

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081519\
 Data File : VD063602.D
 Acq On : 15 Aug 2019 13:28
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 15:49:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1156951	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1692778	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1363710	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	672023	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	562687	45.50	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	91.00%	
35) Dibromofluoromethane	6.92	113	683988	47.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	10.40	98	1498701	47.81	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.62%	
62) 4-Bromofluorobenzene	13.55	95	637507	44.87	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	718905	51.361	ug/l	98
3) Chloromethane	1.74	50	548304	50.137	ug/l	95
4) Vinyl Chloride	1.84	62	578462	53.283	ug/l	98
5) Bromomethane	2.14	94	259337	50.626	ug/l	97
6) Chloroethane	2.26	64	254442	51.252	ug/l	99
7) Trichlorofluoromethane	2.53	101	1142161	53.636	ug/l	100
8) Diethyl Ether	2.86	74	153751	51.138	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.14	101	640754	50.958	ug/l	97
10) Methyl Iodide	3.29	142	932151	52.394	ug/l	98
11) Tert butyl alcohol	4.06	59	156666	291.008	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	469301	50.200	ug/l	99
13) Acrolein	3.03	56	126588	238.885	ug/l	95
14) Allyl chloride	3.61	41	742388	52.825	ug/l	96
15) Acrylonitrile	4.18	53	402058	281.952	ug/l	93
16) Acetone	3.22	43	748394	297.696	ug/l	94
17) Carbon Disulfide	3.36	76	1554049	52.671	ug/l	99
18) Methyl Acetate	3.63	43	217170	45.607	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	1077651	57.640	ug/l	95
20) Methylene Chloride	3.80	84	525076	48.302	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	553587	56.272	ug/l	95
22) Diisopropyl ether	5.12	45	1527073	52.657	ug/l	97
23) Vinyl Acetate	5.05	43	4620597	274.066	ug/l	99
24) 1,1-Dichloroethane	4.97	63	964176	53.605	ug/l	98
25) 2-Butanone	6.06	43	683436	275.261	ug/l	97
26) 2,2-Dichloropropane	6.01	77	1023370	57.122	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	581170	53.995	ug/l	88
28) Bromochloromethane	6.42	49	361415	49.578	ug/l	96
29) Tetrahydrofuran	6.44	42	318584	275.365	ug/l	98
30) Chloroform	6.65	83	1165670	52.138	ug/l	94
31) Cyclohexane	6.94	56	606796	54.341	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	1153019	53.913	ug/l	93
36) 1,1-Dichloropropene	7.13	75	786505	52.558	ug/l	98
37) Ethyl Acetate	6.17	43	322656	51.455	ug/l	97
38) Carbon Tetrachloride	7.10	117	1181131	52.371	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	624896	49.108	ug/l	98
40) Benzene	7.44	78	1571537	47.721	ug/l	95
41) Methacrylonitrile	6.43	41	420699	53.284	ug/l	95
42) 1,2-Dichloroethane	7.57	62	812782	49.084	ug/l	99
43) Isopropyl Acetate	9.23	43	447894	53.331	ug/l #	99
44) Trichloroethene	8.53	130	678527	53.906	ug/l	92
45) 1,2-Dichloropropane	8.94	63	412177	53.746	ug/l	99
46) Dibromomethane	9.05	93	327031	49.935	ug/l	97
47) Bromodichloromethane	9.37	83	873503	51.997	ug/l	99
48) Methyl methacrylate	9.11	41	268487	47.140	ug/l	96
49) 1,4-Dioxane	9.07	88	47420	934.026	ug/l #	88
51) 4-Methyl-2-Pentanone	10.29	43	1514282	263.502	ug/l	99
52) Toluene	10.50	92	1069189	50.407	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	742460	54.155	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	782985	50.649	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	378446	52.819	ug/l	96
56) Ethyl methacrylate	11.04	69	397111	51.063	ug/l	98
57) 1,3-Dichloropropane	11.41	76	546319	50.443	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.85	63	1012488	246.607	ug/l	99
59) 2-Hexanone	11.52	43	1166906	279.064	ug/l	100
60) Dibromochloromethane	11.68	129	693957	53.226	ug/l	100
61) 1,2-Dibromoethane	11.80	107	445342	51.343	ug/l	97
64) Tetrachloroethene	11.25	164	546736	51.934	ug/l	93
65) Chlorobenzene	12.39	112	1427133	55.836	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	608165	54.066	ug/l	94
67) Ethyl Benzene	12.52	91	2381668	53.591	ug/l	100
68) m/p-Xylenes	12.67	106	1724781	110.467	ug/l	96
69) o-Xylene	13.05	106	807829	53.757	ug/l	92
70) Styrene	13.07	104	1396316	52.236	ug/l	96
71) Bromoform	13.23	173	434644	56.352	ug/l #	98
73) Isopropylbenzene	13.40	105	2318968	54.252	ug/l	99
74) N-amyl acetate	13.26	43	641776	59.811	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	408353	57.557	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	444367	57.616	ug/l	98
77) Bromobenzene	13.67	156	680317	58.236	ug/l	85
78) n-propylbenzene	13.77	91	2801595	56.018	ug/l	96
79) 2-Chlorotoluene	13.84	91	1619415	56.159	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	1972063	52.803	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	125198	60.396	ug/l	93
82) 4-Chlorotoluene	13.95	91	1815958	52.370	ug/l	91
83) tert-Butylbenzene	14.19	119	2364492	60.122	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1978674	57.260	ug/l	93
85) sec-Butylbenzene	14.36	105	2453061	58.734	ug/l	99
86) p-Isopropyltoluene	14.49	119	2143203	53.668	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1118646	52.939	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	1088875	53.710	ug/l	98
89) n-Butylbenzene	14.79	91	2045676	56.127	ug/l	94
90) Hexachloroethane	15.01	117	568937	56.682	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	1002021	55.891	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	78218	58.551	ug/l	65

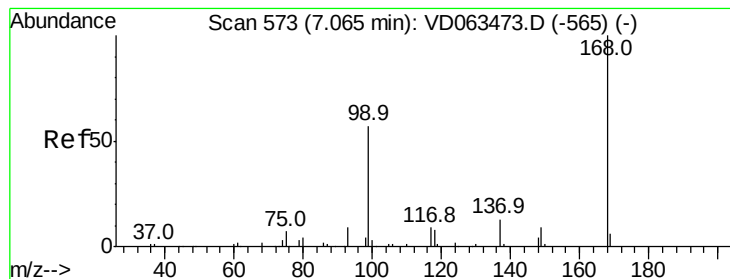
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	753727	57.136	ug/l	97
94) Hexachlorobutadiene	16.03	225	566671	56.363	ug/l	98
95) Naphthalene	16.12	128	1086687	54.355	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	614091	57.635	ug/l	99

(#) = 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. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

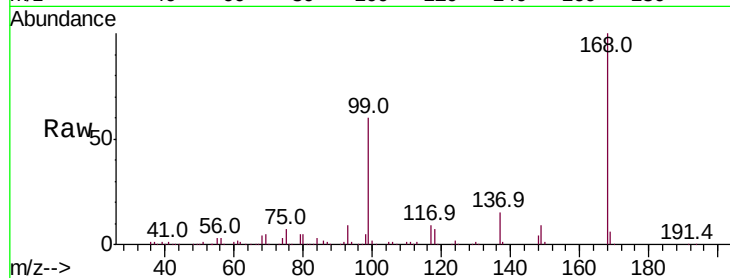
ClientSampleId :

Tot Ion:168 Resp: 1156951

Ion Ratio Lower Upper

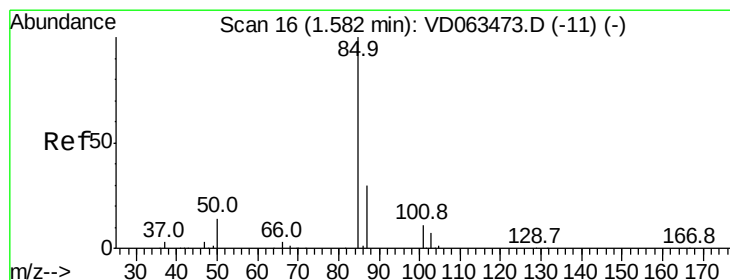
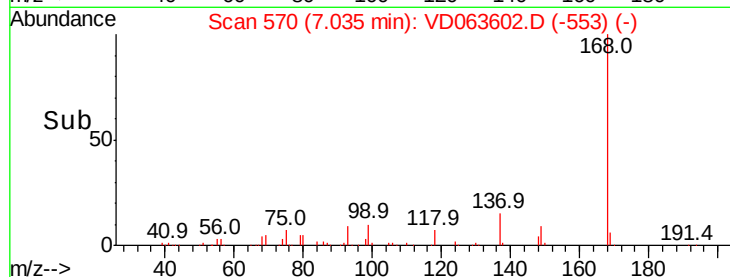
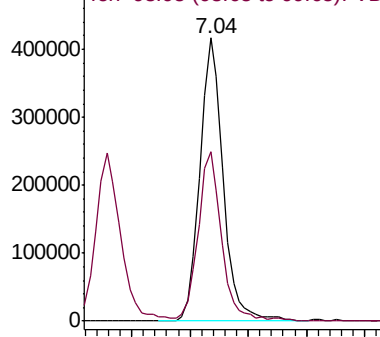
168 100

99 60.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.361 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063602.D

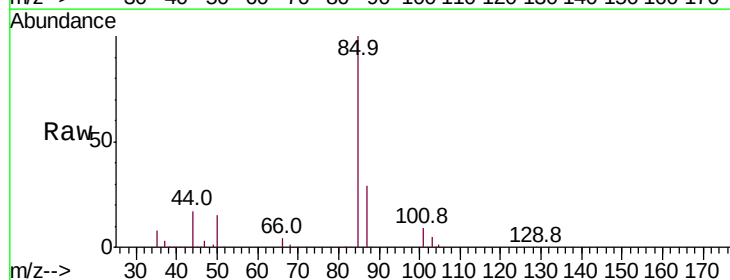
Acq: 15 Aug 2019 13:28

Tgt Ion: 85 Resp: 718905

Ion Ratio Lower Upper

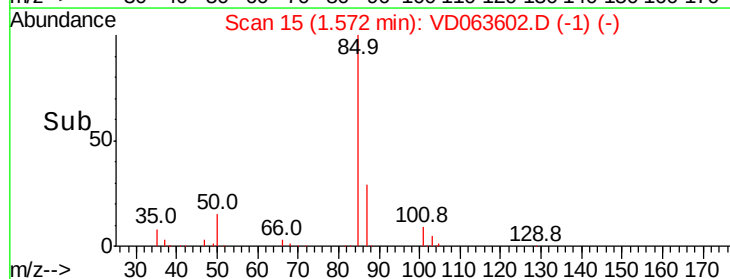
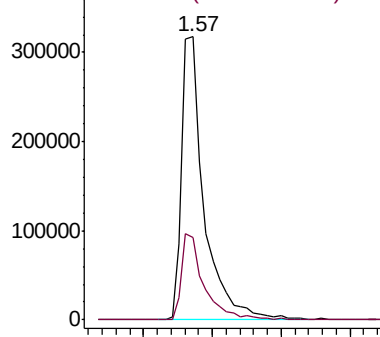
85 100

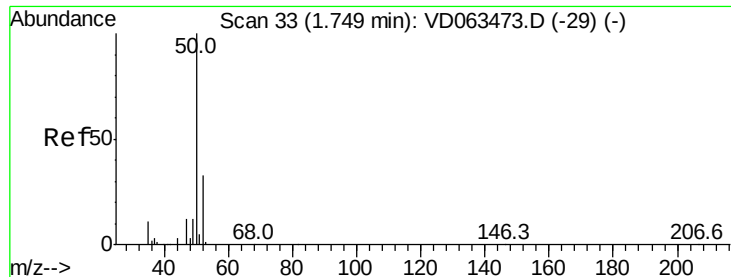
87 29.0 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.137 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

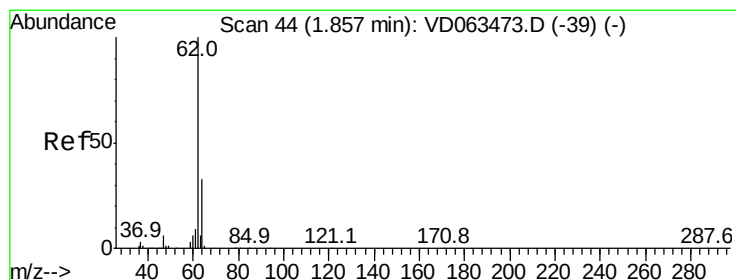
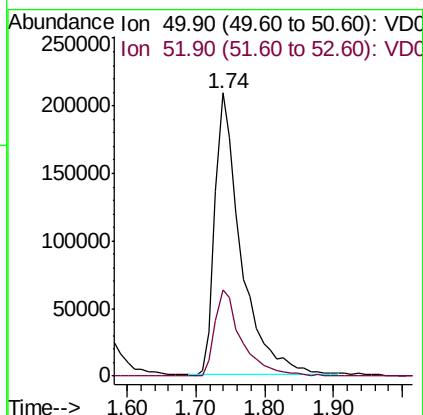
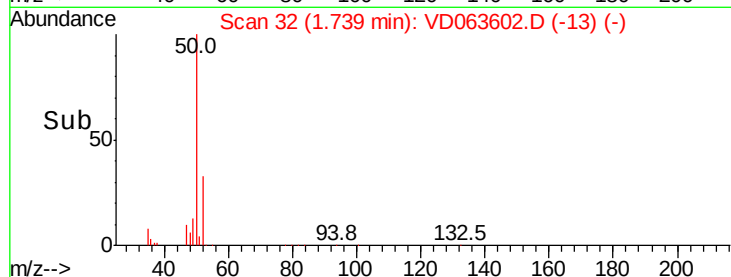
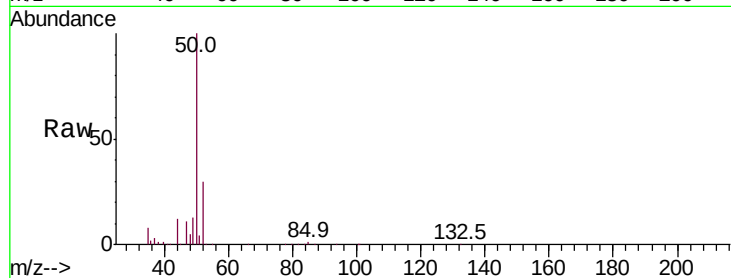
ClientSampleId :

Tot Ion: 50 Resp: 548304

Ion Ratio Lower Upper

50 100

52 30.4 26.6 40.0



#4

Vinyl Chloride

Concen: 53.283 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063602.D

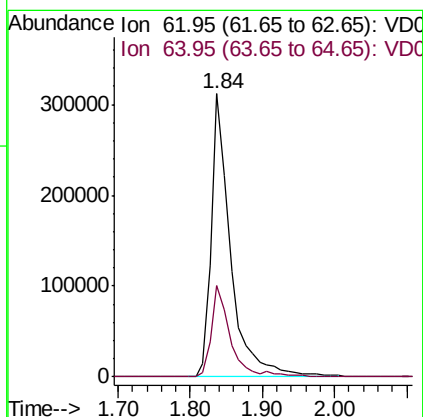
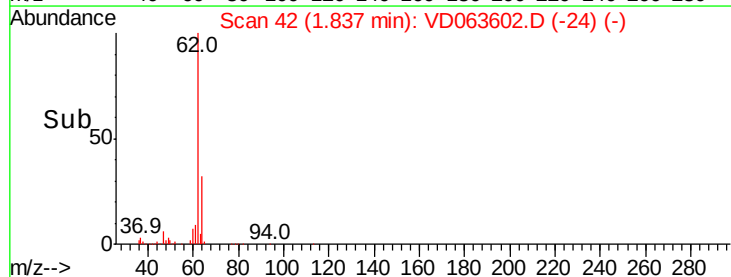
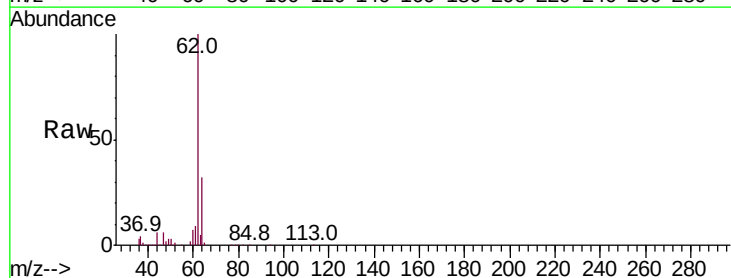
Acq: 15 Aug 2019 13:28

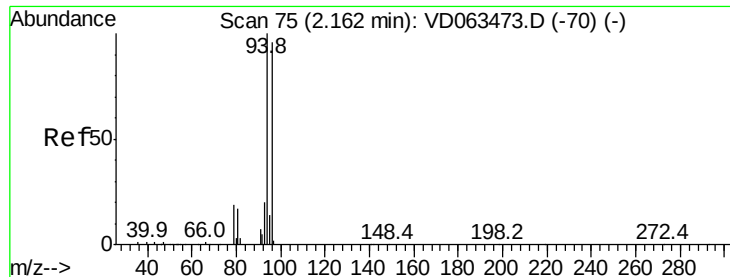
Tgt Ion: 62 Resp: 578462

Ion Ratio Lower Upper

62 100

64 32.1 26.4 39.6





#5

Bromomethane

Concen: 50.626 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

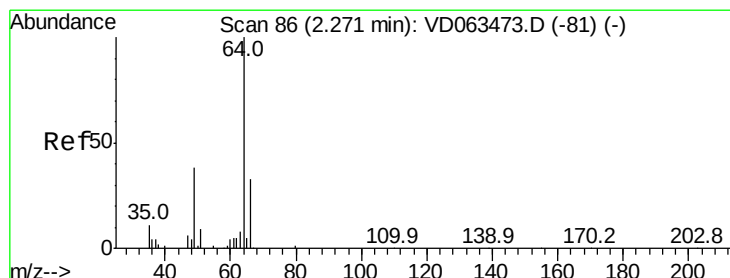
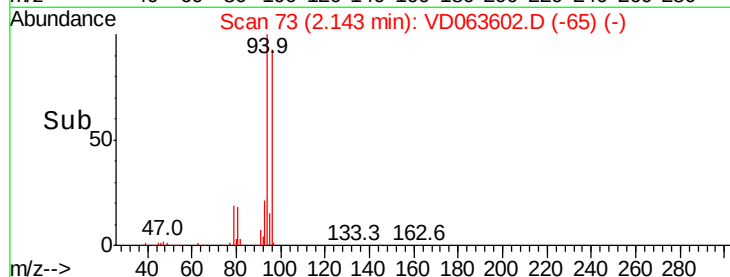
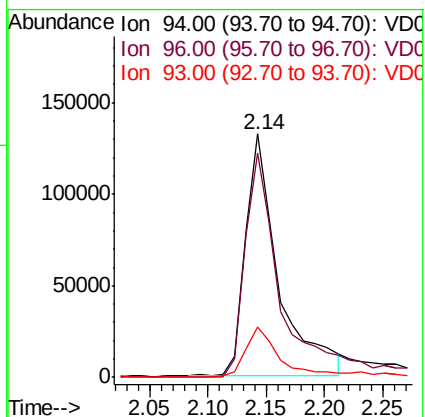
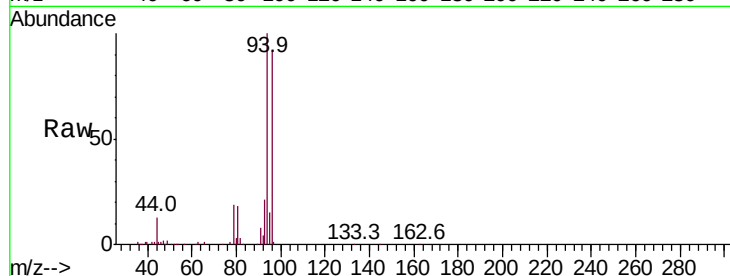
Tot Ion: 94 Resp: 259337

Ion Ratio Lower Upper

94 100

96 92.0 76.5 114.7

93 20.9 15.8 23.8



#6

Chloroethane

Concen: 51.252 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD063602.D

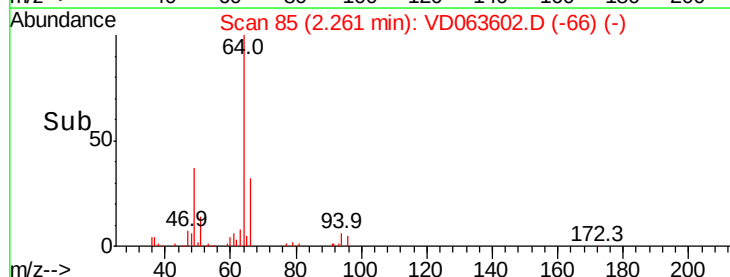
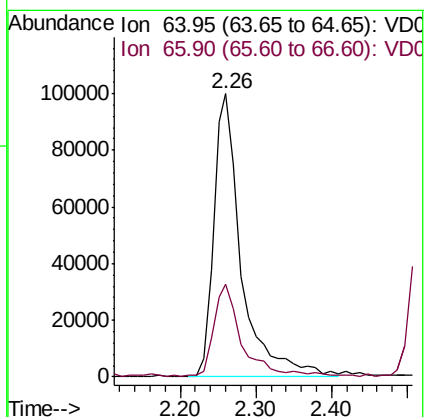
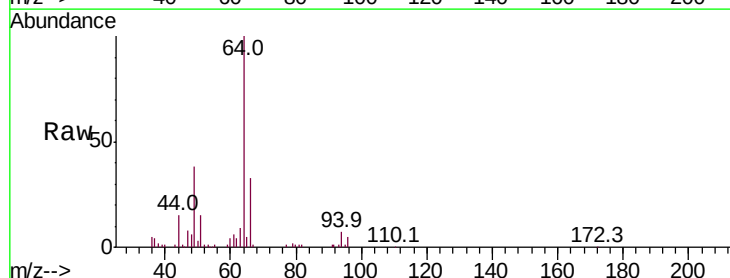
Acq: 15 Aug 2019 13:28

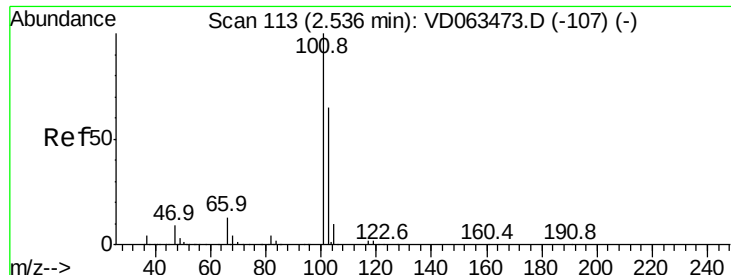
Tgt Ion: 64 Resp: 254442

Ion Ratio Lower Upper

64 100

66 32.5 26.3 39.5



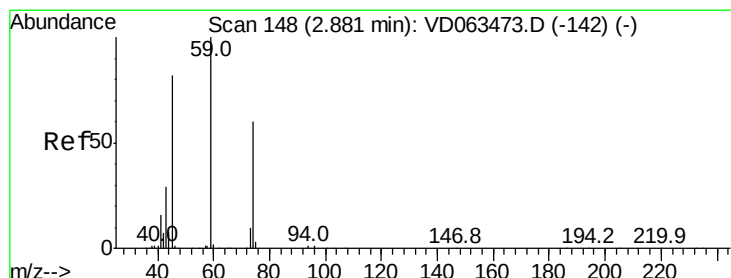
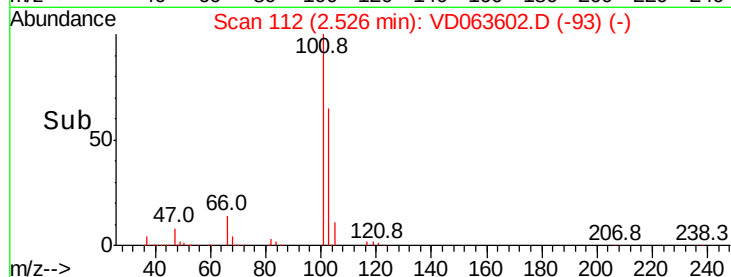
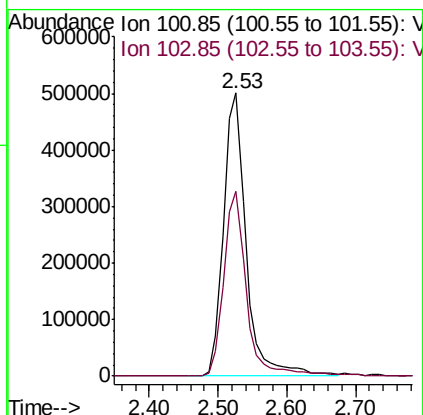
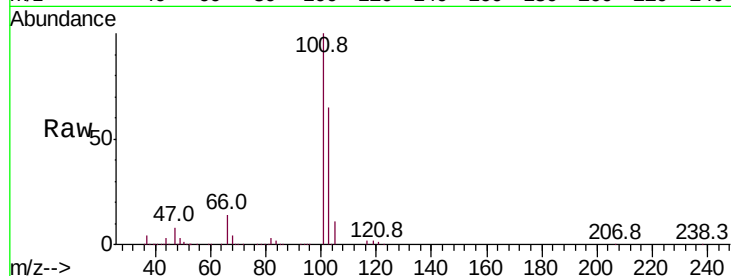


#7

Trichlorofluoromethane
Concen: 53.636 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Instrument :
MSVOA_D
ClientSampleId :

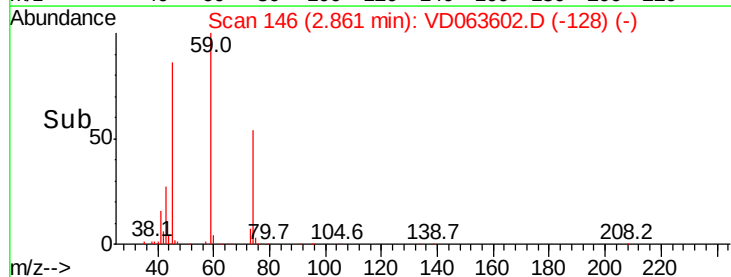
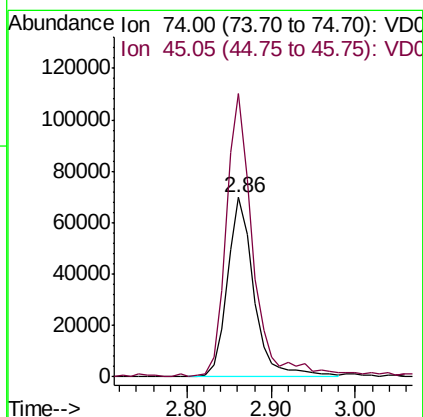
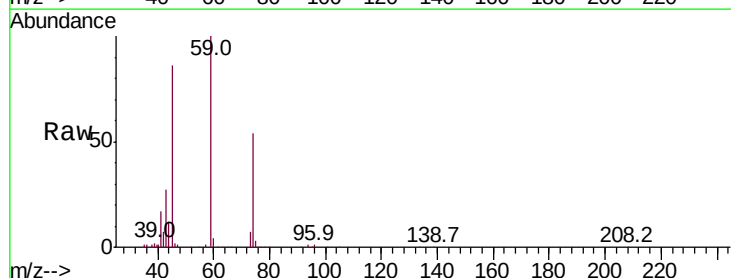
Tot Ion:101 Resp: 1142161
Ion Ratio Lower Upper
101 100
103 65.5 52.2 78.4

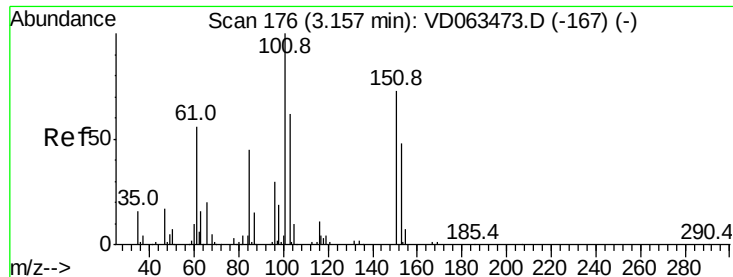


#8

Diethyl Ether
Concen: 51.138 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion: 74 Resp: 153751
Ion Ratio Lower Upper
74 100
45 157.9 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.958 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

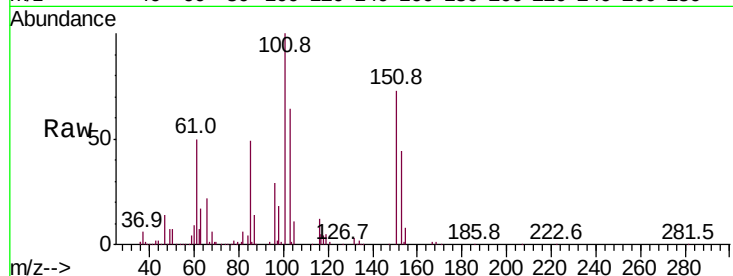
Tot Ion:101 Resp: 640754

Ion Ratio Lower Upper

101 100

85 49.1 35.8 53.6

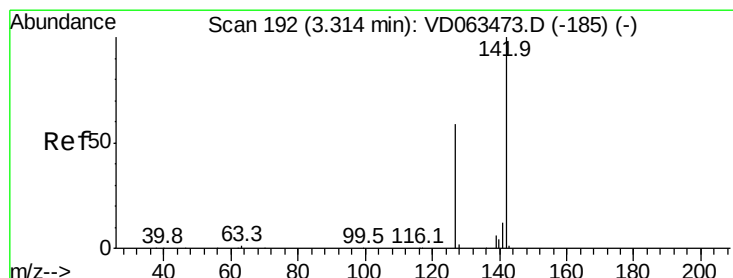
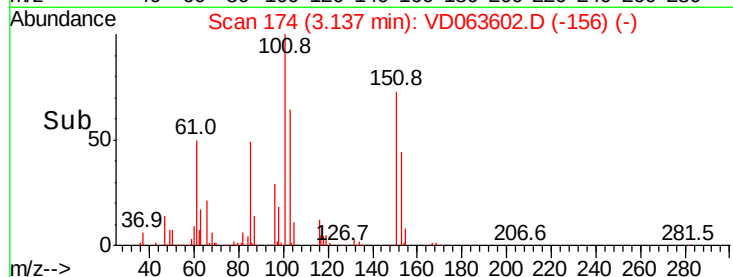
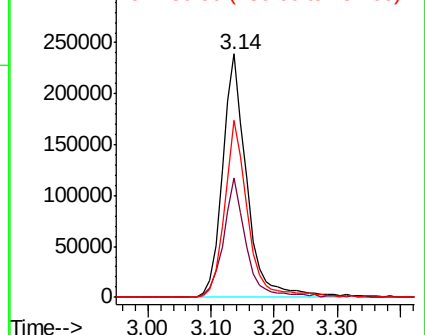
151 72.7 58.6 88.0



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: 52.394 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

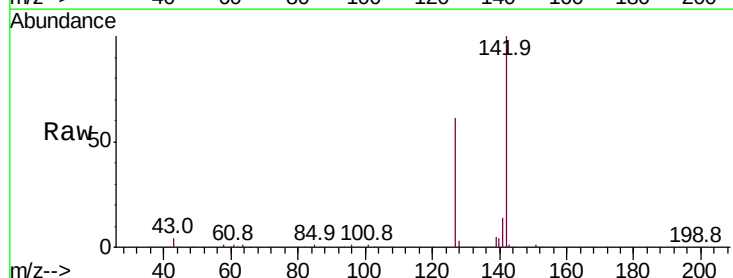
Tgt Ion:142 Resp: 932151

Ion Ratio Lower Upper

142 100

127 60.5 47.2 70.8

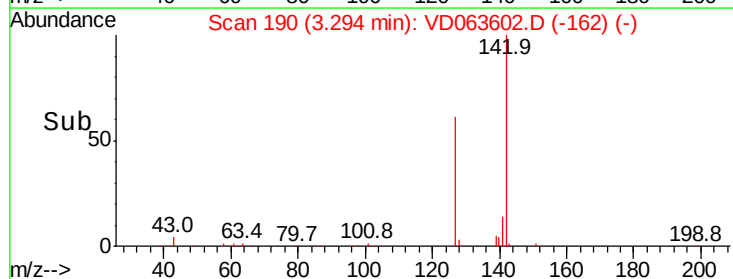
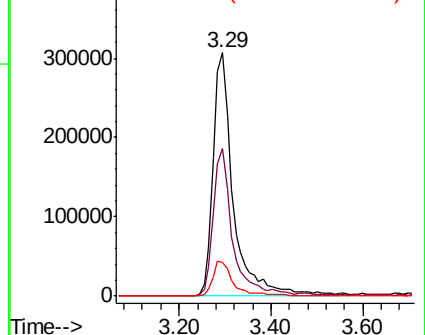
141 13.8 9.8 14.8

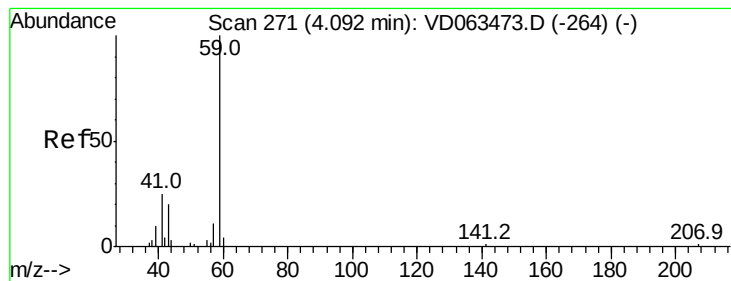


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



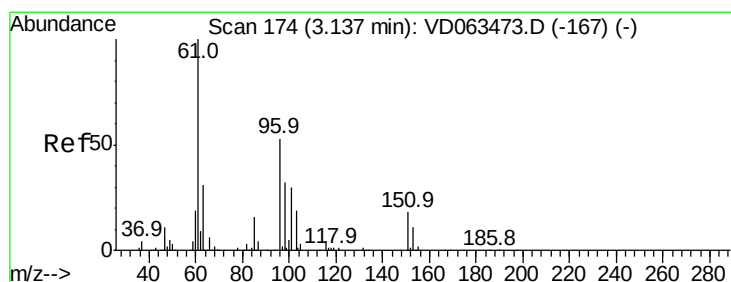
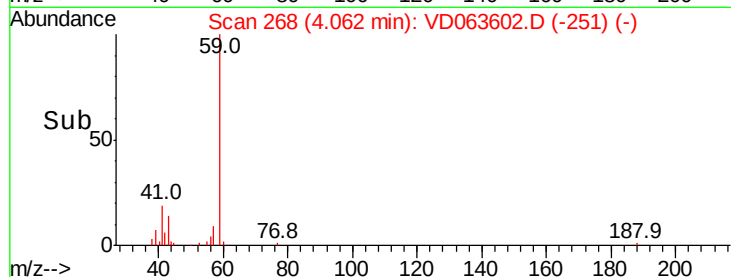
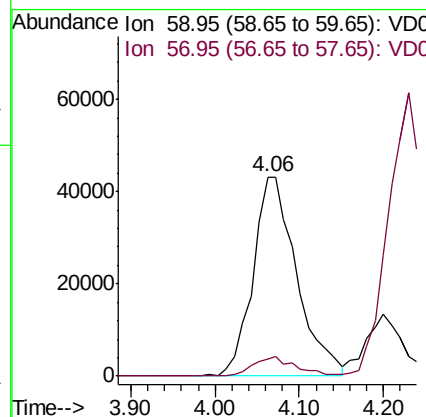
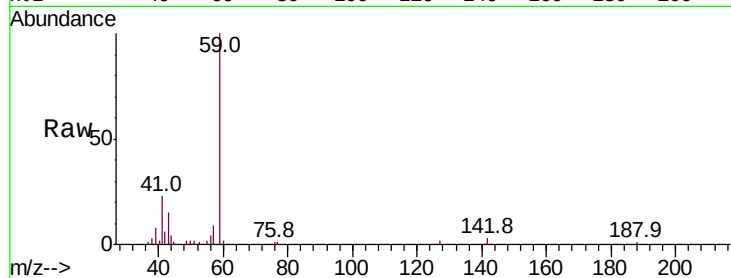


#11

Tert butyl alcohol
Concen: 291.008 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.03 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Instrument :
MSVOA_D
ClientSampleId :

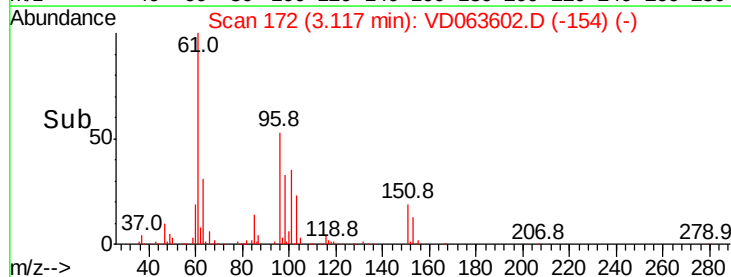
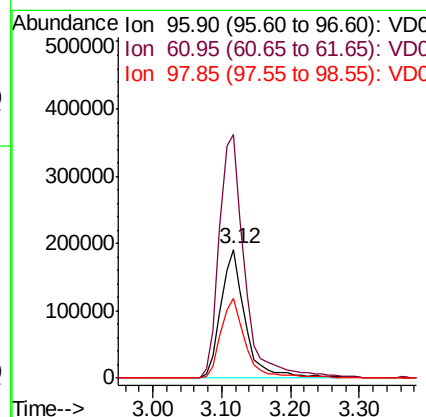
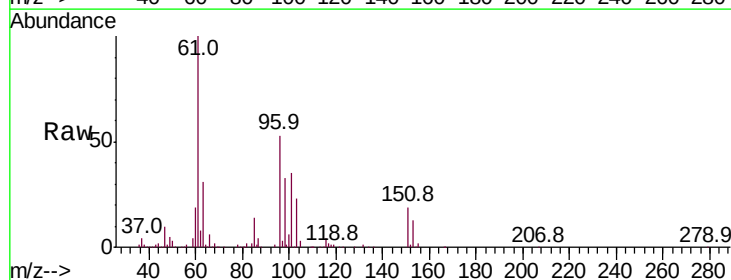
Tot Ion: 59 Resp: 156666
Ion Ratio Lower Upper
59 100
57 8.6 8.7 13.1#

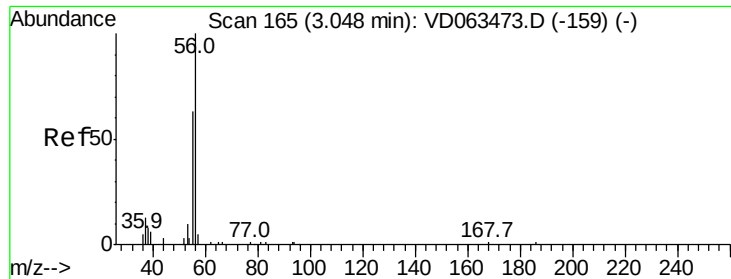


#12

1,1-Dichloroethene
Concen: 50.200 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion: 96 Resp: 469301
Ion Ratio Lower Upper
96 100
61 188.8 151.7 227.5
98 61.4 48.4 72.6





#13

Acrolein

Concen: 238.885 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

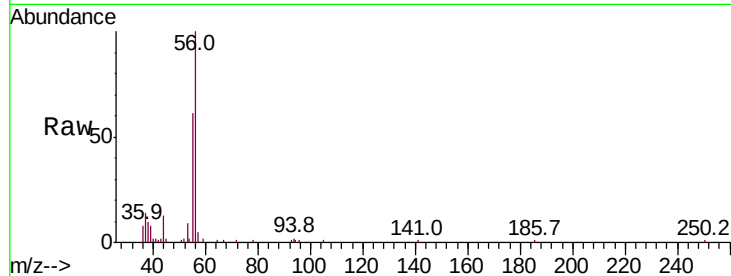
ClientSampled :

Tot Ion: 56 Resp: 126588

Ion Ratio Lower Upper

56 100

55 60.5 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

60000

50000

40000

30000

20000

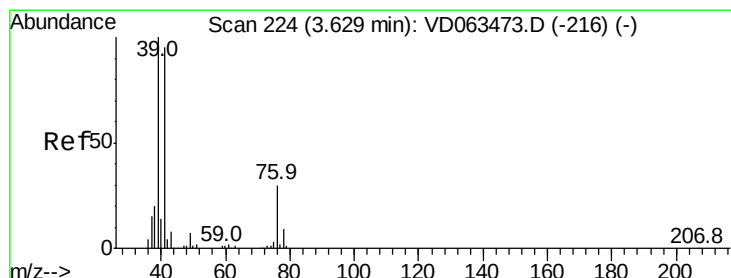
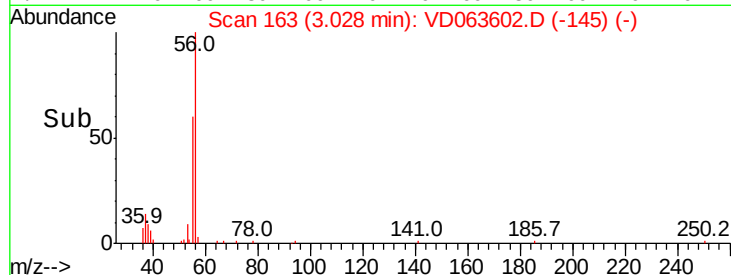
10000

0

Time-->

2.90 3.00 3.10 3.20

3.03



#14

Allyl chloride

Concen: 52.825 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

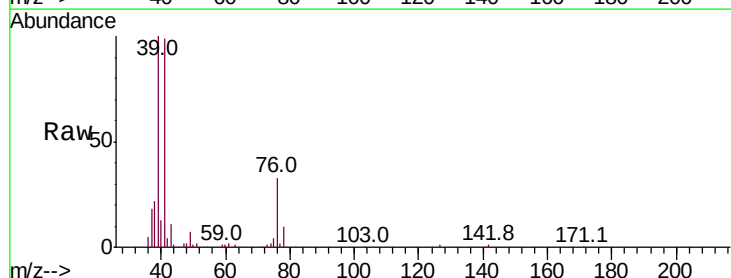
Tgt Ion: 41 Resp: 742388

Ion Ratio Lower Upper

41 100

39 100.6 84.2 126.4

76 33.0 26.0 39.0



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

400000

300000

200000

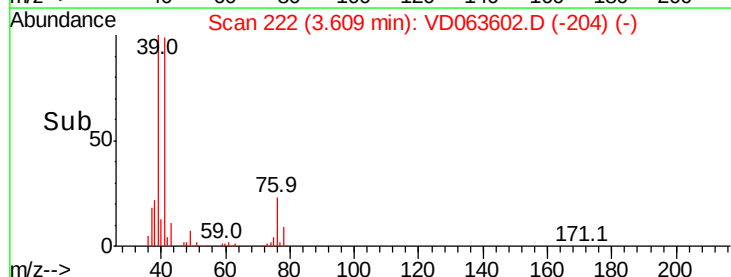
100000

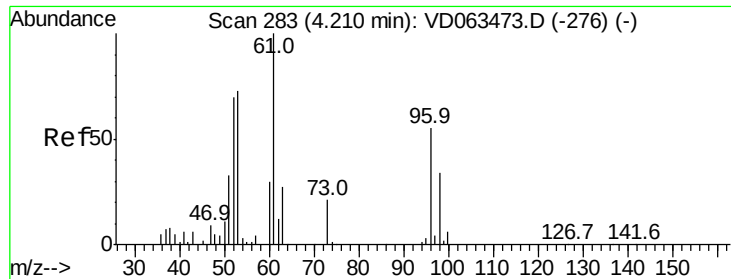
0

Time-->

3.50 3.60 3.70 3.80

3.61





#15

Acrylonitrile

Concen: 281.952 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

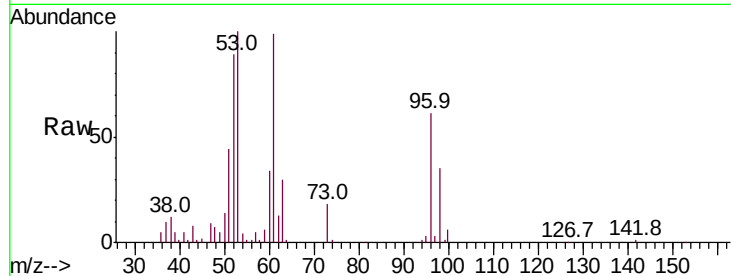
Tot Ion: 53 Resp: 402058

Ion Ratio Lower Upper

53 100

52 88.5 77.4 116.0

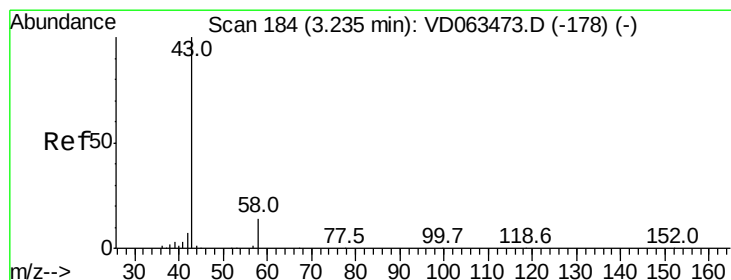
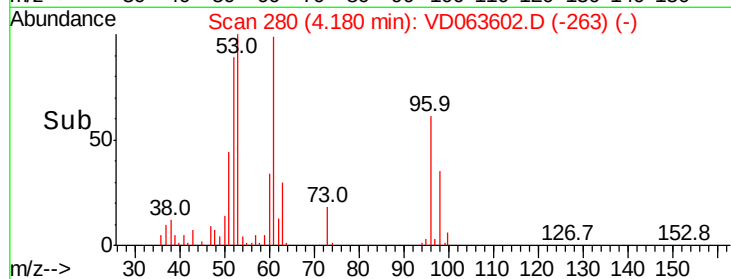
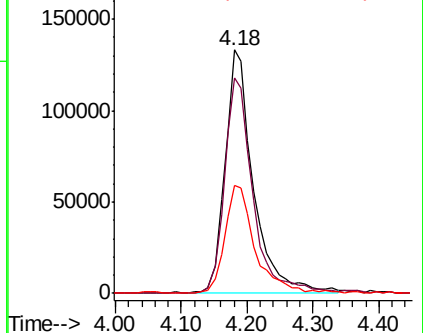
51 44.2 36.7 55.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 297.696 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063602.D

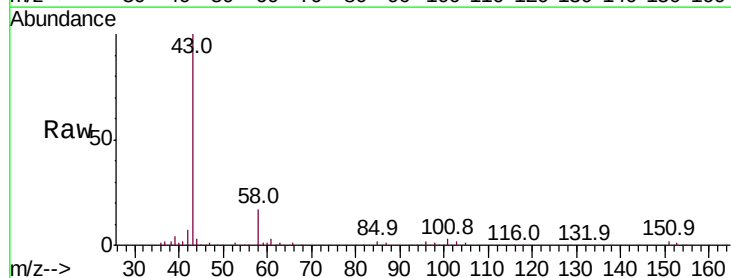
Acq: 15 Aug 2019 13:28

Tgt Ion: 43 Resp: 748394

Ion Ratio Lower Upper

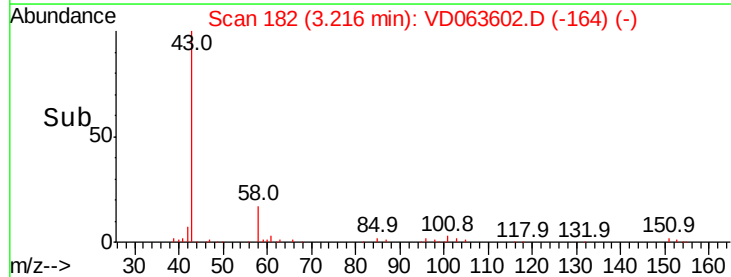
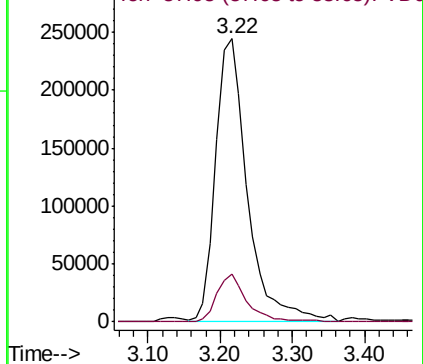
43 100

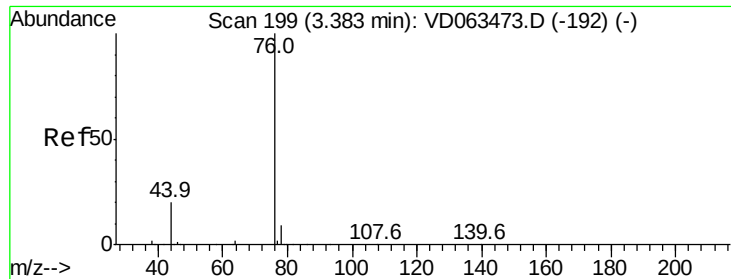
58 16.8 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

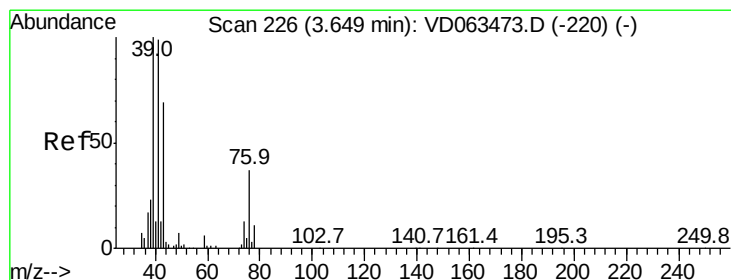
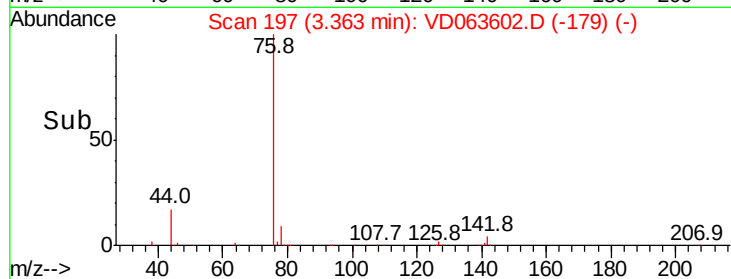
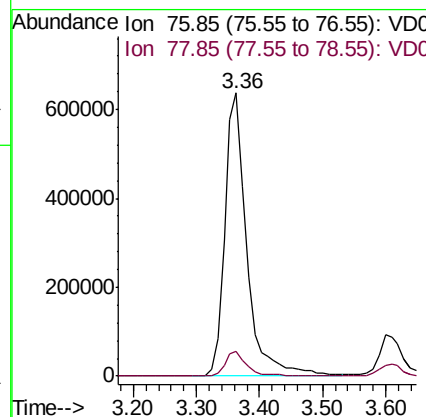
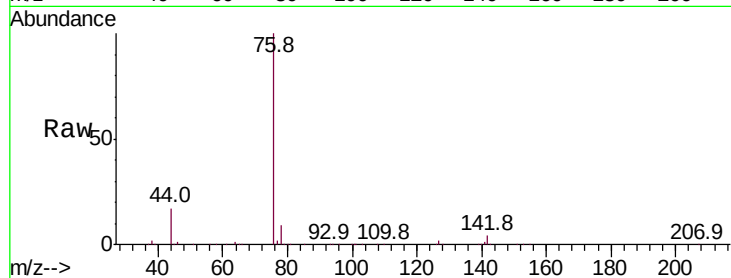




#17
Carbon Disulfide
Concen: 52.671 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

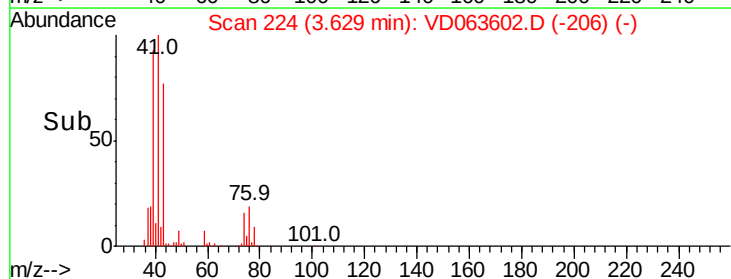
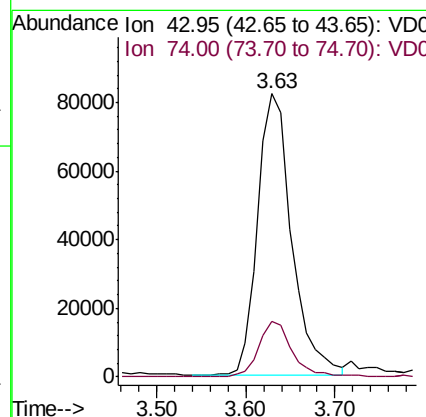
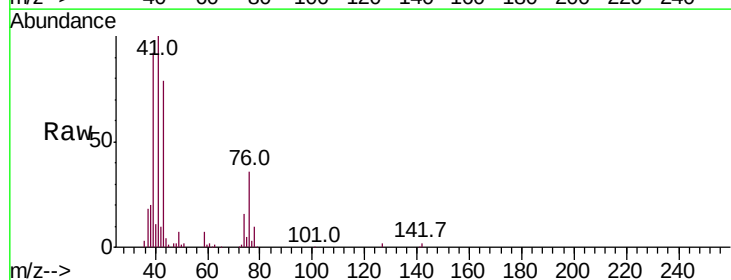
Instrument :
MSVOA_D
ClientSampleId :

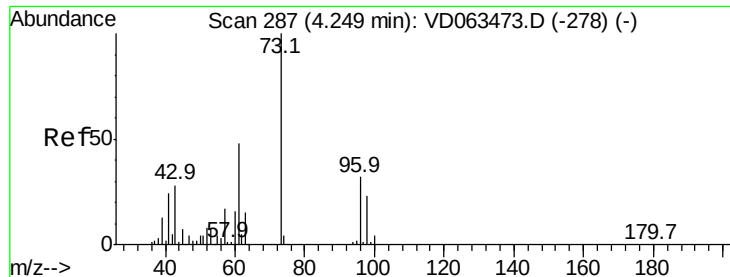
Tot Ion: 76 Resp: 1554049
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 45.607 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion: 43 Resp: 217170
Ion Ratio Lower Upper
43 100
74 19.8 15.4 23.2



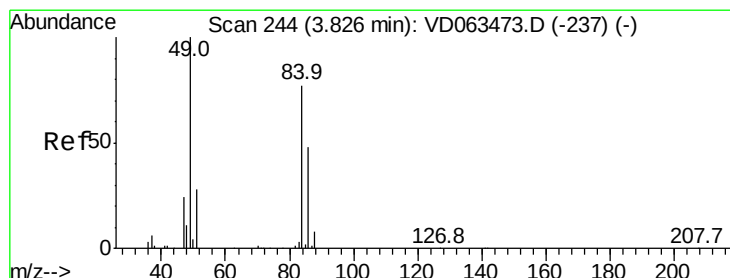
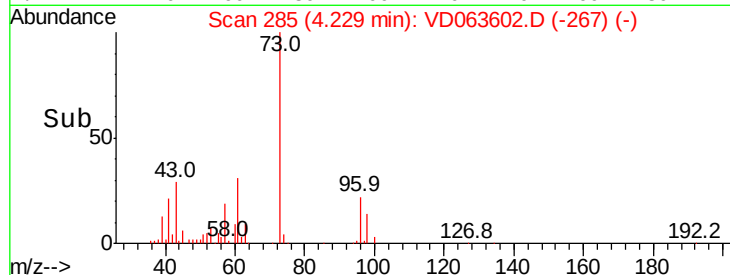
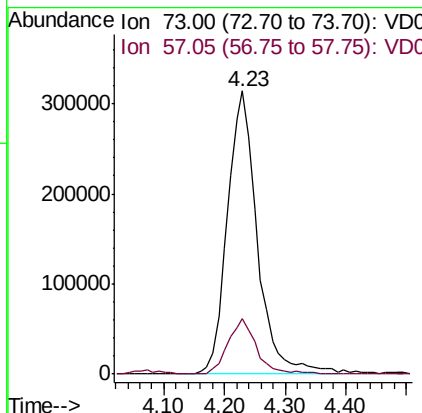
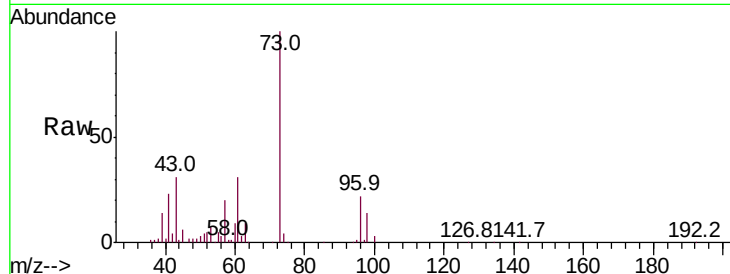


#19

Methyl tert-butyl Ether
 Concen: 57.640 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Instrument :
 MSVOA_D
 ClientSampleId :

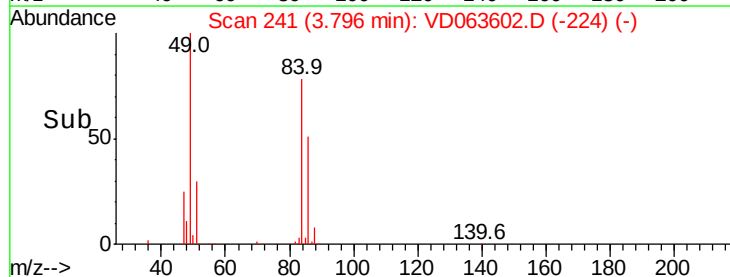
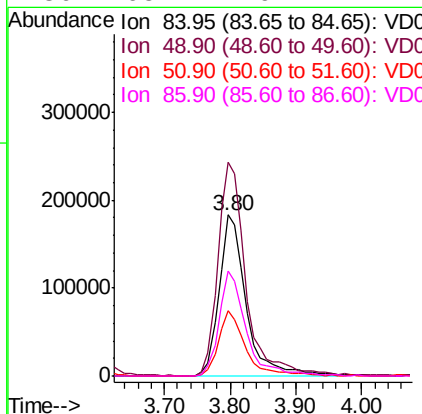
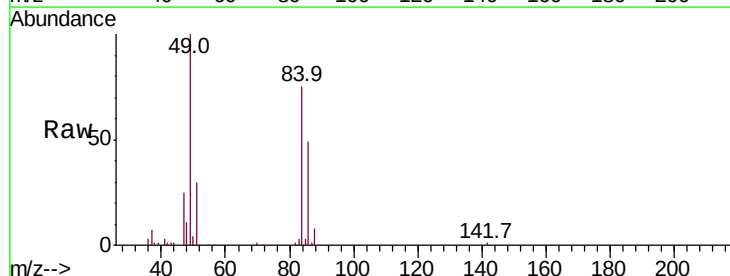
Tot Ion: 73 Resp: 1077651
 Ion Ratio Lower Upper
 73 100
 57 19.5 14.0 21.0

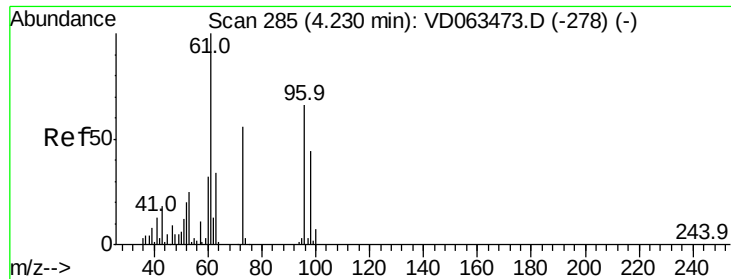


#20

Methylene Chloride
 Concen: 48.302 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.03 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Tgt Ion: 84 Resp: 525076
 Ion Ratio Lower Upper
 84 100
 49 132.9 103.4 155.2
 51 40.2 28.5 42.7
 86 65.2 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 56.272 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :
MSVOA_D
ClientSampleId :

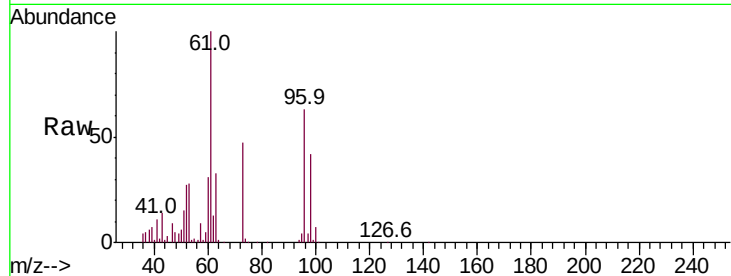
Tot Ion: 96 Resp: 553587

Ion Ratio Lower Upper

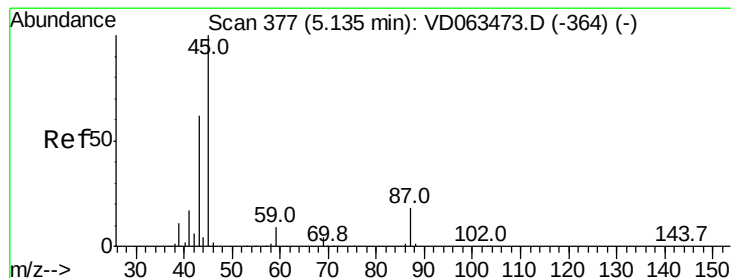
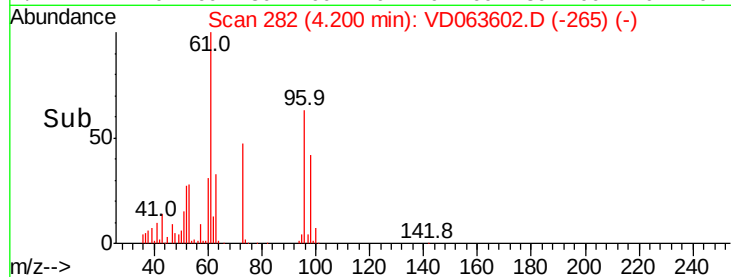
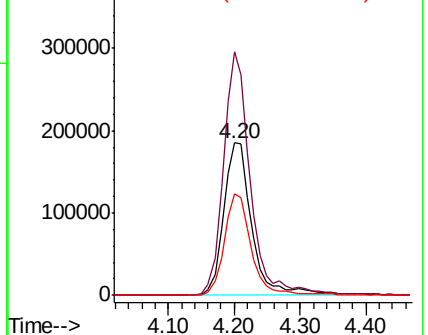
96 100

61 159.5 121.7 182.5

98 66.3 54.2 81.2



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: 52.657 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Tgt Ion: 45 Resp: 1527073

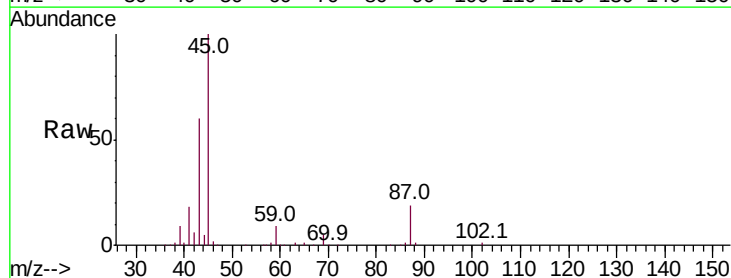
Ion Ratio Lower Upper

45 100

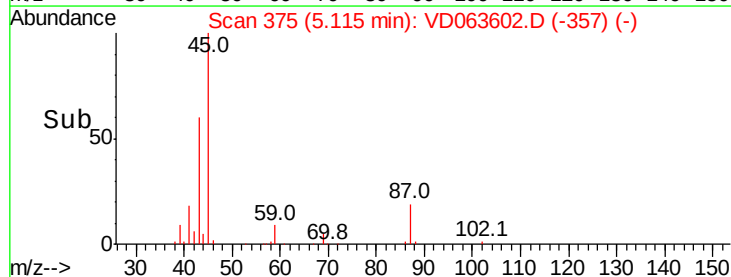
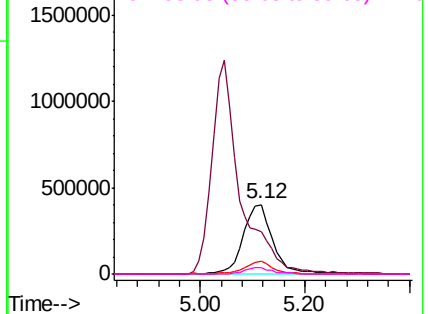
43 60.0 50.3 75.5

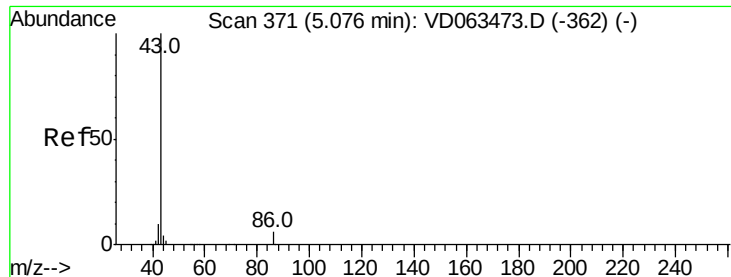
87 19.1 14.3 21.5

59 9.4 7.7 11.5



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: 274.066 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

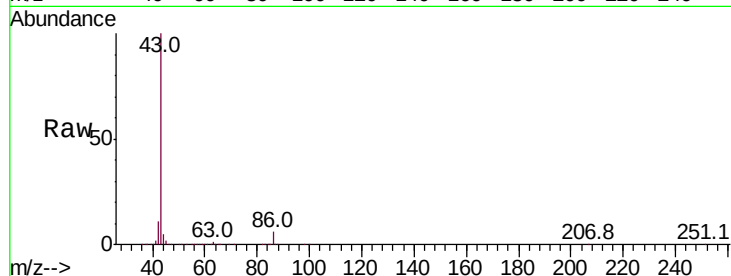
ClientSampleId :

Tot Ion: 43 Resp: 4620597

Ion Ratio Lower Upper

43 100

86 6.2 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

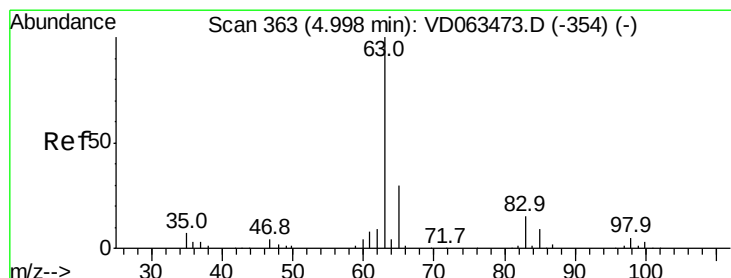
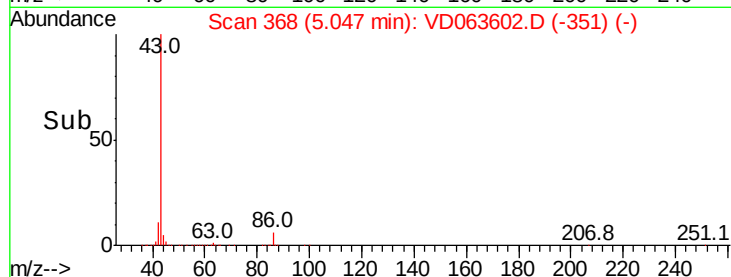
5.05

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.605 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

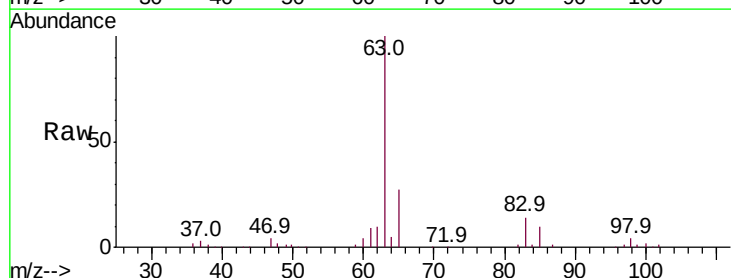
Tgt Ion: 63 Resp: 964176

Ion Ratio Lower Upper

63 100

98 4.1 2.4 7.2

100 2.3 1.3 3.8



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

4.97

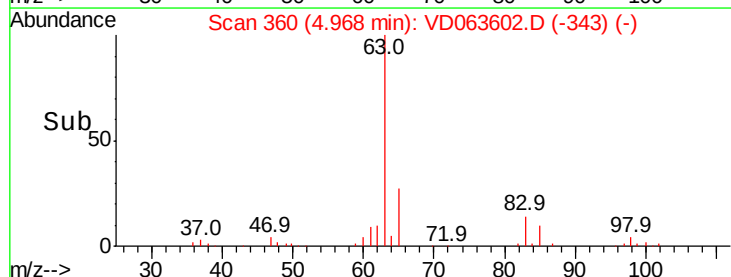
300000

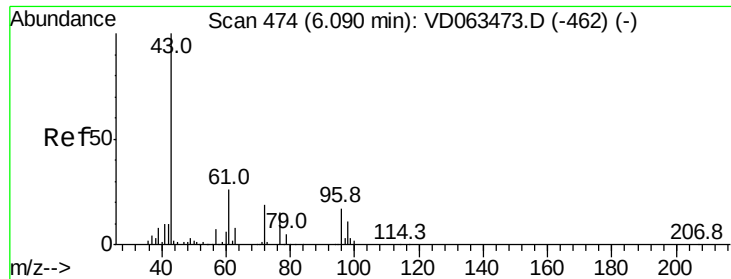
200000

100000

0

Time-->





#25

2-Butanone

Concen: 275.261 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

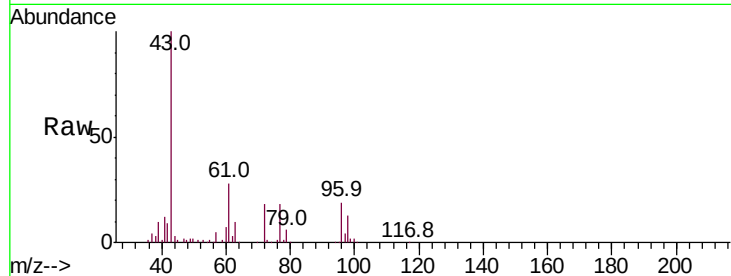
ClientSampleId :

Tot Ion: 43 Resp: 683436

Ion Ratio Lower Upper

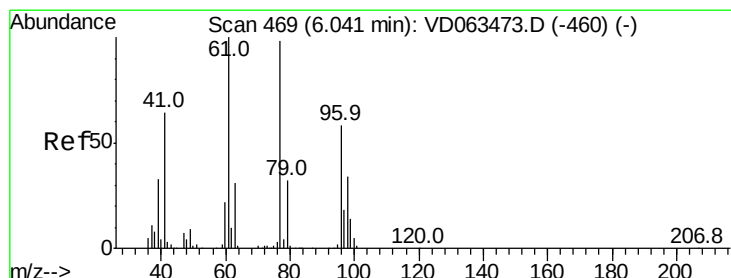
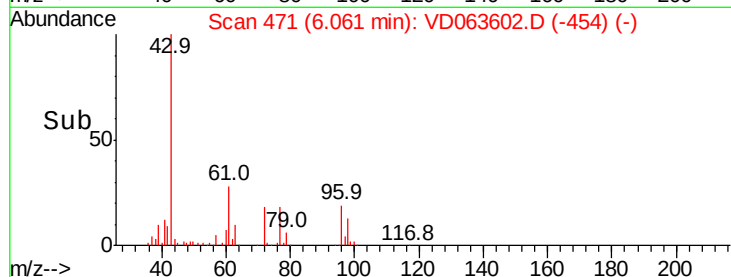
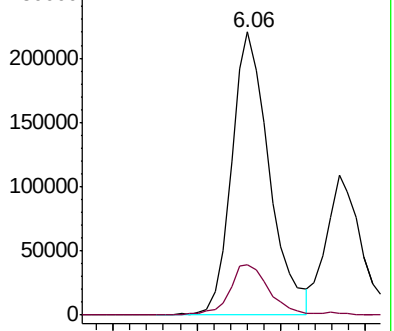
43 100

72 17.7 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 57.122 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD063602.D

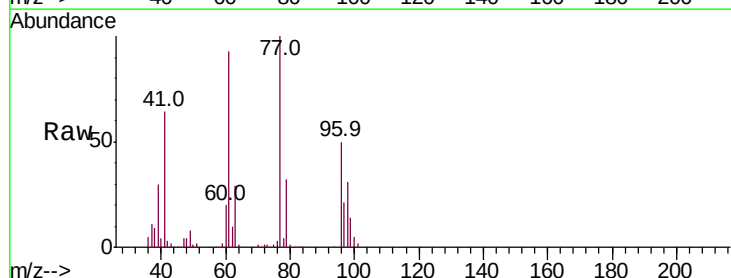
Acq: 15 Aug 2019 13:28

Tgt Ion: 77 Resp: 1023370

Ion Ratio Lower Upper

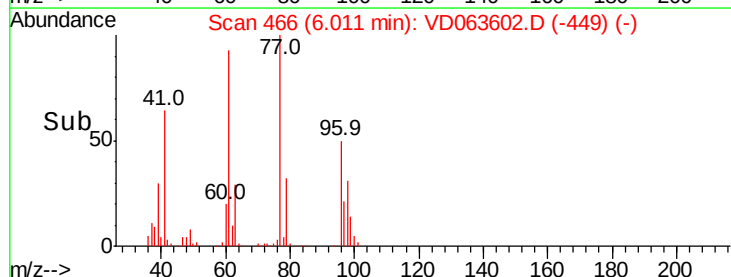
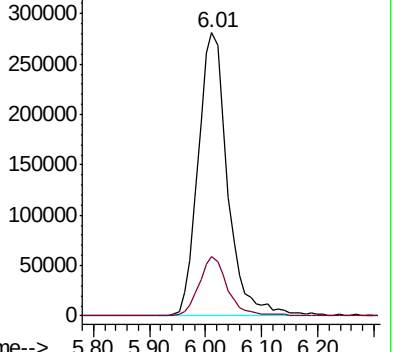
77 100

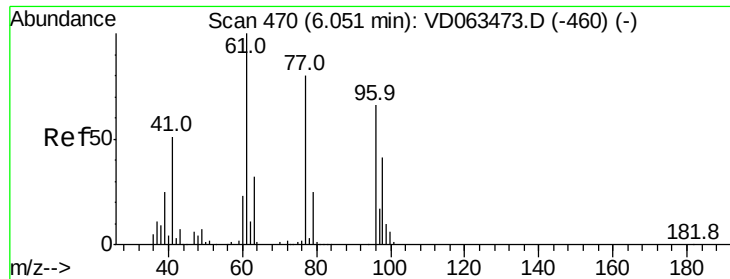
97 20.9 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



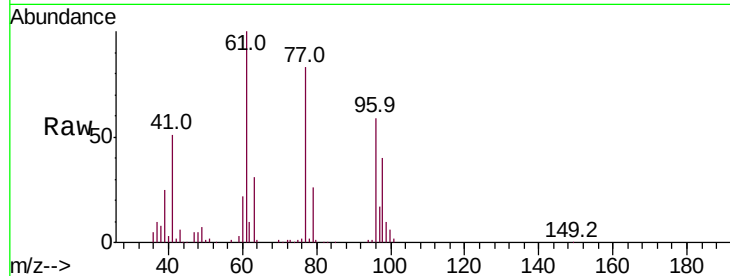


#27

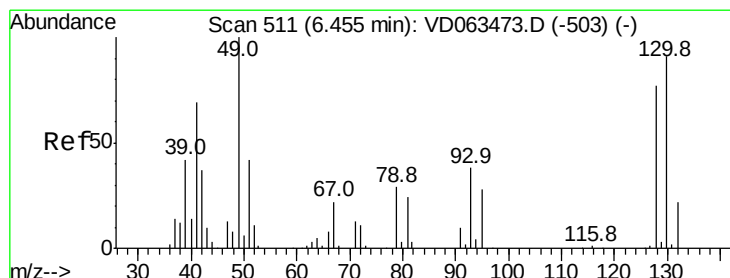
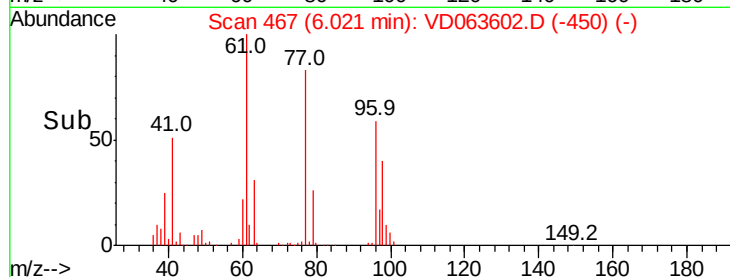
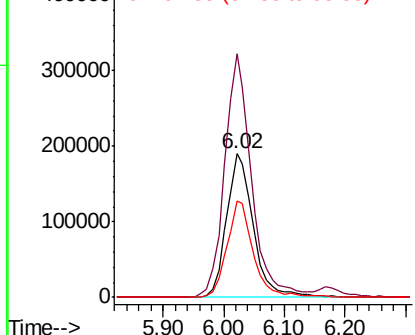
cis-1,2-Dichloroethene
 Concen: 53.995 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. -0.03 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.8	0.0	304.0
98	67.2	0.0	124.8



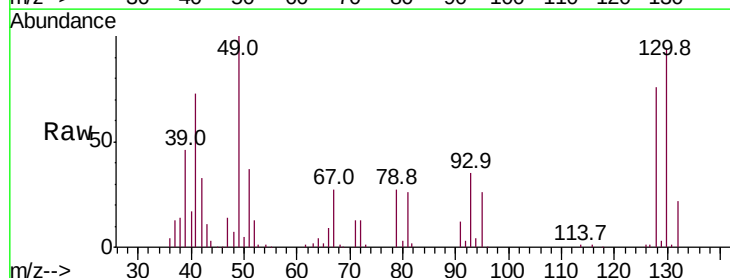
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



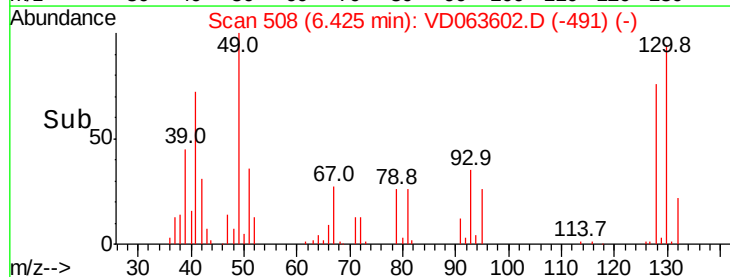
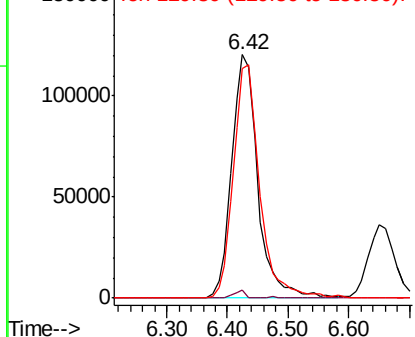
#28

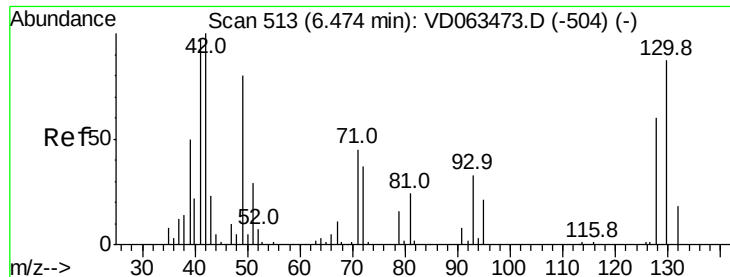
Bromochloromethane
 Concen: 49.578 ug/l
 RT: 6.42 min Scan# 508
 Delta R.T. -0.03 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	6.4
130	94.3	72.4	108.6



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





#29

Tetrahydrofuran

Concen: 275.365 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

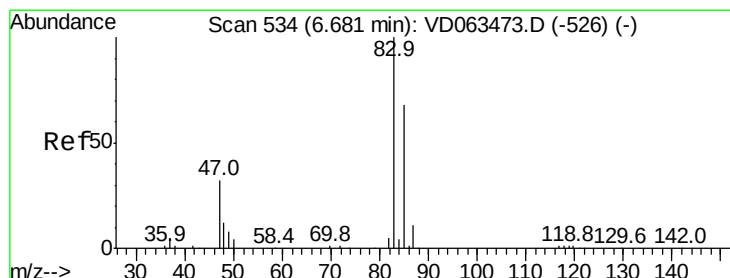
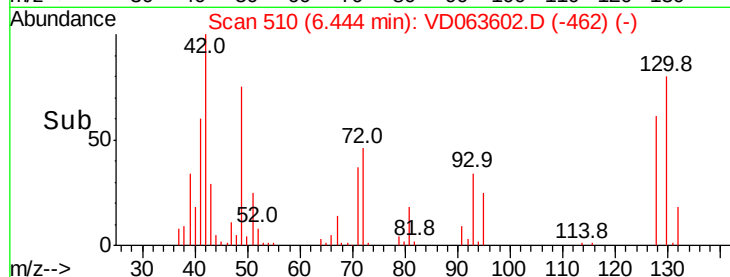
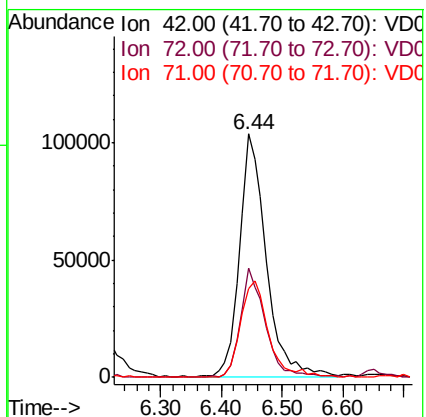
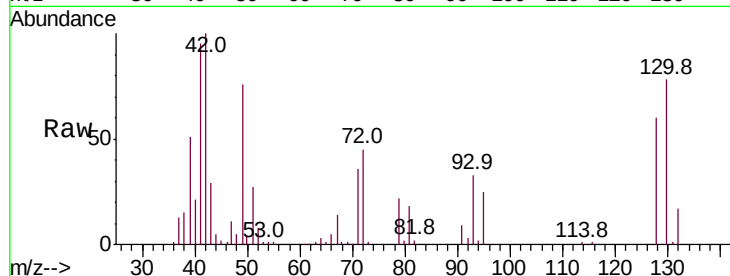
Tot Ion: 42 Resp: 318584

Ion Ratio Lower Upper

42 100

72 41.2 31.5 47.3

71 41.3 33.8 50.8



#30

Chloroform

Concen: 52.138 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.03 min

Lab File: VD063602.D

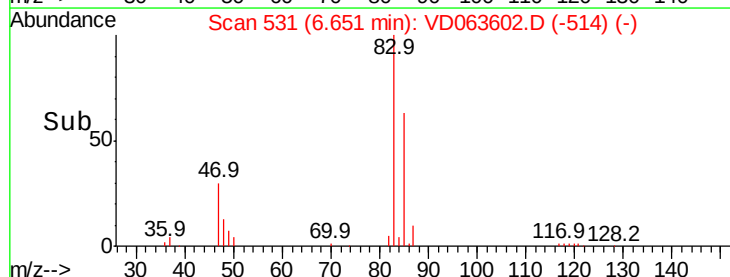
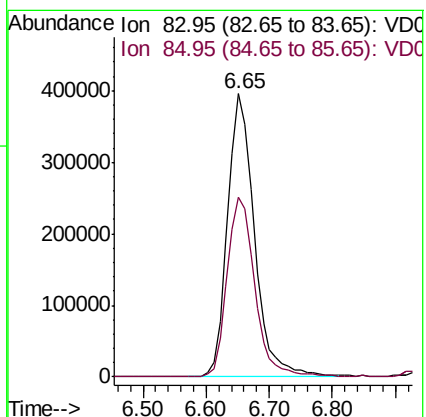
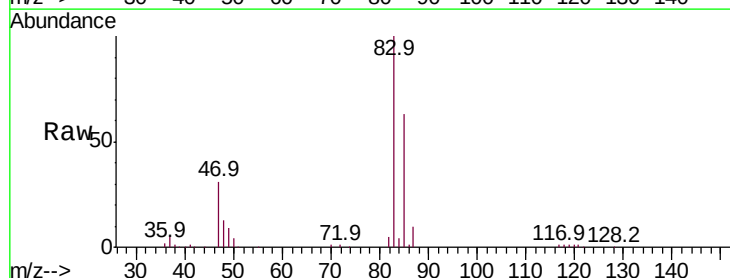
Acq: 15 Aug 2019 13:28

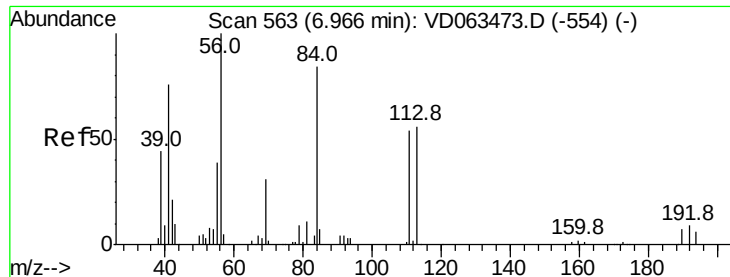
Tgt Ion: 83 Resp: 1165670

Ion Ratio Lower Upper

83 100

85 63.5 54.8 82.2

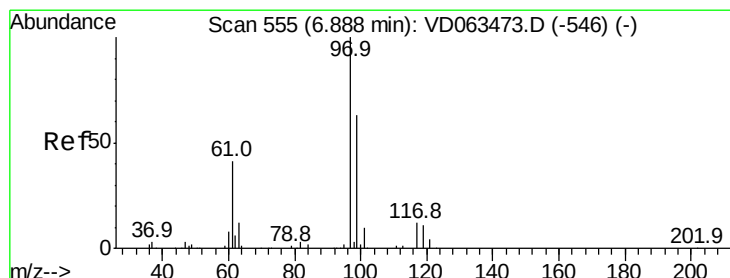
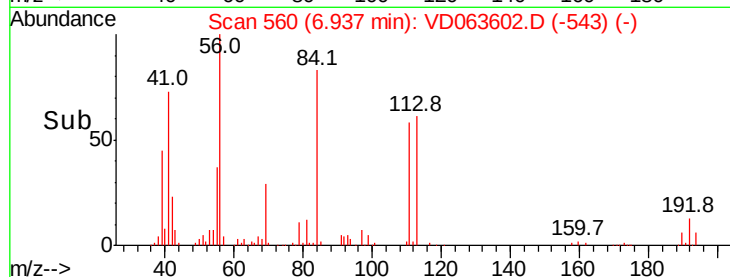
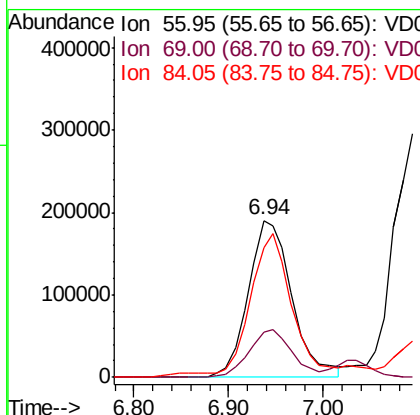
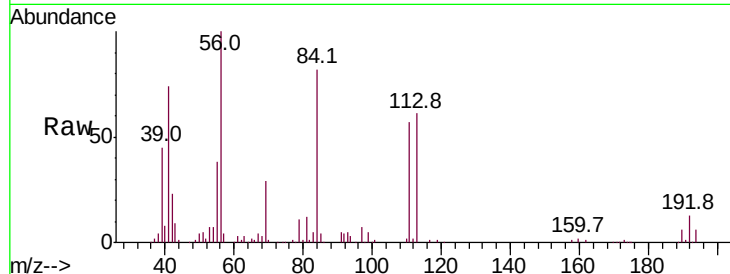




#31
Cyclohexane
Concen: 54.341 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.03 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

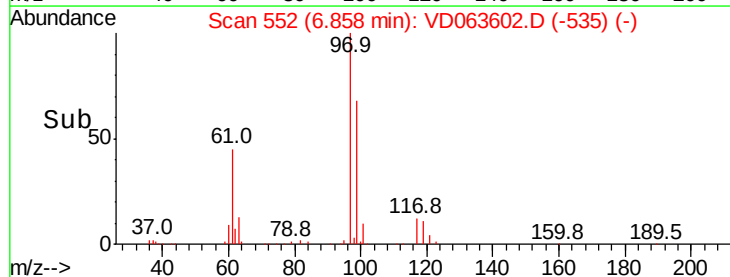
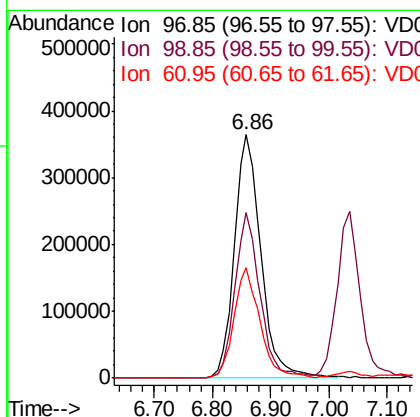
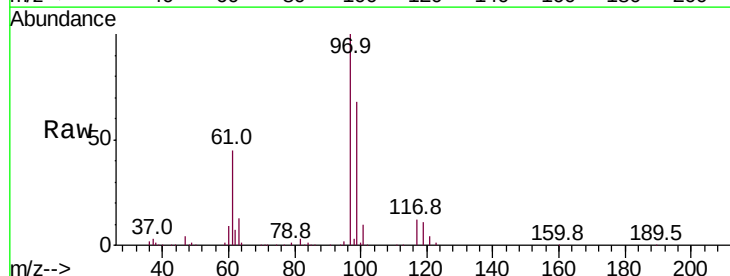
Instrument :
MSVOA_D
ClientSampleId :

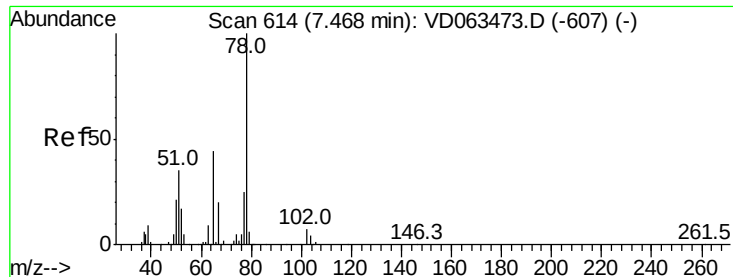
Tot Ion: 56 Resp: 606796
Ion Ratio Lower Upper
56 100
69 28.8 25.0 37.6
84 82.4 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 53.913 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.03 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion: 97 Resp: 1153019
Ion Ratio Lower Upper
97 100
99 68.2 50.2 75.4
61 45.4 33.1 49.7

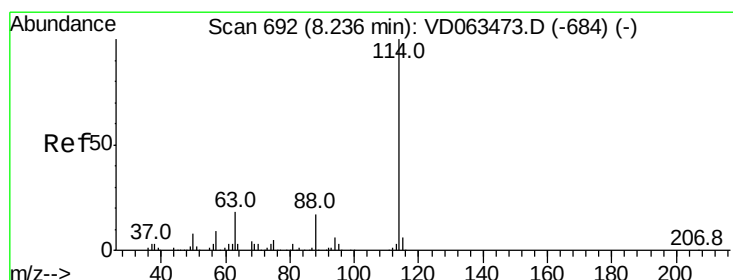
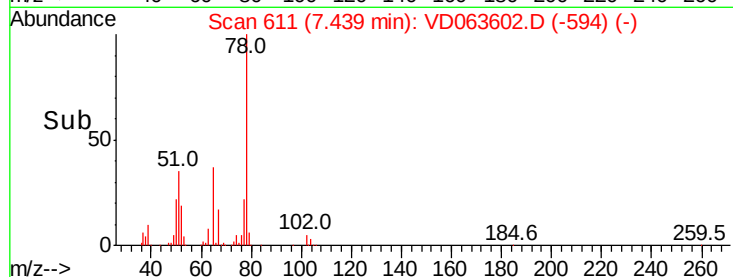
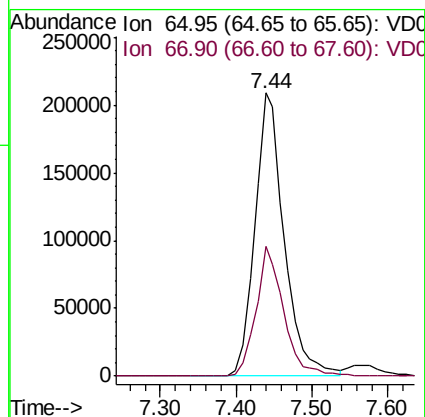
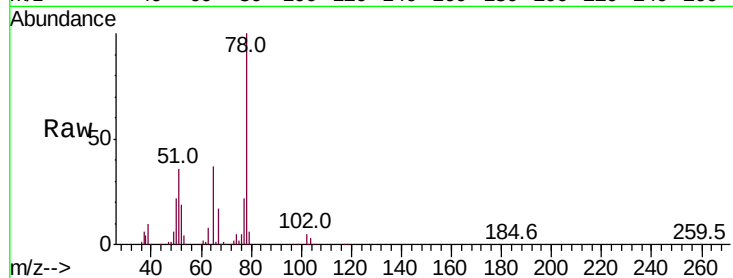




#33
 1,2-Dichloroethane-d4
 Concen: 45.499 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

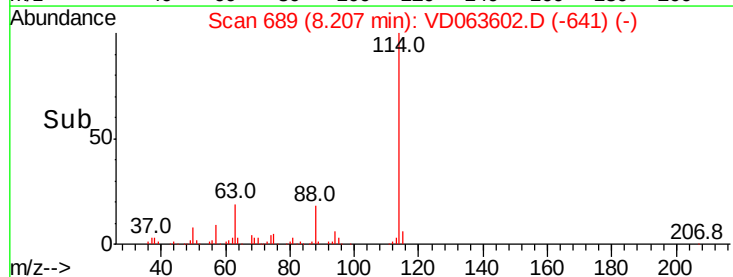
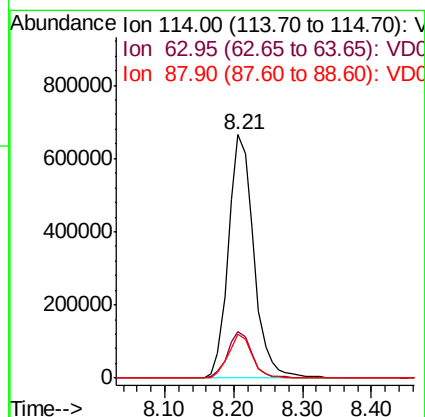
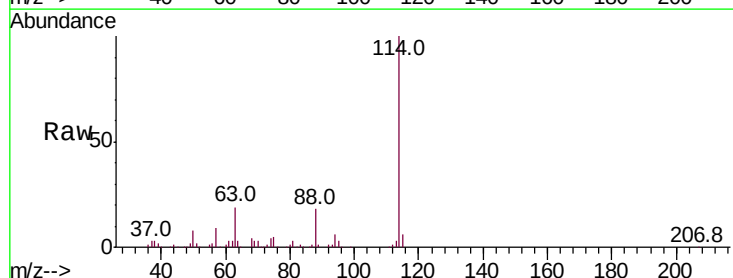
Instrument :
 MSVOA_D
 ClientSampleId :

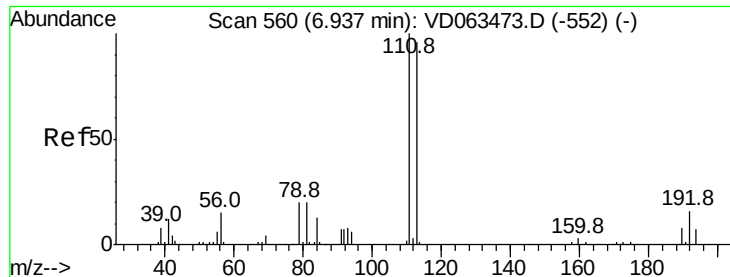
Tot Ion: 65 Resp: 562687
 Ion Ratio Lower Upper
 65 100
 67 45.7 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Tgt Ion: 114 Resp: 1692778
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.2
 88 18.0 0.0 35.0





#35

Dibromofluoromethane

Concen: 47.977 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

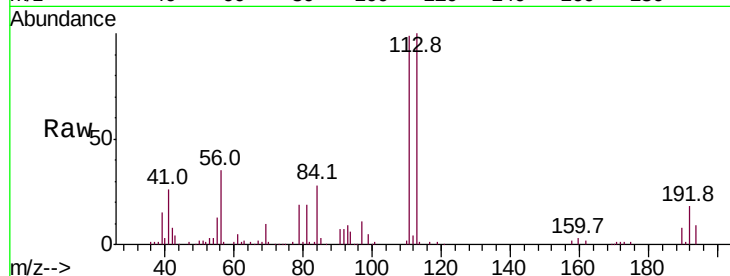
Tot Ion:113 Resp: 683988

Ion Ratio Lower Upper

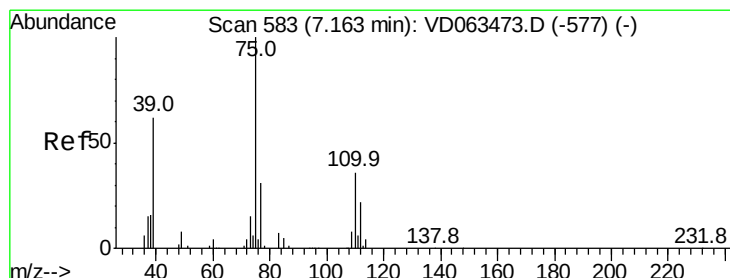
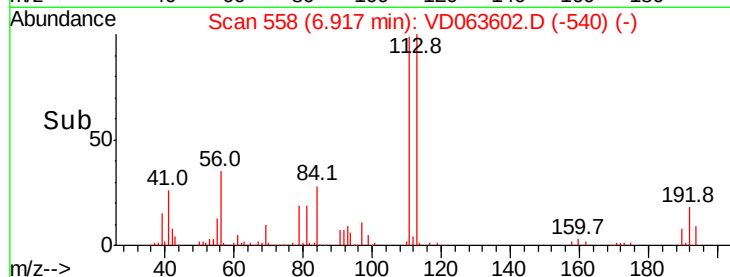
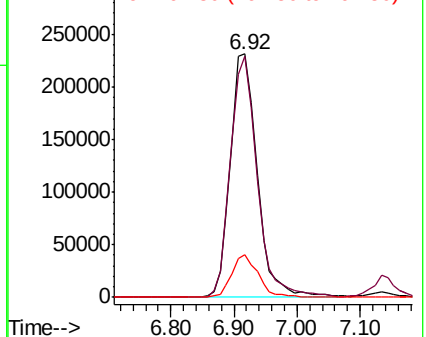
113 100

111 98.9 83.1 124.7

192 17.5 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.558 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

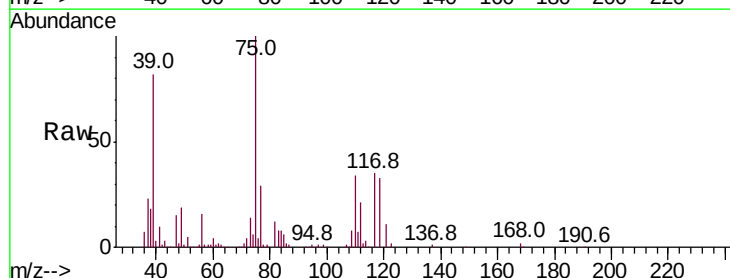
Tgt Ion: 75 Resp: 786505

Ion Ratio Lower Upper

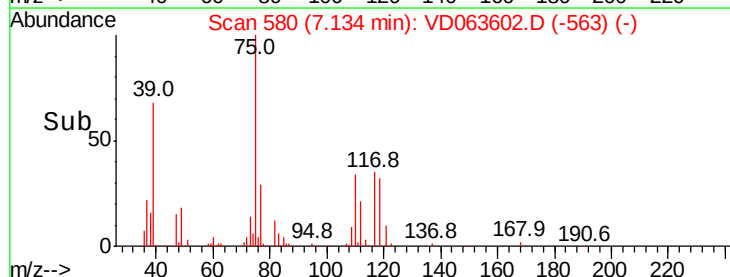
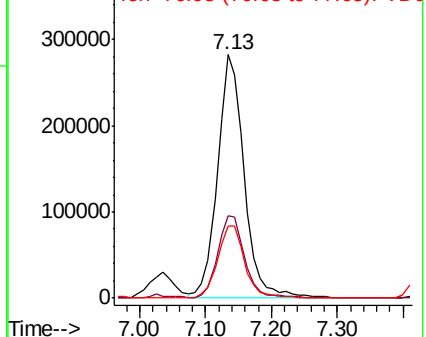
75 100

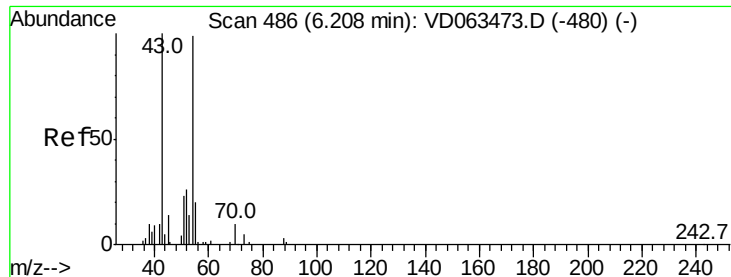
110 33.8 17.6 52.8

77 29.4 24.3 36.5



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

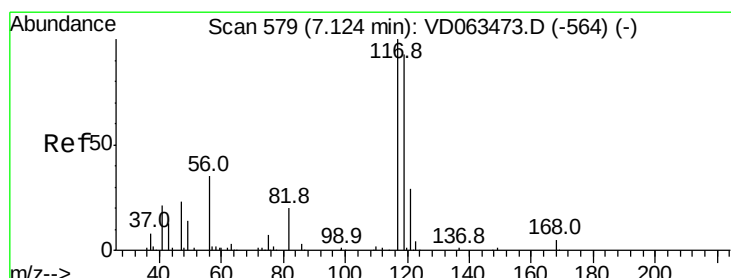
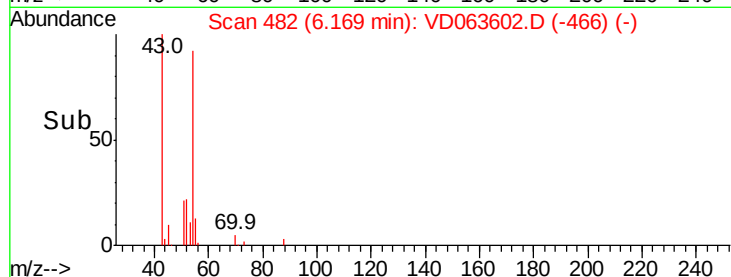
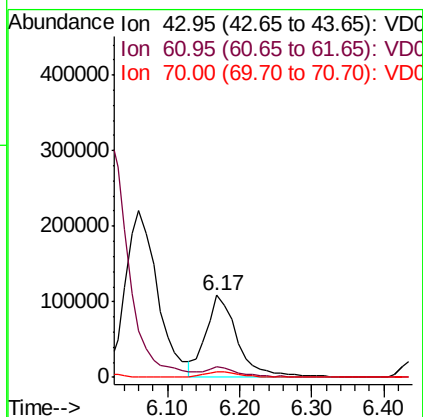
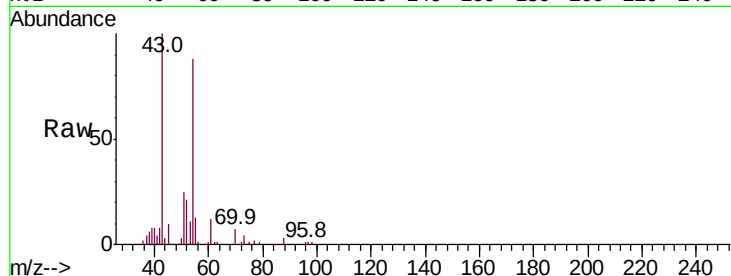




#37
Ethyl Acetate
Concen: 51.455 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.04 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

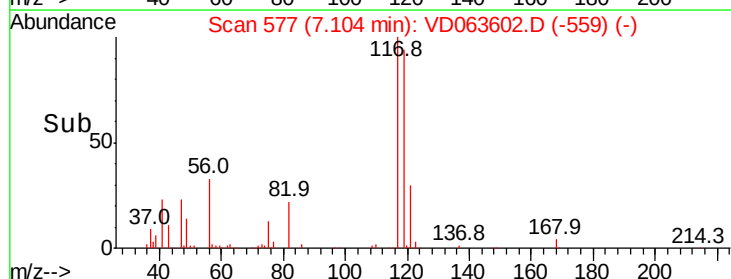
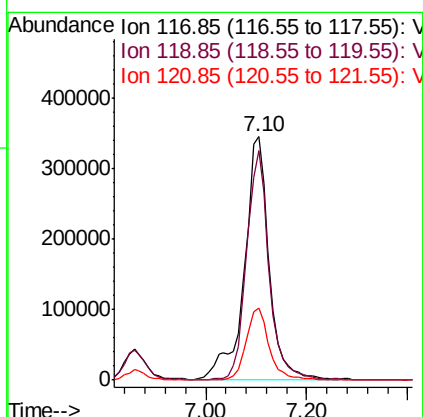
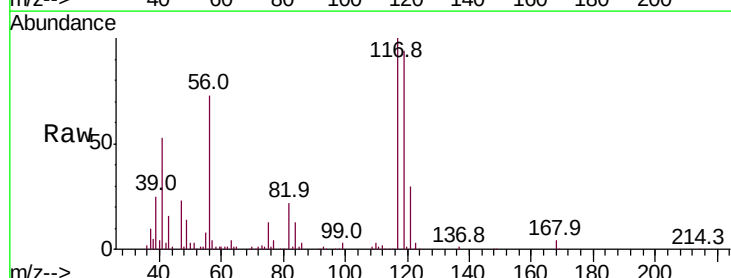
Instrument :
MSVOA_D
ClientSampleId :

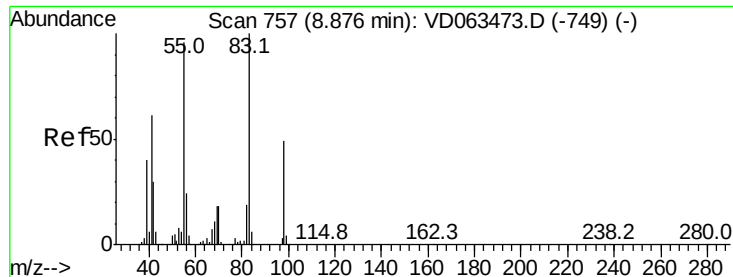
Tot Ion: 43 Resp: 322656
Ion Ratio Lower Upper
43 100
61 12.2 9.0 13.6
70 7.2 6.9 10.3



#38
Carbon Tetrachloride
Concen: 52.371 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion: 117 Resp: 1181131
Ion Ratio Lower Upper
117 100
119 94.2 74.2 111.2
121 29.6 23.1 34.7

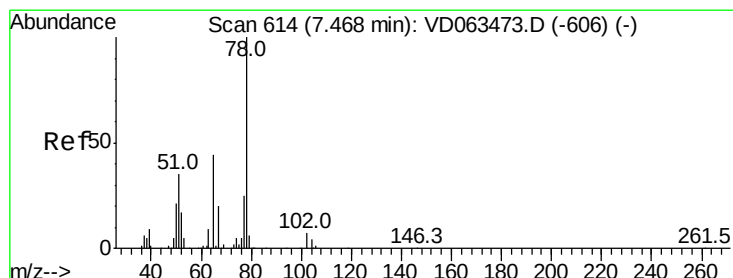
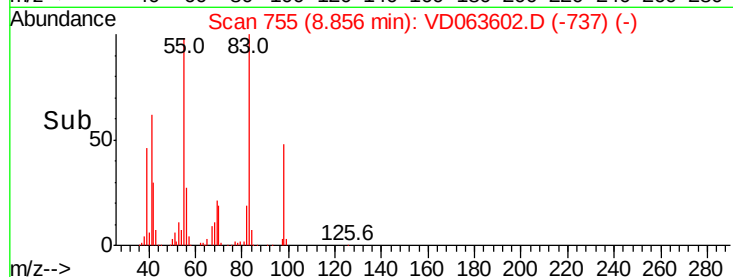
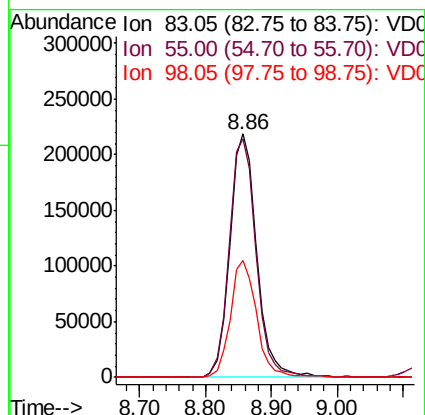
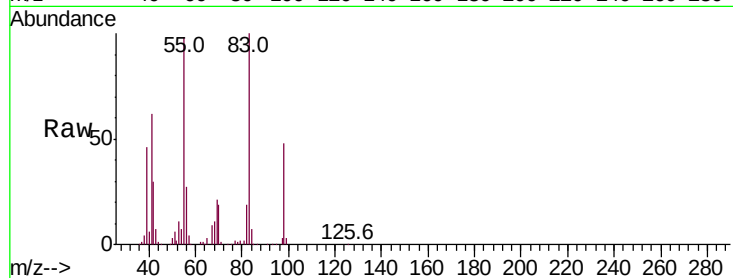




#39
Methylvlcyclohexane
Concen: 49.108 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

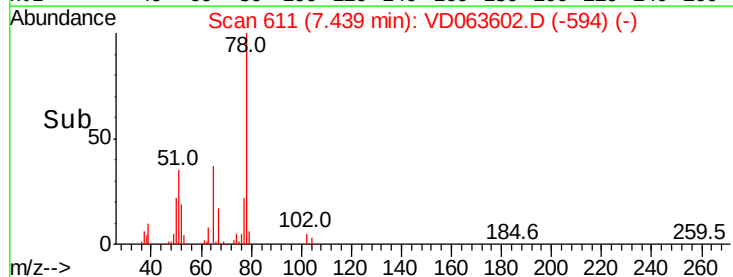
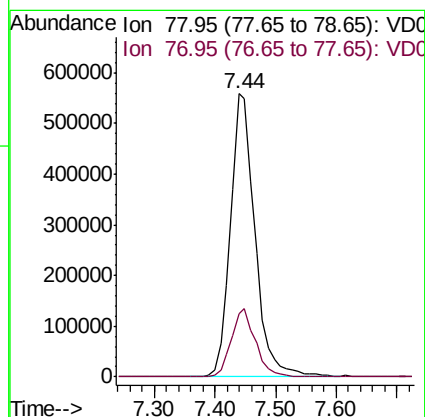
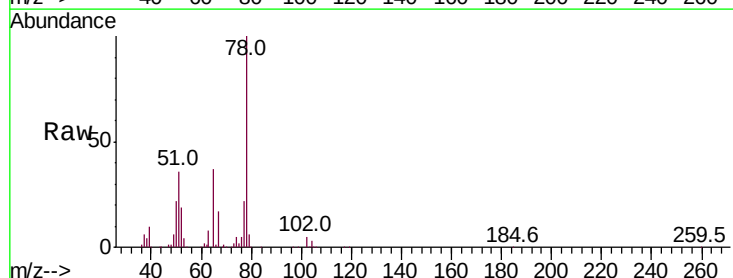
Instrument :
MSVOA_D
ClientSampled :

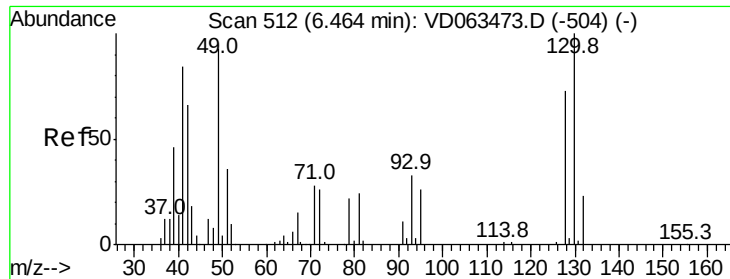
Tot Ion	83	Resp	624896
Ion Ratio	100	Lower	Upper
55	98.0	76.6	114.8
98	48.2	39.4	59.0



#40
Benzene
Concen: 47.721 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion	78	Resp	1571537
Ion Ratio	100	Lower	Upper
77	22.3	20.1	30.1





#41

Methacrylonitrile

Concen: 53.284 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 420699

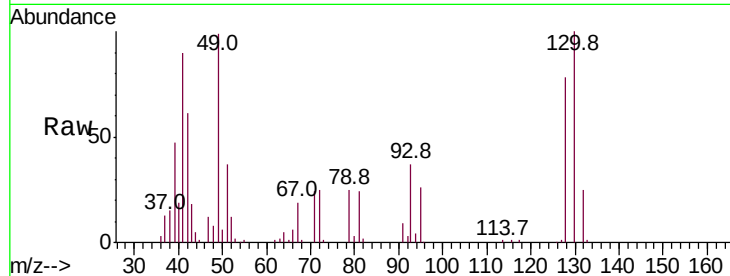
Ion Ratio Lower Upper

41 100

39 52.4 44.6 66.8

67 21.5 14.4 21.6

52 12.9 9.3 13.9

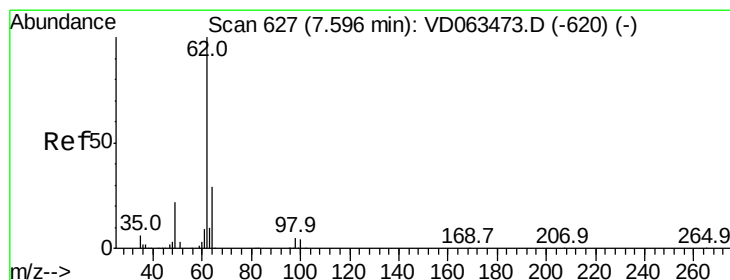
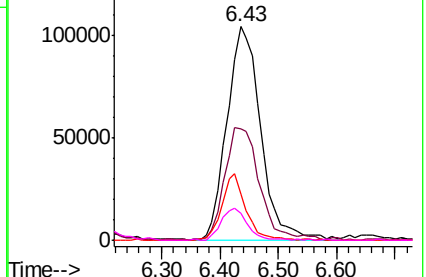
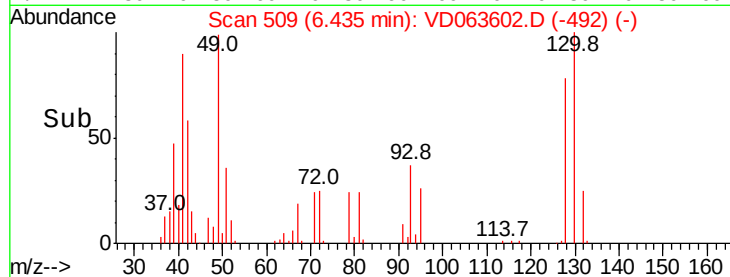


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.084 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.03 min

Lab File: VD063602.D

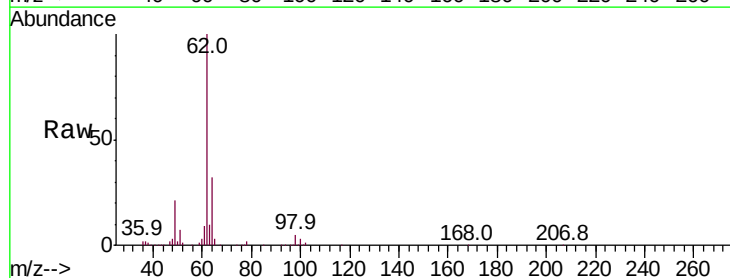
Acq: 15 Aug 2019 13:28

Tgt Ion: 62 Resp: 812782

Ion Ratio Lower Upper

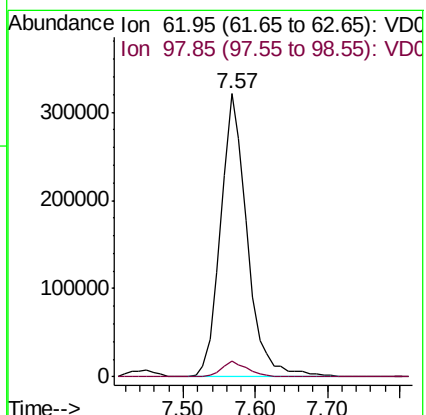
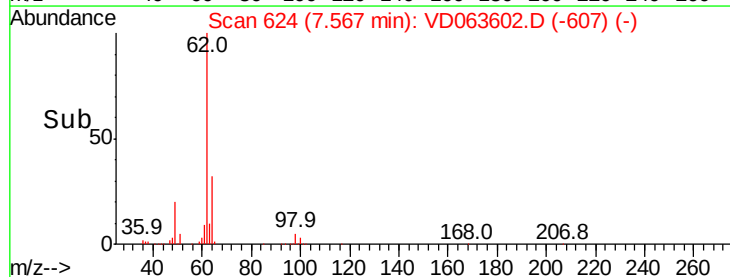
62 100

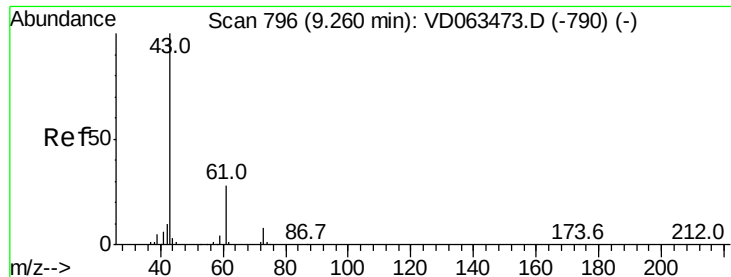
98 5.4 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 53.331 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampled :

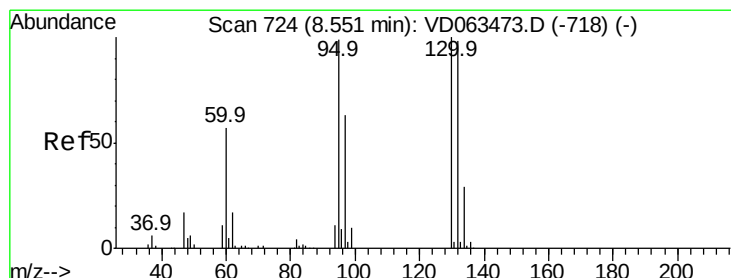
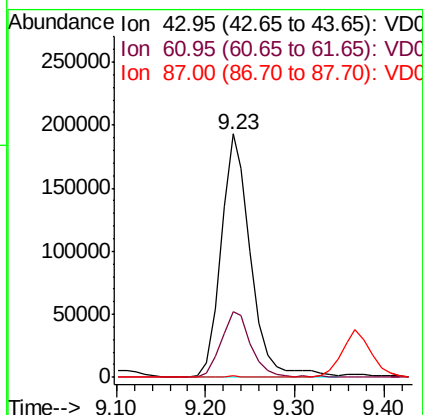
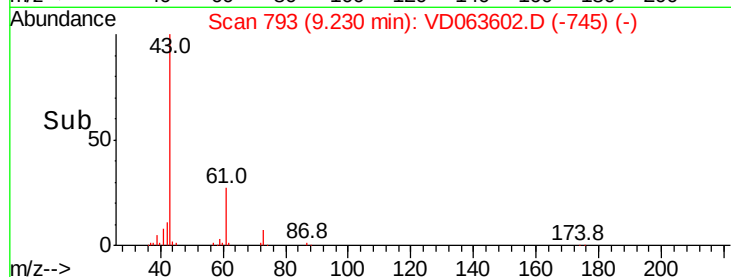
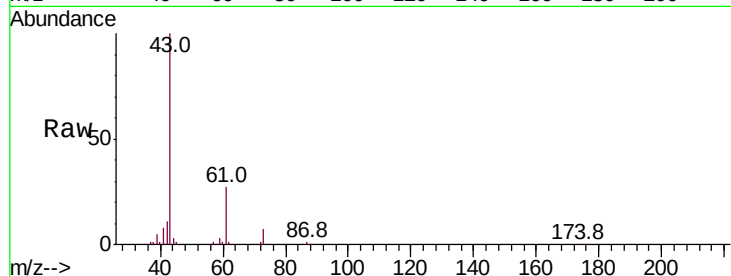
Tot Ion: 43 Resp: 447894

Ion Ratio Lower Upper

43 100

61 26.9 22.2 33.2

87 0.6 0.2 0.4#



#44

Trichloroethene

Concen: 53.906 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063602.D

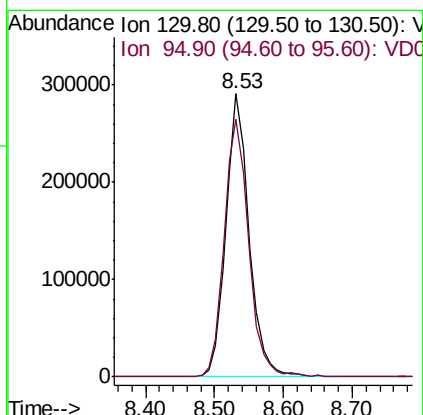
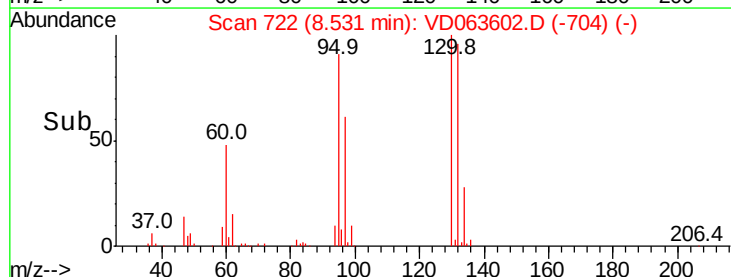
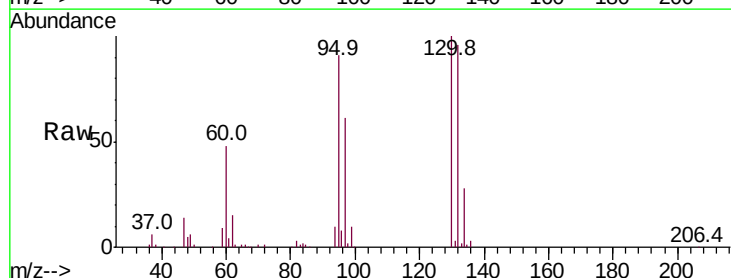
Acq: 15 Aug 2019 13:28

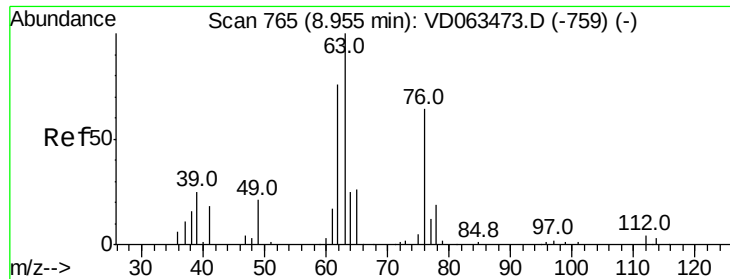
Tgt Ion: 130 Resp: 678527

Ion Ratio Lower Upper

130 100

95 91.1 0.0 198.0

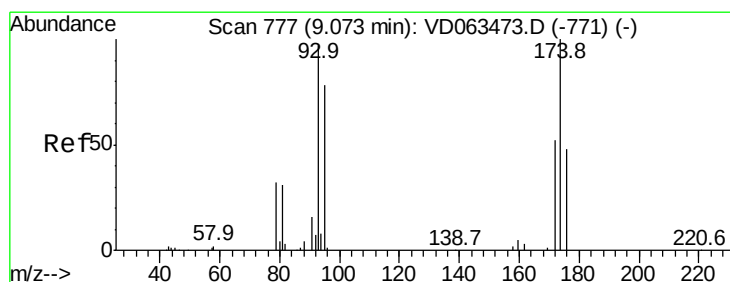
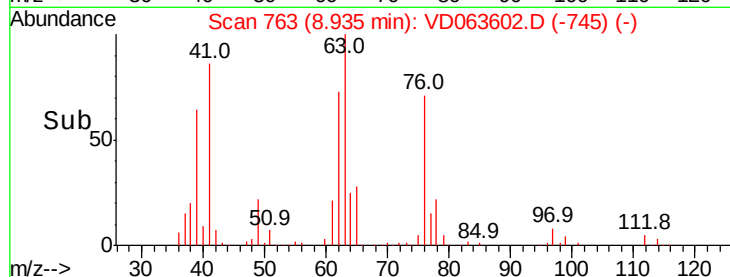
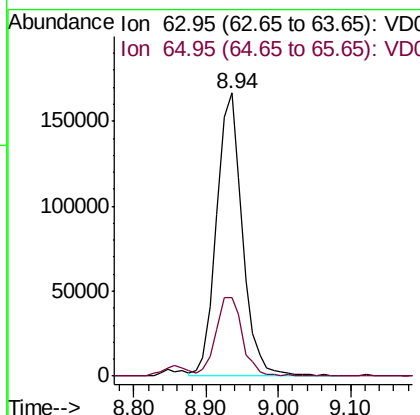
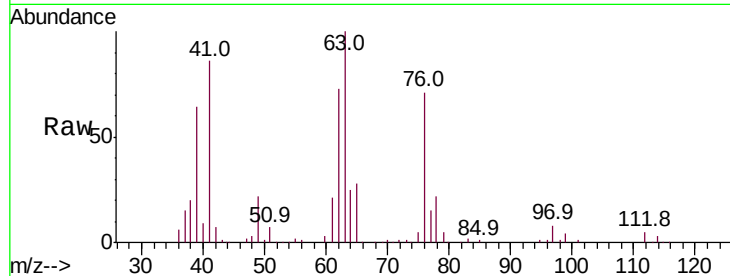




#45
 1,2-Dichloropropane
 Concen: 53.746 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

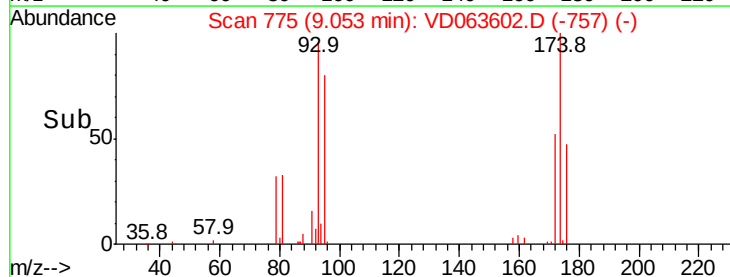
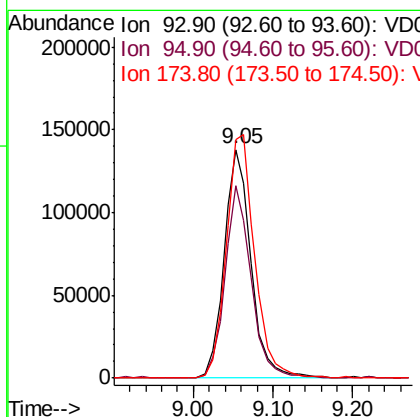
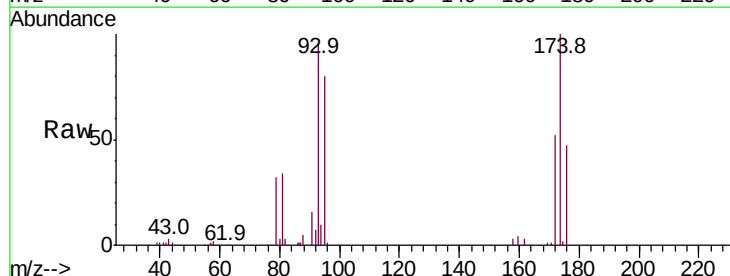
Instrument :
 MSVOA_D
 ClientSampleId :

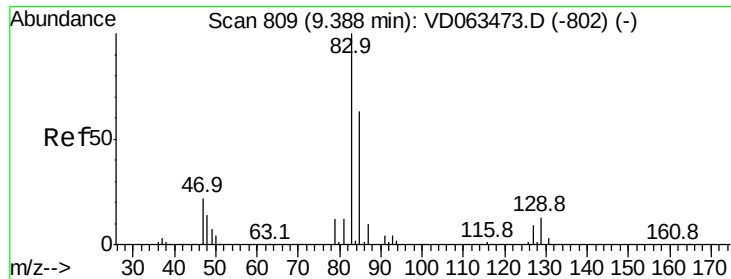
Tot Ion: 63 Resp: 412177
 Ion Ratio Lower Upper
 63 100
 65 27.6 22.5 33.7



#46
 Dibromomethane
 Concen: 49.935 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Tgt Ion: 93 Resp: 327031
 Ion Ratio Lower Upper
 93 100
 95 84.2 64.2 96.2
 174 104.6 82.1 123.1





#47

Bromodichloromethane

Concen: 51.997 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

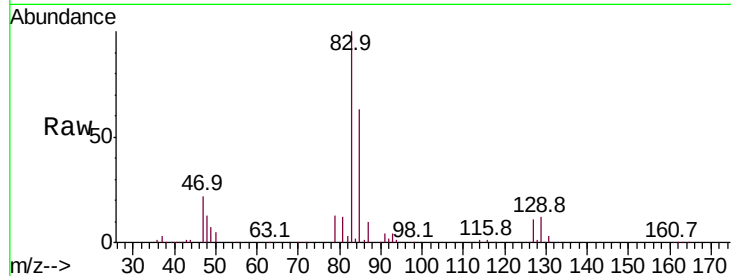
Tot Ion: 83 Resp: 873503

Ion Ratio Lower Upper

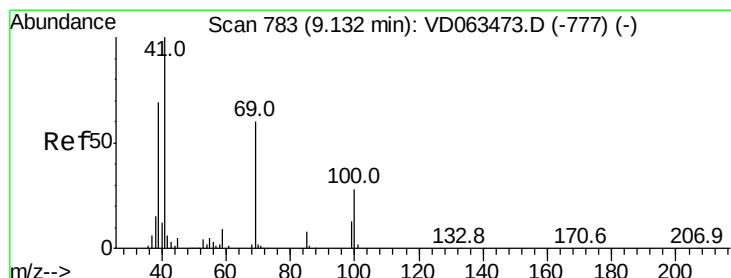
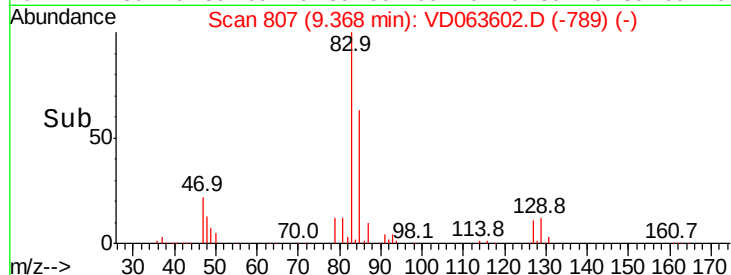
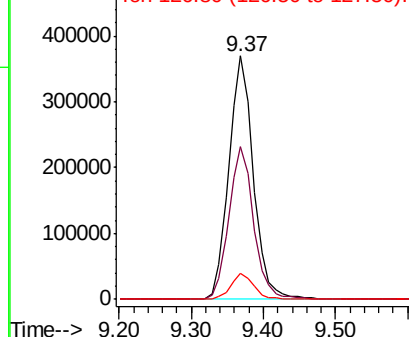
83 100

85 63.0 50.1 75.1

127 10.7 7.6 11.4



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: 47.140 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

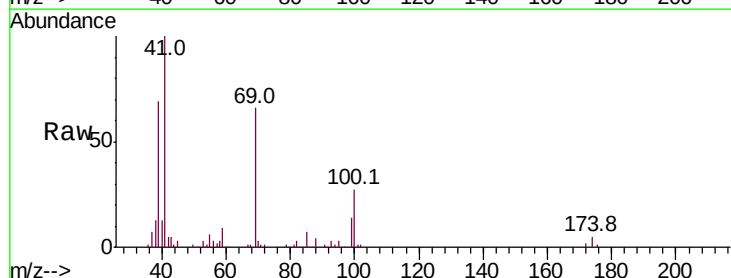
Tgt Ion: 41 Resp: 268487

Ion Ratio Lower Upper

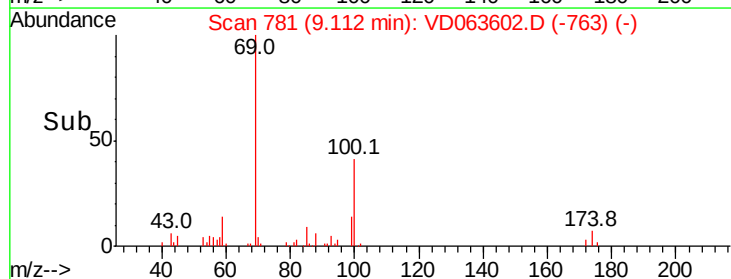
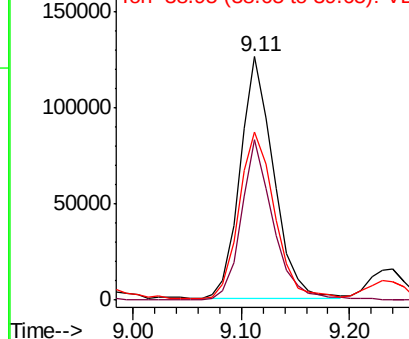
41 100

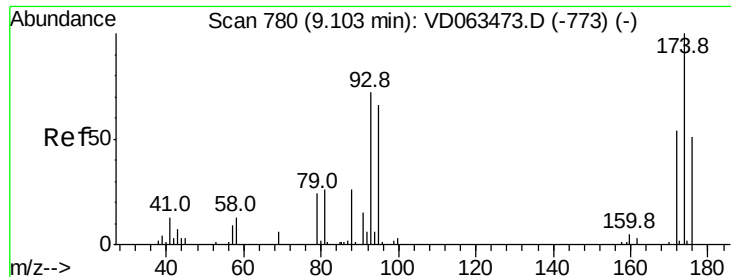
69 65.9 47.6 71.4

39 68.8 55.7 83.5



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

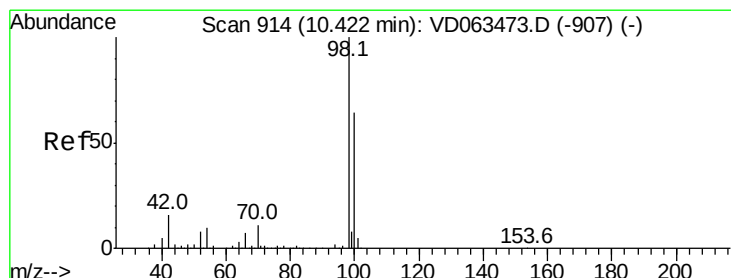
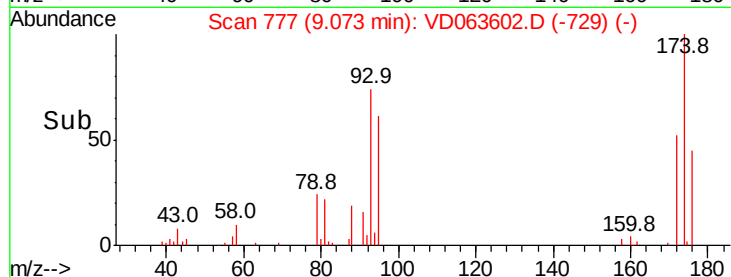
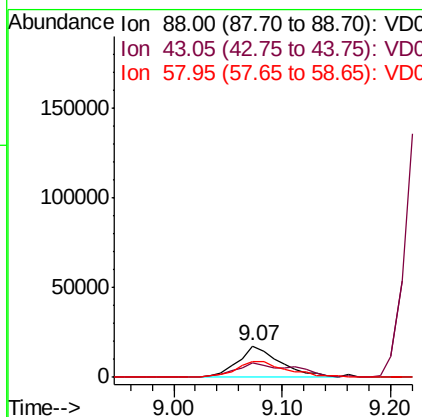
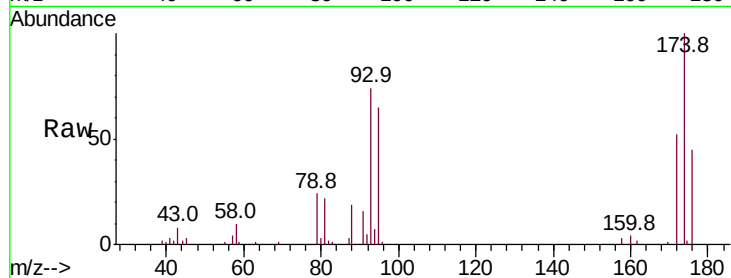




#49
 1,4-Dioxane
 Concen: 934.026 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.03 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

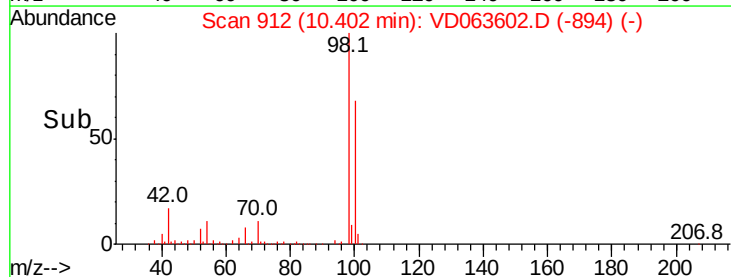
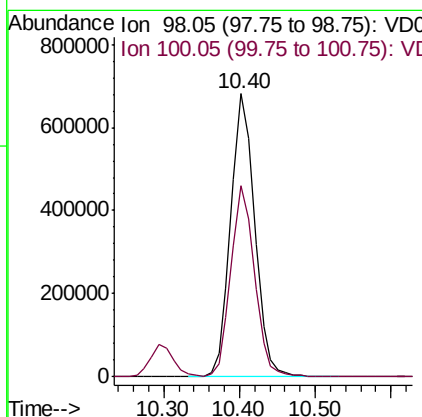
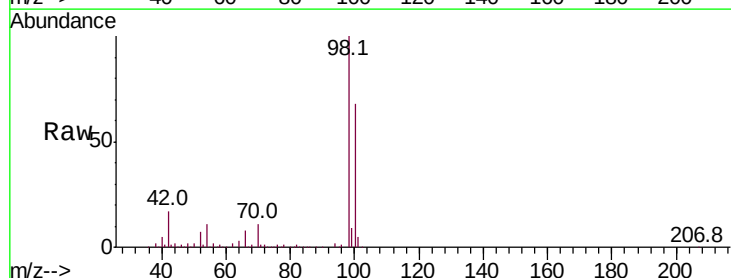
Instrument :
 MSVOA_D
 ClientSampleId :

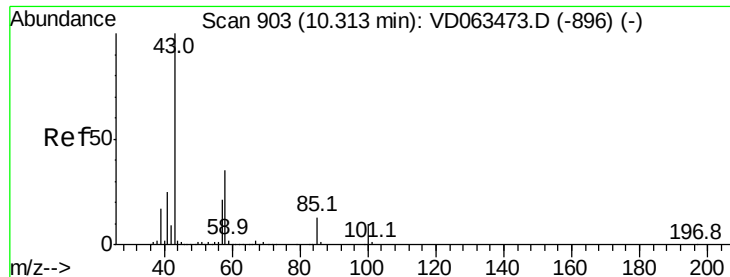
Tot Ion: 88 Resp: 47420
 Ion Ratio Lower Upper
 88 100
 43 44.8 22.9 34.3#
 58 51.4 40.1 60.1



#50
 Toluene-d8
 Concen: 47.815 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Tgt Ion: 98 Resp: 1498701
 Ion Ratio Lower Upper
 98 100
 100 67.6 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 263.502 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

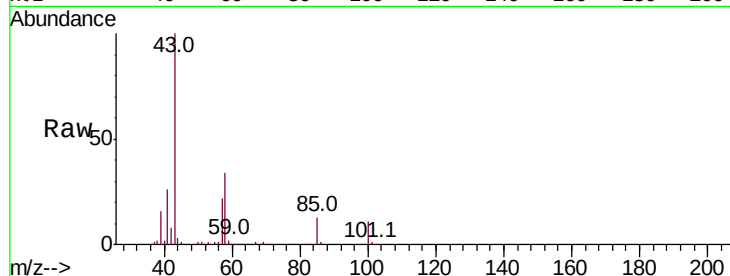
ClientSampleId :

Tot Ion: 43 Resp: 1514282

Ion Ratio Lower Upper

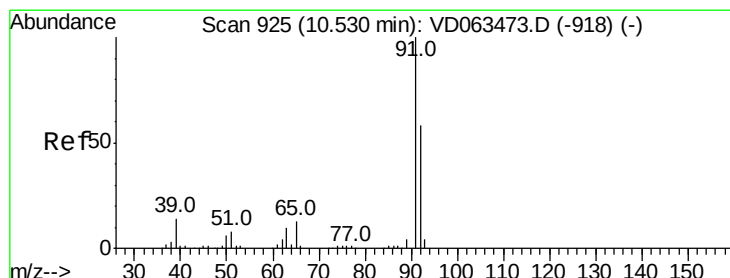
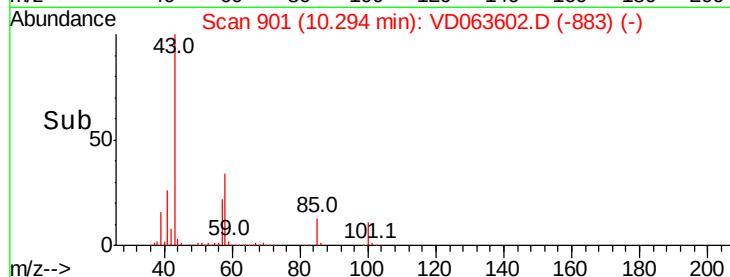
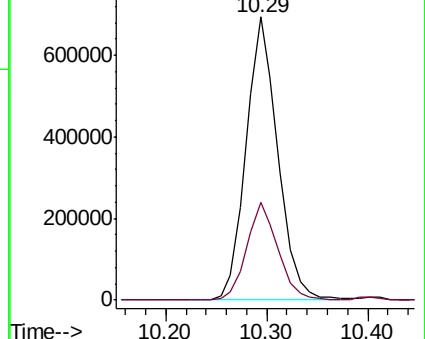
43 100

58 34.4 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.407 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD063602.D

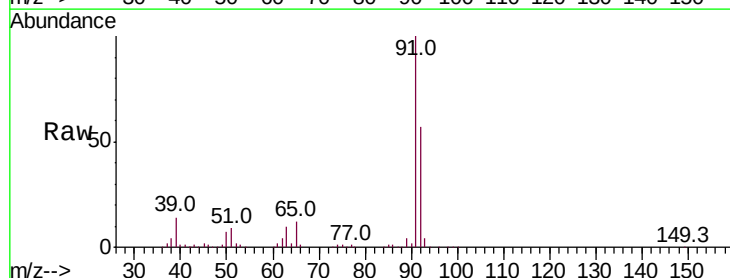
Acq: 15 Aug 2019 13:28

Tgt Ion: 92 Resp: 1069189

Ion Ratio Lower Upper

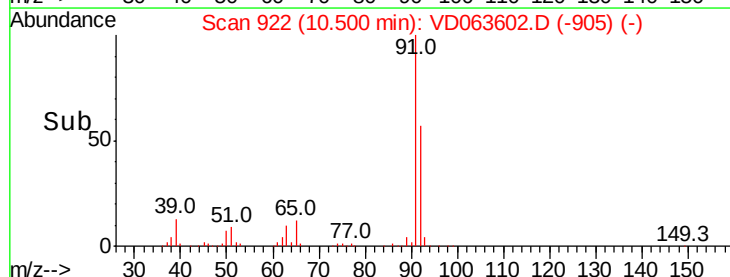
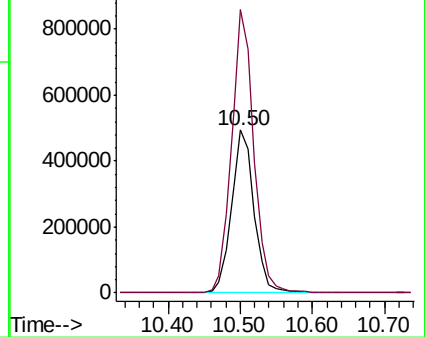
92 100

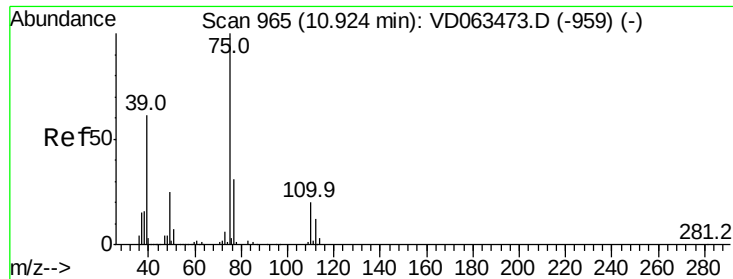
91 174.0 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 54.155 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

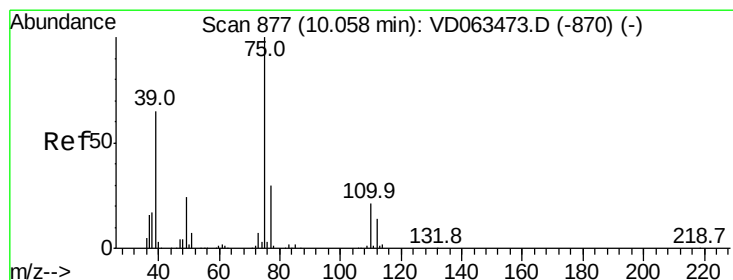
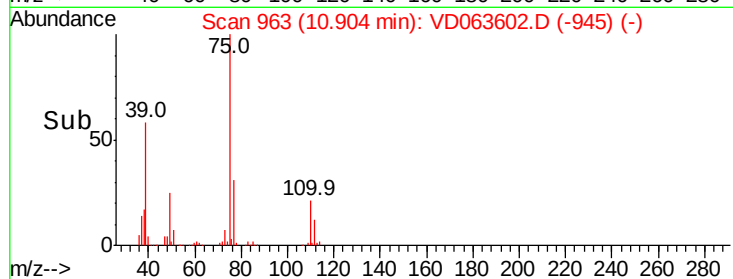
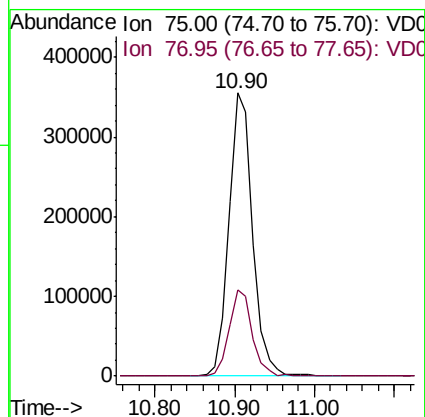
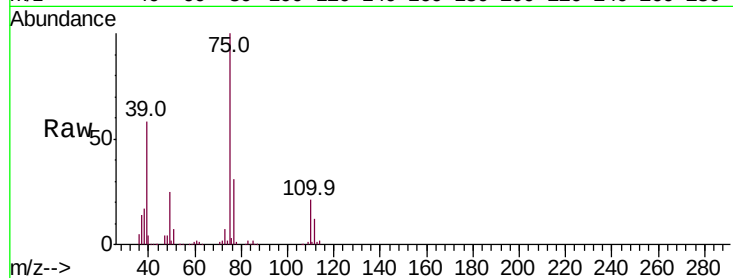
ClientSampled :

Tot Ion: 75 Resp: 742460

Ion Ratio Lower Upper

75 100

77 30.6 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 50.649 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

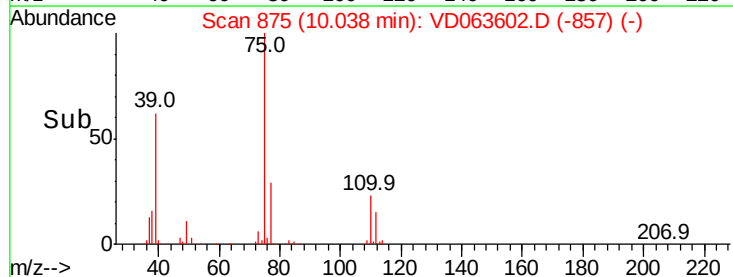
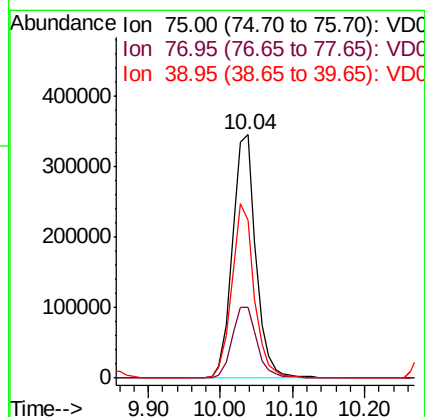
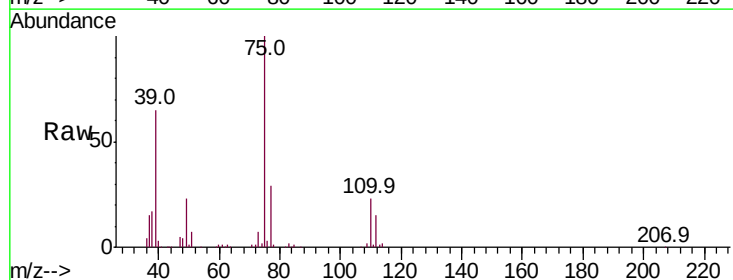
Tgt Ion: 75 Resp: 782985

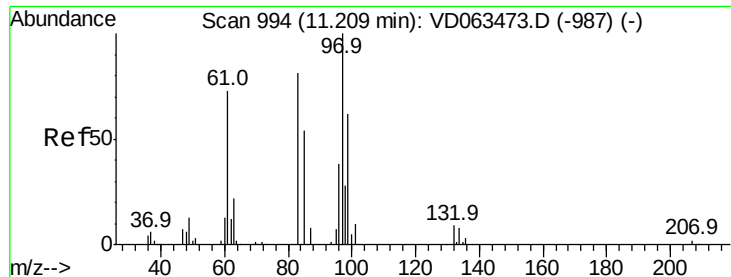
Ion Ratio Lower Upper

75 100

77 29.1 23.7 35.5

39 64.6 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 52.819 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 97 Resp: 378446

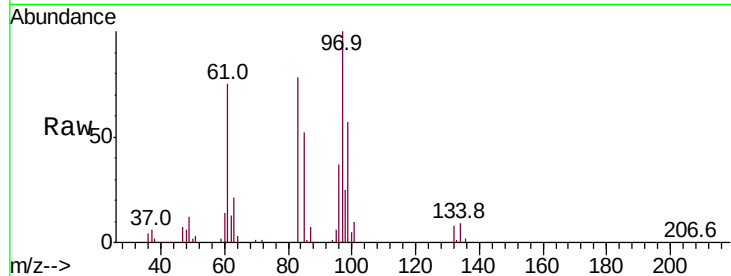
Ion Ratio Lower Upper

97 100

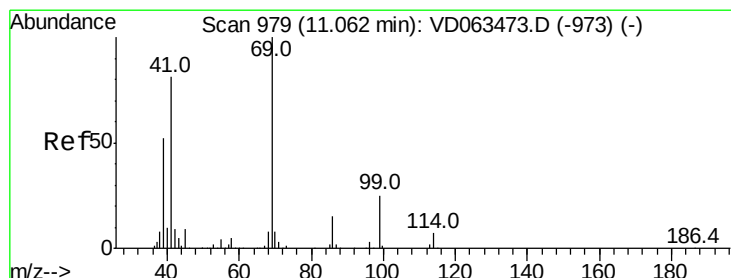
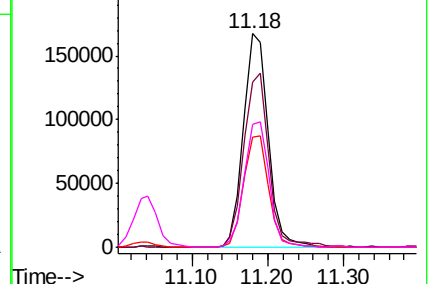
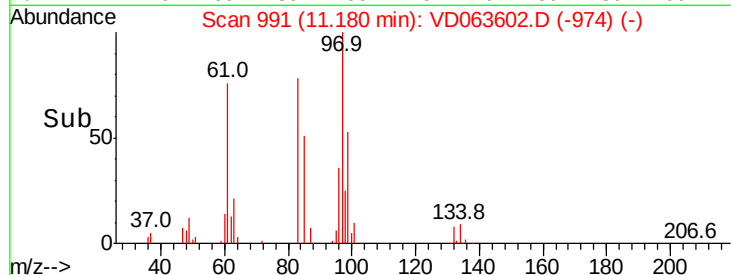
83 77.5 64.7 97.1

85 51.6 42.9 64.3

99 57.4 49.7 74.5



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



#56

Ethyl methacrylate

Concen: 51.063 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

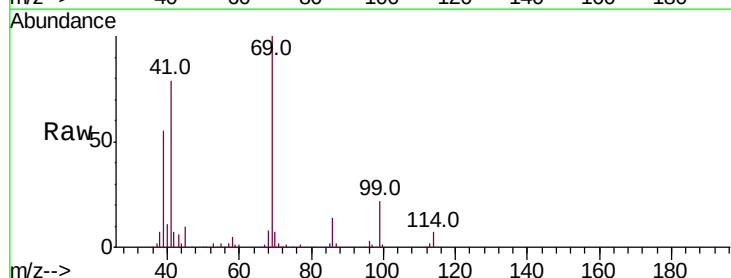
Tgt Ion: 69 Resp: 397111

Ion Ratio Lower Upper

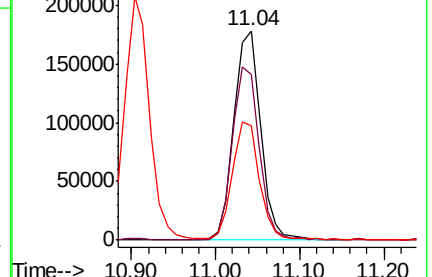
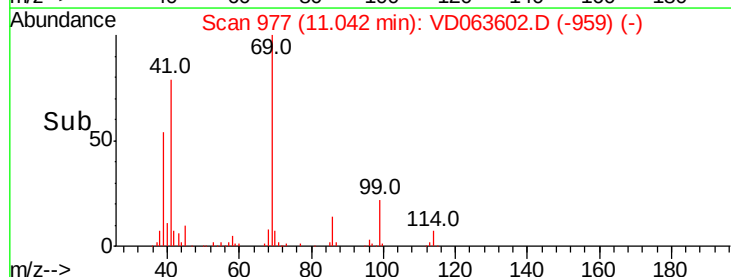
69 100

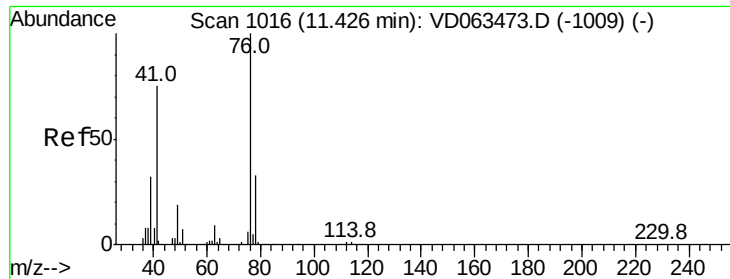
41 78.9 64.8 97.2

39 54.9 42.4 63.6



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: 50.443 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

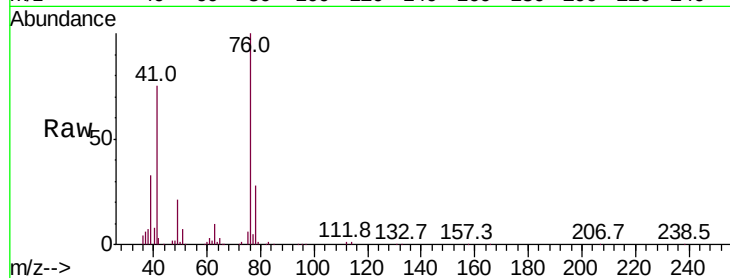
ClientSampled :

Tot Ion: 76 Resp: 546319

Ion Ratio Lower Upper

76 100

78 28.3 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

250000

200000

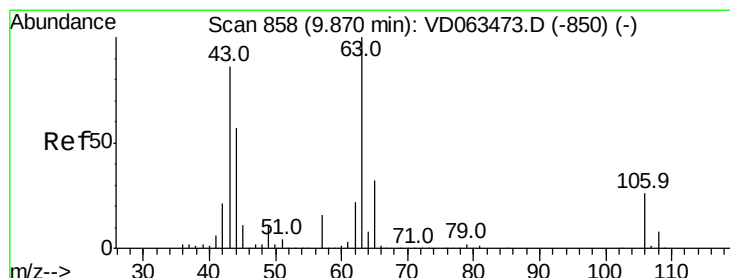
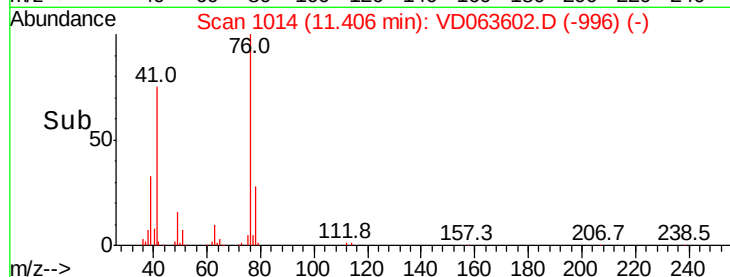
150000

100000

50000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 246.607 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063602.D

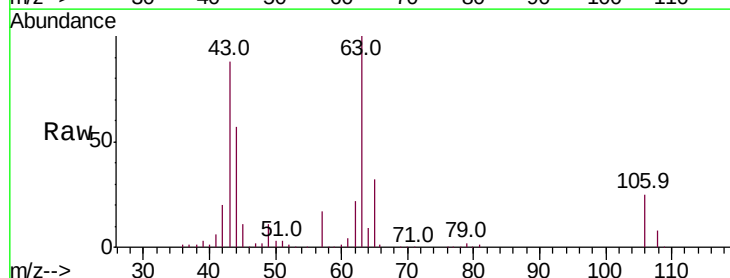
Acq: 15 Aug 2019 13:28

Tgt Ion: 63 Resp: 1012488

Ion Ratio Lower Upper

63 100

106 25.4 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

500000

400000

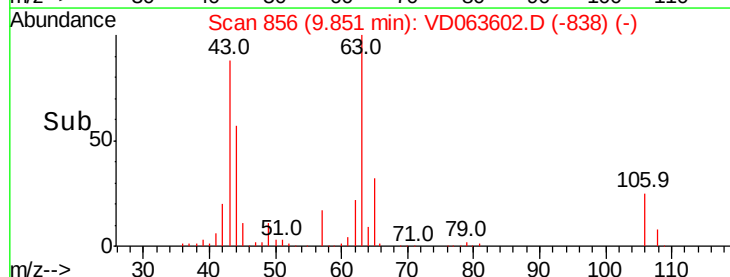
300000

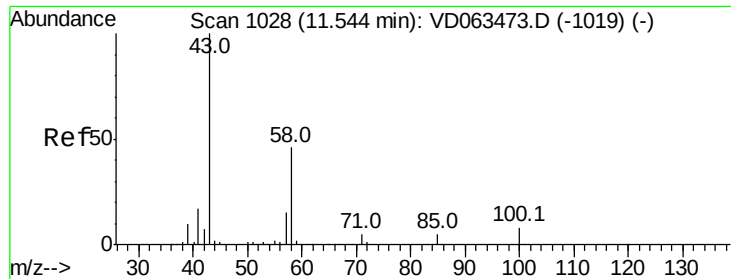
200000

100000

0

Time--> 9.70 9.80 9.90 10.00

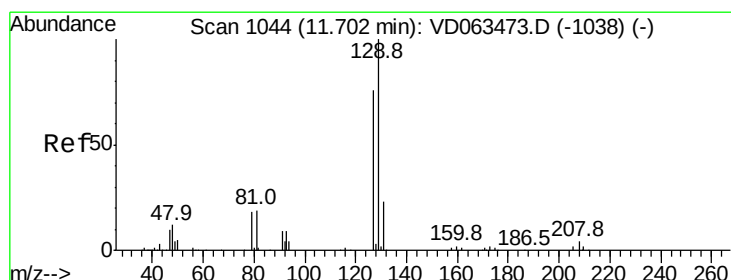
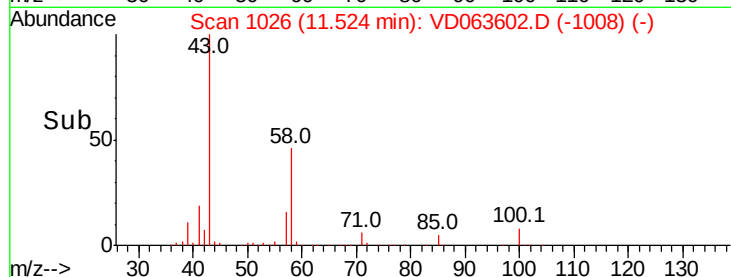
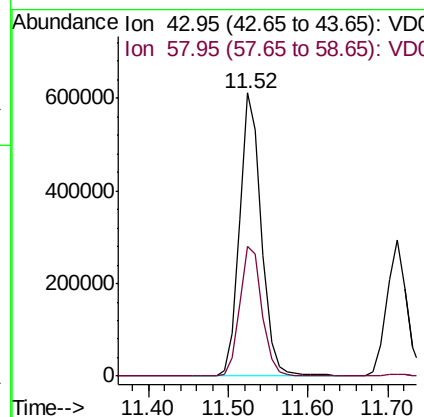
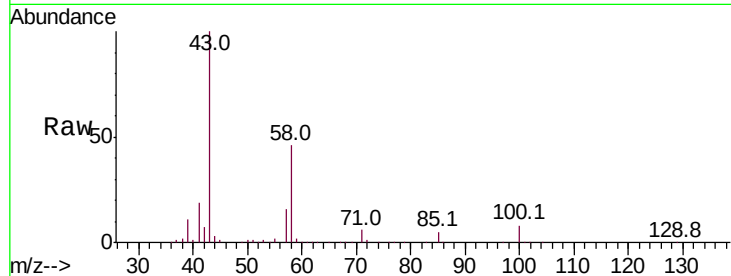




#59
2-Hexanone
Concen: 279.064 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

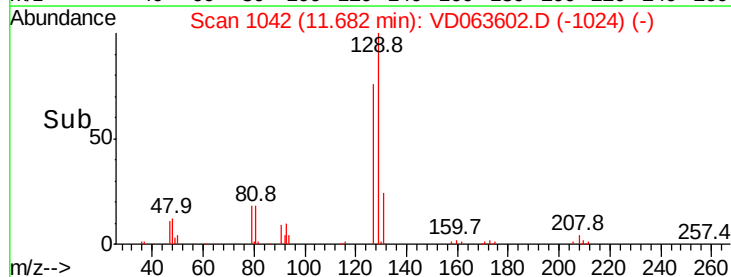
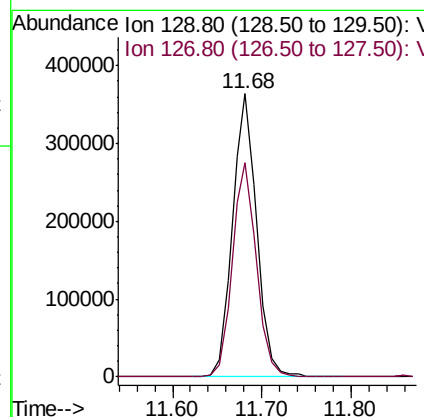
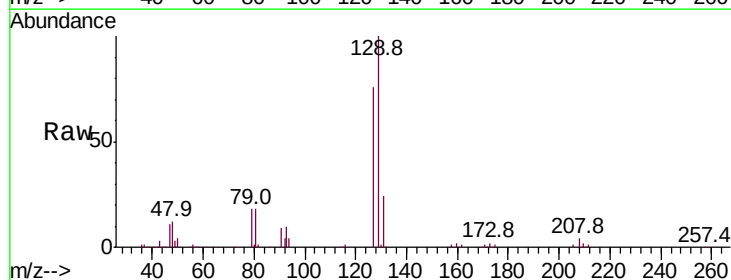
Instrument :
MSVOA_D
ClientSampleId :

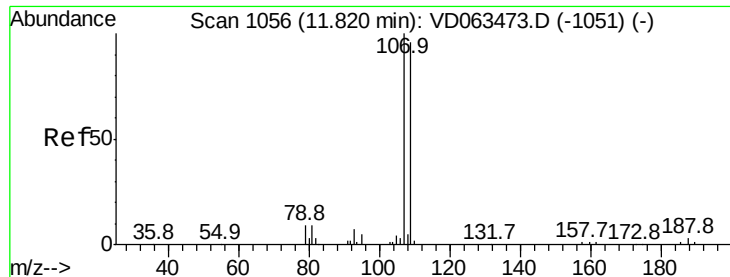
Tot Ion: 43 Resp: 1166906
Ion Ratio Lower Upper
43 100
58 45.8 23.1 69.2



#60
Dibromochloromethane
Concen: 53.226 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion: 129 Resp: 693957
Ion Ratio Lower Upper
129 100
127 75.9 37.8 113.4





#61

1,2-Dibromoethane

Concen: 51.343 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

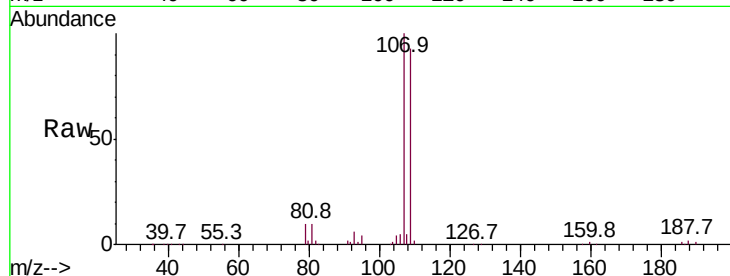
ClientSampled :

Tot Ion:107 Resp: 445342

Ion Ratio Lower Upper

107 100

109 92.6 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.80

250000

200000

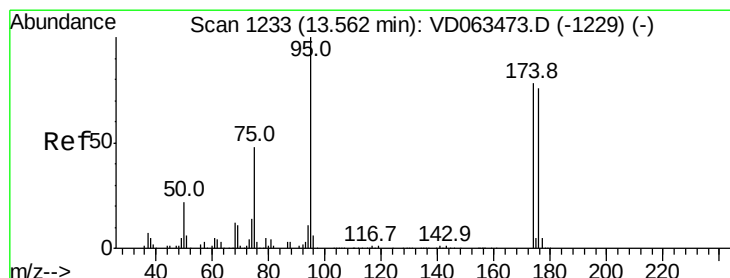
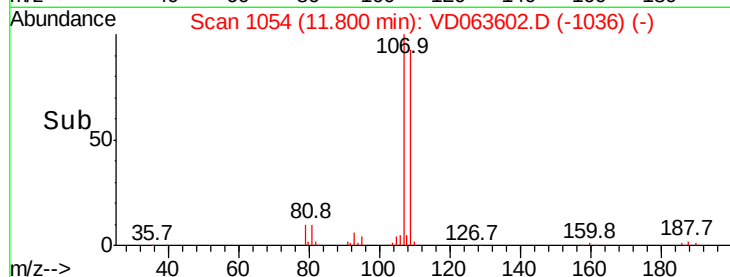
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.875 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

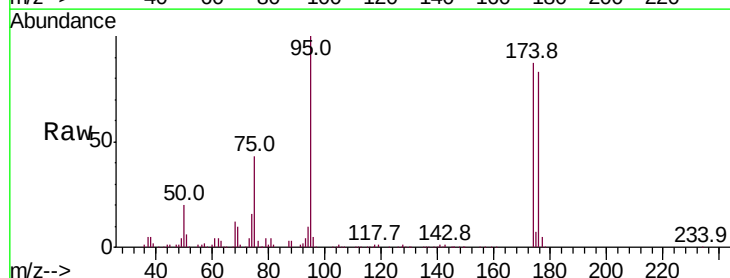
Tgt Ion: 95 Resp: 637507

Ion Ratio Lower Upper

95 100

174 87.4 0.0 155.4

176 83.1 0.0 152.4



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

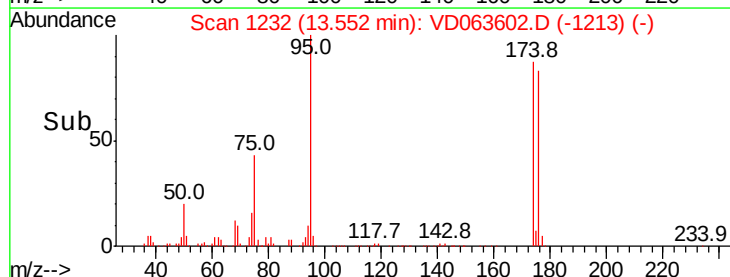
600000

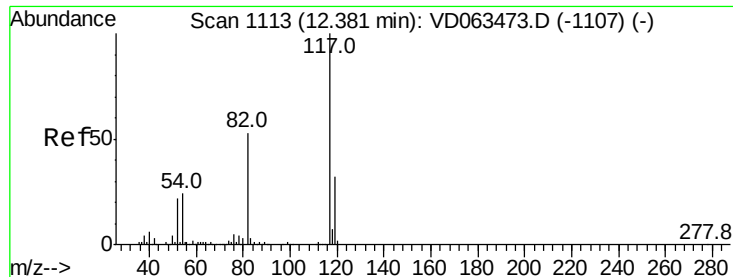
400000

200000

0

Time-->

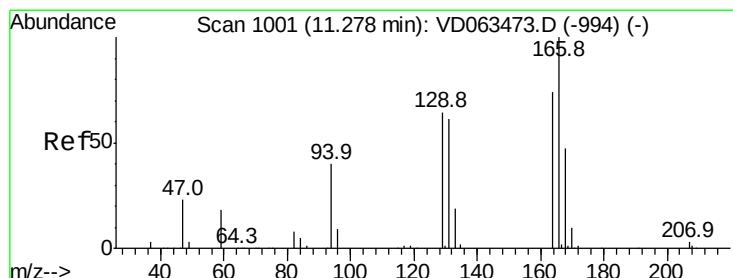
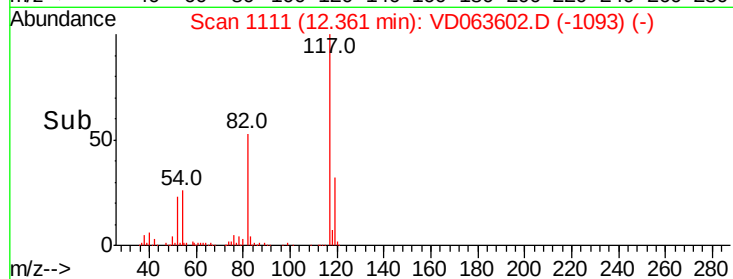
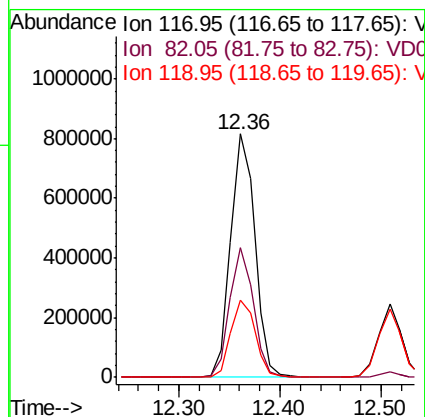
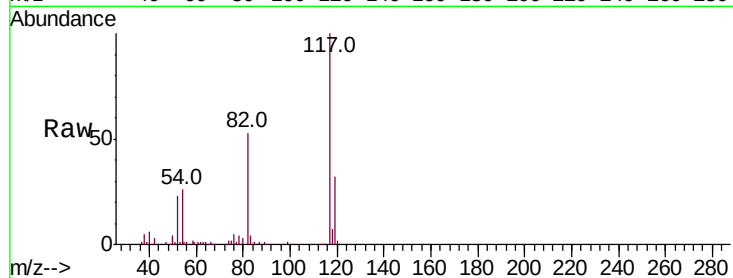




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

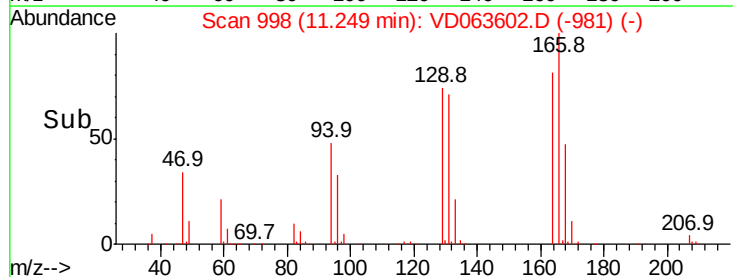
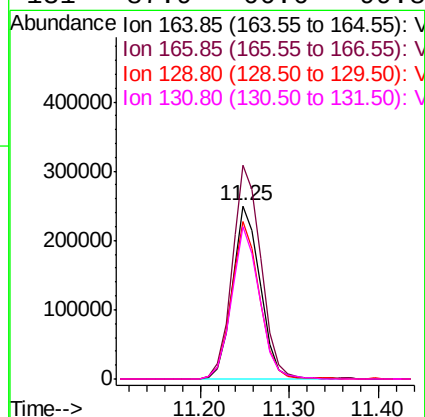
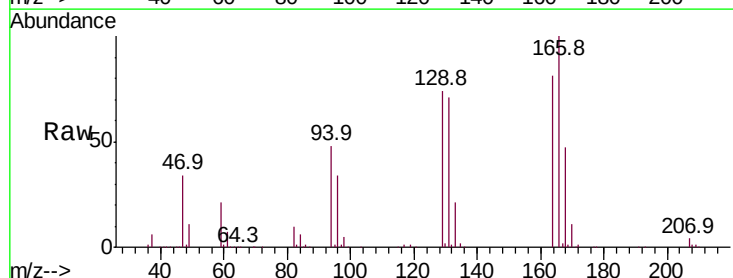
Instrument :
MSVOA_D
ClientSampleID :

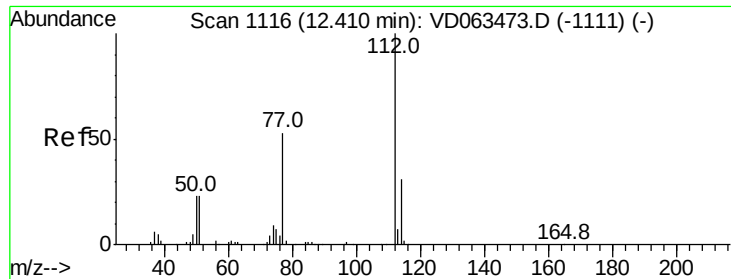
Tot Ion:117 Resp: 1363710
Ion Ratio Lower Upper
117 100
82 53.1 42.0 63.0
119 31.6 25.4 38.0



#64
Tetrachloroethene
Concen: 51.934 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion:164 Resp: 546736
Ion Ratio Lower Upper
164 100
166 123.6 108.6 163.0
129 91.1 69.0 103.6
131 87.9 66.6 99.8

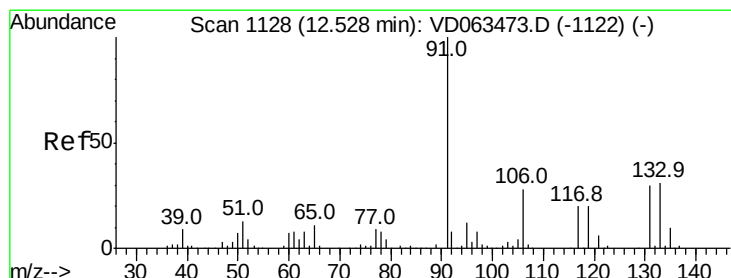
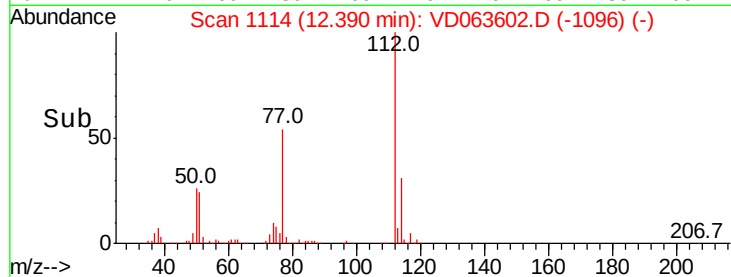
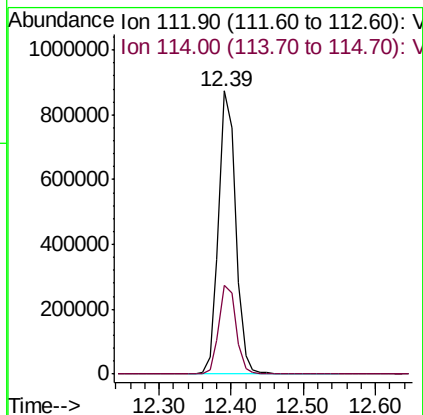
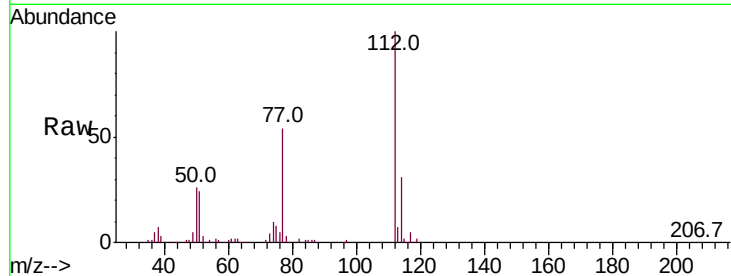




#65
Chlorobenzene
Concen: 55.836 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

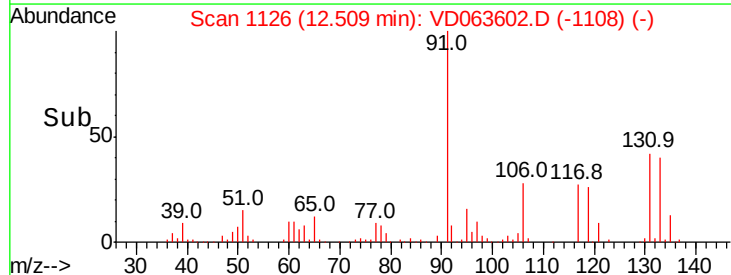
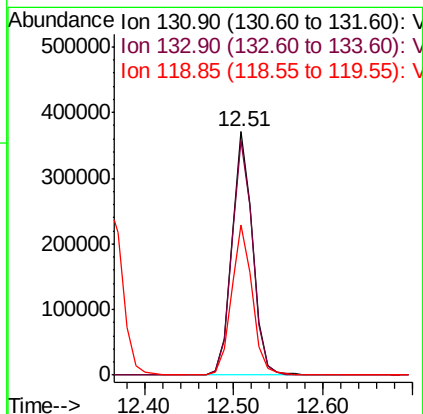
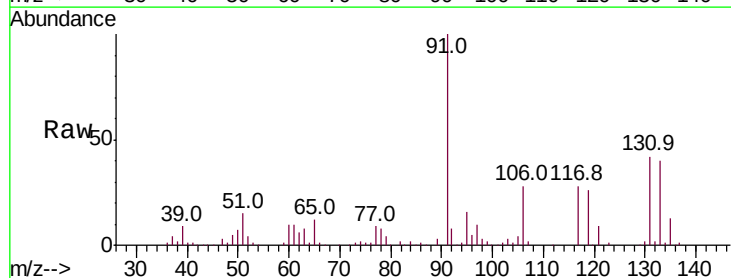
Instrument :
MSVOA_D
ClientSampleId :

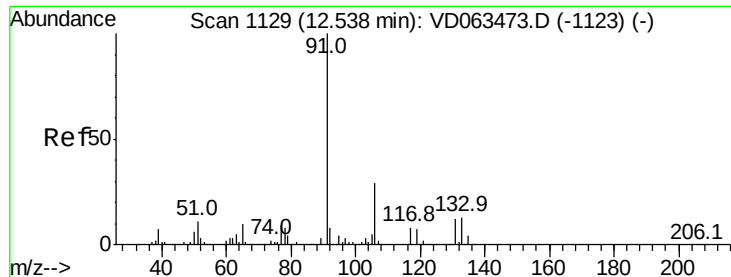
Tot Ion:112 Resp: 1427133
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.066 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion:131 Resp: 608165
Ion Ratio Lower Upper
131 100
133 96.4 51.1 153.3
119 61.7 33.1 99.3

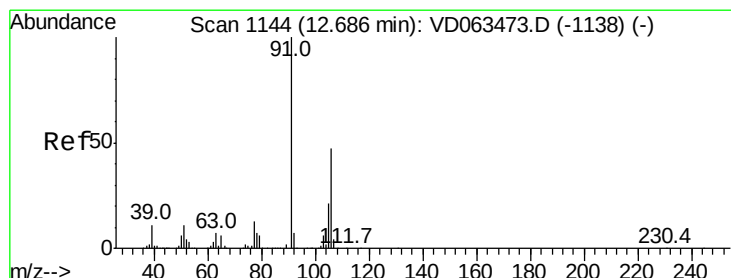
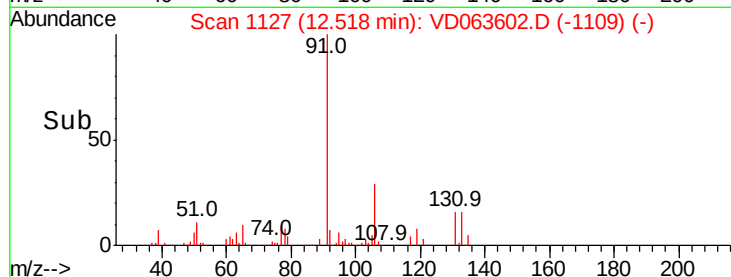
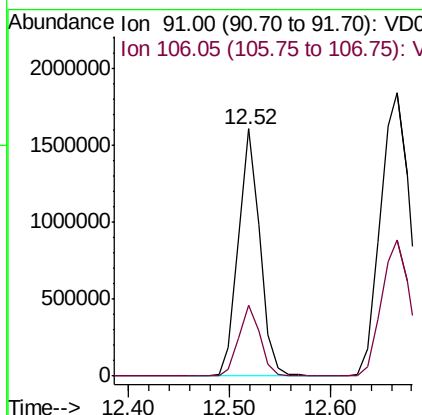
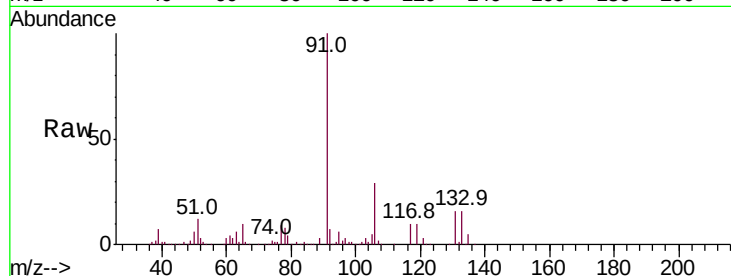




#67
Ethyl Benzene
Concen: 53.591 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

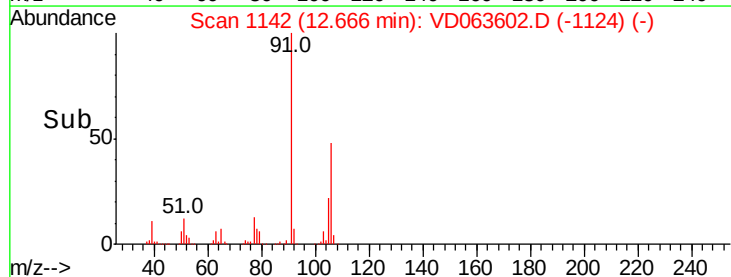
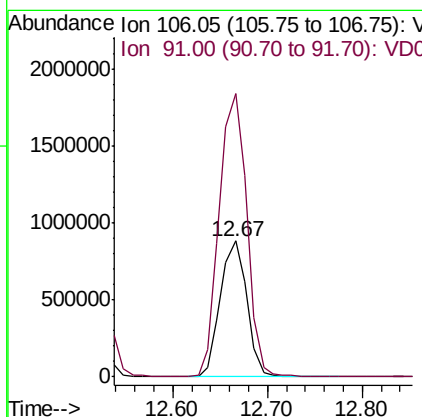
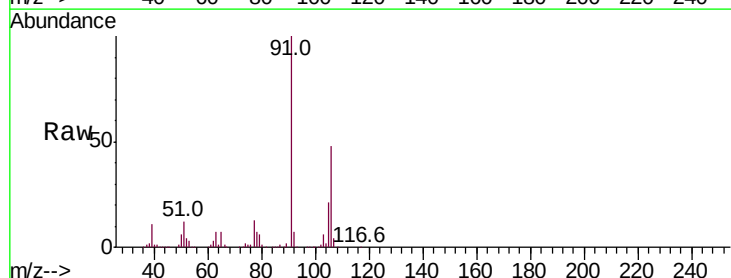
Instrument :
MSVOA_D
ClientSampled :

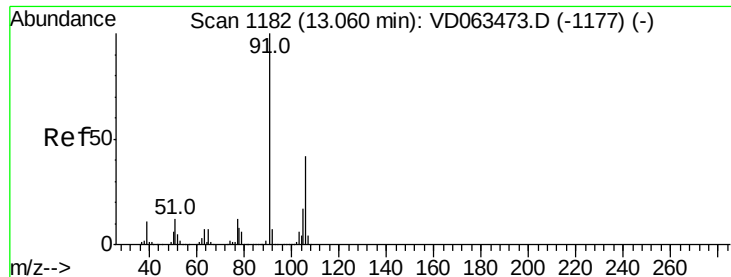
Tot Ion: 91 Resp: 2381668
Ion Ratio Lower Upper
91 100
106 28.7 23.1 34.7



#68
m/p-Xylenes
Concen: 110.467 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion: 106 Resp: 1724781
Ion Ratio Lower Upper
106 100
91 208.3 171.8 257.8

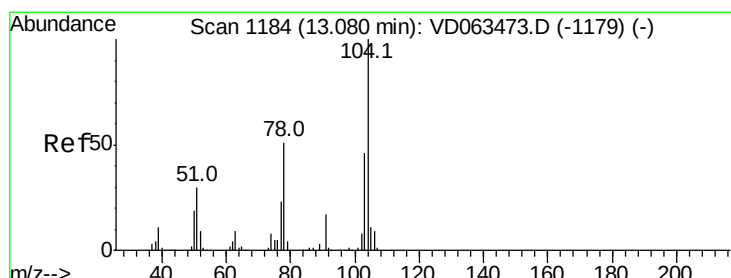
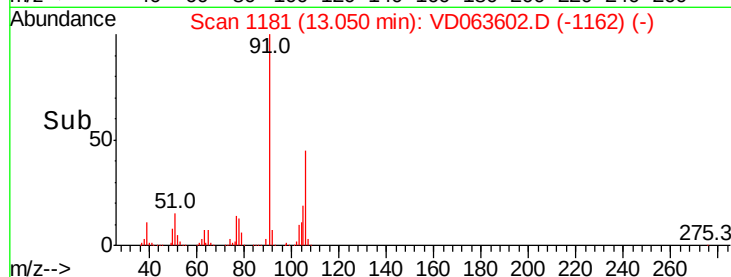
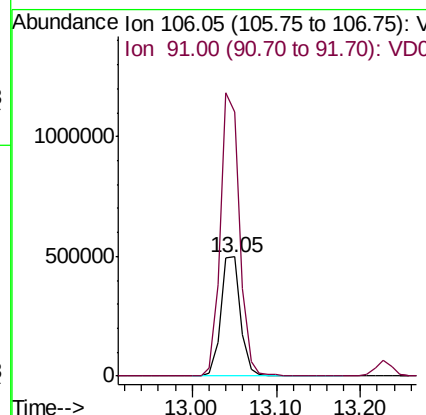
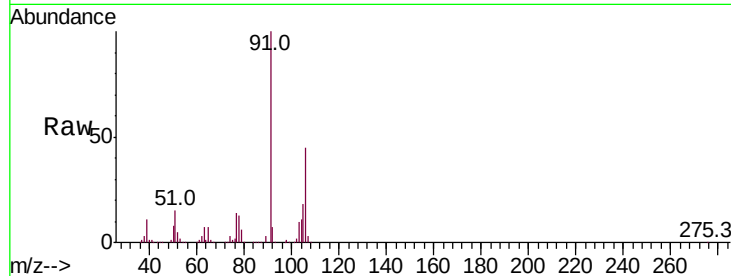




#69
o-Xylene
Concen: 53.757 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

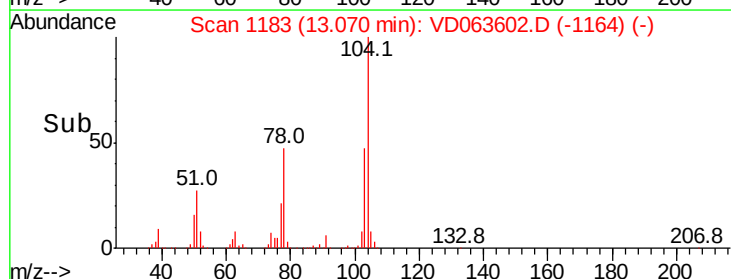
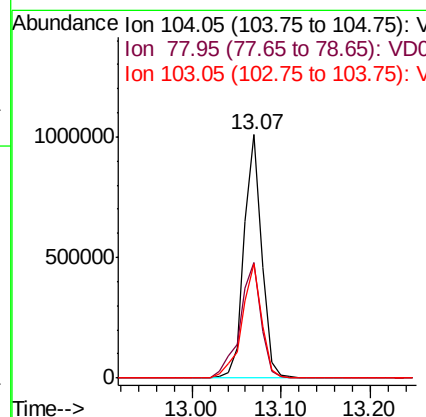
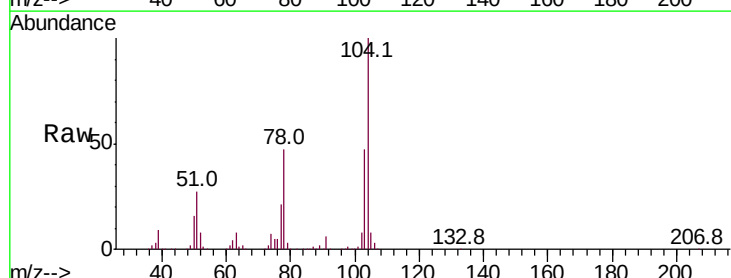
Instrument :
MSVOA_D
ClientSampled :

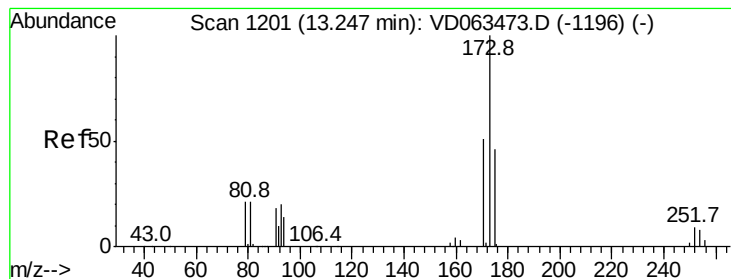
Tot Ion:106 Resp: 807829
Ion Ratio Lower Upper
106 100
91 222.0 118.1 354.2



#70
Styrene
Concen: 52.236 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion:104 Resp: 1396316
Ion Ratio Lower Upper
104 100
78 47.4 40.8 61.2
103 46.9 36.4 54.6





#71

Bromoform

Concen: 56.352 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampled :

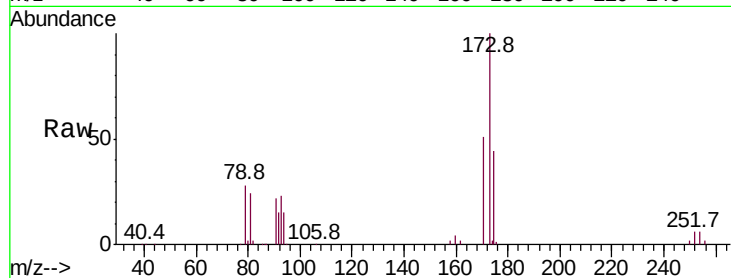
Tot Ion:173 Resp: 434644

Ion Ratio Lower Upper

173 100

175 44.5 22.8 68.3

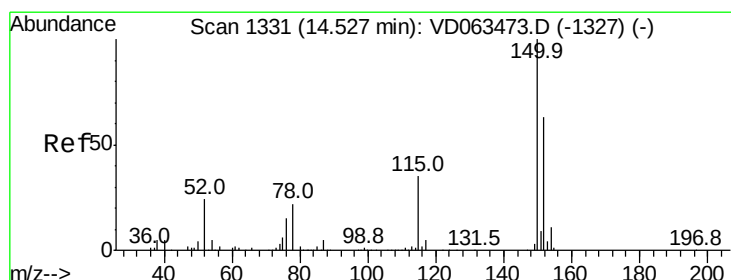
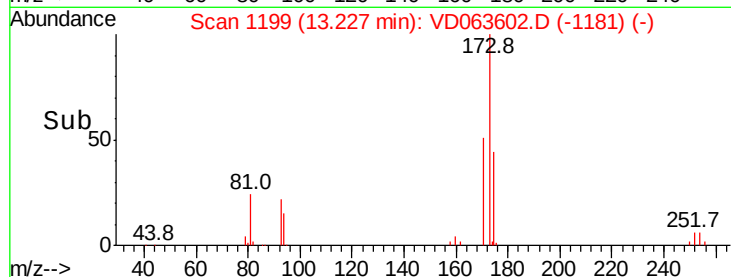
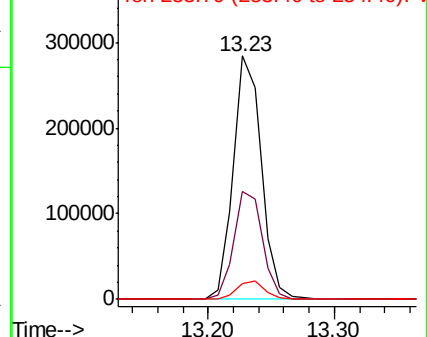
254 6.4 6.6 9.8#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

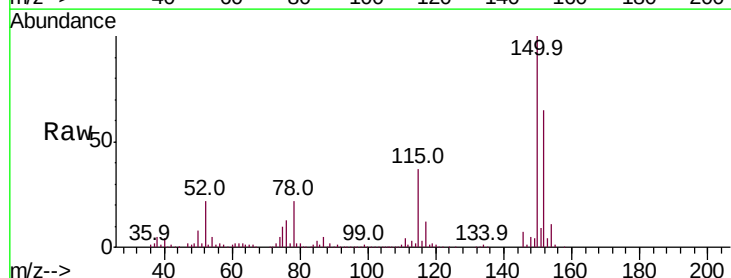
Tgt Ion:152 Resp: 672023

Ion Ratio Lower Upper

152 100

115 56.1 30.9 92.7

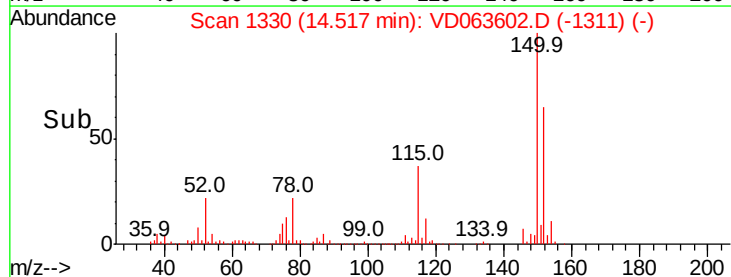
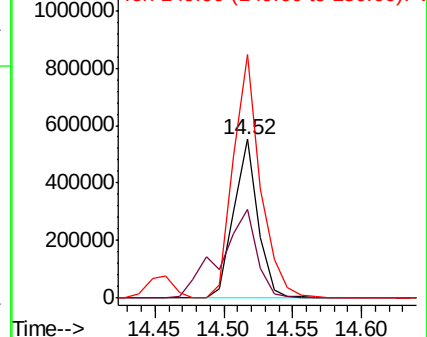
150 153.2 0.0 318.6

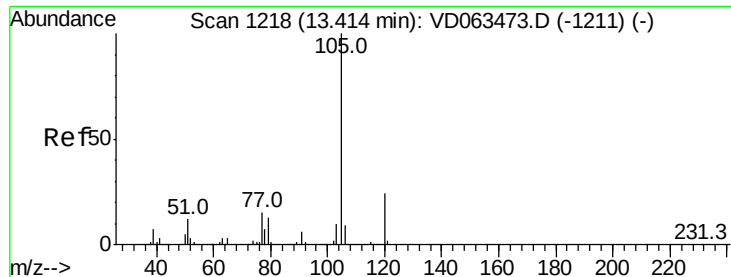


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.252 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

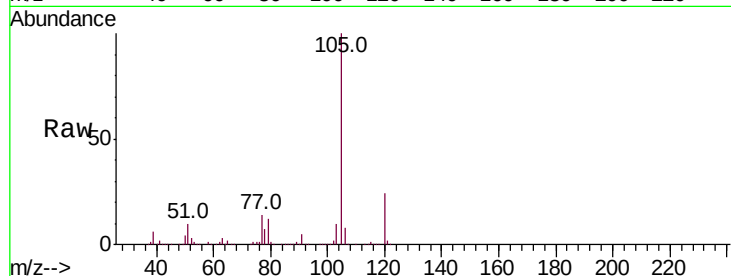
ClientSampleId :

Tot Ion:105 Resp: 2318968

Ion Ratio Lower Upper

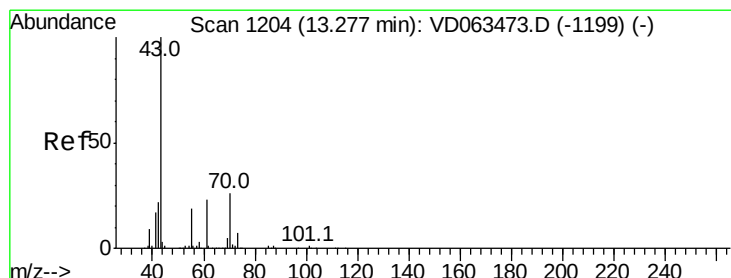
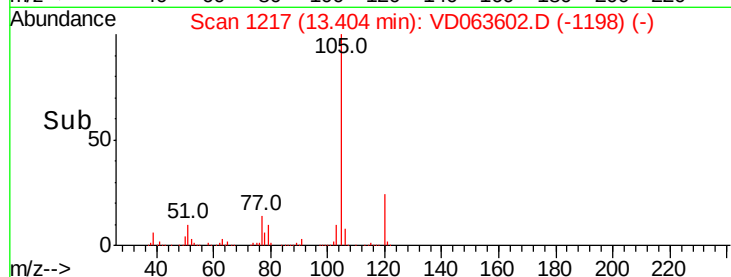
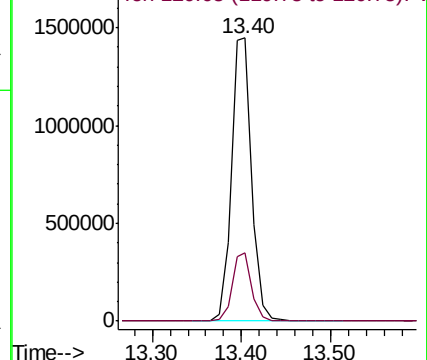
105 100

120 24.3 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 59.811 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Tgt Ion: 43 Resp: 641776

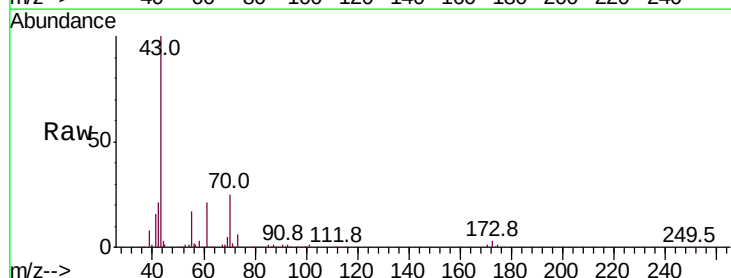
Ion Ratio Lower Upper

43 100

70 25.5 21.1 31.7

55 16.8 15.4 23.0

61 21.2 18.2 27.2

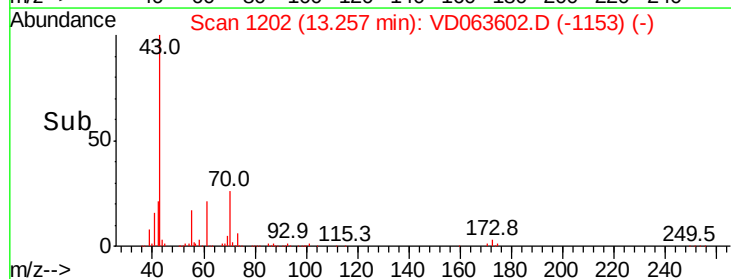
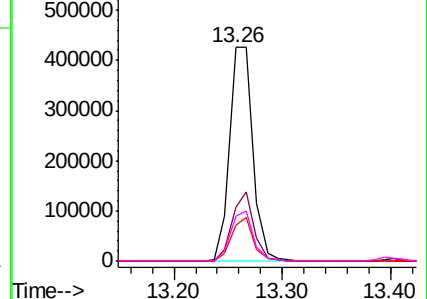


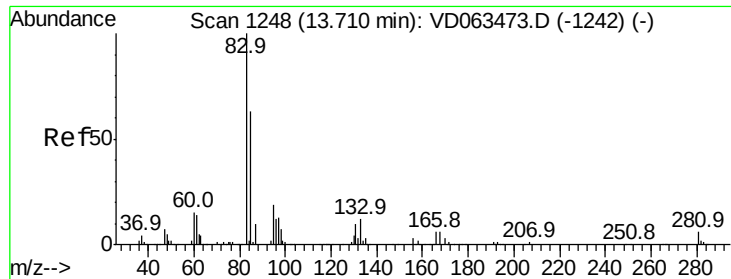
Abundance Ion 42.95 (42.65 to 43.65): V

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: 57.557 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

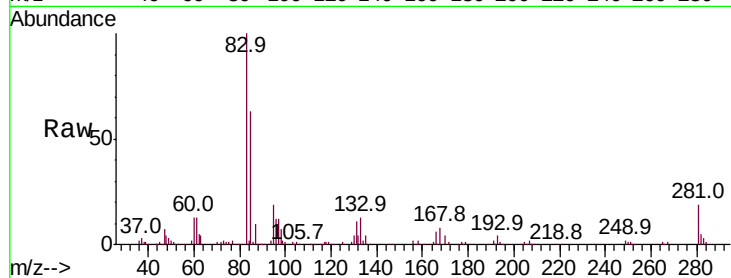
Tot Ion: 83 Resp: 408353

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

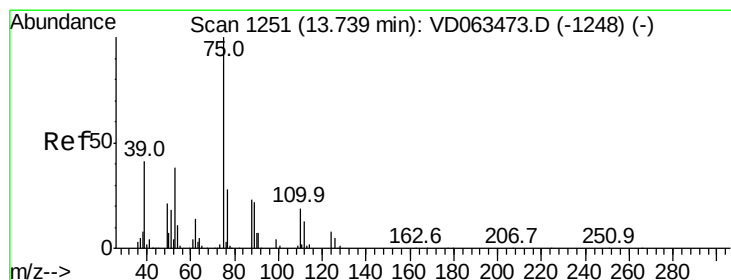
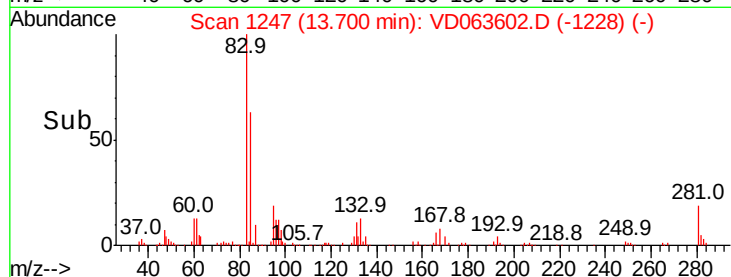
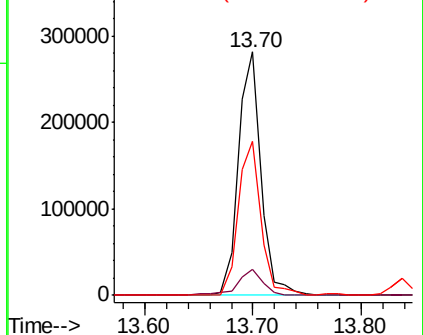
85 63.1 31.4 94.3



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: 57.616 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063602.D

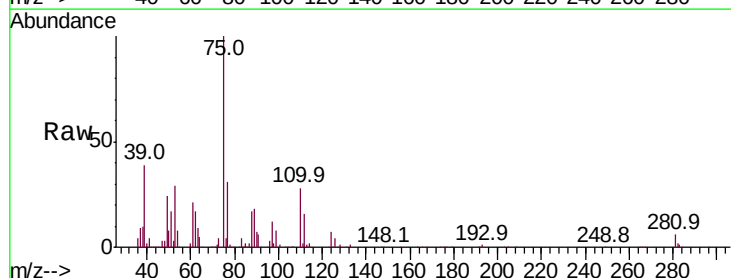
Acq: 15 Aug 2019 13:28

Tgt Ion: 75 Resp: 444367

Ion Ratio Lower Upper

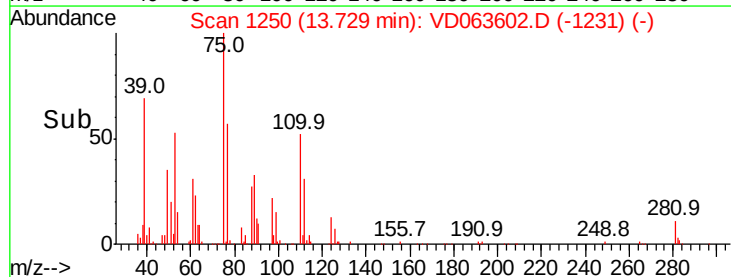
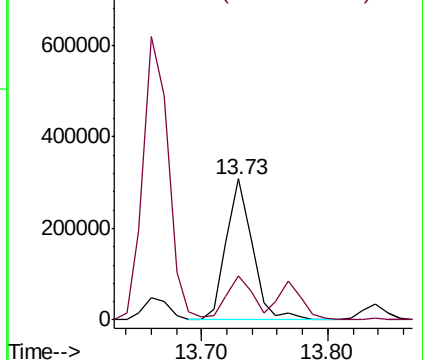
75 100

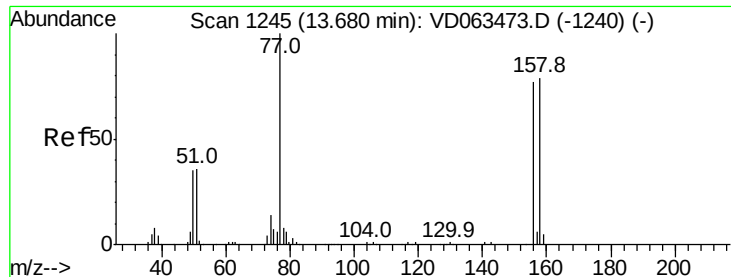
77 31.2 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 58.236 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

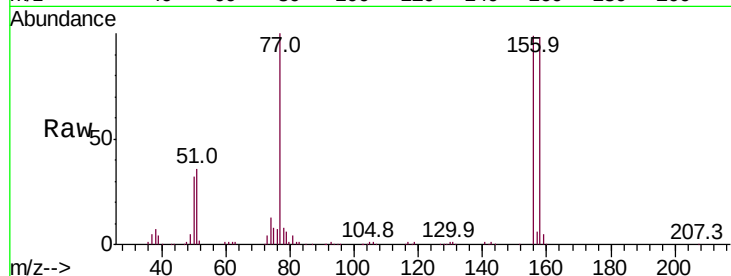
Tot Ion:156 Resp: 680317

Ion Ratio Lower Upper

156 100

77 101.0 64.6 193.8

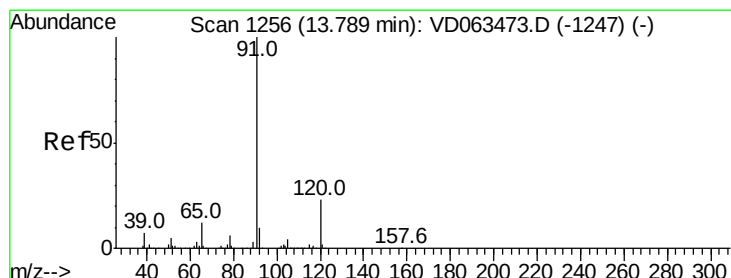
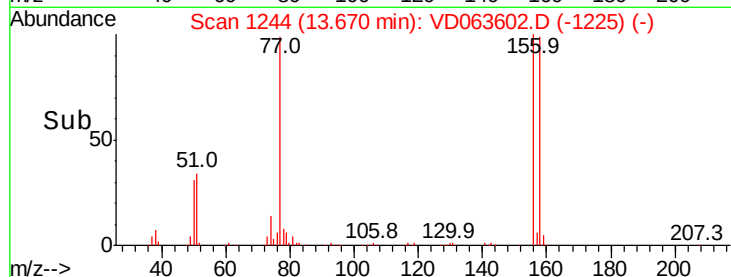
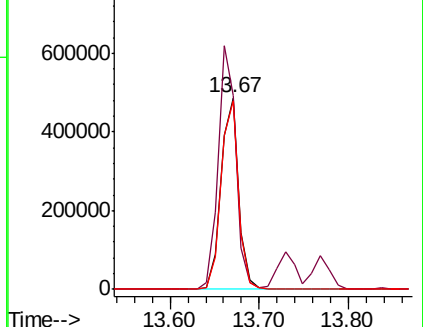
158 98.6 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 56.018 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063602.D

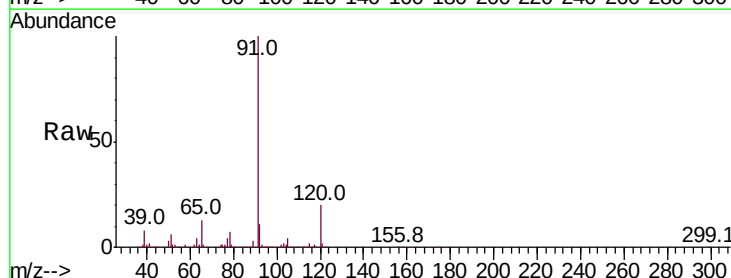
Acq: 15 Aug 2019 13:28

Tgt Ion: 91 Resp: 2801595

Ion Ratio Lower Upper

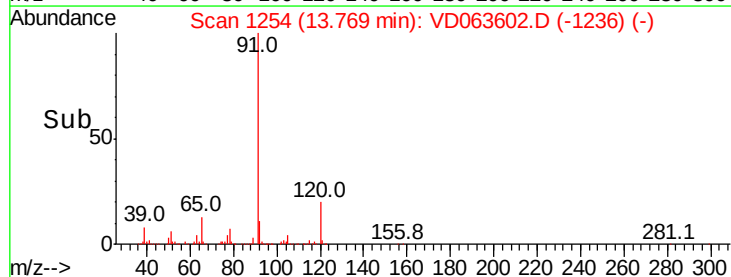
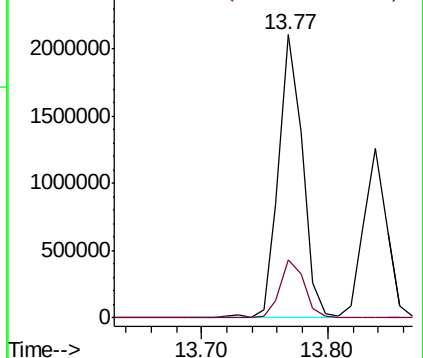
91 100

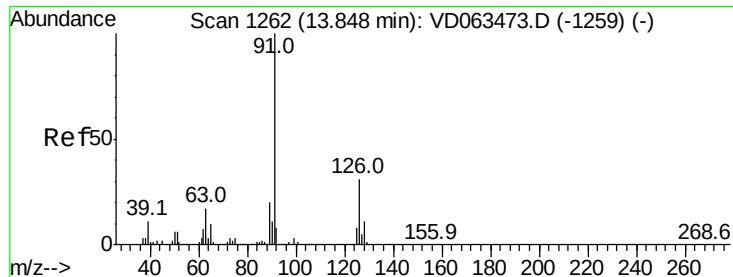
120 20.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 56.159 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

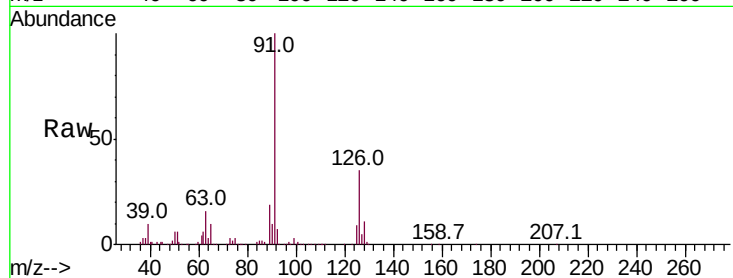
ClientSampleId :

Tot Ion: 91 Resp: 1619415

Ion Ratio Lower Upper

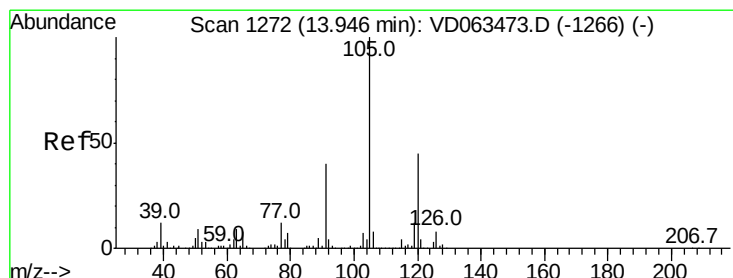
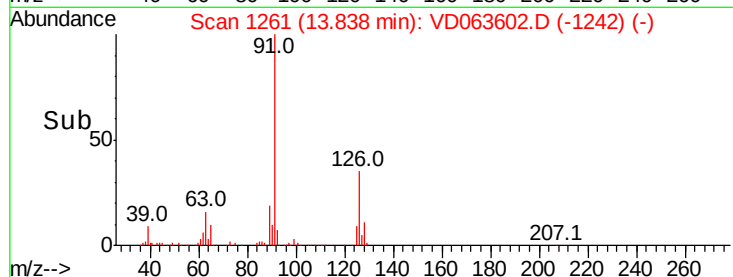
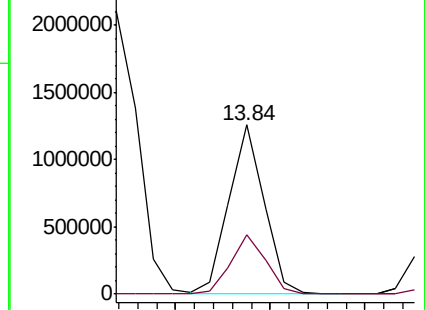
91 100

126 35.3 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1259) (-)

Ion 125.95 (125.65 to 126.65): VD063473.D (-1259) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.803 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD063602.D

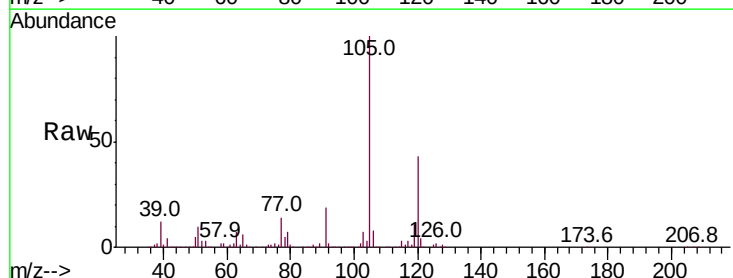
Acq: 15 Aug 2019 13:28

Tgt Ion:105 Resp: 1972063

Ion Ratio Lower Upper

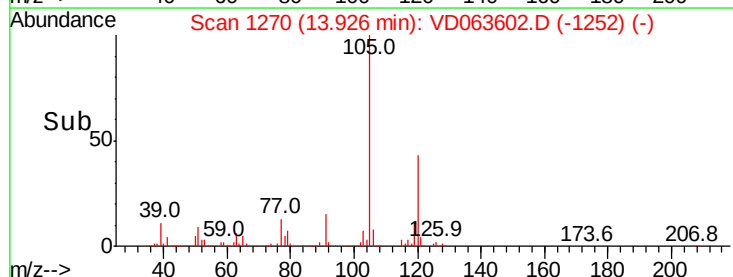
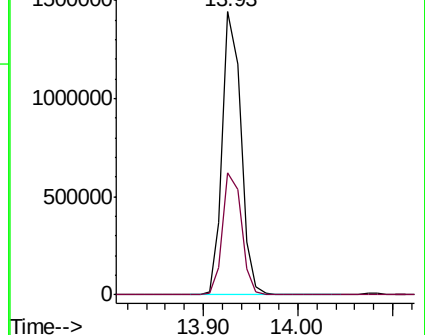
105 100

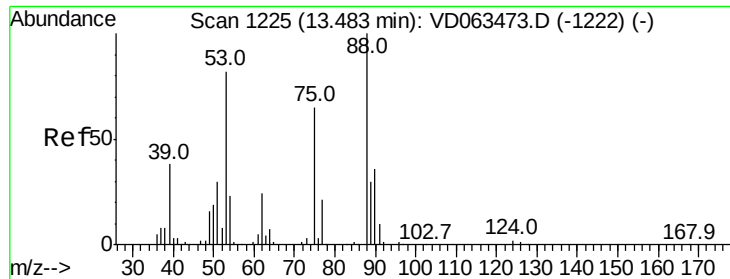
120 43.4 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): VD063473.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD063473.D (-1266) (-)

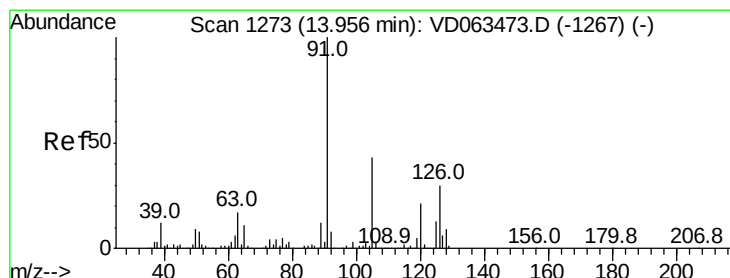
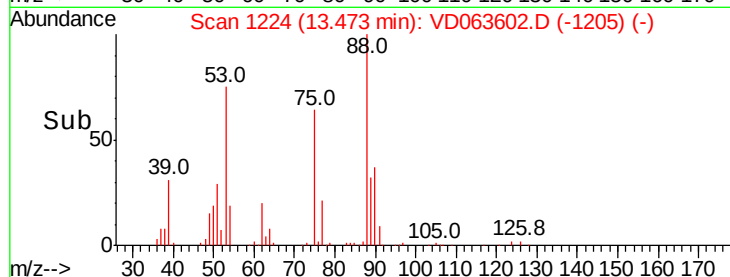
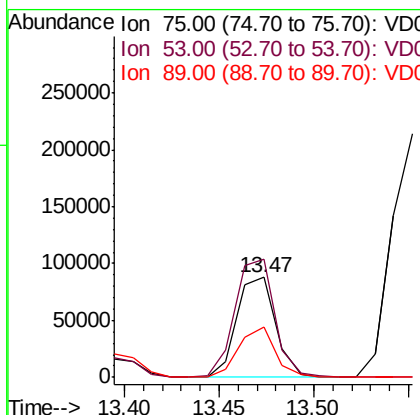
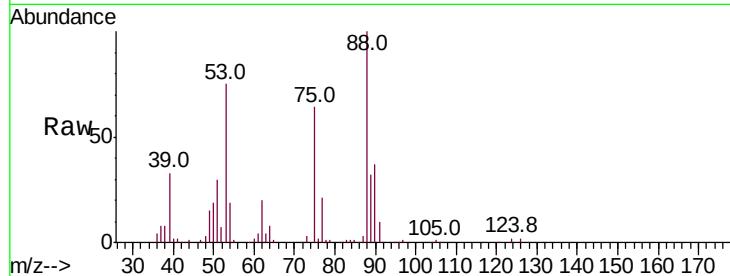




#81
trans-1,4-Dichloro-2-butene
Concen: 60.396 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

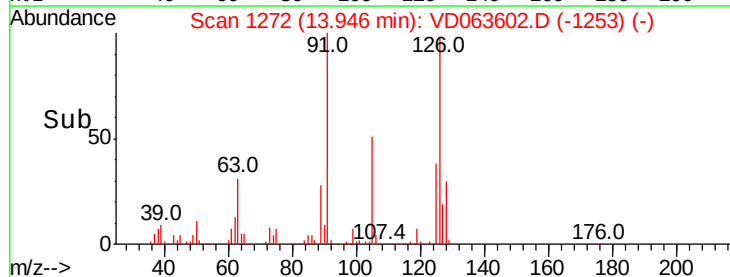
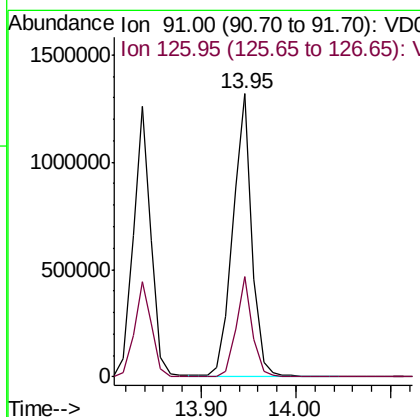
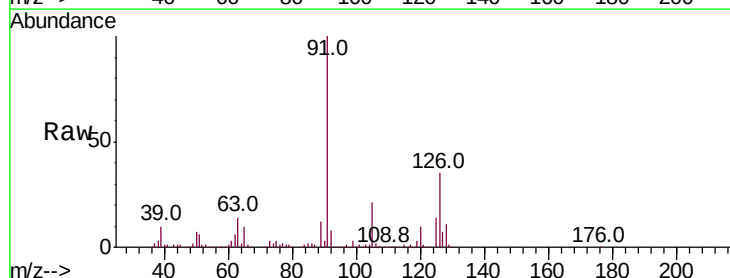
Instrument :
MSVOA_D
ClientSampled :

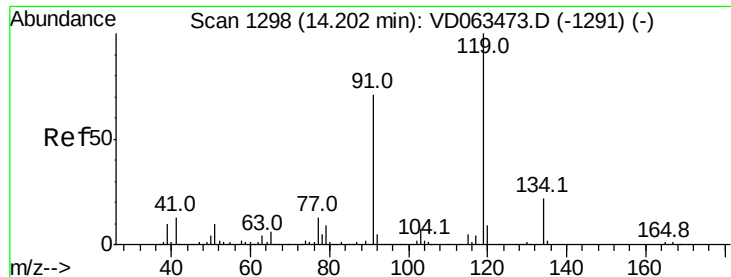
Tot Ion: 75 Resp: 125198
Ion Ratio Lower Upper
75 100
53 118.7 101.0 151.4
89 50.6 37.0 55.6



#82
4-Chlorotoluene
Concen: 52.370 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion: 91 Resp: 1815958
Ion Ratio Lower Upper
91 100
126 35.4 15.2 45.6

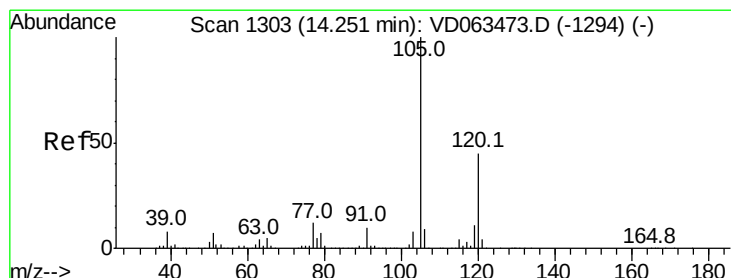
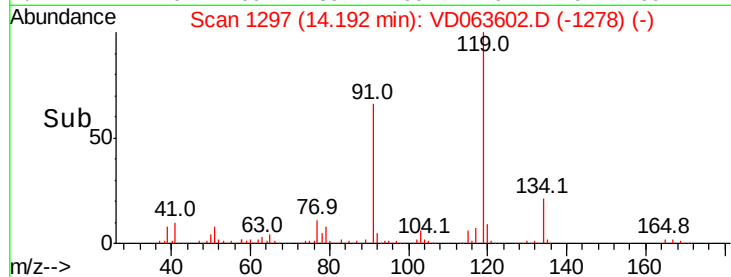
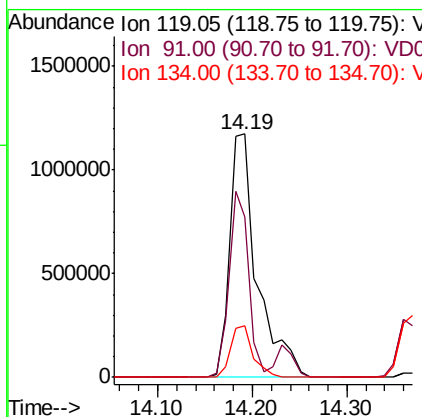
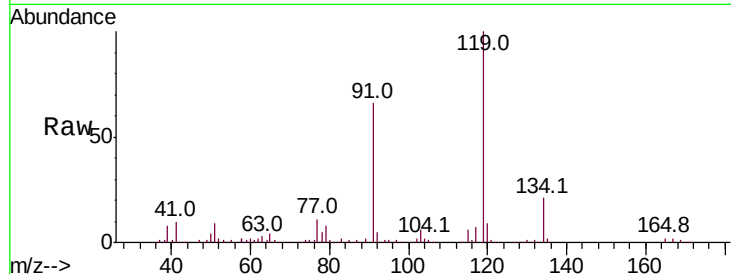




#83
 tert-Butylbenzene
 Concen: 60.122 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

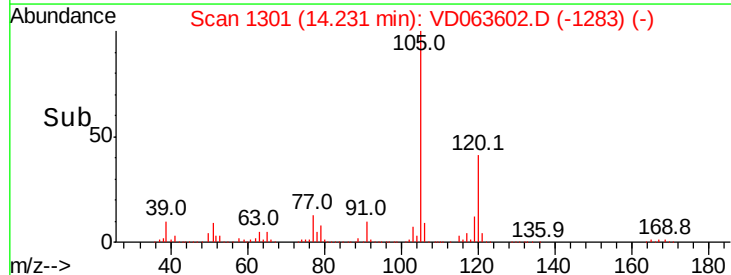
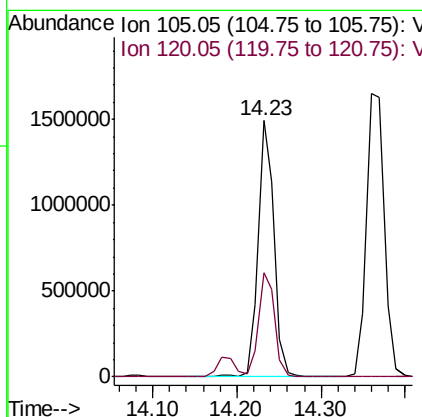
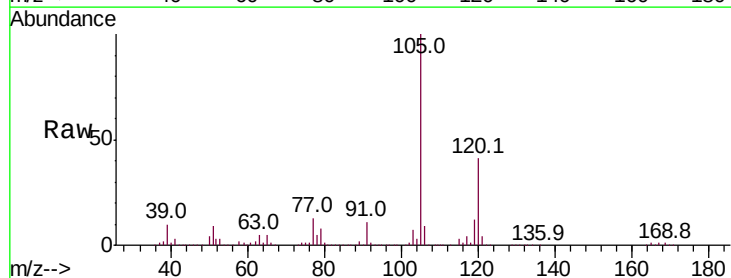
Instrument :
 MSVOA_D
 ClientSampled :

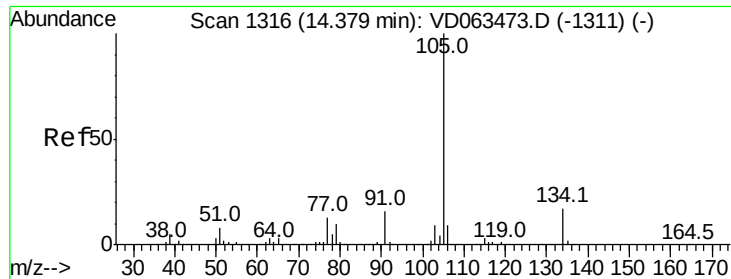
Tot Ion:119 Resp: 2364492
 Ion Ratio Lower Upper
 119 100
 91 66.1 35.5 106.7
 134 21.1 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 57.260 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Tgt Ion:105 Resp: 1978674
 Ion Ratio Lower Upper
 105 100
 120 40.7 22.7 68.1

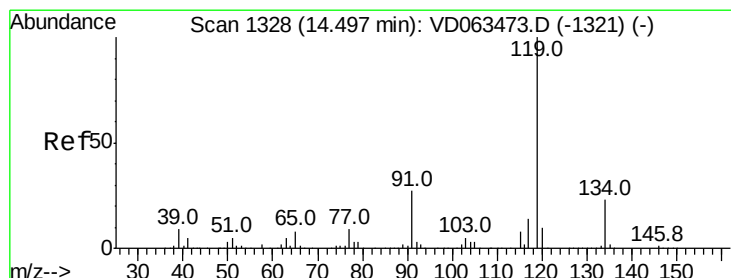
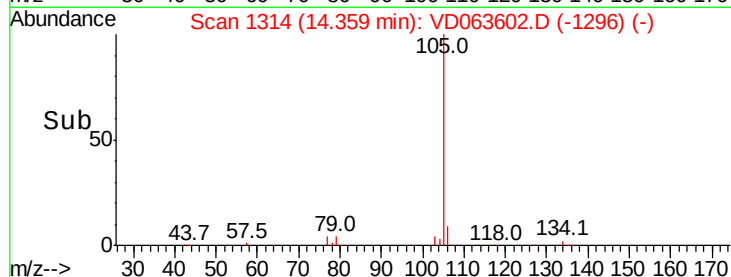
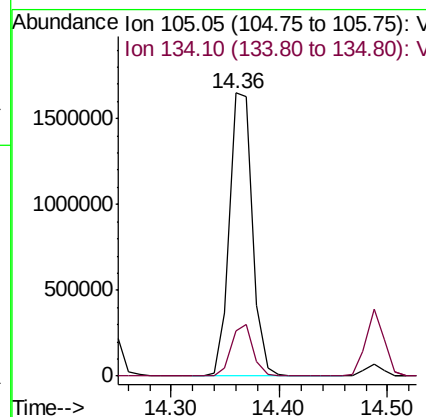
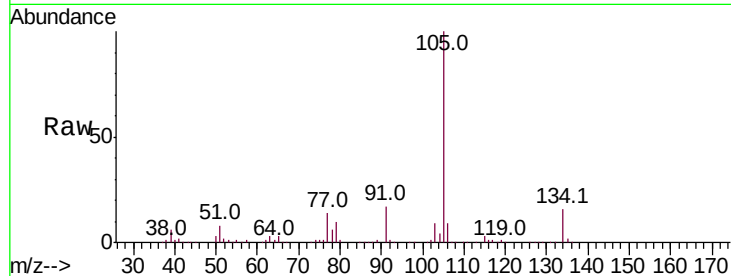




#85
 sec-Butylbenzene
 Concen: 58.734 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

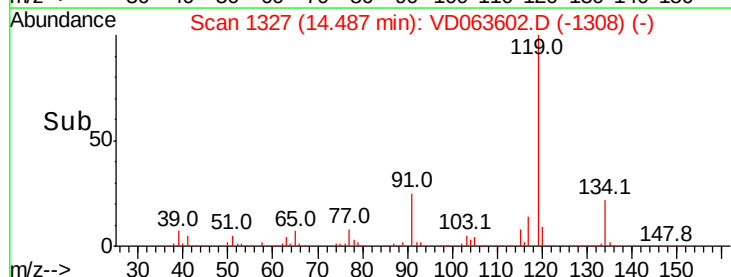
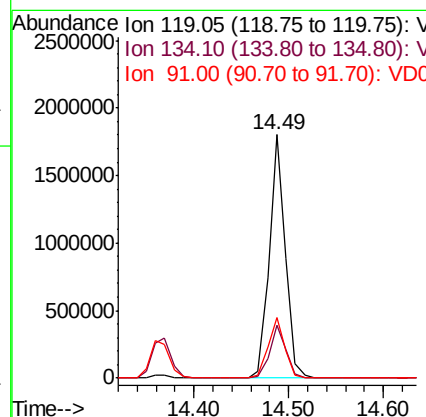
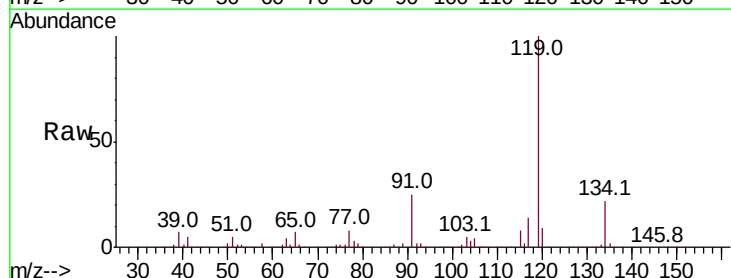
Instrument :
 MSVOA_D
 ClientSampleID :

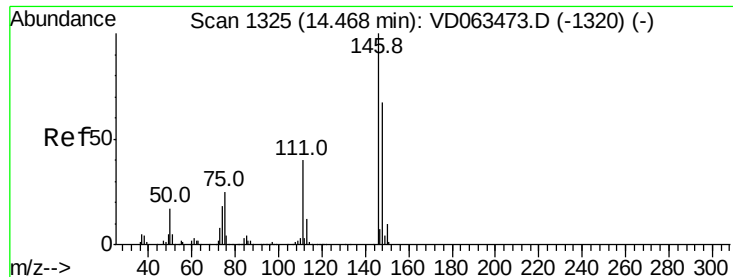
Tot Ion:105 Resp: 2453061
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 53.668 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Tgt Ion:119 Resp: 2143203
 Ion Ratio Lower Upper
 119 100
 134 21.8 11.3 33.8
 91 25.0 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 52.939 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampled :

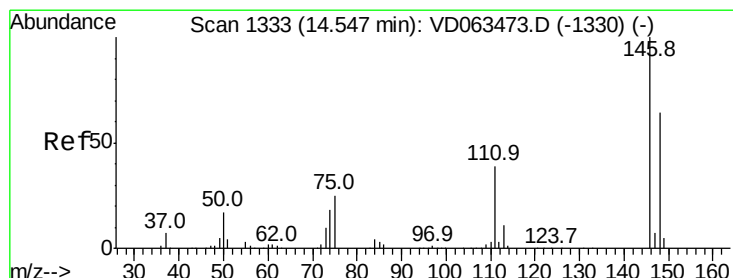
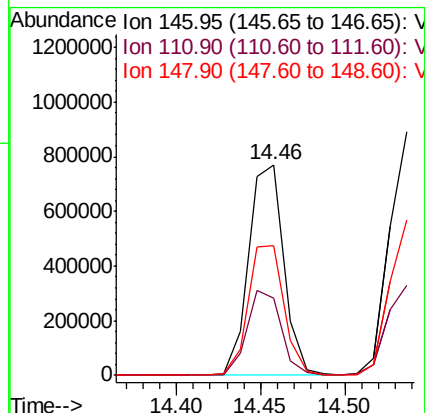
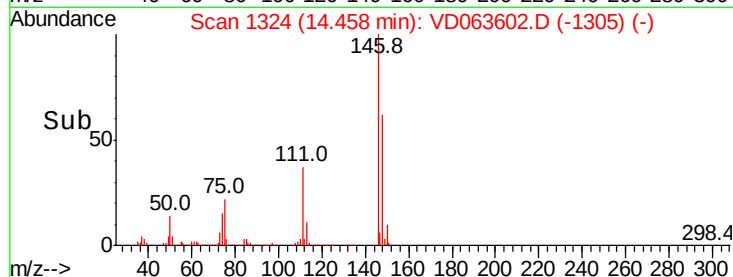
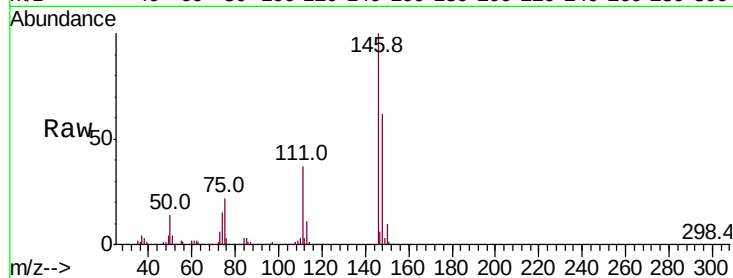
Tot Ion:146 Resp: 1118646

Ion Ratio Lower Upper

146 100

111 36.7 20.0 60.0

148 61.6 33.6 100.6



#88

1,4-Dichlorobenzene

Concen: 53.710 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

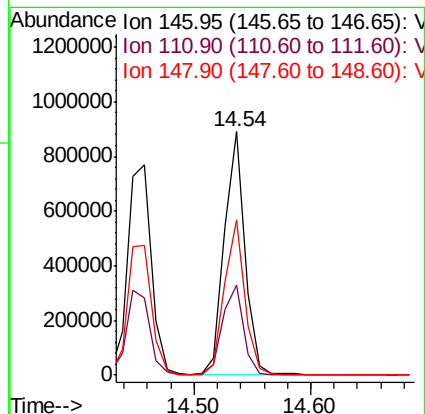
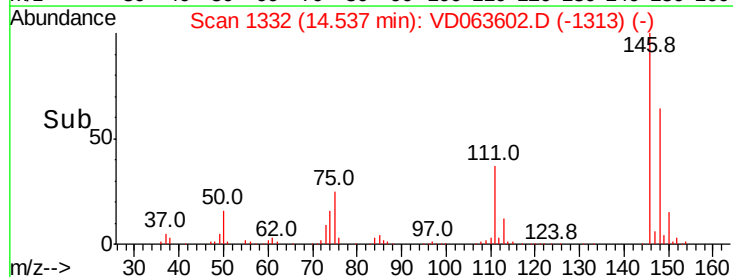
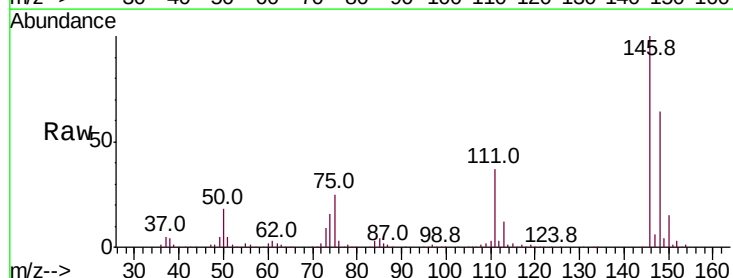
Tgt Ion:146 Resp: 1088875

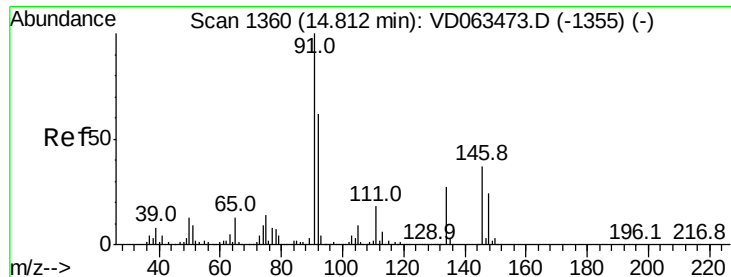
Ion Ratio Lower Upper

146 100

111 36.9 19.7 59.0

148 63.6 32.1 96.3





#89

n-Butylbenzene

Concen: 56.127 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

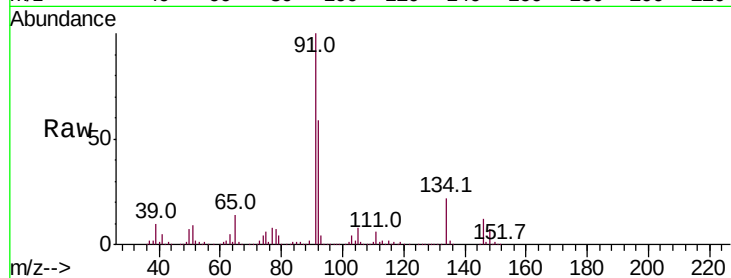
Tot Ion: 91 Resp: 2045676

Ion	Ratio	Lower	Upper
91	100		
92	58.6	30.8	92.3
134	21.5	13.4	40.2

91 100

92 58.6 30.8 92.3

134 21.5 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

14.79

2000000

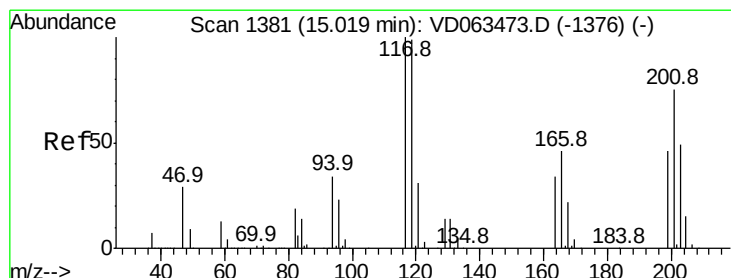
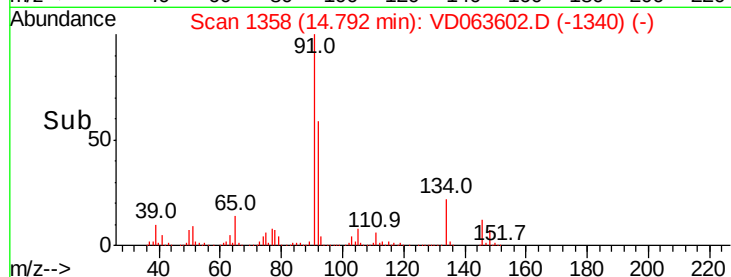
1500000

1000000

500000

0

Time--> 14.70 14.80 14.90



#90

Hexachloroethane

Concen: 56.682 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063602.D

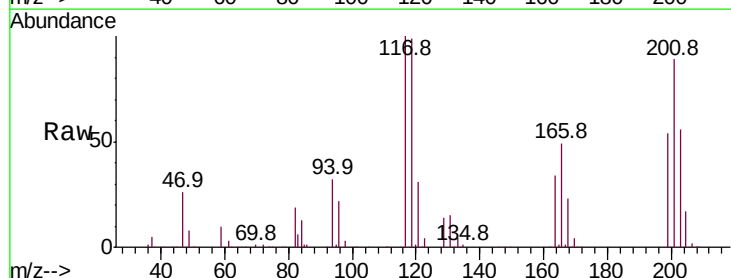
Acq: 15 Aug 2019 13:28

Tgt Ion: 117 Resp: 568937

Ion	Ratio	Lower	Upper
117	100		
201	88.7	37.5	112.5

117 100

201 88.7 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

15.01

400000

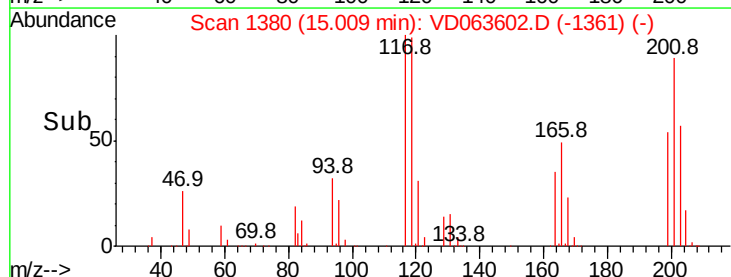
300000

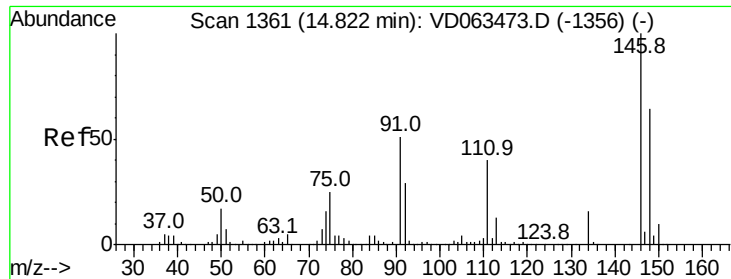
200000

100000

0

Time--> 14.90 15.00 15.10

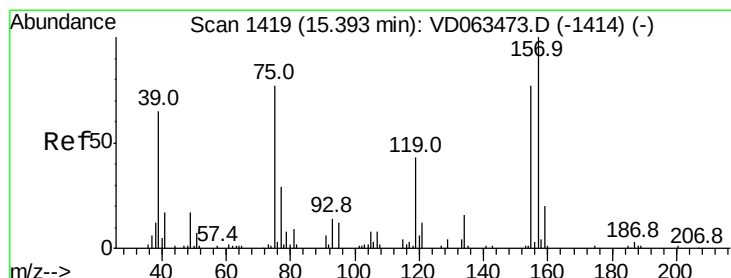
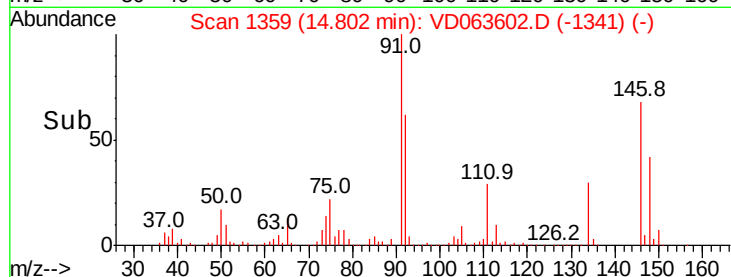
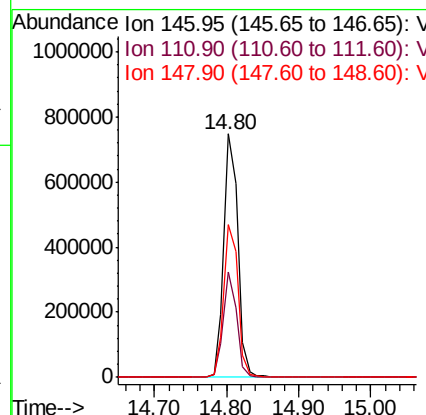
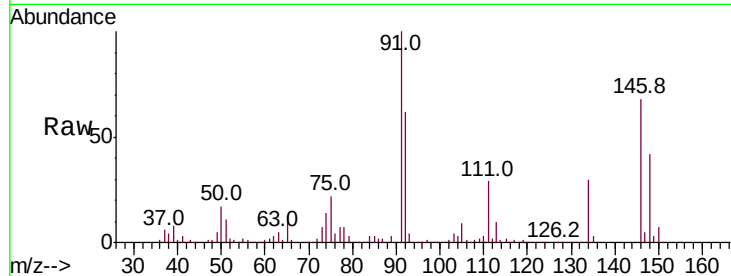




#91
 1,2-Dichlorobenzene
 Concen: 55.891 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

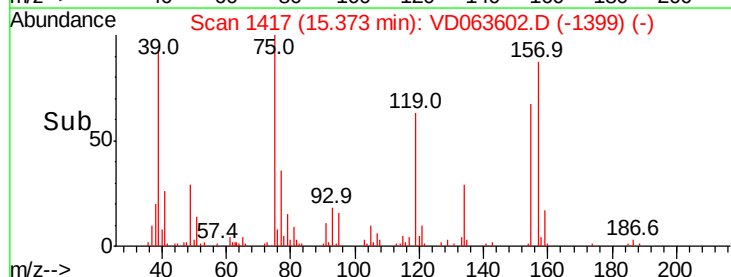
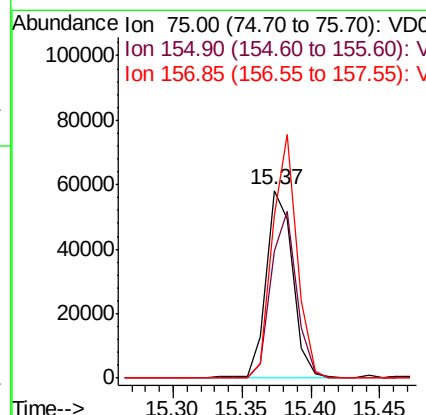
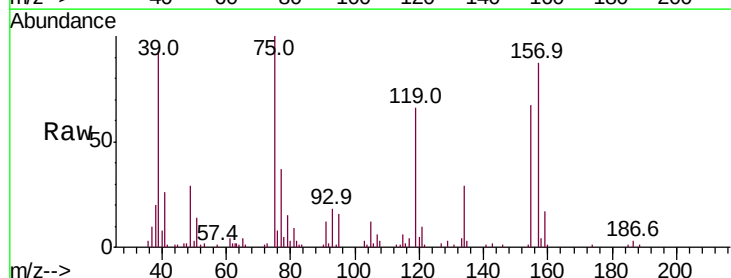
Instrument :
 MSVOA_D
 ClientSampleID :

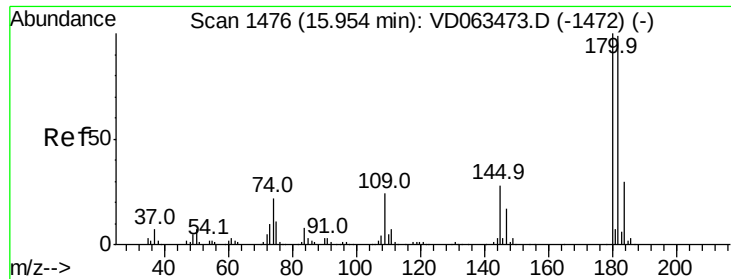
Tot Ion:146 Resp: 1002021
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.2 60.6
 148 62.5 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.551 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Tgt Ion: 75 Resp: 78218
 Ion Ratio Lower Upper
 75 100
 155 67.5 50.1 150.3
 157 87.1 65.0 195.1

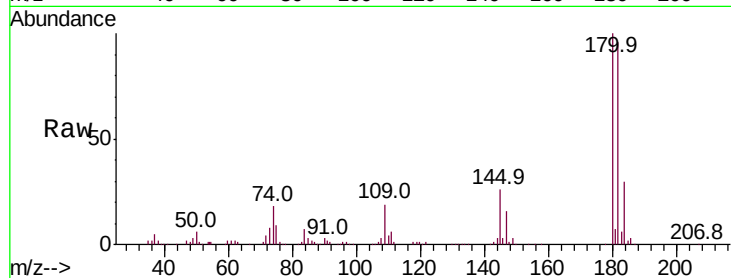




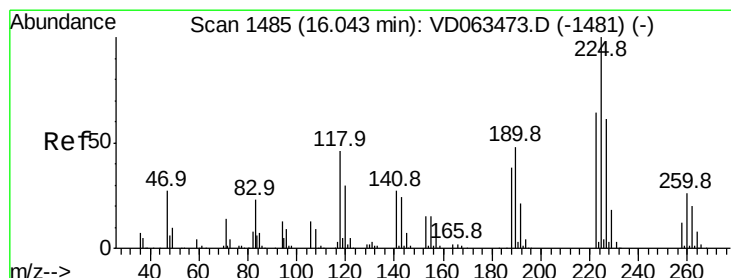
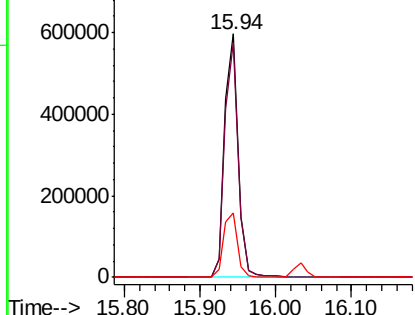
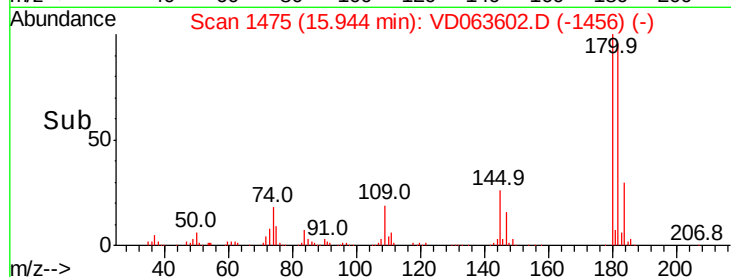
#93
 1,2,4-Trichlorobenzene
 Concen: 57.136 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	49.7	149.1
145	26.5	14.1	42.2

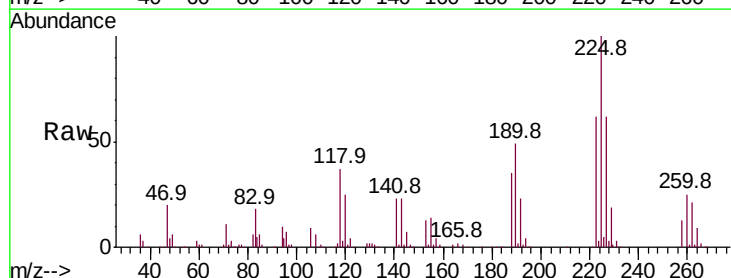


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

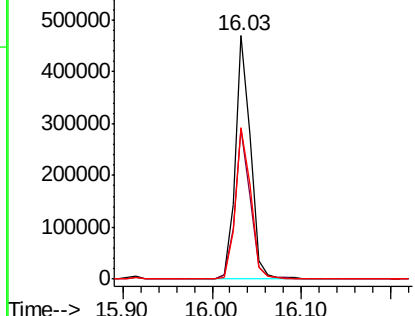
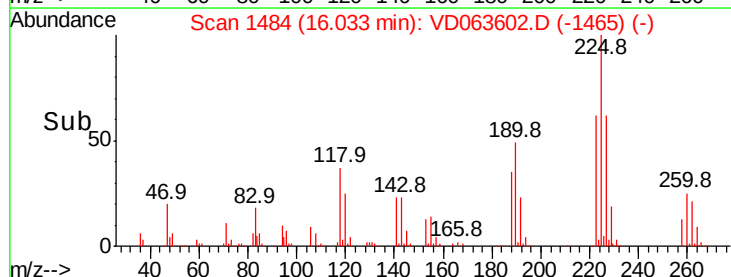


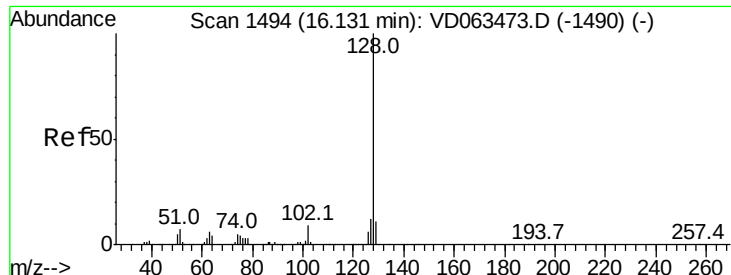
#94
 Hexachlorobutadiene
 Concen: 56.363 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.9	95.5
227	62.0	30.7	92.1



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

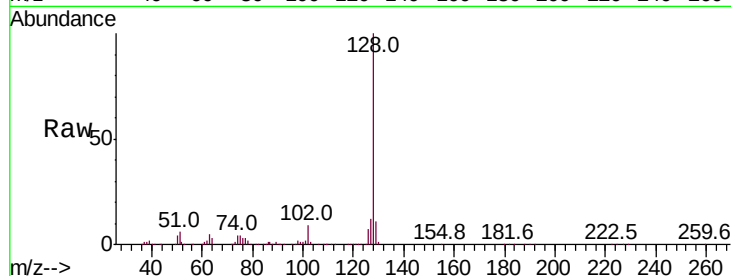




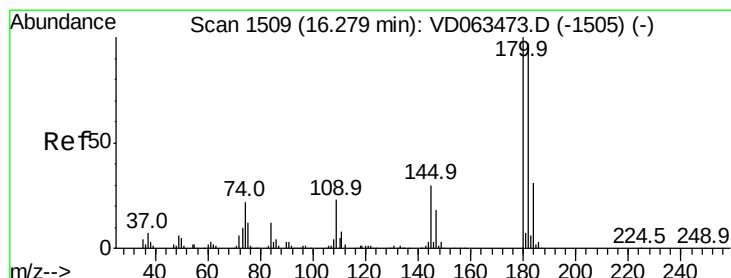
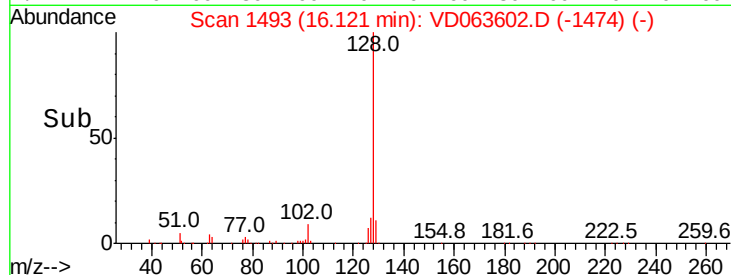
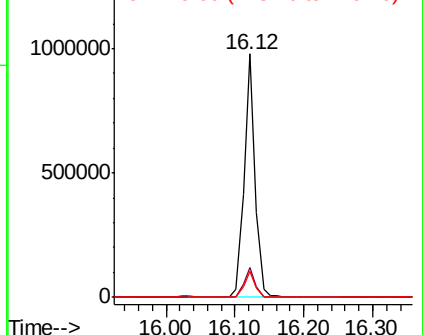
#95
Naphthalene
Concen: 54.355 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 1086687
Ion Ratio Lower Upper
128 100
127 12.2 9.4 14.0
129 10.8 8.5 12.7

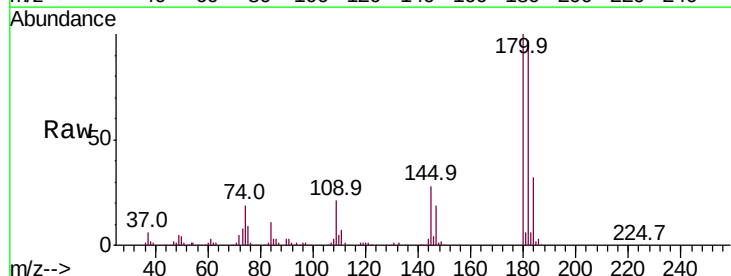


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 57.635 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion:180 Resp: 614091
Ion Ratio Lower Upper
180 100
182 97.2 48.4 145.2
145 28.5 14.9 44.9



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

