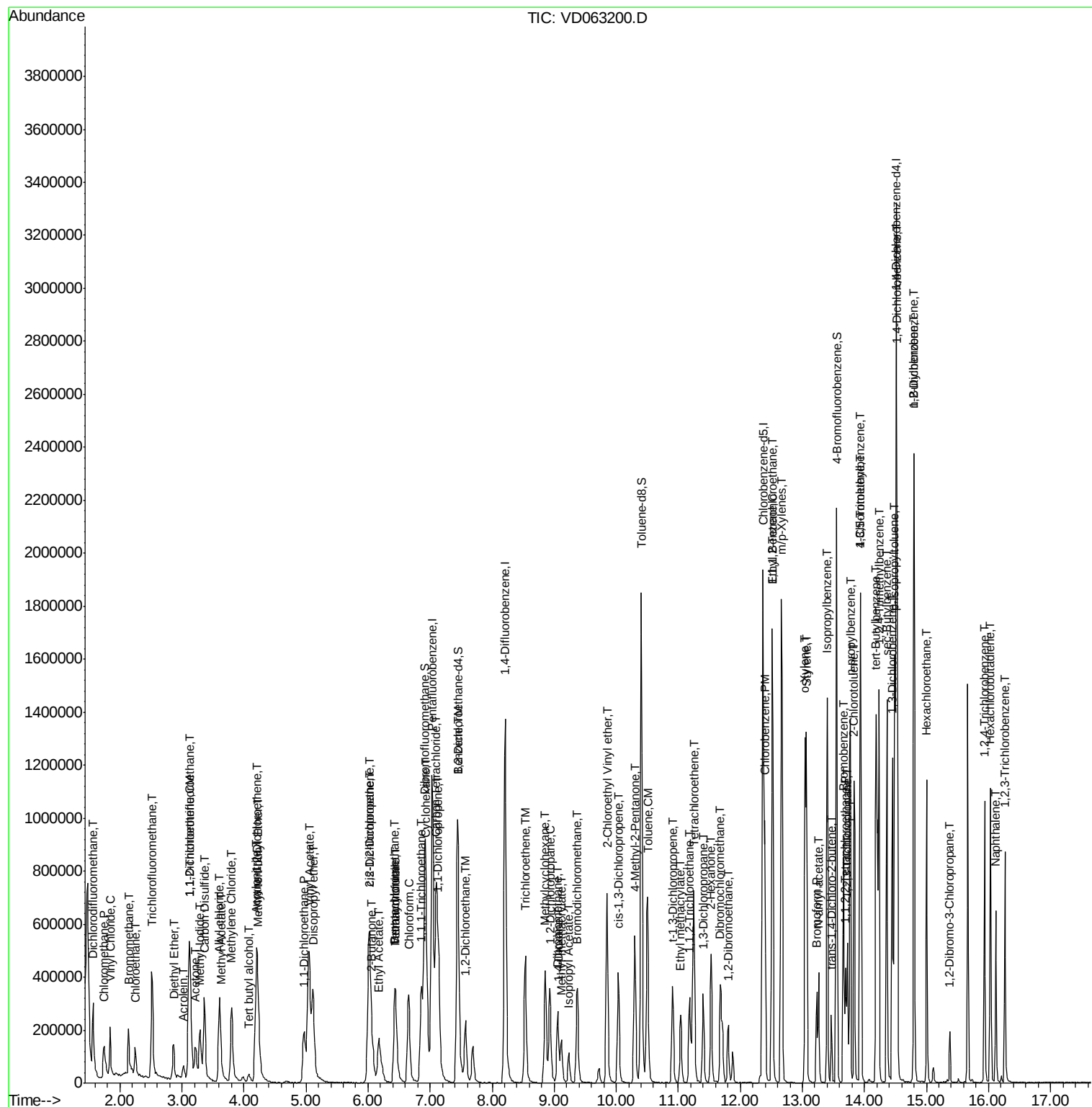
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	245557	16.539	µg/l	95
94) Hexachlorobutadiene	16.04	225	203185	18.884	µg/l	95
95) Naphthalene	16.12	128	394224	18.786	µg/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	200916	17.130	µg/l	97

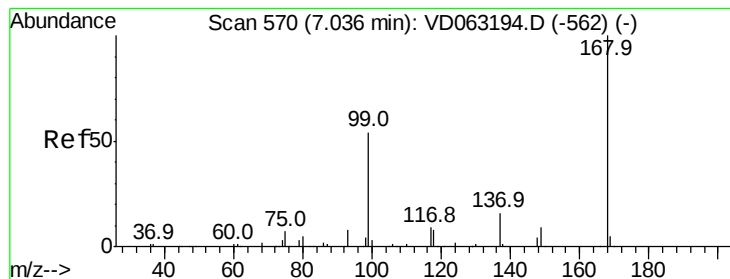
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063200.D
 Acq On : 29 Jul 2019 15:45
 Operator : VA/AP
 Sample : VD0729SBSD01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

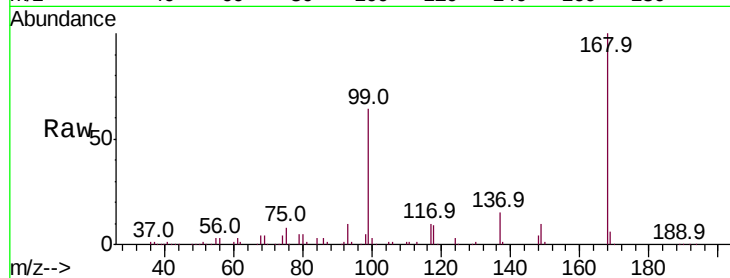
VD0729SBSD01

Tot Ion:168 Resp: 1121267

Ion Ratio Lower Upper

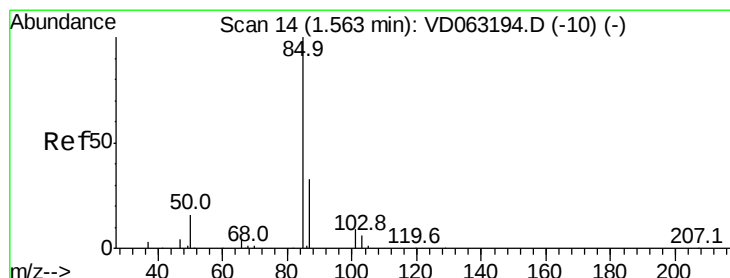
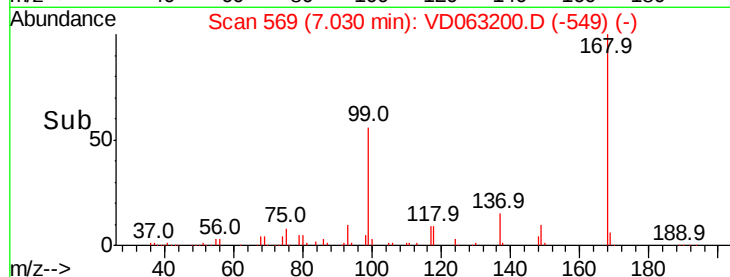
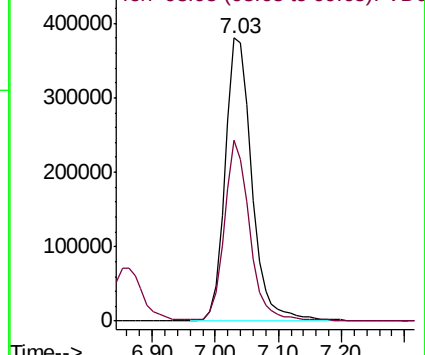
168 100

99 64.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.970 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063200.D

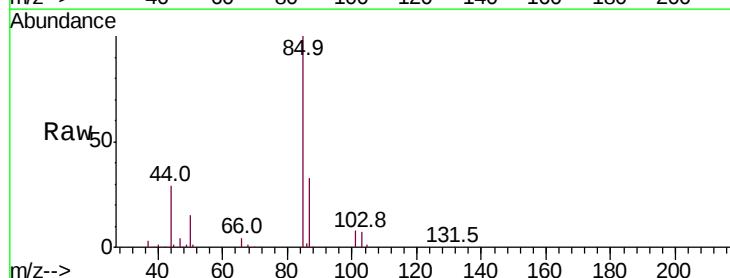
Acq: 29 Jul 2019 15:45

Tgt Ion: 85 Resp: 260008

Ion Ratio Lower Upper

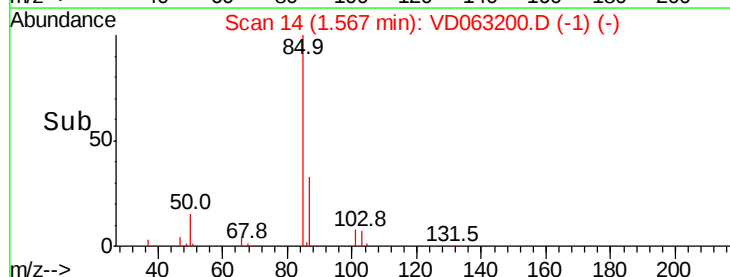
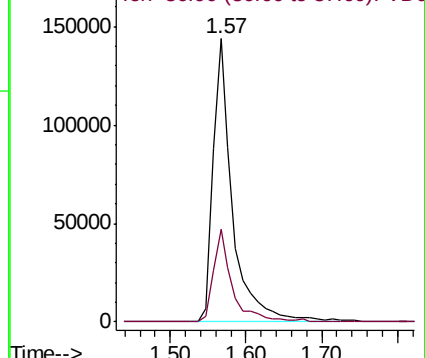
85 100

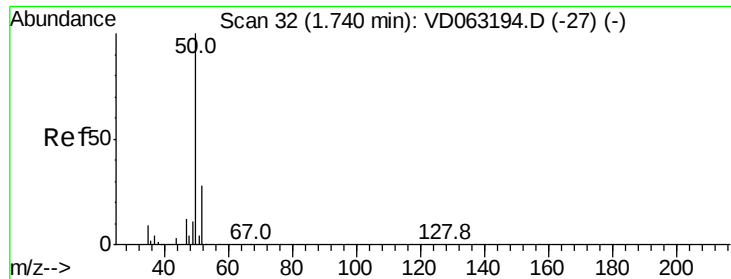
87 32.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.297 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

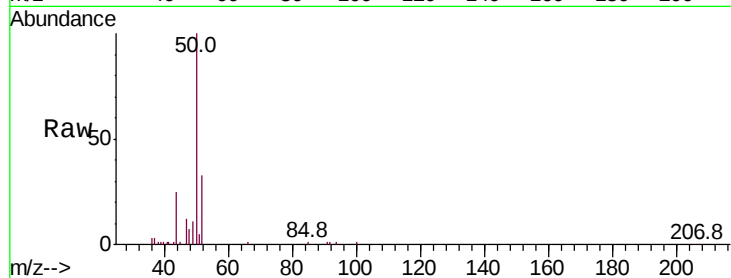
VD0729SBS01

Tot Ion: 50 Resp: 194846

Ion Ratio Lower Upper

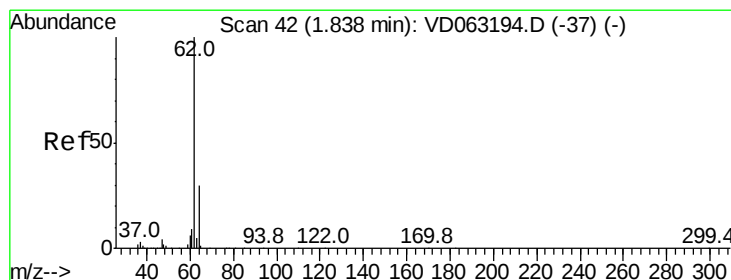
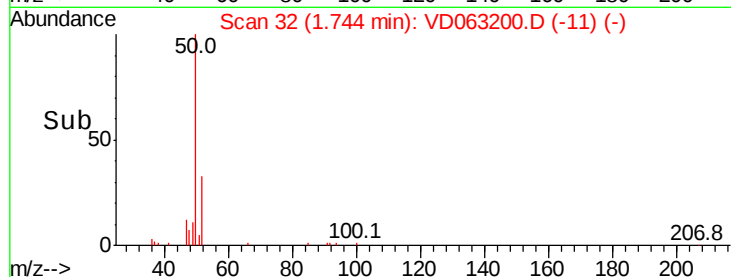
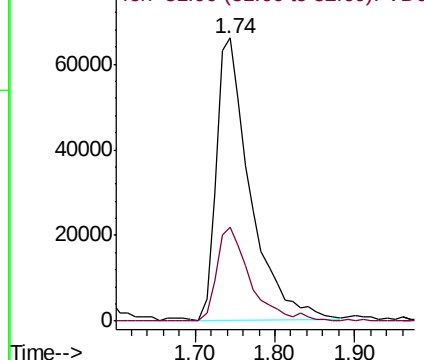
50 100

52 33.1 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.412 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063200.D

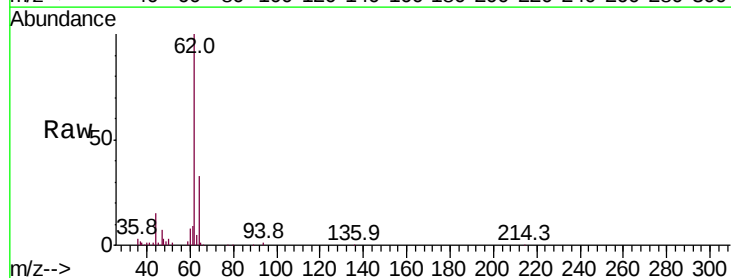
Acq: 29 Jul 2019 15:45

Tgt Ion: 62 Resp: 191945

Ion Ratio Lower Upper

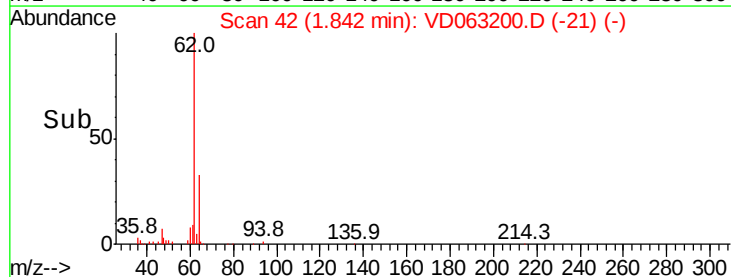
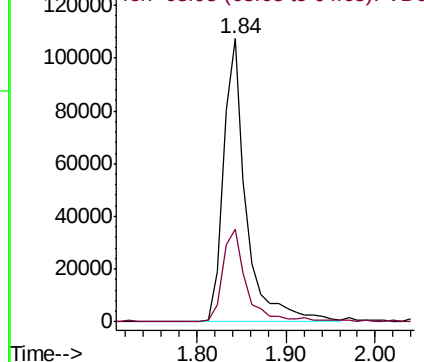
62 100

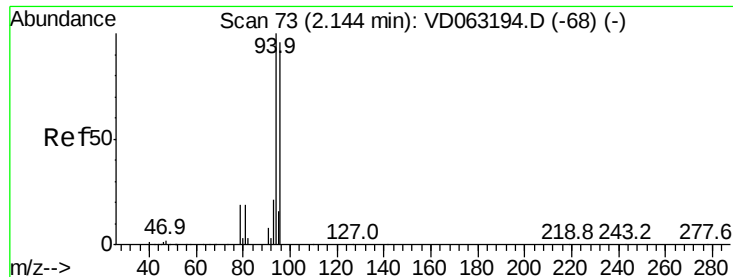
64 32.6 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.233 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

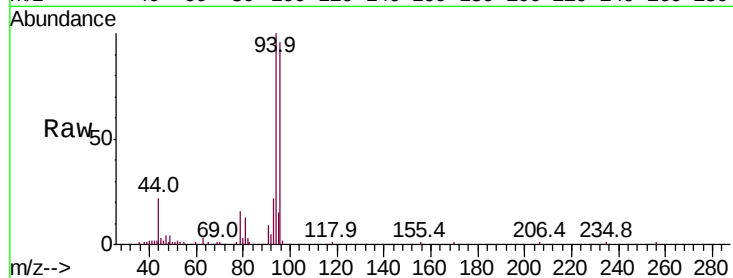
Tot Ion: 94 Resp: 84692

Ion Ratio Lower Upper

94 100

96 95.8 76.4 114.6

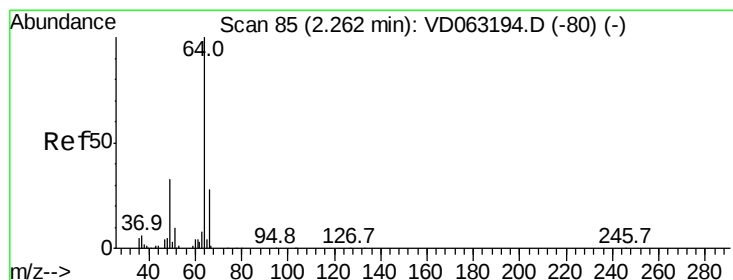
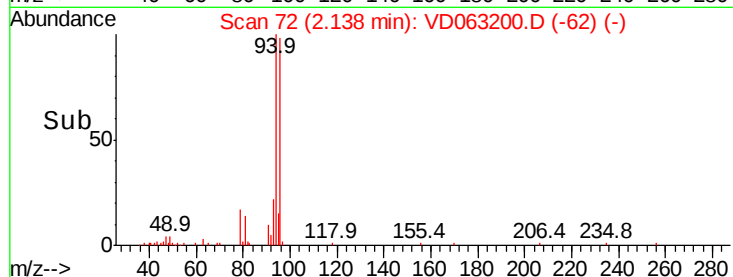
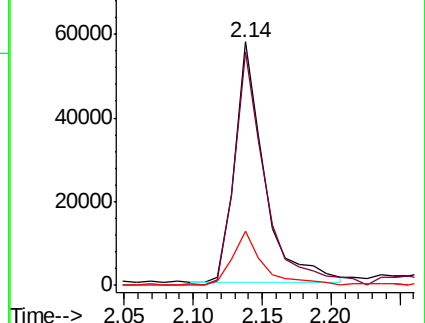
93 22.1 17.3 25.9



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: 17.381 ug/l

RT: 2.25 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063200.D

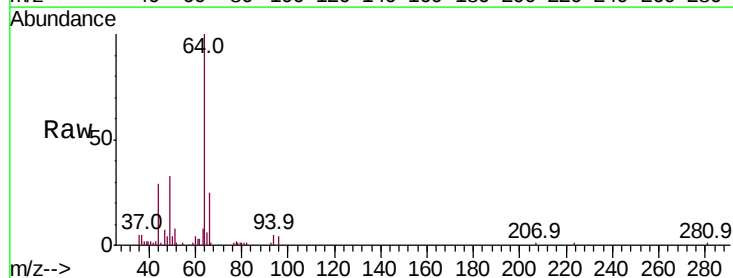
Acq: 29 Jul 2019 15:45

Tgt Ion: 64 Resp: 88464

Ion Ratio Lower Upper

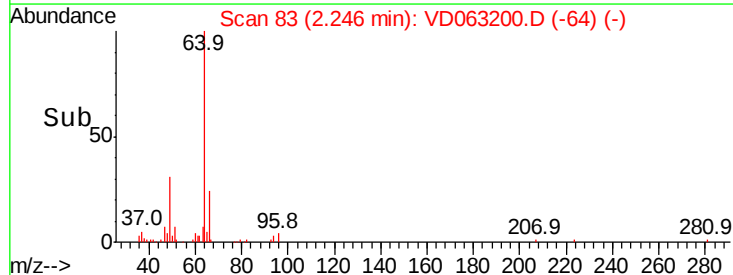
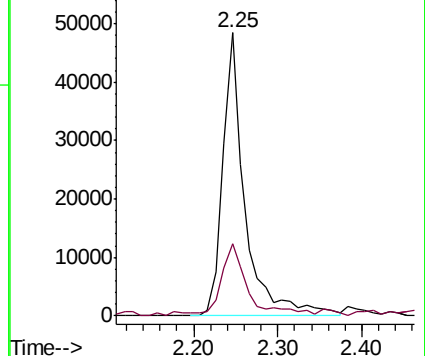
64 100

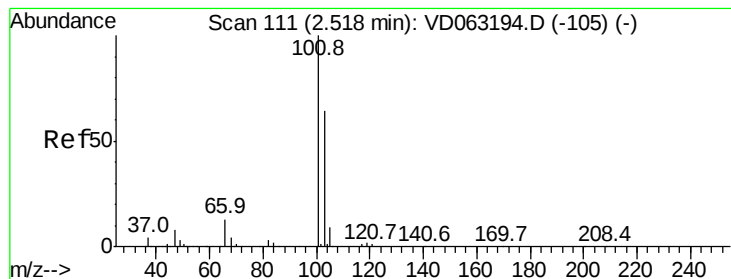
66 25.4 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



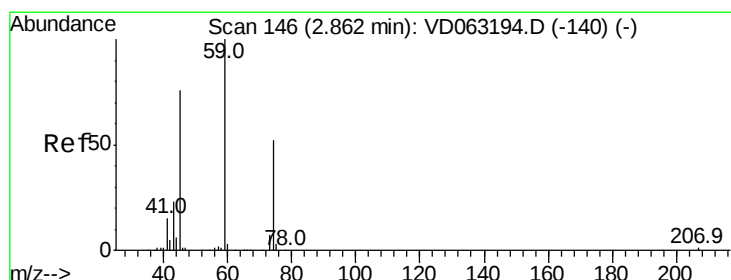
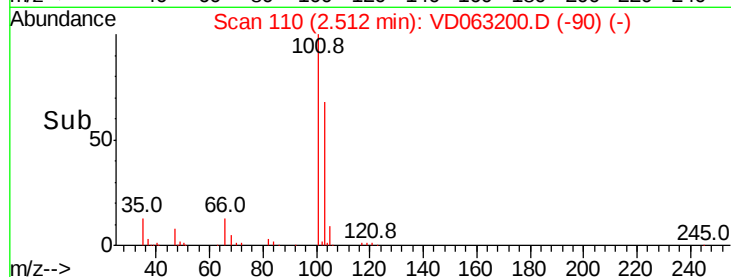
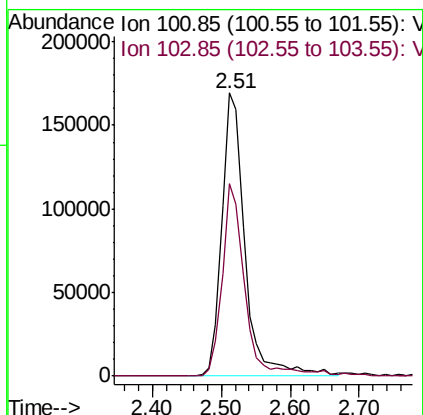
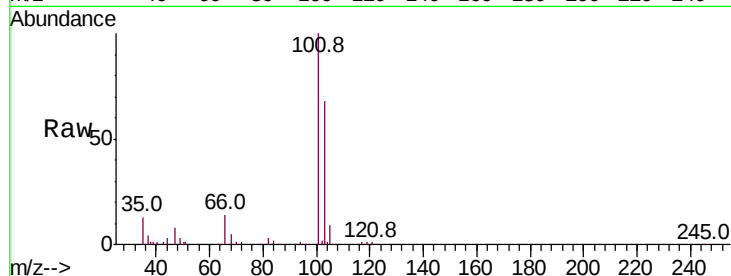


#7

Trichlorofluoromethane
 Concen: 18.461 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.01 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

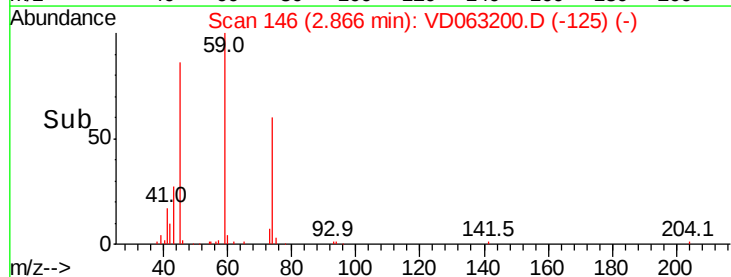
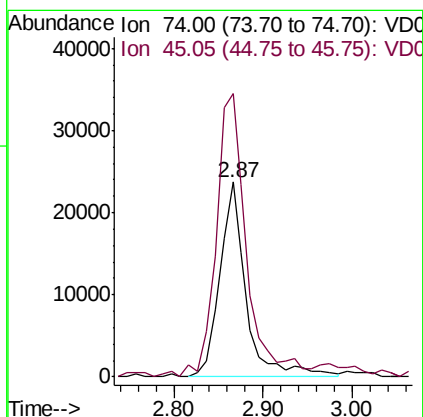
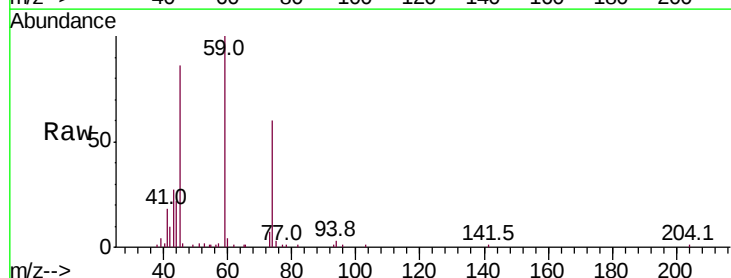
Tot Ion:101 Resp: 394810
 Ion Ratio Lower Upper
 101 100
 103 67.9 51.5 77.3

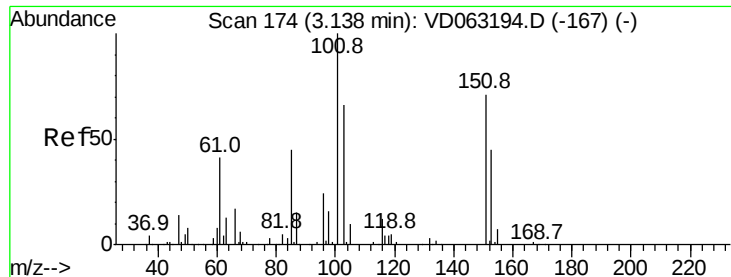


#8

Diethyl Ether
 Concen: 16.458 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion: 74 Resp: 49259
 Ion Ratio Lower Upper
 74 100
 45 145.2 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.526 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD01

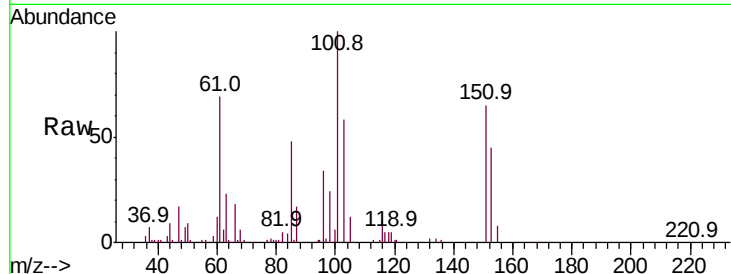
Tot Ion:101 Resp: 195782

Ion Ratio Lower Upper

101 100

85 47.5 36.1 54.1

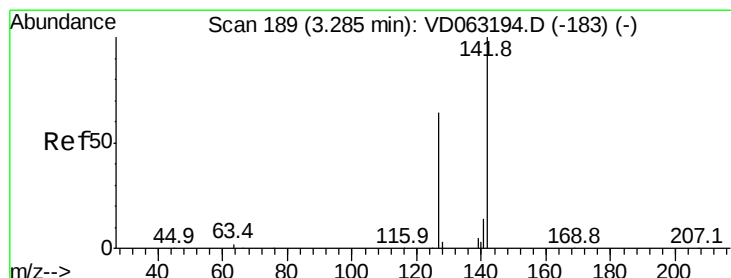
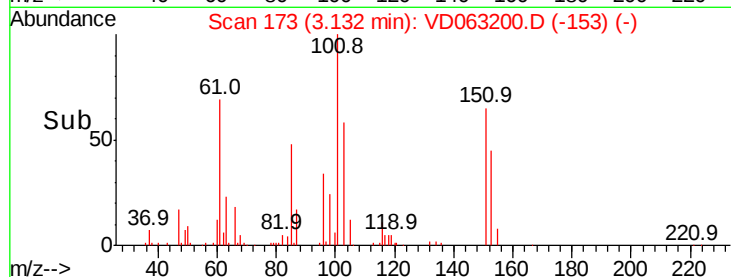
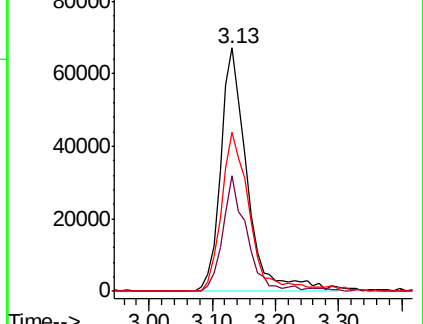
151 65.3 57.1 85.7



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: 17.756 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

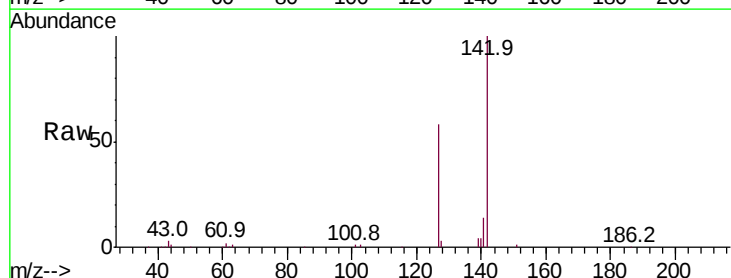
Tgt Ion:142 Resp: 303876

Ion Ratio Lower Upper

142 100

127 57.6 50.8 76.2

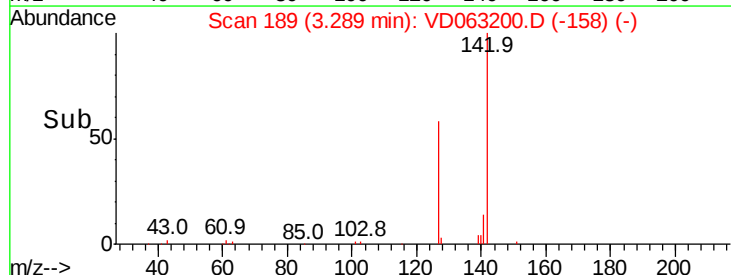
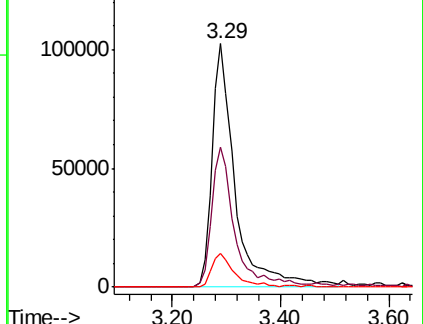
141 13.6 11.4 17.2

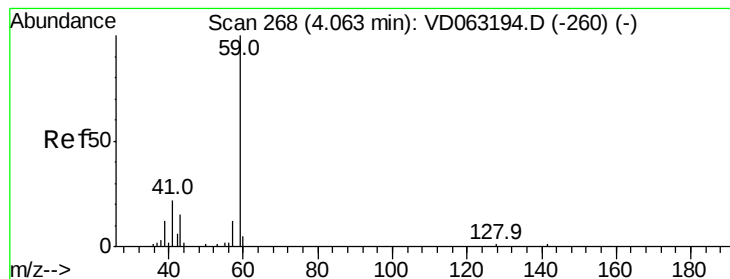


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



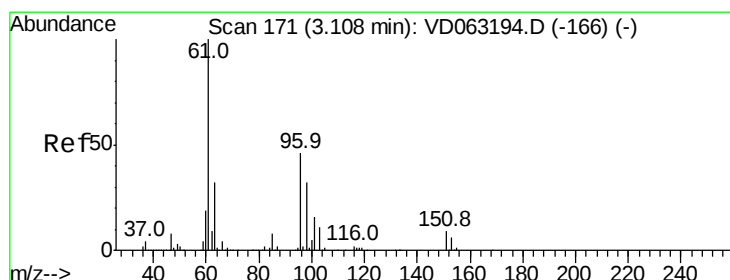
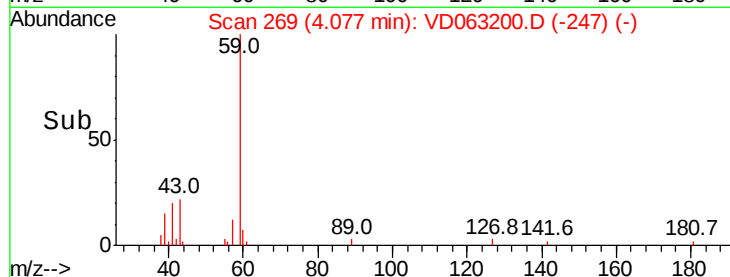
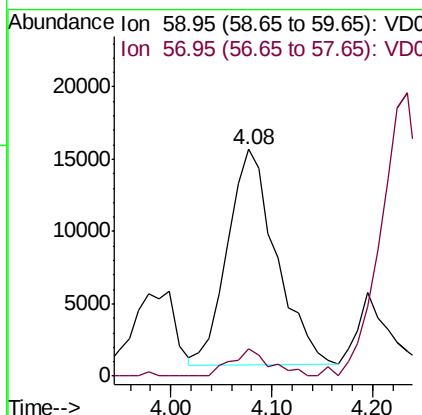
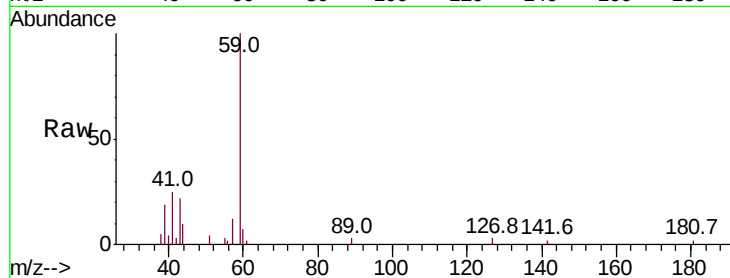


#11

Tert butyl alcohol
 Concen: 91.384 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

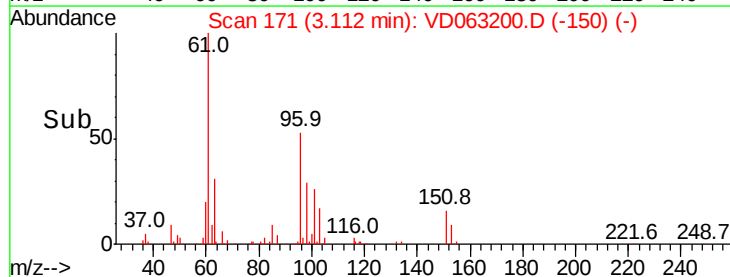
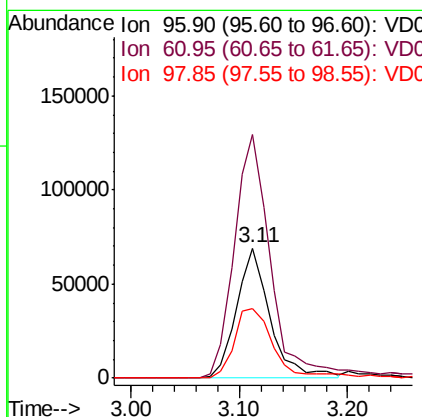
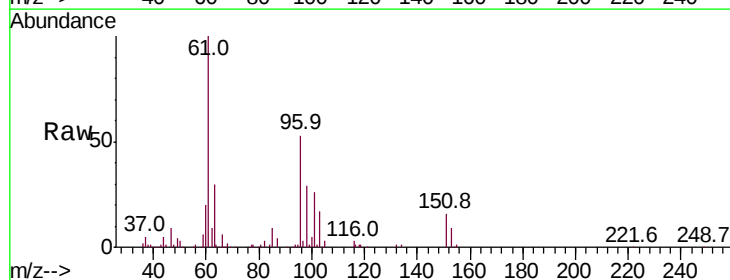
Tot Ion: 59 Resp: 49895
 Ion Ratio Lower Upper
 59 100
 57 12.0 9.6 14.4

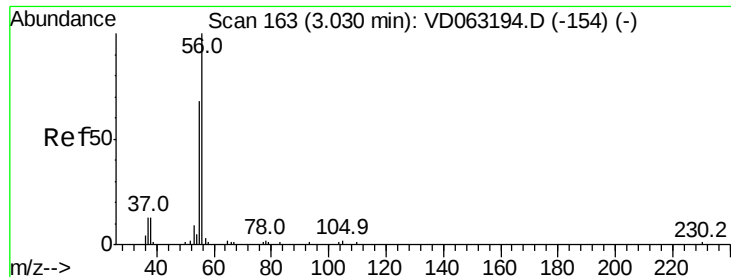


#12

1,1-Dichloroethene
 Concen: 17.169 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion: 96 Resp: 149321
 Ion Ratio Lower Upper
 96 100
 61 187.5 173.7 260.5
 98 53.9 55.8 83.8#





#13

Acrolein

Concen: 97.599 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

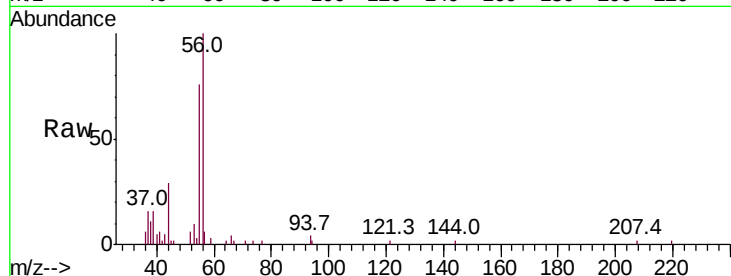
VD0729SBS01

Tot Ion: 56 Resp: 51285

Ion Ratio Lower Upper

56 100

55 75.8 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

20000

15000

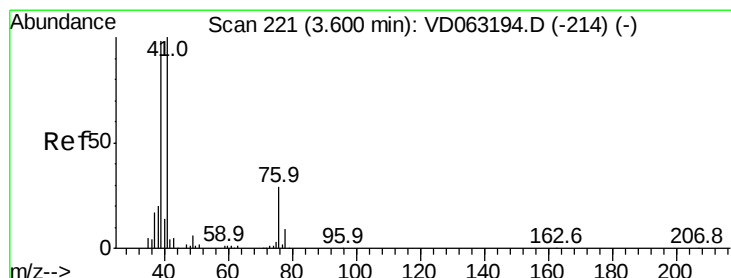
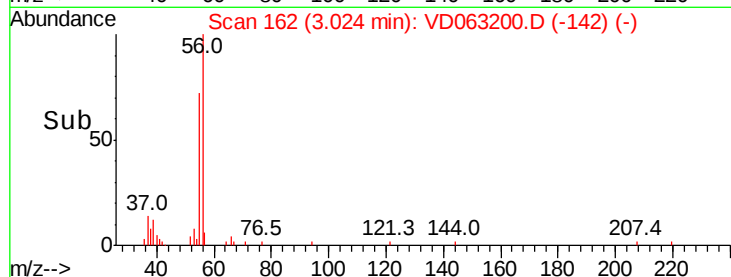
10000

5000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 18.130 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

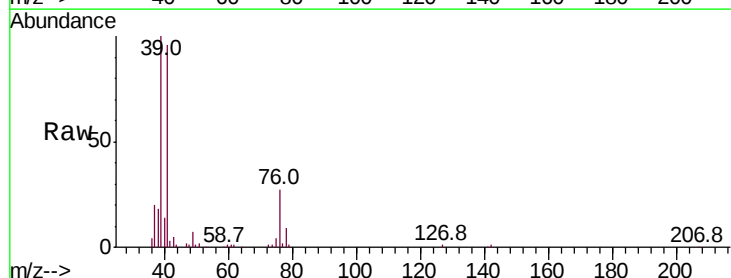
Tgt Ion: 41 Resp: 251186

Ion Ratio Lower Upper

41 100

39 104.6 78.6 117.8

76 28.0 24.5 36.7



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

3.60

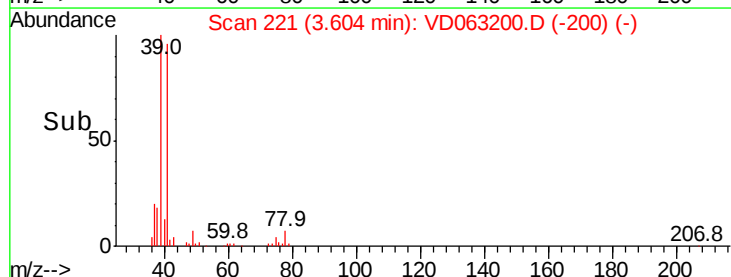
100000

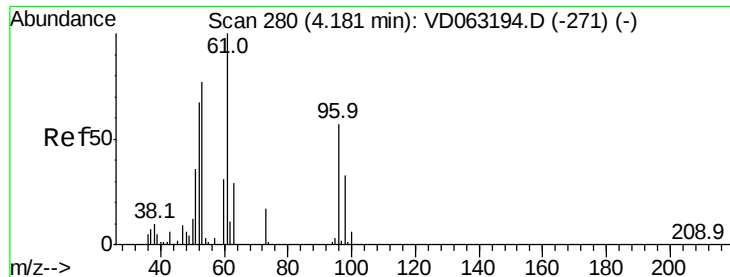
50000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 87.464 ug/l

RT: 4.19 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

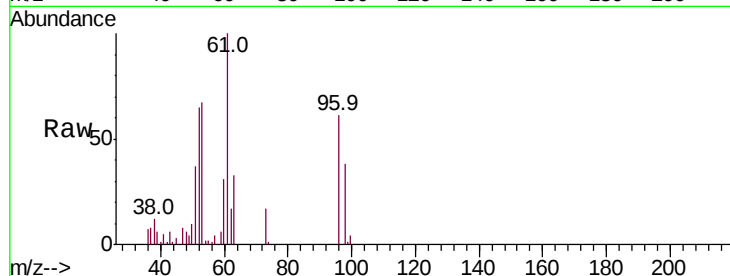
Tot Ion: 53 Resp: 123809

Ion Ratio Lower Upper

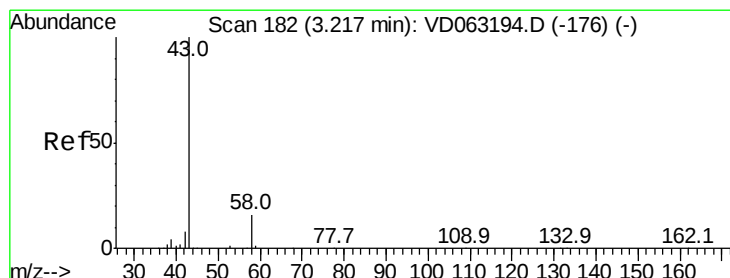
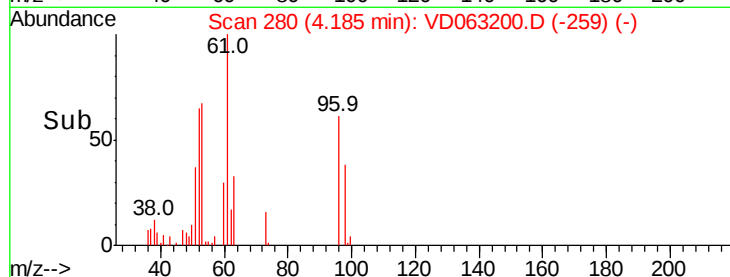
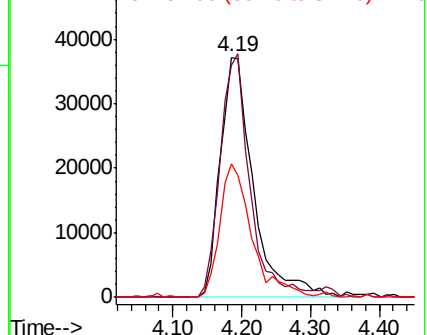
53 100

52 96.7 69.7 104.5

51 55.5 37.4 56.0



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: 92.224 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063200.D

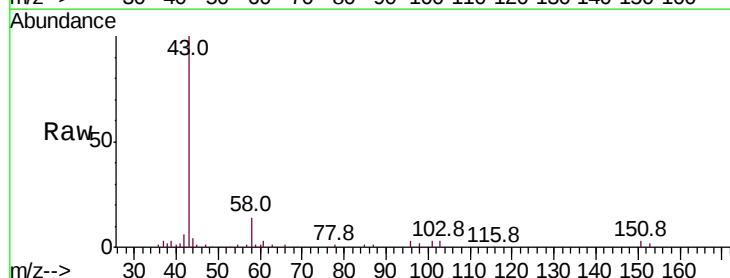
Acq: 29 Jul 2019 15:45

Tgt Ion: 43 Resp: 223559

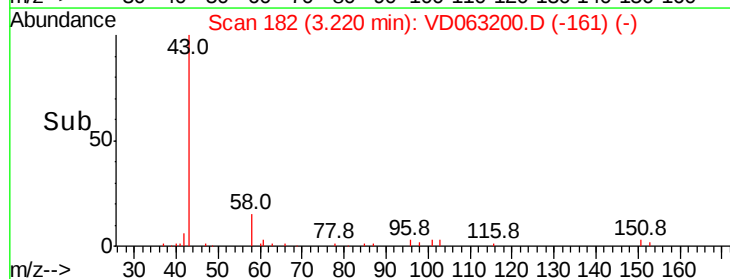
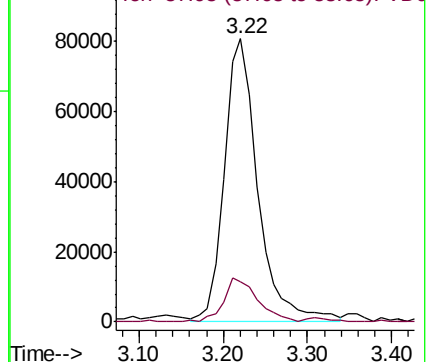
Ion Ratio Lower Upper

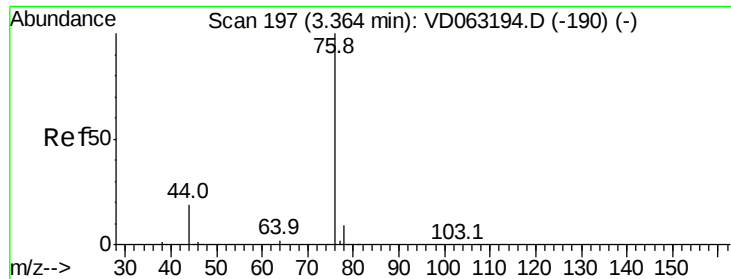
43 100

58 14.3 13.0 19.4



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

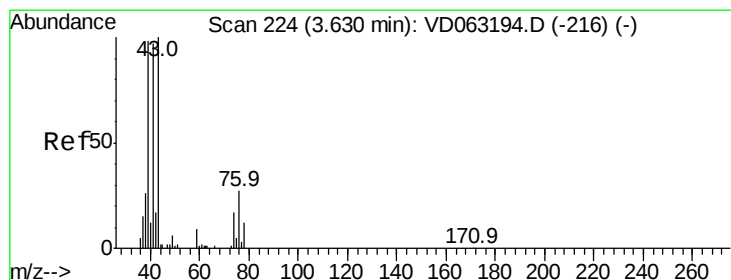
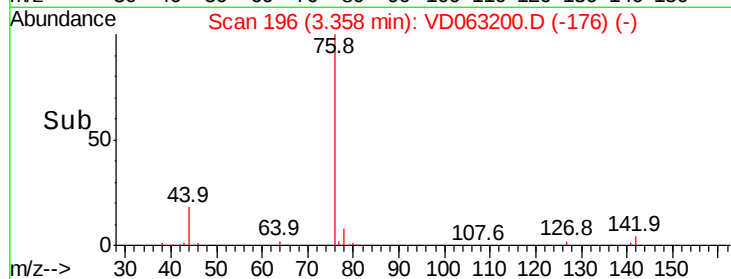
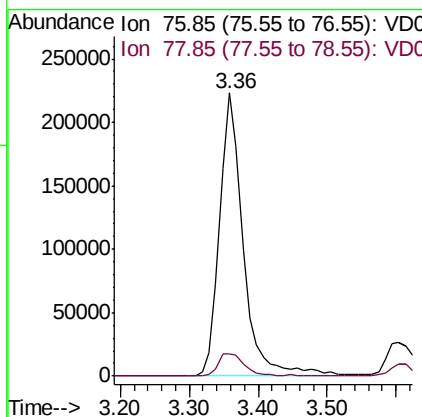
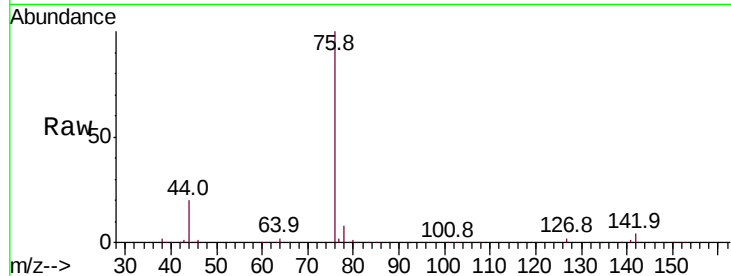




#17
Carbon Disulfide
Concen: 18.331 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

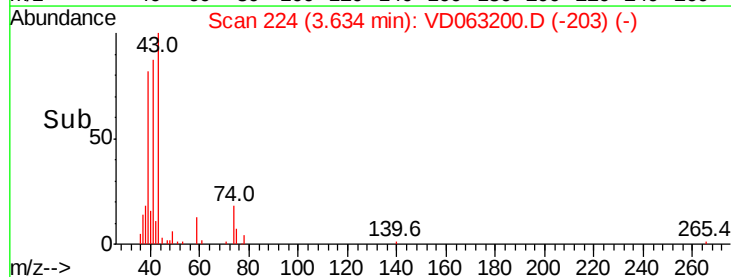
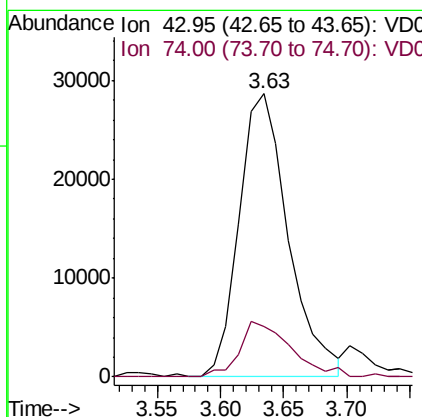
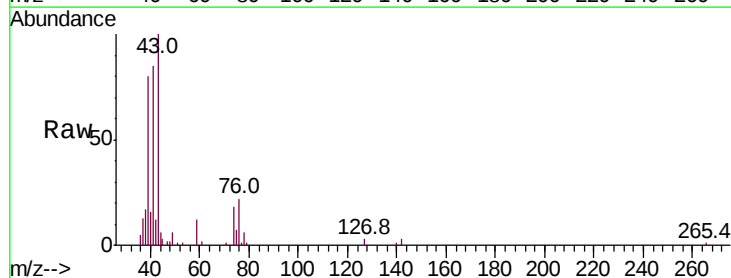
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

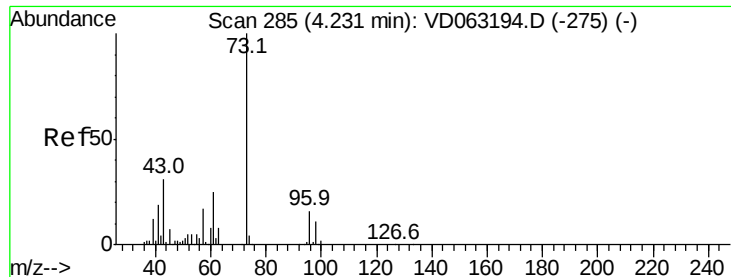
Tot Ion: 76 Resp: 533621
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.2



#18
Methyl Acetate
Concen: 16.688 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 43 Resp: 77703
Ion Ratio Lower Upper
43 100
74 17.9 13.8 20.8

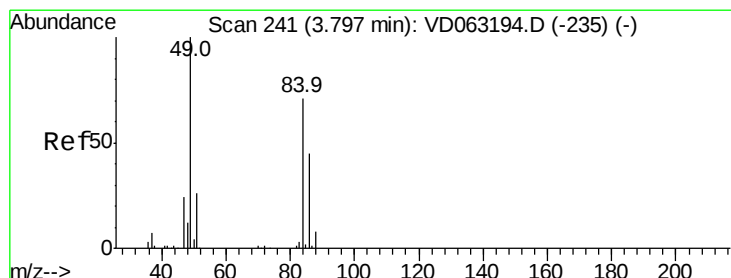
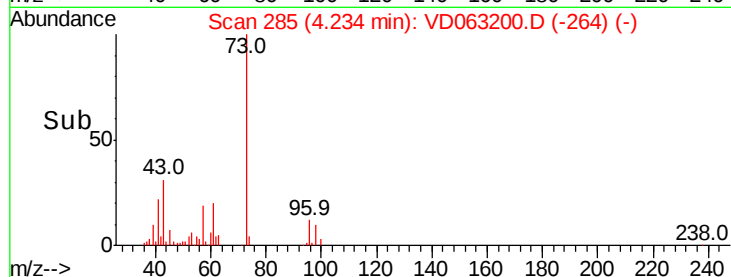
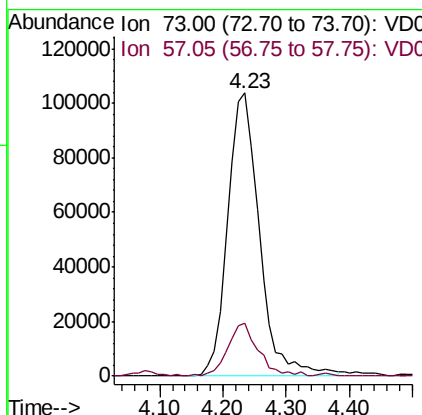
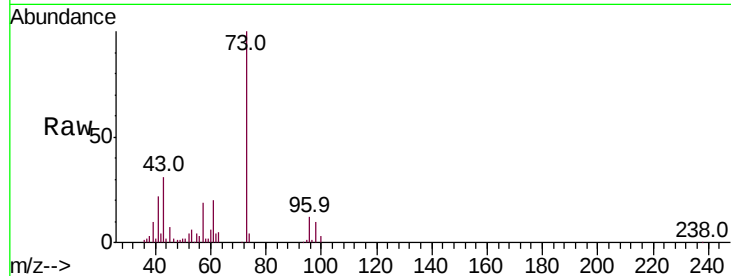




#19
Methyl tert-butyl Ether
Concen: 18.414 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

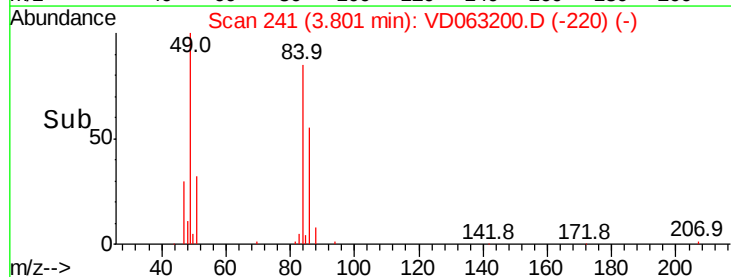
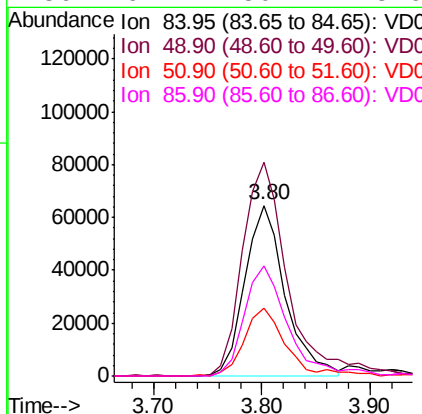
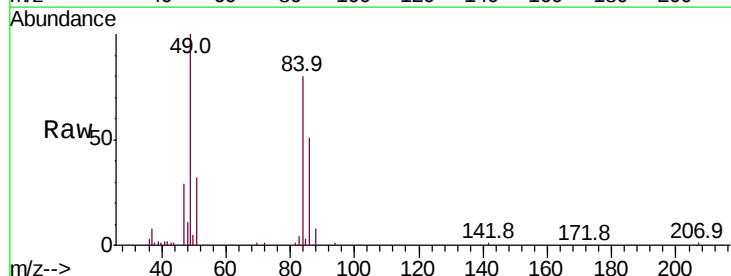
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

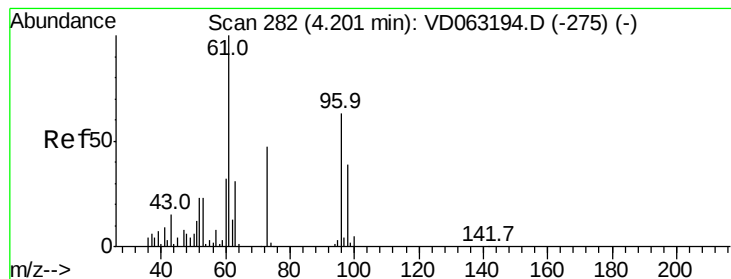
Tot Ion: 73 Resp: 361755
Ion Ratio Lower Upper
73 100
57 18.9 13.8 20.6



#20
Methylene Chloride
Concen: 17.132 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 84 Resp: 167868
Ion Ratio Lower Upper
84 100
49 125.1 112.5 168.7
51 39.9 29.6 44.4
86 64.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 18.707 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD01

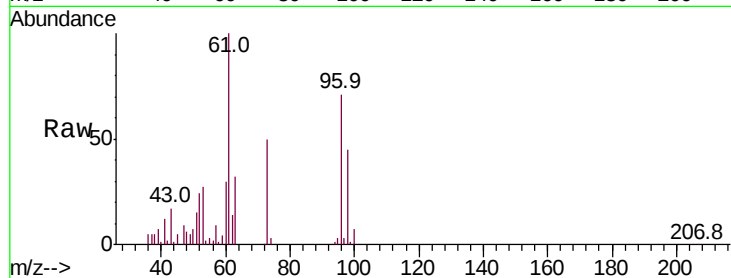
Tot Ion: 96 Resp: 182552

Ion Ratio Lower Upper

96 100

61 140.9 127.4 191.2

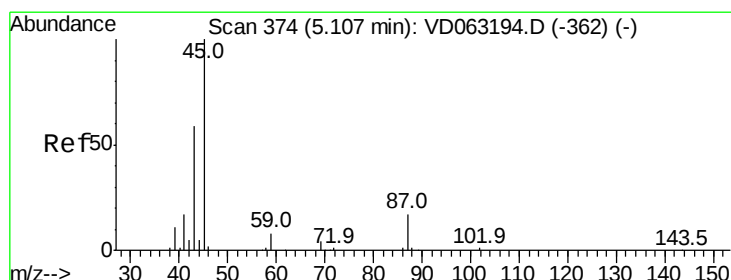
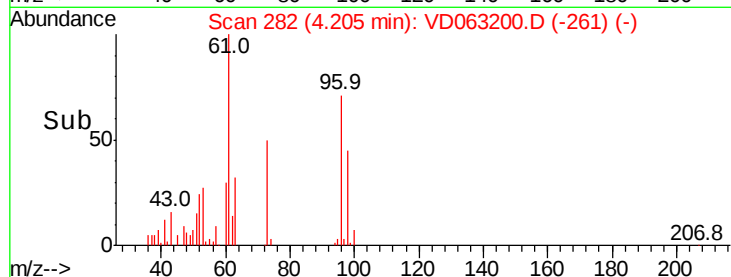
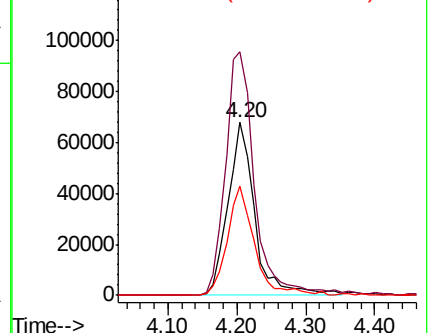
98 63.3 49.3 73.9



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: 18.168 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Tgt Ion: 45 Resp: 502897

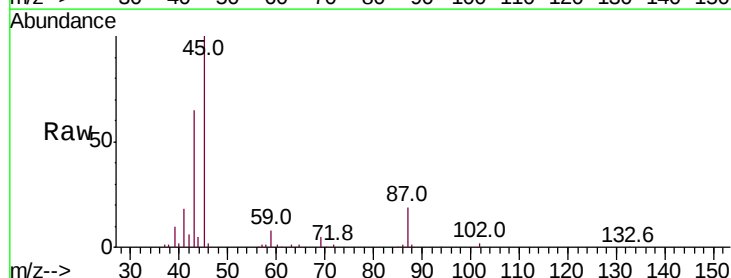
Ion Ratio Lower Upper

45 100

43 65.4 51.7 77.5

87 19.0 14.6 21.8

59 8.4 6.6 10.0

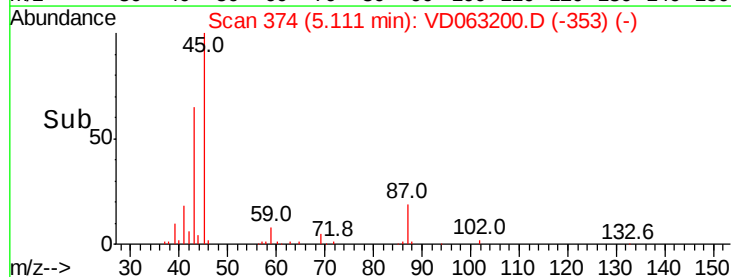
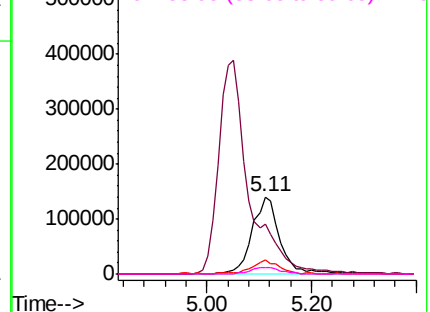


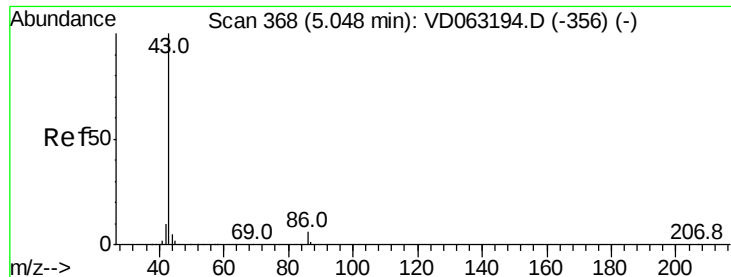
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 91.063 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

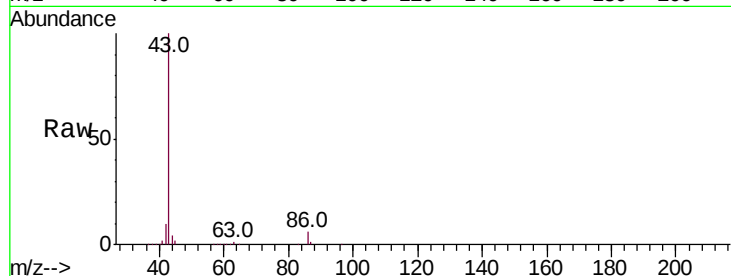
VD0729SBS01

Tot Ion: 43 Resp: 1549437

Ion Ratio Lower Upper

43 100

86 6.4 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

400000

300000

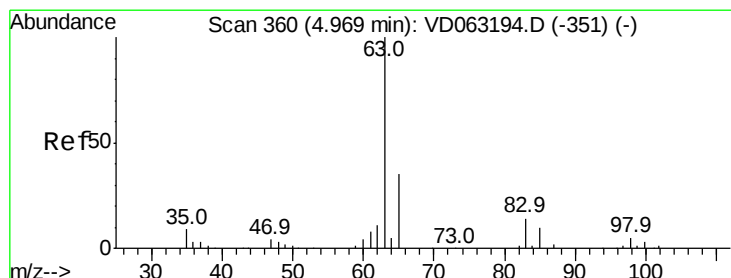
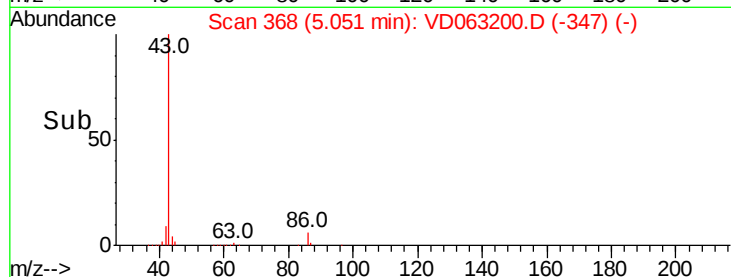
200000

100000

0

4.90 5.00 5.10 5.20

Time-->



#24

1,1-Dichloroethane

Concen: 18.680 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

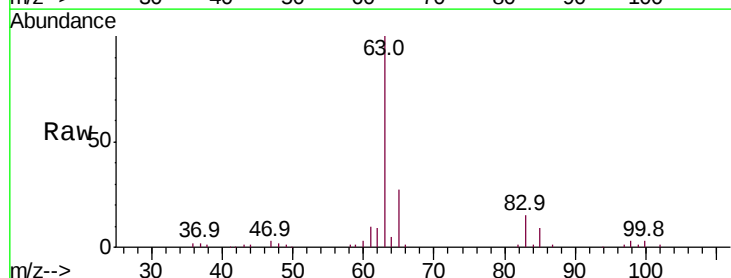
Tgt Ion: 63 Resp: 330272

Ion Ratio Lower Upper

63 100

98 3.5 2.8 8.4

100 2.7 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

120000

100000

80000

60000

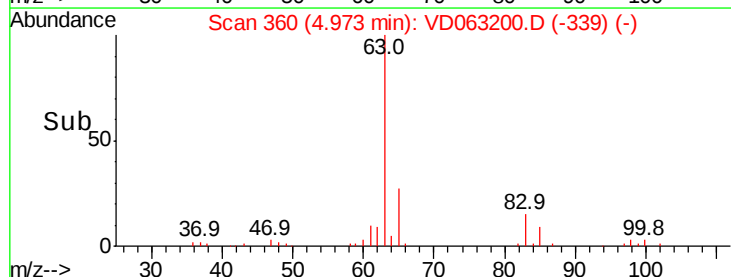
40000

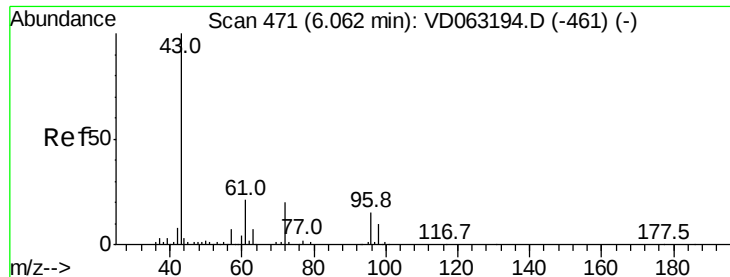
20000

0

4.80 4.90 5.00 5.10

Time-->





#25

2-Butanone

Concen: 92.526 ug/l

RT: 6.07 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

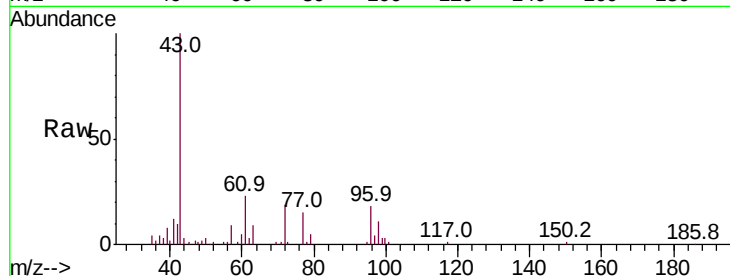
VD0729SBS01

Tot Ion: 43 Resp: 225095

Ion Ratio Lower Upper

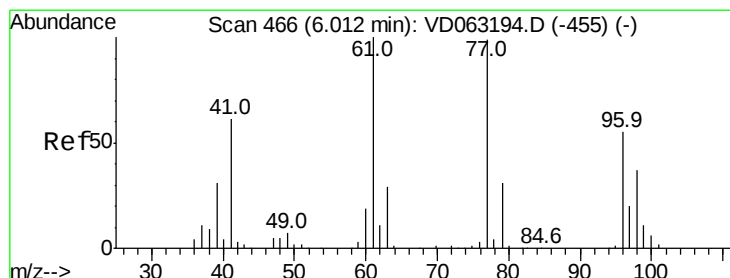
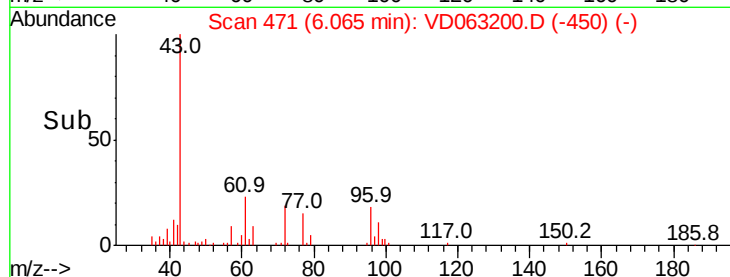
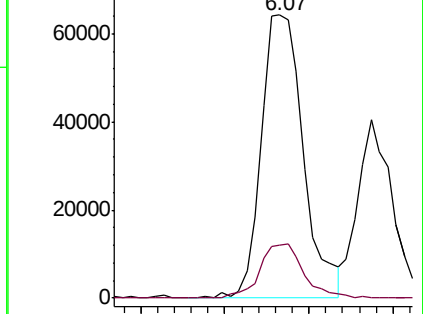
43 100

72 18.5 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.214 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063200.D

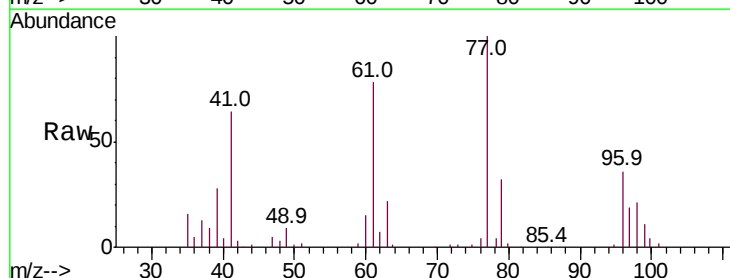
Acq: 29 Jul 2019 15:45

Tgt Ion: 77 Resp: 350084

Ion Ratio Lower Upper

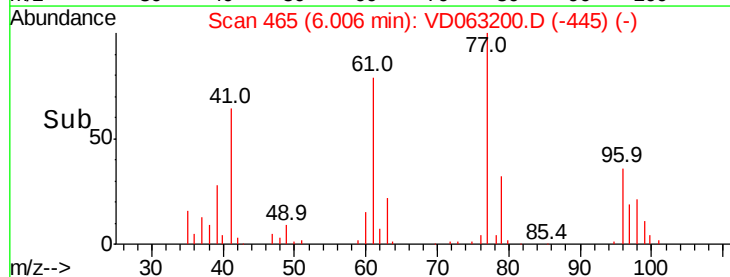
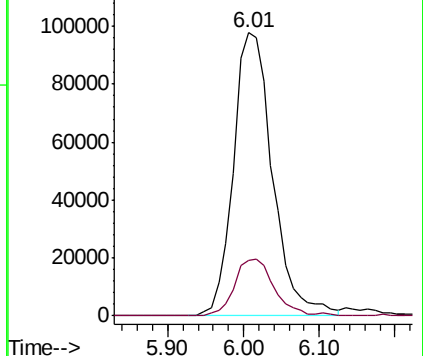
77 100

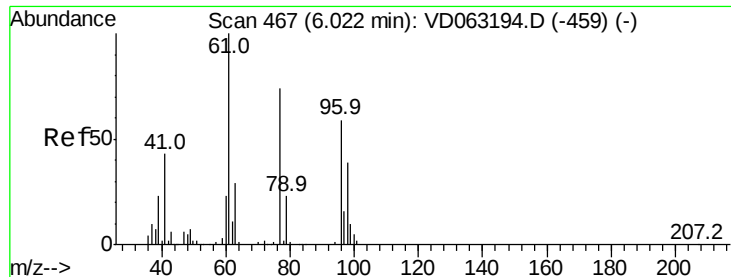
97 19.4 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



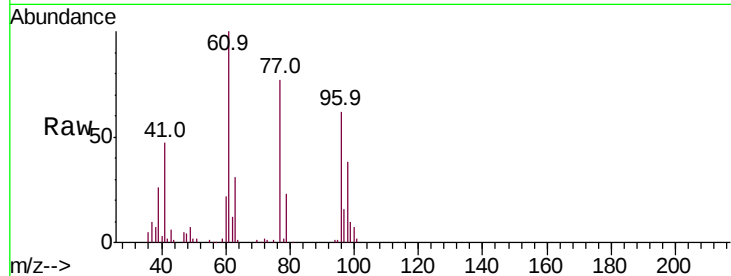


#27

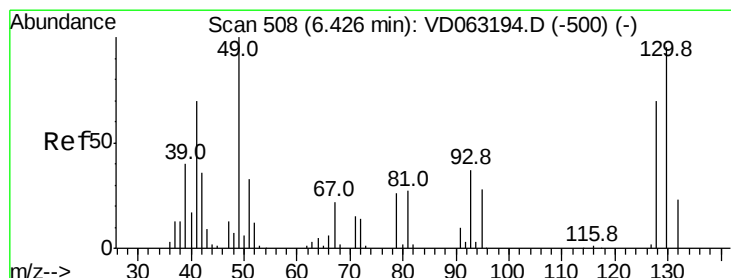
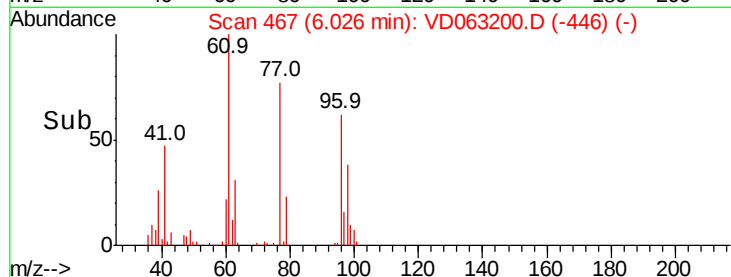
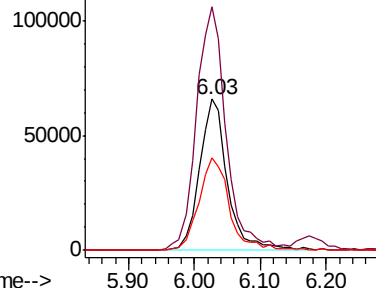
cis-1,2-Dichloroethene
Concen: 18.672 ug/l
RT: 6.03 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	337.2
98	61.0	0.0	130.6



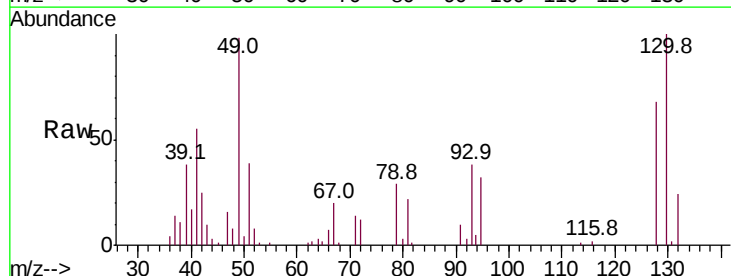
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



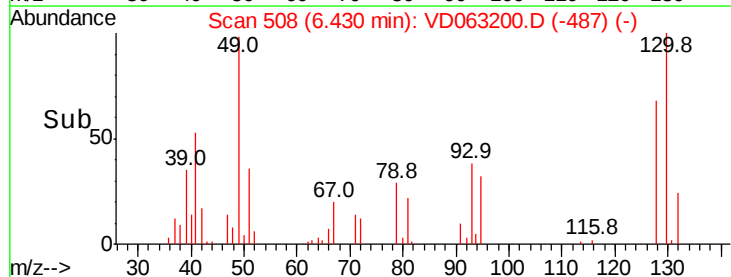
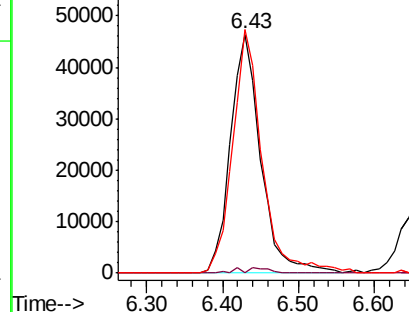
#28

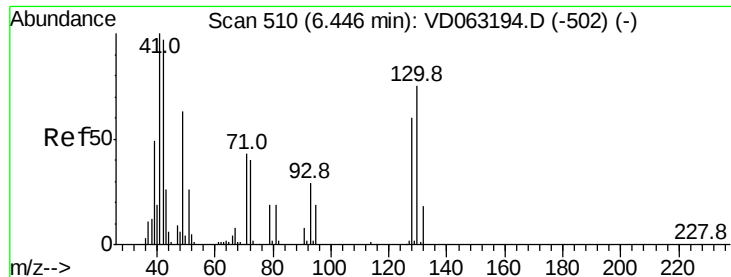
Bromochloromethane
Concen: 18.164 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	102.0	75.7	113.5



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

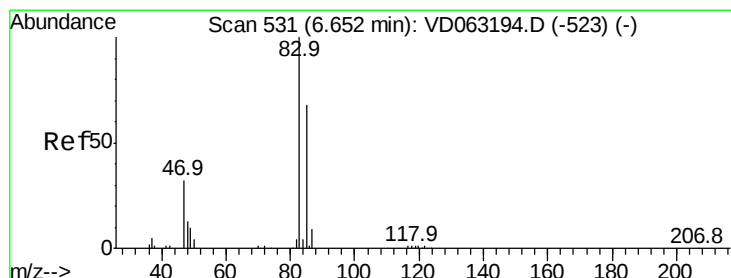
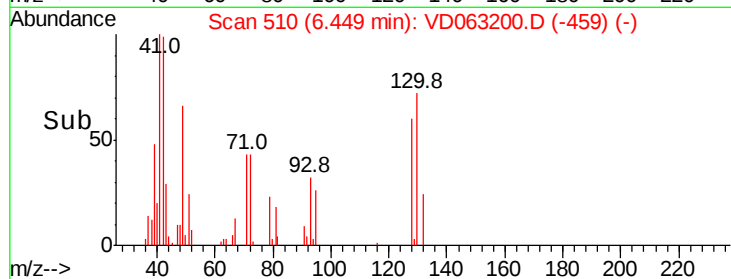
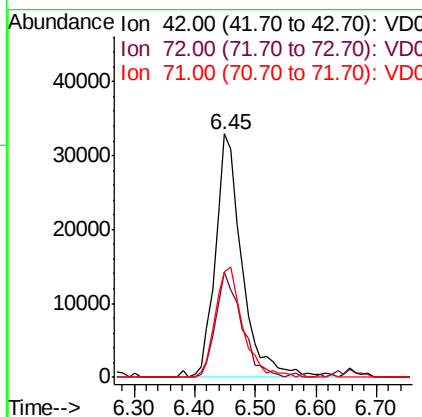
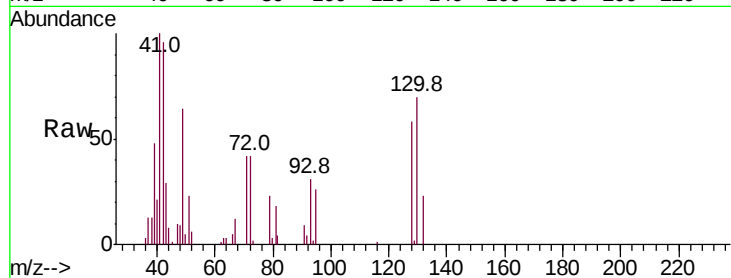




#29
Tetrahydrofuran
Concen: 87.509 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

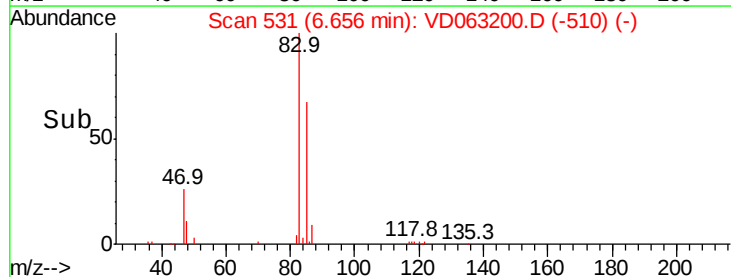
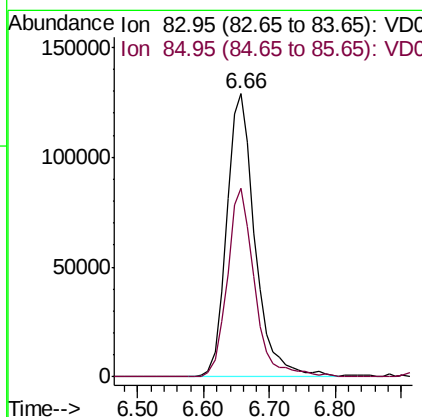
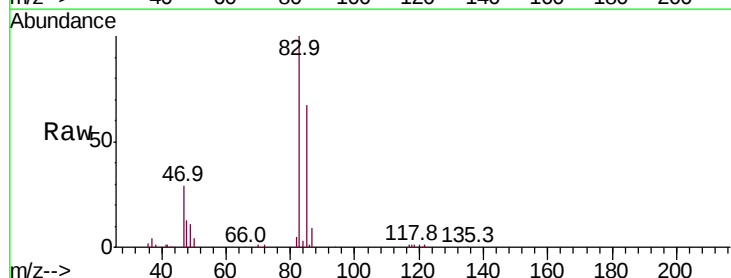
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

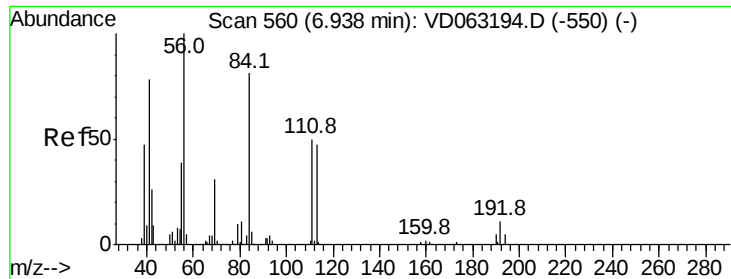
Tot Ion: 42 Resp: 100793
Ion Ratio Lower Upper
42 100
72 42.0 33.4 50.2
71 46.3 35.7 53.5



#30
Chloroform
Concen: 17.678 ug/l
RT: 6.66 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 83 Resp: 387894
Ion Ratio Lower Upper
83 100
85 66.7 54.2 81.4





#31

Cyclohexane

Concen: 17.628 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

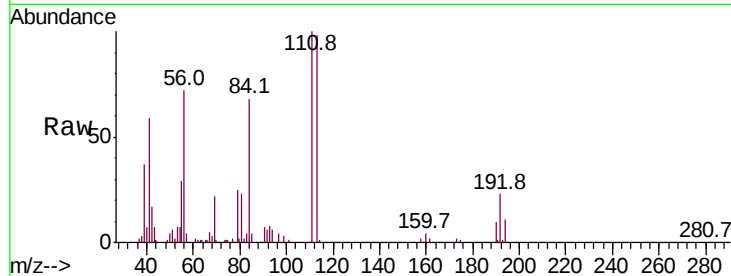
Tot Ion: 56 Resp: 195363

Ion Ratio Lower Upper

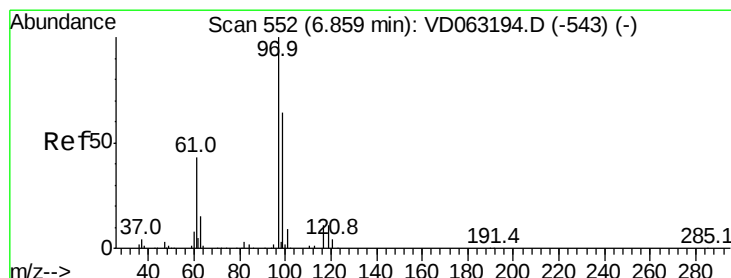
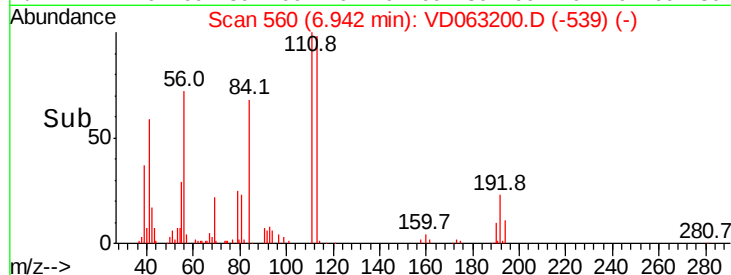
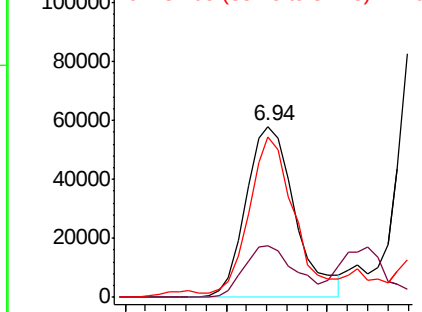
56 100

69 30.3 24.5 36.7

84 93.9 64.9 97.3



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: 17.300 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

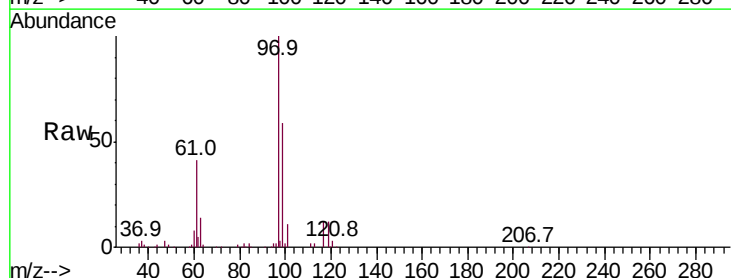
Tgt Ion: 97 Resp: 367172

Ion Ratio Lower Upper

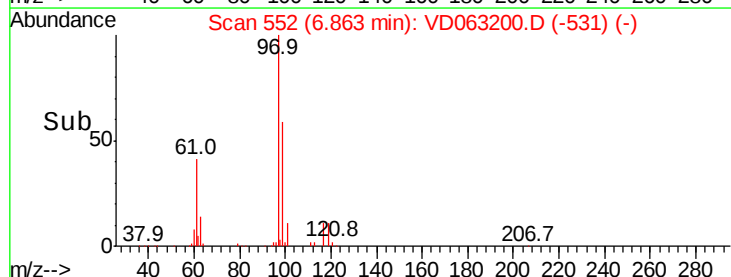
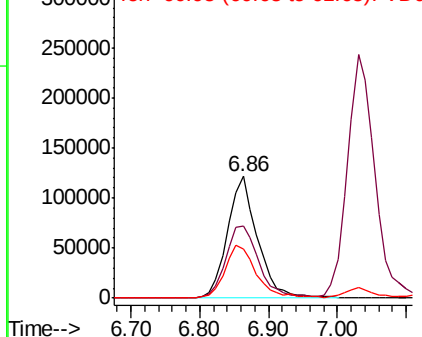
97 100

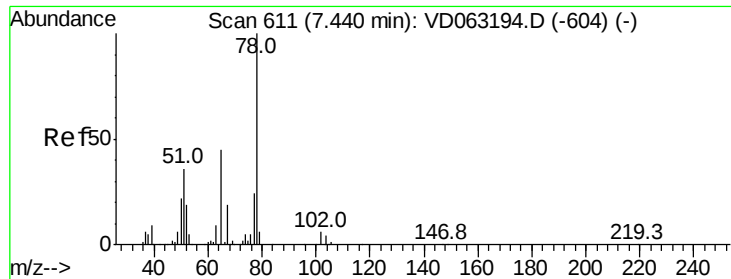
99 59.2 51.2 76.8

61 40.7 34.2 51.2



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

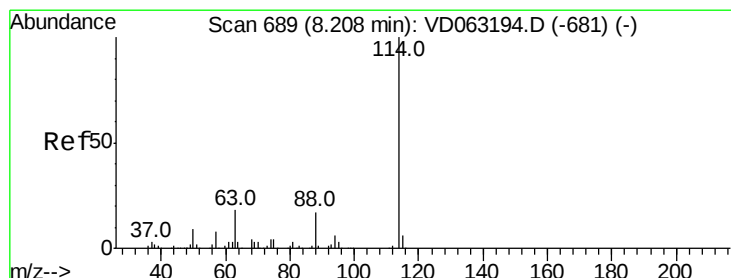
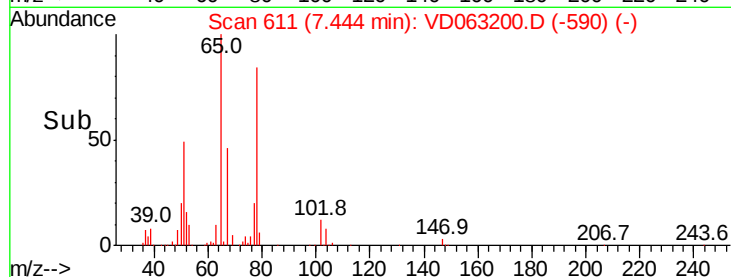
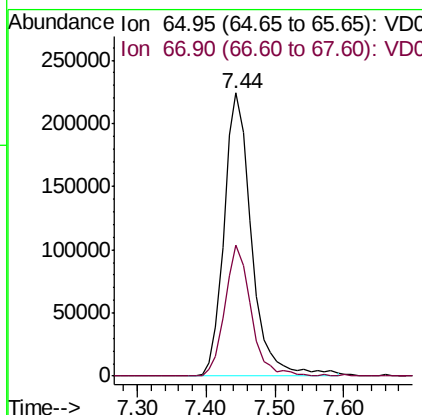
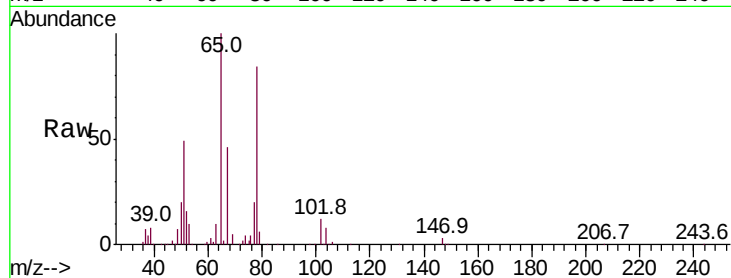




#33
 1,2-Dichloroethane-d4
 Concen: 49.742 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

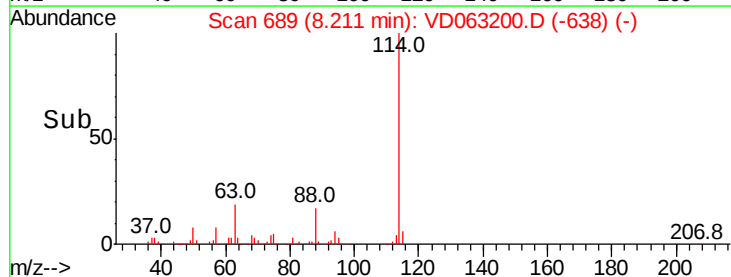
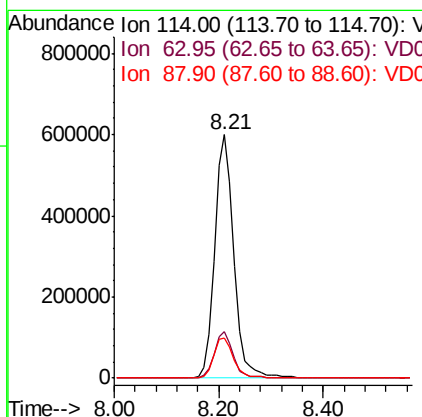
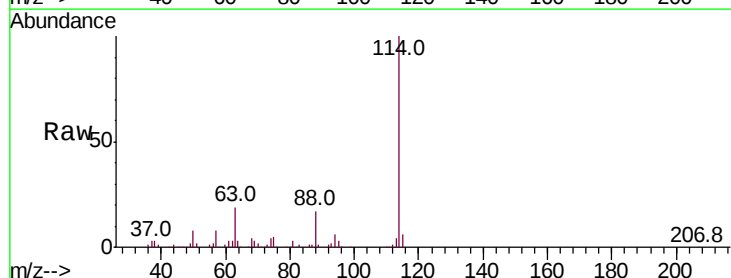
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD01

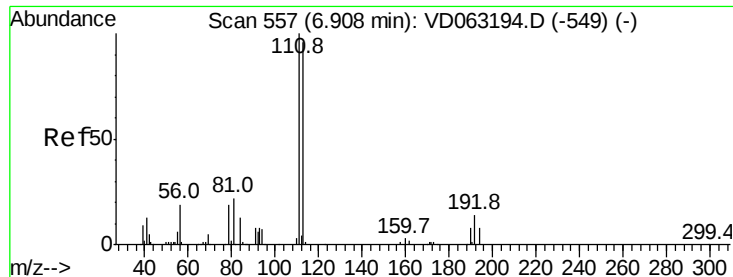
Tot Ion: 65 Resp: 618866
 Ion Ratio Lower Upper
 65 100
 67 46.1 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion: 114 Resp: 1523624
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 35.2
 88 16.6 0.0 34.6





#35

Dibromofluoromethane

Concen: 50.725 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD01

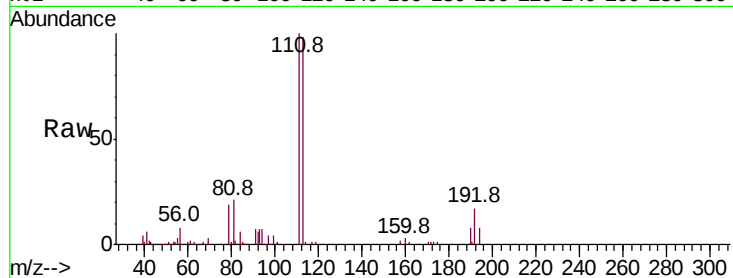
Tot Ion:113 Resp: 659859

Ion Ratio Lower Upper

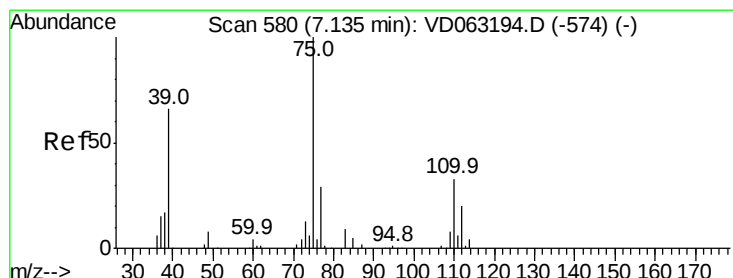
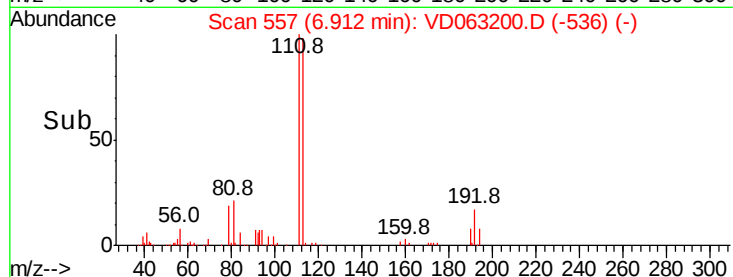
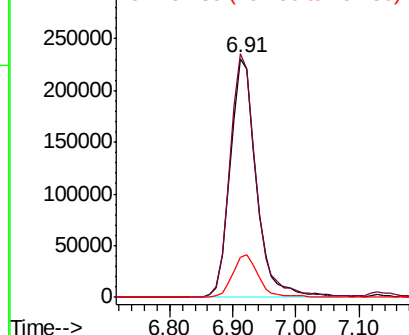
113 100

111 101.9 83.2 124.8

192 16.9 11.8 17.8



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: 16.944 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

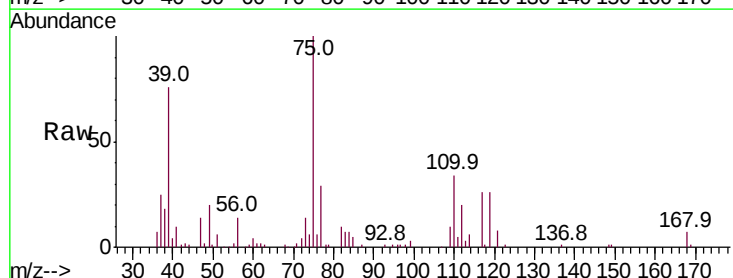
Tgt Ion: 75 Resp: 235608

Ion Ratio Lower Upper

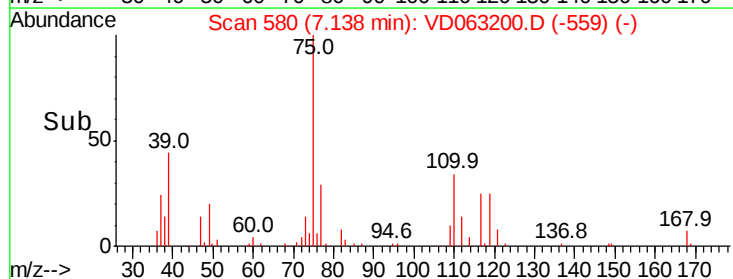
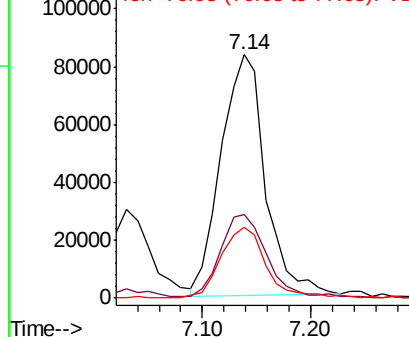
75 100

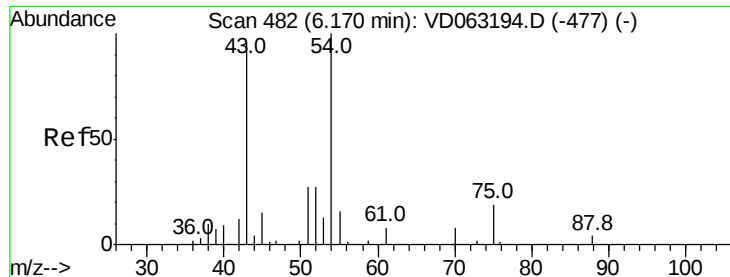
110 34.3 16.1 48.2

77 29.3 22.7 34.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

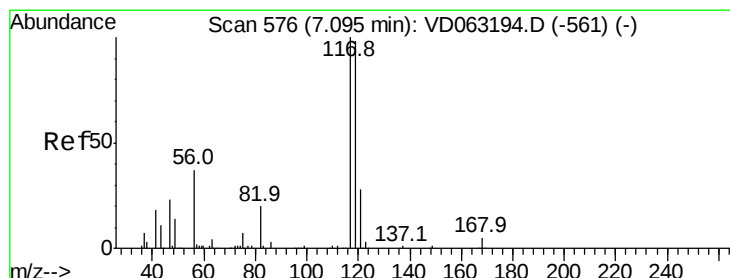
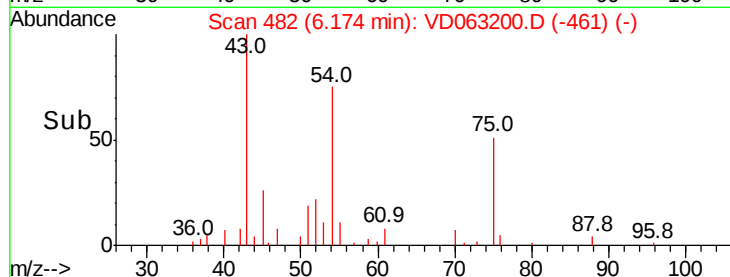
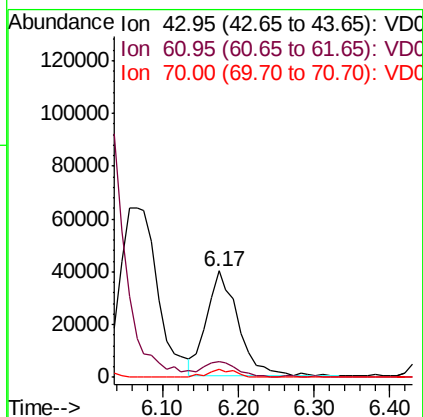
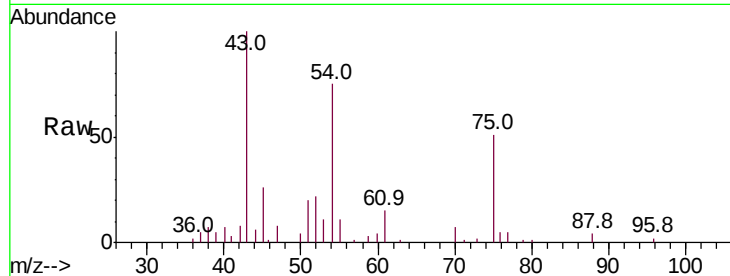




#37
Ethyl Acetate
Concen: 18.653 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

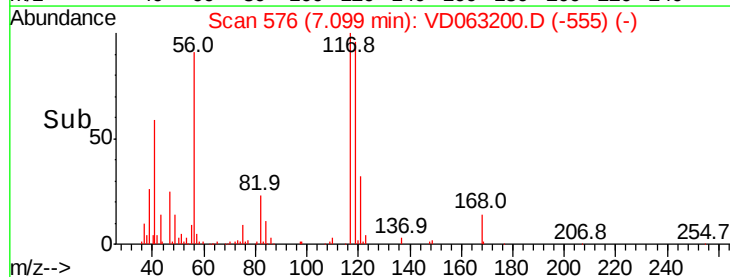
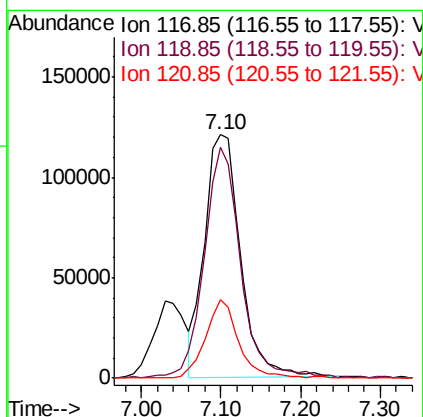
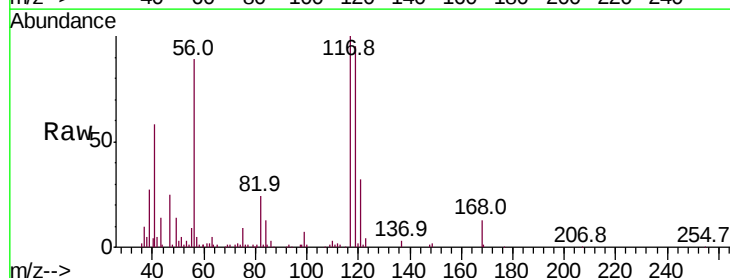
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

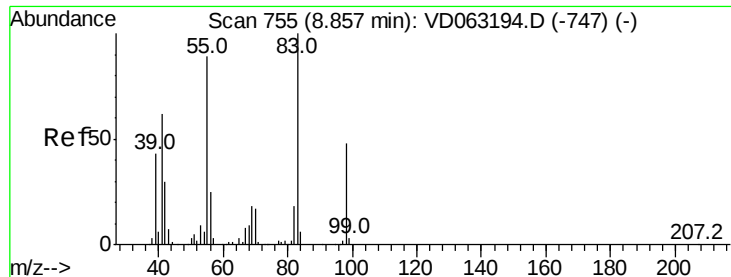
Tot Ion: 43 Resp: 116523
Ion Ratio Lower Upper
43 100
61 15.0 11.3 16.9
70 7.4 5.1 7.7



#38
Carbon Tetrachloride
Concen: 18.293 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 117 Resp: 382943
Ion Ratio Lower Upper
117 100
119 95.0 78.2 117.2
121 32.1 22.1 33.1

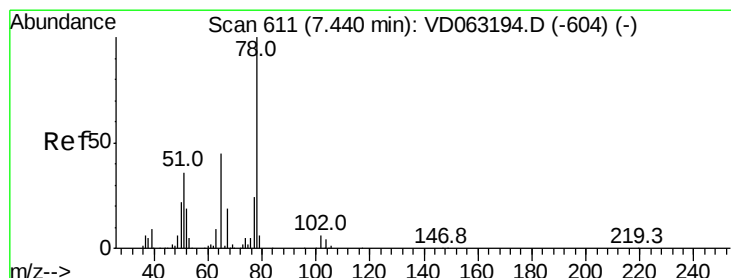
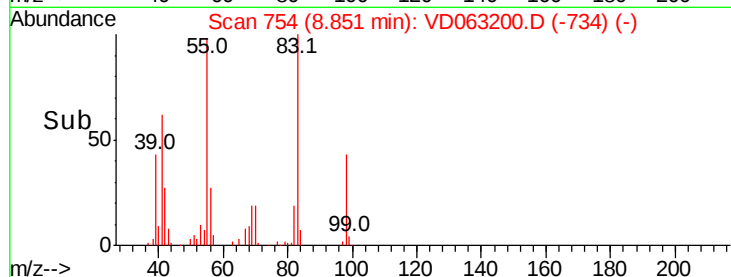
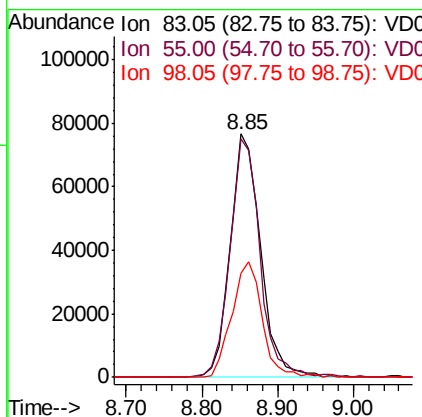
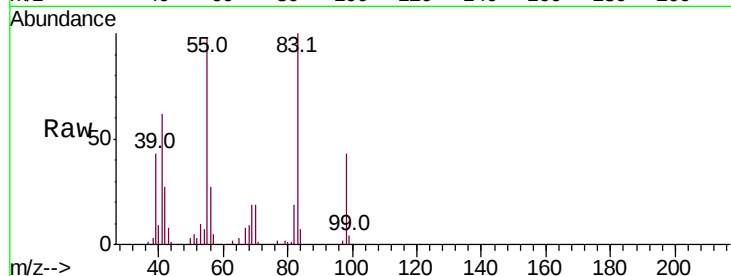




#39
Methvlcvclohexane
Concen: 18.273 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

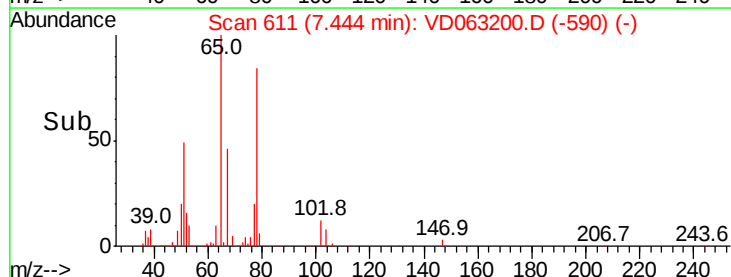
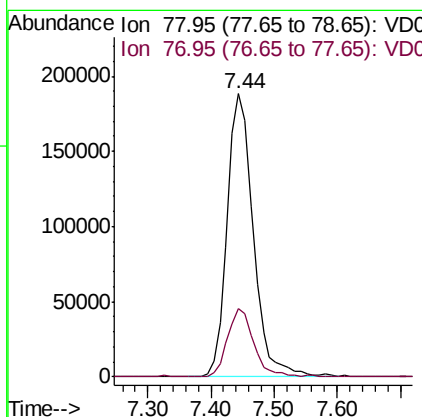
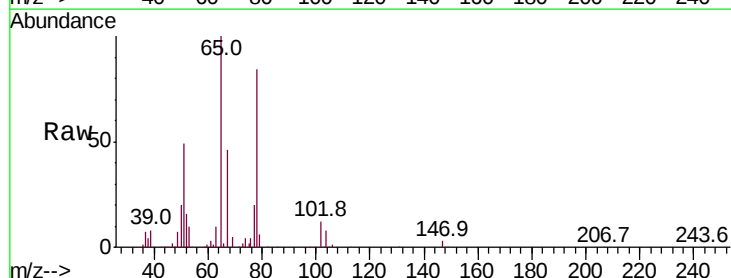
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

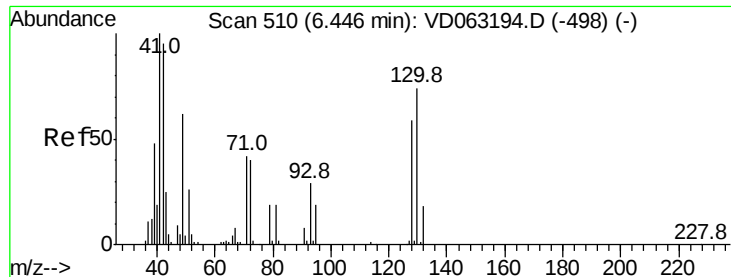
Tot Ion: 83 Resp: 211694
Ion Ratio Lower Upper
83 100
55 98.0 71.1 106.7
98 42.9 38.5 57.7



#40
Benzene
Concen: 18.536 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 78 Resp: 540177
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.2





#41

Methacrylonitrile

Concen: 17.251 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 41 Resp: 128906

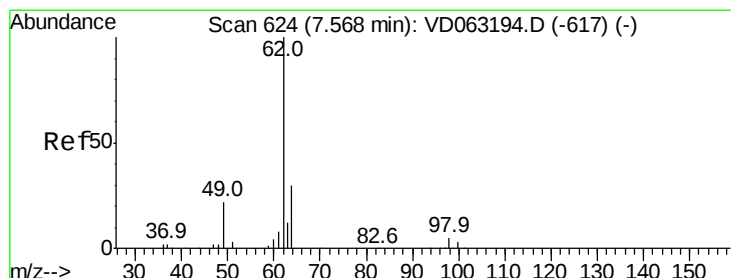
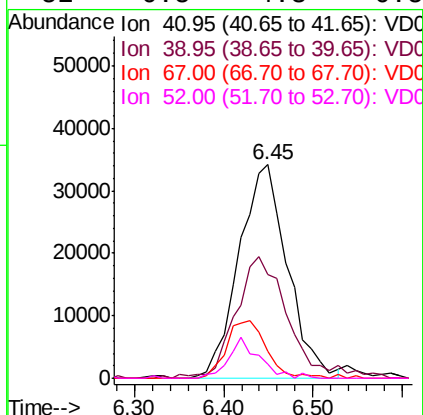
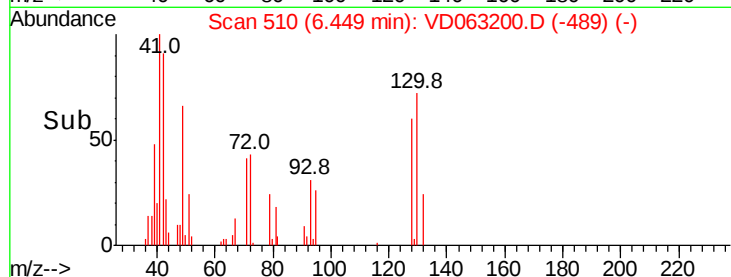
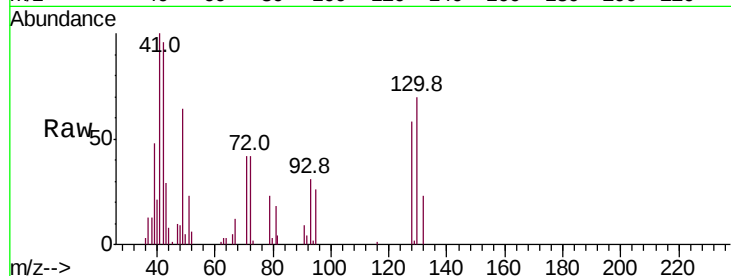
Ion Ratio Lower Upper

41 100

39 48.3 38.4 57.6

67 12.4 6.7 10.1#

52 6.5 4.3 6.5#



#42

1,2-Dichloroethane

Concen: 18.157 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

Lab File: VD063200.D

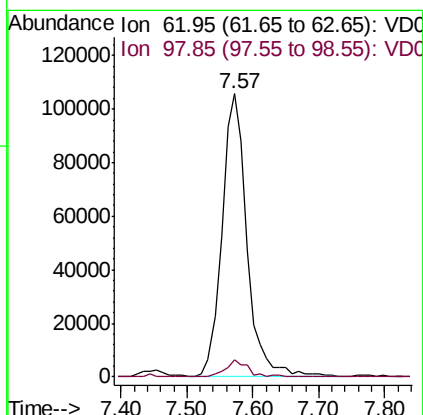
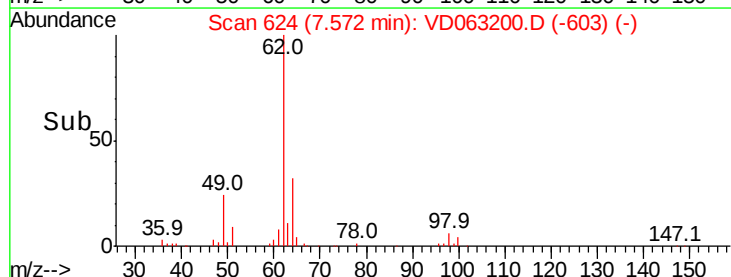
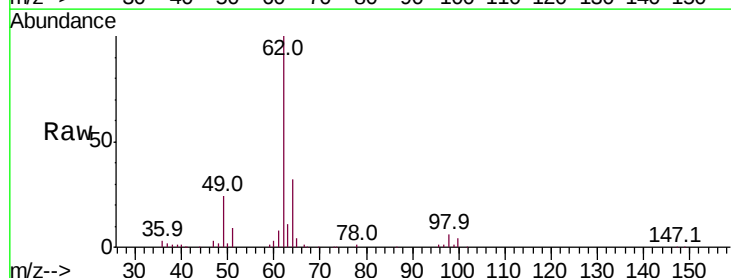
Acq: 29 Jul 2019 15:45

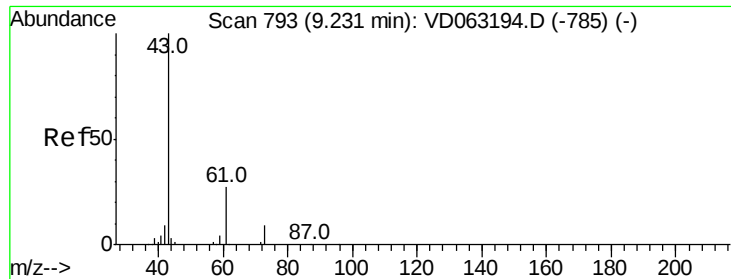
Tgt Ion: 62 Resp: 280430

Ion Ratio Lower Upper

62 100

98 6.1 0.0 9.8





#43

Isopropyl Acetate

Concen: 18.014 ug/l

RT: 9.24 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

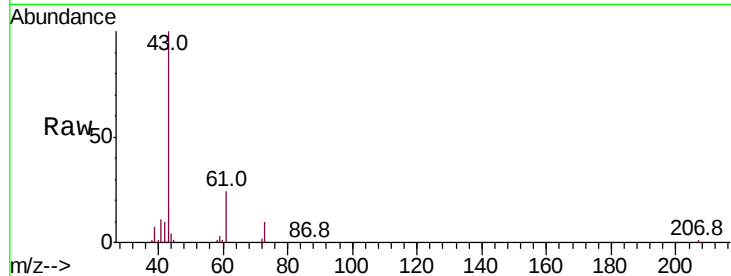
Tot Ion: 43 Resp: 143747

Ion Ratio Lower Upper

43 100

61 23.8 21.4 32.0

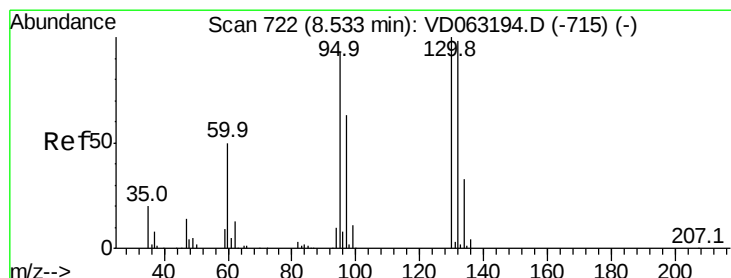
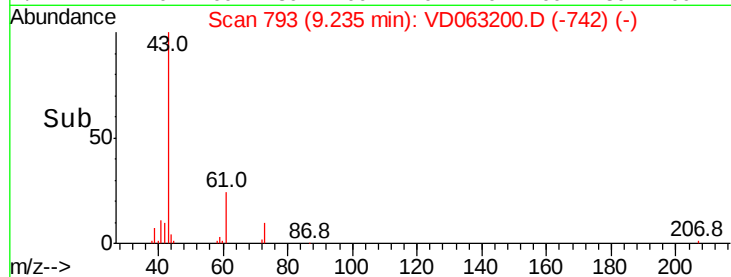
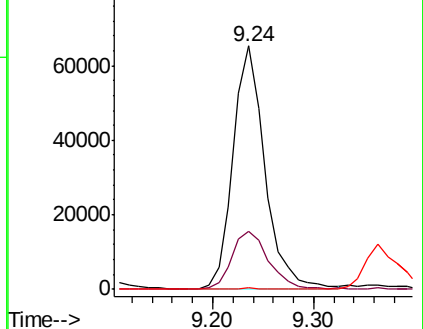
87 0.5 0.2 0.4#



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: 17.602 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063200.D

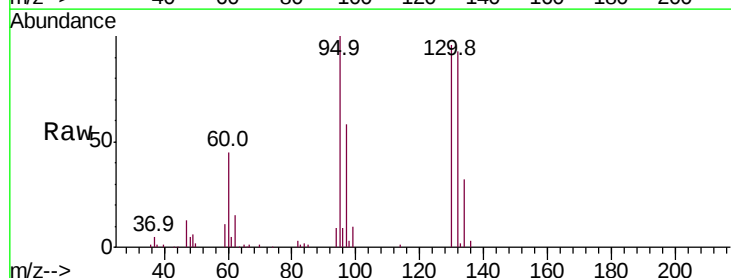
Acq: 29 Jul 2019 15:45

Tgt Ion:130 Resp: 207864

Ion Ratio Lower Upper

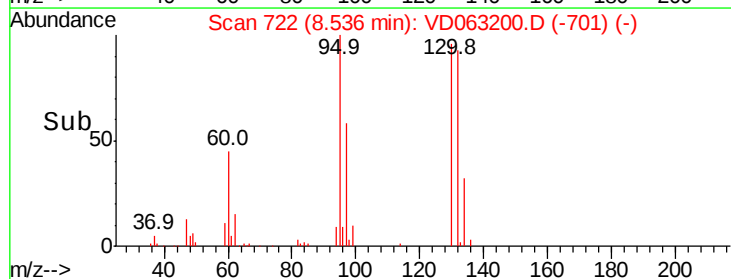
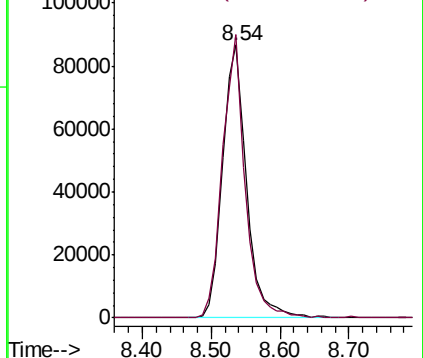
130 100

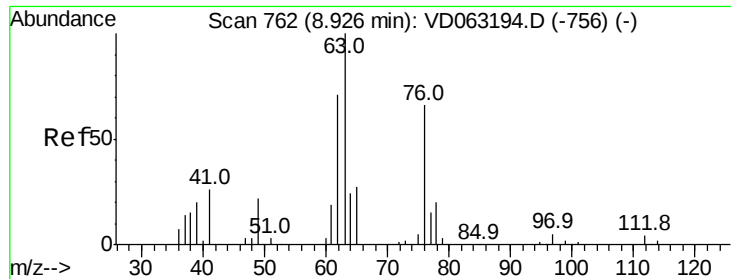
95 103.8 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 17.207 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

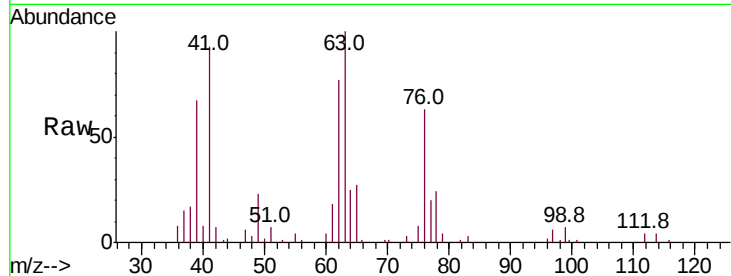
VD0729SBSD01

Tot Ion: 63 Resp: 127458

Ion Ratio Lower Upper

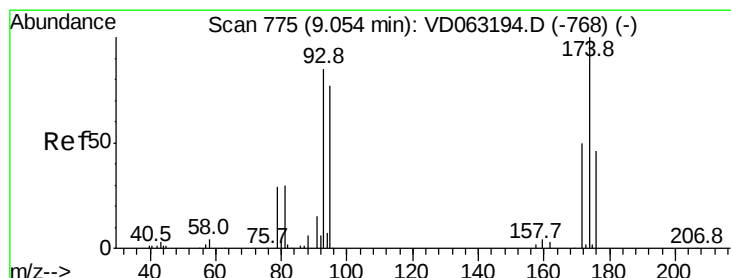
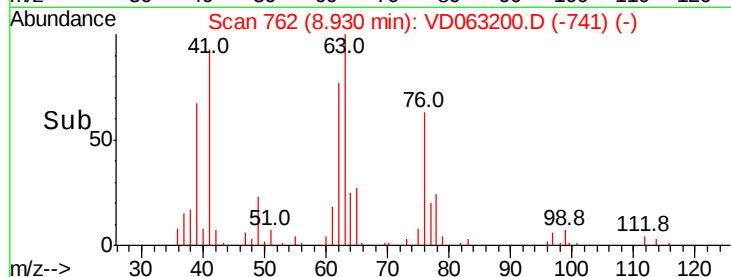
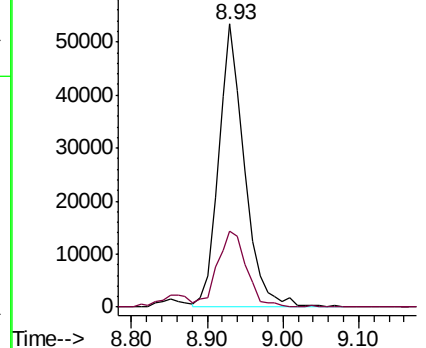
63 100

65 26.7 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 17.905 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

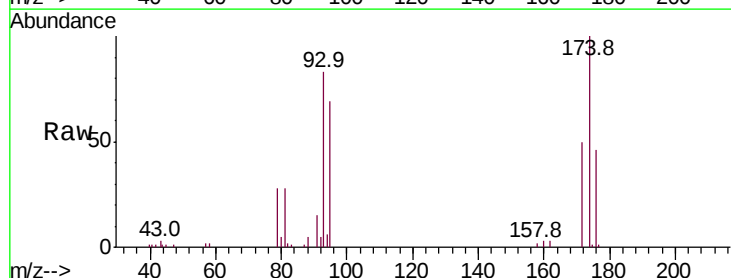
Tgt Ion: 93 Resp: 110277

Ion Ratio Lower Upper

93 100

95 83.1 72.8 109.2

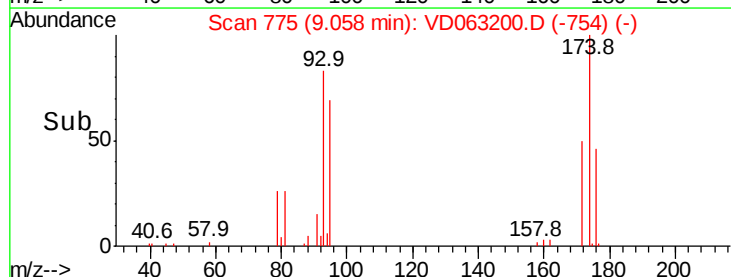
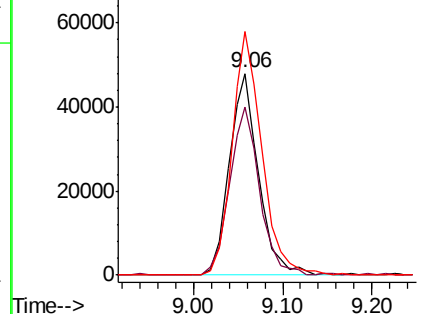
174 120.8 94.4 141.6

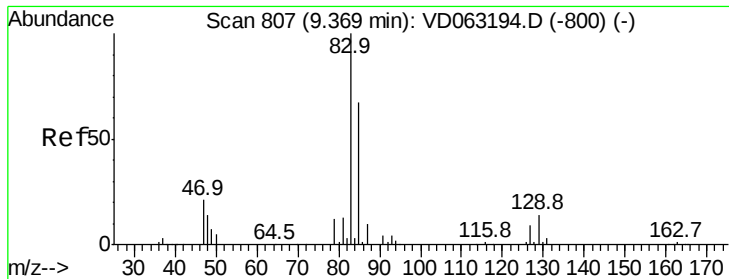


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 17.708 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD01

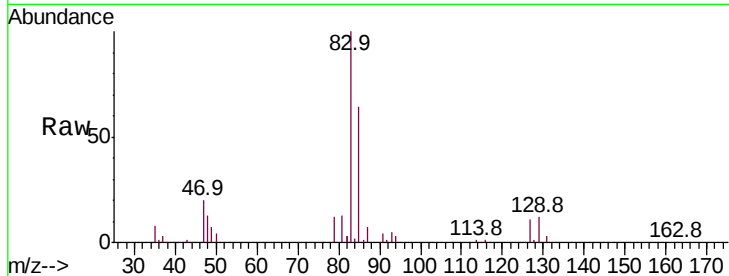
Tot Ion: 83 Resp: 278010

Ion Ratio Lower Upper

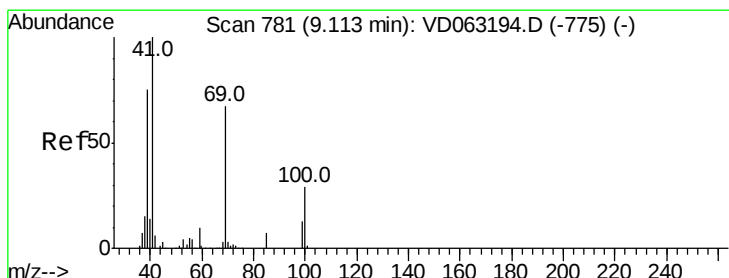
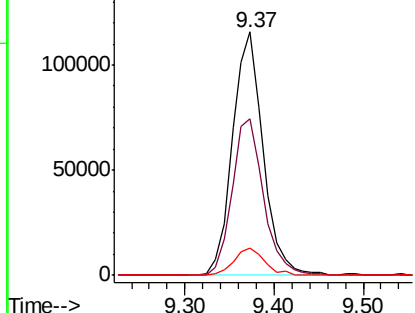
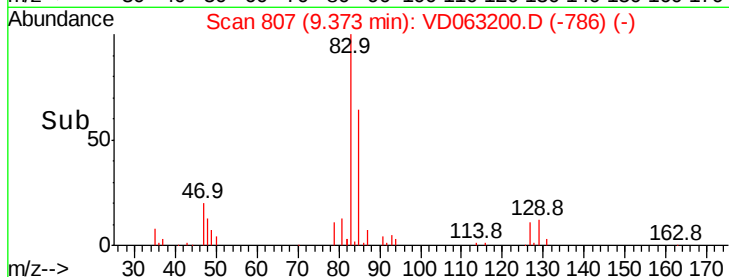
83 100

85 64.4 53.6 80.4

127 11.0 7.2 10.8#



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: 19.075 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

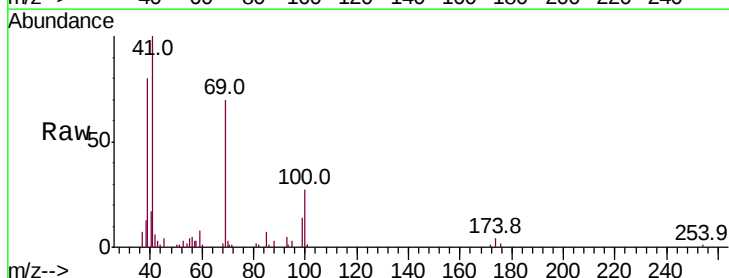
Tgt Ion: 41 Resp: 98722

Ion Ratio Lower Upper

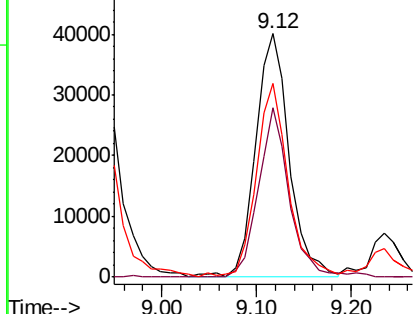
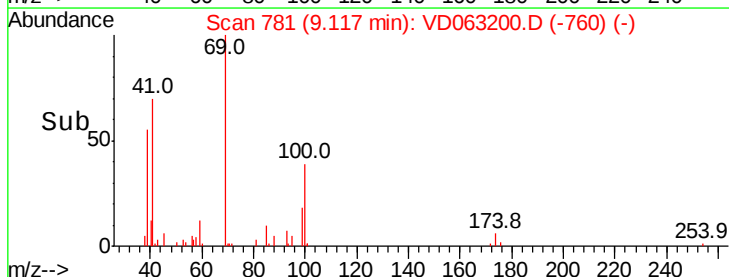
41 100

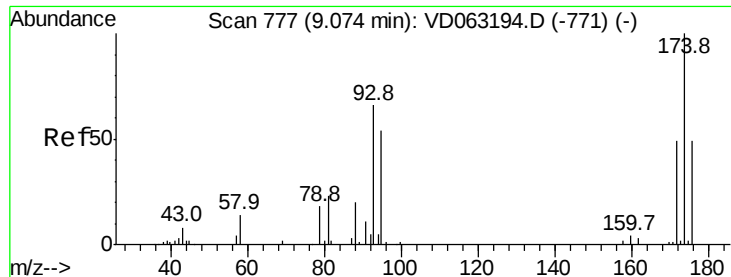
69 69.7 53.4 80.0

39 79.7 60.3 90.5



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

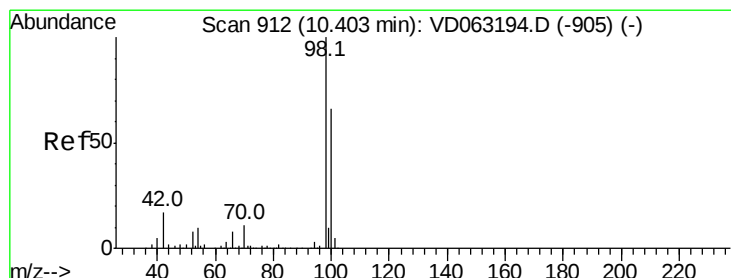
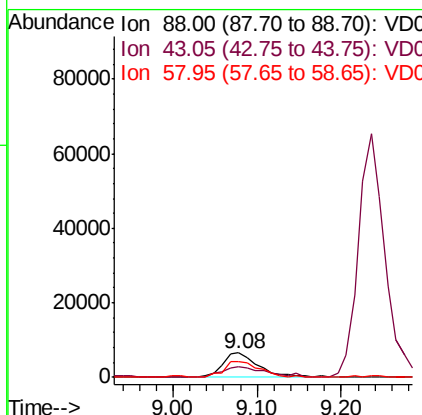
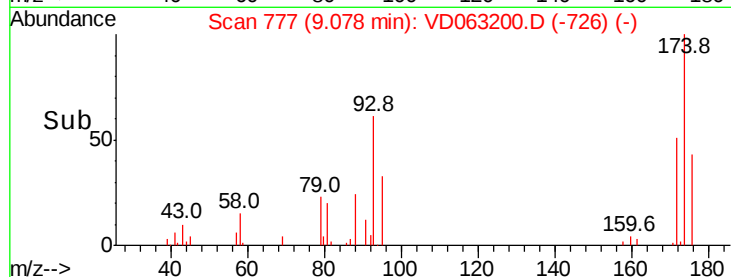
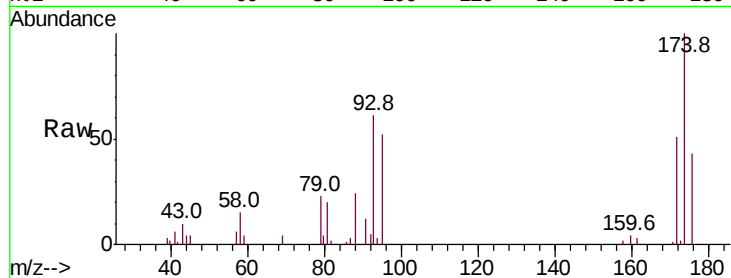




#49
 1,4-Dioxane
 Concen: 446.978 ug/l
 RT: 9.08 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

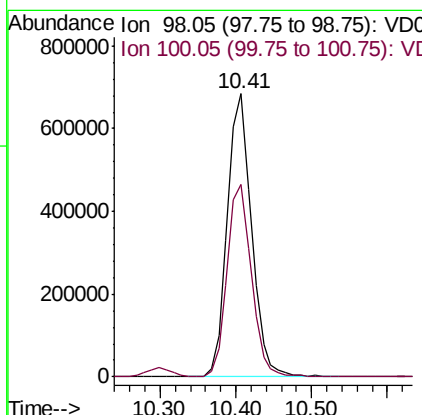
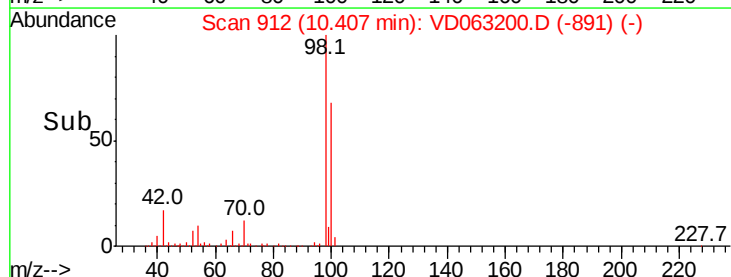
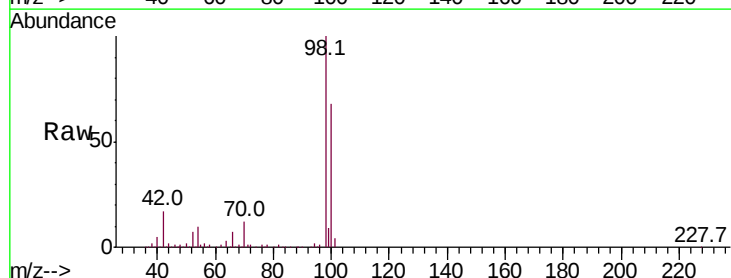
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

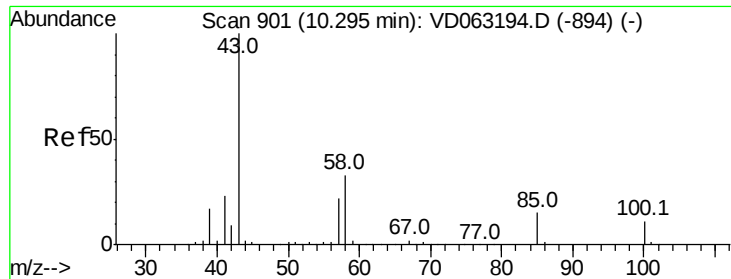
Tot Ion: 88 Resp: 19696
 Ion Ratio Lower Upper
 88 100
 43 43.0 30.7 46.1
 58 62.2 56.5 84.7



#50
 Toluene-d8
 Concen: 52.127 ug/l
 RT: 10.41 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion: 98 Resp: 1517585
 Ion Ratio Lower Upper
 98 100
 100 67.9 53.2 79.8

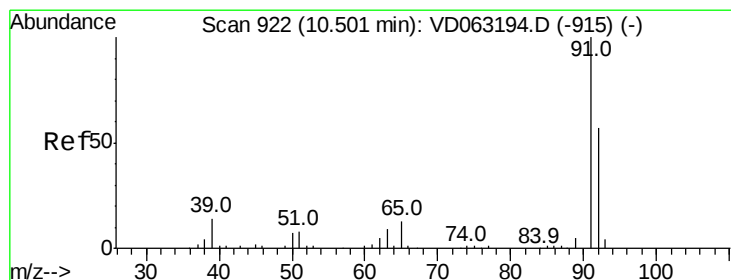
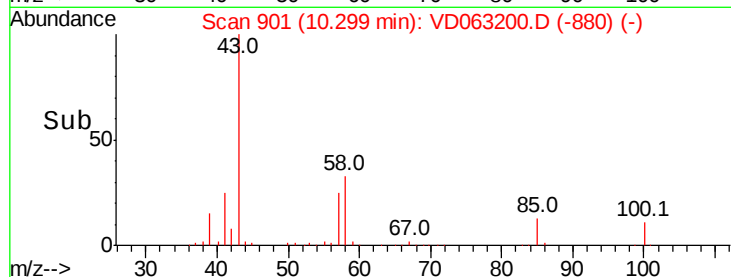
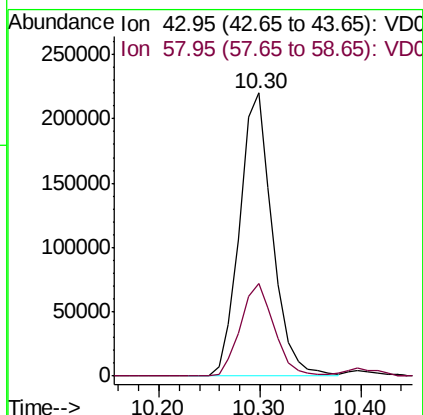
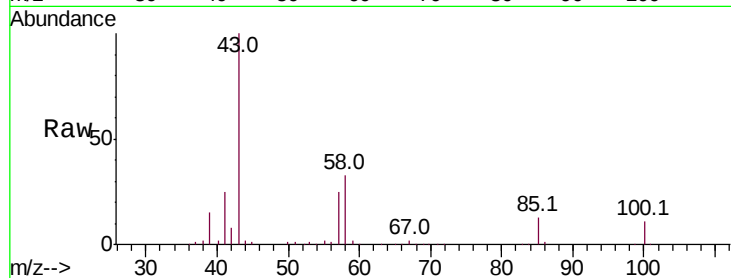




#51
4-Methyl-2-Pentanone
Concen: 91.962 ug/l
RT: 10.30 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

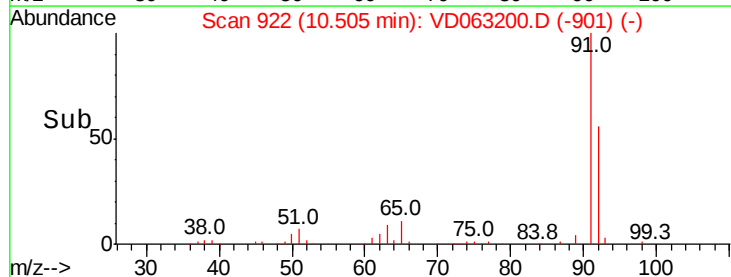
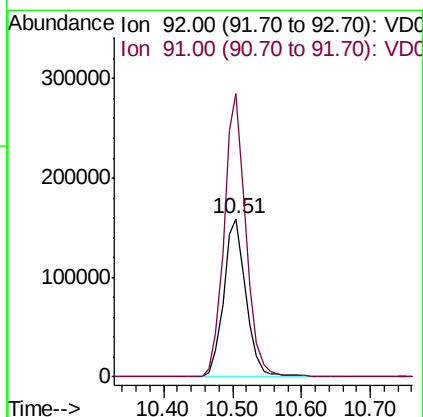
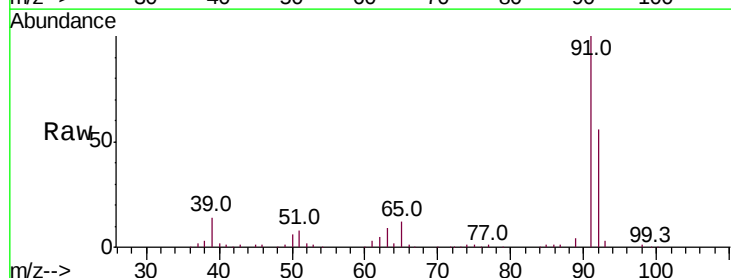
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

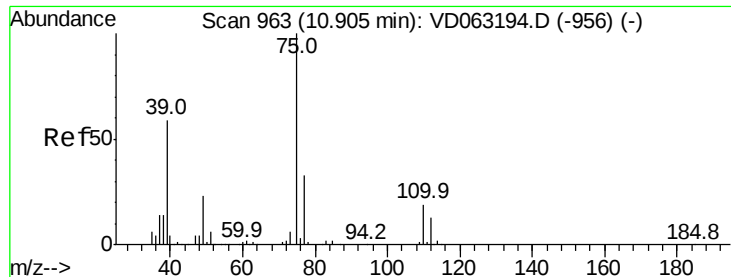
Tot Ion: 43 Resp: 499072
Ion Ratio Lower Upper
43 100
58 32.6 26.2 39.2



#52
Toluene
Concen: 18.300 ug/l
RT: 10.51 min Scan# 922
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 92 Resp: 354700
Ion Ratio Lower Upper
92 100
91 179.1 140.8 211.2

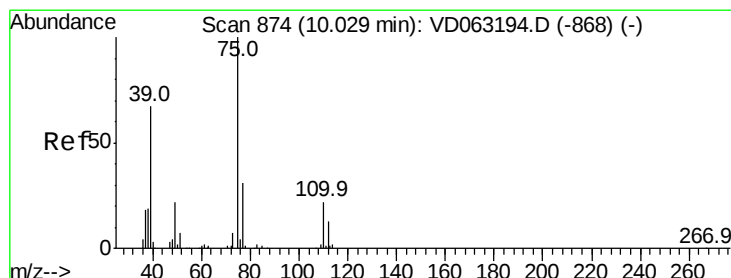
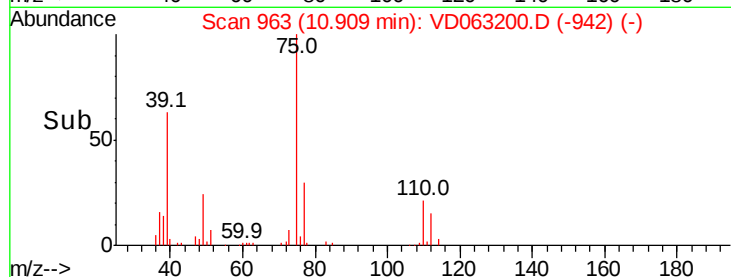
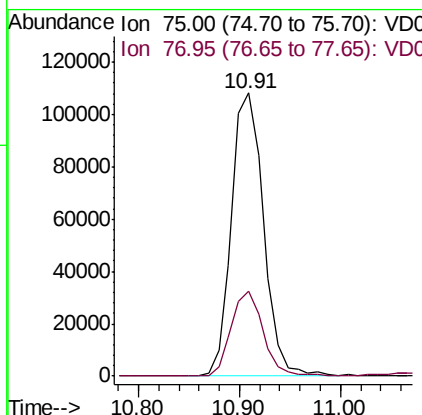
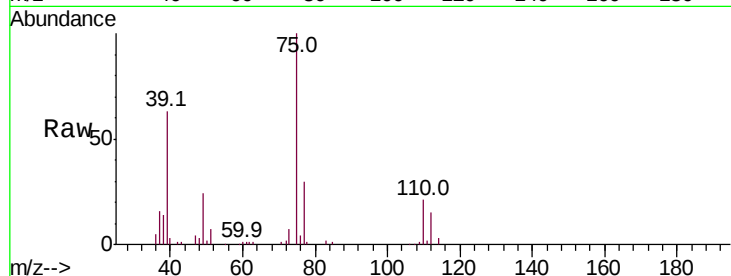




#53
 t-1,3-Dichloropropene
 Concen: 17.698 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

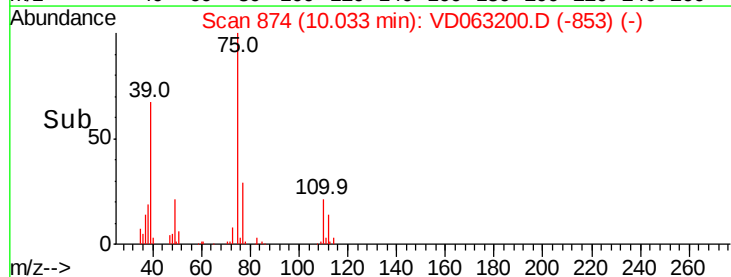
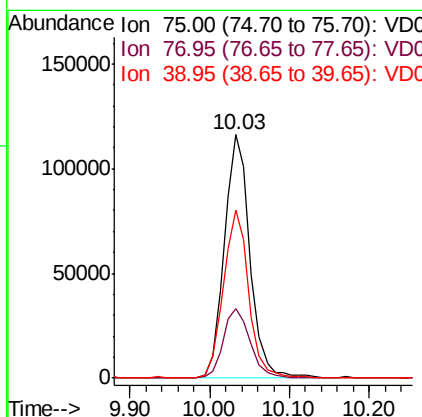
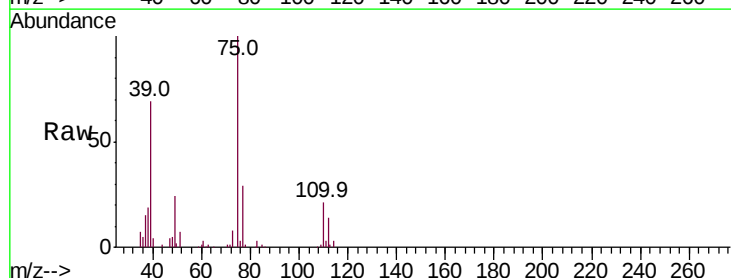
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

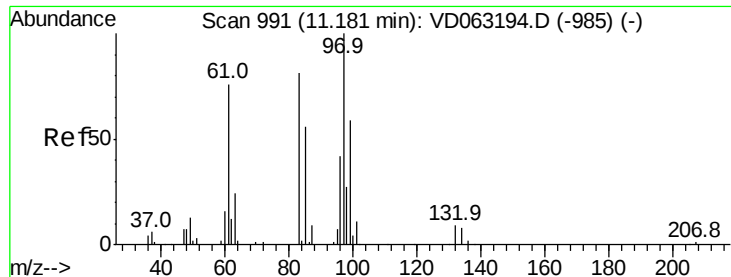
Tot Ion: 75 Resp: 239548
 Ion Ratio Lower Upper
 75 100
 77 29.9 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 18.438 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion: 75 Resp: 262286
 Ion Ratio Lower Upper
 75 100
 77 28.5 24.9 37.3
 39 68.8 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 18.246 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD01

Tot Ion: 97 Resp: 119440

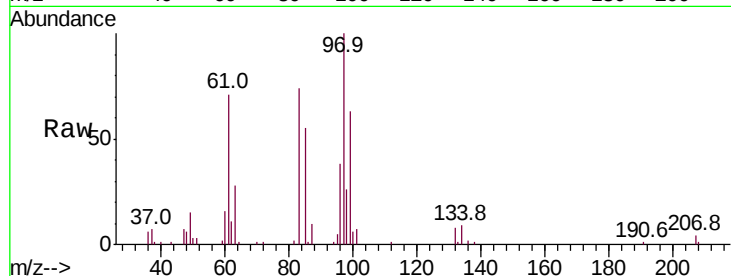
Ion	Ratio	Lower	Upper
97	100		
83	74.2	64.8	97.2
85	54.9	44.9	67.3
99	63.2	47.2	70.8

97 100

83 74.2 64.8 97.2

85 54.9 44.9 67.3

99 63.2 47.2 70.8



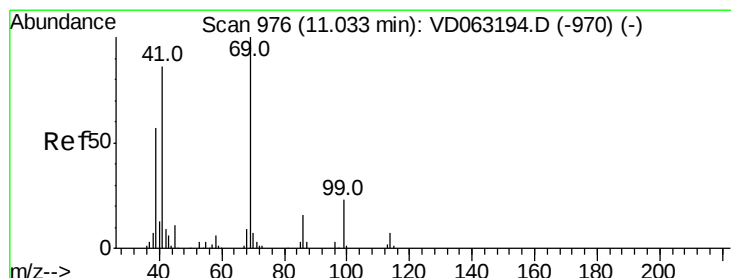
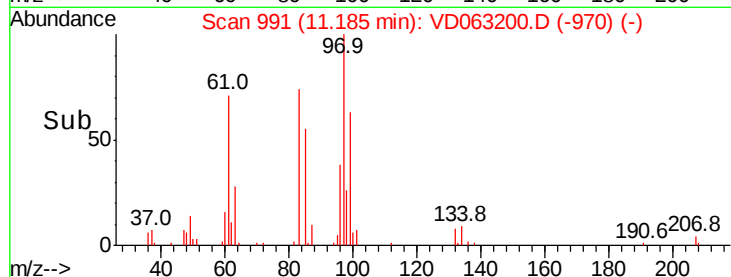
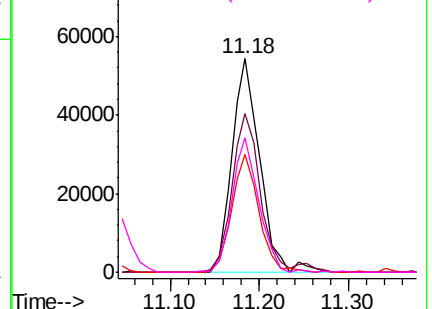
Abundance

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: 19.155 ug/l

RT: 11.04 min Scan# 976

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

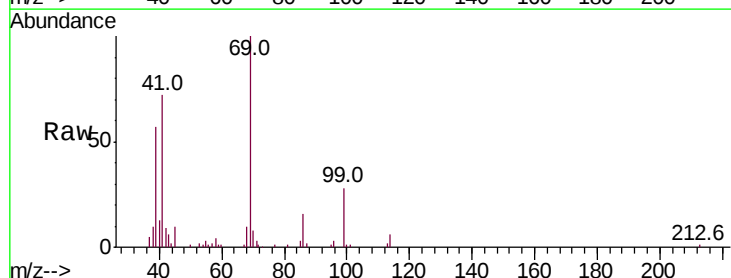
Tgt Ion: 69 Resp: 137309

Ion	Ratio	Lower	Upper
69	100		
41	72.4	68.8	103.2
39	56.7	45.8	68.8

69 100

41 72.4 68.8 103.2

39 56.7 45.8 68.8

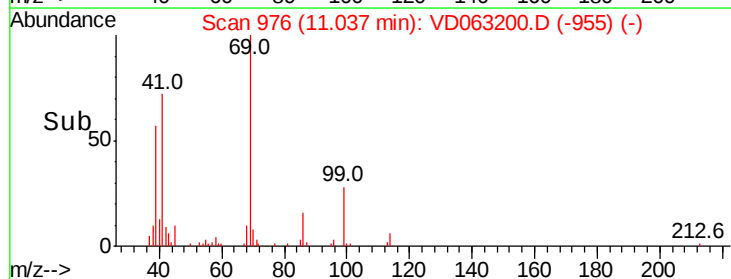
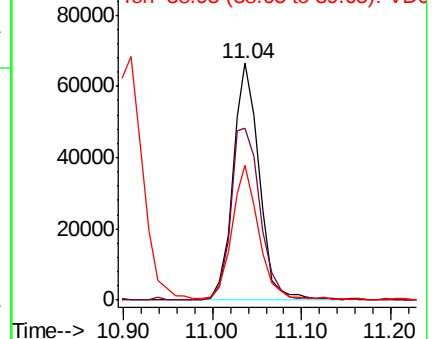


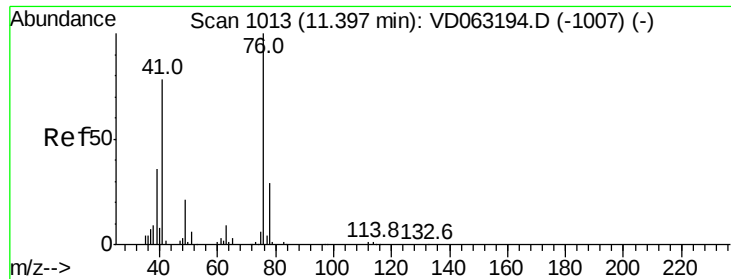
Abundance

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: 18.434 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

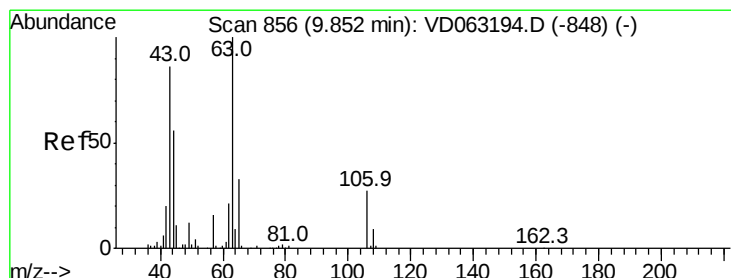
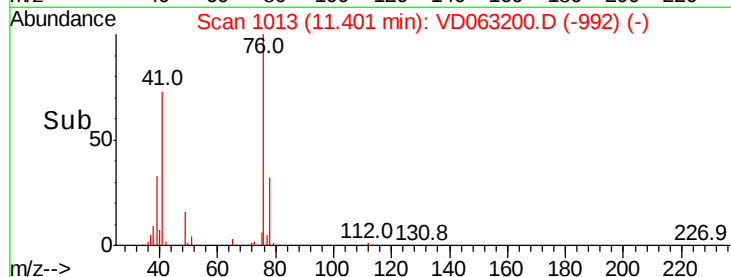
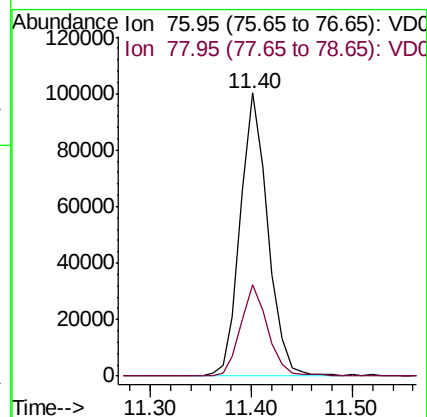
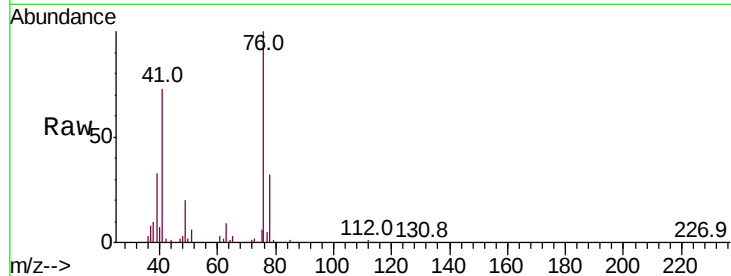
VD0729SBS01

Tot Ion: 76 Resp: 190130

Ion Ratio Lower Upper

76 100

78 32.3 23.4 35.0



#58

2-Chloroethyl Vinyl ether

Concen: 98.298 ug/l

RT: 9.86 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD063200.D

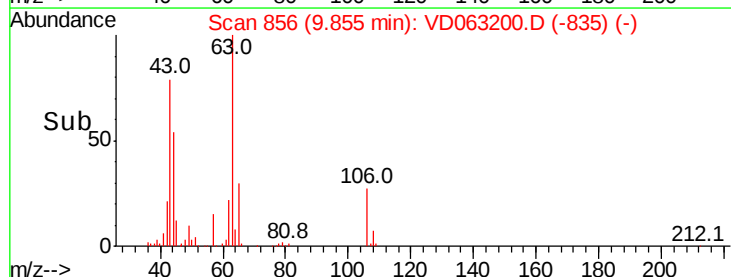
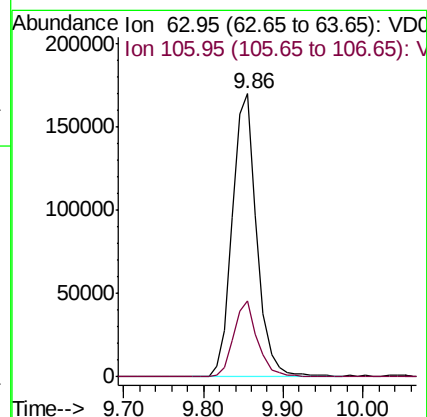
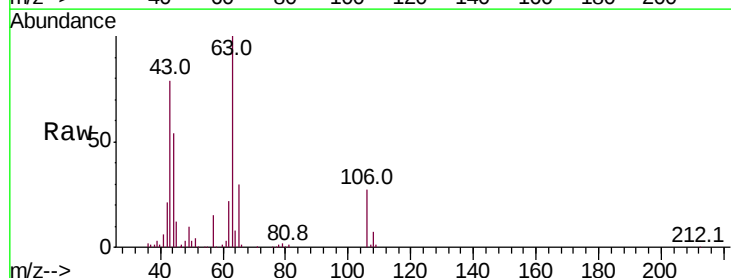
Acq: 29 Jul 2019 15:45

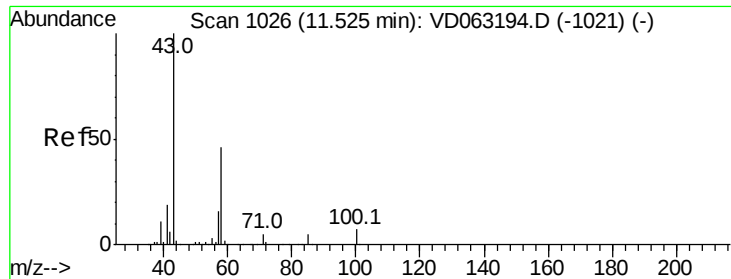
Tgt Ion: 63 Resp: 366643

Ion Ratio Lower Upper

63 100

106 26.7 22.0 33.0

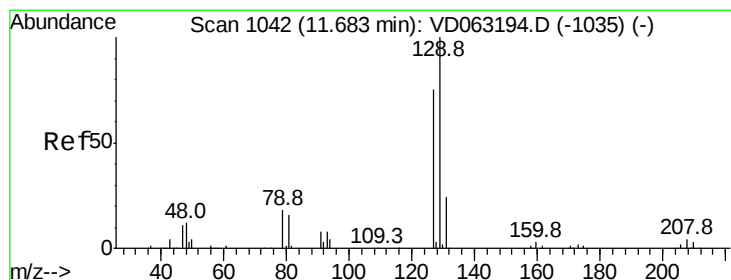
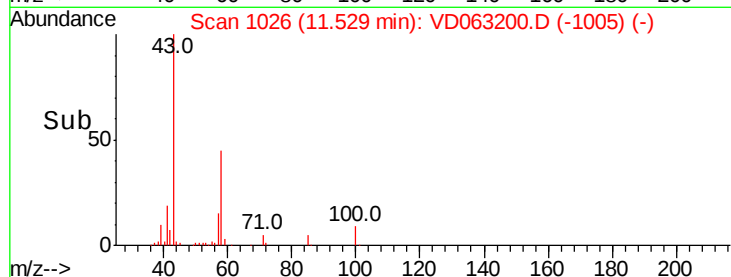
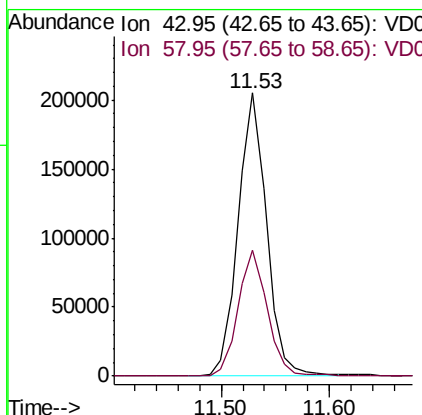
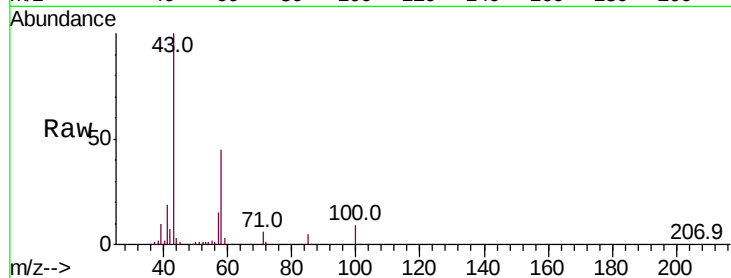




#59
2-Hexanone
Concen: 95.929 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

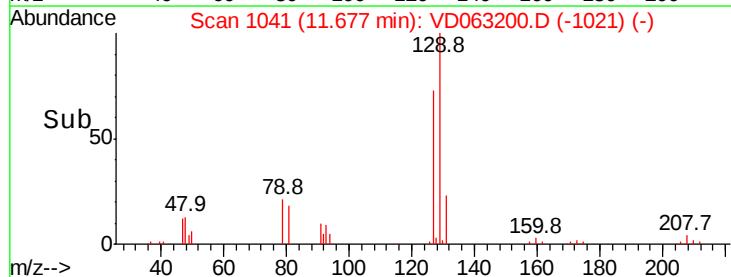
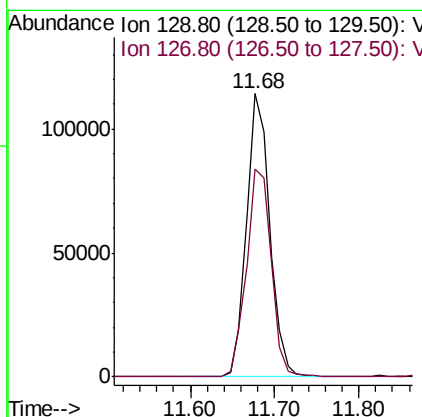
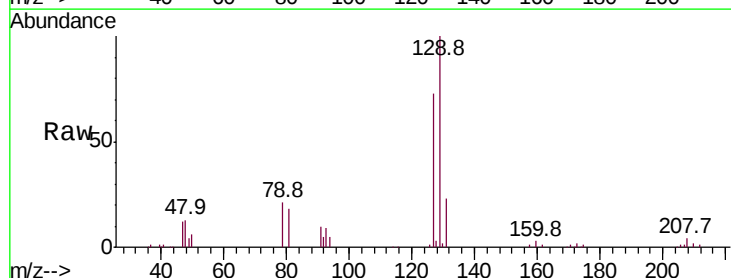
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

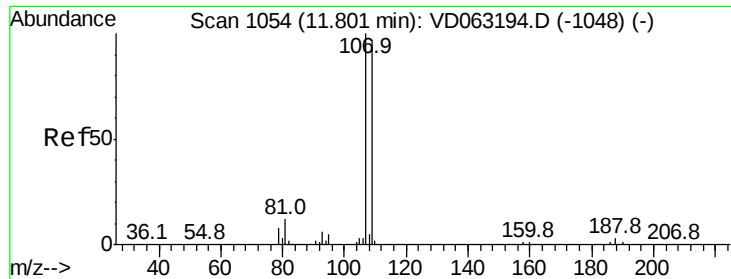
Tot Ion: 43 Resp: 375166
Ion Ratio Lower Upper
43 100
58 44.6 22.9 68.5



#60
Dibromochloromethane
Concen: 17.926 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 129 Resp: 221527
Ion Ratio Lower Upper
129 100
127 73.4 37.6 112.8





#61

1,2-Dibromoethane

Concen: 18.724 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

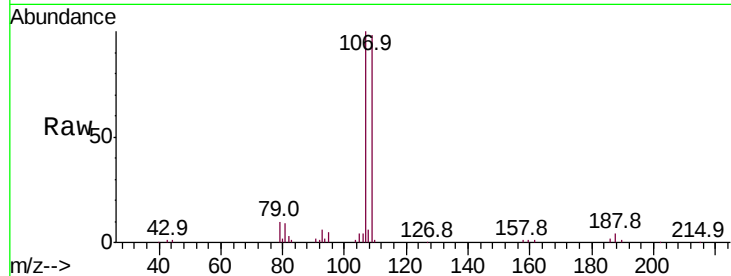
VD0729SBS01

Tot Ion:107 Resp: 151243

Ion Ratio Lower Upper

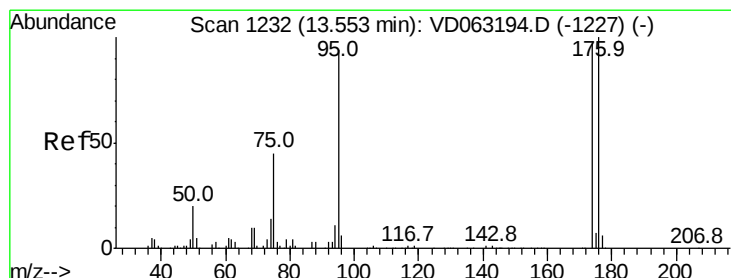
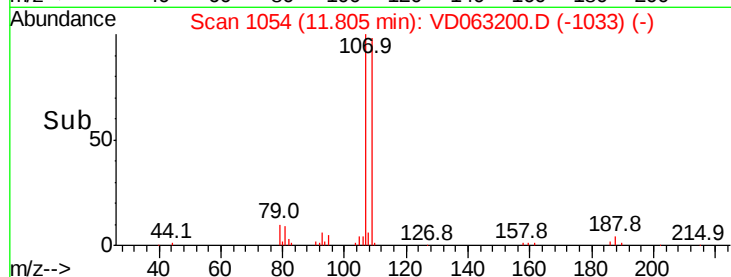
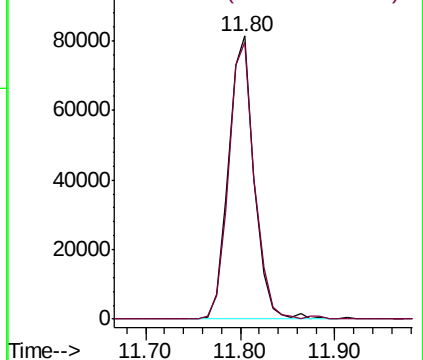
107 100

109 97.7 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 49.968 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

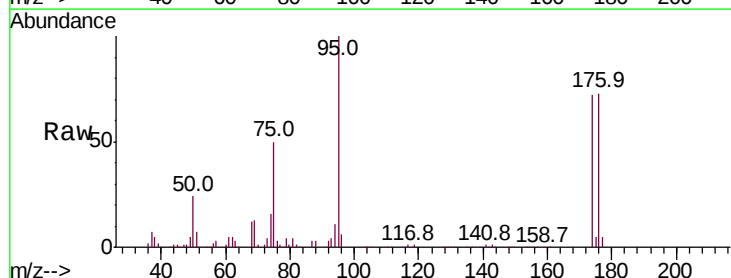
Tgt Ion: 95 Resp: 662904

Ion Ratio Lower Upper

95 100

174 72.4 0.0 205.4

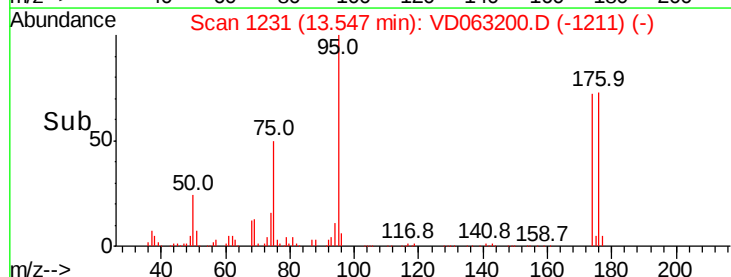
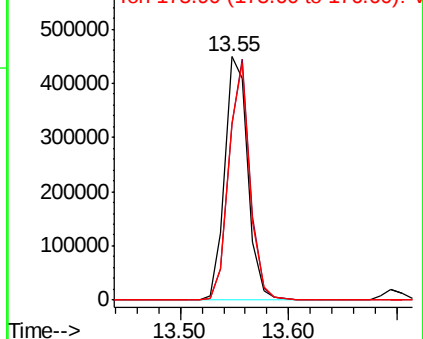
176 72.6 0.0 211.8

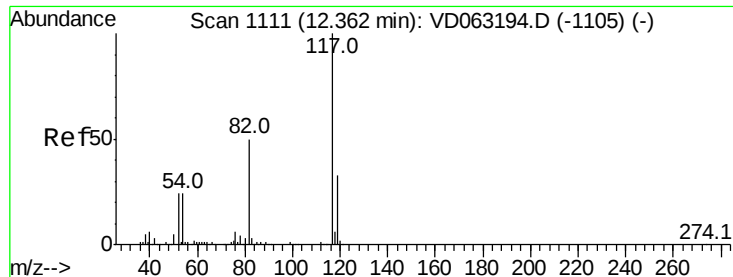


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

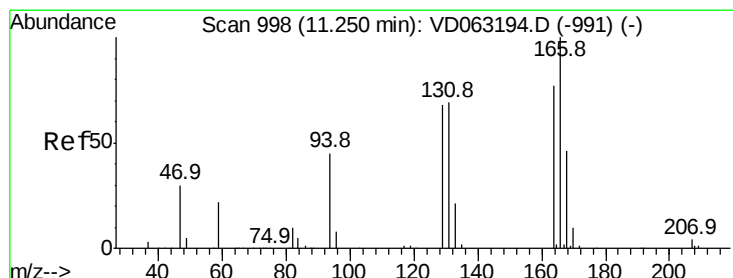
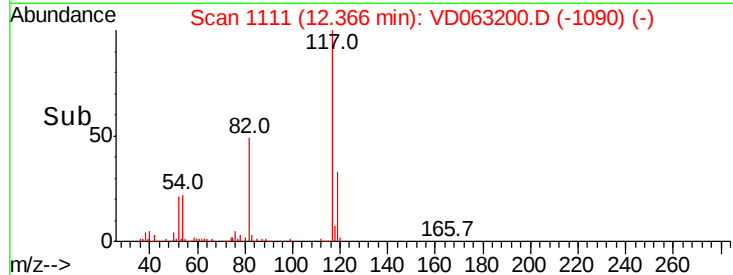
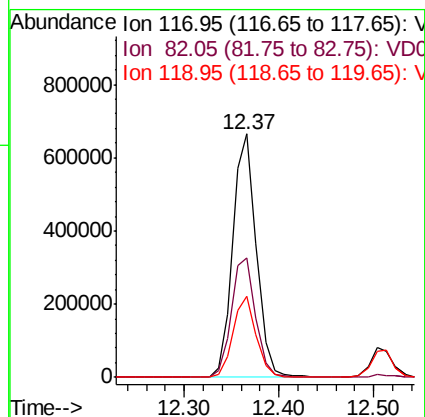
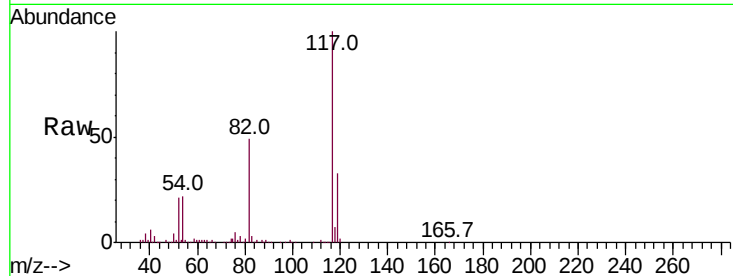




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

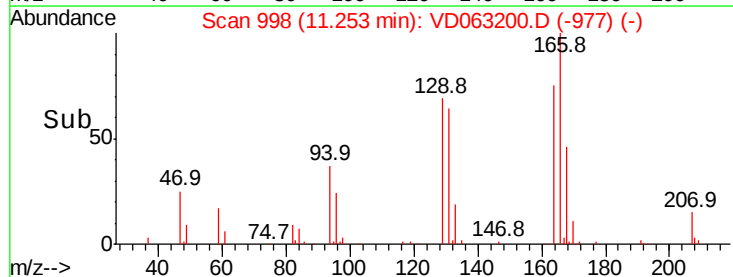
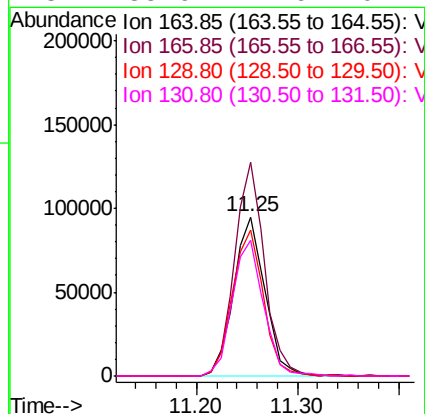
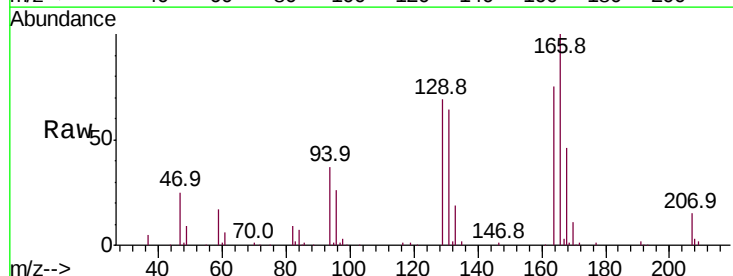
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

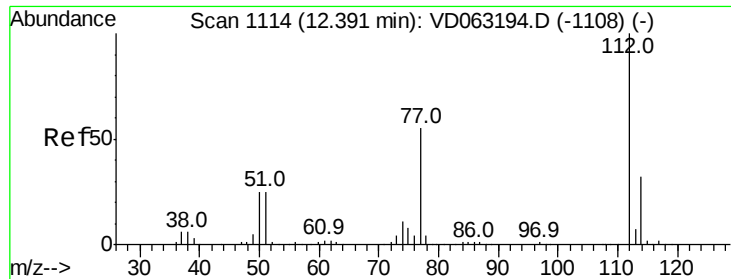
Tot Ion:117 Resp: 1141535
Ion Ratio Lower Upper
117 100
82 49.2 40.1 60.1
119 33.2 26.5 39.7



#64
Tetrachloroethene
Concen: 22.312 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion:164 Resp: 202911
Ion Ratio Lower Upper
164 100
166 134.1 104.3 156.5
129 92.0 70.9 106.3
131 85.6 71.6 107.4

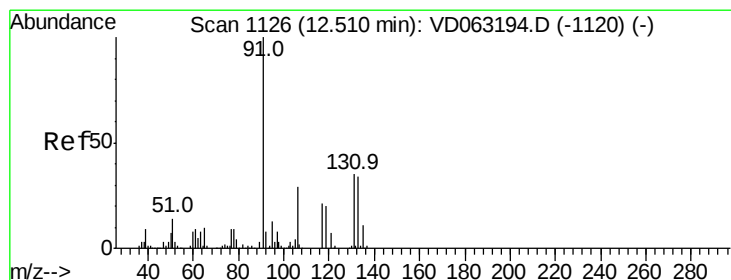
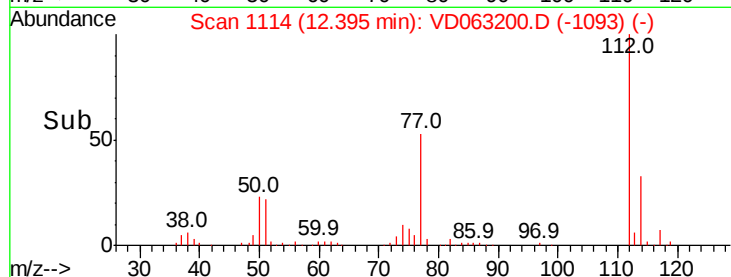
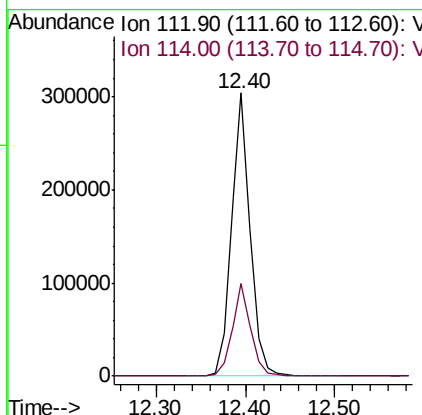
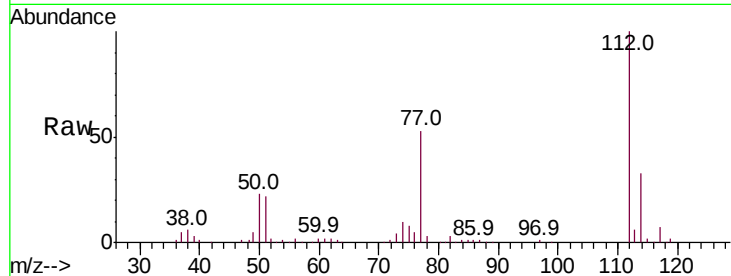




#65
Chlorobenzene
Concen: 20.378 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

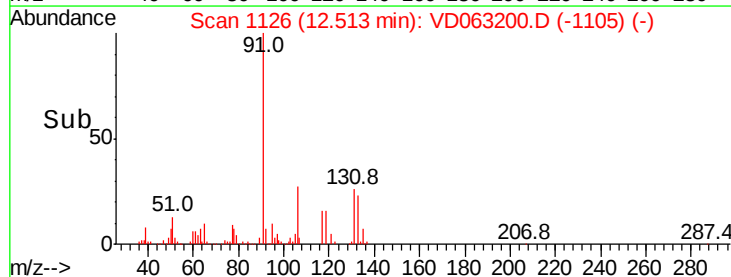
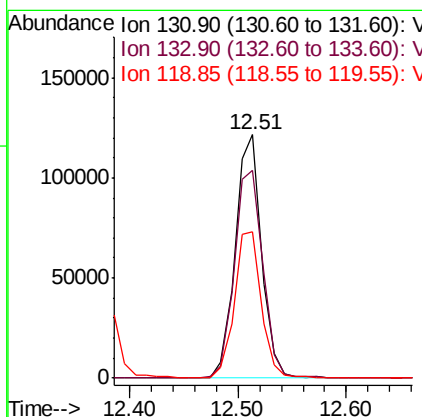
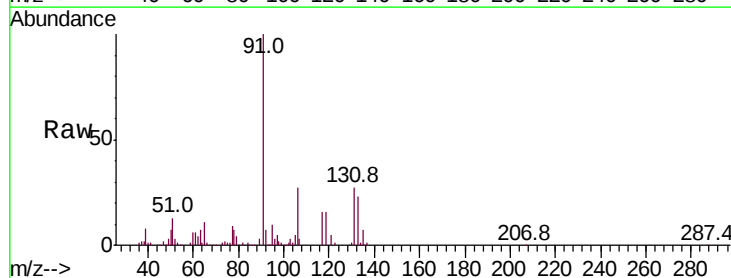
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

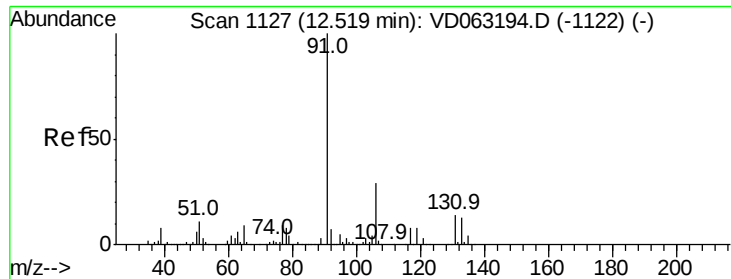
Tot Ion:112 Resp: 447443
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.162 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion:131 Resp: 204674
Ion Ratio Lower Upper
131 100
133 85.6 48.4 145.2
119 60.1 29.1 87.3

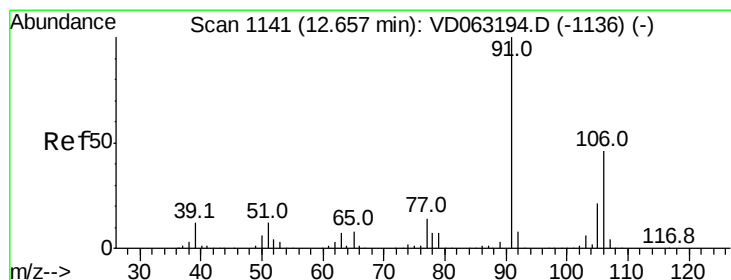
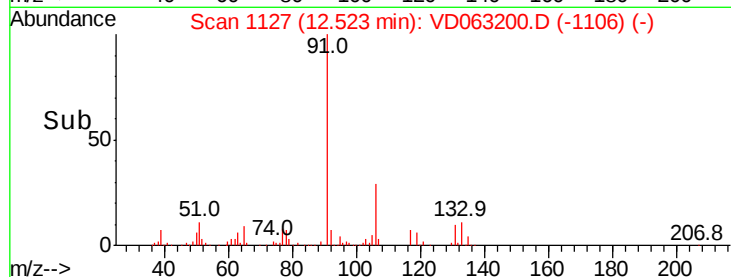
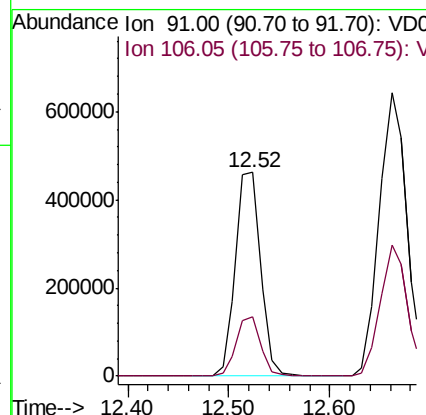
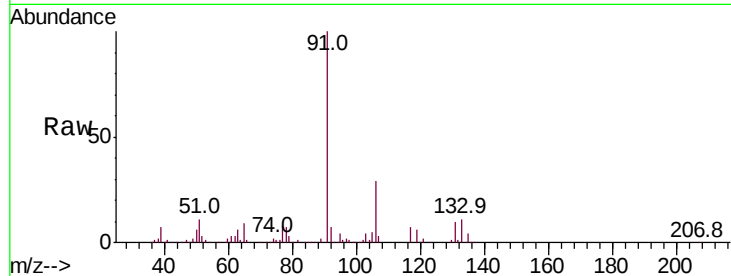




#67
Ethyl Benzene
Concen: 21.526 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

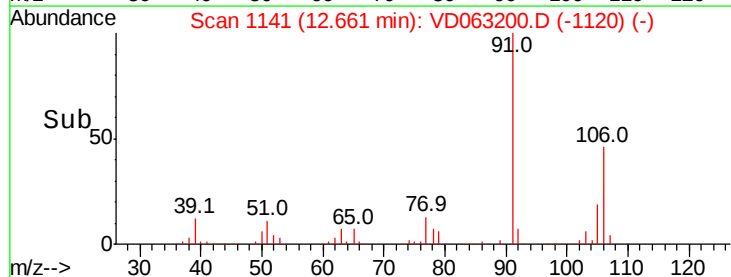
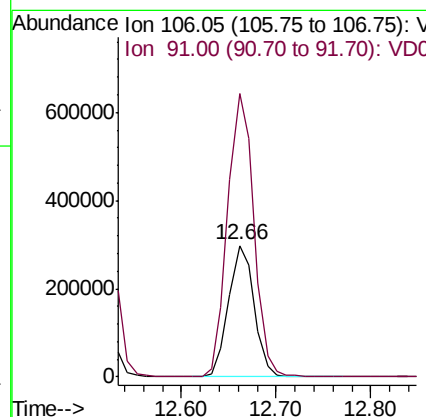
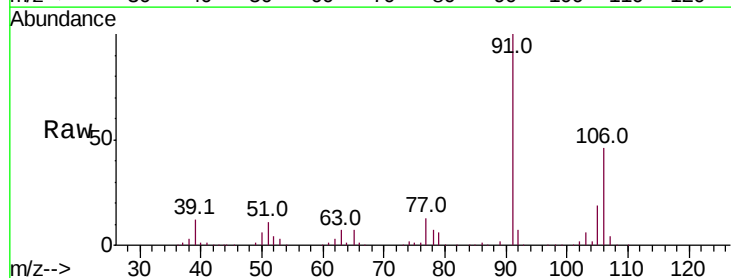
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

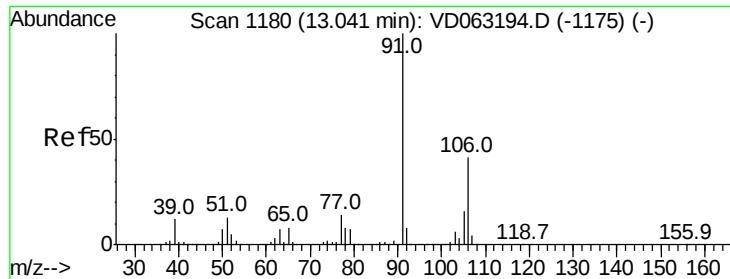
Tot Ion: 91 Resp: 802925
Ion Ratio Lower Upper
91 100
106 29.1 22.9 34.3



#68
m/p-Xylenes
Concen: 40.845 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 106 Resp: 558712
Ion Ratio Lower Upper
106 100
91 216.0 172.6 259.0

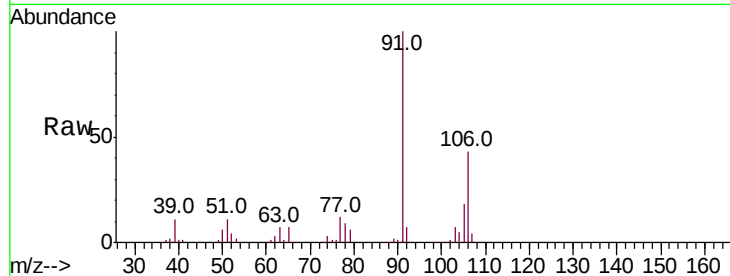




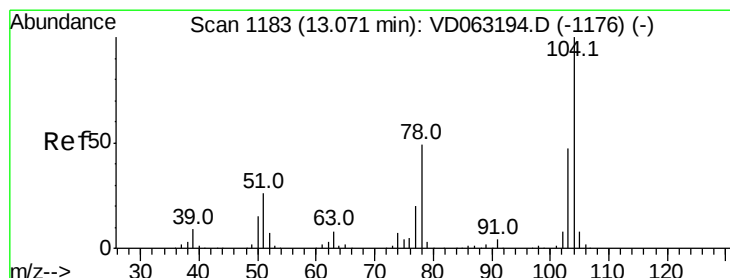
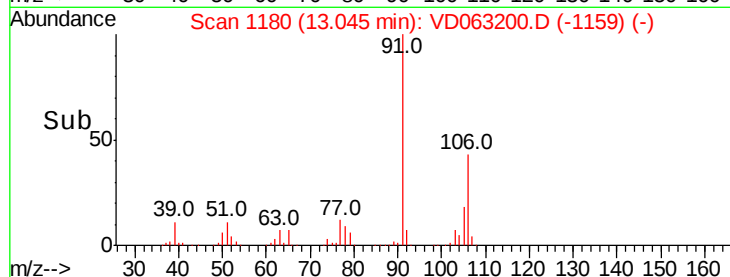
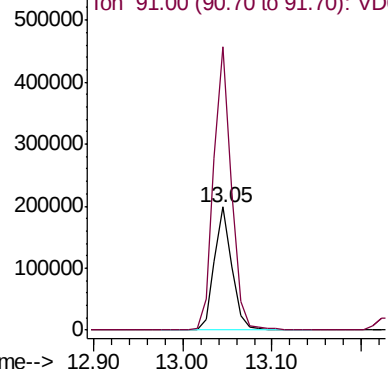
#69
o-Xylene
Concen: 21.661 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Instrument :
MSVOA_D
ClientSampleID :
VD0729SBS01

Tot Ion:106 Resp: 272088
Ion Ratio Lower Upper
106 100
91 230.6 121.3 363.9

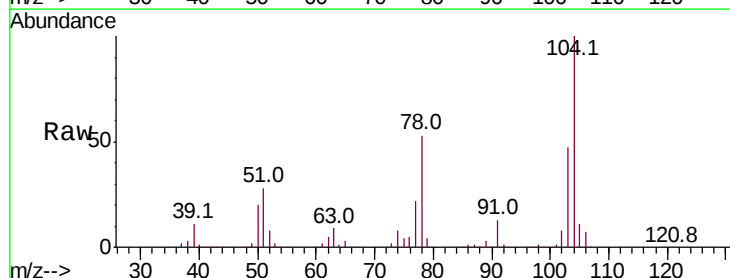


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

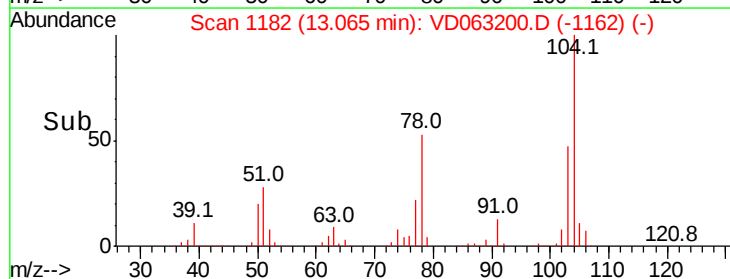
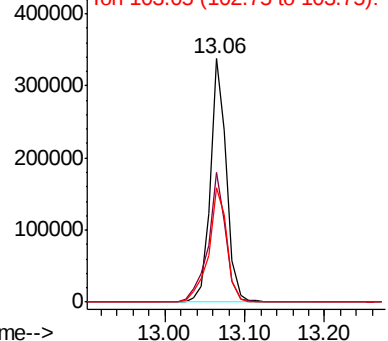


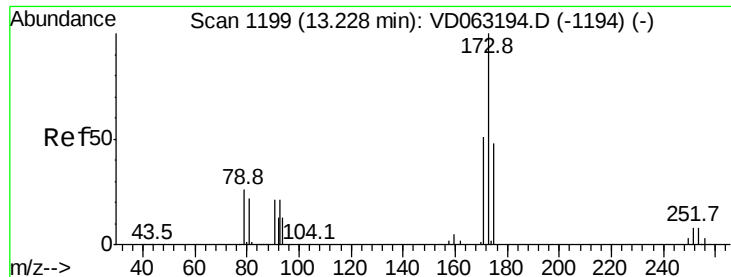
#70
Styrene
Concen: 21.313 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion:104 Resp: 474794
Ion Ratio Lower Upper
104 100
78 53.2 39.4 59.0
103 46.8 37.4 56.2



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

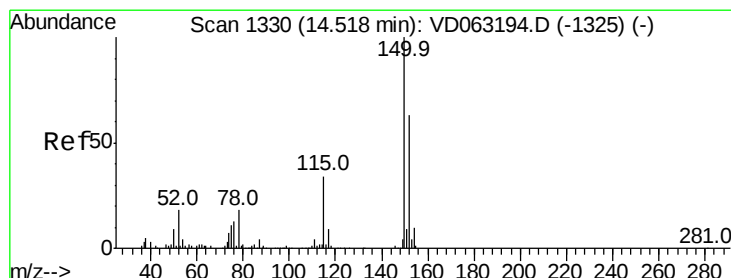
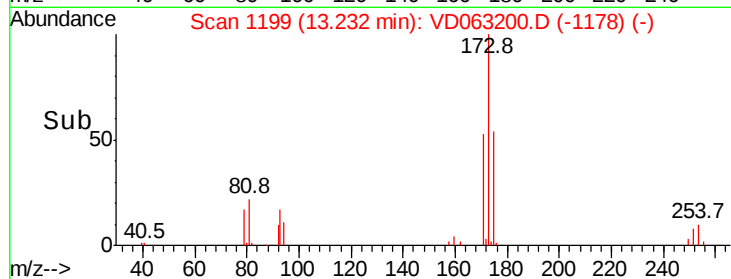
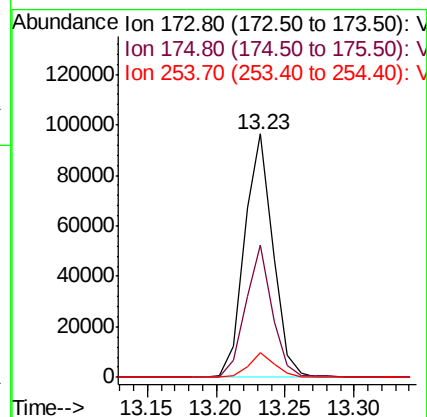
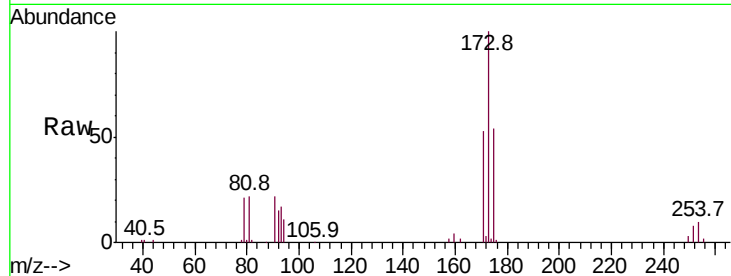




#71
Bromoform
Concen: 19.660 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

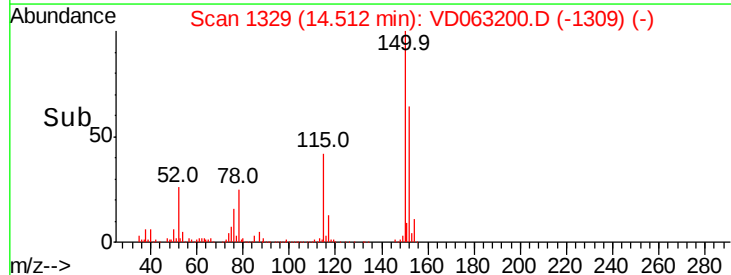
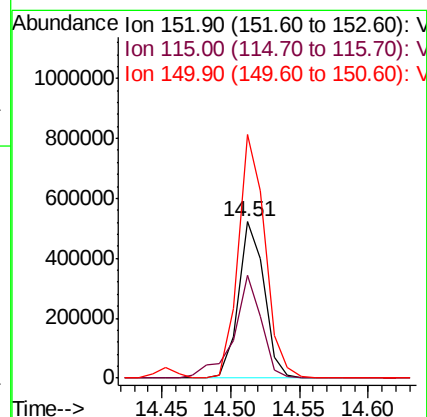
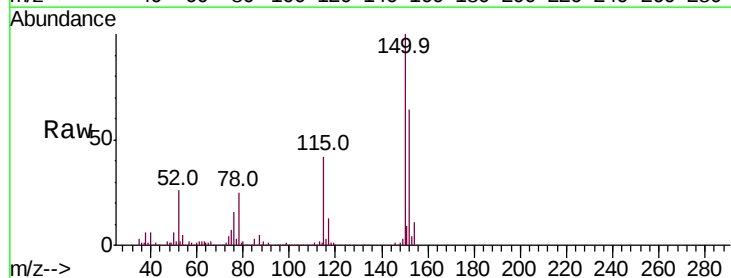
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

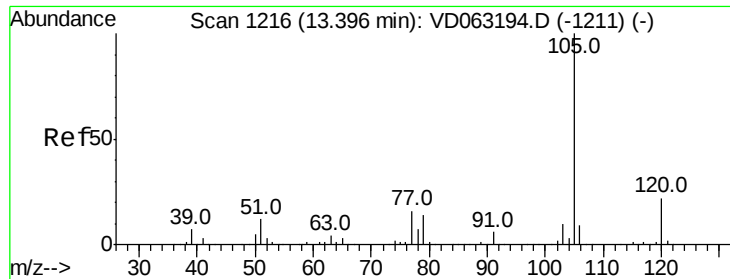
Tot Ion:173 Resp: 138275
Ion Ratio Lower Upper
173 100
175 54.2 23.8 71.5
254 10.0 6.6 10.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion:152 Resp: 678412
Ion Ratio Lower Upper
152 100
115 65.8 27.5 82.4
150 156.0 0.0 320.6





#73

Isopropylbenzene

Concen: 18.906 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

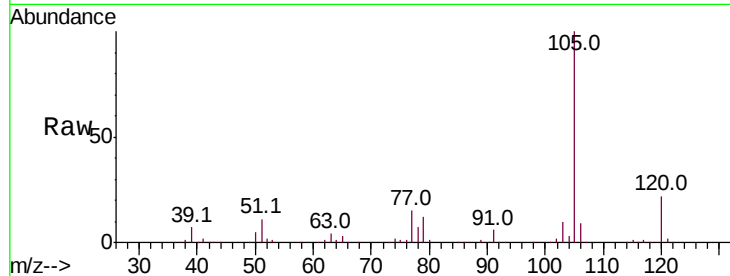
VD0729SBS01

Tot Ion:105 Resp: 805021

Ion Ratio Lower Upper

105 100

120 22.4 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

600000

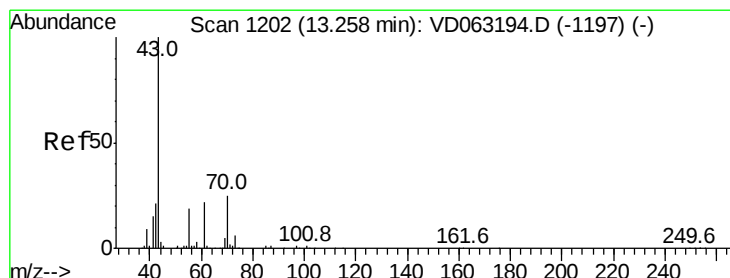
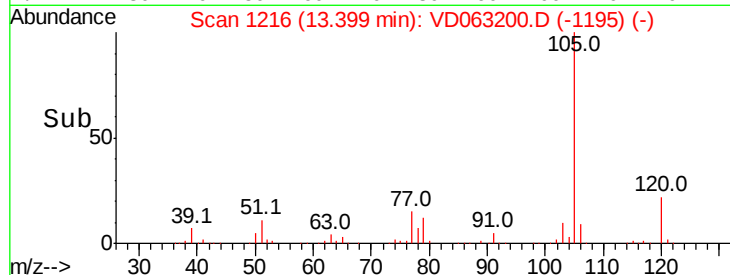
400000

200000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 17.885 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Tgt Ion: 43 Resp: 201322

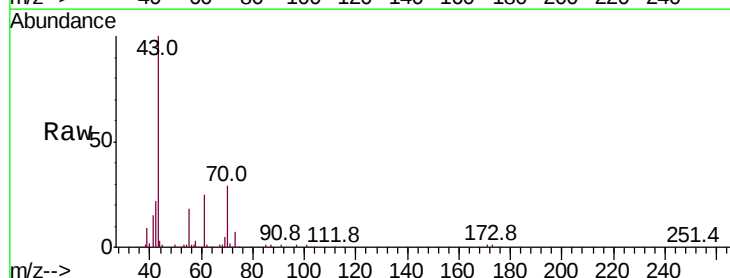
Ion Ratio Lower Upper

43 100

70 28.8 20.2 30.4

55 18.0 14.9 22.3

61 24.6 17.9 26.9



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

250000

200000

150000

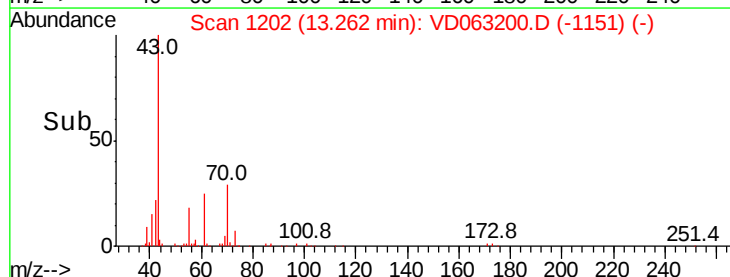
100000

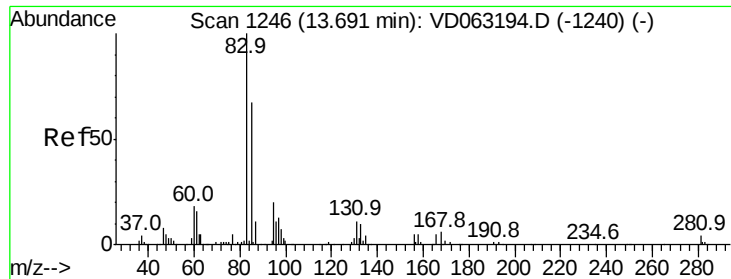
50000

0

13.20 13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.468 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD01

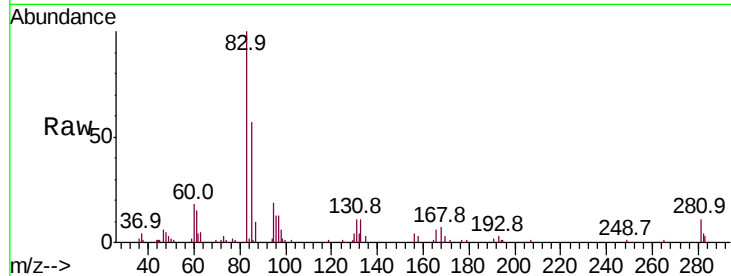
Tot Ion: 83 Resp: 140803

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.7

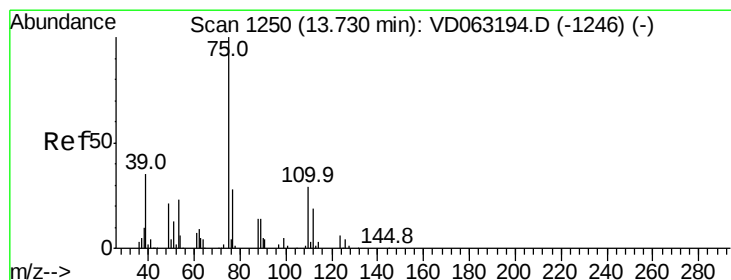
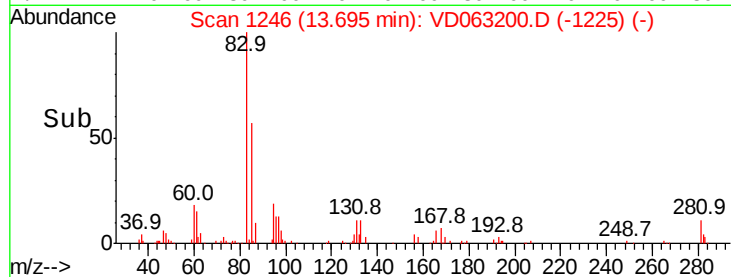
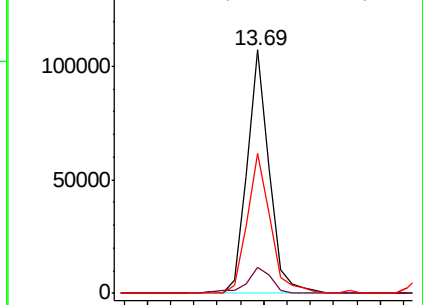
85 57.3 33.7 101.1



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: 18.159 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063200.D

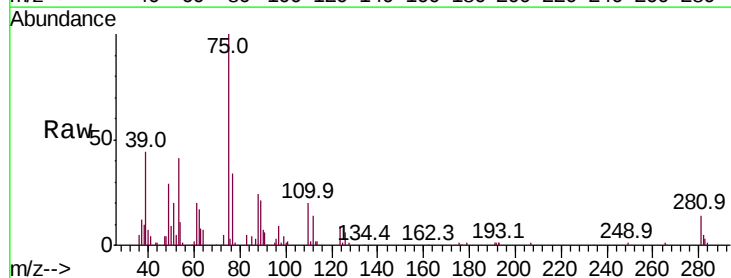
Acq: 29 Jul 2019 15:45

Tgt Ion: 75 Resp: 147970

Ion Ratio Lower Upper

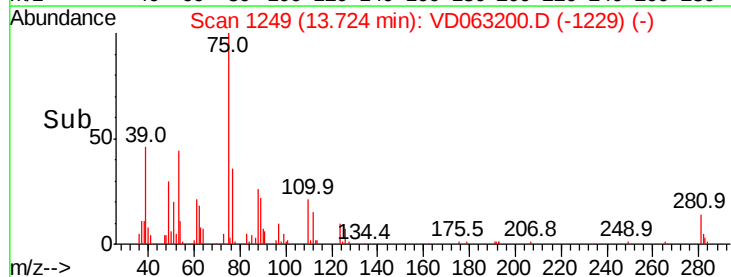
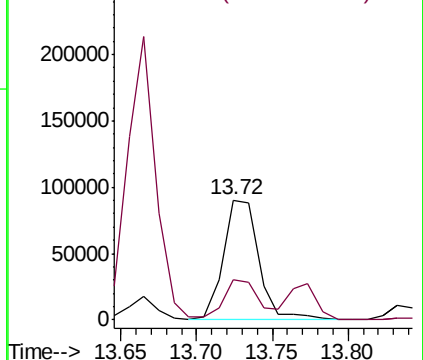
75 100

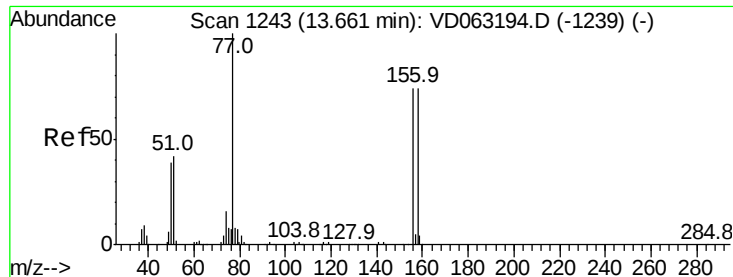
77 33.7 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.496 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD01

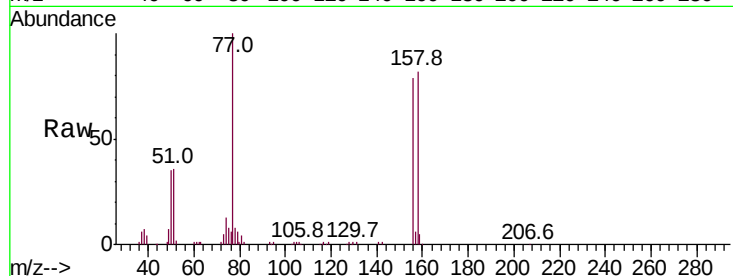
Tot Ion:156 Resp: 224350

Ion Ratio Lower Upper

156 100

77 126.0 67.6 202.8

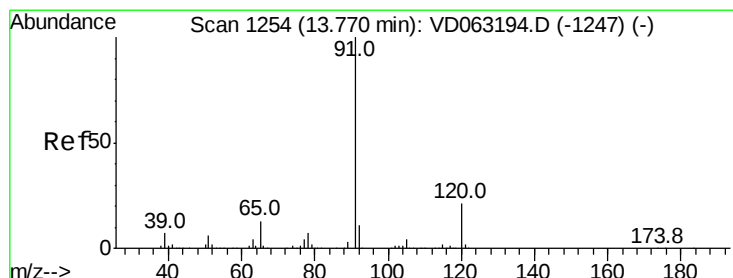
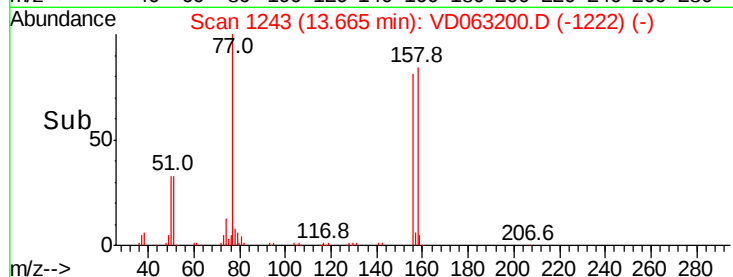
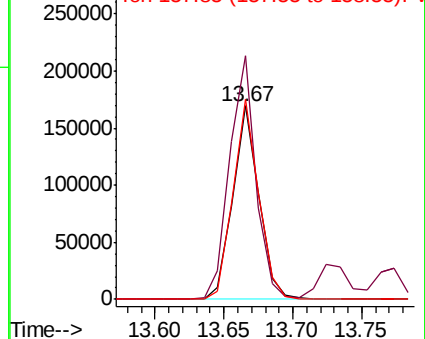
158 103.8 49.8 149.4



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: 18.665 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063200.D

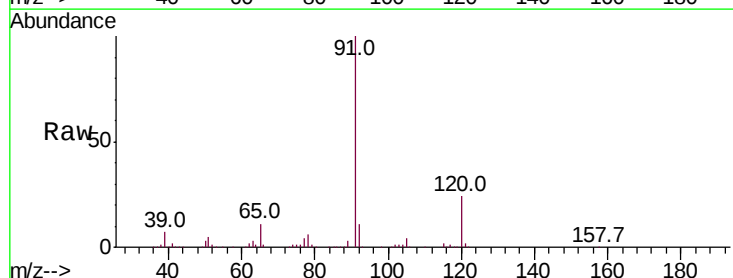
Acq: 29 Jul 2019 15:45

Tgt Ion: 91 Resp: 945754

Ion Ratio Lower Upper

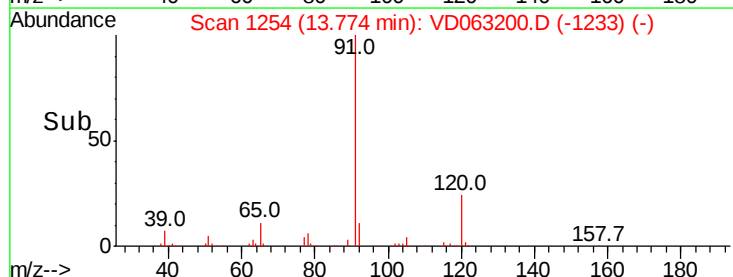
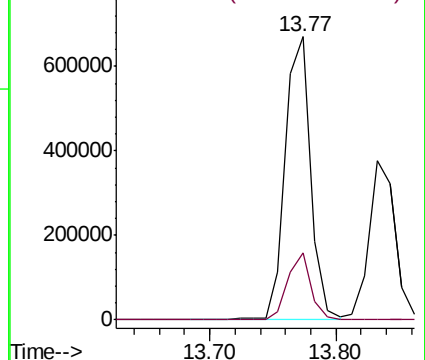
91 100

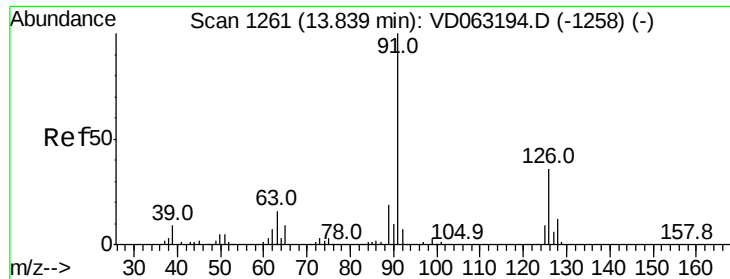
120 23.9 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

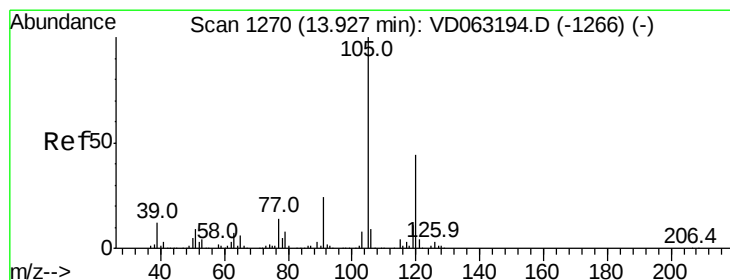
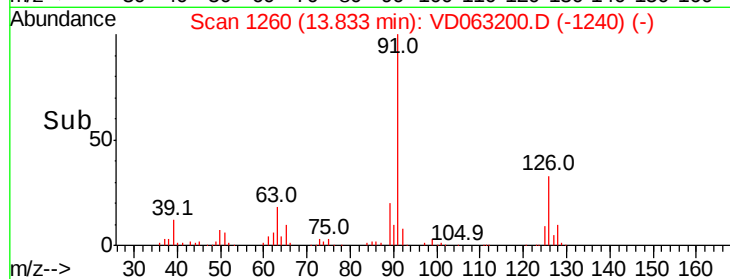
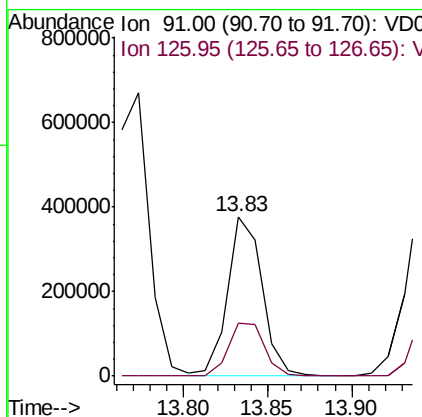
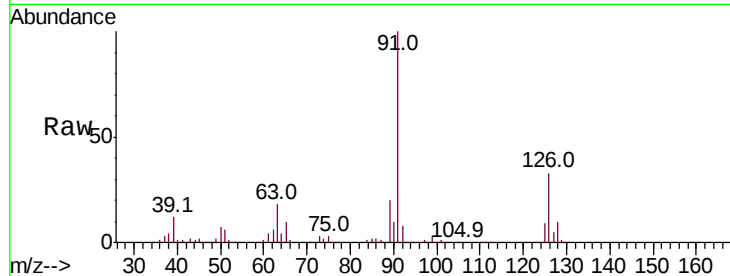




#79
 2-Chlorotoluene
 Concen: 18.302 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

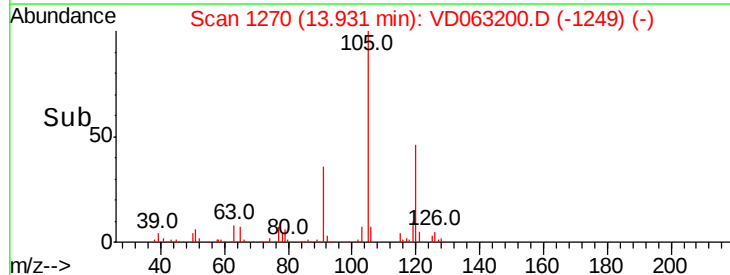
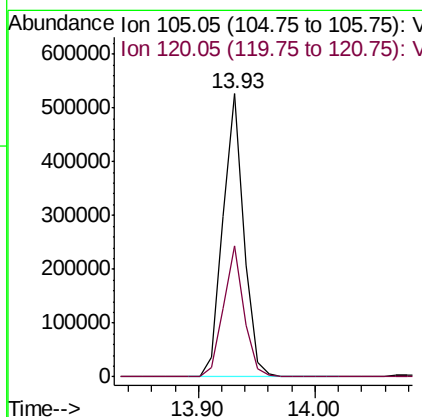
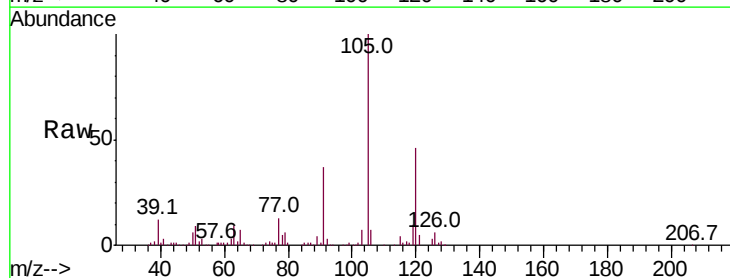
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD01

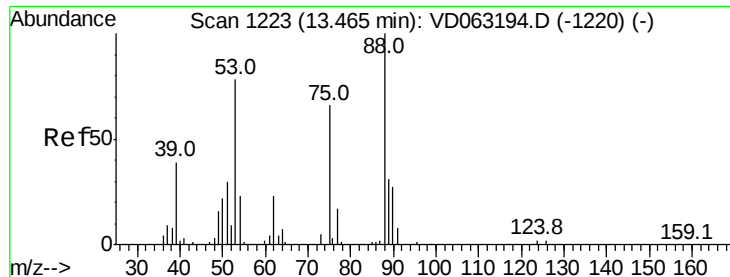
Tot Ion: 91 Resp: 537350
 Ion Ratio Lower Upper
 91 100
 126 33.1 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 17.854 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion:105 Resp: 655660
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.124 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD01

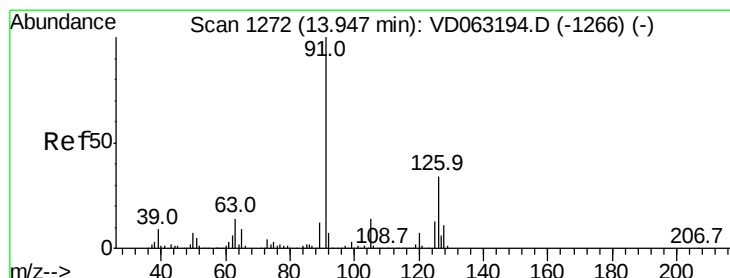
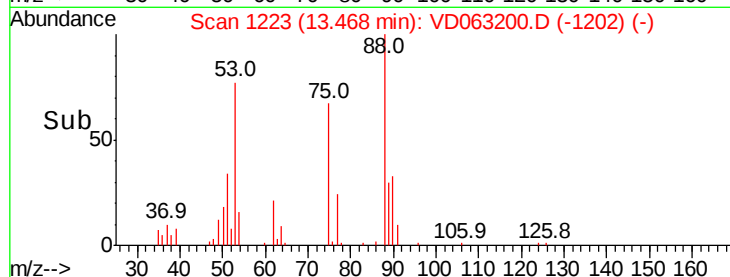
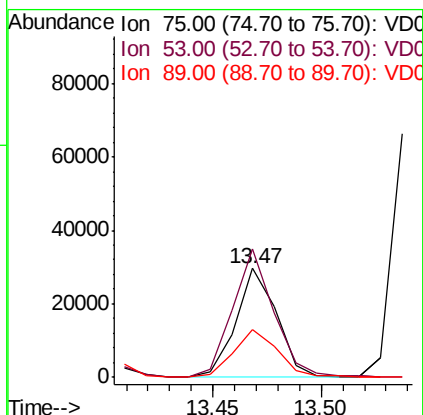
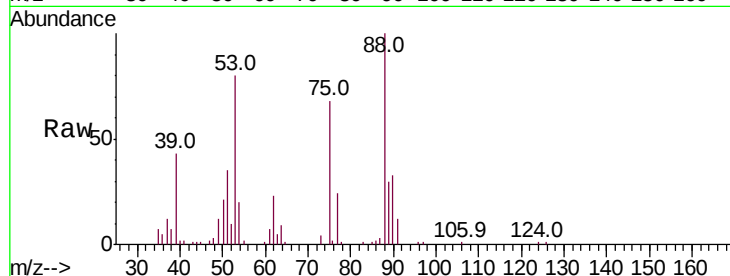
Tot Ion: 75 Resp: 38746

Ion Ratio Lower Upper

75 100

53 117.6 94.9 142.3

89 44.4 37.4 56.0



#82

4-Chlorotoluene

Concen: 18.255 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063200.D

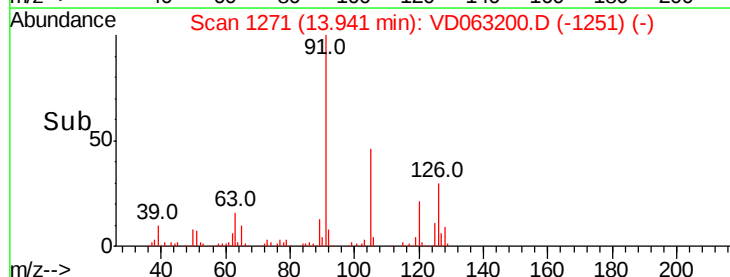
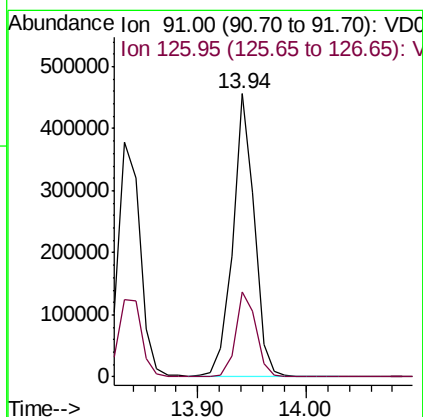
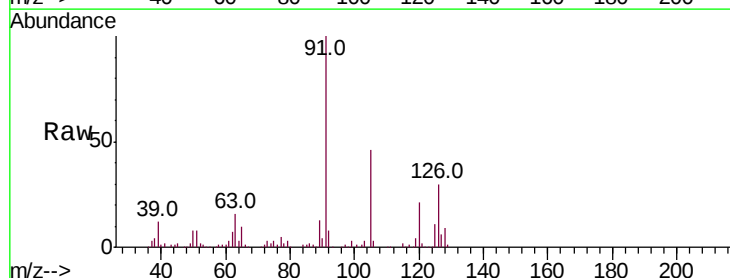
Acq: 29 Jul 2019 15:45

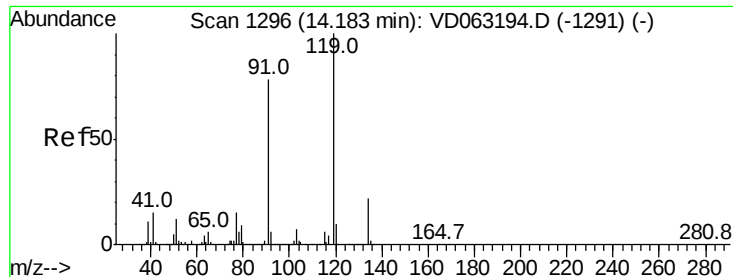
Tgt Ion: 91 Resp: 630747

Ion Ratio Lower Upper

91 100

126 30.1 17.1 51.2





#83

tert-Butylbenzene

Concen: 17.963 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

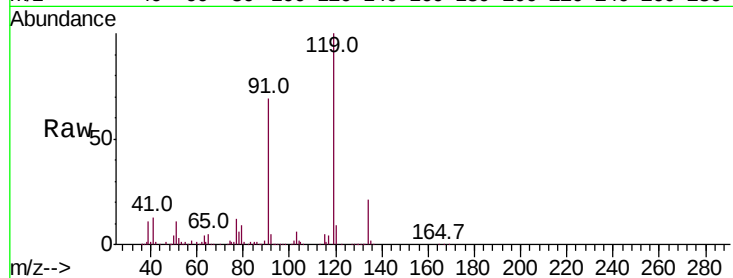
Tot Ion:119 Resp: 753218

Ion Ratio Lower Upper

119 100

91 69.3 39.1 117.5

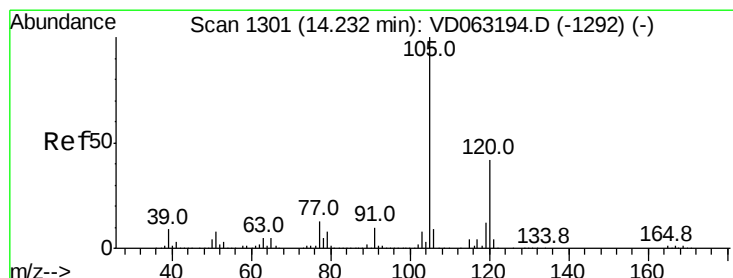
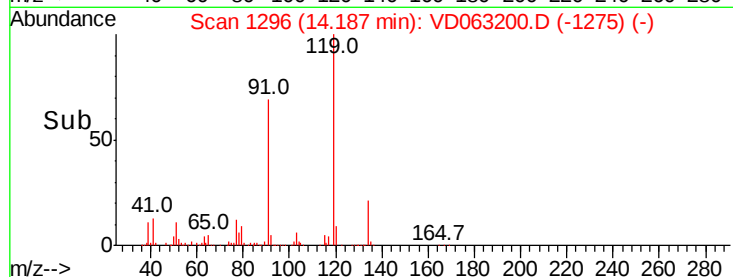
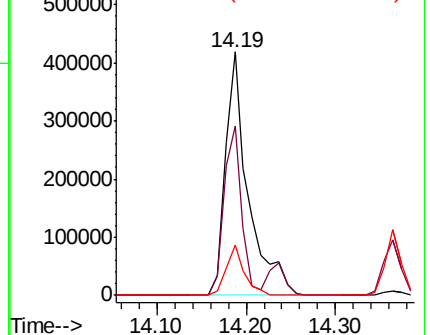
134 20.5 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.540 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD063200.D

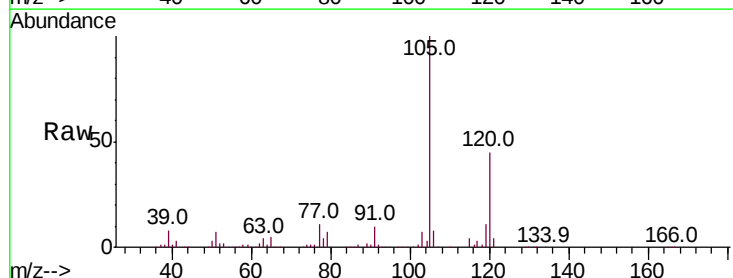
Acq: 29 Jul 2019 15:45

Tgt Ion:105 Resp: 704240

Ion Ratio Lower Upper

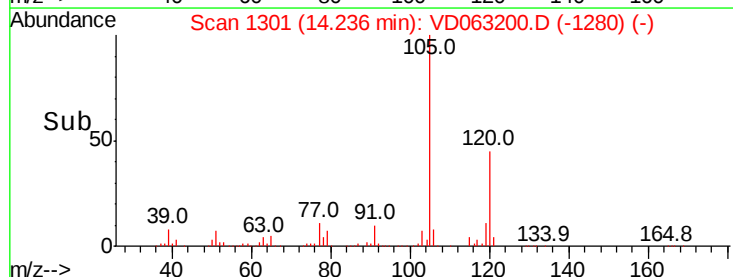
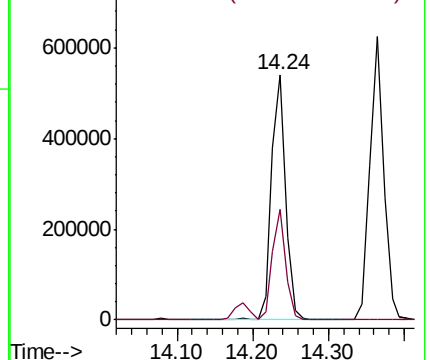
105 100

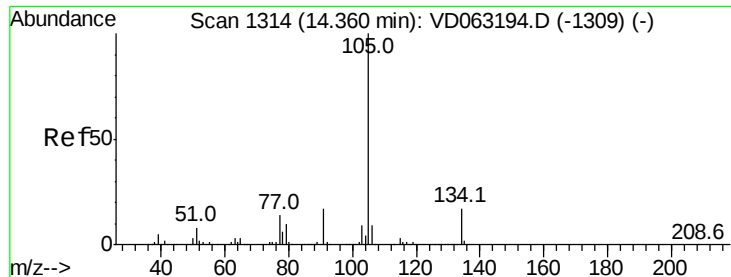
120 44.9 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 17.824 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

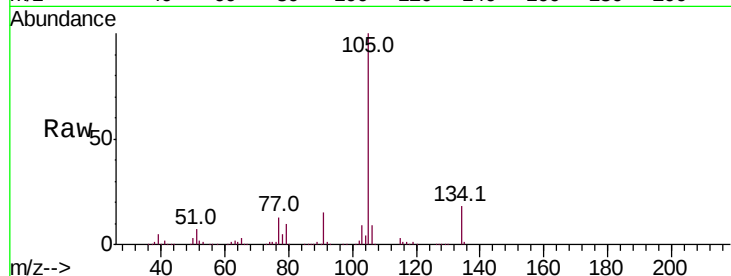
VD0729SBS01

Tot Ion:105 Resp: 787444

Ion Ratio Lower Upper

105 100

134 18.2 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.36

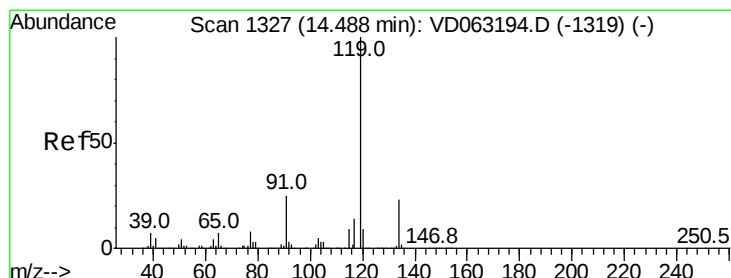
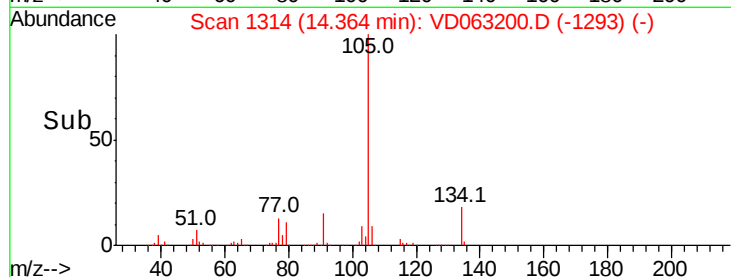
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.088 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

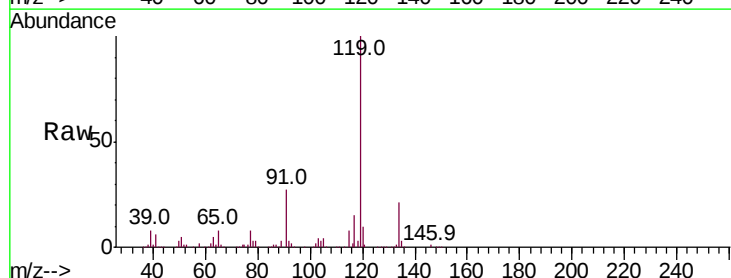
Tgt Ion:119 Resp: 804869

Ion Ratio Lower Upper

119 100

134 20.8 11.5 34.5

91 26.8 12.6 37.6



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

800000

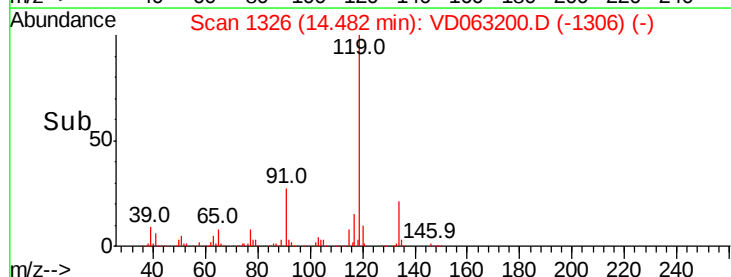
600000

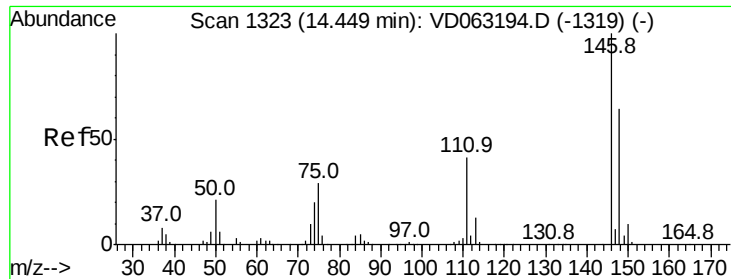
400000

200000

0

Time-->

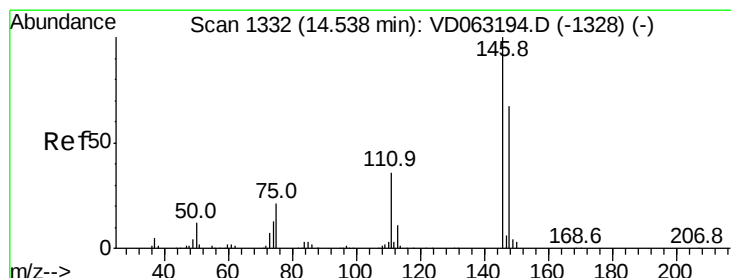
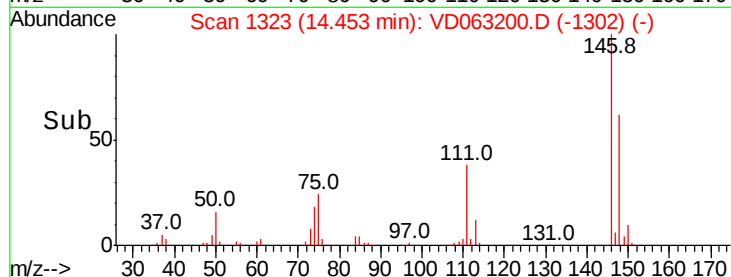
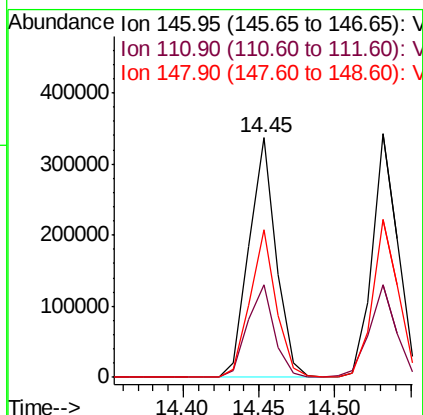
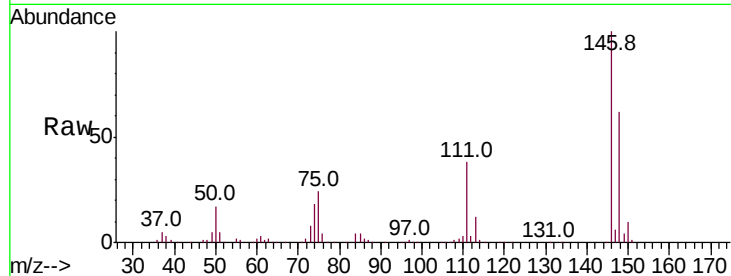




#87
 1,3-Dichlorobenzene
 Concen: 19.596 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

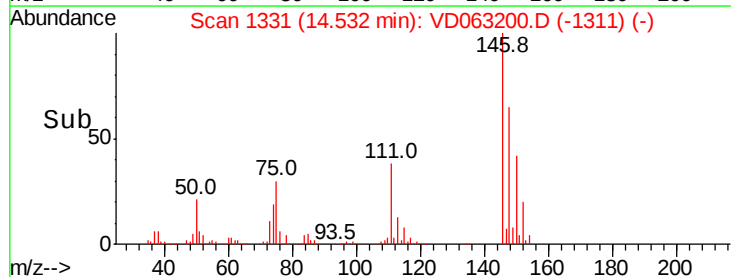
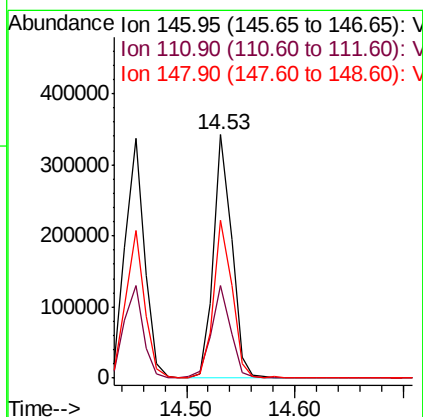
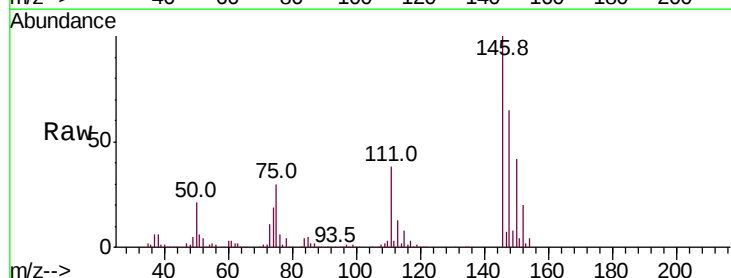
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

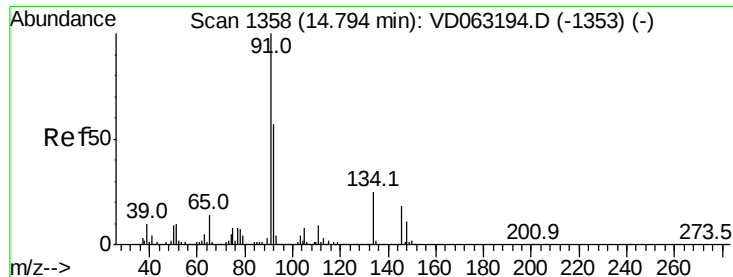
Tot Ion:146 Resp: 420931
 Ion Ratio Lower Upper
 146 100
 111 38.4 20.4 61.3
 148 61.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.669 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion:146 Resp: 405512
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.1 54.3
 148 64.9 33.4 100.1

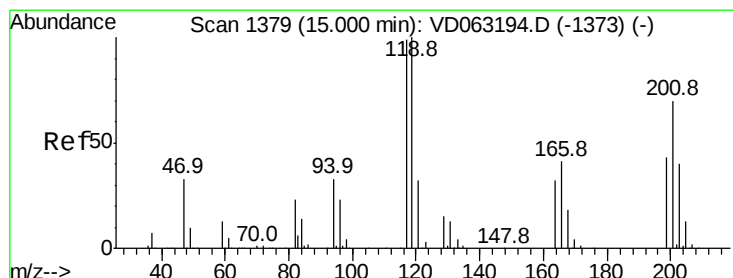
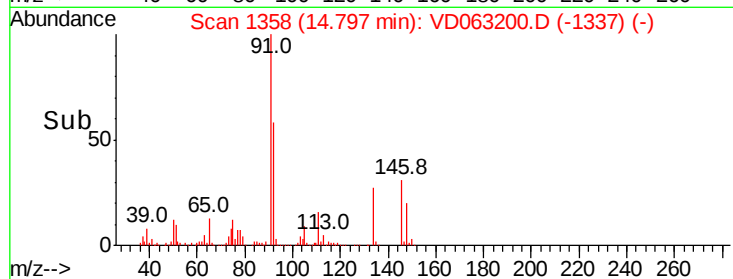
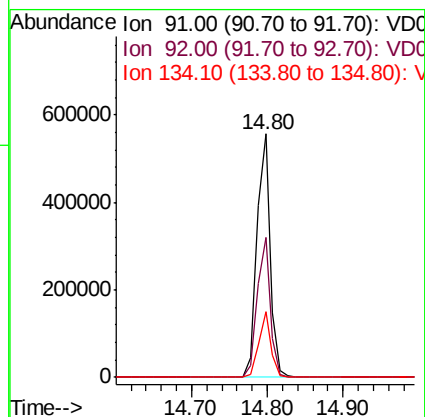
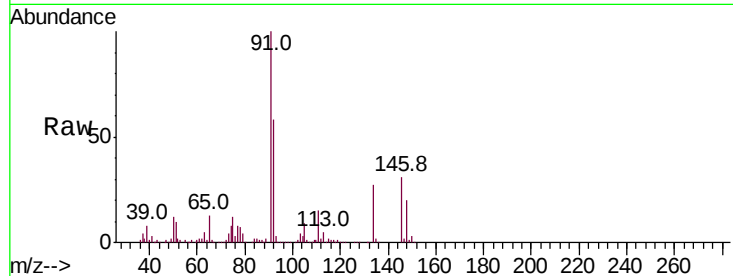




#89
n-Butylbenzene
Concen: 18.986 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

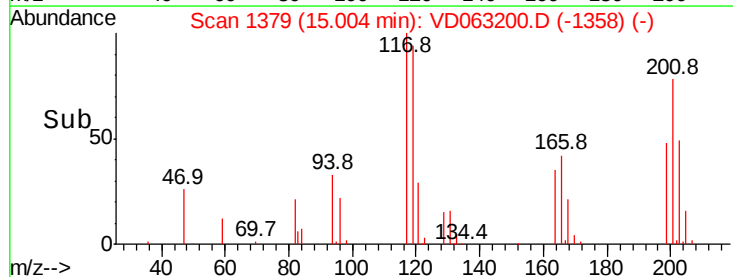
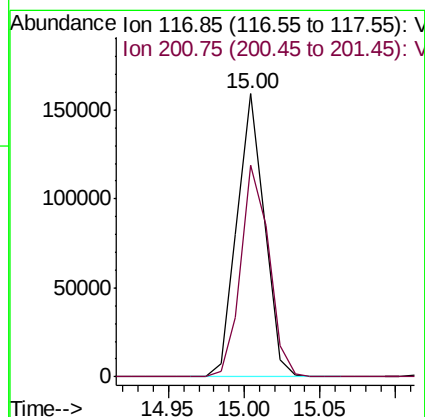
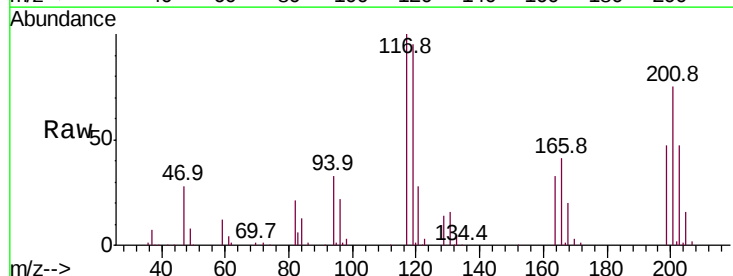
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

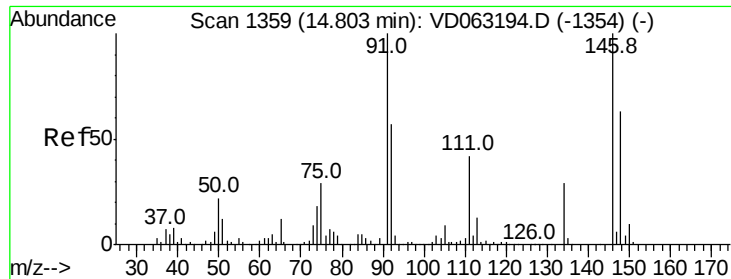
Tot Ion: 91 Resp: 691447
Ion Ratio Lower Upper
91 100
92 57.5 28.3 85.0
134 26.9 12.3 36.8



#90
Hexachloroethane
Concen: 18.248 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 117 Resp: 200476
Ion Ratio Lower Upper
117 100
201 75.0 35.2 105.6

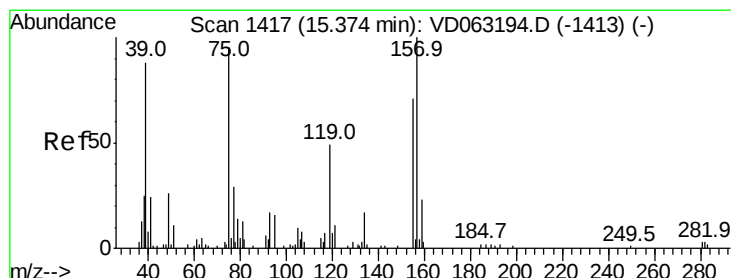
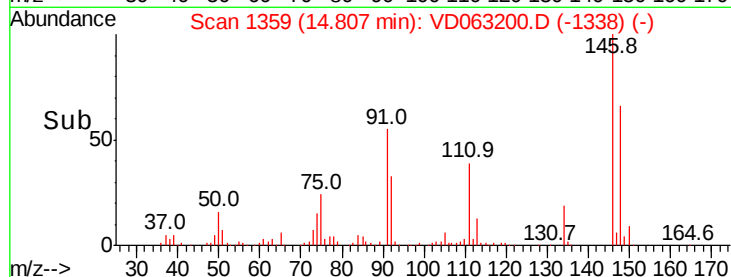
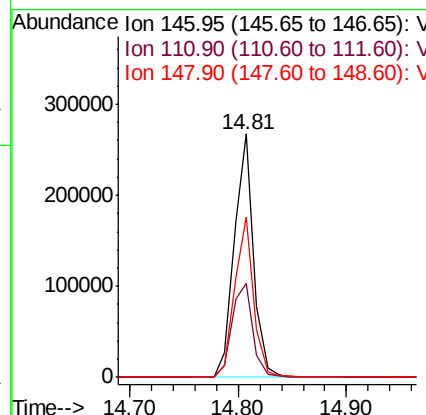
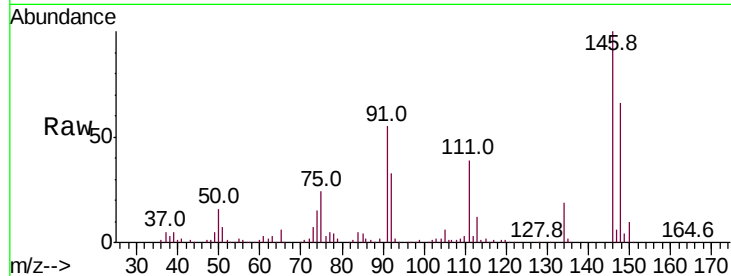




#91
 1,2-Dichlorobenzene
 Concen: 17.757 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

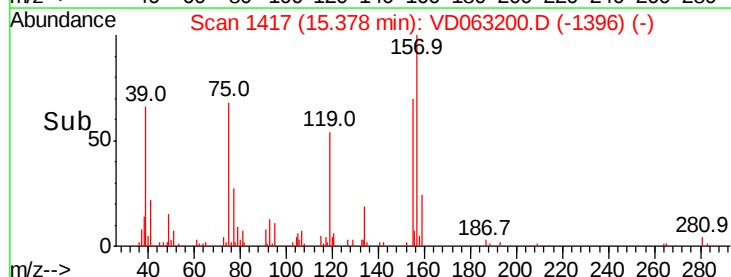
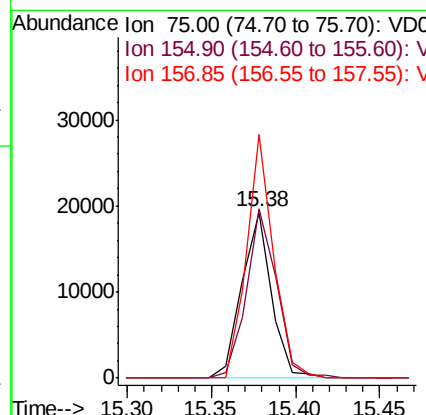
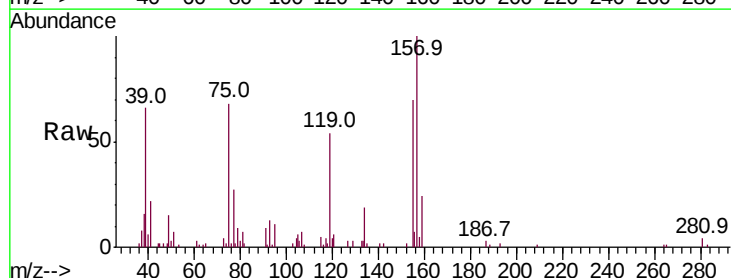
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD01

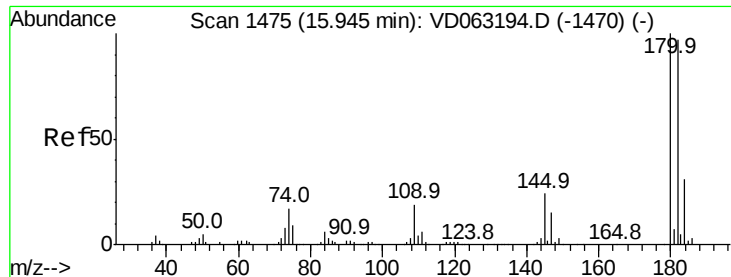
Tot Ion:146 Resp: 332329
 Ion Ratio Lower Upper
 146 100
 111 38.7 21.1 63.3
 148 66.0 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.947 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion: 75 Resp: 23494
 Ion Ratio Lower Upper
 75 100
 155 102.2 37.0 111.0
 157 146.7 52.4 157.2

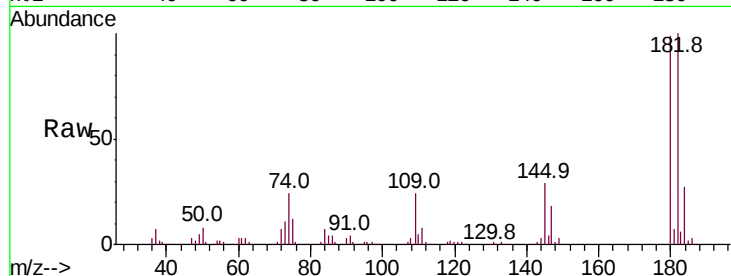




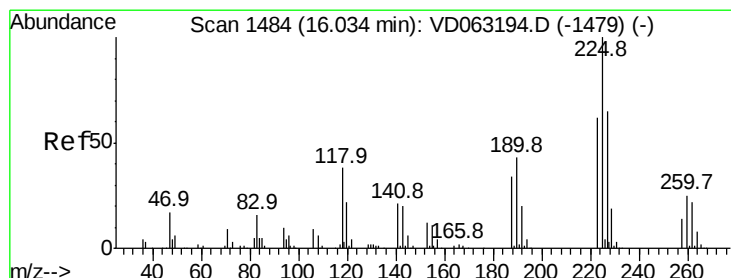
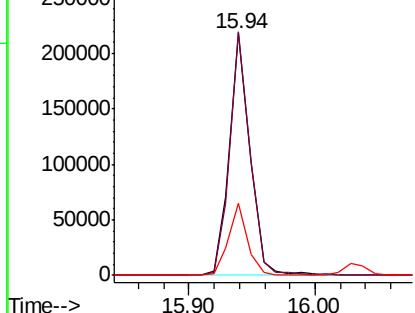
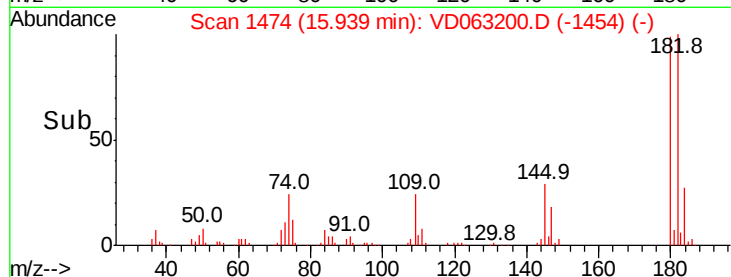
#93
 1,2,4-Trichlorobenzene
 Concen: 16.539 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.7	48.6	145.8
145	29.7	12.2	36.6

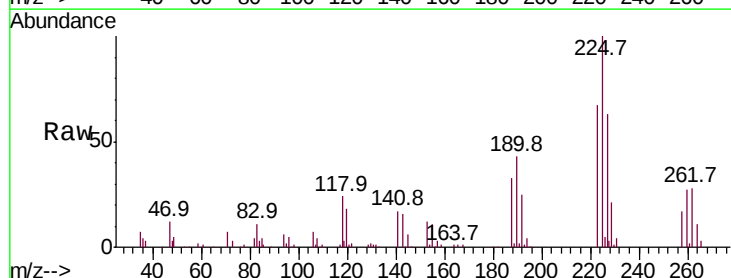


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

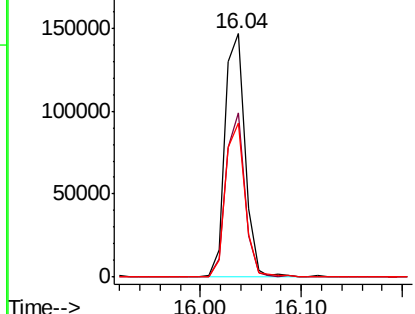
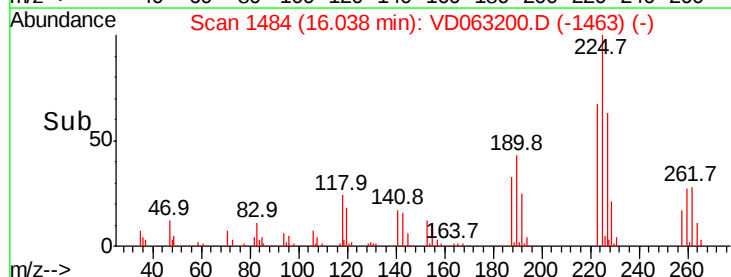


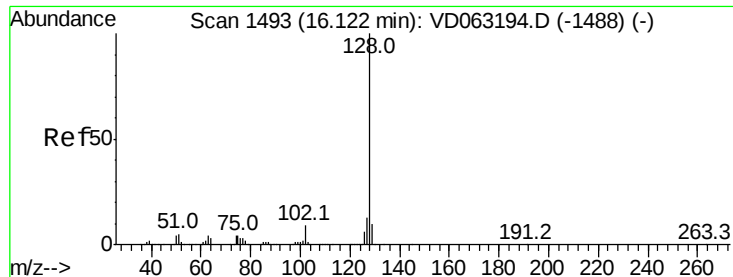
#94
 Hexachlorobutadiene
 Concen: 18.884 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.3	30.9	92.5
227	63.1	32.6	97.7



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

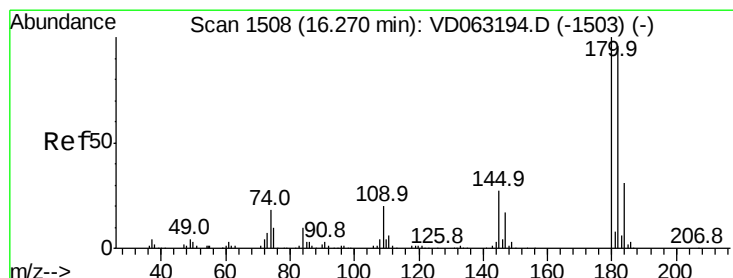
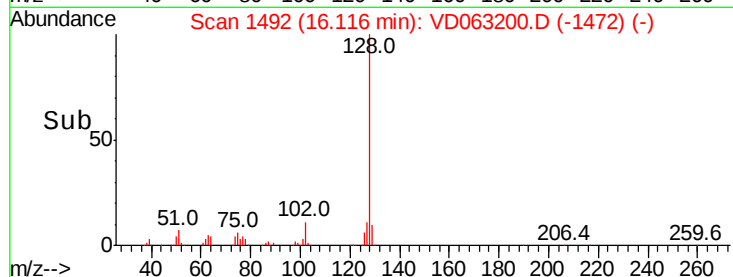
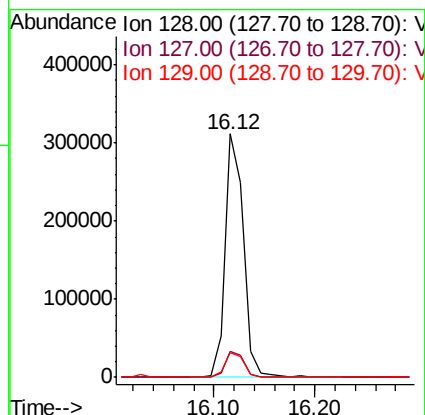
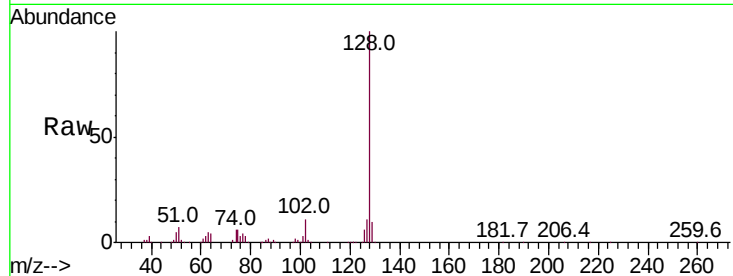




#95
Naphthalene
Concen: 18.786 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

Tot Ion:128 Resp: 394224
Ion Ratio Lower Upper
128 100
127 10.7 10.2 15.4
129 10.0 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 17.130 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion:180 Resp: 200916
Ion Ratio Lower Upper
180 100
182 99.4 48.3 144.9
145 28.9 13.6 40.7

