

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080319\
 Data File : VD063355.D
 Acq On : 3 Aug 2019 12:25
 Operator : VA/AP
 Sample : VD0803SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

Quant Time: Aug 04 06:05:50 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	7.04	168	1068799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1509281	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1247971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	653672	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	573789	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
35) Dibromofluoromethane	6.92	113	645554	50.10	ug/l	0.01
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	10.41	98	1458281	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	13.56	95	651813	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	293796	22.488	ug/l	100
3) Chloromethane	1.74	50	219272	21.602	ug/l	97
4) Vinyl Chloride	1.84	62	226601	21.565	ug/l	99
5) Bromomethane	2.15	94	81434	15.366	ug/l	93
6) Chloroethane	2.26	64	94654	19.510	ug/l #	86
7) Trichlorofluoromethane	2.52	101	435586	21.367	ug/l	99
8) Diethyl Ether	2.87	74	52211	18.300	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.14	101	246865	21.861	ug/l	100
10) Methyl Iodide	3.30	142	299169	18.339	ug/l	95
11) Tert butyl alcohol	4.08	59	41143	79.053	ug/l	97
12) 1,1-Dichloroethene	3.11	96	183931	22.187	ug/l	89
13) Acrolein	3.03	56	36226	72.325	ug/l	90
14) Allyl chloride	3.60	41	262535	19.880	ug/l	97
15) Acrylonitrile	4.18	53	128985	95.594	ug/l	95
16) Acetone	3.22	43	208166	90.089	ug/l	94
17) Carbon Disulfide	3.36	76	588046	21.193	ug/l	99
18) Methyl Acetate	3.63	43	87628	19.743	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	373574	19.949	ug/l	100
20) Methylene Chloride	3.80	84	185821	19.895	ug/l	99
21) trans-1,2-Dichloroethene	4.20	96	189413	20.363	ug/l	99
22) Diisopropyl ether	5.11	45	546772	20.723	ug/l	94
23) Vinyl Acetate	5.04	43	1586220	97.802	ug/l	100
24) 1,1-Dichloroethane	4.97	63	352672	20.926	ug/l	97
25) 2-Butanone	6.06	43	216295	93.273	ug/l	95
26) 2,2-Dichloropropane	6.02	77	348510	20.066	ug/l	89
27) cis-1,2-Dichloroethene	6.04	96	212192	21.277	ug/l	89
28) Bromochloromethane	6.43	49	135963	20.248	ug/l #	98
29) Tetrahydrofuran	6.45	42	105190	95.810	ug/l	98
30) Chloroform	6.66	83	421068	20.132	ug/l	99
31) Cyclohexane	6.95	56	214475	20.303	ug/l	89
32) 1,1,1-Trichloroethane	6.86	97	428588	21.185	ug/l	95
36) 1,1-Dichloropropene	7.14	75	300071	21.785	ug/l	98
37) Ethyl Acetate	6.18	43	110533	17.862	ug/l #	96
38) Carbon Tetrachloride	7.11	117	418709	20.192	ug/l	96

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 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)
39) Methylcyclohexane	8.86	83	242608	21.140	ug/l	91
40) Benzene	7.44	78	590171	20.444	ug/l	99
41) Methacrylonitrile	6.45	41	138376	18.694	ug/l #	99
42) 1,2-Dichloroethane	7.57	62	305836	19.990	ug/l	99
43) Isopropyl Acetate	9.24	43	154474	19.542	ug/l #	95
44) Trichloroethene	8.54	130	245490	20.986	ug/l	100
45) 1,2-Dichloropropane	8.94	63	138222	18.838	ug/l	95
46) Dibromomethane	9.06	93	119589	19.602	ug/l	84
47) Bromodichloromethane	9.37	83	300558	19.326	ug/l	99
48) Methyl methacrylate	9.12	41	108111	21.088	ug/l	88
49) 1,4-Dioxane	9.09	88	17279	395.380	ug/l #	78
51) 4-Methyl-2-Pentanone	10.30	43	508127	94.520	ug/l	95
52) Toluene	10.51	92	405168	21.102	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	255111	19.027	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	286218	20.311	ug/l	92
55) 1,1,2-Trichloroethane	11.19	97	130702	20.156	ug/l #	90
56) Ethyl methacrylate	11.05	69	127848	18.005	ug/l	90
57) 1,3-Dichloropropane	11.41	76	191351	18.729	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	403107	109.101	ug/l	99
59) 2-Hexanone	11.54	43	366561	94.619	ug/l	99
60) Dibromochloromethane	11.69	129	237148	19.372	ug/l	98
61) 1,2-Dibromoethane	11.80	107	157608	19.697	ug/l	91
64) Tetrachloroethene	11.26	164	213442	21.468	ug/l	93
65) Chlorobenzene	12.40	112	519486	21.642	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.51	131	211734	20.025	ug/l	87
67) Ethyl Benzene	12.52	91	834805	20.472	ug/l	99
68) m/p-Xylenes	12.67	106	626198	41.874	ug/l	96
69) o-Xylene	13.05	106	280729	20.442	ug/l	99
70) Styrene	13.07	104	501305	20.584	ug/l	99
71) Bromoform	13.24	173	142010	18.469	ug/l	98
73) Isopropylbenzene	13.41	105	915747	22.321	ug/l	97
74) N-amyl acetate	13.27	43	202661	18.686	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	131620	18.887	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	147631	18.803	ug/l	97
77) Bromobenzene	13.67	156	239827	20.520	ug/l	85
78) n-propylbenzene	13.77	91	1010067	20.689	ug/l	96
79) 2-Chlorotoluene	13.84	91	606303	21.432	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	749639	21.185	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	42888	19.672	ug/l	94
82) 4-Chlorotoluene	13.95	91	705144	21.180	ug/l	96
83) tert-Butylbenzene	14.20	119	851870	21.084	ug/l	88
84) 1,2,4-Trimethylbenzene	14.24	105	732667	20.018	ug/l	97
85) sec-Butylbenzene	14.37	105	884266	20.773	ug/l	100
86) p-Isopropyltoluene	14.49	119	812017	19.986	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	420429	20.313	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	440117	21.029	ug/l	100
89) n-Butylbenzene	14.80	91	718666	20.480	ug/l	97
90) Hexachloroethane	15.01	117	206940	19.550	ug/l	92
91) 1,2-Dichlorobenzene	14.82	146	359388	19.929	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	25442	17.923	ug/l	79

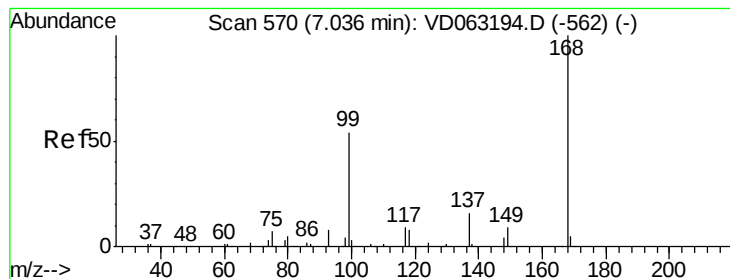
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080319\
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	278294	19.453	ug/l	98
94) Hexachlorobutadiene	16.04	225	205327	19.806	ug/l	98
95) Naphthalene	16.13	128	359972	17.803	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	203789	18.032	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

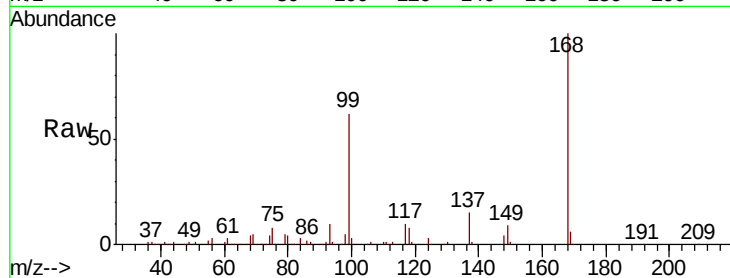
VD0803SBS01

Tot Ion:168 Resp: 1068799

Ion Ratio Lower Upper

168 100

99 61.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

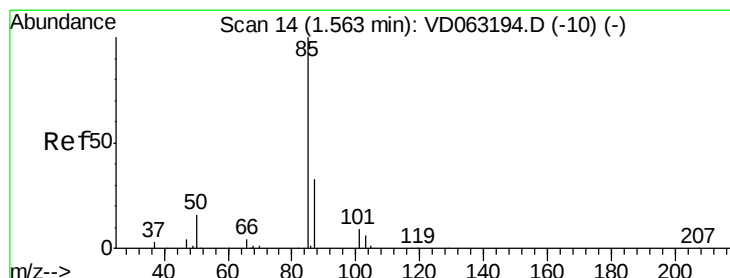
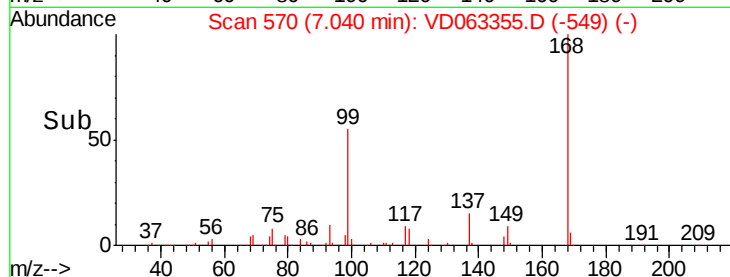
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.488 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063355.D

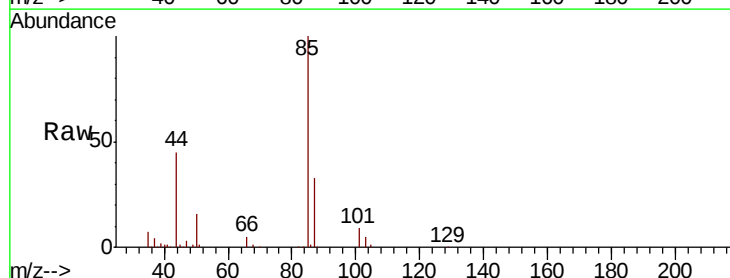
Acq: 3 Aug 2019 12:25

Tgt Ion: 85 Resp: 293796

Ion Ratio Lower Upper

85 100

87 32.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

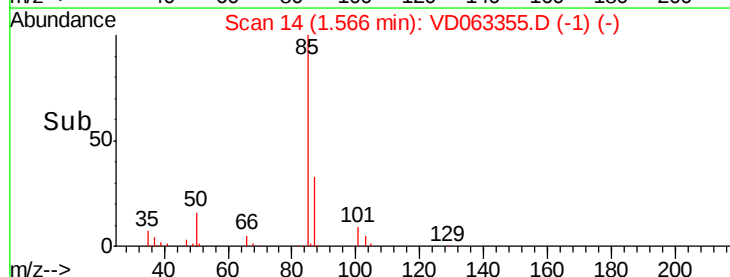
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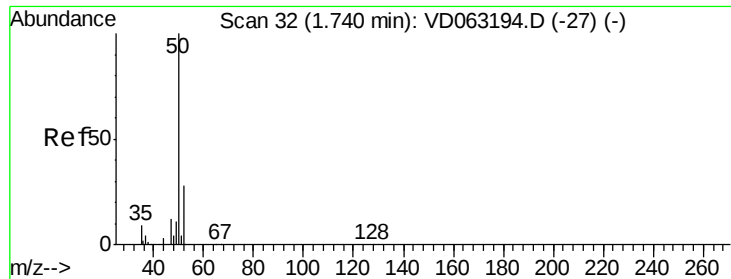
100000

50000

0

Time-->





#3

Chloromethane

Concen: 21.602 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

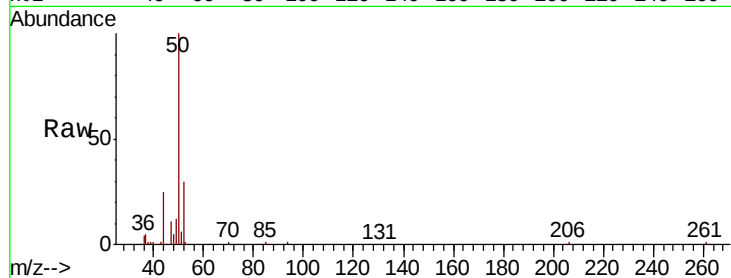
VD0803SBS01

Tot Ion: 50 Resp: 219272

Ion Ratio Lower Upper

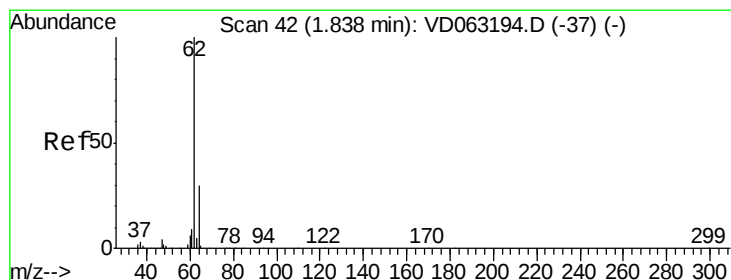
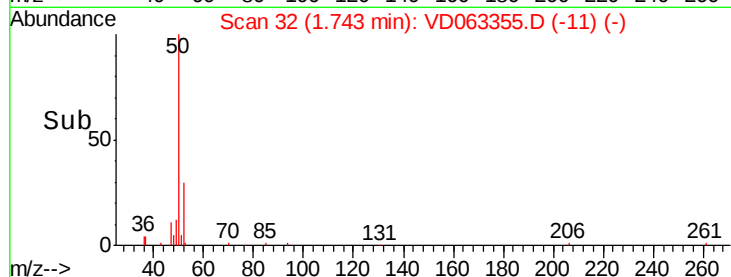
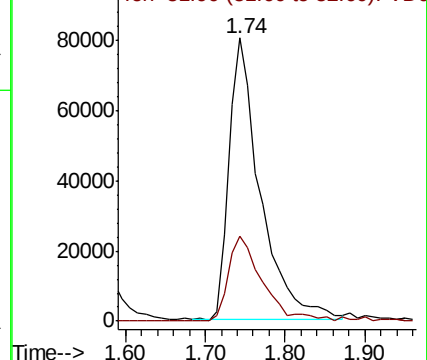
50 100

52 29.8 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: 21.565 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063355.D

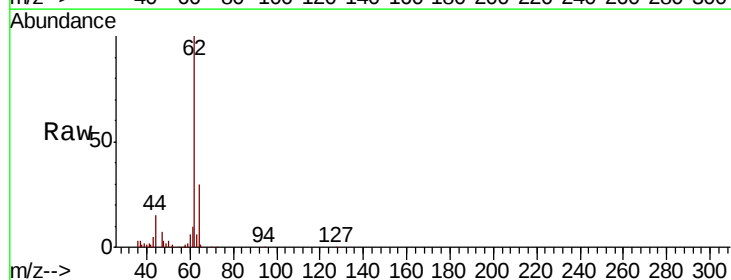
Acq: 3 Aug 2019 12:25

Tgt Ion: 62 Resp: 226601

Ion Ratio Lower Upper

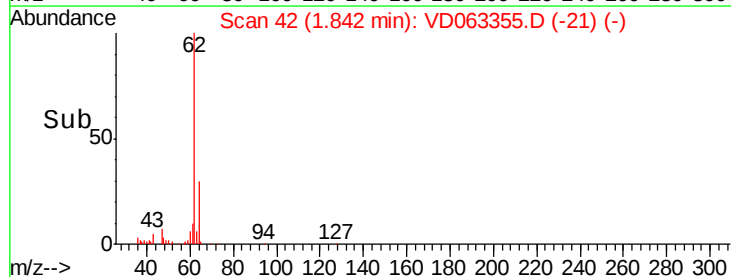
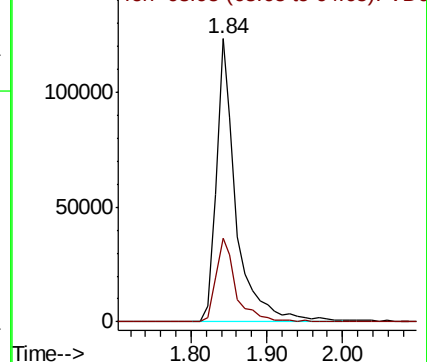
62 100

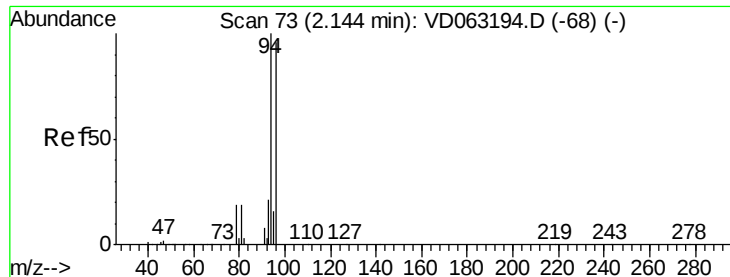
64 29.7 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.366 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

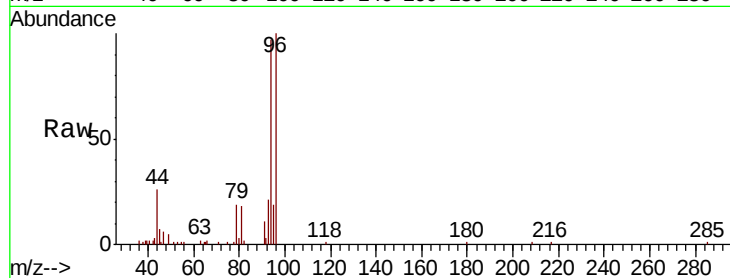
Tot Ion: 94 Resp: 81434

Ion Ratio Lower Upper

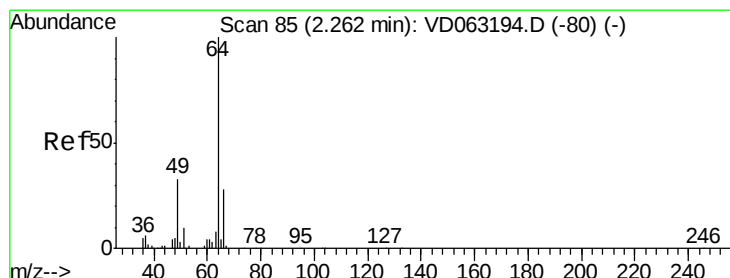
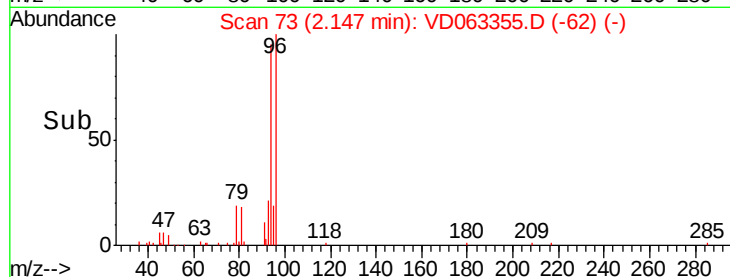
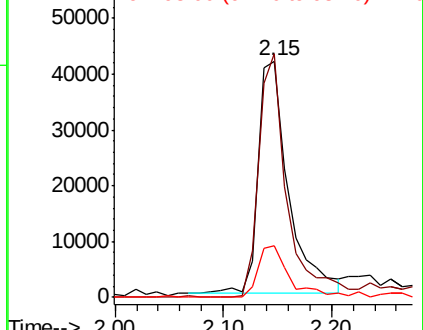
94 100

96 103.0 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: 19.510 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063355.D

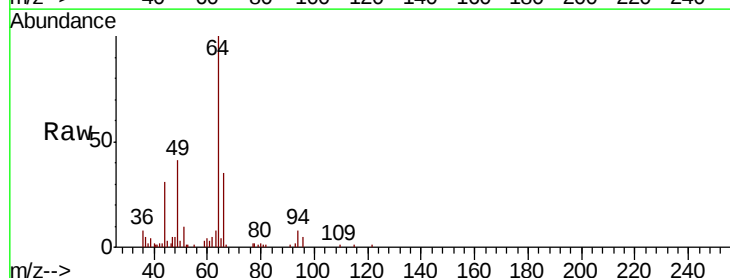
Acq: 3 Aug 2019 12:25

Tgt Ion: 64 Resp: 94654

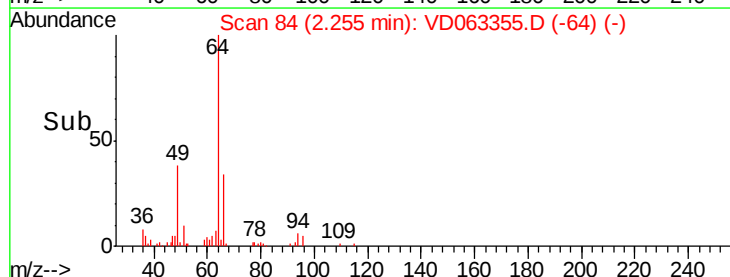
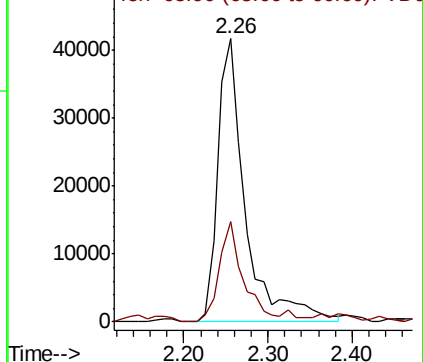
Ion Ratio Lower Upper

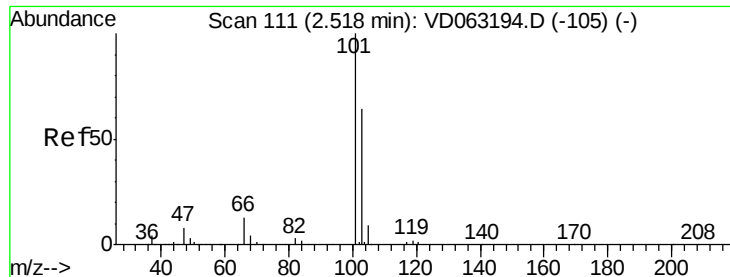
64 100

66 35.3 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



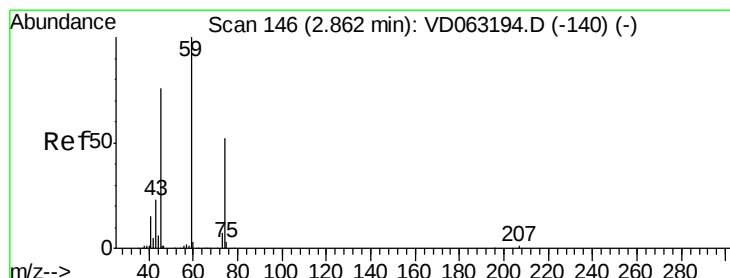
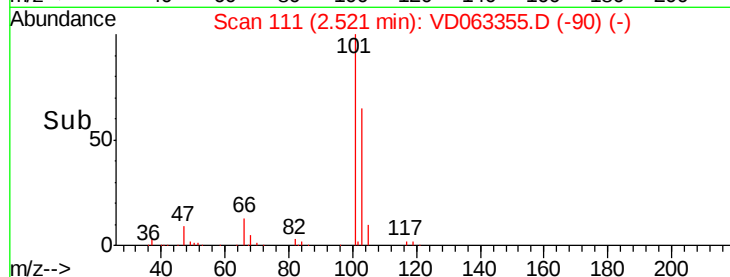
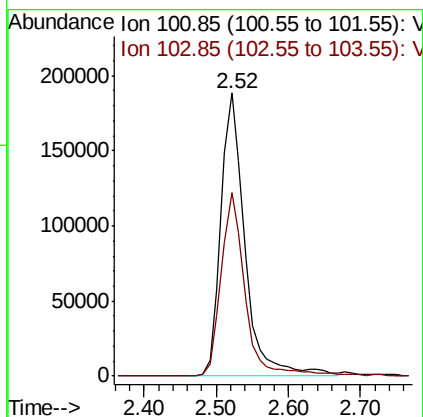
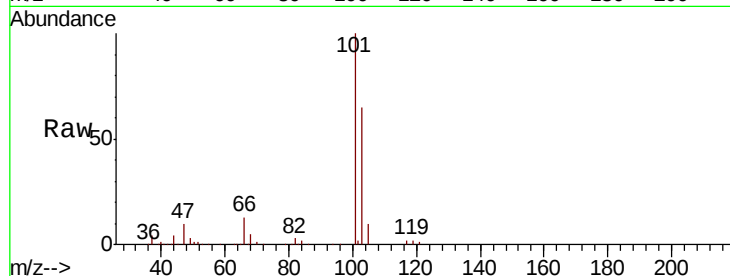


#7

Trichlorofluoromethane
 Concen: 21.367 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

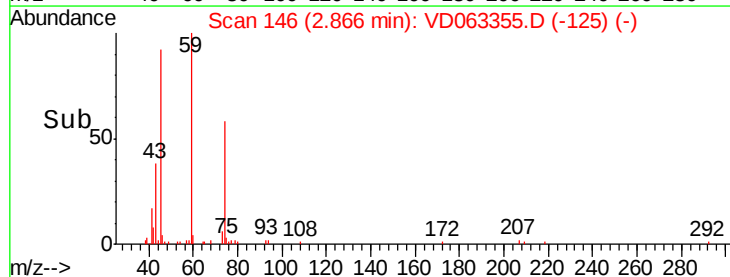
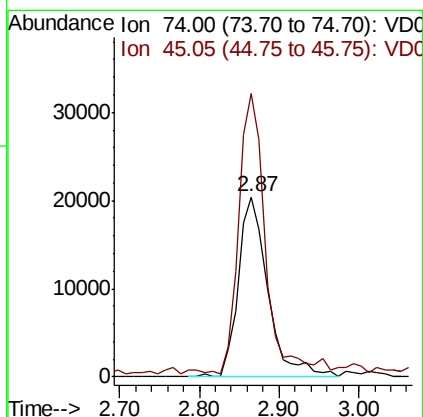
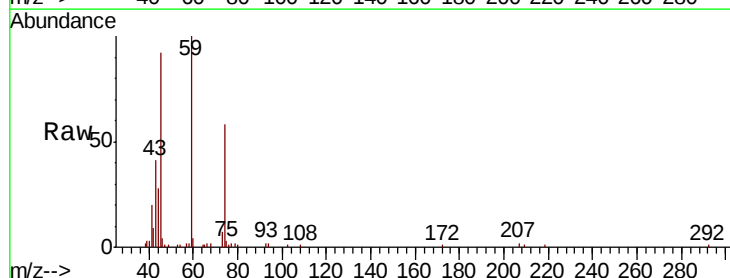
Tot Ion:101 Resp: 435586
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.5 77.3

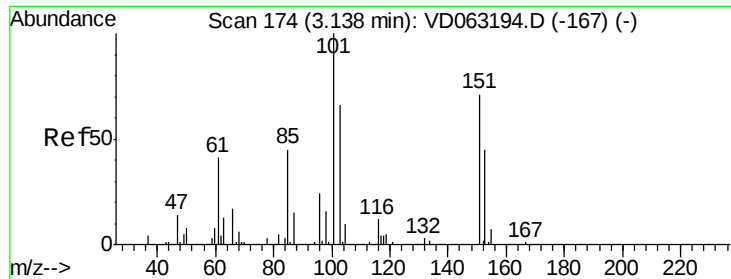


#8

Diethyl Ether
 Concen: 18.300 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Tgt Ion: 74 Resp: 52211
 Ion Ratio Lower Upper
 74 100
 45 157.1 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.861 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

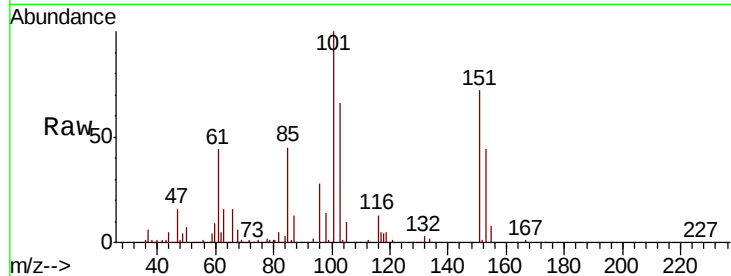
Tot Ion:101 Resp: 246865

Ion Ratio Lower Upper

101 100

85 45.1 36.1 54.1

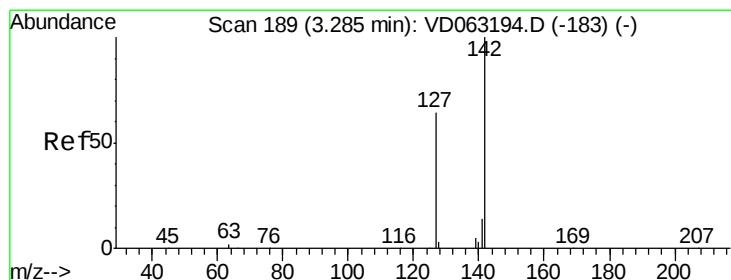
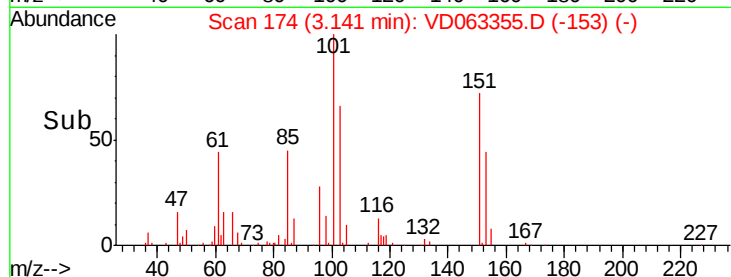
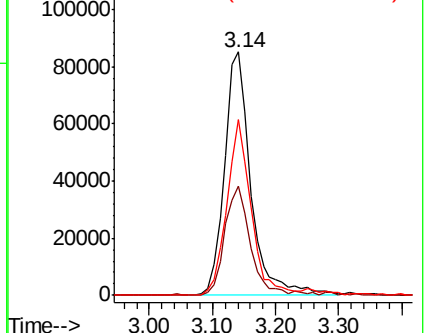
151 72.0 57.1 85.7



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: 18.339 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

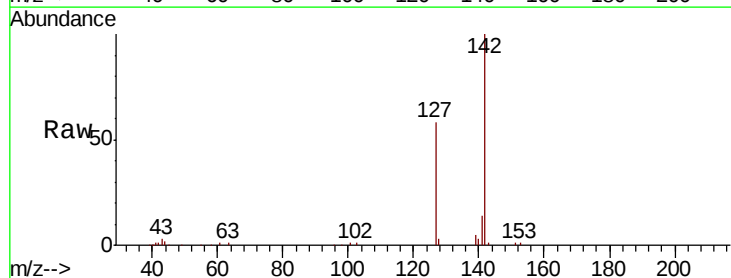
Tgt Ion:142 Resp: 299169

Ion Ratio Lower Upper

142 100

127 58.4 50.8 76.2

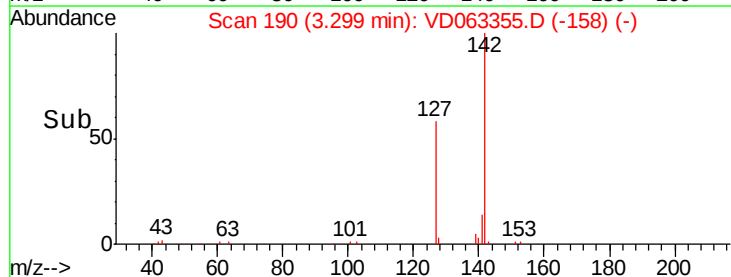
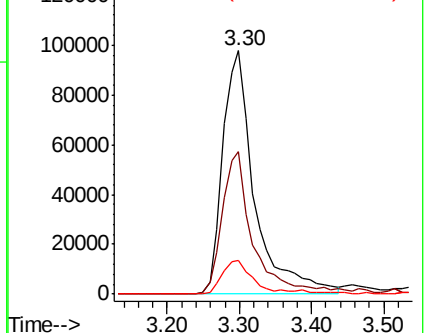
141 14.1 11.4 17.2

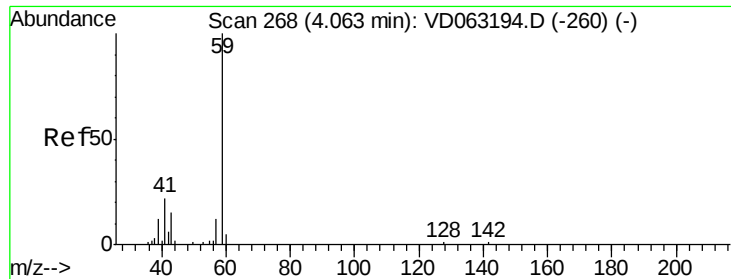


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



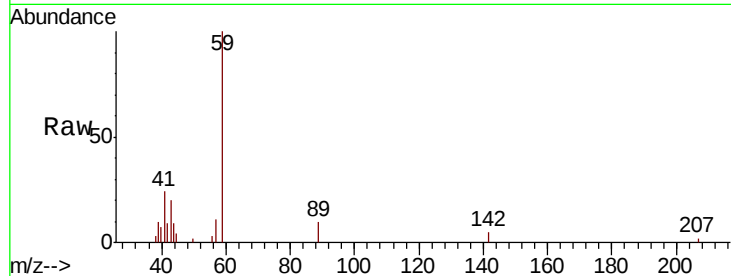


#11

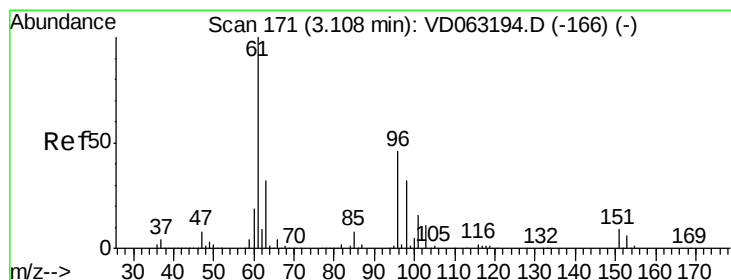
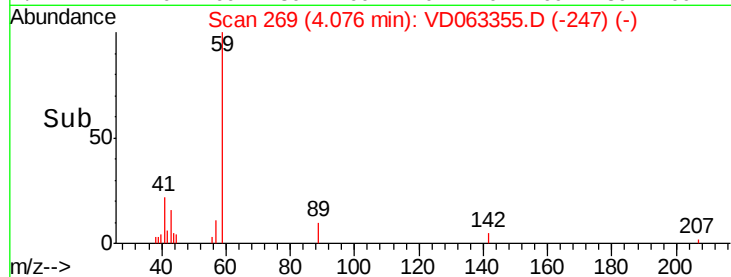
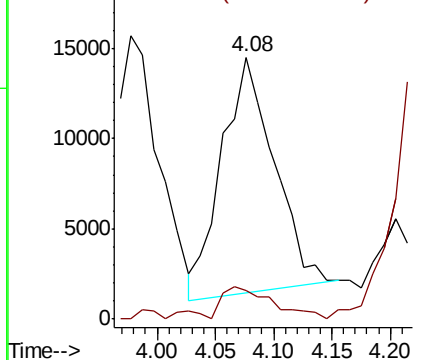
Tert butyl alcohol
Concen: 79.053 ug/l
RT: 4.08 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

Tot Ion: 59 Resp: 41143
Ion Ratio Lower Upper
59 100
57 11.0 9.6 14.4



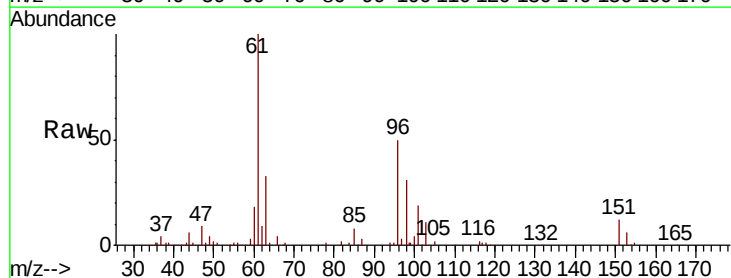
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



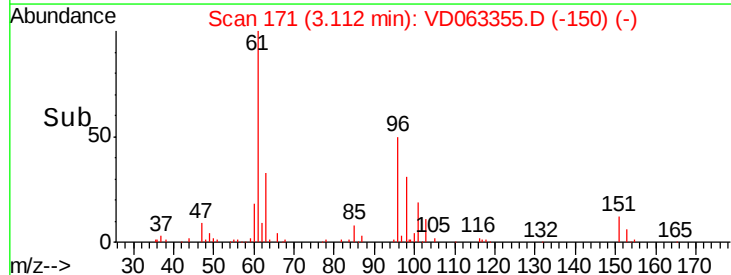
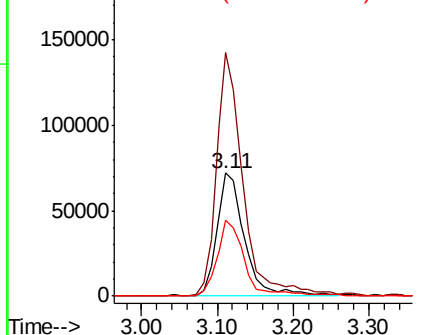
#12

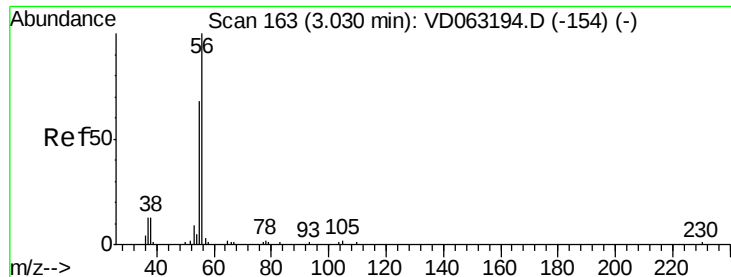
1,1-Dichloroethene
Concen: 22.187 ug/l
RT: 3.11 min Scan# 171
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Tgt Ion: 96 Resp: 183931
Ion Ratio Lower Upper
96 100
61 198.2 173.7 260.5
98 61.5 55.8 83.8



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





#13

Acrolein

Concen: 72.325 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

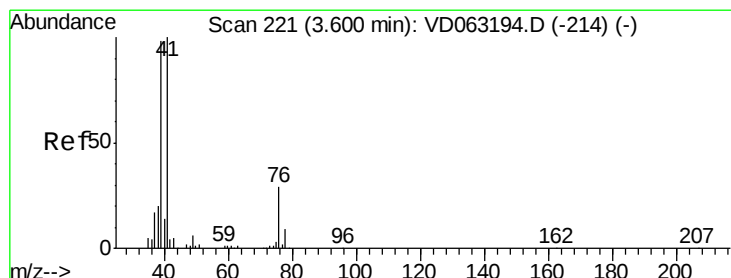
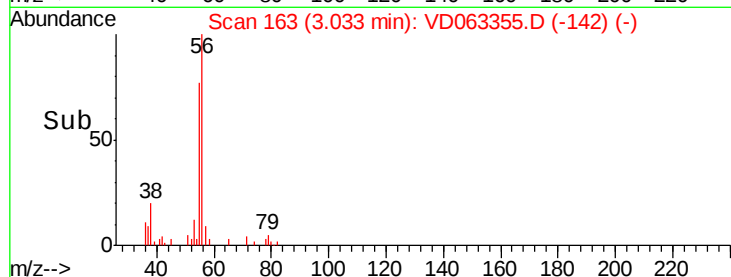
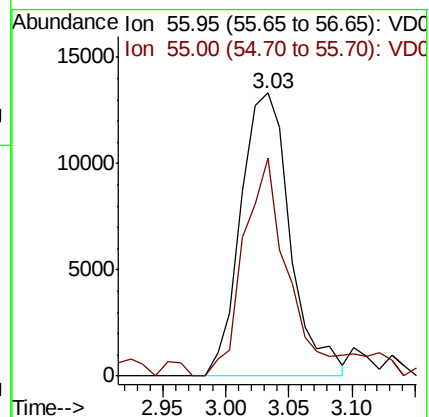
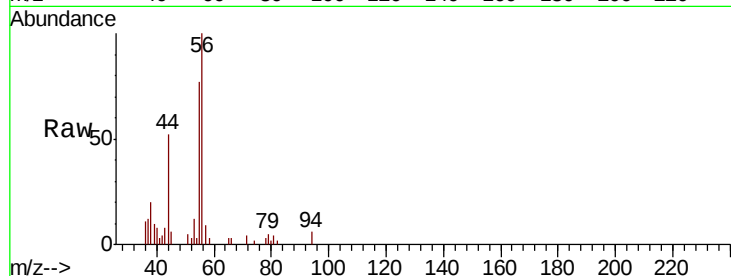
VD0803SBS01

Tot Ion: 56 Resp: 36226

Ion Ratio Lower Upper

56 100

55 77.2 55.3 82.9



#14

Allyl chloride

Concen: 19.880 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

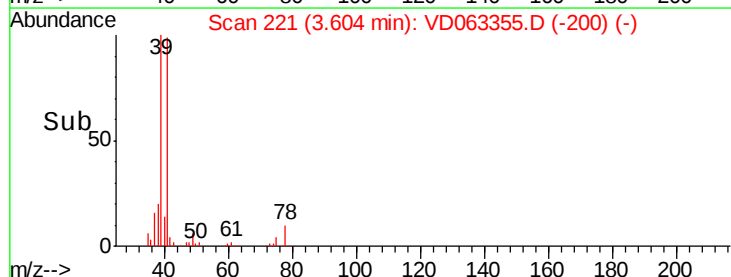
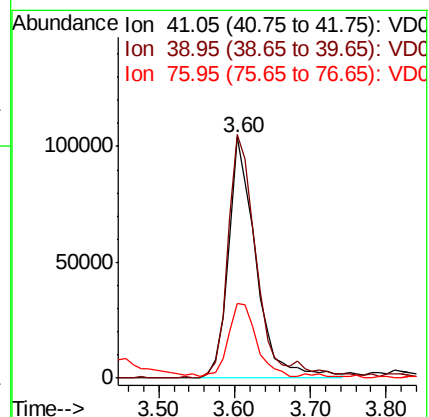
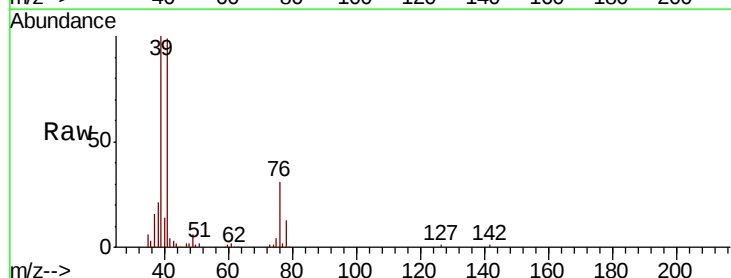
Tgt Ion: 41 Resp: 262535

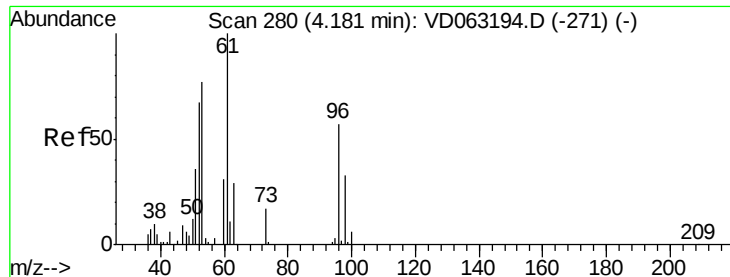
Ion Ratio Lower Upper

41 100

39 101.1 78.6 117.8

76 31.2 24.5 36.7





#15

Acrylonitrile

Concen: 95.594 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

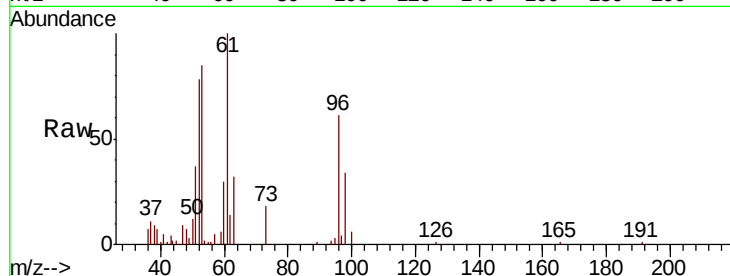
Tot Ion: 53 Resp: 128985

Ion Ratio Lower Upper

53 100

52 91.2 69.7 104.5

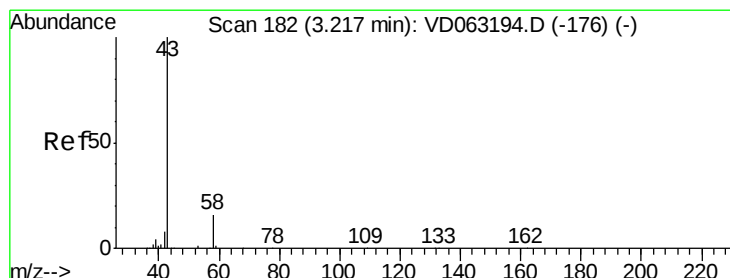
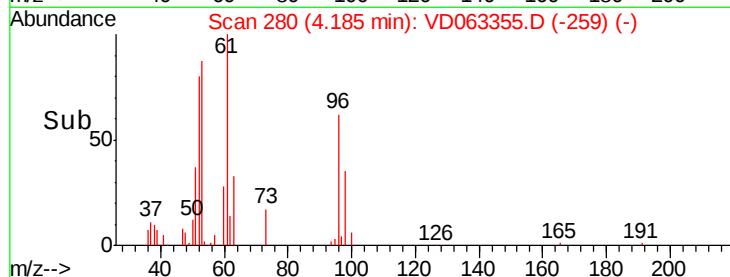
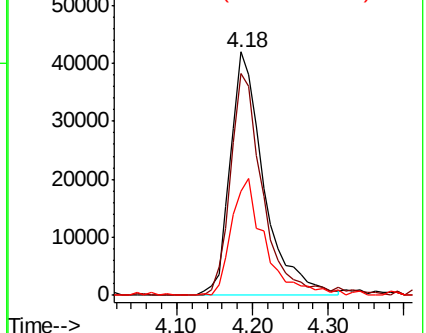
51 42.7 37.4 56.0



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: 90.089 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063355.D

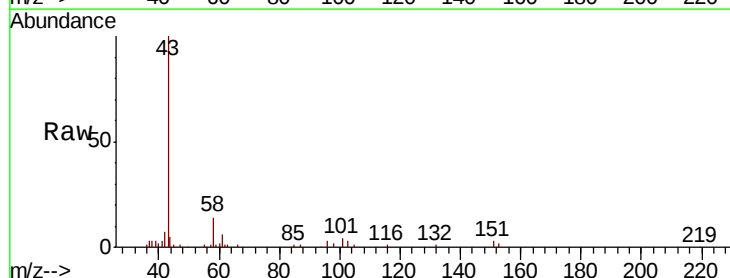
Acq: 3 Aug 2019 12:25

Tgt Ion: 43 Resp: 208166

Ion Ratio Lower Upper

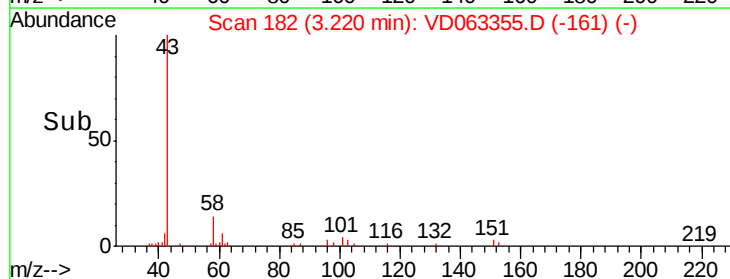
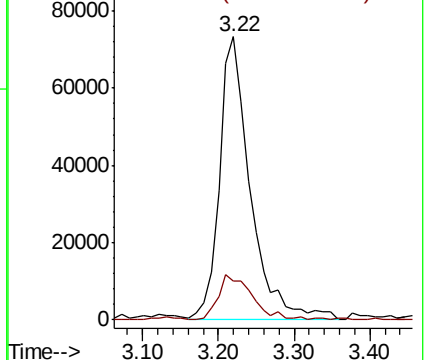
43 100

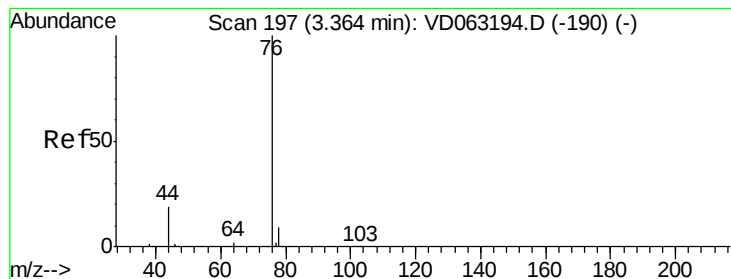
58 13.7 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 21.193 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

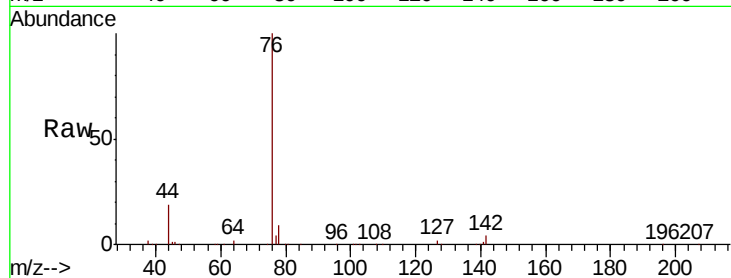
VD0803SBS01

Tot Ion: 76 Resp: 588046

Ion Ratio Lower Upper

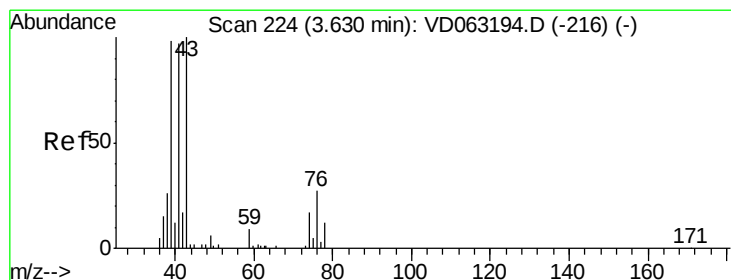
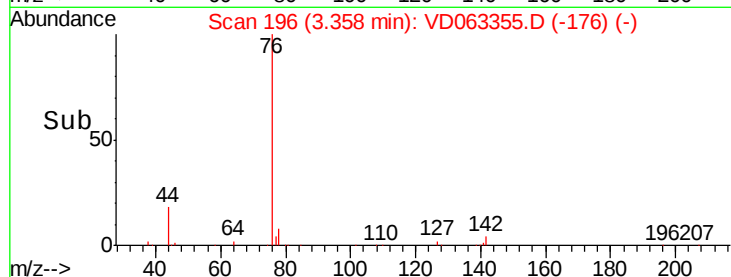
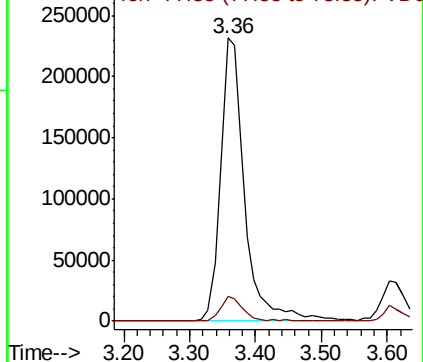
76 100

78 8.8 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.743 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063355.D

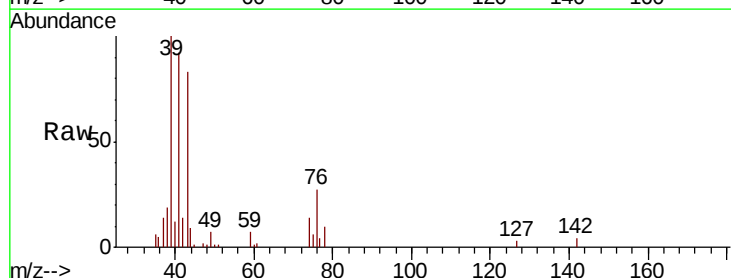
Acq: 3 Aug 2019 12:25

Tgt Ion: 43 Resp: 87628

Ion Ratio Lower Upper

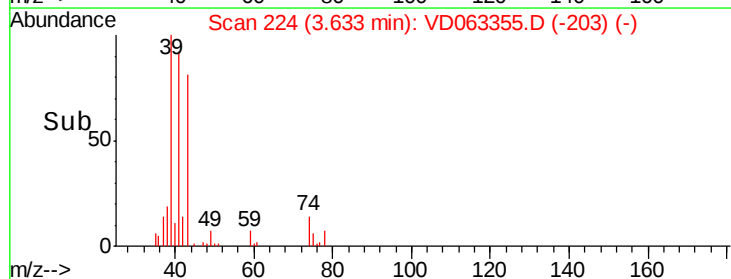
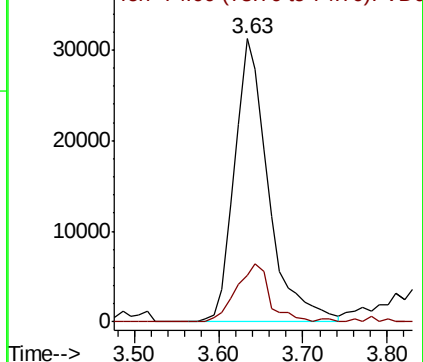
43 100

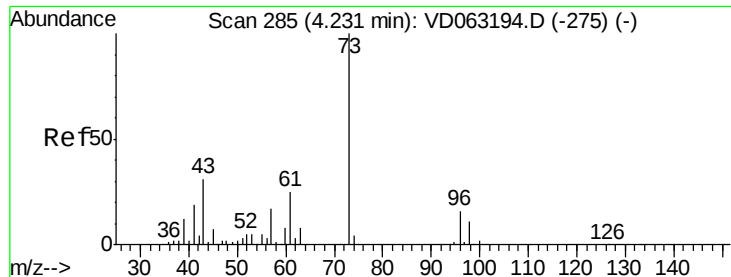
74 16.6 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



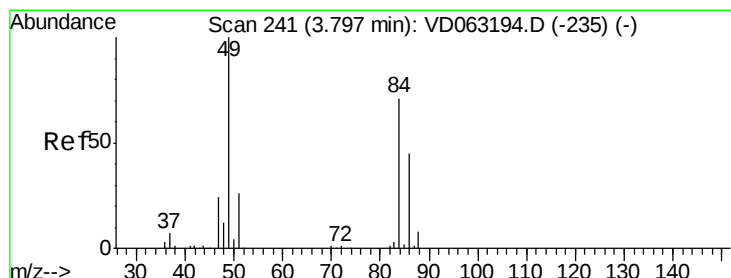
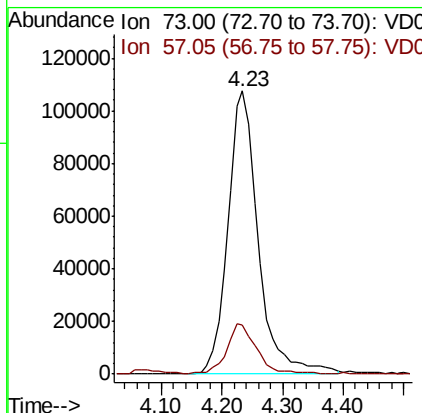
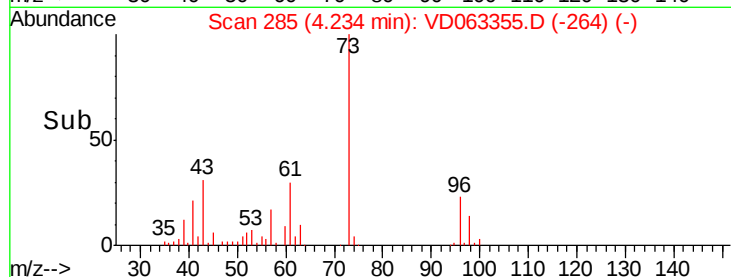
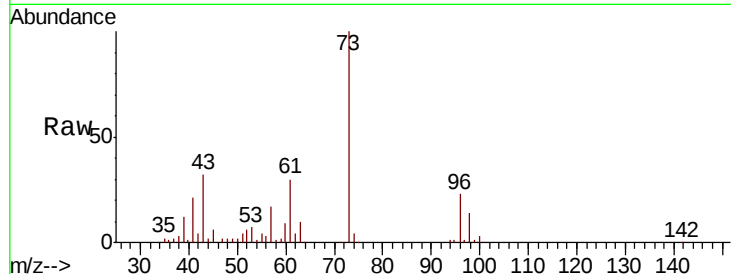


#19

Methyl tert-butyl Ether
 Concen: 19.949 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

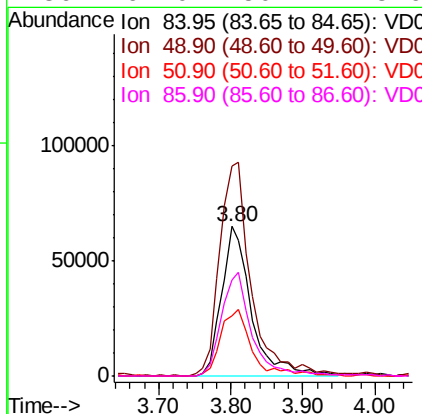
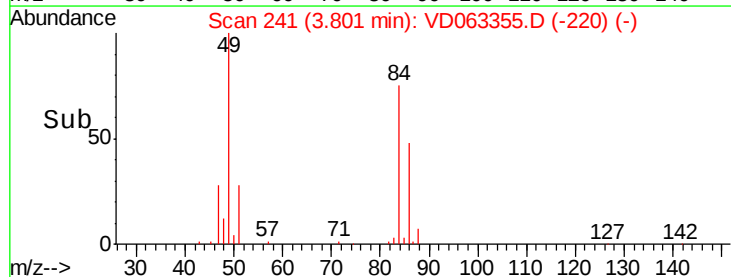
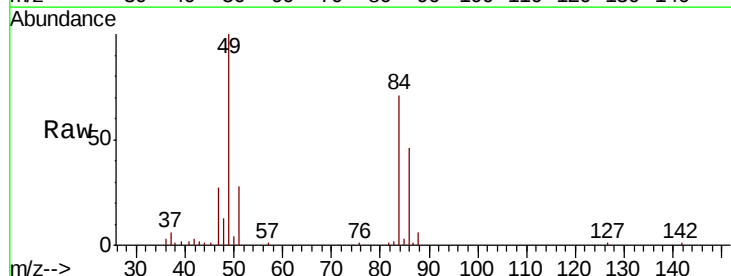
Tot Ion: 73 Resp: 373574
 Ion Ratio Lower Upper
 73 100
 57 17.2 13.8 20.6

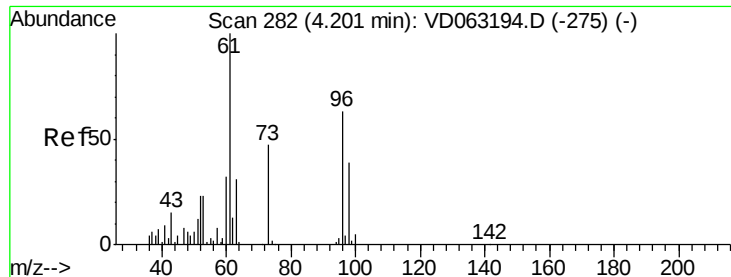


#20

Methylene Chloride
 Concen: 19.895 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Tgt Ion: 84 Resp: 185821
 Ion Ratio Lower Upper
 84 100
 49 140.2 112.5 168.7
 51 39.9 29.6 44.4
 86 64.0 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.363 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

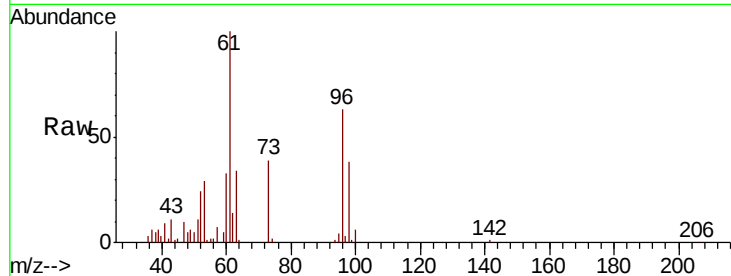
Tot Ion: 96 Resp: 189413

Ion Ratio Lower Upper

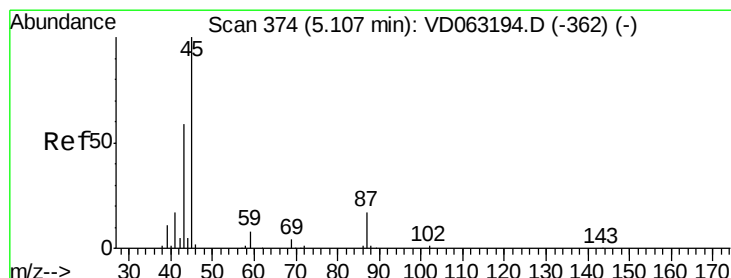
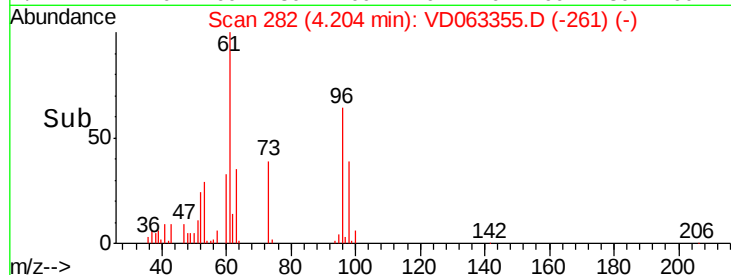
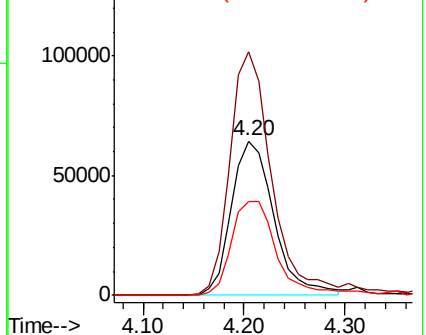
96 100

61 157.8 127.4 191.2

98 60.7 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: 20.723 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Tgt Ion: 45 Resp: 546772

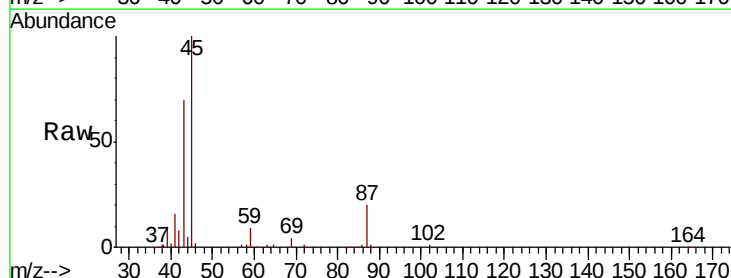
Ion Ratio Lower Upper

45 100

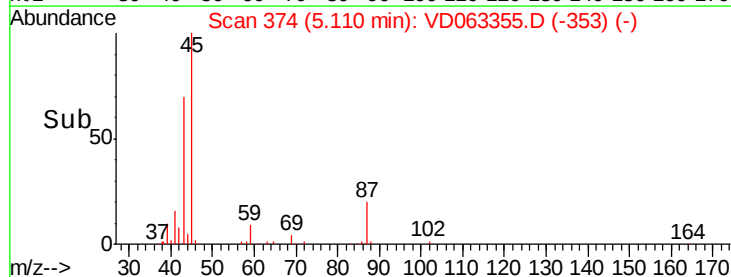
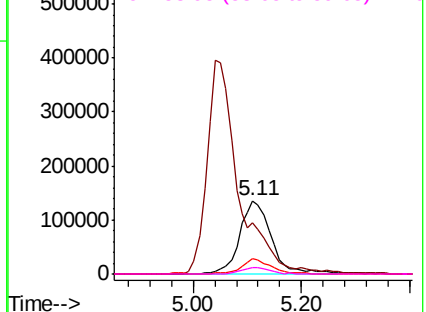
43 69.8 51.7 77.5

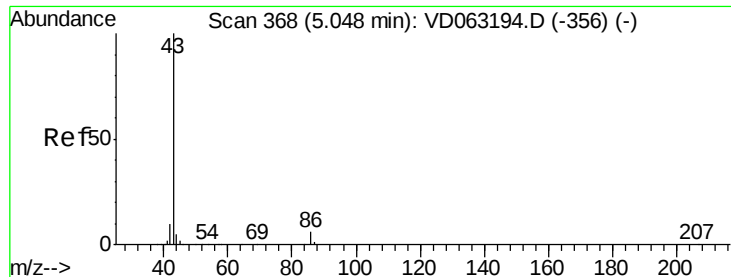
87 20.4 14.6 21.8

59 9.1 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: 97.802 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

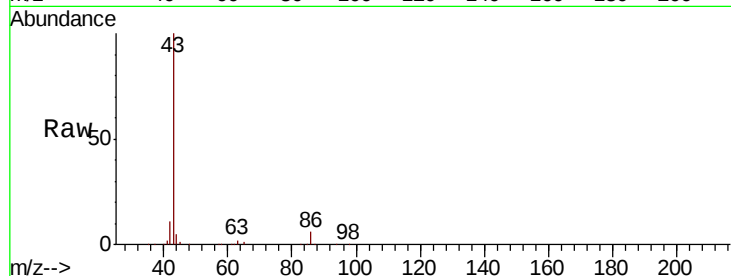
VD0803SBS01

Tot Ion: 43 Resp: 1586220

Ion Ratio Lower Upper

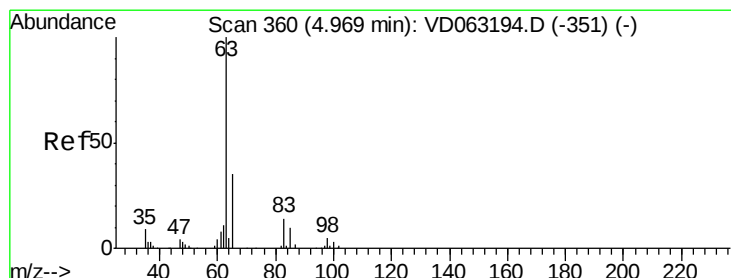
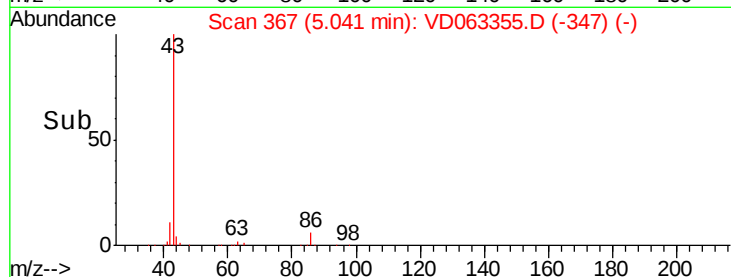
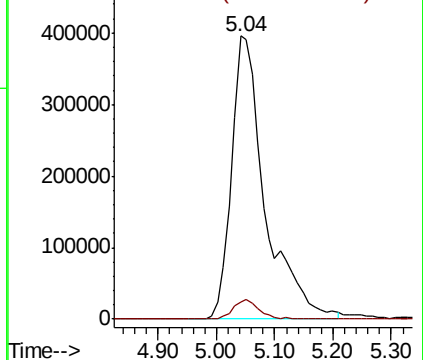
43 100

86 6.0 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.926 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

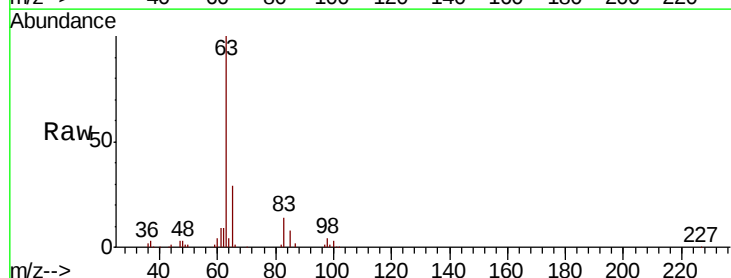
Tgt Ion: 63 Resp: 352672

Ion Ratio Lower Upper

63 100

98 4.4 2.8 8.4

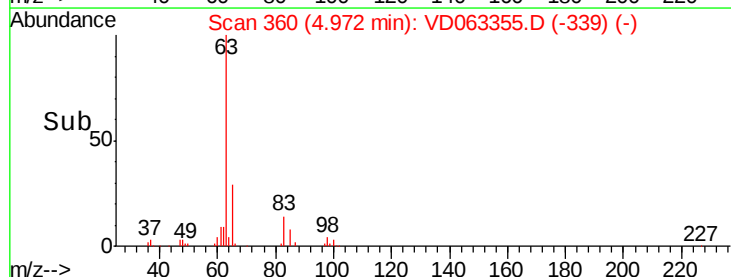
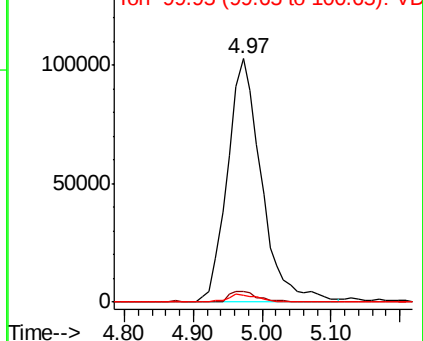
100 2.5 1.3 3.9

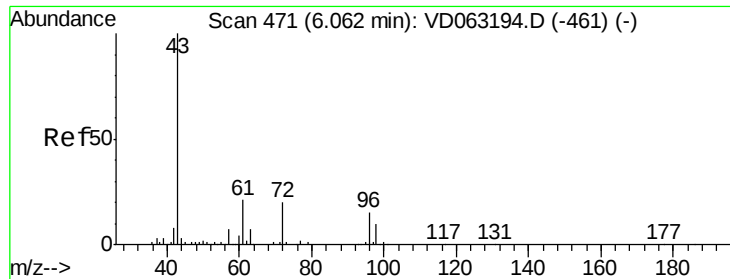


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

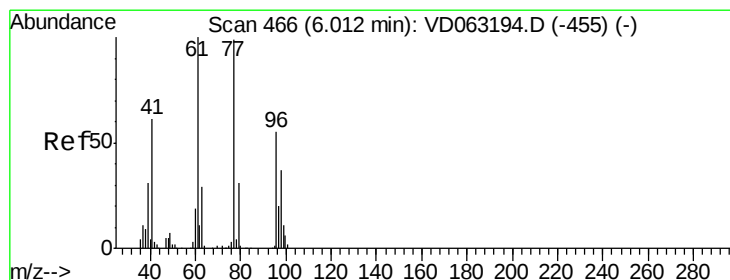
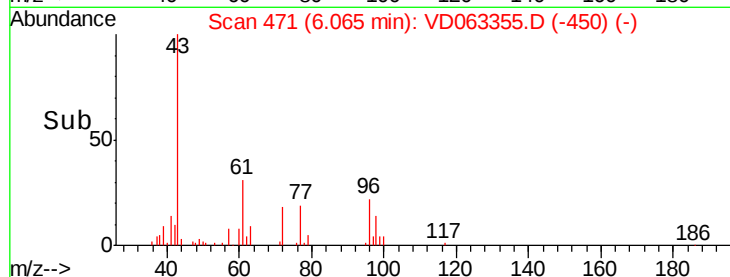
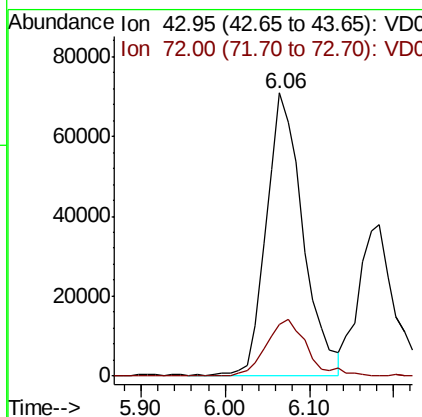
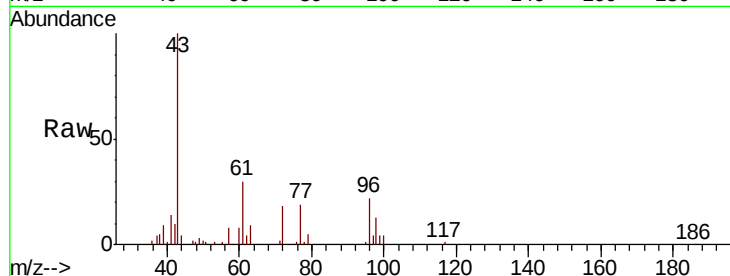




#25
2-Butanone
Concen: 93.273 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

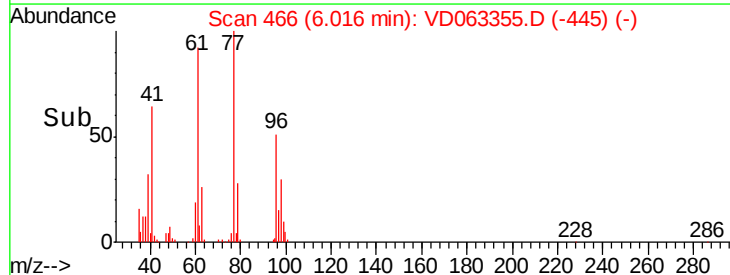
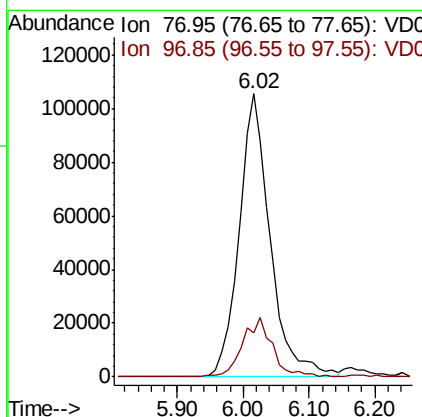
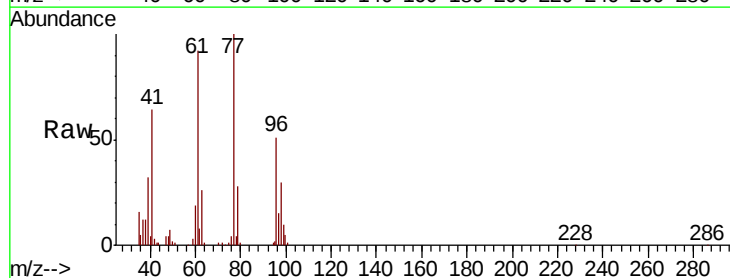
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

Tot Ion: 43 Resp: 216295
Ion Ratio Lower Upper
43 100
72 18.1 16.3 24.5



#26
2,2-Dichloropropane
Concen: 20.066 ug/l
RT: 6.02 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Tgt Ion: 77 Resp: 348510
Ion Ratio Lower Upper
77 100
97 15.4 10.2 30.6



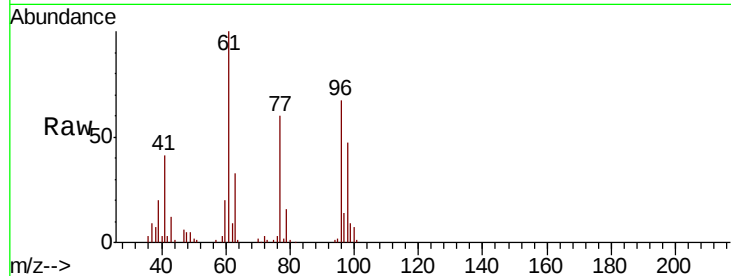


#27

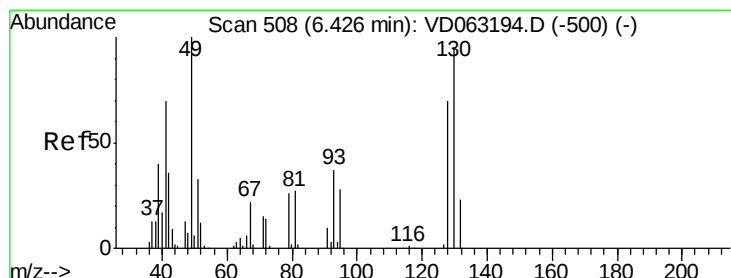
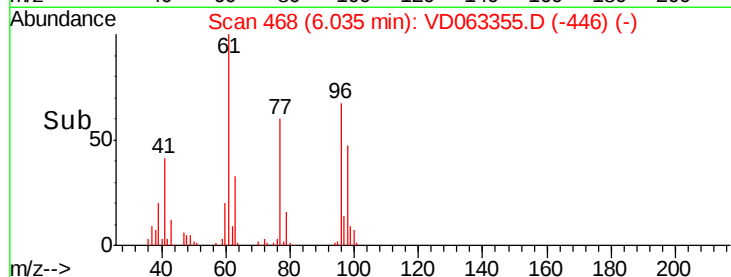
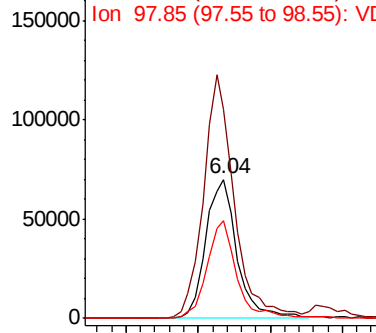
cis-1,2-Dichloroethene
Concen: 21.277 ug/l
RT: 6.04 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

Tot Ion: 96 Resp: 212192
Ion Ratio Lower Upper
96 100
61 150.2 0.0 337.2
98 70.2 0.0 130.6



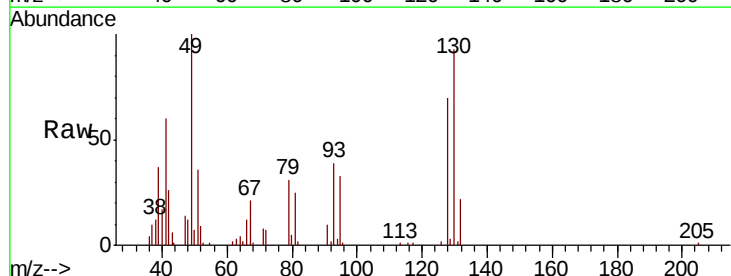
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



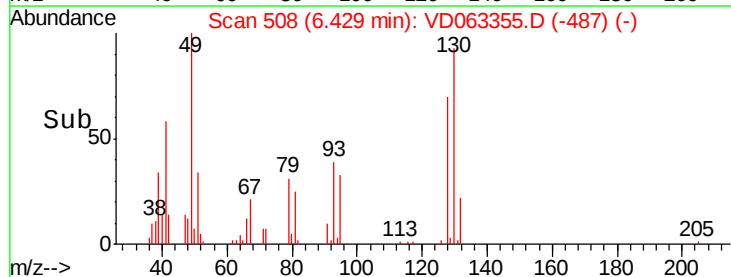
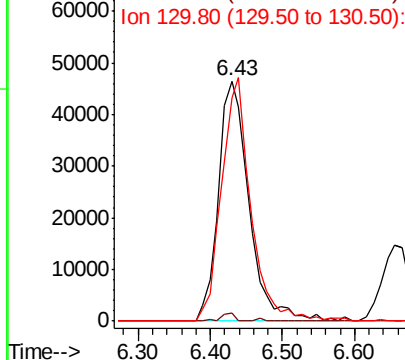
#28

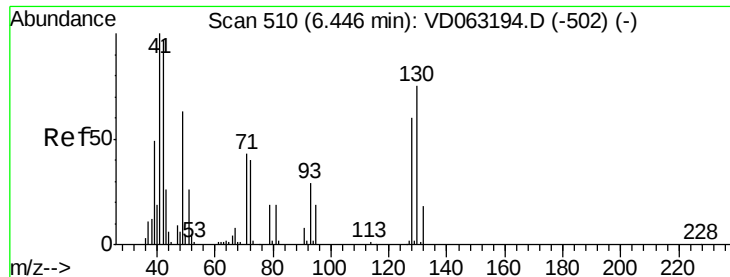
Bromochloromethane
Concen: 20.248 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Tgt Ion: 49 Resp: 135963
Ion Ratio Lower Upper
49 100
129 3.3 0.0 0.0#
130 92.9 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: 95.810 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

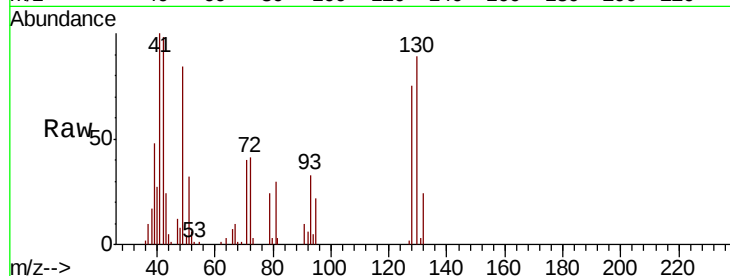
Tot Ion: 42 Resp: 105190

Ion Ratio Lower Upper

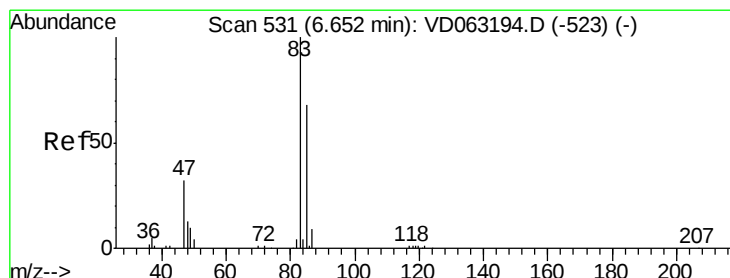
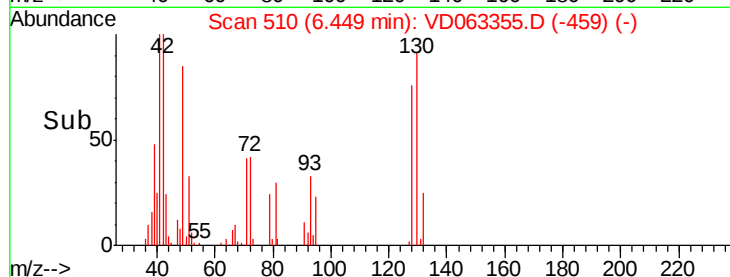
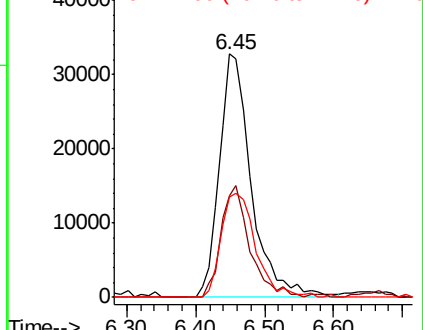
42 100

72 41.1 33.4 50.2

71 46.2 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.132 ug/l

RT: 6.66 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063355.D

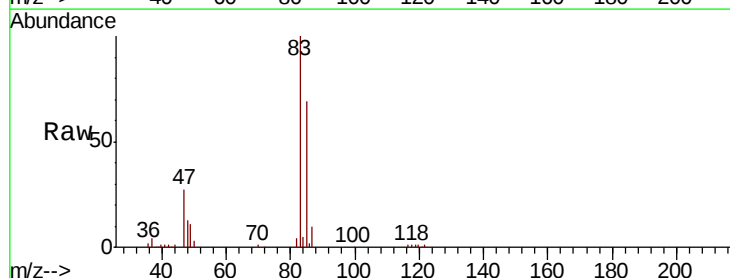
Acq: 3 Aug 2019 12:25

Tgt Ion: 83 Resp: 421068

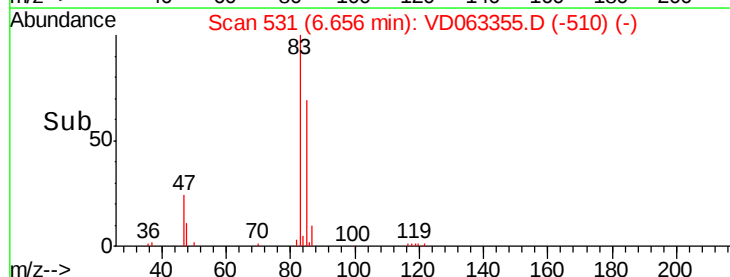
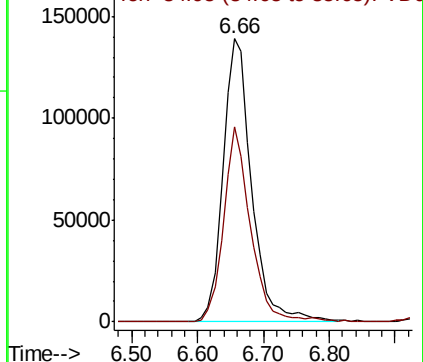
Ion Ratio Lower Upper

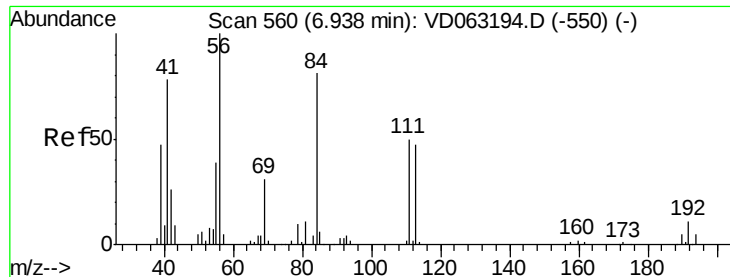
83 100

85 68.7 54.2 81.4



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

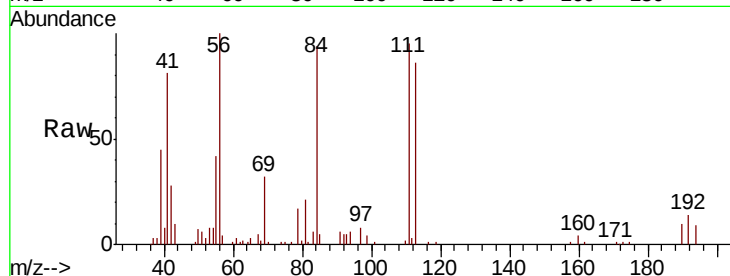




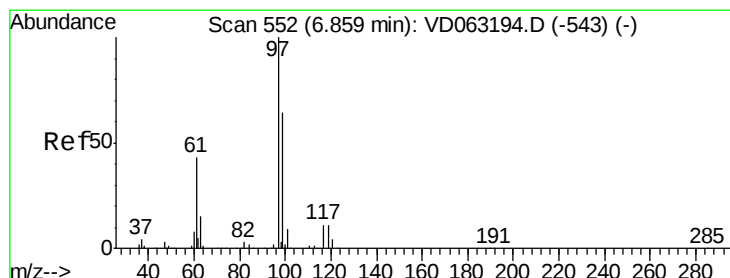
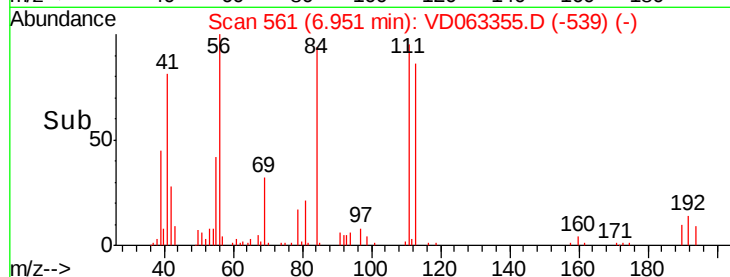
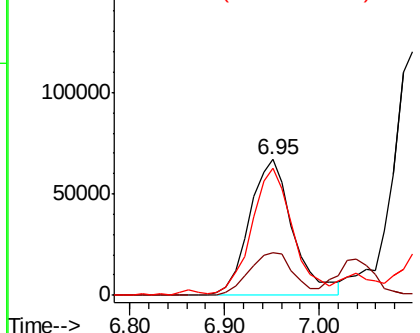
#31
Cyclohexane
Concen: 20.303 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

Tot Ion: 56 Resp: 214475
Ion Ratio Lower Upper
56 100
69 31.8 24.5 36.7
84 93.8 64.9 97.3

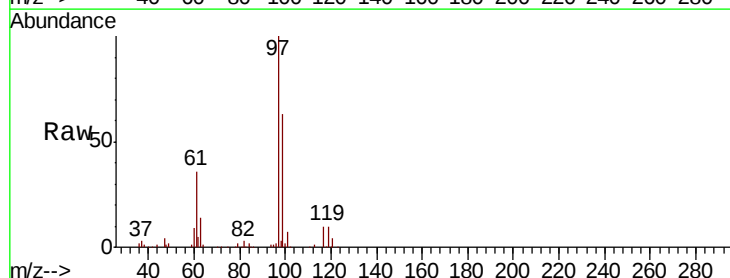


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

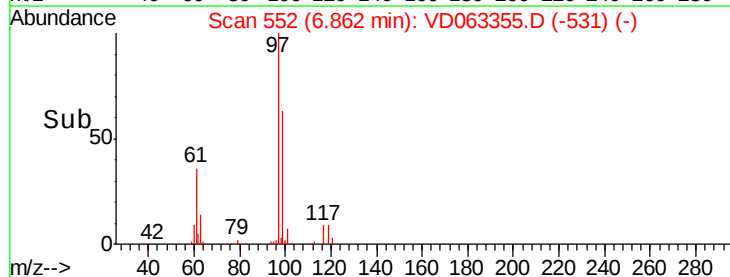
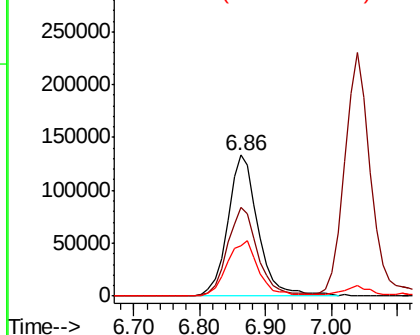


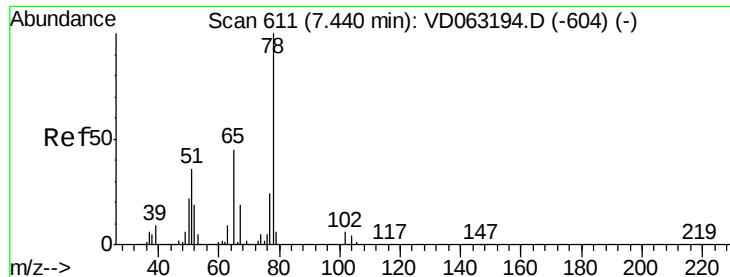
#32
1,1,1-Trichloroethane
Concen: 21.185 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Tgt Ion: 97 Resp: 428588
Ion Ratio Lower Upper
97 100
99 63.3 51.2 76.8
61 35.6 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: 48.383 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

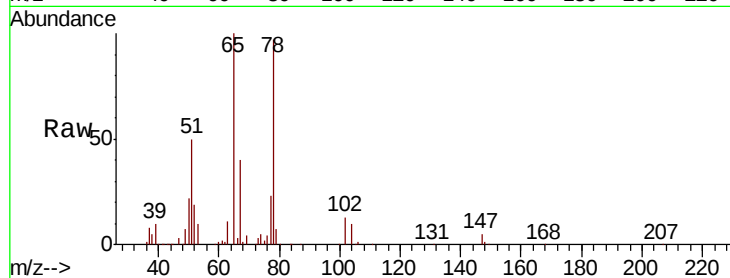
VD0803SBS01

Tot Ion: 65 Resp: 573789

Ion Ratio Lower Upper

65 100

67 39.9 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

50000

0

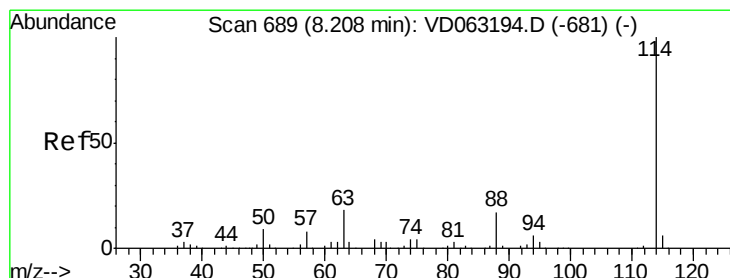
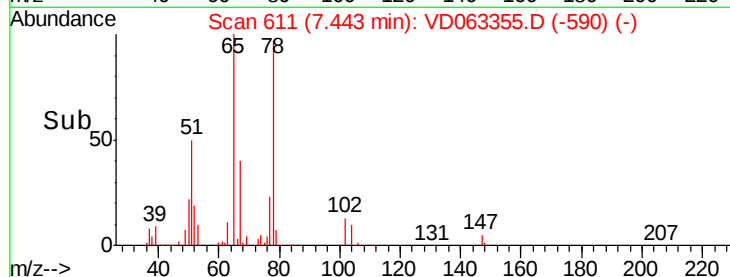
7.30

7.40

7.50

7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

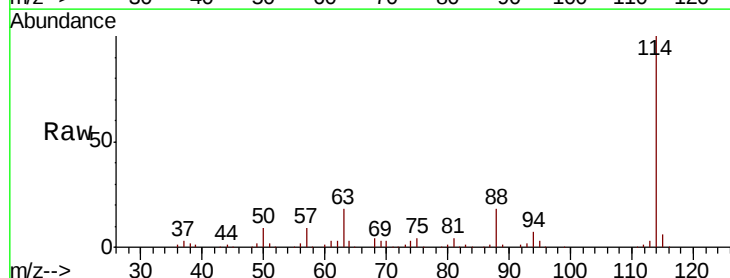
Tgt Ion: 114 Resp: 1509281

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.2

88 17.9 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

800000

600000

400000

200000

0

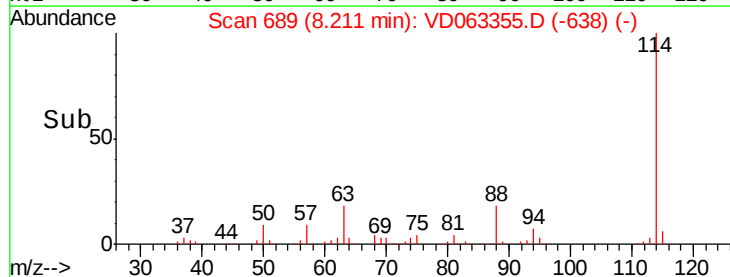
8.10

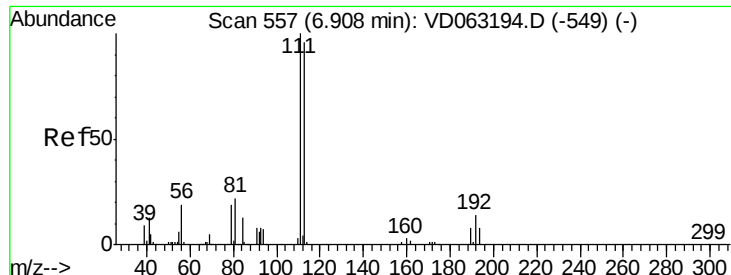
8.20

8.30

8.40

Time-->

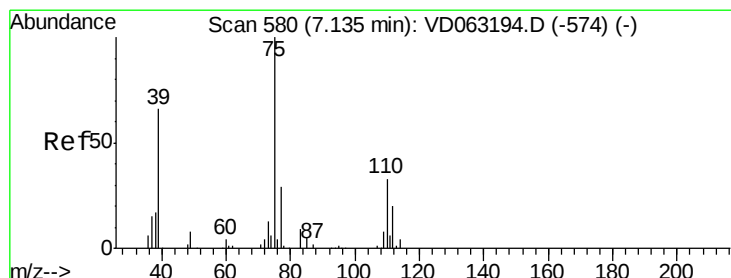
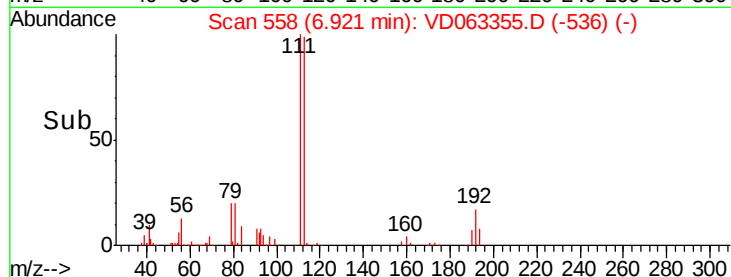
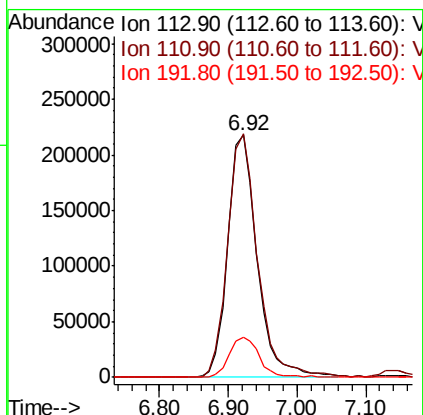
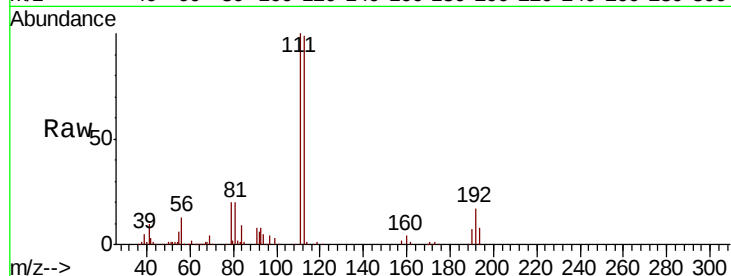




#35
 Dibromofluoromethane
 Concen: 50.097 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

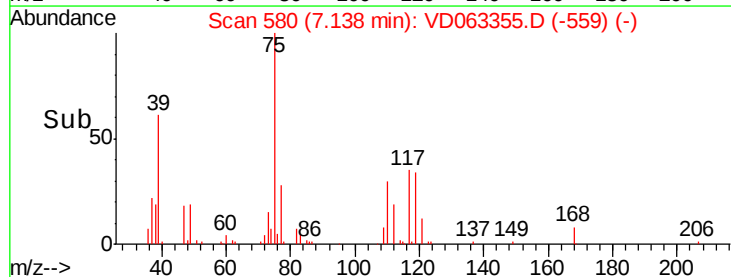
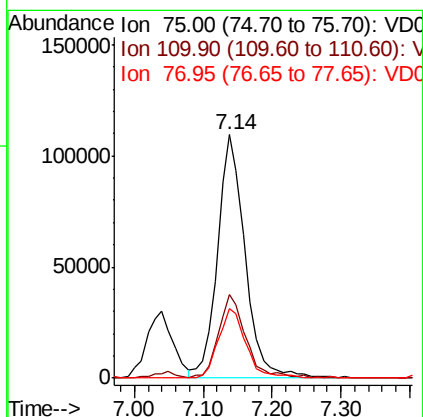
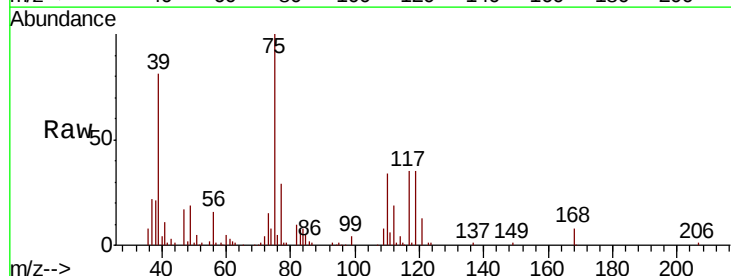
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

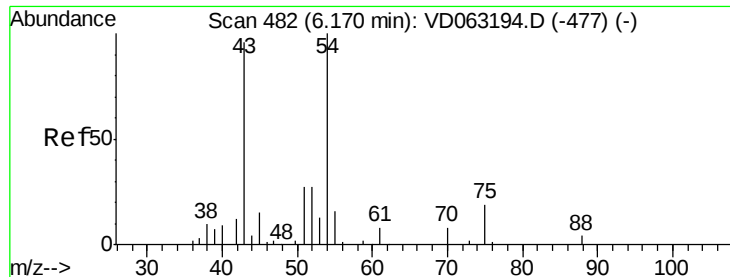
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.2	124.8
192	16.6	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 21.785 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.1	48.2
77	28.6	22.7	34.1

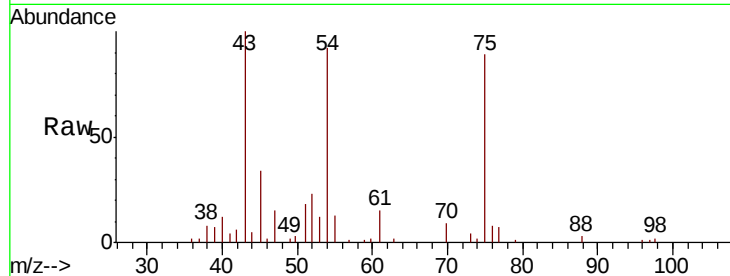




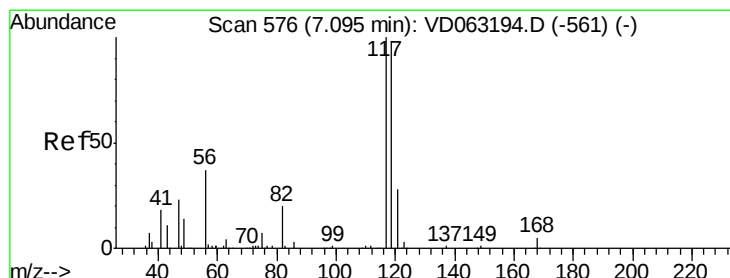
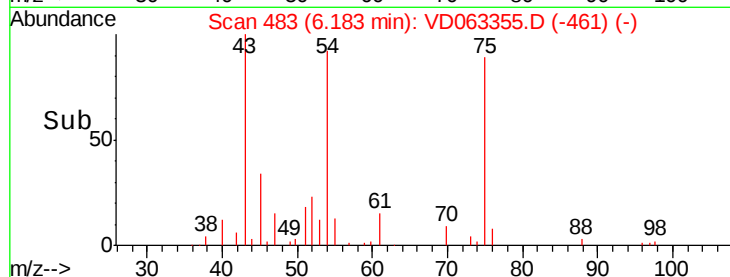
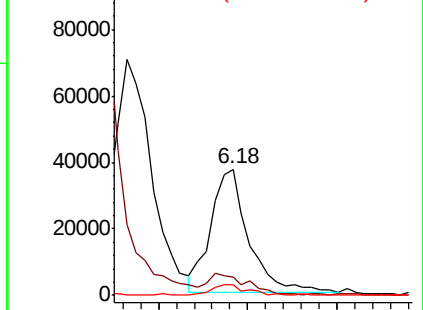
#37
Ethyl Acetate
Concen: 17.862 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

Tot Ion: 43 Resp: 110533
Ion Ratio Lower Upper
43 100
61 15.0 11.3 16.9
70 8.9 5.1 7.7#

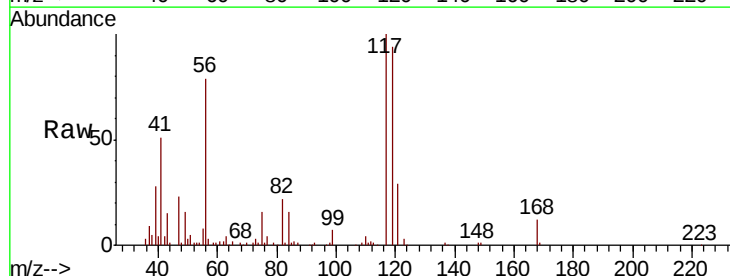


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

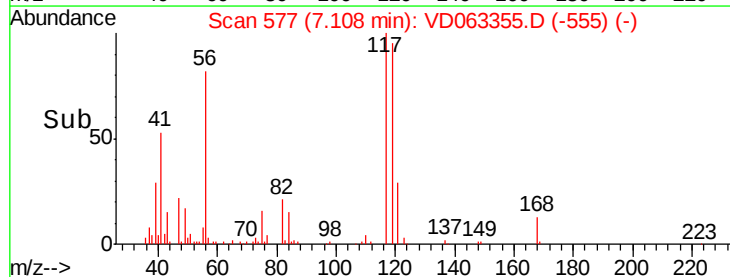
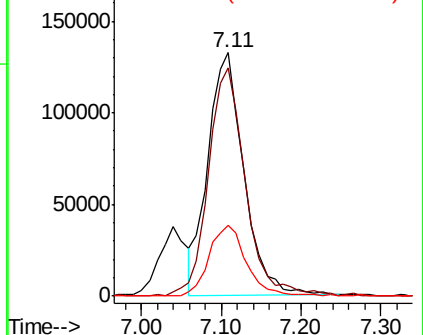


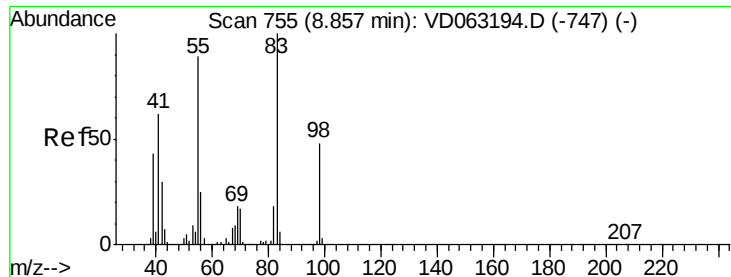
#38
Carbon Tetrachloride
Concen: 20.192 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Tgt Ion: 117 Resp: 418709
Ion Ratio Lower Upper
117 100
119 93.7 78.2 117.2
121 28.9 22.1 33.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

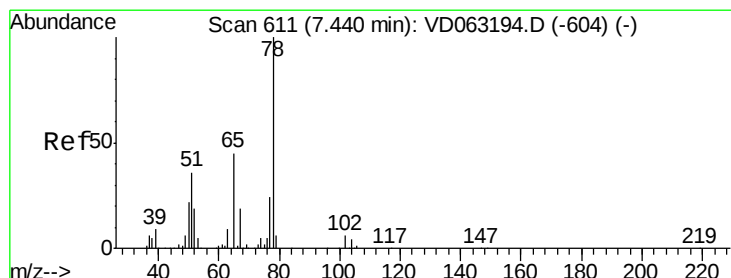
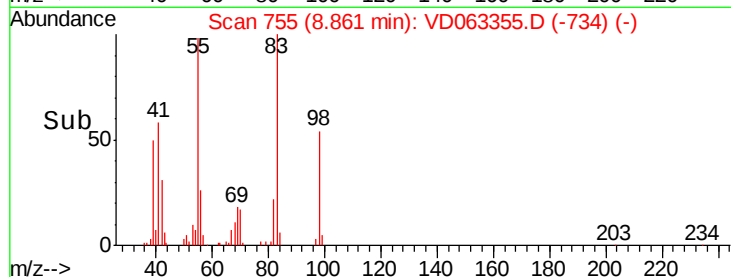
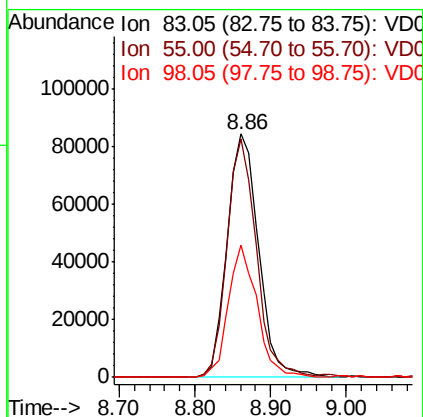
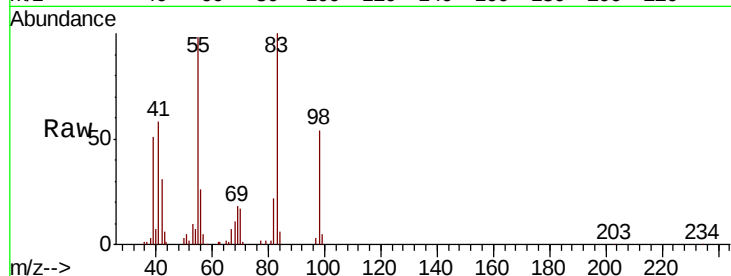




#39
Methvlcvclohexane
Concen: 21.140 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

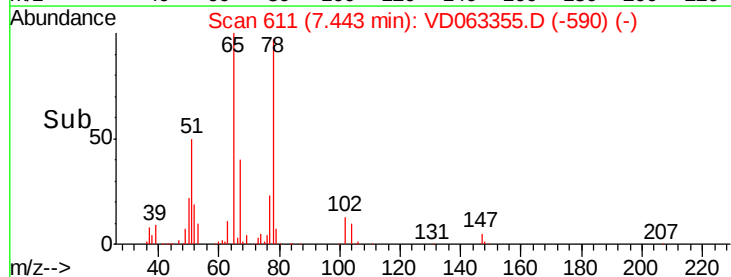
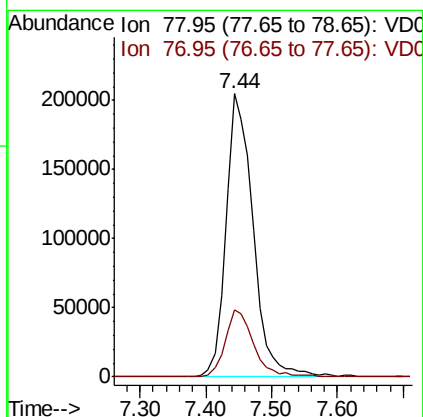
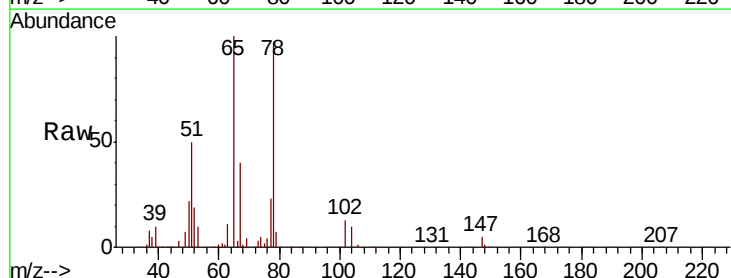
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

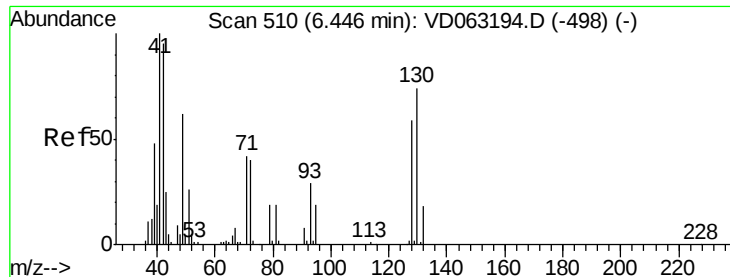
Tot Ion: 83 Resp: 242608
Ion Ratio Lower Upper
83 100
55 97.7 71.1 106.7
98 54.2 38.5 57.7



#40
Benzene
Concen: 20.444 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Tgt Ion: 78 Resp: 590171
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.2





#41

Methacrylonitrile

Concen: 18.694 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

Tot Ion: 41 Resp: 138376

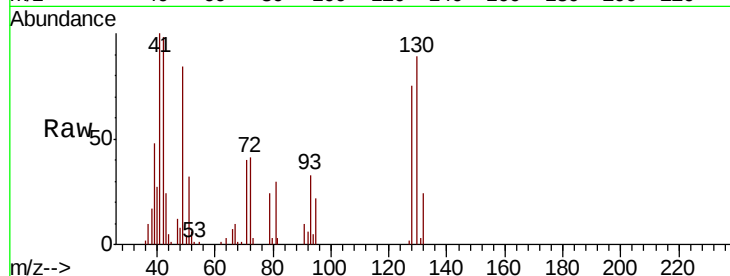
Ion Ratio Lower Upper

41 100

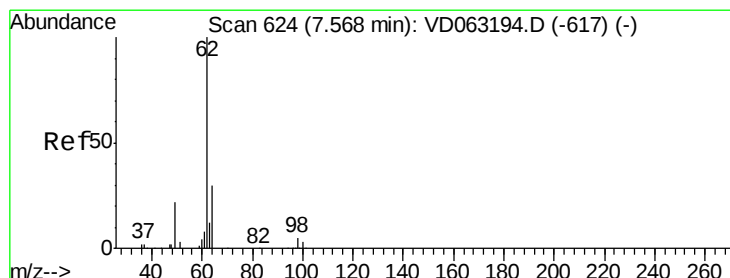
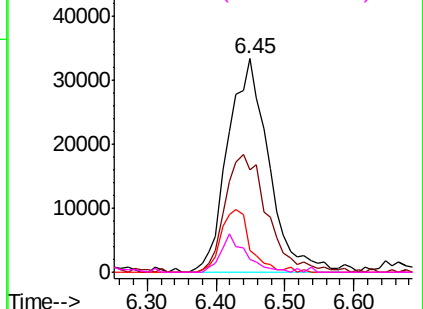
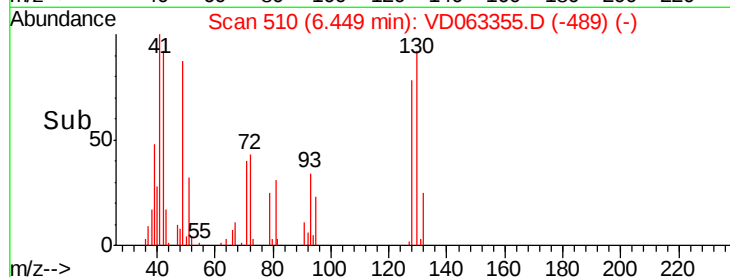
39 48.2 38.4 57.6

67 10.2 6.7 10.1#

52 6.0 4.3 6.5



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



#42

1,2-Dichloroethane

Concen: 19.990 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

Lab File: VD063355.D

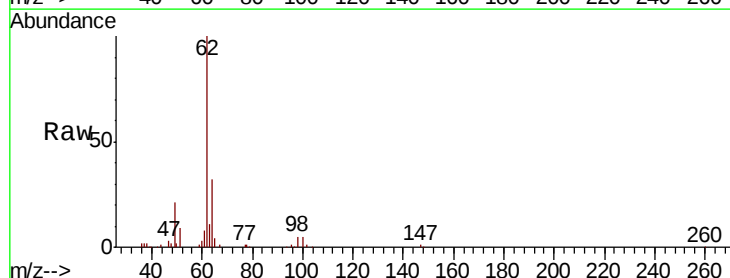
Acq: 3 Aug 2019 12:25

Tgt Ion: 62 Resp: 305836

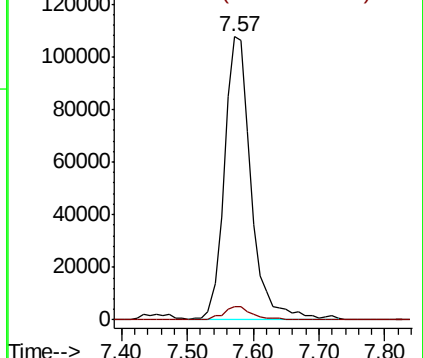
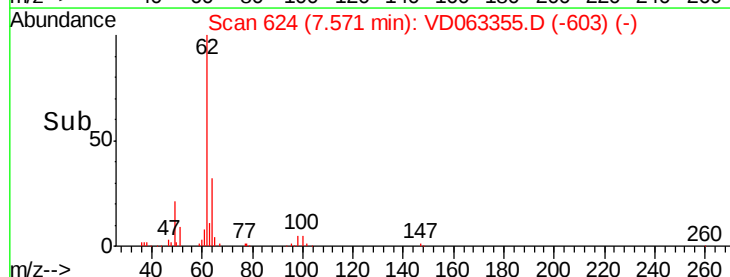
Ion Ratio Lower Upper

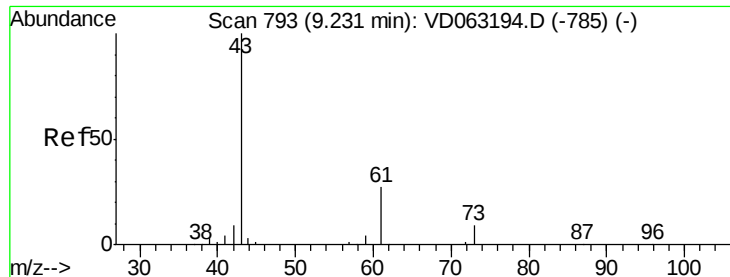
62 100

98 4.6 0.0 9.8



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





#43

Isopropyl Acetate

Concen: 19.542 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

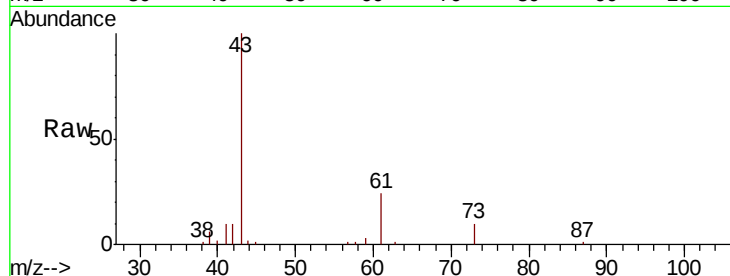
Tot Ion: 43 Resp: 154474

Ion Ratio Lower Upper

43 100

61 24.3 21.4 32.0

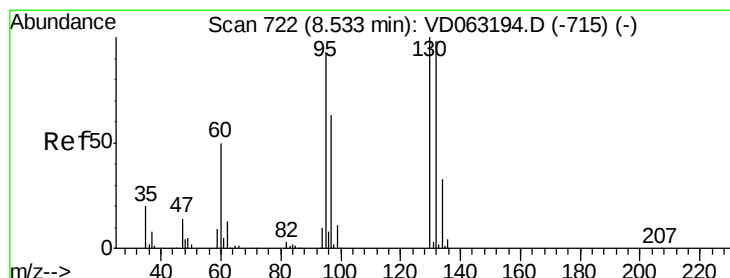
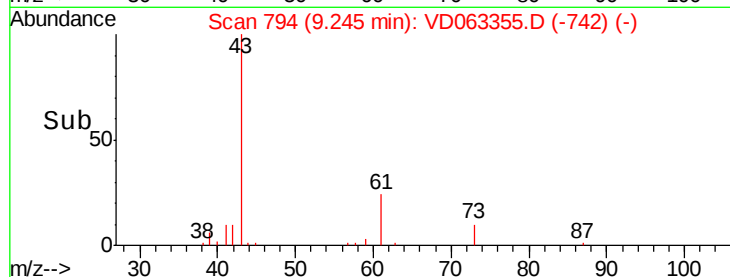
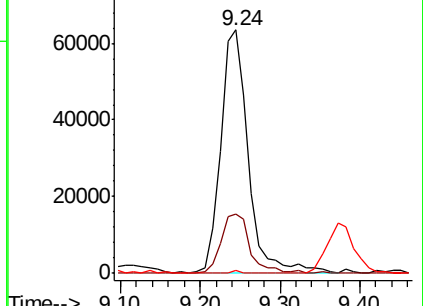
87 1.1 0.2 0.4#



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: 20.986 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063355.D

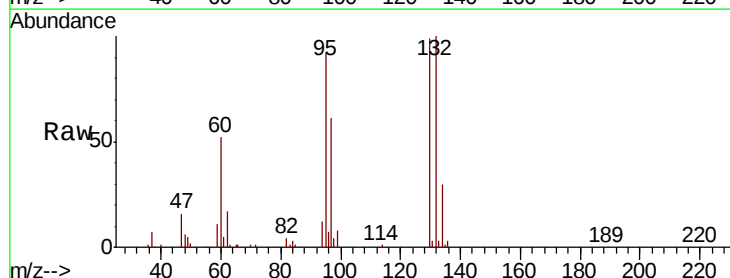
Acq: 3 Aug 2019 12:25

Tgt Ion: 130 Resp: 245490

Ion Ratio Lower Upper

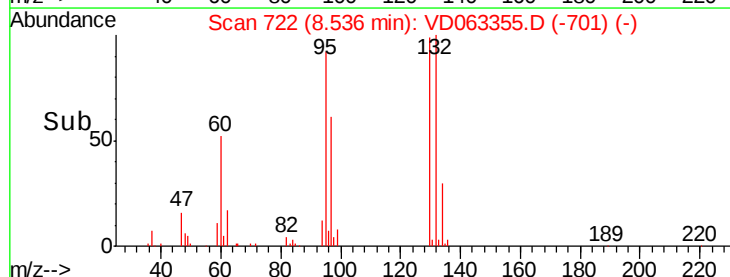
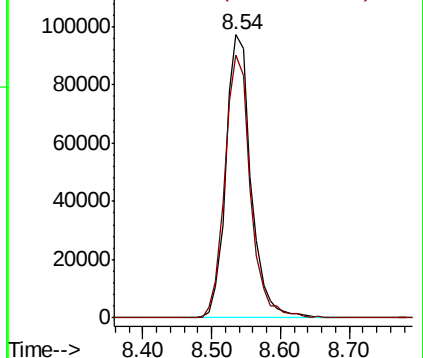
130 100

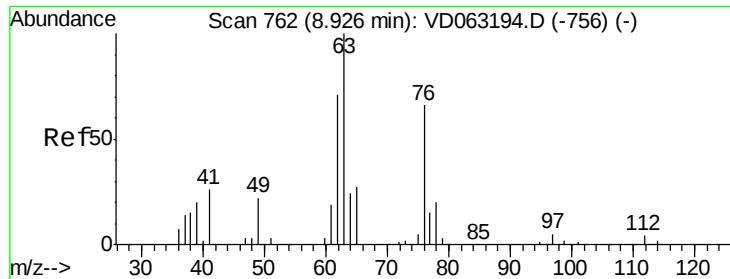
95 93.0 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 18.838 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

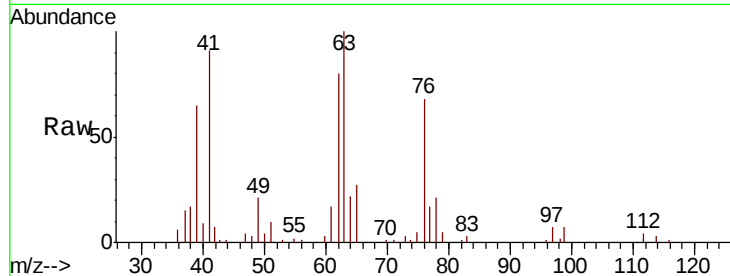
VD0803SBS01

Tot Ion: 63 Resp: 138222

Ion Ratio Lower Upper

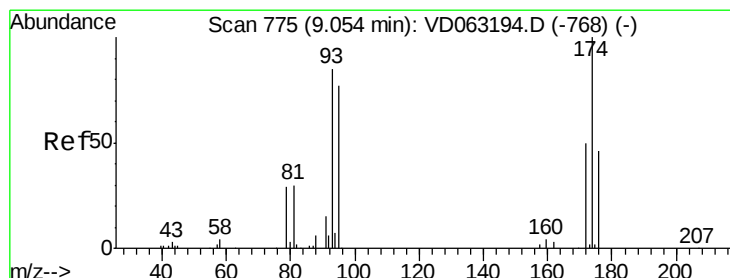
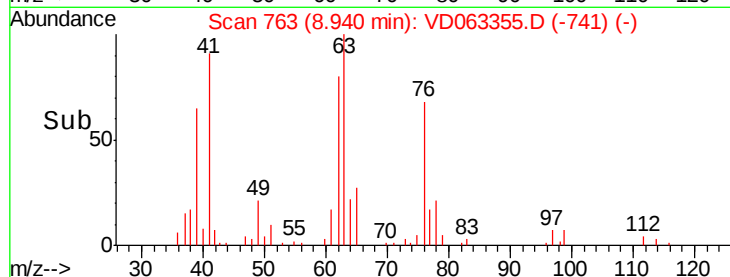
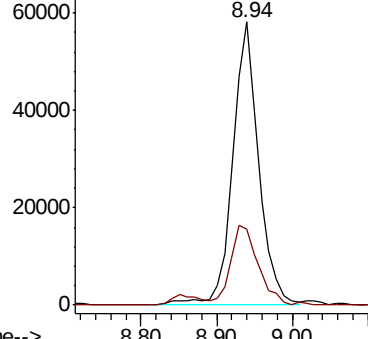
63 100

65 26.8 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: 19.602 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

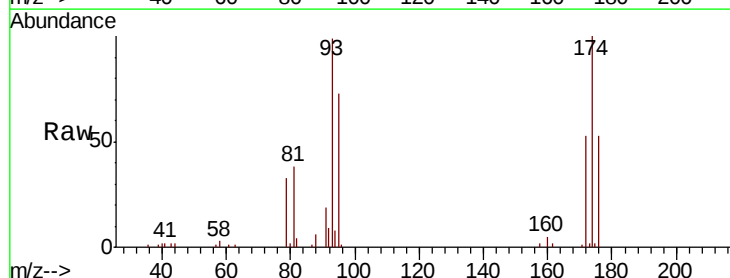
Tgt Ion: 93 Resp: 119589

Ion Ratio Lower Upper

93 100

95 74.0 72.8 109.2

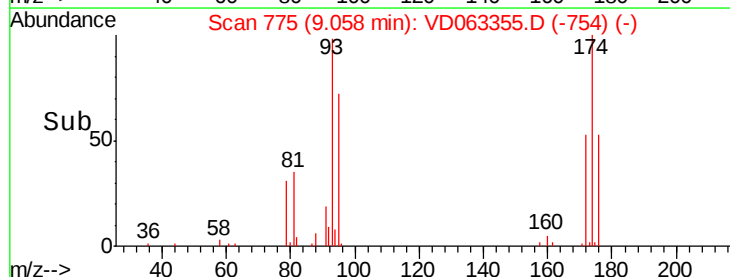
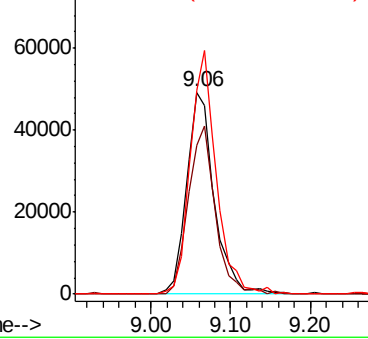
174 101.3 94.4 141.6

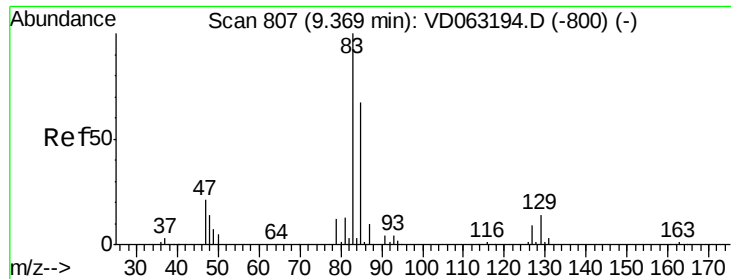


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 19.326 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

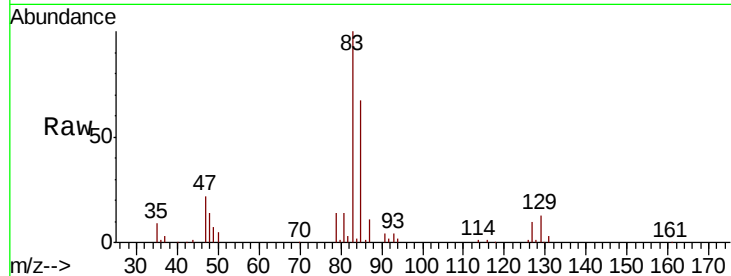
Tot Ion: 83 Resp: 300558

Ion Ratio Lower Upper

83 100

85 67.4 53.6 80.4

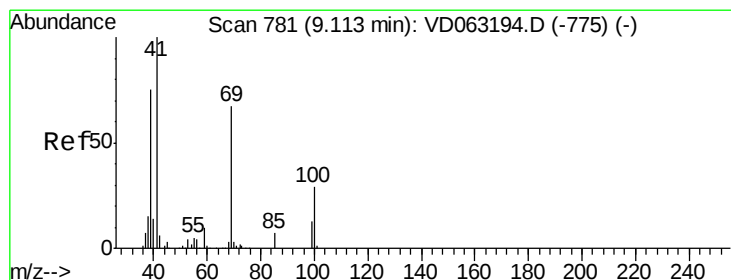
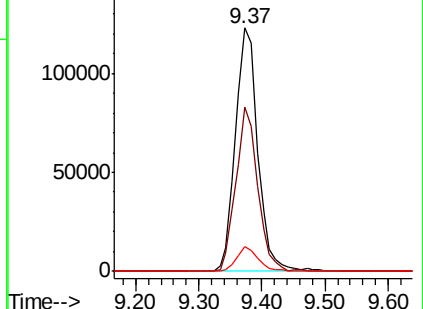
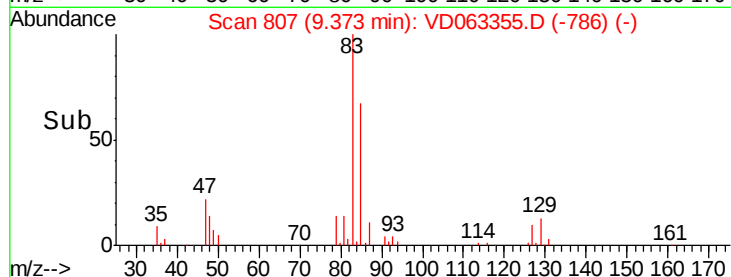
127 9.9 7.2 10.8



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: 21.088 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

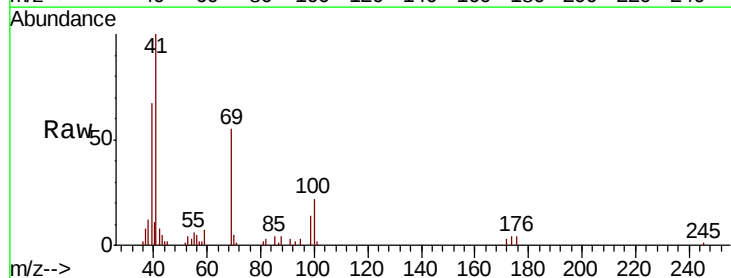
Tgt Ion: 41 Resp: 108111

Ion Ratio Lower Upper

41 100

69 55.2 53.4 80.0

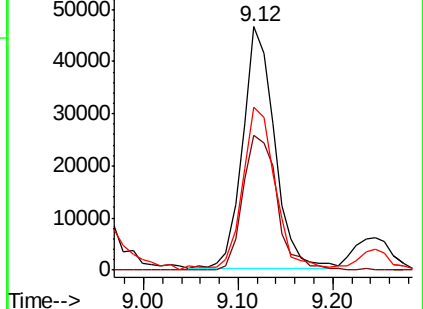
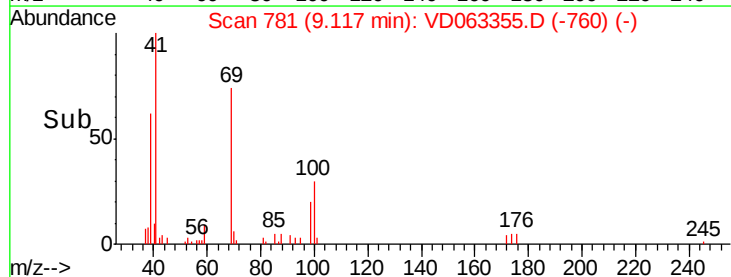
39 67.2 60.3 90.5

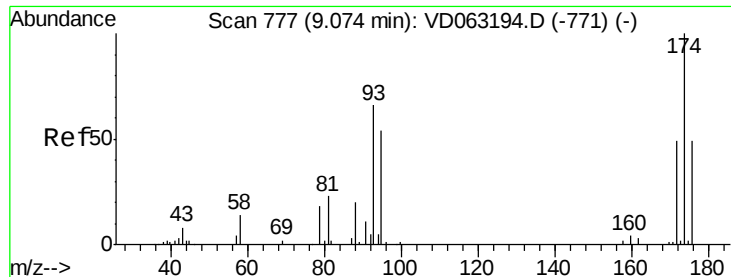


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

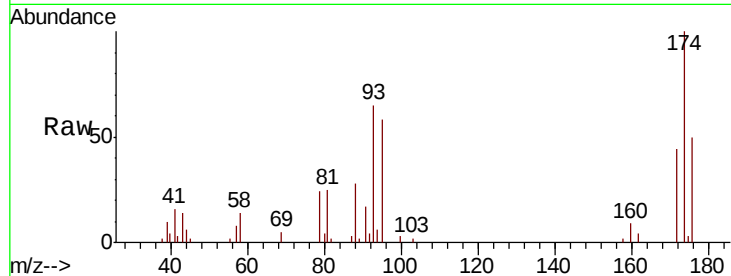




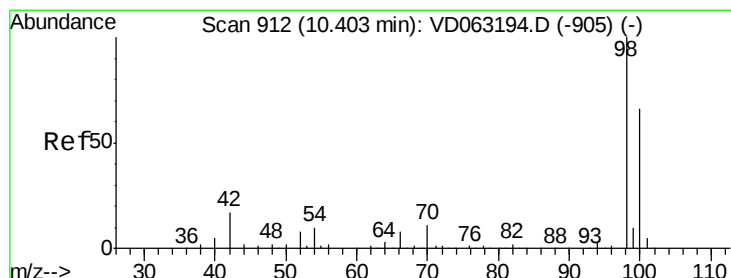
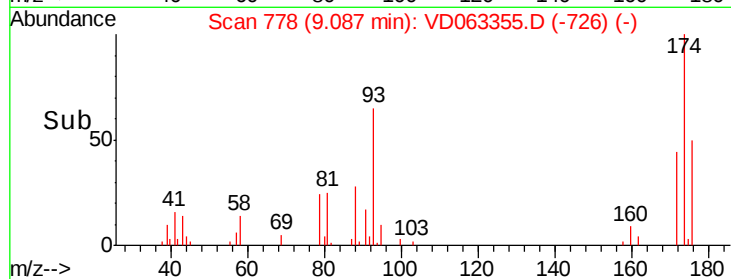
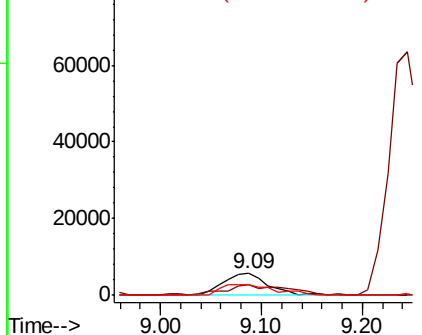
#49
1,4-Dioxane
Concen: 395.380 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

Tot Ion: 88 Resp: 17279
Ion Ratio Lower Upper
88 100
43 48.4 30.7 46.1#
58 50.0 56.5 84.7#

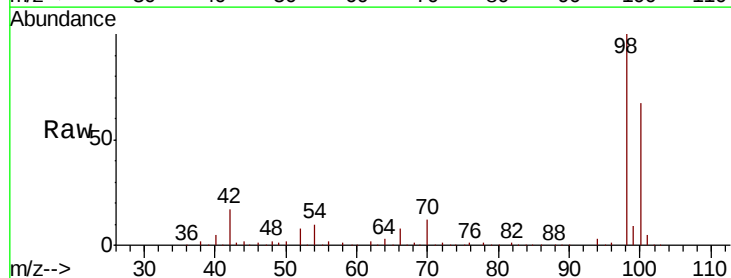


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

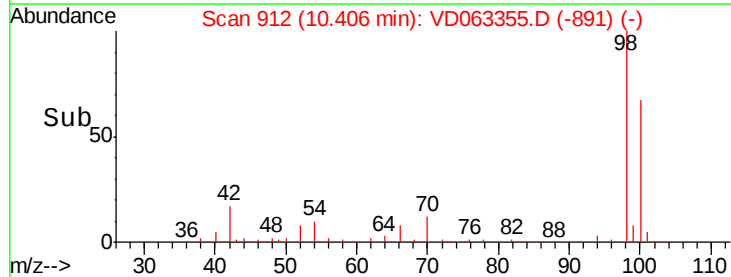
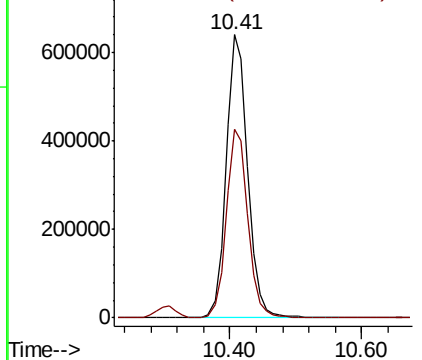


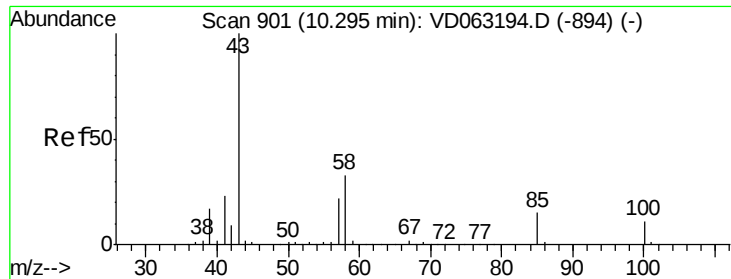
#50
Toluene-d8
Concen: 50.566 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Tgt Ion: 98 Resp: 1458281
Ion Ratio Lower Upper
98 100
100 66.7 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 94.520 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

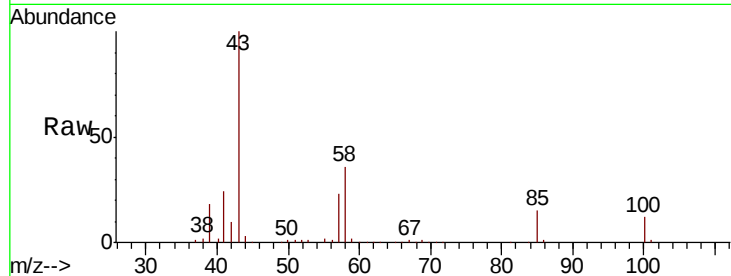
VD0803SBS01

Tot Ion: 43 Resp: 508127

Ion Ratio Lower Upper

43 100

58 35.7 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

200000

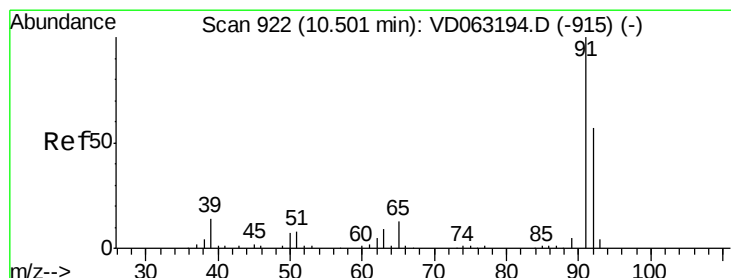
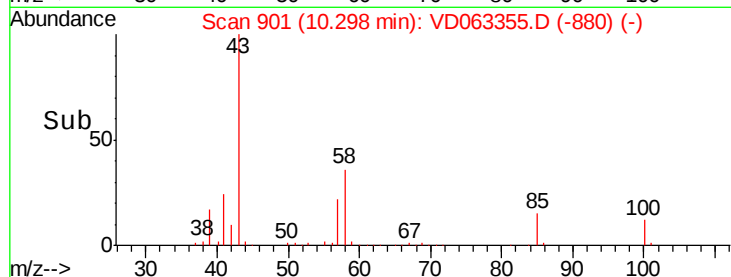
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.102 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD063355.D

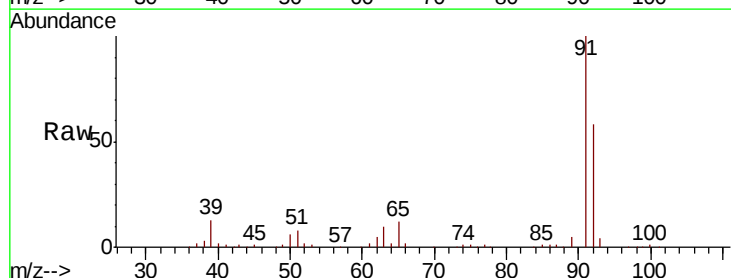
Acq: 3 Aug 2019 12:25

Tgt Ion: 92 Resp: 405168

Ion Ratio Lower Upper

92 100

91 173.5 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

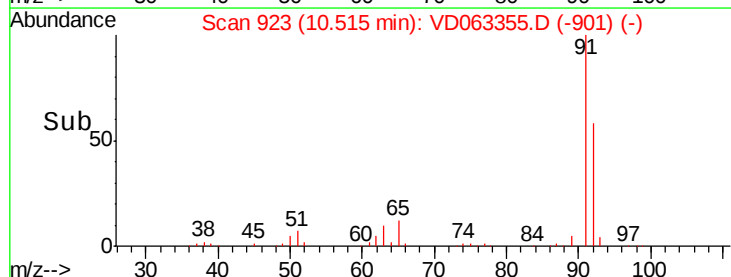
300000

200000

100000

0

Time-->

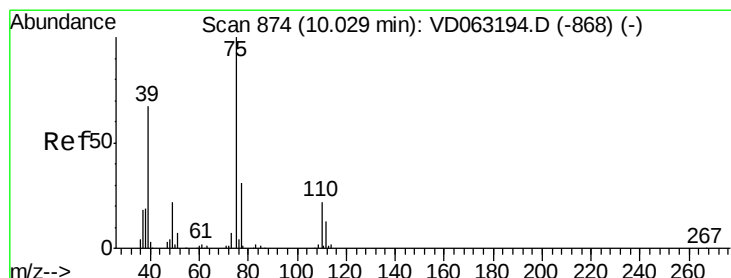
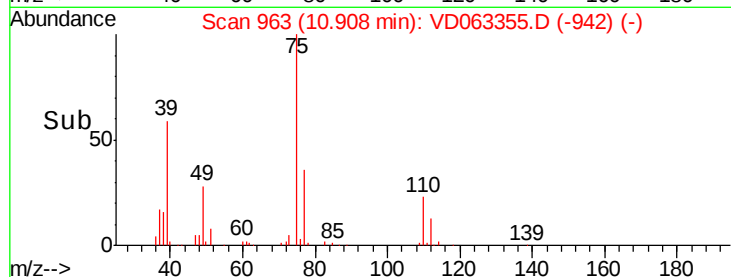
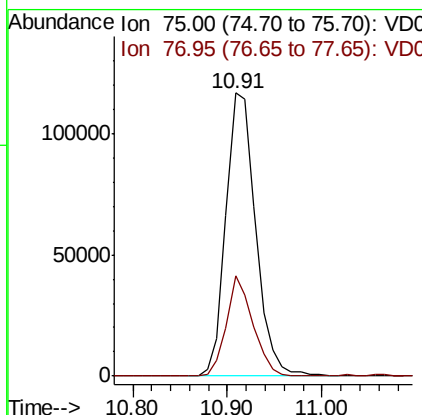
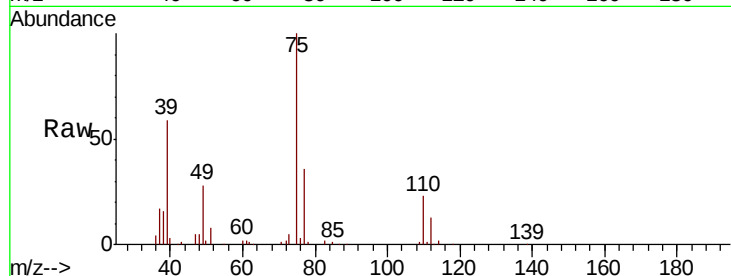




#53
 t-1,3-Dichloropropene
 Concen: 19.027 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

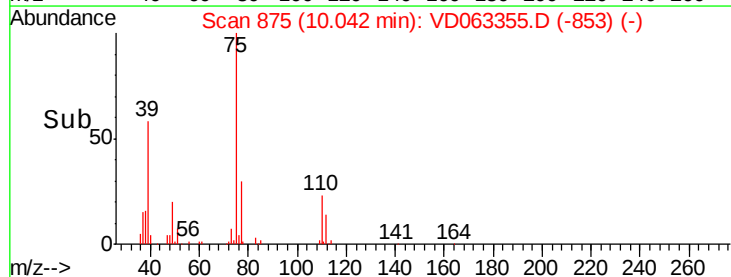
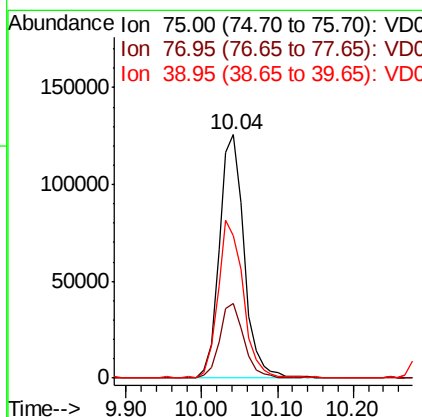
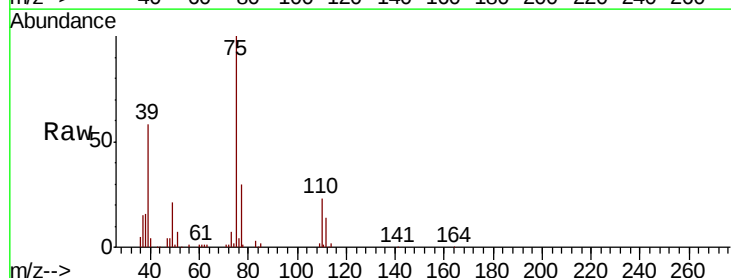
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

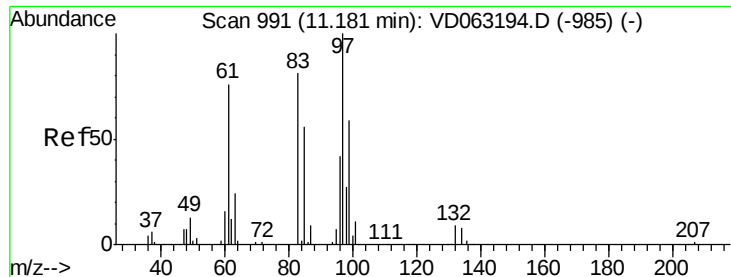
Tot Ion: 75 Resp: 255111
 Ion Ratio Lower Upper
 75 100
 77 35.6 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.311 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Tgt Ion: 75 Resp: 286218
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.9 37.3
 39 58.3 53.9 80.9

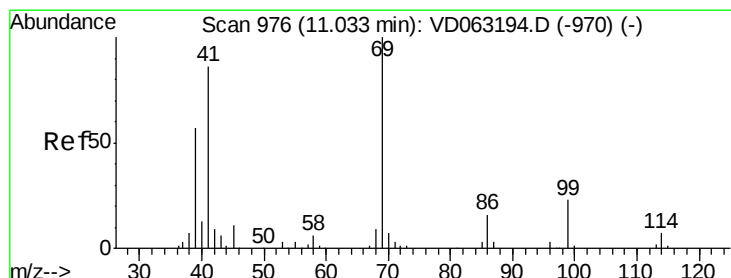
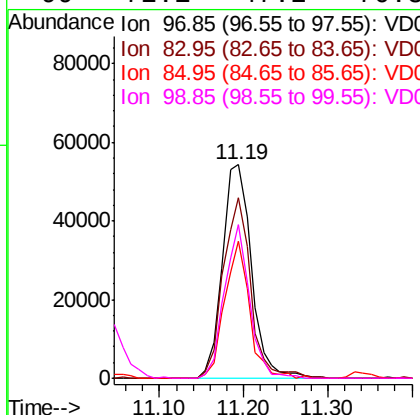
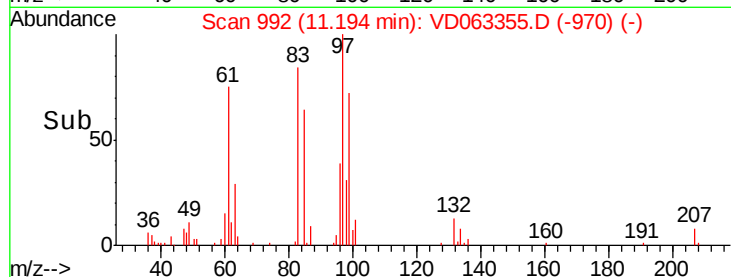
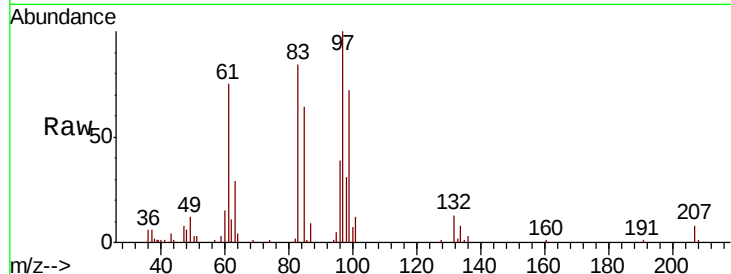




#55
 1,1,2-Trichloroethane
 Concen: 20.156 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

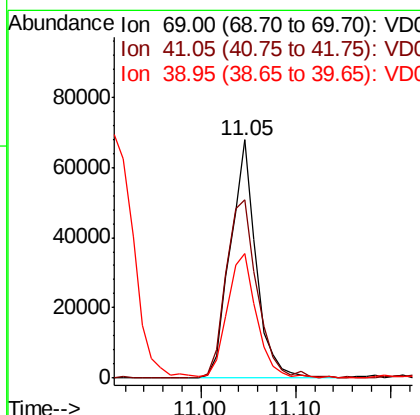
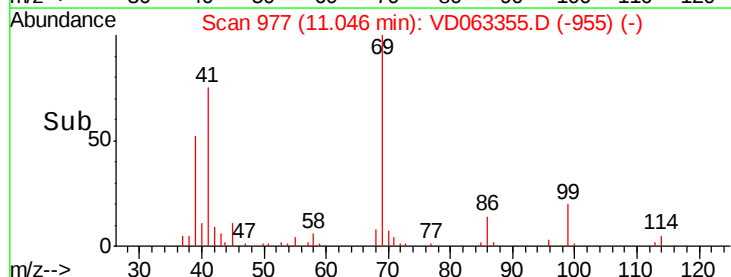
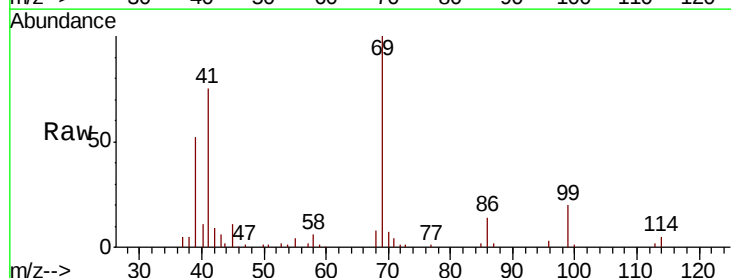
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

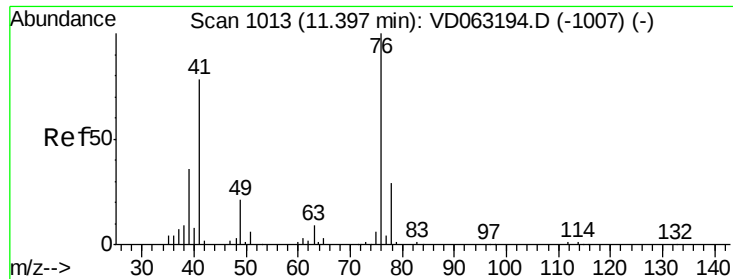
Tot Ion: 97 Resp: 130702
 Ion Ratio Lower Upper
 97 100
 83 84.3 64.8 97.2
 85 63.9 44.9 67.3
 99 72.1 47.2 70.8#



#56
 Ethyl methacrylate
 Concen: 18.005 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Tgt Ion: 69 Resp: 127848
 Ion Ratio Lower Upper
 69 100
 41 74.9 68.8 103.2
 39 52.3 45.8 68.8

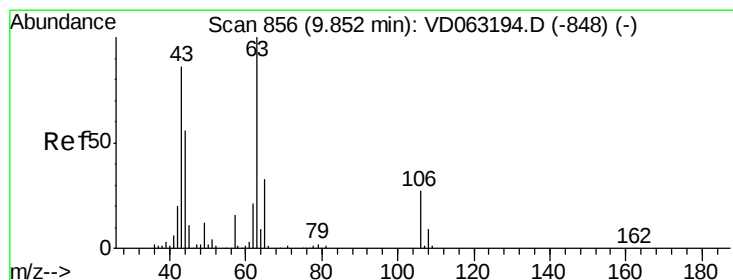
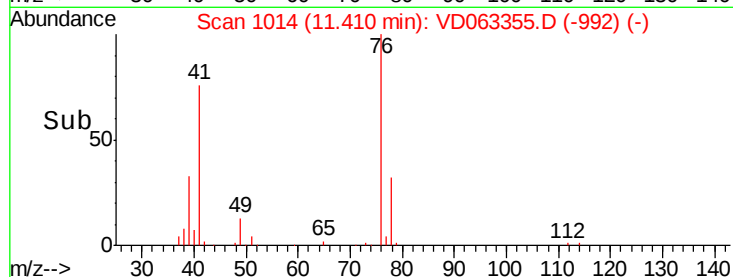
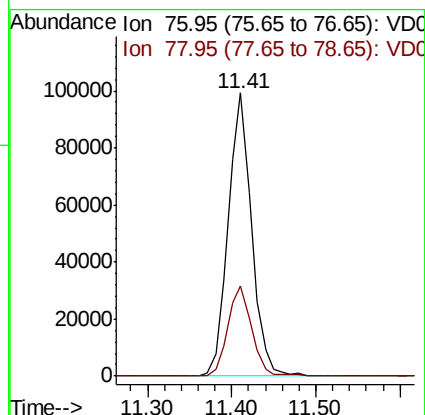
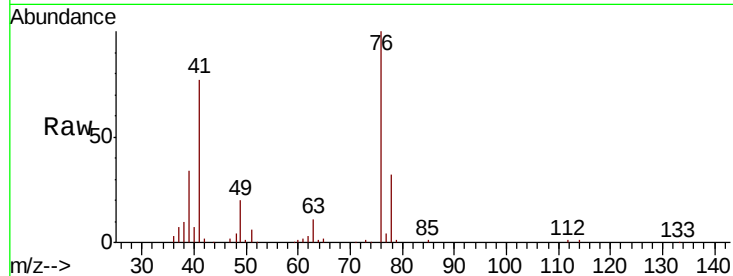




#57
 1,3-Dichloropropane
 Concen: 18.729 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

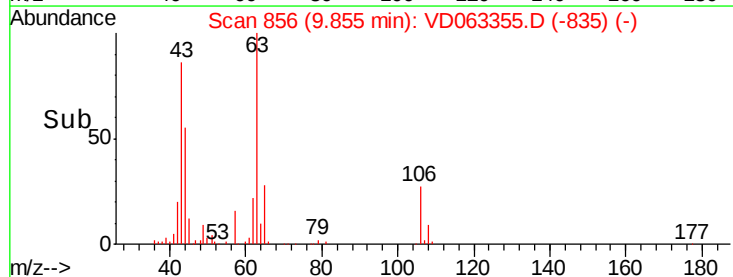
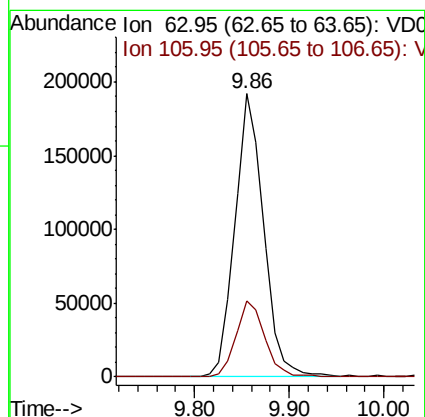
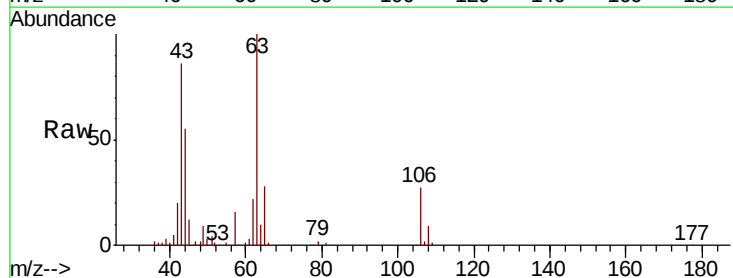
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

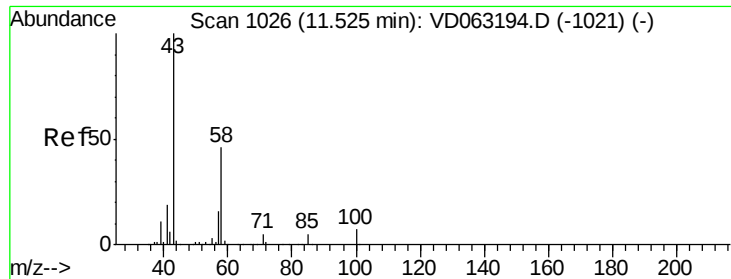
Tot Ion: 76 Resp: 191351
 Ion Ratio Lower Upper
 76 100
 78 31.9 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.101 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Tgt Ion: 63 Resp: 403107
 Ion Ratio Lower Upper
 63 100
 106 26.8 22.0 33.0

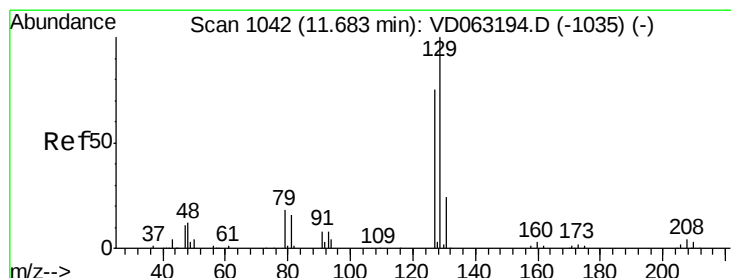
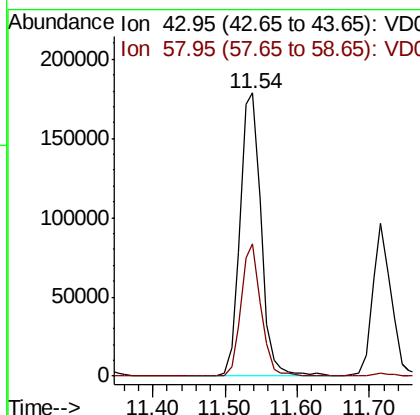
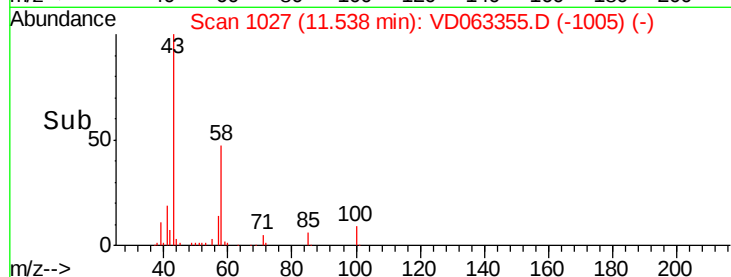
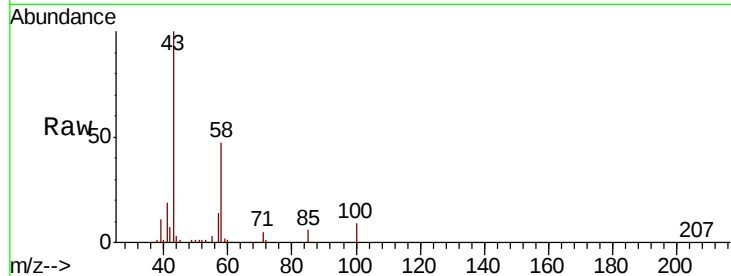




#59
2-Hexanone
Concen: 94.619 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

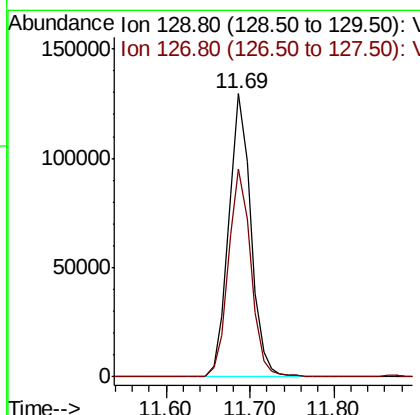
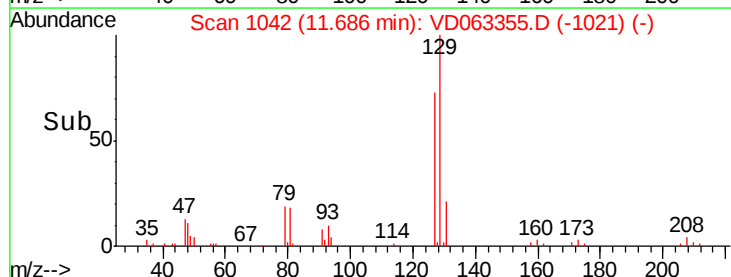
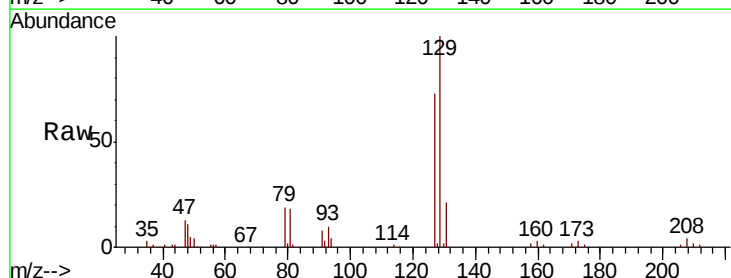
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

Tot Ion: 43 Resp: 366561
Ion Ratio Lower Upper
43 100
58 46.6 22.9 68.5



#60
Dibromochloromethane
Concen: 19.372 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Tgt Ion: 129 Resp: 237148
Ion Ratio Lower Upper
129 100
127 73.4 37.6 112.8

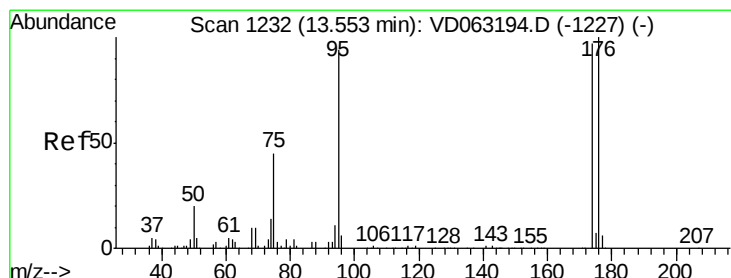
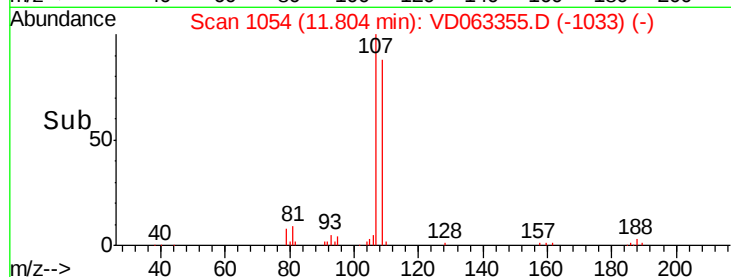
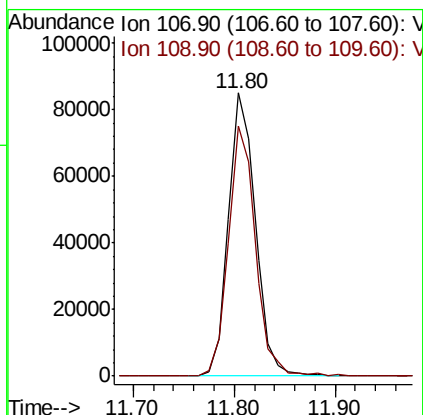
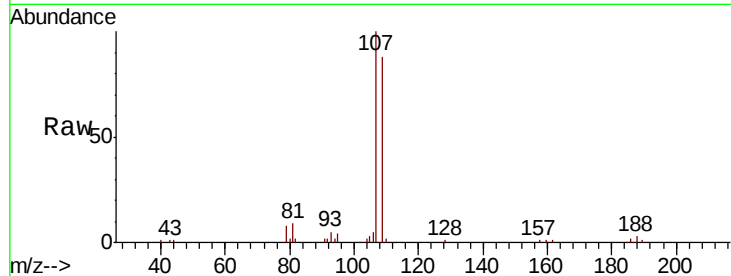




#61
 1,2-Dibromoethane
 Concen: 19.697 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

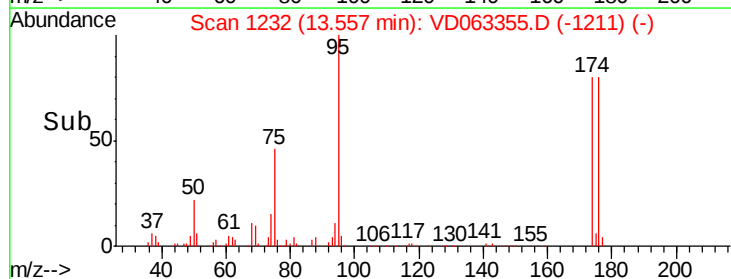
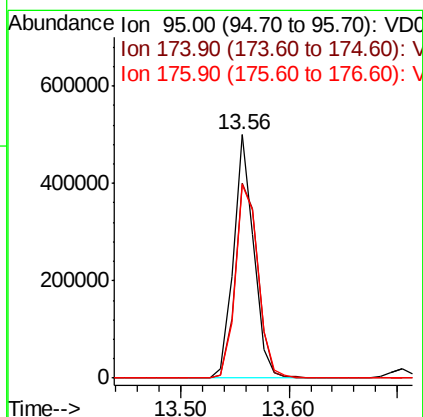
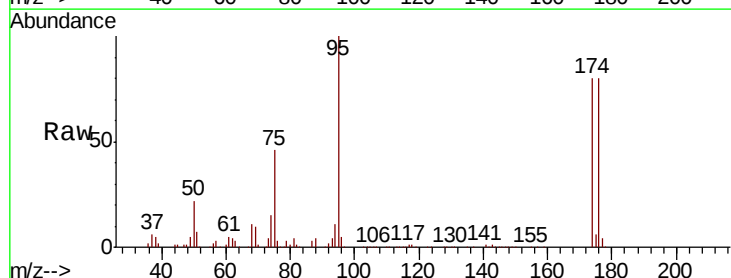
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

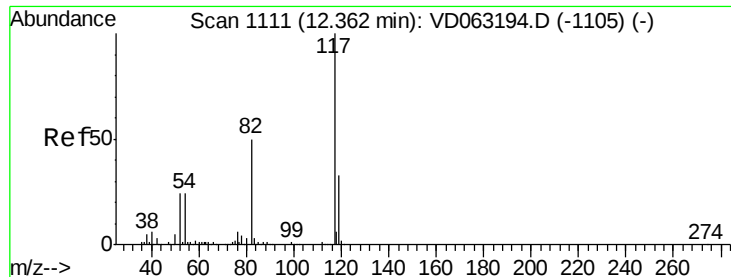
Tot Ion:107 Resp: 157608
 Ion Ratio Lower Upper
 107 100
 109 88.3 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 49.599 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Tgt Ion: 95 Resp: 651813
 Ion Ratio Lower Upper
 95 100
 174 80.2 0.0 205.4
 176 79.8 0.0 211.8

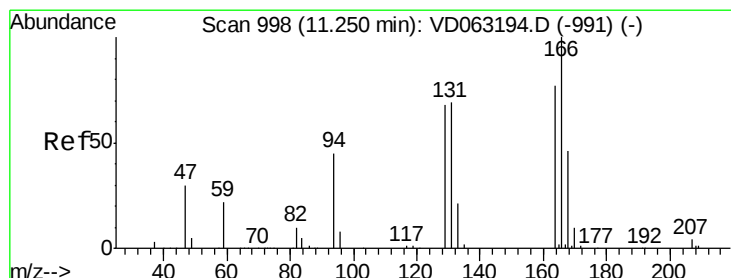
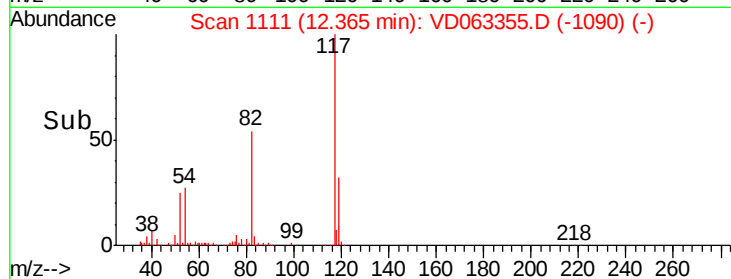
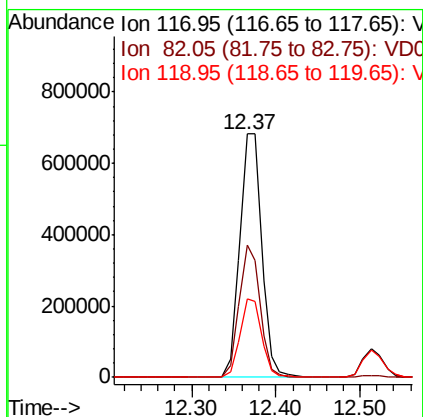
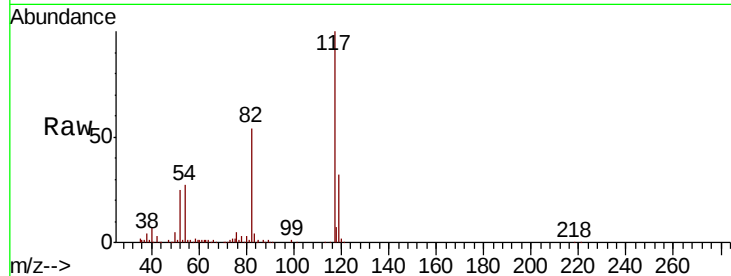




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

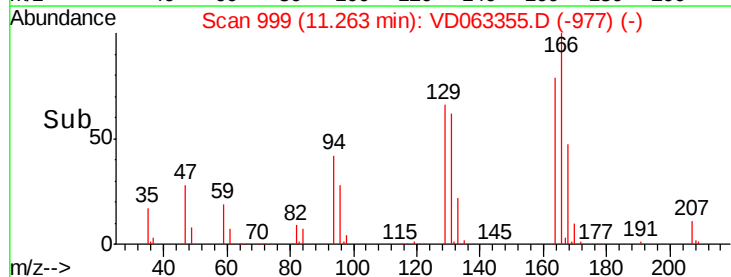
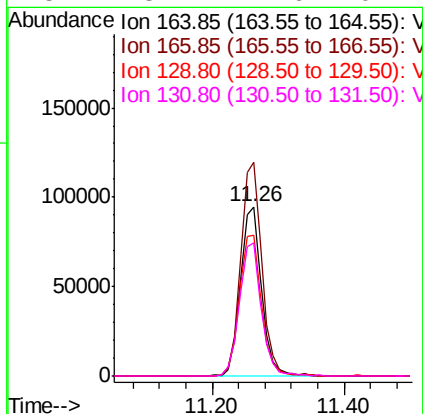
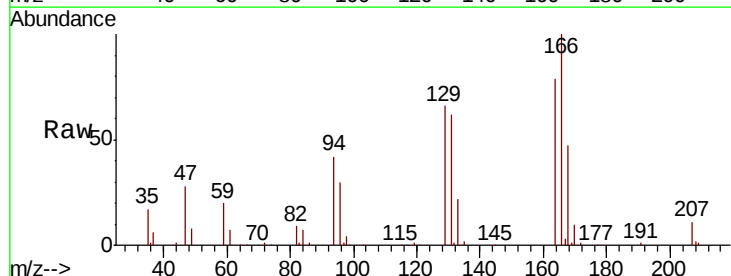
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

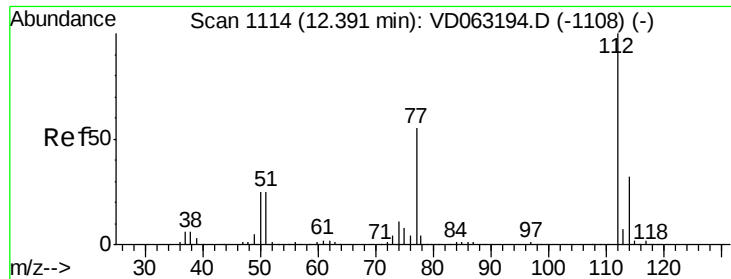
Tot Ion:117 Resp: 1247971
Ion Ratio Lower Upper
117 100
82 54.4 40.1 60.1
119 32.2 26.5 39.7



#64
Tetrachloroethene
Concen: 21.468 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Tgt Ion:164 Resp: 213442
Ion Ratio Lower Upper
164 100
166 126.1 104.3 156.5
129 82.8 70.9 106.3
131 78.7 71.6 107.4

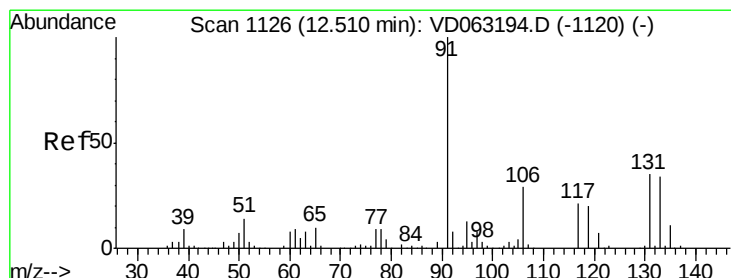
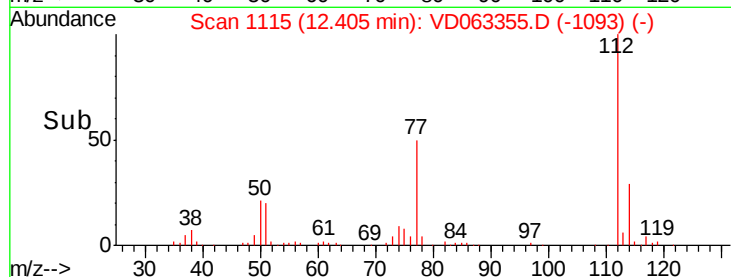
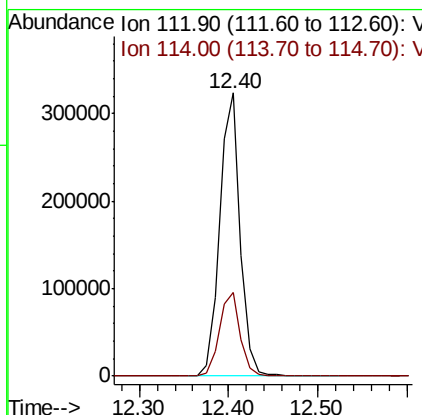
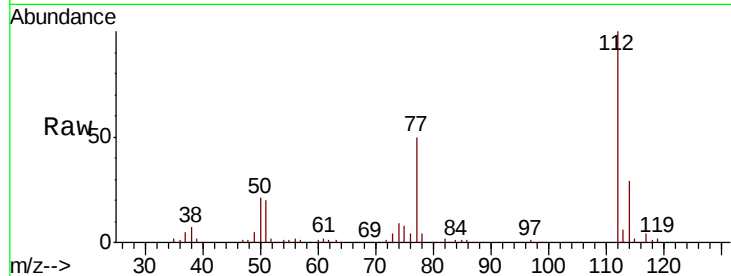




#65
Chlorobenzene
Concen: 21.642 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

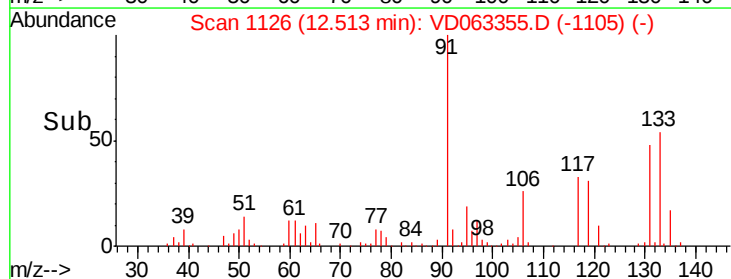
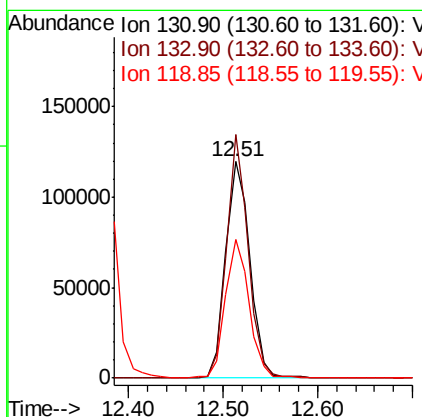
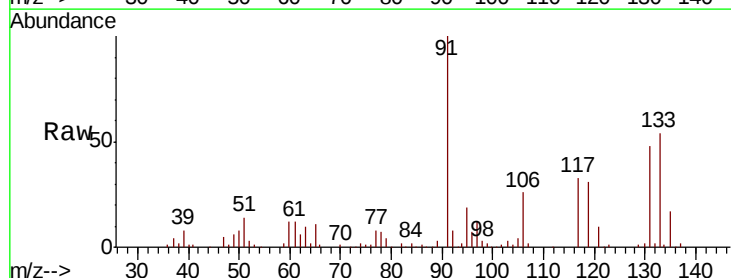
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

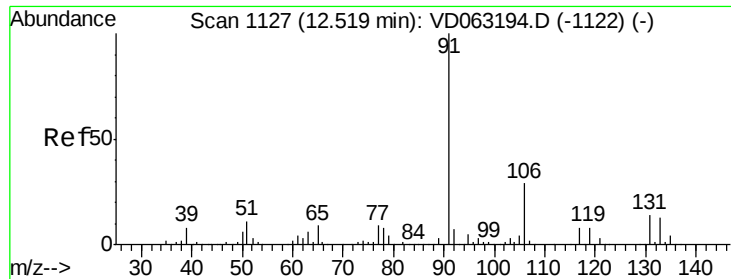
Tot Ion:112 Resp: 519486
Ion Ratio Lower Upper
112 100
114 29.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.025 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Tgt Ion:131 Resp: 211734
Ion Ratio Lower Upper
131 100
133 112.6 48.4 145.2
119 64.4 29.1 87.3

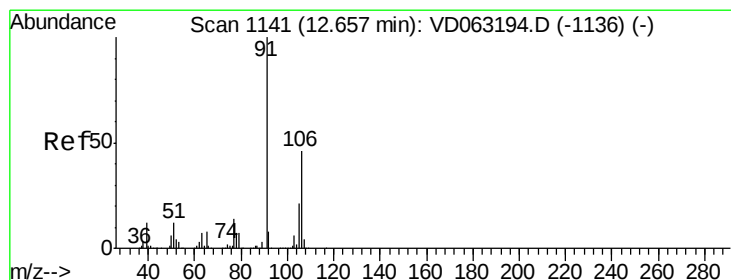
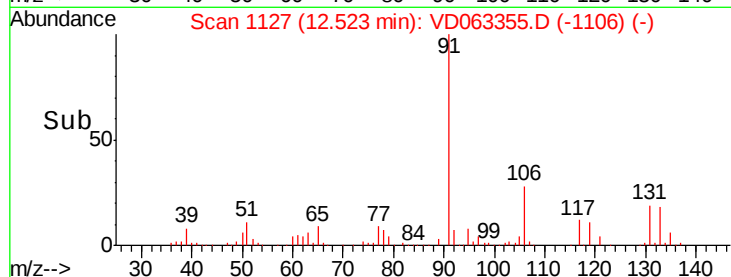
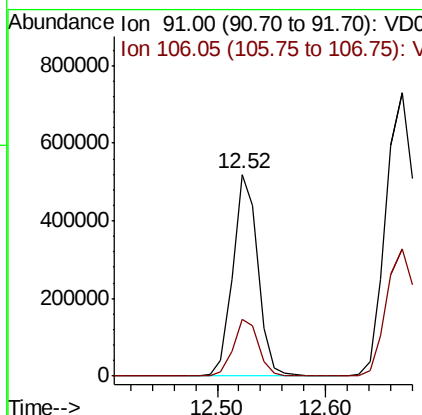
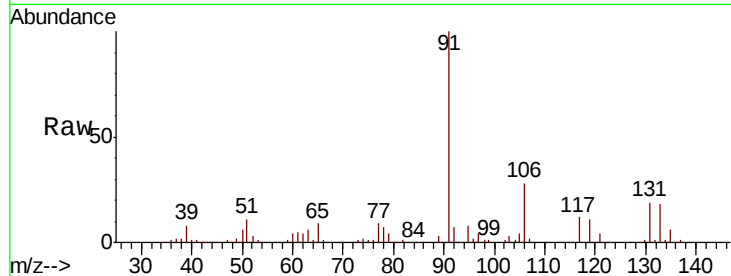




#67
Ethyl Benzene
Concen: 20.472 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

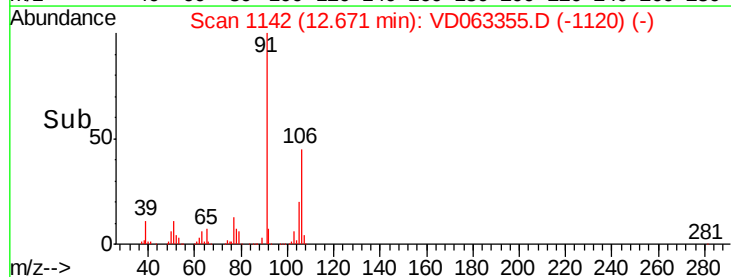
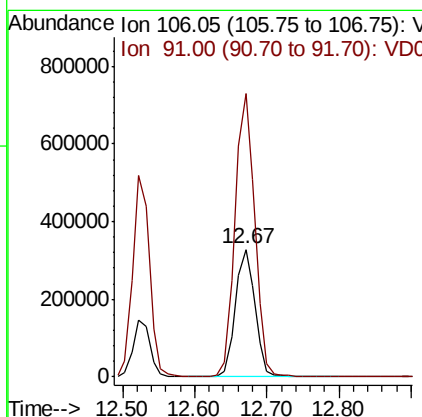
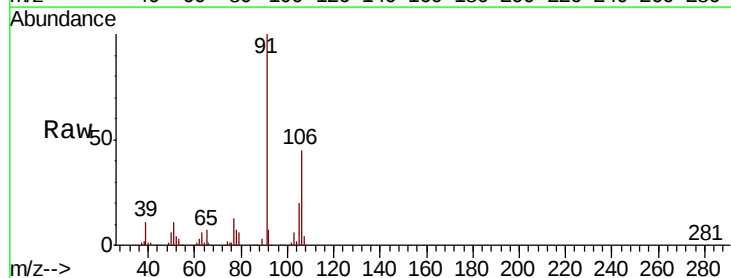
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

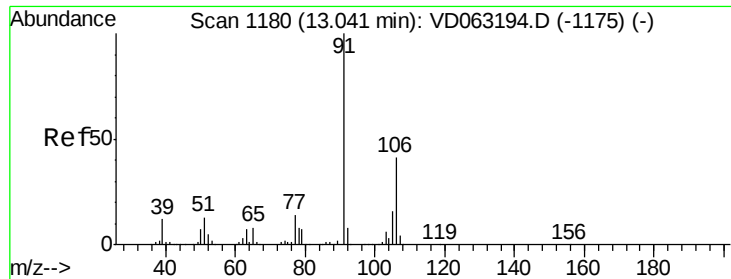
Tot Ion: 91 Resp: 834805
Ion Ratio Lower Upper
91 100
106 28.1 22.9 34.3



#68
m/p-Xylenes
Concen: 41.874 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Tgt Ion: 106 Resp: 626198
Ion Ratio Lower Upper
106 100
91 221.7 172.6 259.0

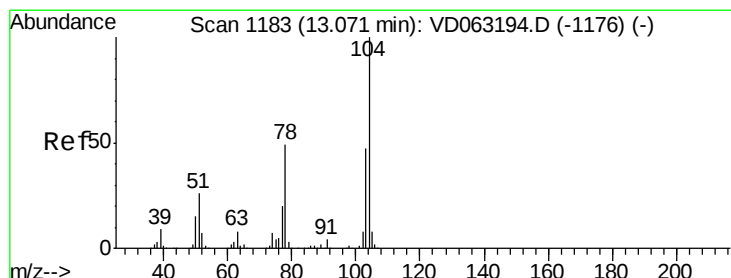
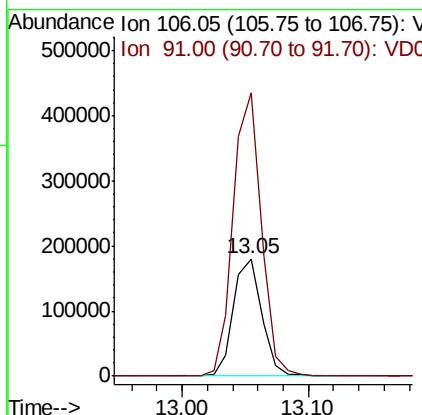
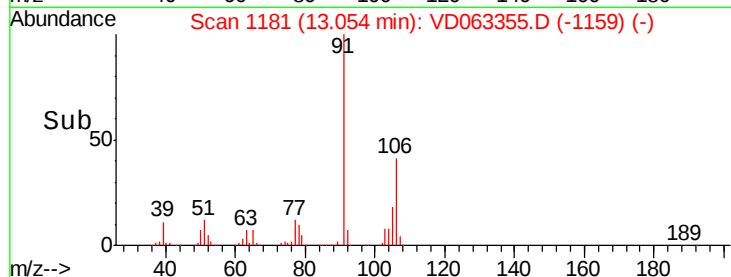
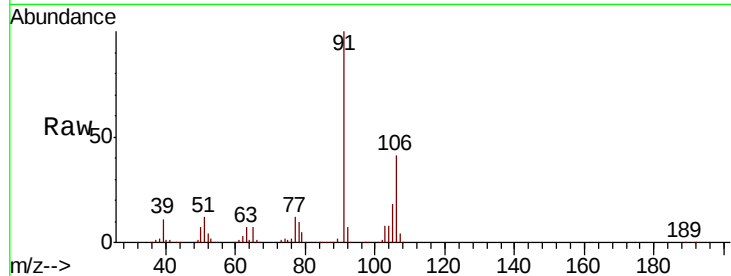




#69
o-Xylene
Concen: 20.442 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

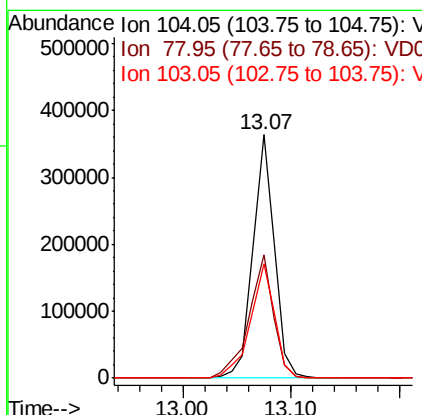
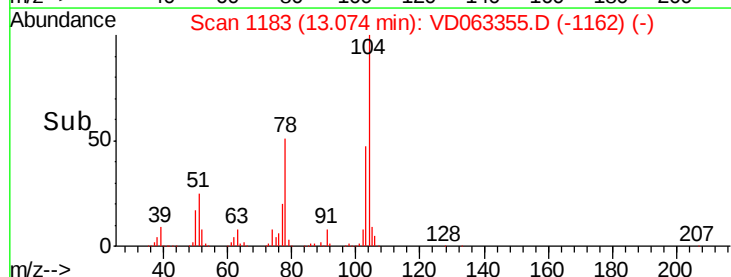
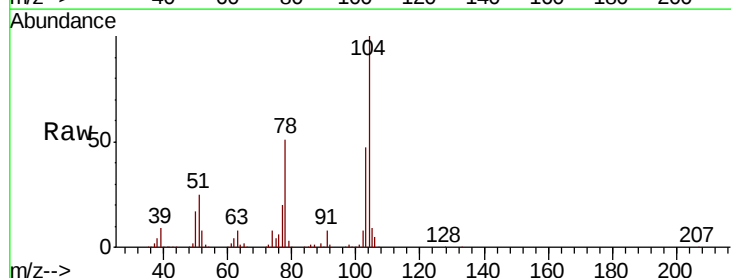
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

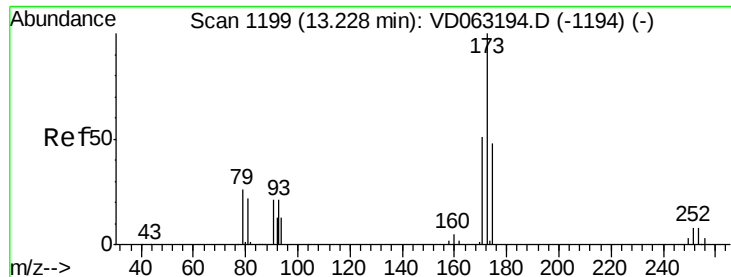
Tot Ion:106 Resp: 280729
Ion Ratio Lower Upper
106 100
91 241.5 121.3 363.9



#70
Styrene
Concen: 20.584 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Tgt Ion:104 Resp: 501305
Ion Ratio Lower Upper
104 100
78 50.5 39.4 59.0
103 46.8 37.4 56.2





#71

Bromoform

Concen: 18.469 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

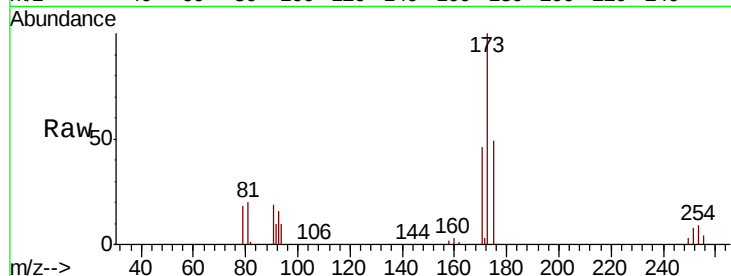
Tot Ion:173 Resp: 142010

Ion Ratio Lower Upper

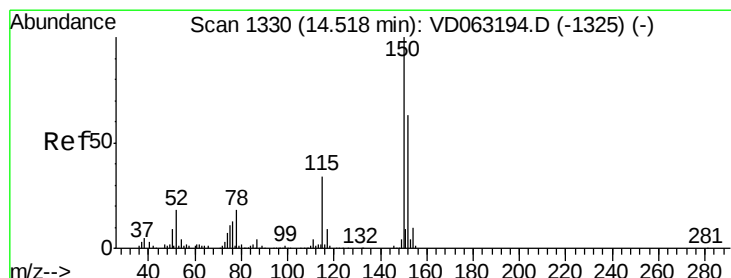
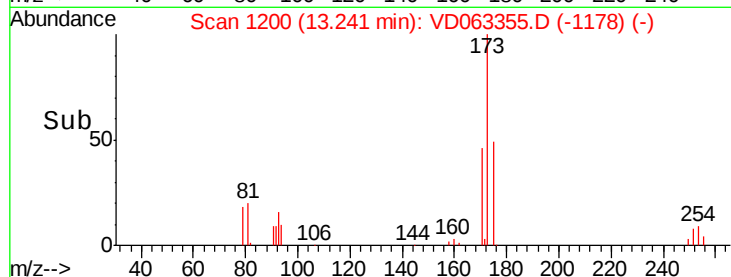
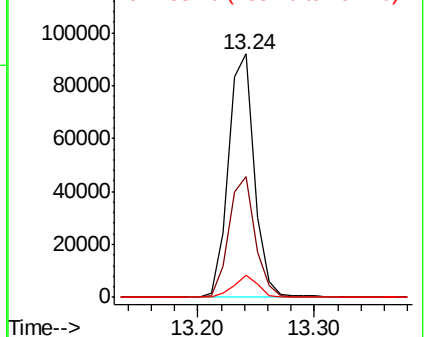
173 100

175 49.3 23.8 71.5

254 9.0 6.6 10.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

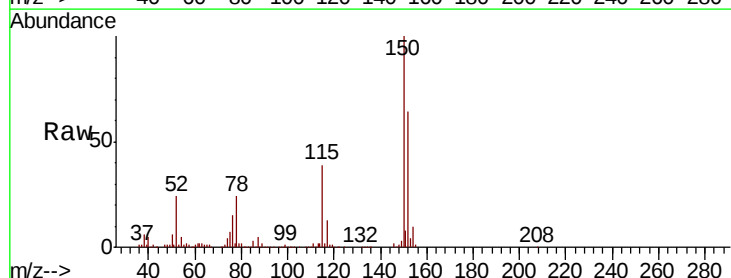
Tgt Ion:152 Resp: 653672

Ion Ratio Lower Upper

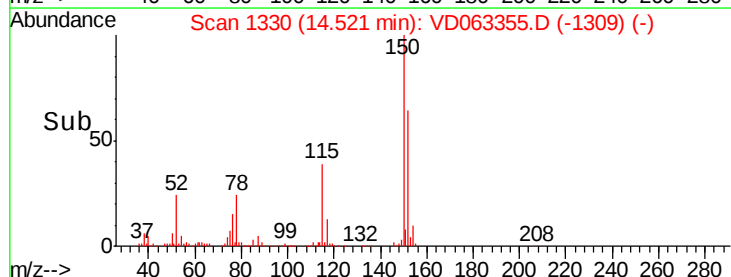
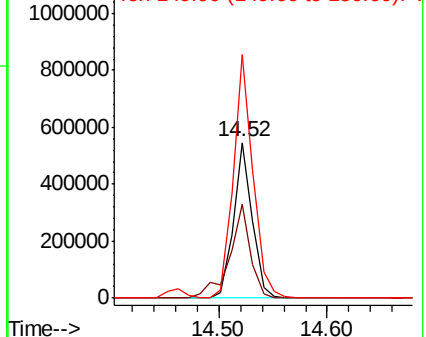
152 100

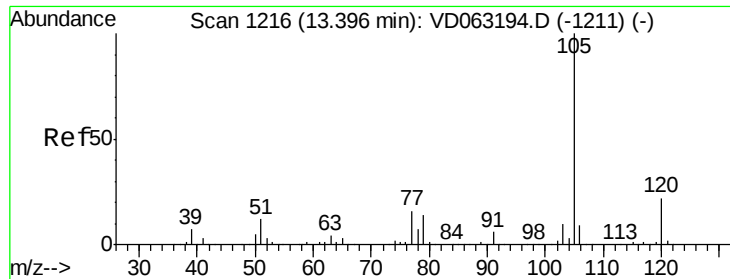
115 60.7 27.5 82.4

150 156.5 0.0 320.6



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





#73

Isopropylbenzene

Concen: 22.321 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

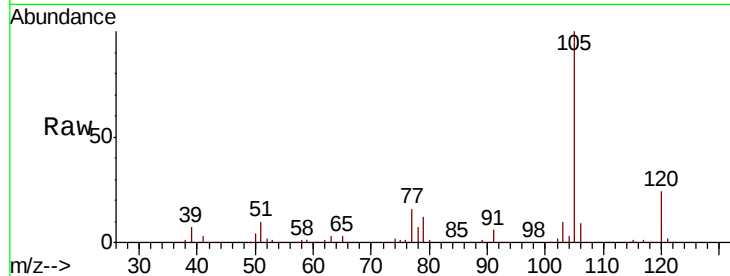
VD0803SBS01

Tot Ion:105 Resp: 915747

Ion Ratio Lower Upper

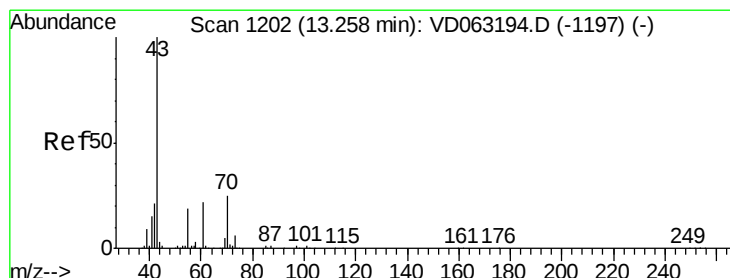
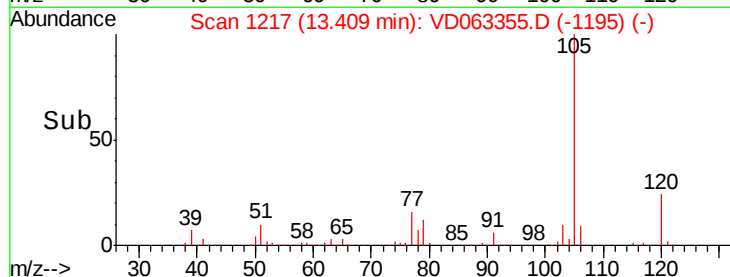
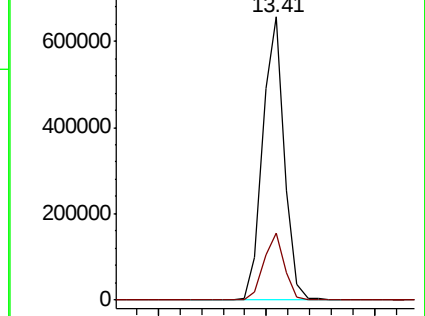
105 100

120 23.8 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.686 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Tgt Ion: 43 Resp: 202661

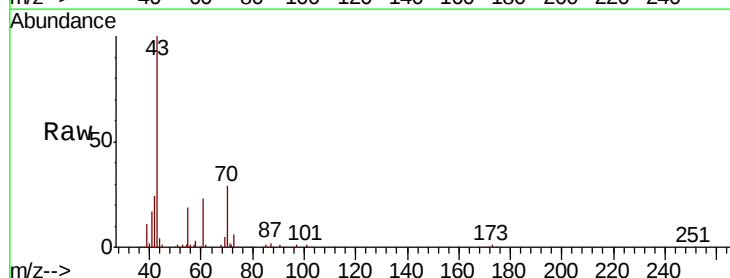
Ion Ratio Lower Upper

43 100

70 28.5 20.2 30.4

55 19.0 14.9 22.3

61 22.9 17.9 26.9

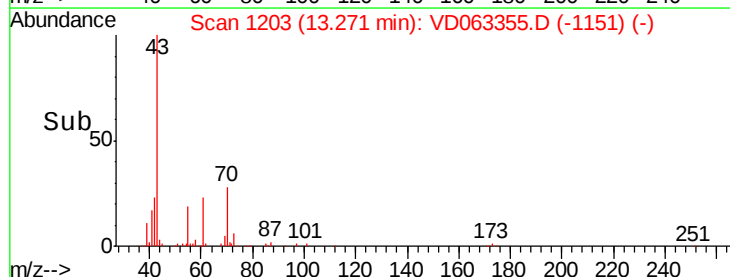
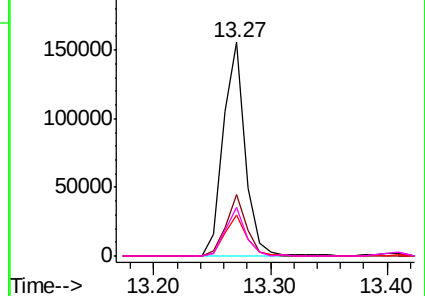


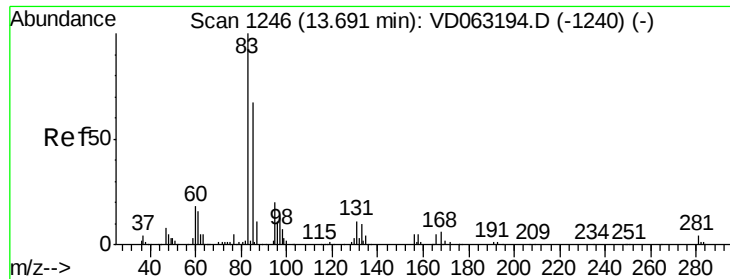
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 18.887 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

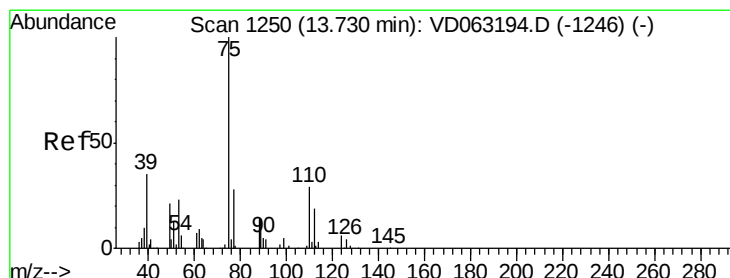
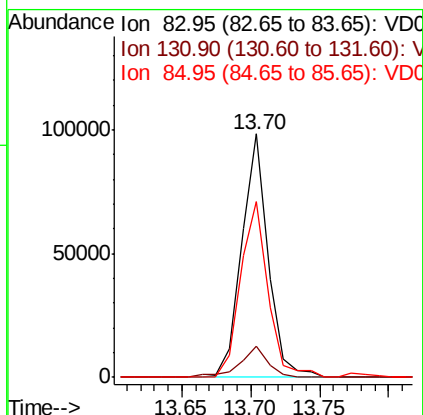
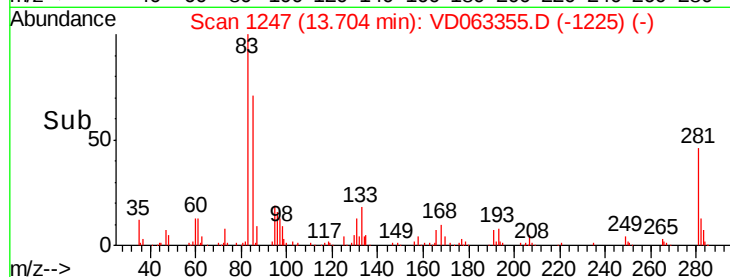
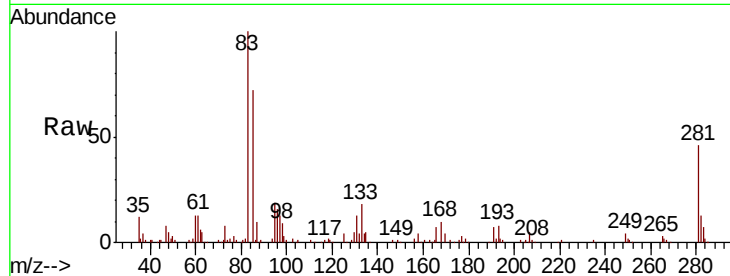
Tot Ion: 83 Resp: 131620

Ion Ratio Lower Upper

83 100

131 12.9 5.5 16.7

85 72.1 33.7 101.1



#76

1,2,3-Trichloropropane

Concen: 18.803 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063355.D

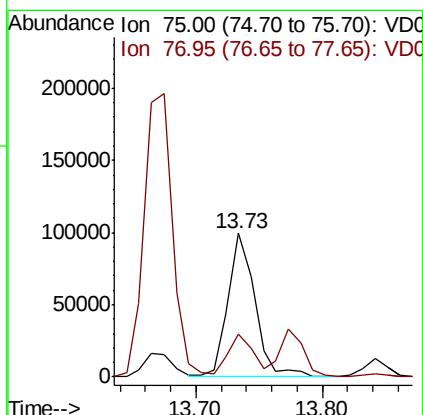
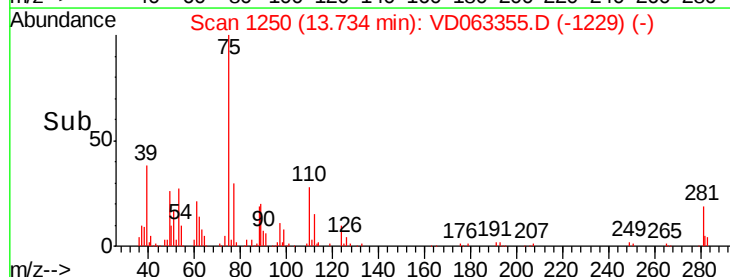
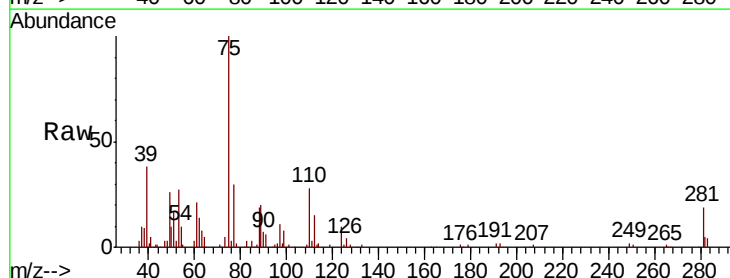
Acq: 3 Aug 2019 12:25

Tgt Ion: 75 Resp: 147631

Ion Ratio Lower Upper

75 100

77 30.2 16.0 48.0





#77

Bromobenzene

Concen: 20.520 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

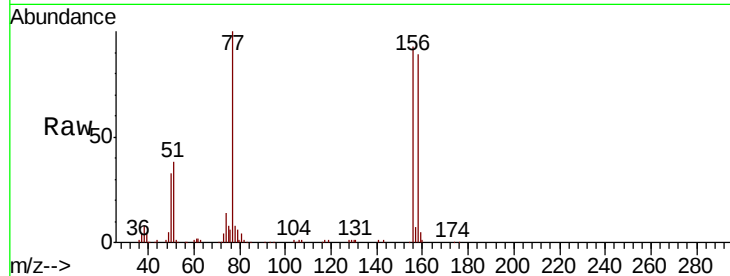
Tot Ion:156 Resp: 239827

Ion Ratio Lower Upper

156 100

77 107.6 67.6 202.8

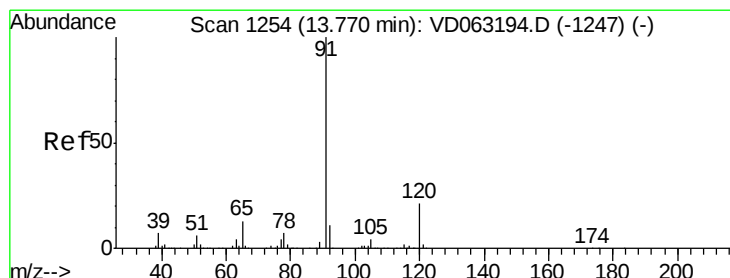
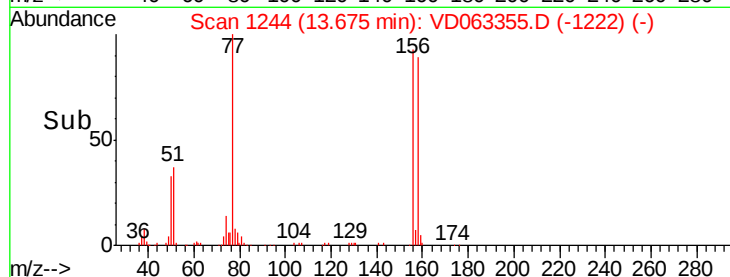
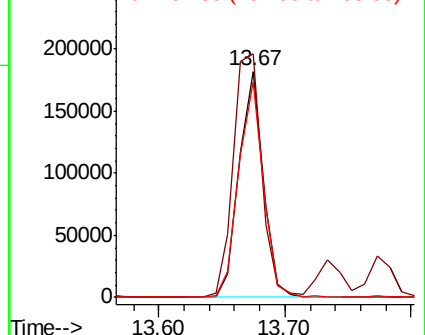
158 95.3 49.8 149.4



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: 20.689 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063355.D

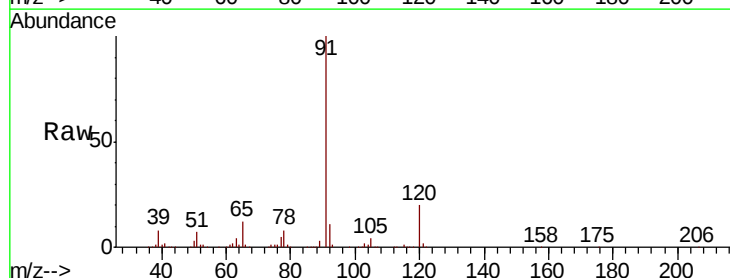
Acq: 3 Aug 2019 12:25

Tgt Ion: 91 Resp: 1010067

Ion Ratio Lower Upper

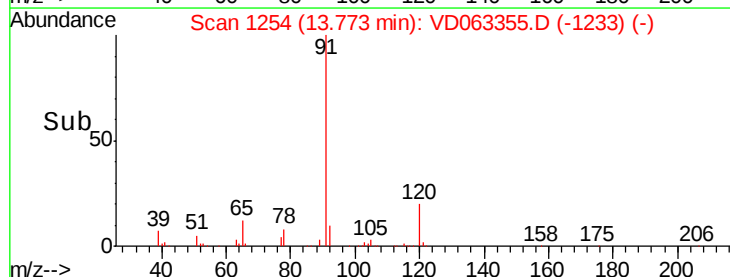
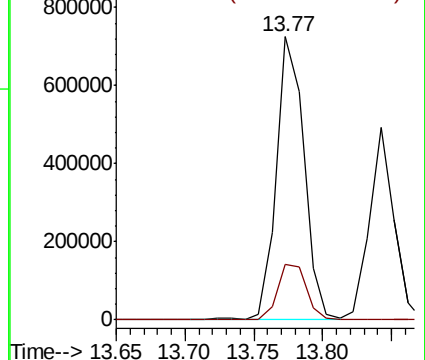
91 100

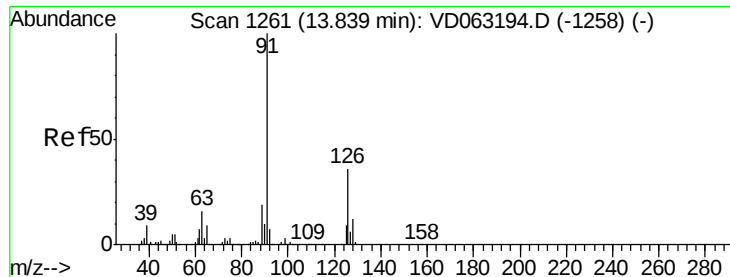
120 19.6 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

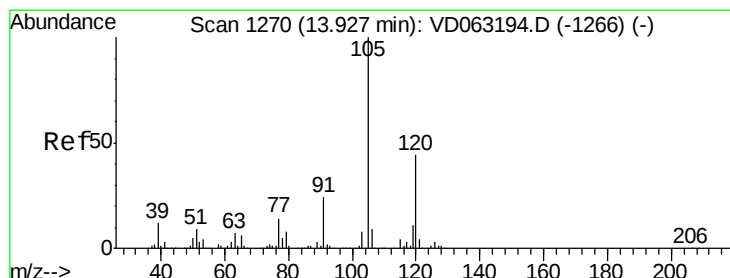
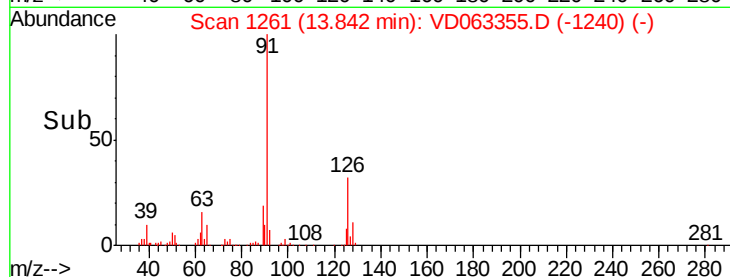
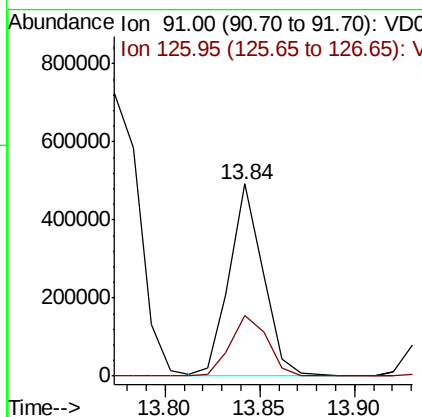
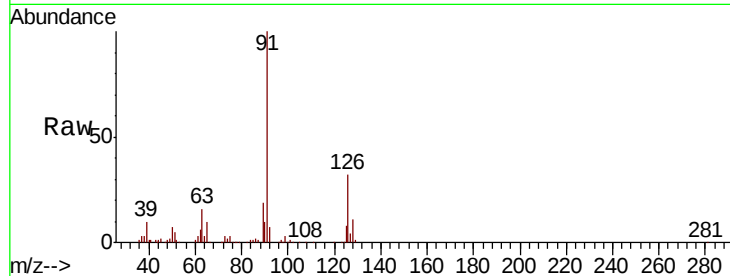




#79
 2-Chlorotoluene
 Concen: 21.432 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

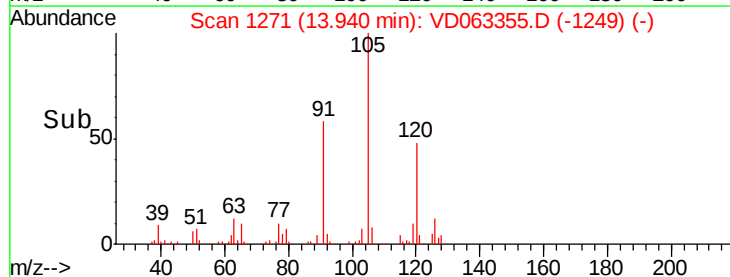
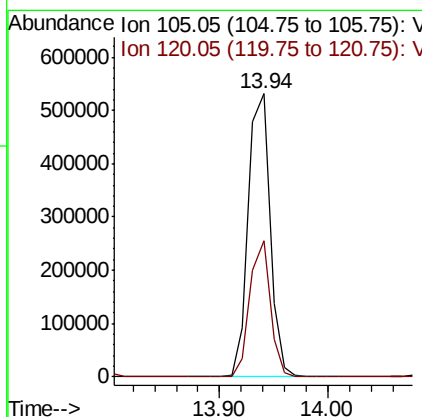
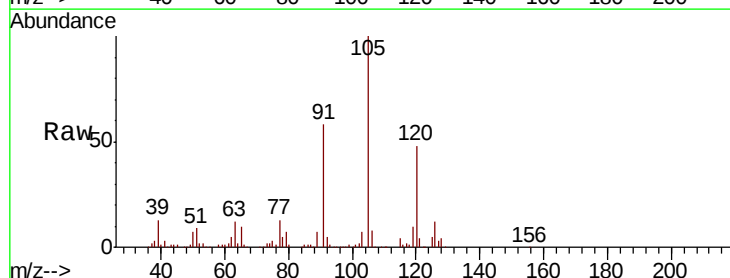
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

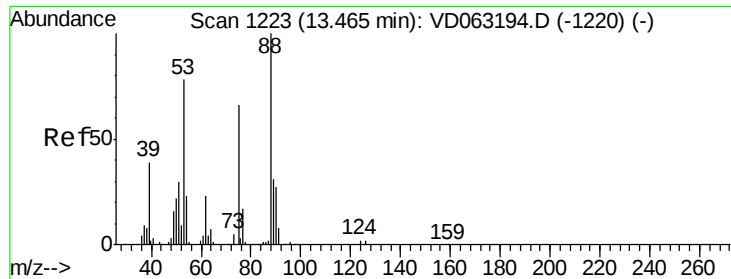
Tot Ion: 91 Resp: 606303
 Ion Ratio Lower Upper
 91 100
 126 31.6 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.185 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Tgt Ion: 105 Resp: 749639
 Ion Ratio Lower Upper
 105 100
 120 48.1 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.672 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063355.D

Acq: 3 Aug 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0803SBS01

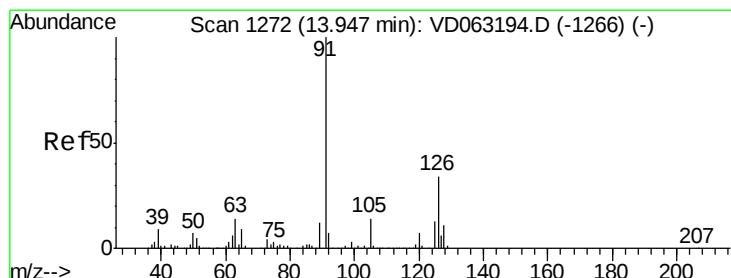
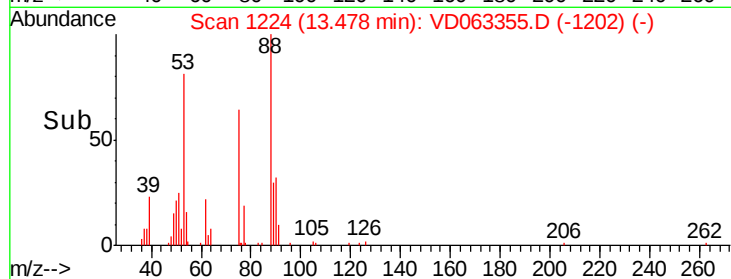
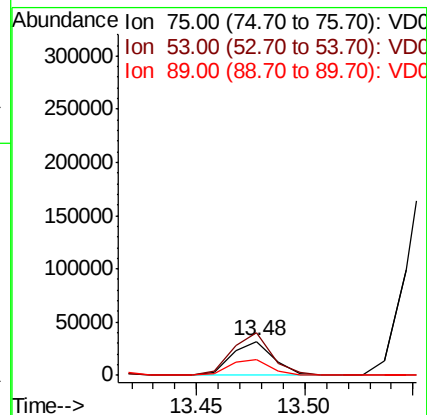
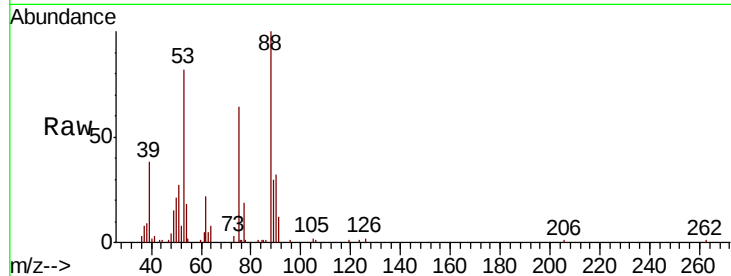
Tot Ion: 75 Resp: 42888

Ion Ratio Lower Upper

75 100

53 128.1 94.9 142.3

89 46.9 37.4 56.0



#82

4-Chlorotoluene

Concen: 21.180 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD063355.D

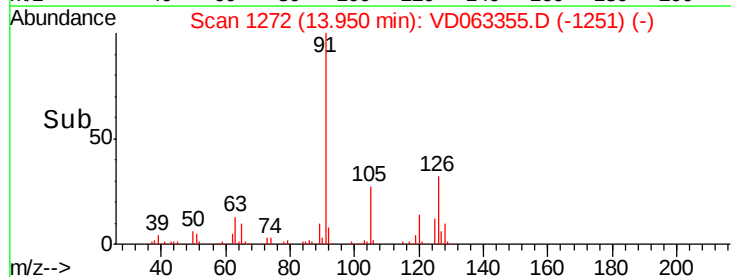
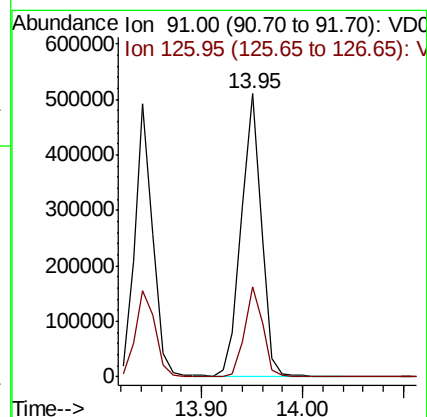
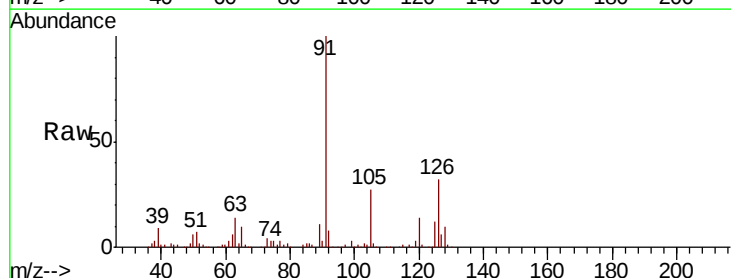
Acq: 3 Aug 2019 12:25

Tgt Ion: 91 Resp: 705144

Ion Ratio Lower Upper

91 100

126 31.9 17.1 51.2

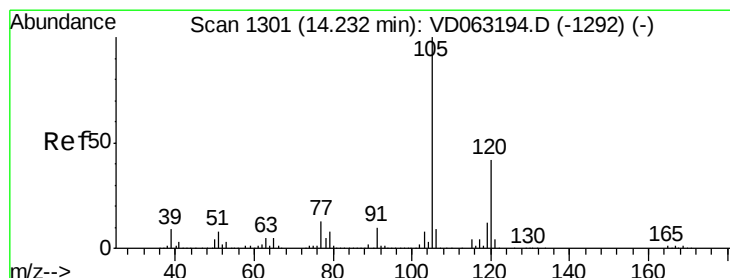
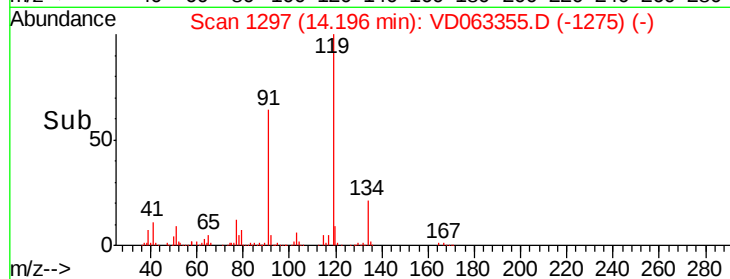
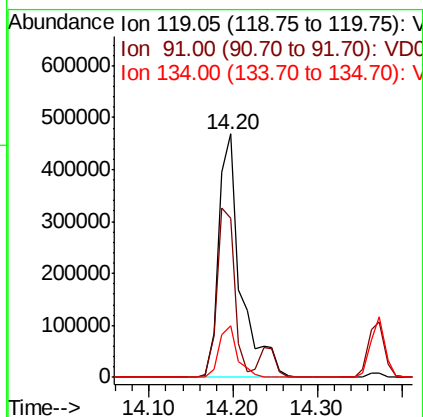
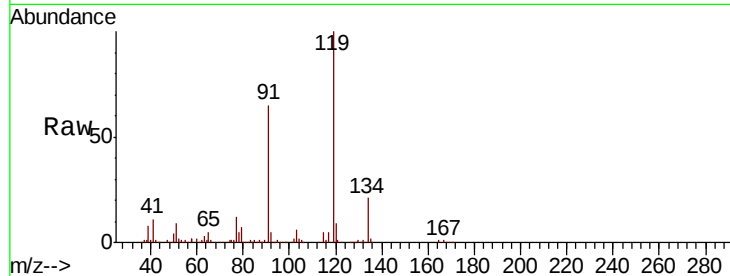




#83
tert-Butylbenzene
Concen: 21.084 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

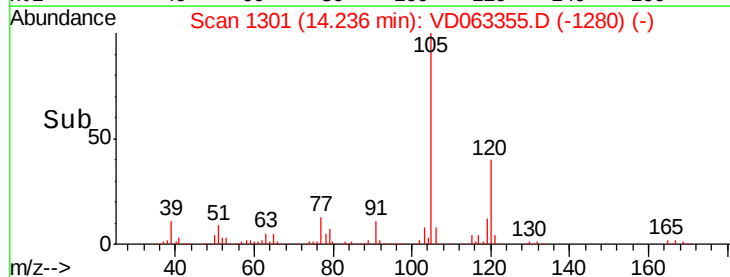
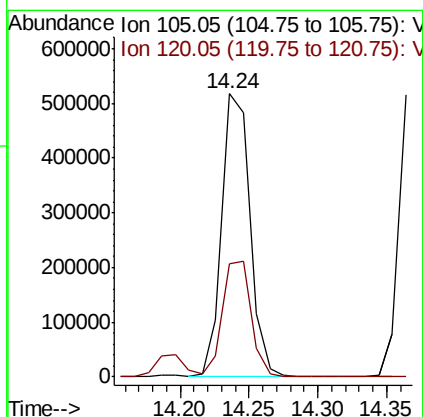
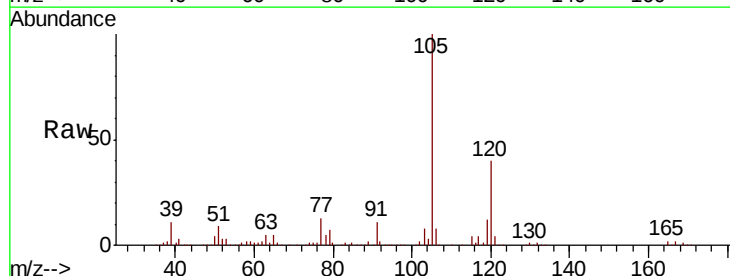
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

Tot Ion:119 Resp: 851870
Ion Ratio Lower Upper
119 100
91 65.3 39.1 117.5
134 21.0 10.9 32.6



#84
1,2,4-Trimethylbenzene
Concen: 20.018 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Tgt Ion:105 Resp: 732667
Ion Ratio Lower Upper
105 100
120 40.0 20.9 62.7

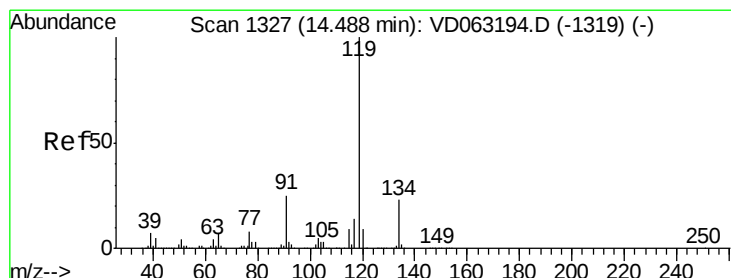
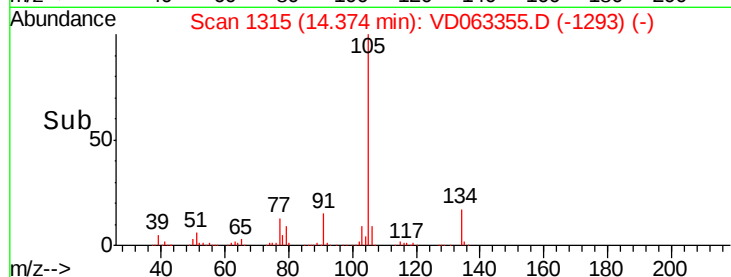
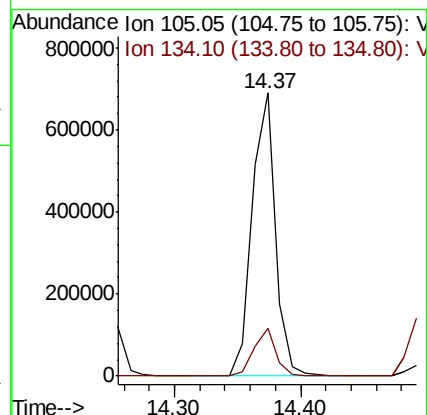
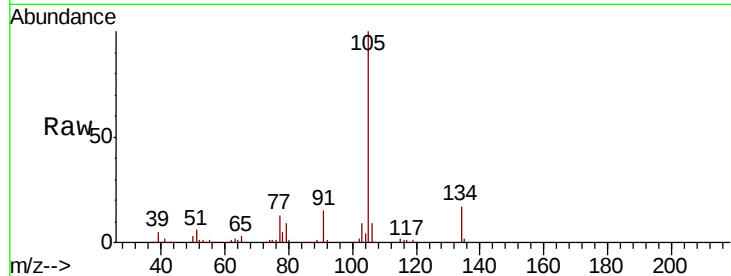




#85
 sec-Butylbenzene
 Concen: 20.773 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

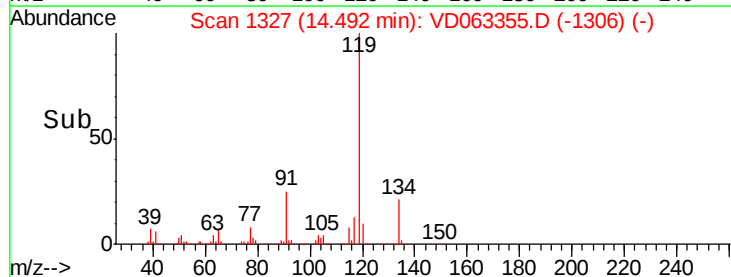
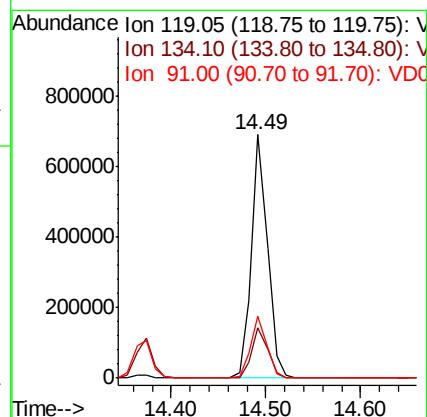
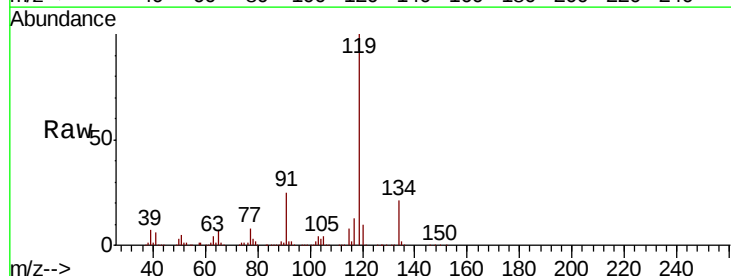
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

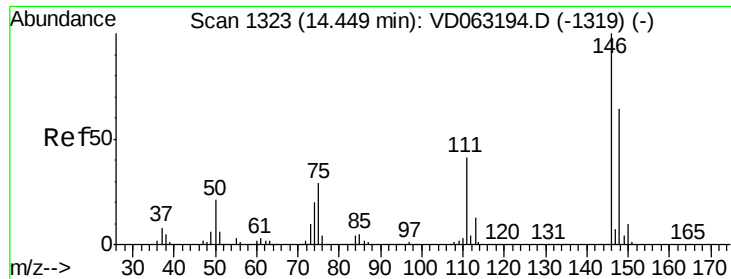
Tot Ion:105 Resp: 884266
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 19.986 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Tgt Ion:119 Resp: 812017
 Ion Ratio Lower Upper
 119 100
 134 20.6 11.5 34.5
 91 25.3 12.6 37.6

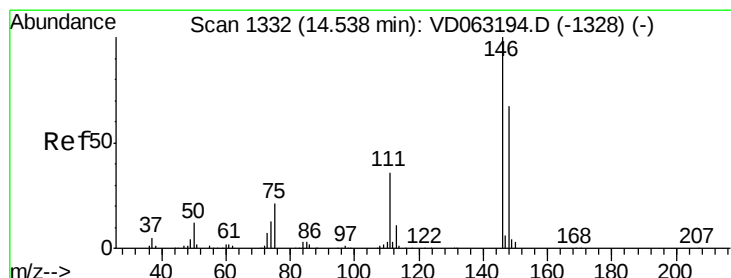
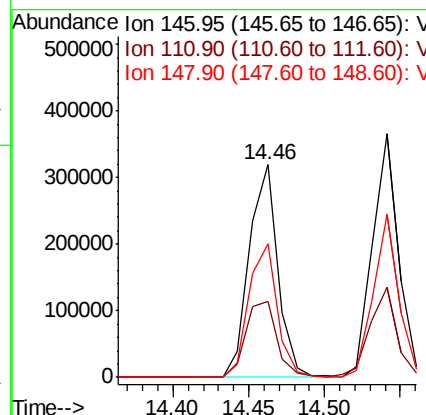
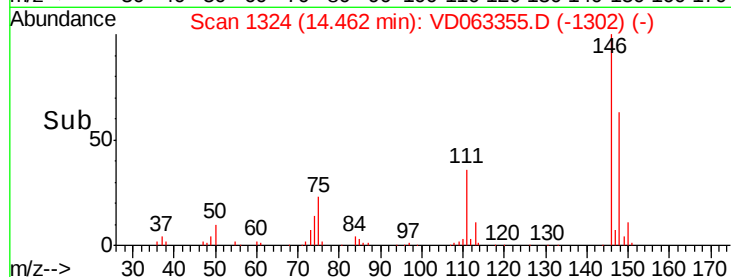
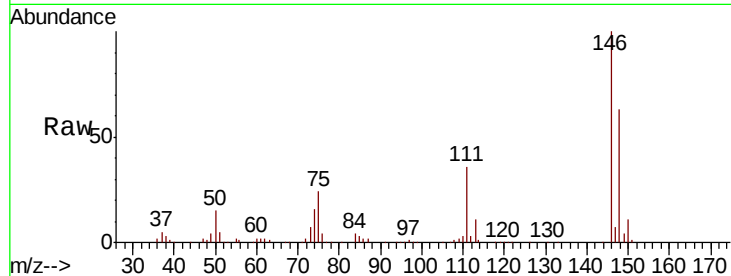




#87
 1,3-Dichlorobenzene
 Concen: 20.313 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

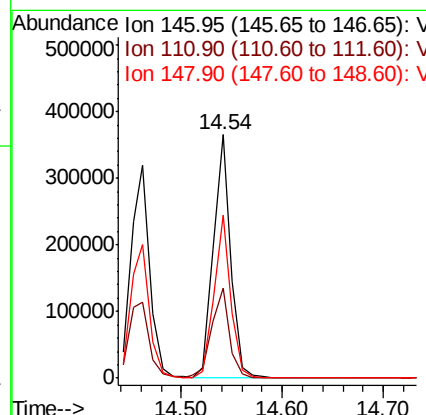
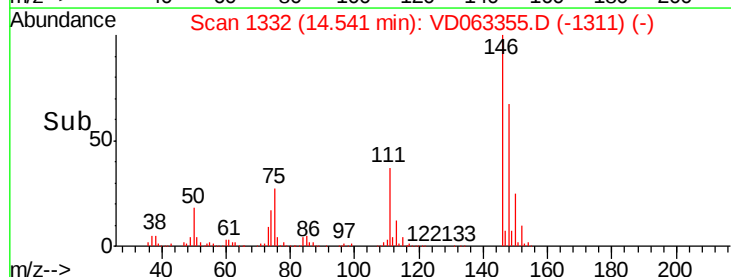
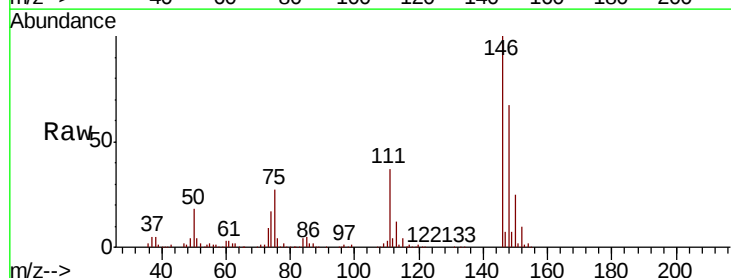
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

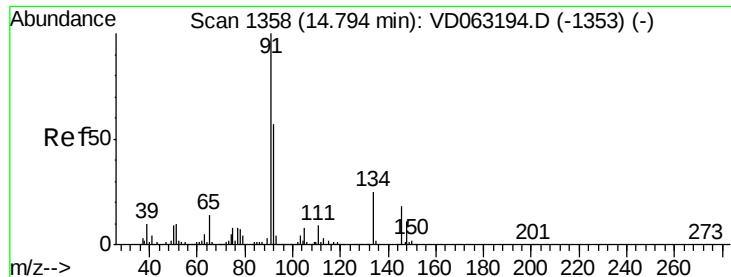
Tot Ion:146 Resp: 420429
 Ion Ratio Lower Upper
 146 100
 111 35.5 20.4 61.3
 148 63.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.029 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Tgt Ion:146 Resp: 440117
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.3
 148 66.7 33.4 100.1

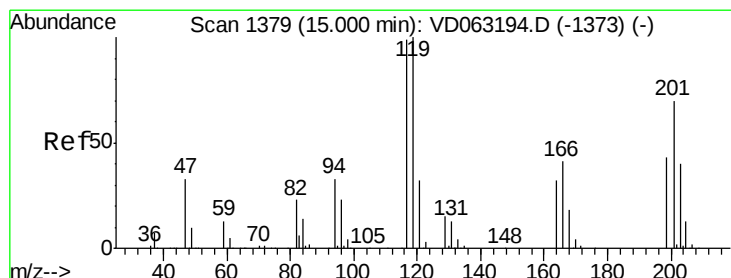
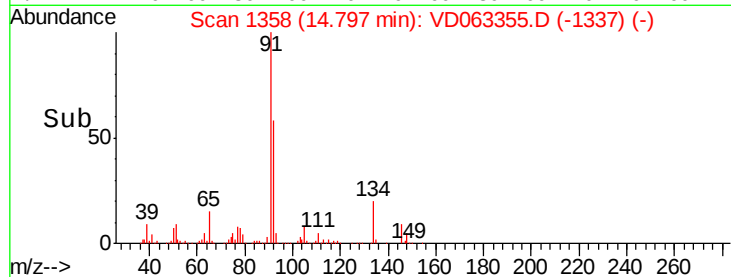
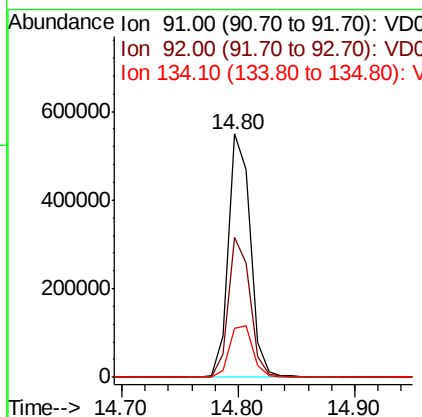
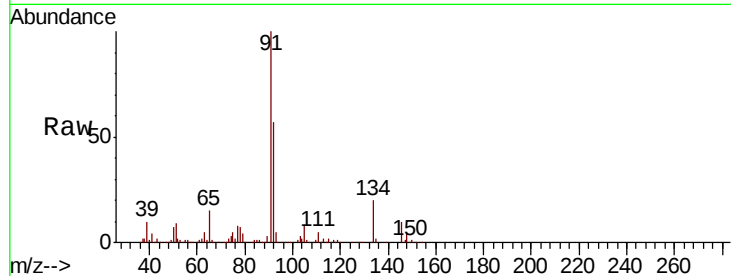




#89
n-Butylbenzene
Concen: 20.480 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

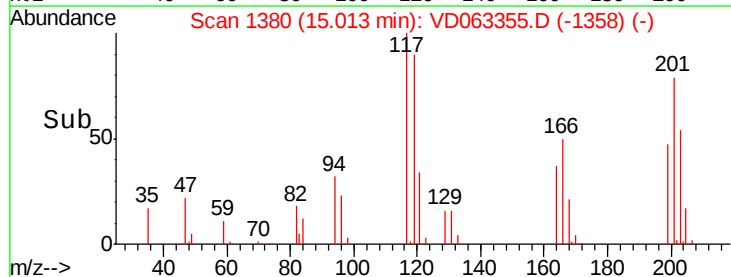
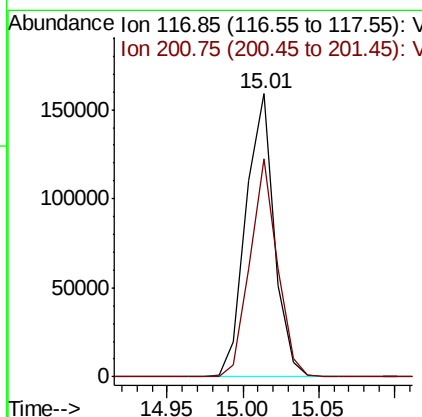
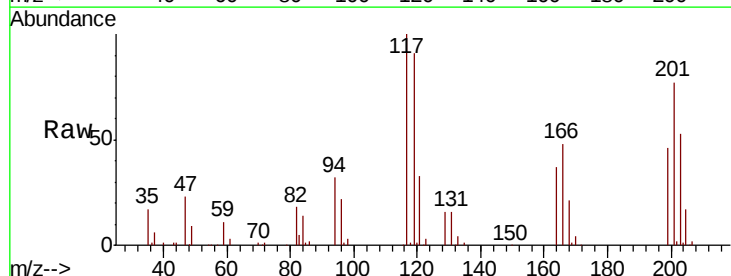
Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

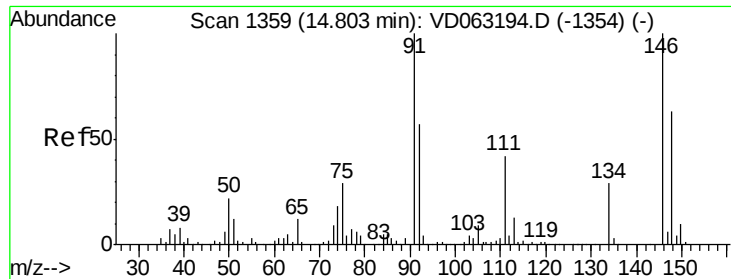
Tot Ion: 91 Resp: 718666
Ion Ratio Lower Upper
91 100
92 57.5 28.3 85.0
134 20.2 12.3 36.8



#90
Hexachloroethane
Concen: 19.550 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Tgt Ion: 117 Resp: 206940
Ion Ratio Lower Upper
117 100
201 77.3 35.2 105.6

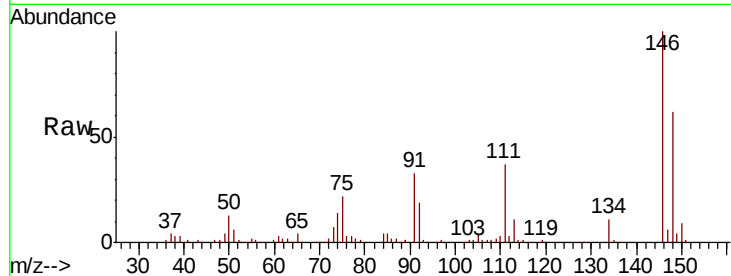




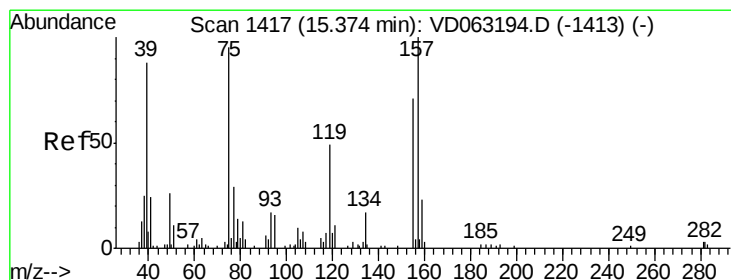
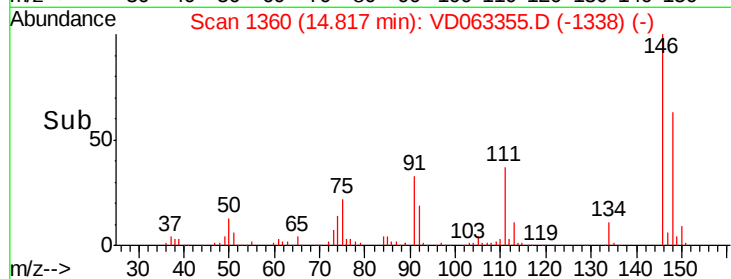
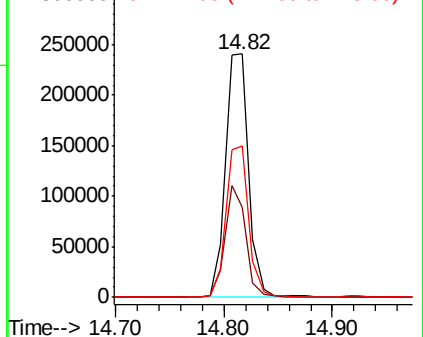
#91
 1,2-Dichlorobenzene
 Concen: 19.929 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

Tot Ion:146 Resp: 359388
 Ion Ratio Lower Upper
 146 100
 111 37.0 21.1 63.3
 148 62.3 31.6 94.8

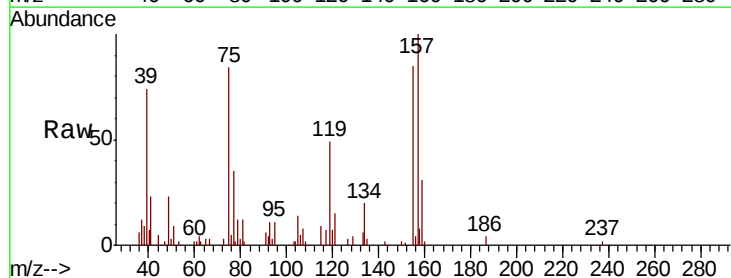


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

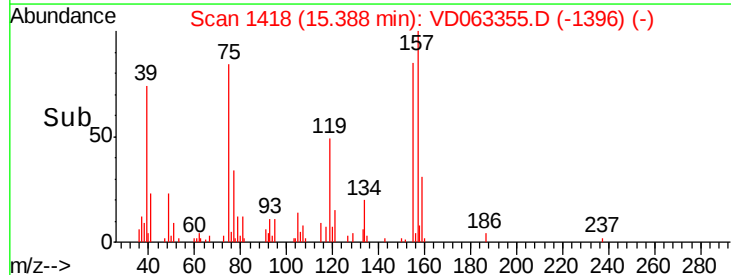
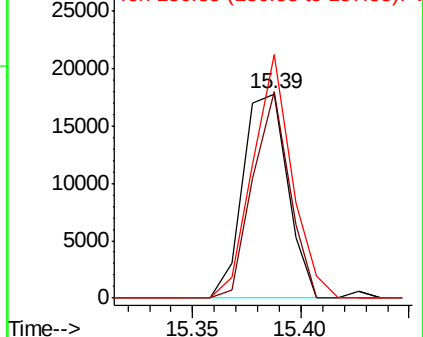


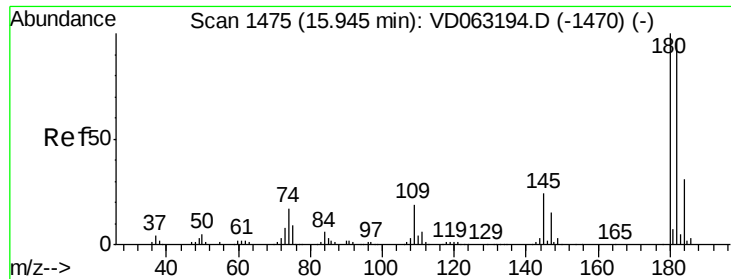
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.923 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Tgt Ion: 75 Resp: 25442
 Ion Ratio Lower Upper
 75 100
 155 100.8 37.0 111.0
 157 119.1 52.4 157.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

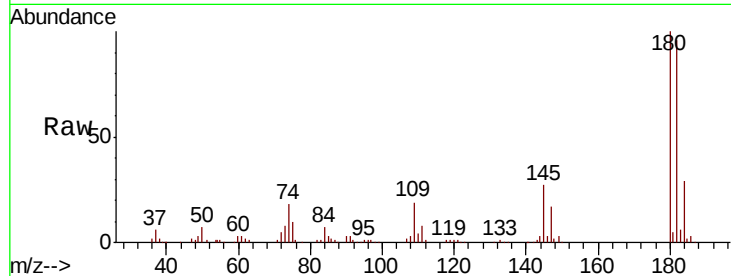




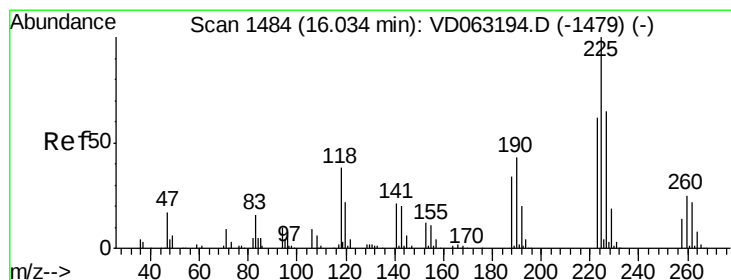
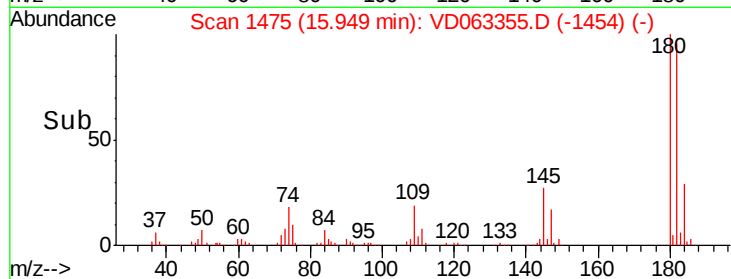
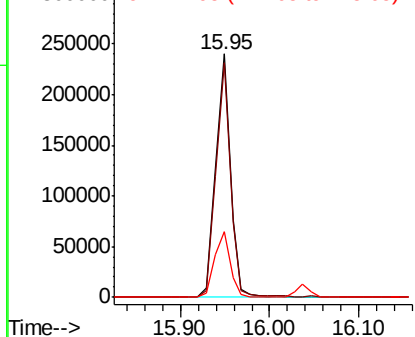
#93
 1,2,4-Trichlorobenzene
 Concen: 19.453 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803SBS01

Tot Ion:180 Resp: 278294
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.6 145.8
 145 27.2 12.2 36.6

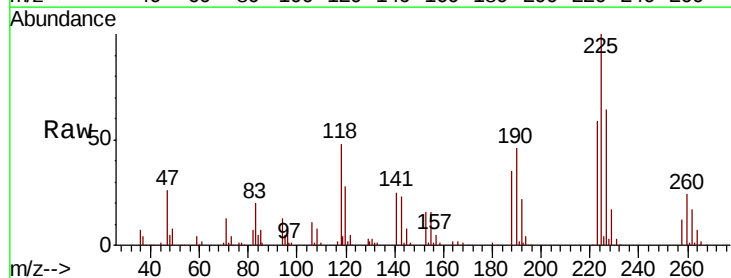


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

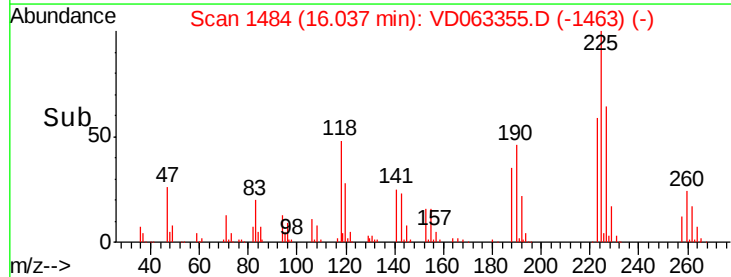
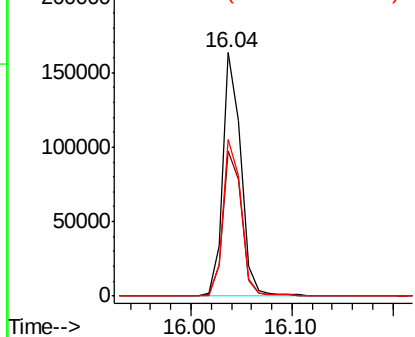


#94
 Hexachlorobutadiene
 Concen: 19.806 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063355.D
 Acq: 3 Aug 2019 12:25

Tgt Ion:225 Resp: 205327
 Ion Ratio Lower Upper
 225 100
 223 59.4 30.9 92.5
 227 64.2 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

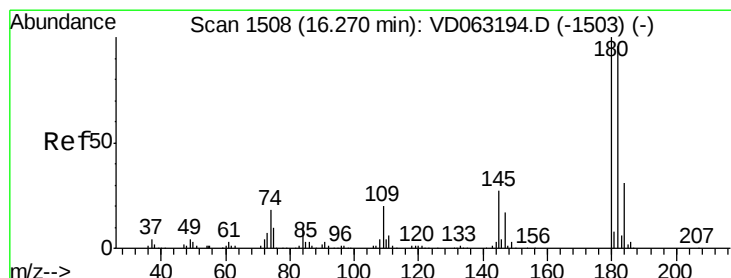
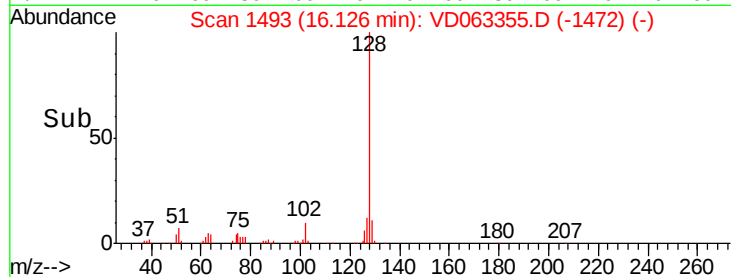
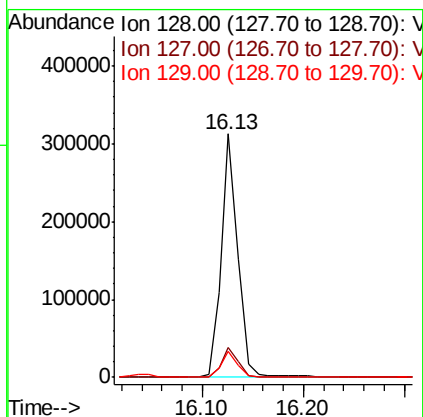
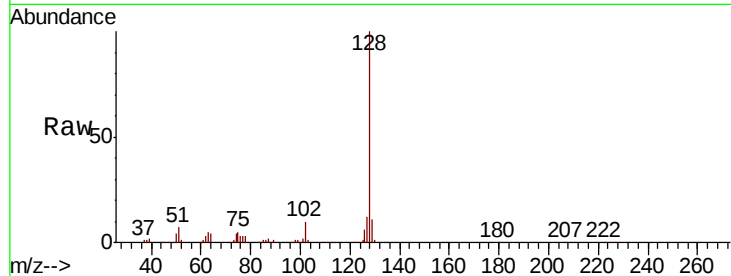




#95
Naphthalene
Concen: 17.803 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0803SBS01

Tot Ion:128 Resp: 359972
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 10.6 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 18.032 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063355.D
Acq: 3 Aug 2019 12:25

Tgt Ion:180 Resp: 203789
Ion Ratio Lower Upper
180 100
182 98.5 48.3 144.9
145 30.1 13.6 40.7

