

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
 Data File : VD063395.D
 Acq On : 6 Aug 2019 13:30
 Operator : JC/SY
 Sample : VD0806SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Quant Time: Aug 07 06:40:57 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	7.05	168	1128190	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1626373	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1287025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	686073	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	639081	51.05	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.10%	
35) Dibromofluoromethane	6.93	113	714992	51.49	ug/l	0.03
Spiked Amount	50.000		Recovery	=	102.98%	
50) Toluene-d8	10.42	98	1537432	49.47	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	13.56	95	659098	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	284495	20.630	ug/l	90
3) Chloromethane	1.75	50	218790	20.420	ug/l	91
4) Vinyl Chloride	1.84	62	220820	19.908	ug/l	98
5) Bromomethane	2.15	94	90410	16.162	ug/l	99
6) Chloroethane	2.26	64	94899	18.531	ug/l	96
7) Trichlorofluoromethane	2.52	101	445392	20.698	ug/l	98
8) Diethyl Ether	2.88	74	61608	20.457	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	254712	21.369	ug/l	98
10) Methyl Iodide	3.30	142	310323	18.022	ug/l	98
11) Tert butyl alcohol	4.09	59	52275	95.155	ug/l #	90
12) 1,1-Dichloroethene	3.12	96	195639	22.357	ug/l	91
13) Acrolein	3.04	56	42808	80.967	ug/l	98
14) Allyl chloride	3.62	41	285955	20.513	ug/l	99
15) Acrylonitrile	4.21	53	153009	107.429	ug/l	94
16) Acetone	3.23	43	255303	104.673	ug/l #	90
17) Carbon Disulfide	3.37	76	584466	19.955	ug/l	100
18) Methyl Acetate	3.65	43	97504	20.812	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	416835	21.088	ug/l	98
20) Methylene Chloride	3.81	84	202035	20.492	ug/l	90
21) trans-1,2-Dichloroethene	4.22	96	205739	20.954	ug/l	99
22) Diisopropyl ether	5.13	45	584438	20.985	ug/l	93
23) Vinyl Acetate	5.06	43	1794795	104.836	ug/l	98
24) 1,1-Dichloroethane	4.99	63	361090	20.298	ug/l	100
25) 2-Butanone	6.08	43	250760	102.443	ug/l #	86
26) 2,2-Dichloropropane	6.03	77	389708	21.257	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	219648	20.865	ug/l	94
28) Bromochloromethane	6.44	49	145505	20.528	ug/l #	93
29) Tetrahydrofuran	6.47	42	120399	103.890	ug/l	98
30) Chloroform	6.67	83	457152	20.707	ug/l	99
31) Cyclohexane	6.96	56	211780	18.992	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	446875	20.926	ug/l	95
36) 1,1-Dichloropropene	7.15	75	304849	20.539	ug/l	98
37) Ethyl Acetate	6.19	43	130556	19.579	ug/l	98
38) Carbon Tetrachloride	7.11	117	416956	18.660	ug/l	95

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 Misc : 5.00g/5ml/MSVOA_D/SOIL
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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	8.87	83	235714	19.061	ug/l	93
40) Benzene	7.45	78	625561	20.110	ug/l	97
41) Methacrylonitrile	6.46	41	160867	20.168	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	327349	19.856	ug/l	96
43) Isopropyl Acetate	9.25	43	166419	19.537	ug/l #	98
44) Trichloroethene	8.55	130	242265	19.220	ug/l	99
45) 1,2-Dichloropropane	8.94	63	160511	20.300	ug/l	99
46) Dibromomethane	9.07	93	128958	19.615	ug/l	98
47) Bromodichloromethane	9.38	83	332841	19.861	ug/l	90
48) Methyl methacrylate	9.13	41	108319	19.607	ug/l	94
49) 1,4-Dioxane	9.09	88	19524	414.787	ug/l #	86
51) 4-Methyl-2-Pentanone	10.31	43	596267	102.930	ug/l	100
52) Toluene	10.52	92	417719	20.190	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	274776	19.018	ug/l	91
54) cis-1,3-Dichloropropene	10.04	75	305016	20.087	ug/l	100
55) 1,1,2-Trichloroethane	11.20	97	141637	20.270	ug/l	92
56) Ethyl methacrylate	11.05	69	158828	20.757	ug/l	90
57) 1,3-Dichloropropane	11.41	76	210807	19.148	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	388896	97.677	ug/l	97
59) 2-Hexanone	11.54	43	421092	100.869	ug/l	98
60) Dibromochloromethane	11.69	129	269191	20.406	ug/l	100
61) 1,2-Dibromoethane	11.81	107	171316	19.869	ug/l	98
64) Tetrachloroethene	11.26	164	216859	21.150	ug/l	92
65) Chlorobenzene	12.41	112	507517	20.501	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.51	131	237363	21.768	ug/l	98
67) Ethyl Benzene	12.52	91	883856	21.017	ug/l	96
68) m/p-Xylenes	12.67	106	657810	42.653	ug/l	98
69) o-Xylene	13.06	106	301267	21.272	ug/l	96
70) Styrene	13.08	104	539383	21.476	ug/l	100
71) Bromoform	13.24	173	163239	20.585	ug/l	98
73) Isopropylbenzene	13.41	105	930170	21.602	ug/l	99
74) N-amyl acetate	13.27	43	245146	21.536	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	13.71	83	163528	22.357	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	176185	21.380	ug/l	96
77) Bromobenzene	13.68	156	261189	21.293	ug/l	78
78) n-propylbenzene	13.78	91	971762	18.964	ug/l	97
79) 2-Chlorotoluene	13.84	91	619702	20.871	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	787132	21.194	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	40487	17.693	ug/l #	81
82) 4-Chlorotoluene	13.95	91	758358	21.703	ug/l	97
83) tert-Butylbenzene	14.19	119	852717	20.108	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	744573	19.383	ug/l	97
85) sec-Butylbenzene	14.37	105	930532	20.827	ug/l	97
86) p-Isopropyltoluene	14.49	119	912968	21.410	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	478442	22.025	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	433576	19.738	ug/l	98
89) n-Butylbenzene	14.80	91	792779	21.525	ug/l	95
90) Hexachloroethane	15.01	117	224011	20.163	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	410557	21.692	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	31296	21.006	ug/l	64

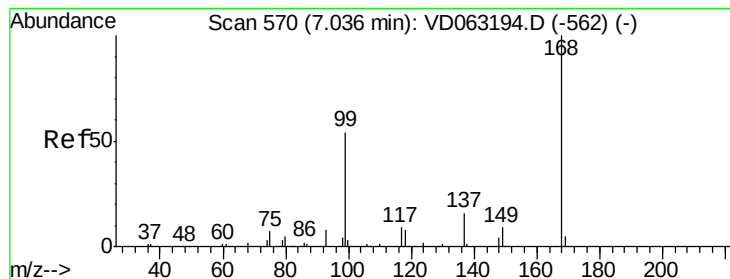
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
Data File : VD063395.D
Acq On : 6 Aug 2019 13:30
Operator : JC/SY
Sample : VD0806SBS01
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Instrument :
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Quant Time: Aug 07 06:40:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	285339	19.004	ug/l	98
94) Hexachlorobutadiene	16.04	225	212903	19.567	ug/l	98
95) Naphthalene	16.13	128	431644	20.340	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	221845	18.703	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

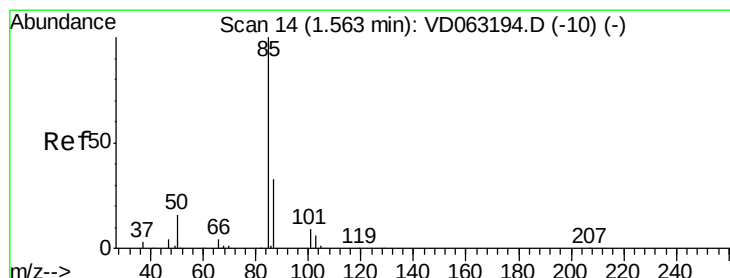
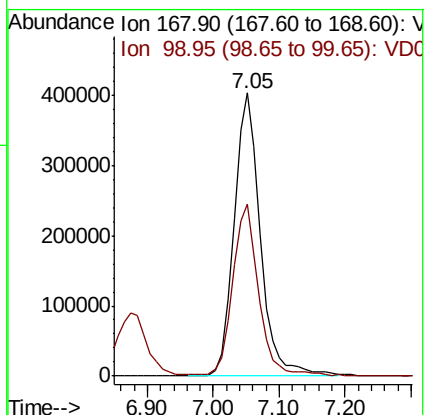
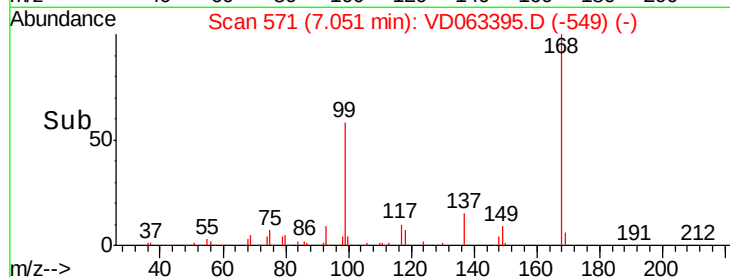
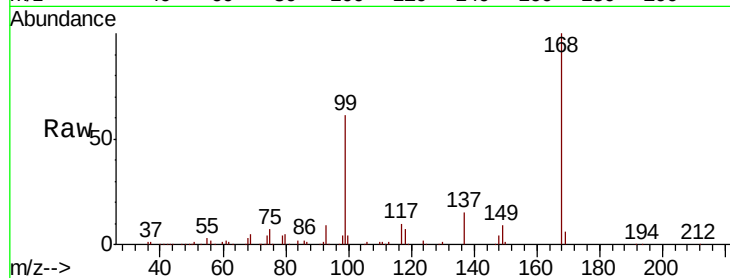
VD0806SBS01

Tgt Ion:168 Resp: 1128190

Ion Ratio Lower Upper

168 100

99 60.6 43.7 65.5



#2

Dichlorodifluoromethane

Concen: 20.630 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.02 min

Lab File: VD063395.D

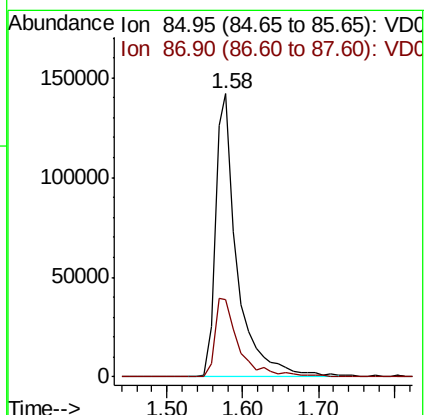
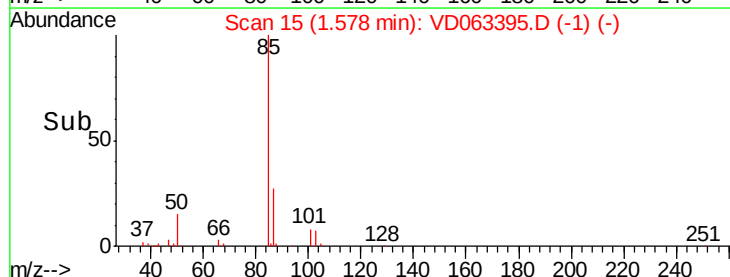
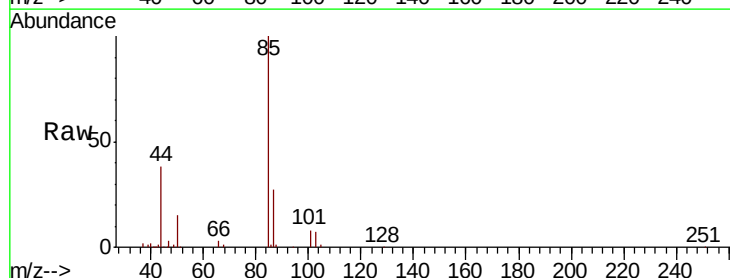
Acq: 6 Aug 2019 13:30

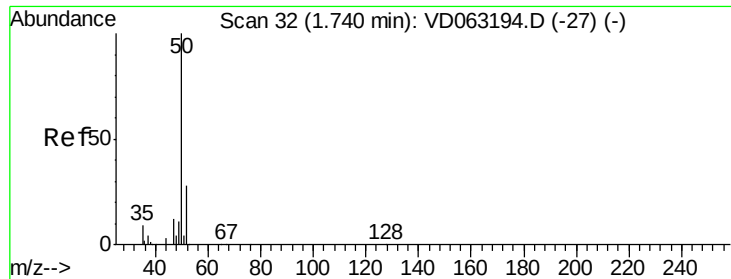
Tgt Ion: 85 Resp: 284495

Ion Ratio Lower Upper

85 100

87 27.5 16.6 49.7





#3

Chloromethane

Concen: 20.420 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

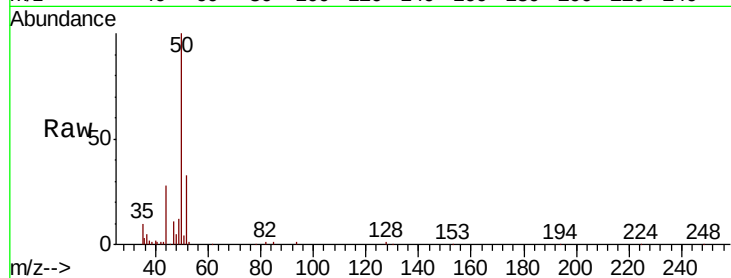
VD0806SBS01

Tgt Ion: 50 Resp: 218790

Ion Ratio Lower Upper

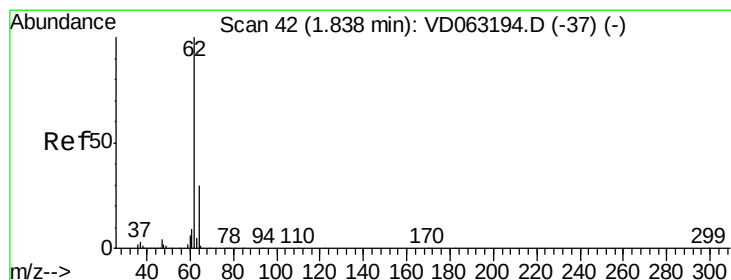
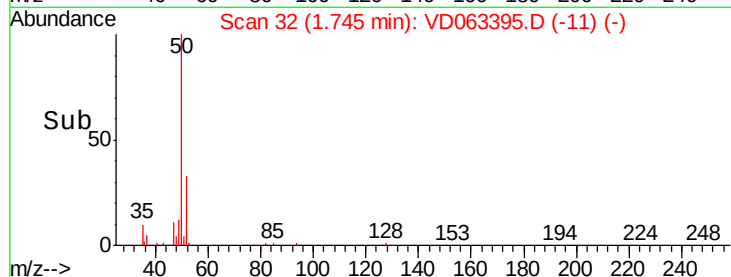
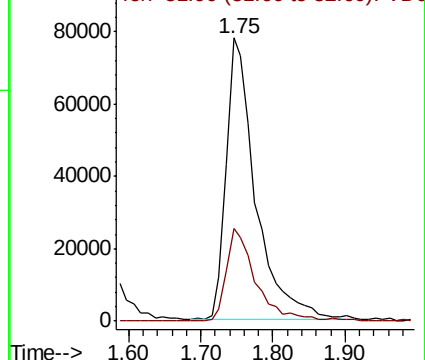
50 100

52 32.8 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: 19.908 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063395.D

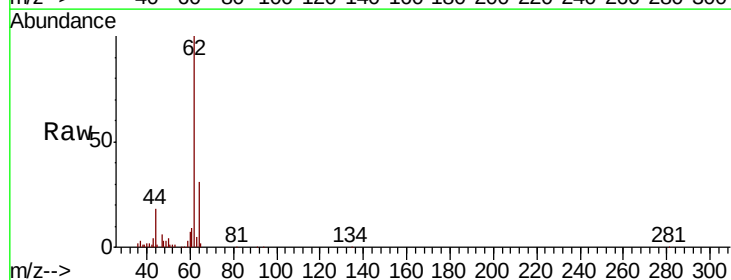
Acq: 6 Aug 2019 13:30

Tgt Ion: 62 Resp: 220820

Ion Ratio Lower Upper

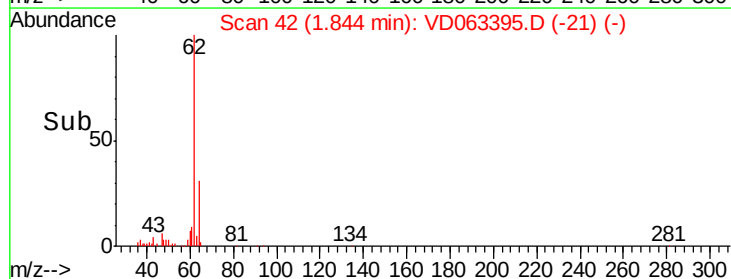
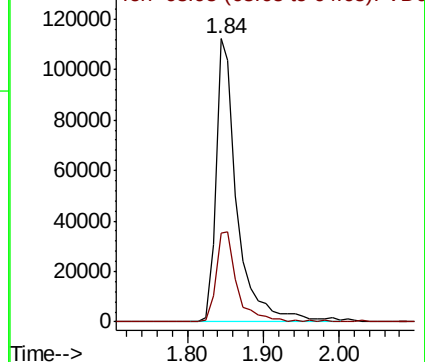
62 100

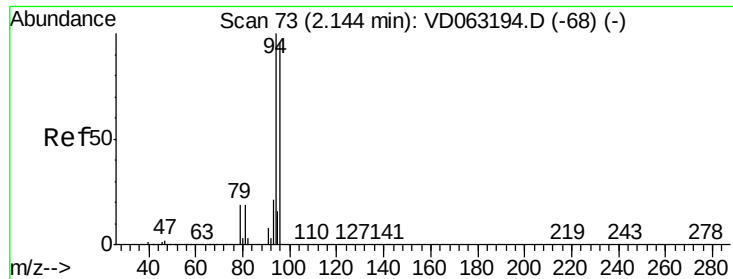
64 31.3 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.162 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

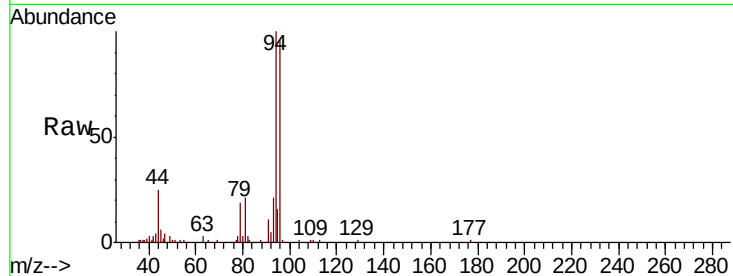
Tgt Ion: 94 Resp: 90410

Ion Ratio Lower Upper

94 100

96 96.3 76.4 114.6

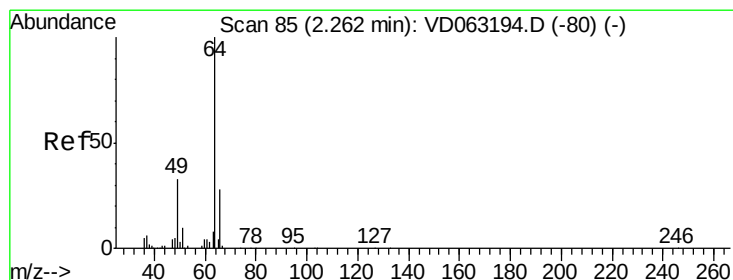
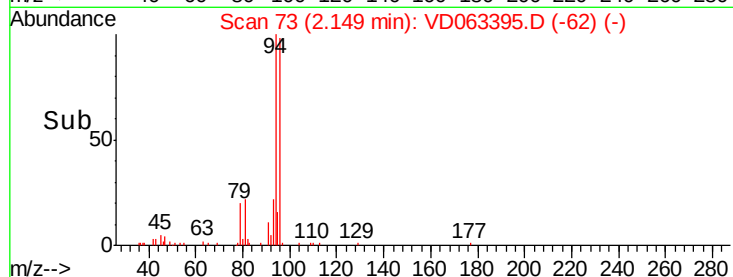
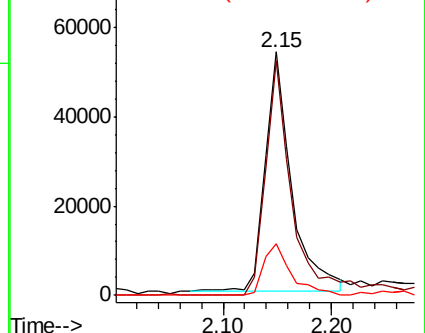
93 21.2 17.3 25.9



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: 18.531 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD063395.D

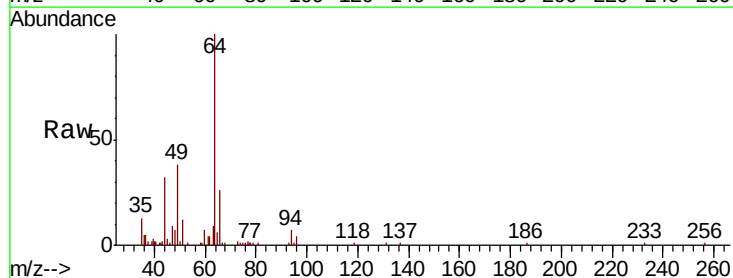
Acq: 6 Aug 2019 13:30

Tgt Ion: 64 Resp: 94899

Ion Ratio Lower Upper

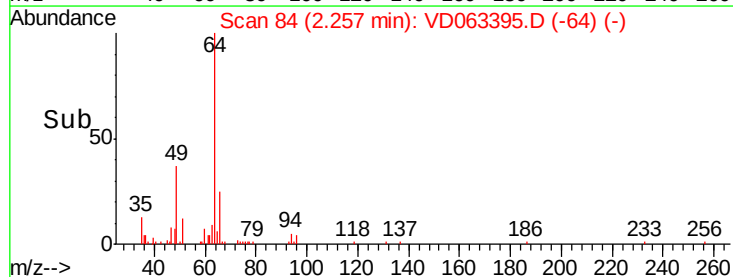
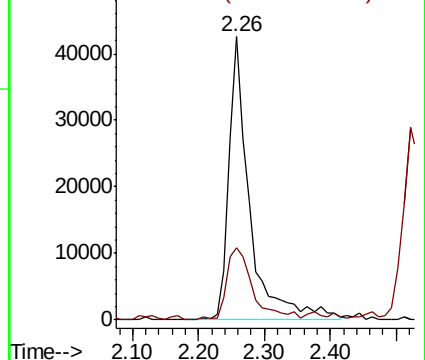
64 100

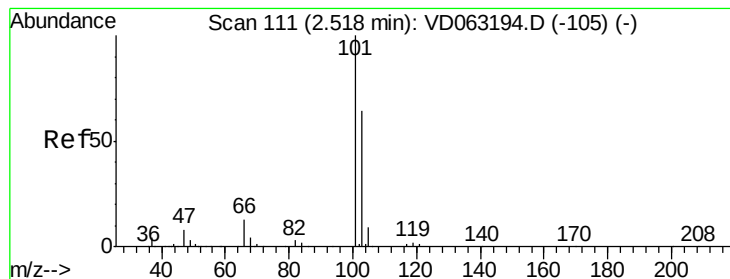
66 25.5 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



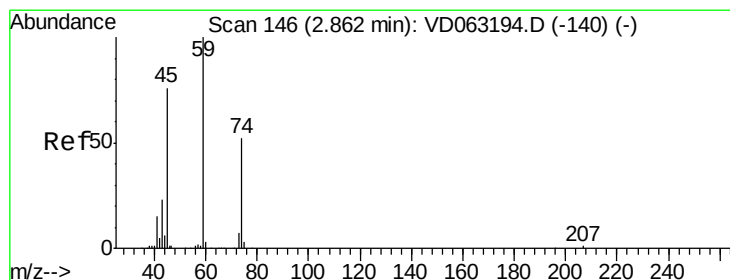
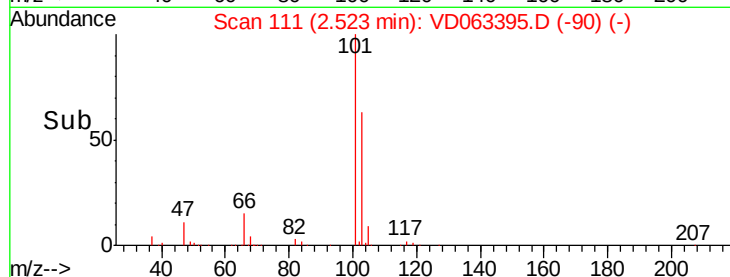
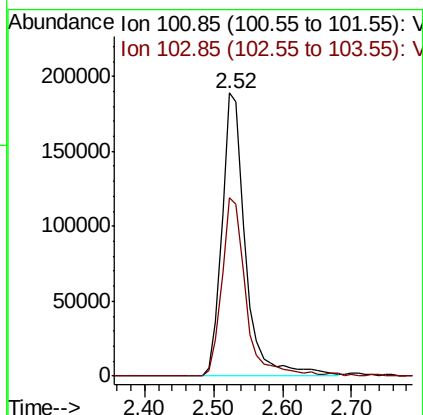
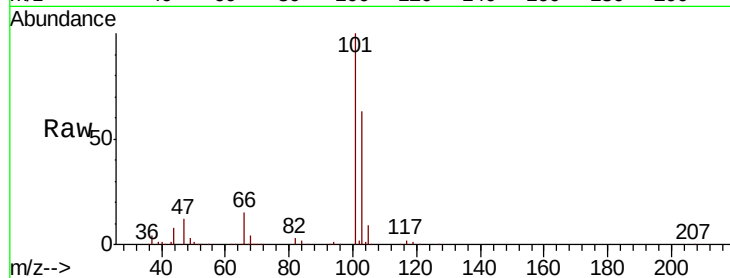


#7

Trichlorofluoromethane
 Concen: 20.698 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. 0.01 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

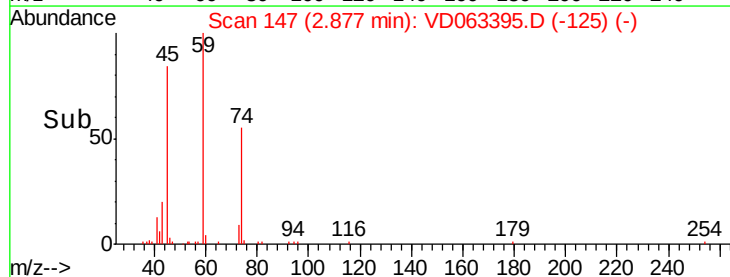
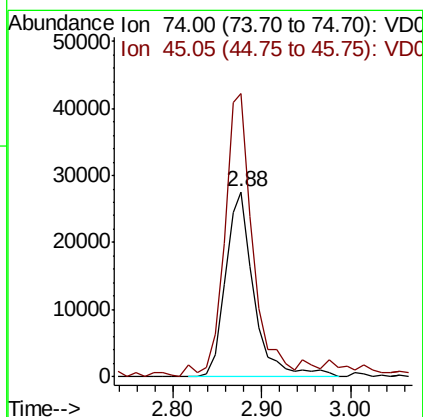
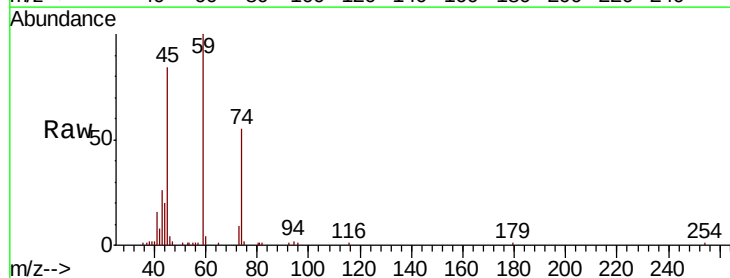
Tgt Ion:101 Resp: 445392
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.5 77.3

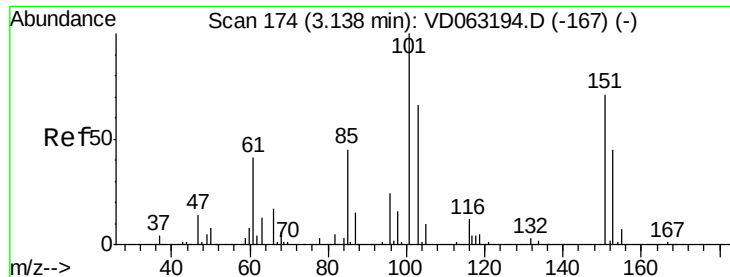


#8

Diethyl Ether
 Concen: 20.457 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Tgt Ion: 74 Resp: 61608
 Ion Ratio Lower Upper
 74 100
 45 152.7 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.369 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

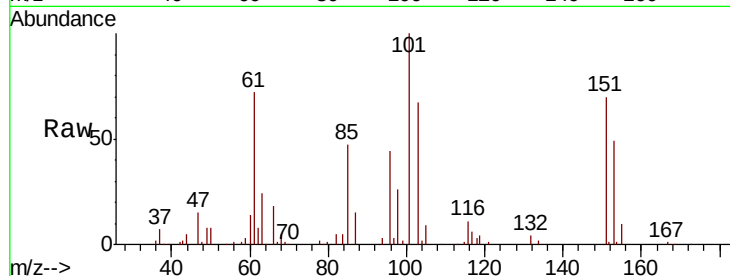
Tgt Ion:101 Resp: 254712

Ion Ratio Lower Upper

101 100

85 47.1 36.1 54.1

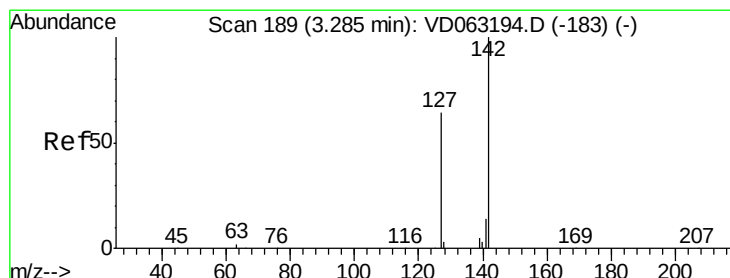
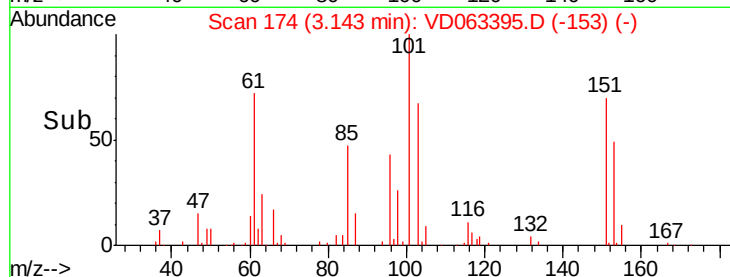
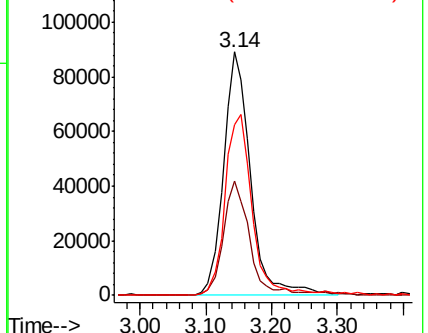
151 70.3 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.022 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

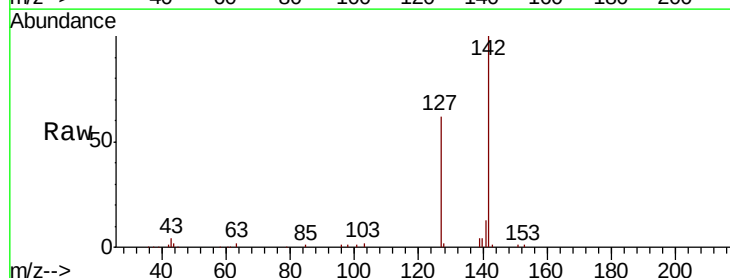
Tgt Ion:142 Resp: 310323

Ion Ratio Lower Upper

142 100

127 61.8 50.8 76.2

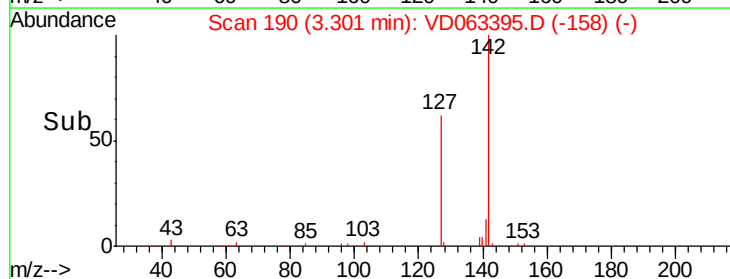
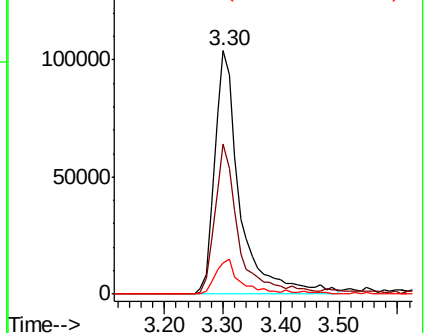
141 12.9 11.4 17.2

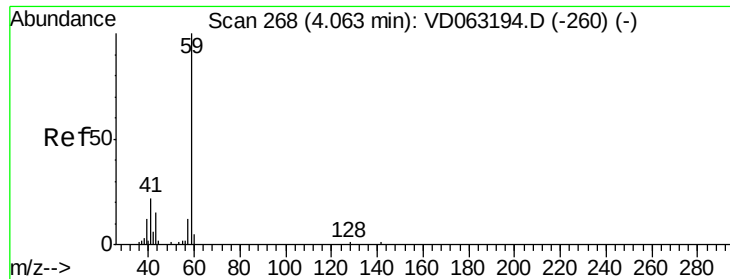


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

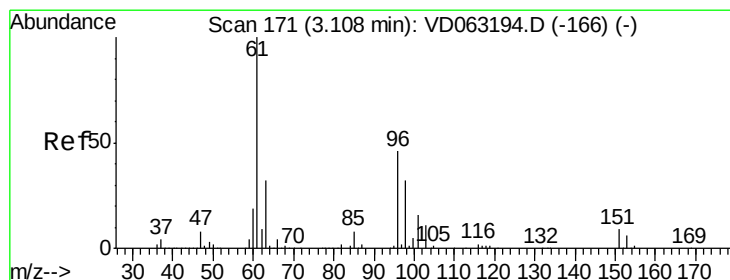
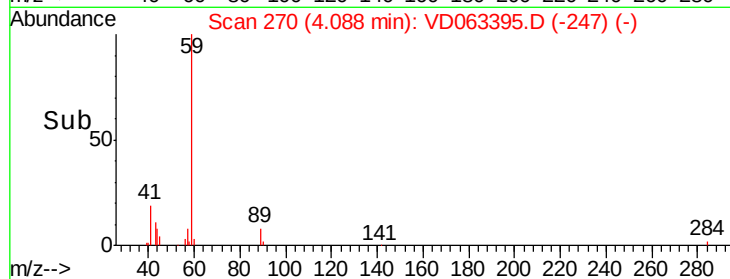
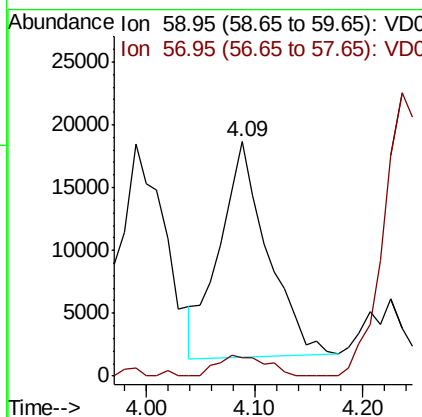
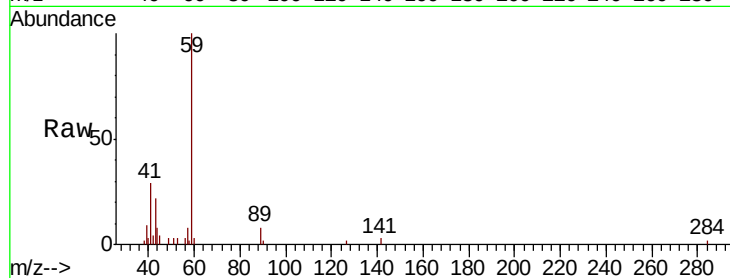




#11
Tert butyl alcohol
Concen: 95.155 ug/l
RT: 4.09 min Scan# 270
Delta R.T. 0.03 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

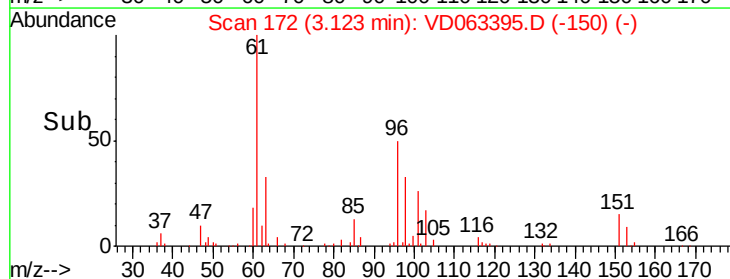
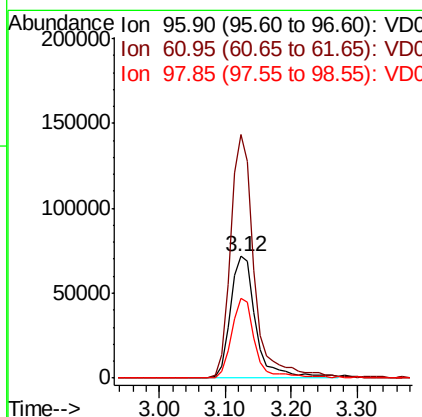
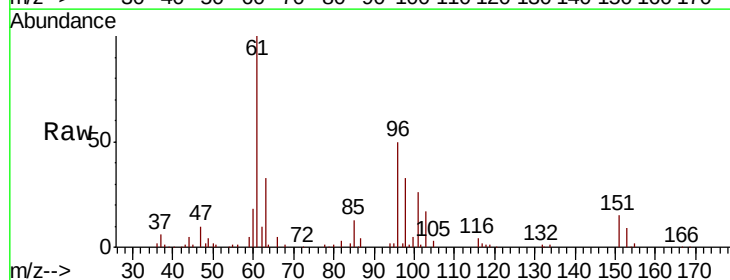
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

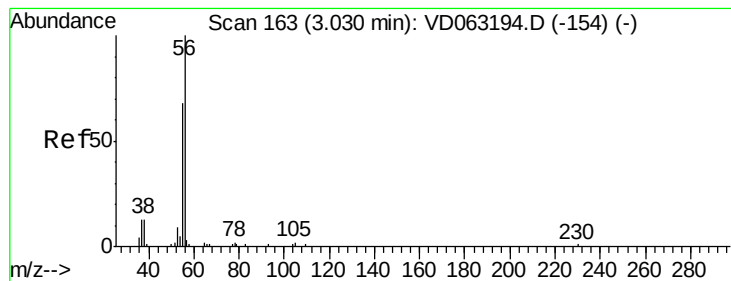
Tgt Ion: 59 Resp: 52275
Ion Ratio Lower Upper
59 100
57 8.0 9.6 14.4#



#12
1,1-Dichloroethene
Concen: 22.357 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.02 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

Tgt Ion: 96 Resp: 195639
Ion Ratio Lower Upper
96 100
61 200.4 173.7 260.5
98 65.3 55.8 83.8





#13

Acrolein

Concen: 80.967 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

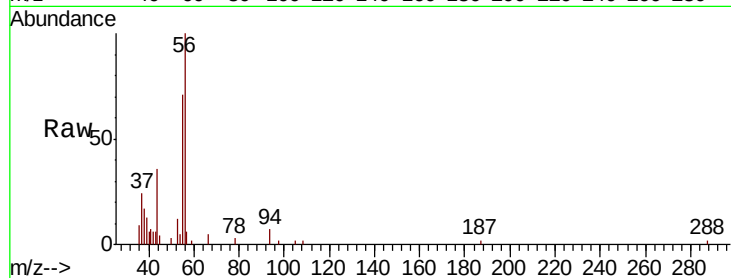
VD0806SBS01

Tgt Ion: 56 Resp: 42808

Ion Ratio Lower Upper

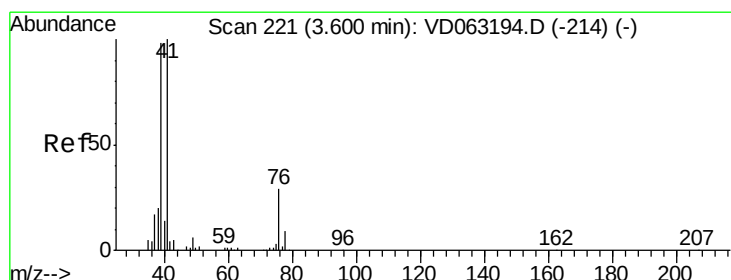
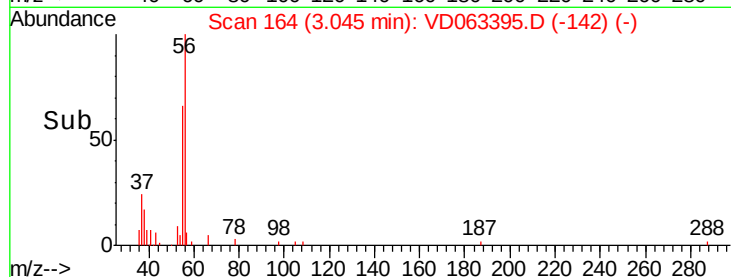
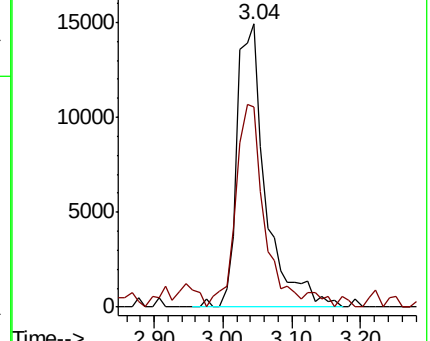
56 100

55 70.5 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.513 ug/l

RT: 3.62 min Scan# 222

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

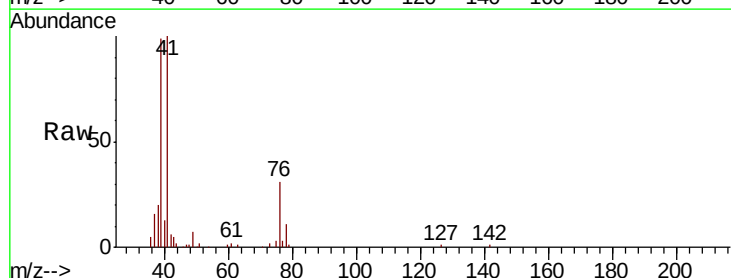
Tgt Ion: 41 Resp: 285955

Ion Ratio Lower Upper

41 100

39 99.5 78.6 117.8

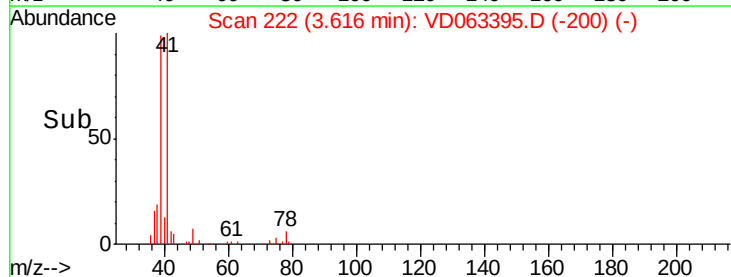
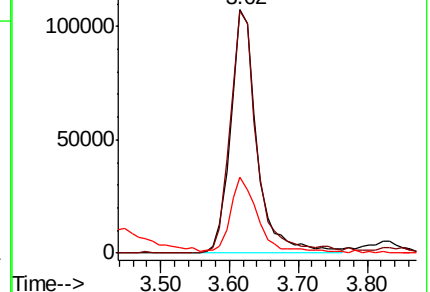
76 31.2 24.5 36.7

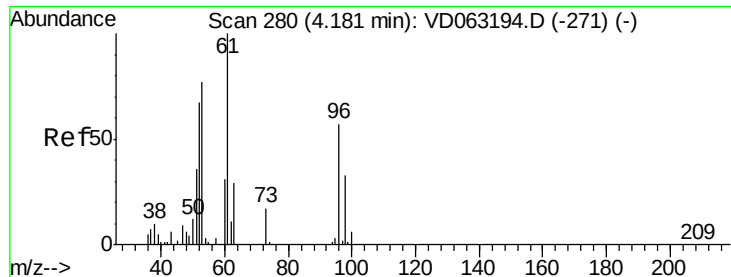


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 107.429 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

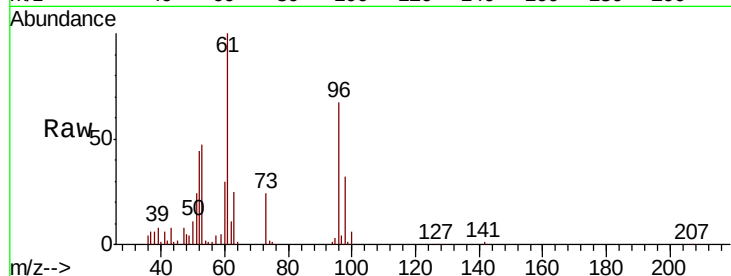
Tgt Ion: 53 Resp: 153009

Ion Ratio Lower Upper

53 100

52 92.5 69.7 104.5

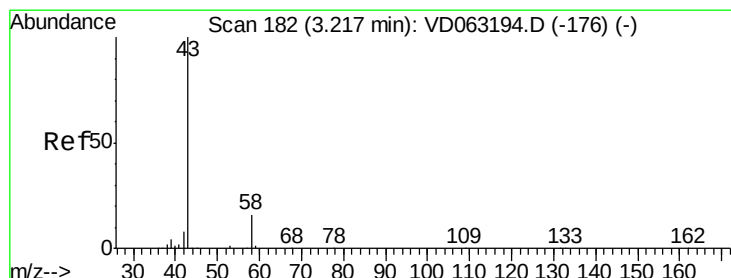
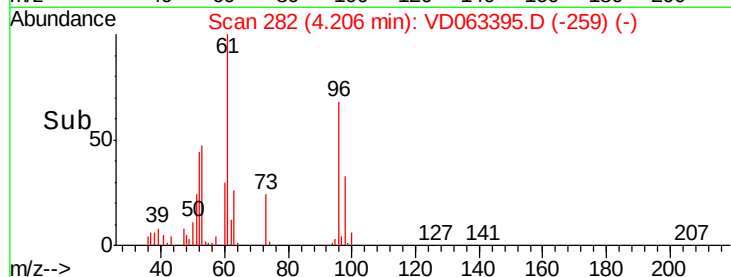
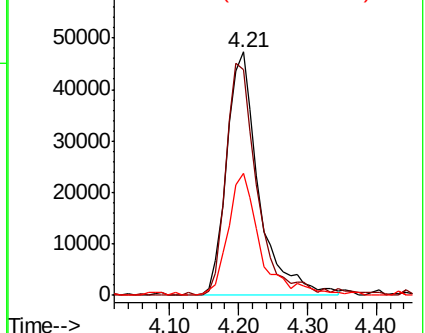
51 50.3 37.4 56.0



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: 104.673 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD063395.D

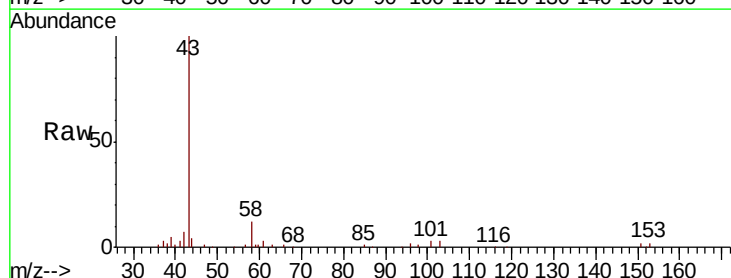
Acq: 6 Aug 2019 13:30

Tgt Ion: 43 Resp: 255303

Ion Ratio Lower Upper

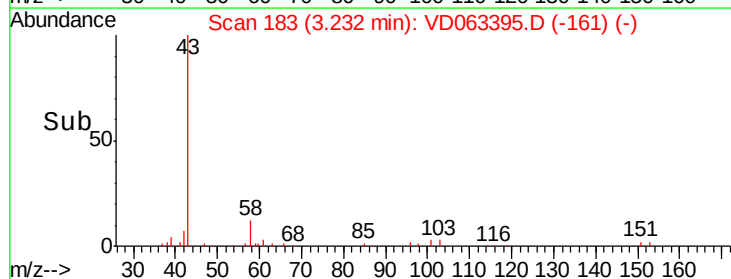
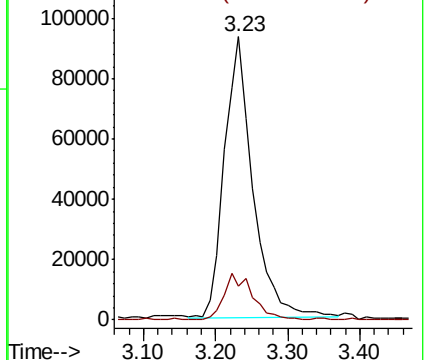
43 100

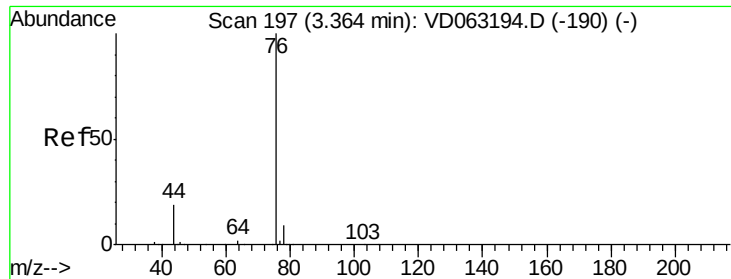
58 12.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

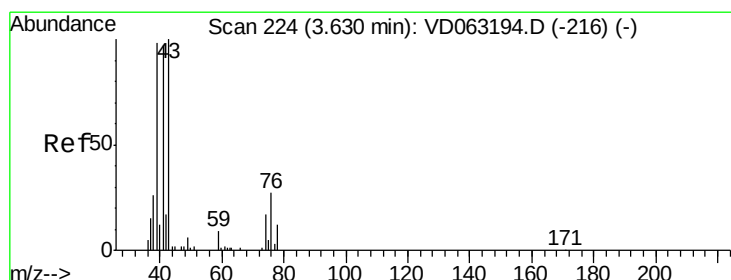
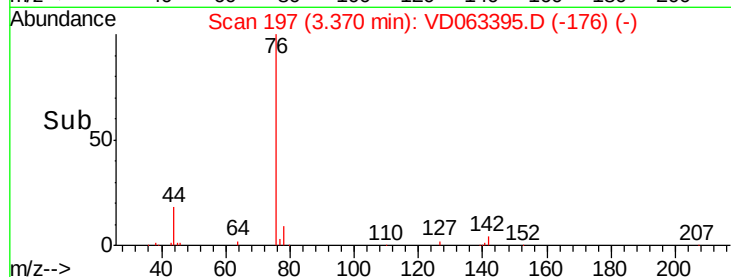
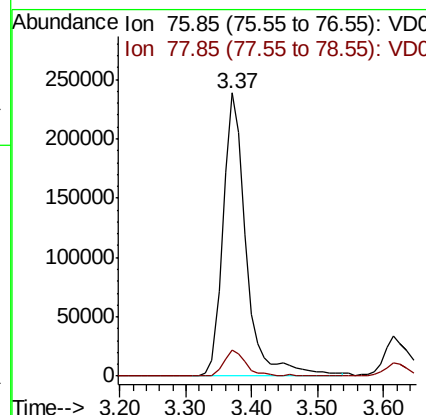
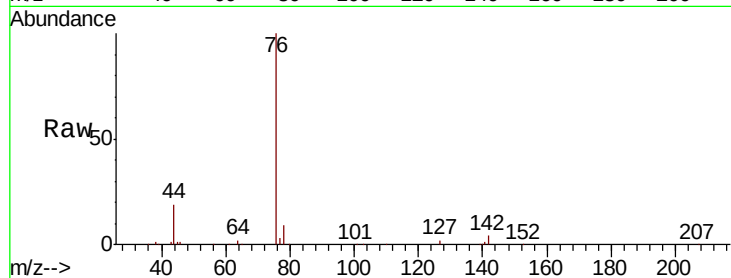




#17
Carbon Disulfide
Concen: 19.955 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.01 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

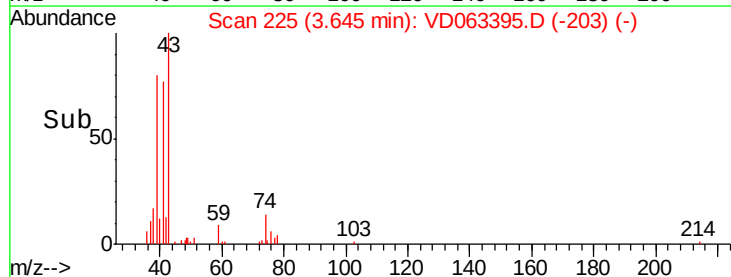
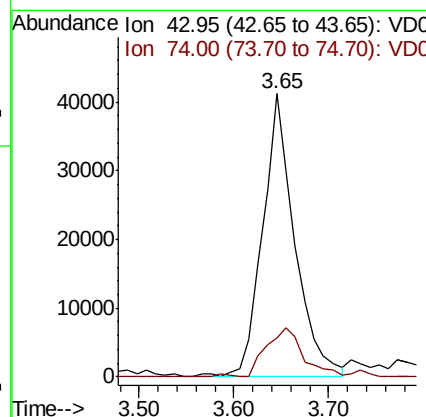
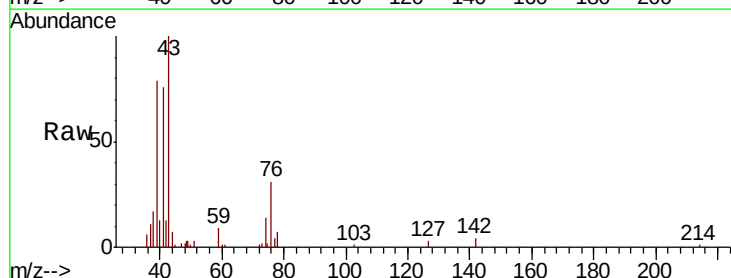
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

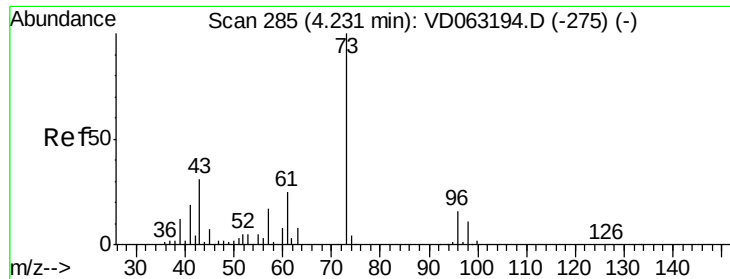
Tgt Ion: 76 Resp: 584466
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 20.812 ug/l
RT: 3.65 min Scan# 225
Delta R.T. 0.02 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

Tgt Ion: 43 Resp: 97504
Ion Ratio Lower Upper
43 100
74 15.9 13.8 20.8

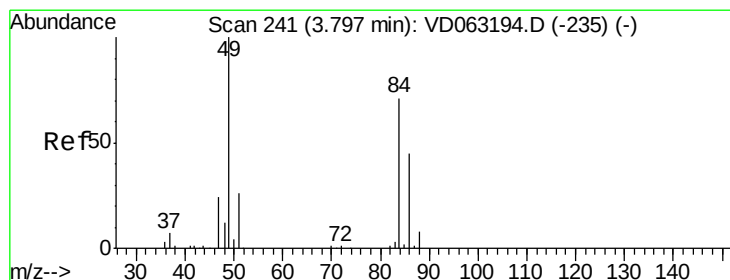
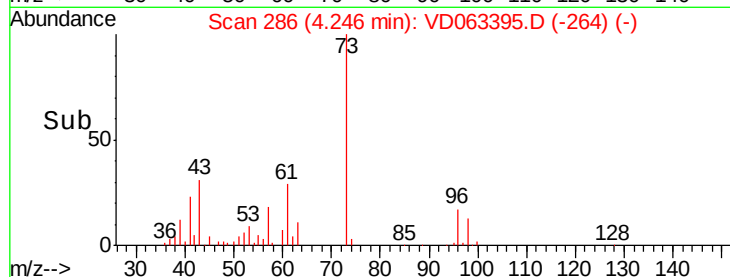
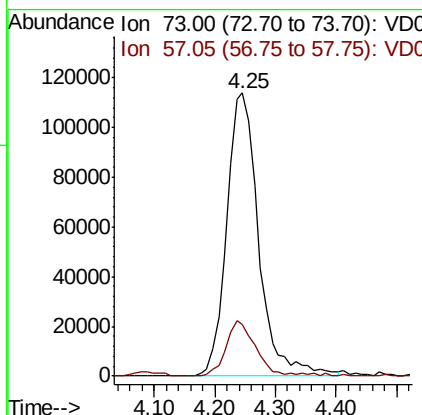
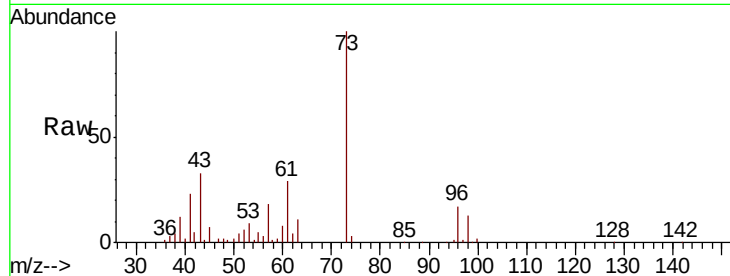




#19
Methyl tert-butyl Ether
Concen: 21.088 ug/l
RT: 4.25 min Scan# 286
Delta R.T. 0.02 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

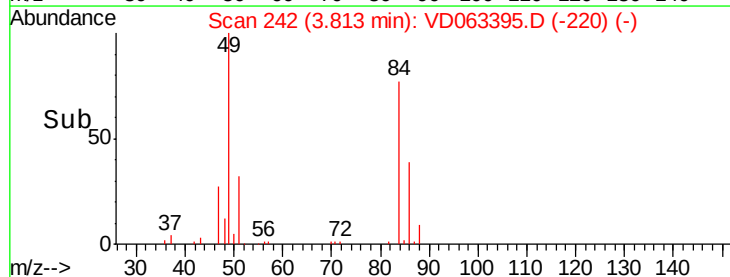
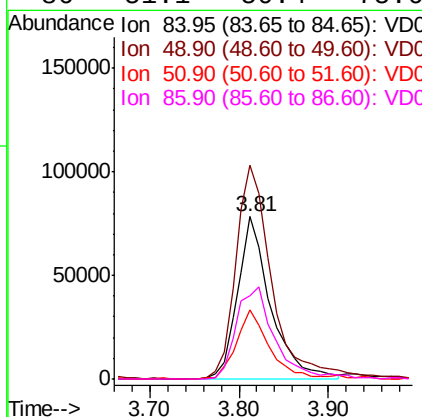
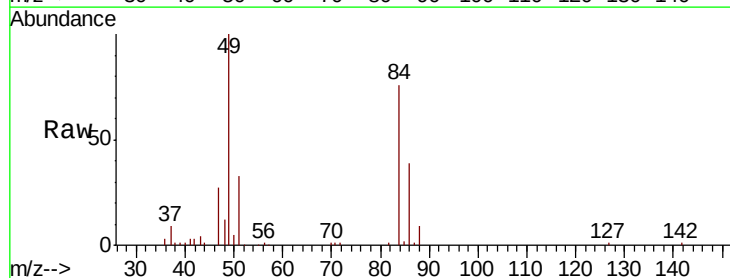
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

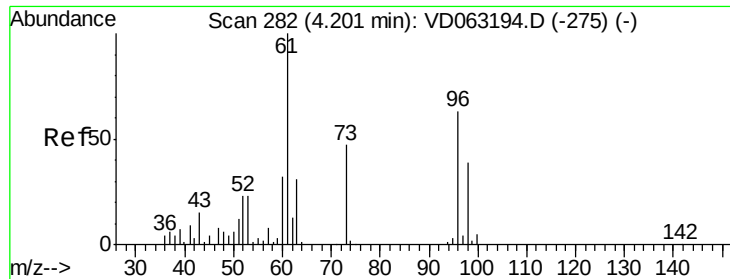
Tgt Ion: 73 Resp: 416835
Ion Ratio Lower Upper
73 100
57 18.1 13.8 20.6



#20
Methylene Chloride
Concen: 20.492 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.02 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

Tgt Ion: 84 Resp: 202035
Ion Ratio Lower Upper
84 100
49 131.8 112.5 168.7
51 43.0 29.6 44.4
86 51.1 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.954 ug/l

RT: 4.22 min Scan# 283

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

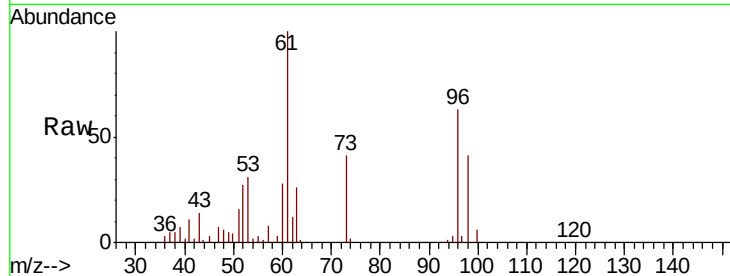
Tgt Ion: 96 Resp: 205739

Ion Ratio Lower Upper

96 100

61 159.3 127.4 191.2

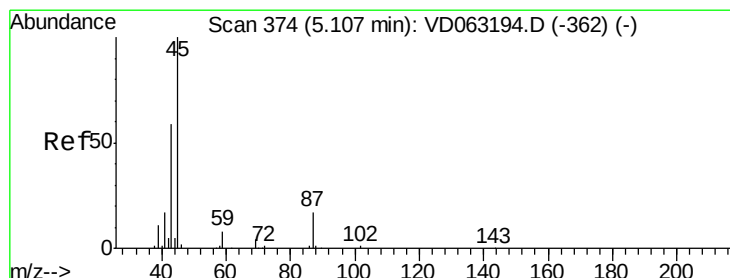
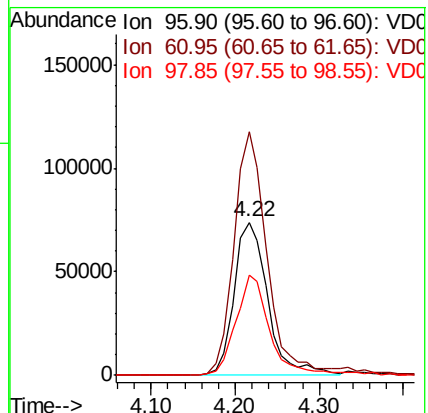
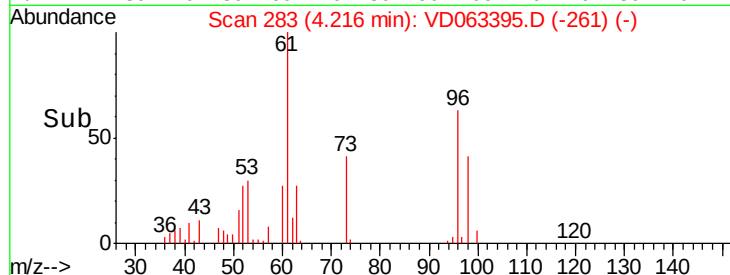
98 65.4 49.3 73.9



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: 20.985 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Tgt Ion: 45 Resp: 584438

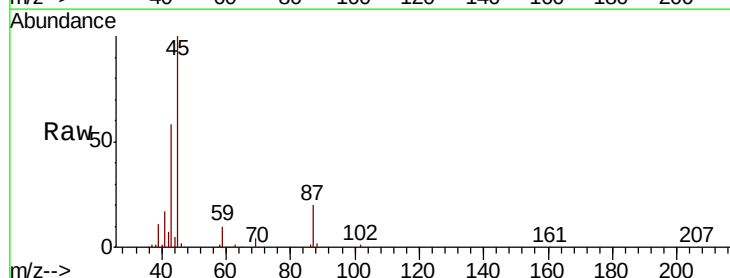
Ion Ratio Lower Upper

45 100

43 57.6 51.7 77.5

87 19.9 14.6 21.8

59 9.7 6.6 10.0

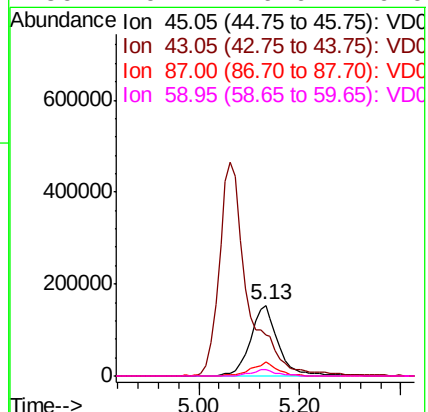
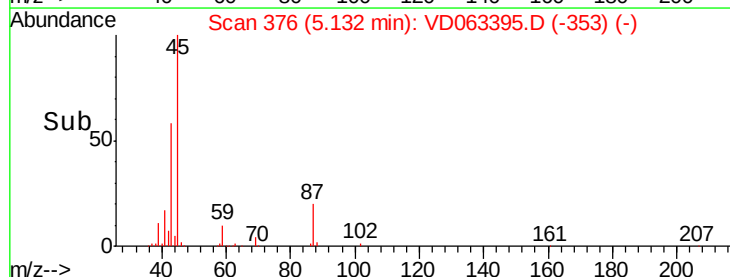


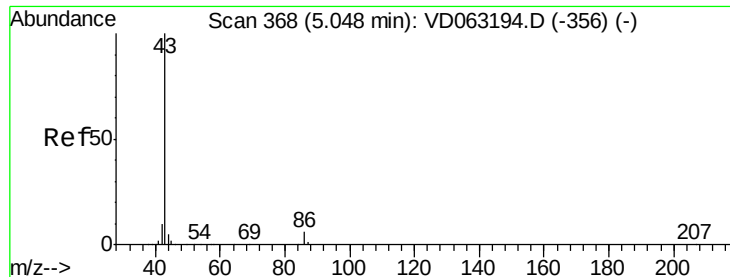
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 104.836 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

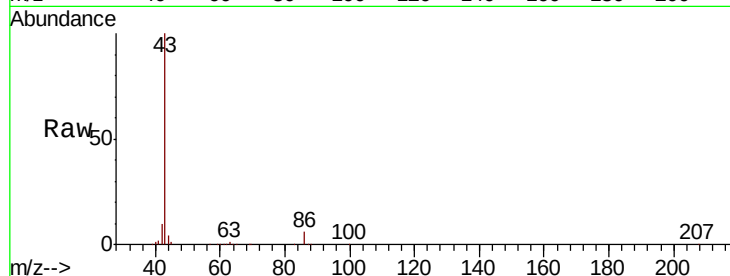
VD0806SBS01

Tgt Ion: 43 Resp: 1794795

Ion Ratio Lower Upper

43 100

86 5.5 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

400000

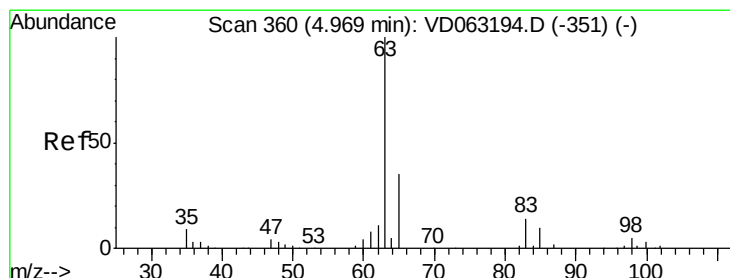
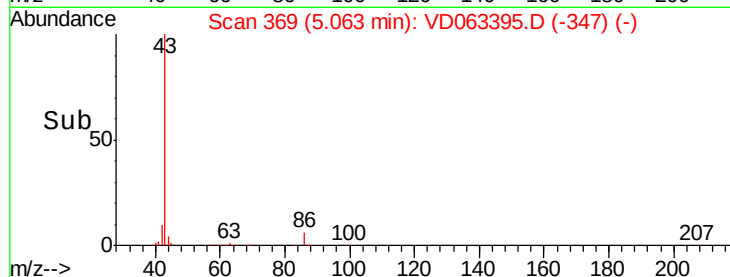
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.298 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.03 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

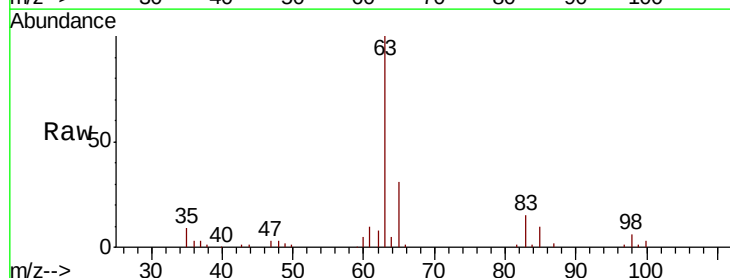
Tgt Ion: 63 Resp: 361090

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 2.7 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.99

120000

100000

80000

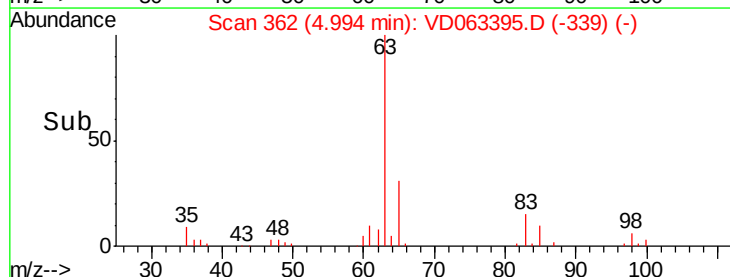
60000

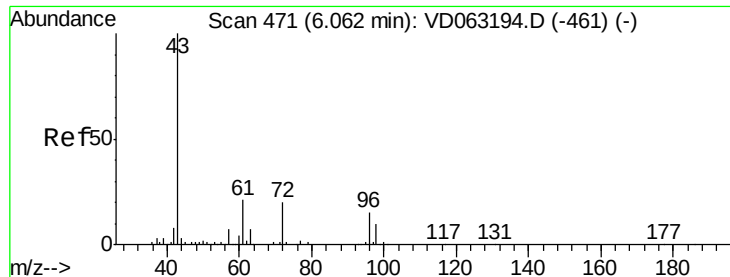
40000

20000

0

Time-->





#25

2-Butanone

Concen: 102.443 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

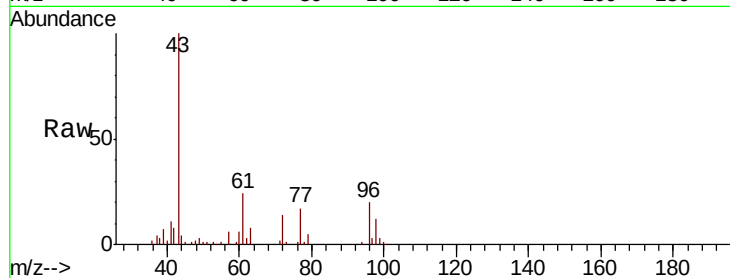
VD0806SBS01

Tgt Ion: 43 Resp: 250760

Ion Ratio Lower Upper

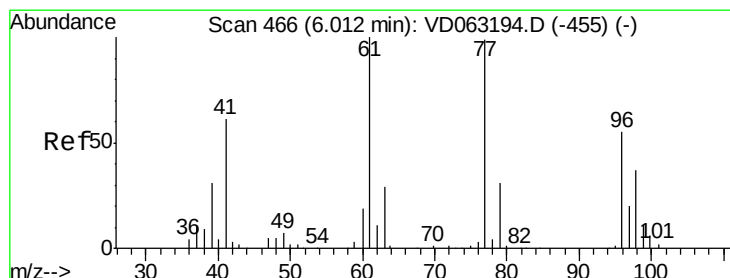
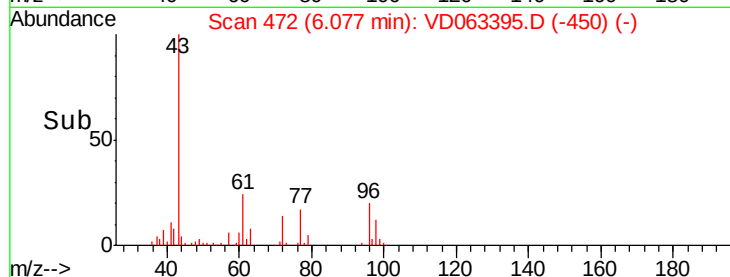
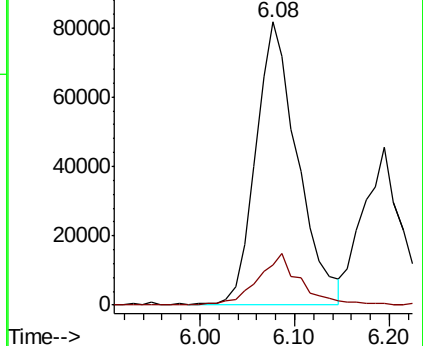
43 100

72 14.1 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.257 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD063395.D

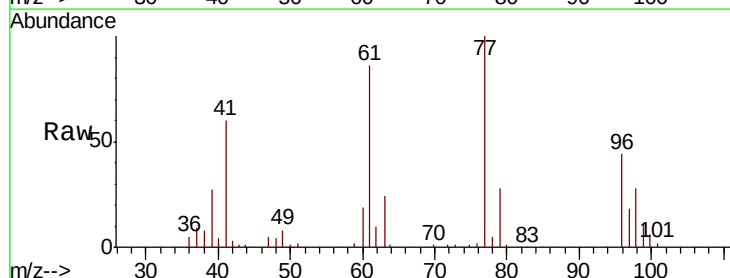
Acq: 6 Aug 2019 13:30

Tgt Ion: 77 Resp: 389708

Ion Ratio Lower Upper

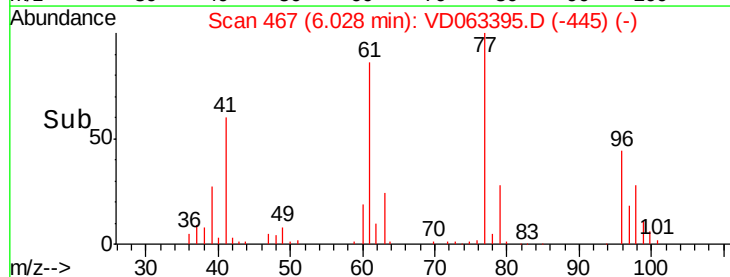
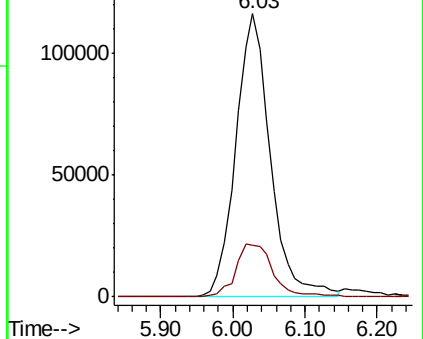
77 100

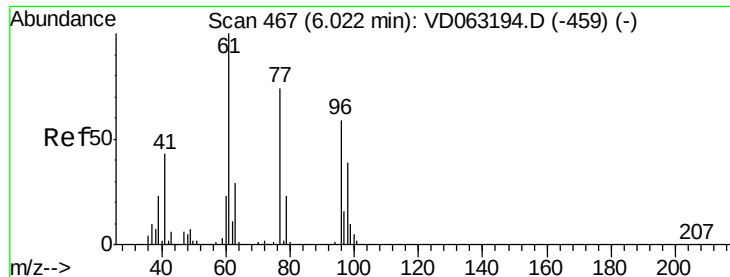
97 18.1 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 20.865 ug/l

RT: 6.04 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

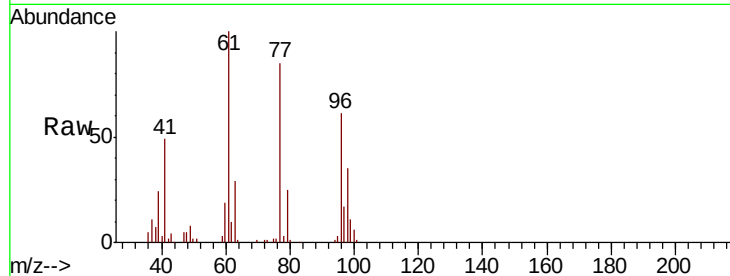
Tgt Ion: 96 Resp: 219648

Ion Ratio Lower Upper

96 100

61 163.4 0.0 337.2

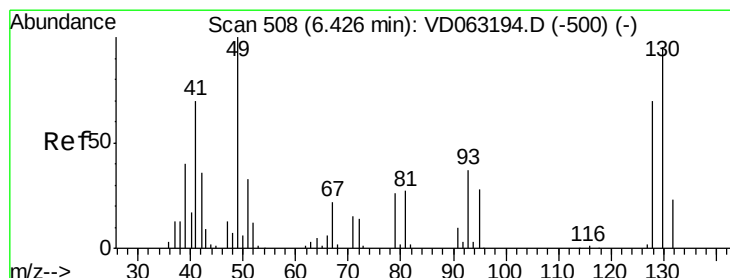
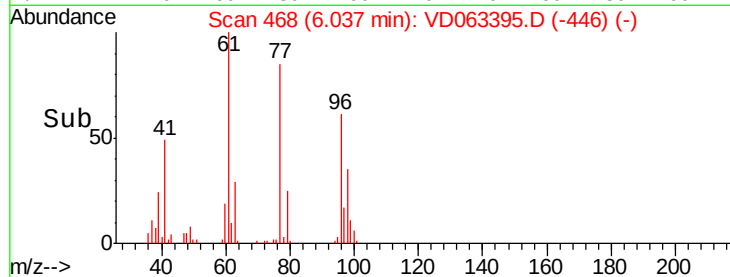
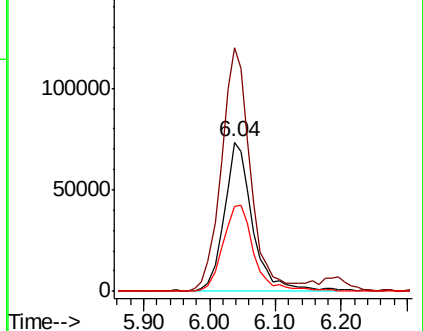
98 57.2 0.0 130.6



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: 20.528 ug/l

RT: 6.44 min Scan# 509

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

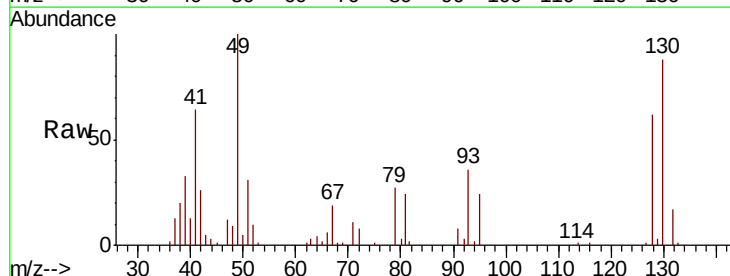
Tgt Ion: 49 Resp: 145505

Ion Ratio Lower Upper

49 100

129 2.6 0.0 0.0#

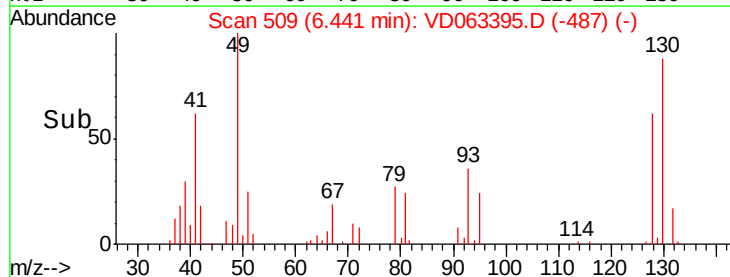
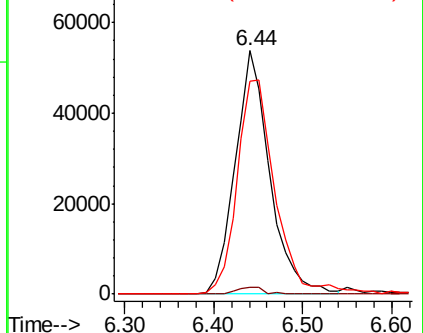
130 87.7 75.7 113.5

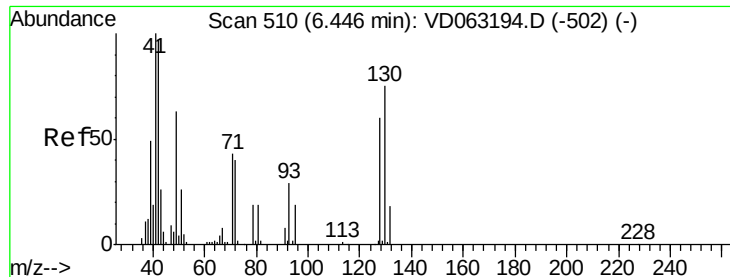


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 103.890 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.03 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

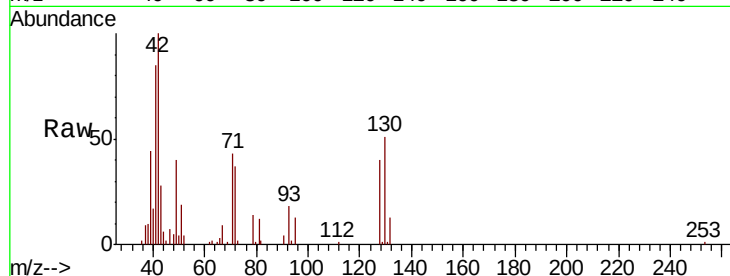
Tgt Ion: 42 Resp: 120399

Ion Ratio Lower Upper

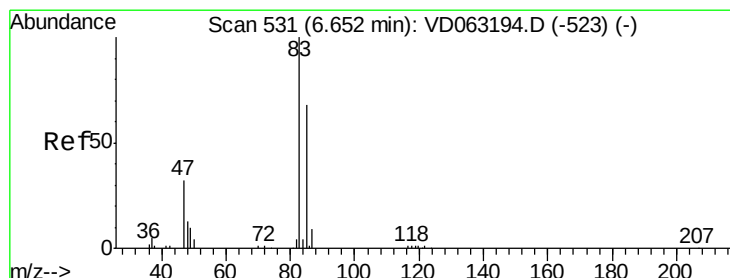
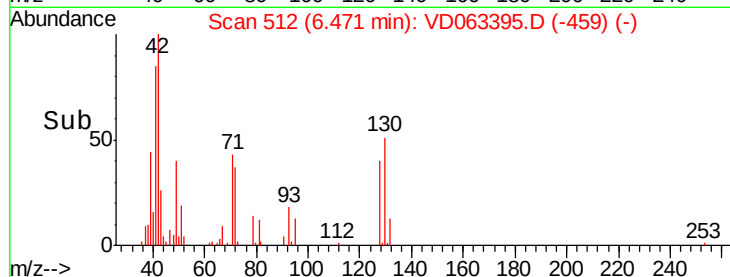
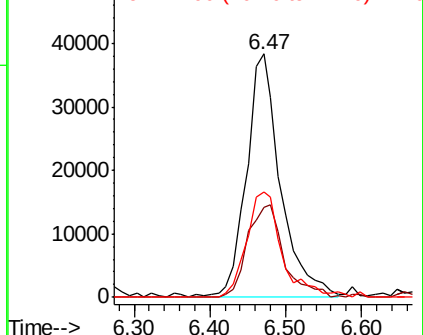
42 100

72 40.3 33.4 50.2

71 45.2 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: 20.707 ug/l

RT: 6.67 min Scan# 532

Delta R.T. 0.02 min

Lab File: VD063395.D

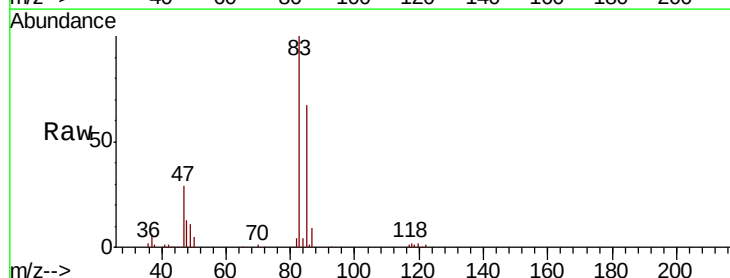
Acq: 6 Aug 2019 13:30

Tgt Ion: 83 Resp: 457152

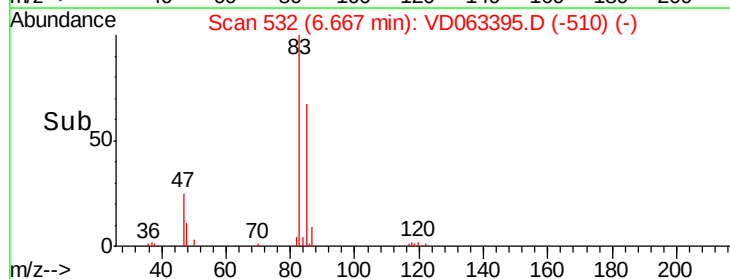
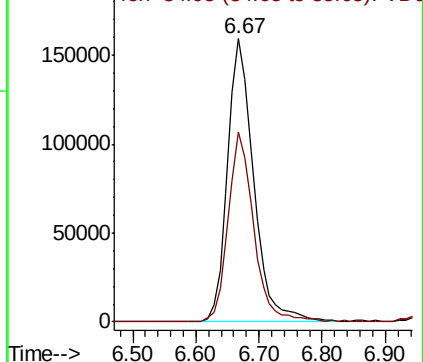
Ion Ratio Lower Upper

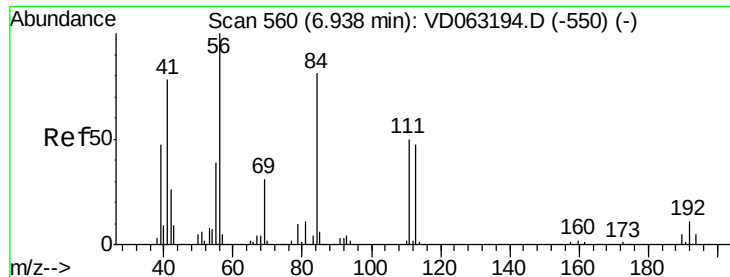
83 100

85 67.3 54.2 81.4



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

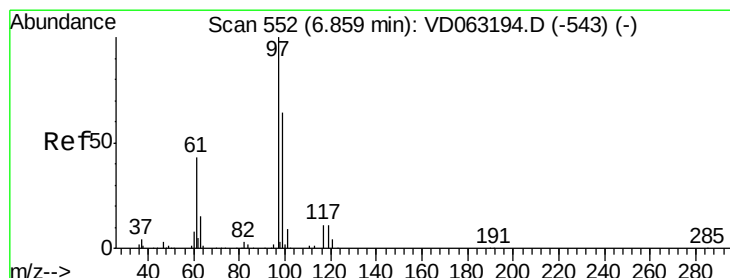
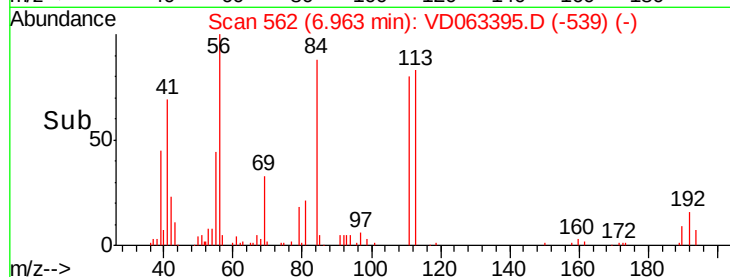
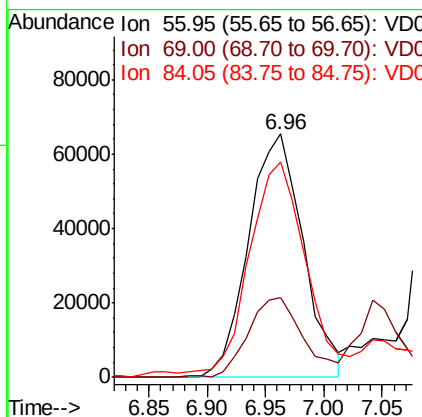
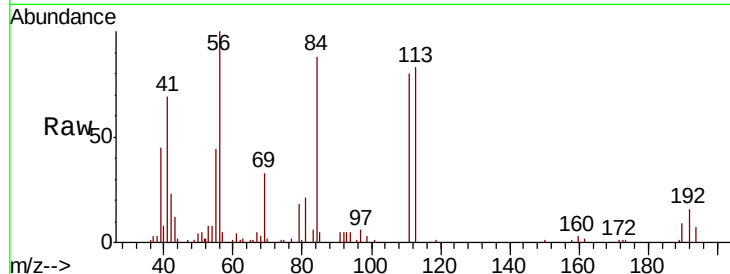




#31
Cyclohexane
Concen: 18.992 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.03 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

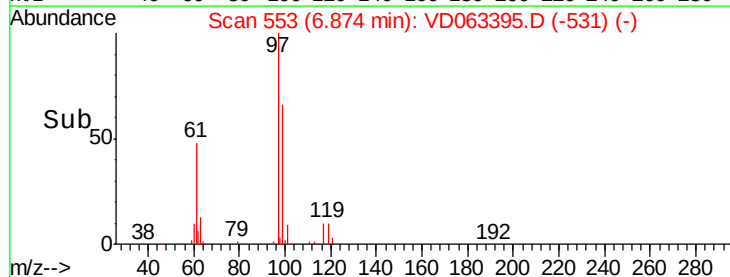
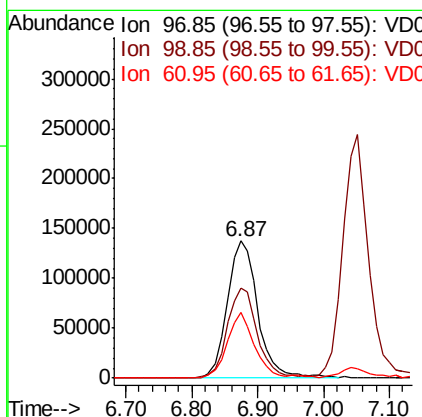
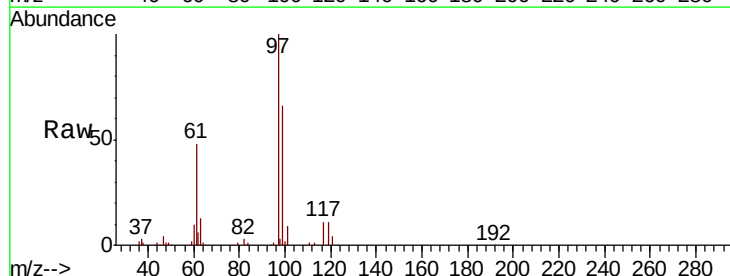
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

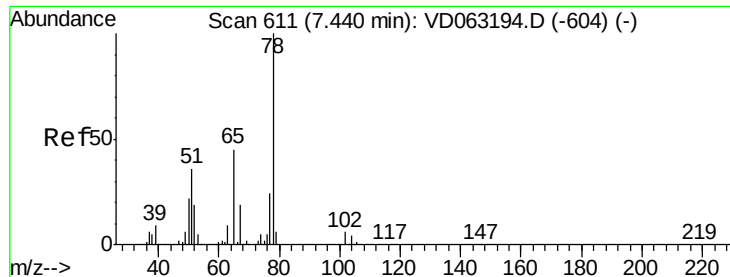
Tgt Ion: 56 Resp: 211780
Ion Ratio Lower Upper
56 100
69 32.9 24.5 36.7
84 88.3 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 20.926 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.02 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

Tgt Ion: 97 Resp: 446875
Ion Ratio Lower Upper
97 100
99 66.1 51.2 76.8
61 48.3 34.2 51.2

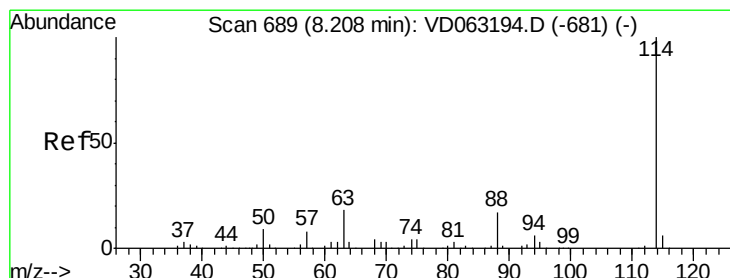
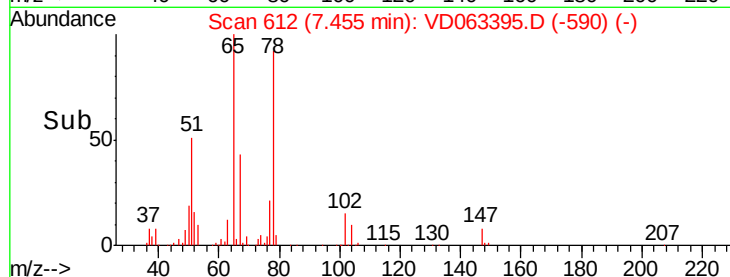
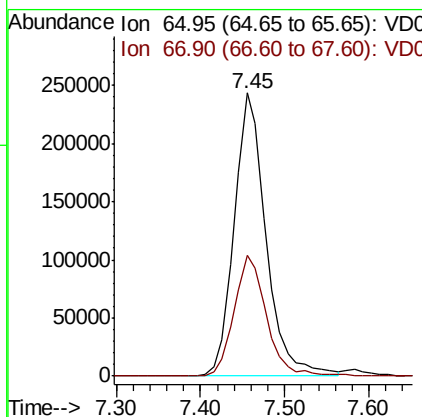
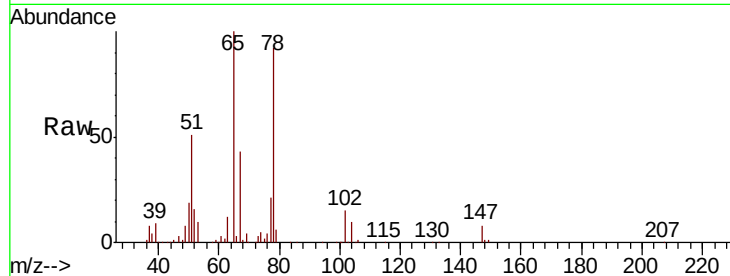




#33
 1,2-Dichloroethane-d4
 Concen: 51.052 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

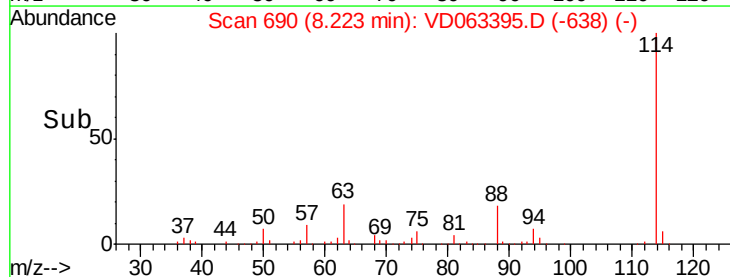
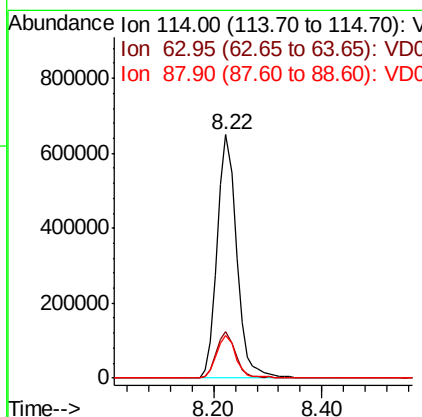
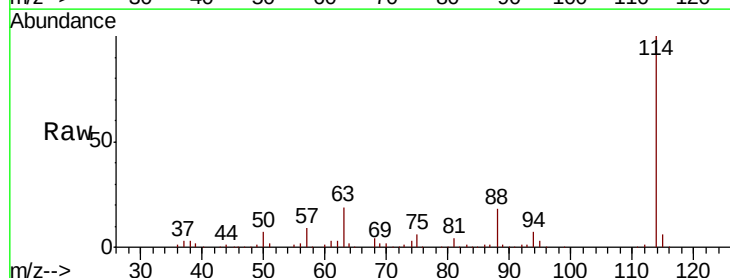
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

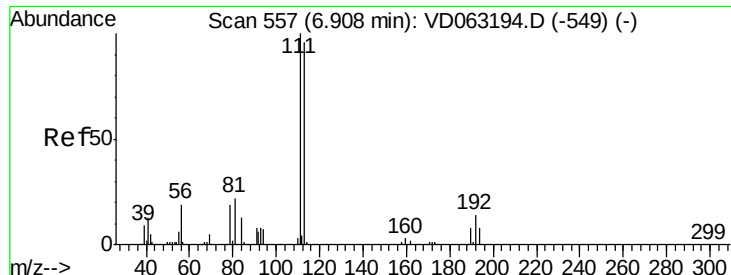
Tgt Ion: 65 Resp: 639081
 Ion Ratio Lower Upper
 65 100
 67 42.7 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Tgt Ion: 114 Resp: 1626373
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 35.2
 88 17.6 0.0 34.6

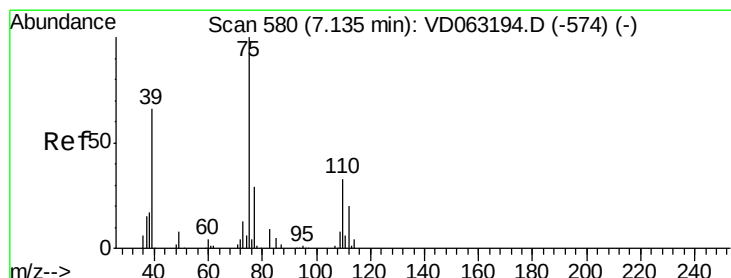
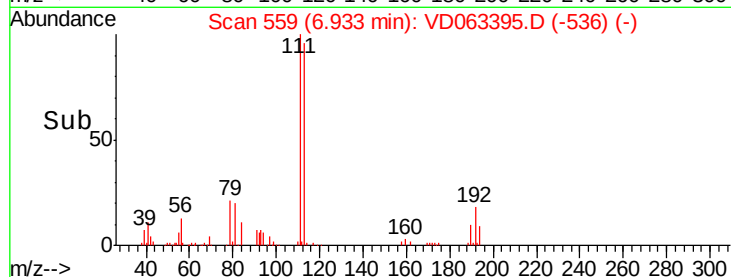
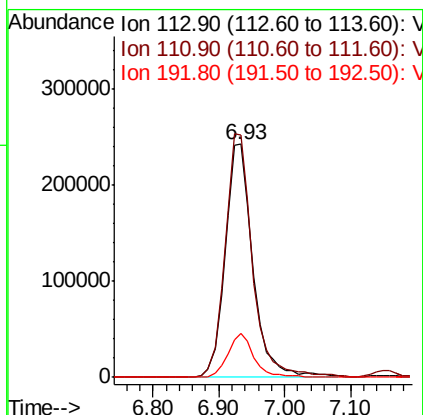
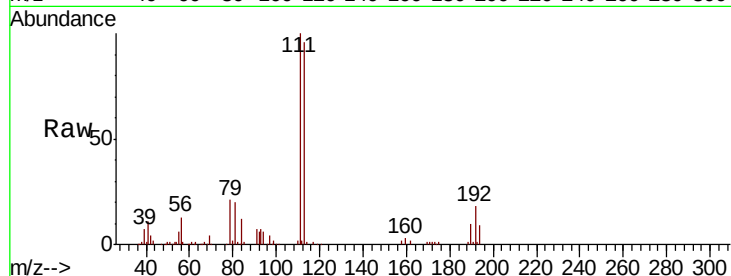




#35
 Dibromofluoromethane
 Concen: 51.491 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

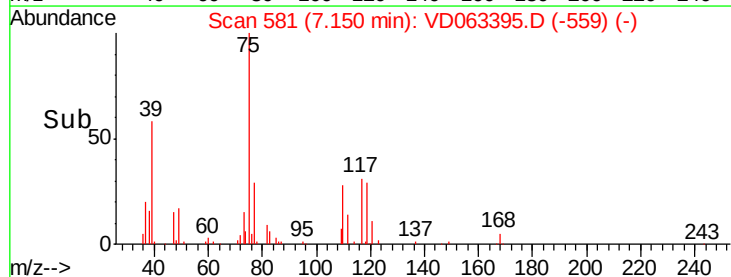
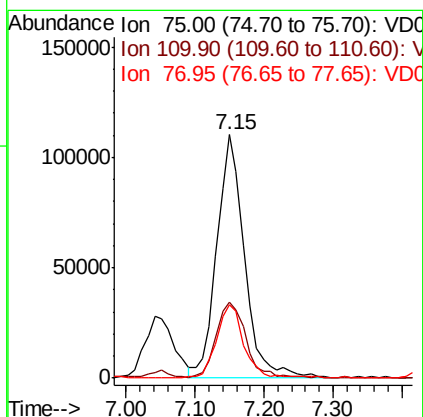
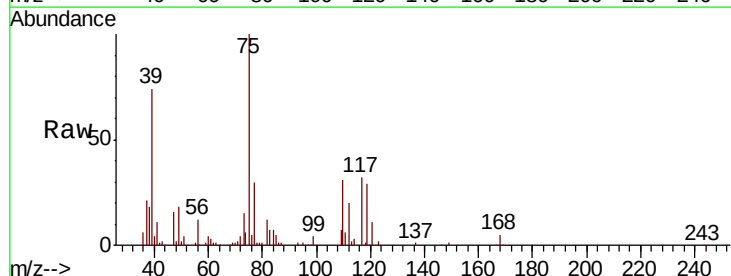
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

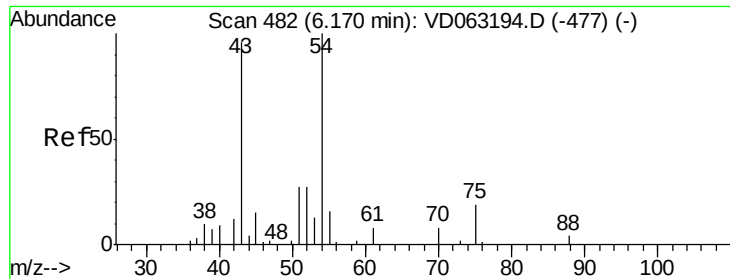
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.2	124.8
192	18.9	11.8	17.8#



#36
 1,1-Dichloropropene
 Concen: 20.539 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.2	16.1	48.2
77	29.9	22.7	34.1

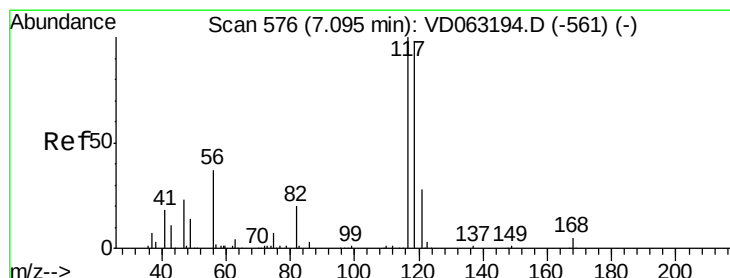
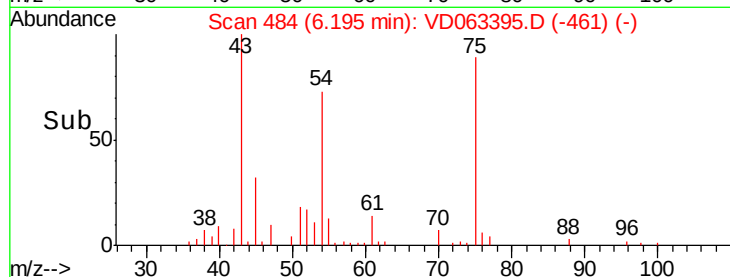
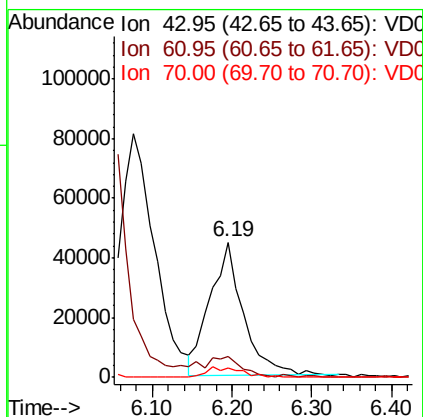
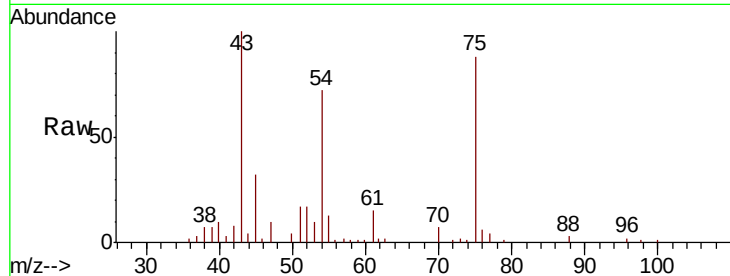




#37
Ethyl Acetate
 Concen: 19.579 ug/l
 RT: 6.19 min Scan# 484
 Delta R.T. 0.03 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

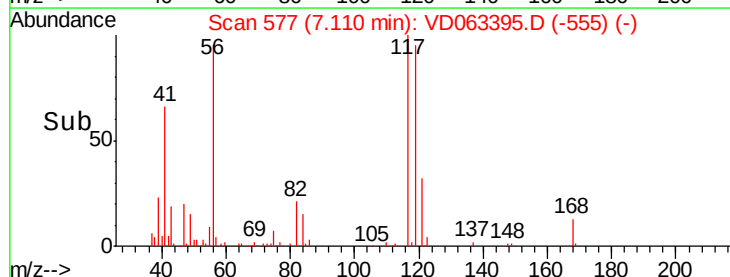
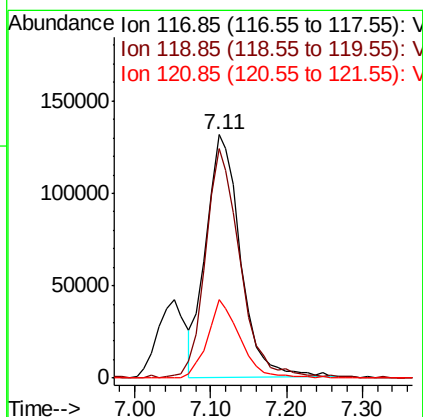
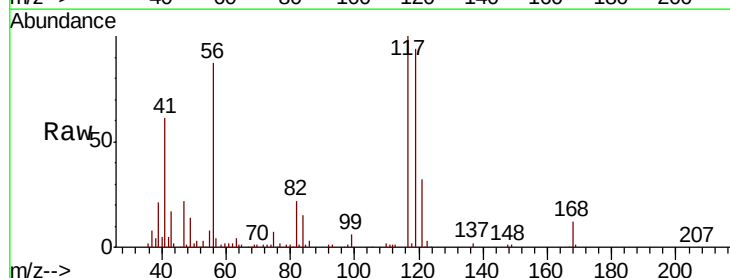
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

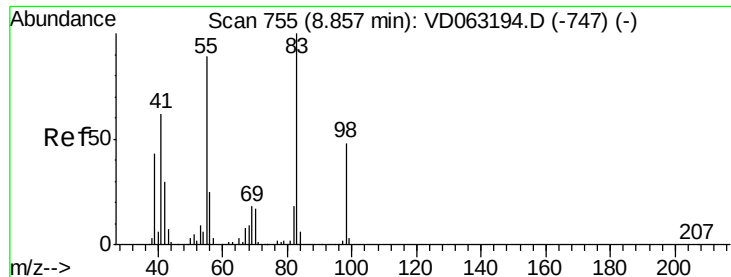
Tgt Ion: 43 Resp: 130556
 Ion Ratio Lower Upper
 43 100
 61 15.2 11.3 16.9
 70 6.9 5.1 7.7



#38
Carbon Tetrachloride
 Concen: 18.660 ug/l
 RT: 7.11 min Scan# 577
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Tgt Ion: 117 Resp: 416956
 Ion Ratio Lower Upper
 117 100
 119 94.2 78.2 117.2
 121 32.4 22.1 33.1

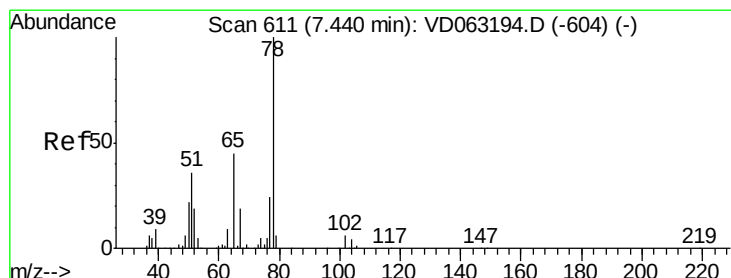
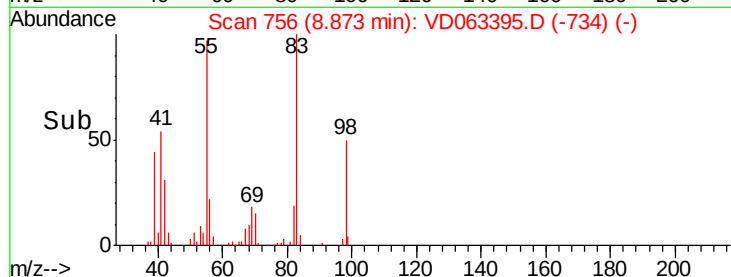
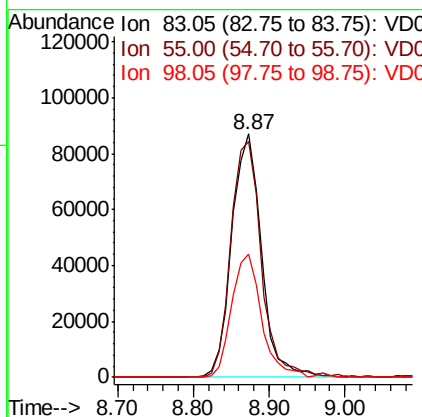
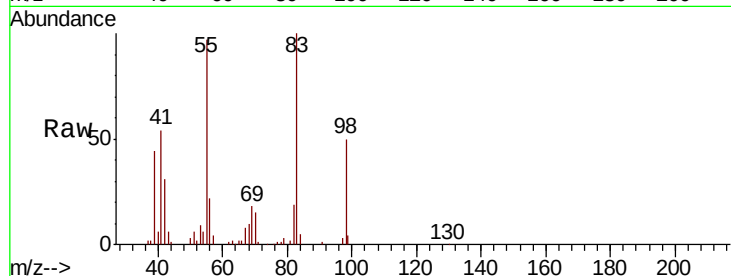




#39
Methylcyclohexane
Concen: 19.061 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.02 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

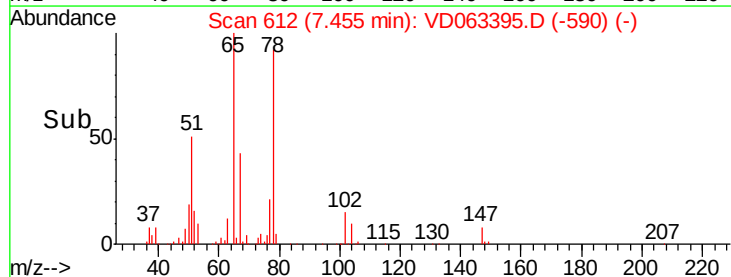
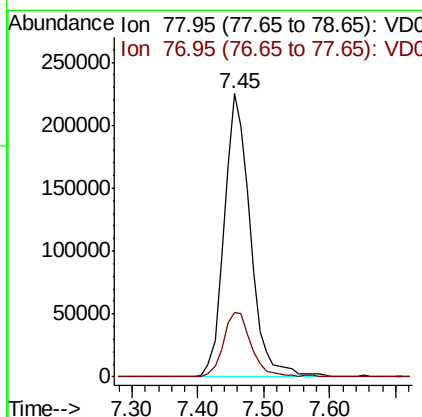
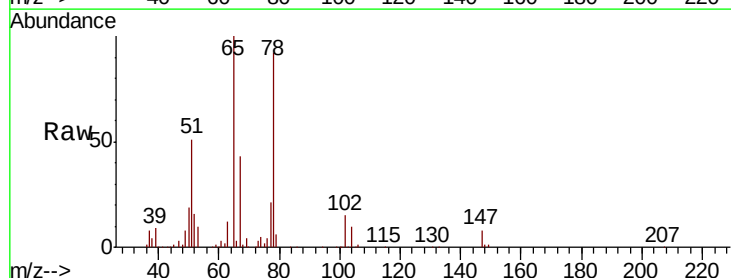
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

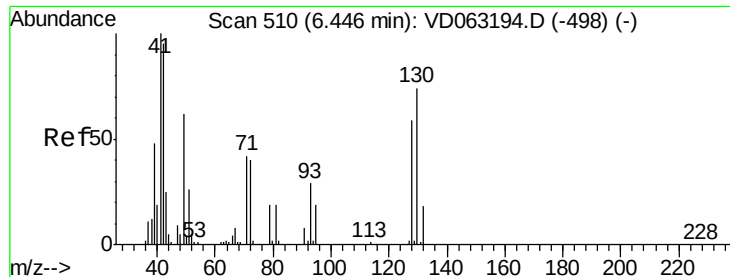
Tgt Ion: 83 Resp: 235714
Ion Ratio Lower Upper
83 100
55 96.7 71.1 106.7
98 50.4 38.5 57.7



#40
Benzene
Concen: 20.110 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.02 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

Tgt Ion: 78 Resp: 625561
Ion Ratio Lower Upper
78 100
77 22.8 19.4 29.2

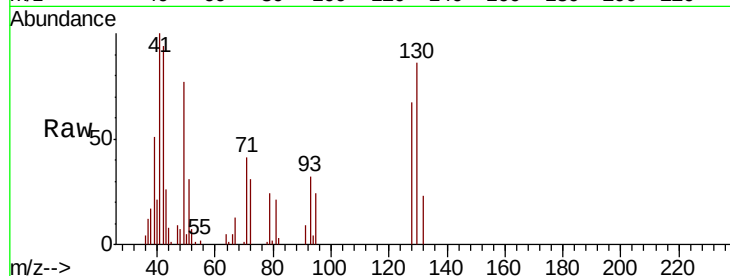




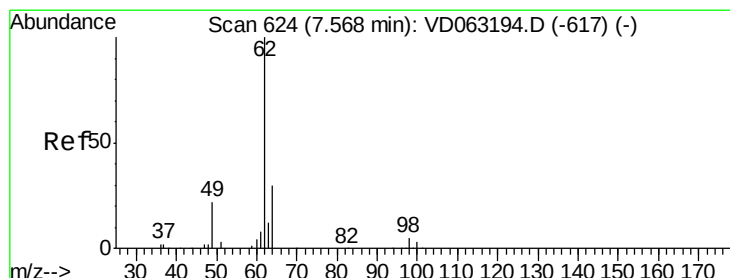
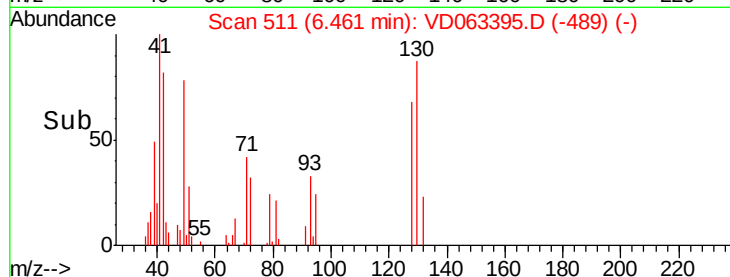
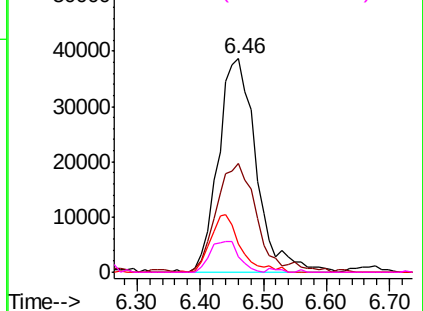
#41
Methacrylonitrile
Concen: 20.168 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.02 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tgt Ion: 41 Resp: 160867
Ion Ratio Lower Upper
41 100
39 51.1 38.4 57.6
67 13.0 6.7 10.1#
52 7.0 4.3 6.5#

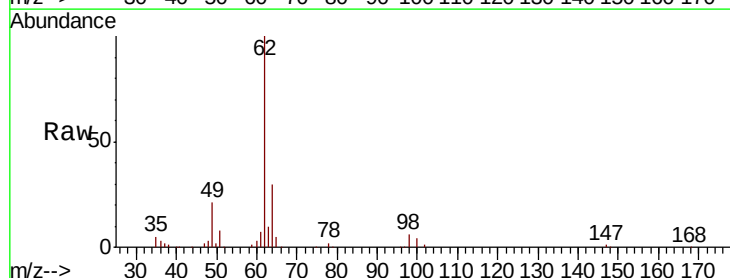


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

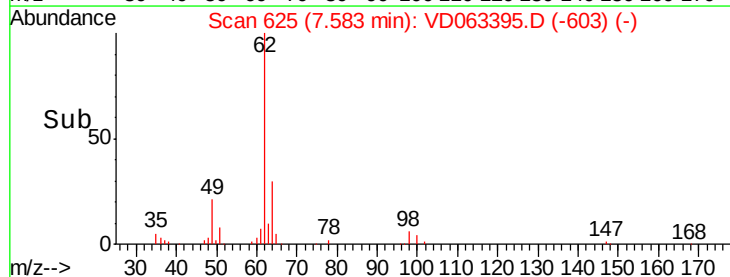
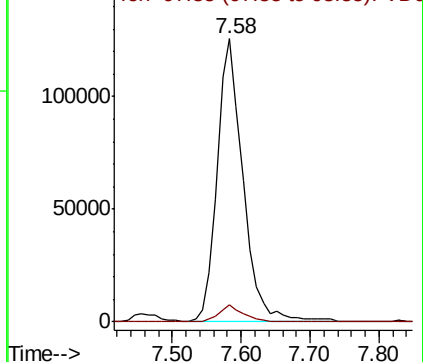


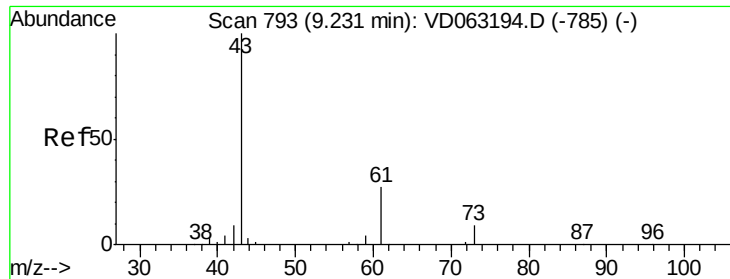
#42
1,2-Dichloroethane
Concen: 19.856 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.02 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

Tgt Ion: 62 Resp: 327349
Ion Ratio Lower Upper
62 100
98 6.2 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: 19.537 ug/l

RT: 9.25 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

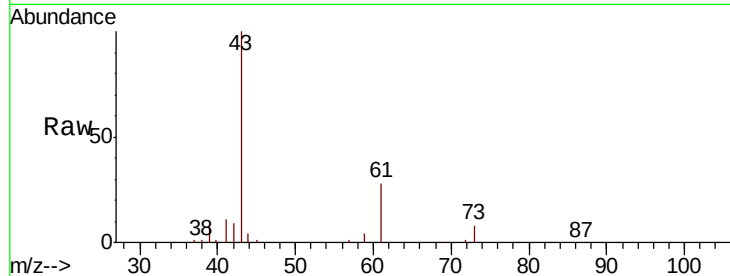
Tgt Ion: 43 Resp: 166419

Ion Ratio Lower Upper

43 100

61 27.7 21.4 32.0

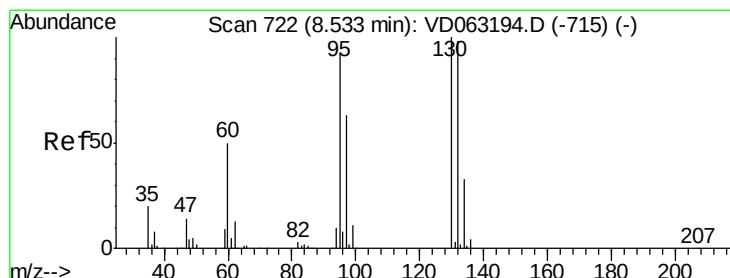
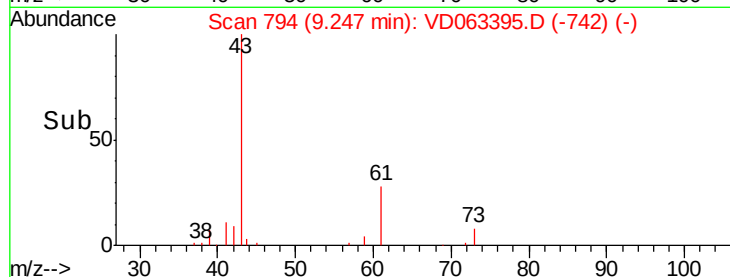
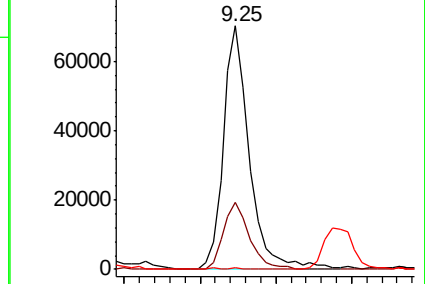
87 0.4 0.2 0.4#



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: 19.220 ug/l

RT: 8.55 min Scan# 723

Delta R.T. 0.02 min

Lab File: VD063395.D

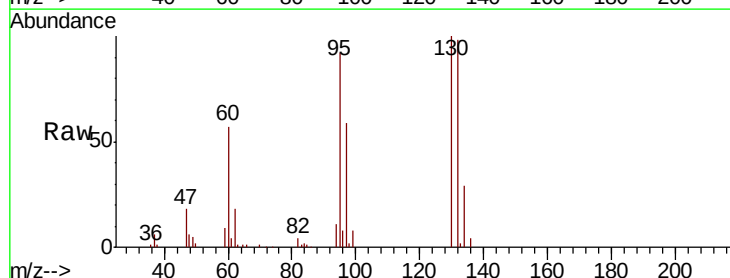
Acq: 6 Aug 2019 13:30

Tgt Ion: 130 Resp: 242265

Ion Ratio Lower Upper

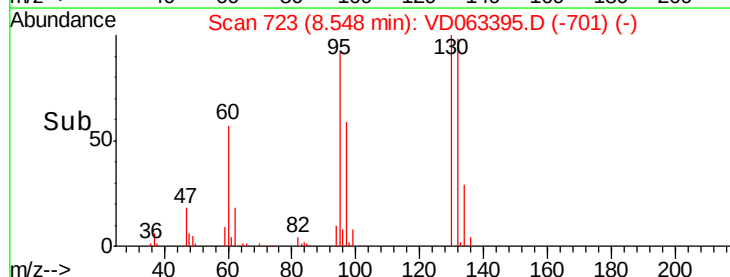
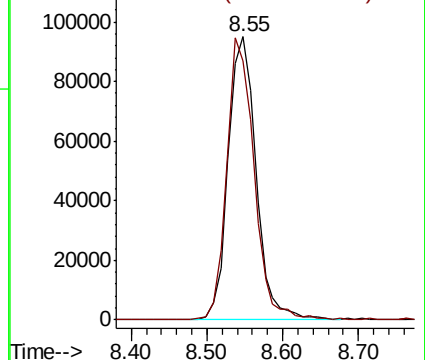
130 100

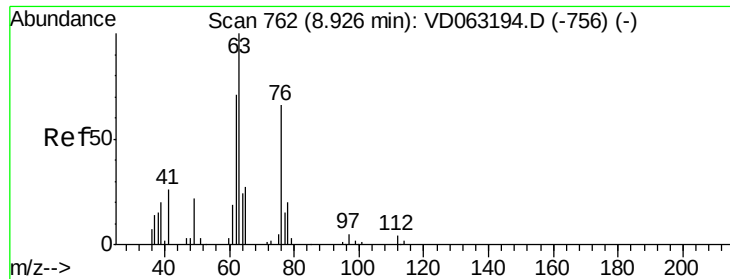
95 91.7 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.300 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

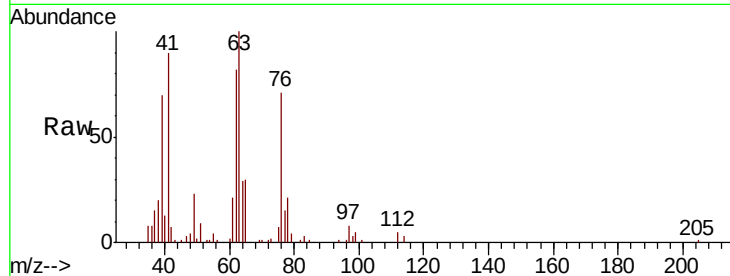
VD0806SBS01

Tgt Ion: 63 Resp: 160511

Ion Ratio Lower Upper

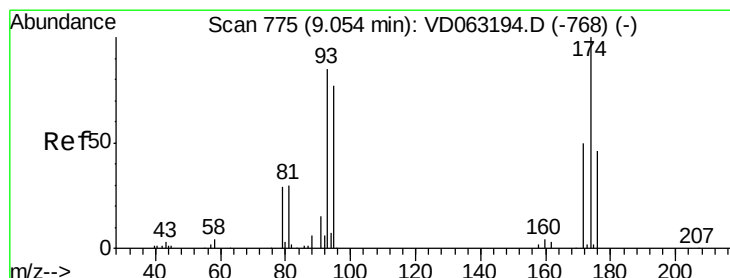
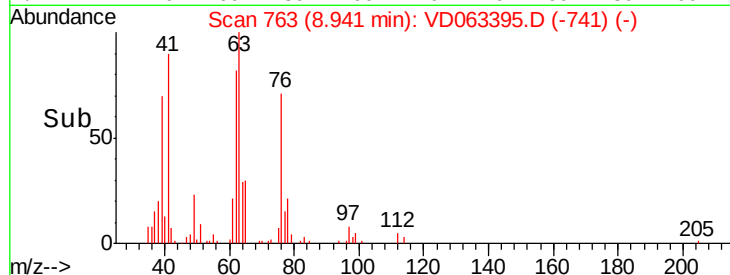
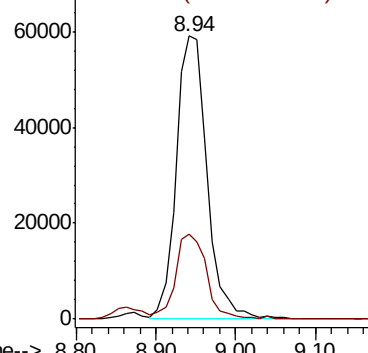
63 100

65 30.1 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: 19.615 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

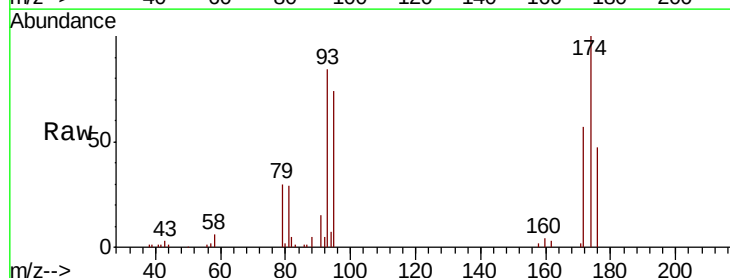
Tgt Ion: 93 Resp: 128958

Ion Ratio Lower Upper

93 100

95 88.1 72.8 109.2

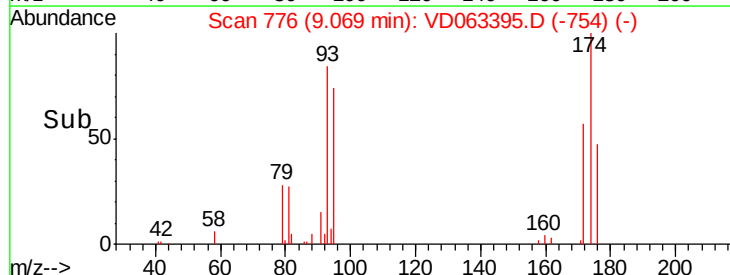
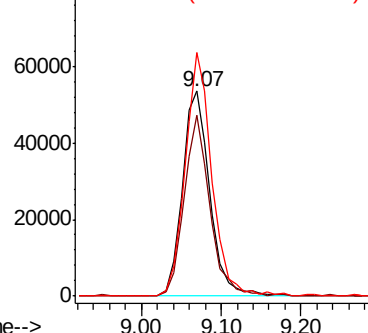
174 118.9 94.4 141.6

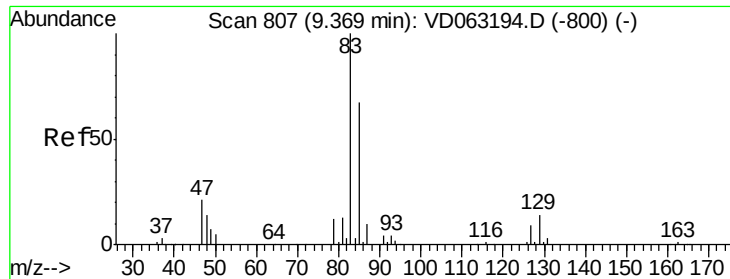


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.861 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

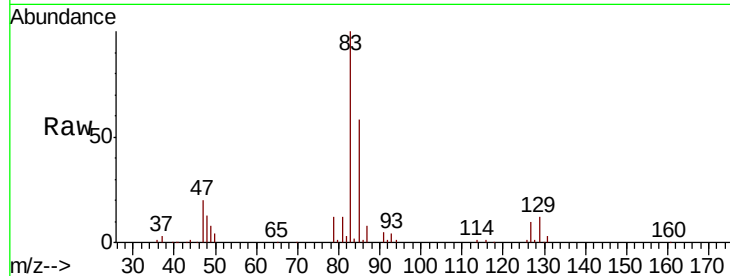
Tgt Ion: 83 Resp: 332841

Ion Ratio Lower Upper

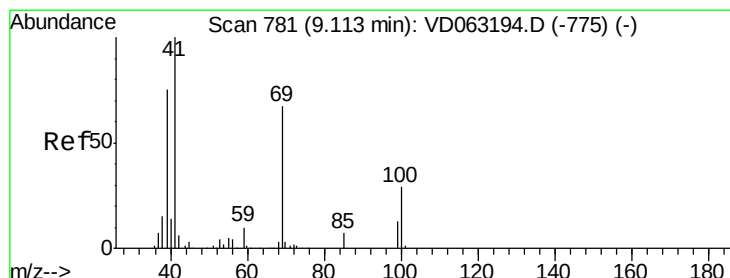
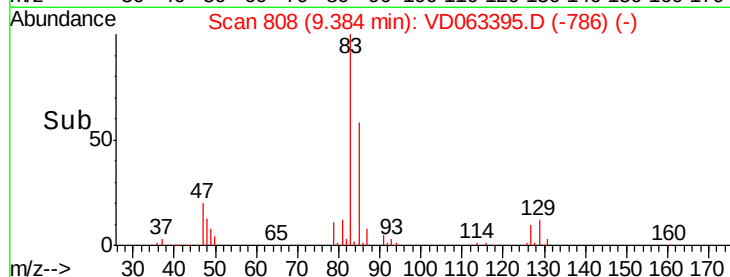
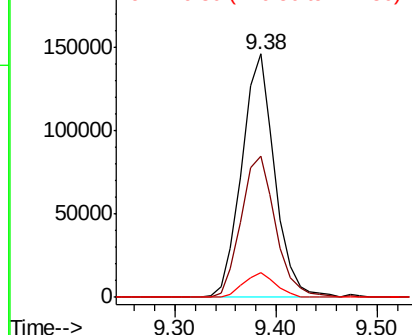
83 100

85 58.1 53.6 80.4

127 10.2 7.2 10.8



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



#48

Methyl methacrylate

Concen: 19.607 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

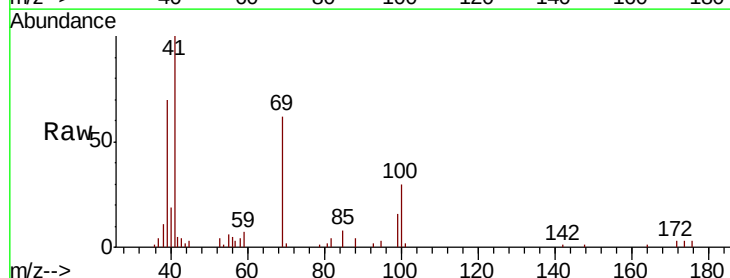
Tgt Ion: 41 Resp: 108319

Ion Ratio Lower Upper

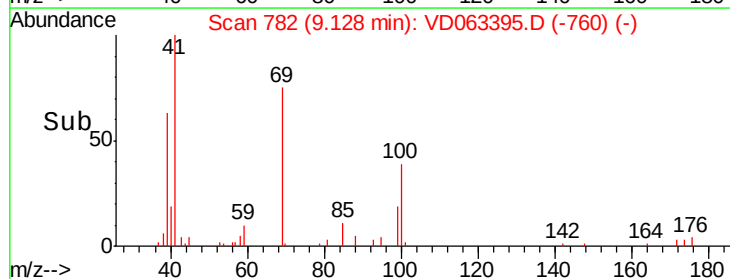
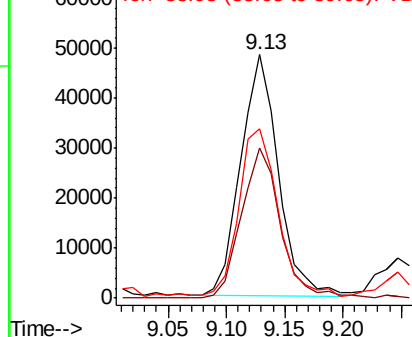
41 100

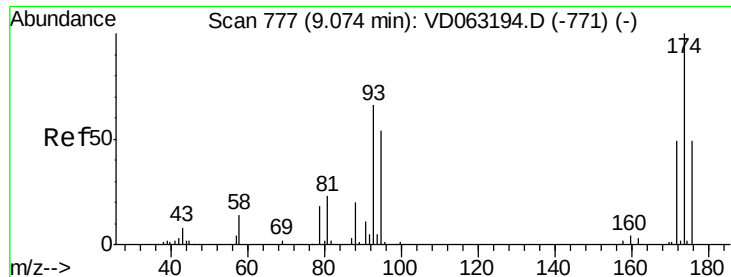
69 61.8 53.4 80.0

39 69.7 60.3 90.5



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

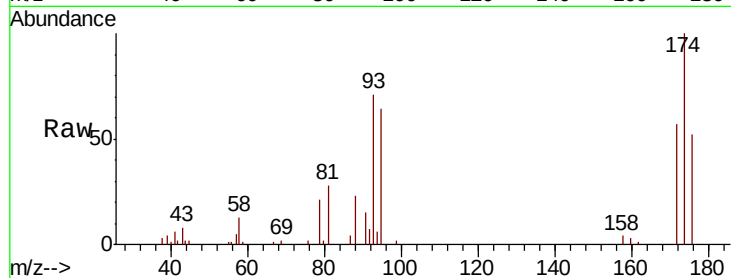




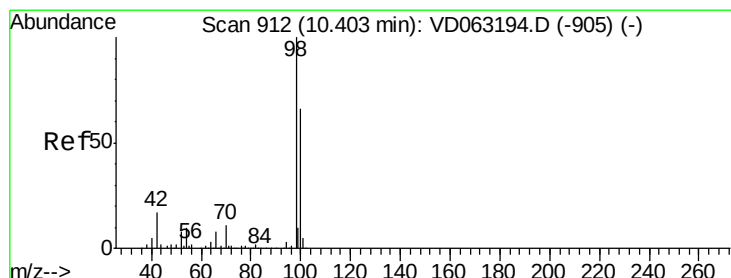
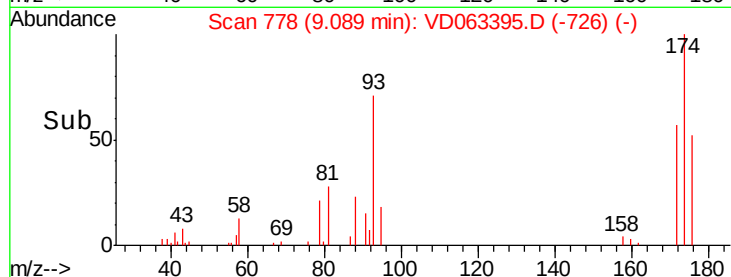
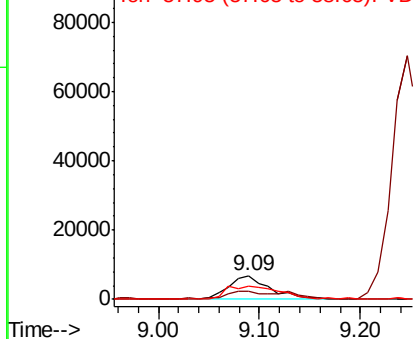
#49
 1,4-Dioxane
 Concen: 414.787 ug/l
 RT: 9.09 min Scan# 778
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tgt Ion: 88 Resp: 19524
 Ion Ratio Lower Upper
 88 100
 43 35.8 30.7 46.1
 58 54.9 56.5 84.7#

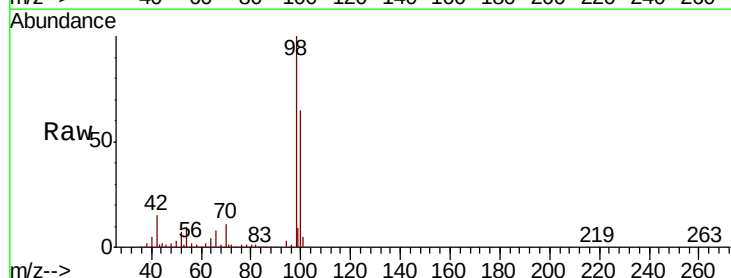


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

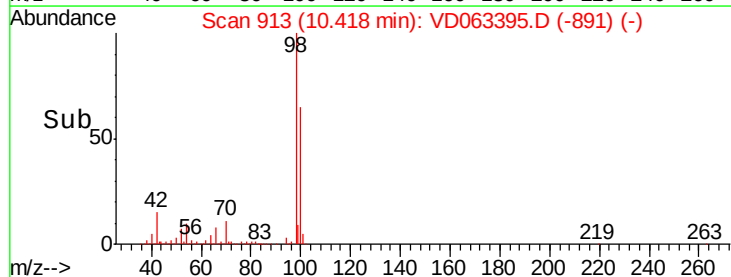
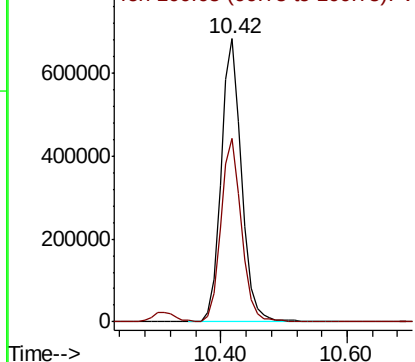


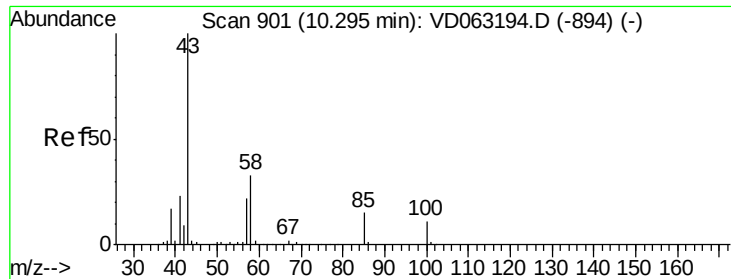
#50
 Toluene-d8
 Concen: 49.473 ug/l
 RT: 10.42 min Scan# 913
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Tgt Ion: 98 Resp: 1537432
 Ion Ratio Lower Upper
 98 100
 100 64.8 53.2 79.8



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

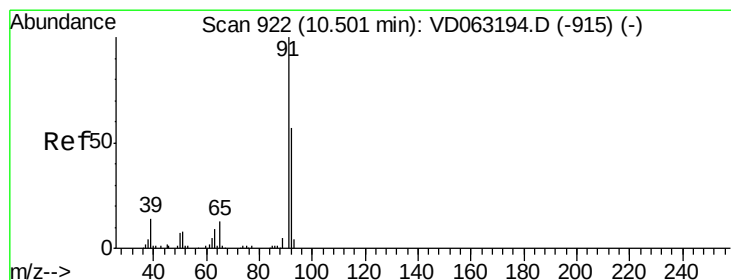
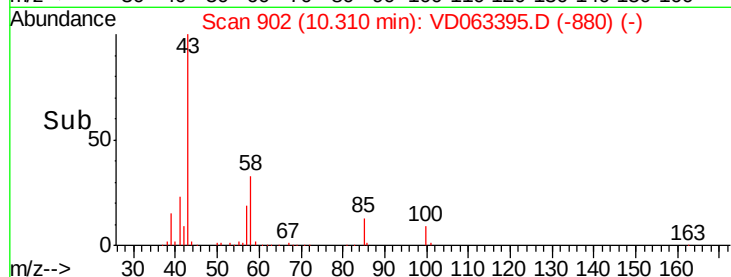
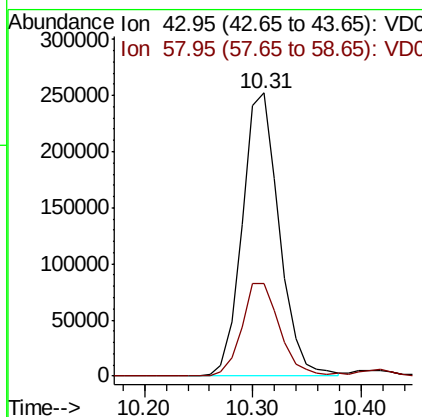
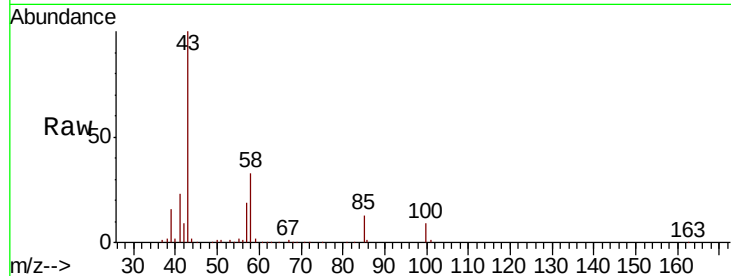




#51
 4-Methyl-2-Pentanone
 Concen: 102.930 ug/l
 RT: 10.31 min Scan# 902
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

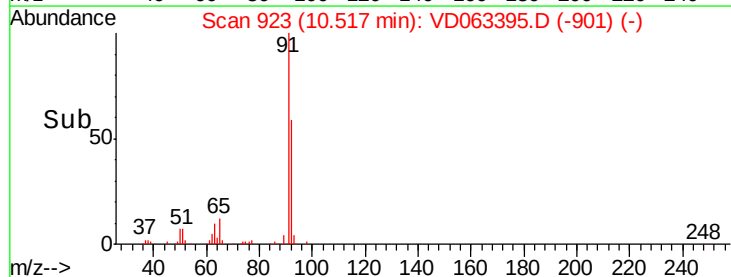
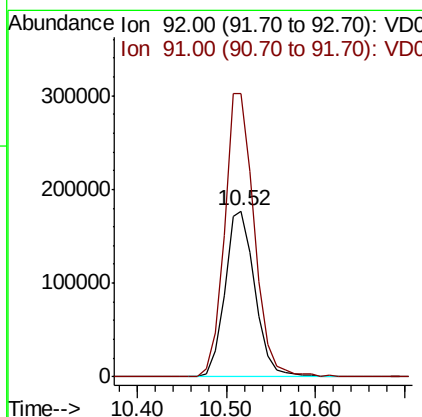
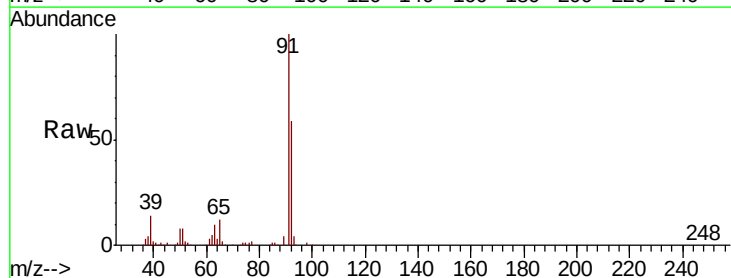
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

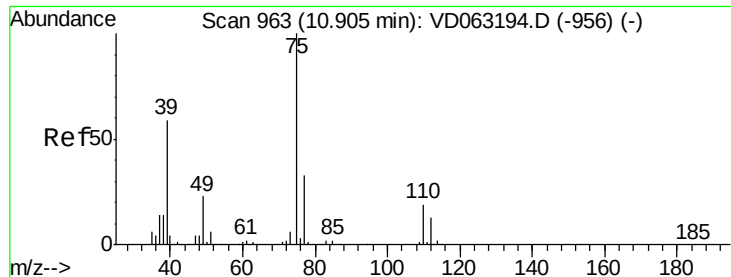
Tgt Ion: 43 Resp: 596267
 Ion Ratio Lower Upper
 43 100
 58 32.7 26.2 39.2



#52
 Toluene
 Concen: 20.190 ug/l
 RT: 10.52 min Scan# 923
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Tgt Ion: 92 Resp: 417719
 Ion Ratio Lower Upper
 92 100
 91 170.3 140.8 211.2

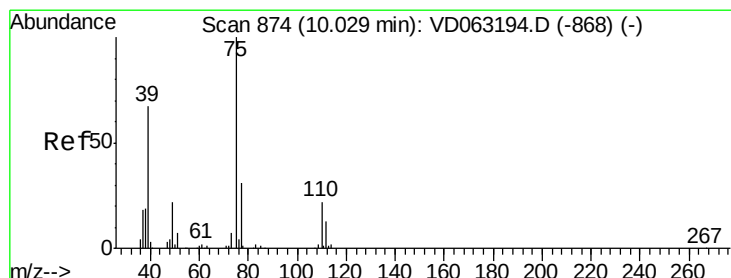
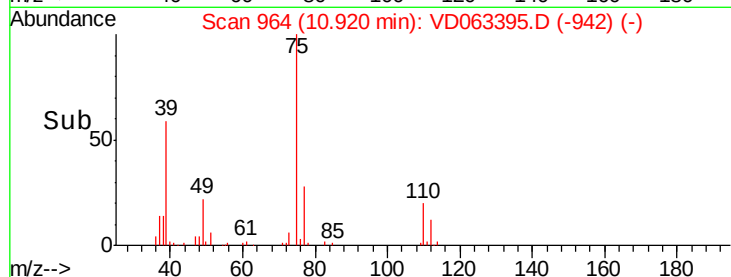
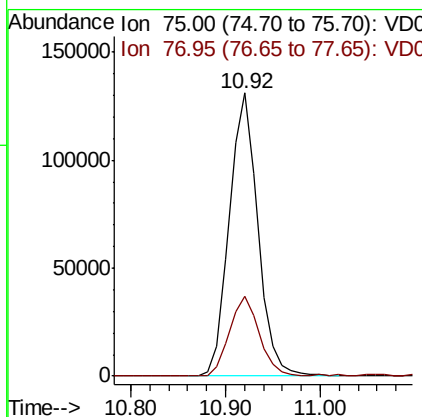
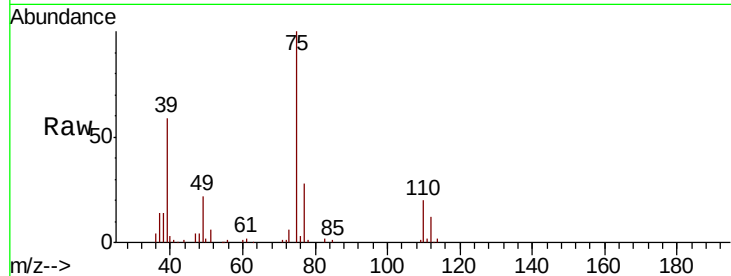




#53
 t-1,3-Dichloropropene
 Concen: 19.018 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

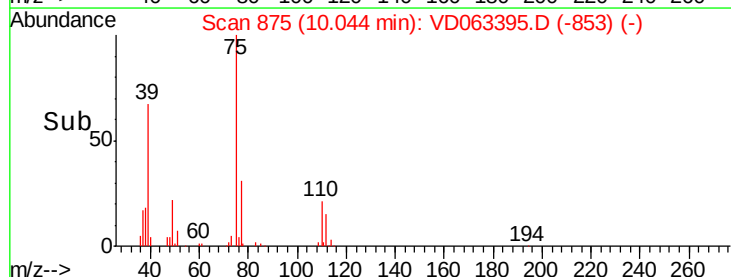
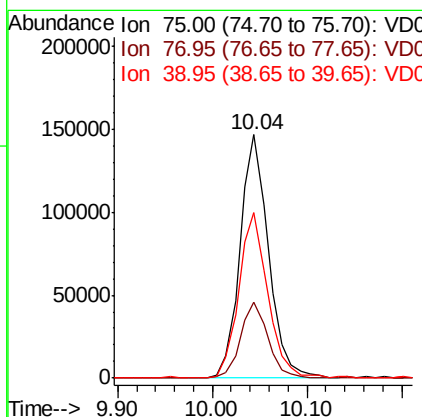
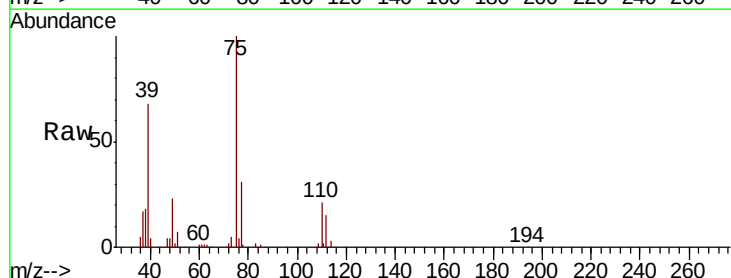
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

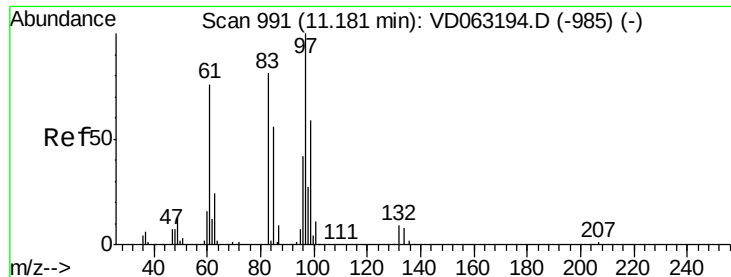
Tgt Ion: 75 Resp: 274776
 Ion Ratio Lower Upper
 75 100
 77 28.4 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.087 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Tgt Ion: 75 Resp: 305016
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.9 37.3
 39 67.8 53.9 80.9

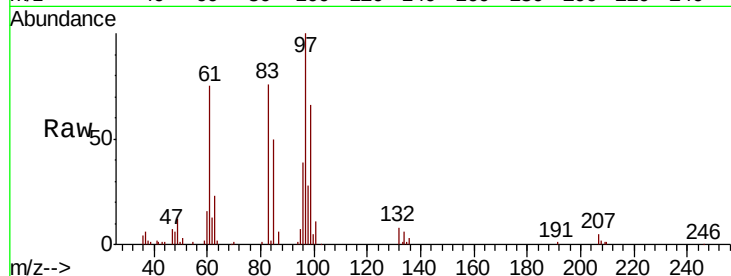




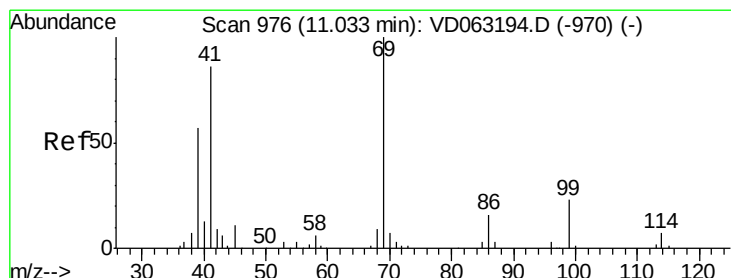
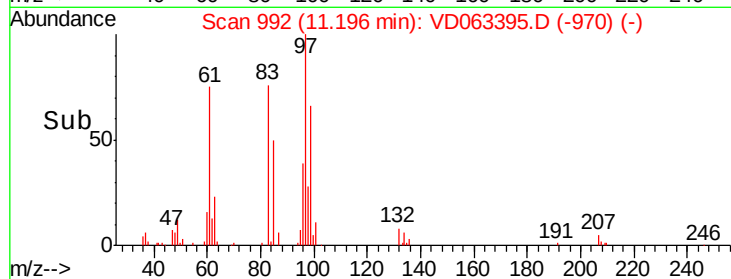
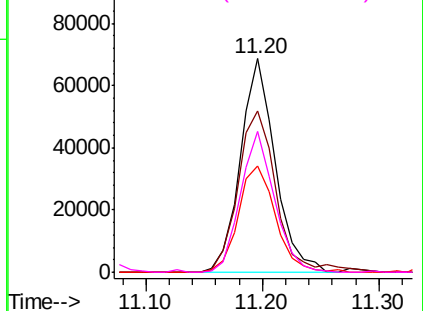
#55
 1,1,2-Trichloroethane
 Concen: 20.270 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tgt Ion:	97	Resp:	141637
Ion	Ratio	Lower	Upper
97	100		
83	75.5	64.8	97.2
85	49.6	44.9	67.3
99	66.0	47.2	70.8

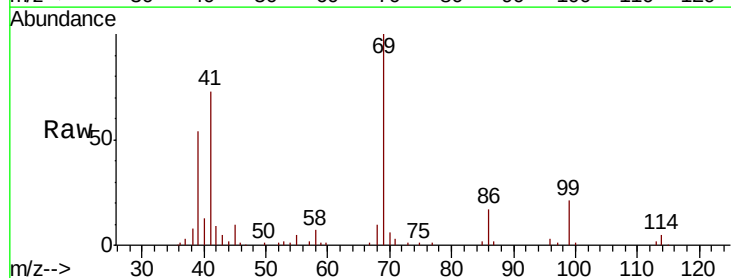


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

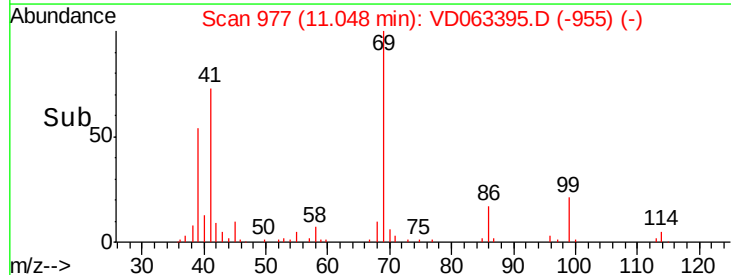
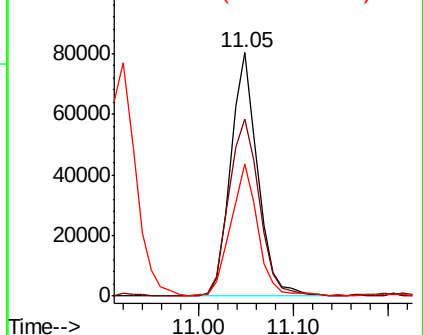


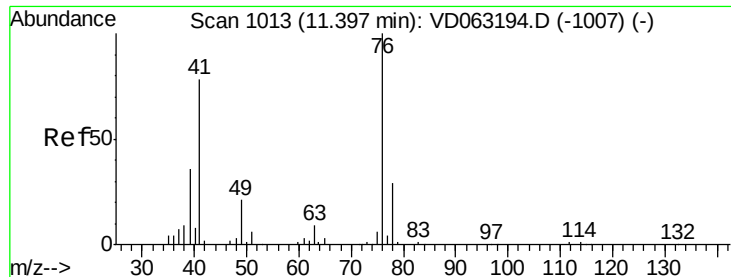
#56
 Ethyl methacrylate
 Concen: 20.757 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Tgt Ion:	69	Resp:	158828
Ion	Ratio	Lower	Upper
69	100		
41	72.7	68.8	103.2
39	54.4	45.8	68.8



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

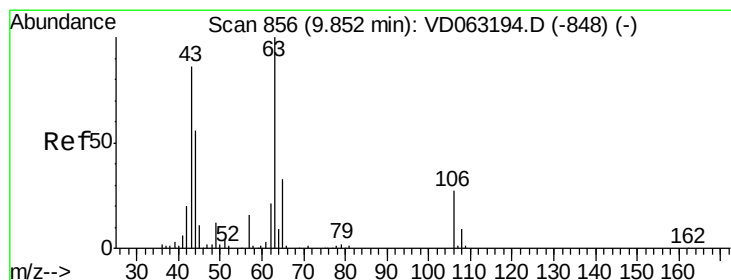
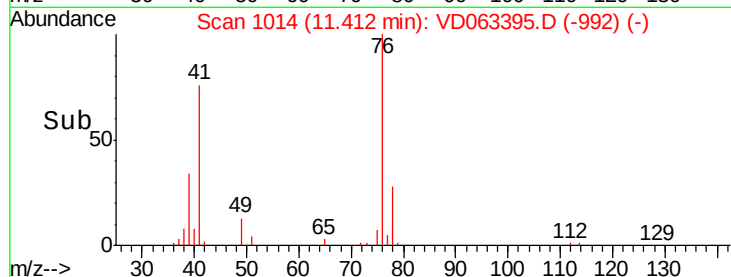
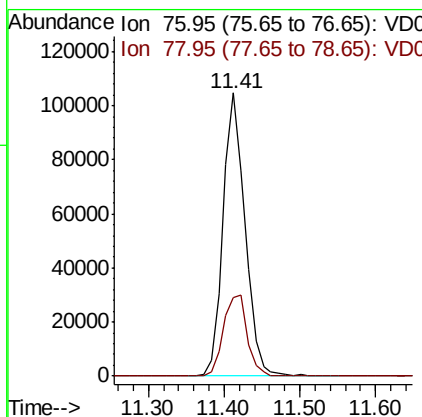
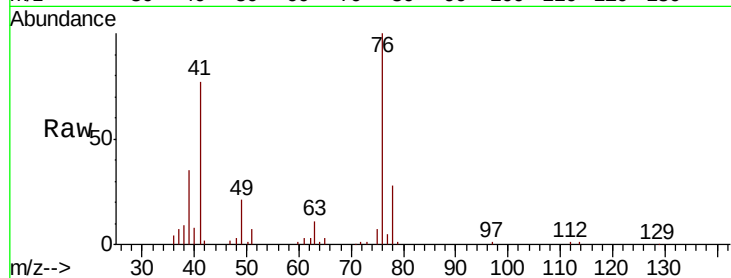




#57
 1,3-Dichloropropane
 Concen: 19.148 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

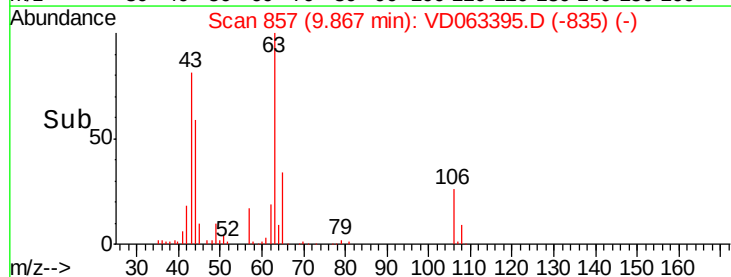
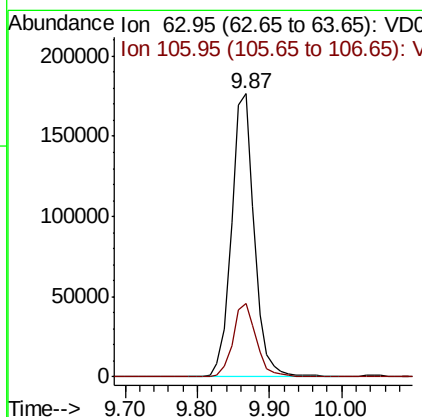
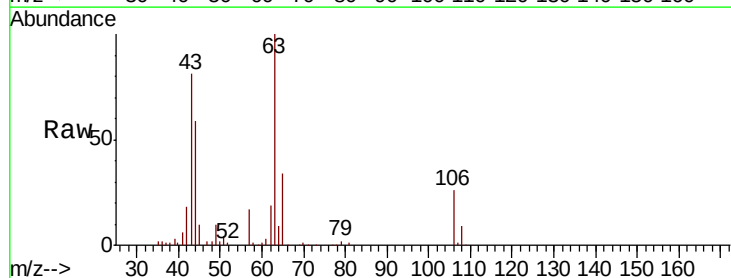
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

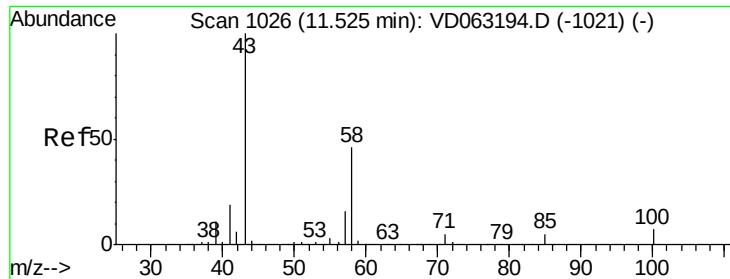
Tgt Ion: 76 Resp: 210807
 Ion Ratio Lower Upper
 76 100
 78 27.6 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.677 ug/l
 RT: 9.87 min Scan# 857
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Tgt Ion: 63 Resp: 388896
 Ion Ratio Lower Upper
 63 100
 106 25.8 22.0 33.0

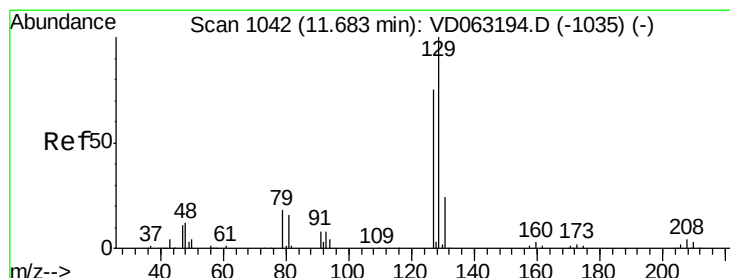
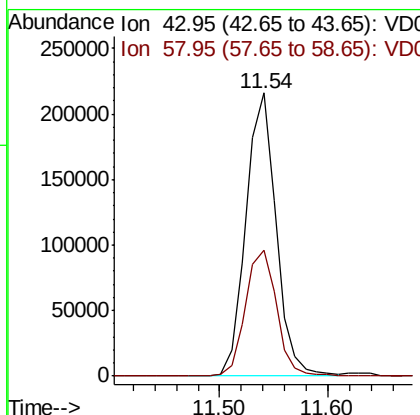
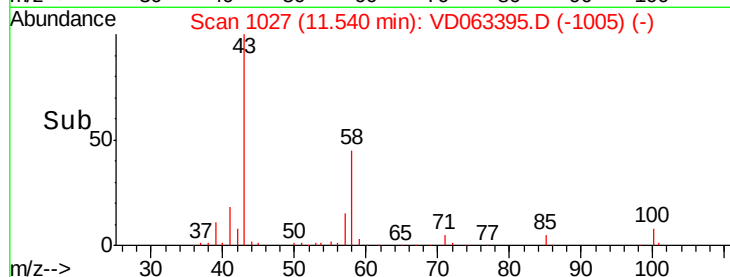
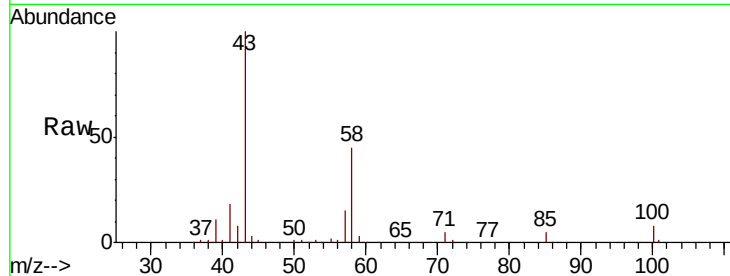




#59
2-Hexanone
Concen: 100.869 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

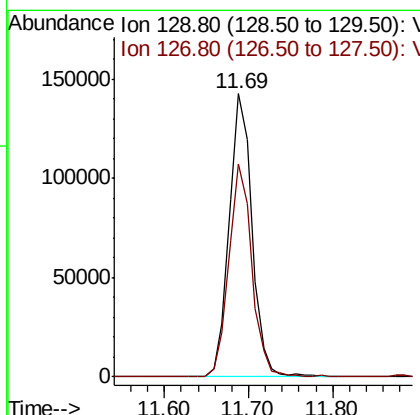
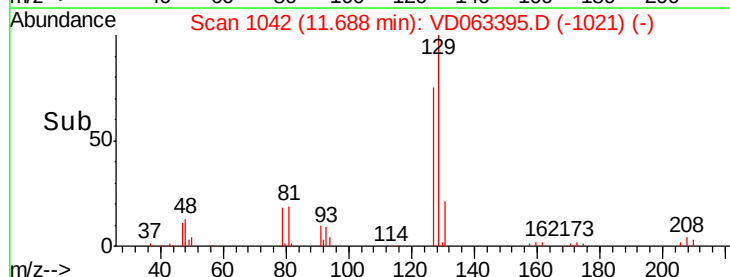
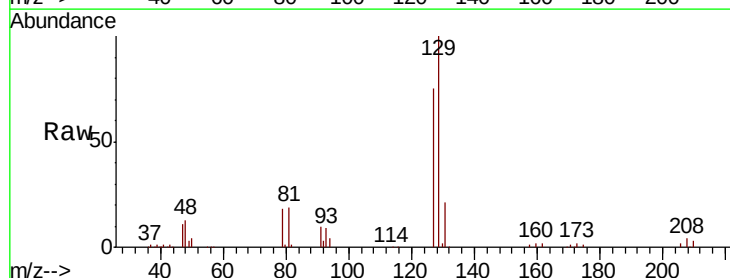
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

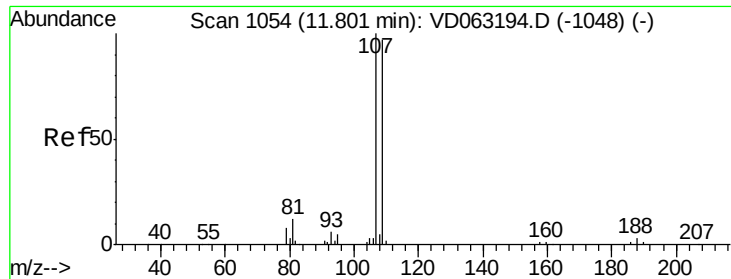
Tgt Ion: 43 Resp: 421092
Ion Ratio Lower Upper
43 100
58 44.7 22.9 68.5



#60
Dibromochloromethane
Concen: 20.406 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

Tgt Ion: 129 Resp: 269191
Ion Ratio Lower Upper
129 100
127 75.4 37.6 112.8

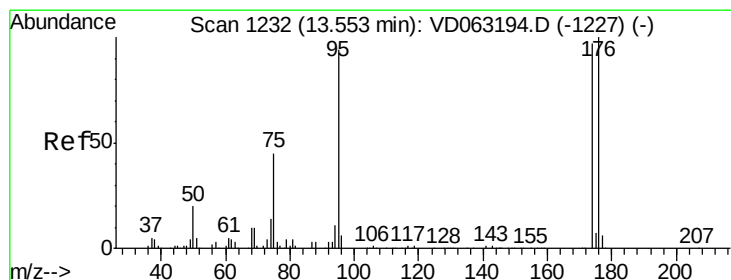
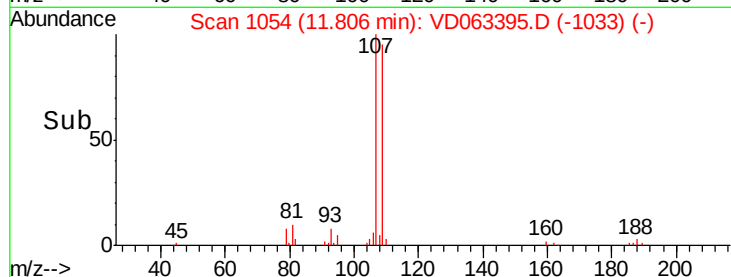
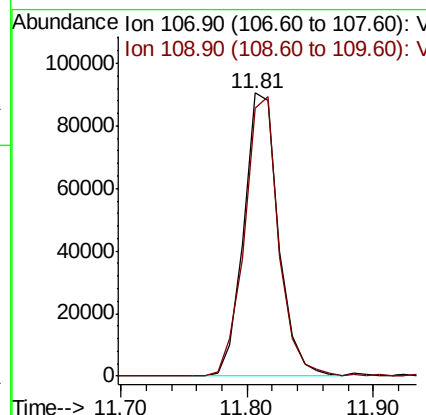
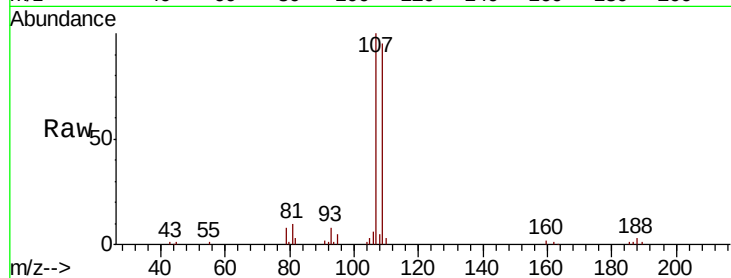




#61
 1,2-Dibromoethane
 Concen: 19.869 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

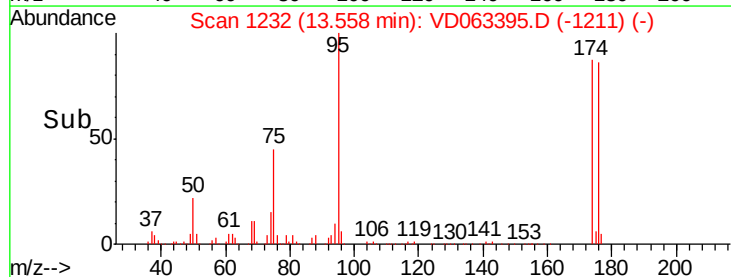
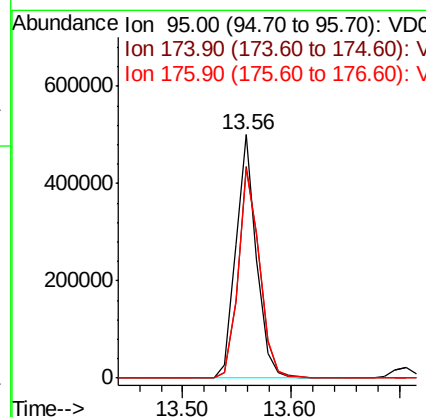
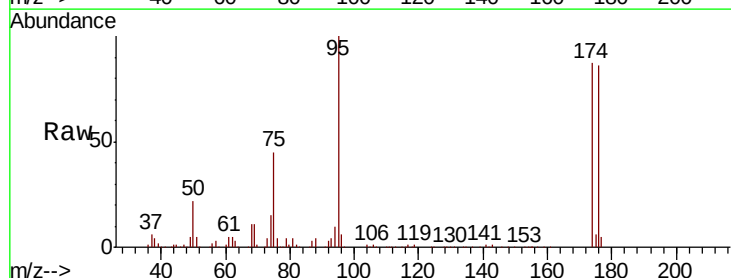
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

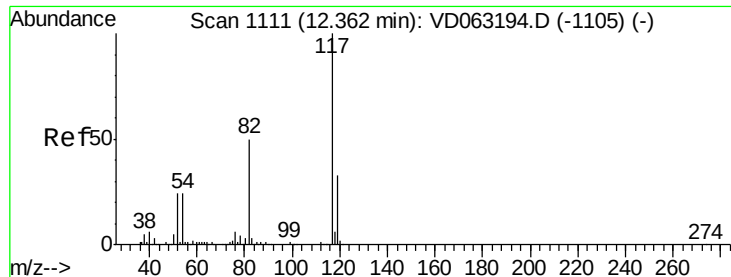
Tgt Ion: 107 Resp: 171316
 Ion Ratio Lower Upper
 107 100
 109 94.6 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 46.542 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Tgt Ion: 95 Resp: 659098
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 205.4
 176 85.8 0.0 211.8

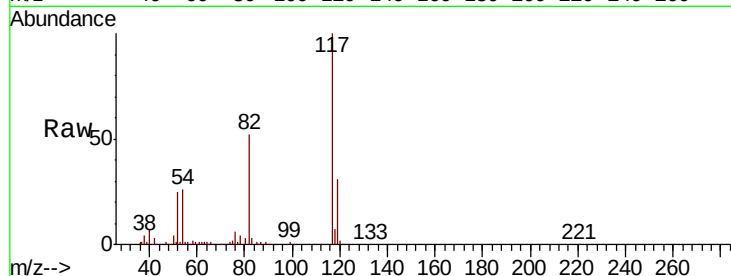




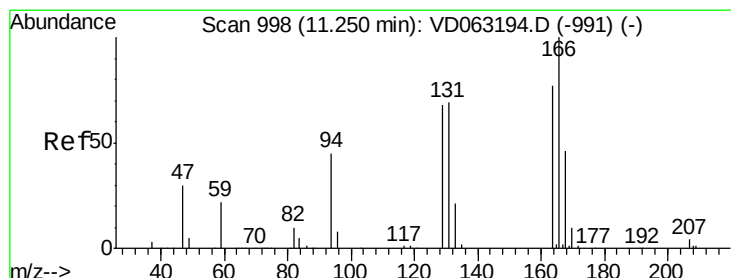
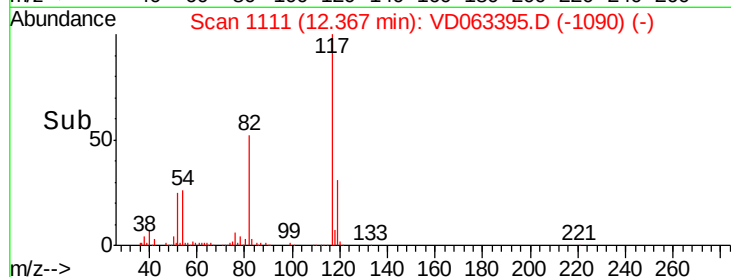
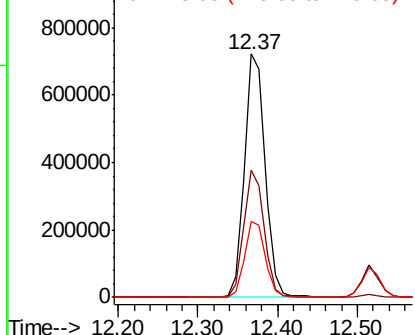
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tgt Ion:117 Resp: 1287025
Ion Ratio Lower Upper
117 100
82 52.2 40.1 60.1
119 31.4 26.5 39.7

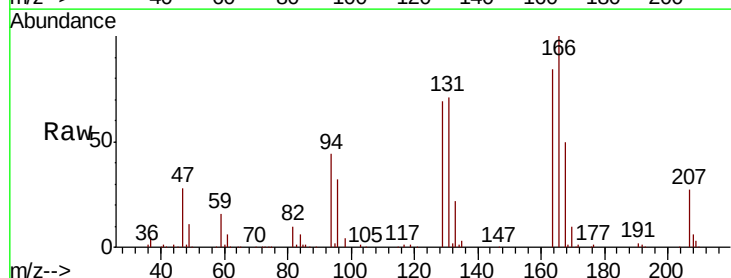


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

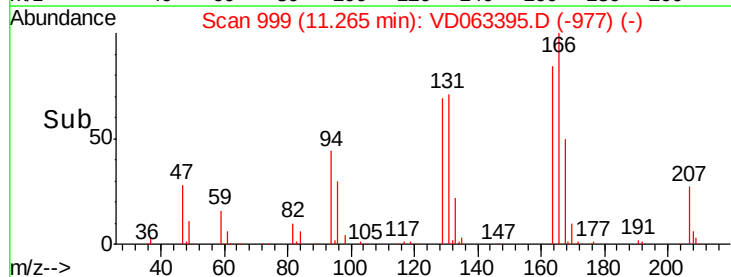
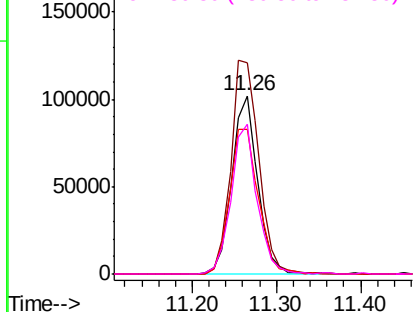


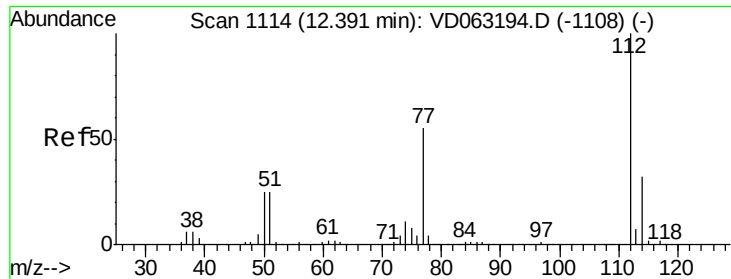
#64
Tetrachloroethene
Concen: 21.150 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

Tgt Ion:164 Resp: 216859
Ion Ratio Lower Upper
164 100
166 118.5 104.3 156.5
129 81.3 70.9 106.3
131 83.9 71.6 107.4



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

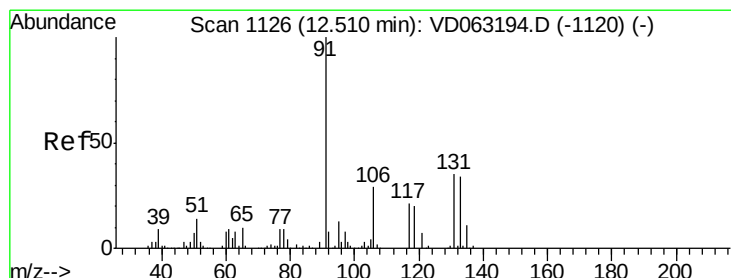
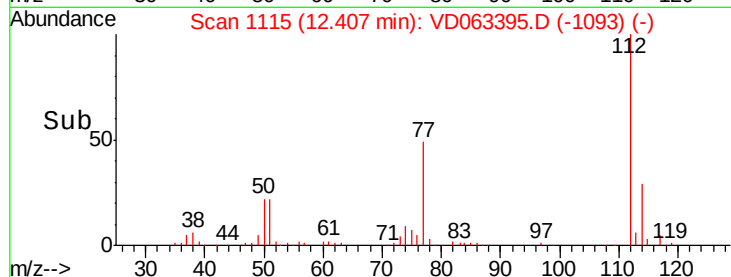
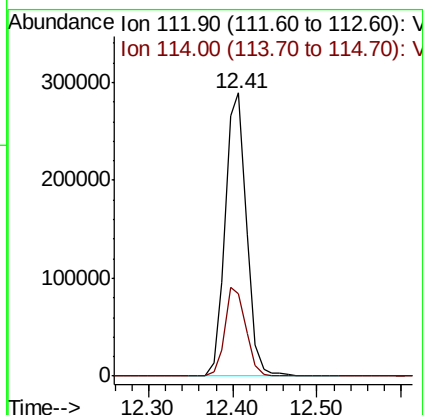
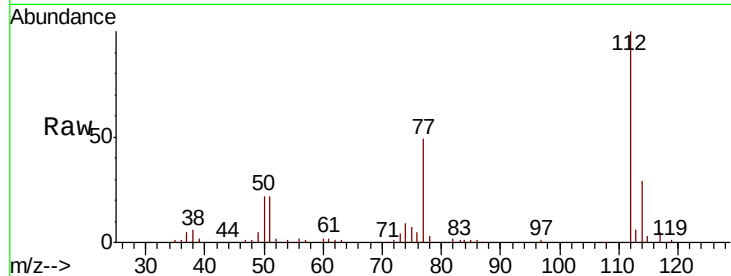




#65
Chlorobenzene
Concen: 20.501 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. 0.02 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

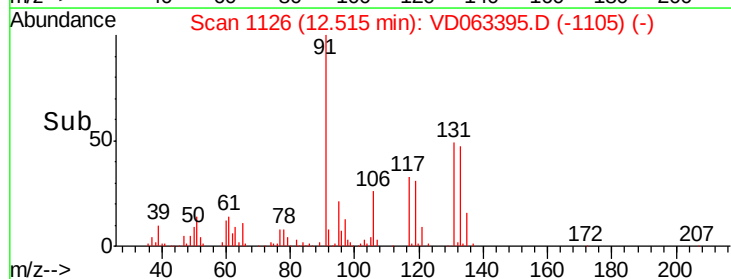
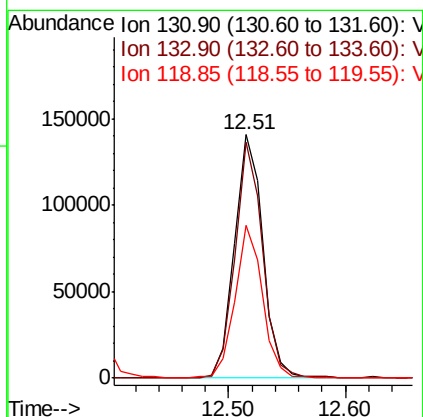
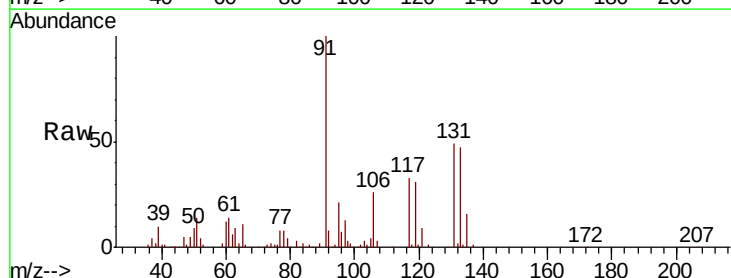
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

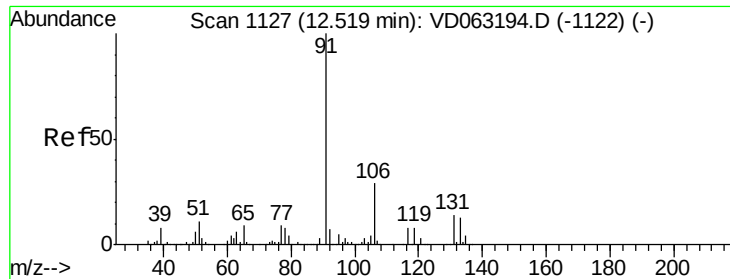
Tgt Ion:112 Resp: 507517
Ion Ratio Lower Upper
112 100
114 29.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.768 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

Tgt Ion:131 Resp: 237363
Ion Ratio Lower Upper
131 100
133 96.9 48.4 145.2
119 62.9 29.1 87.3

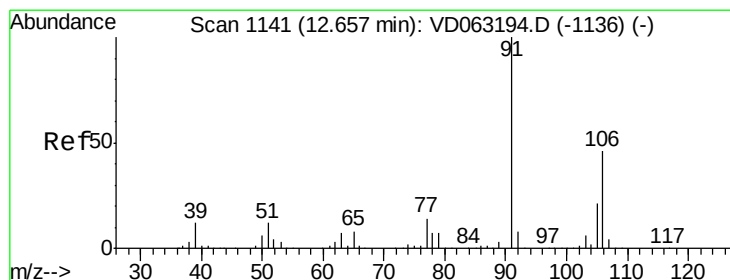
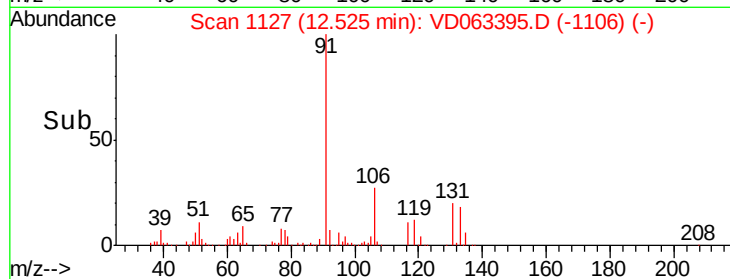
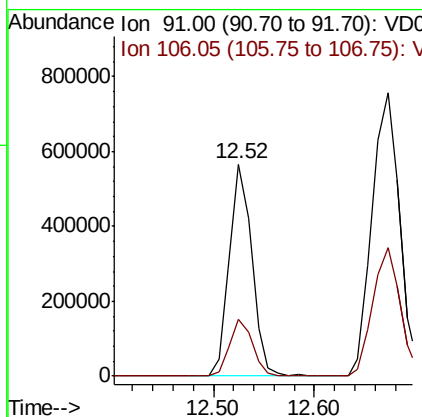
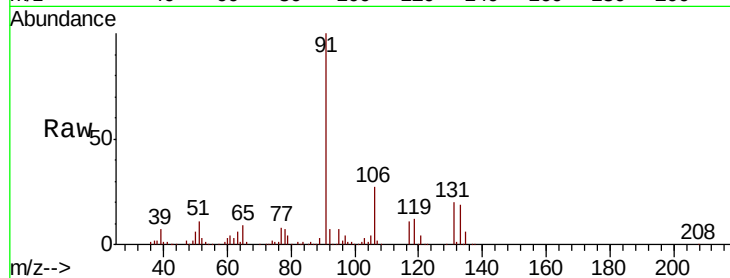




#67
Ethyl Benzene
Concen: 21.017 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

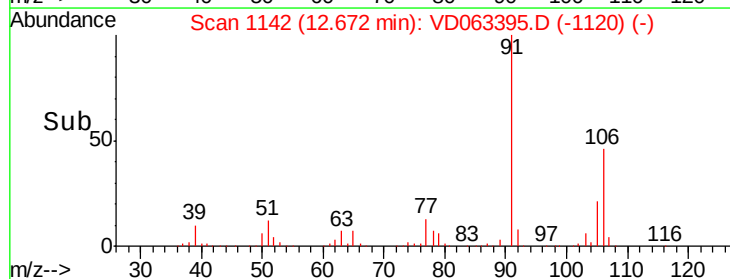
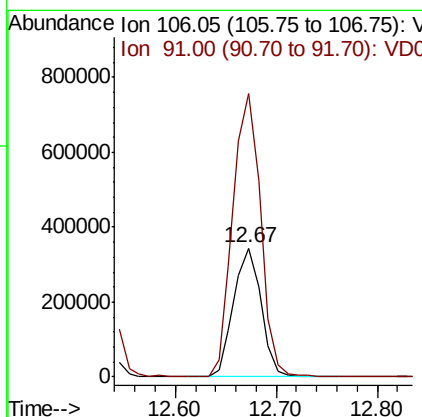
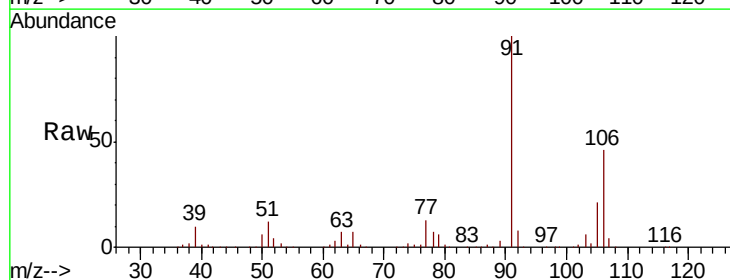
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

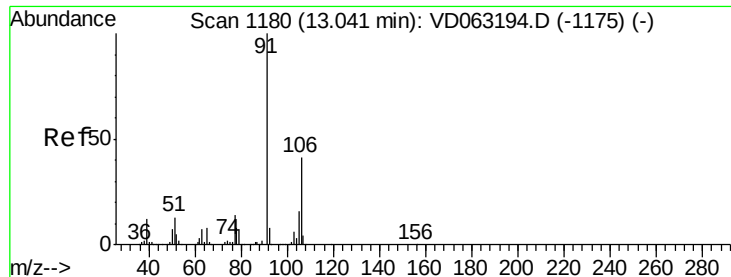
Tgt Ion: 91 Resp: 883856
Ion Ratio Lower Upper
91 100
106 26.7 22.9 34.3



#68
m/p-Xylenes
Concen: 42.653 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.02 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

Tgt Ion: 106 Resp: 657810
Ion Ratio Lower Upper
106 100
91 219.4 172.6 259.0

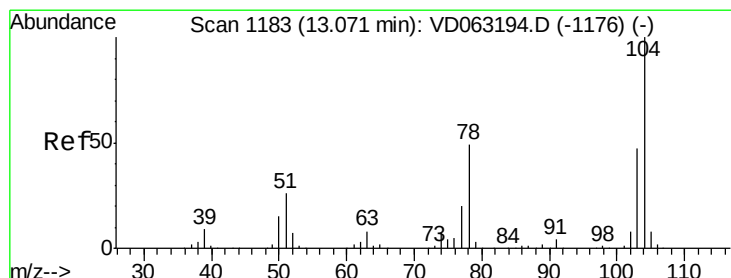
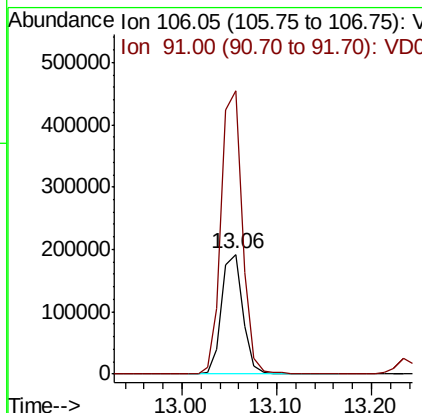
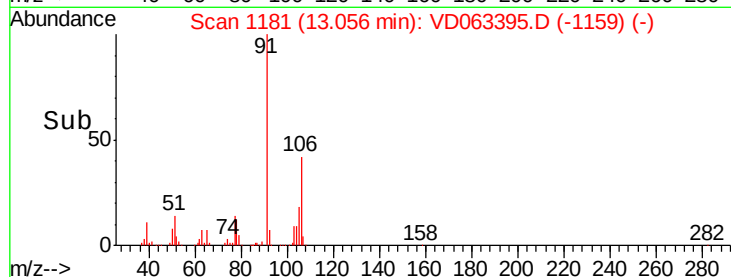
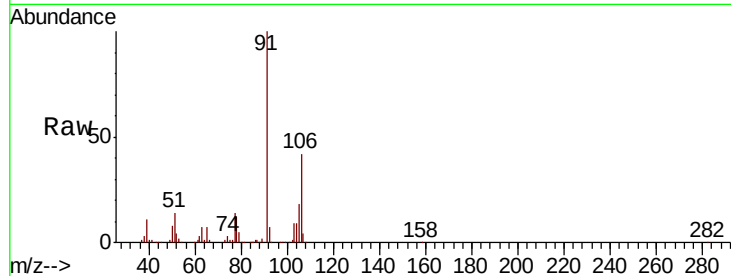




#69
o-Xylene
Concen: 21.272 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

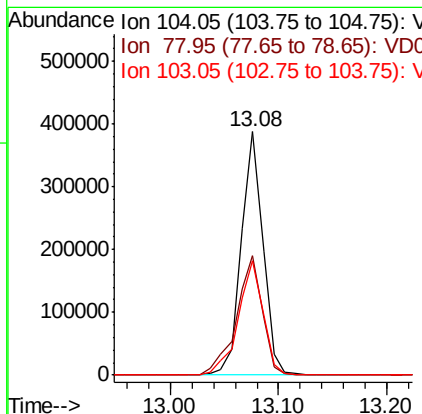
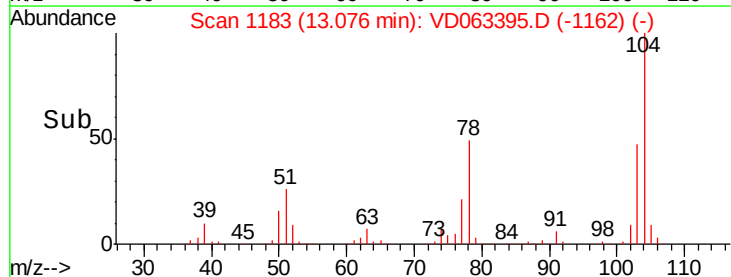
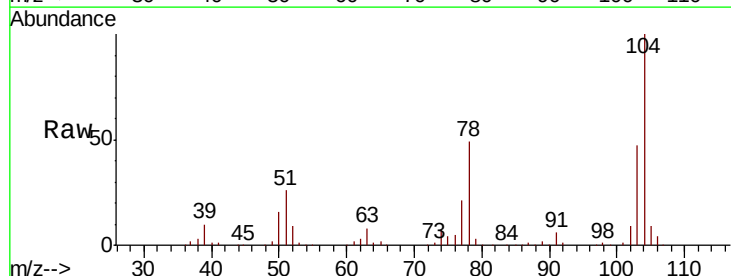
Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

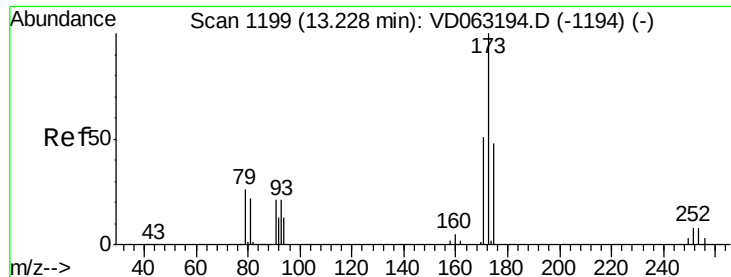
Tgt Ion:106 Resp: 301267
Ion Ratio Lower Upper
106 100
91 236.2 121.3 363.9



#70
Styrene
Concen: 21.476 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

Tgt Ion:104 Resp: 539383
Ion Ratio Lower Upper
104 100
78 48.9 39.4 59.0
103 46.9 37.4 56.2





#71

Bromoform

Concen: 20.585 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

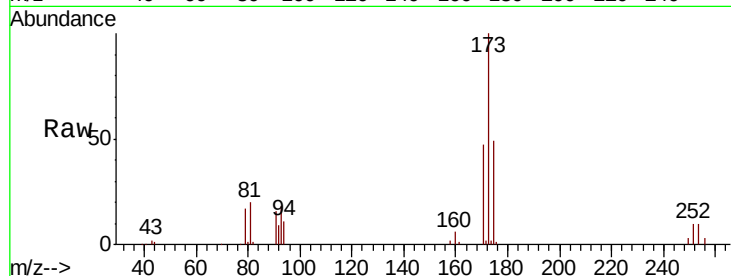
Tgt Ion:173 Resp: 163239

Ion Ratio Lower Upper

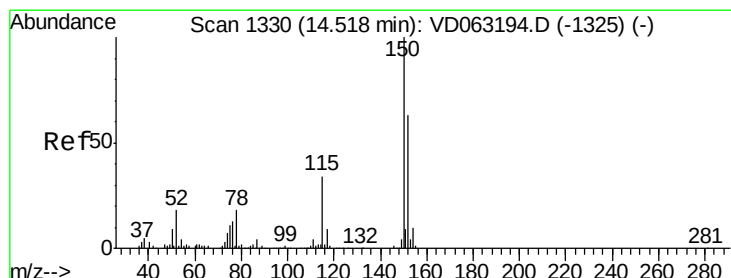
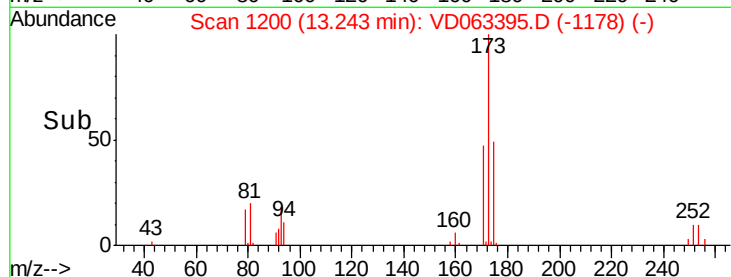
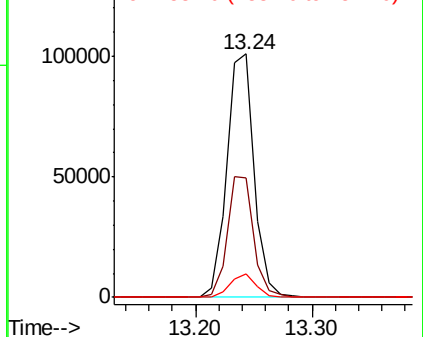
173 100

175 49.2 23.8 71.5

254 9.6 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. 0.01 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

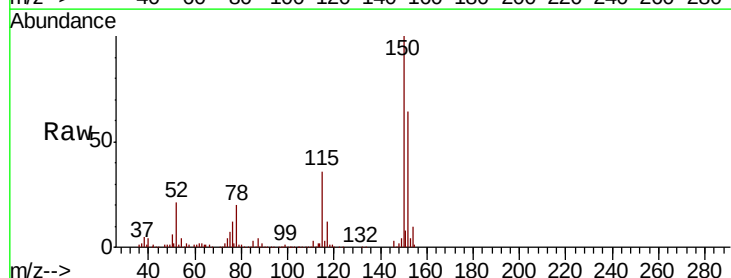
Tgt Ion:152 Resp: 686073

Ion Ratio Lower Upper

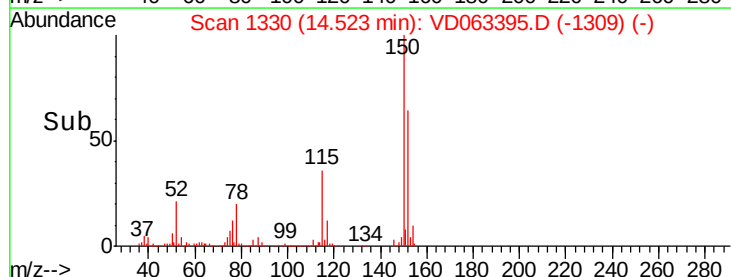
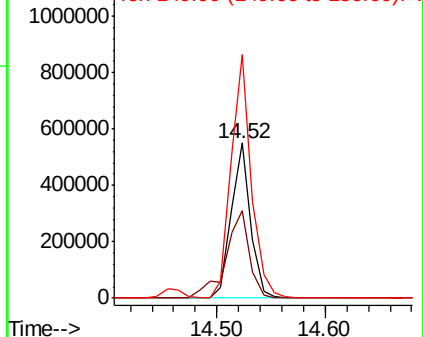
152 100

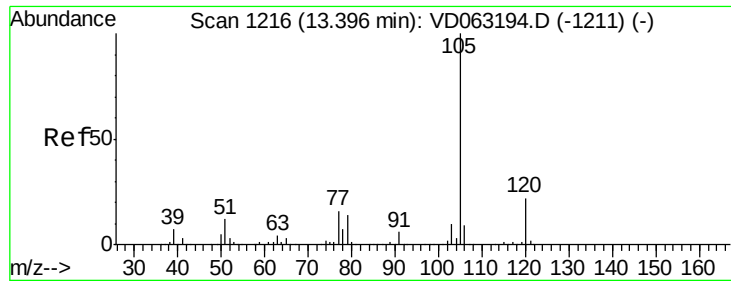
115 56.1 27.5 82.4

150 157.0 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: 21.602 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

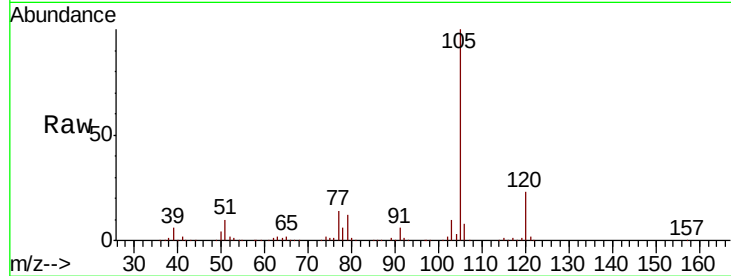
VD0806SBS01

Tgt Ion:105 Resp: 930170

Ion Ratio Lower Upper

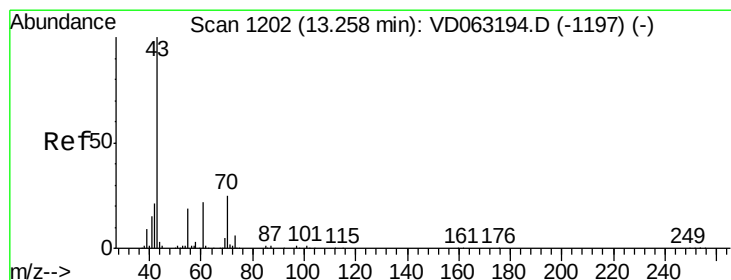
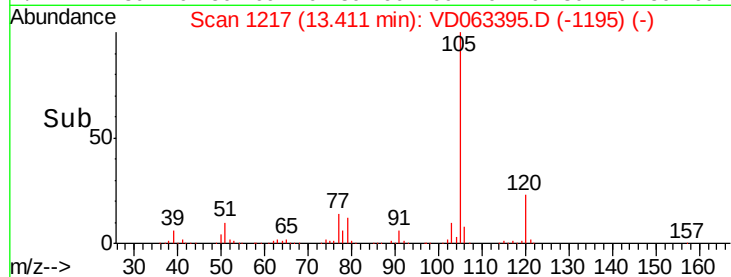
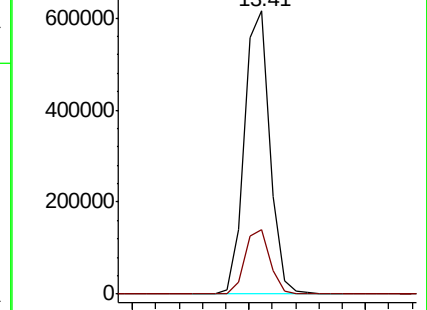
105 100

120 22.8 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: 21.536 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Tgt Ion: 43 Resp: 245146

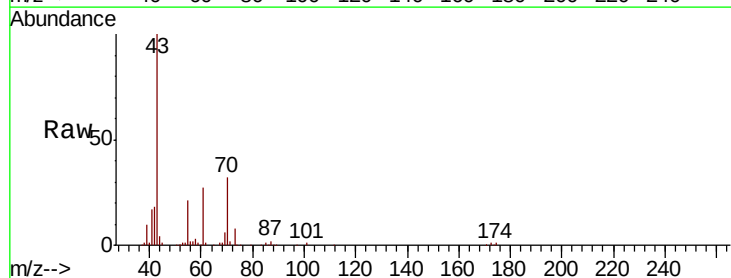
Ion Ratio Lower Upper

43 100

70 31.9 20.2 30.4#

55 20.9 14.9 22.3

61 27.0 17.9 26.9#

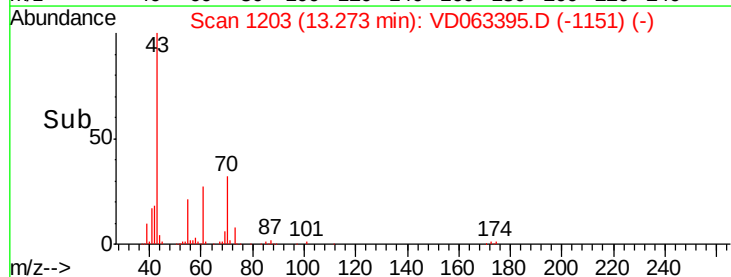
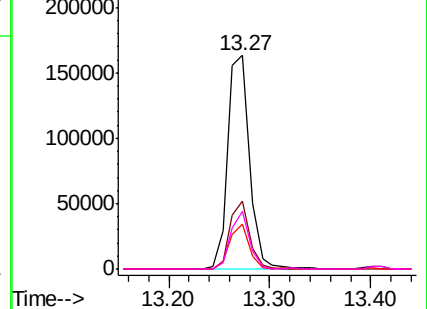


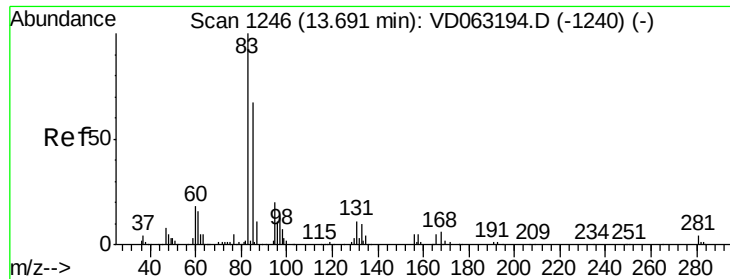
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 22.357 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

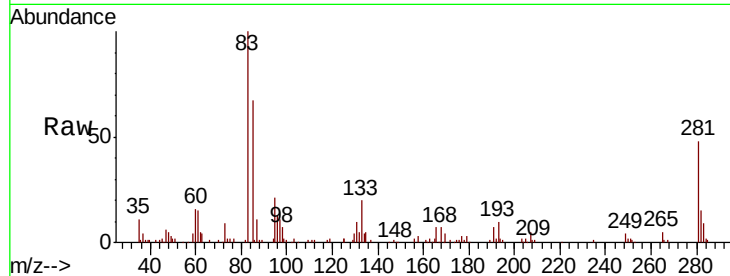
Tgt Ion: 83 Resp: 163528

Ion Ratio Lower Upper

83 100

131 10.1 5.5 16.7

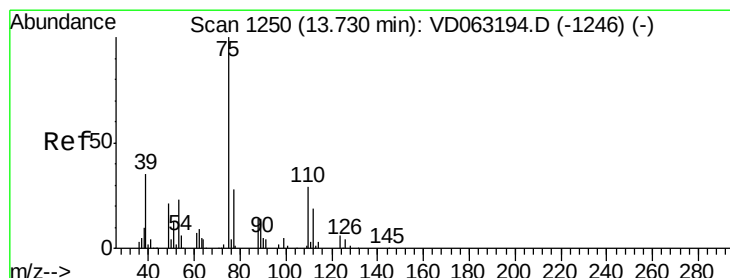
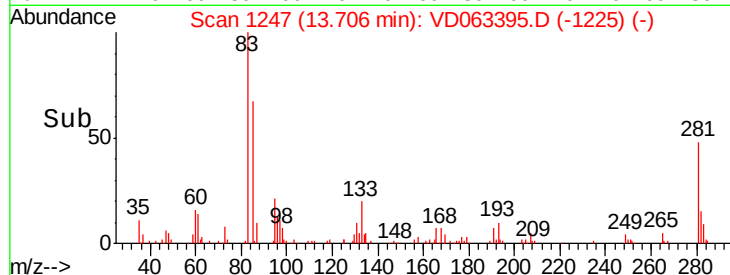
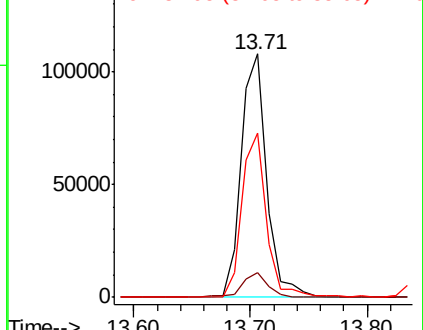
85 67.4 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.380 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD063395.D

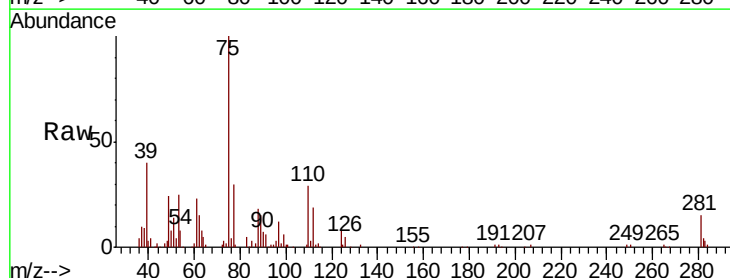
Acq: 6 Aug 2019 13:30

Tgt Ion: 75 Resp: 176185

Ion Ratio Lower Upper

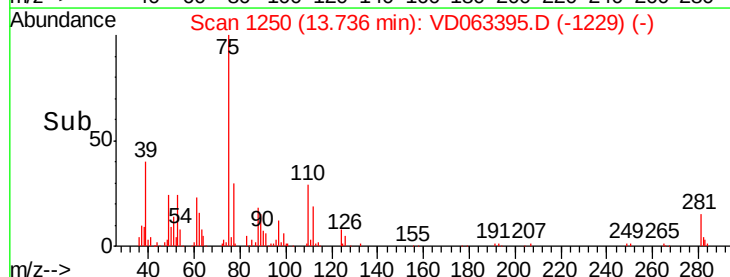
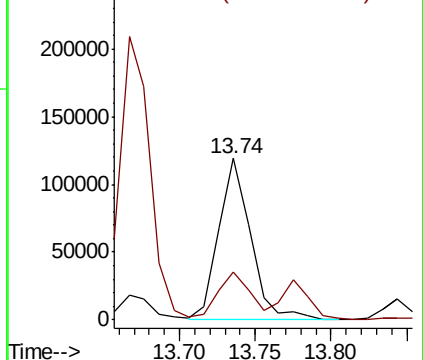
75 100

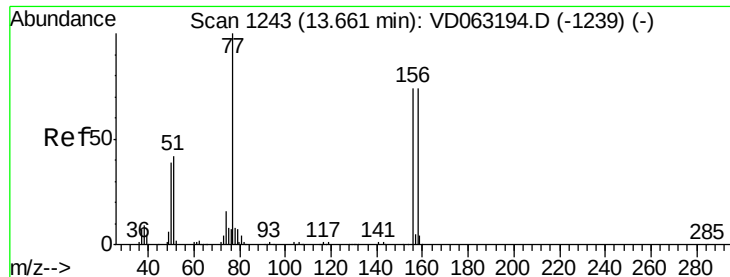
77 29.9 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.293 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

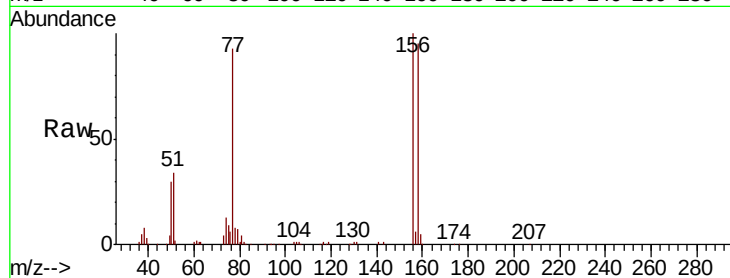
Tgt Ion: 156 Resp: 261189

Ion Ratio Lower Upper

156 100

77 93.5 67.6 202.8

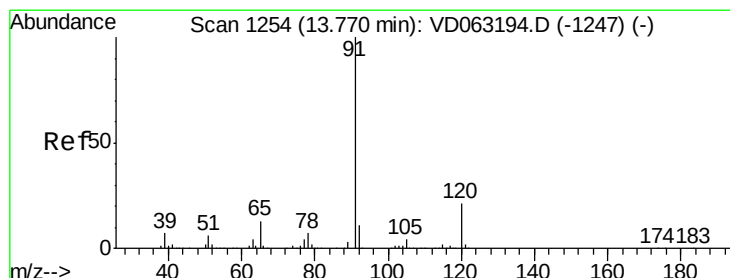
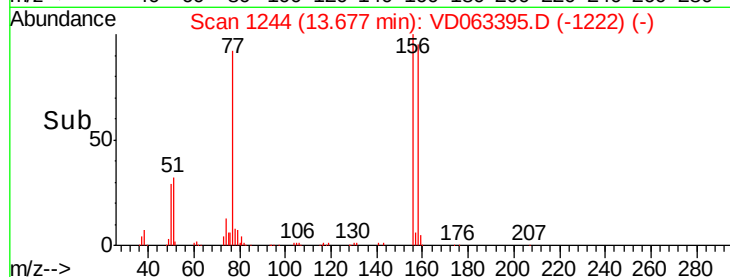
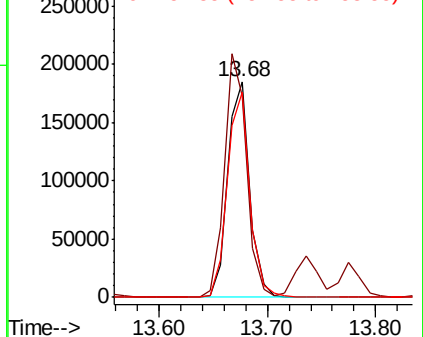
158 95.3 49.8 149.4



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: 18.964 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD063395.D

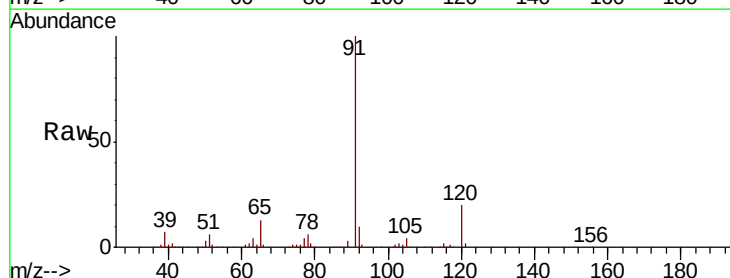
Acq: 6 Aug 2019 13:30

Tgt Ion: 91 Resp: 971762

Ion Ratio Lower Upper

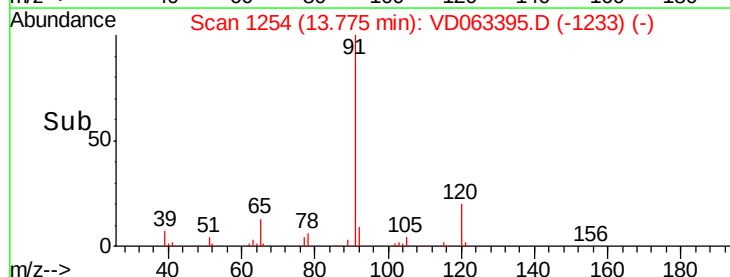
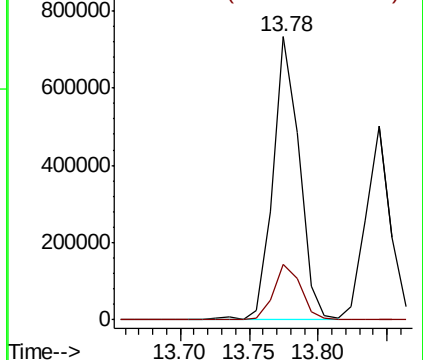
91 100

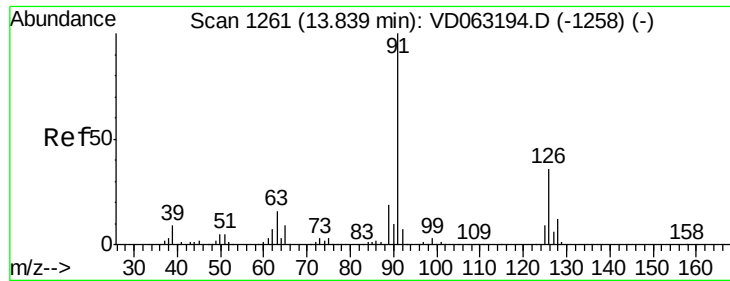
120 19.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.871 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

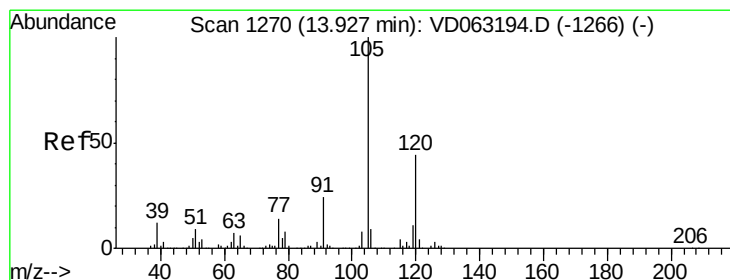
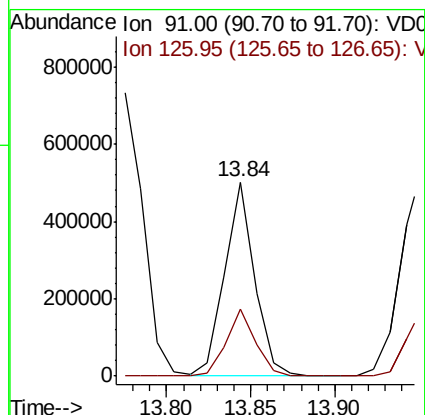
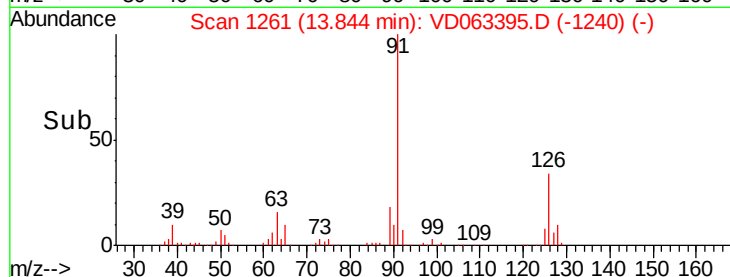
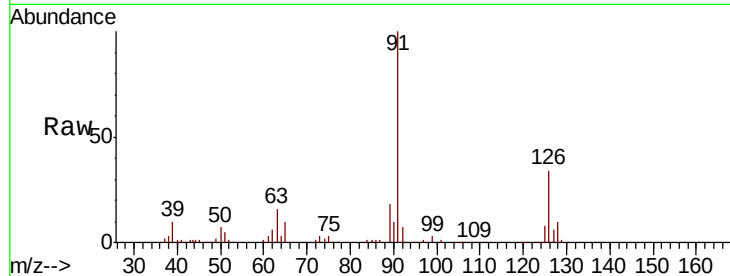
VD0806SBS01

Tgt Ion: 91 Resp: 619702

Ion Ratio Lower Upper

91 100

126 34.4 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 21.194 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD063395.D

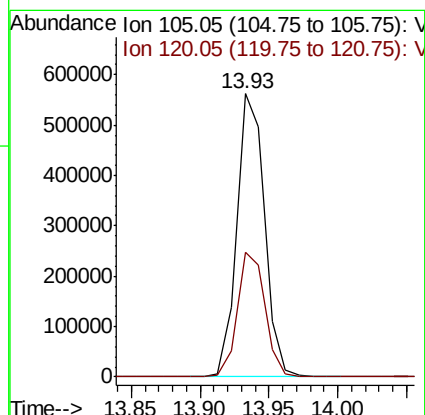
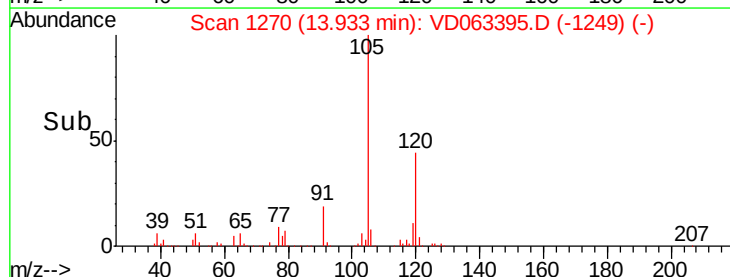
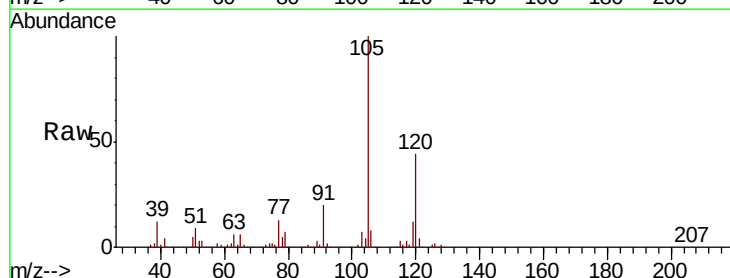
Acq: 6 Aug 2019 13:30

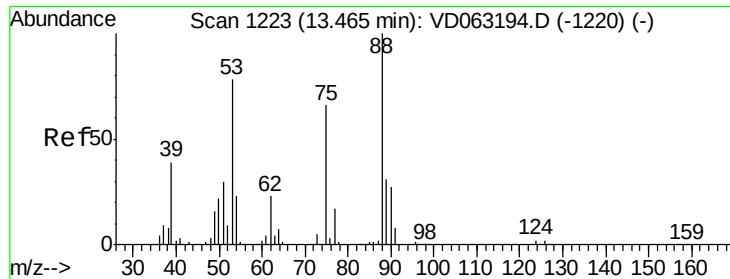
Tgt Ion: 105 Resp: 787132

Ion Ratio Lower Upper

105 100

120 43.9 22.1 66.1

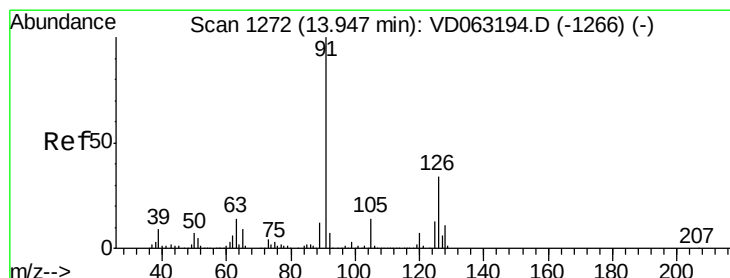
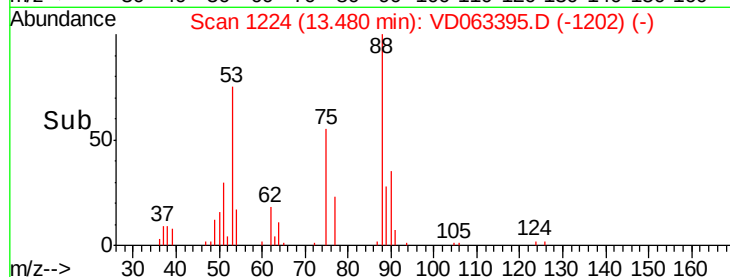
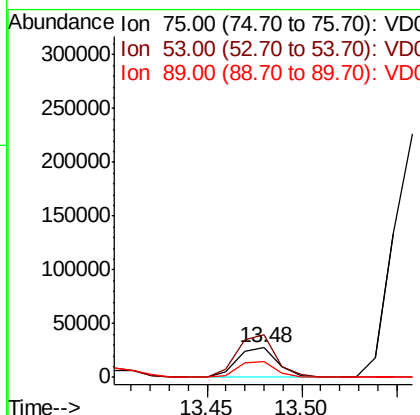
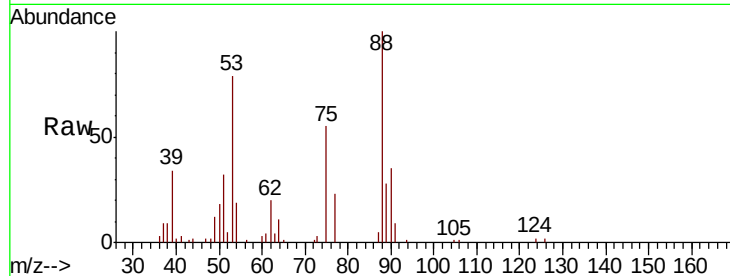




#81
 trans-1,4-Dichloro-2-butene
 Concen: 17.693 ug/l
 RT: 13.48 min Scan# 1224
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

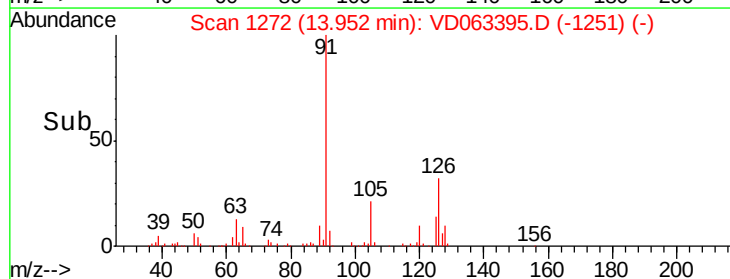
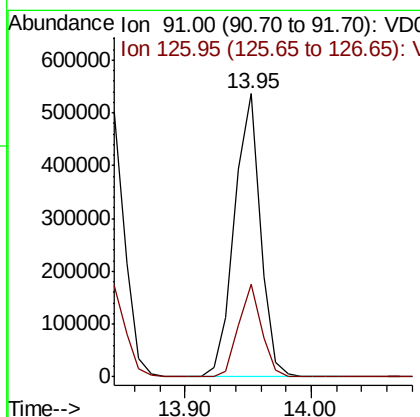
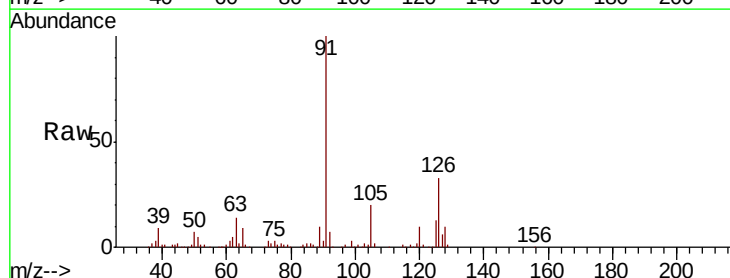
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

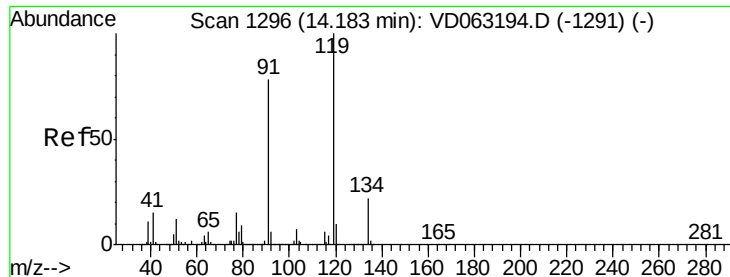
Tgt Ion: 75 Resp: 40487
 Ion Ratio Lower Upper
 75 100
 53 144.6 94.9 142.3#
 89 51.6 37.4 56.0



#82
 4-Chlorotoluene
 Concen: 21.703 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Tgt Ion: 91 Resp: 758358
 Ion Ratio Lower Upper
 91 100
 126 32.5 17.1 51.2

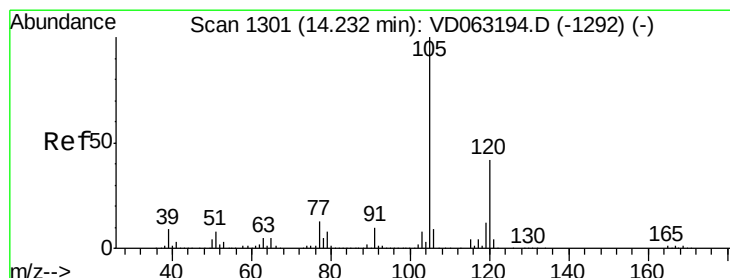
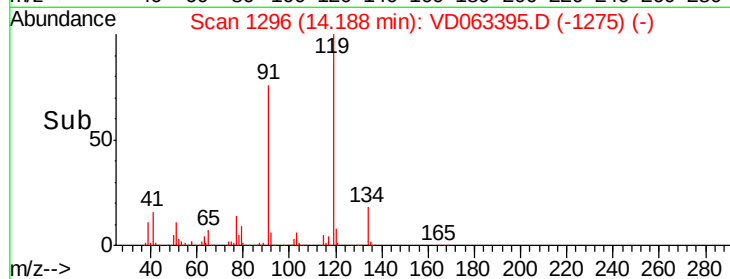
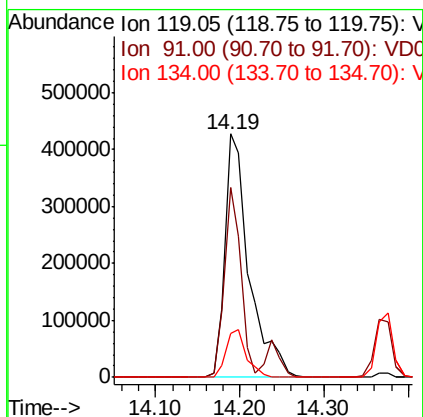
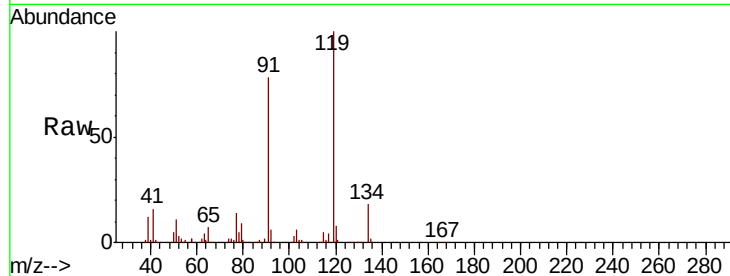




#83
 tert-Butylbenzene
 Concen: 20.108 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.01 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

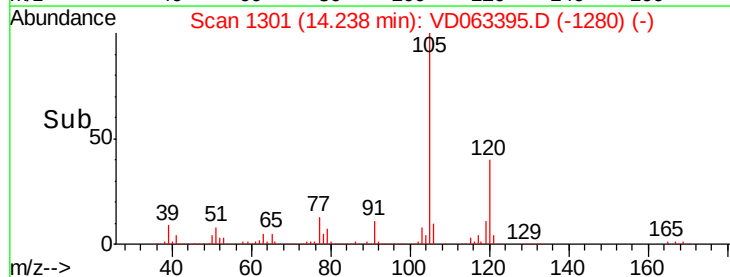
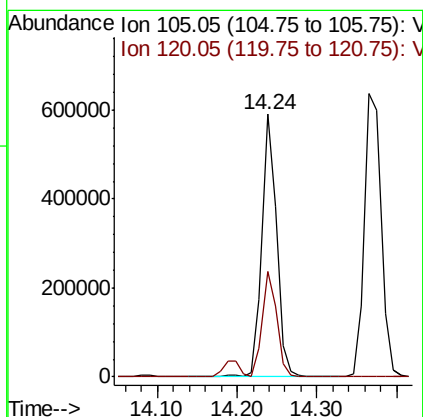
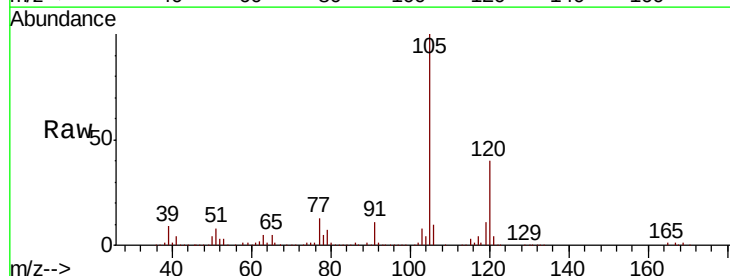
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

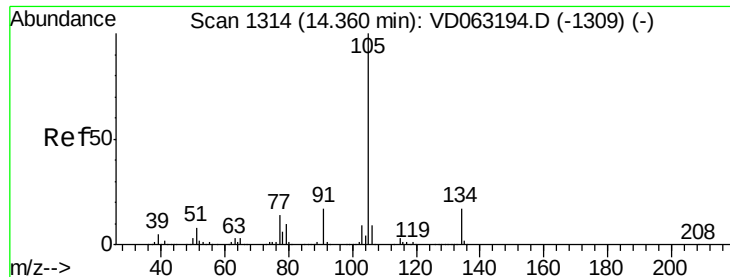
Tgt Ion:119 Resp: 852717
 Ion Ratio Lower Upper
 119 100
 91 77.8 39.1 117.5
 134 18.3 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.383 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Tgt Ion:105 Resp: 744573
 Ion Ratio Lower Upper
 105 100
 120 40.0 20.9 62.7





#85

sec-Butylbenzene

Concen: 20.827 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

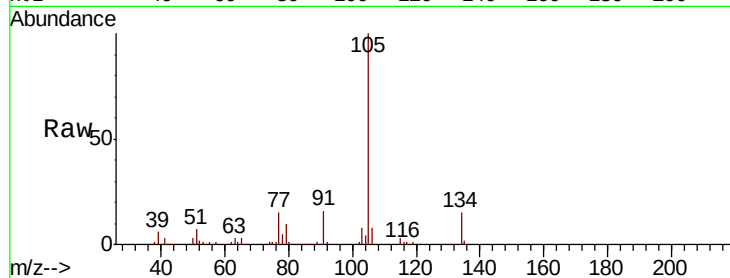
VD0806SBS01

Tgt Ion:105 Resp: 930532

Ion Ratio Lower Upper

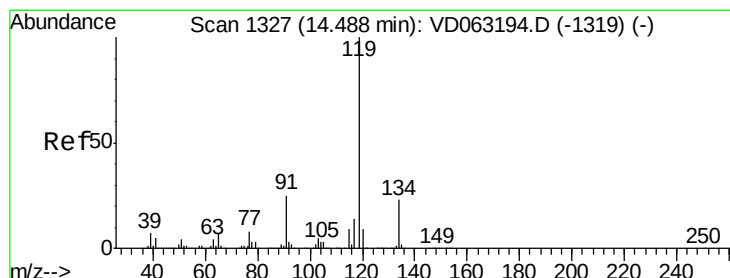
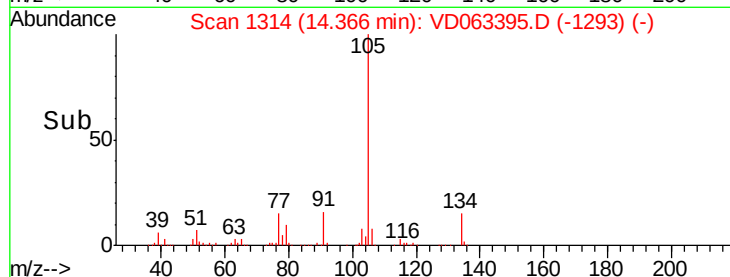
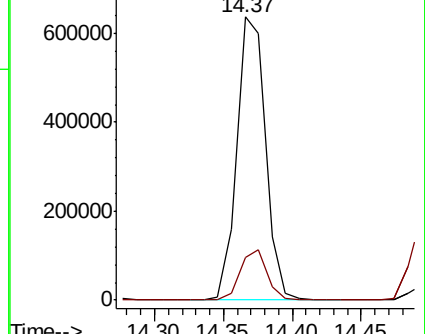
105 100

134 15.2 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.410 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

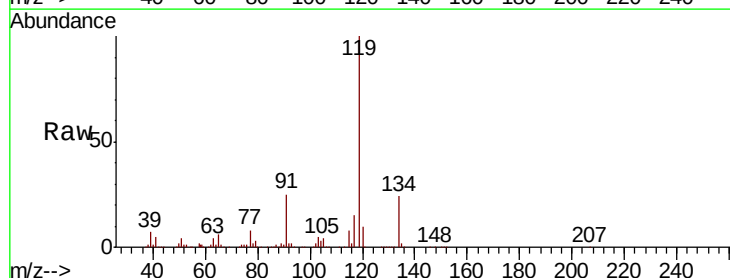
Tgt Ion:119 Resp: 912968

Ion Ratio Lower Upper

119 100

134 23.9 11.5 34.5

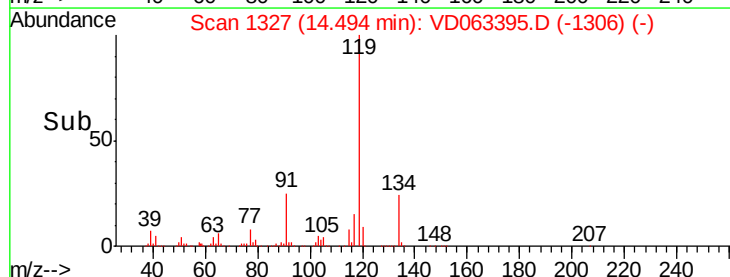
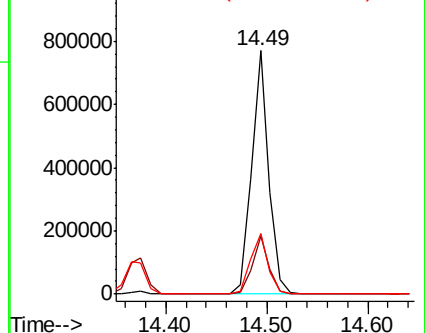
91 24.8 12.6 37.6

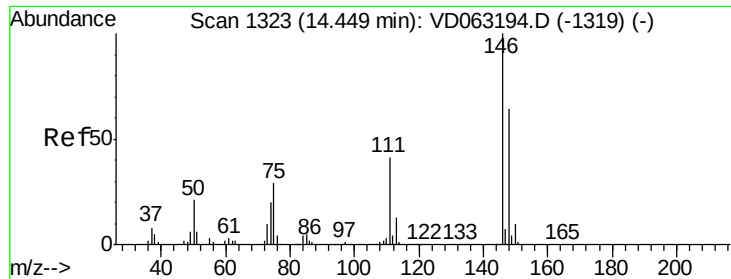


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

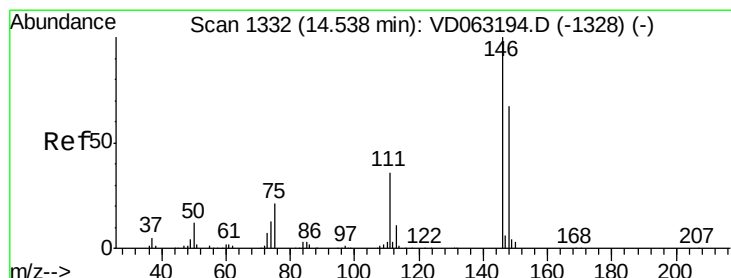
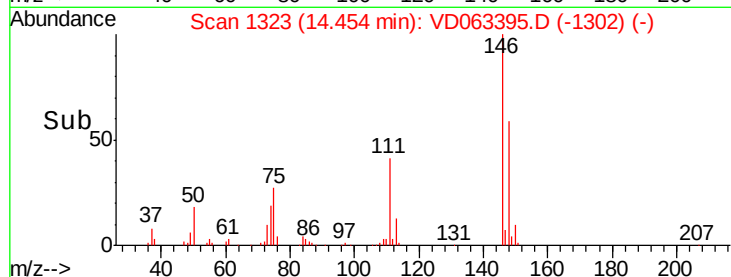
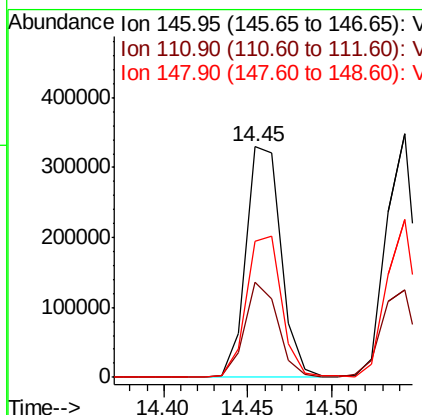
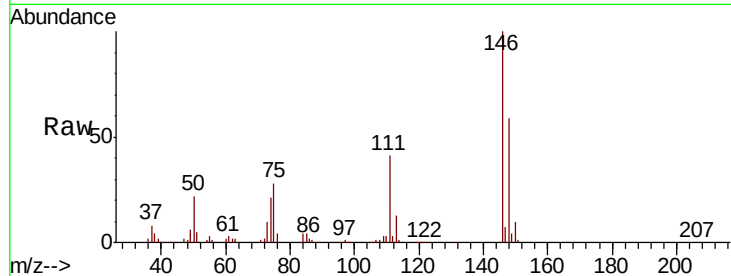




#87
 1,3-Dichlorobenzene
 Concen: 22.025 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

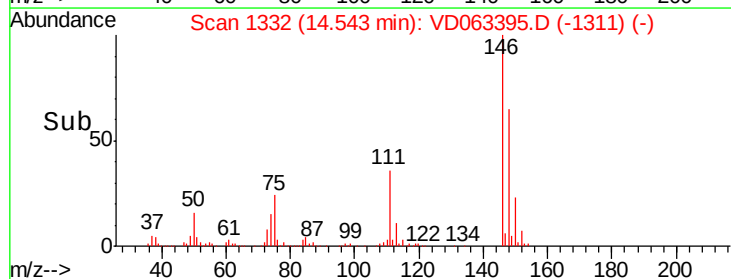
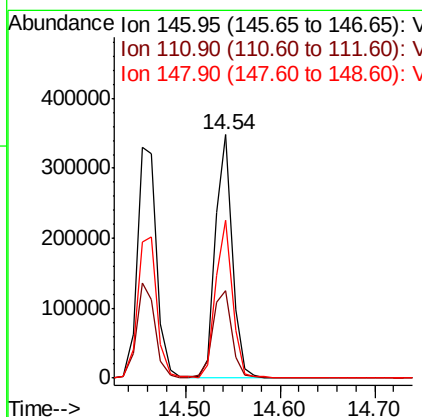
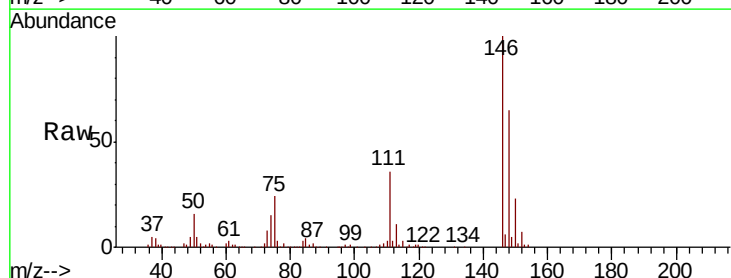
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

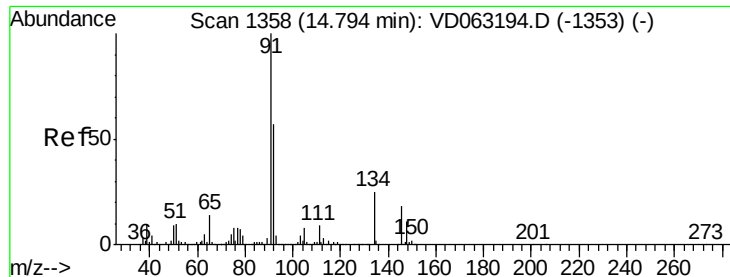
Tgt Ion:146 Resp: 478442
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.4 61.3
 148 58.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.738 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Tgt Ion:146 Resp: 433576
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.1 54.3
 148 64.9 33.4 100.1





#89

n-Butylbenzene

Concen: 21.525 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD063395.D

Acq: 6 Aug 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

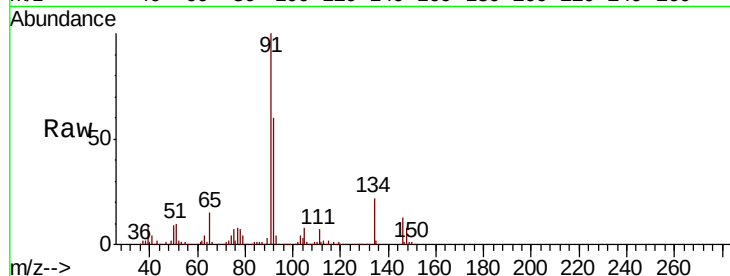
Tgt Ion: 91 Resp: 792779

Ion Ratio Lower Upper

91 100

92 60.2 28.3 85.0

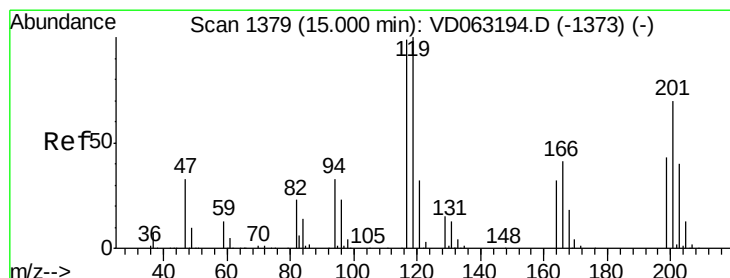
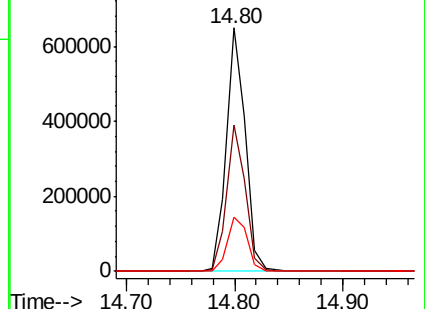
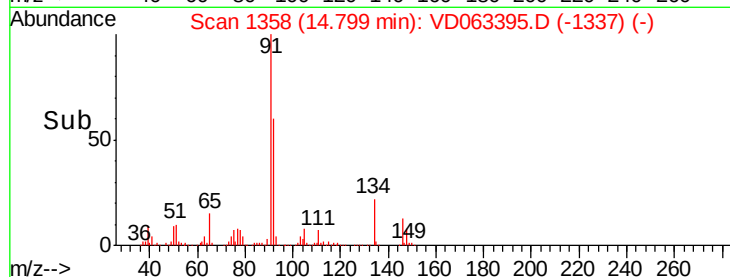
134 22.2 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.163 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. 0.01 min

Lab File: VD063395.D

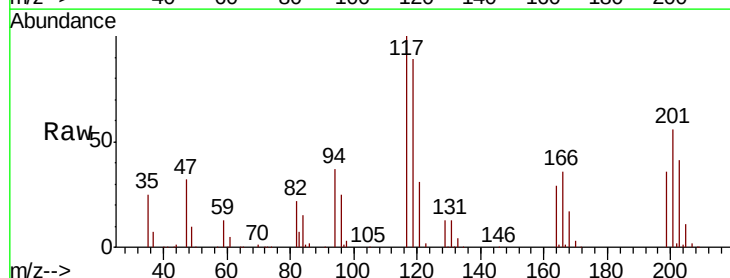
Acq: 6 Aug 2019 13:30

Tgt Ion: 117 Resp: 224011

Ion Ratio Lower Upper

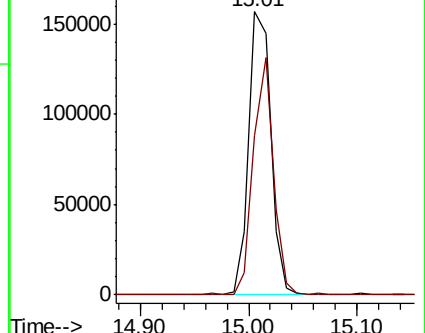
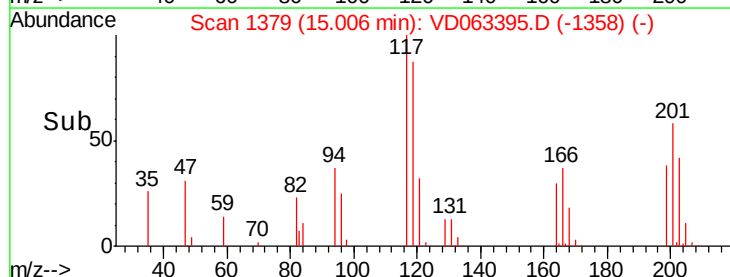
117 100

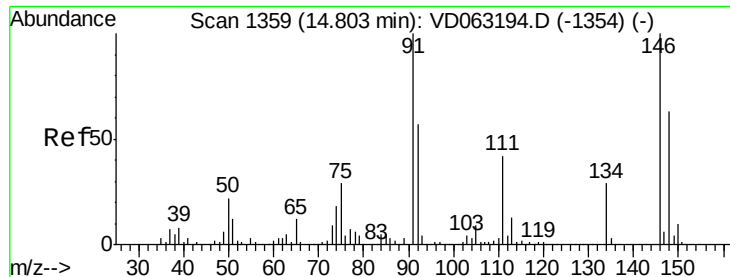
201 56.0 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

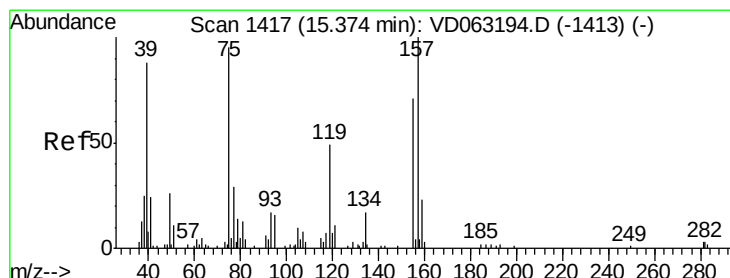
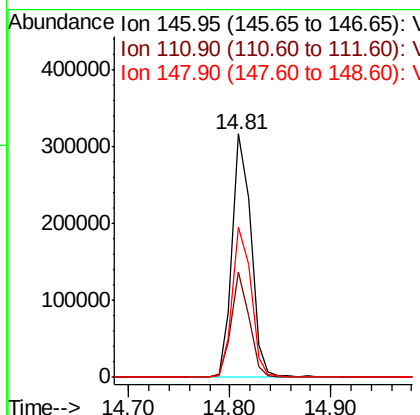
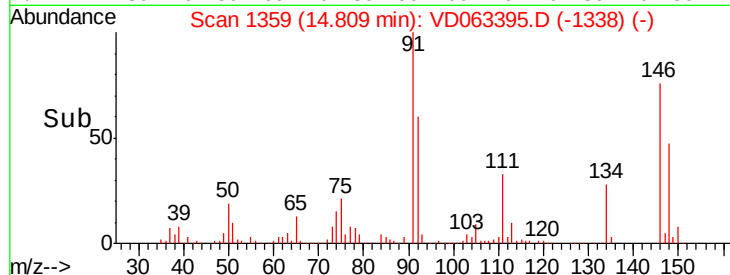
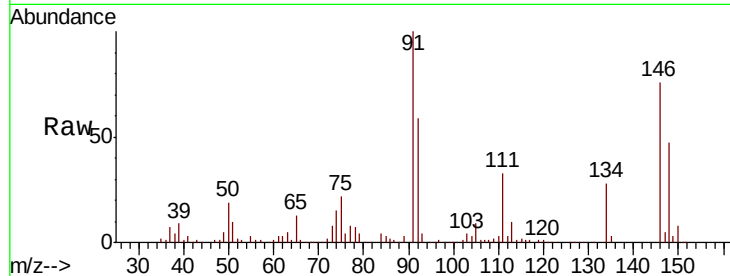




#91
 1,2-Dichlorobenzene
 Concen: 21.692 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

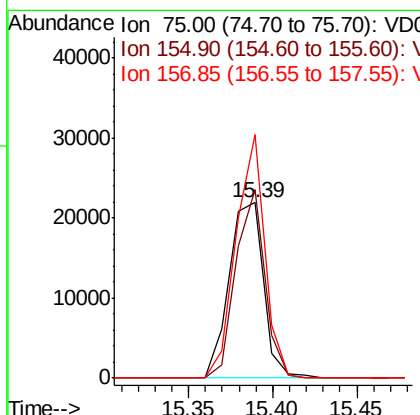
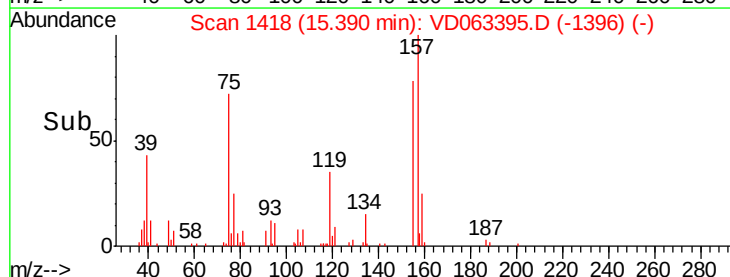
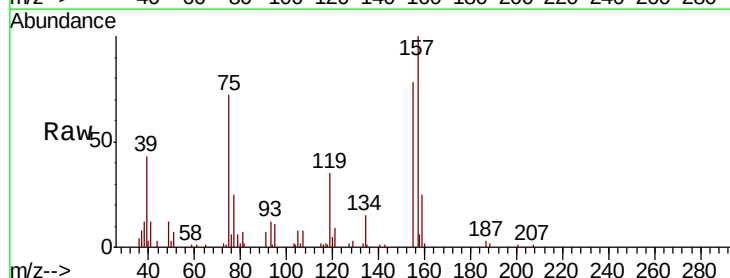
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

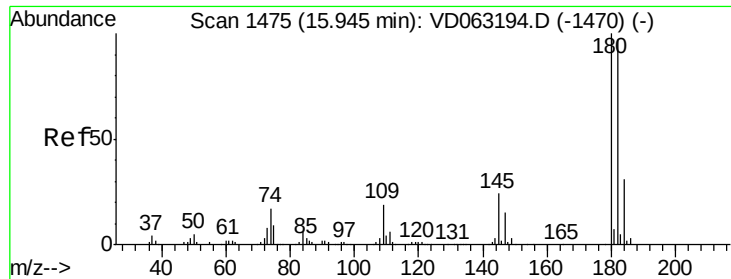
Tgt Ion: 146 Resp: 410557
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.1 63.3
 148 61.7 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.006 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Tgt Ion: 75 Resp: 31296
 Ion Ratio Lower Upper
 75 100
 155 107.8 37.0 111.0
 157 138.7 52.4 157.2

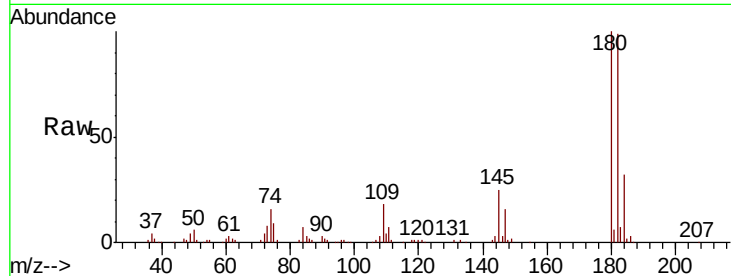




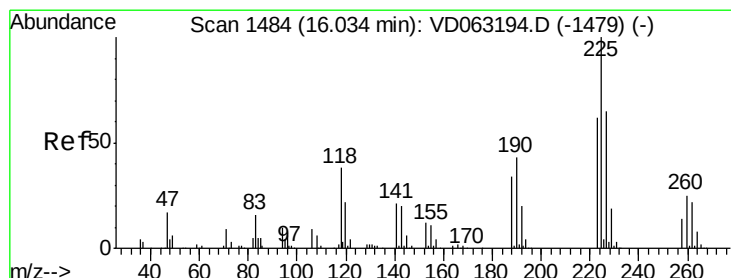
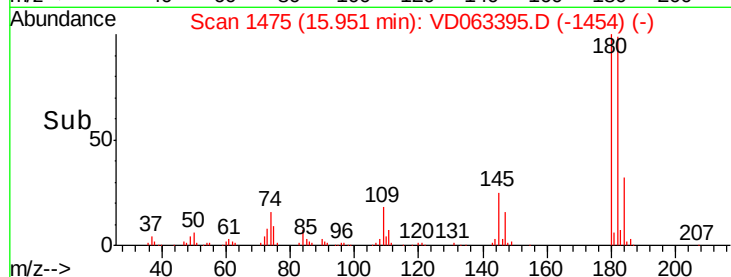
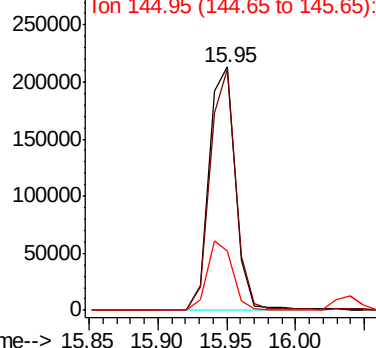
#93
 1,2,4-Trichlorobenzene
 Concen: 19.004 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tgt Ion:180 Resp: 285339
 Ion Ratio Lower Upper
 180 100
 182 99.0 48.6 145.8
 145 24.6 12.2 36.6

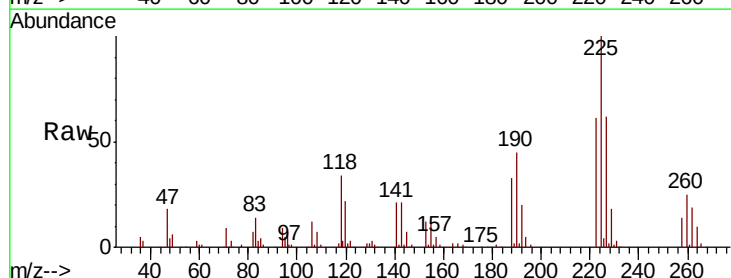


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

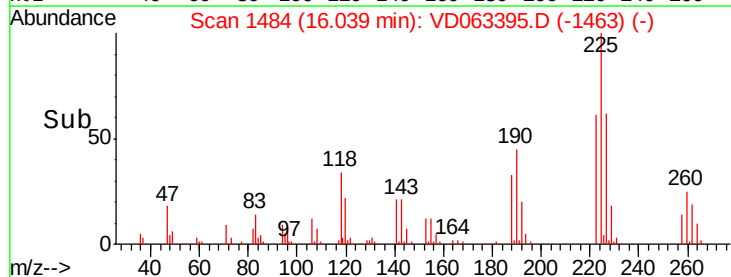
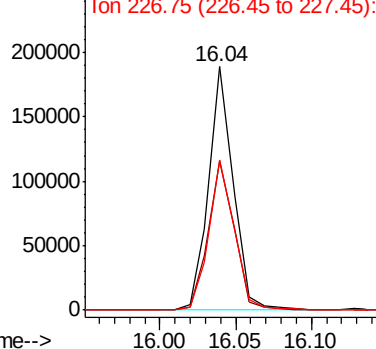


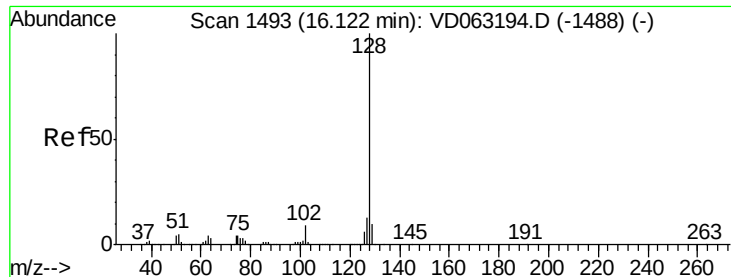
#94
 Hexachlorobutadiene
 Concen: 19.567 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD063395.D
 Acq: 6 Aug 2019 13:30

Tgt Ion:225 Resp: 212903
 Ion Ratio Lower Upper
 225 100
 223 61.0 30.9 92.5
 227 61.9 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

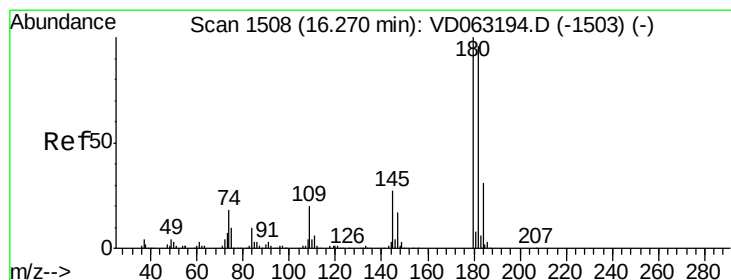
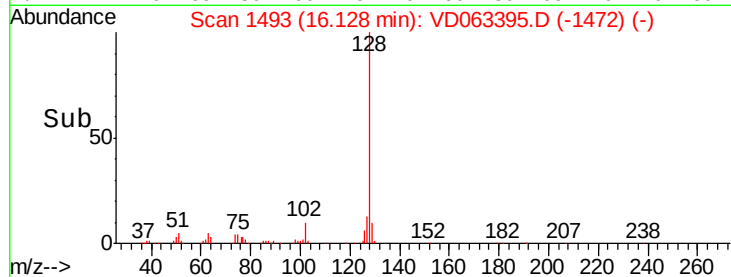
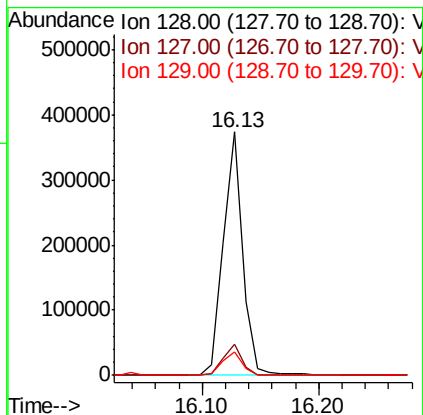
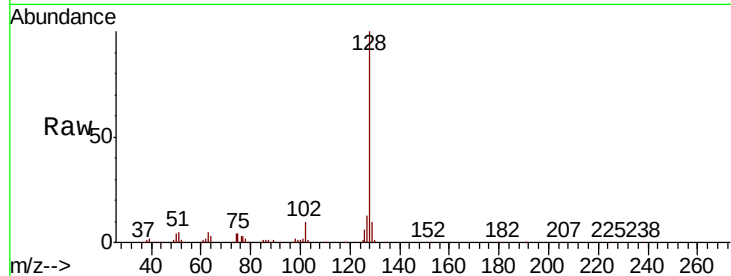




#95
Naphthalene
Concen: 20.340 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tgt Ion:128 Resp: 431644
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 9.7 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 18.703 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD063395.D
Acq: 6 Aug 2019 13:30

Tgt Ion:180 Resp: 221845
Ion Ratio Lower Upper
180 100
182 94.6 48.3 144.9
145 25.9 13.6 40.7

