

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063521.D
 Acq On : 13 Aug 2019 8:17
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 13 09:15:26 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	7.05	168	921521	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1418575	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1241051	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	658015	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	636255	64.59	ug/l	0.00
Spiked Amount			Recovery	=	129.18%	
35) Dibromofluoromethane	6.93	113	660817	55.31	ug/l	0.00
Spiked Amount			Recovery	=	110.62%	
50) Toluene-d8	10.42	98	1495126	56.92	ug/l	0.00
Spiked Amount			Recovery	=	113.84%	
62) 4-Bromofluorobenzene	13.56	95	662426	55.64	ug/l	0.00
Spiked Amount			Recovery	=	111.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	468040	41.981	ug/l	89
3) Chloromethane	1.75	50	419104	48.114	ug/l	89
4) Vinyl Chloride	1.85	62	413760	47.849	ug/l	93
5) Bromomethane	2.16	94	239350	58.661	ug/l	98
6) Chloroethane	2.27	64	228871	57.879	ug/l	95
7) Trichlorofluoromethane	2.53	101	783609	46.199	ug/l	98
8) Diethyl Ether	2.88	74	150382	62.796	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.15	101	498335	49.757	ug/l	99
10) Methyl Iodide	3.31	142	806269	56.896	ug/l	97
11) Tert butyl alcohol	4.09	59	154235	359.685	ug/l	100
12) 1,1-Dichloroethene	3.13	96	396728	53.279	ug/l	96
13) Acrolein	3.04	56	120709	285.986	ug/l #	82
14) Allyl chloride	3.63	41	622996	55.655	ug/l	100
15) Acrylonitrile	4.21	53	407010	358.345	ug/l	97
16) Acetone	3.23	43	547142	273.246	ug/l #	92
17) Carbon Disulfide	3.38	76	1180879	50.249	ug/l	98
18) Methyl Acetate	3.64	43	315758	83.252	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	1088814	73.115	ug/l	99
20) Methylene Chloride	3.82	84	519031	59.944	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	465125	59.359	ug/l	97
22) Diisopropyl ether	5.13	45	1488114	64.424	ug/l	97
23) Vinyl Acetate	5.06	43	4206439	313.243	ug/l	100
24) 1,1-Dichloroethane	4.99	63	849237	59.277	ug/l	100
25) 2-Butanone	6.08	43	653196	330.294	ug/l	96
26) 2,2-Dichloropropane	6.03	77	682342	47.817	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	536719	62.605	ug/l	99
28) Bromochloromethane	6.44	49	355249	61.182	ug/l	96
29) Tetrahydrofuran	6.46	42	327043	354.894	ug/l	98
30) Chloroform	6.68	83	1068443	59.999	ug/l	98
31) Cyclohexane	6.96	56	436933	49.126	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	910177	53.431	ug/l	96
36) 1,1-Dichloropropene	7.15	75	595166	47.459	ug/l	97
37) Ethyl Acetate	6.19	43	316574	60.244	ug/l #	95
38) Carbon Tetrachloride	7.12	117	967558	51.193	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	466479	43.745	ug/l	97
40) Benzene	7.46	78	1540226	55.811	ug/l	96
41) Methacrylonitrile	6.46	41	419041	63.333	ug/l #	97
42) 1,2-Dichloroethane	7.58	62	827236	59.614	ug/l	100
43) Isopropyl Acetate	9.25	43	439103	62.391	ug/l	95
44) Trichloroethene	8.55	130	535161	50.734	ug/l	97
45) 1,2-Dichloropropane	8.94	63	392735	61.110	ug/l	94
46) Dibromomethane	9.07	93	326034	59.405	ug/l	94
47) Bromodichloromethane	9.38	83	842084	59.815	ug/l	95
48) Methyl methacrylate	9.13	41	283995	59.501	ug/l	99
49) 1,4-Dioxane	9.09	88	53156	1241.035	ug/l #	74
51) 4-Methyl-2-Pentanone	10.31	43	1516168	314.827	ug/l	100
52) Toluene	10.52	92	985250	55.428	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	694149	60.418	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	783596	60.487	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	372935	62.110	ug/l	97
56) Ethyl methacrylate	11.05	69	430173	66.006	ug/l	97
57) 1,3-Dichloropropane	11.41	76	561892	61.909	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	1075614	312.622	ug/l	98
59) 2-Hexanone	11.54	43	1121514	320.052	ug/l	97
60) Dibromochloromethane	11.69	129	685221	62.715	ug/l	98
61) 1,2-Dibromoethane	11.81	107	464315	63.878	ug/l	96
64) Tetrachloroethene	11.26	164	494270	51.591	ug/l	97
65) Chlorobenzene	12.41	112	1277913	54.940	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	592241	57.854	ug/l	93
67) Ethyl Benzene	12.52	91	2063379	51.018	ug/l	100
68) m/p-Xylenes	12.67	106	1343605	94.559	ug/l	96
69) o-Xylene	13.06	106	767565	56.126	ug/l	93
70) Styrene	13.08	104	1333346	54.811	ug/l	97
71) Bromoform	13.23	173	427356	60.883	ug/l #	92
73) Isopropylbenzene	13.41	105	1908306	45.595	ug/l	100
74) N-amyl acetate	13.27	43	618640	58.882	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	396495	57.075	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	413423	54.745	ug/l	93
77) Bromobenzene	13.68	156	581193	50.810	ug/l	91
78) n-propylbenzene	13.77	91	2380363	48.609	ug/l	96
79) 2-Chlorotoluene	13.84	91	1520615	53.856	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1928782	52.744	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	103430	50.957	ug/l	89
82) 4-Chlorotoluene	13.95	91	1816516	53.502	ug/l	94
83) tert-Butylbenzene	14.19	119	1938448	50.338	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	1853961	54.793	ug/l	94
85) sec-Butylbenzene	14.37	105	2038883	49.856	ug/l	98
86) p-Isopropyltoluene	14.49	119	1759243	44.991	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	989106	47.805	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	1070815	53.943	ug/l	98
89) n-Butylbenzene	14.80	91	1629175	45.651	ug/l	96
90) Hexachloroethane	15.02	117	508889	51.779	ug/l	79
91) 1,2-Dichlorobenzene	14.81	146	962239	54.815	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	78413	59.946	ug/l	75

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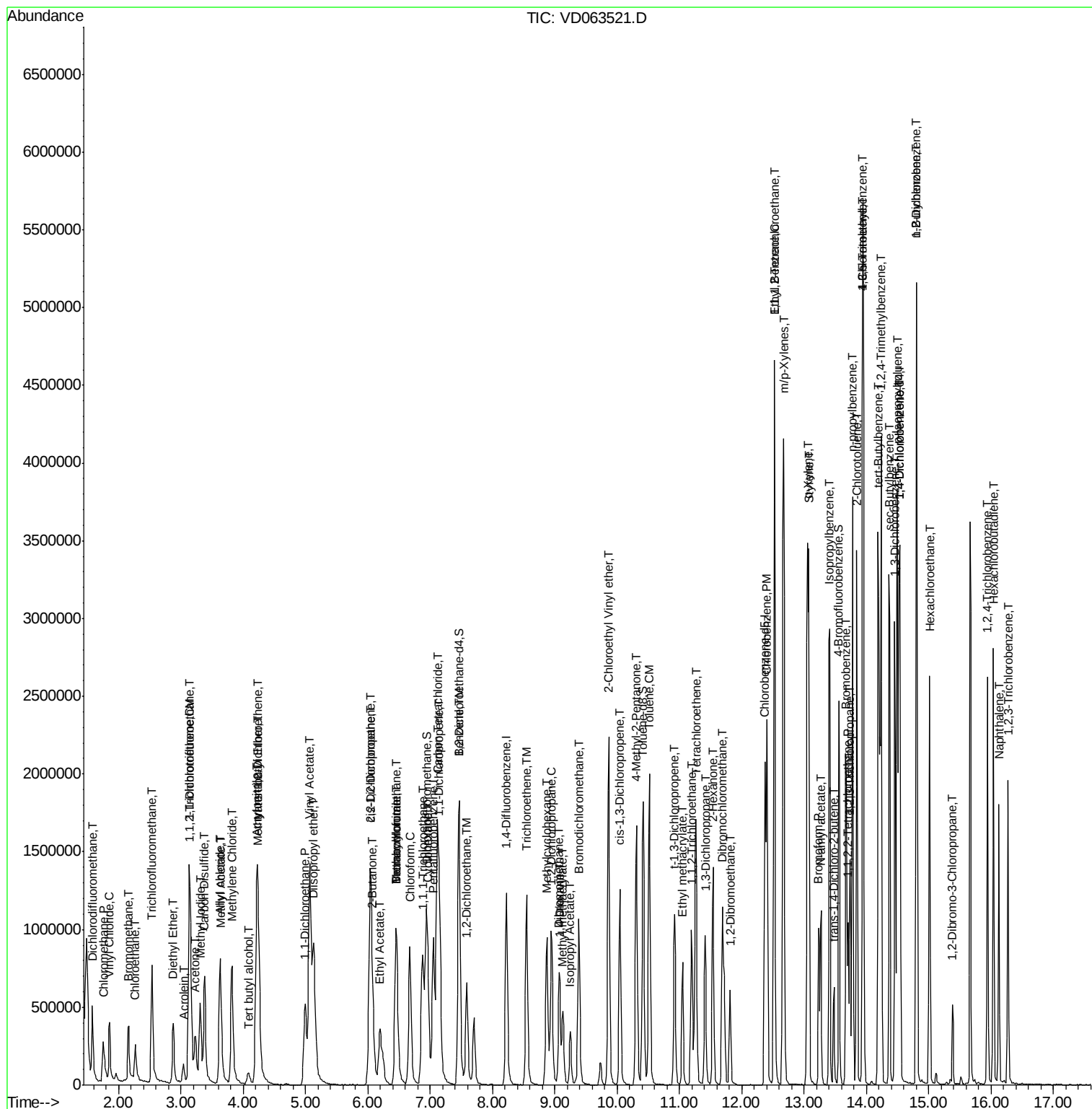
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	705138	54.590	ug/l	95
94) Hexachlorobutadiene	16.04	225	432734	43.957	ug/l	98
95) Naphthalene	16.13	128	1106064	56.502	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	539844	51.745	ug/l	96

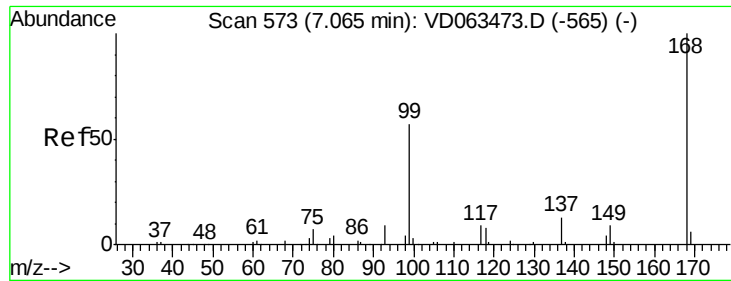
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

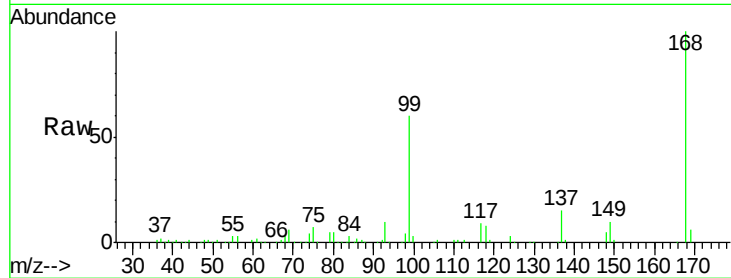
VSTDCCC050EC

Tot Ion:168 Resp: 921521

Ion Ratio Lower Upper

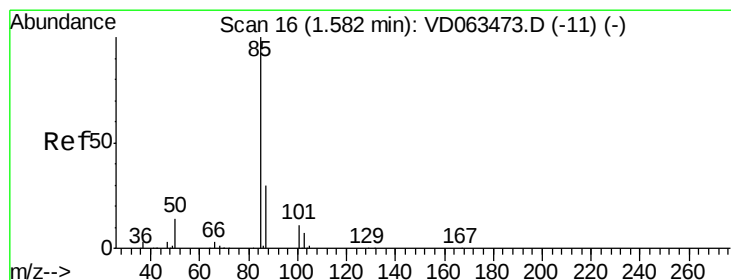
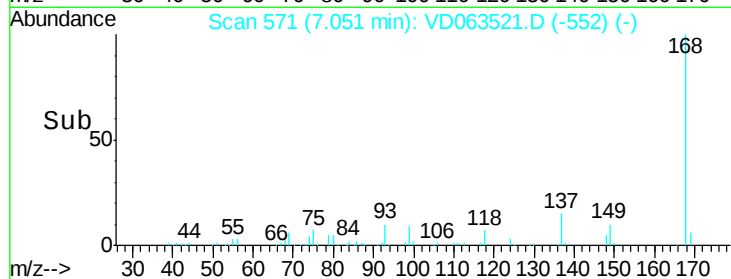
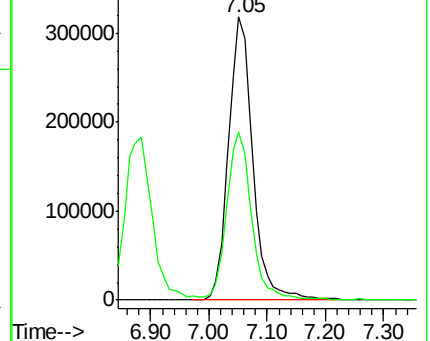
168 100

99 59.5 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: 41.981 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063521.D

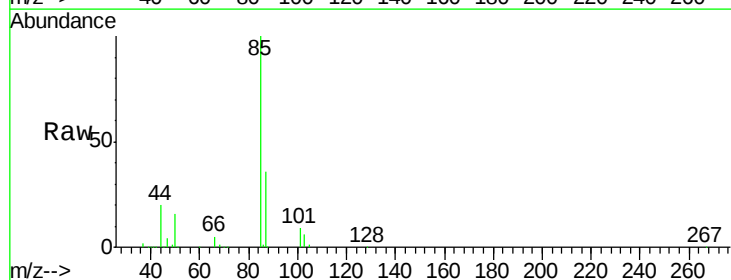
Acq: 13 Aug 2019 8:17

Tgt Ion: 85 Resp: 468040

Ion Ratio Lower Upper

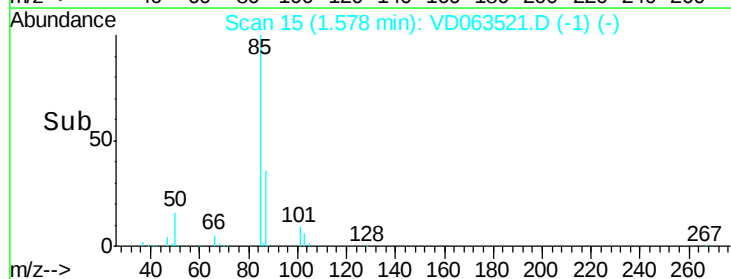
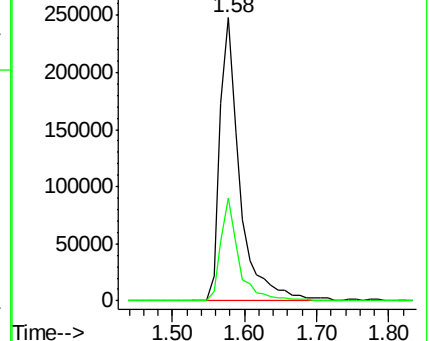
85 100

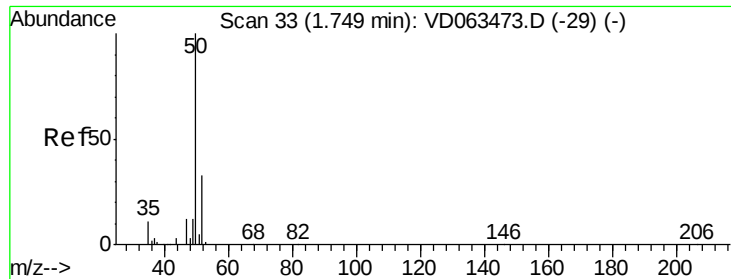
87 36.2 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.114 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

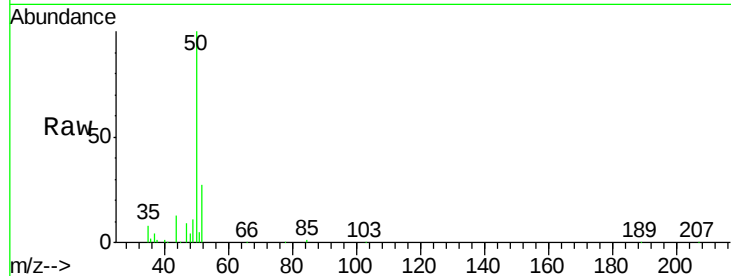
VSTDCCC050EC

Tot Ion: 50 Resp: 419104

Ion Ratio Lower Upper

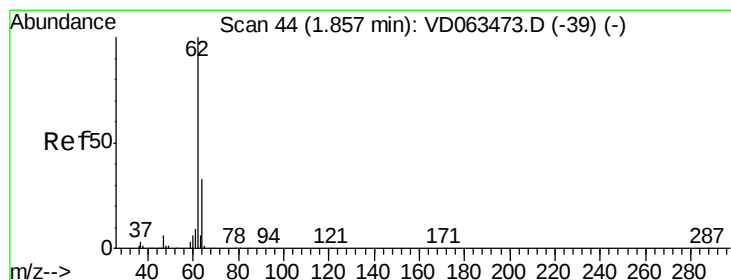
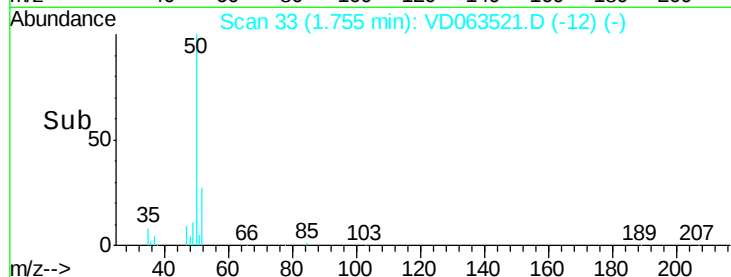
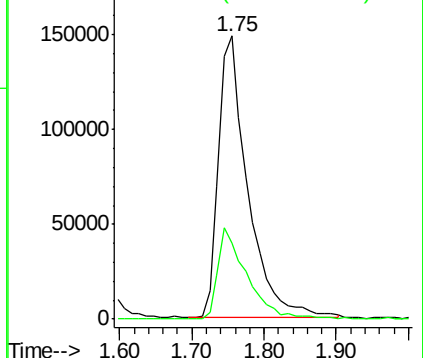
50 100

52 27.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.849 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD063521.D

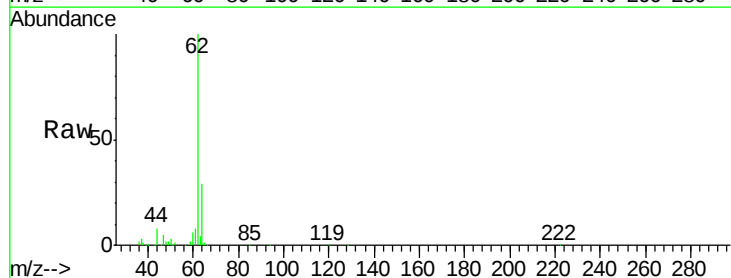
Acq: 13 Aug 2019 8:17

Tgt Ion: 62 Resp: 413760

Ion Ratio Lower Upper

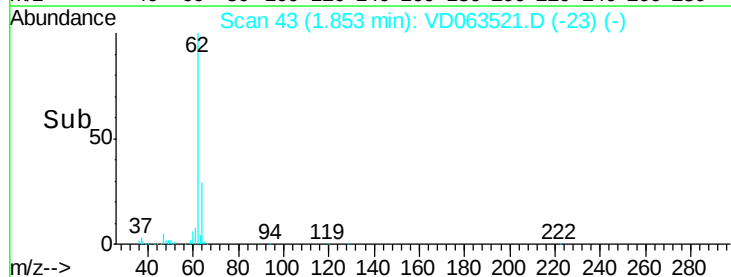
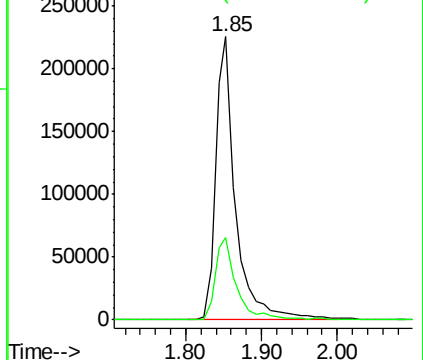
62 100

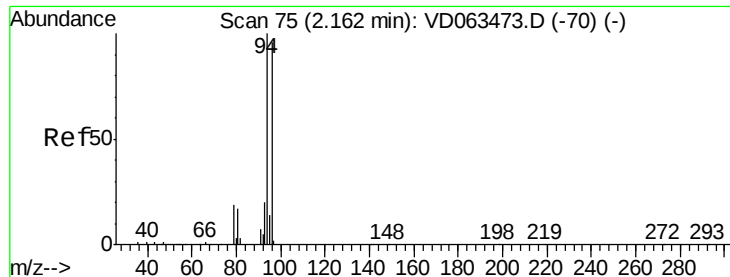
64 29.1 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 58.661 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD063521.D

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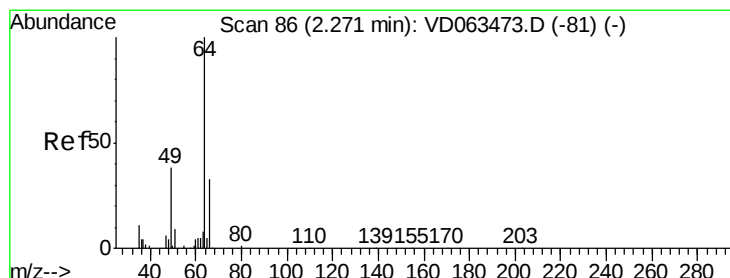
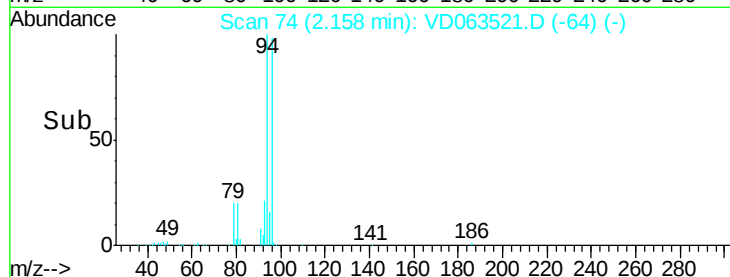
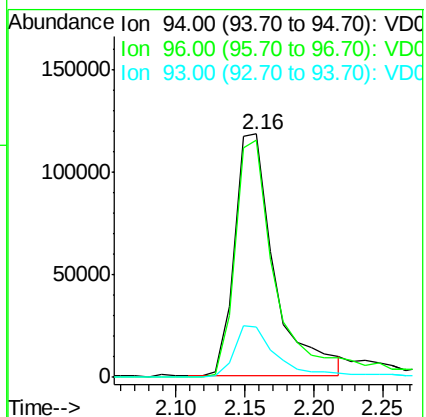
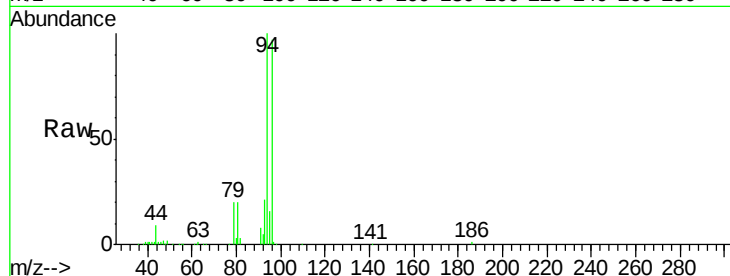
Tot Ion: 94 Resp: 239350

Ion Ratio Lower Upper

94 100

96 97.4 76.5 114.7

93 20.5 15.8 23.8



#6

Chloroethane

Concen: 57.879 ug/l

RT: 2.27 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063521.D

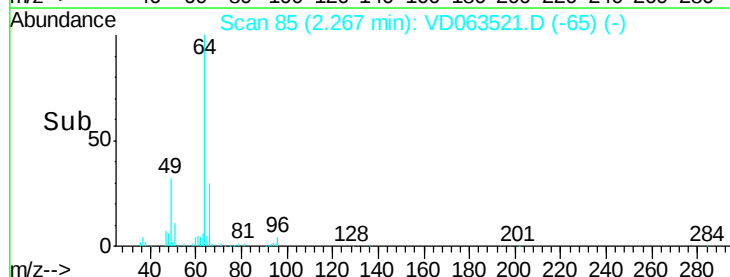
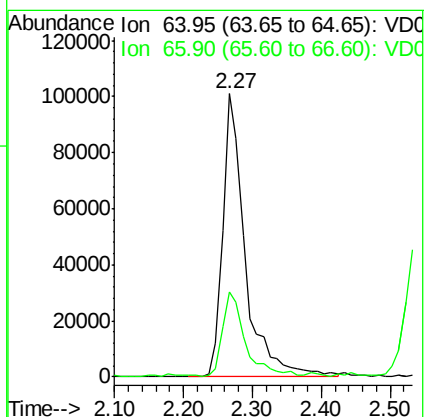
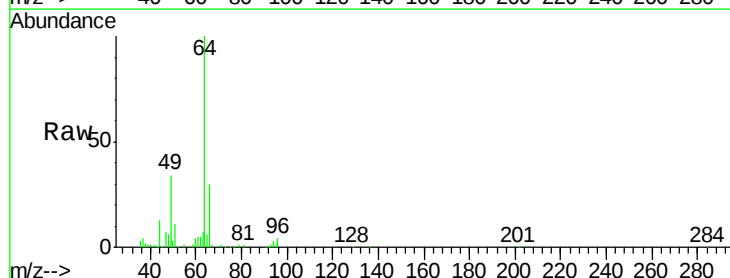
Acq: 13 Aug 2019 8:17

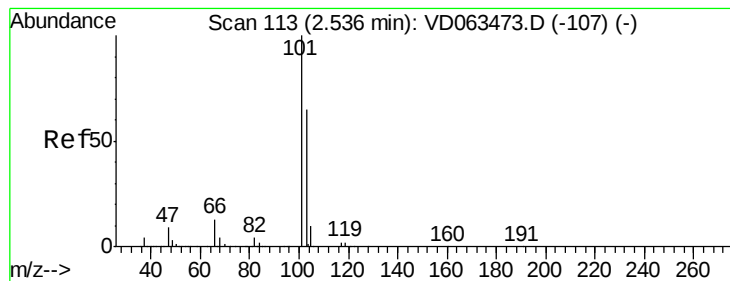
Tgt Ion: 64 Resp: 228871

Ion Ratio Lower Upper

64 100

66 30.1 26.3 39.5



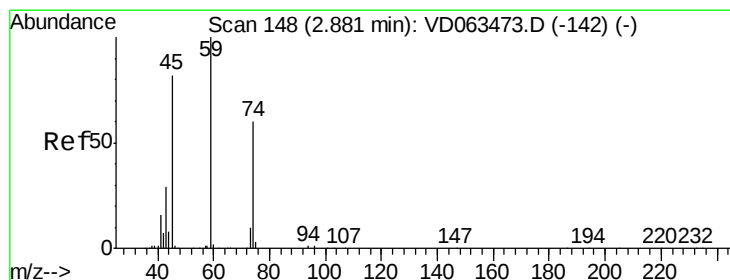
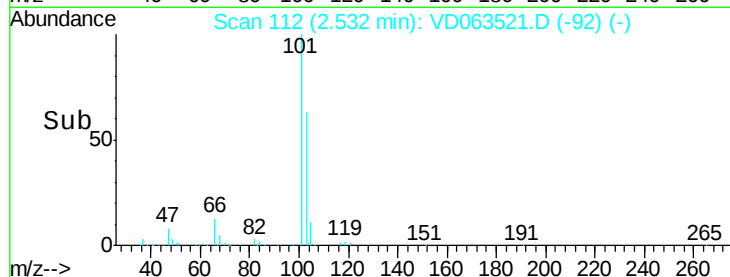
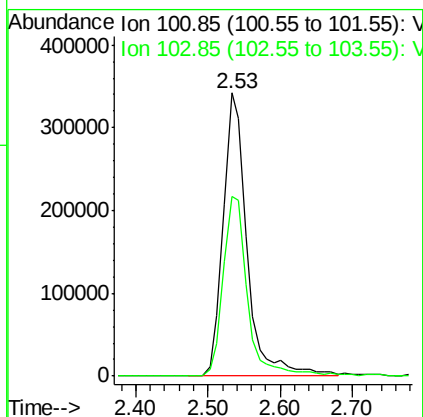
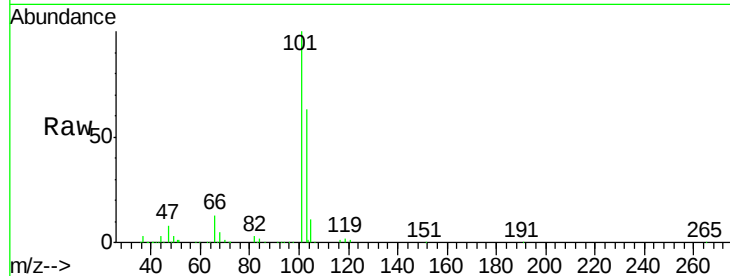


#7

Trichlorofluoromethane
 Concen: 46.199 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

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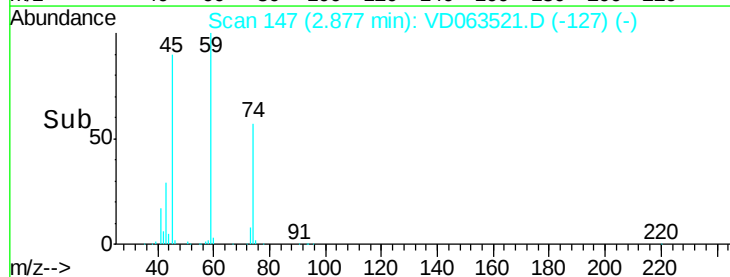
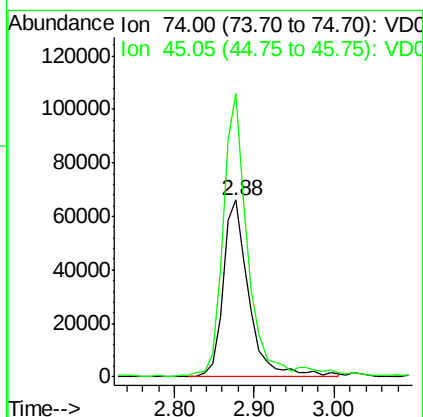
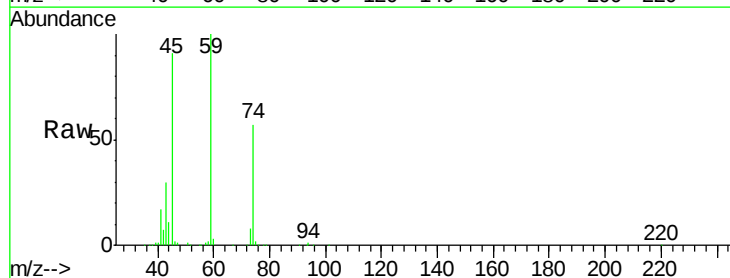
Tot Ion:101 Resp: 783609
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.2 78.4



#8

Diethyl Ether
 Concen: 62.796 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Tgt Ion: 74 Resp: 150382
 Ion Ratio Lower Upper
 74 100
 45 160.1 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.757 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

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VSTDCCC050EC

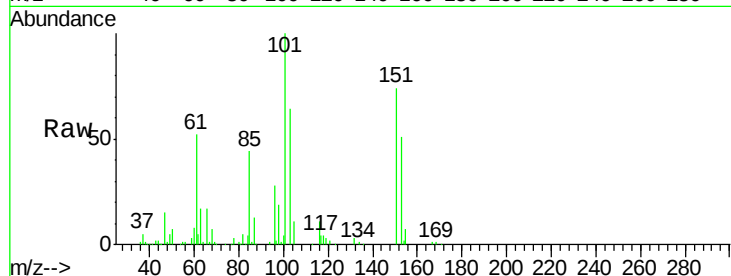
Tot Ion:101 Resp: 498335

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.6

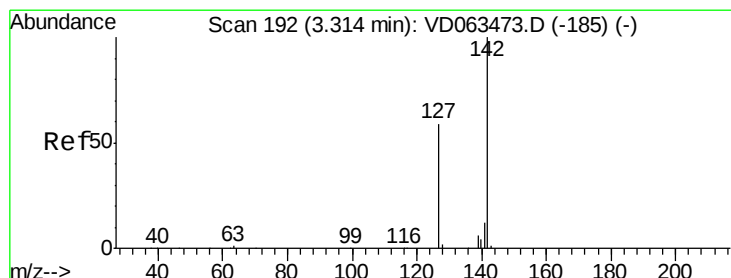
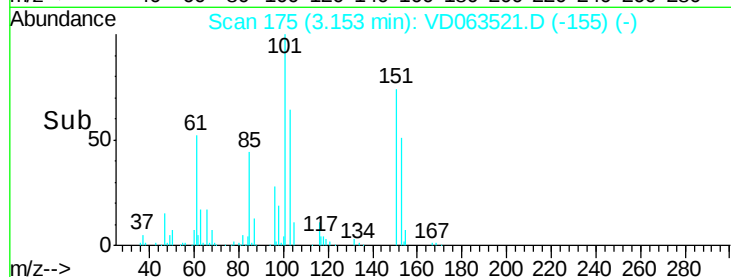
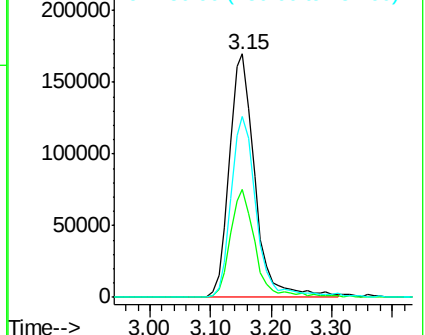
151 74.3 58.6 88.0



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: 56.896 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

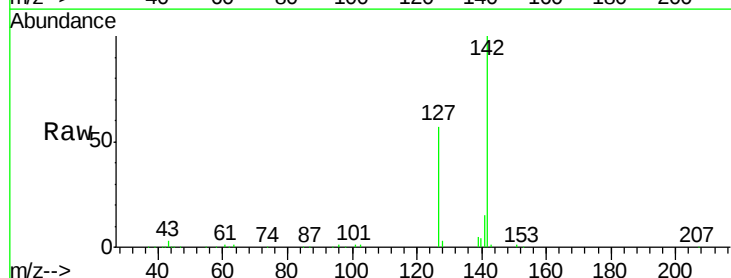
Tgt Ion:142 Resp: 806269

Ion Ratio Lower Upper

142 100

127 57.0 47.2 70.8

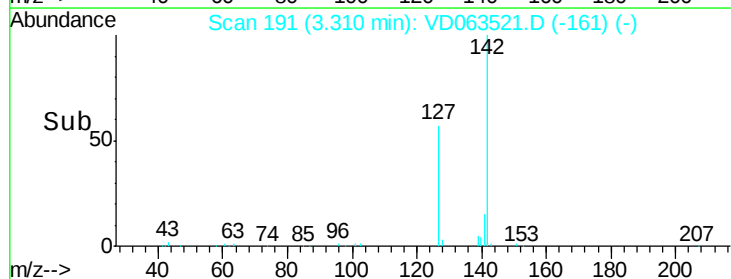
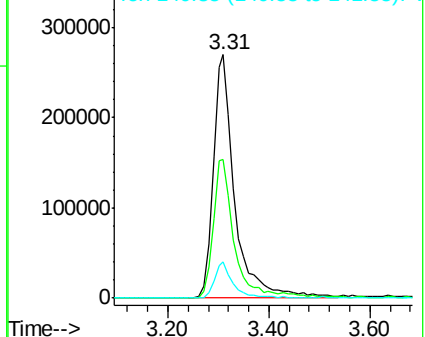
141 14.7 9.8 14.8

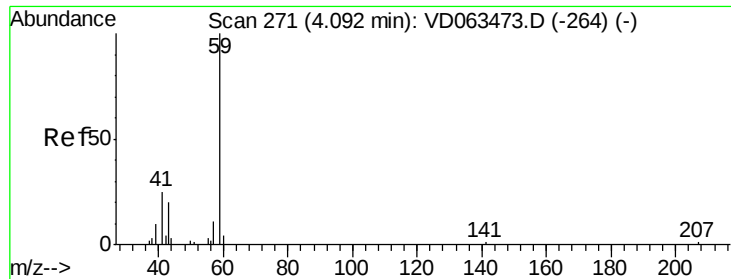


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



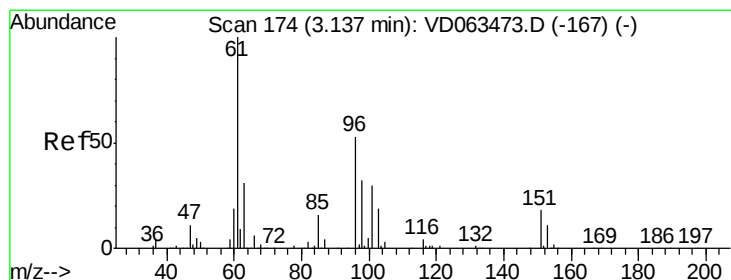
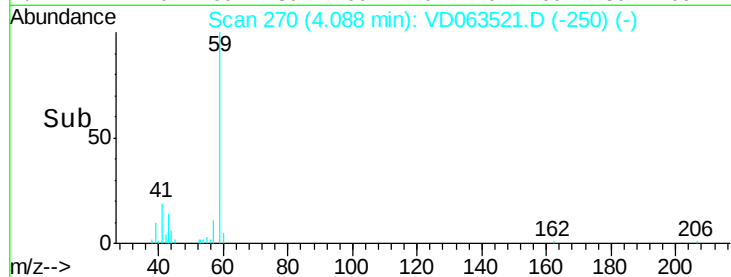
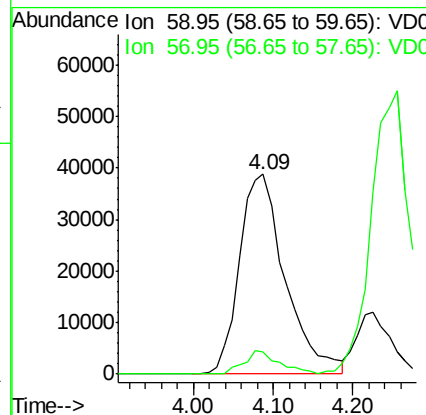
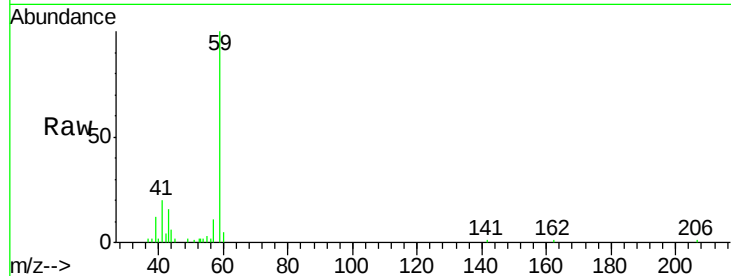


#11

Tert butyl alcohol
 Concen: 359.685 ug/l
 RT: 4.09 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

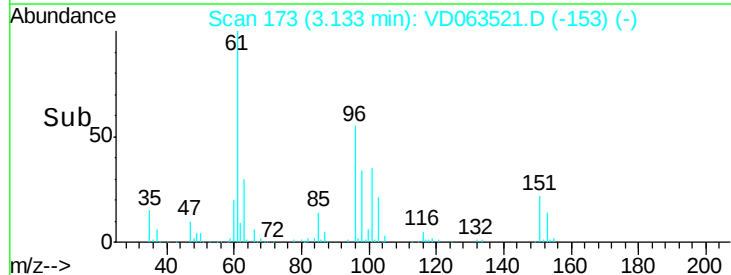
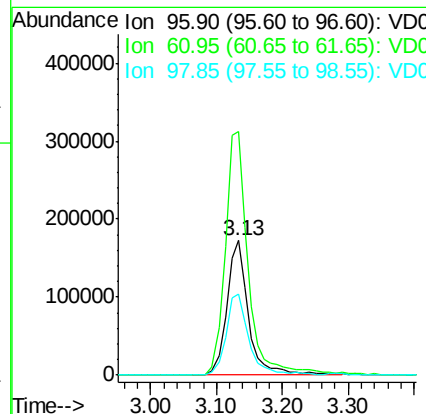
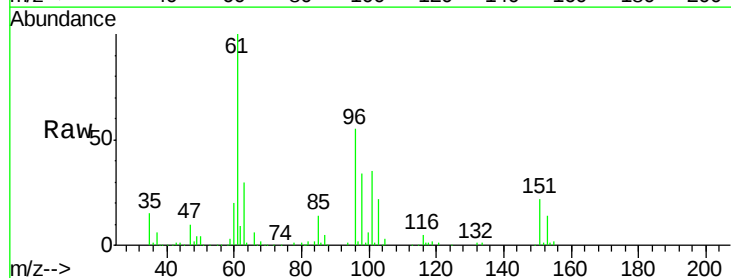
Tot Ion: 59 Resp: 154235
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.7 13.1

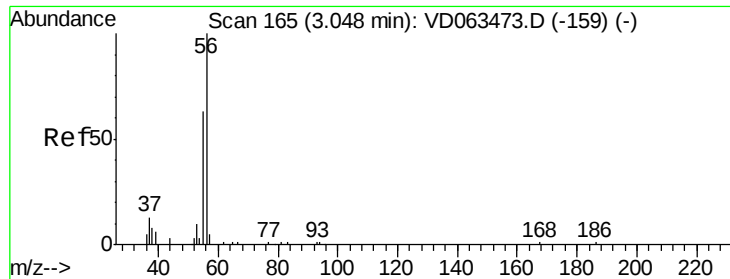


#12

1,1-Dichloroethene
 Concen: 53.279 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Tgt Ion: 96 Resp: 396728
 Ion Ratio Lower Upper
 96 100
 61 181.3 151.7 227.5
 98 60.7 48.4 72.6

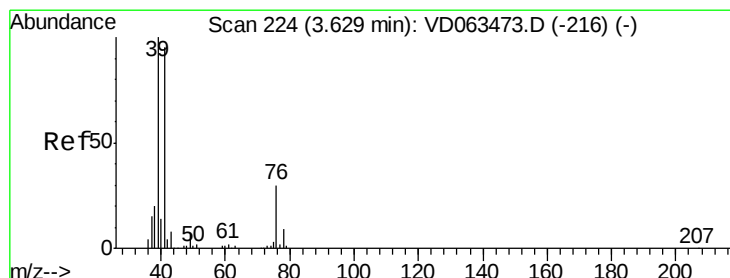
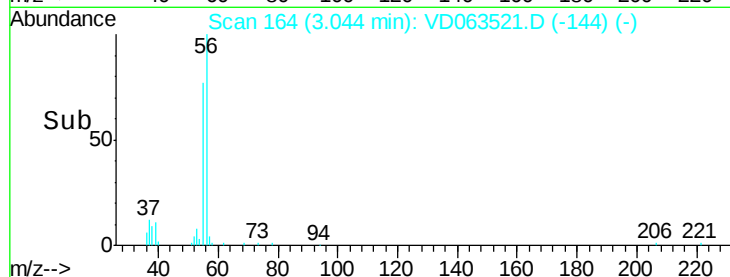
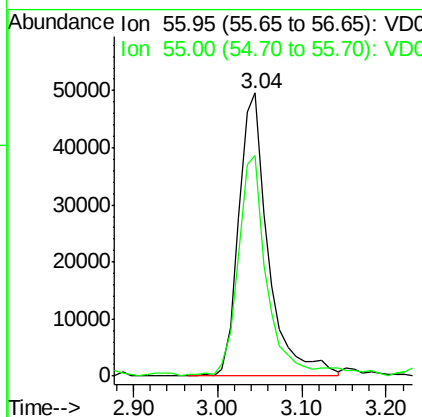
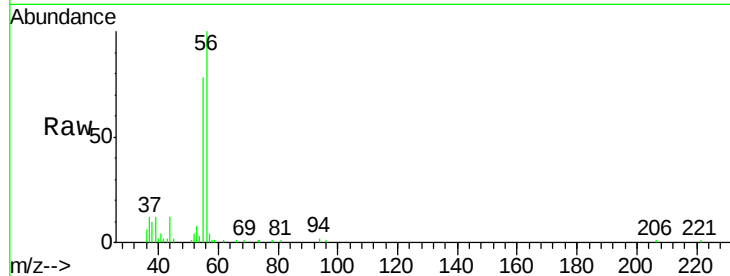




#13
Acrolein
Concen: 285.986 ug/l
RT: 3.04 min Scan# 164
Delta R.T. -0.00 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

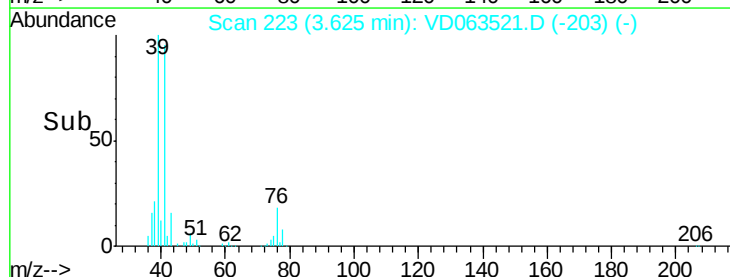
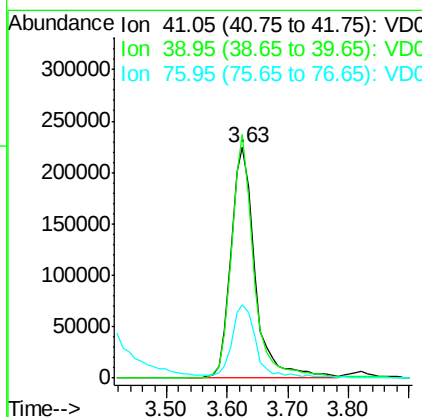
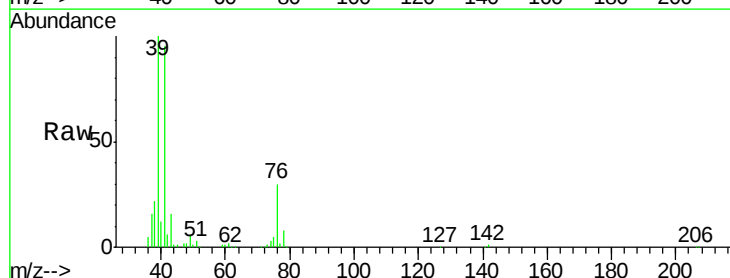
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

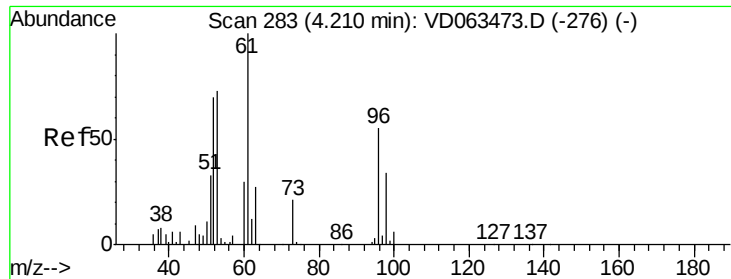
Tot Ion: 56 Resp: 120709
Ion Ratio Lower Upper
56 100
55 78.0 51.3 76.9#



#14
Allyl chloride
Concen: 55.655 ug/l
RT: 3.63 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

Tgt Ion: 41 Resp: 622996
Ion Ratio Lower Upper
41 100
39 105.5 84.2 126.4
76 31.9 26.0 39.0





#15

Acrylonitrile

Concen: 358.345 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

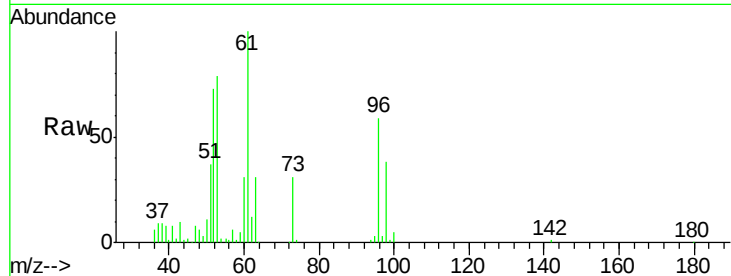
Tot Ion: 53 Resp: 407010

Ion Ratio Lower Upper

53 100

52 93.6 77.4 116.0

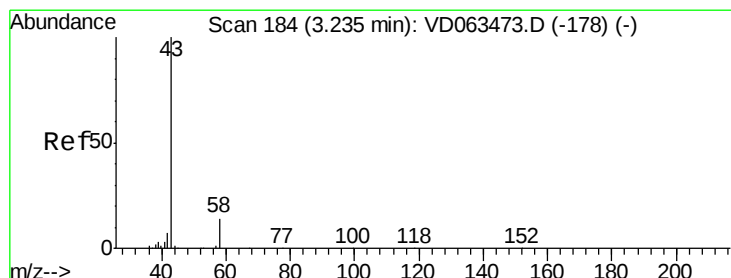
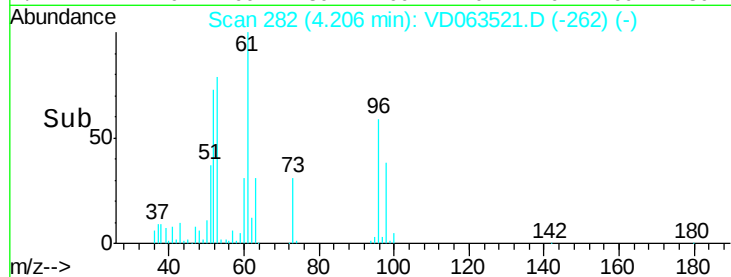
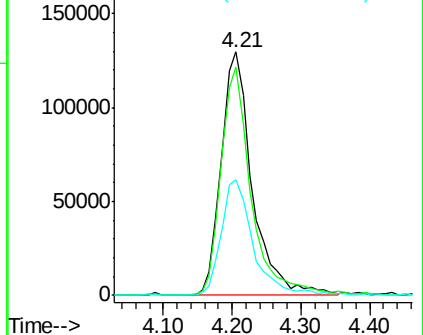
51 47.3 36.7 55.1



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: 273.246 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063521.D

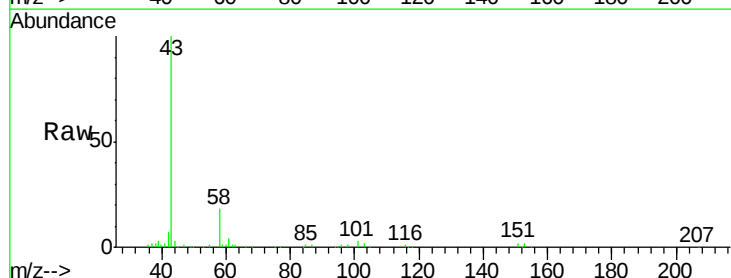
Acq: 13 Aug 2019 8:17

Tgt Ion: 43 Resp: 547142

Ion Ratio Lower Upper

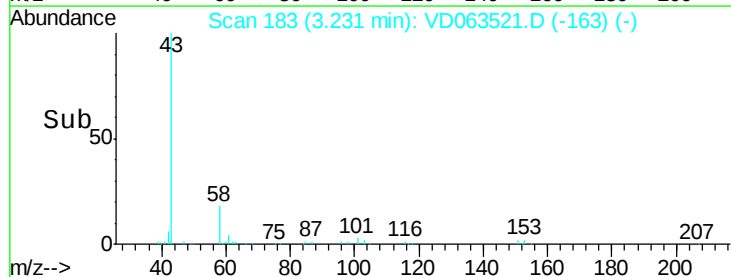
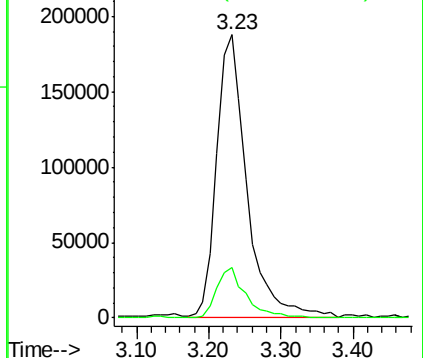
43 100

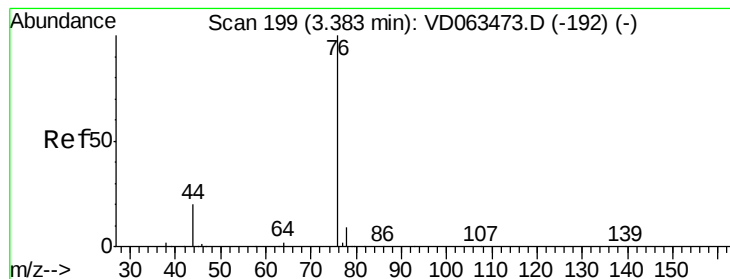
58 17.7 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 50.249 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

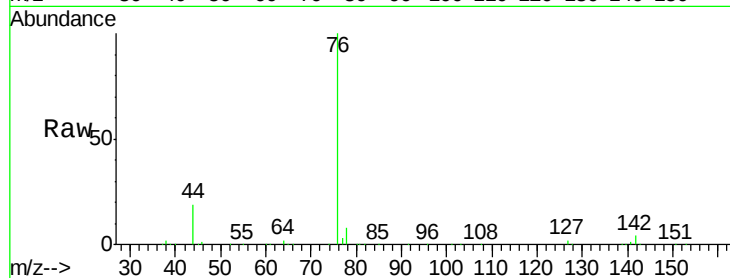
VSTDCCC050EC

Tot Ion: 76 Resp: 1180879

Ion Ratio Lower Upper

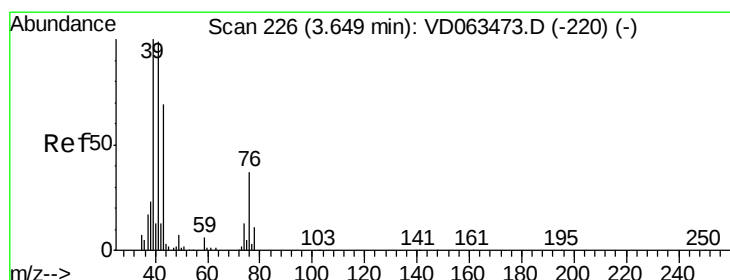
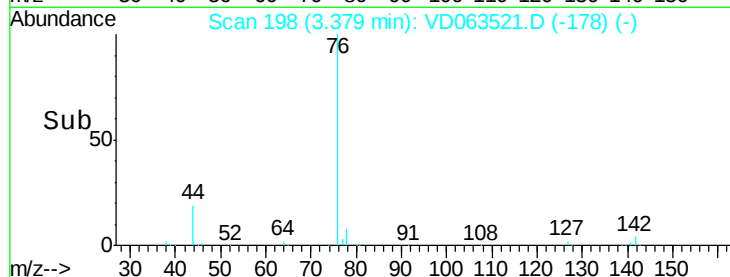
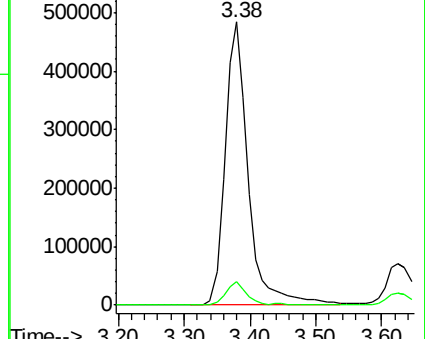
76 100

78 8.4 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 83.252 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD063521.D

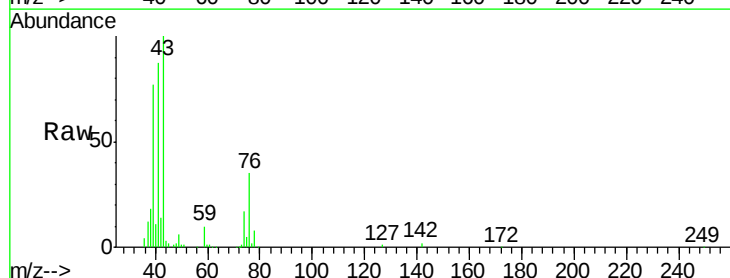
Acq: 13 Aug 2019 8:17

Tgt Ion: 43 Resp: 315758

Ion Ratio Lower Upper

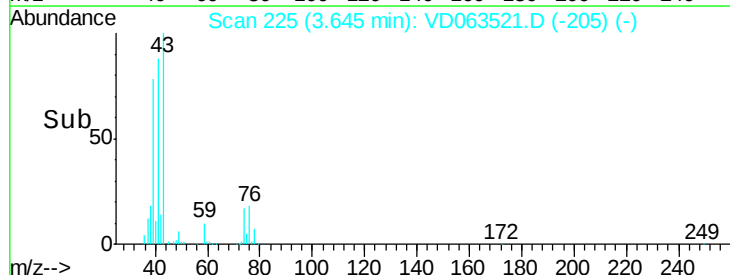
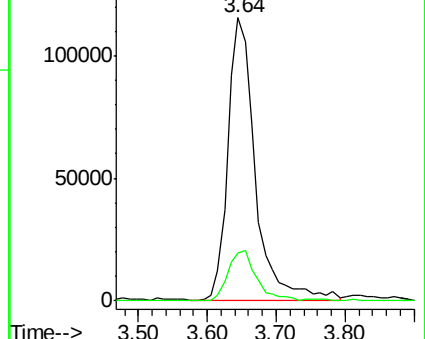
43 100

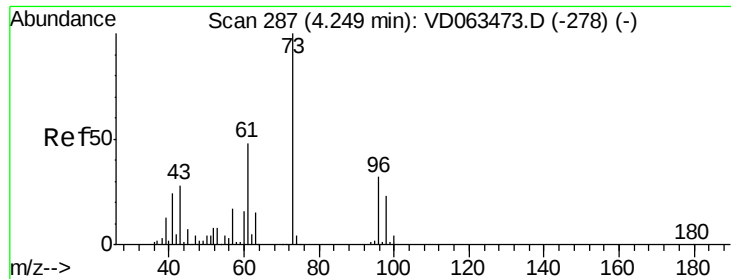
74 16.9 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

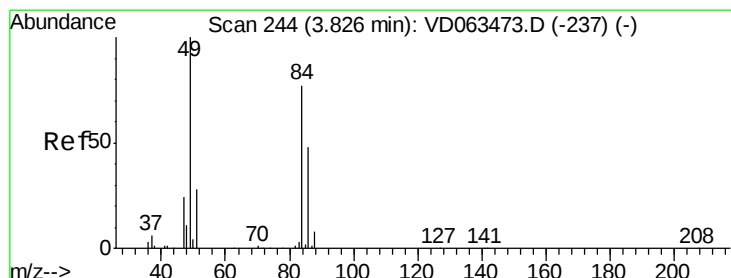
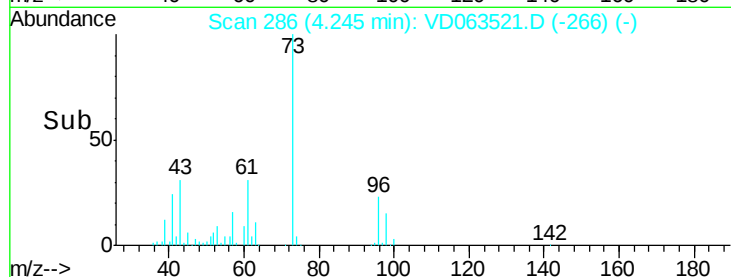
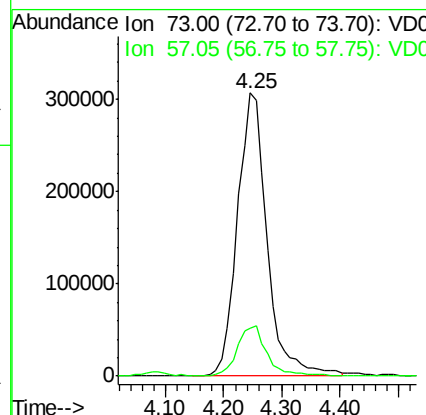
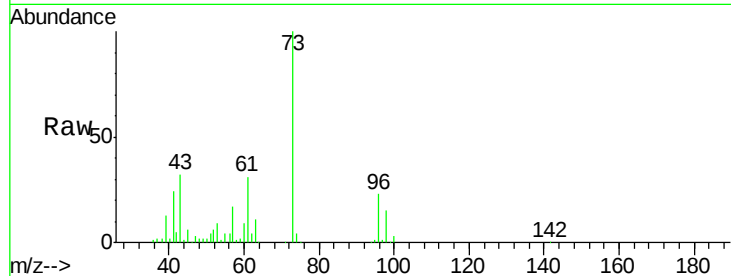




#19
Methyl tert-butyl Ether
Concen: 73.115 ug/l
RT: 4.25 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

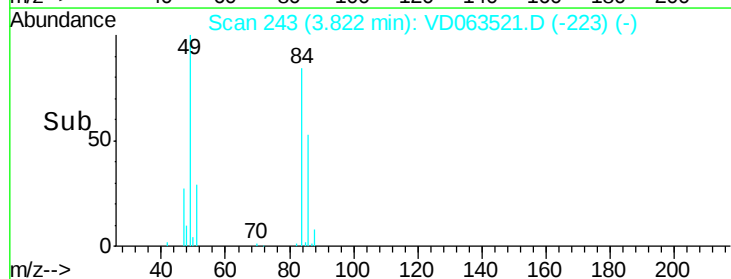
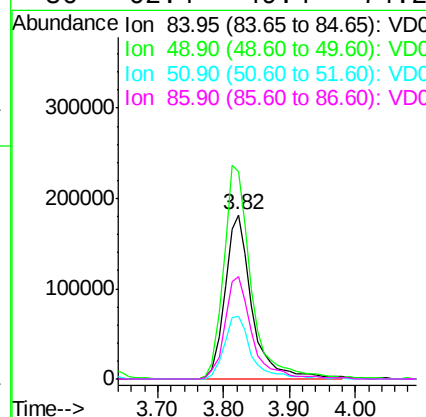
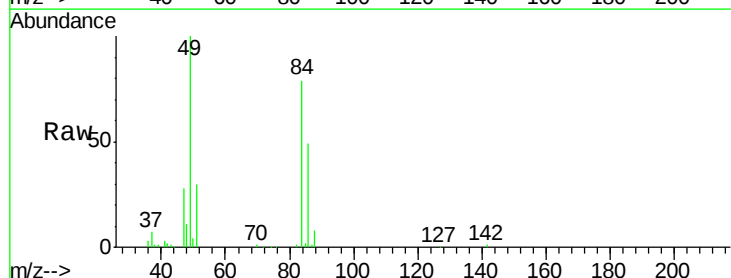
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

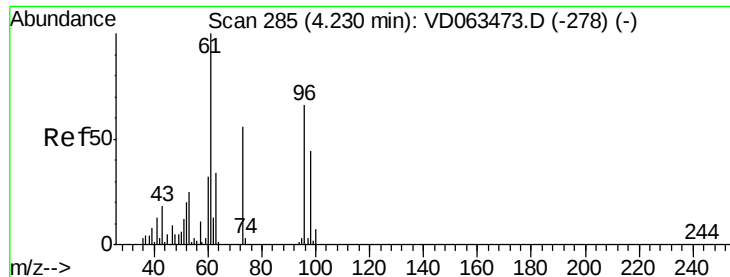
Tot Ion: 73 Resp: 1088814
Ion Ratio Lower Upper
73 100
57 16.9 14.0 21.0



#20
Methylene Chloride
Concen: 59.944 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

Tgt Ion: 84 Resp: 519031
Ion Ratio Lower Upper
84 100
49 126.5 103.4 155.2
51 38.2 28.5 42.7
86 62.4 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 59.359 ug/l

RT: 4.23 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

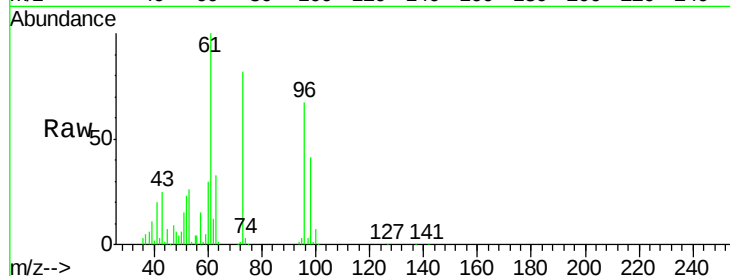
Tot Ion: 96 Resp: 465125

Ion Ratio Lower Upper

96 100

61 150.0 121.7 182.5

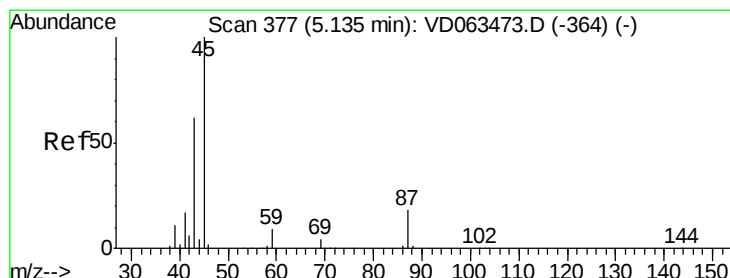
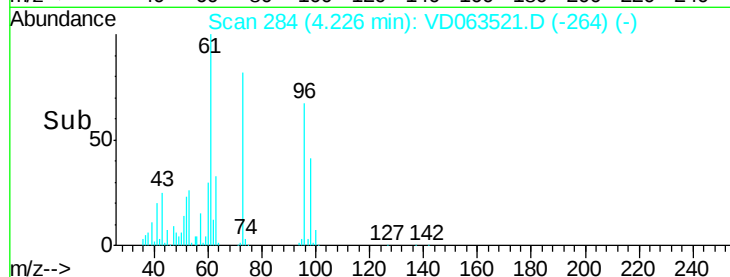
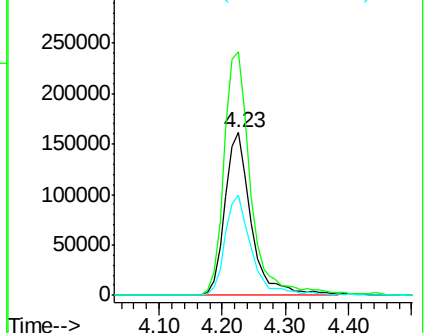
98 61.8 54.2 81.2



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: 64.424 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Tgt Ion: 45 Resp: 1488114

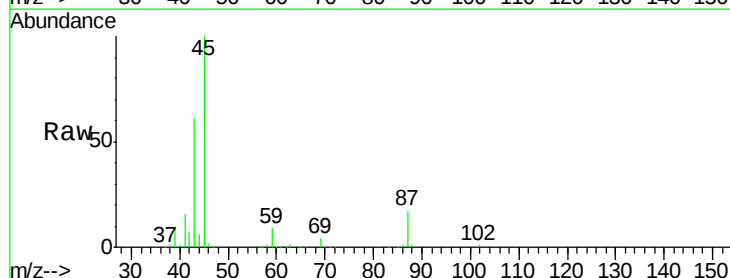
Ion Ratio Lower Upper

45 100

43 60.7 50.3 75.5

87 16.8 14.3 21.5

59 9.3 7.7 11.5

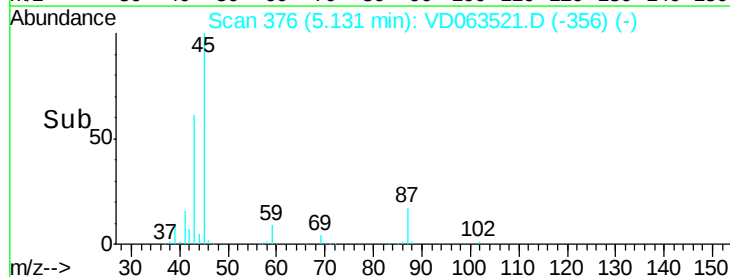
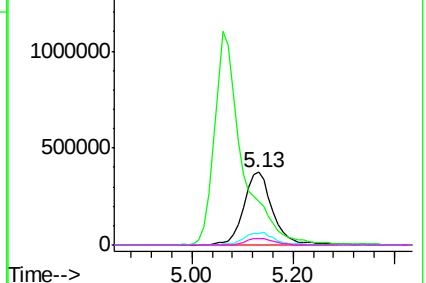


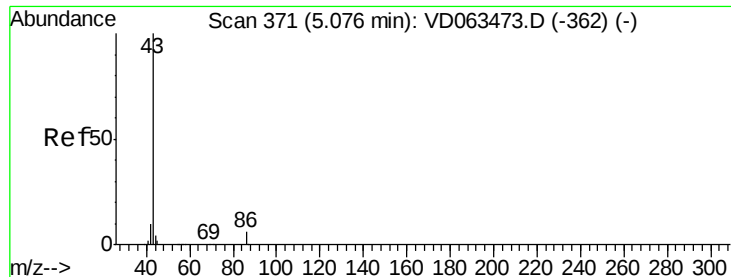
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 313.243 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

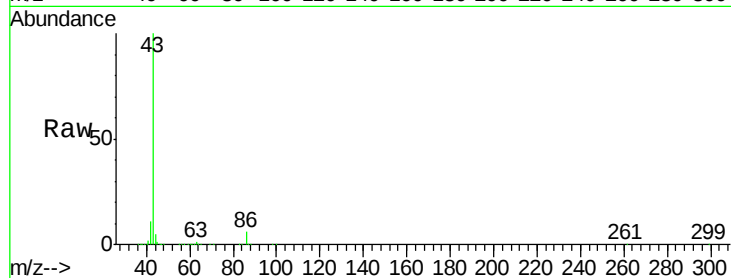
VSTDCCC050EC

Tot Ion: 43 Resp: 4206439

Ion Ratio Lower Upper

43 100

86 6.1 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

1200000

1000000

800000

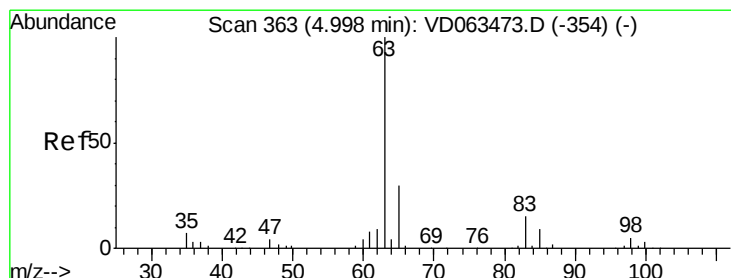
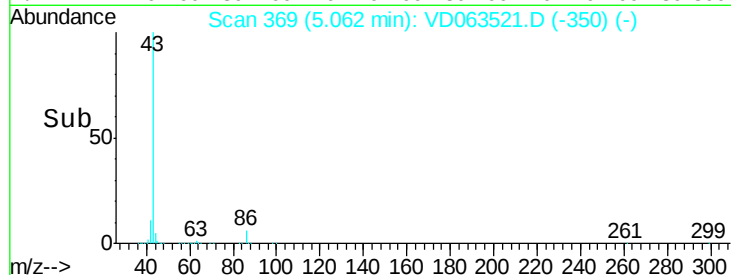
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 59.277 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

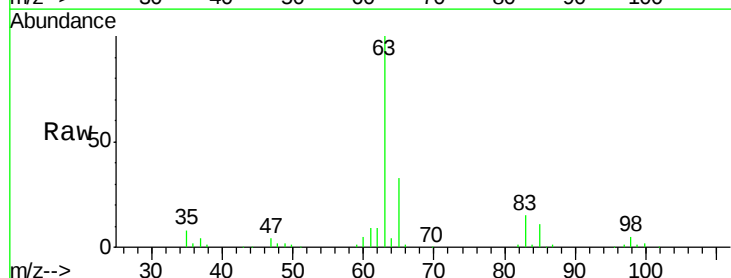
Tgt Ion: 63 Resp: 849237

Ion Ratio Lower Upper

63 100

98 4.8 2.4 7.2

100 2.1 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

4.99

300000

250000

200000

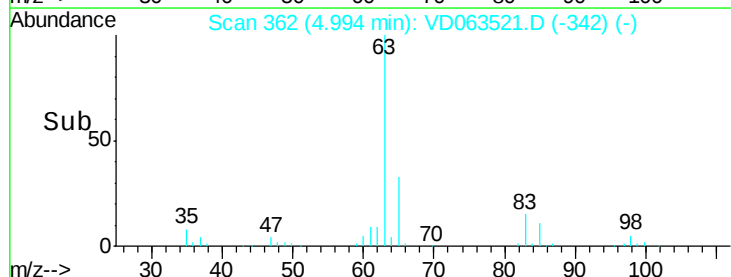
150000

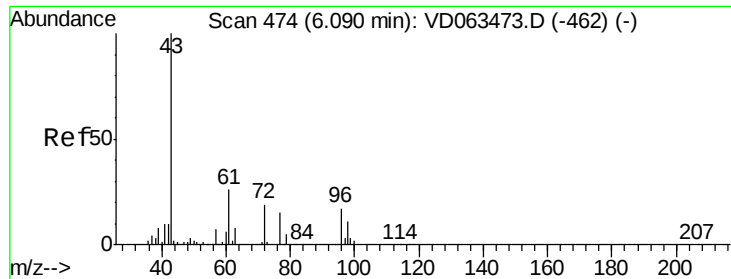
100000

50000

0

Time-->





#25

2-Butanone

Concen: 330.294 ug/l

RT: 6.08 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

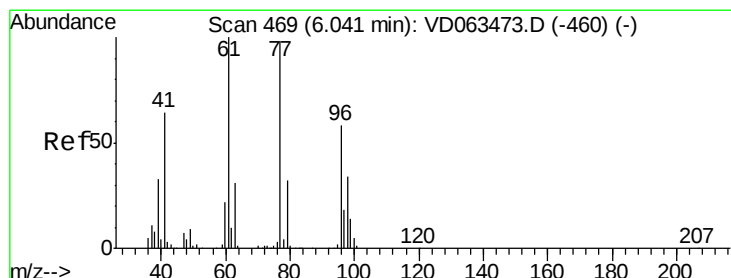
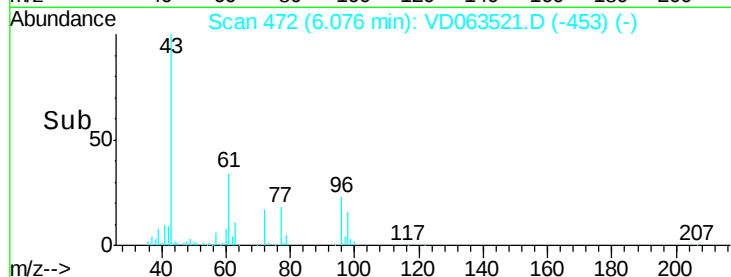
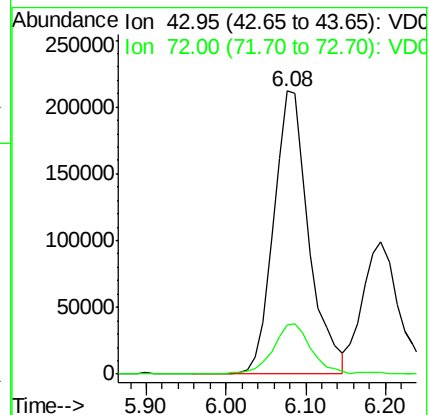
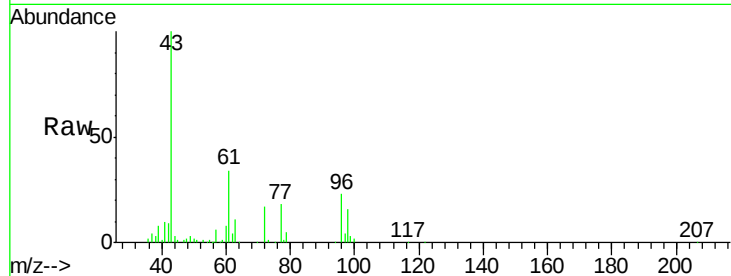
VSTDCCC050EC

Tot Ion: 43 Resp: 653196

Ion Ratio Lower Upper

43 100

72 17.2 15.1 22.7



#26

2,2-Dichloropropane

Concen: 47.817 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD063521.D

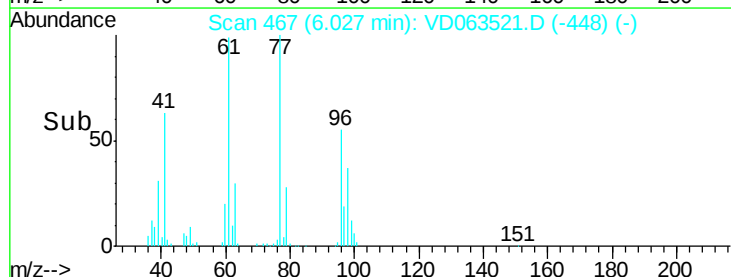
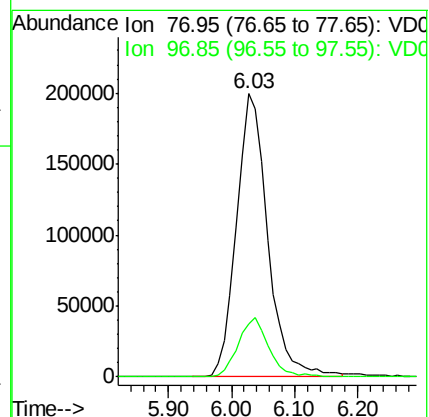
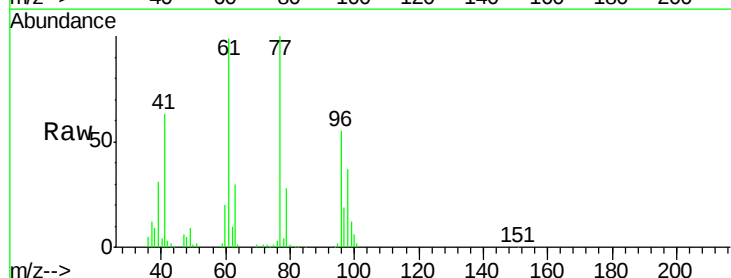
Acq: 13 Aug 2019 8:17

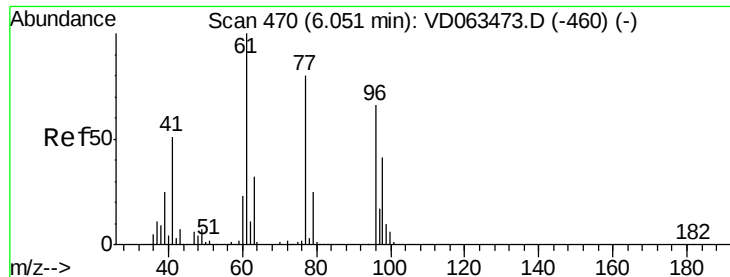
Tgt Ion: 77 Resp: 682342

Ion Ratio Lower Upper

77 100

97 18.8 9.0 27.1



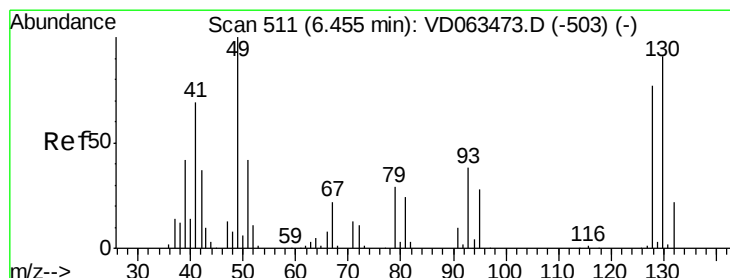
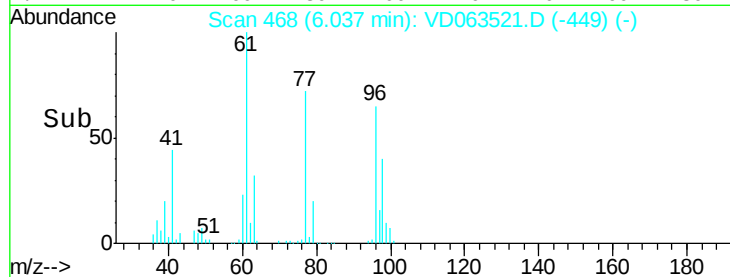
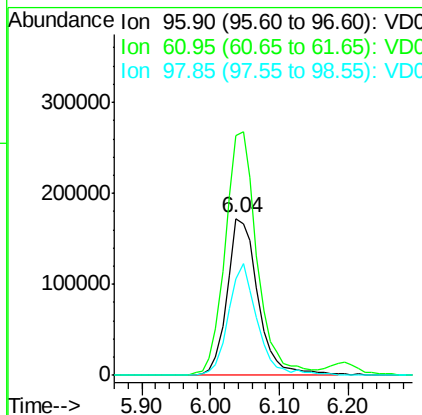
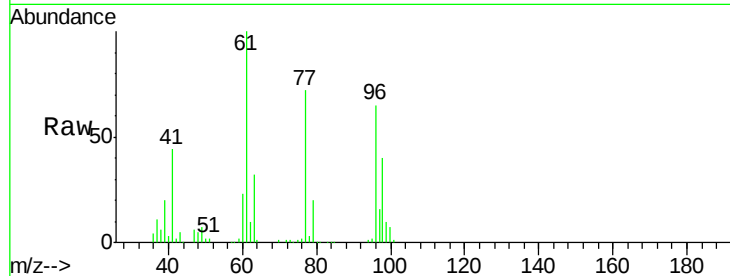


#27

cis-1,2-Dichloroethene
 Concen: 62.605 ug/l
 RT: 6.04 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

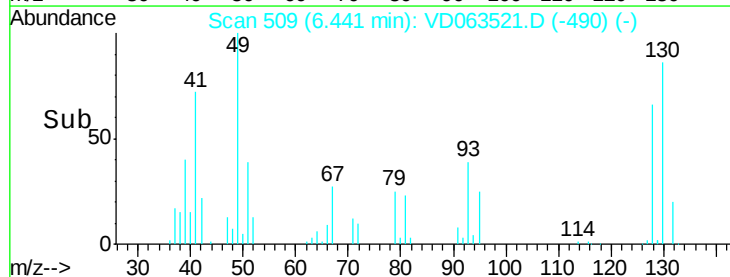
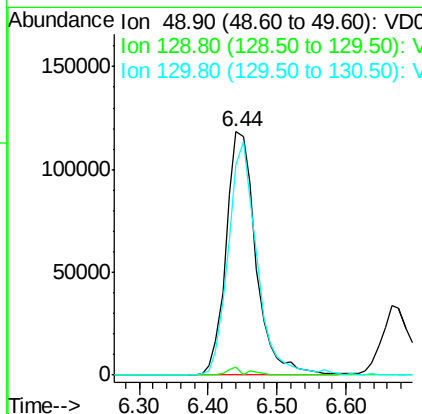
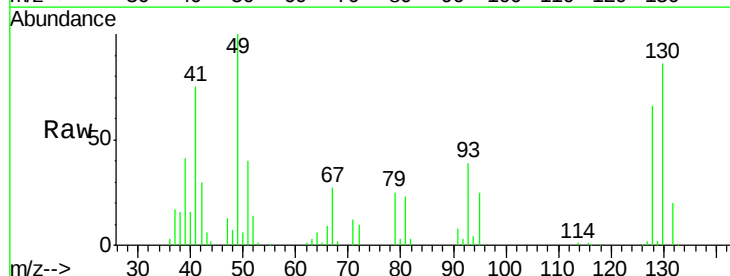
Tot Ion: 96 Resp: 536719
 Ion Ratio Lower Upper
 96 100
 61 153.1 0.0 304.0
 98 61.5 0.0 124.8



#28

Bromochloromethane
 Concen: 61.182 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Tgt Ion: 49 Resp: 355249
 Ion Ratio Lower Upper
 49 100
 129 3.1 0.0 6.4
 130 86.3 72.4 108.6





#29

Tetrahydrofuran

Concen: 354.894 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

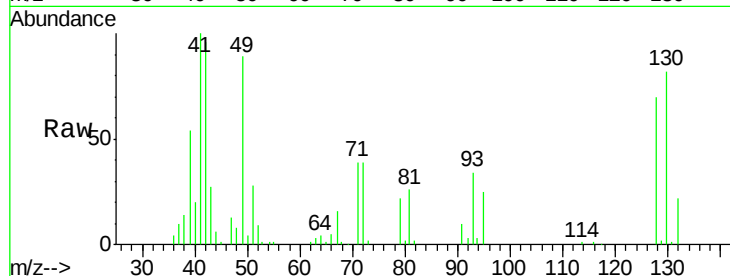
Tot Ion: 42 Resp: 327043

Ion Ratio Lower Upper

42 100

72 40.8 31.5 47.3

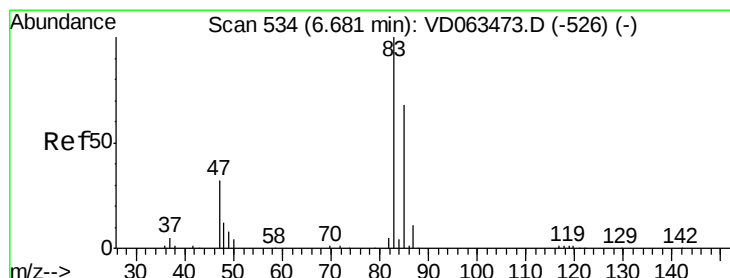
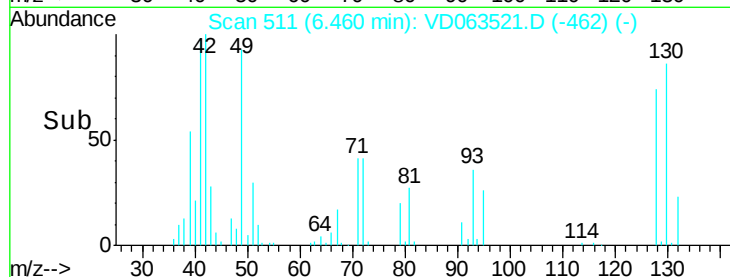
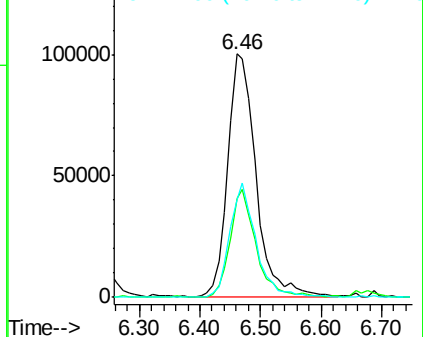
71 43.1 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 59.999 ug/l

RT: 6.68 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD063521.D

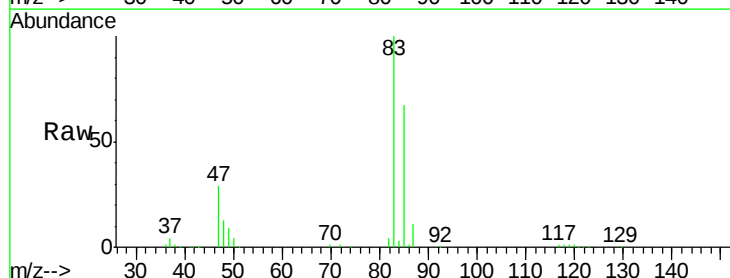
Acq: 13 Aug 2019 8:17

Tgt Ion: 83 Resp: 1068443

Ion Ratio Lower Upper

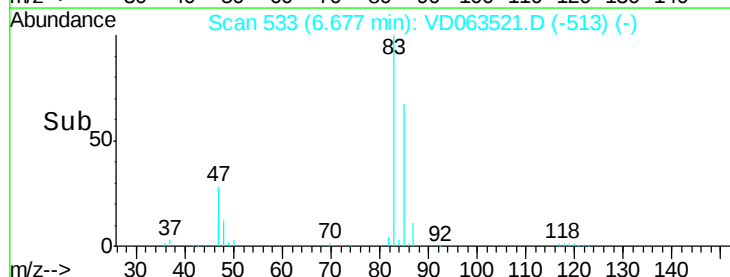
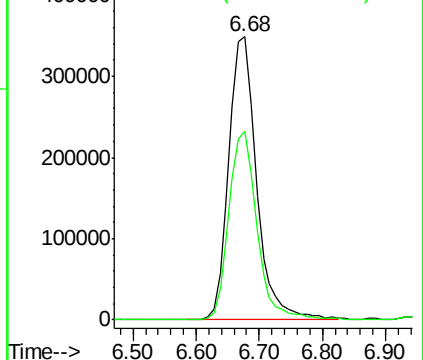
83 100

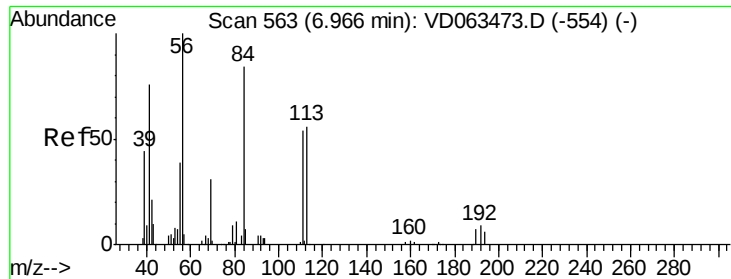
85 66.7 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

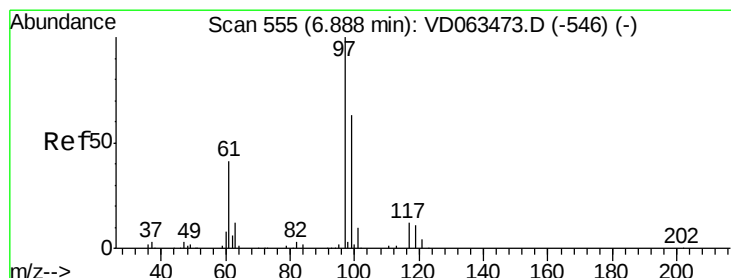
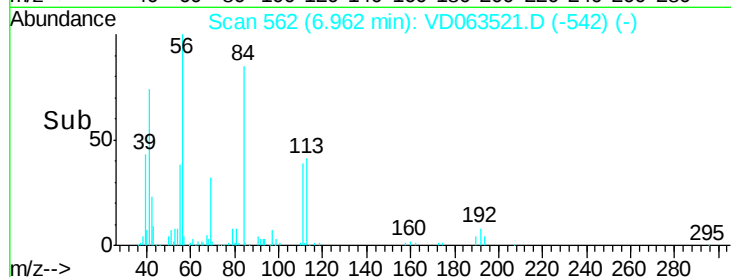
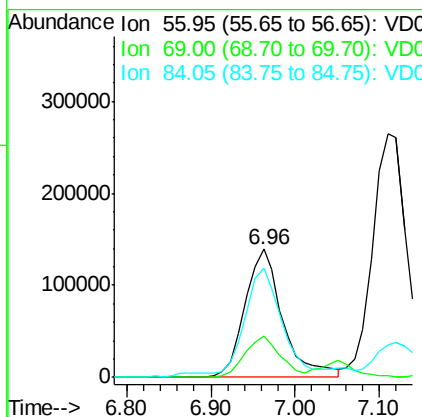
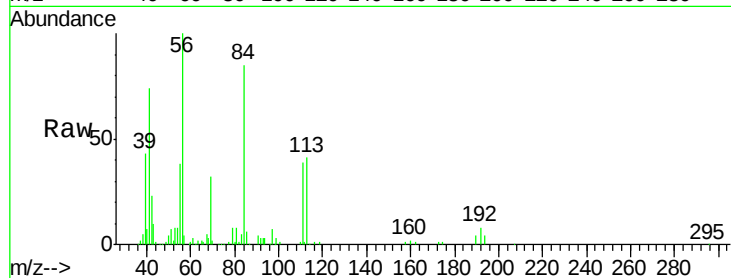




#31
Cyclohexane
Concen: 49.126 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

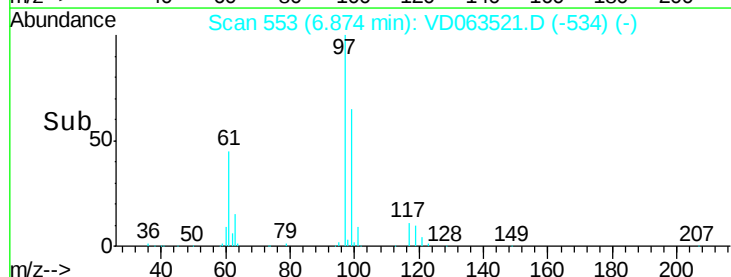
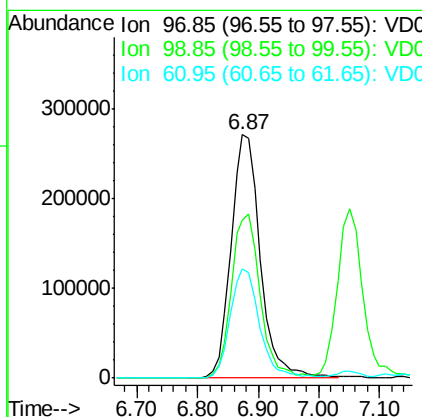
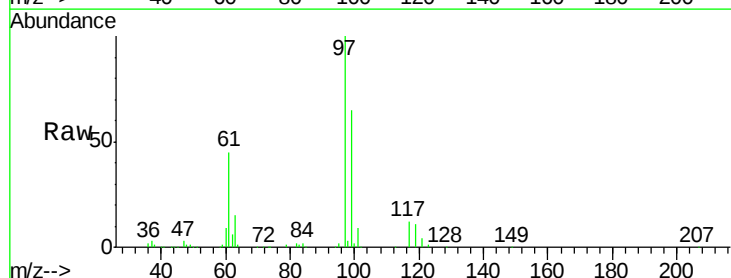
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

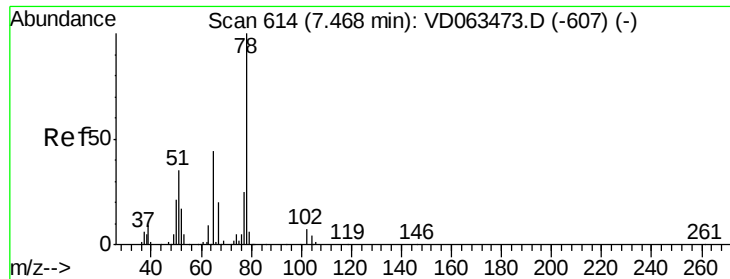
Tot Ion: 56 Resp: 436933
Ion Ratio Lower Upper
56 100
69 32.2 25.0 37.6
84 85.4 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 53.431 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

Tgt Ion: 97 Resp: 910177
Ion Ratio Lower Upper
97 100
99 64.8 50.2 75.4
61 44.8 33.1 49.7





#33

1,2-Dichloroethane-d4

Concen: 64.592 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

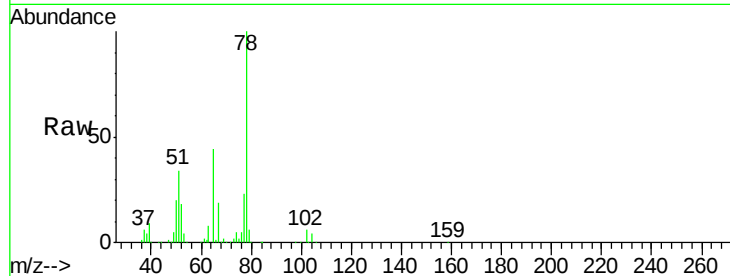
VSTDCCC050EC

Tot Ion: 65 Resp: 636255

Ion Ratio Lower Upper

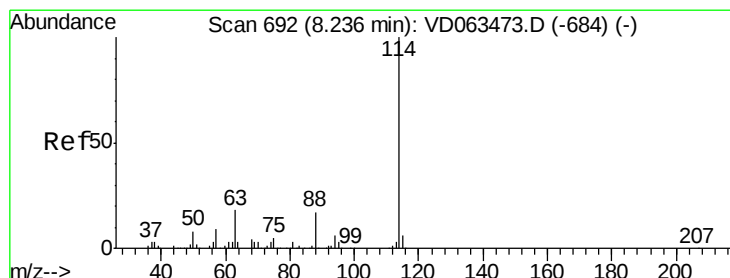
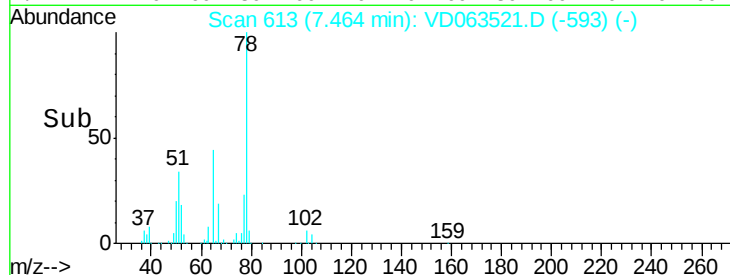
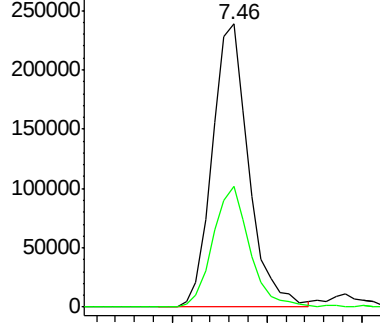
65 100

67 42.7 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

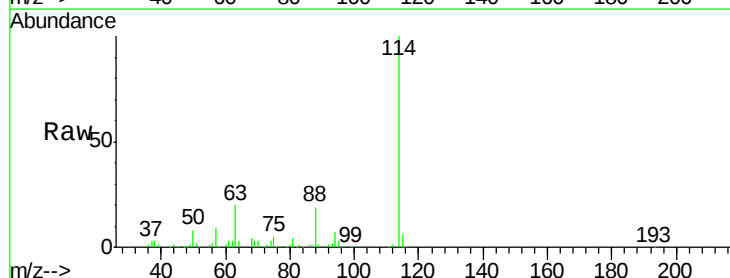
Tgt Ion: 114 Resp: 1418575

Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.2

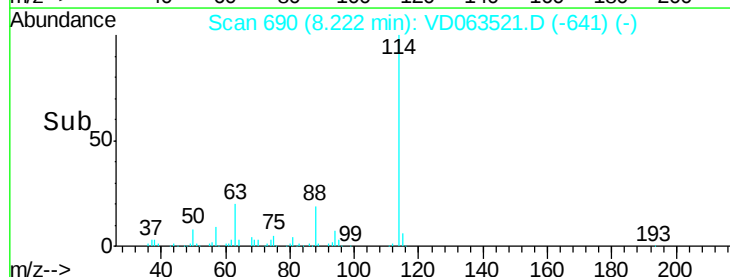
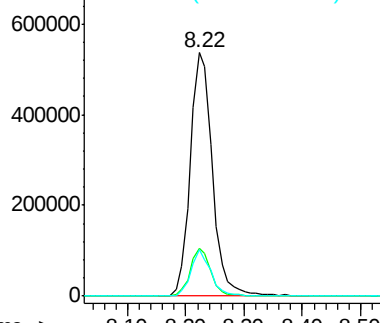
88 19.0 0.0 35.0

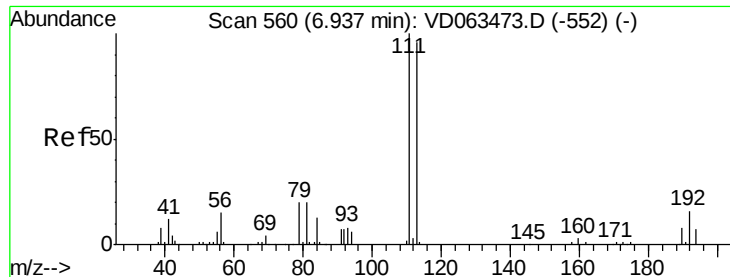


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 55.311 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

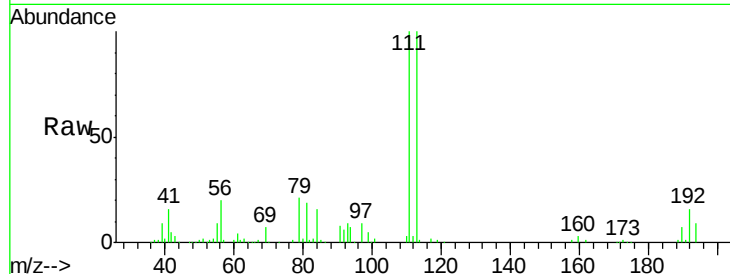
Tot Ion:113 Resp: 660817

Ion Ratio Lower Upper

113 100

111 100.1 83.1 124.7

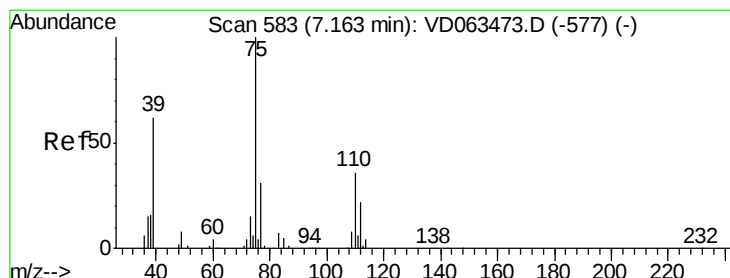
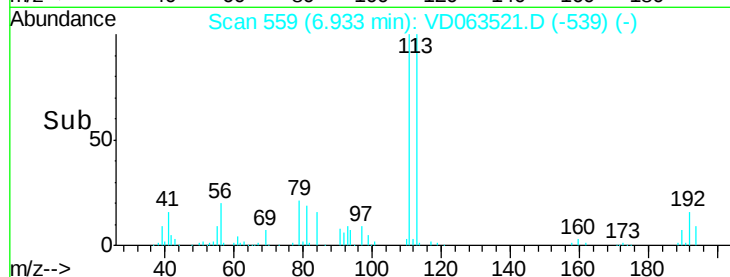
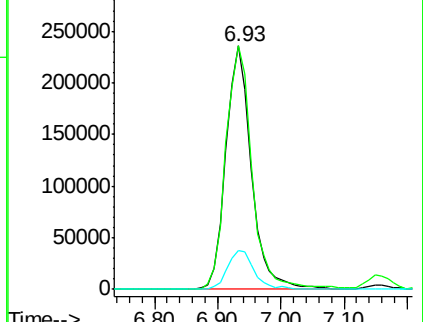
192 15.9 13.1 19.7



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: 47.459 ug/l

RT: 7.15 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

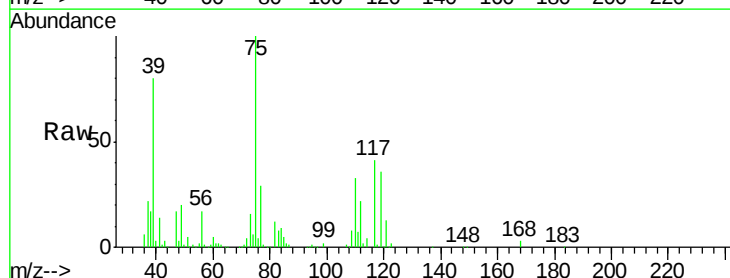
Tgt Ion: 75 Resp: 595166

Ion Ratio Lower Upper

75 100

110 33.1 17.6 52.8

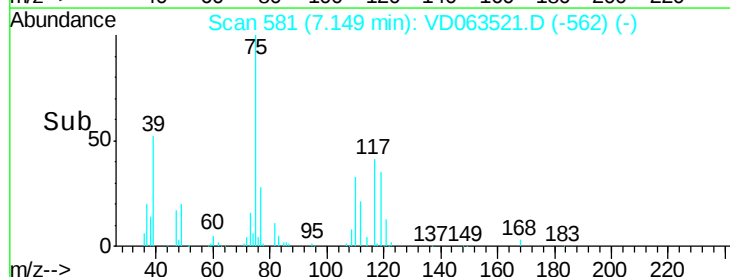
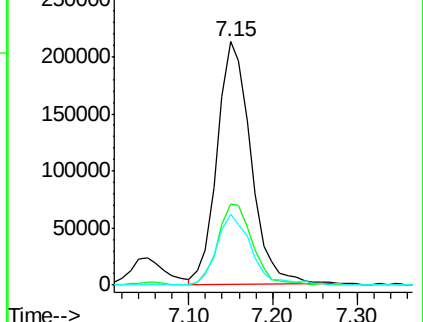
77 29.3 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

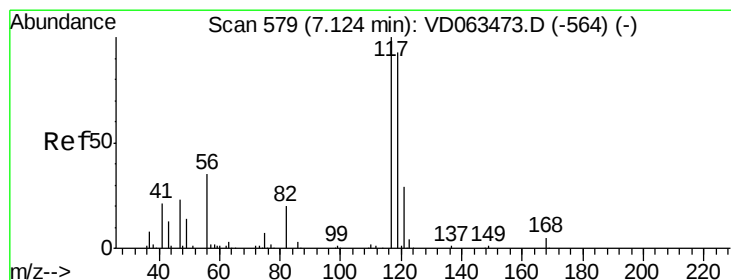
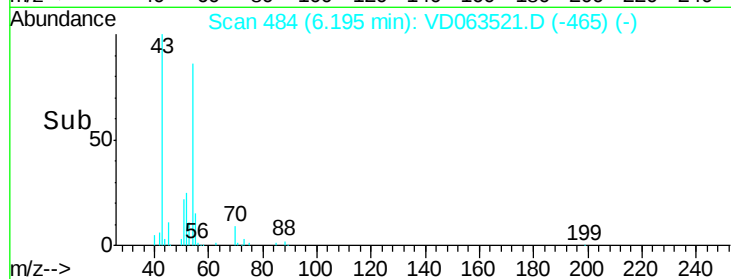
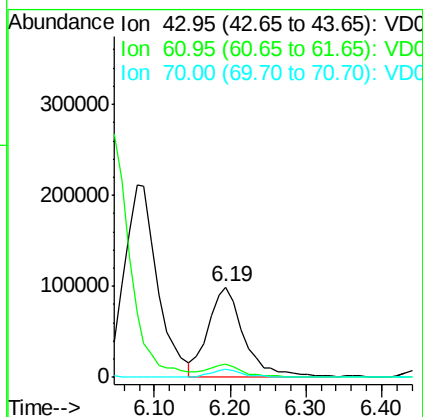
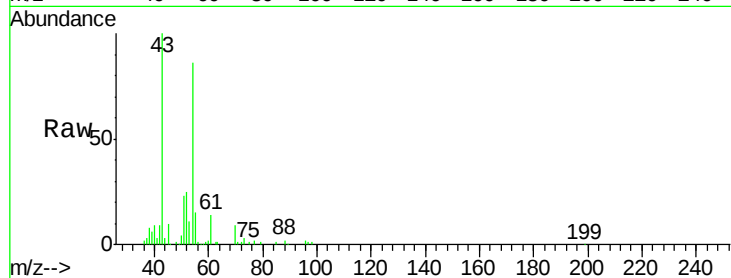




#37
Ethyl Acetate
Concen: 60.244 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

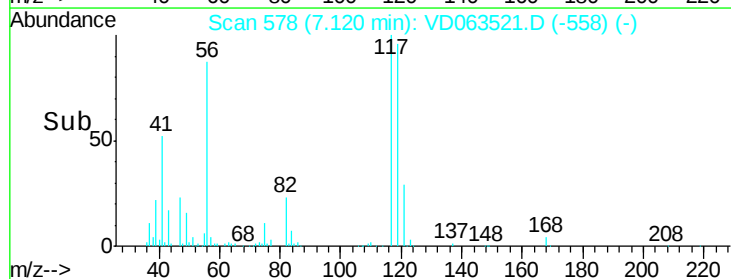
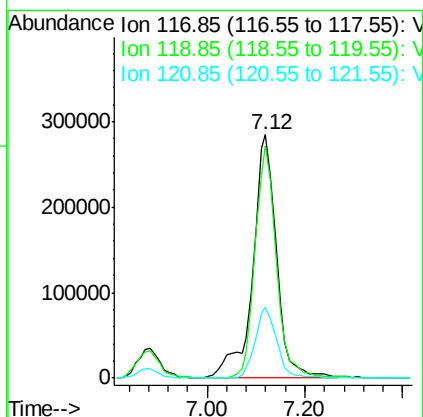
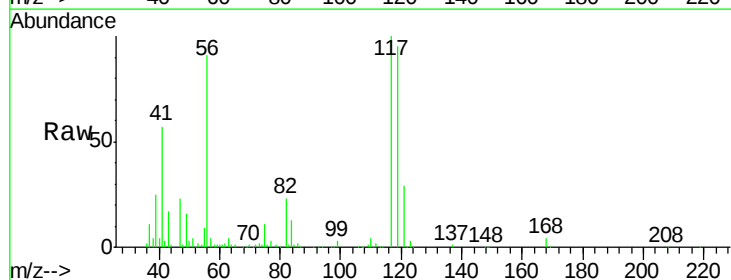
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 316574
Ion Ratio Lower Upper
43 100
61 14.1 9.0 13.6#
70 9.4 6.9 10.3



#38
Carbon Tetrachloride
Concen: 51.193 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

Tgt Ion: 117 Resp: 967558
Ion Ratio Lower Upper
117 100
119 95.5 74.2 111.2
121 29.3 23.1 34.7

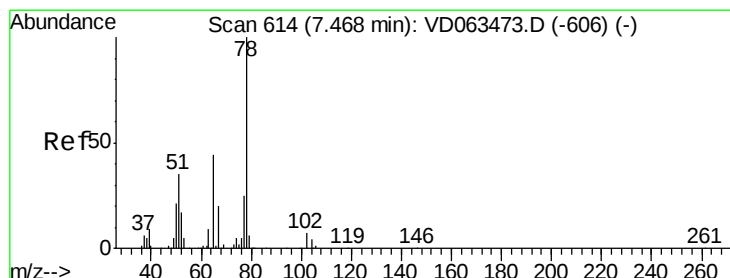
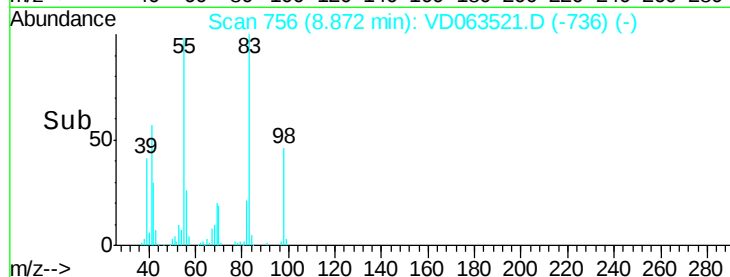
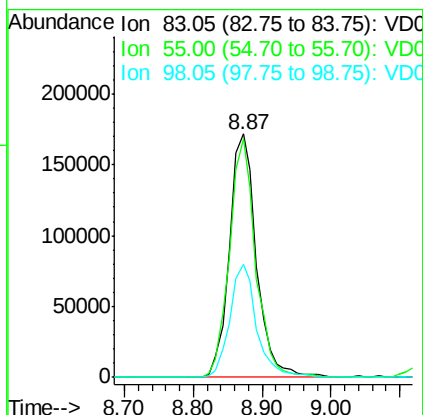
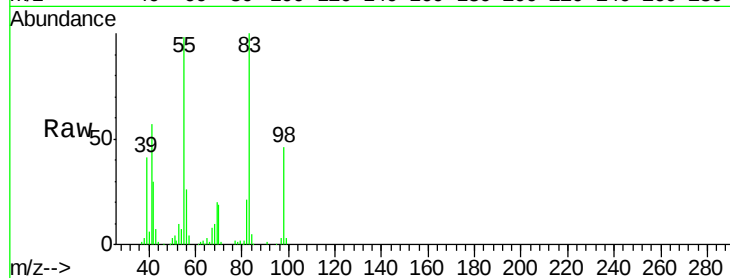




#39
Methvlcvclohexane
Concen: 43.745 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

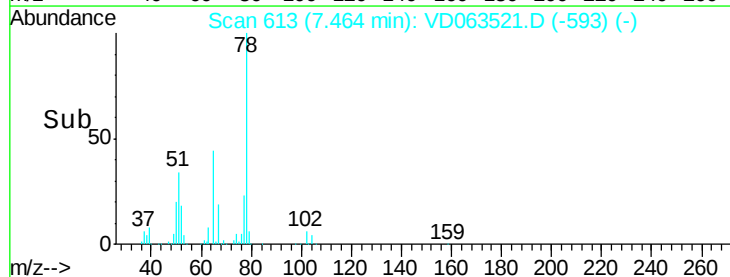
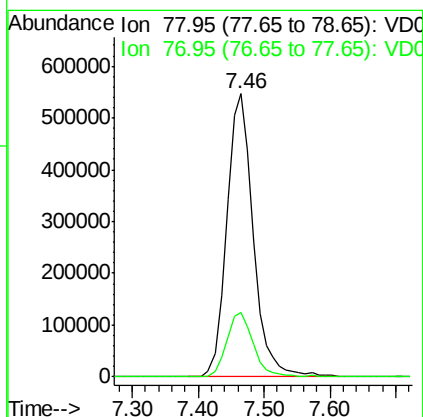
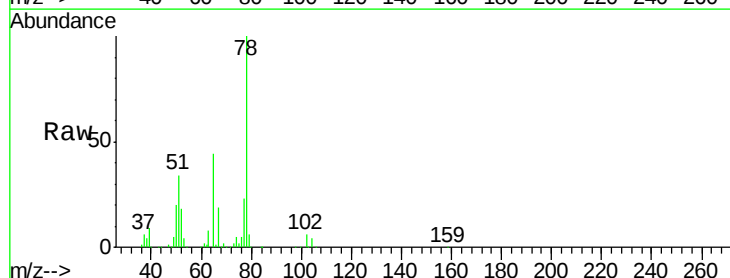
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

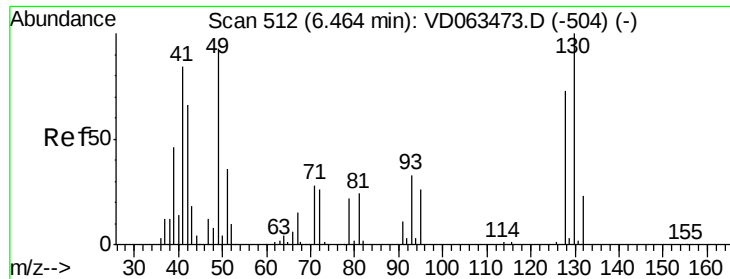
Tot Ion: 83 Resp: 466479
Ion Ratio Lower Upper
83 100
55 98.2 76.6 114.8
98 46.5 39.4 59.0



#40
Benzene
Concen: 55.811 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

Tgt Ion: 78 Resp: 1540226
Ion Ratio Lower Upper
78 100
77 22.8 20.1 30.1

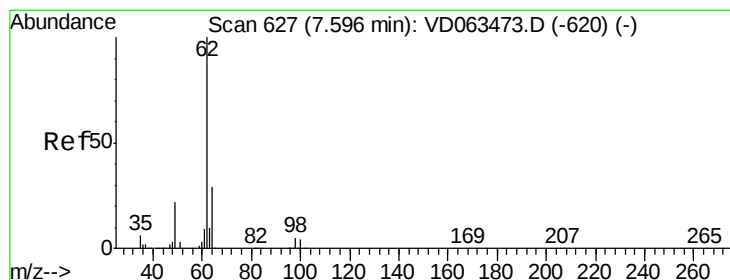
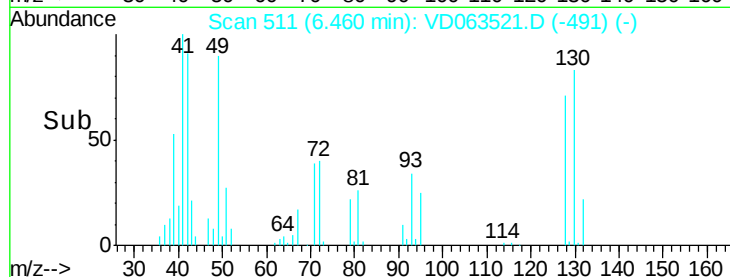
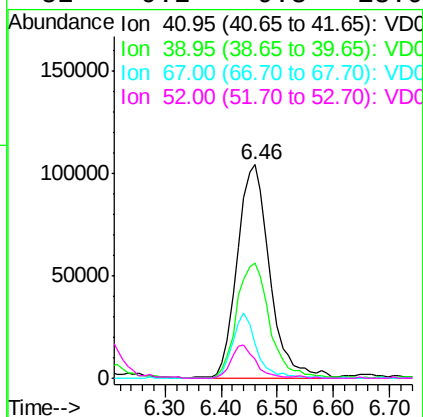
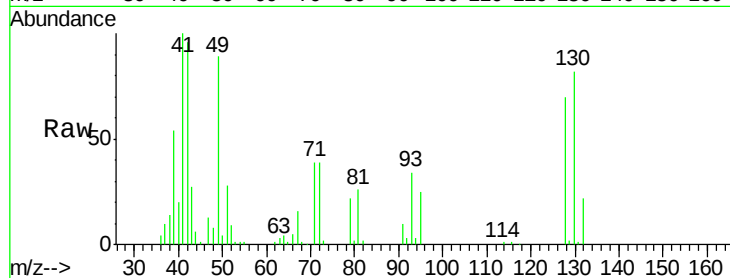




#41
Methacrylonitrile
Concen: 63.333 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

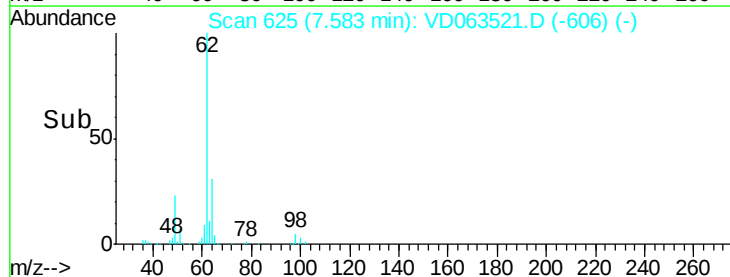
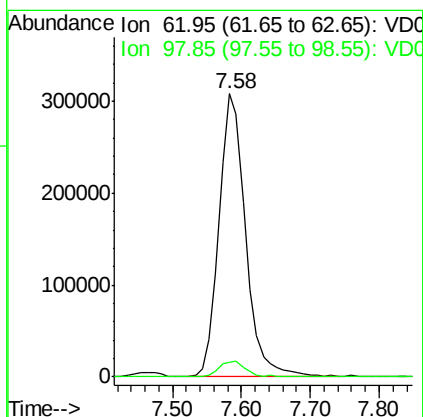
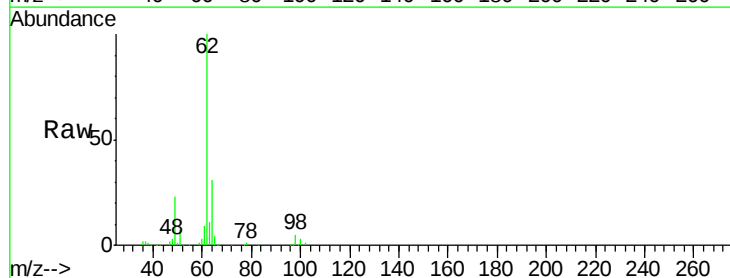
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

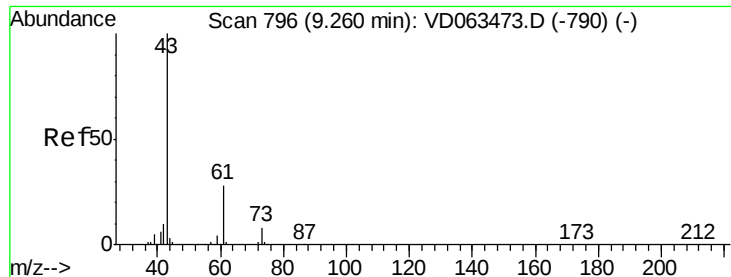
Tot Ion: 41 Resp: 419041
Ion Ratio Lower Upper
41 100
39 53.8 44.6 66.8
67 16.4 14.4 21.6
52 9.2 9.3 13.9#



#42
1,2-Dichloroethane
Concen: 59.614 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

Tgt Ion: 62 Resp: 827236
Ion Ratio Lower Upper
62 100
98 5.3 0.0 10.4



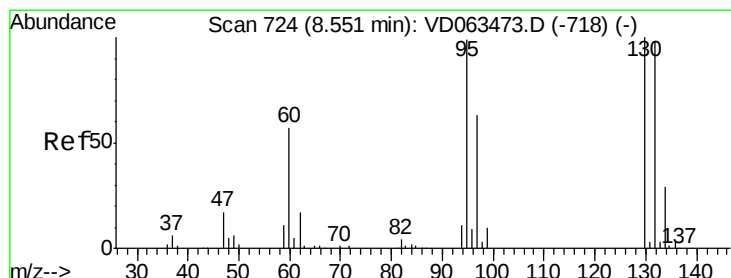
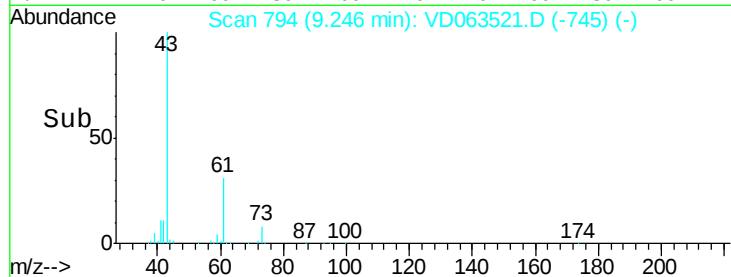
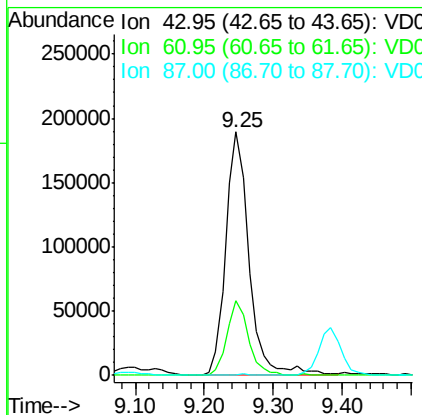
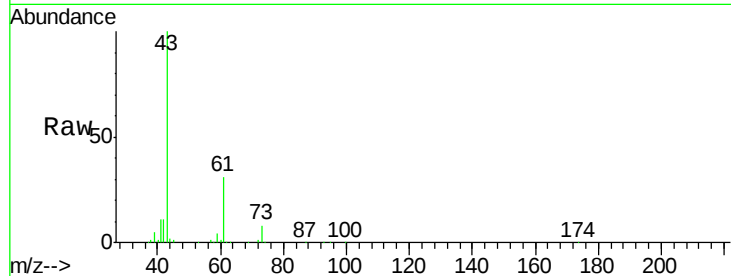


#43

Isopropyl Acetate
 Concen: 62.391 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

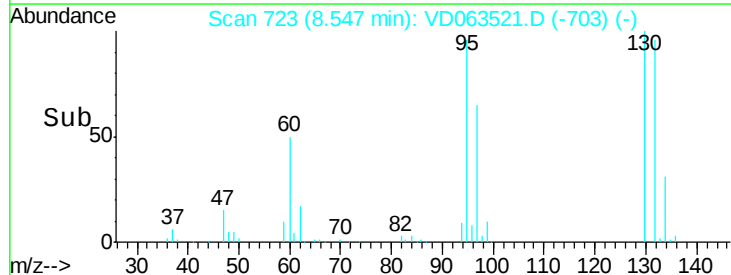
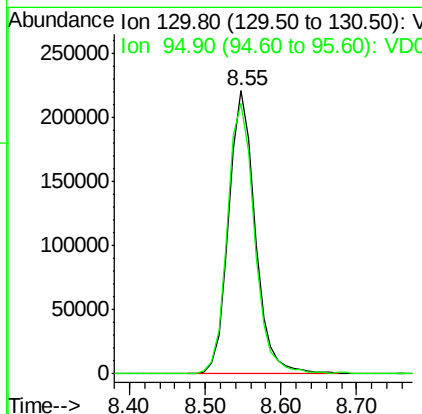
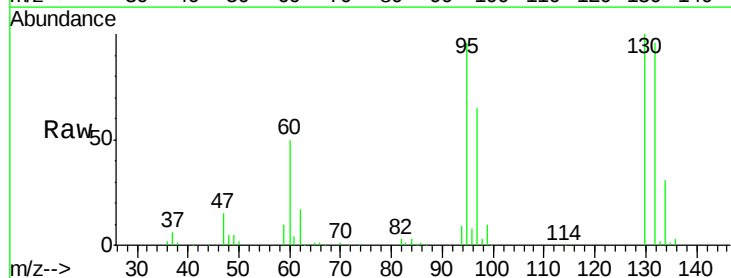
Tot Ion: 43 Resp: 439103
 Ion Ratio Lower Upper
 43 100
 61 30.6 22.2 33.2
 87 0.3 0.2 0.4

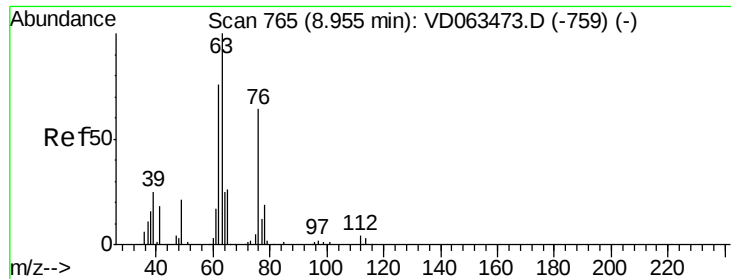


#44

Trichloroethene
 Concen: 50.734 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Tgt Ion: 130 Resp: 535161
 Ion Ratio Lower Upper
 130 100
 95 95.7 0.0 198.0





#45

1,2-Dichloropropane

Concen: 61.110 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

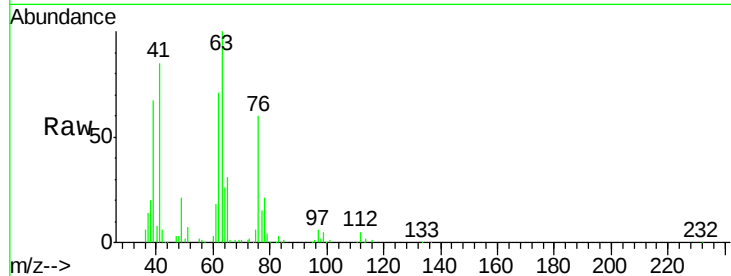
VSTDCCC050EC

Tot Ion: 63 Resp: 392735

Ion Ratio Lower Upper

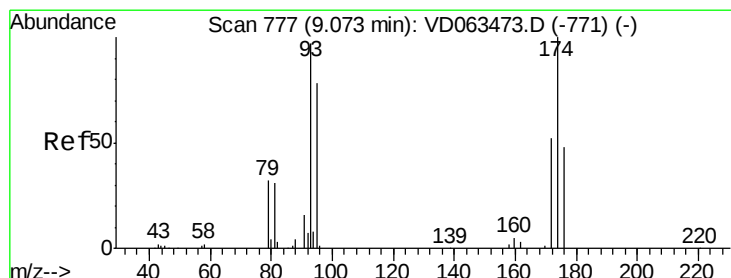
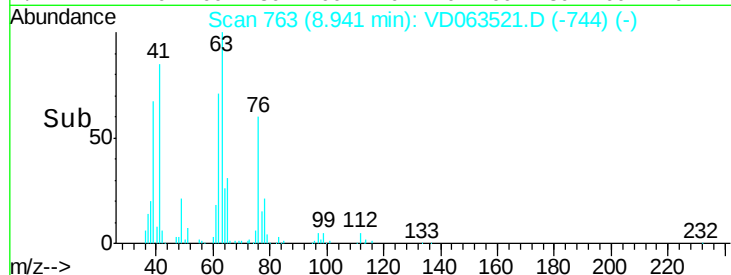
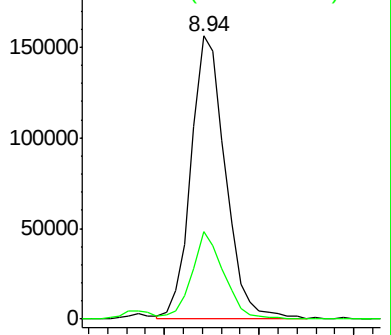
63 100

65 31.1 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 59.405 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

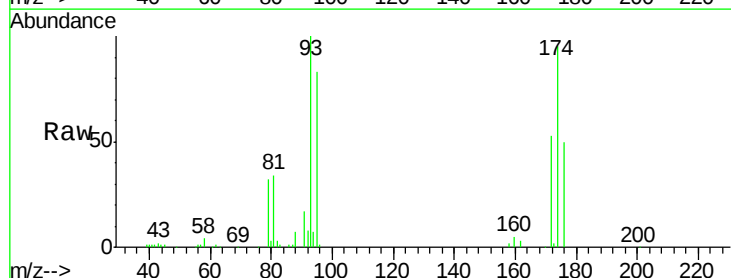
Tgt Ion: 93 Resp: 326034

Ion Ratio Lower Upper

93 100

95 83.2 64.2 96.2

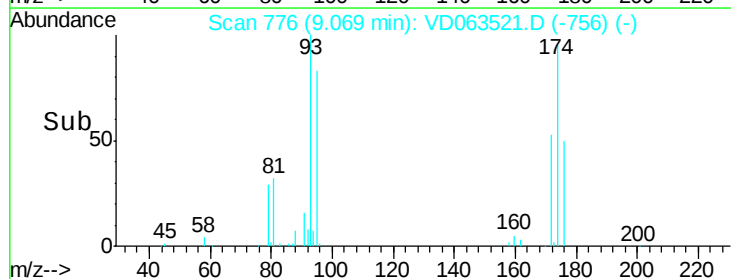
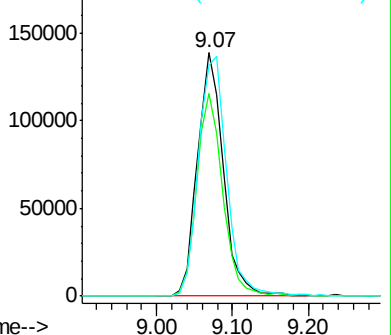
174 94.8 82.1 123.1

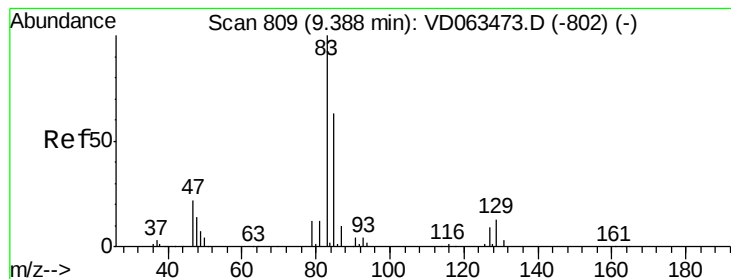


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 59.815 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

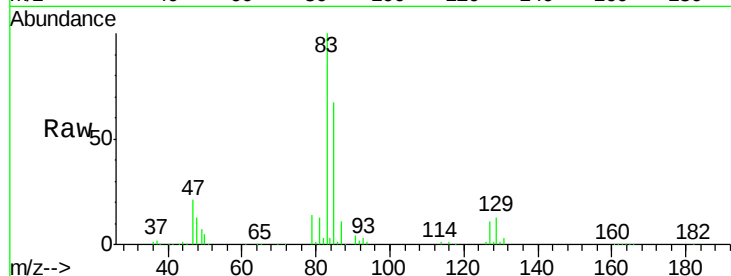
Tot Ion: 83 Resp: 842084

Ion Ratio Lower Upper

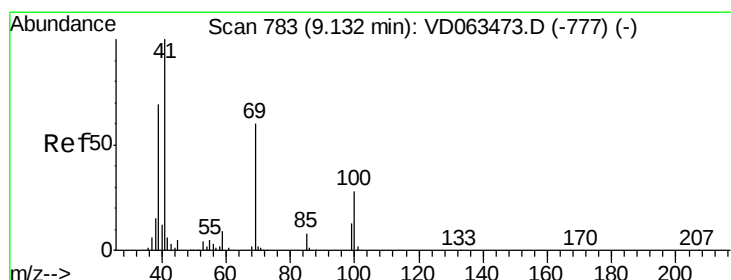
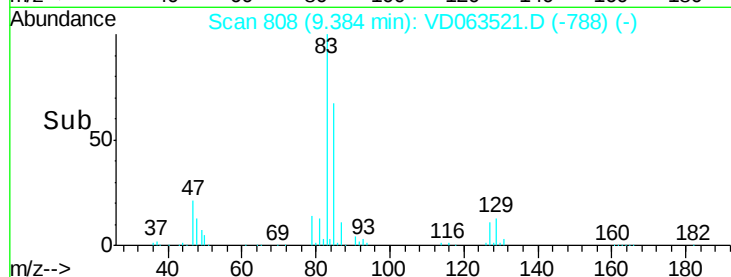
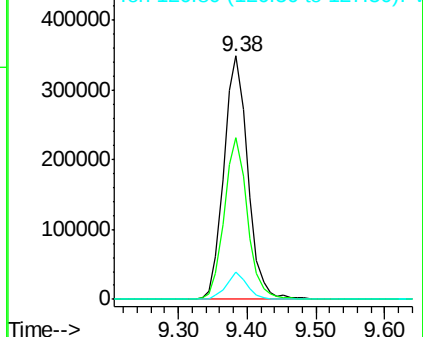
83 100

85 66.6 50.1 75.1

127 11.0 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): V



#48

Methyl methacrylate

Concen: 59.501 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

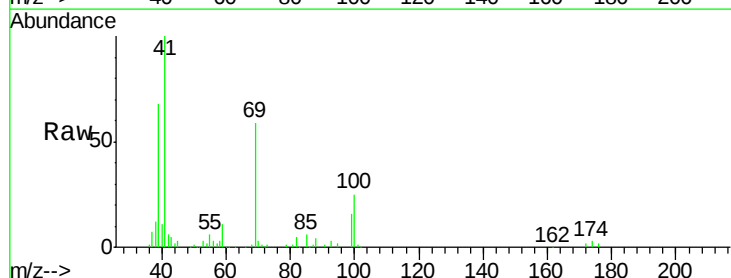
Tgt Ion: 41 Resp: 283995

Ion Ratio Lower Upper

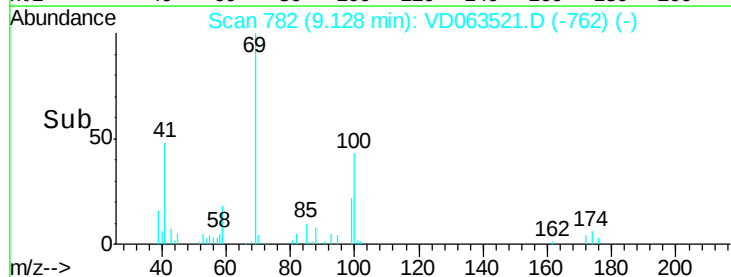
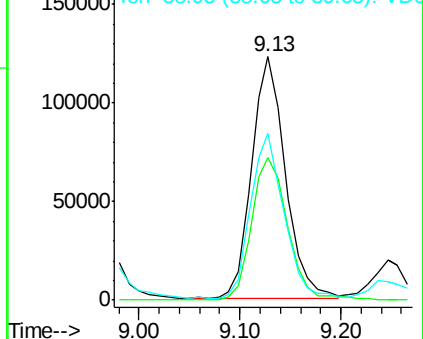
41 100

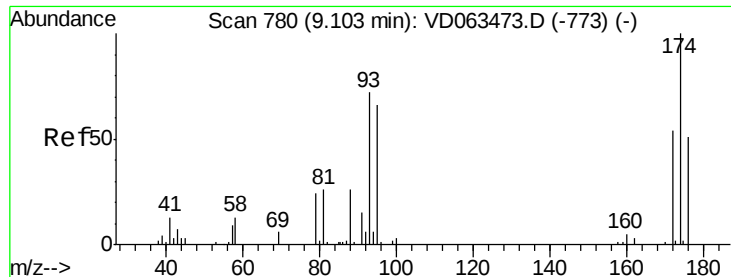
69 58.6 47.6 71.4

39 68.3 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

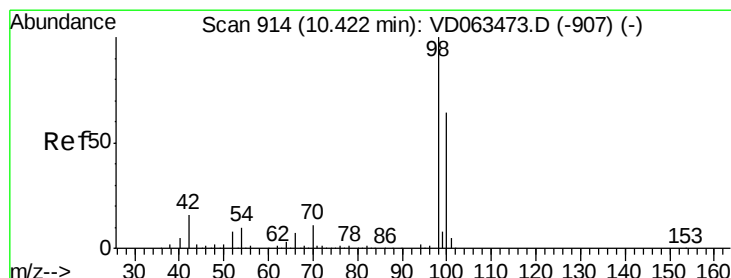
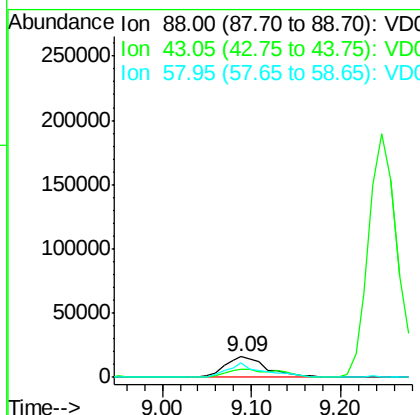
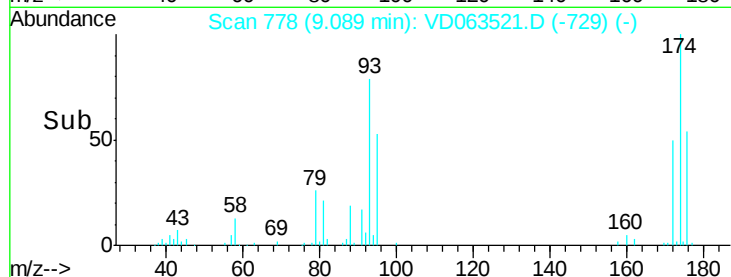
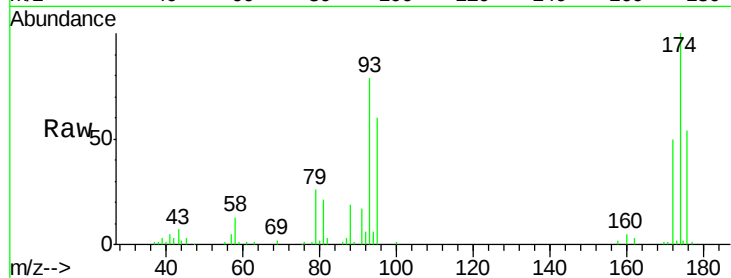




#49
1,4-Dioxane
Concen: 1241.035 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

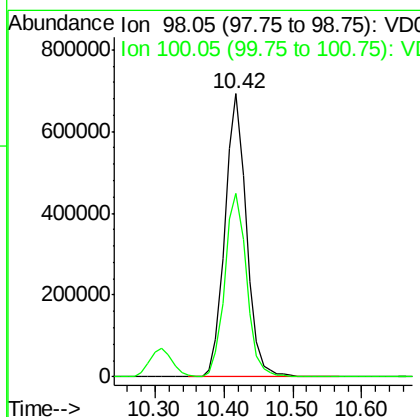
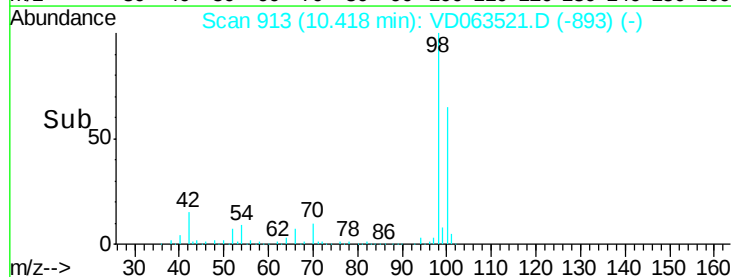
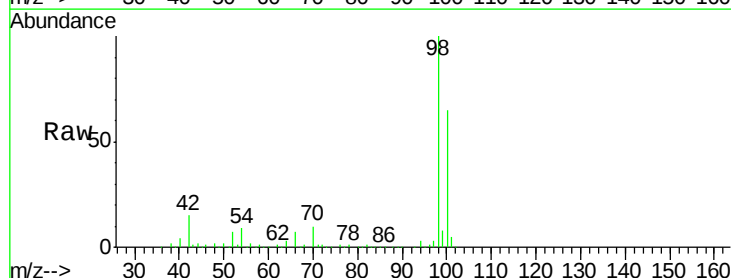
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

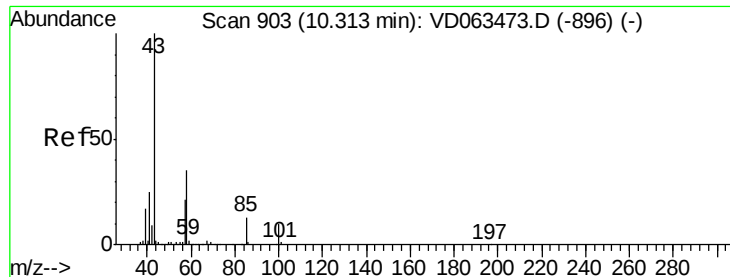
Tot Ion: 88 Resp: 53156
Ion Ratio Lower Upper
88 100
43 38.1 22.9 34.3#
58 71.4 40.1 60.1#



#50
Toluene-d8
Concen: 56.921 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

Tgt Ion: 98 Resp: 1495126
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5

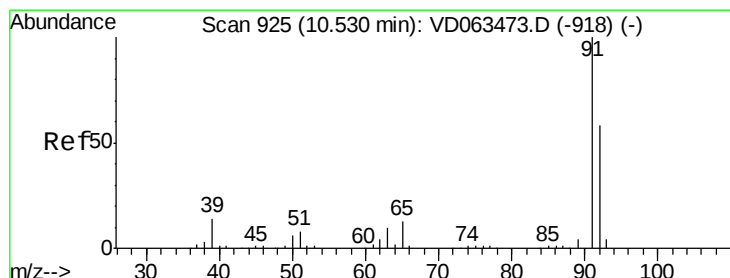
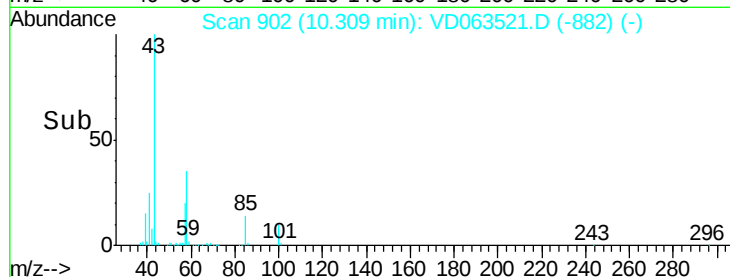
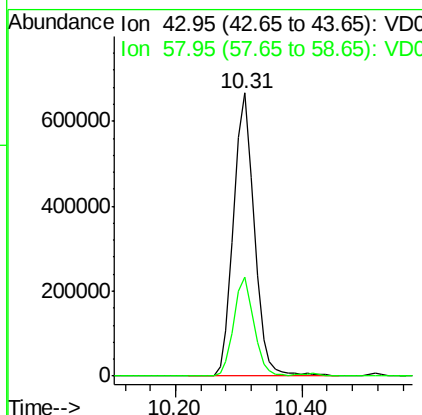
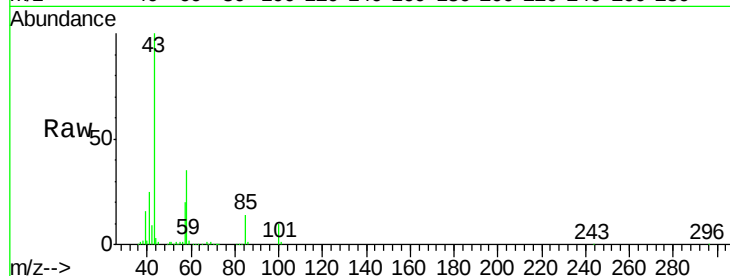




#51
 4-Methyl-2-Pentanone
 Concen: 314.827 ug/l
 RT: 10.31 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

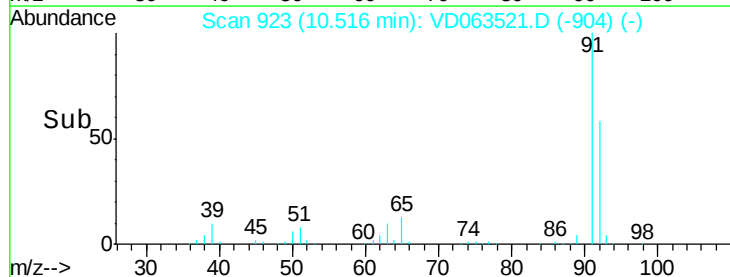
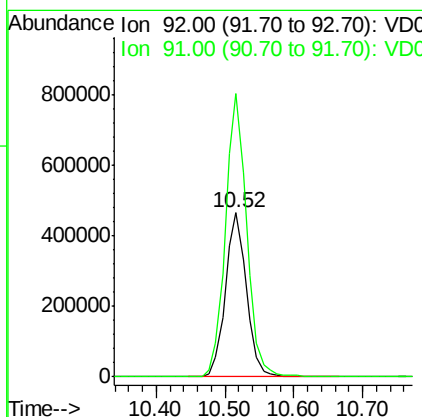
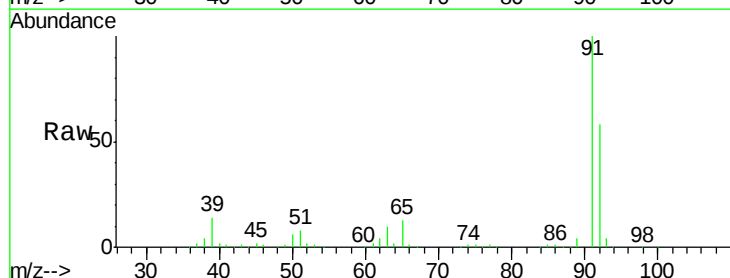
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

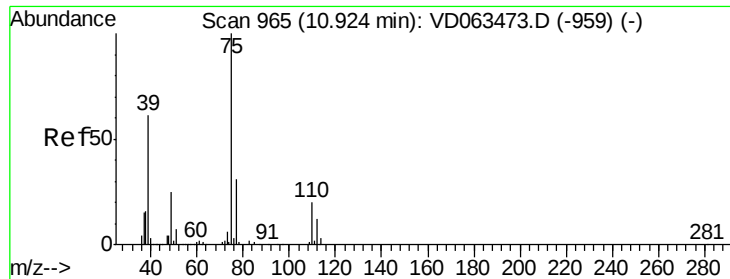
Tot Ion: 43 Resp: 1516168
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.0 42.0



#52
 Toluene
 Concen: 55.428 ug/l
 RT: 10.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Tgt Ion: 92 Resp: 985250
 Ion Ratio Lower Upper
 92 100
 91 172.3 137.9 206.9

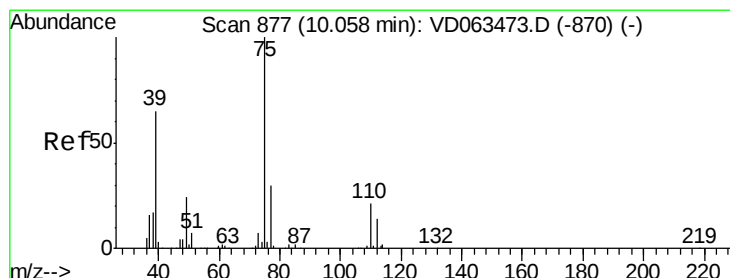
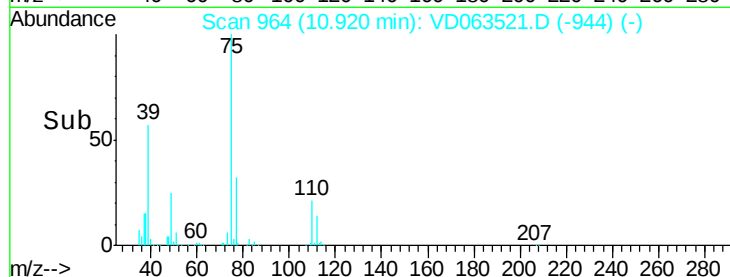
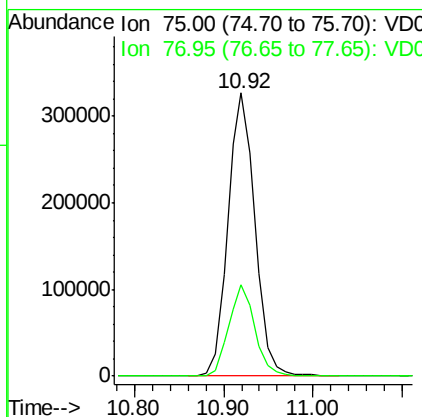
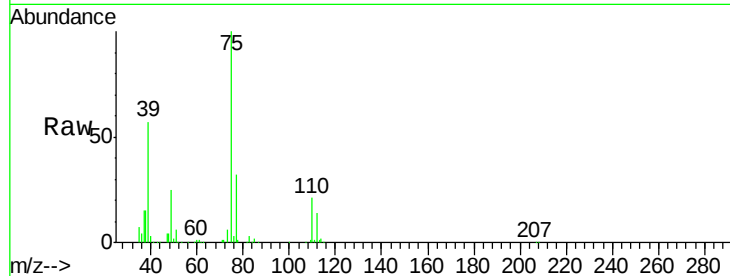




#53
 t-1,3-Dichloropropene
 Concen: 60.418 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

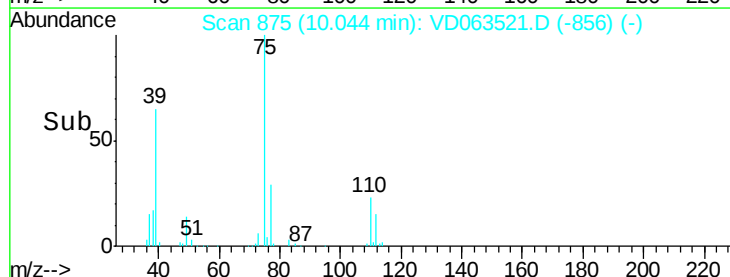
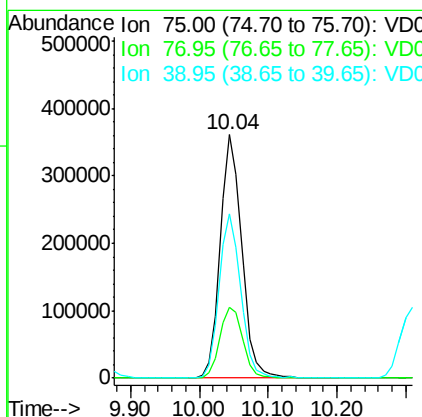
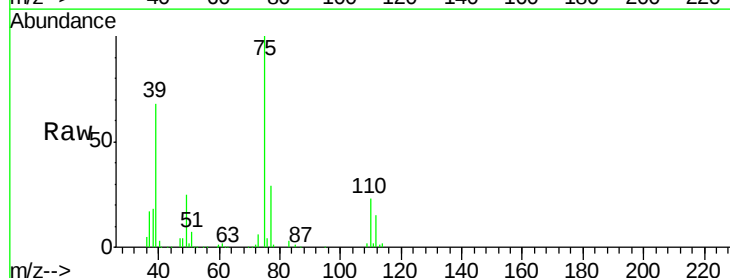
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

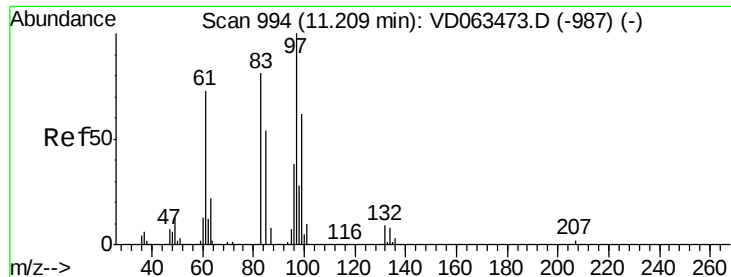
Tot Ion: 75 Resp: 694149
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 60.487 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Tgt Ion: 75 Resp: 783596
 Ion Ratio Lower Upper
 75 100
 77 29.0 23.7 35.5
 39 67.6 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 62.110 ug/l

RT: 11.20 min Scan# 992

Delta R.T. -0.01 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 372935

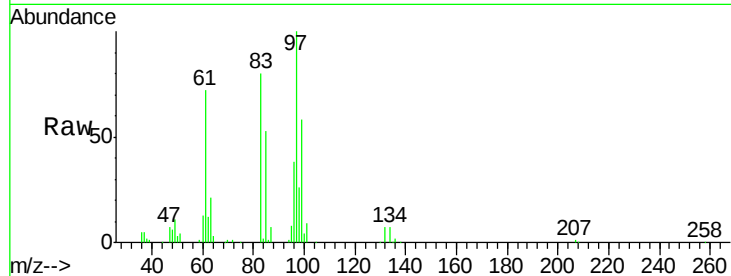
Ion Ratio Lower Upper

97 100

83 79.7 64.7 97.1

85 52.8 42.9 64.3

99 58.1 49.7 74.5

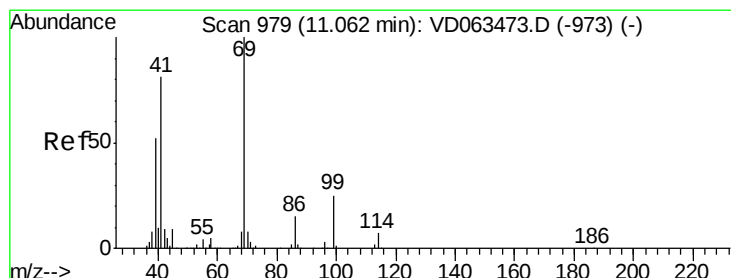
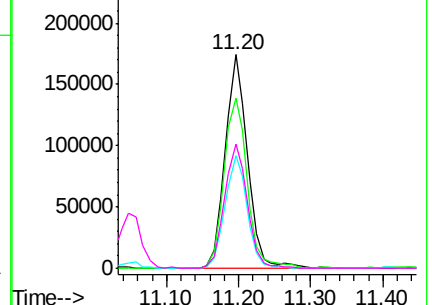
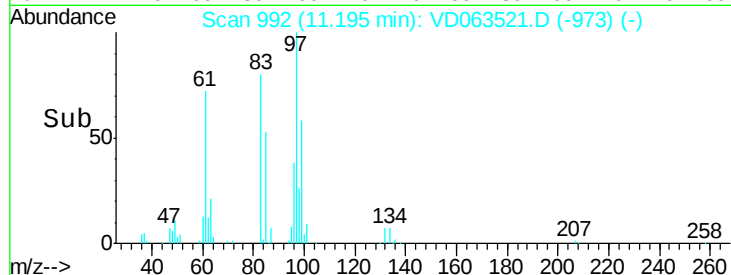


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 66.006 ug/l

RT: 11.05 min Scan# 977

Delta R.T. -0.01 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

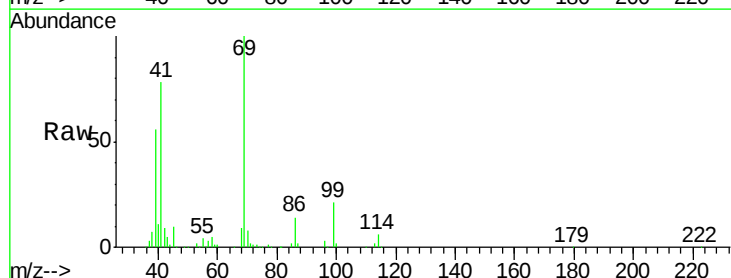
Tgt Ion: 69 Resp: 430173

Ion Ratio Lower Upper

69 100

41 78.4 64.8 97.2

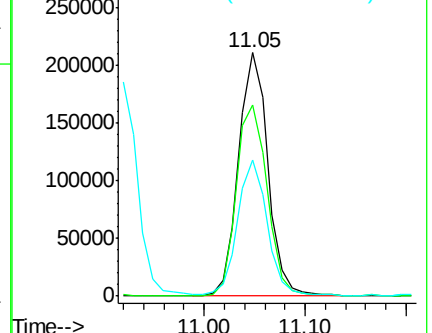
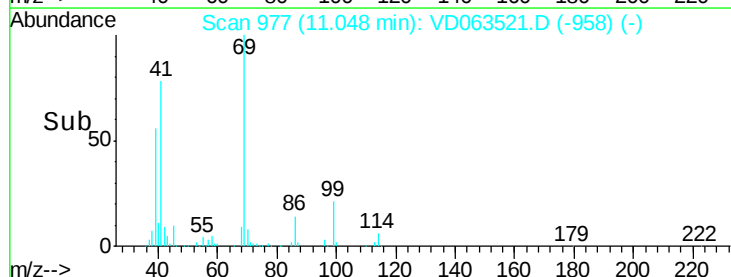
39 56.1 42.4 63.6

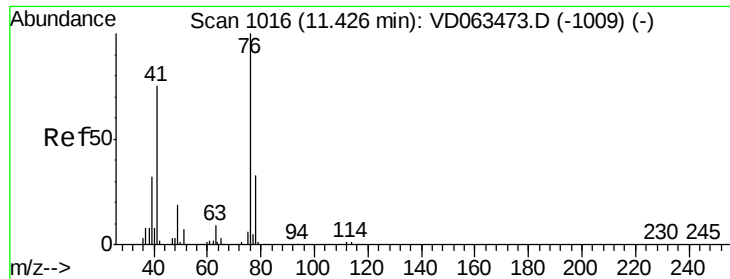


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

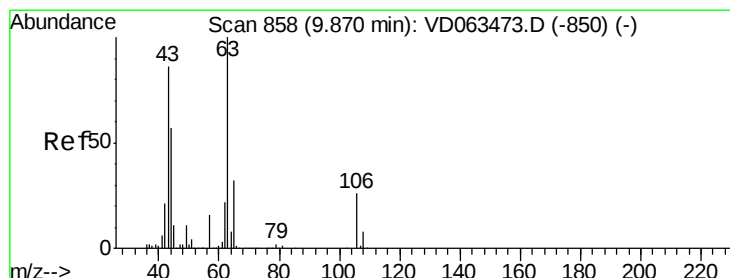
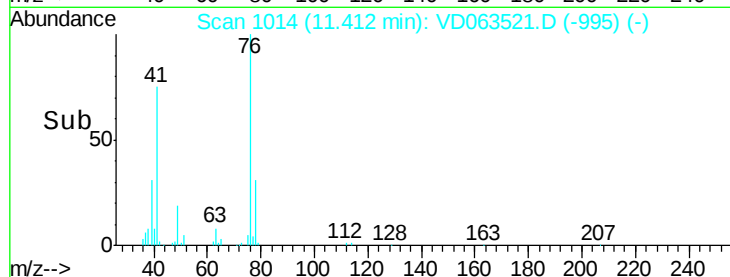
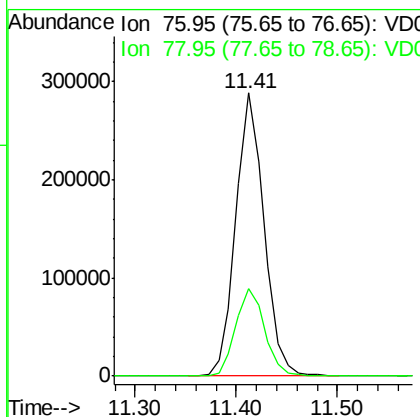
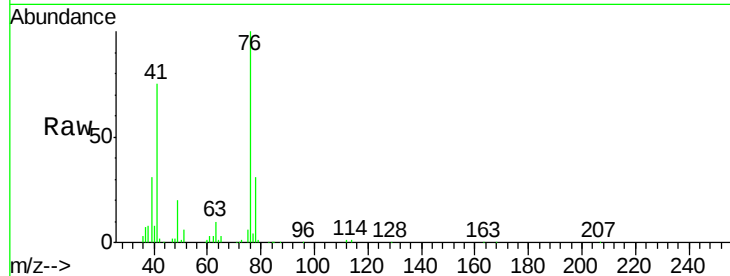




#57
 1,3-Dichloropropane
 Concen: 61.909 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

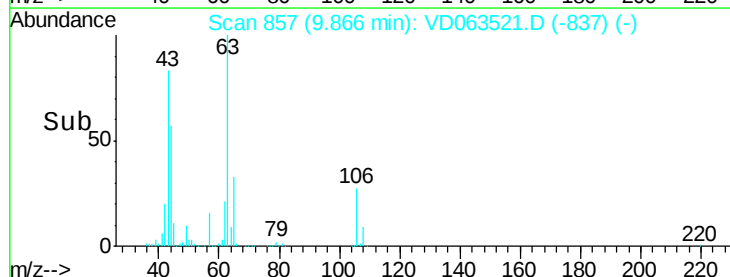
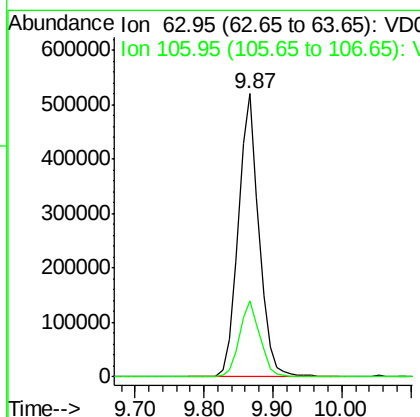
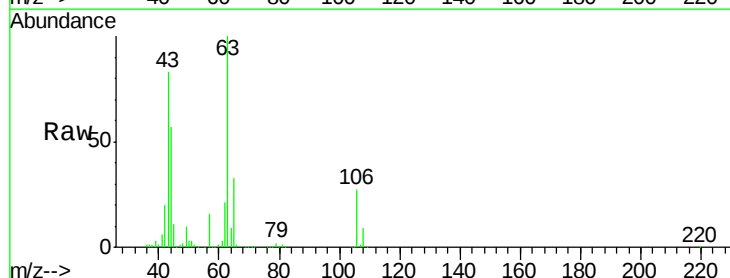
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

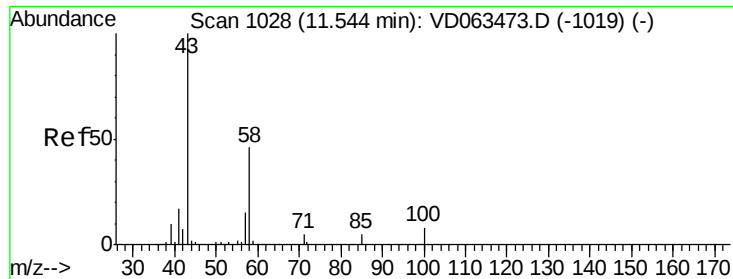
Tot Ion: 76 Resp: 561892
 Ion Ratio Lower Upper
 76 100
 78 31.0 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 312.622 ug/l
 RT: 9.87 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Tgt Ion: 63 Resp: 1075614
 Ion Ratio Lower Upper
 63 100
 106 26.8 20.8 31.2

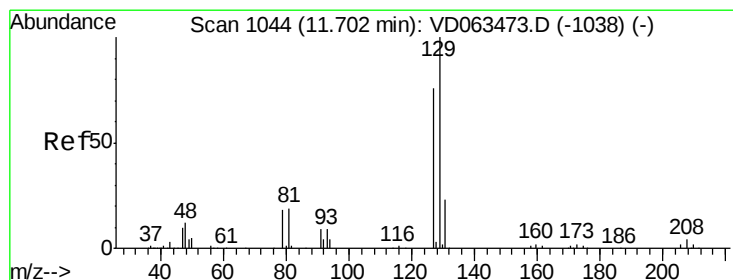
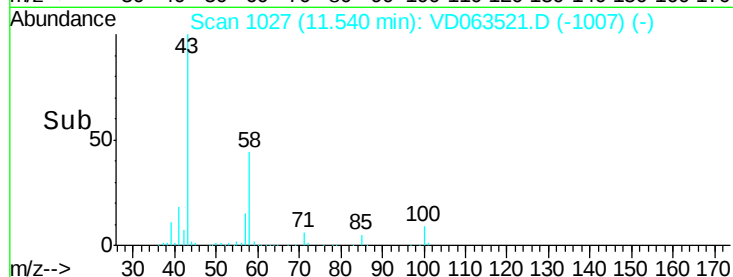
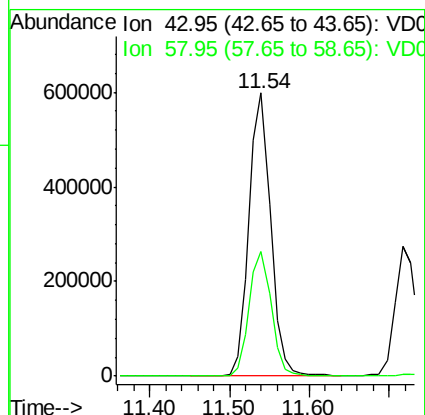
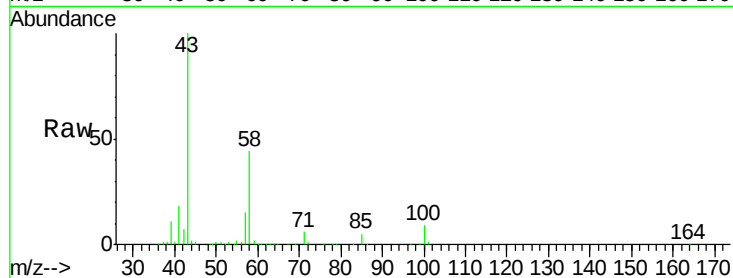




#59
2-Hexanone
Concen: 320.052 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

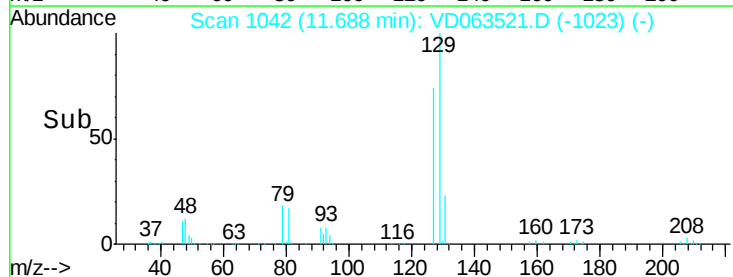
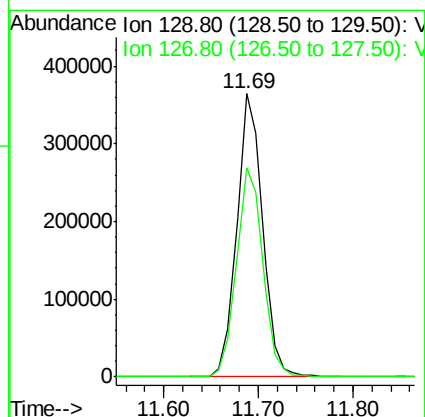
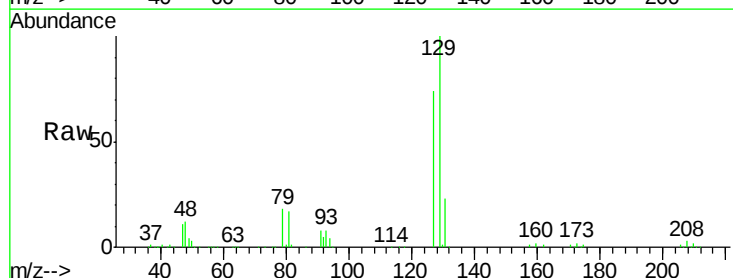
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

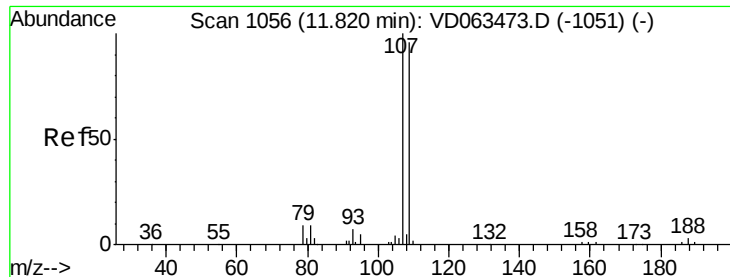
Tot Ion: 43 Resp: 1121514
Ion Ratio Lower Upper
43 100
58 44.2 23.1 69.2



#60
Dibromochloromethane
Concen: 62.715 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

Tgt Ion: 129 Resp: 685221
Ion Ratio Lower Upper
129 100
127 74.0 37.8 113.4

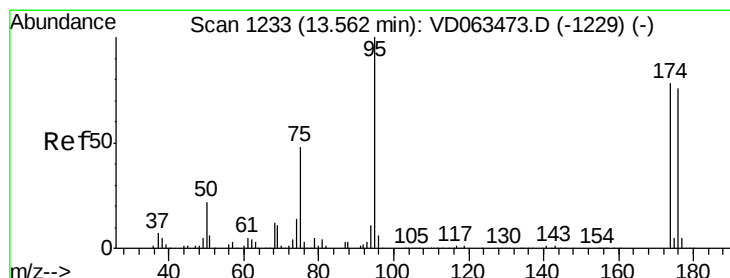
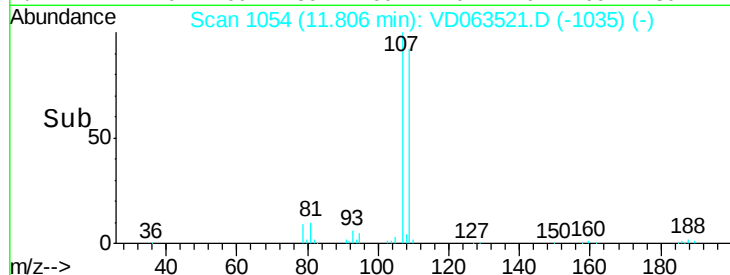
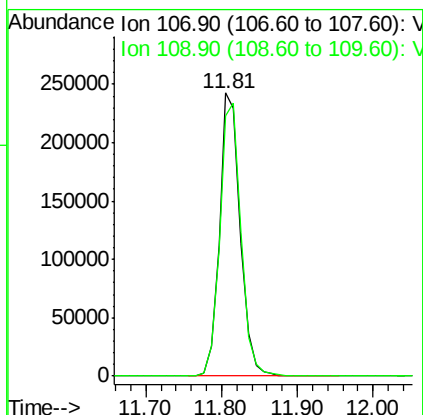
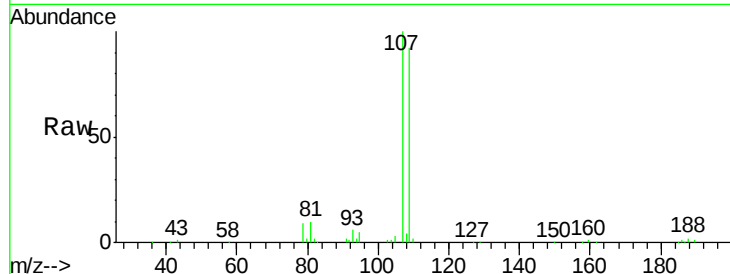




#61
 1,2-Dibromoethane
 Concen: 63.878 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

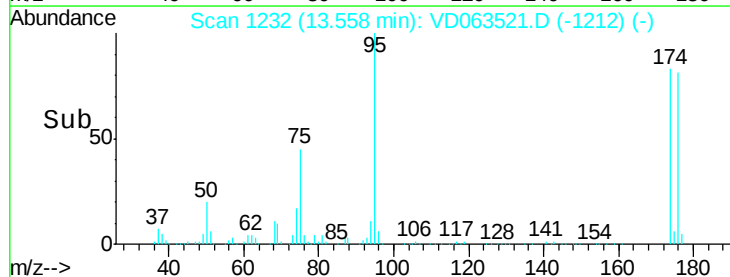
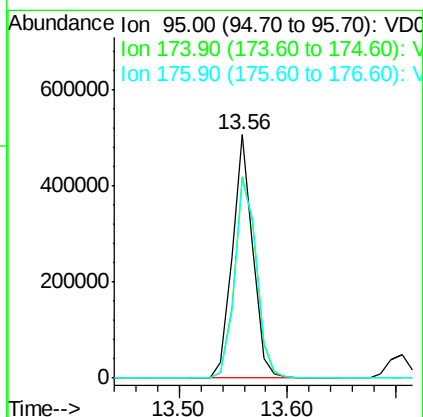
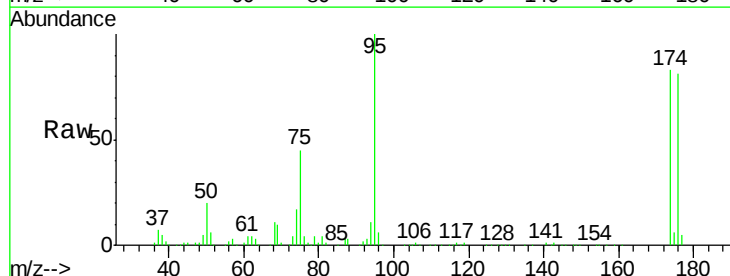
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 464315
 Ion Ratio Lower Upper
 107 100
 109 91.8 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 55.642 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Tgt Ion: 95 Resp: 662426
 Ion Ratio Lower Upper
 95 100
 174 82.9 0.0 155.4
 176 81.4 0.0 152.4

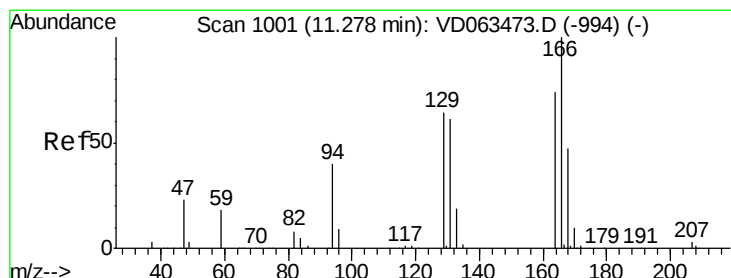
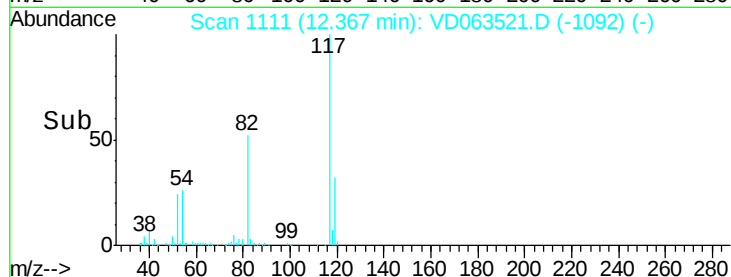
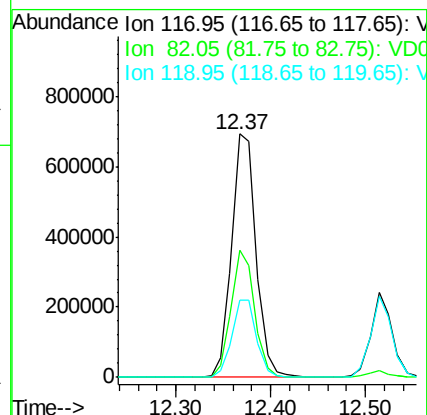
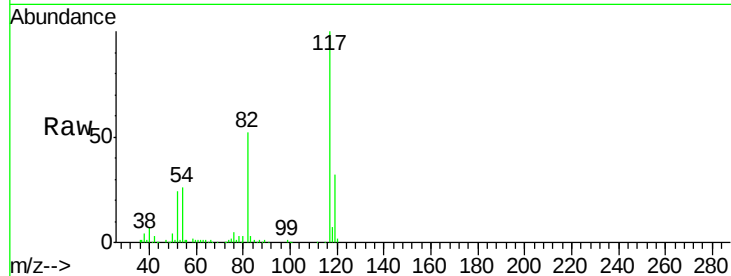




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

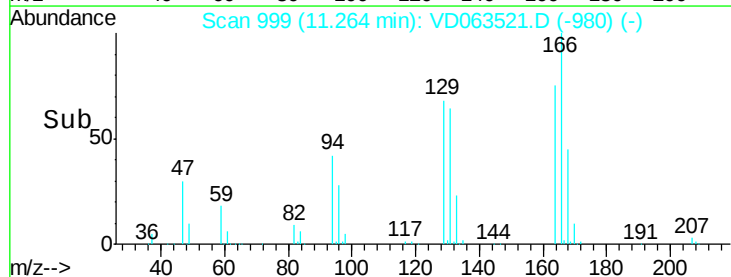
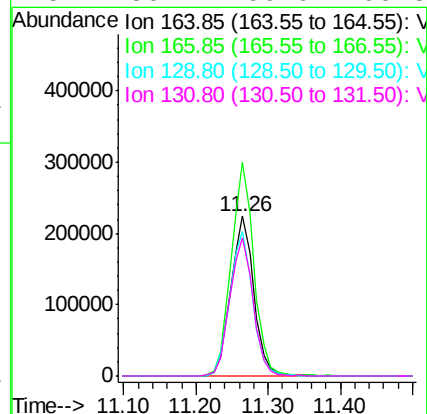
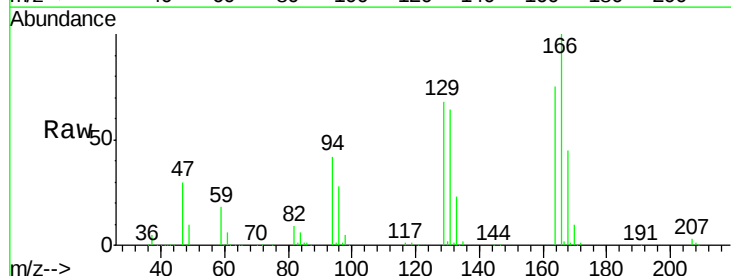
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

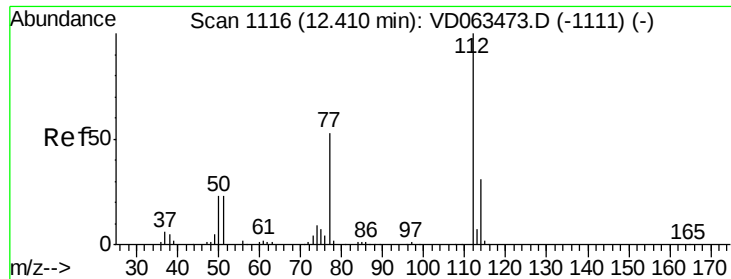
Tot Ion:117 Resp: 1241051
Ion Ratio Lower Upper
117 100
82 52.1 42.0 63.0
119 31.5 25.4 38.0



#64
Tetrachloroethene
Concen: 51.591 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

Tgt Ion:164 Resp: 494270
Ion Ratio Lower Upper
164 100
166 133.7 108.6 163.0
129 90.5 69.0 103.6
131 86.2 66.6 99.8

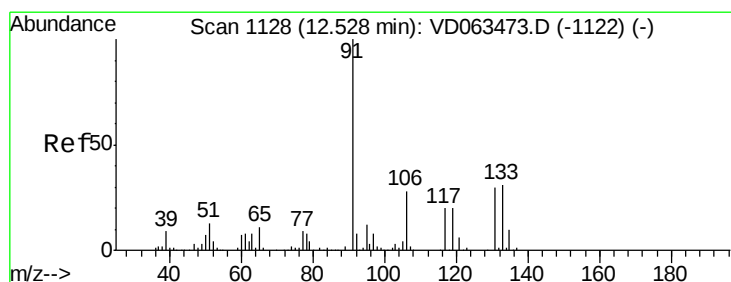
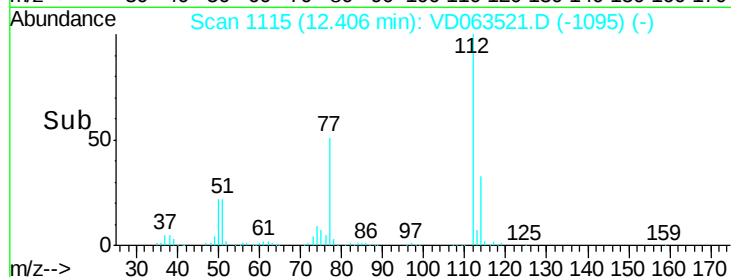
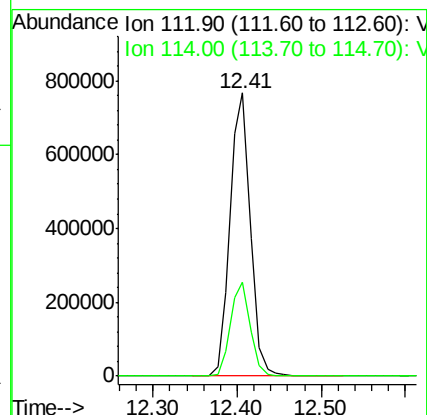
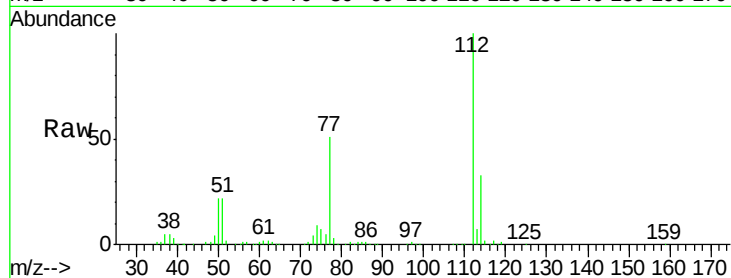




#65
Chlorobenzene
Concen: 54.940 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

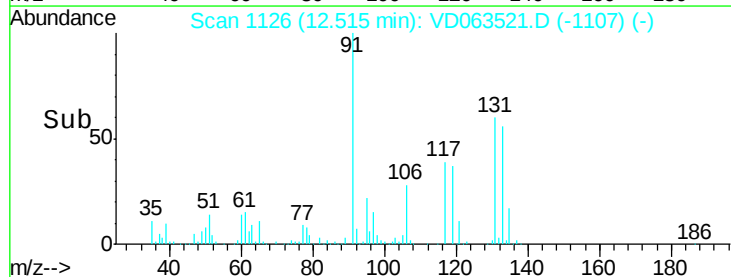
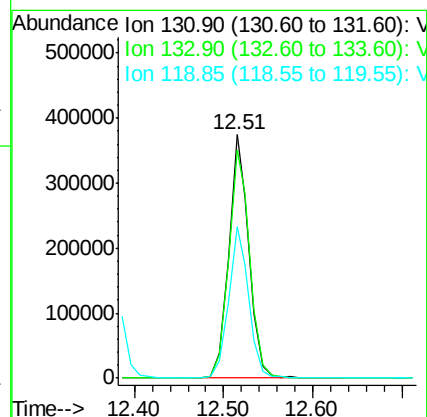
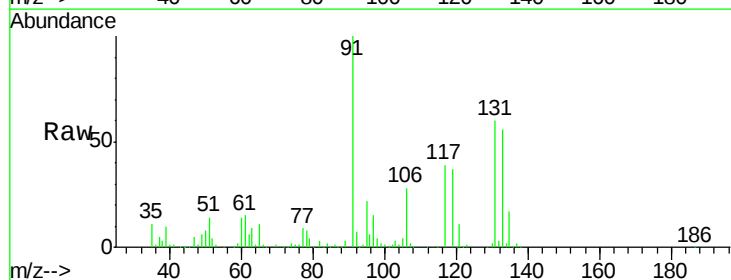
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

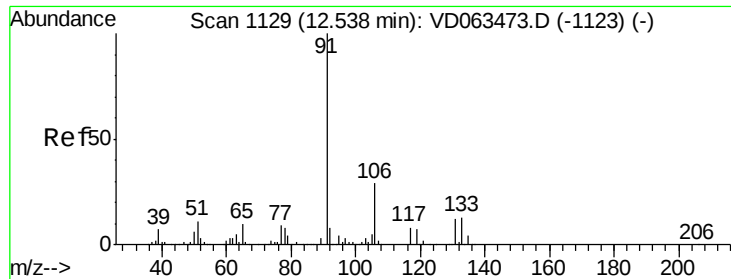
Tot Ion:112 Resp: 1277913
Ion Ratio Lower Upper
112 100
114 33.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 57.854 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

Tgt Ion:131 Resp: 592241
Ion Ratio Lower Upper
131 100
133 93.6 51.1 153.3
119 62.1 33.1 99.3

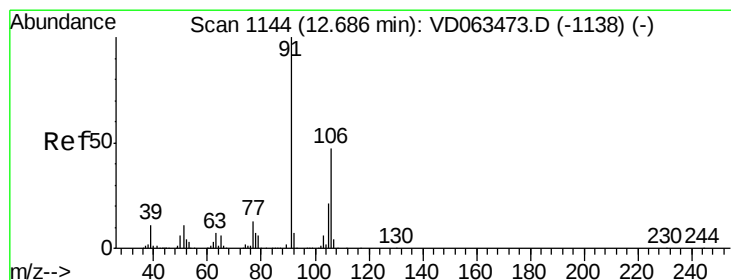
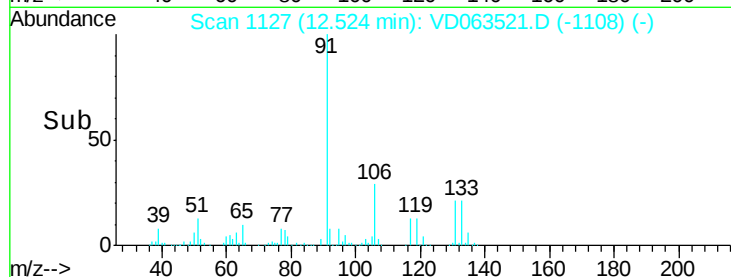
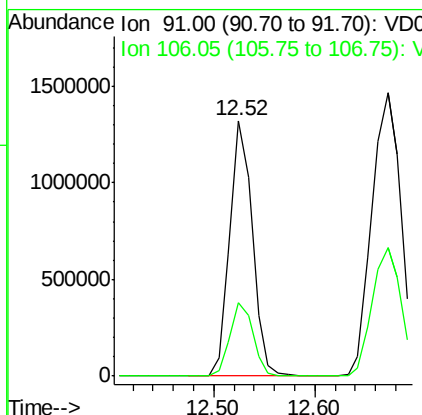
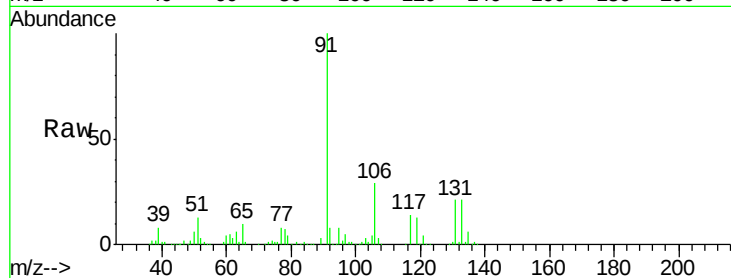




#67
Ethyl Benzene
Concen: 51.018 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

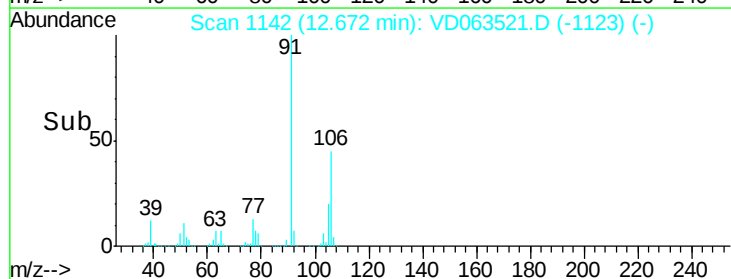
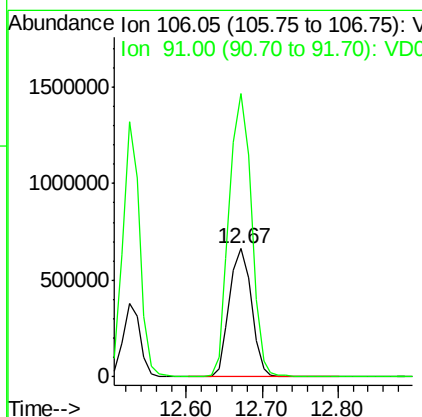
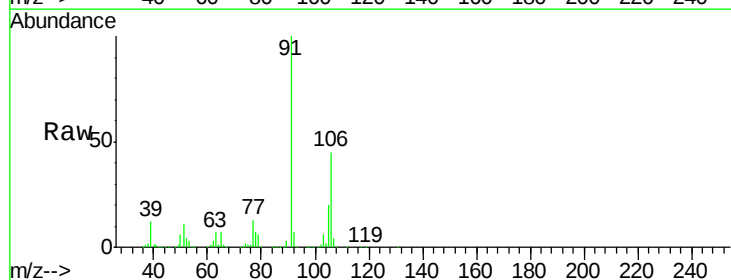
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

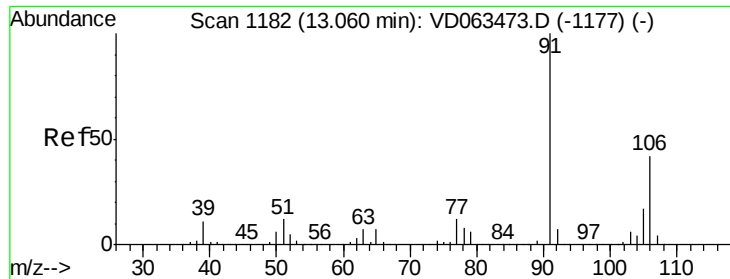
Tot Ion: 91 Resp: 2063379
Ion Ratio Lower Upper
91 100
106 28.8 23.1 34.7



#68
m/p-Xylenes
Concen: 94.559 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

Tgt Ion: 106 Resp: 1343605
Ion Ratio Lower Upper
106 100
91 220.9 171.8 257.8

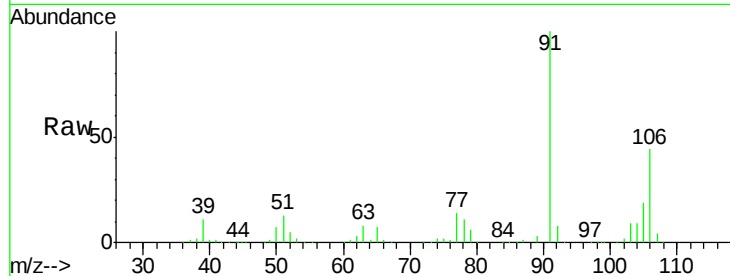




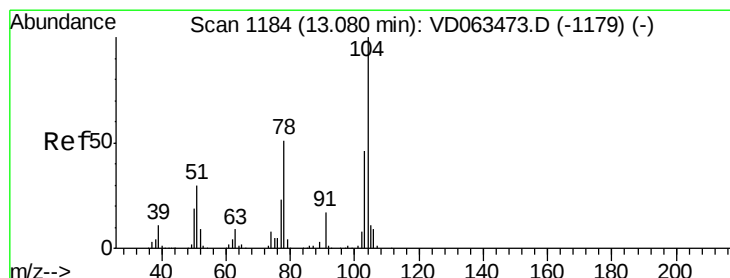
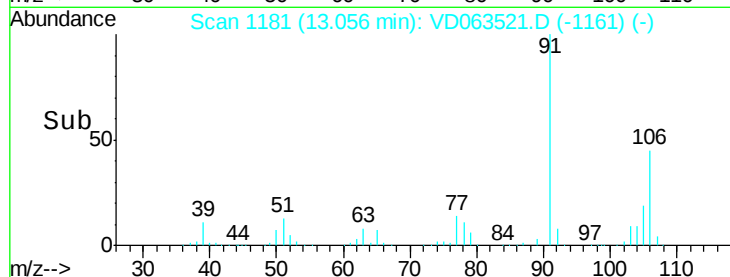
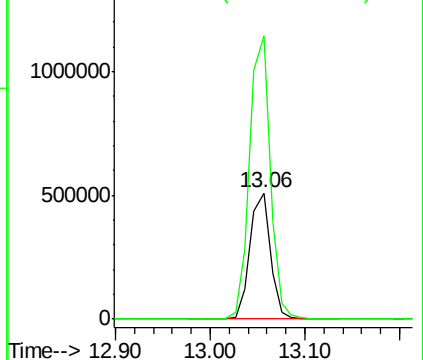
#69
o-Xylene
Concen: 56.126 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 767565
Ion Ratio Lower Upper
106 100
91 224.8 118.1 354.2

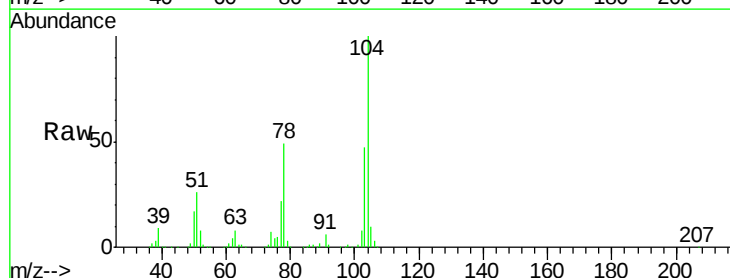


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

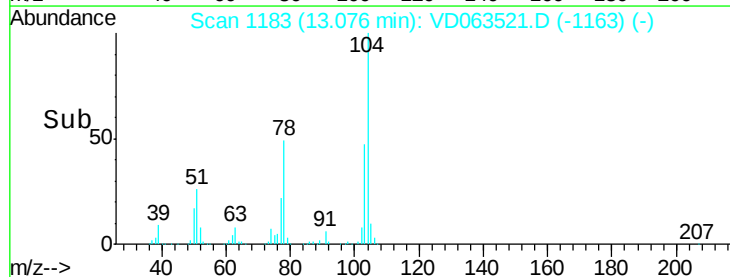
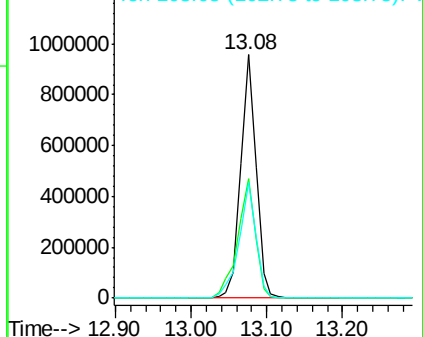


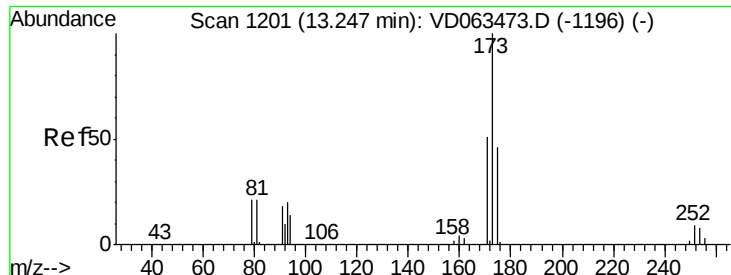
#70
Styrene
Concen: 54.811 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

Tgt Ion:104 Resp: 1333346
Ion Ratio Lower Upper
104 100
78 49.1 40.8 61.2
103 47.5 36.4 54.6



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





#71

Bromoform

Concen: 60.883 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

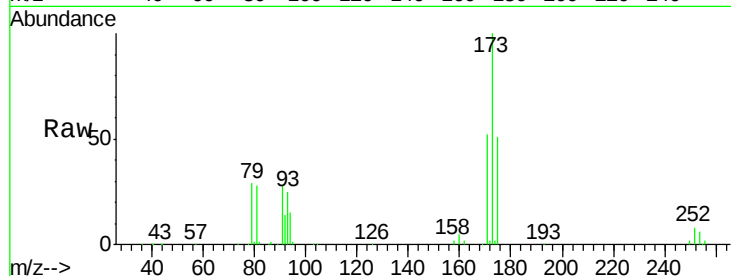
Tot Ion:173 Resp: 427356

Ion Ratio Lower Upper

173 100

175 50.8 22.8 68.3

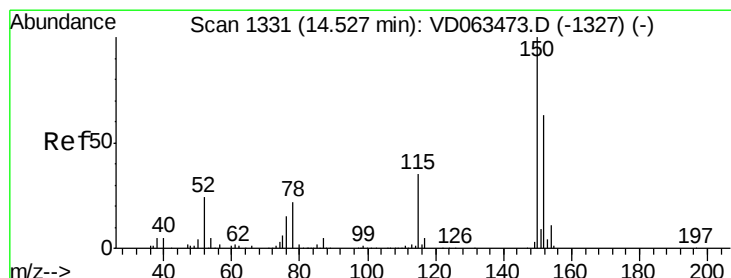
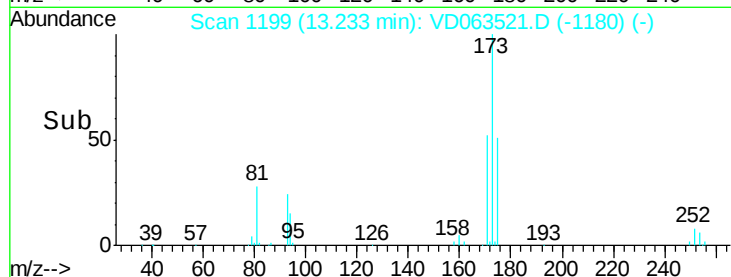
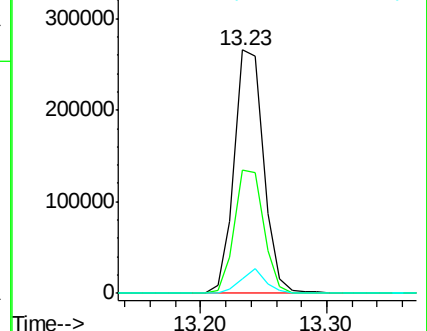
254 6.0 6.6 9.8#



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. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

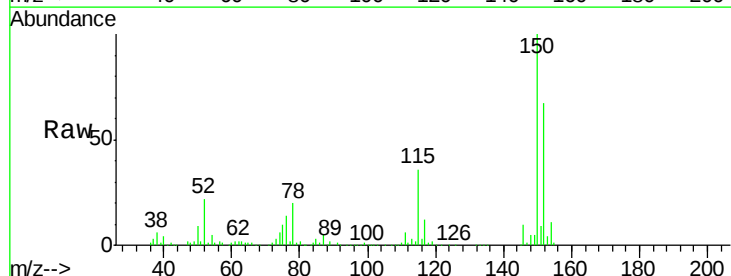
Tgt Ion:152 Resp: 658015

Ion Ratio Lower Upper

152 100

115 53.1 30.9 92.7

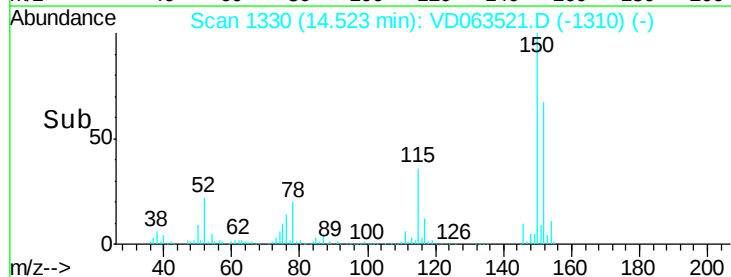
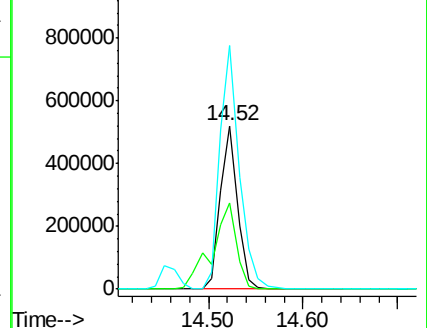
150 149.1 0.0 318.6

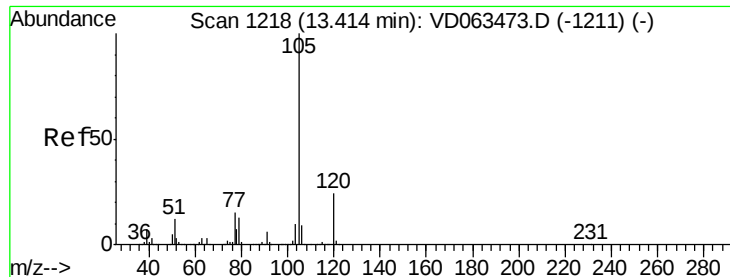


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.595 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

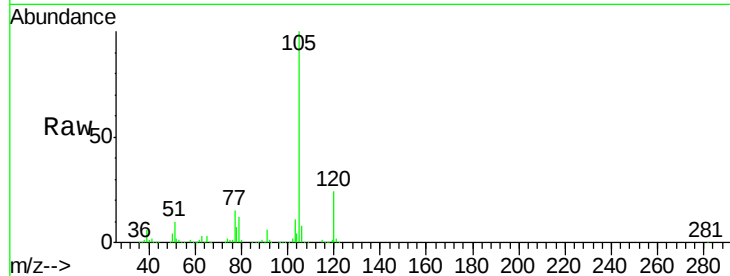
VSTDCCC050EC

Tot Ion:105 Resp: 1908306

Ion Ratio Lower Upper

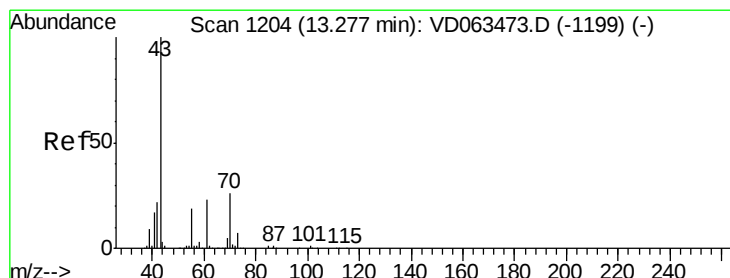
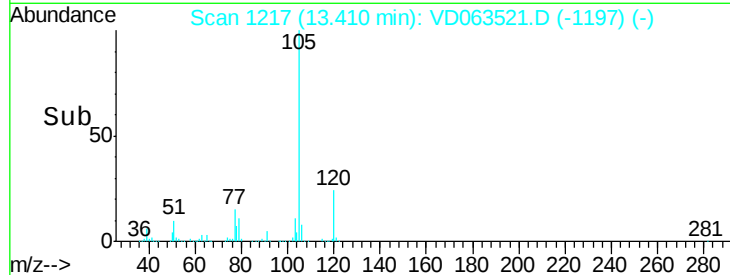
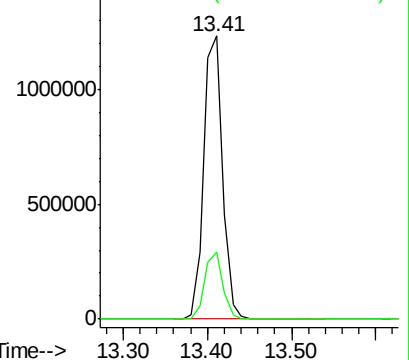
105 100

120 23.9 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: 58.882 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Tgt Ion: 43 Resp: 618640

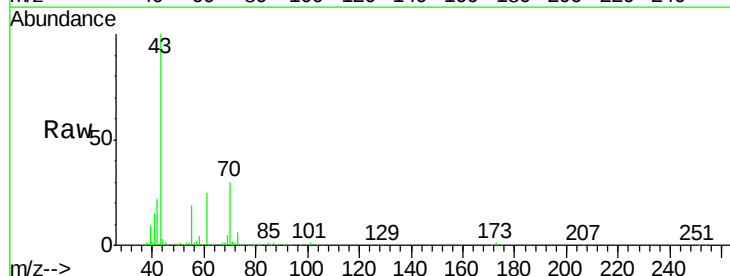
Ion Ratio Lower Upper

43 100

70 30.0 21.1 31.7

55 19.1 15.4 23.0

61 24.5 18.2 27.2

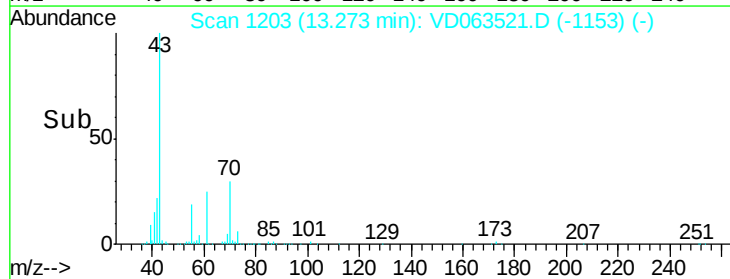
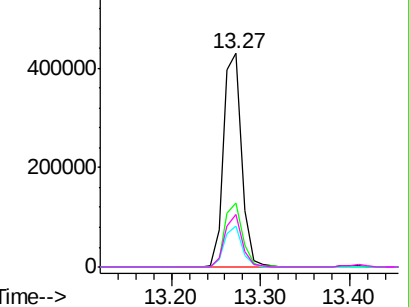


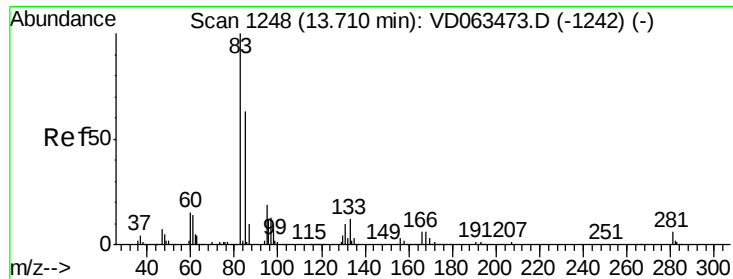
Abundance Ion 42.95 (42.65 to 43.65): V

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: 57.075 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

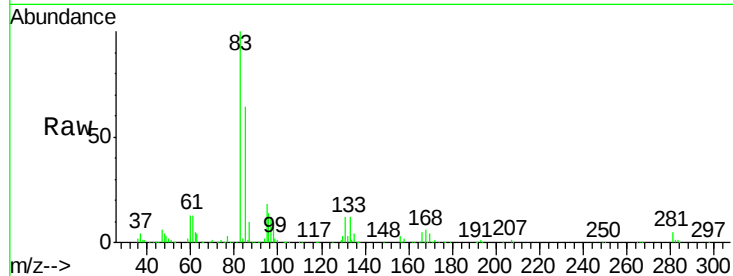
Tot Ion: 83 Resp: 396495

Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.3	15.8
85	64.0	31.4	94.3

83 100

131 11.6 5.3 15.8

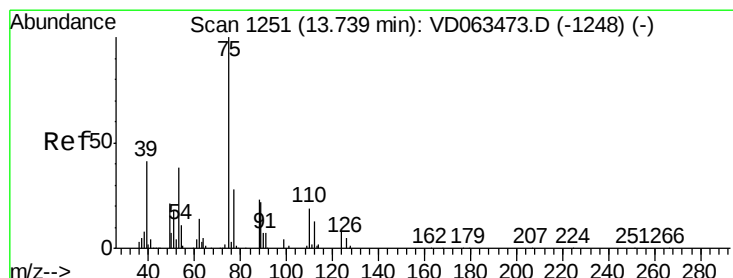
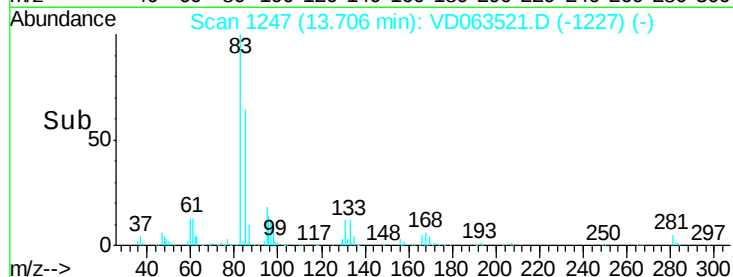
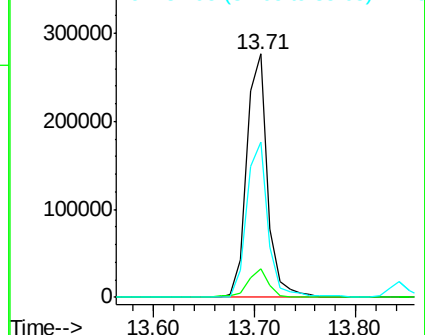
85 64.0 31.4 94.3



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: 54.745 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063521.D

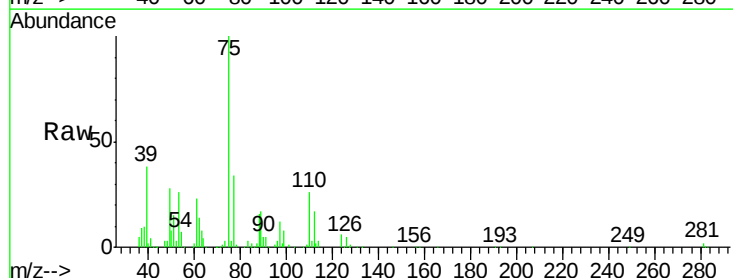
Acq: 13 Aug 2019 8:17

Tgt Ion: 75 Resp: 413423

Ion	Ratio	Lower	Upper
75	100		
77	34.0	15.1	45.3

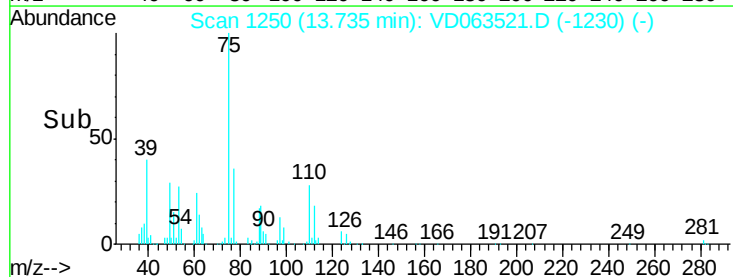
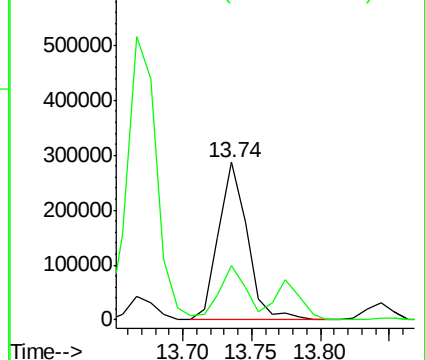
75 100

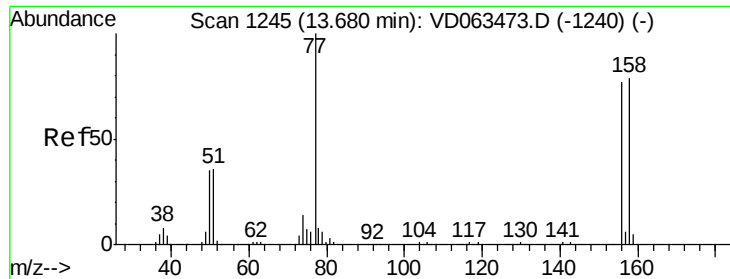
77 34.0 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.810 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

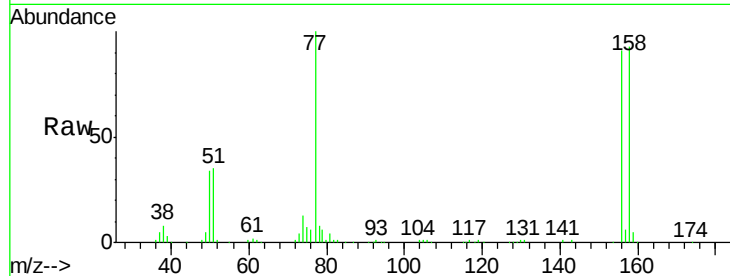
Tot Ion:156 Resp: 581193

Ion Ratio Lower Upper

156 100

77 110.2 64.6 193.8

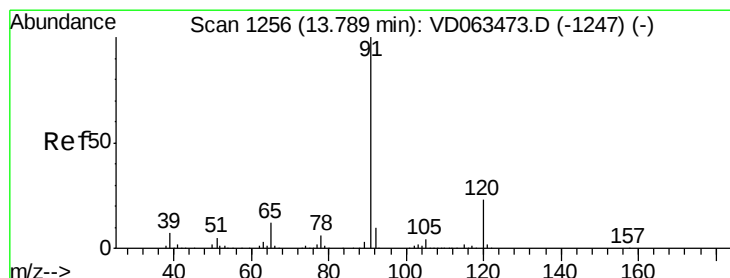
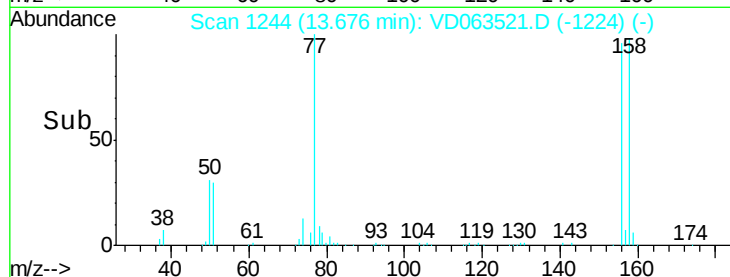
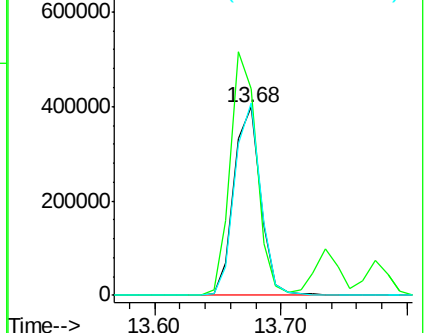
158 102.4 50.9 152.7



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: 48.609 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063521.D

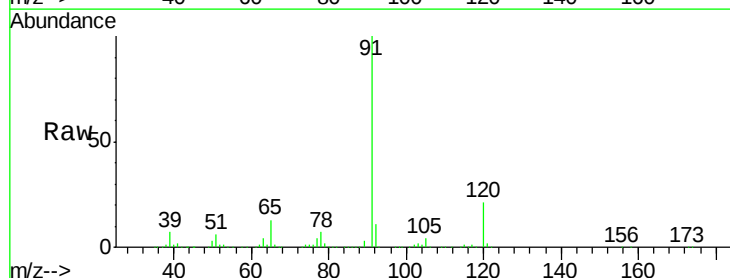
Acq: 13 Aug 2019 8:17

Tgt Ion: 91 Resp: 2380363

Ion Ratio Lower Upper

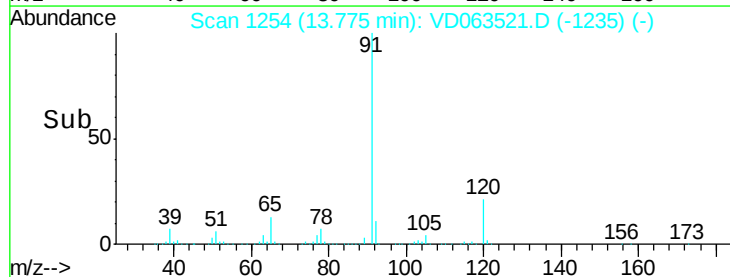
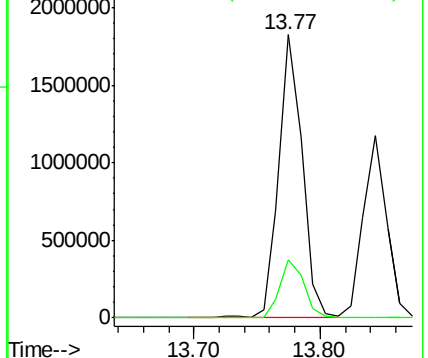
91 100

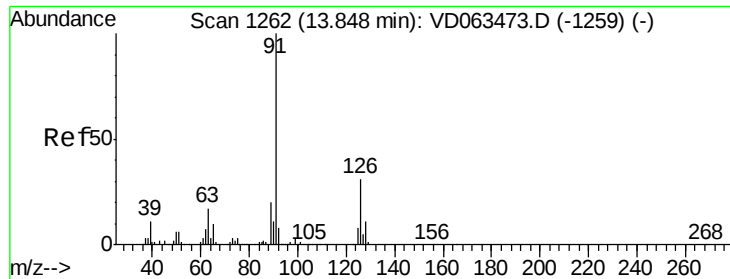
120 20.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

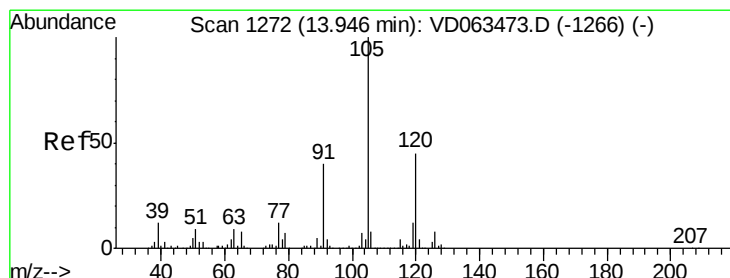
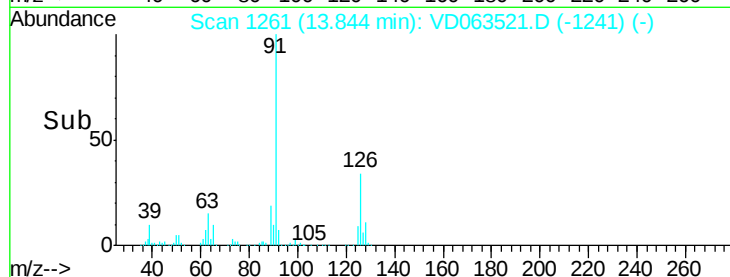
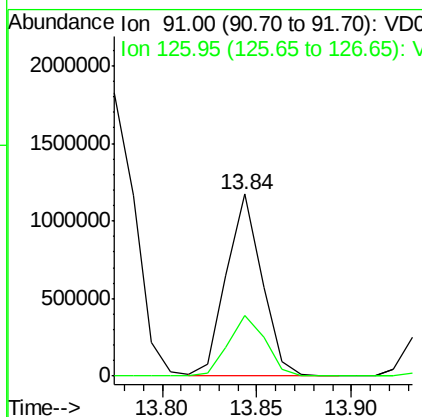
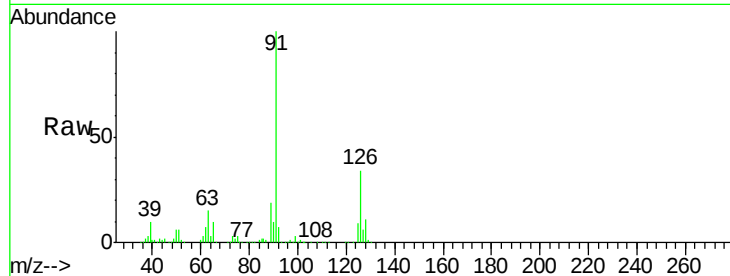




#79
 2-Chlorotoluene
 Concen: 53.856 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

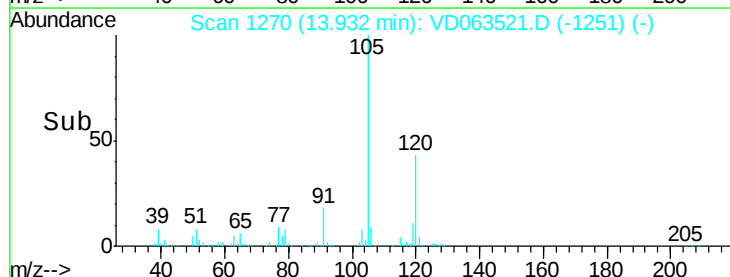
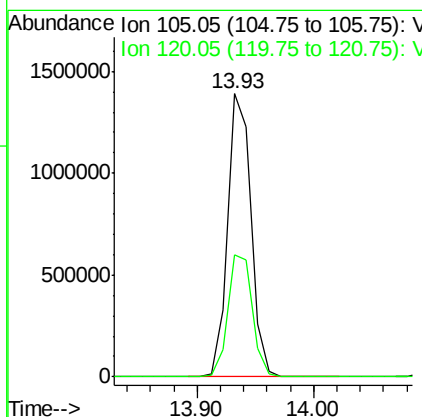
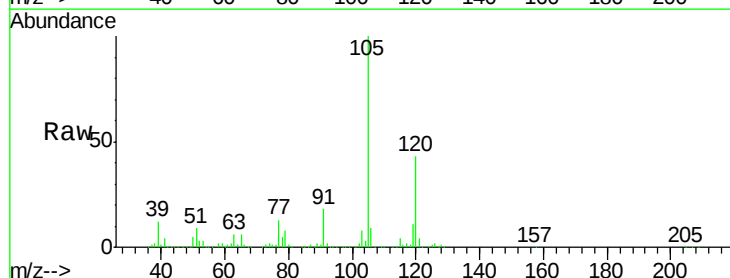
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

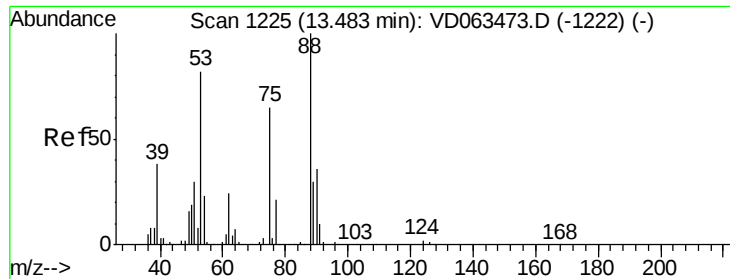
Tot Ion: 91 Resp: 1520615
 Ion Ratio Lower Upper
 91 100
 126 33.5 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 52.744 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Tgt Ion: 105 Resp: 1928782
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 50.957 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

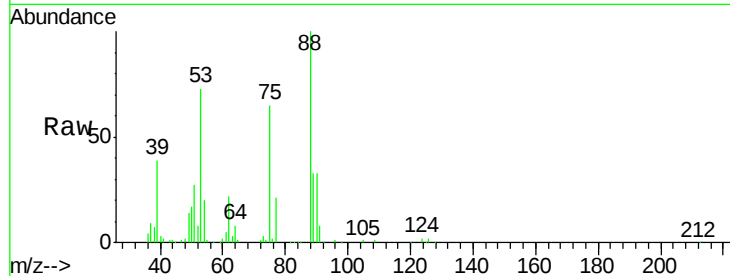
Tot Ion: 75 Resp: 103430

Ion Ratio Lower Upper

75 100

53 112.1 101.0 151.4

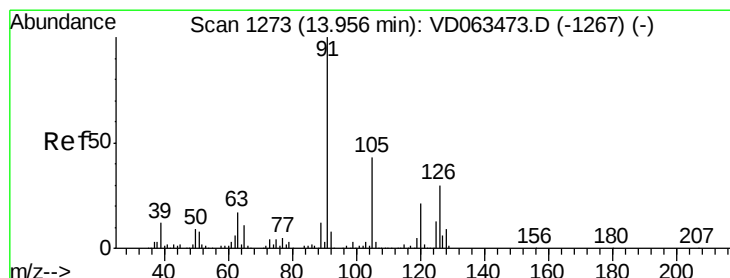
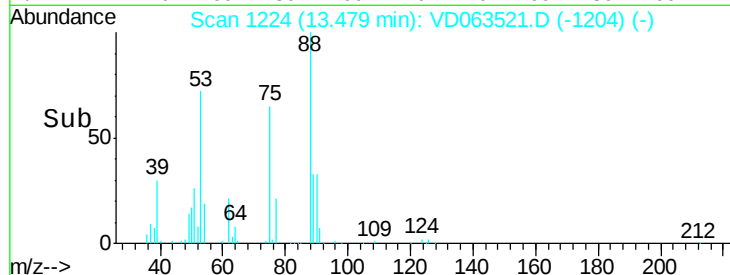
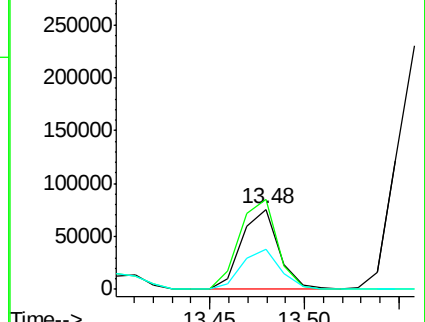
89 51.0 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 53.502 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063521.D

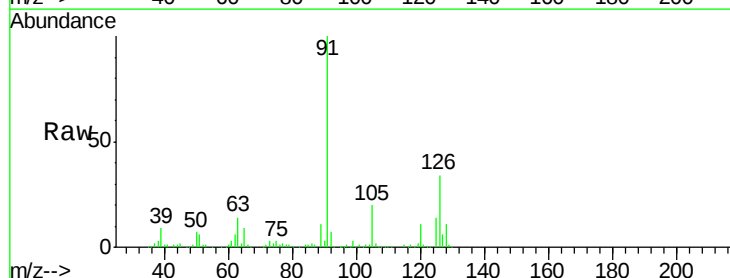
Acq: 13 Aug 2019 8:17

Tgt Ion: 91 Resp: 1816516

Ion Ratio Lower Upper

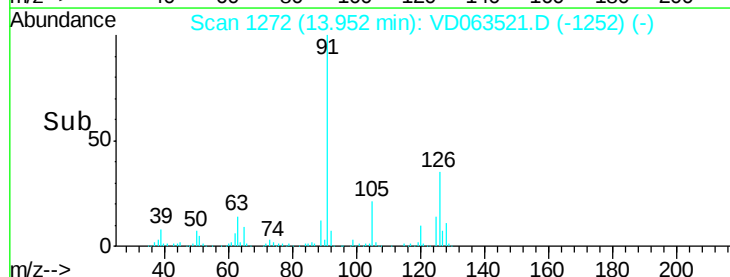
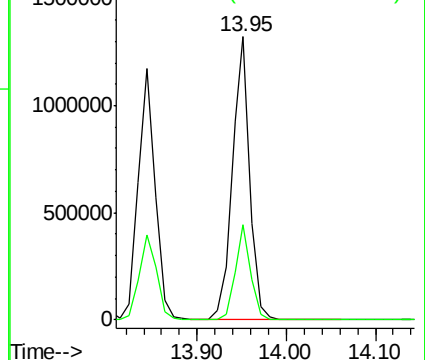
91 100

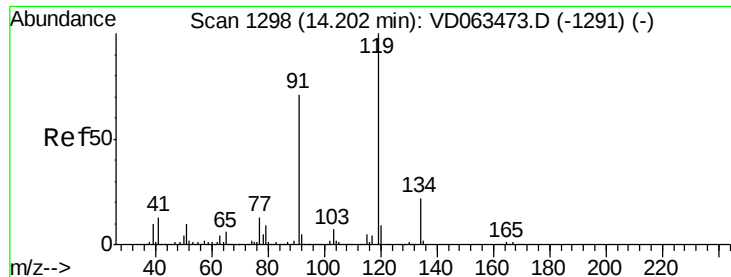
126 33.8 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 50.338 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

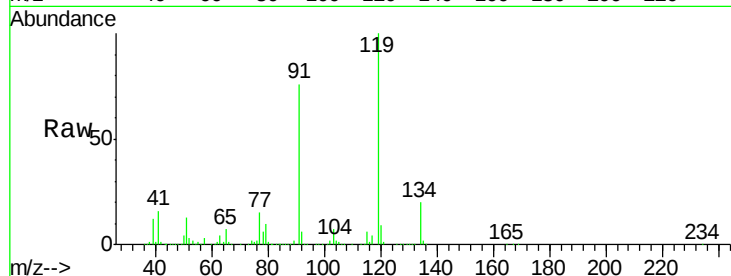
Tot Ion:119 Resp: 1938448

Ion Ratio Lower Upper

119 100

91 76.0 35.5 106.7

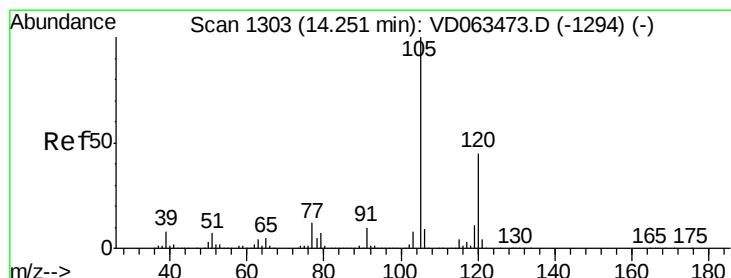
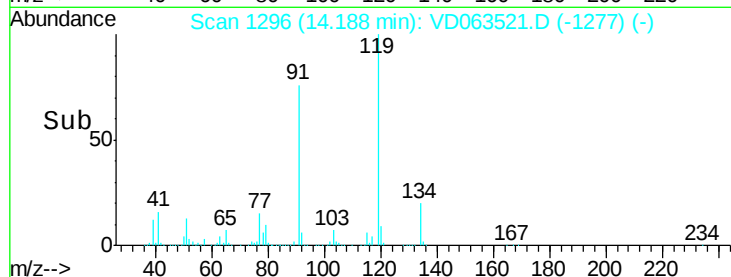
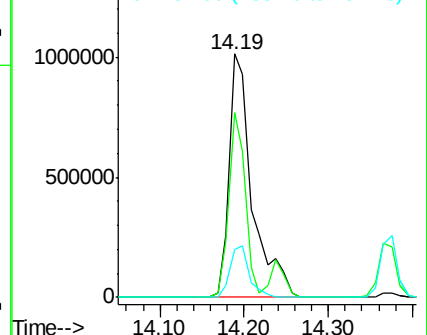
134 19.5 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.793 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD063521.D

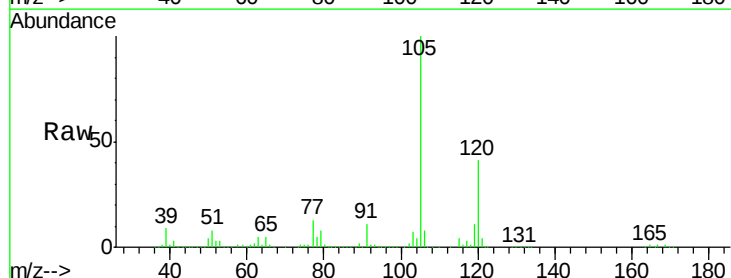
Acq: 13 Aug 2019 8:17

Tgt Ion:105 Resp: 1853961

Ion Ratio Lower Upper

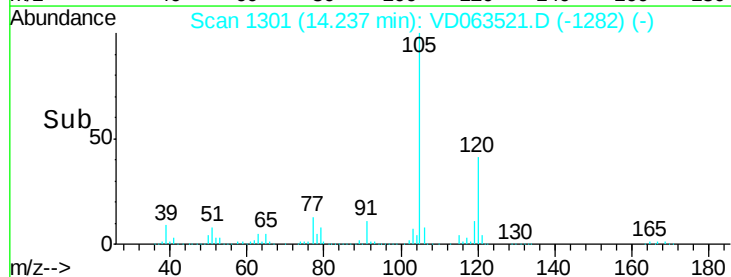
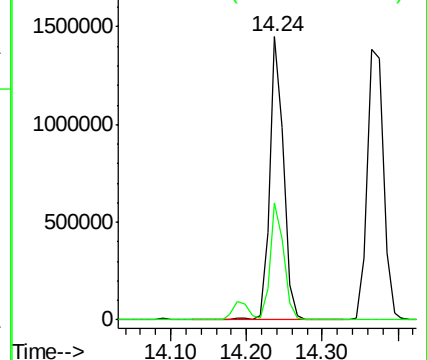
105 100

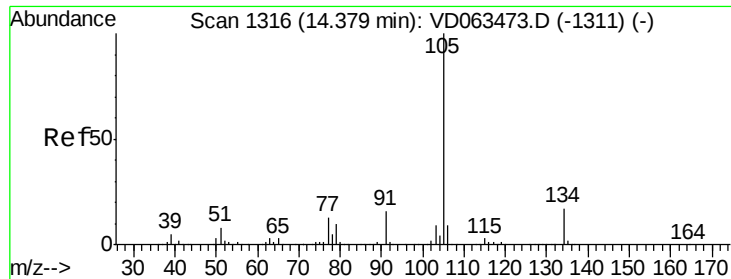
120 41.4 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

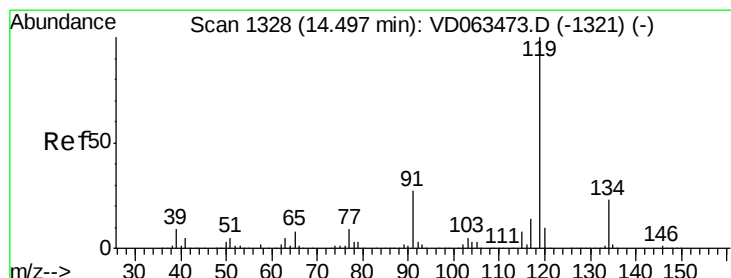
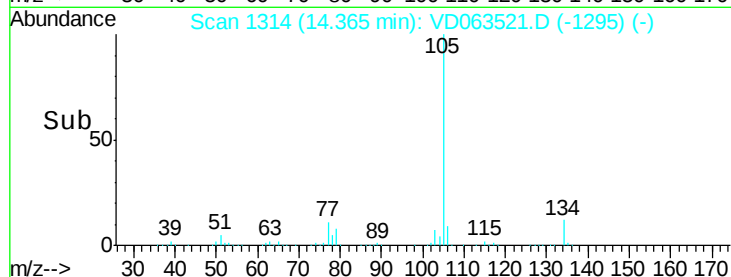
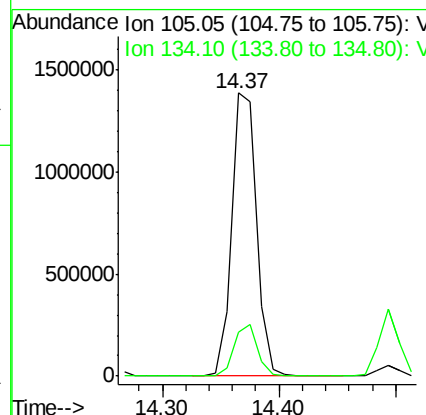
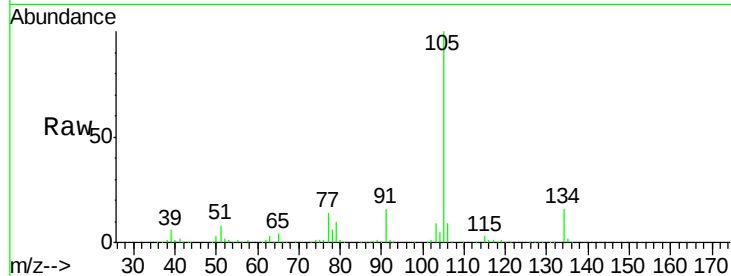




#85
 sec-Butylbenzene
 Concen: 49.856 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

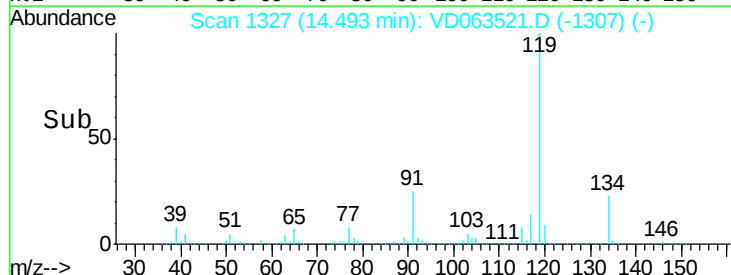
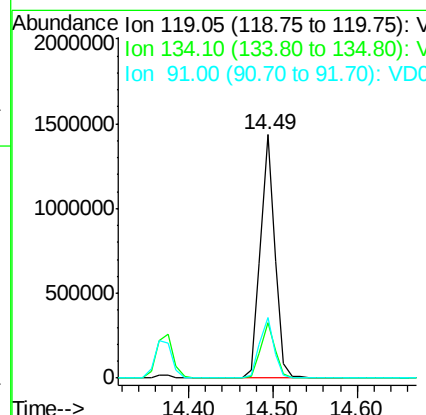
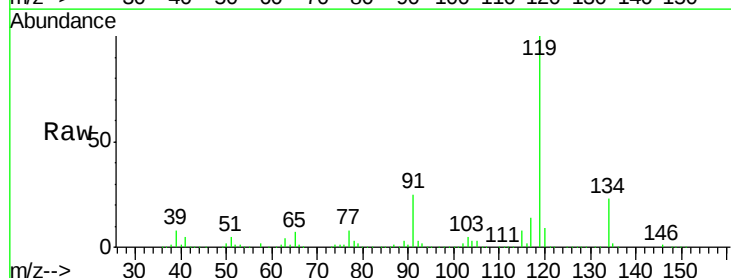
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

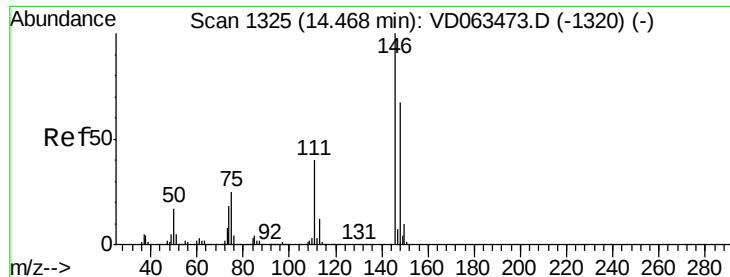
Tot Ion:105 Resp: 2038883
 Ion Ratio Lower Upper
 105 100
 134 15.8 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 44.991 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Tgt Ion:119 Resp: 1759243
 Ion Ratio Lower Upper
 119 100
 134 22.7 11.3 33.8
 91 25.1 13.5 40.4

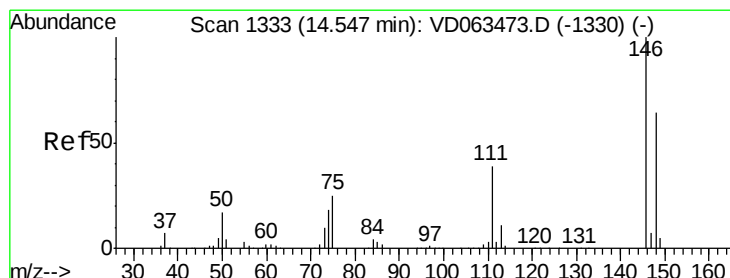
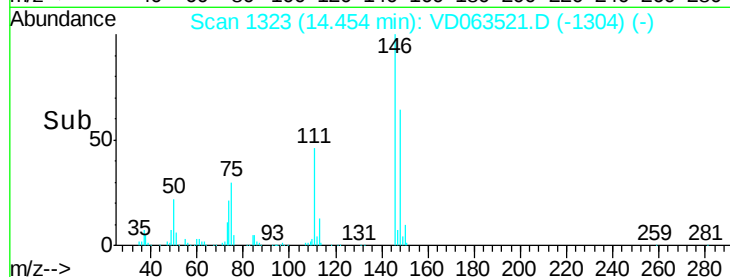
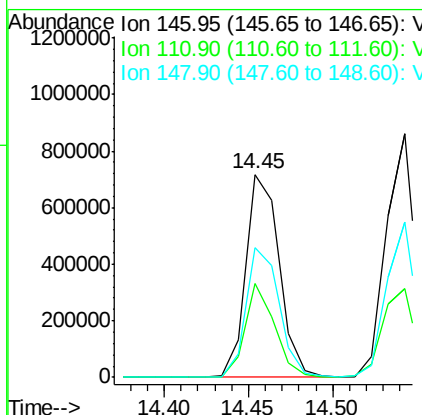
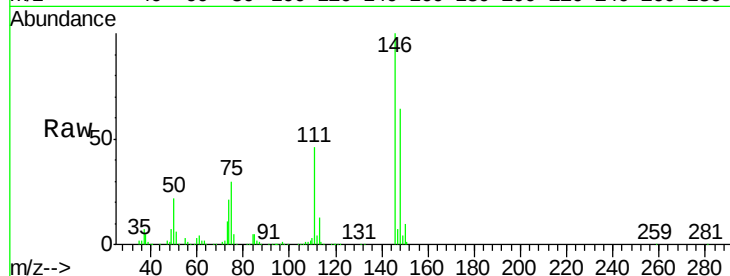




#87
 1,3-Dichlorobenzene
 Concen: 47.805 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

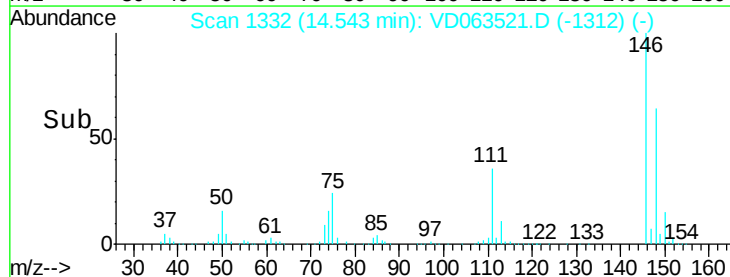
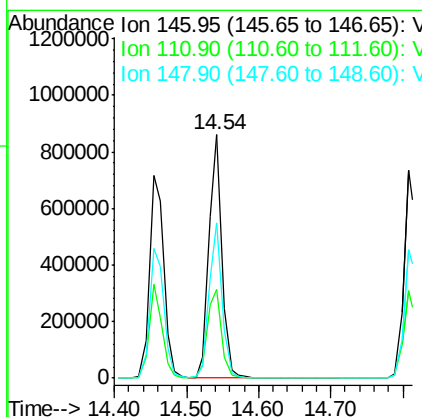
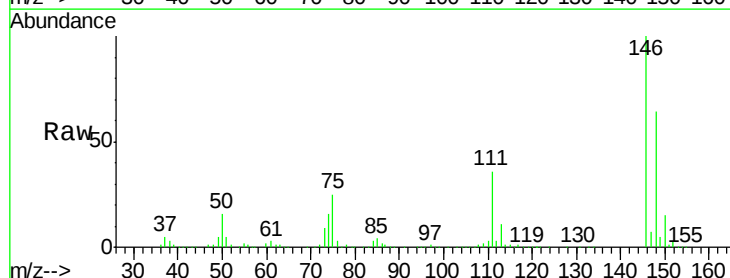
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

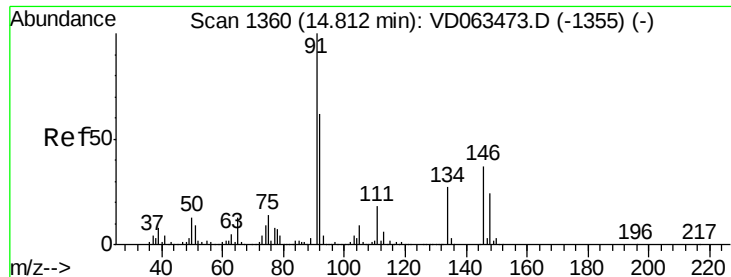
Tot Ion:146 Resp: 989106
 Ion Ratio Lower Upper
 146 100
 111 46.3 20.0 60.0
 148 63.9 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 53.943 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Tgt Ion:146 Resp: 1070815
 Ion Ratio Lower Upper
 146 100
 111 36.4 19.7 59.0
 148 63.9 32.1 96.3

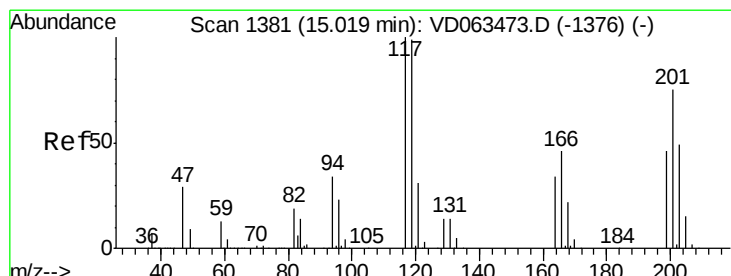
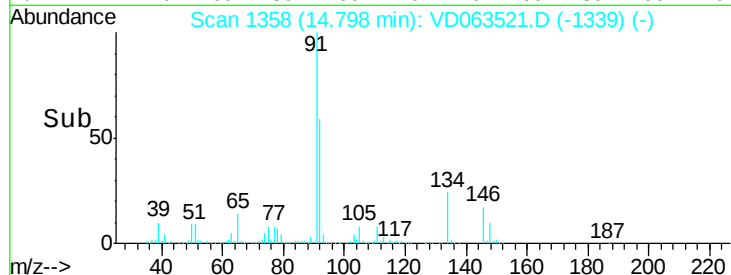
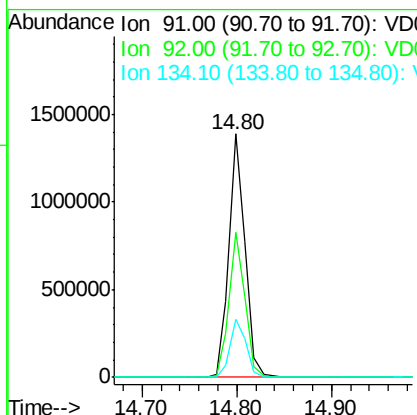
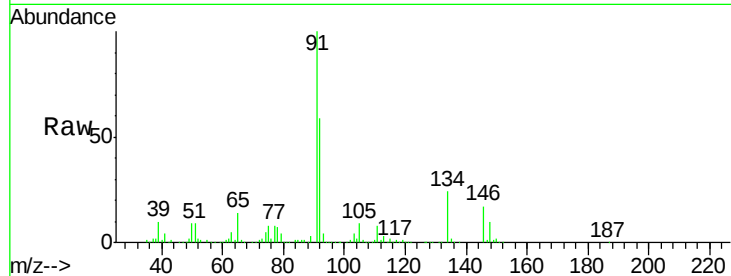




#89
n-Butylbenzene
Concen: 45.651 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

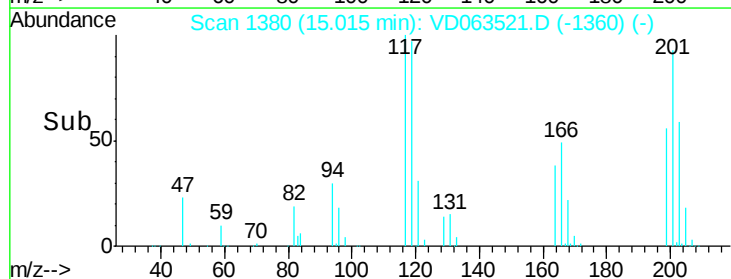
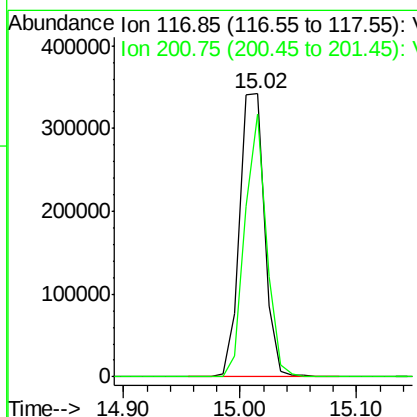
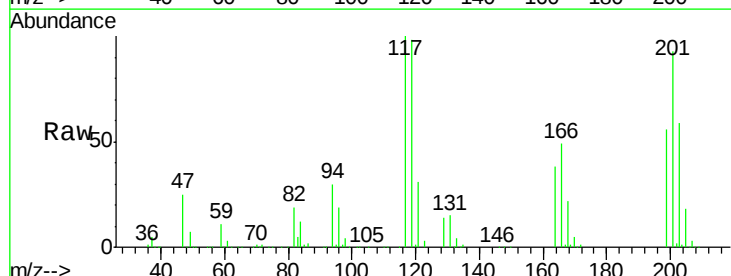
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

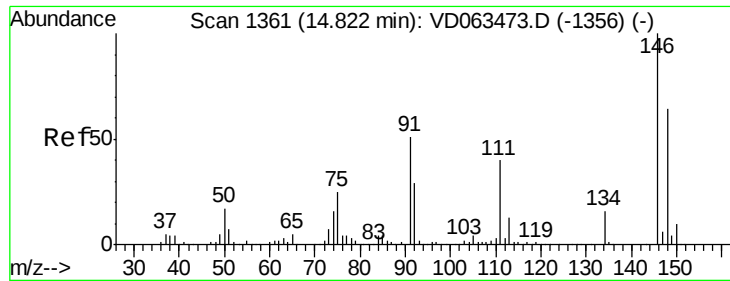
Tot Ion: 91 Resp: 1629175
Ion Ratio Lower Upper
91 100
92 59.3 30.8 92.3
134 23.7 13.4 40.2



#90
Hexachloroethane
Concen: 51.779 ug/l
RT: 15.02 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD063521.D
Acq: 13 Aug 2019 8:17

Tgt Ion: 117 Resp: 508889
Ion Ratio Lower Upper
117 100
201 92.9 37.5 112.5

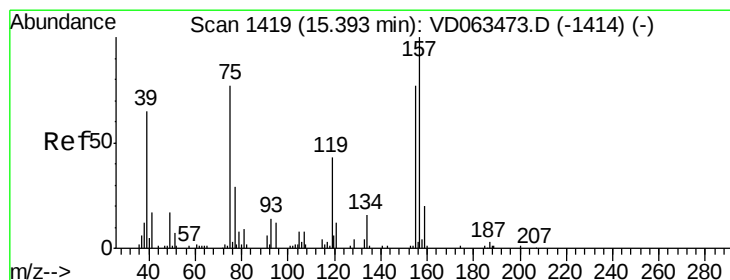
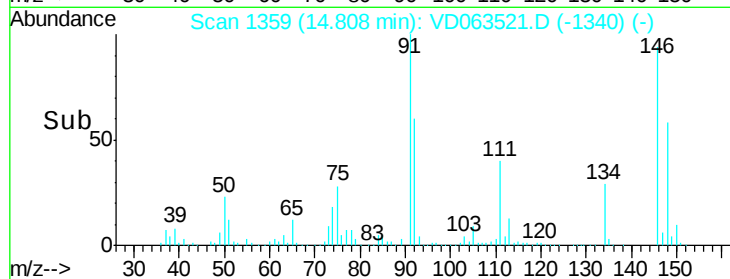
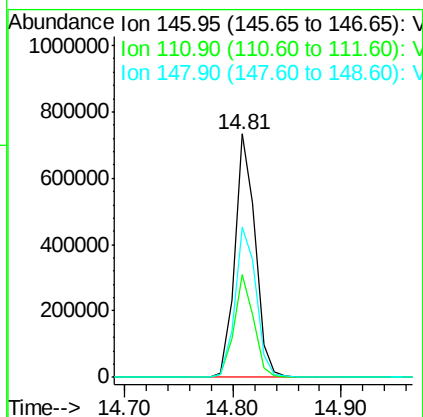
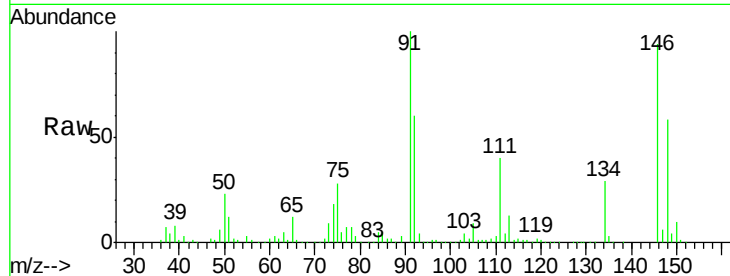




#91
 1,2-Dichlorobenzene
 Concen: 54.815 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

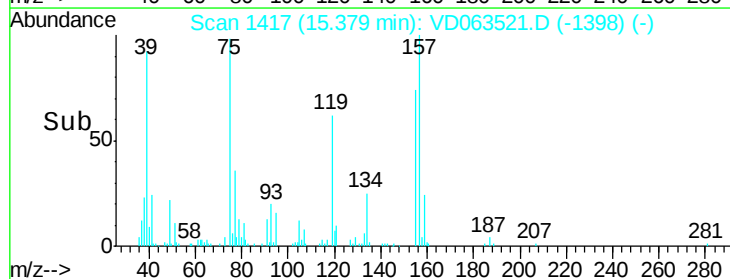
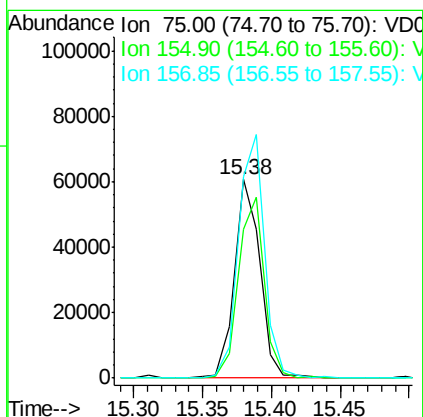
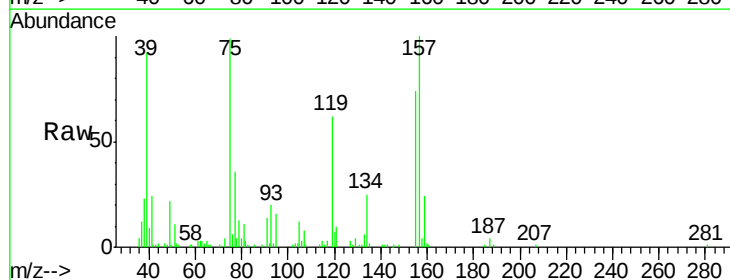
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

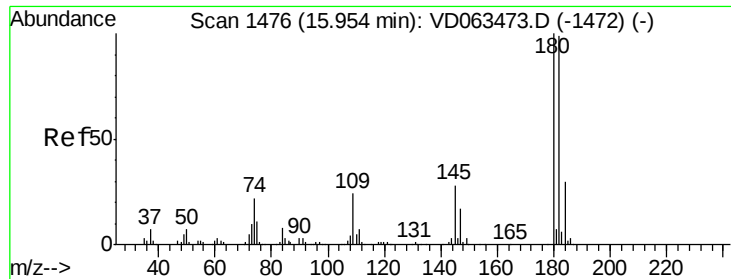
Tot Ion:146 Resp: 962239
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.2 60.6
 148 61.9 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.946 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Tgt Ion: 75 Resp: 78413
 Ion Ratio Lower Upper
 75 100
 155 75.4 50.1 150.3
 157 101.4 65.0 195.1

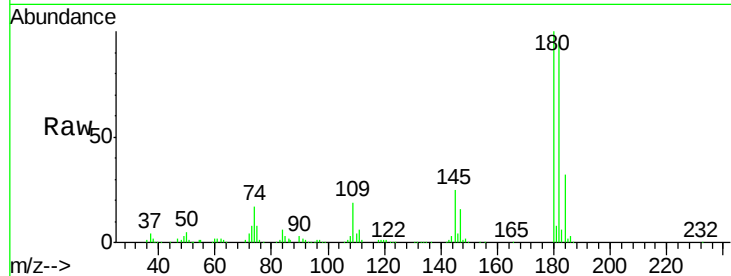




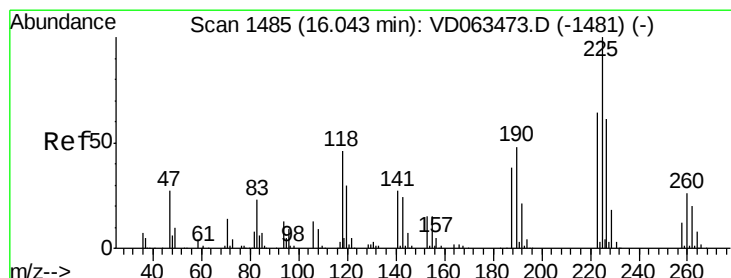
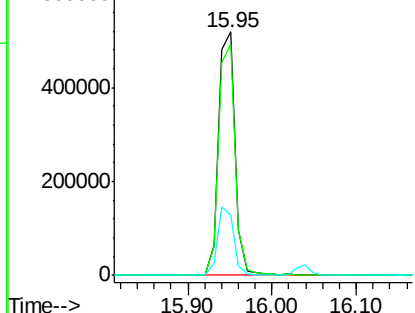
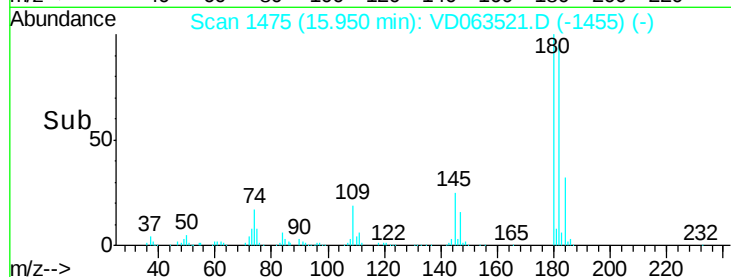
#93
 1,2,4-Trichlorobenzene
 Concen: 54.590 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 705138
 Ion Ratio Lower Upper
 180 100
 182 95.0 49.7 149.1
 145 25.1 14.1 42.2

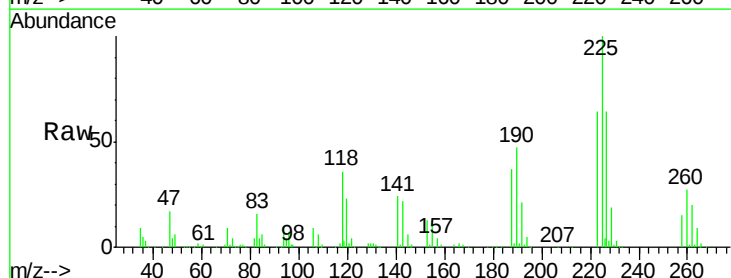


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

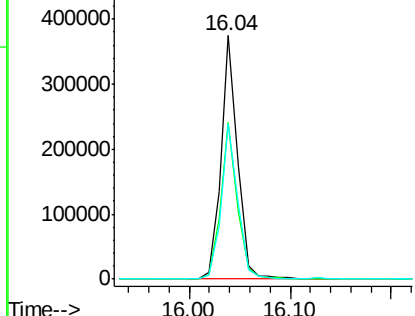
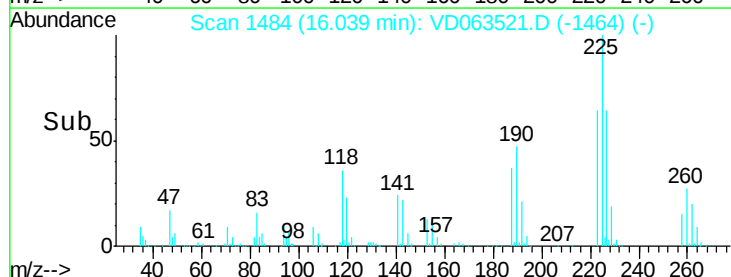


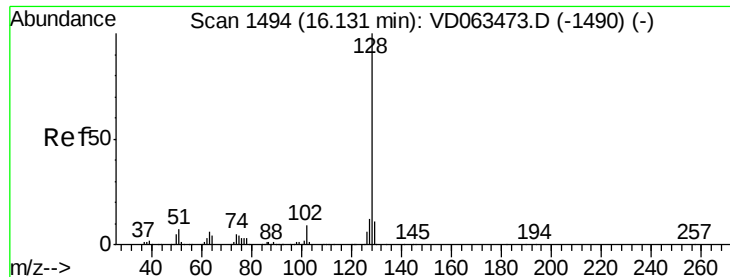
#94
 Hexachlorobutadiene
 Concen: 43.957 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063521.D
 Acq: 13 Aug 2019 8:17

Tgt Ion:225 Resp: 432734
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.9 95.5
 227 63.7 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: 56.502 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

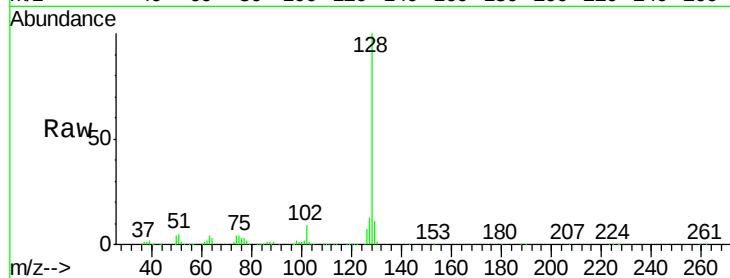
Tot Ion:128 Resp: 1106064

Ion Ratio Lower Upper

128 100

127 12.6 9.4 14.0

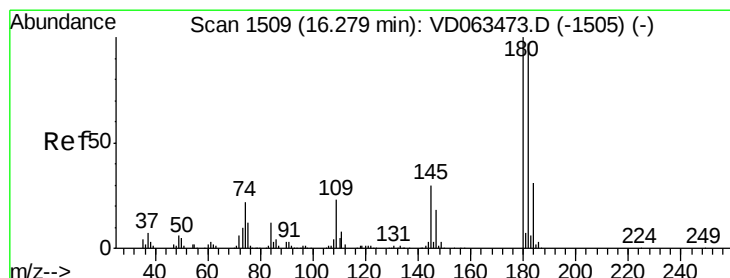
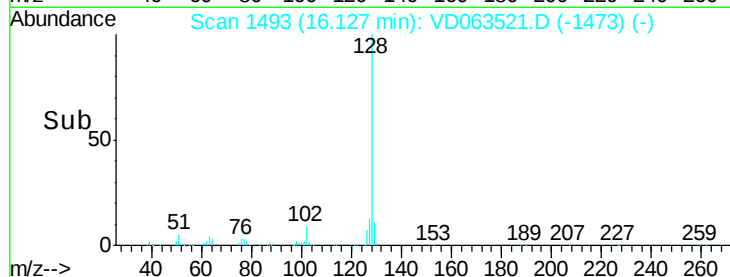
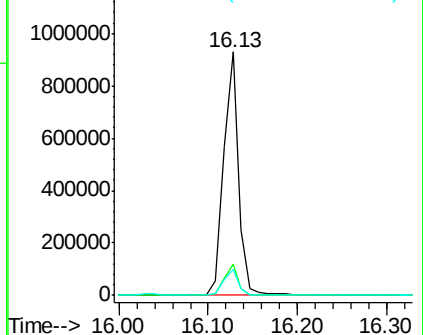
129 10.7 8.5 12.7



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: 51.745 ug/l

RT: 16.28 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD063521.D

Acq: 13 Aug 2019 8:17

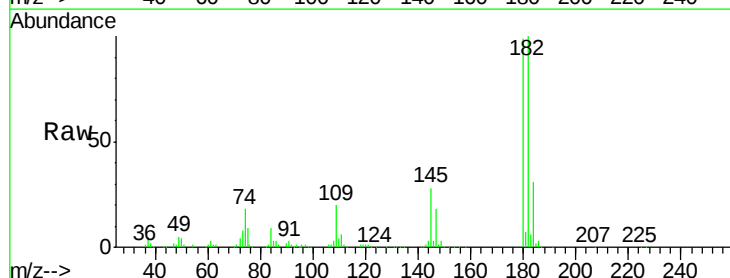
Tgt Ion:180 Resp: 539844

Ion Ratio Lower Upper

180 100

182 101.4 48.4 145.2

145 28.1 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

