

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD06351.D
 Acq On : 3 Aug 2019 8:42
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 03:46:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	852702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1169152	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1027490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	591635	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	531619	56.19	ug/l	0.01
Spiked Amount	50.000		Recovery	=	112.38%	
35) Dibromofluoromethane	6.92	113	556961	55.80	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.60%	
50) Toluene-d8	10.41	98	1290406	57.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.52%	
62) 4-Bromofluorobenzene	13.55	95	544594	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	516252	49.529	ug/l	99
3) Chloromethane	1.74	50	412042	50.881	ug/l	94
4) Vinyl Chloride	1.84	62	431965	51.526	ug/l	99
5) Bromomethane	2.15	94	238916	56.506	ug/l	99
6) Chloroethane	2.27	64	200411	51.778	ug/l	95
7) Trichlorofluoromethane	2.52	101	887385	54.562	ug/l	98
8) Diethyl Ether	2.87	74	119562	52.528	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	517691	57.463	ug/l	97
10) Methyl Iodide	3.30	142	706168	54.259	ug/l	96
11) Tert butyl alcohol	4.08	59	108560	261.453	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	365685	55.291	ug/l	90
13) Acrolein	3.02	56	77671	194.368	ug/l	100
14) Allyl chloride	3.62	41	566198	53.739	ug/l	90
15) Acrylonitrile	4.20	53	308396	286.484	ug/l	93
16) Acetone	3.22	43	456000	247.358	ug/l	97
17) Carbon Disulfide	3.37	76	1086996	49.102	ug/l	99
18) Methyl Acetate	3.63	43	232981	65.795	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	856539	57.333	ug/l	99
20) Methylene Chloride	3.81	84	388484	52.135	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	402028	54.174	ug/l	94
22) Diisopropyl ether	5.12	45	1192685	56.659	ug/l	100
23) Vinyl Acetate	5.05	43	3521605	272.159	ug/l	100
24) 1,1-Dichloroethane	4.98	63	797692	59.327	ug/l	100
25) 2-Butanone	6.07	43	521383	281.815	ug/l #	88
26) 2,2-Dichloropropane	6.02	77	700165	50.530	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	466320	58.609	ug/l	89
28) Bromochloromethane	6.43	49	301014	56.189	ug/l #	93
29) Tetrahydrofuran	6.46	42	238150	271.885	ug/l	98
30) Chloroform	6.66	83	1007005	60.349	ug/l	98
31) Cyclohexane	6.94	56	415785	49.334	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	969948	60.095	ug/l	97
36) 1,1-Dichloropropene	7.14	75	589844	55.281	ug/l	98
37) Ethyl Acetate	6.18	43	258916	54.013	ug/l	96
38) Carbon Tetrachloride	7.11	117	974240	60.650	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	477407	53.702	ug/l	98
40) Benzene	7.45	78	1293816	57.857	ug/l	97
41) Methacrylonitrile	6.44	41	348093	60.706	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	724810	61.157	ug/l	100
43) Isopropyl Acetate	9.24	43	357533	58.389	ug/l	95
44) Trichloroethene	8.54	130	508328	56.098	ug/l	88
45) 1,2-Dichloropropane	8.94	63	303106	53.327	ug/l	97
46) Dibromomethane	9.06	93	281327	59.526	ug/l	96
47) Bromodichloromethane	9.37	83	718654	59.653	ug/l	98
48) Methyl methacrylate	9.12	41	246605	62.096	ug/l	95
49) 1,4-Dioxane	9.08	88	40585	1207.240	ug/l	90
51) 4-Methyl-2-Pentanone	10.30	43	1295089	310.993	ug/l	99
52) Toluene	10.51	92	871586	58.601	ug/l	92
53) t-1,3-Dichloropropene	10.91	75	571922	55.064	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	616273	56.457	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	311936	62.099	ug/l	95
56) Ethyl methacrylate	11.04	69	360031	65.454	ug/l	95
57) 1,3-Dichloropropane	11.40	76	493049	62.297	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	692767	242.045	ug/l	97
59) 2-Hexanone	11.53	43	903942	301.212	ug/l	98
60) Dibromochloromethane	11.68	129	585951	61.790	ug/l	99
61) 1,2-Dibromoethane	11.81	107	390763	63.043	ug/l	97
64) Tetrachloroethene	11.25	164	515578	62.986	ug/l	98
65) Chlorobenzene	12.40	112	1063092	53.791	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	524976	60.304	ug/l	93
67) Ethyl Benzene	12.52	91	1942247	57.851	ug/l	99
68) m/p-Xylenes	12.66	106	1316894	106.957	ug/l	92
69) o-Xylene	13.05	106	685220	60.604	ug/l	95
70) Styrene	13.07	104	1167479	58.225	ug/l	94
71) Bromoform	13.23	173	385418	60.880	ug/l	99
73) Isopropylbenzene	13.40	105	2053217	55.294	ug/l	99
74) N-amyl acetate	13.26	43	499322	50.866	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	354585	56.216	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	390924	55.011	ug/l	97
77) Bromobenzene	13.67	156	578508	54.690	ug/l	94
78) n-propylbenzene	13.77	91	2344503	53.056	ug/l	100
79) 2-Chlorotoluene	13.83	91	1323340	51.684	ug/l	90
80) 1,3,5-Trimethylbenzene	13.93	105	1657112	51.741	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	98192	49.761	ug/l	93
82) 4-Chlorotoluene	13.94	91	1634523	54.243	ug/l	92
83) tert-Butylbenzene	14.19	119	1773094	48.487	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1706041	51.500	ug/l	99
85) sec-Butylbenzene	14.37	105	2027347	52.620	ug/l	99
86) p-Isopropyltoluene	14.48	119	1833963	49.872	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	990376	52.868	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	998672	52.720	ug/l	95
89) n-Butylbenzene	14.80	91	1752115	55.166	ug/l	97
90) Hexachloroethane	15.01	117	492257	51.380	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	936946	57.405	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	72004	56.043	ug/l	82

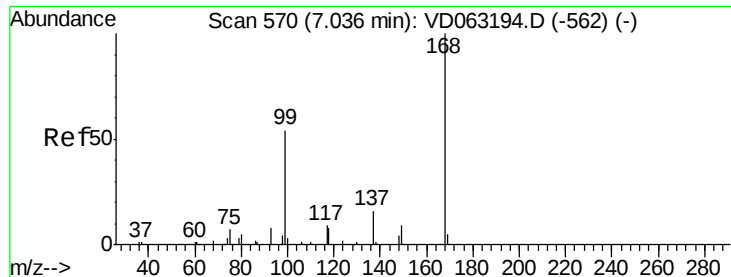
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	637828	49.261	ug/l	98
94) Hexachlorobutadiene	16.04	225	467222	49.794	ug/l	98
95) Naphthalene	16.12	128	993063	54.264	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	537965	52.593	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

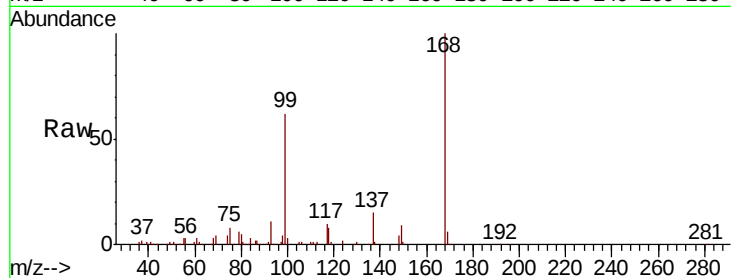
ClientSampleId :

Tgt Ion:168 Resp: 852702

Ion Ratio Lower Upper

168 100

99 62.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

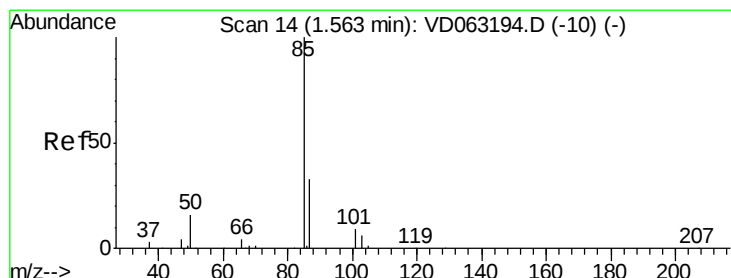
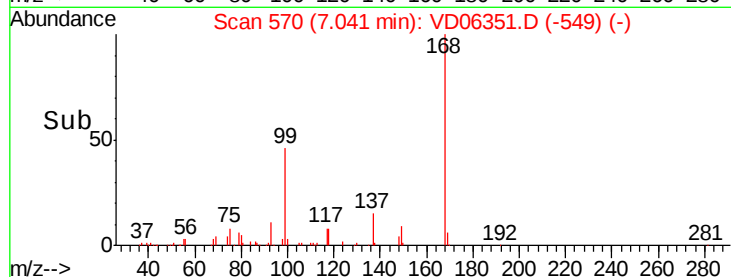
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.529 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD06351.D

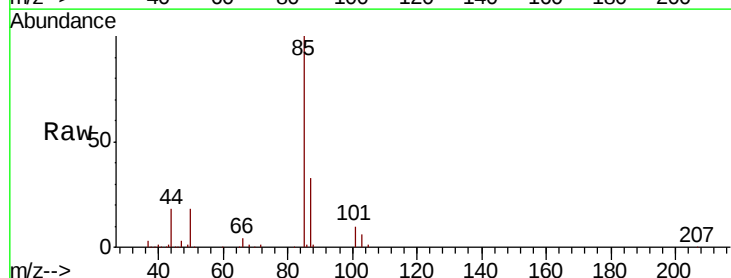
Acq: 3 Aug 2019 8:42

Tgt Ion: 85 Resp: 516252

Ion Ratio Lower Upper

85 100

87 32.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

250000

200000

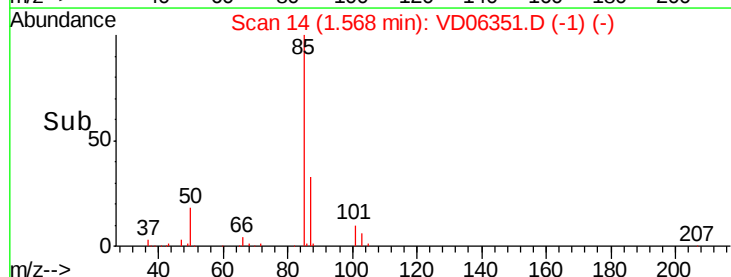
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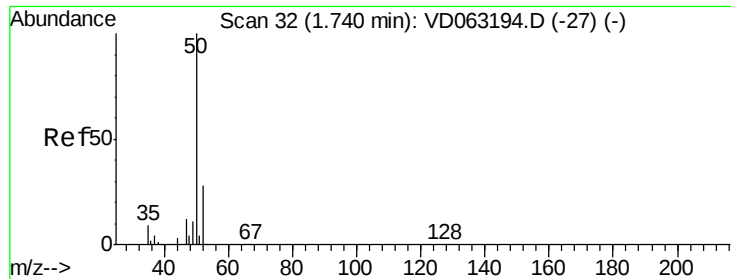
100000

50000

0

Time-->





#3

Chloromethane

Concen: 50.881 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

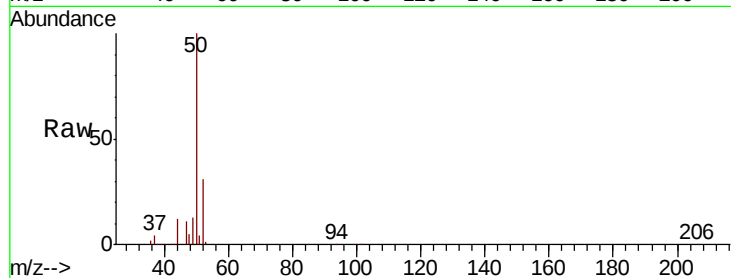
ClientSampleId :

Tgt Ion: 50 Resp: 412042

Ion Ratio Lower Upper

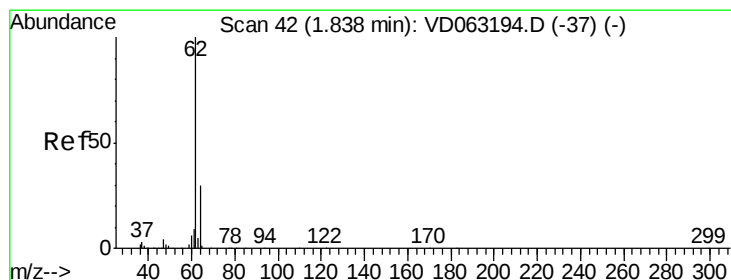
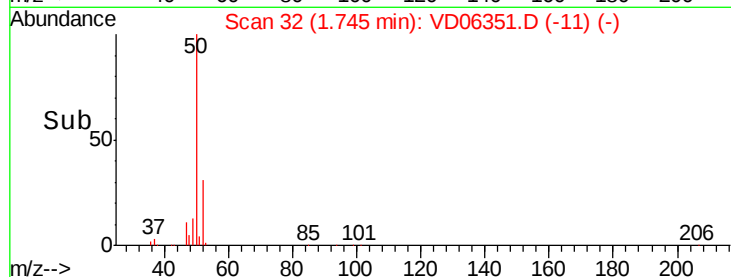
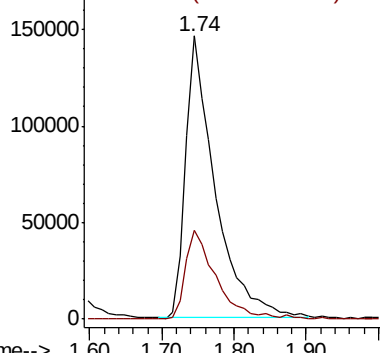
50 100

52 31.3 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: 51.526 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD06351.D

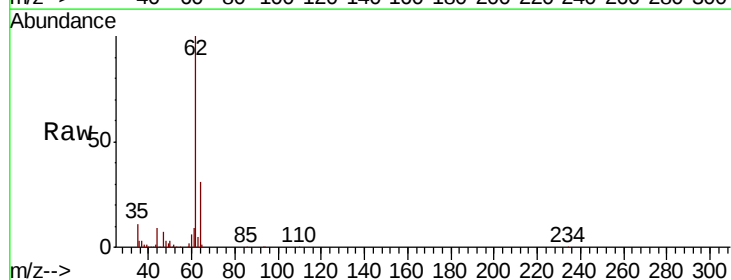
Acq: 3 Aug 2019 8:42

Tgt Ion: 62 Resp: 431965

Ion Ratio Lower Upper

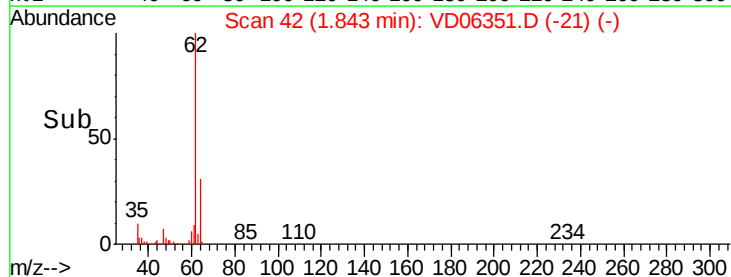
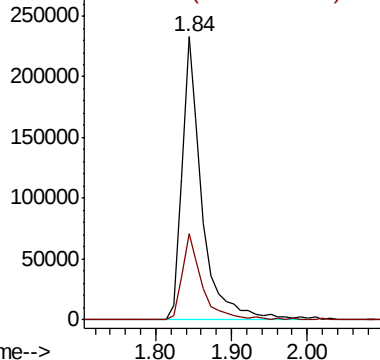
62 100

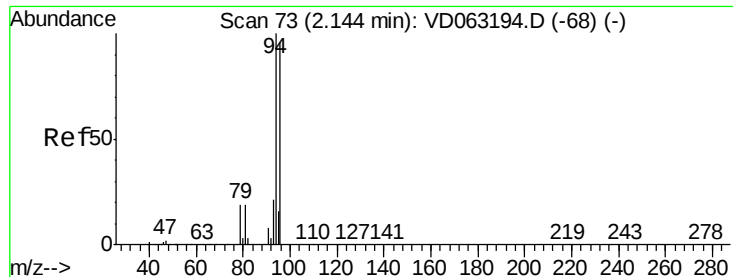
64 30.5 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 56.506 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :
MSVOA_D
ClientSampleId :

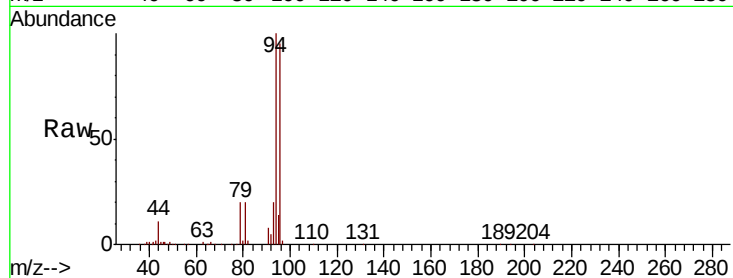
Tgt Ion: 94 Resp: 238916

Ion Ratio Lower Upper

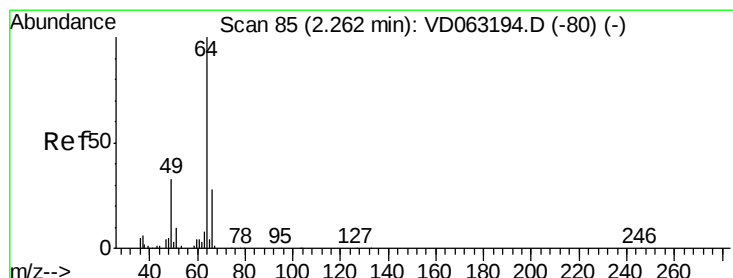
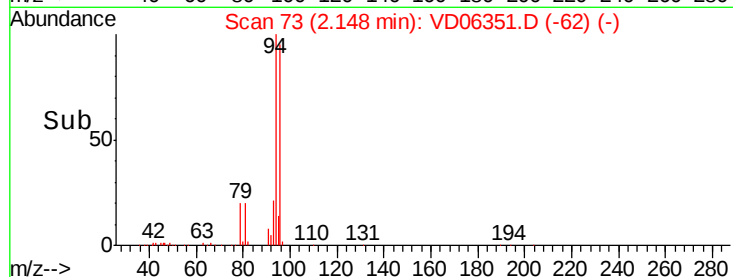
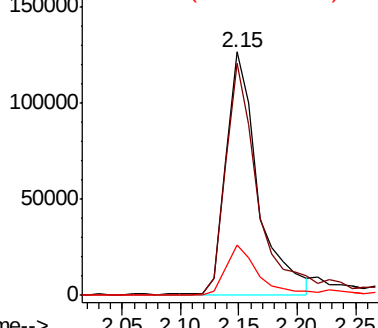
94 100

96 95.1 76.4 114.6

93 20.5 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: 51.778 ug/l

RT: 2.27 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD06351.D

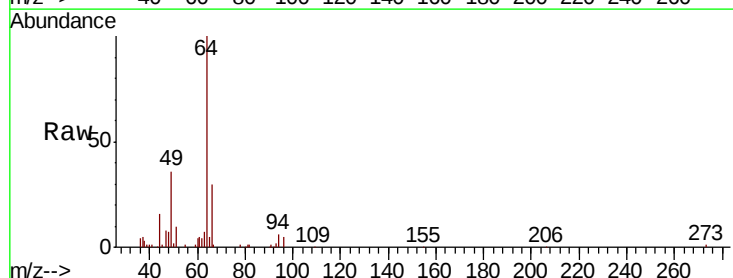
Acq: 3 Aug 2019 8:42

Tgt Ion: 64 Resp: 200411

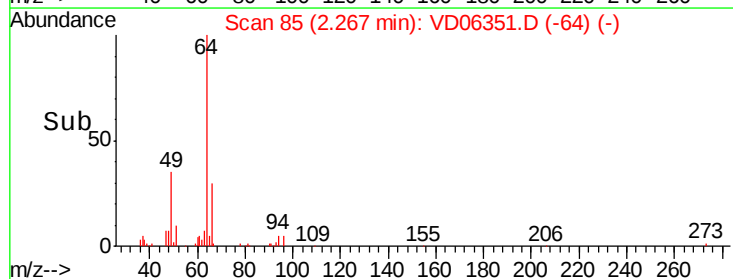
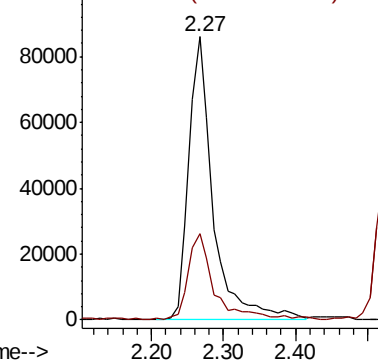
Ion Ratio Lower Upper

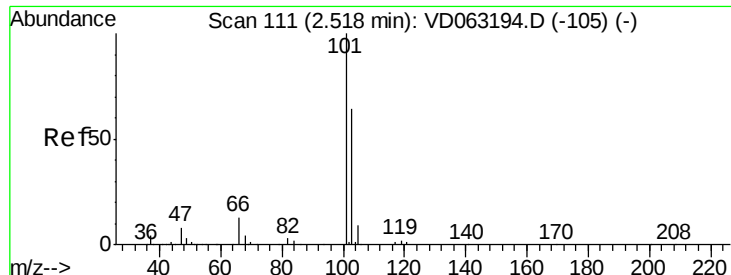
64 100

66 30.5 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: 54.562 ug/l

RT: 2.52 min Scan# 111

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

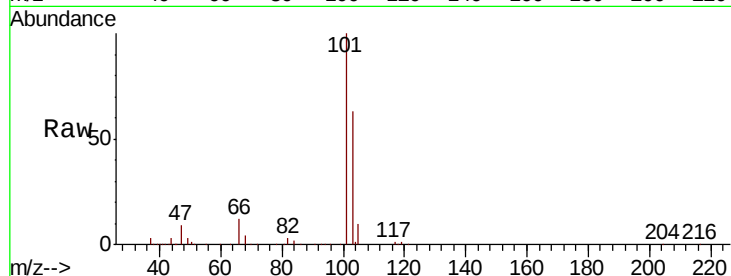
ClientSampleId :

Tgt Ion:101 Resp: 887385

Ion Ratio Lower Upper

101 100

103 63.2 51.5 77.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.52

400000

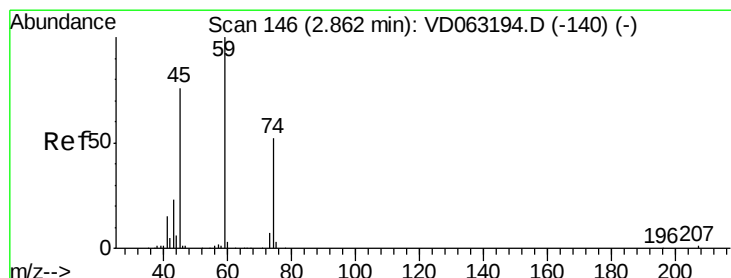
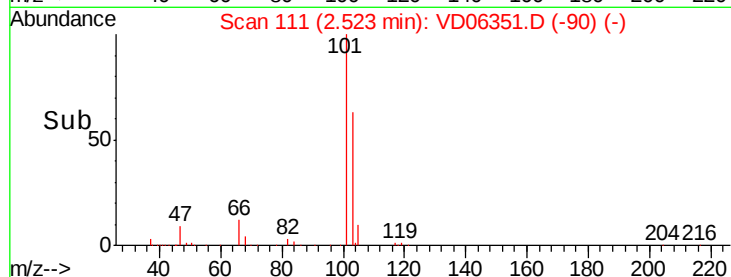
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 52.528 ug/l

RT: 2.87 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD06351.D

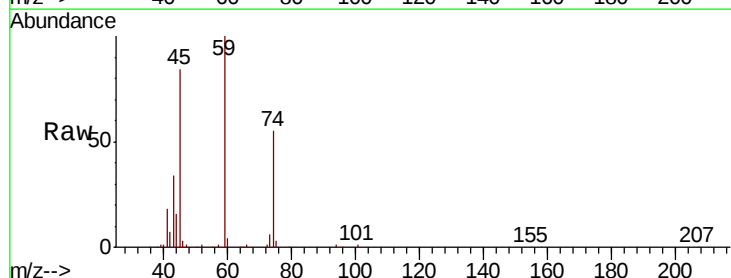
Acq: 3 Aug 2019 8:42

Tgt Ion: 74 Resp: 119562

Ion Ratio Lower Upper

74 100

45 151.7 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

100000

80000

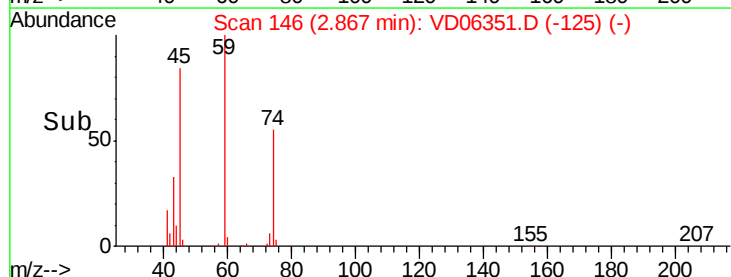
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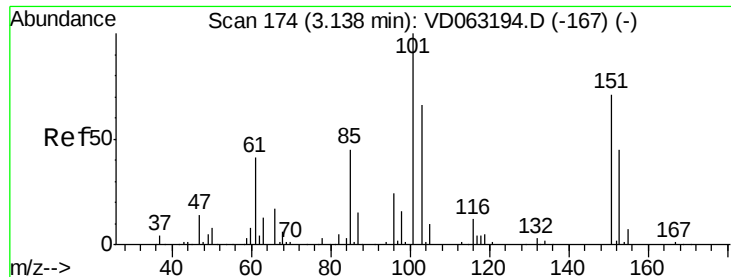
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.463 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampled :

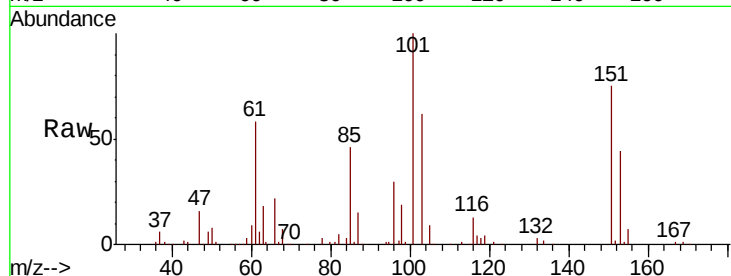
Tgt Ion:101 Resp: 517691

Ion Ratio Lower Upper

101 100

85 45.8 36.1 54.1

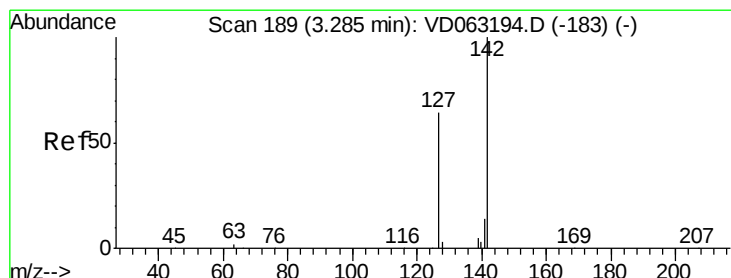
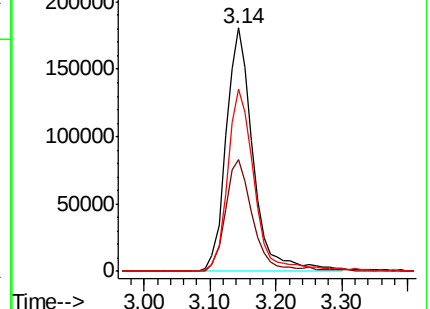
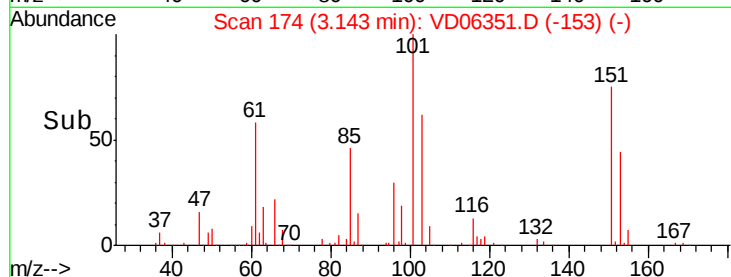
151 74.6 57.1 85.7



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: 54.259 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

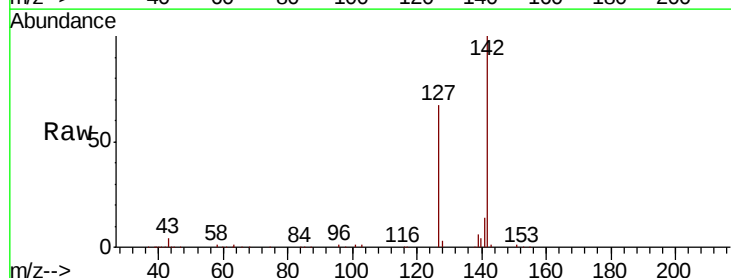
Tgt Ion:142 Resp: 706168

Ion Ratio Lower Upper

142 100

127 66.7 50.8 76.2

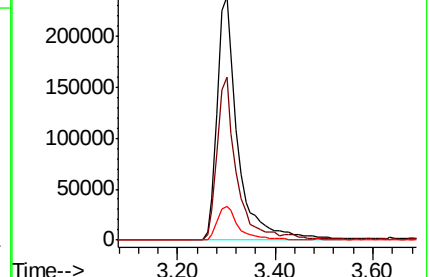
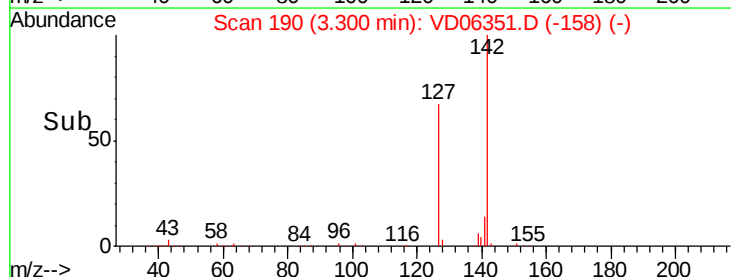
141 13.8 11.4 17.2

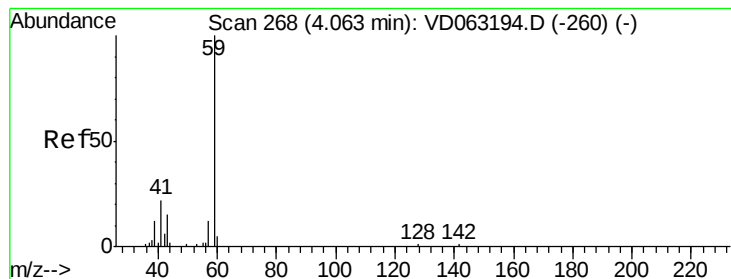


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



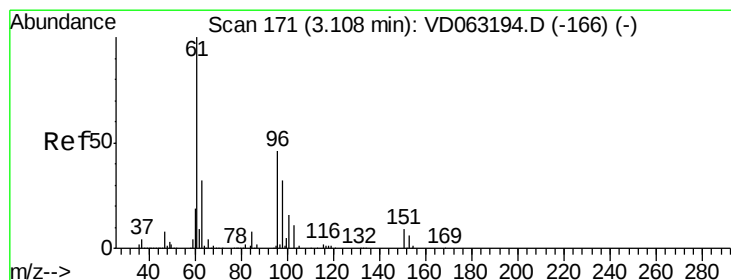
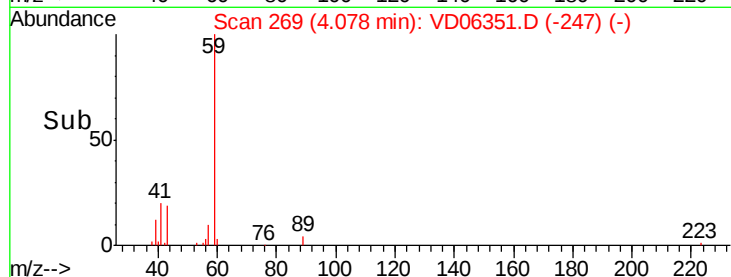
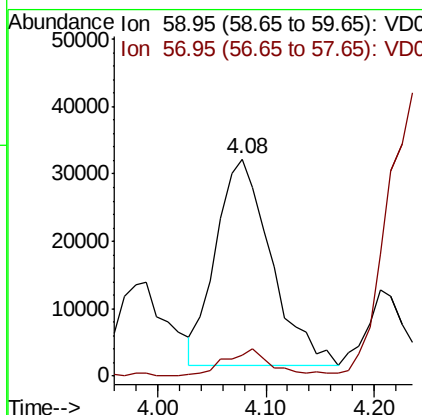
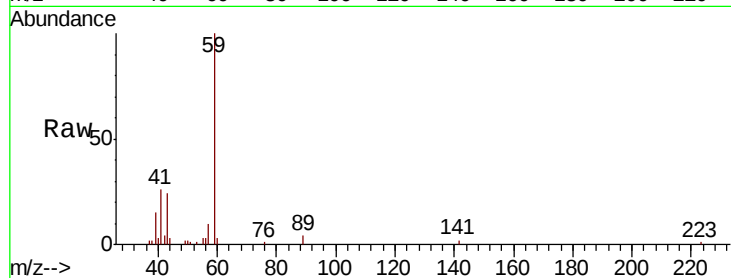


#11

Tert butyl alcohol
 Concen: 261.453 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Instrument :
 MSVOA_D
 ClientSampleId :

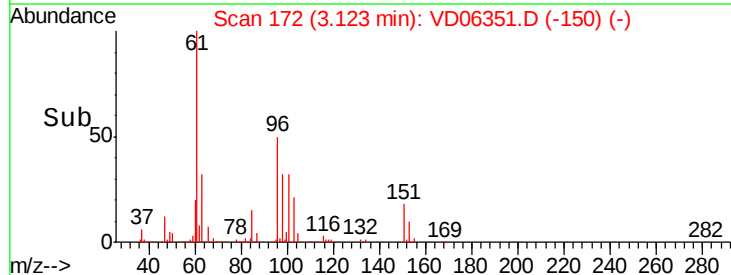
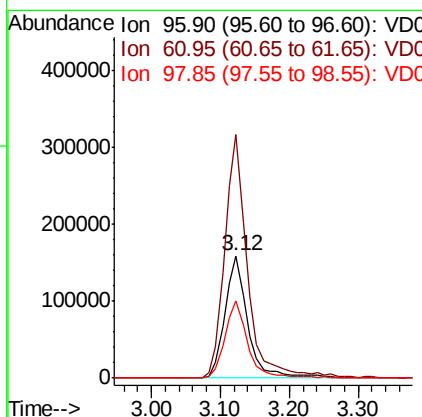
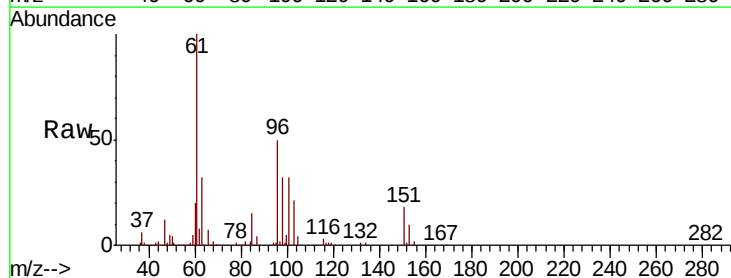
Tgt Ion: 59 Resp: 108560
 Ion Ratio Lower Upper
 59 100
 57 9.6 9.6 14.4#

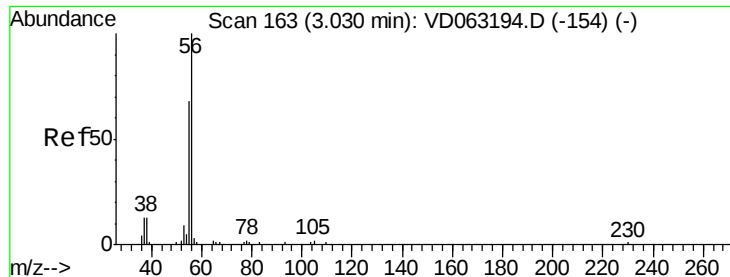


#12

1,1-Dichloroethene
 Concen: 55.291 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion: 96 Resp: 365685
 Ion Ratio Lower Upper
 96 100
 61 199.3 173.7 260.5
 98 63.0 55.8 83.8





#13

Acrolein

Concen: 194.368 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

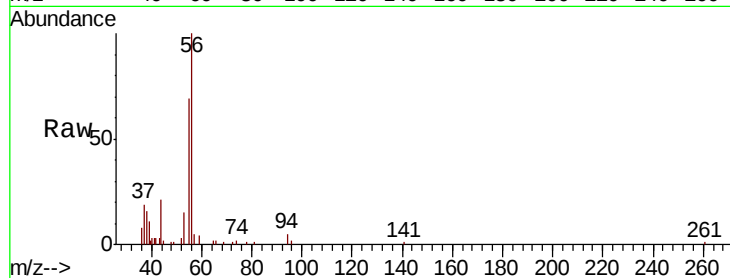
ClientSampleId :

Tgt Ion: 56 Resp: 77671

Ion Ratio Lower Upper

56 100

55 69.3 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

25000

20000

15000

10000

5000

0

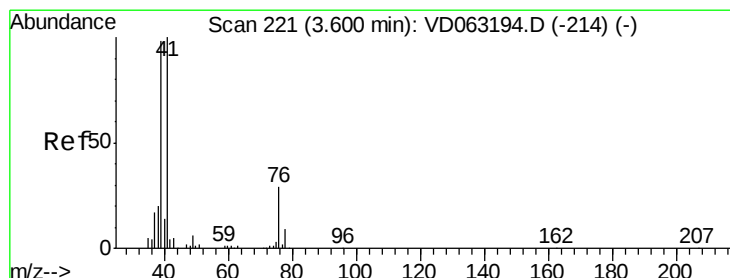
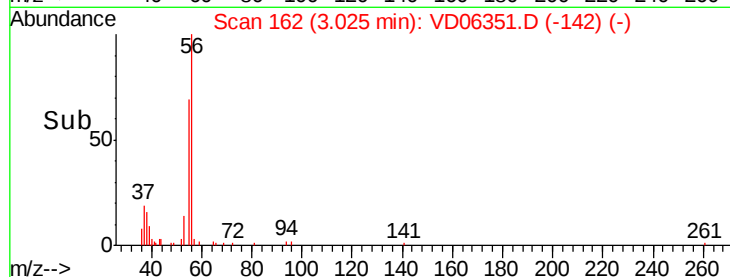
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 53.739 ug/l

RT: 3.62 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

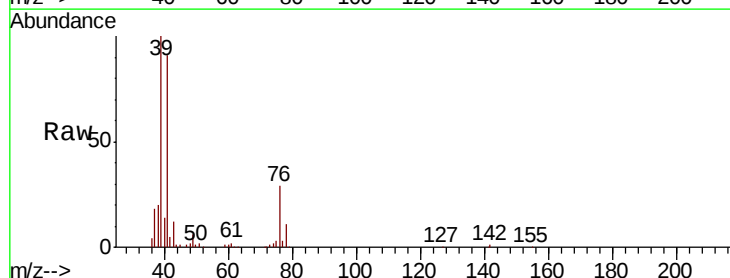
Tgt Ion: 41 Resp: 566198

Ion Ratio Lower Upper

41 100

39 110.0 78.6 117.8

76 31.8 24.5 36.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.62

250000

200000

150000

100000

50000

0

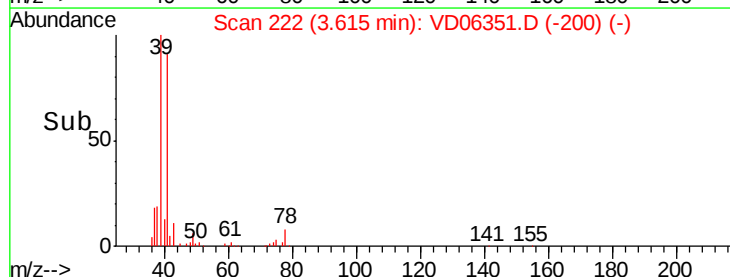
Time-->

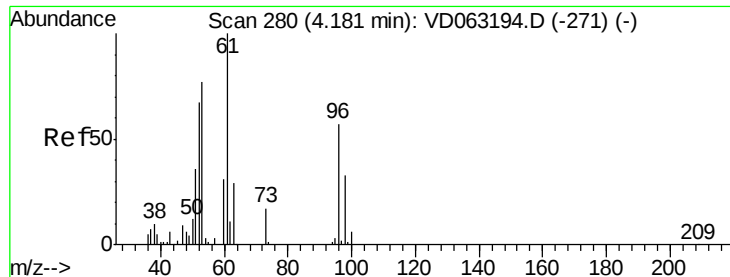
3.50

3.60

3.70

3.80

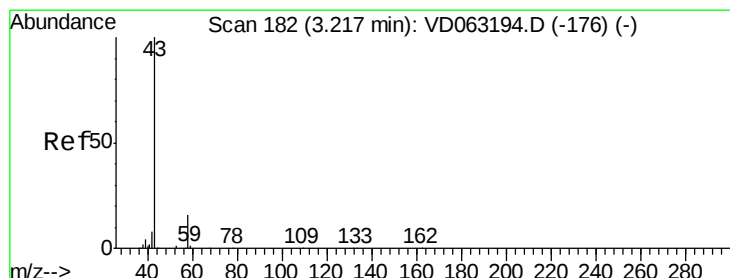
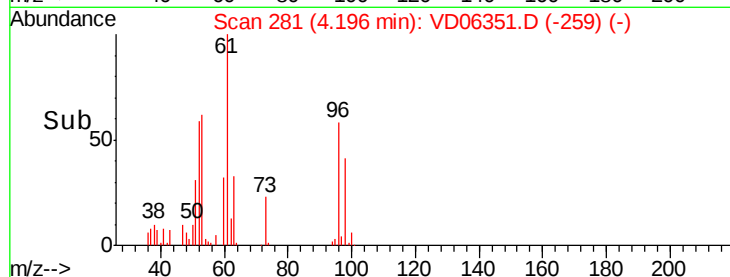
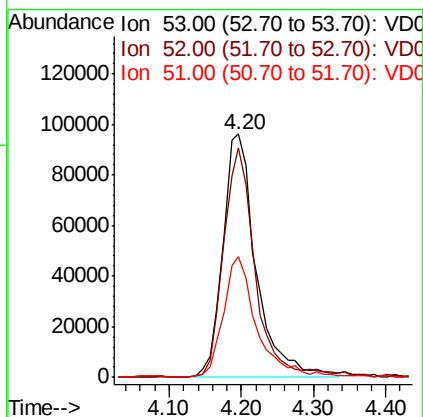
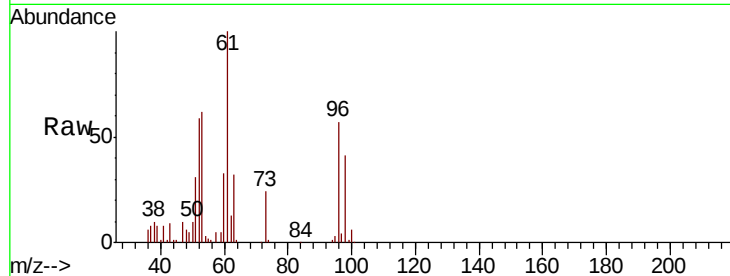




#15
 Acrylonitrile
 Concen: 286.484 ug/l
 RT: 4.20 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

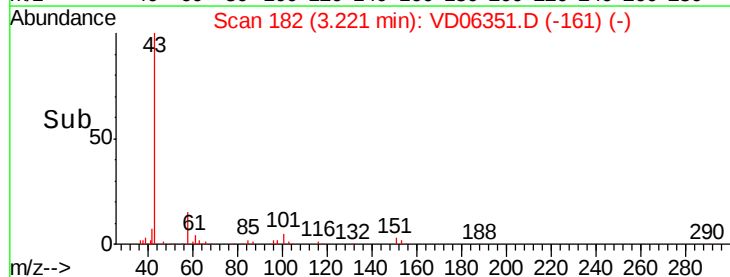
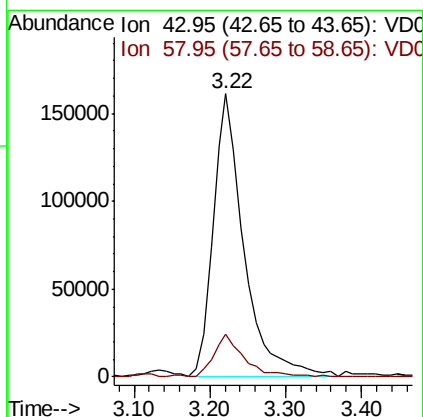
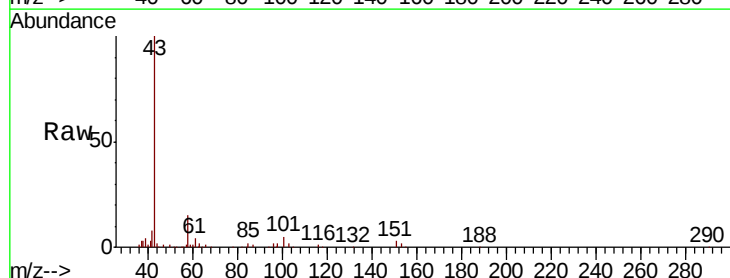
Instrument :
 MSVOA_D
 ClientSampleId :

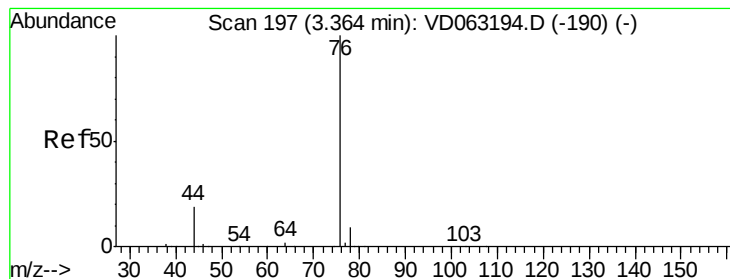
Tgt Ion: 53 Resp: 308396
 Ion Ratio Lower Upper
 53 100
 52 94.4 69.7 104.5
 51 49.7 37.4 56.0



#16
 Acetone
 Concen: 247.358 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion: 43 Resp: 456000
 Ion Ratio Lower Upper
 43 100
 58 15.1 13.0 19.4





#17

Carbon Disulfide

Concen: 49.102 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

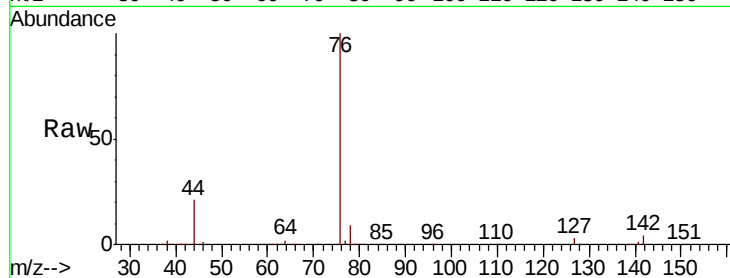
ClientSampleId :

Tgt Ion: 76 Resp: 1086996

Ion Ratio Lower Upper

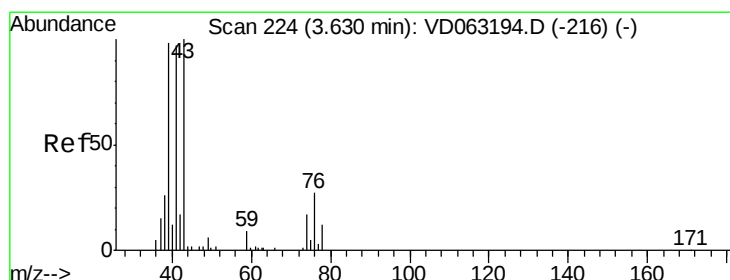
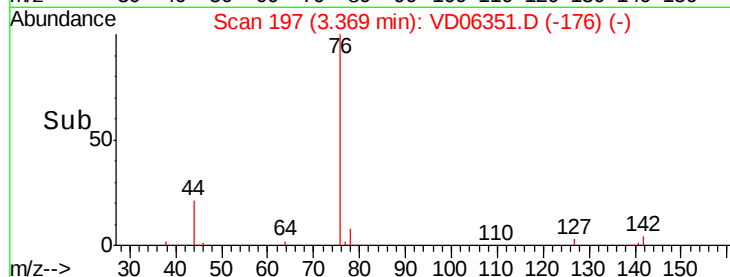
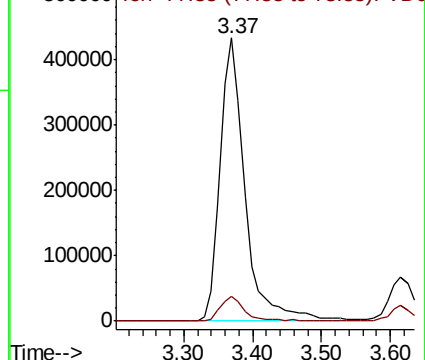
76 100

78 8.9 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 65.795 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD06351.D

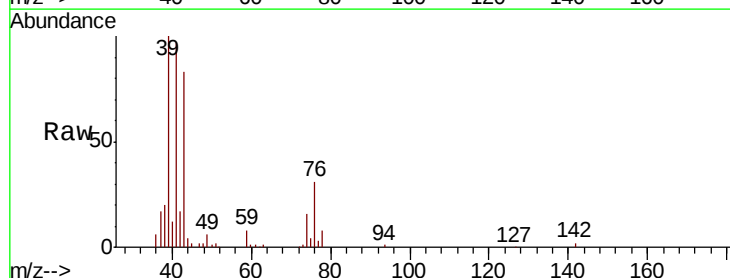
Acq: 3 Aug 2019 8:42

Tgt Ion: 43 Resp: 232981

Ion Ratio Lower Upper

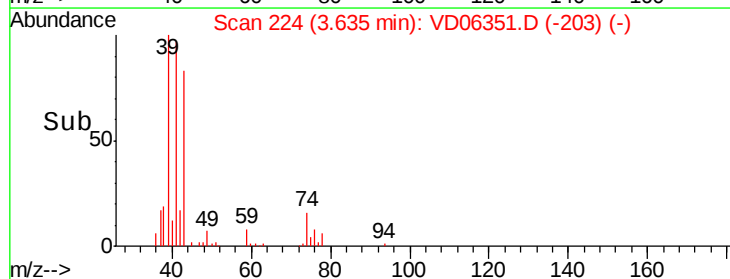
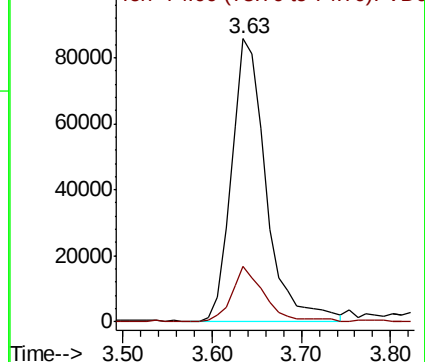
43 100

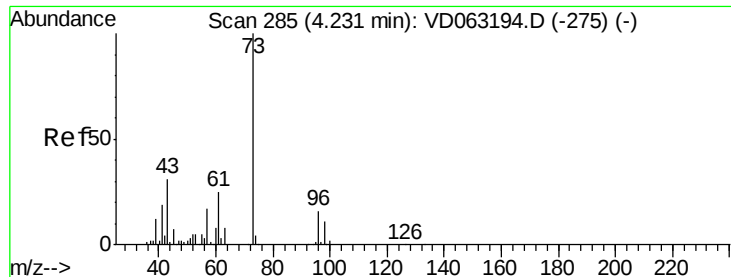
74 19.6 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

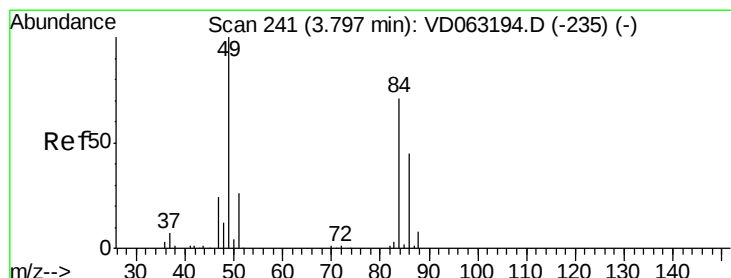
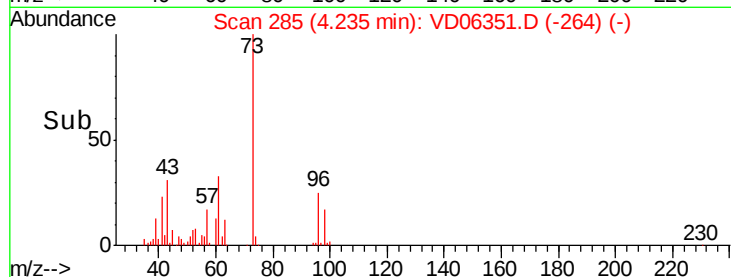
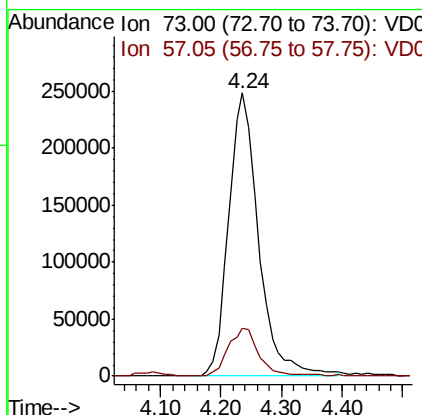
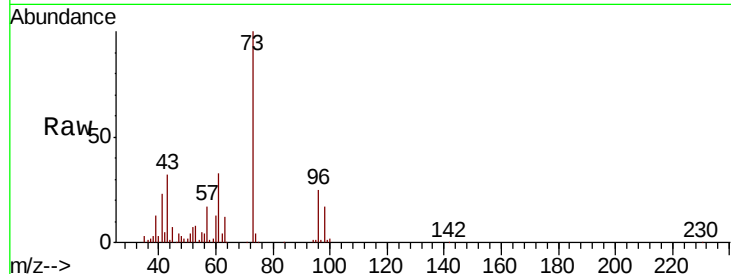




#19
Methyl tert-butyl Ether
Concen: 57.333 ug/l
RT: 4.24 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

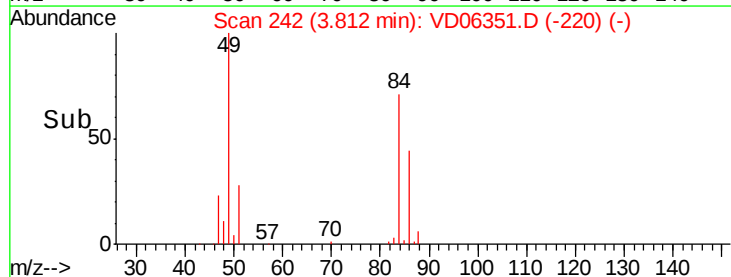
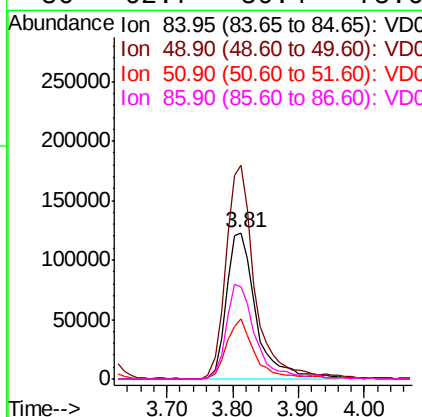
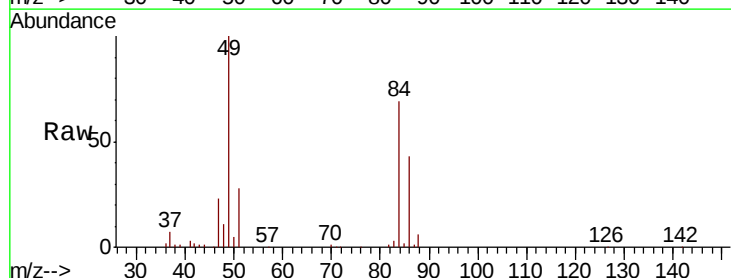
Instrument :
MSVOA_D
ClientSampled :

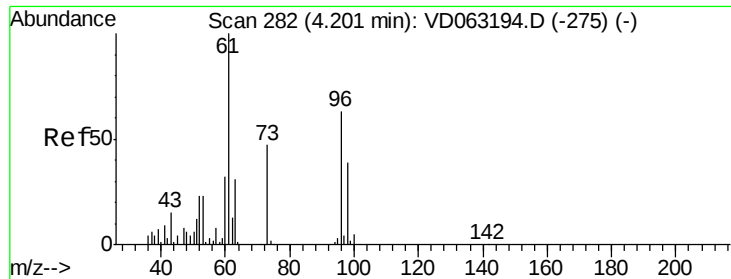
Tgt Ion: 73 Resp: 856539
Ion Ratio Lower Upper
73 100
57 16.9 13.8 20.6



#20
Methylene Chloride
Concen: 52.135 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 84 Resp: 388484
Ion Ratio Lower Upper
84 100
49 146.0 112.5 168.7
51 41.0 29.6 44.4
86 62.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 54.174 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampled :

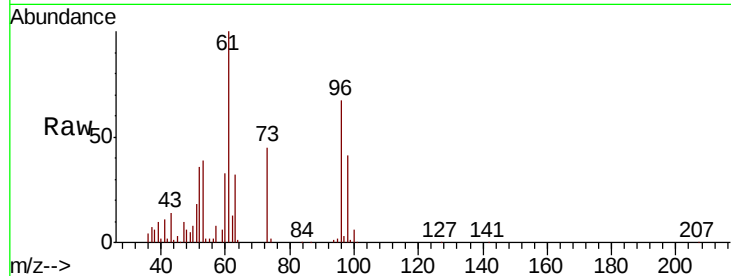
Tgt Ion: 96 Resp: 402028

Ion Ratio Lower Upper

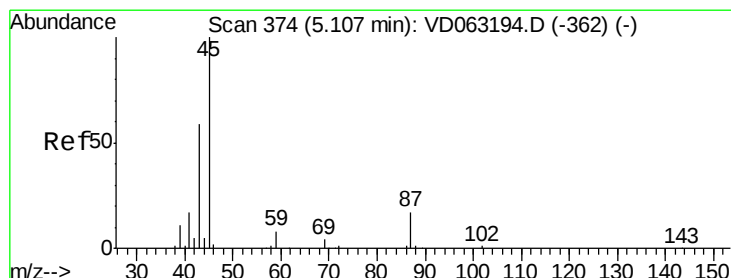
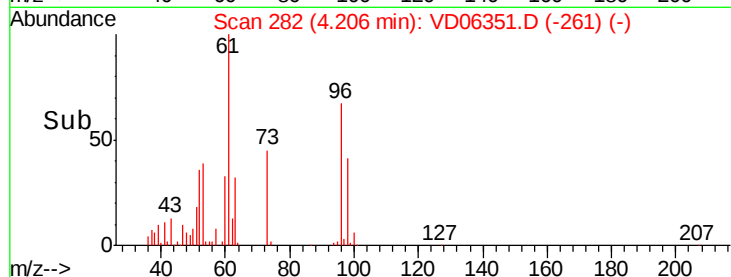
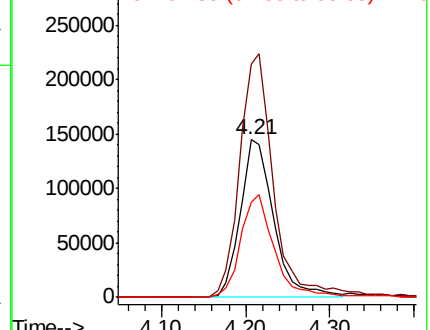
96 100

61 148.2 127.4 191.2

98 60.7 49.3 73.9



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



#22

Diisopropyl ether

Concen: 56.659 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Tgt Ion: 45 Resp: 1192685

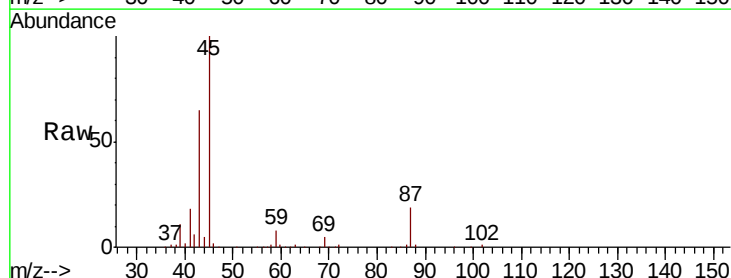
Ion Ratio Lower Upper

45 100

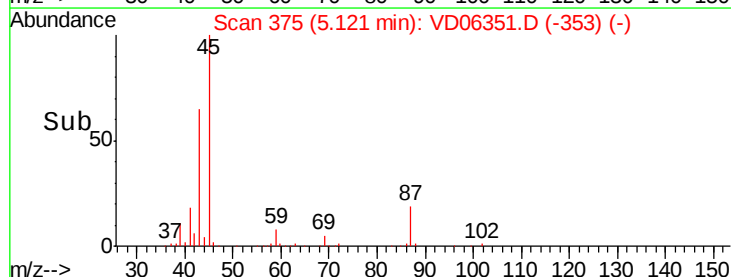
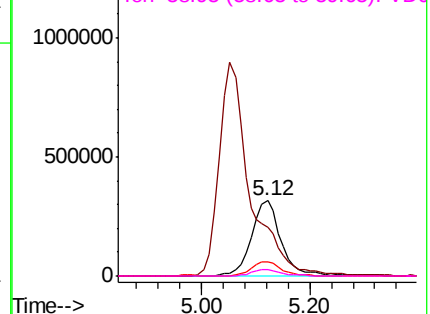
43 64.7 51.7 77.5

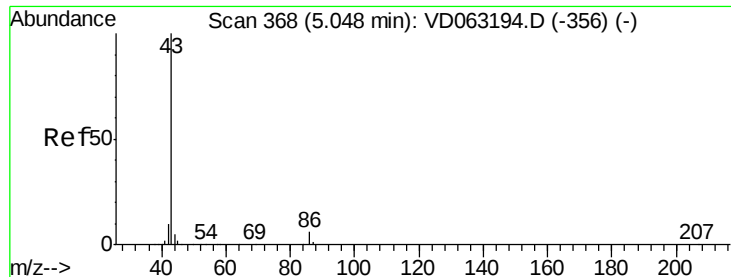
87 18.7 14.6 21.8

59 8.4 6.6 10.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 272.159 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

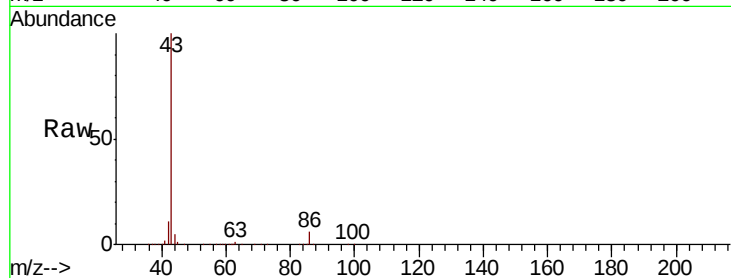
ClientSampleId :

Tgt Ion: 43 Resp: 3521605

Ion Ratio Lower Upper

43 100

86 6.2 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

800000

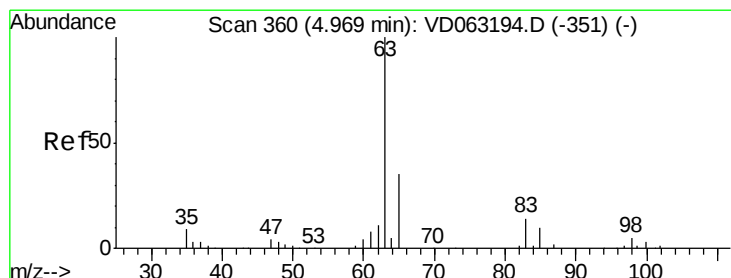
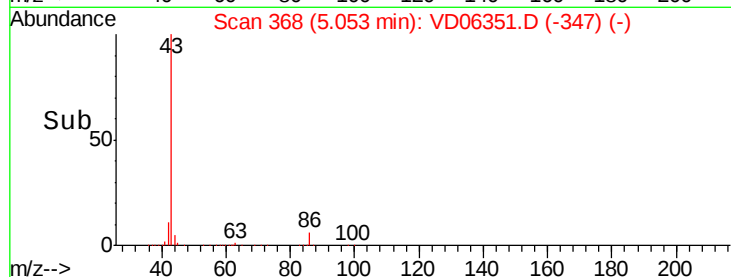
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 59.327 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

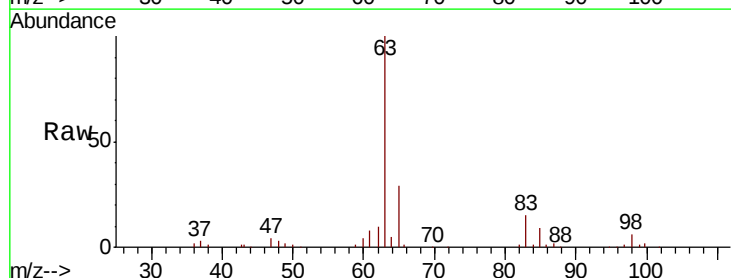
Tgt Ion: 63 Resp: 797692

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 2.5 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.98

300000

250000

200000

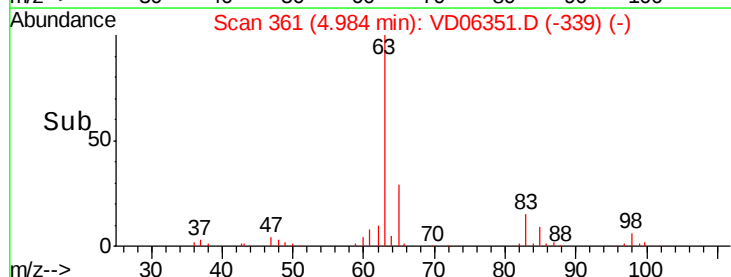
150000

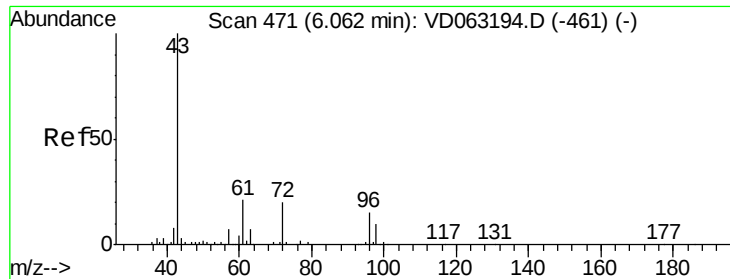
100000

50000

0

Time-->





#25

2-Butanone

Concen: 281.815 ug/l

RT: 6.07 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

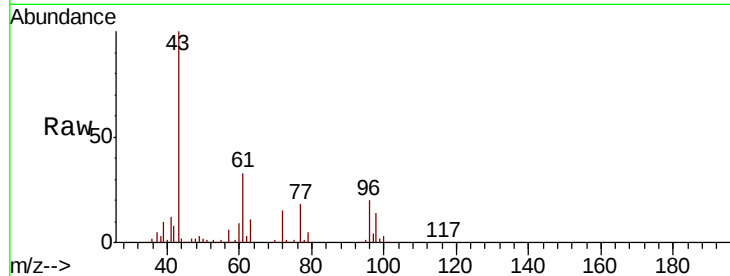
ClientSampleId :

Tgt Ion: 43 Resp: 521383

Ion Ratio Lower Upper

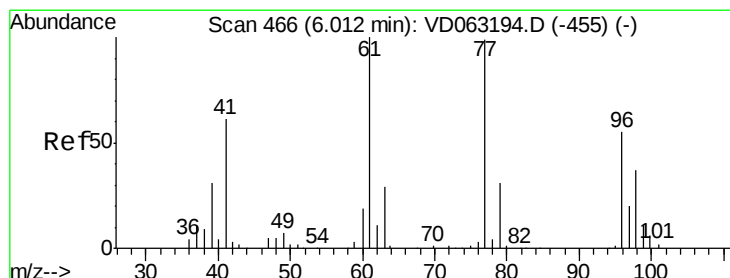
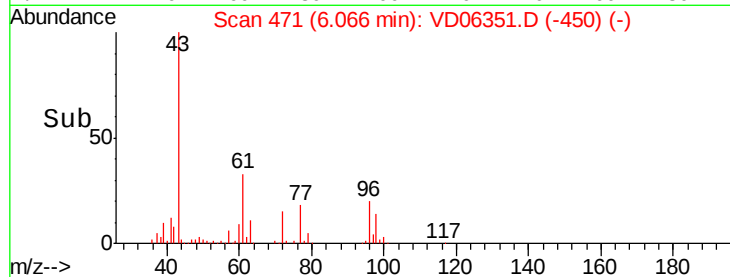
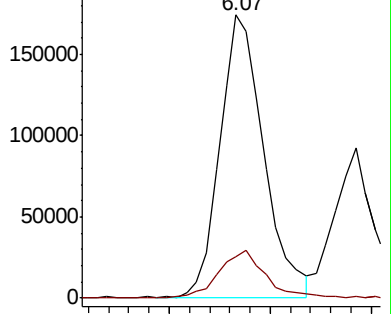
43 100

72 14.8 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: 50.530 ug/l

RT: 6.02 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD06351.D

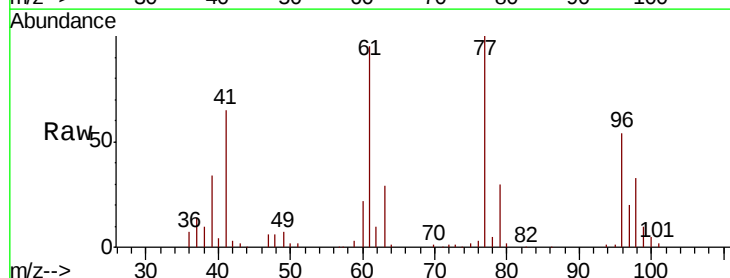
Acq: 3 Aug 2019 8:42

Tgt Ion: 77 Resp: 700165

Ion Ratio Lower Upper

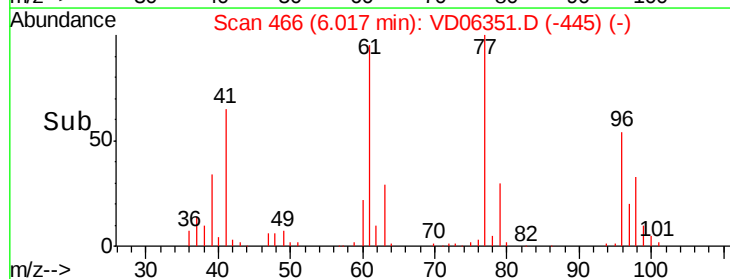
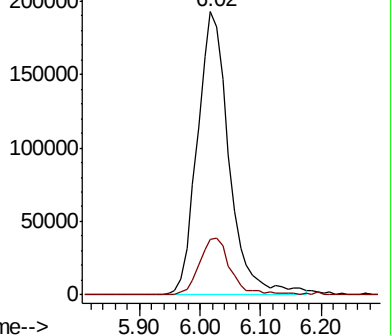
77 100

97 19.8 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



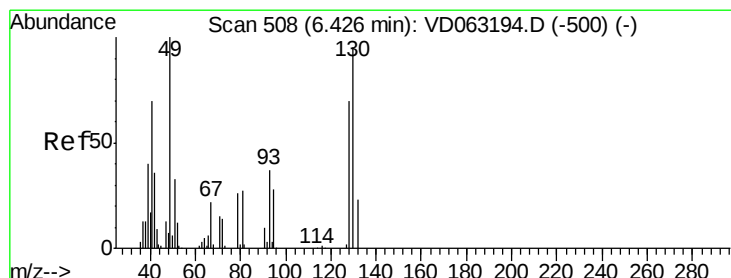
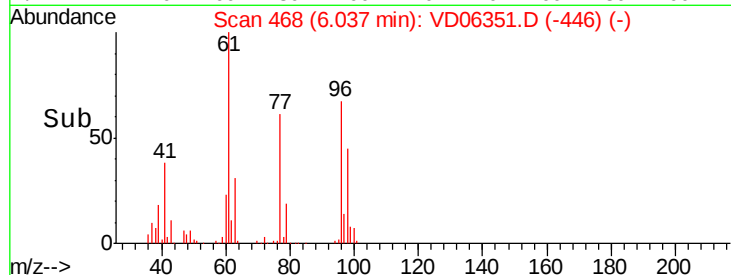
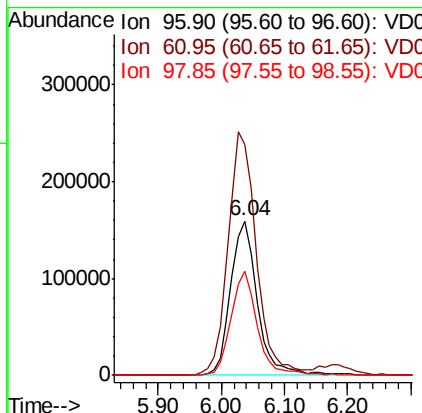
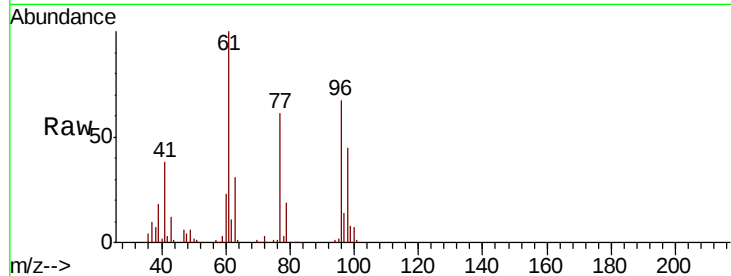


#27

cis-1,2-Dichloroethene
 Concen: 58.609 ug/l
 RT: 6.04 min Scan# 468
 Delta R.T. 0.01 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Instrument :
 MSVOA_D
 ClientSampled :

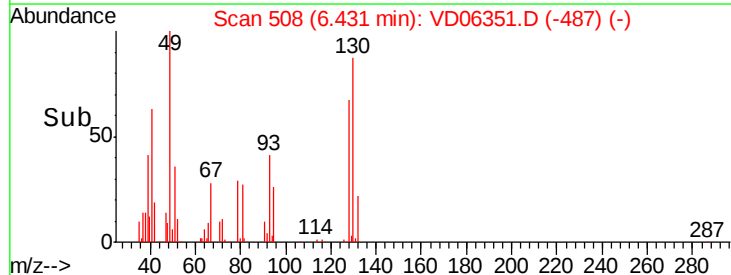
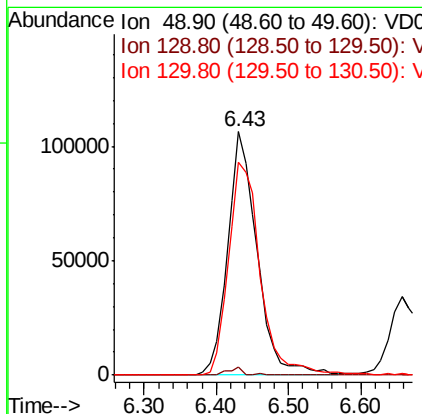
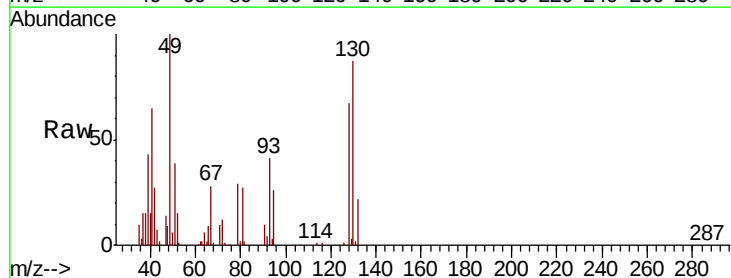
Tgt Ion: 96 Resp: 466320
 Ion Ratio Lower Upper
 96 100
 61 149.4 0.0 337.2
 98 67.8 0.0 130.6

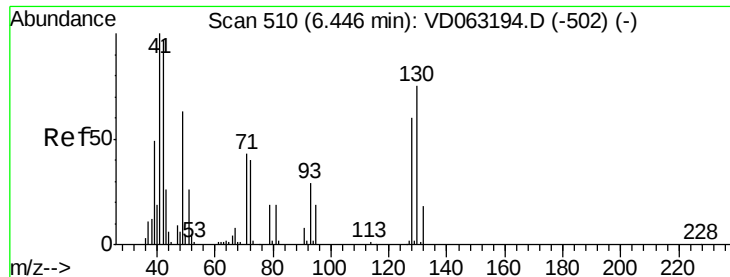


#28

Bromochloromethane
 Concen: 56.189 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion: 49 Resp: 301014
 Ion Ratio Lower Upper
 49 100
 129 3.3 0.0 0.0#
 130 87.4 75.7 113.5





#29

Tetrahydrofuran

Concen: 271.885 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

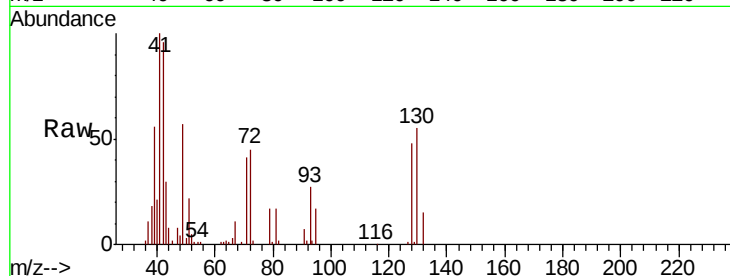
Tgt Ion: 42 Resp: 238150

Ion Ratio Lower Upper

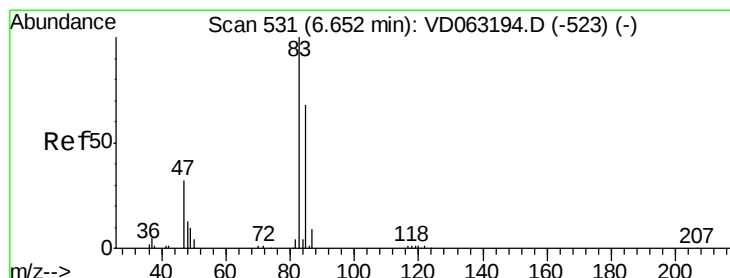
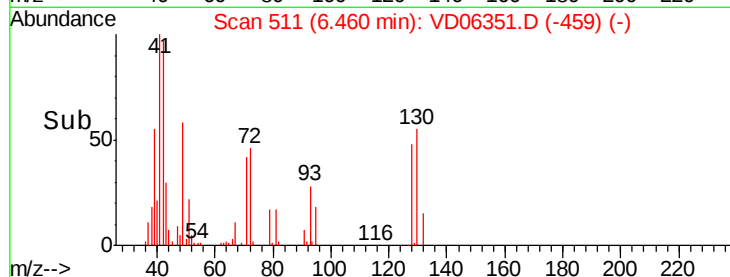
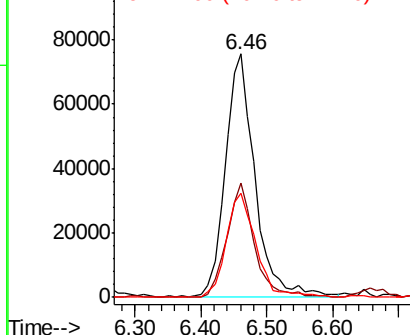
42 100

72 43.3 33.4 50.2

71 43.2 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: 60.349 ug/l

RT: 6.66 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD06351.D

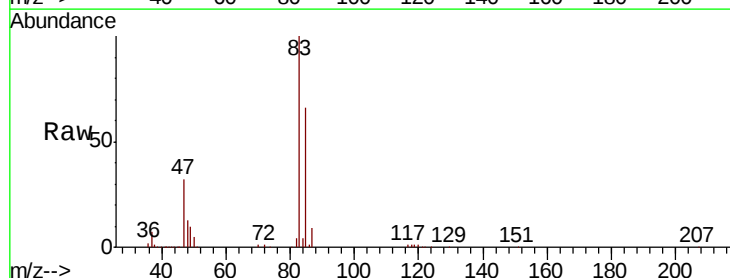
Acq: 3 Aug 2019 8:42

Tgt Ion: 83 Resp: 1007005

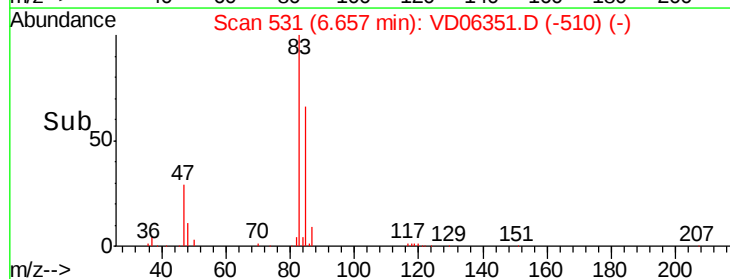
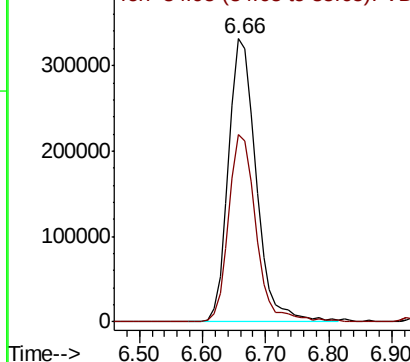
Ion Ratio Lower Upper

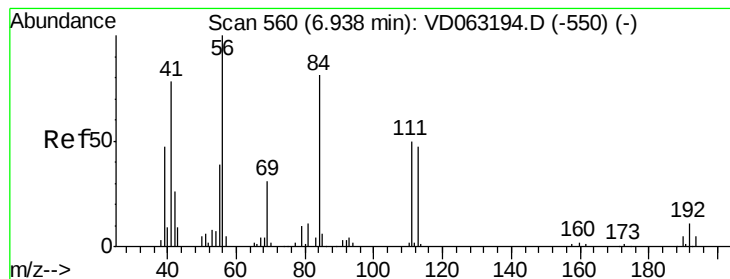
83 100

85 66.4 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: 49.334 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :
MSVOA_D
ClientSampleId :

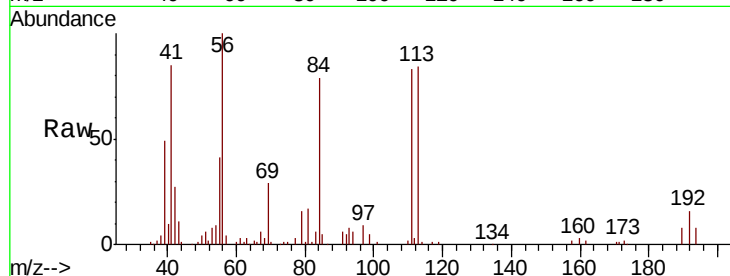
Tgt Ion: 56 Resp: 415785

Ion Ratio Lower Upper

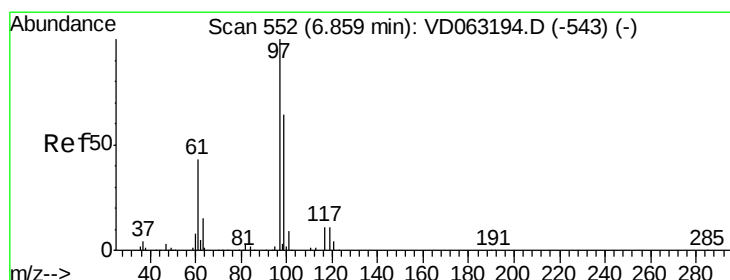
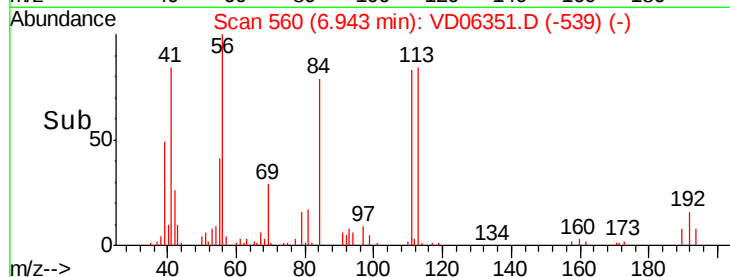
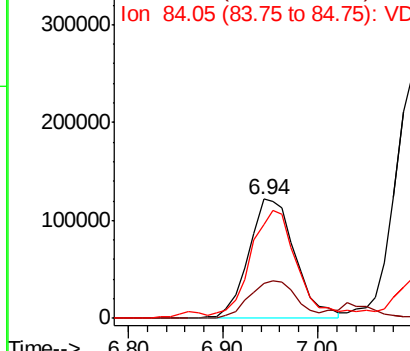
56 100

69 29.3 24.5 36.7

84 79.1 64.9 97.3



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



#32

1,1,1-Trichloroethane

Concen: 60.095 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

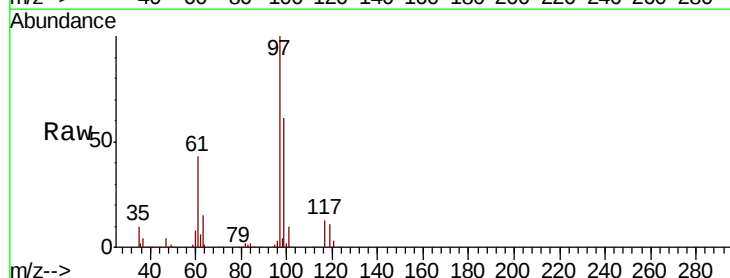
Tgt Ion: 97 Resp: 969948

Ion Ratio Lower Upper

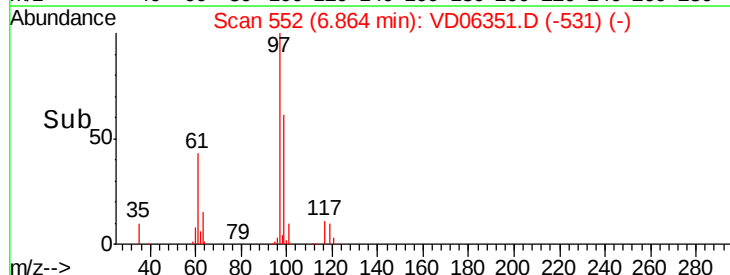
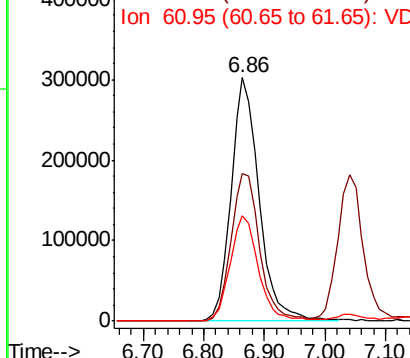
97 100

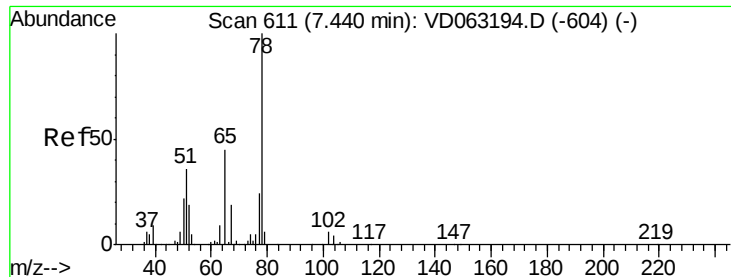
99 60.8 51.2 76.8

61 43.2 34.2 51.2



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





#33

1,2-Dichloroethane-d4

Concen: 56.187 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

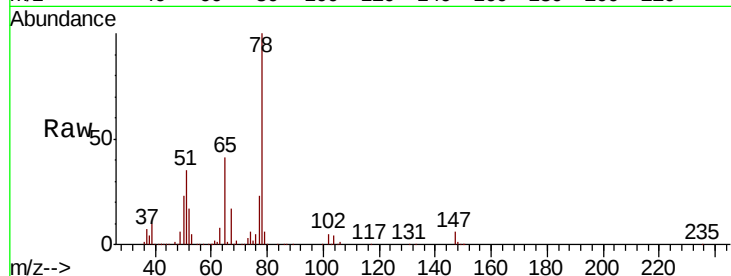
ClientSampleId :

Tgt Ion: 65 Resp: 531619

Ion Ratio Lower Upper

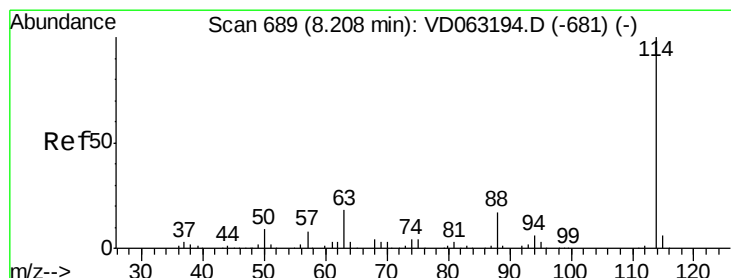
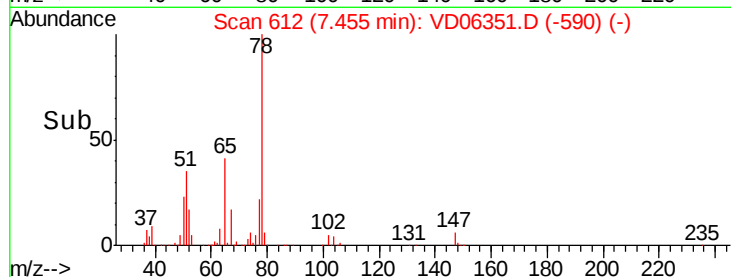
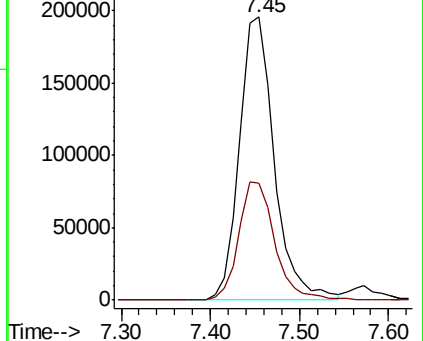
65 100

67 41.2 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

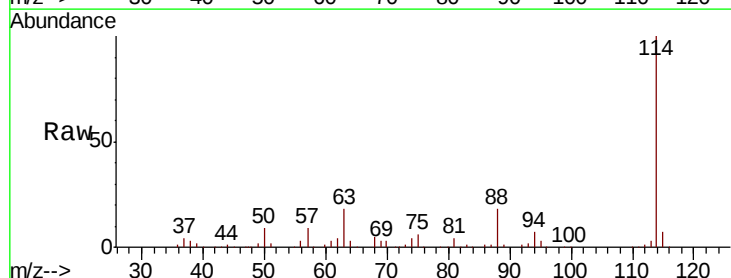
Tgt Ion: 114 Resp: 1169152

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.2

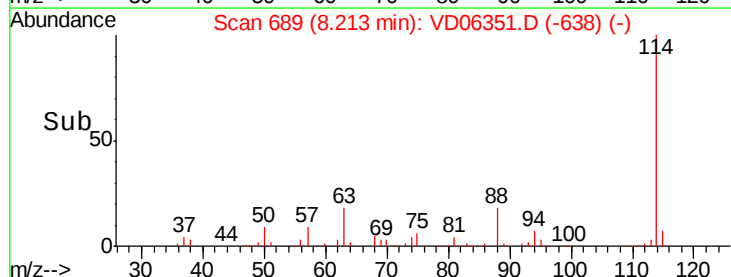
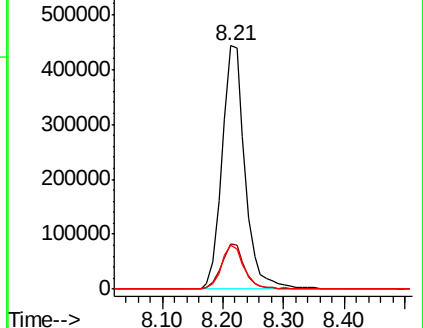
88 18.3 0.0 34.6

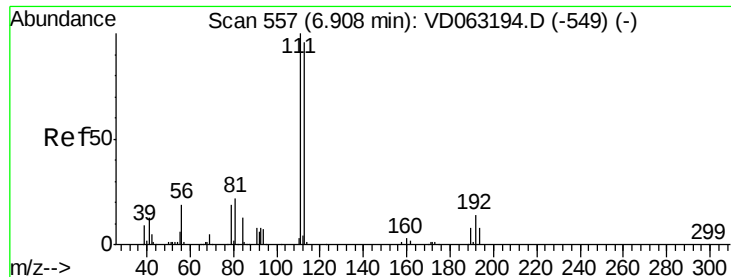


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

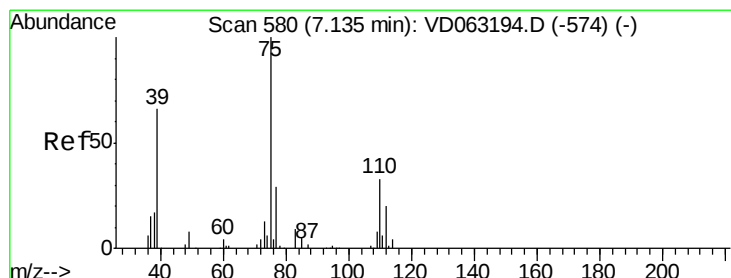
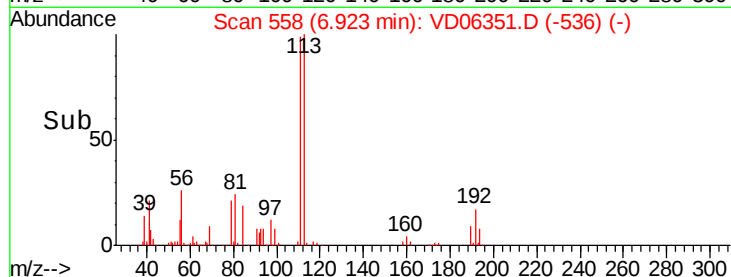
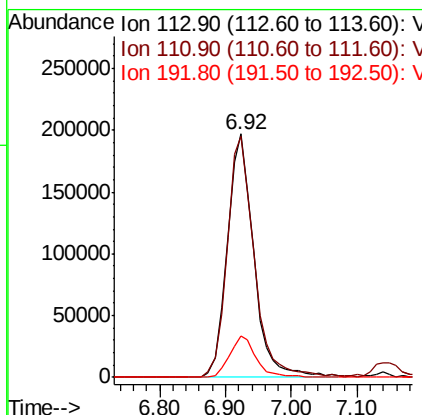
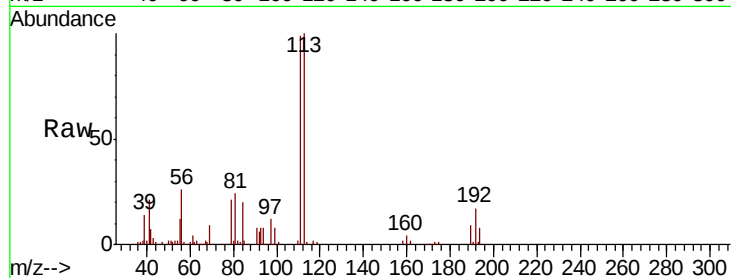




#35
 Dibromofluoromethane
 Concen: 55.796 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

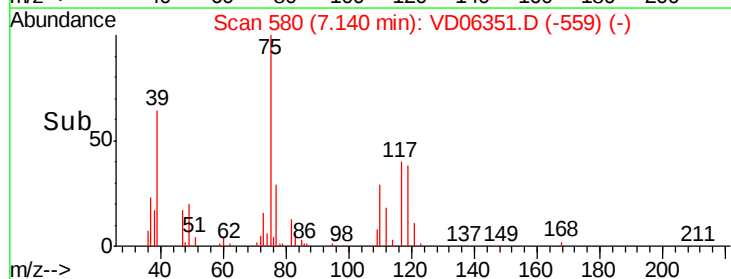
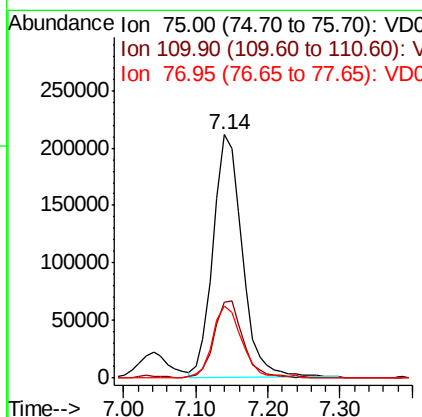
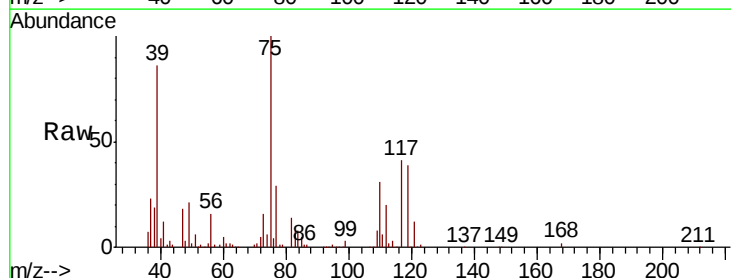
Instrument :
 MSVOA_D
 ClientSampleID :

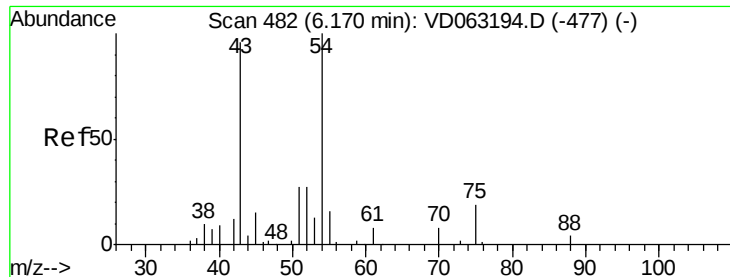
Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.9	83.2	124.8
192	17.2	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 55.281 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.0	16.1	48.2
77	29.4	22.7	34.1

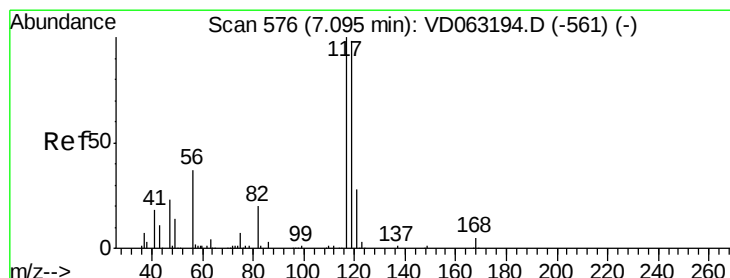
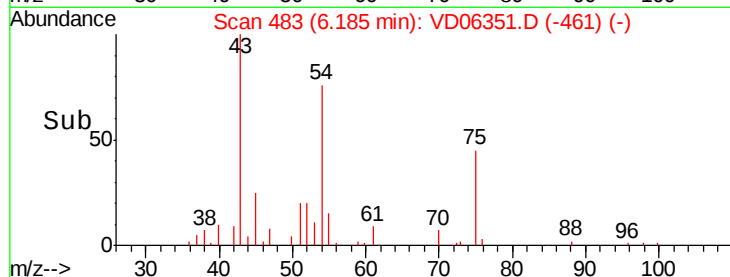
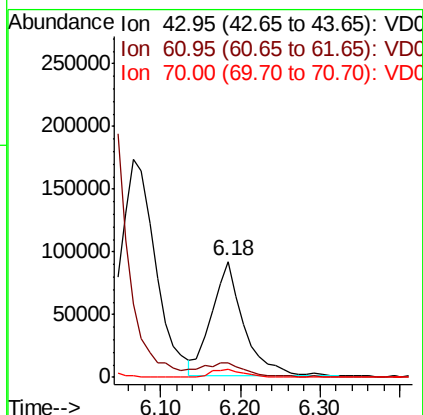
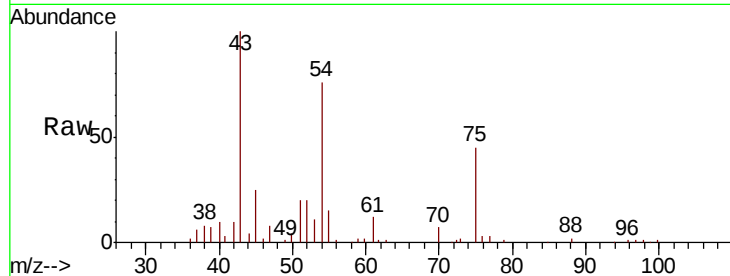




#37
Ethyl Acetate
Concen: 54.013 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

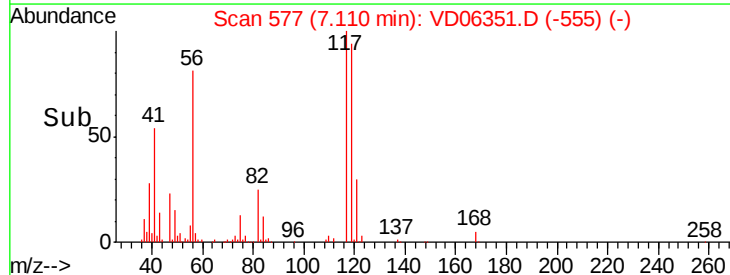
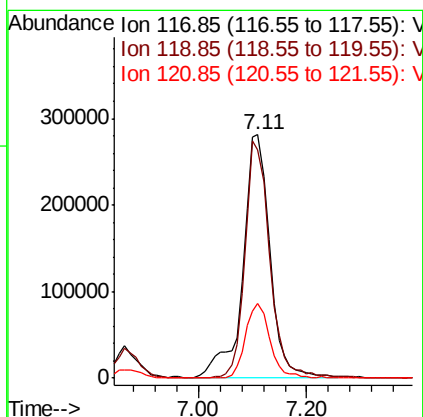
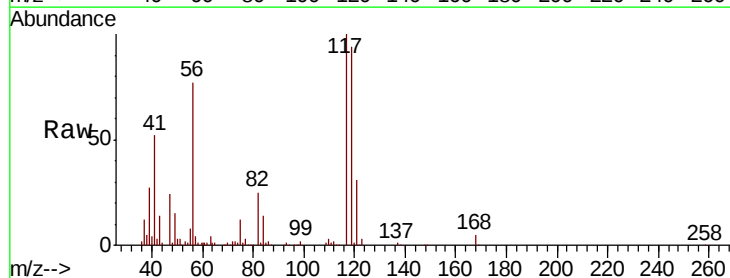
Instrument :
MSVOA_D
ClientSampleID :

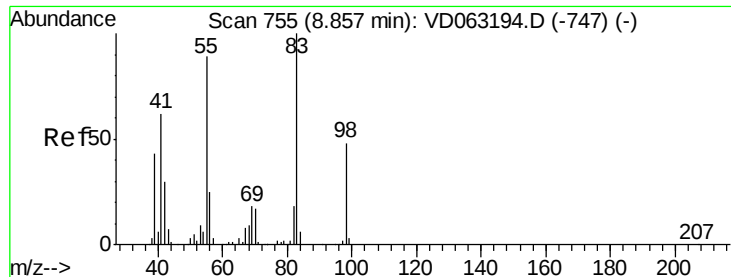
Tgt Ion: 43 Resp: 258916
Ion Ratio Lower Upper
43 100
61 12.4 11.3 16.9
70 7.2 5.1 7.7



#38
Carbon Tetrachloride
Concen: 60.650 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 117 Resp: 974240
Ion Ratio Lower Upper
117 100
119 93.9 78.2 117.2
121 30.7 22.1 33.1

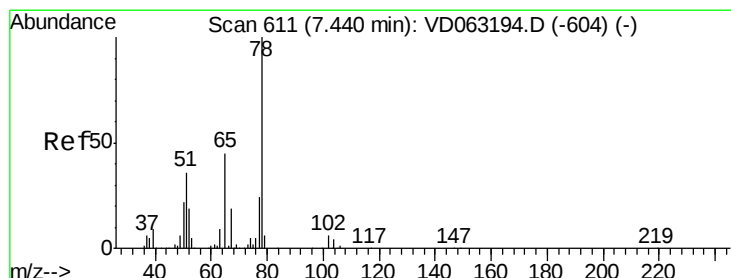
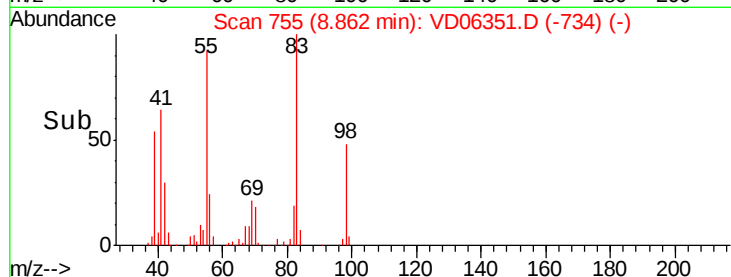
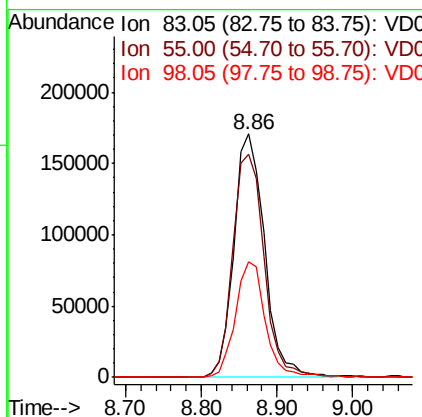
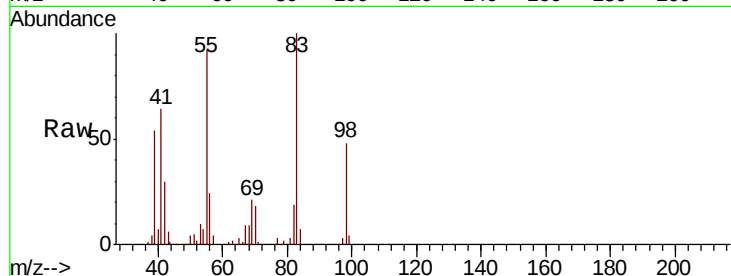




#39
Methylcyclohexane
Concen: 53.702 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

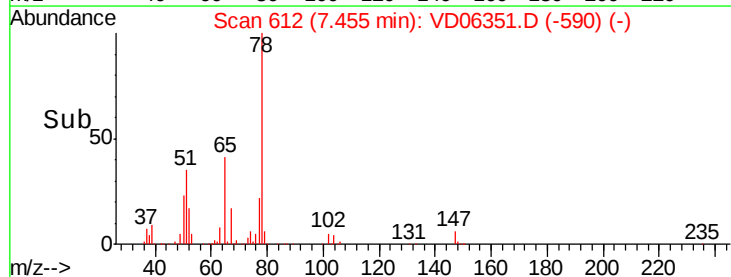
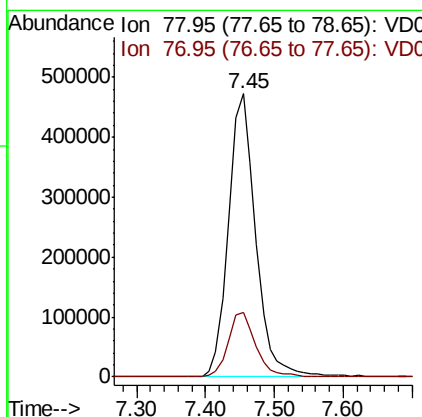
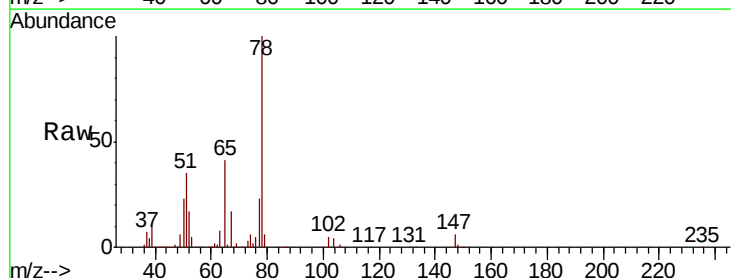
Instrument :
MSVOA_D
ClientSampleId :

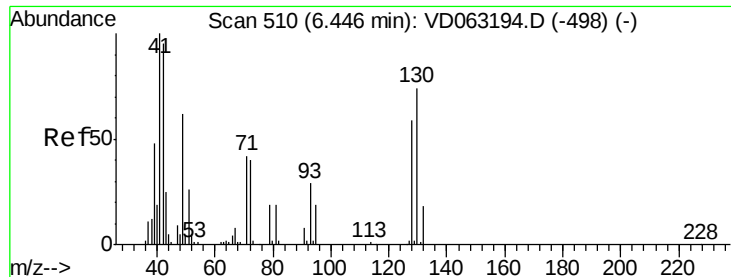
Tgt Ion: 83 Resp: 477407
Ion Ratio Lower Upper
83 100
55 91.7 71.1 106.7
98 47.6 38.5 57.7



#40
Benzene
Concen: 57.857 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 78 Resp: 1293816
Ion Ratio Lower Upper
78 100
77 22.9 19.4 29.2

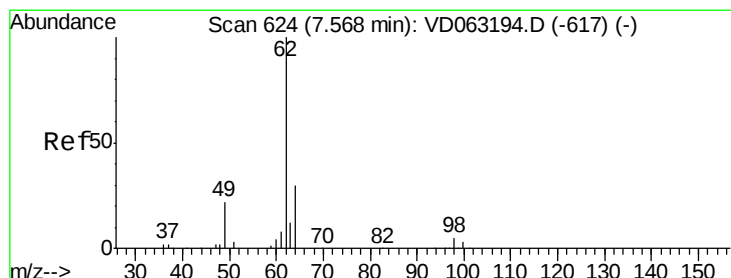
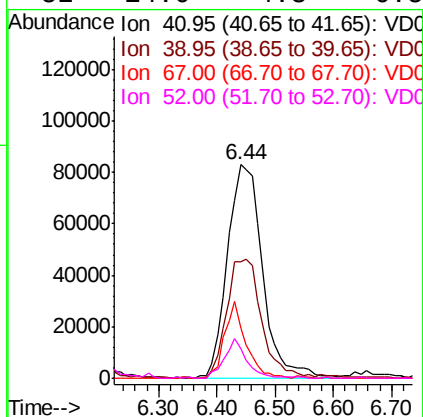
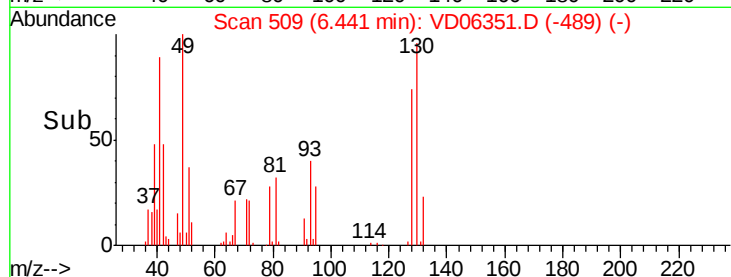
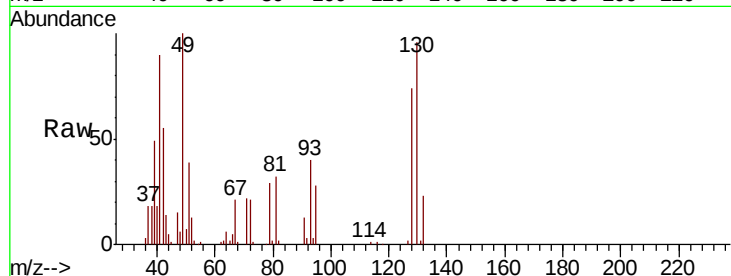




#41
Methacrylonitrile
Concen: 60.706 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

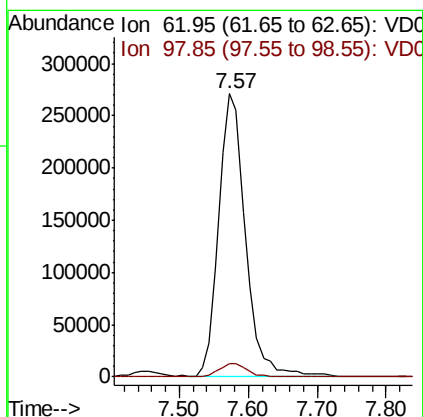
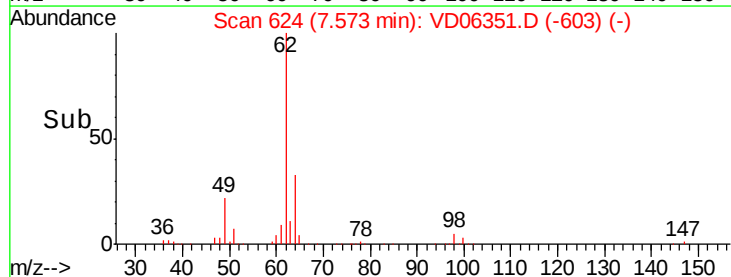
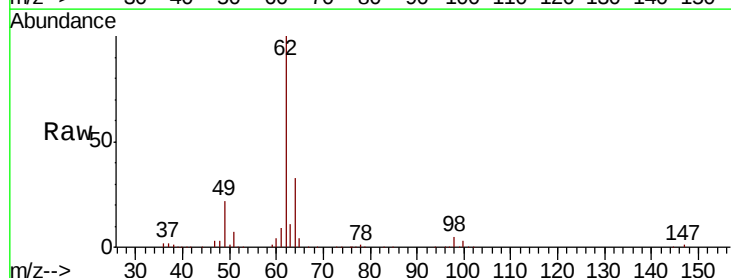
Instrument :
MSVOA_D
ClientSampleId :

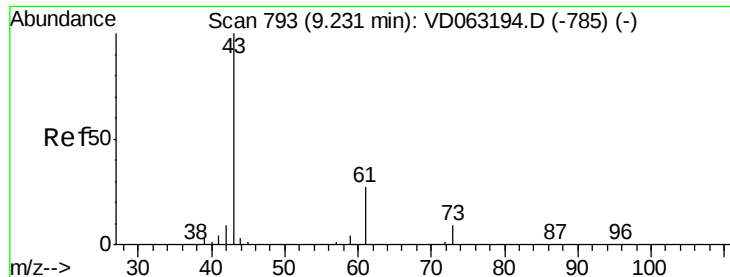
Tgt Ion: 41 Resp: 348093
Ion Ratio Lower Upper
41 100
39 54.5 38.4 57.6
67 23.1 6.7 10.1#
52 14.0 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 61.157 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 62 Resp: 724810
Ion Ratio Lower Upper
62 100
98 4.8 0.0 9.8



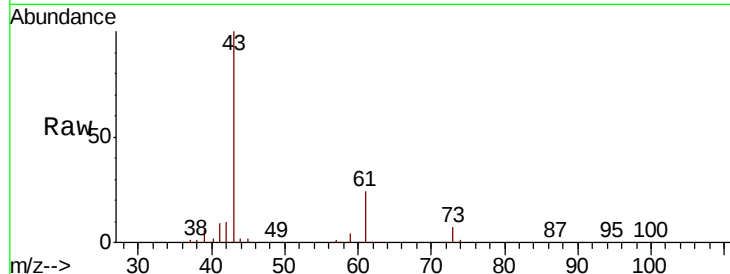


#43

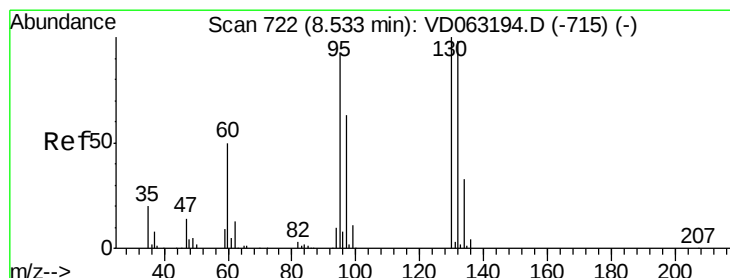
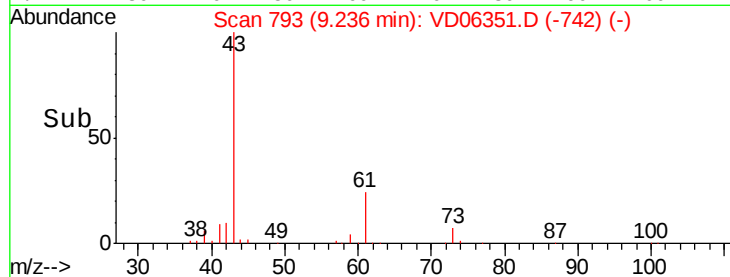
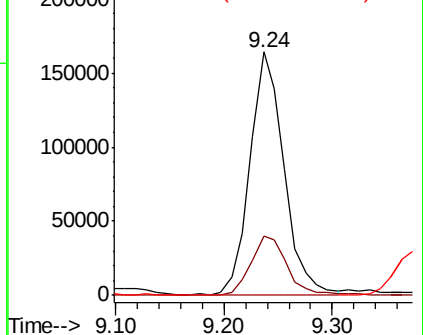
Isopropyl Acetate
 Concen: 58.389 ug/l
 RT: 9.24 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 43 Resp: 357533
 Ion Ratio Lower Upper
 43 100
 61 24.1 21.4 32.0
 87 0.2 0.2 0.4



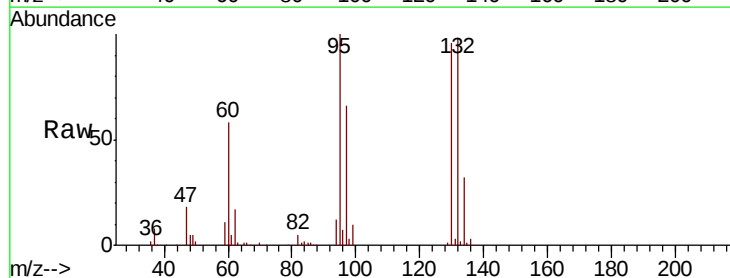
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



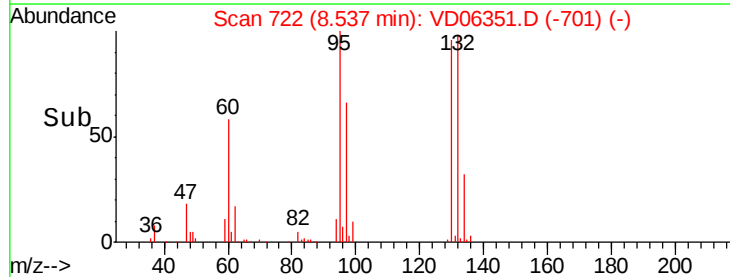
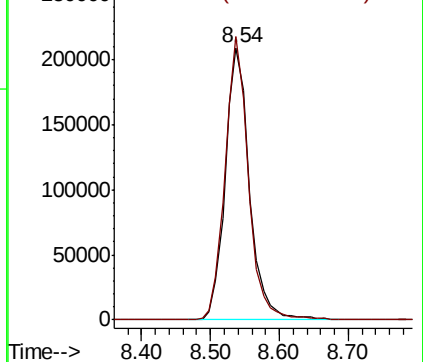
#44

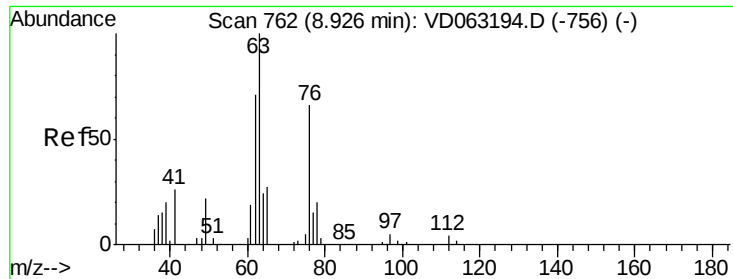
Trichloroethene
 Concen: 56.098 ug/l
 RT: 8.54 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion: 130 Resp: 508328
 Ion Ratio Lower Upper
 130 100
 95 104.1 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: 53.327 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

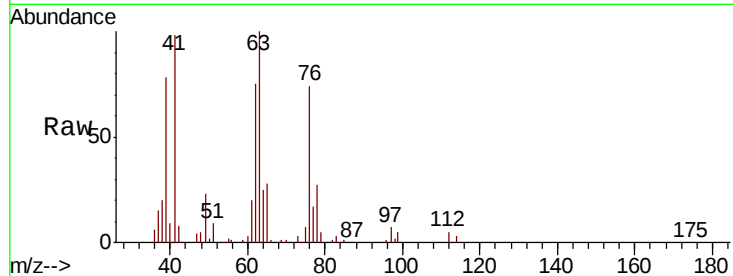
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 63 Resp: 303106

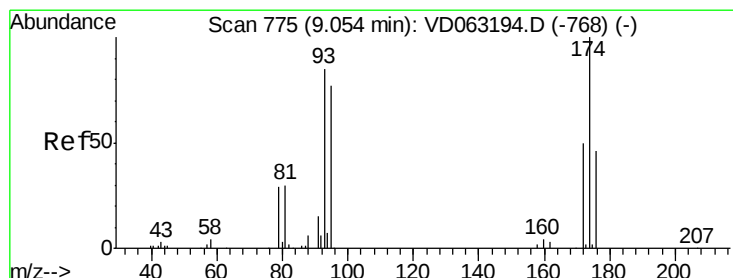
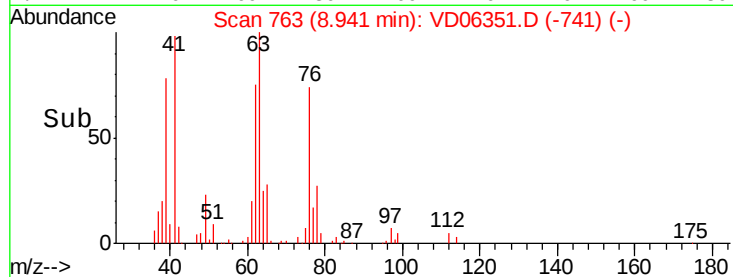
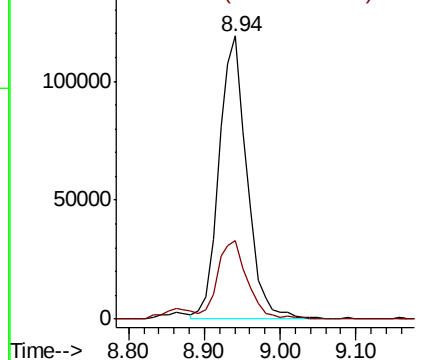
Ion Ratio Lower Upper

63 100

65 28.0 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: 59.526 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

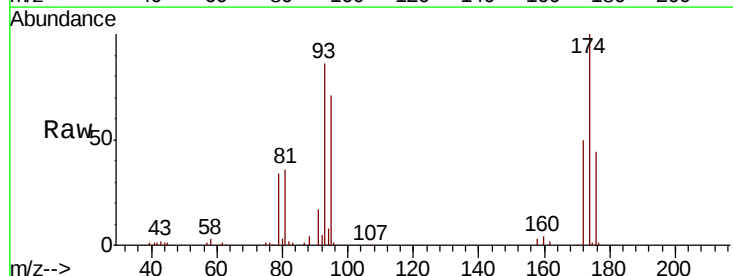
Tgt Ion: 93 Resp: 281327

Ion Ratio Lower Upper

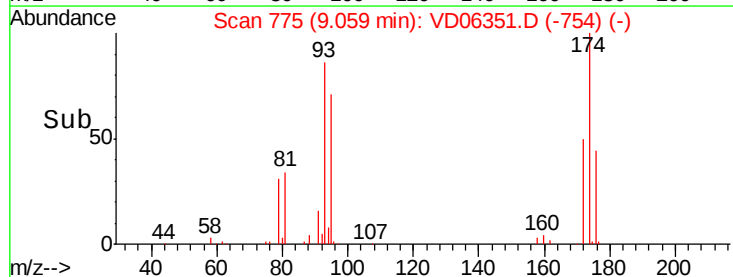
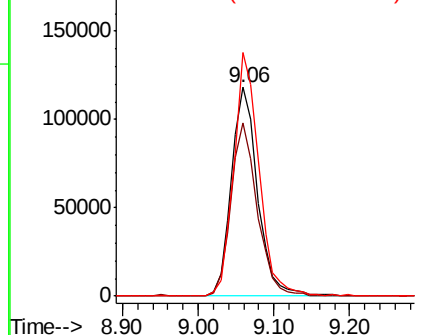
93 100

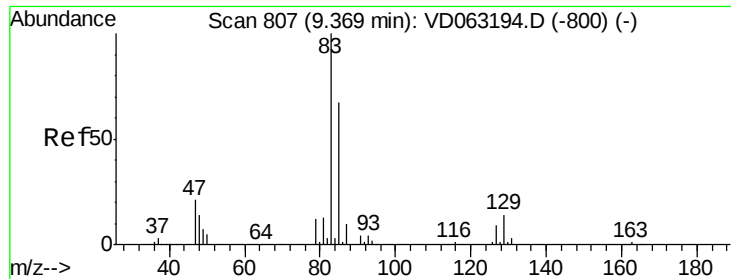
95 83.0 72.8 109.2

174 116.6 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: 59.653 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

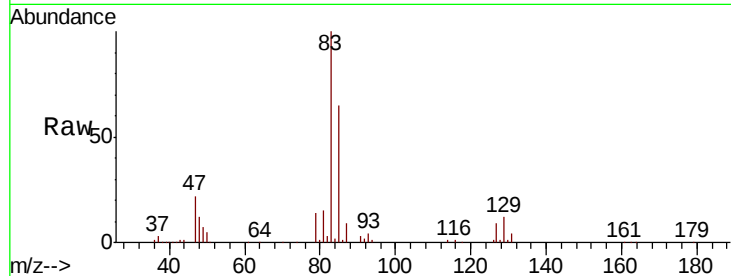
Tgt Ion: 83 Resp: 718654

Ion Ratio Lower Upper

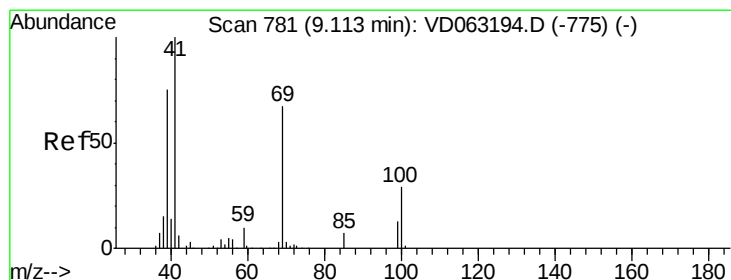
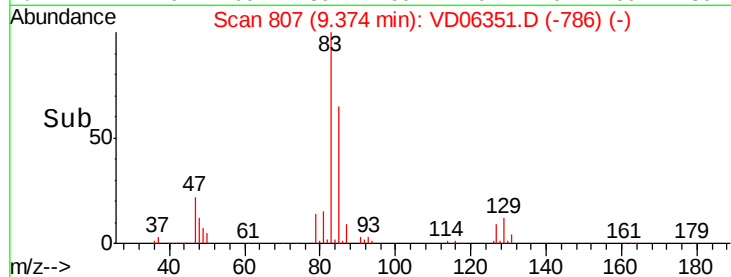
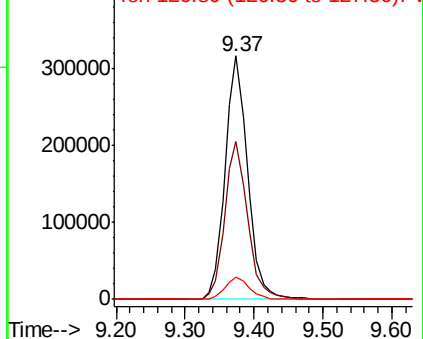
83 100

85 65.1 53.6 80.4

127 9.3 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: 62.096 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

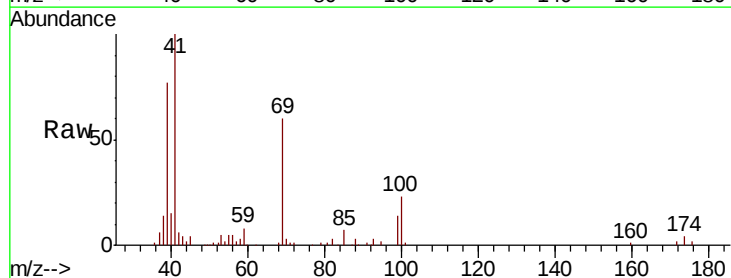
Tgt Ion: 41 Resp: 246605

Ion Ratio Lower Upper

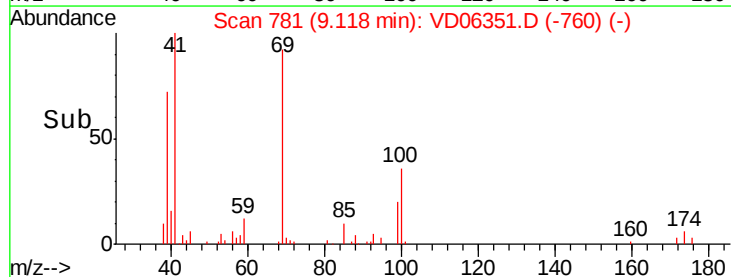
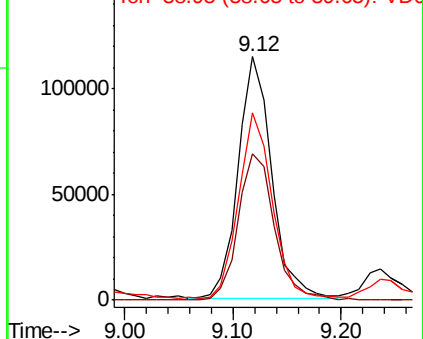
41 100

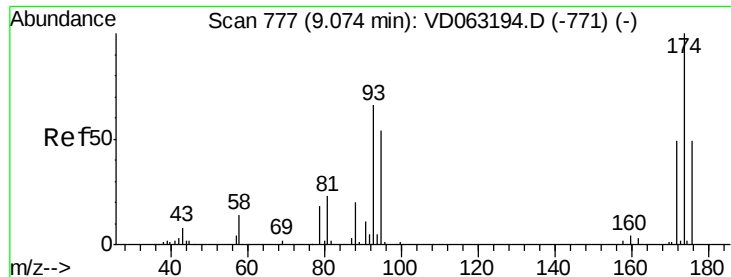
69 60.3 53.4 80.0

39 76.8 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

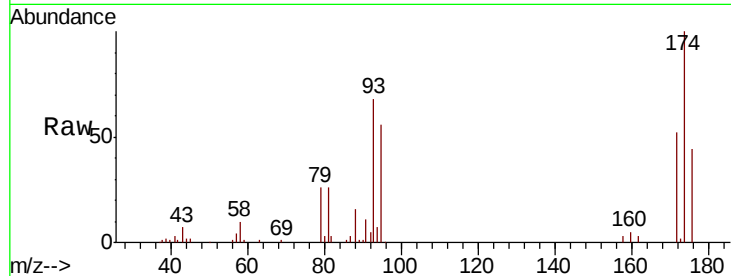




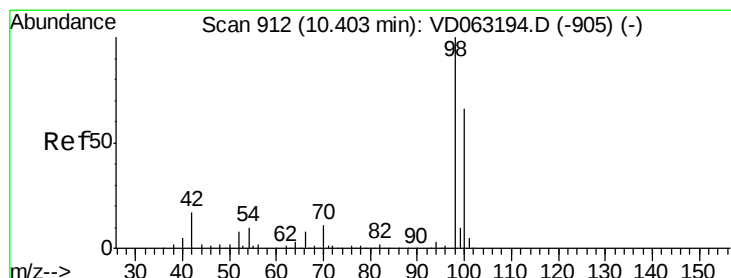
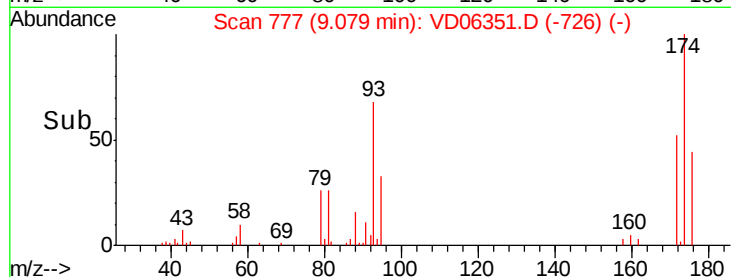
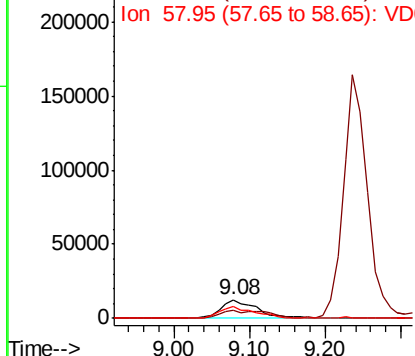
#49
1,4-Dioxane
Concen: 1207.240 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 88 Resp: 40585
Ion Ratio Lower Upper
88 100
43 43.1 30.7 46.1
58 61.0 56.5 84.7

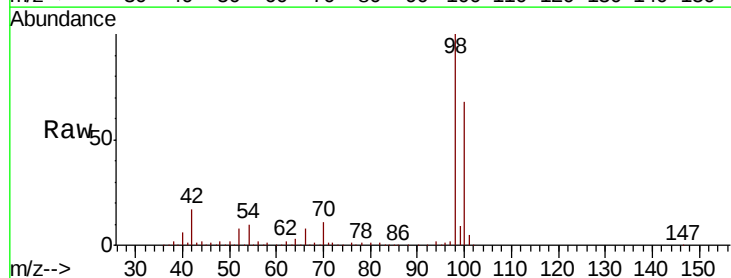


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

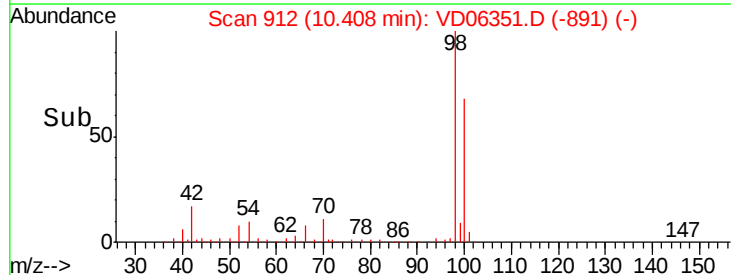
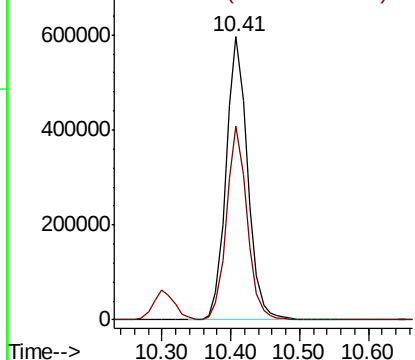


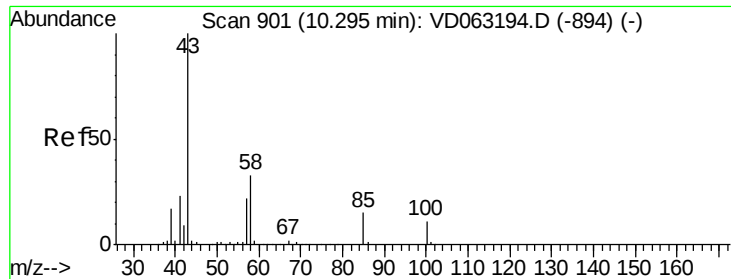
#50
Toluene-d8
Concen: 57.763 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 98 Resp: 1290406
Ion Ratio Lower Upper
98 100
100 68.3 53.2 79.8



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

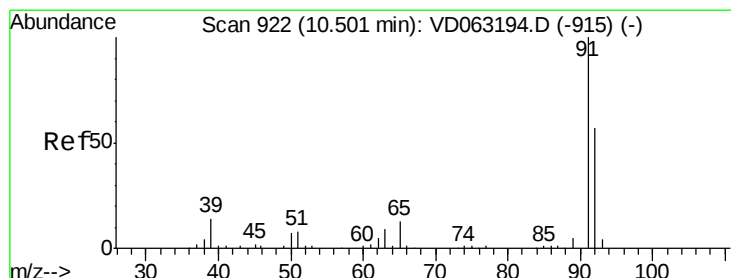
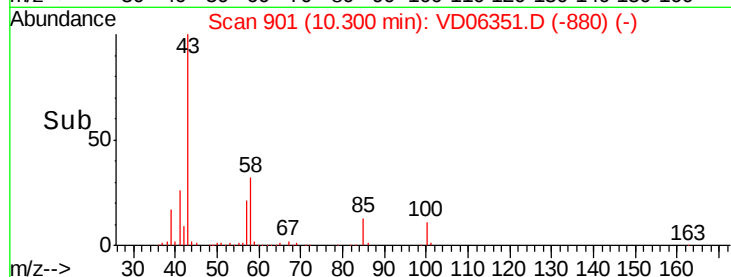
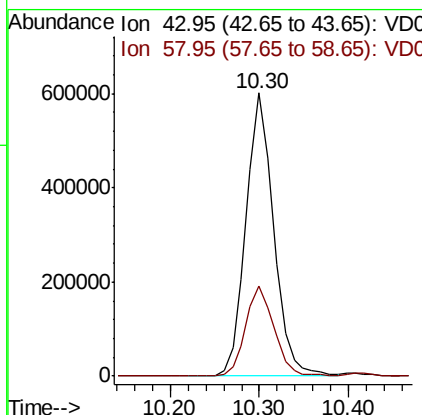
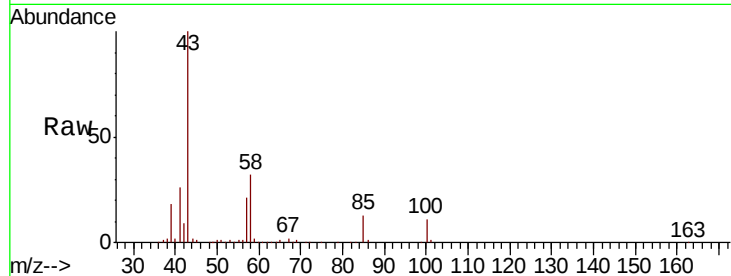




#51
 4-Methyl-2-Pentanone
 Concen: 310.993 ug/l
 RT: 10.30 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

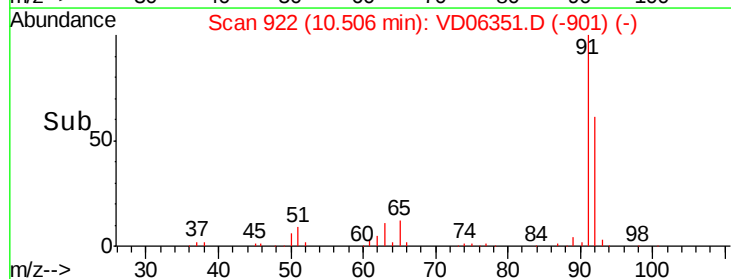
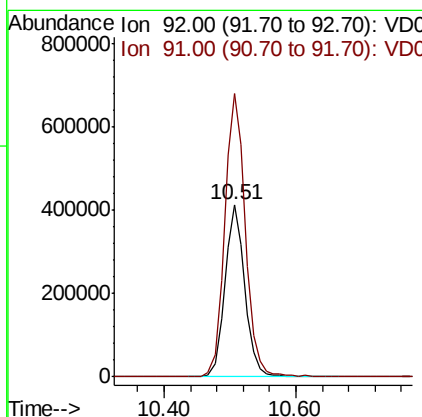
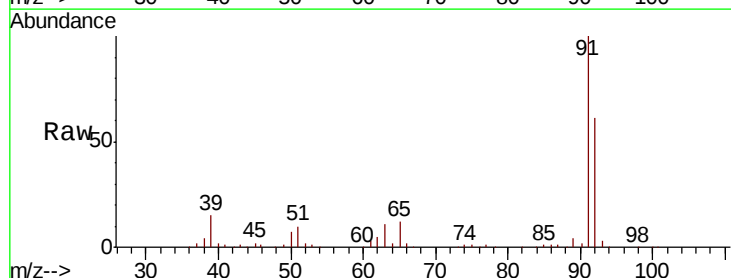
Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 43 Resp: 1295089
 Ion Ratio Lower Upper
 43 100
 58 32.0 26.2 39.2



#52
 Toluene
 Concen: 58.601 ug/l
 RT: 10.51 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion: 92 Resp: 871586
 Ion Ratio Lower Upper
 92 100
 91 164.3 140.8 211.2

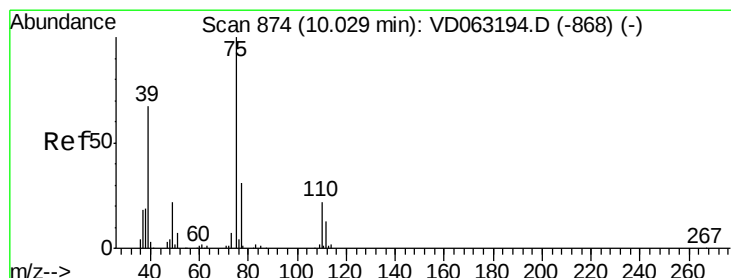
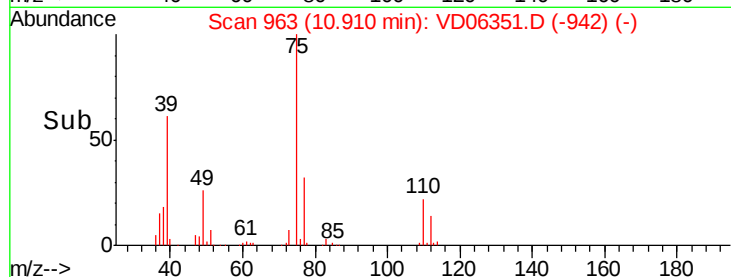
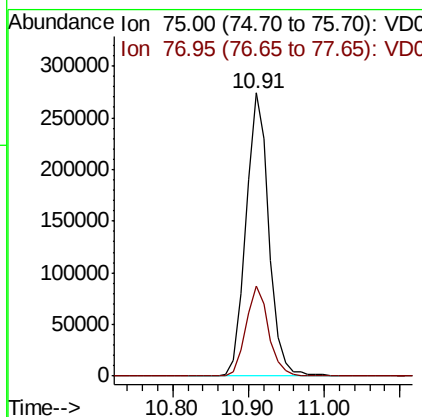
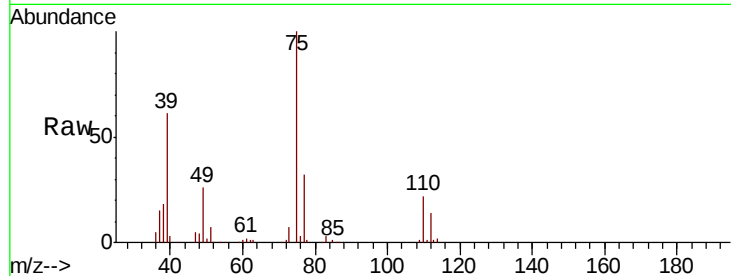




#53
t-1,3-Dichloropropene
Concen: 55.064 ug/l
RT: 10.91 min Scan# 963
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

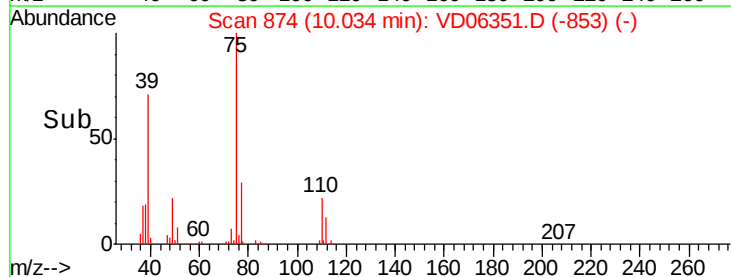
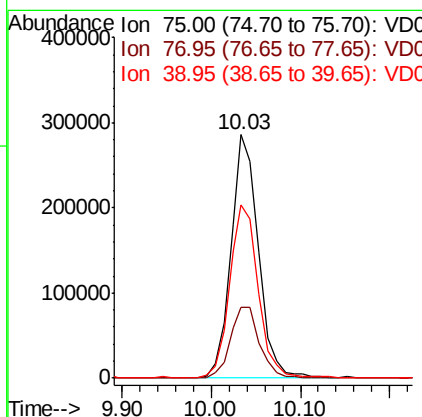
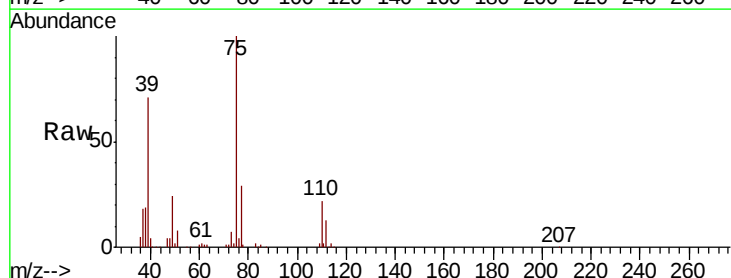
Instrument :
MSVOA_D
ClientSampled :

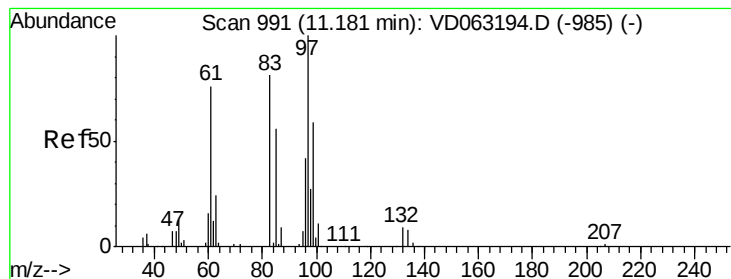
Tgt Ion: 75 Resp: 571922
Ion Ratio Lower Upper
75 100
77 31.8 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 56.457 ug/l
RT: 10.03 min Scan# 874
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 75 Resp: 616273
Ion Ratio Lower Upper
75 100
77 29.0 24.9 37.3
39 71.2 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 62.099 ug/l

RT: 11.19 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 97 Resp: 311936

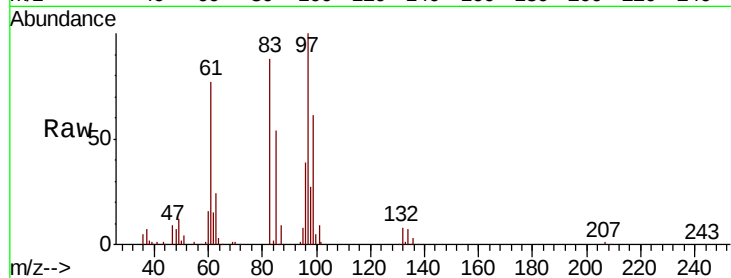
Ion Ratio Lower Upper

97 100

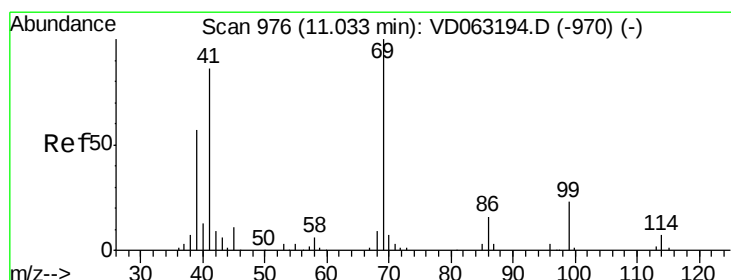
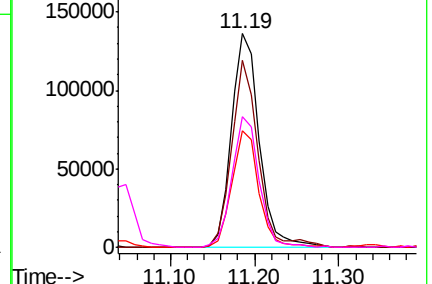
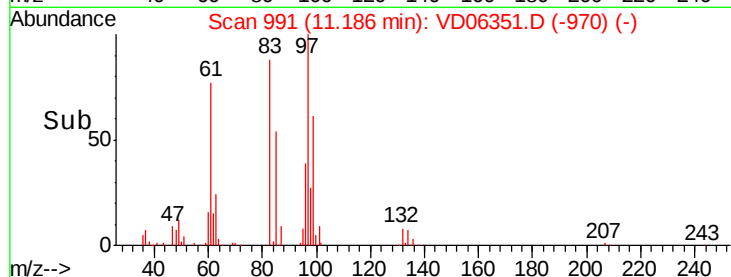
83 87.7 64.8 97.2

85 54.4 44.9 67.3

99 61.2 47.2 70.8



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



#56

Ethyl methacrylate

Concen: 65.454 ug/l

RT: 11.04 min Scan# 976

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

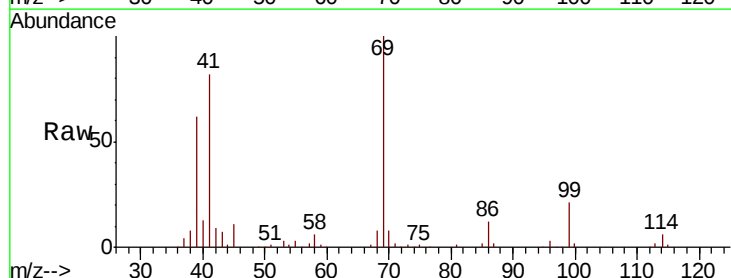
Tgt Ion: 69 Resp: 360031

Ion Ratio Lower Upper

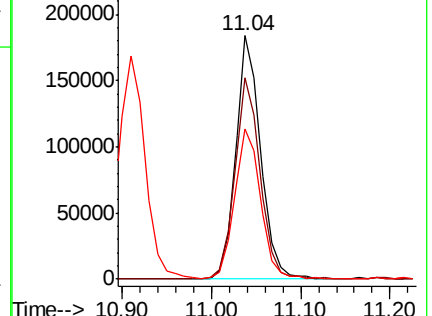
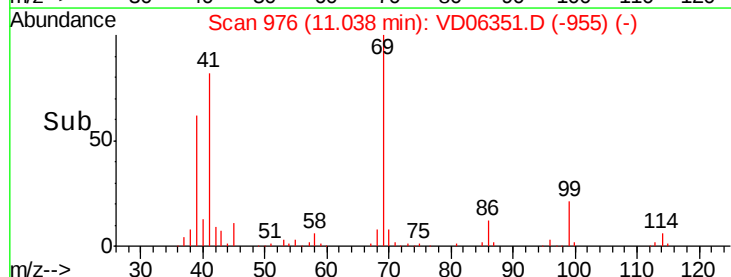
69 100

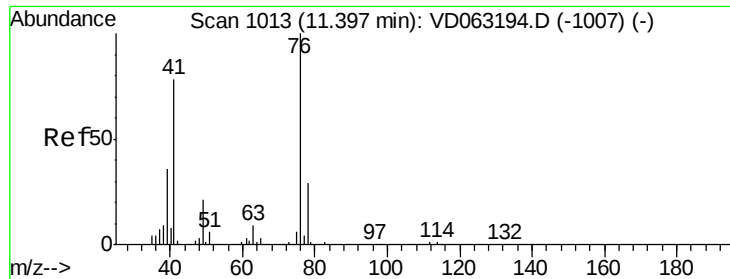
41 82.5 68.8 103.2

39 61.6 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: 62.297 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

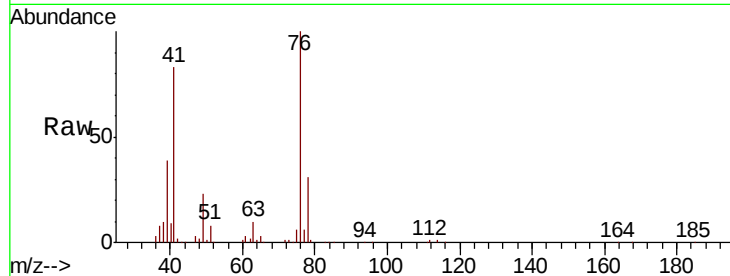
ClientSampleId :

Tgt Ion: 76 Resp: 493049

Ion Ratio Lower Upper

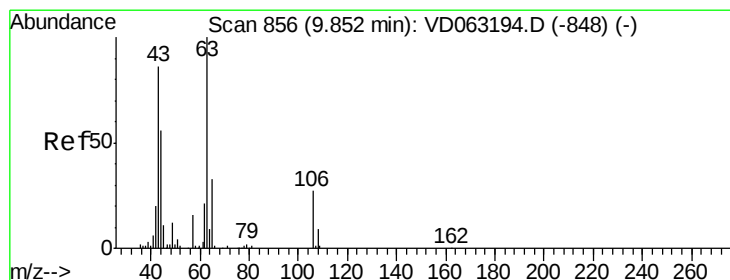
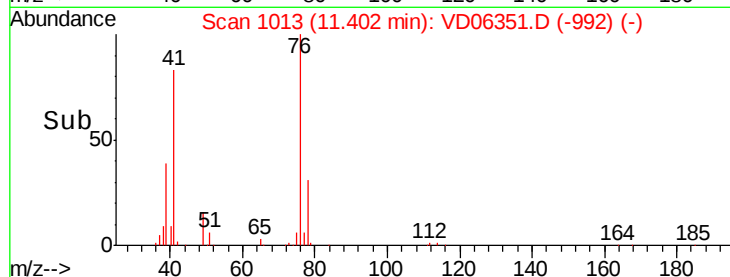
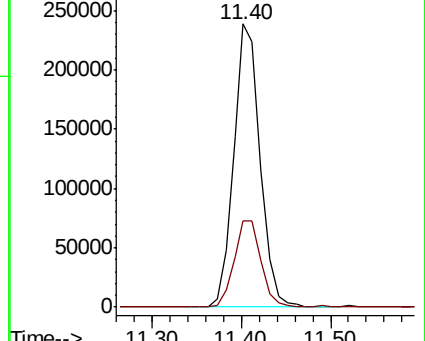
76 100

78 30.5 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 242.045 ug/l

RT: 9.86 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD06351.D

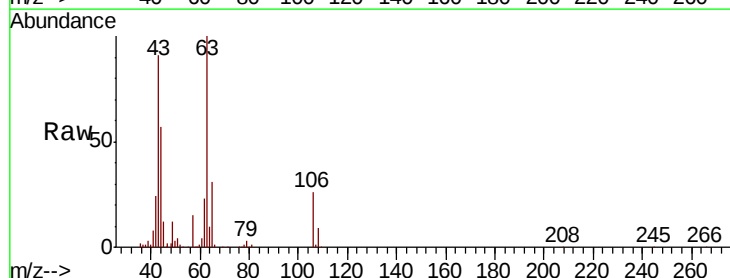
Acq: 3 Aug 2019 8:42

Tgt Ion: 63 Resp: 692767

Ion Ratio Lower Upper

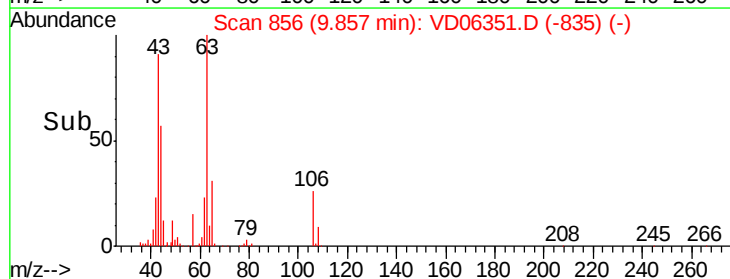
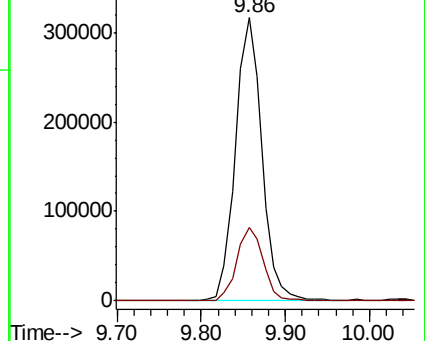
63 100

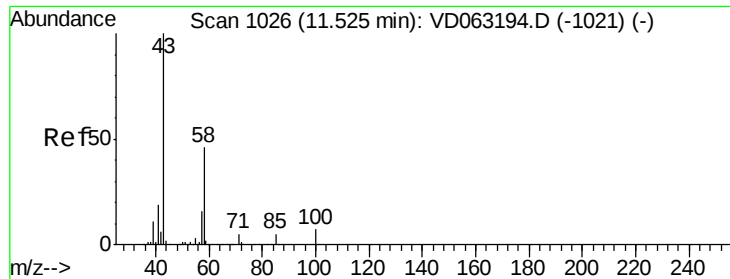
106 25.9 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

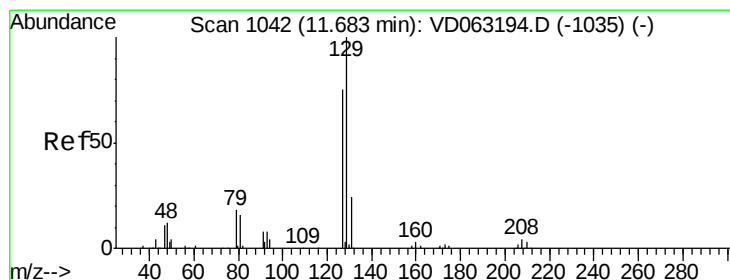
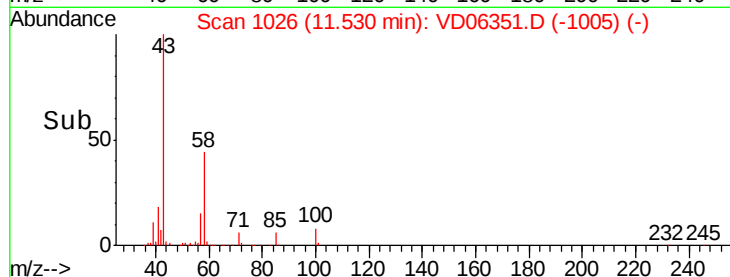
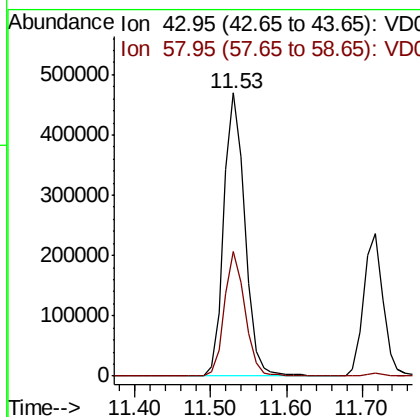
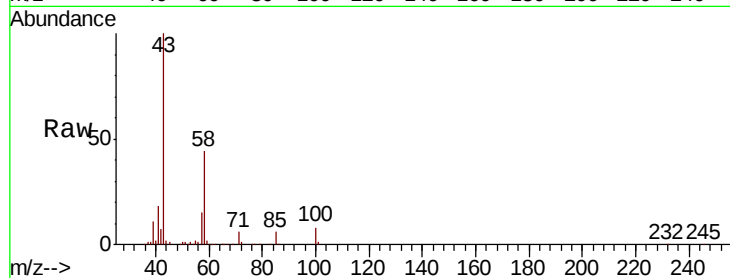




#59
2-Hexanone
Concen: 301.212 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

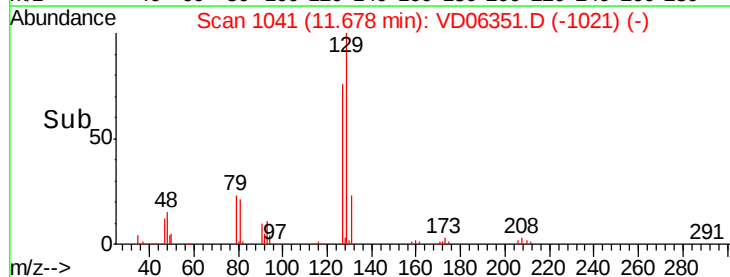
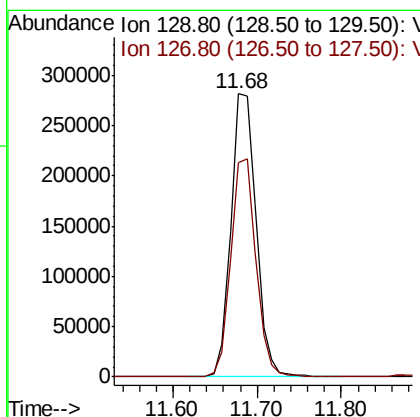
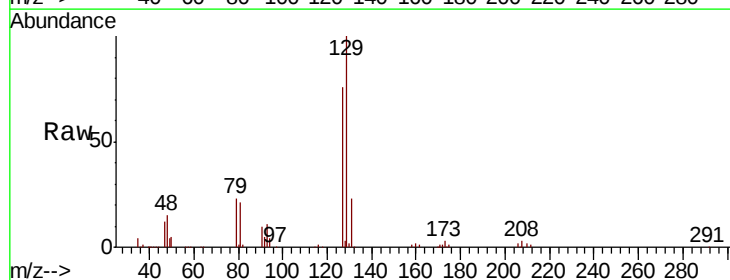
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 903942
Ion Ratio Lower Upper
43 100
58 44.3 22.9 68.5



#60
Dibromochloromethane
Concen: 61.790 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 129 Resp: 585951
Ion Ratio Lower Upper
129 100
127 75.8 37.6 112.8





#61

1,2-Dibromoethane

Concen: 63.043 ug/l

RT: 11.81 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

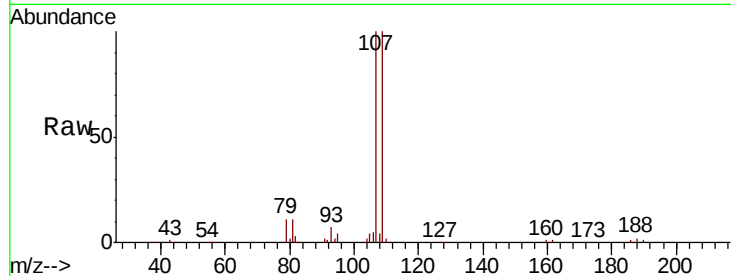
ClientSampleId :

Tgt Ion: 107 Resp: 390763

Ion Ratio Lower Upper

107 100

109 99.5 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.81

200000

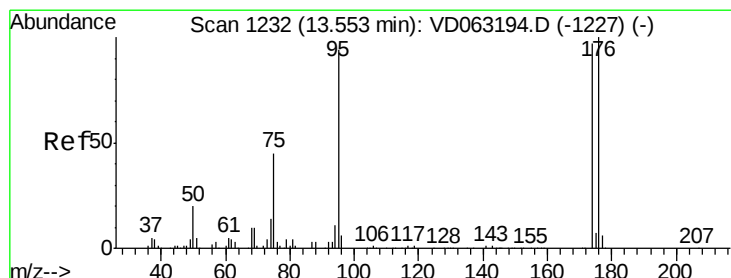
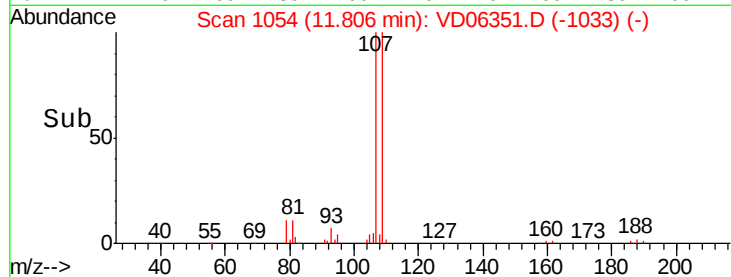
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.496 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

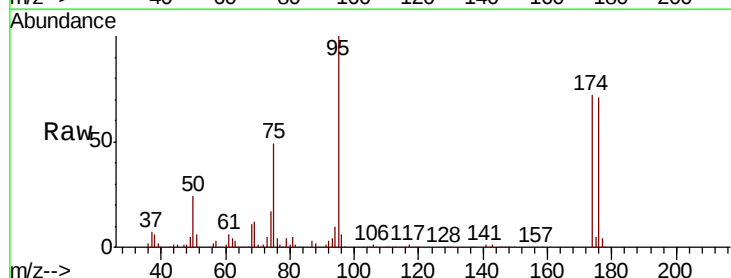
Tgt Ion: 95 Resp: 544594

Ion Ratio Lower Upper

95 100

174 71.8 0.0 205.4

176 70.6 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.55

500000

400000

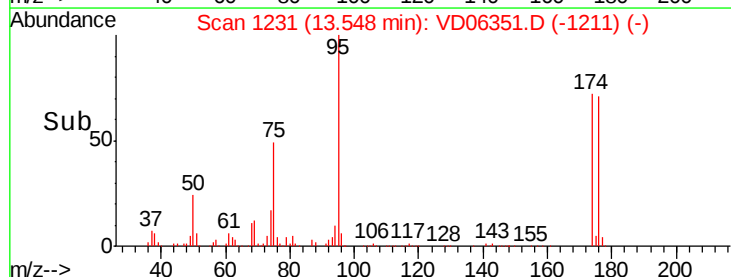
300000

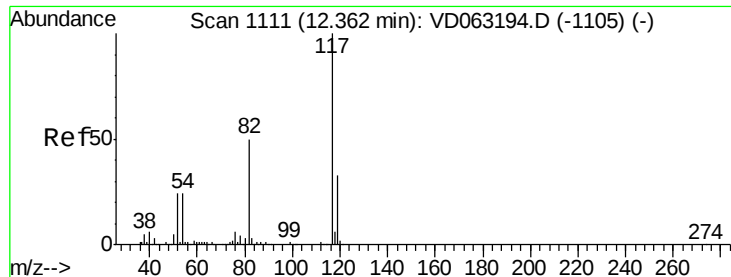
200000

100000

0

Time-->

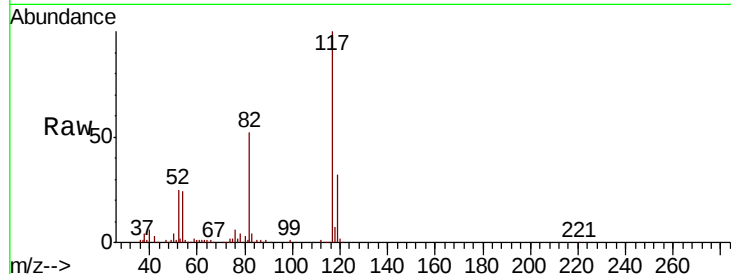




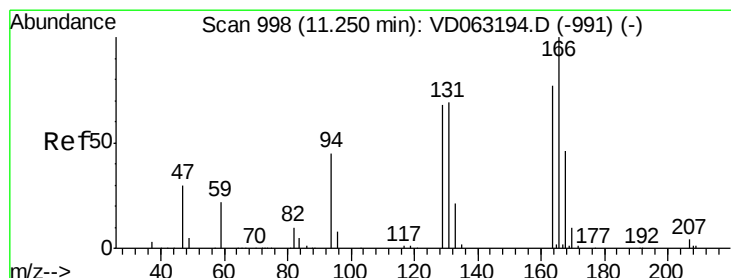
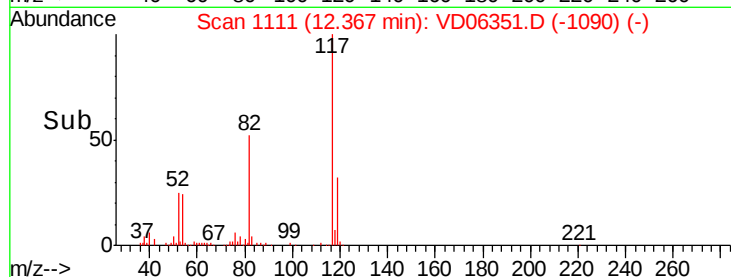
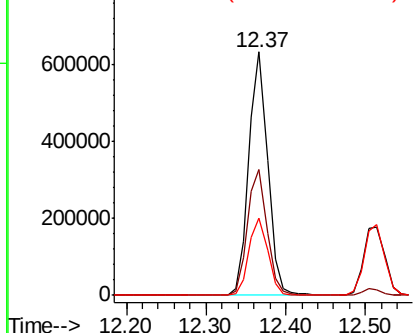
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 1027490
Ion Ratio Lower Upper
117 100
82 51.9 40.1 60.1
119 31.9 26.5 39.7

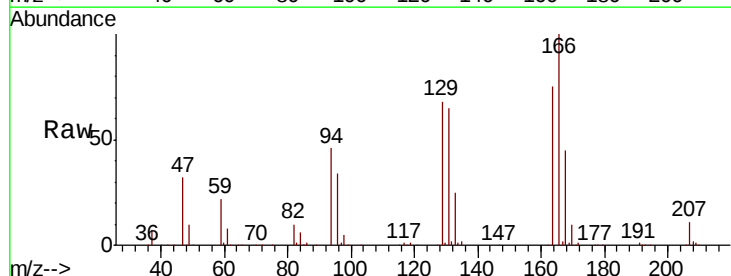


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

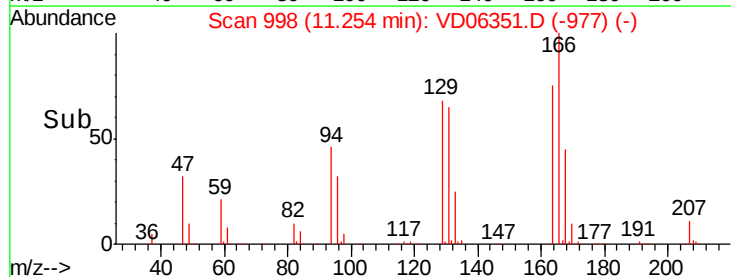
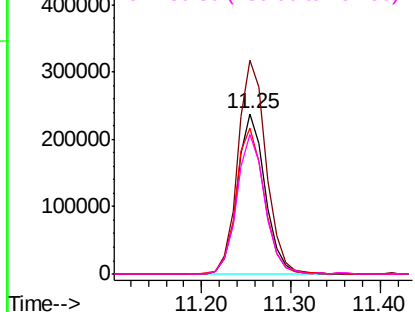


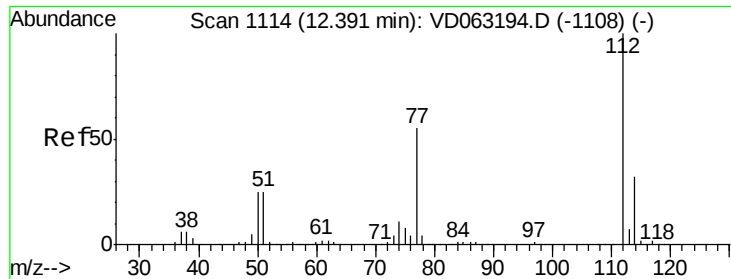
#64
Tetrachloroethene
Concen: 62.986 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Tgt Ion:164 Resp: 515578
Ion Ratio Lower Upper
164 100
166 133.0 104.3 156.5
129 90.7 70.9 106.3
131 87.0 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

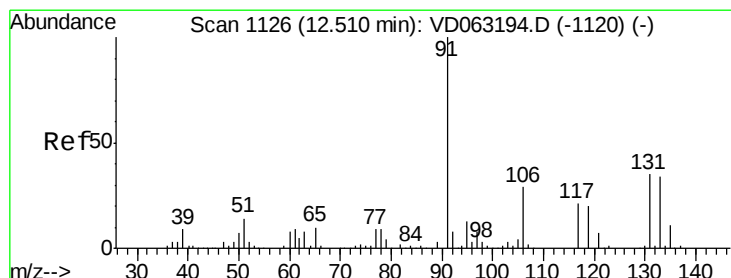
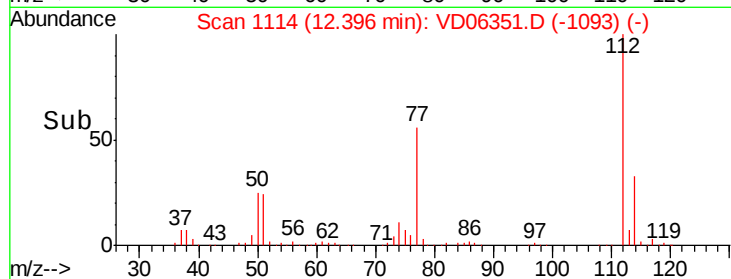
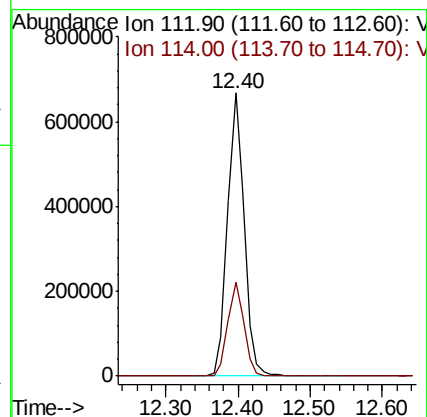
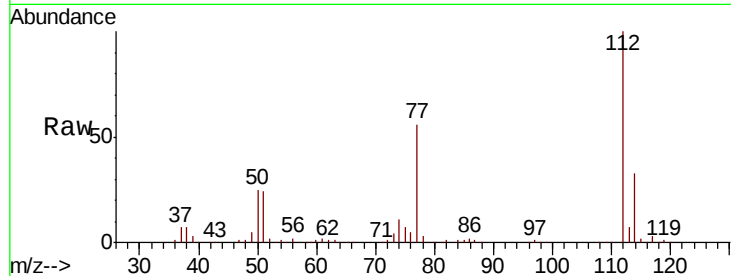




#65
Chlorobenzene
Concen: 53.791 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

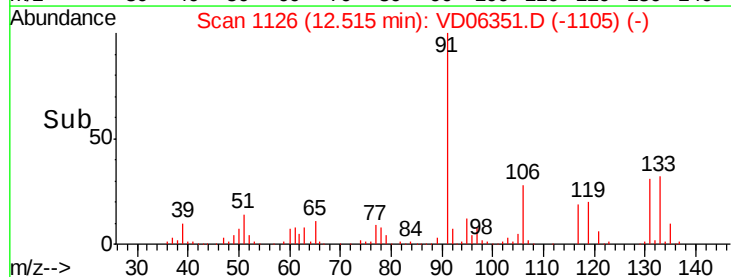
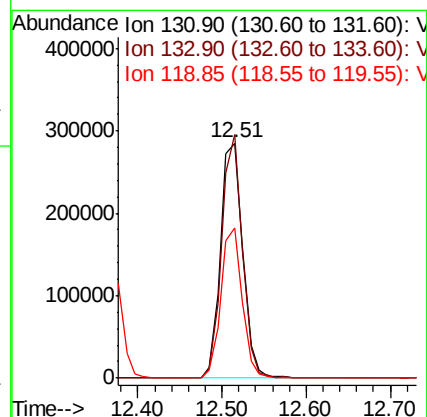
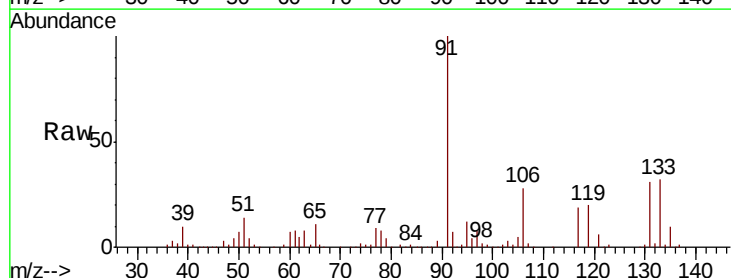
Instrument :
MSVOA_D
ClientSampleId :

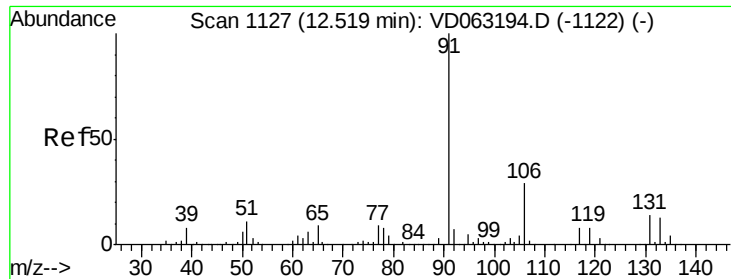
Tgt Ion:112 Resp: 1063092
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 60.304 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Tgt Ion:131 Resp: 524976
Ion Ratio Lower Upper
131 100
133 103.7 48.4 145.2
119 64.1 29.1 87.3

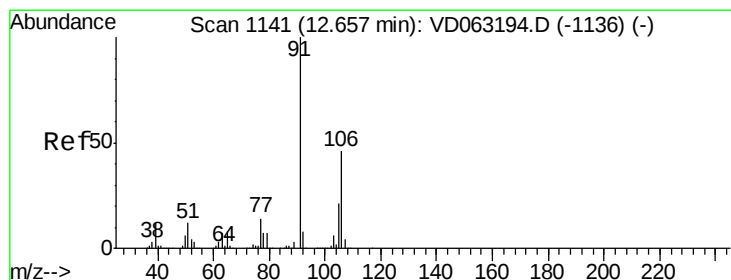
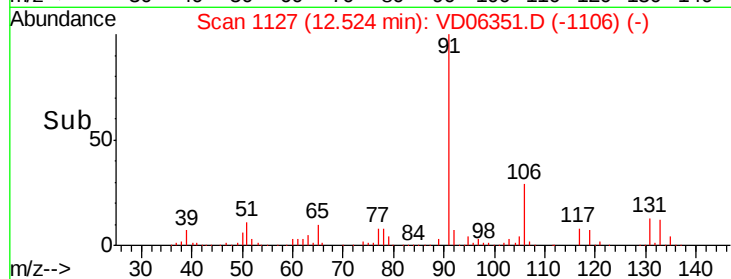
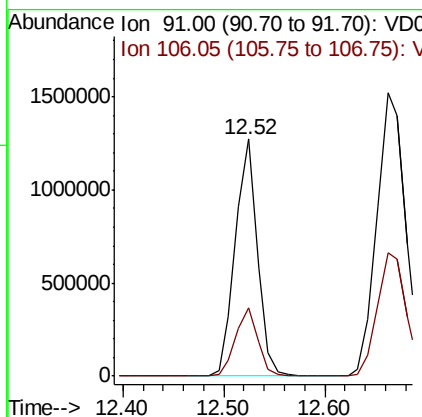
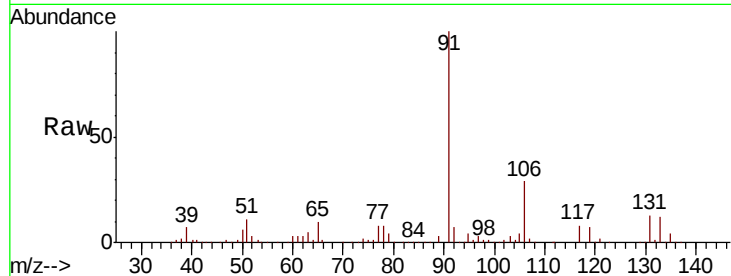




#67
Ethyl Benzene
Concen: 57.851 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

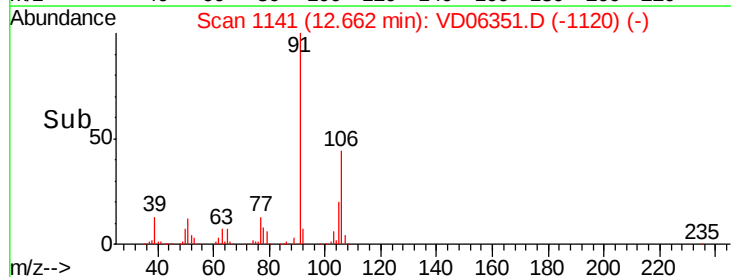
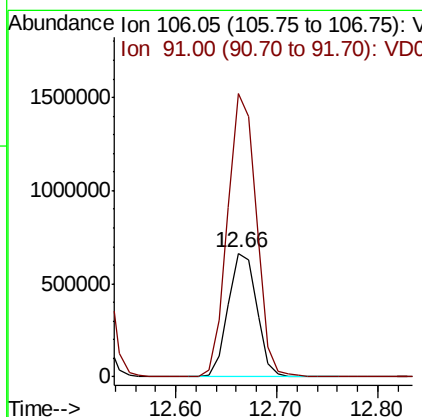
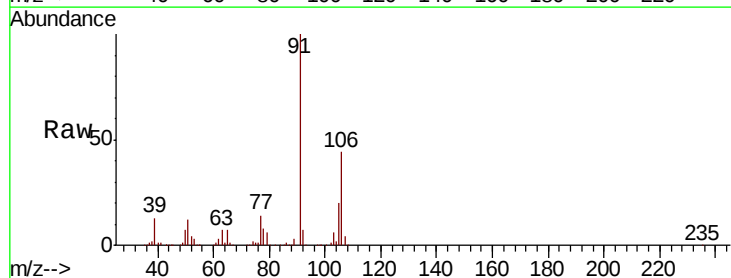
Instrument :
MSVOA_D
ClientSampleId :

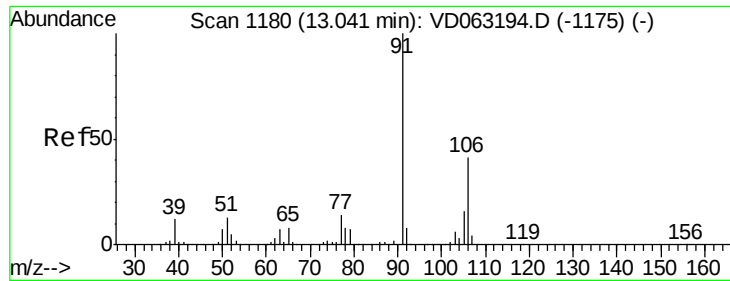
Tgt Ion: 91 Resp: 1942247
Ion Ratio Lower Upper
91 100
106 29.0 22.9 34.3



#68
m/p-Xylenes
Concen: 106.957 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 106 Resp: 1316894
Ion Ratio Lower Upper
106 100
91 228.7 172.6 259.0

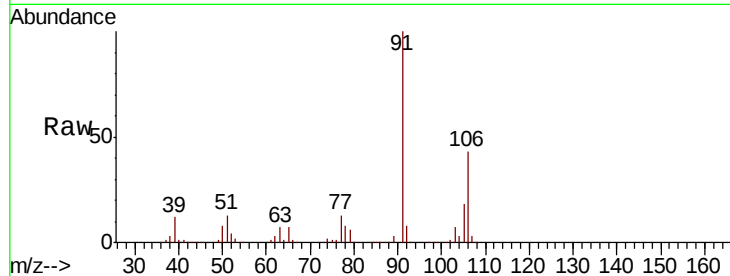




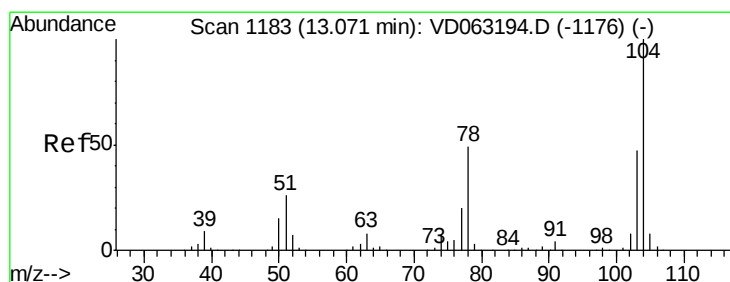
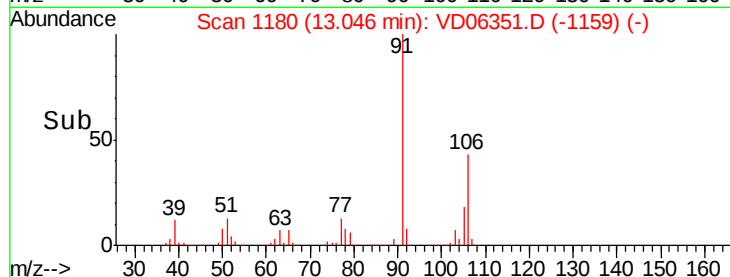
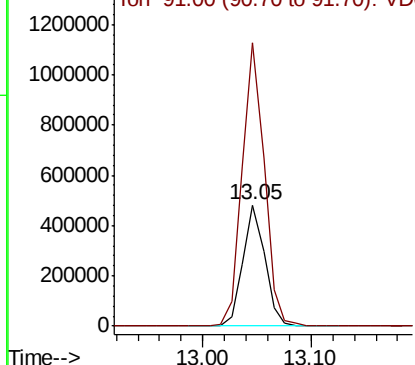
#69
o-Xylene
Concen: 60.604 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:106 Resp: 685220
Ion Ratio Lower Upper
106 100
91 233.7 121.3 363.9

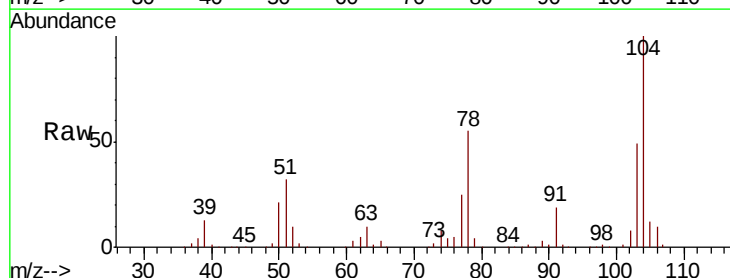


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

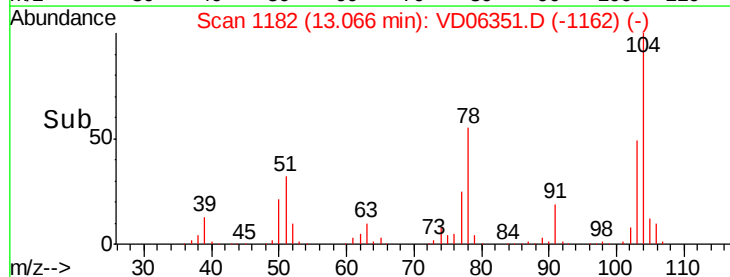
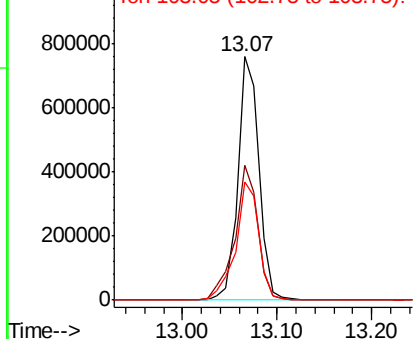


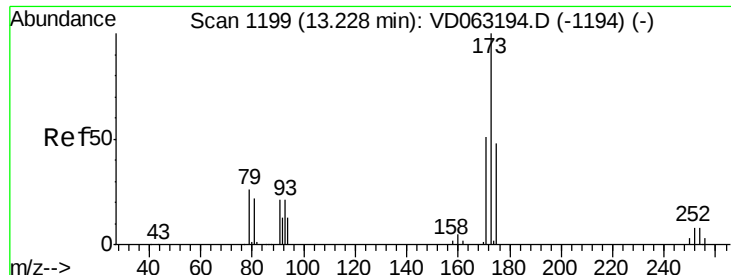
#70
Styrene
Concen: 58.225 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Tgt Ion:104 Resp: 1167479
Ion Ratio Lower Upper
104 100
78 55.2 39.4 59.0
103 48.6 37.4 56.2



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





#71

Bromoform

Concen: 60.880 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

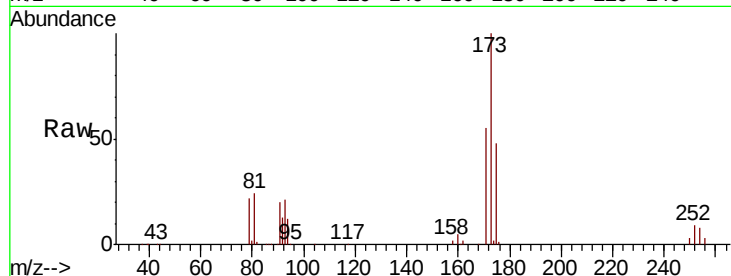
Tgt Ion:173 Resp: 385418

Ion Ratio Lower Upper

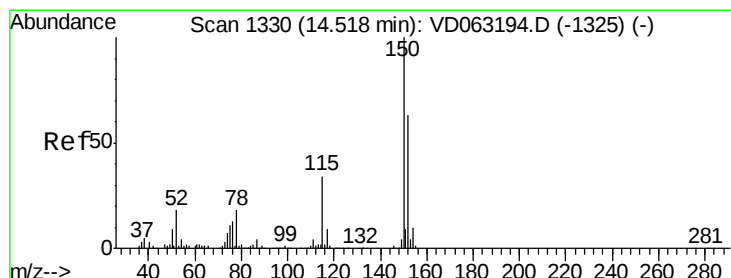
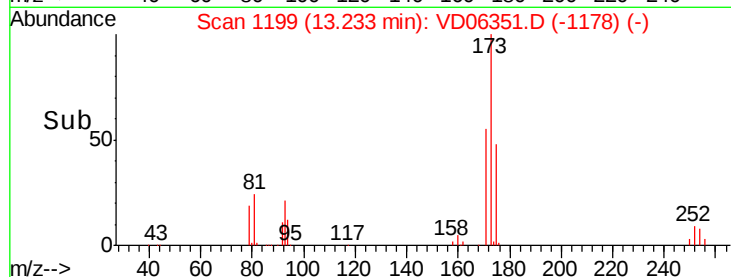
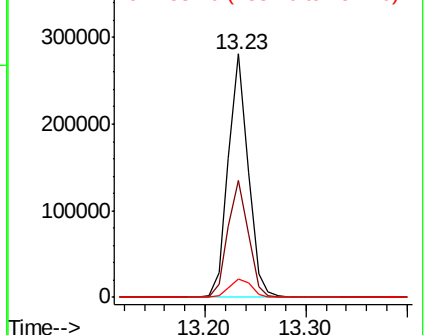
173 100

175 48.3 23.8 71.5

254 7.8 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: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

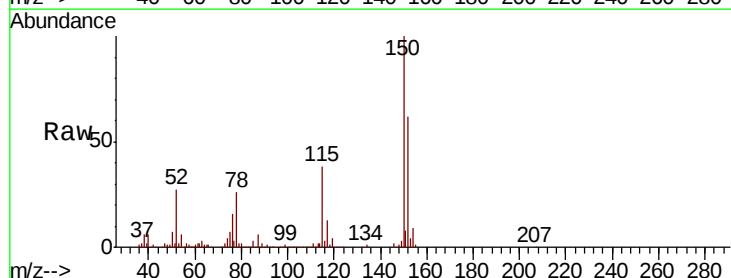
Tgt Ion:152 Resp: 591635

Ion Ratio Lower Upper

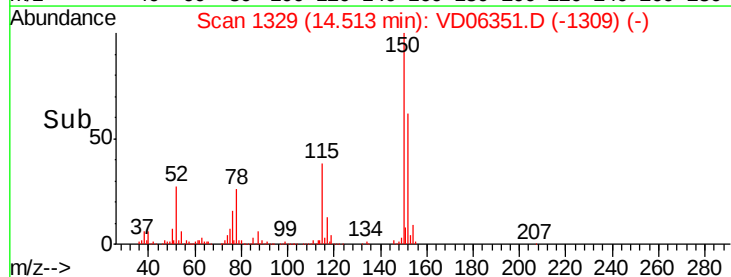
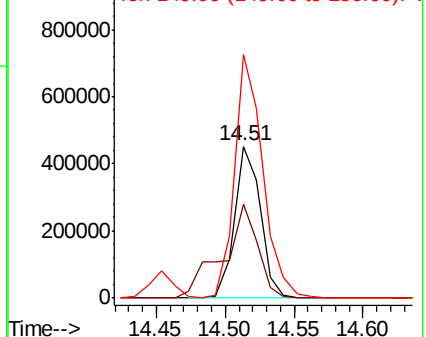
152 100

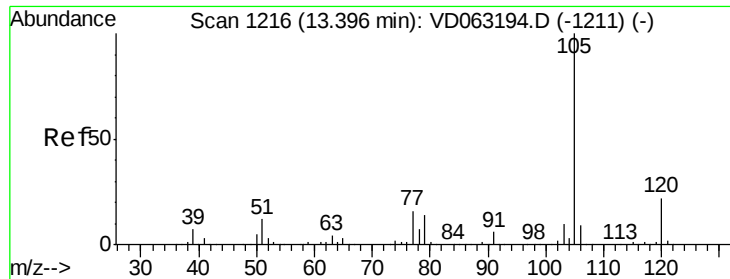
115 61.6 27.5 82.4

150 160.4 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: 55.294 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

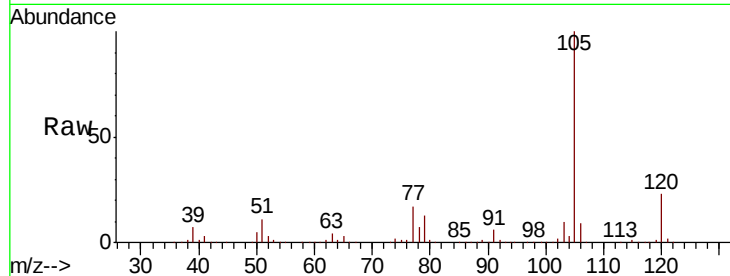
ClientSampled :

Tgt Ion: 105 Resp: 2053217

Ion Ratio Lower Upper

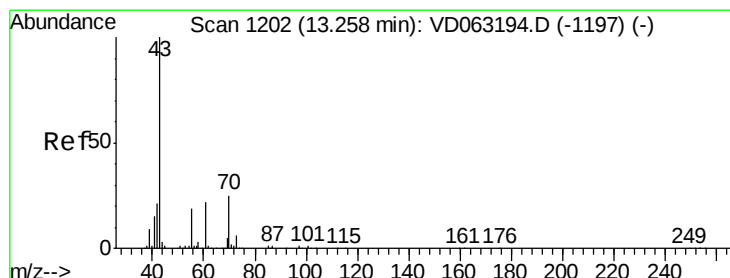
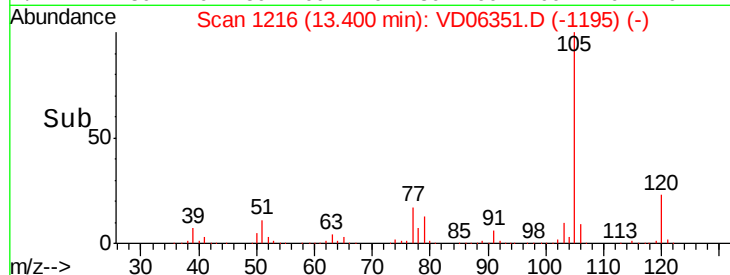
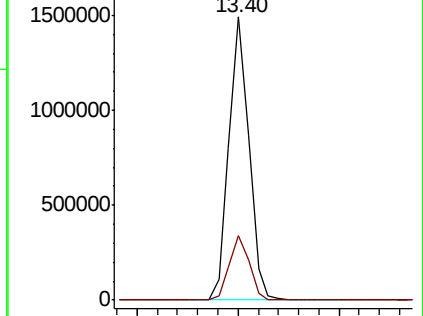
105 100

120 22.9 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: 50.866 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Tgt Ion: 43 Resp: 499322

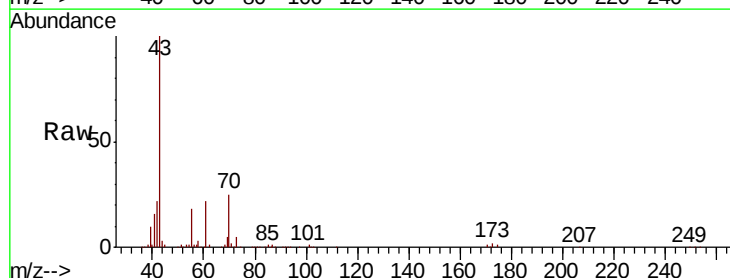
Ion Ratio Lower Upper

43 100

70 25.3 20.2 30.4

55 18.0 14.9 22.3

61 21.8 17.9 26.9

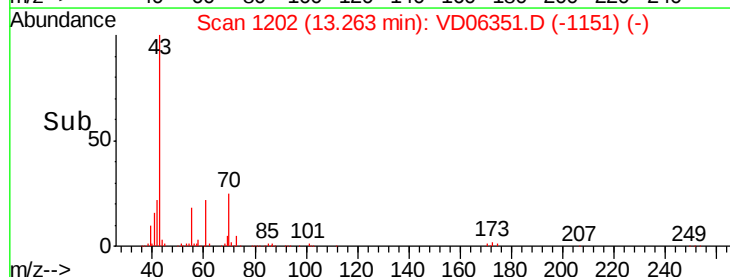
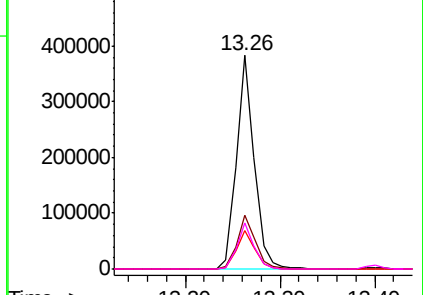


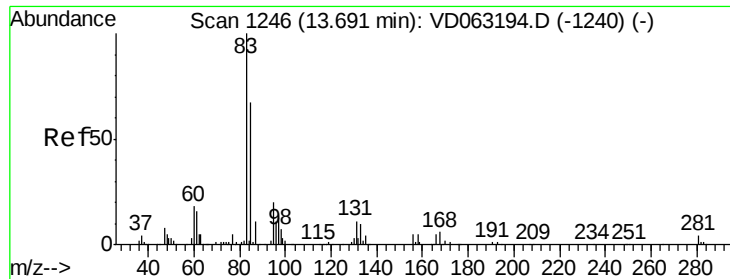
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.216 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

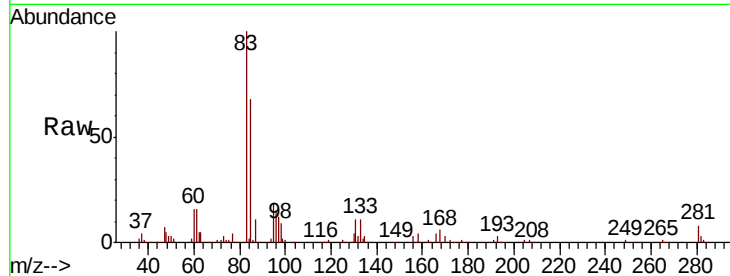
Tgt Ion: 83 Resp: 354585

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.7

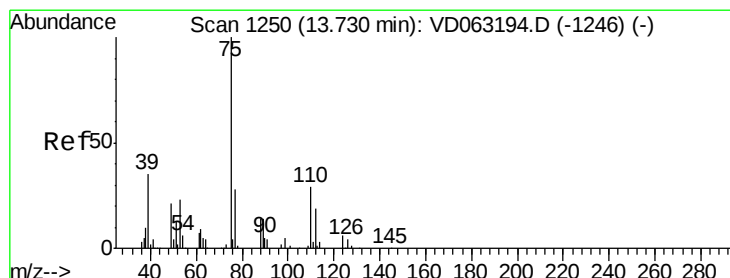
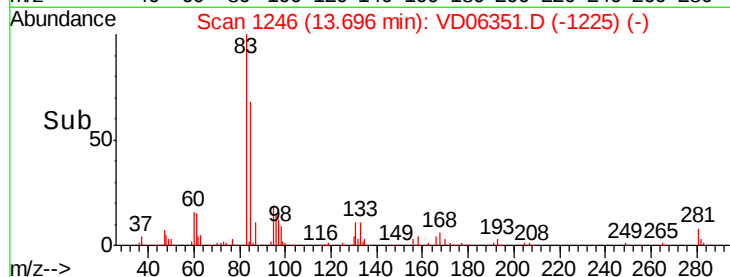
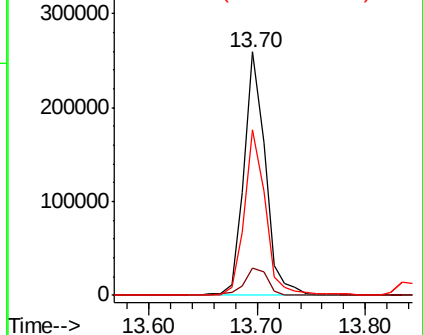
85 67.7 33.7 101.1



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: 55.011 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD06351.D

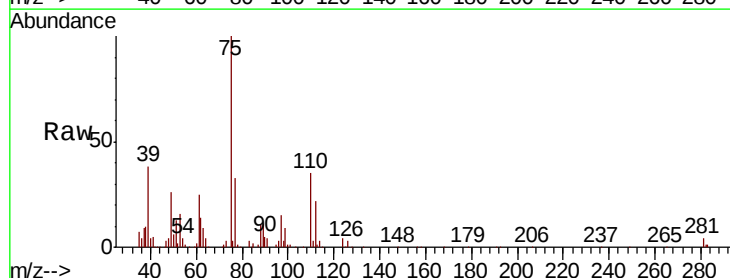
Acq: 3 Aug 2019 8:42

Tgt Ion: 75 Resp: 390924

Ion Ratio Lower Upper

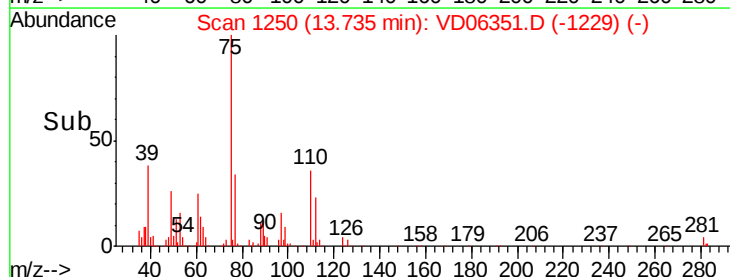
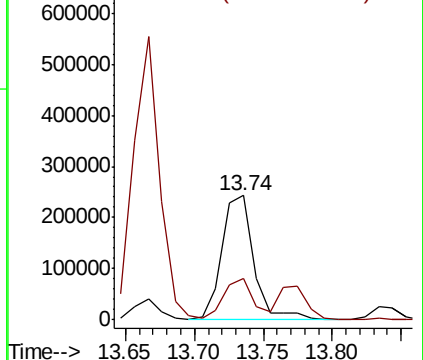
75 100

77 33.5 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

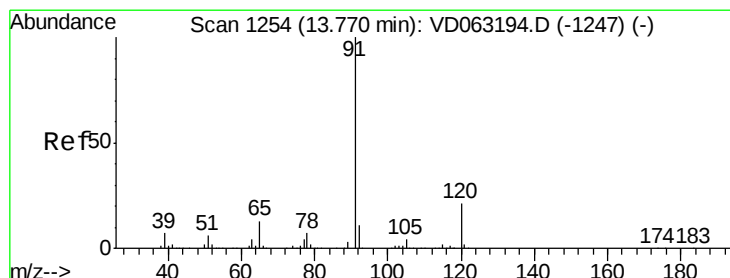
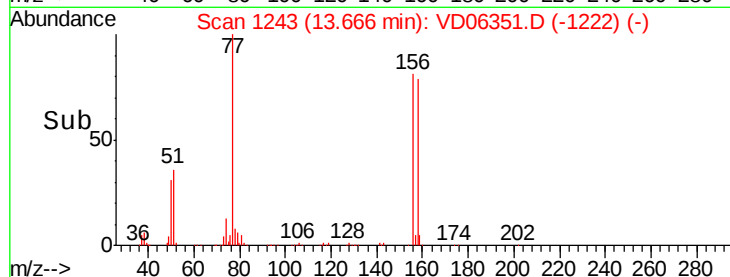
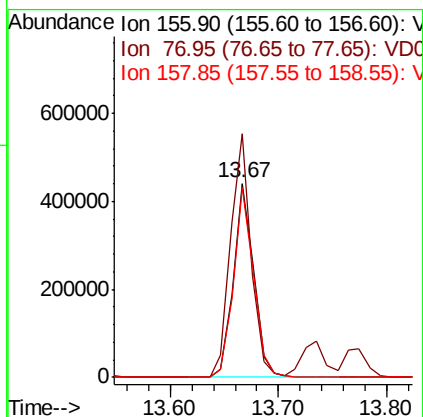
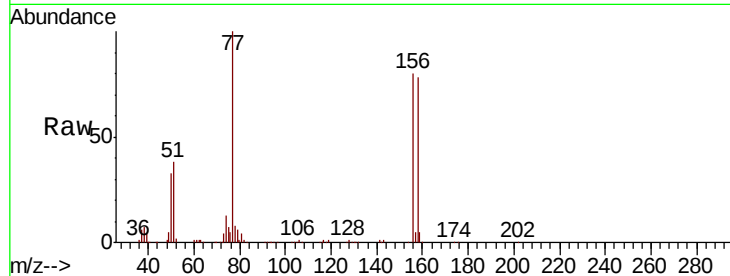




#77
Bromobenzene
Concen: 54.690 ug/l
RT: 13.67 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

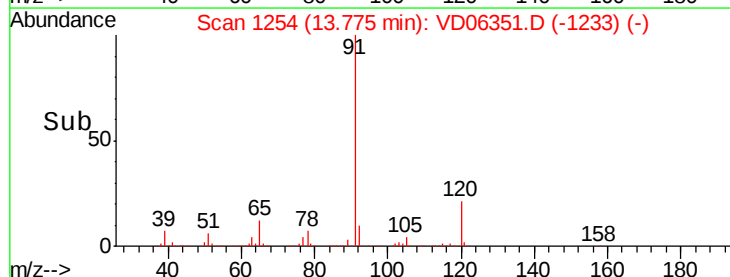
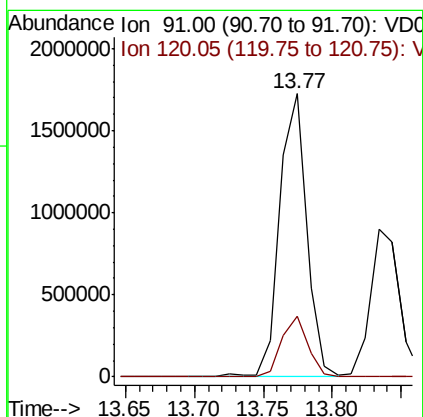
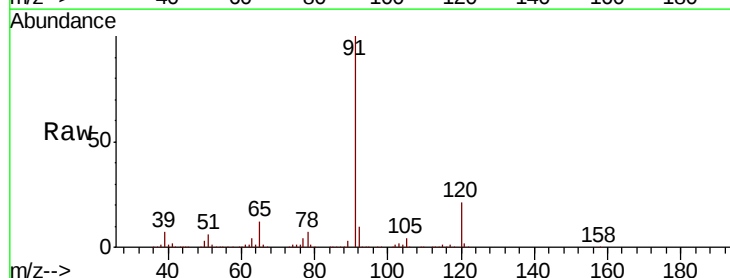
Instrument :
MSVOA_D
ClientSampleId :

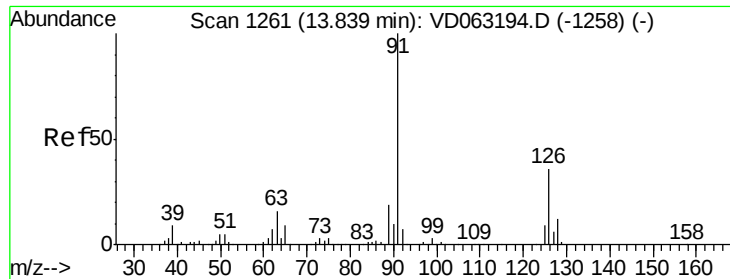
Tgt Ion: 156 Resp: 578508
Ion Ratio Lower Upper
156 100
77 125.3 67.6 202.8
158 97.5 49.8 149.4



#78
n-propylbenzene
Concen: 53.056 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 91 Resp: 2344503
Ion Ratio Lower Upper
91 100
120 21.4 10.7 32.1





#79

2-Chlorotoluene

Concen: 51.684 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

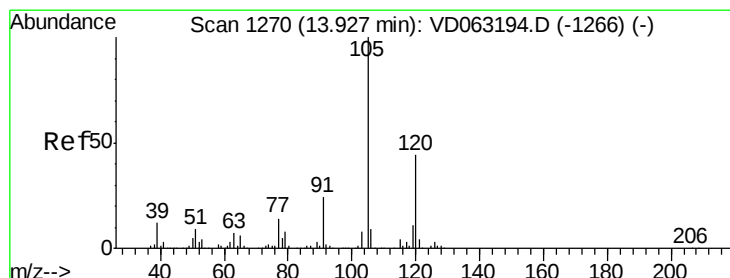
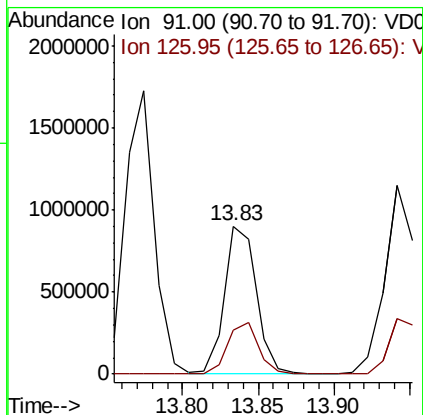
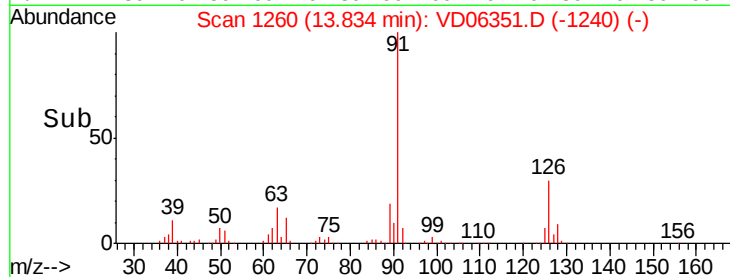
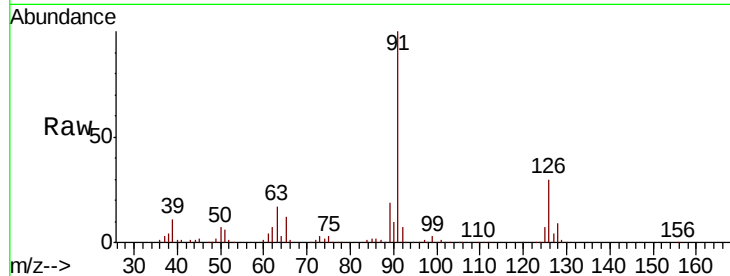
ClientSampled :

Tgt Ion: 91 Resp: 1323340

Ion Ratio Lower Upper

91 100

126 29.8 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 51.741 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD06351.D

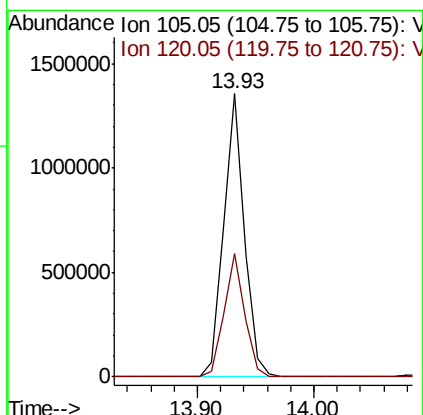
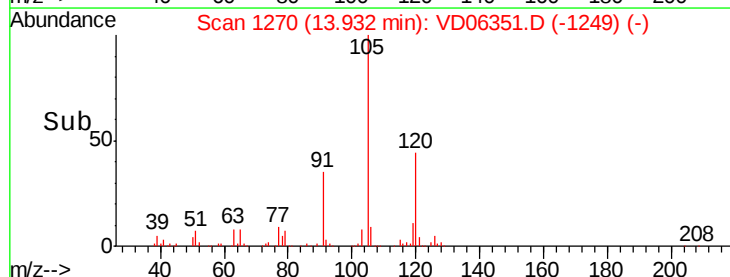
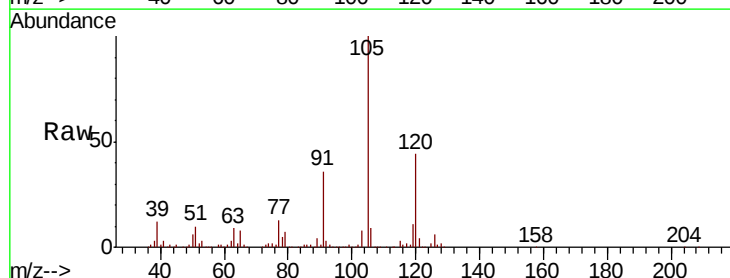
Acq: 3 Aug 2019 8:42

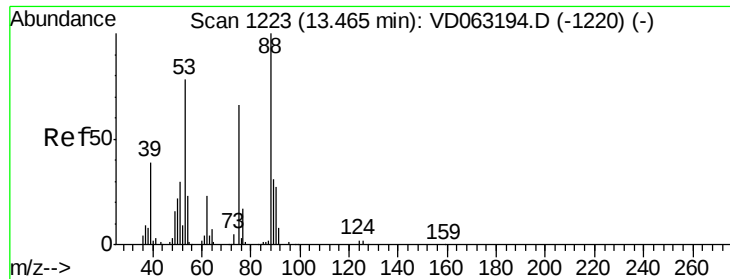
Tgt Ion: 105 Resp: 1657112

Ion Ratio Lower Upper

105 100

120 43.8 22.1 66.1

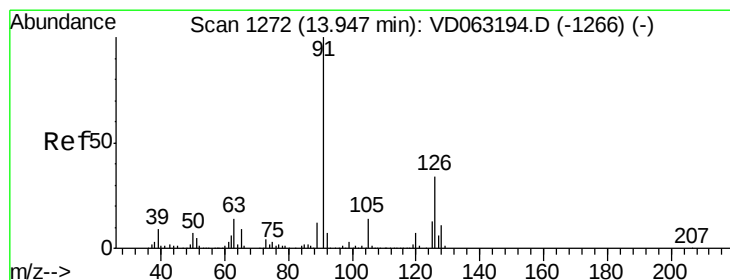
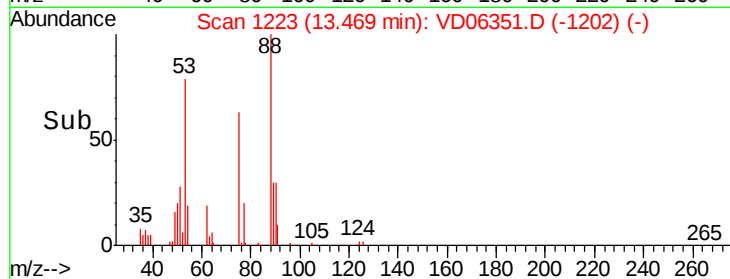
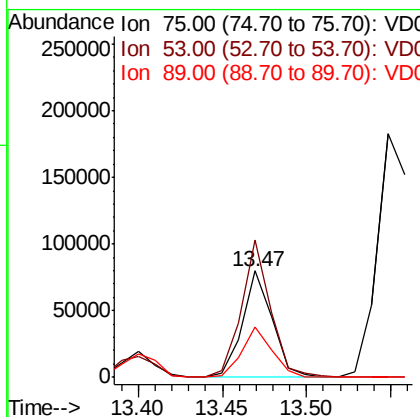
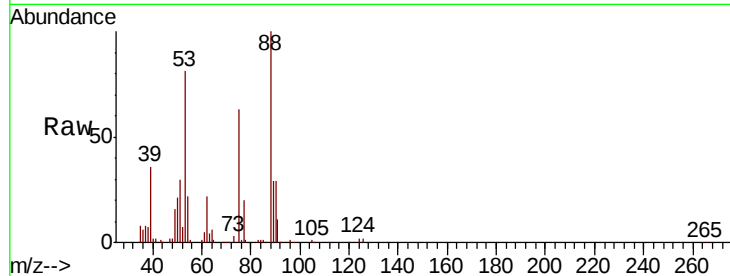




#81
trans-1,4-Dichloro-2-butene
Concen: 49.761 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

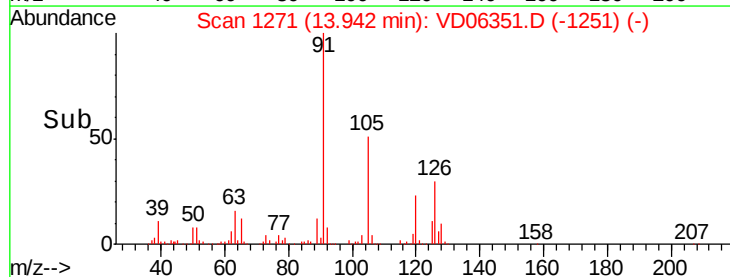
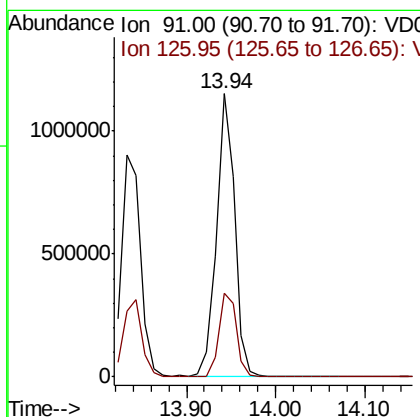
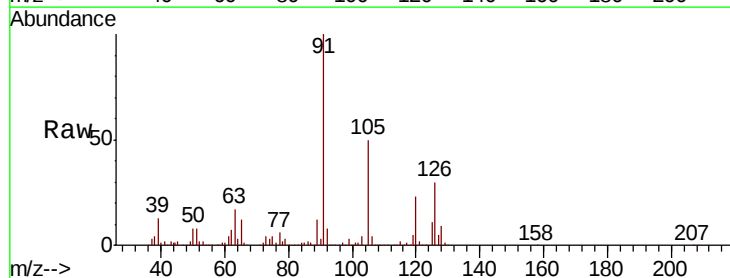
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 98192
Ion Ratio Lower Upper
75 100
53 128.6 94.9 142.3
89 46.7 37.4 56.0



#82
4-Chlorotoluene
Concen: 54.243 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Tgt Ion: 91 Resp: 1634523
Ion Ratio Lower Upper
91 100
126 29.7 17.1 51.2

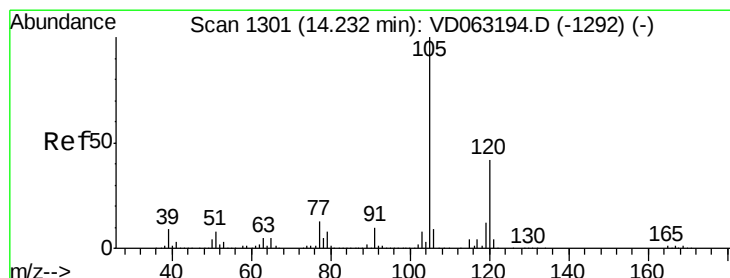
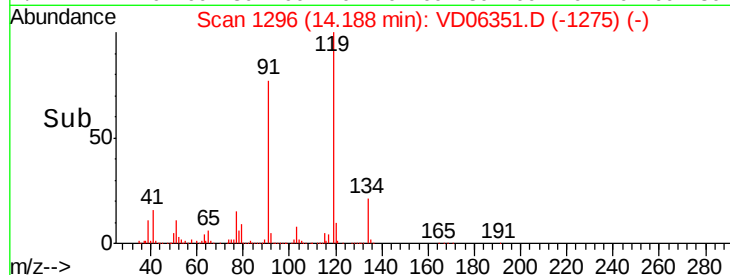
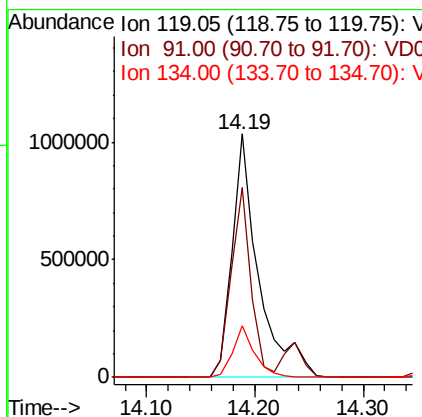
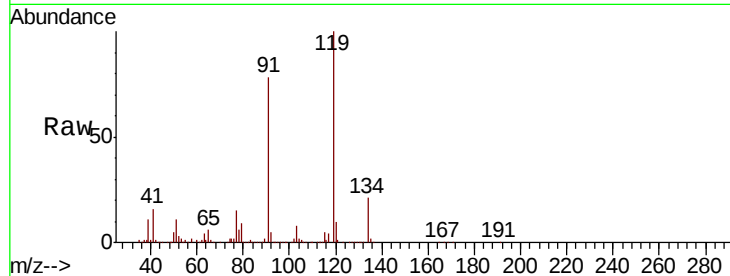




#83
 tert-Butylbenzene
 Concen: 48.487 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

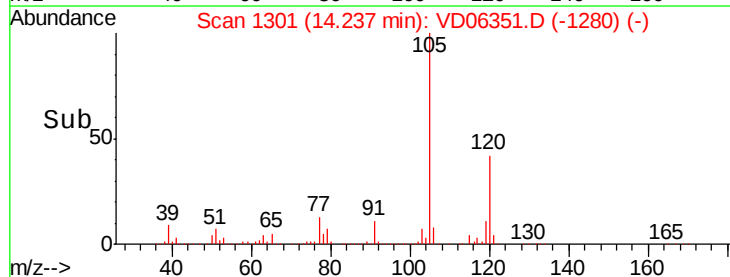
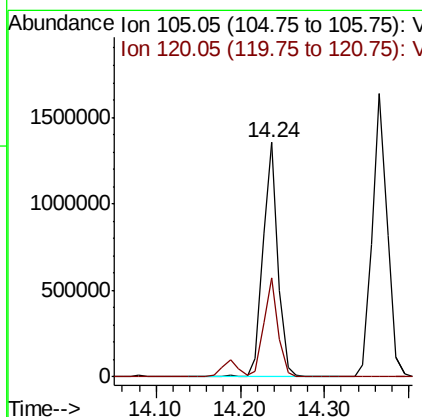
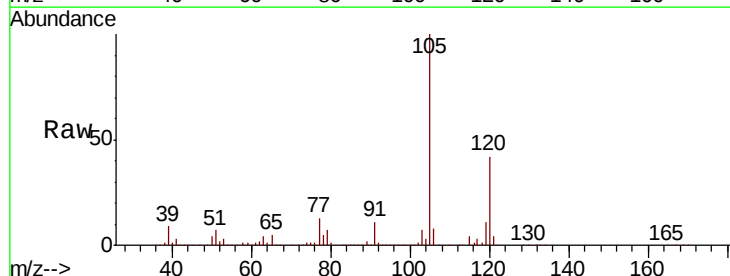
Instrument :
 MSVOA_D
 ClientSampled :

Tgt Ion:119 Resp: 1773094
 Ion Ratio Lower Upper
 119 100
 91 77.8 39.1 117.5
 134 21.2 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.500 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion:105 Resp: 1706041
 Ion Ratio Lower Upper
 105 100
 120 42.4 20.9 62.7

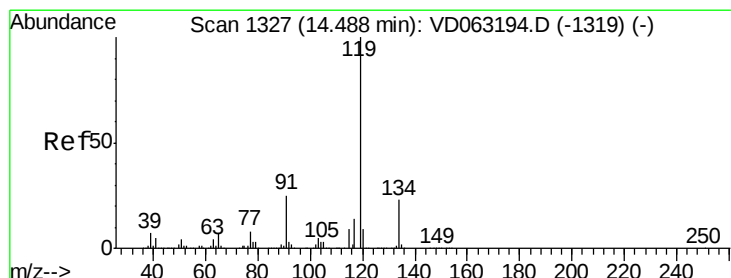
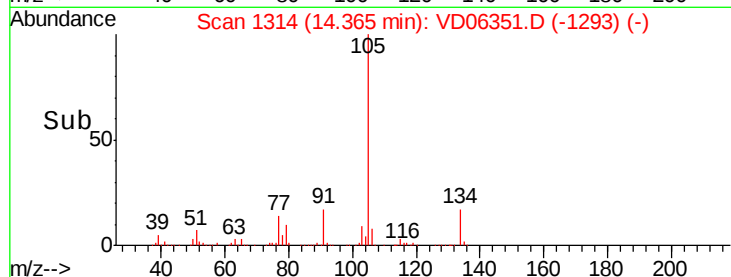
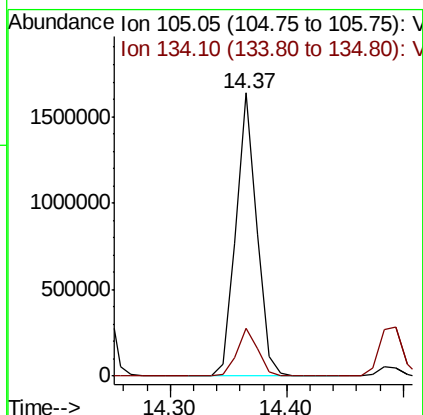
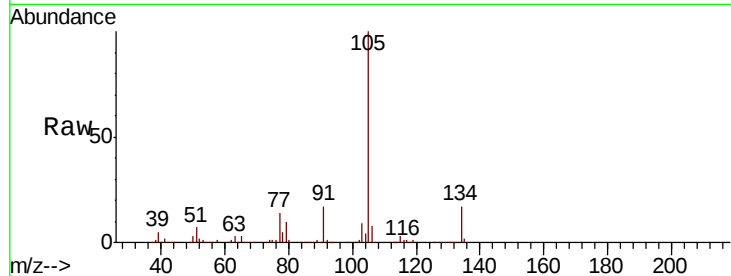




#85
 sec-Butylbenzene
 Concen: 52.620 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

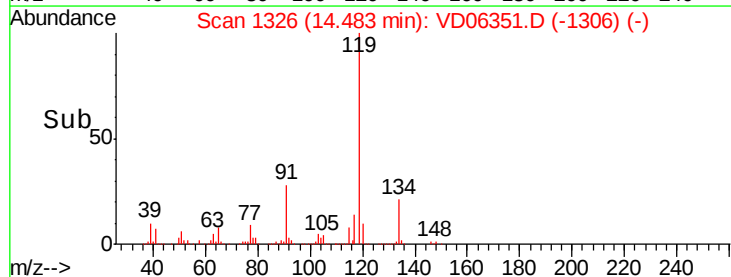
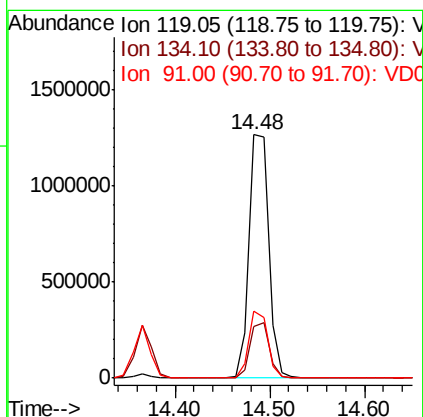
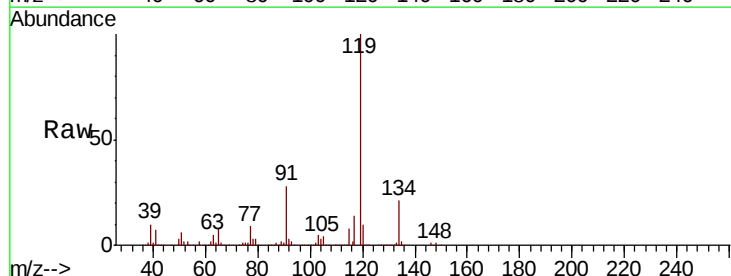
Instrument :
 MSVOA_D
 ClientSampleId :

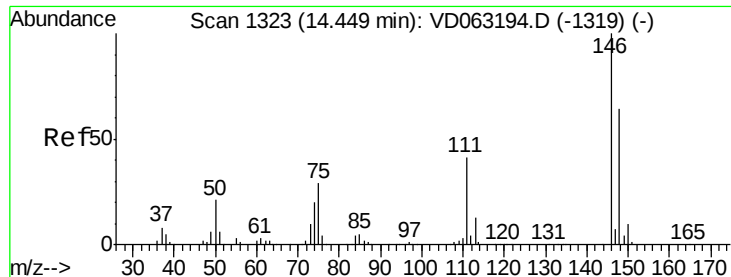
Tgt Ion:105 Resp: 2027347
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 49.872 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion:119 Resp: 1833963
 Ion Ratio Lower Upper
 119 100
 134 21.3 11.5 34.5
 91 27.7 12.6 37.6

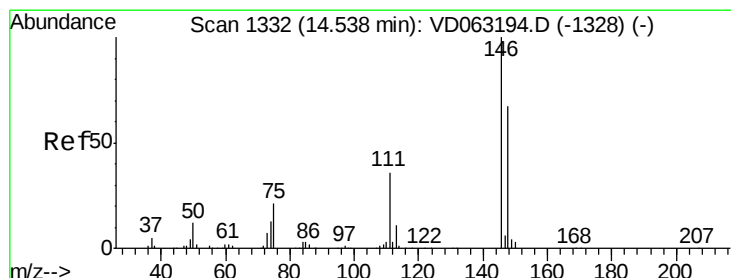
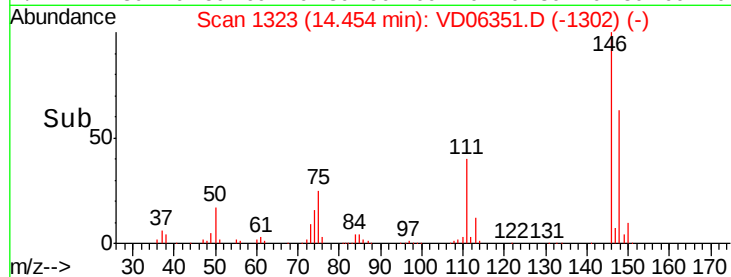
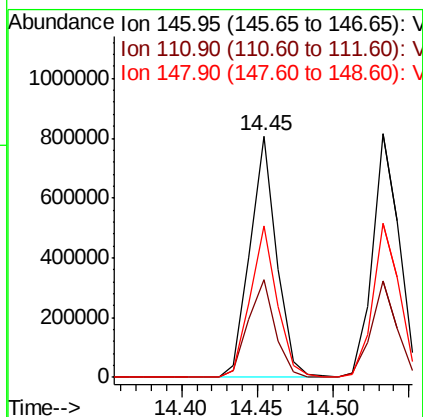
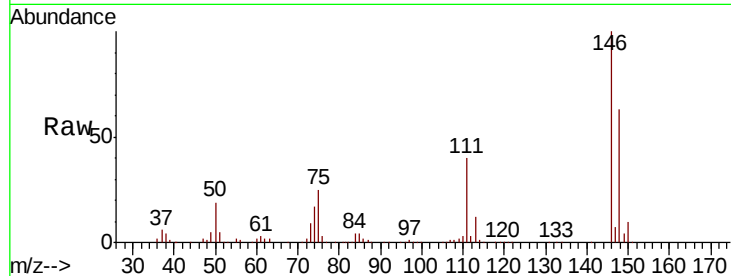




#87
 1,3-Dichlorobenzene
 Concen: 52.868 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

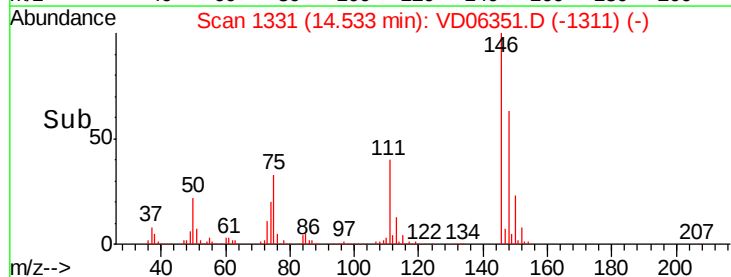
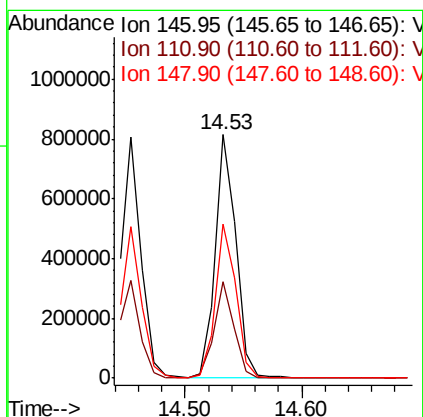
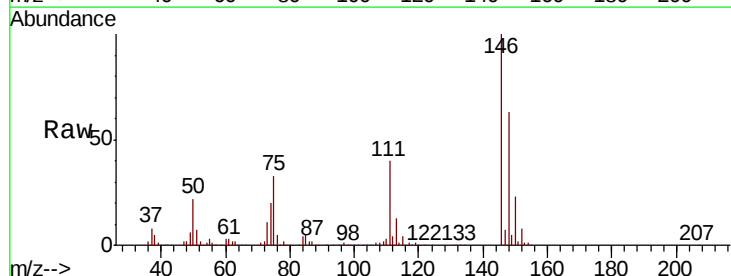
Instrument :
 MSVOA_D
 ClientSampled :

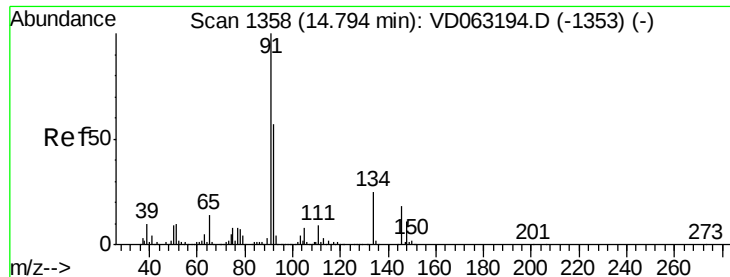
Tgt Ion:146 Resp: 990376
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.4 61.3
 148 63.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 52.720 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion:146 Resp: 998672
 Ion Ratio Lower Upper
 146 100
 111 39.7 18.1 54.3
 148 63.3 33.4 100.1





#89

n-Butylbenzene

Concen: 55.166 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD06351.D

Acq: 3 Aug 2019 8:42

Instrument :

MSVOA_D

ClientSampleId :

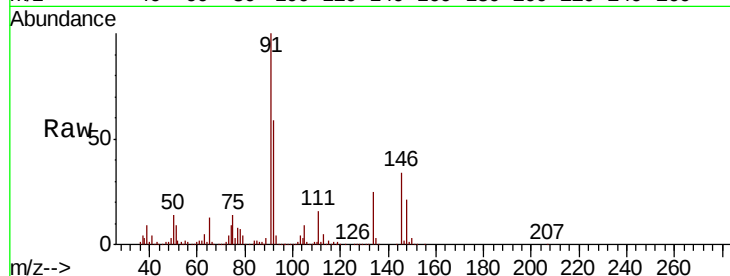
Tgt Ion: 91 Resp: 1752115

Ion	Ratio	Lower	Upper
91	100		
92	59.5	28.3	85.0
134	25.2	12.3	36.8

91 100

92 59.5 28.3 85.0

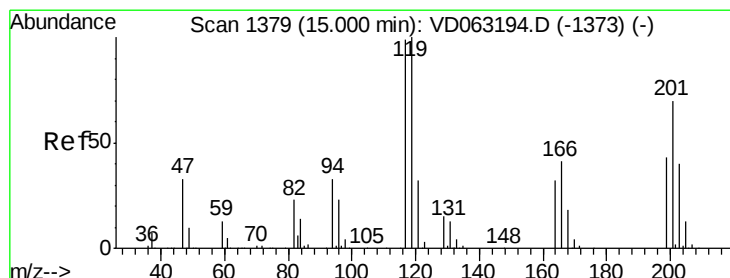
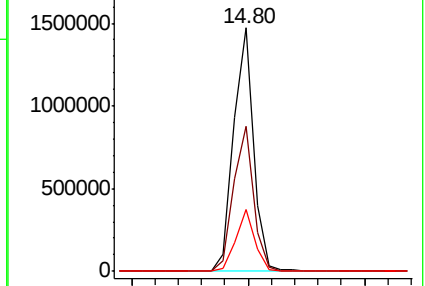
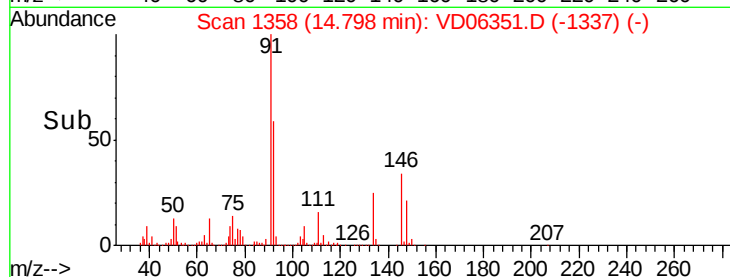
134 25.2 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 51.380 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD06351.D

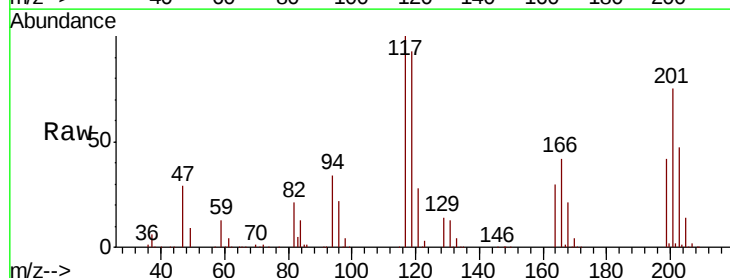
Acq: 3 Aug 2019 8:42

Tgt Ion: 117 Resp: 492257

Ion	Ratio	Lower	Upper
117	100		
201	75.5	35.2	105.6

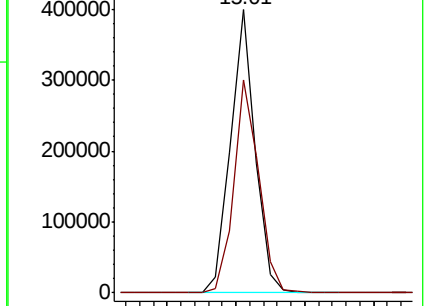
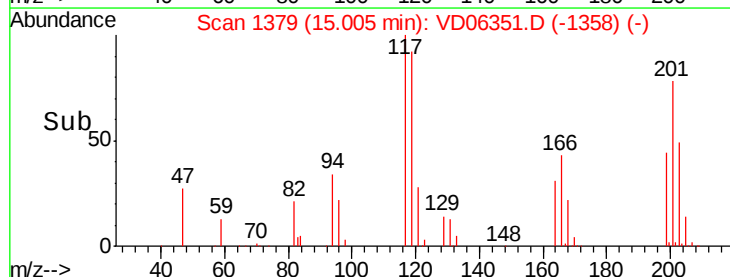
117 100

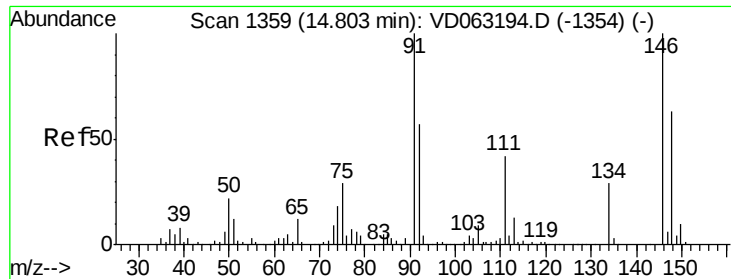
201 75.5 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

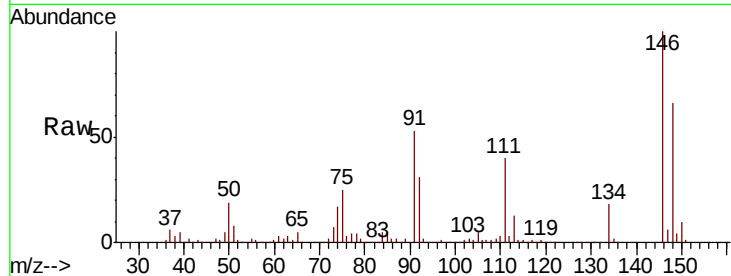




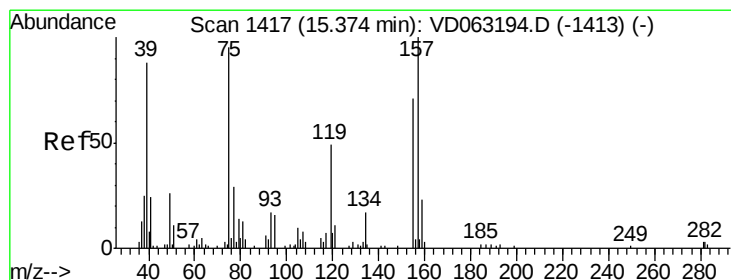
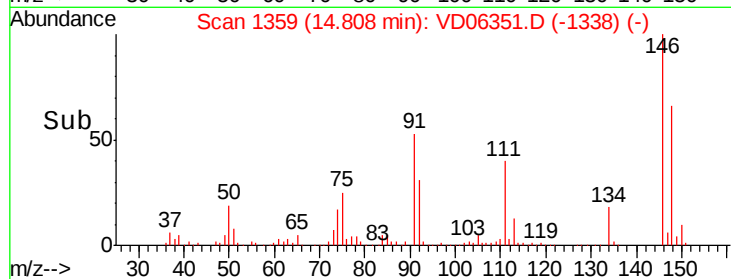
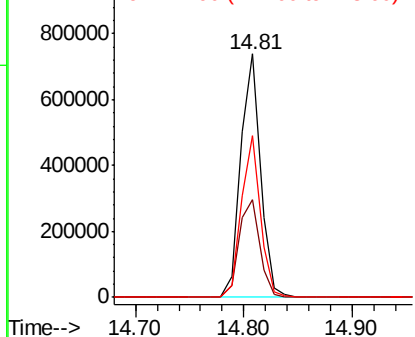
#91
 1,2-Dichlorobenzene
 Concen: 57.405 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Instrument :
 MSVOA_D
 ClientSampleID :

Tgt Ion: 146 Resp: 936946
 Ion Ratio Lower Upper
 146 100
 111 40.0 21.1 63.3
 148 66.3 31.6 94.8

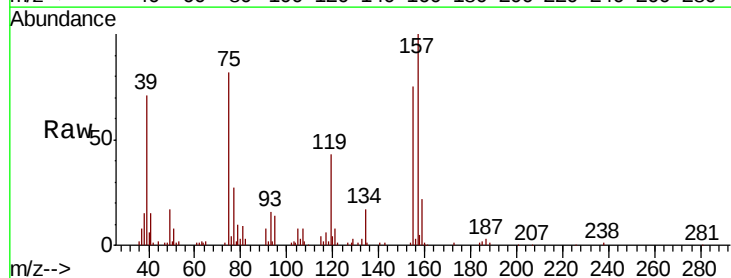


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

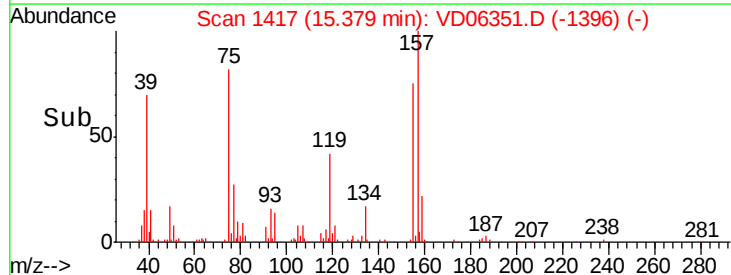
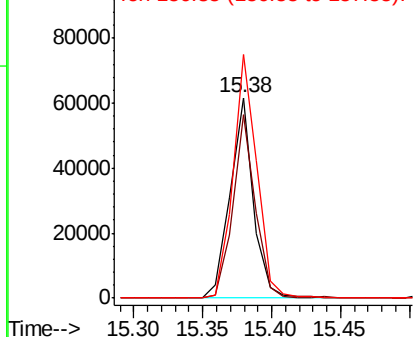


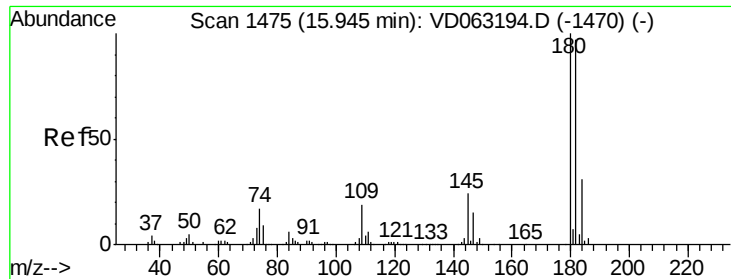
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.043 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion: 75 Resp: 72004
 Ion Ratio Lower Upper
 75 100
 155 91.6 37.0 111.0
 157 121.6 52.4 157.2



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

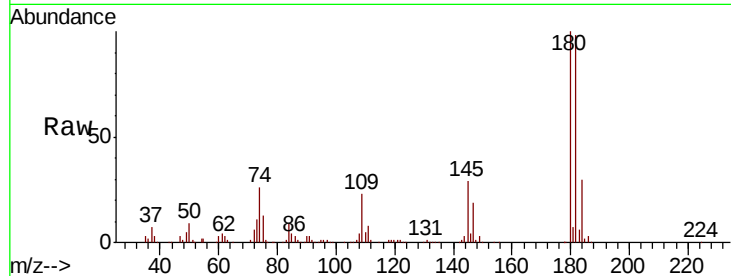




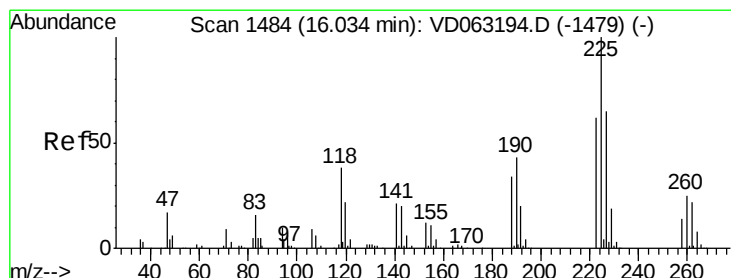
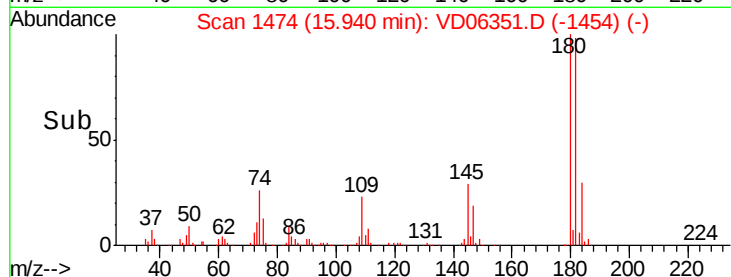
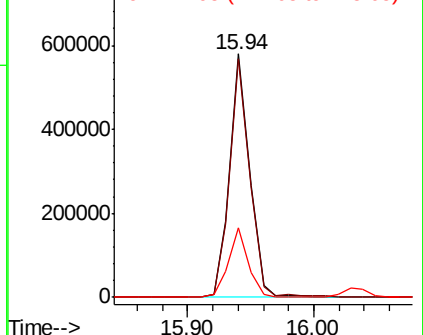
#93
 1,2,4-Trichlorobenzene
 Concen: 49.261 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:180 Resp: 637828
 Ion Ratio Lower Upper
 180 100
 182 98.1 48.6 145.8
 145 28.6 12.2 36.6

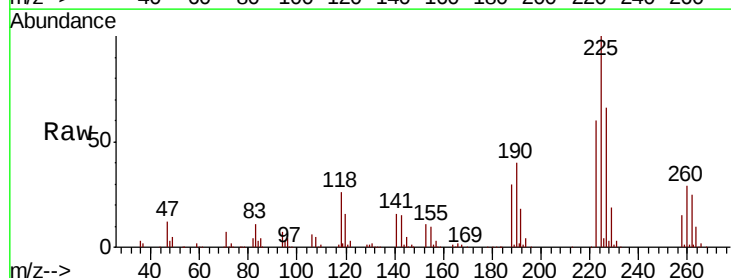


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

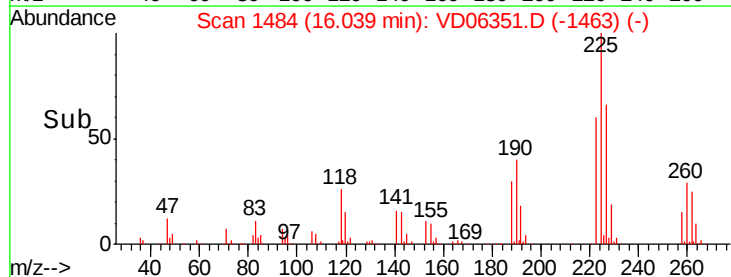
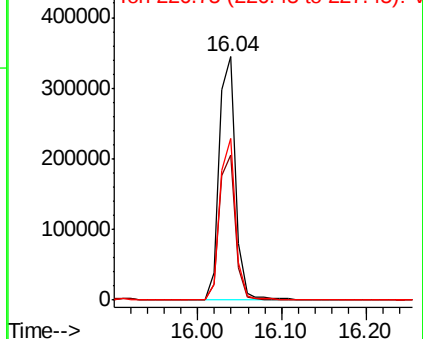


#94
 Hexachlorobutadiene
 Concen: 49.794 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD06351.D
 Acq: 3 Aug 2019 8:42

Tgt Ion:225 Resp: 467222
 Ion Ratio Lower Upper
 225 100
 223 59.5 30.9 92.5
 227 66.5 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

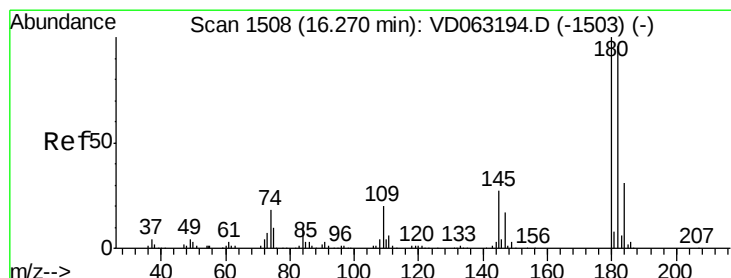
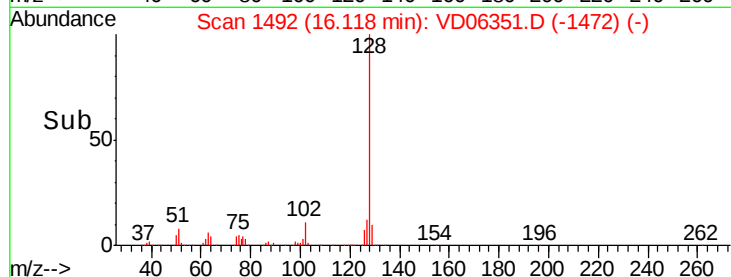
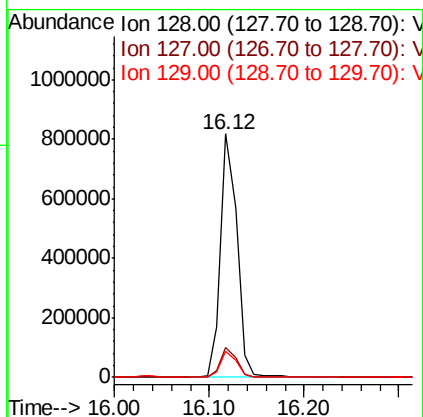
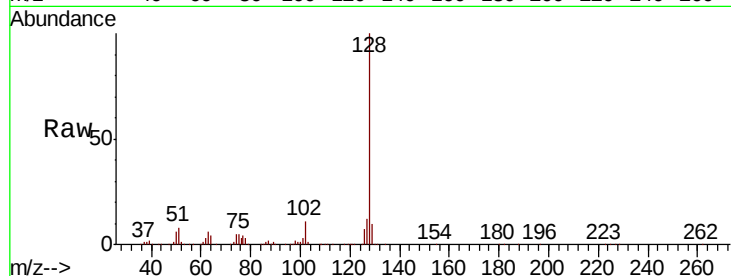




#95
Naphthalene
Concen: 54.264 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 993063
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.4
129 10.5 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 52.593 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD06351.D
Acq: 3 Aug 2019 8:42

Tgt Ion:180 Resp: 537965
Ion Ratio Lower Upper
180 100
182 95.6 48.3 144.9
145 31.7 13.6 40.7

