

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

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

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

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	562687	45.50	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	91.00%	
35) Dibromofluoromethane	6.92	113	683988	47.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	10.40	98	1498701	47.81	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.62%	
62) 4-Bromofluorobenzene	13.55	95	637507	44.87	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.74%	

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

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

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

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

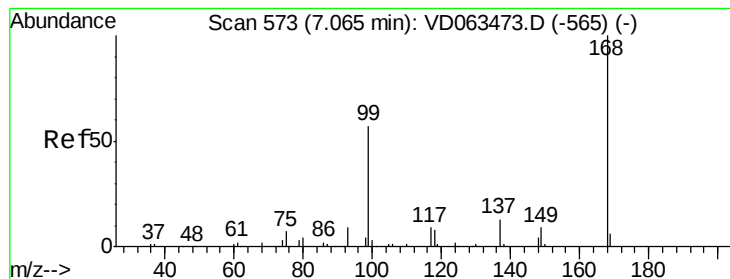
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081519\
Data File : VD063602.D
Acq On : 15 Aug 2019 13:28
Operator : JC/SY
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Aug 15 15:49:37 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.94	180	753727	57.136	ug/l	97
94) Hexachlorobutadiene	16.03	225	566671	56.363	ug/l	98
95) Naphthalene	16.12	128	1086687	54.355	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	614091	57.635	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

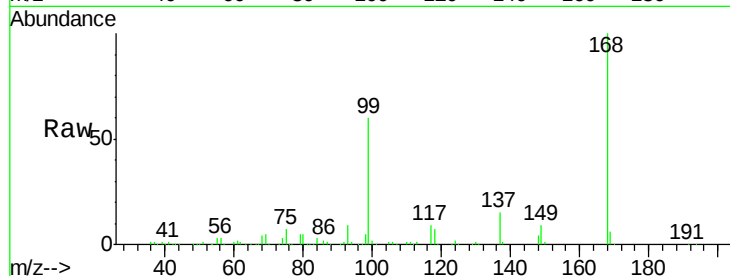
VSTDCCC050

Tot Ion:168 Resp: 1156951

Ion Ratio Lower Upper

168 100

99 60.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

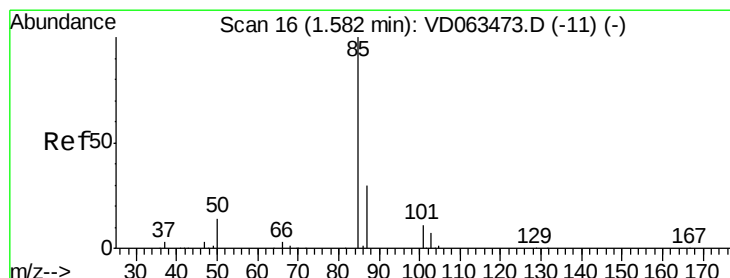
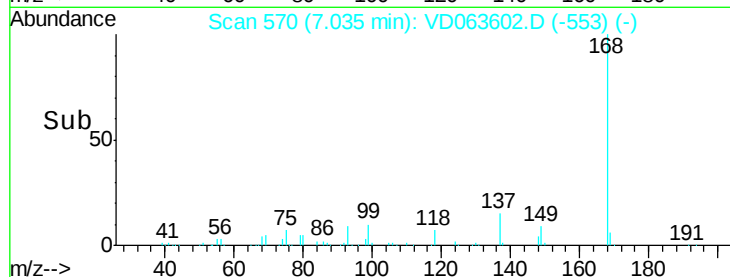
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.361 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063602.D

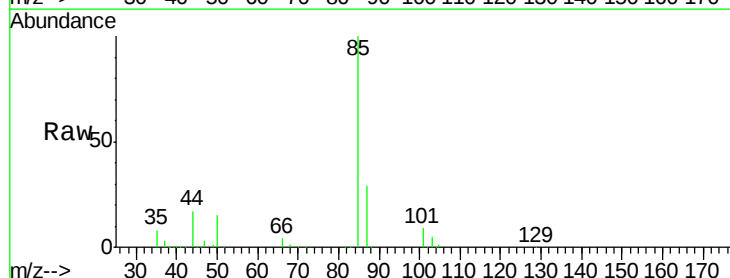
Acq: 15 Aug 2019 13:28

Tgt Ion: 85 Resp: 718905

Ion Ratio Lower Upper

85 100

87 29.0 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

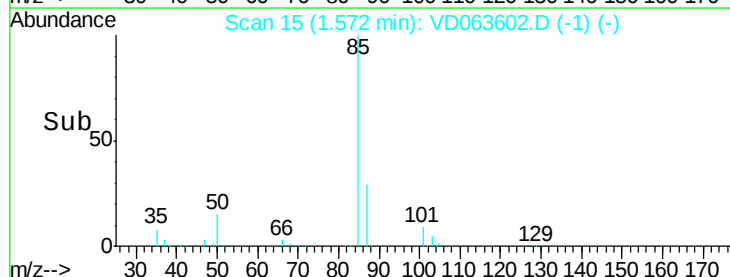
300000

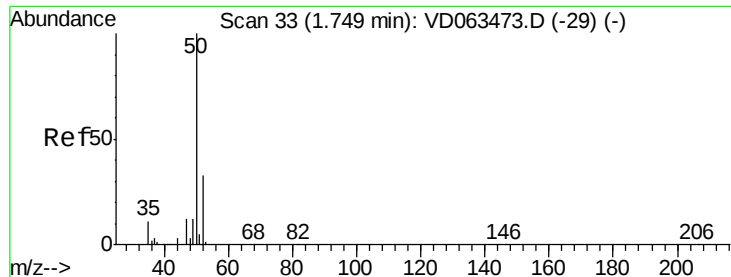
200000

100000

0

Time-->





#3

Chloromethane

Concen: 50.137 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

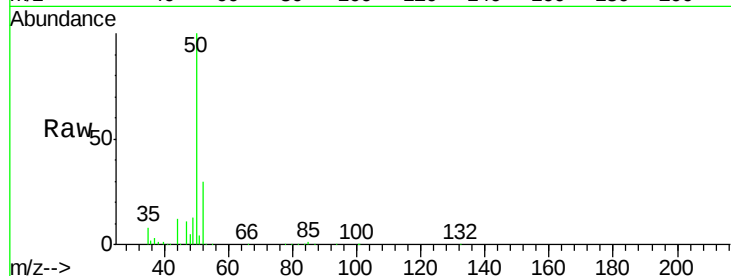
VSTDCCC050

Tot Ion: 50 Resp: 548304

Ion Ratio Lower Upper

50 100

52 30.4 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

200000

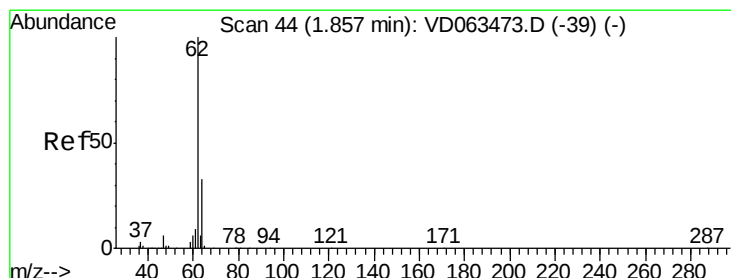
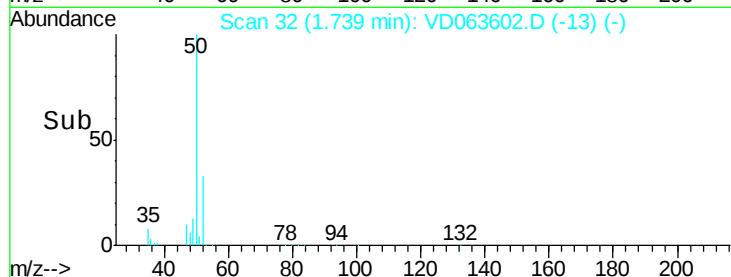
150000

100000

50000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 53.283 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063602.D

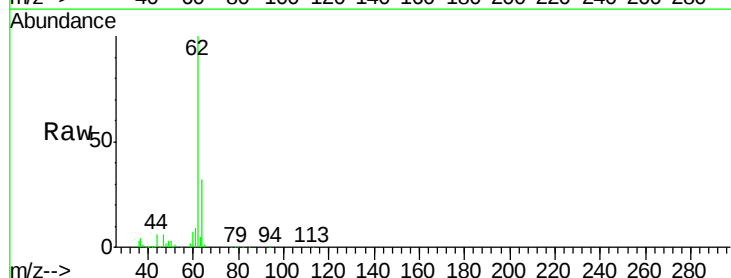
Acq: 15 Aug 2019 13:28

Tgt Ion: 62 Resp: 578462

Ion Ratio Lower Upper

62 100

64 32.1 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

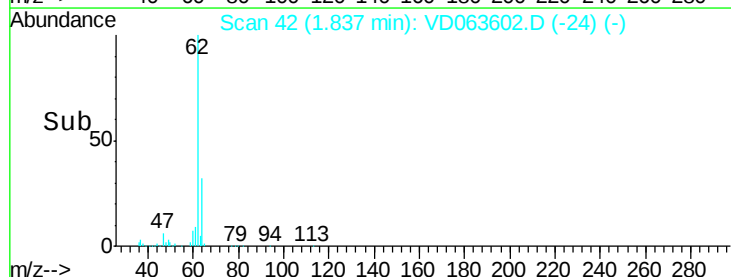
300000

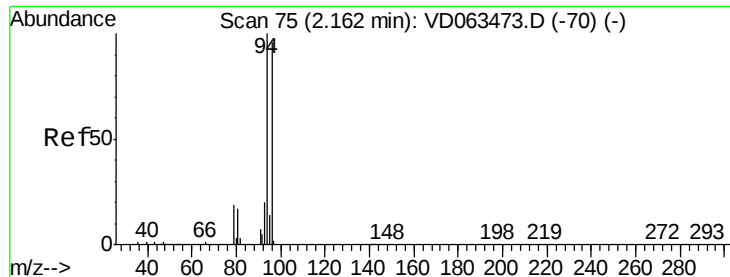
200000

100000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 50.626 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

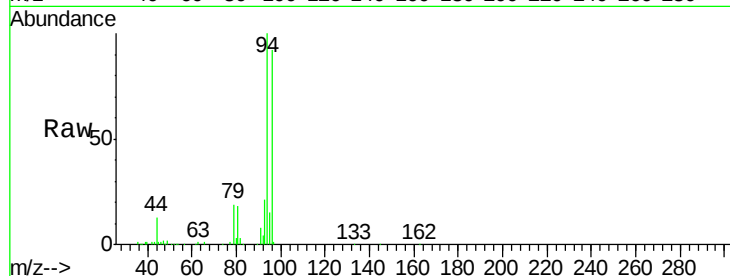
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 259337

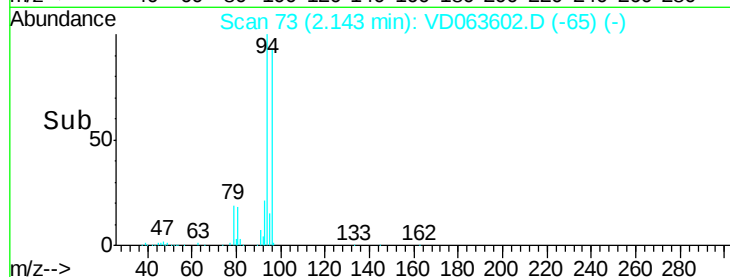
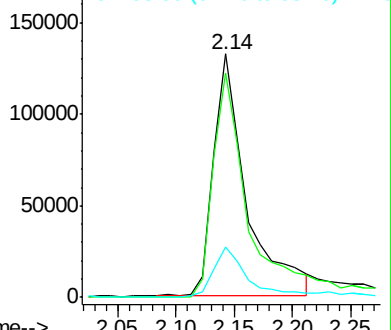
Ion	Ratio	Lower	Upper
94	100		
96	92.0	76.5	114.7
93	20.9	15.8	23.8



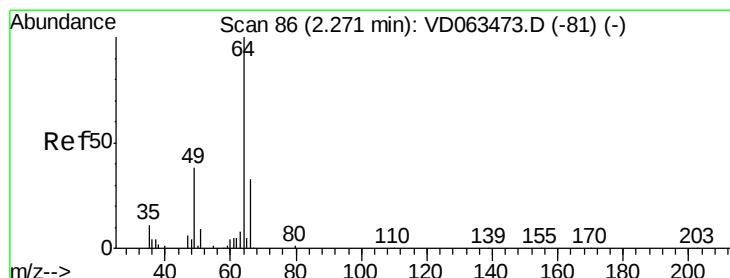
Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



Time-->



#6

Chloroethane

Concen: 51.252 ug/l

RT: 2.26 min Scan# 85

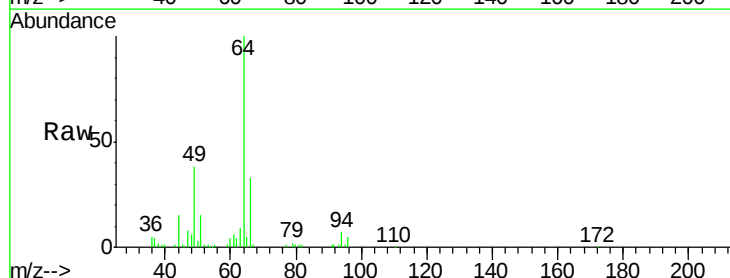
Delta R.T. -0.01 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

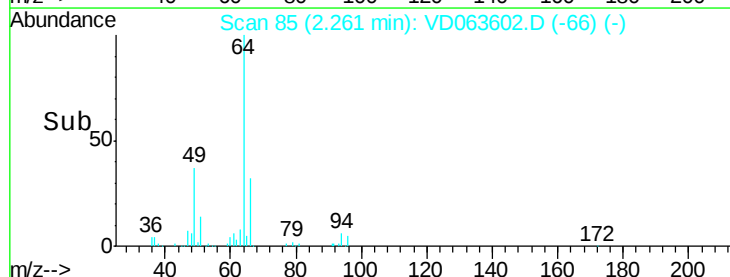
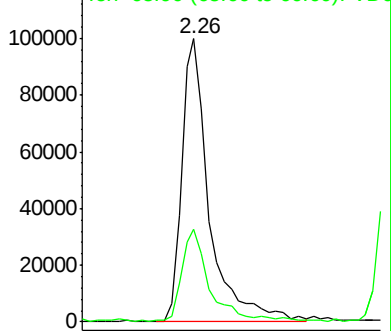
Tgt Ion: 64 Resp: 254442

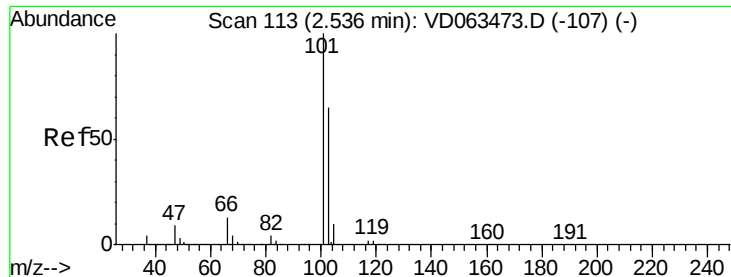
Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.3	39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



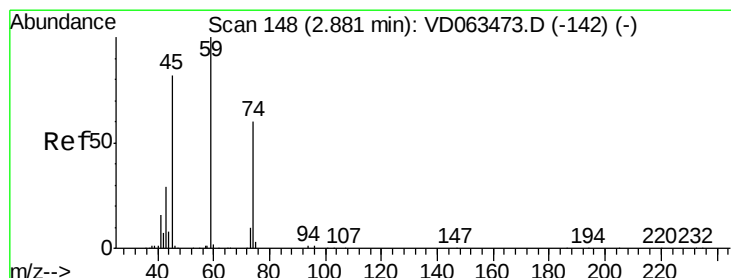
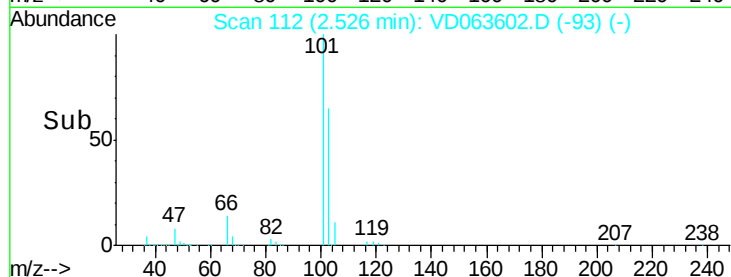
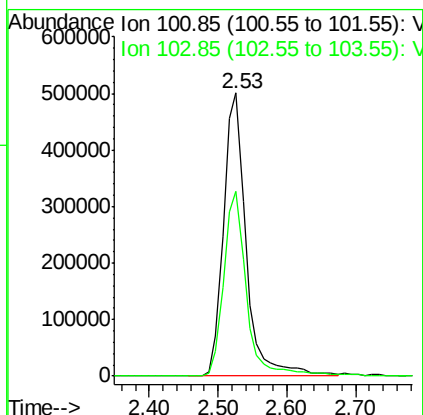
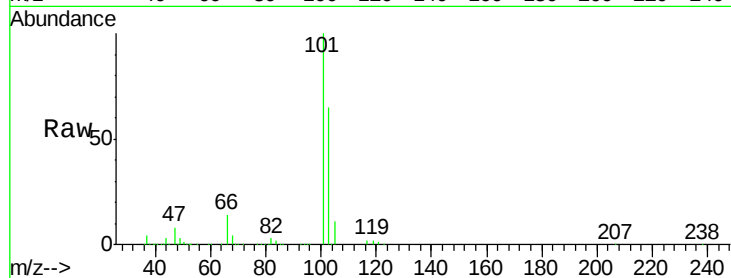


#7

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

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

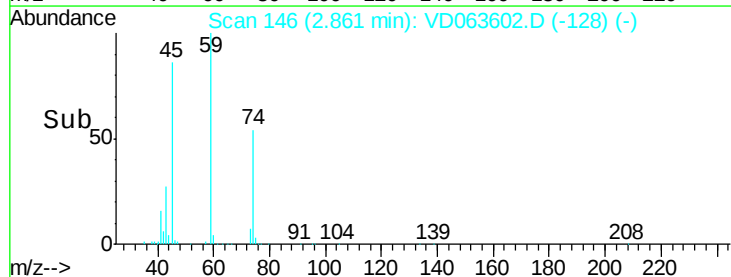
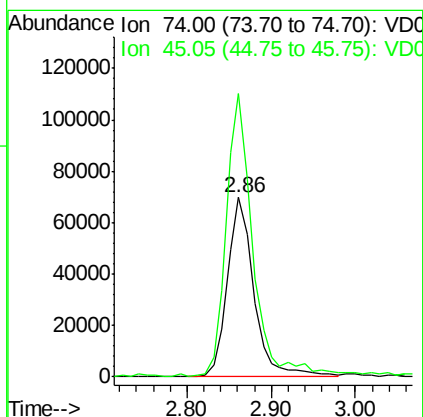
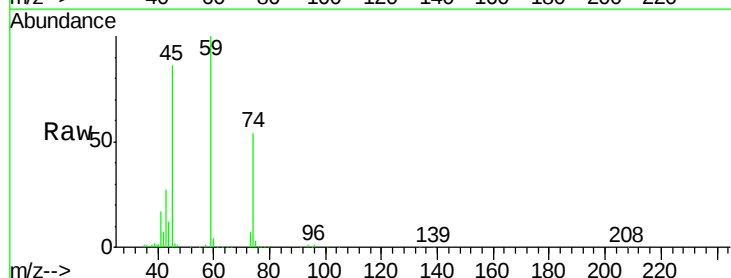
Tot Ion:101 Resp: 1142161
Ion Ratio Lower Upper
101 100
103 65.5 52.2 78.4

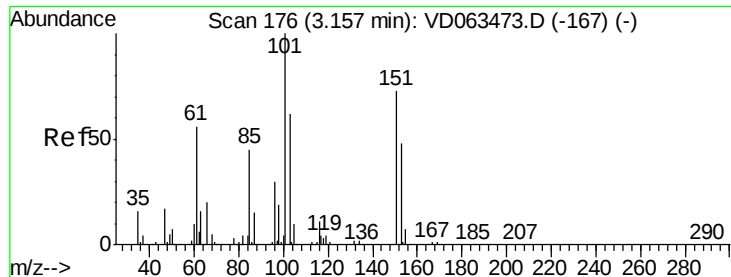


#8

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

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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.958 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

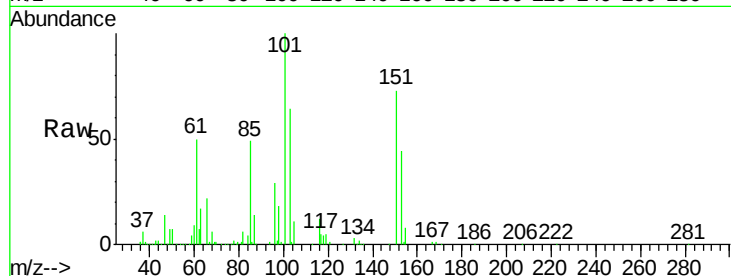
Tot Ion:101 Resp: 640754

Ion Ratio Lower Upper

101 100

85 49.1 35.8 53.6

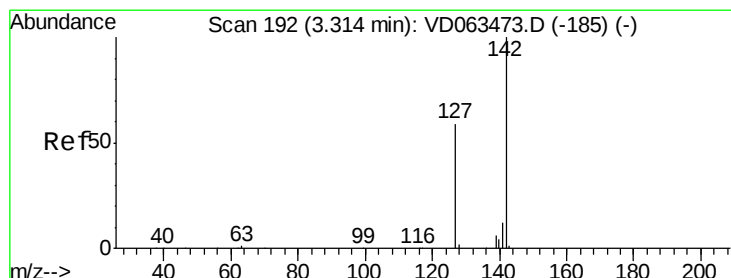
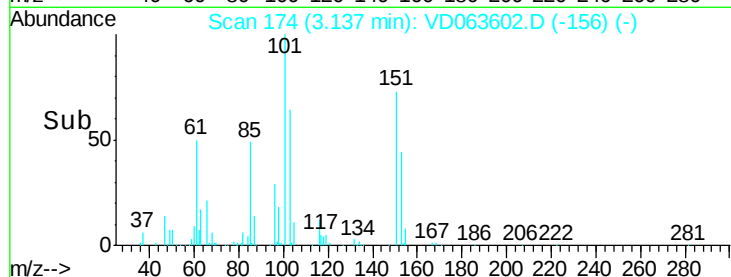
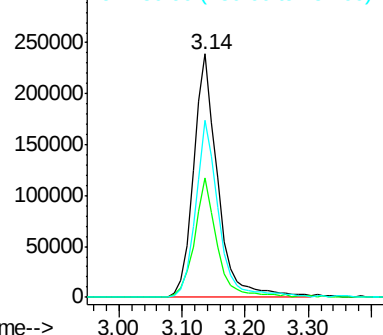
151 72.7 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 52.394 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

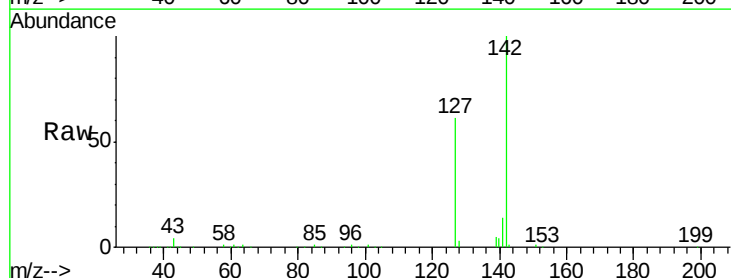
Tgt Ion:142 Resp: 932151

Ion Ratio Lower Upper

142 100

127 60.5 47.2 70.8

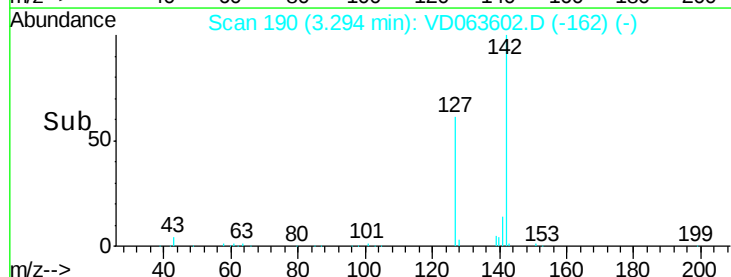
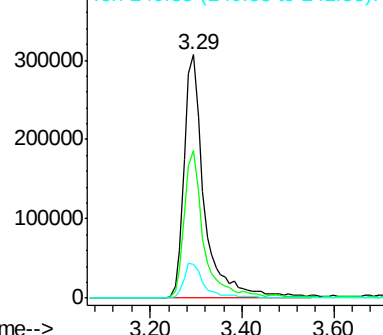
141 13.8 9.8 14.8

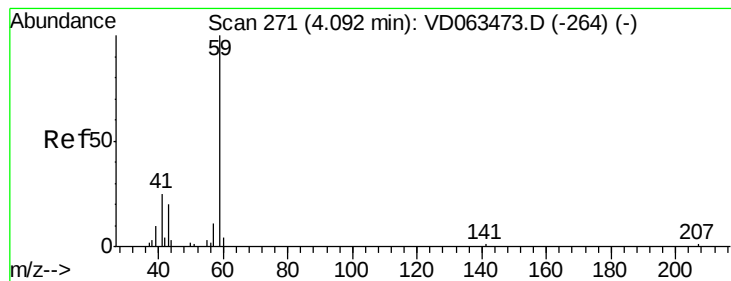


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 291.008 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

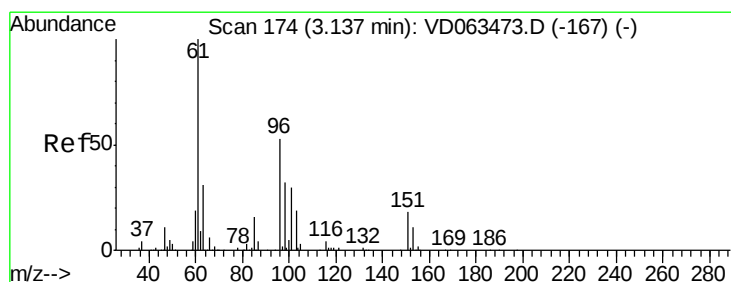
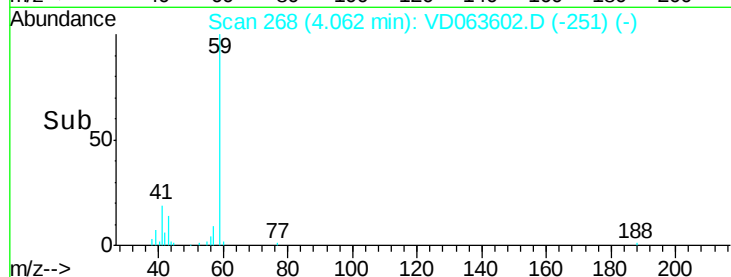
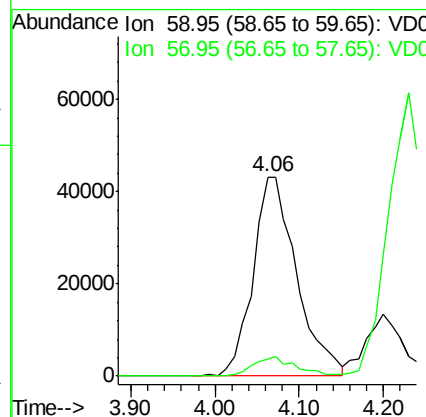
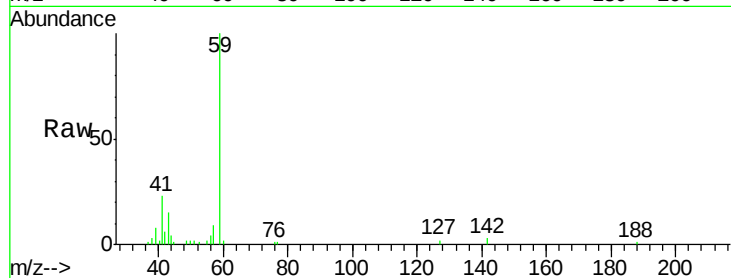
VSTDCCC050

Tot Ion: 59 Resp: 156666

Ion Ratio Lower Upper

59 100

57 8.6 8.7 13.1#



#12

1,1-Dichloroethene

Concen: 50.200 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

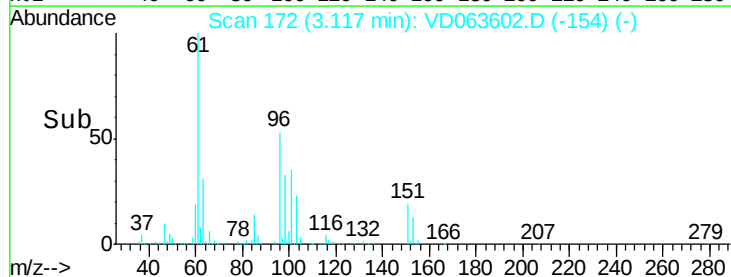
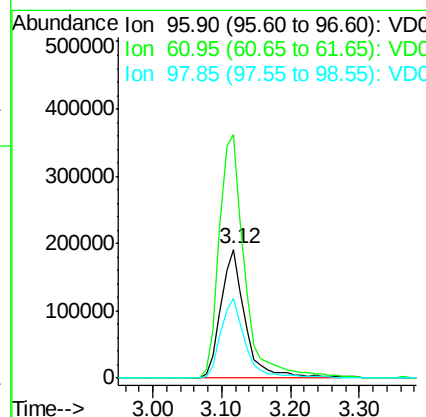
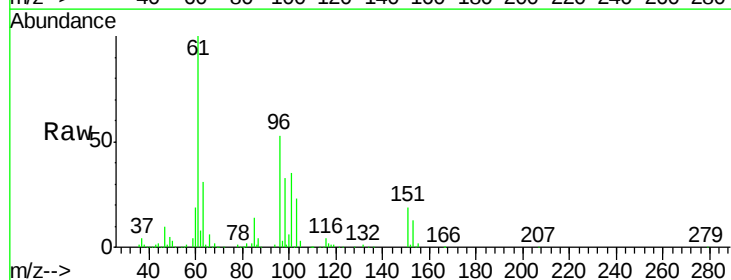
Tgt Ion: 96 Resp: 469301

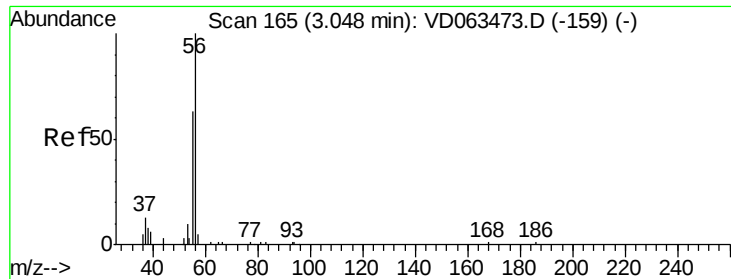
Ion Ratio Lower Upper

96 100

61 188.8 151.7 227.5

98 61.4 48.4 72.6





#13

Acrolein

Concen: 238.885 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

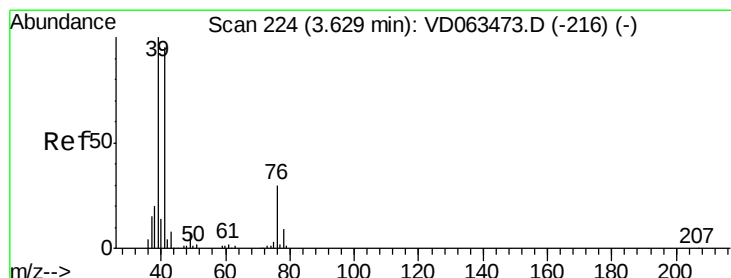
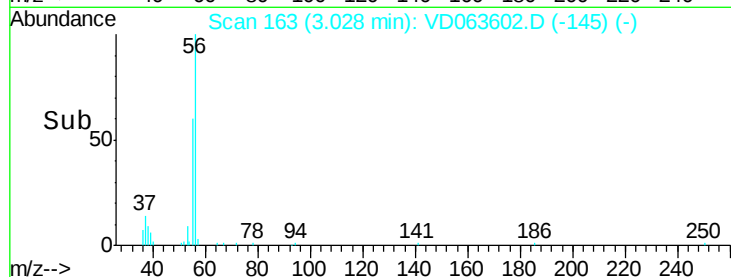
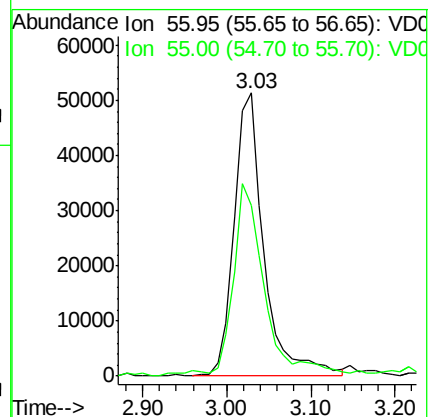
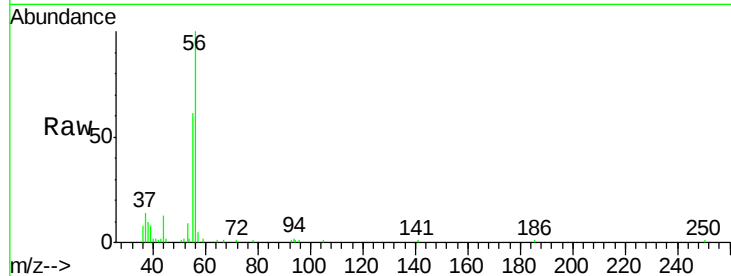
VSTDCCC050

Tot Ion: 56 Resp: 126588

Ion Ratio Lower Upper

56 100

55 60.5 51.3 76.9



#14

Allyl chloride

Concen: 52.825 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

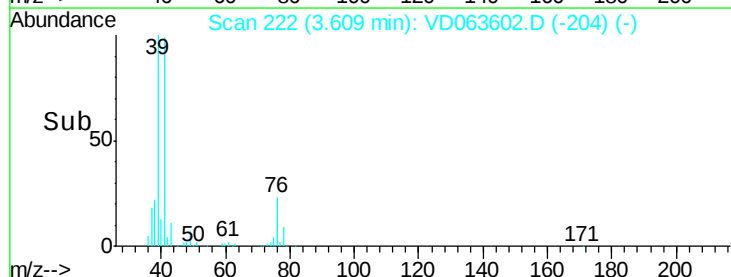
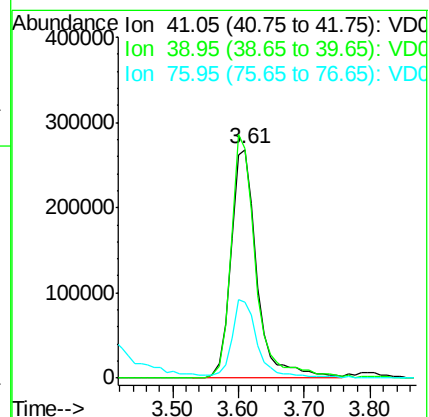
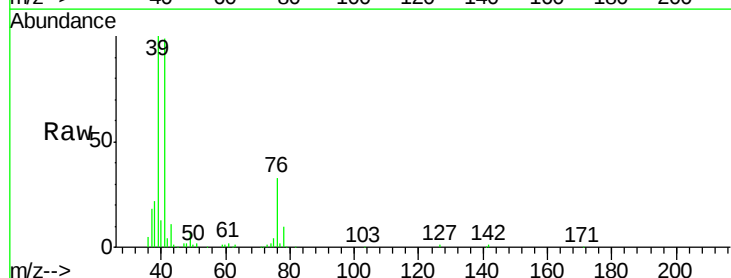
Tgt Ion: 41 Resp: 742388

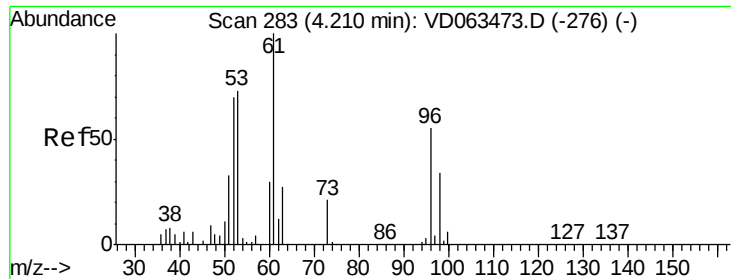
Ion Ratio Lower Upper

41 100

39 100.6 84.2 126.4

76 33.0 26.0 39.0





#15

Acrylonitrile

Concen: 281.952 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

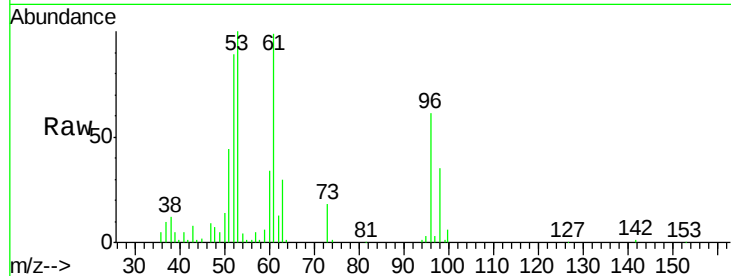
Tot Ion: 53 Resp: 402058

Ion Ratio Lower Upper

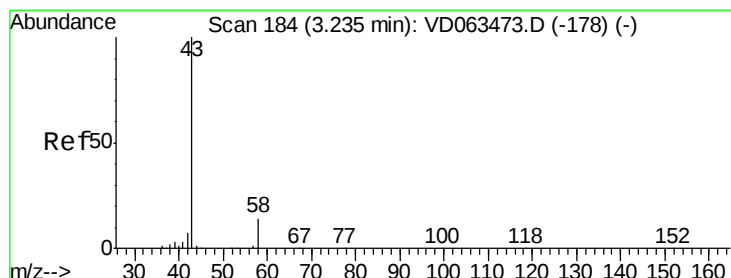
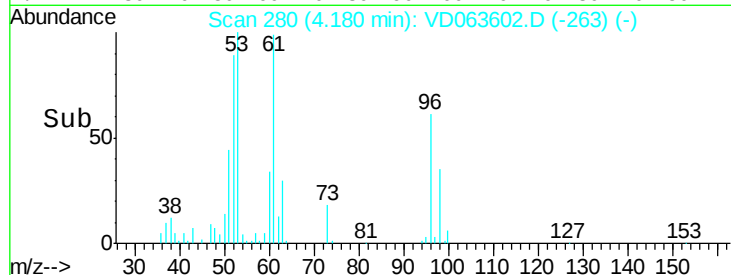
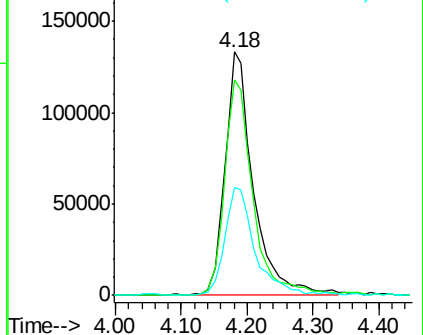
53 100

52 88.5 77.4 116.0

51 44.2 36.7 55.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 297.696 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063602.D

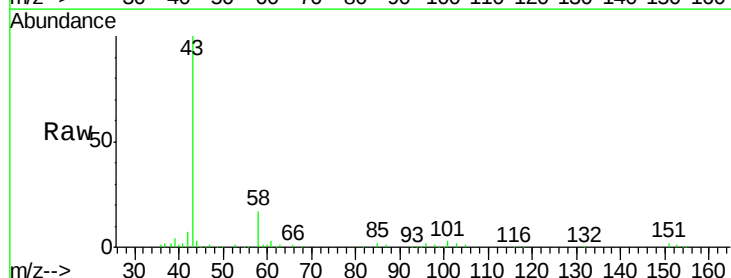
Acq: 15 Aug 2019 13:28

Tgt Ion: 43 Resp: 748394

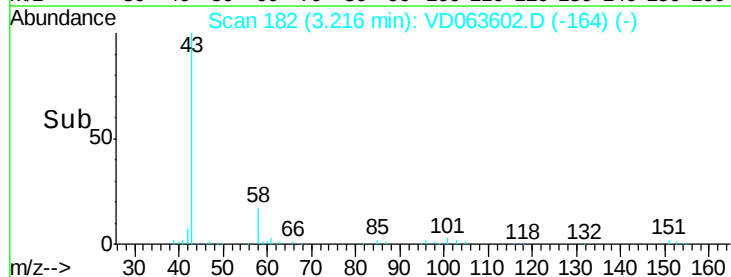
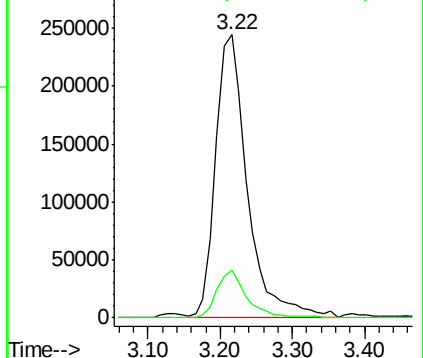
Ion Ratio Lower Upper

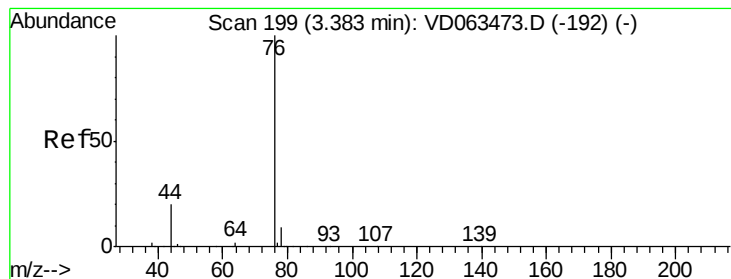
43 100

58 16.8 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 52.671 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

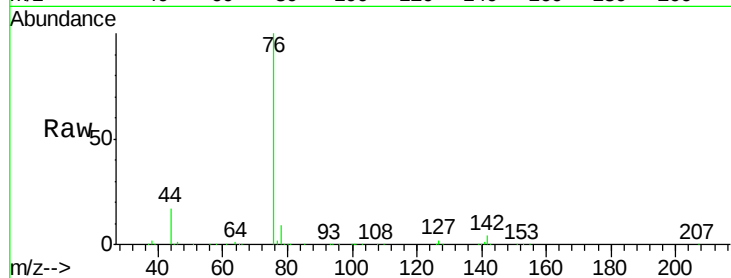
VSTDCCC050

Tot Ion: 76 Resp: 1554049

Ion Ratio Lower Upper

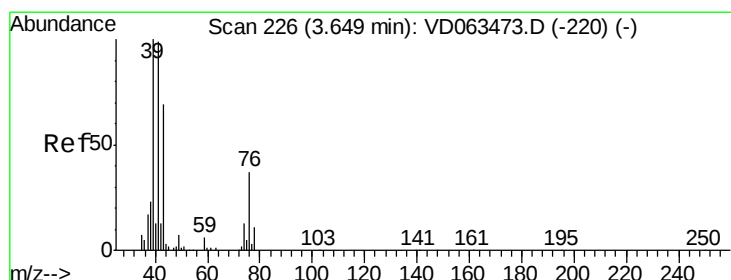
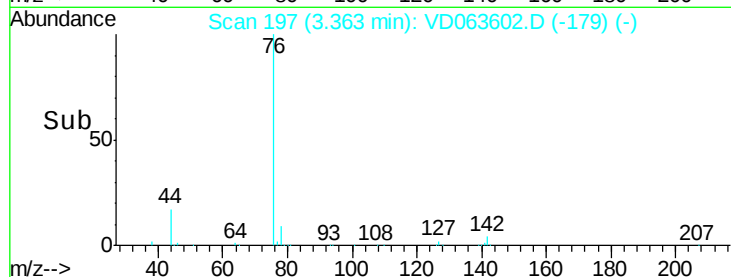
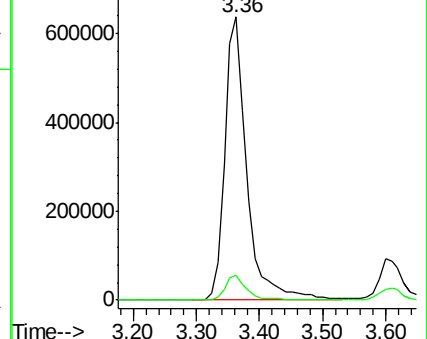
76 100

78 8.8 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: 45.607 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD063602.D

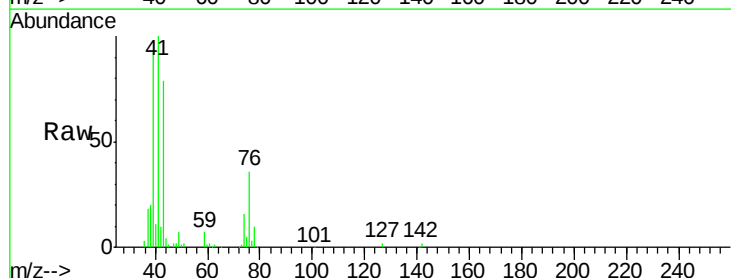
Acq: 15 Aug 2019 13:28

Tgt Ion: 43 Resp: 217170

Ion Ratio Lower Upper

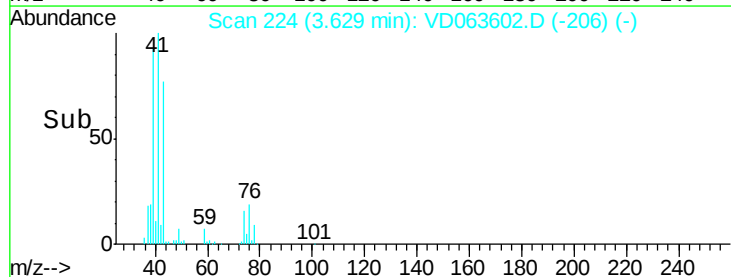
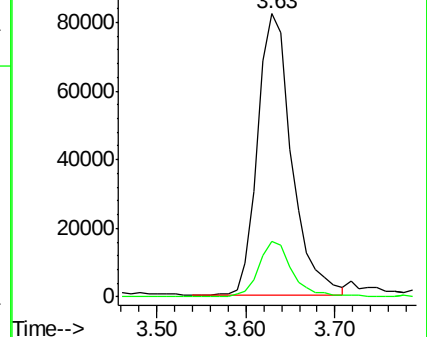
43 100

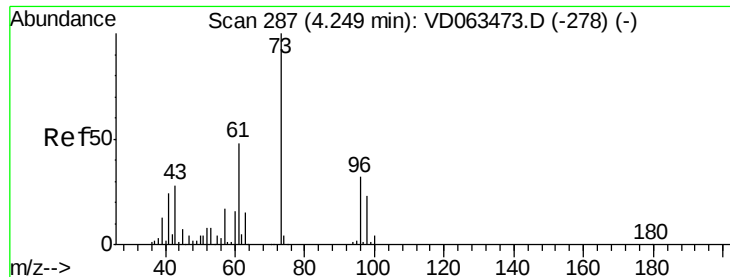
74 19.8 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

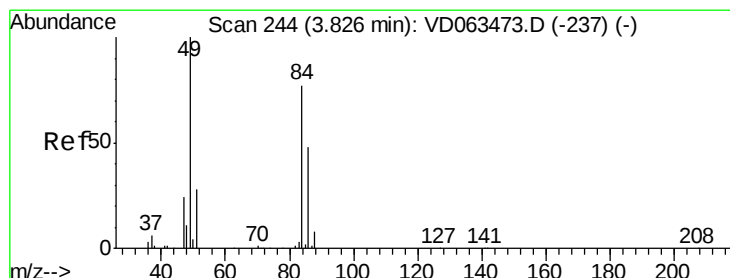
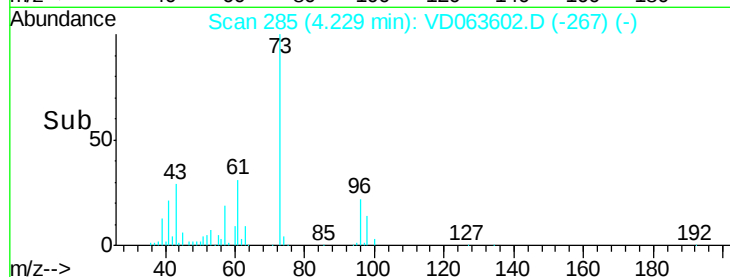
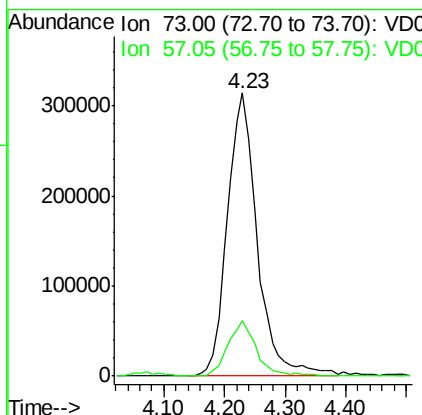
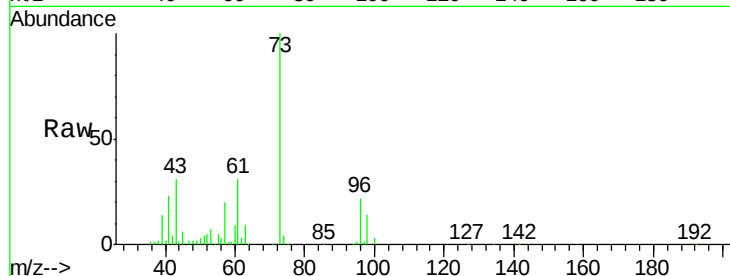




#19
Methvl tert-butvl Ether
Concen: 57.640 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

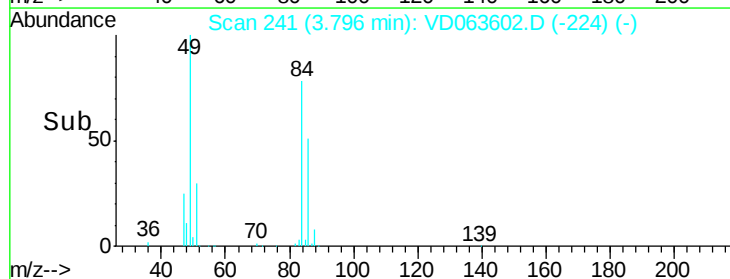
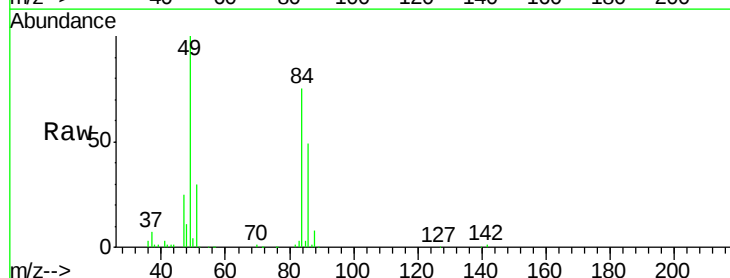
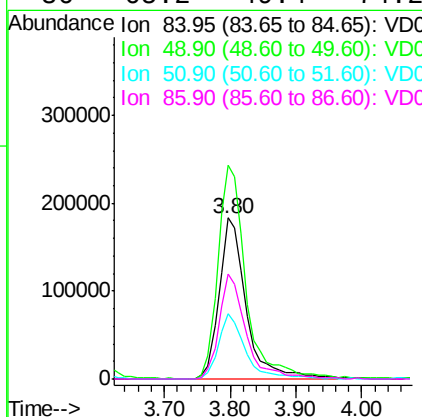
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

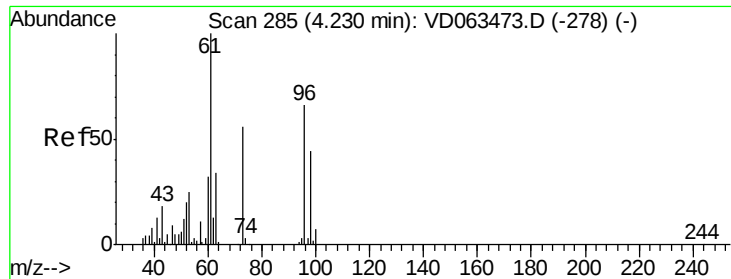
Tot Ion: 73 Resp: 1077651
Ion Ratio Lower Upper
73 100
57 19.5 14.0 21.0



#20
Methylene Chloride
Concen: 48.302 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

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





#21

trans-1,2-Dichloroethene

Concen: 56.272 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

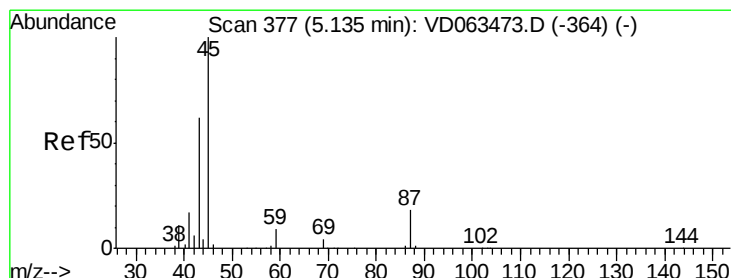
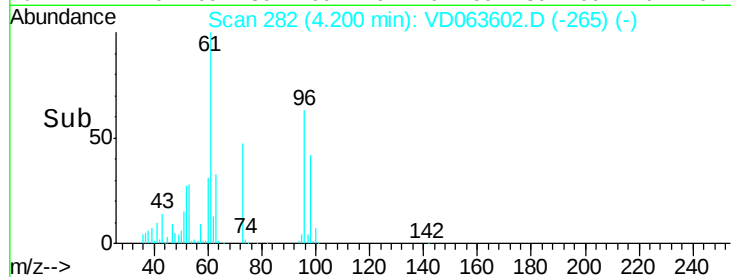
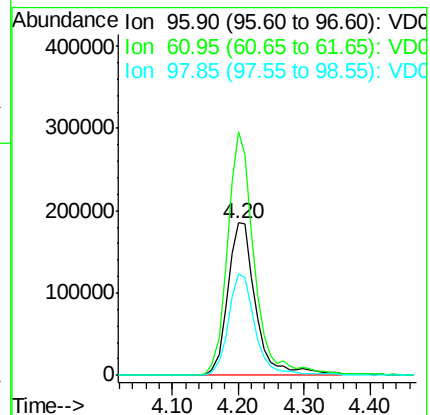
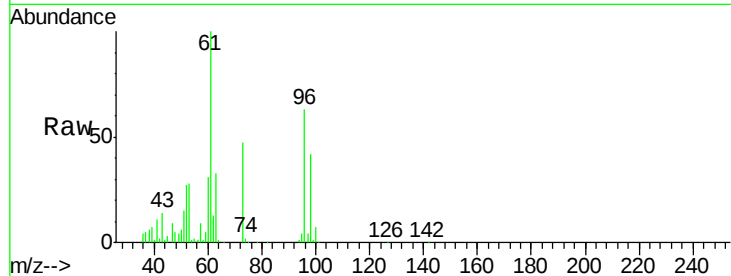
Tot Ion: 96 Resp: 553587

Ion Ratio Lower Upper

96 100

61 159.5 121.7 182.5

98 66.3 54.2 81.2



#22

Diisopropyl ether

Concen: 52.657 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Tgt Ion: 45 Resp: 1527073

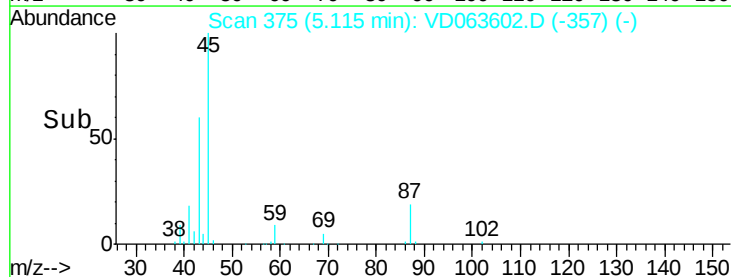
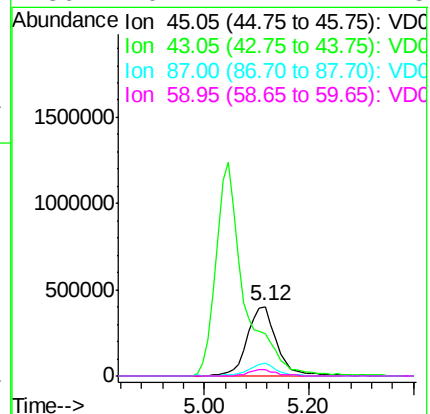
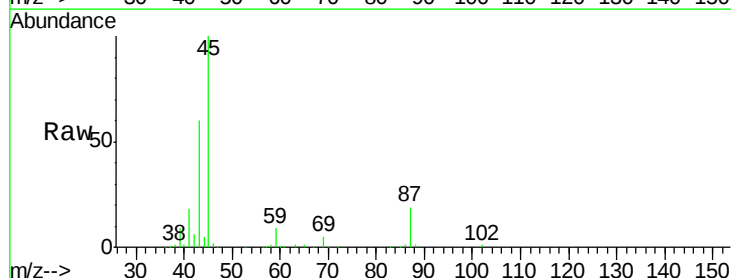
Ion Ratio Lower Upper

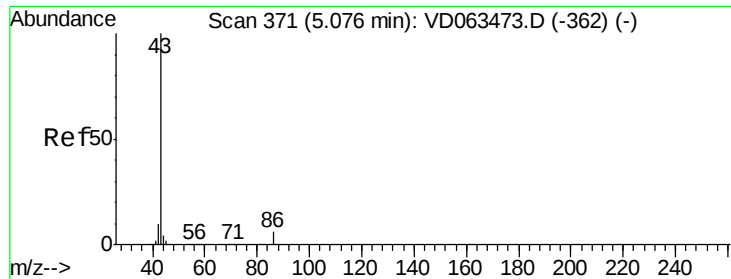
45 100

43 60.0 50.3 75.5

87 19.1 14.3 21.5

59 9.4 7.7 11.5





#23

Vinyl Acetate

Concen: 274.066 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

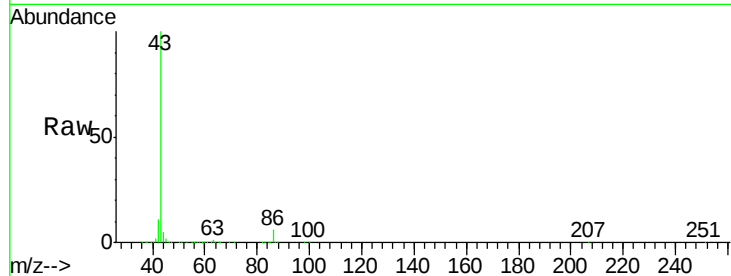
VSTDCCC050

Tot Ion: 43 Resp: 4620597

Ion Ratio Lower Upper

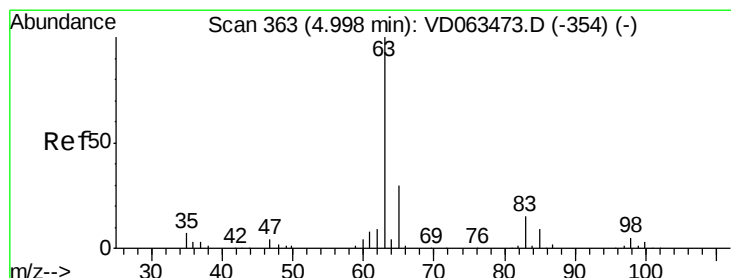
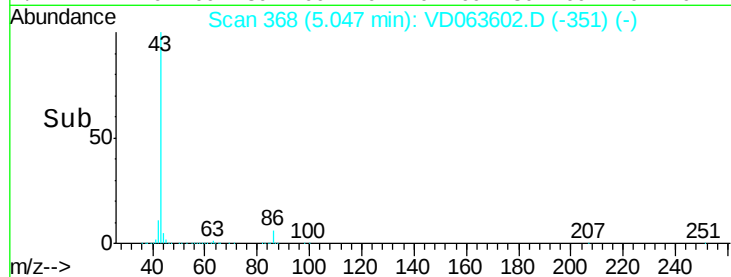
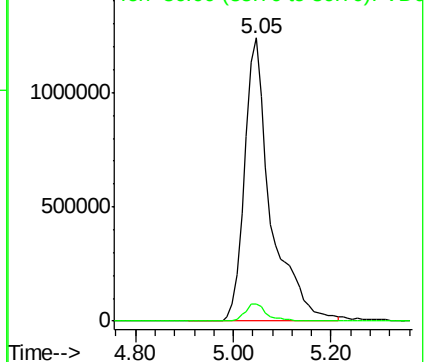
43 100

86 6.2 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.605 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

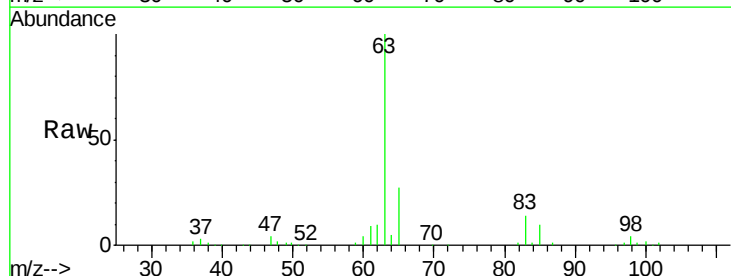
Tgt Ion: 63 Resp: 964176

Ion Ratio Lower Upper

63 100

98 4.1 2.4 7.2

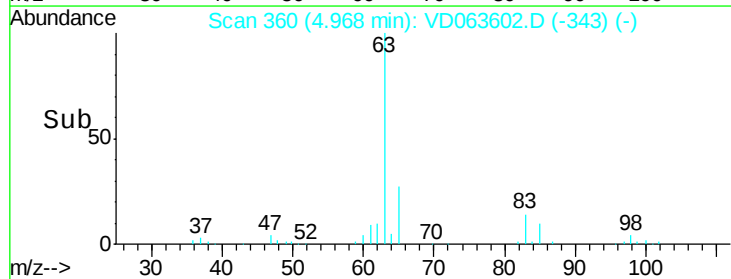
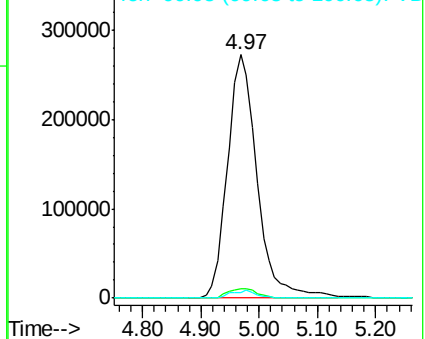
100 2.3 1.3 3.8

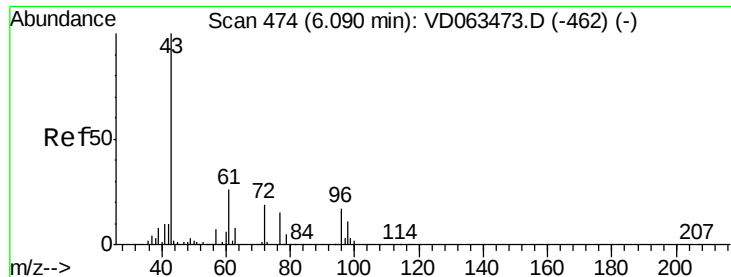


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 275.261 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

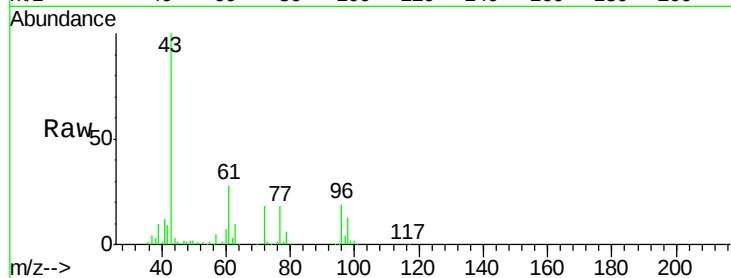
VSTDCCC050

Tot Ion: 43 Resp: 683436

Ion Ratio Lower Upper

43 100

72 17.7 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

250000

200000

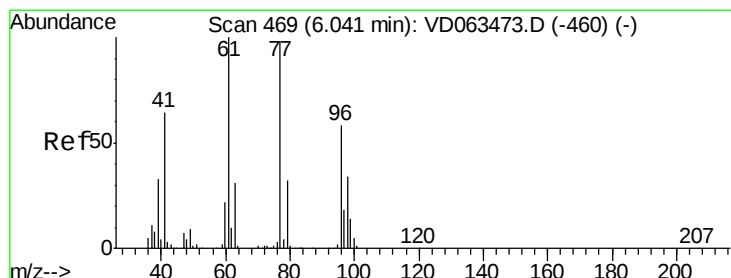
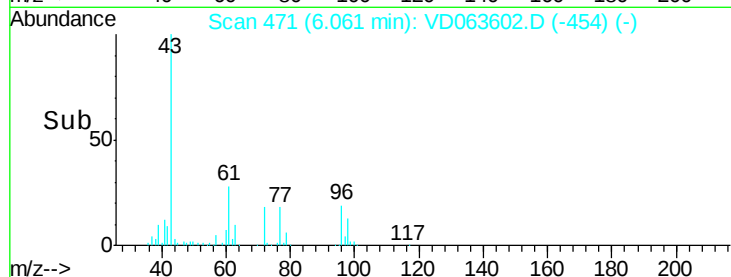
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#26

2,2-Dichloropropane

Concen: 57.122 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD063602.D

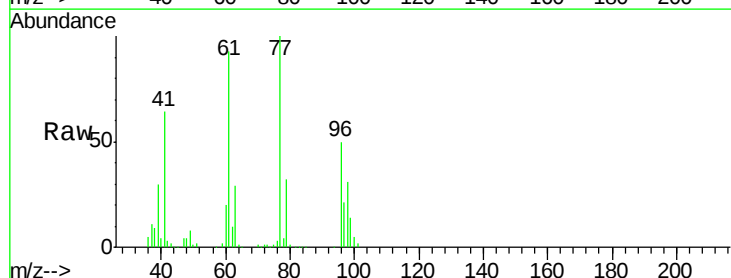
Acq: 15 Aug 2019 13:28

Tgt Ion: 77 Resp: 1023370

Ion Ratio Lower Upper

77 100

97 20.9 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.01

300000

250000

200000

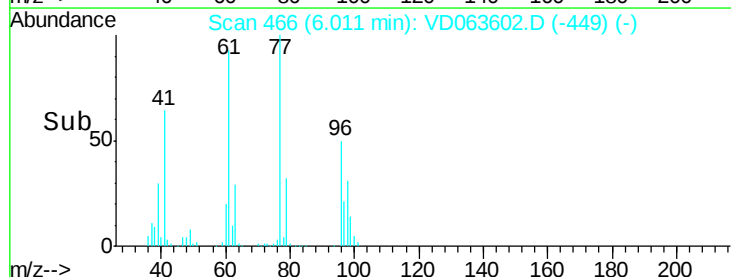
150000

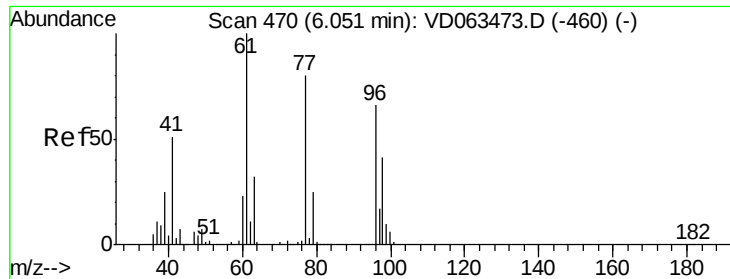
100000

50000

0

Time--> 5.80 5.90 6.00 6.10 6.20



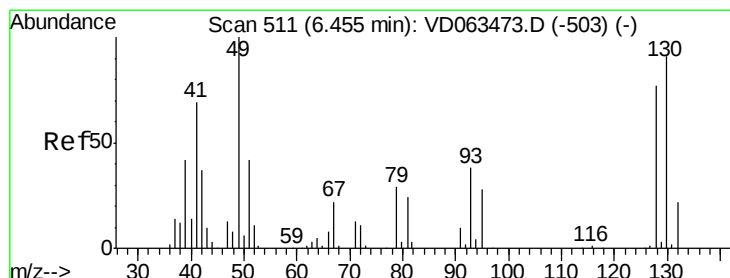
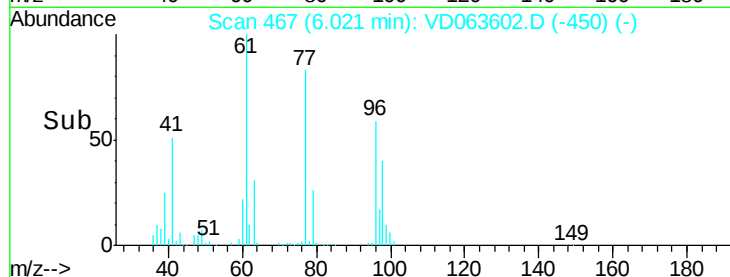
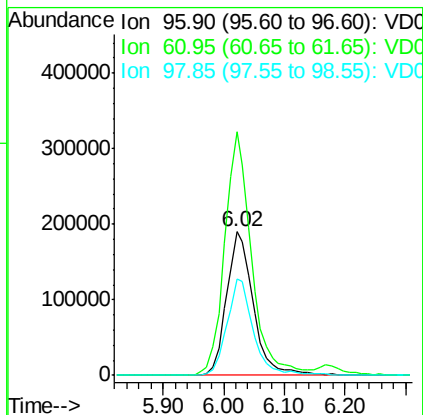
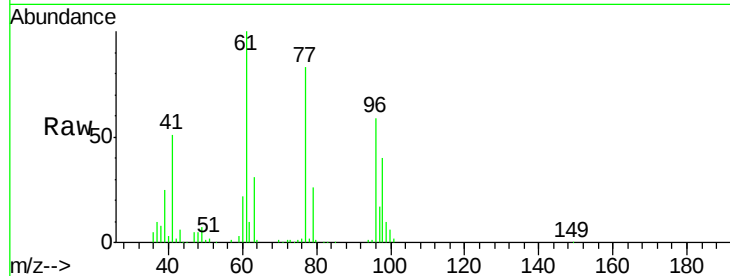


#27

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

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

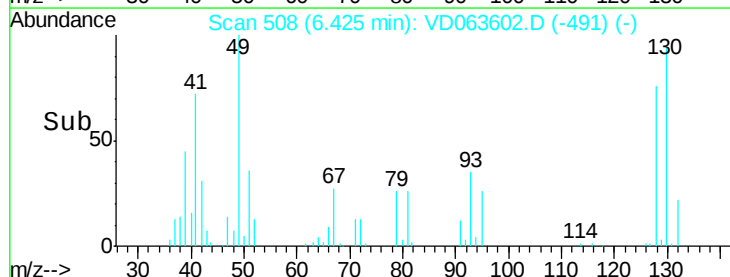
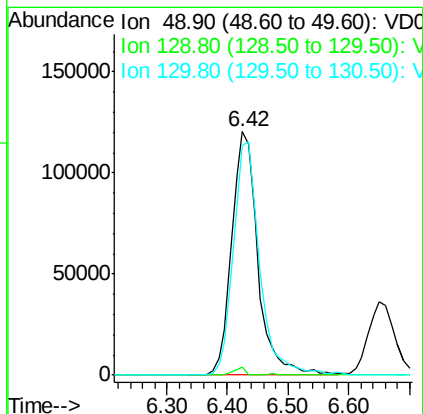
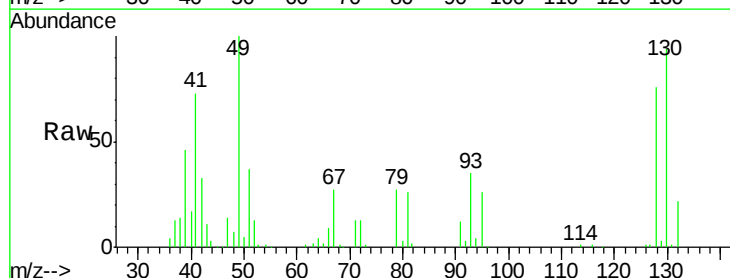
Tot Ion: 96 Resp: 581170
 Ion Ratio Lower Upper
 96 100
 61 169.8 0.0 304.0
 98 67.2 0.0 124.8

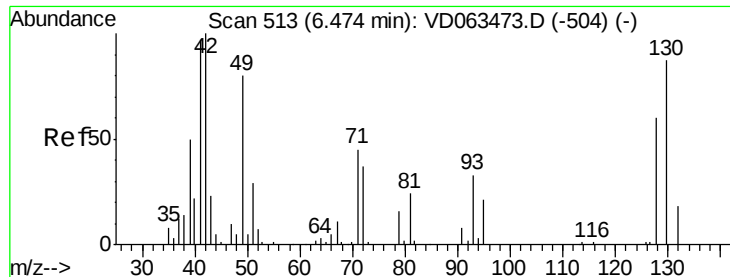


#28

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

Tgt Ion: 49 Resp: 361415
 Ion Ratio Lower Upper
 49 100
 129 3.2 0.0 6.4
 130 94.3 72.4 108.6

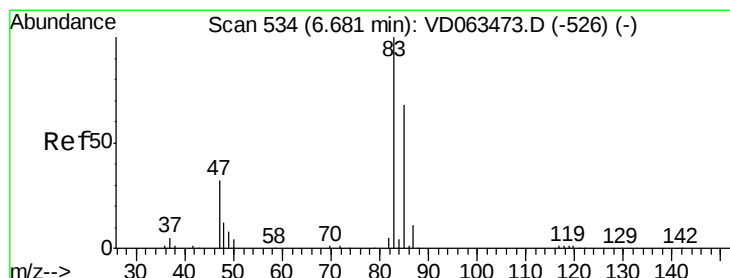
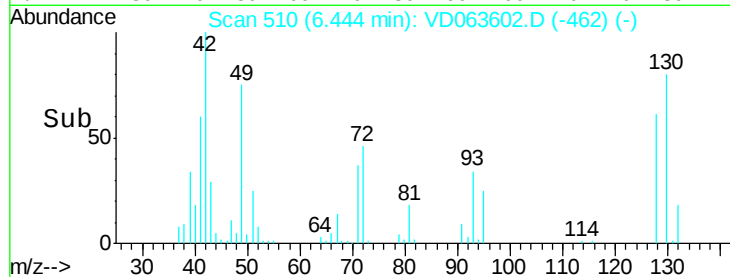
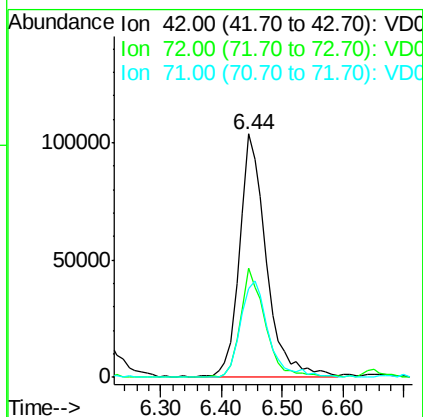
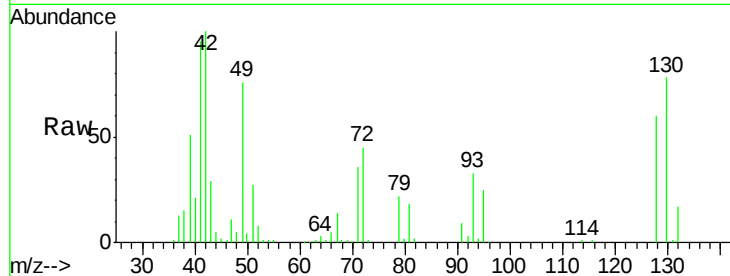




#29
Tetrahydrofuran
Concen: 275.365 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.03 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

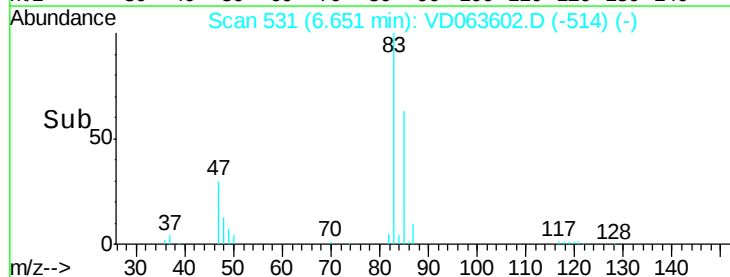
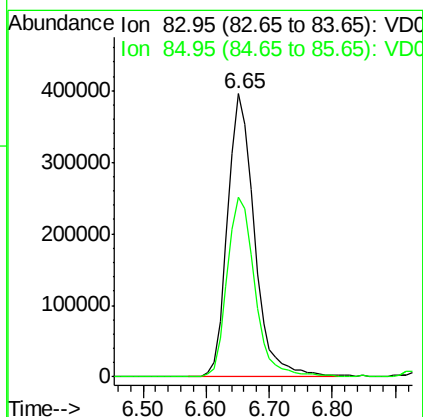
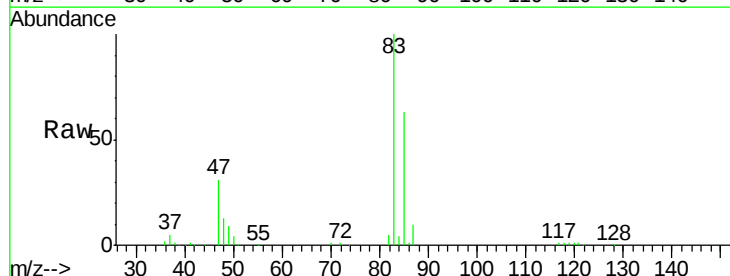
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

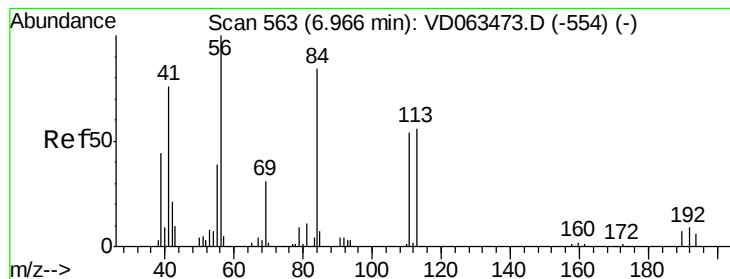
Tot Ion: 42 Resp: 318584
Ion Ratio Lower Upper
42 100
72 41.2 31.5 47.3
71 41.3 33.8 50.8



#30
Chloroform
Concen: 52.138 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.03 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion: 83 Resp: 1165670
Ion Ratio Lower Upper
83 100
85 63.5 54.8 82.2





#31

Cyclohexane

Concen: 54.341 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

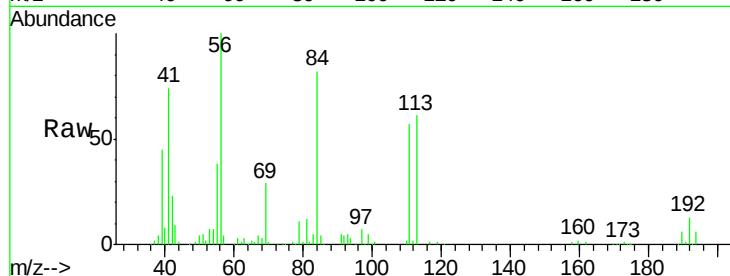
Tot Ion: 56 Resp: 606796

Ion Ratio Lower Upper

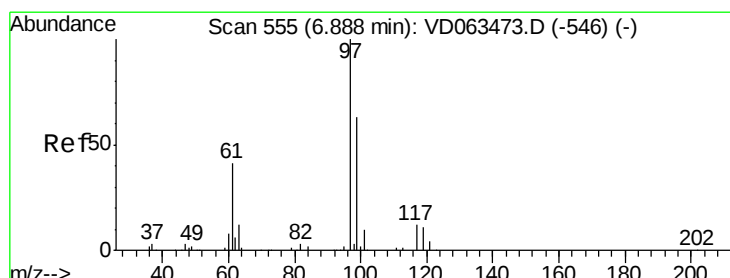
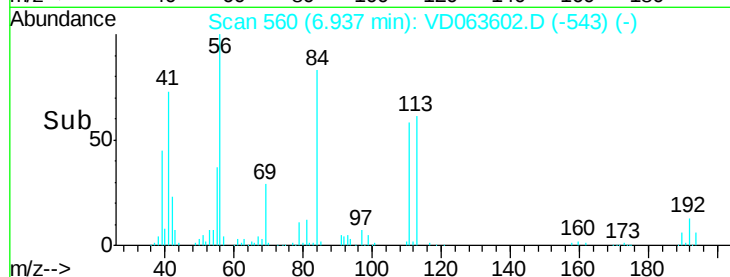
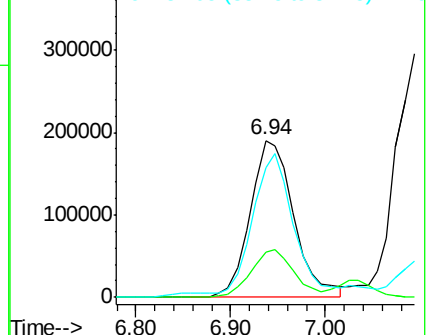
56 100

69 28.8 25.0 37.6

84 82.4 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 53.913 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

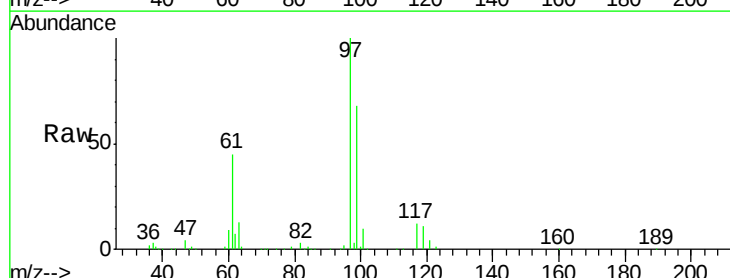
Tgt Ion: 97 Resp: 1153019

Ion Ratio Lower Upper

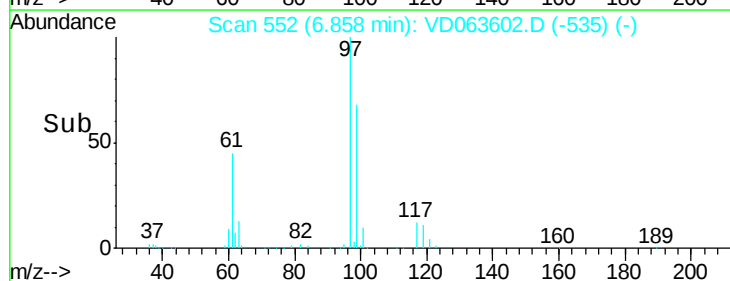
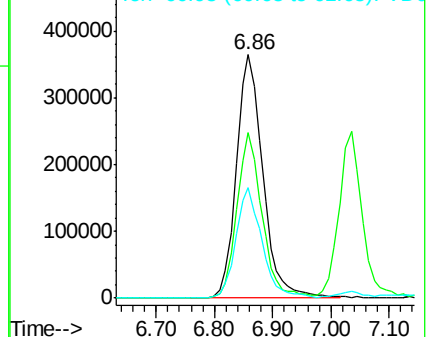
97 100

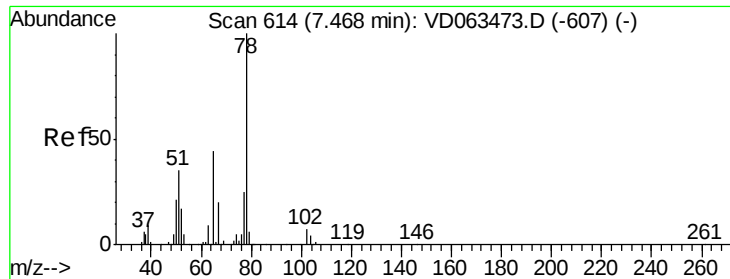
99 68.2 50.2 75.4

61 45.4 33.1 49.7



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

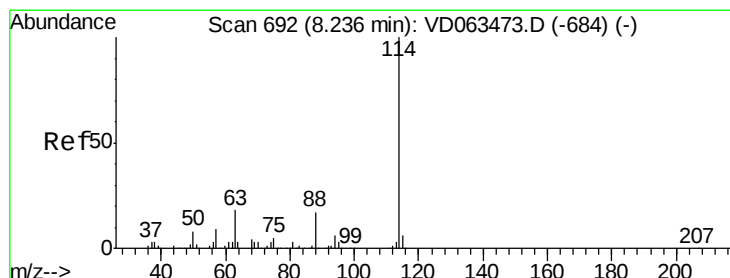
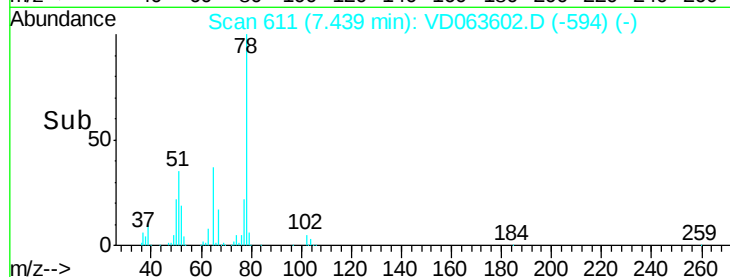
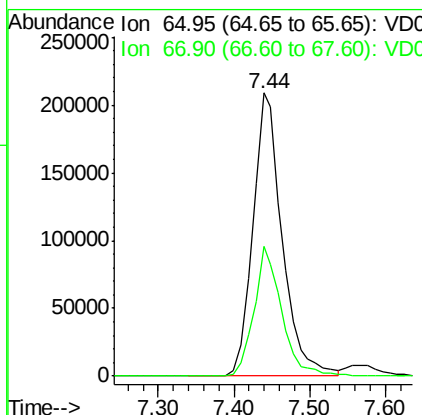
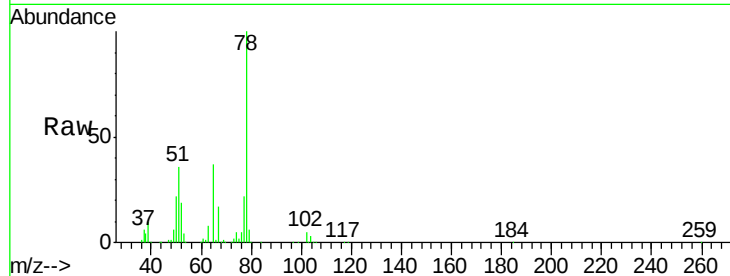




#33
 1,2-Dichloroethane-d4
 Concen: 45.499 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

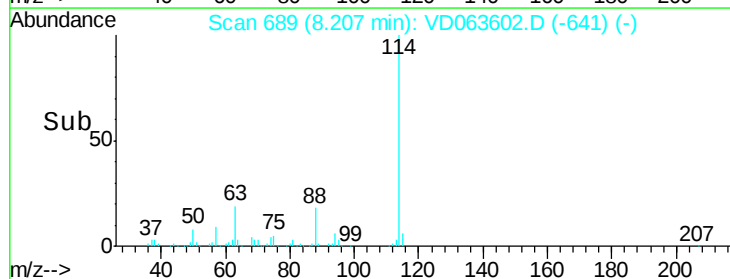
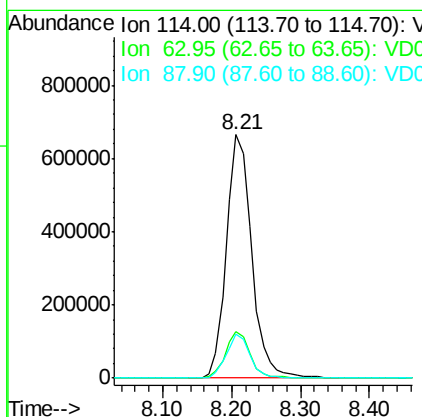
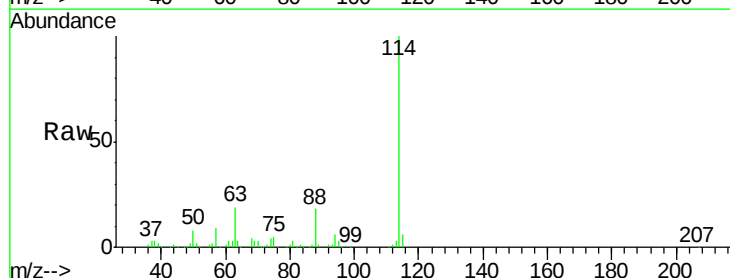
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

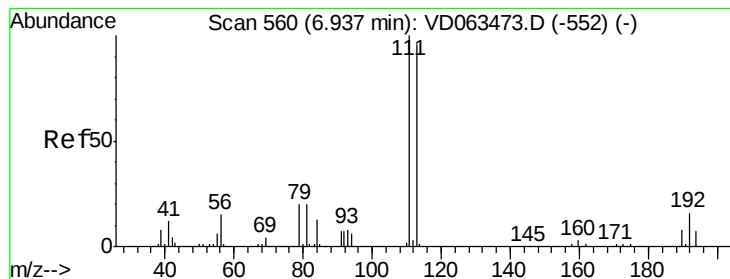
Tot Ion: 65 Resp: 562687
 Ion Ratio Lower Upper
 65 100
 67 45.7 0.0 89.2



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

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





#35

Dibromofluoromethane

Concen: 47.977 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

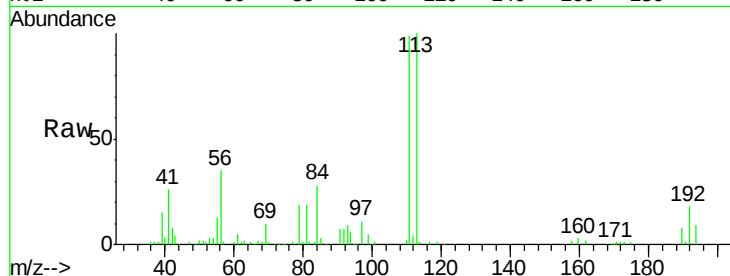
Tot Ion:113 Resp: 683988

Ion Ratio Lower Upper

113 100

111 98.9 83.1 124.7

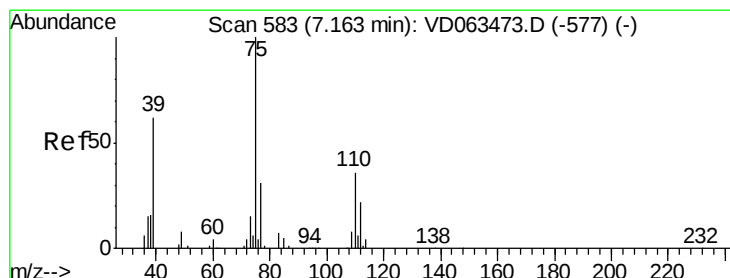
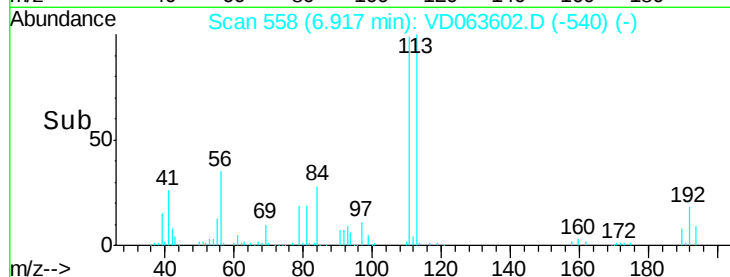
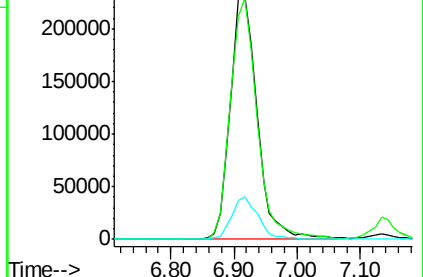
192 17.5 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.558 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

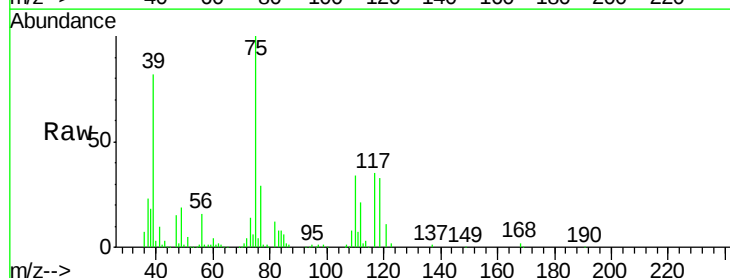
Tgt Ion: 75 Resp: 786505

Ion Ratio Lower Upper

75 100

110 33.8 17.6 52.8

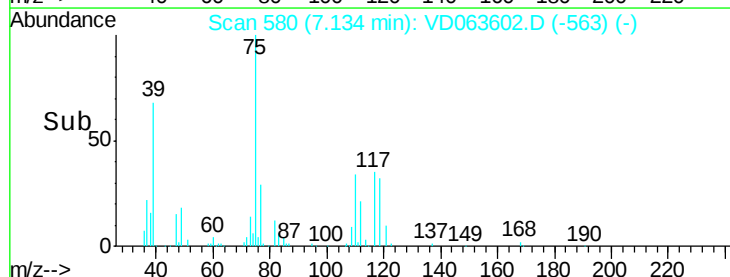
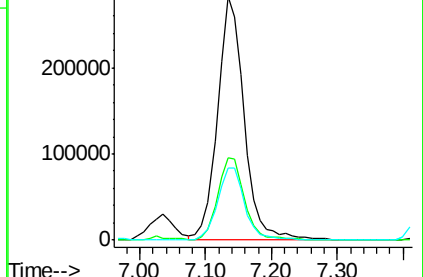
77 29.4 24.3 36.5

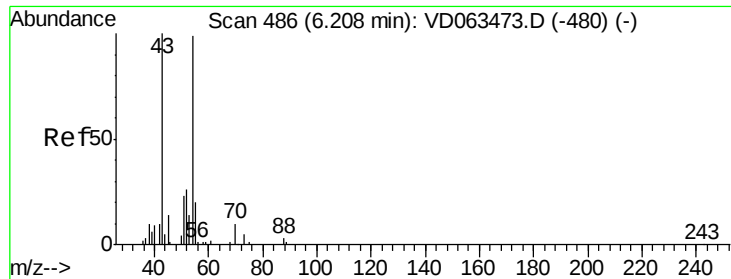


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

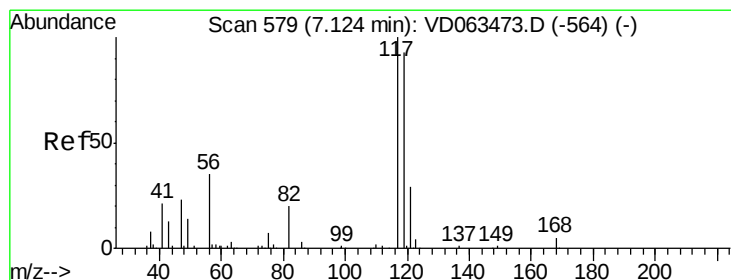
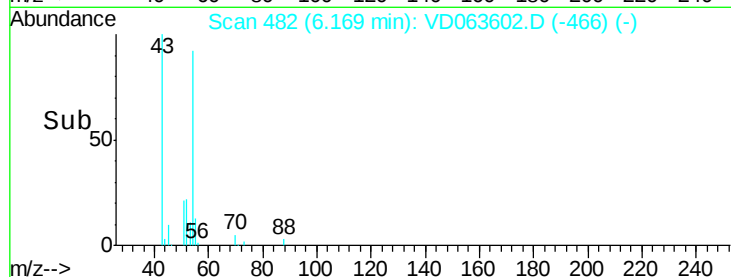
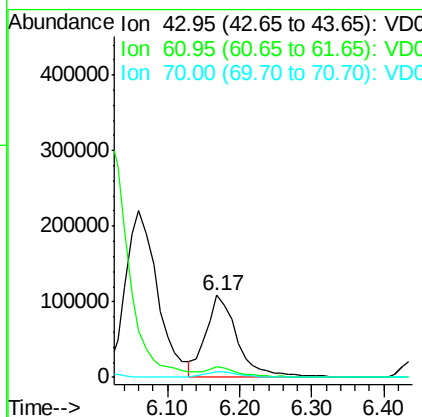
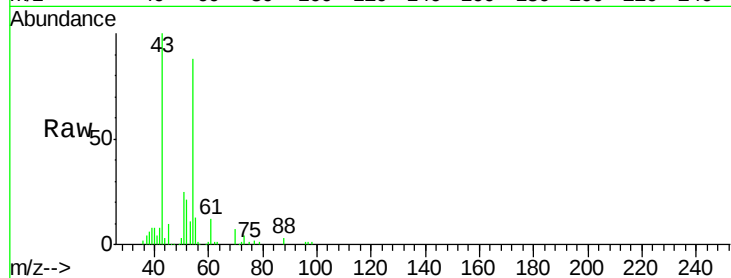




#37
Ethyl Acetate
Concen: 51.455 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.04 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

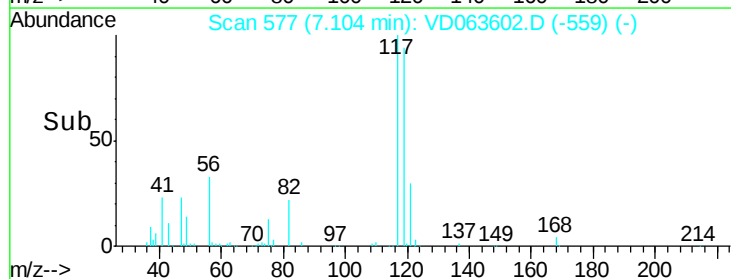
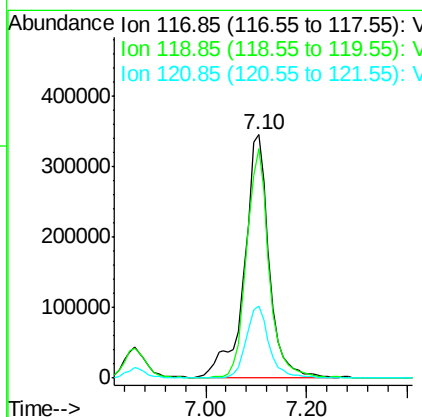
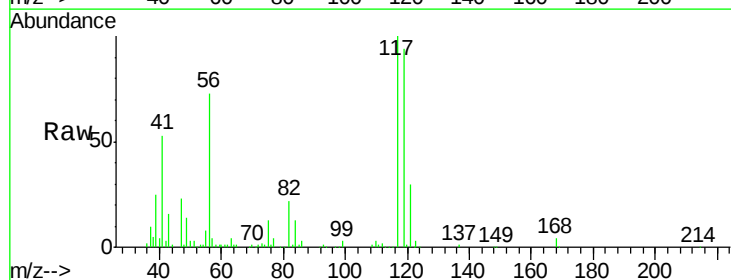
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

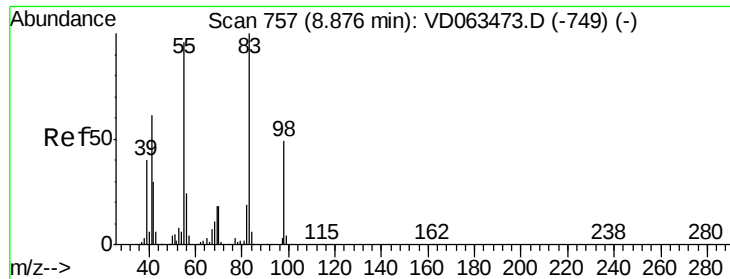
Tot Ion: 43 Resp: 322656
Ion Ratio Lower Upper
43 100
61 12.2 9.0 13.6
70 7.2 6.9 10.3



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

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

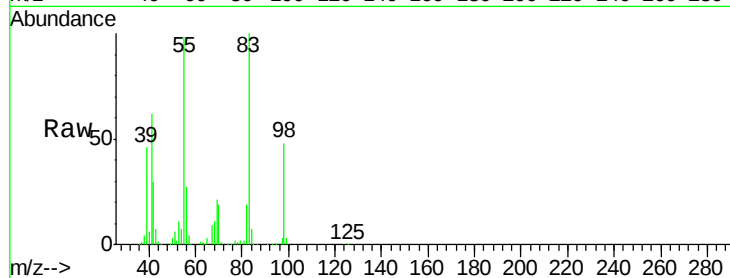




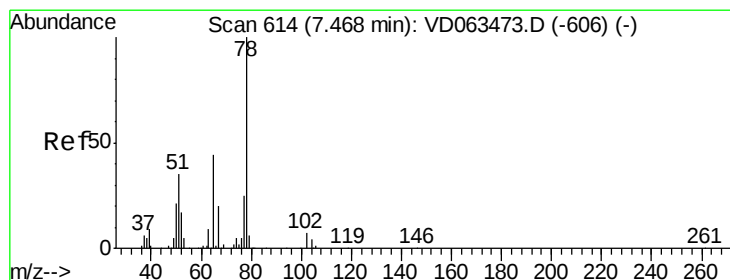
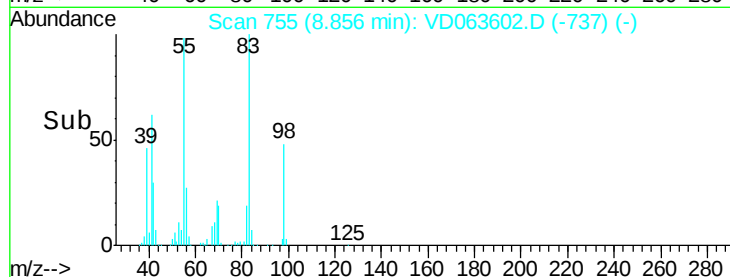
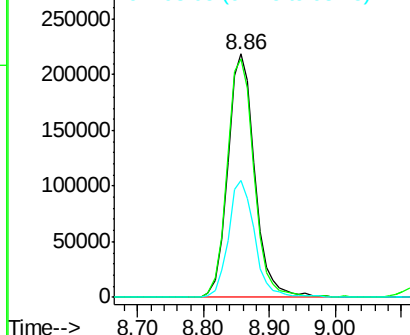
#39
Methvlcvclohexane
Concen: 49.108 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

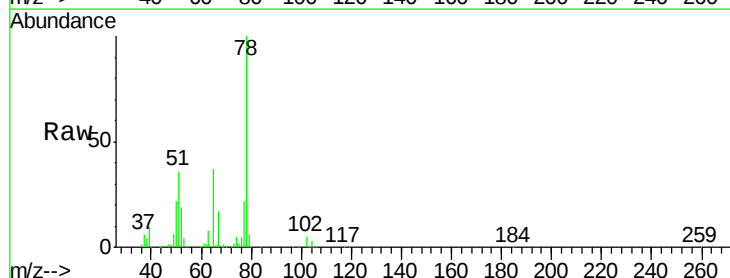


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

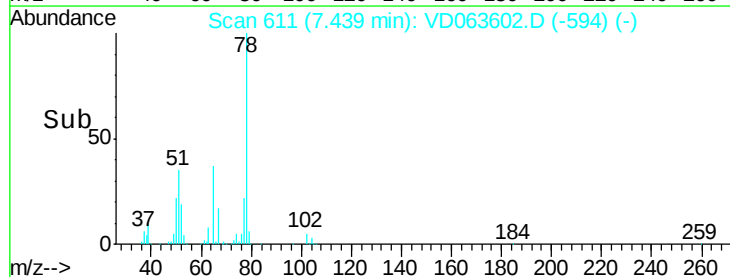
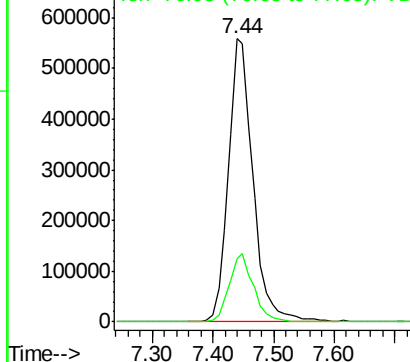


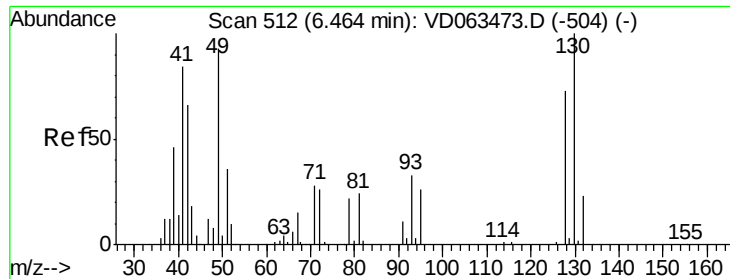
#40
Benzene
Concen: 47.721 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

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



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

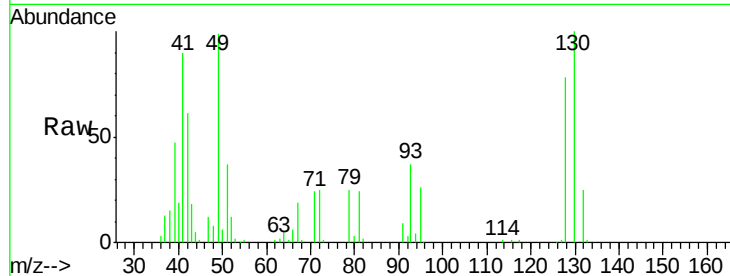




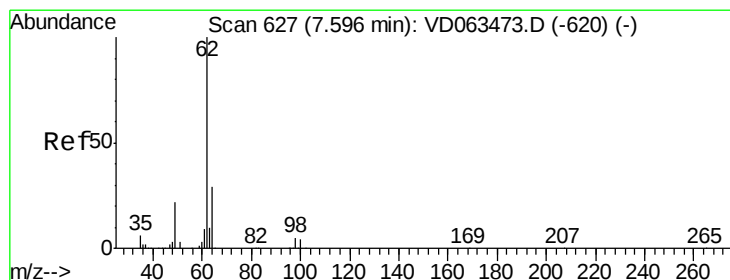
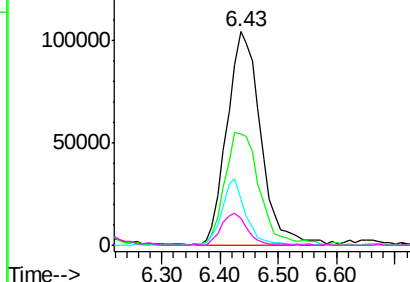
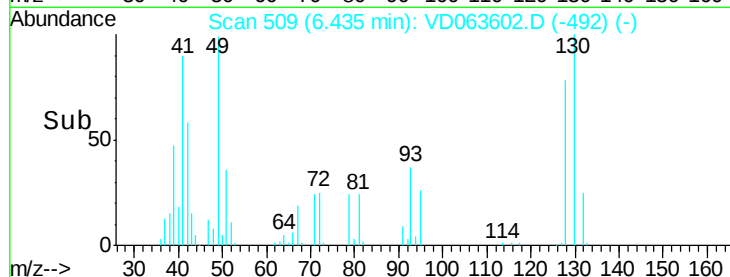
#41
Methacrylonitrile
Concen: 53.284 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.03 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	420699
Ion	Ratio	Lower	Upper
41	100		
39	52.4	44.6	66.8
67	21.5	14.4	21.6
52	12.9	9.3	13.9

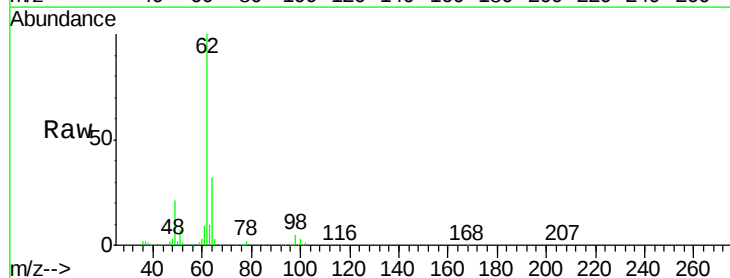


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

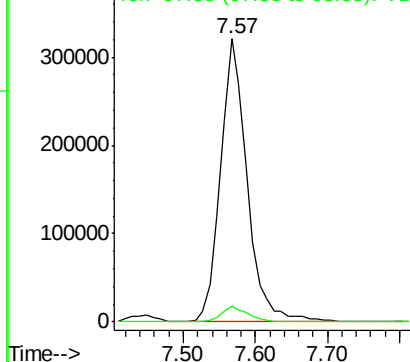
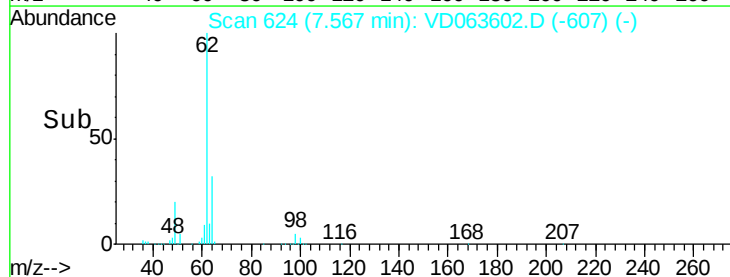


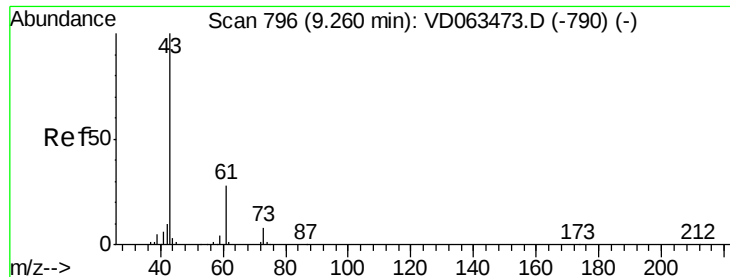
#42
1,2-Dichloroethane
Concen: 49.084 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.03 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion:	62	Resp:	812782
Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	10.4



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





#43

Isopropyl Acetate

Concen: 53.331 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

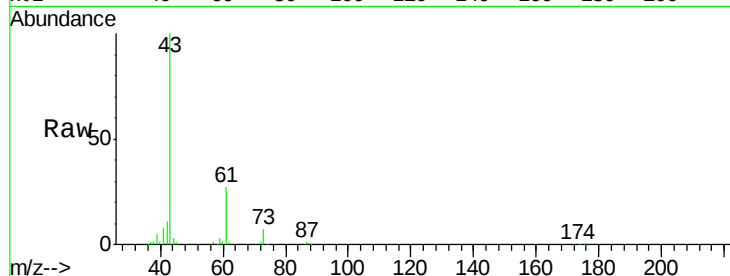
Tot Ion: 43 Resp: 447894

Ion Ratio Lower Upper

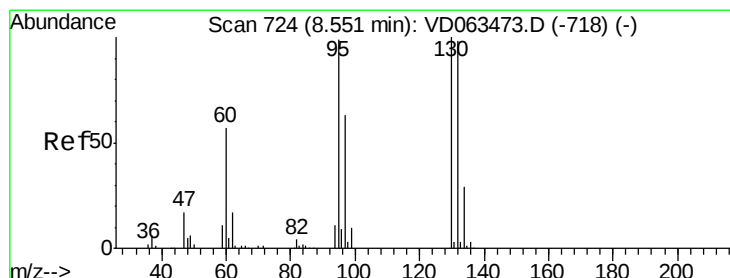
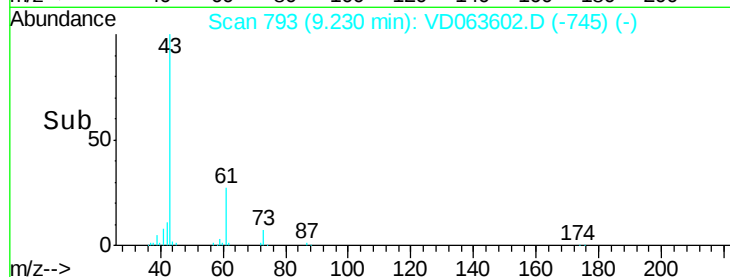
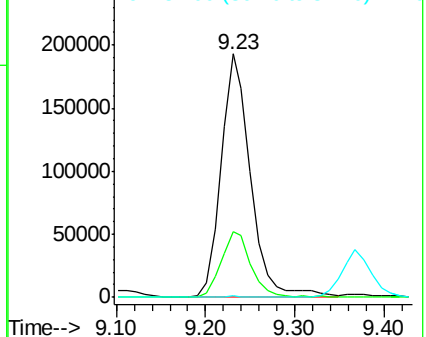
43 100

61 26.9 22.2 33.2

87 0.6 0.2 0.4#



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



#44

Trichloroethene

Concen: 53.906 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063602.D

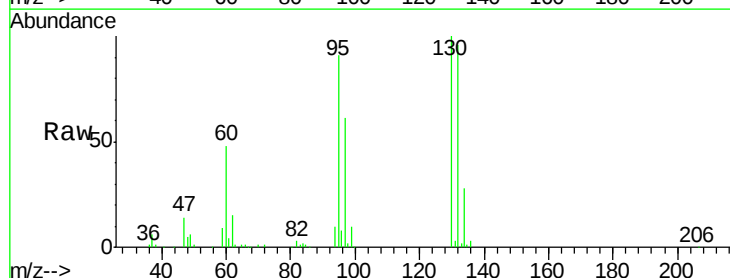
Acq: 15 Aug 2019 13:28

Tgt Ion: 130 Resp: 678527

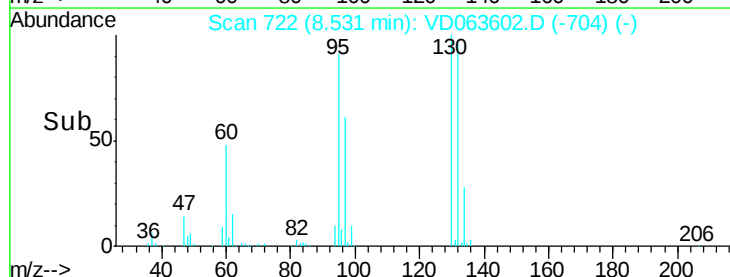
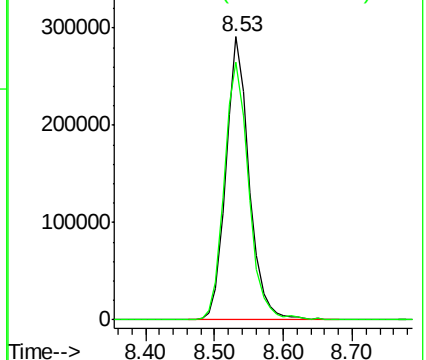
Ion Ratio Lower Upper

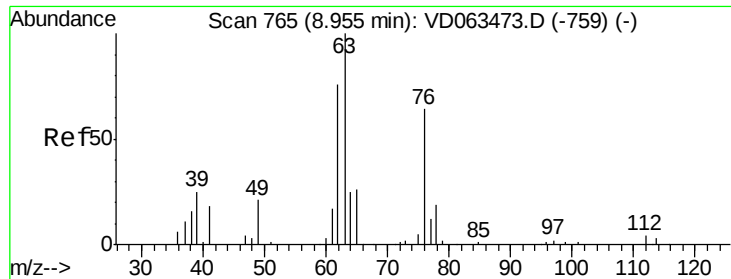
130 100

95 91.1 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.746 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

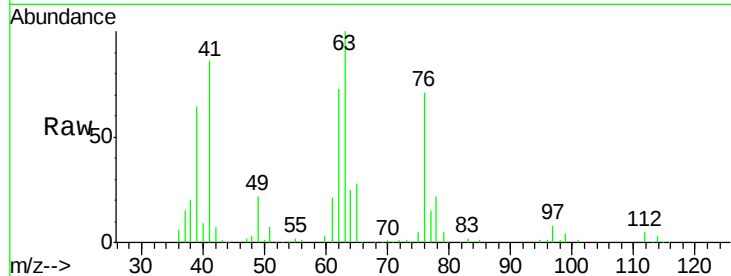
VSTDCCC050

Tot Ion: 63 Resp: 412177

Ion Ratio Lower Upper

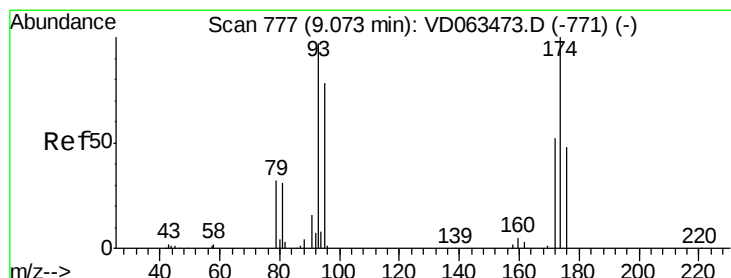
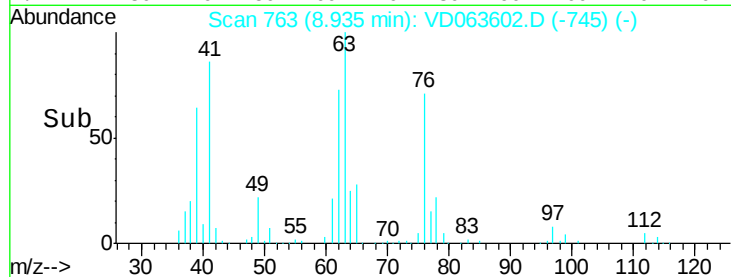
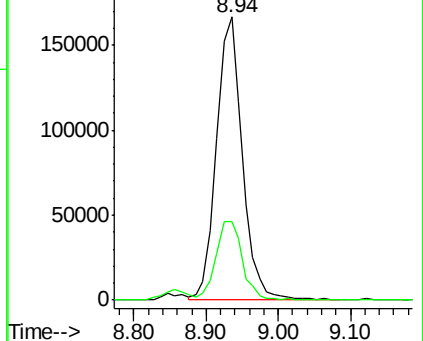
63 100

65 27.6 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: 49.935 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

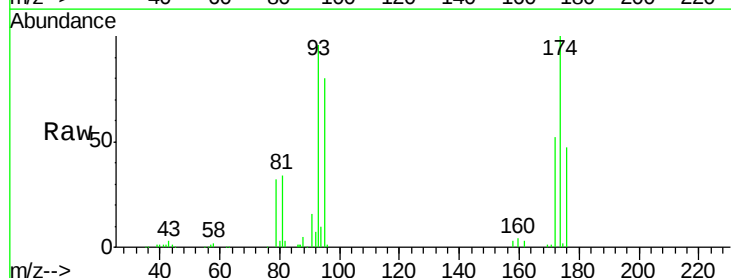
Tgt Ion: 93 Resp: 327031

Ion Ratio Lower Upper

93 100

95 84.2 64.2 96.2

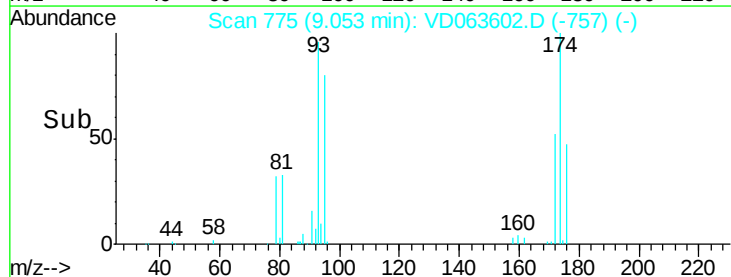
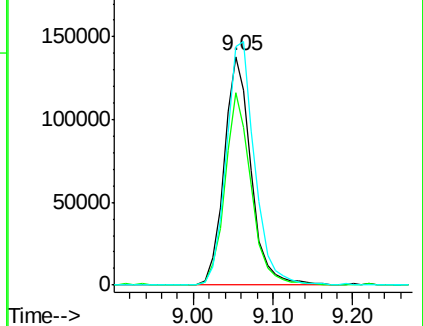
174 104.6 82.1 123.1

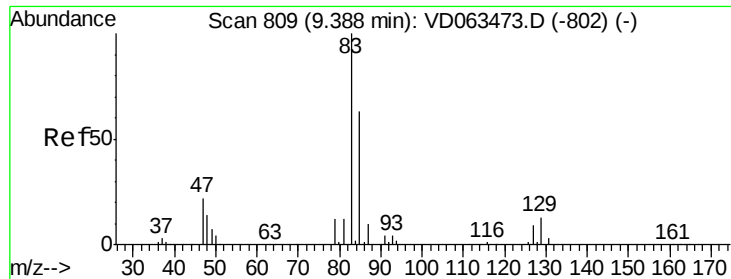


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 51.997 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

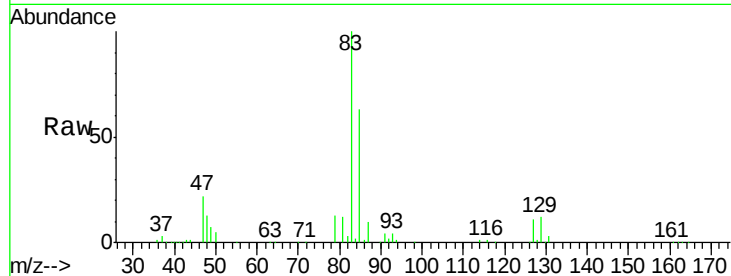
Tot Ion: 83 Resp: 873503

Ion Ratio Lower Upper

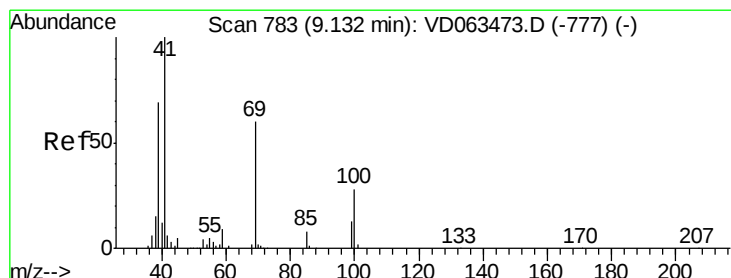
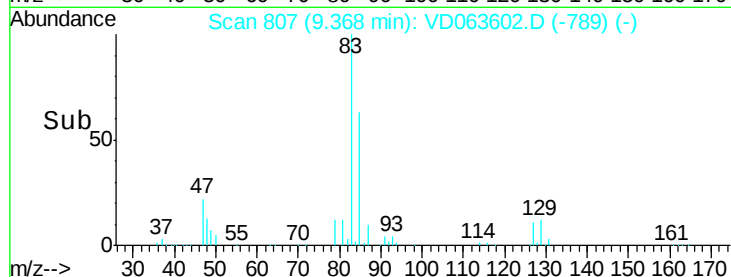
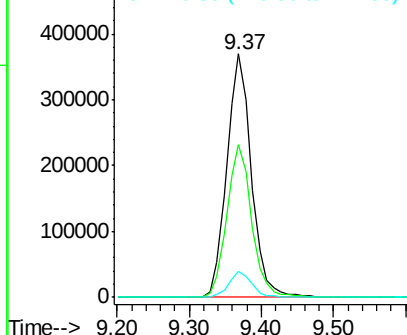
83 100

85 63.0 50.1 75.1

127 10.7 7.6 11.4



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



#48

Methyl methacrylate

Concen: 47.140 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

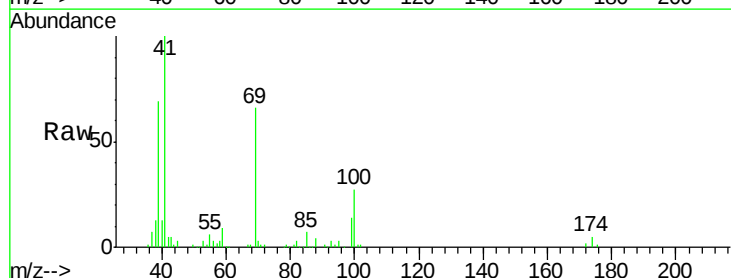
Tgt Ion: 41 Resp: 268487

Ion Ratio Lower Upper

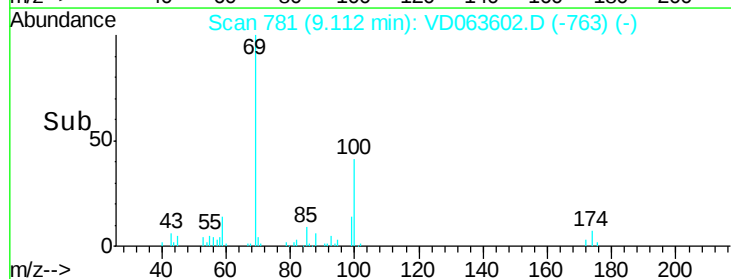
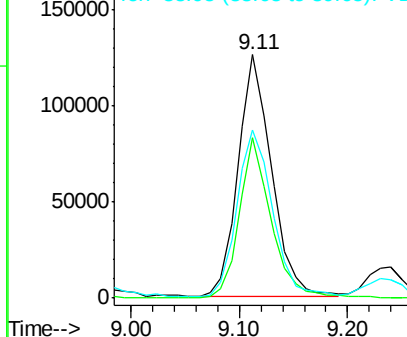
41 100

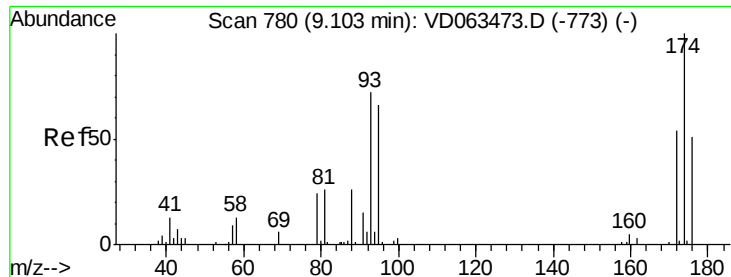
69 65.9 47.6 71.4

39 68.8 55.7 83.5



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

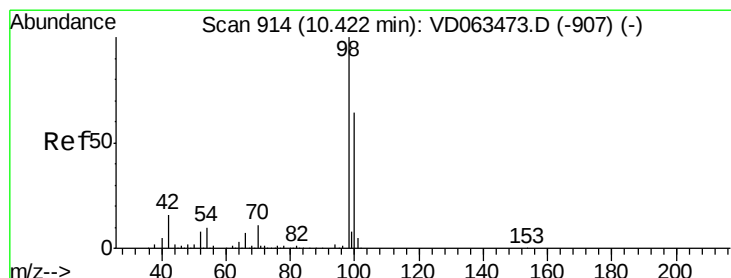
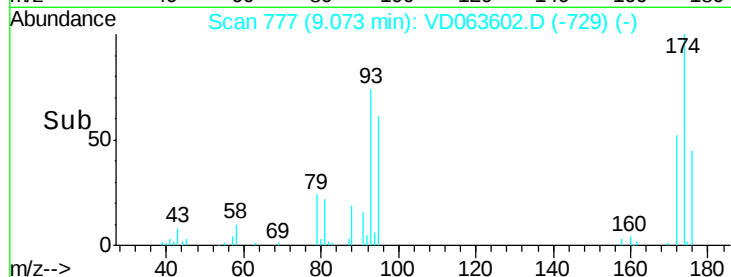
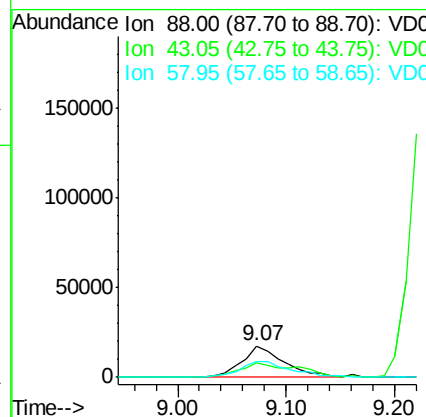
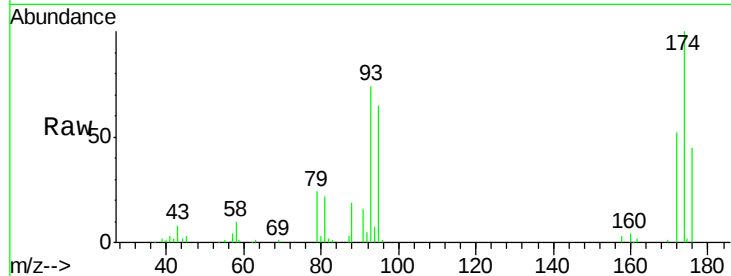




#49
 1,4-Dioxane
 Concen: 934.026 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.03 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

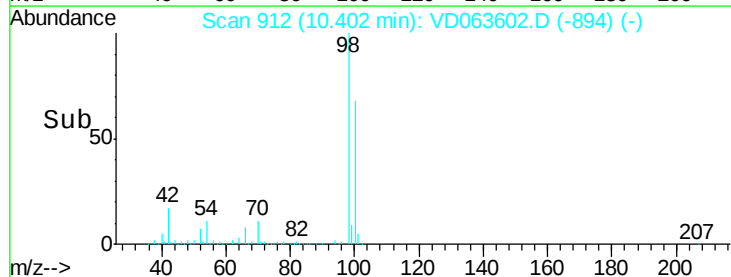
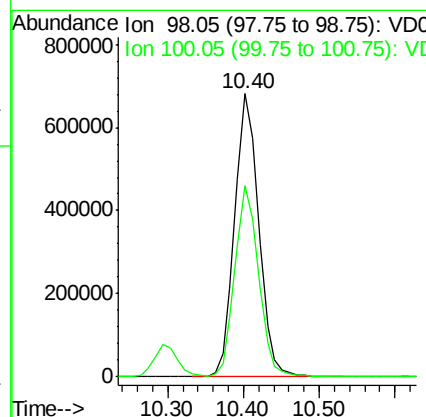
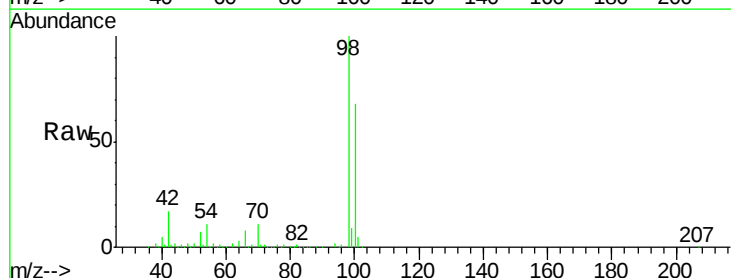
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

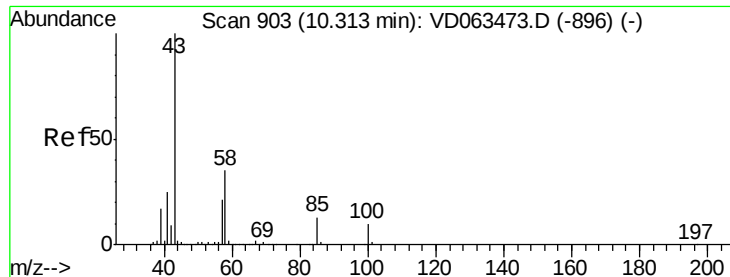
Tot Ion: 88 Resp: 47420
 Ion Ratio Lower Upper
 88 100
 43 44.8 22.9 34.3#
 58 51.4 40.1 60.1



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

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

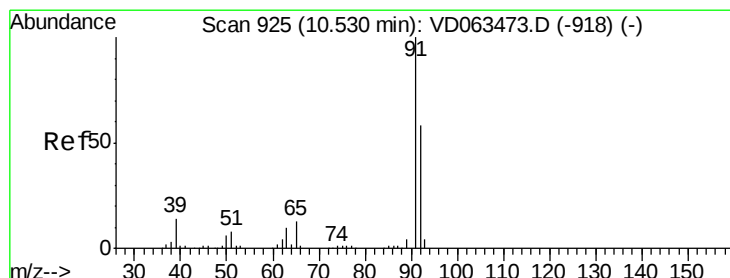
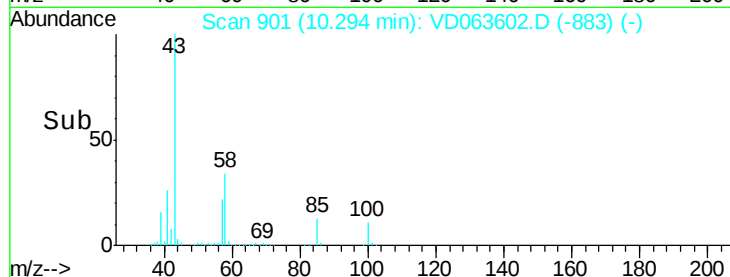
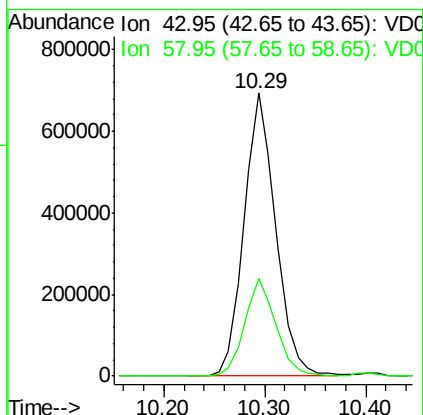
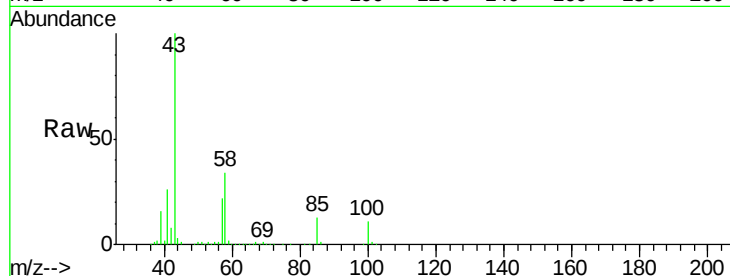




#51
 4-Methyl-2-Pentanone
 Concen: 263.502 ug/l
 RT: 10.29 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

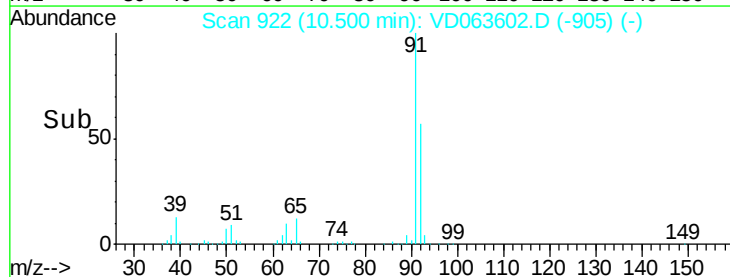
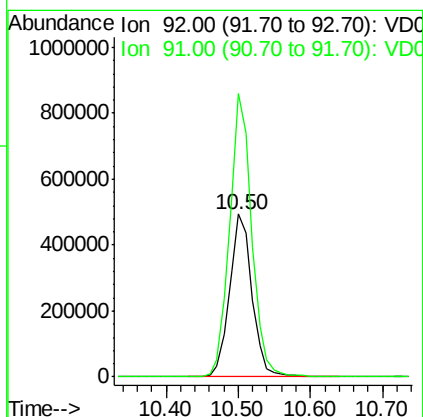
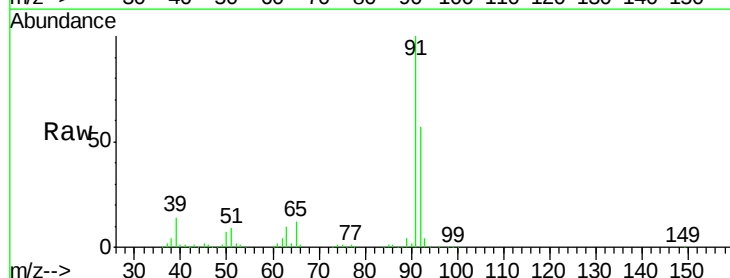
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

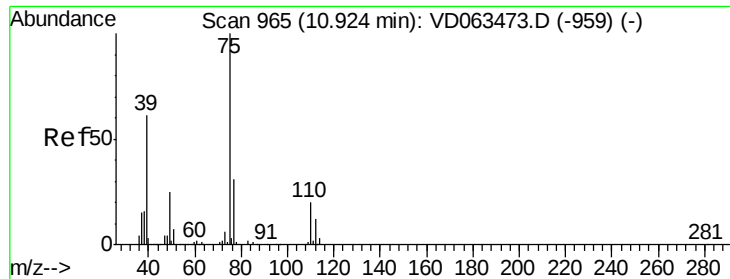
Tot Ion: 43 Resp: 1514282
 Ion Ratio Lower Upper
 43 100
 58 34.4 28.0 42.0



#52
 Toluene
 Concen: 50.407 ug/l
 RT: 10.50 min Scan# 922
 Delta R.T. -0.03 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Tgt Ion: 92 Resp: 1069189
 Ion Ratio Lower Upper
 92 100
 91 174.0 137.9 206.9

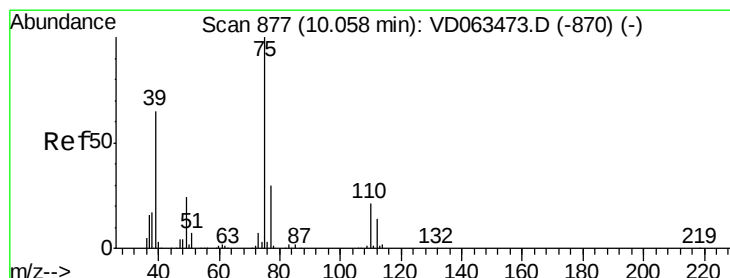
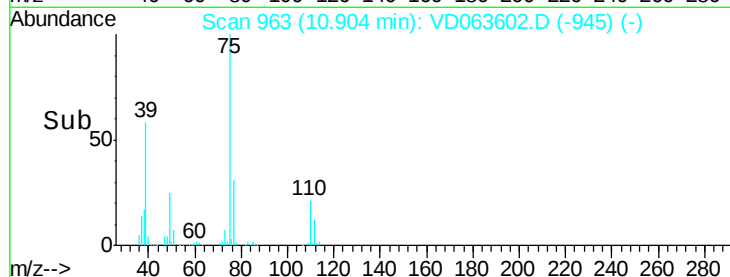
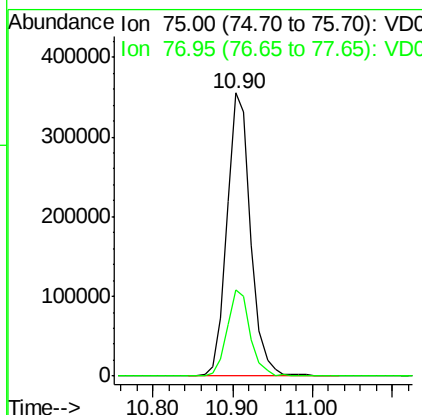
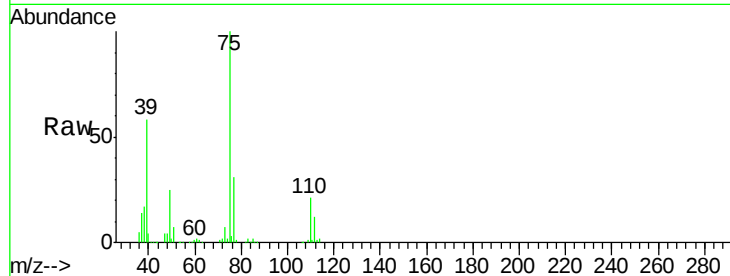




#53
 t-1,3-Dichloropropene
 Concen: 54.155 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

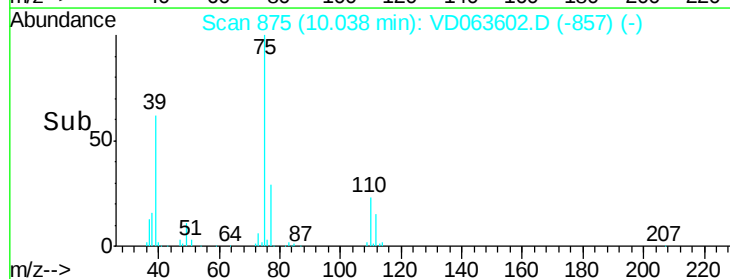
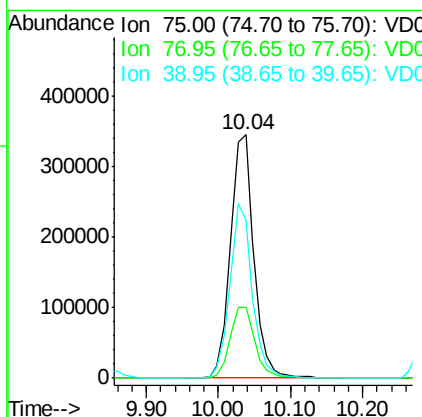
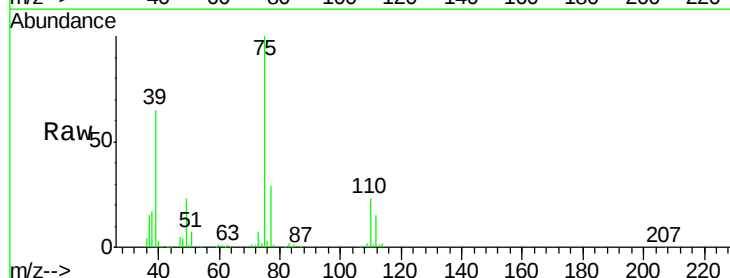
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

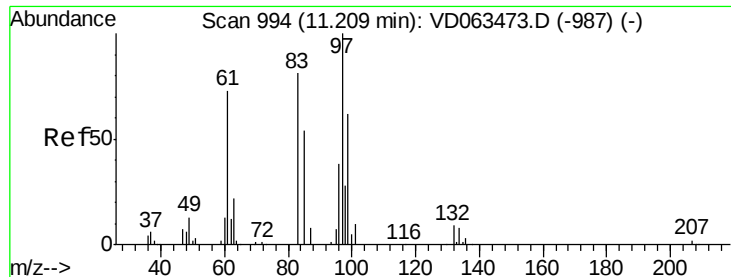
Tot Ion: 75 Resp: 742460
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 50.649 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Tgt Ion: 75 Resp: 782985
 Ion Ratio Lower Upper
 75 100
 77 29.1 23.7 35.5
 39 64.6 52.2 78.4



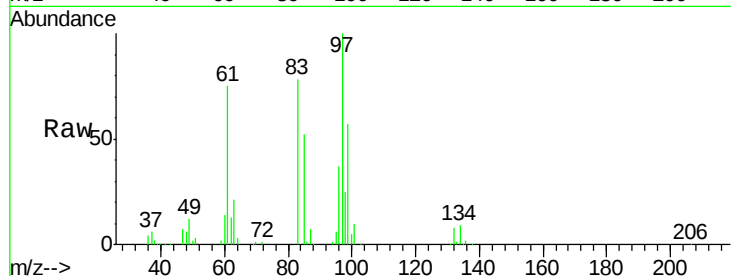


#55
 1,1,2-Trichloroethane
 Concen: 52.819 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

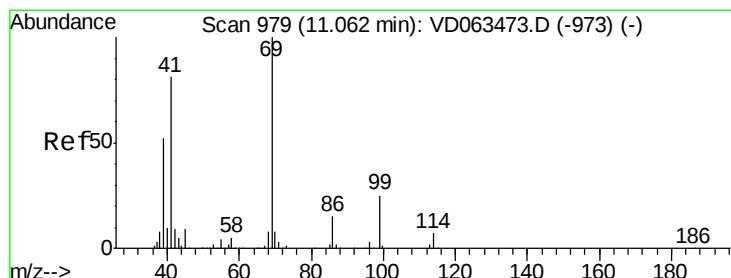
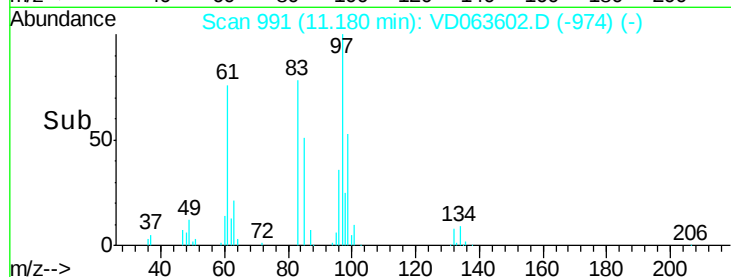
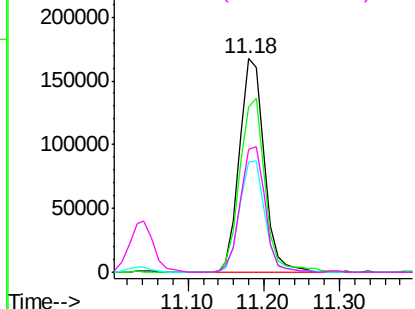
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 378446

Ion	Ratio	Lower	Upper
97	100		
83	77.5	64.7	97.1
85	51.6	42.9	64.3
99	57.4	49.7	74.5



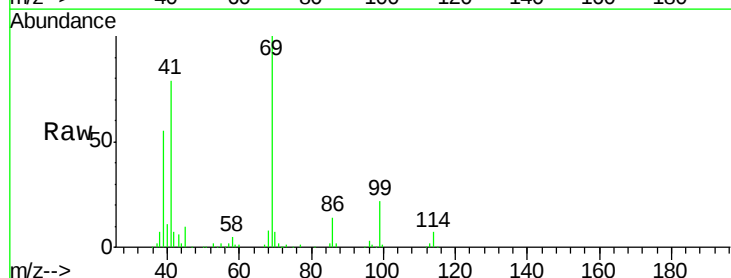
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



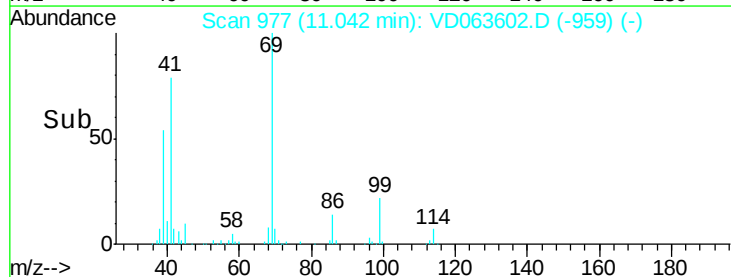
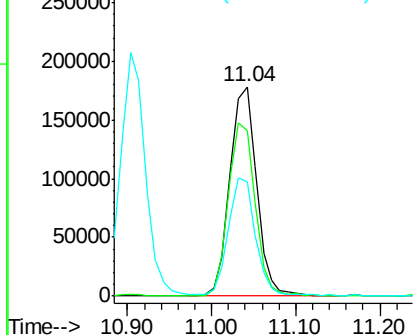
#56
 Ethyl methacrylate
 Concen: 51.063 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

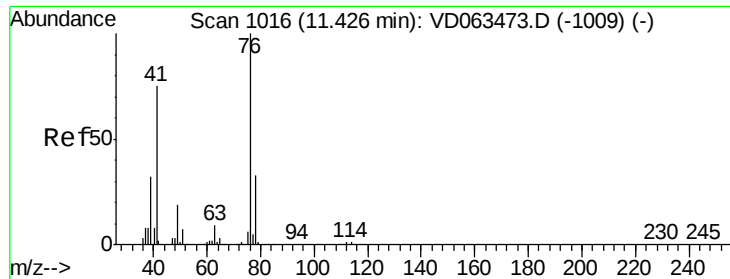
Tgt Ion: 69 Resp: 397111

Ion	Ratio	Lower	Upper
69	100		
41	78.9	64.8	97.2
39	54.9	42.4	63.6



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





#57

1,3-Dichloropropane

Concen: 50.443 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

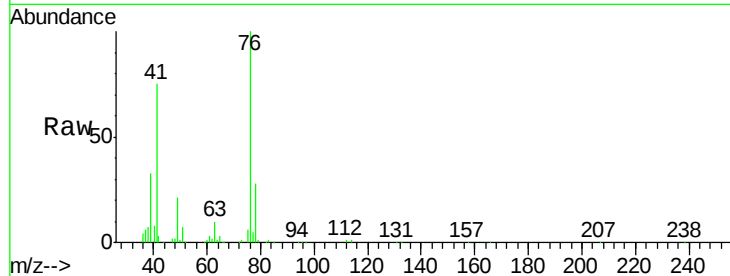
VSTDCCC050

Tot Ion: 76 Resp: 546319

Ion Ratio Lower Upper

76 100

78 28.3 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

250000

200000

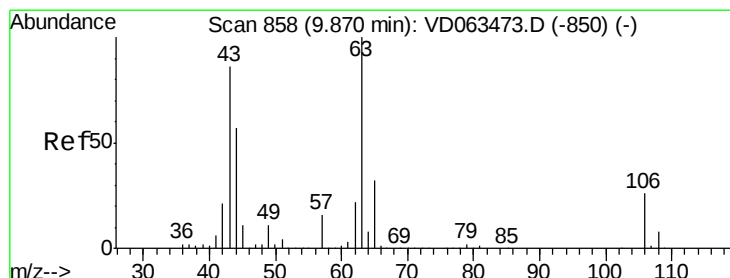
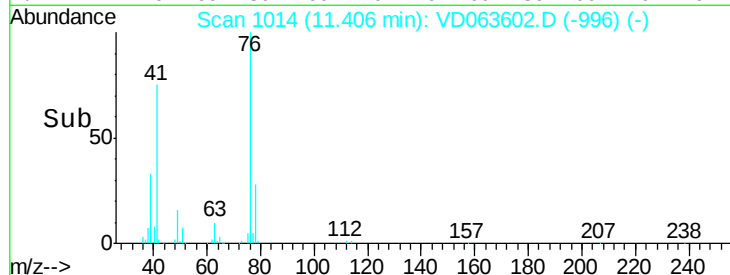
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 246.607 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063602.D

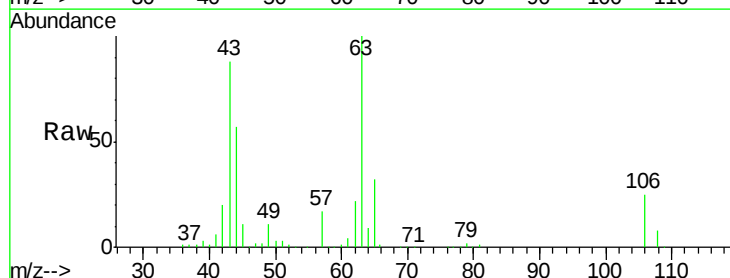
Acq: 15 Aug 2019 13:28

Tgt Ion: 63 Resp: 1012488

Ion Ratio Lower Upper

63 100

106 25.4 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

500000

400000

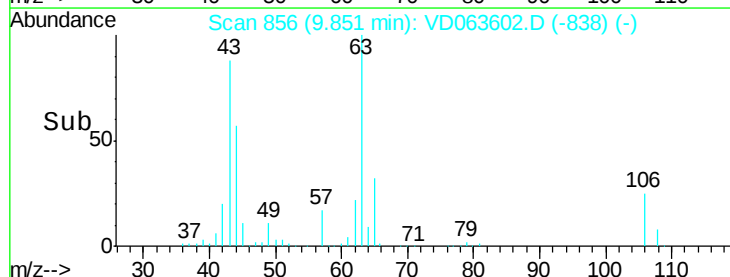
300000

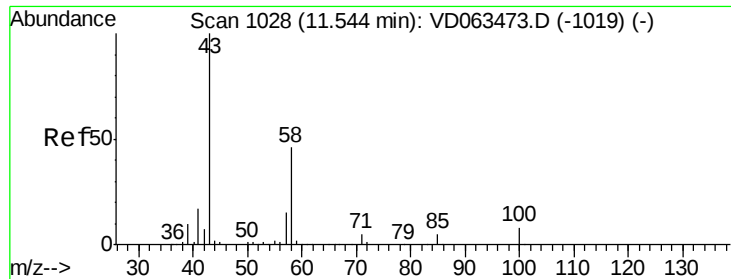
200000

100000

0

Time-->

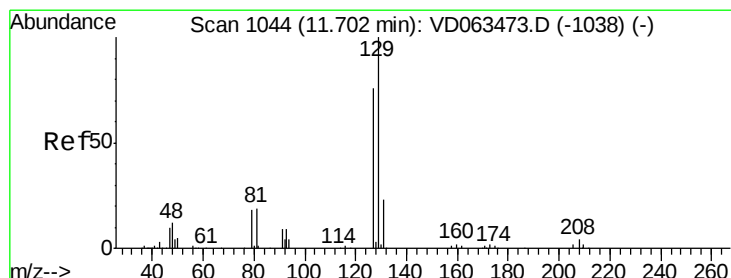
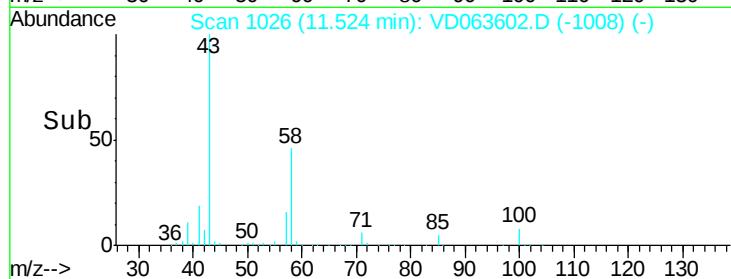
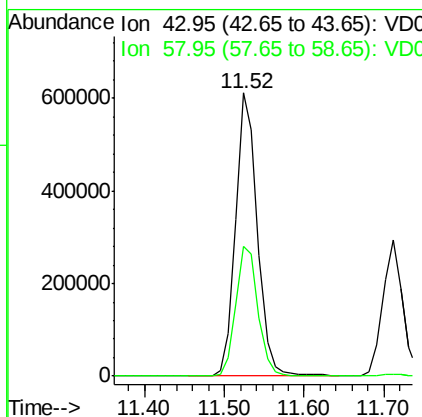
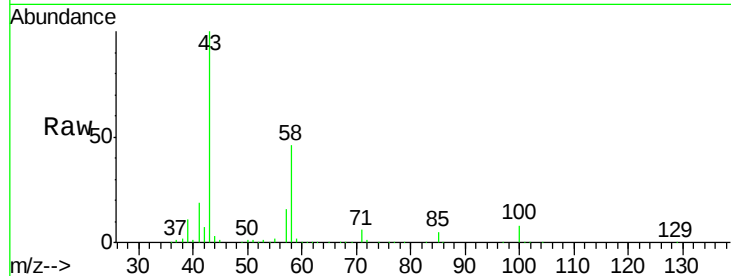




#59
2-Hexanone
Concen: 279.064 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

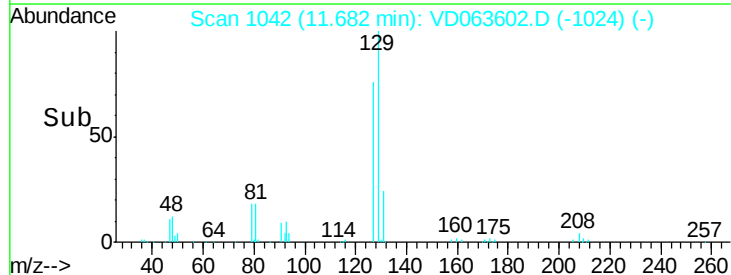
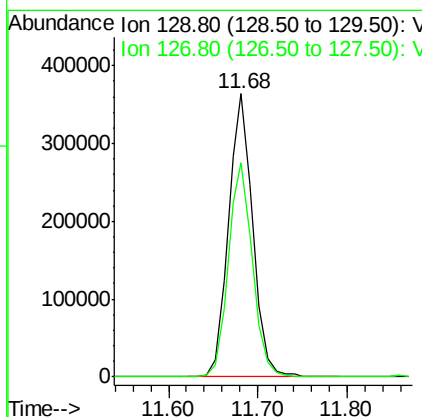
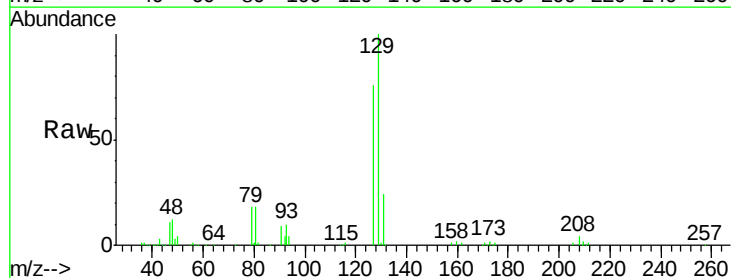
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

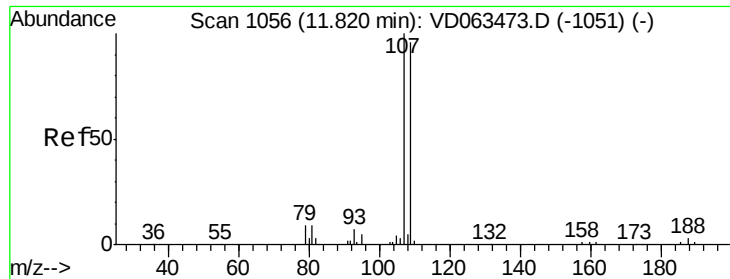
Tot Ion: 43 Resp: 1166906
Ion Ratio Lower Upper
43 100
58 45.8 23.1 69.2



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

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

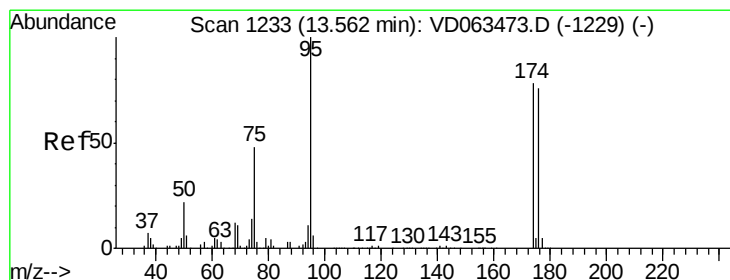
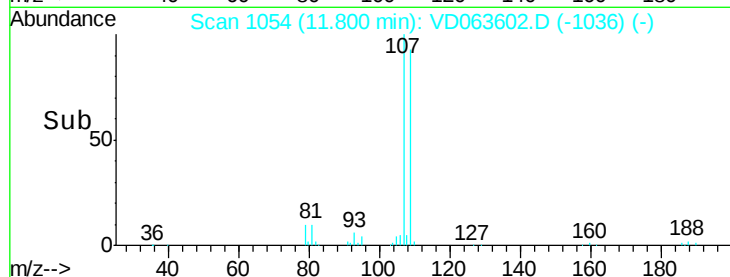
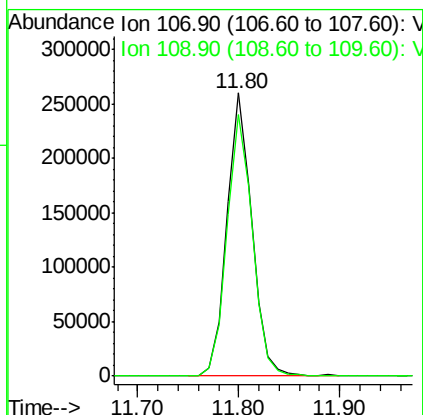
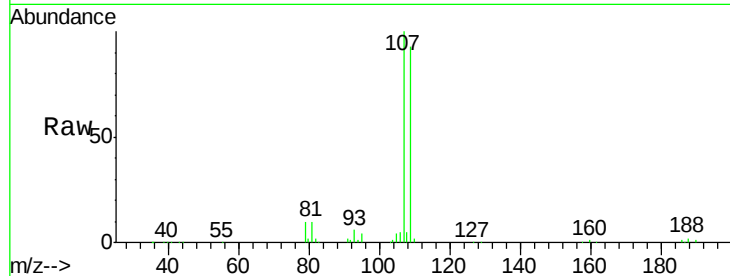




#61
 1,2-Dibromoethane
 Concen: 51.343 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

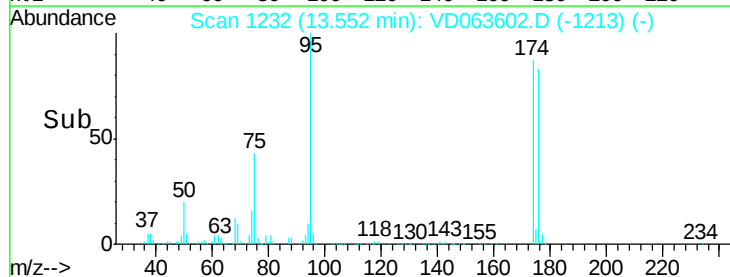
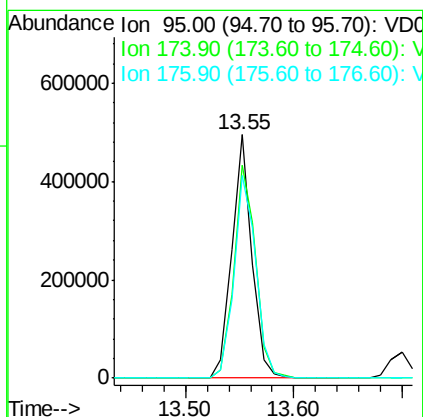
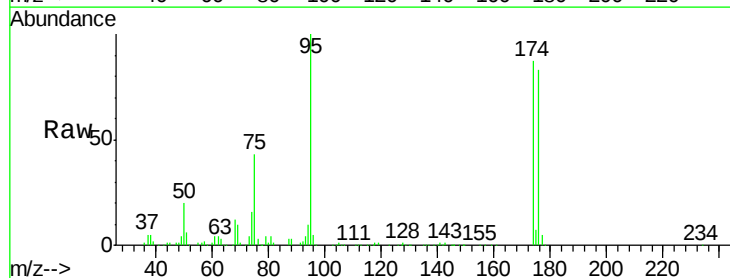
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

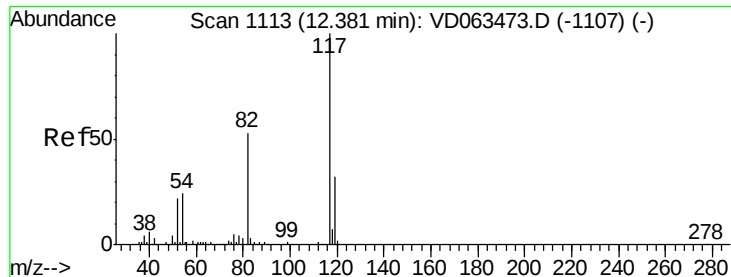
Tot Ion:107 Resp: 445342
 Ion Ratio Lower Upper
 107 100
 109 92.6 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 44.875 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Tgt Ion: 95 Resp: 637507
 Ion Ratio Lower Upper
 95 100
 174 87.4 0.0 155.4
 176 83.1 0.0 152.4

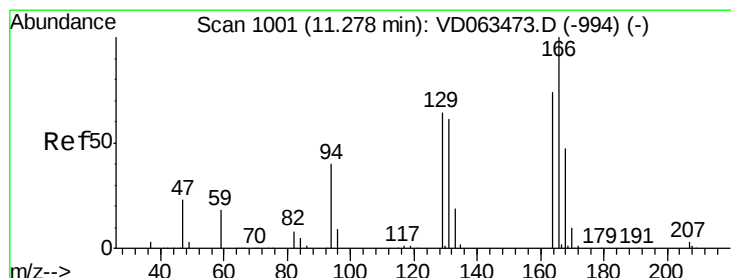
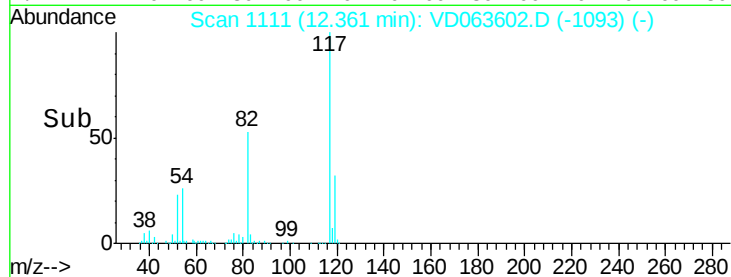
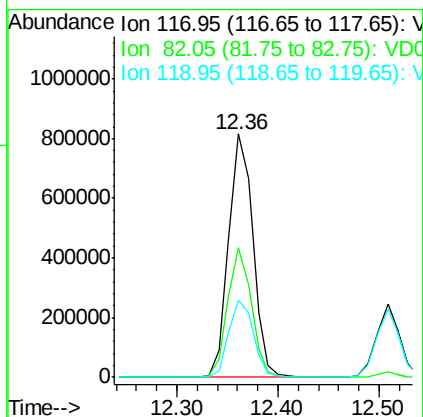
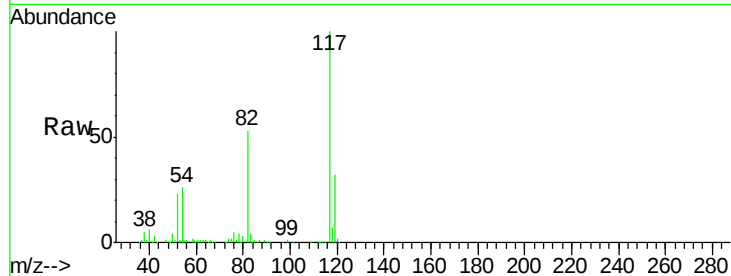




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

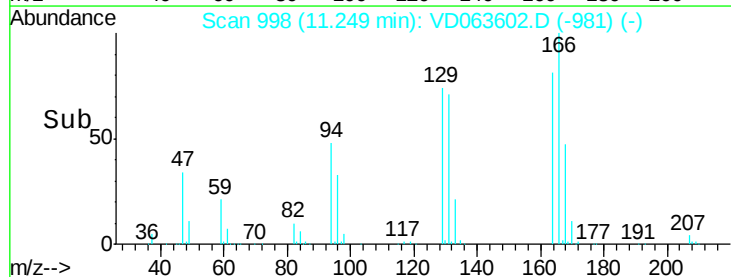
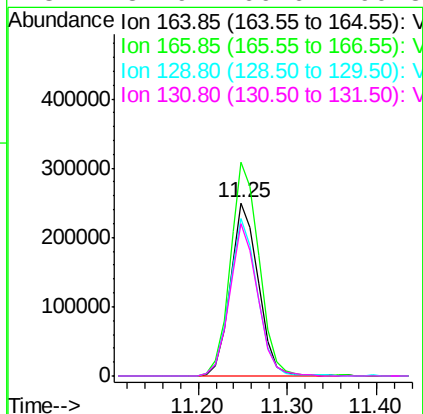
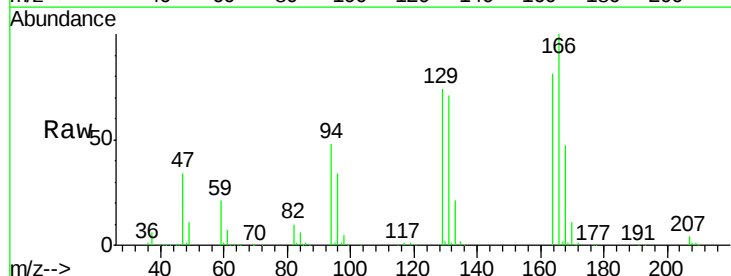
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

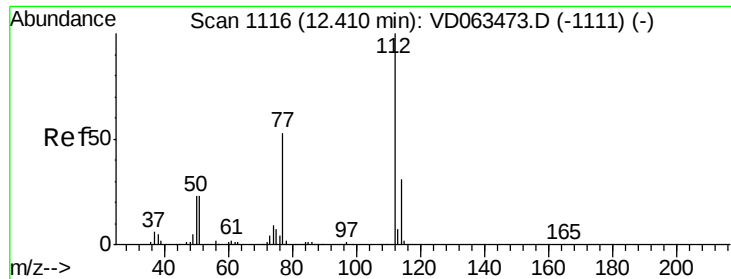
Tot Ion:117 Resp: 1363710
Ion Ratio Lower Upper
117 100
82 53.1 42.0 63.0
119 31.6 25.4 38.0



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

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

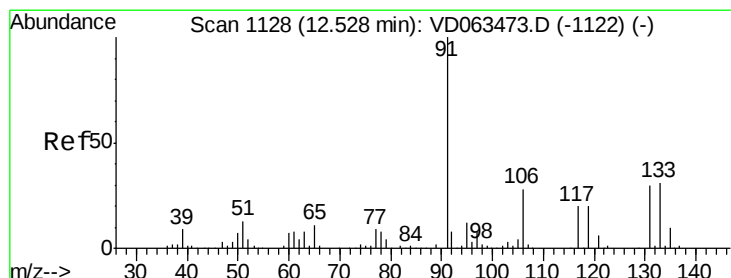
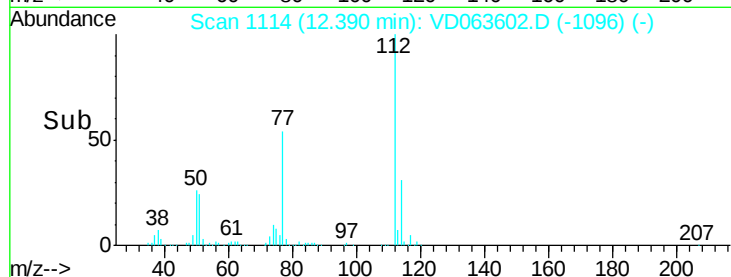
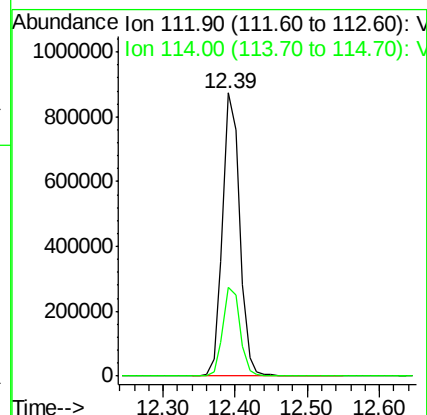
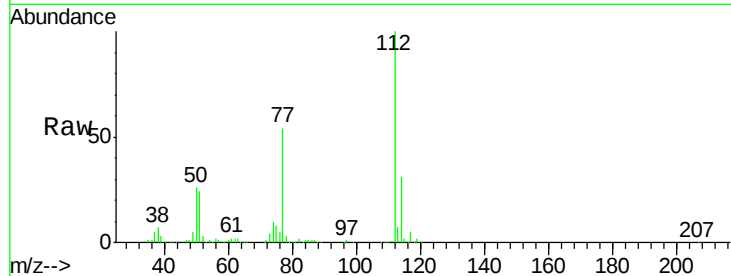




#65
Chlorobenzene
Concen: 55.836 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

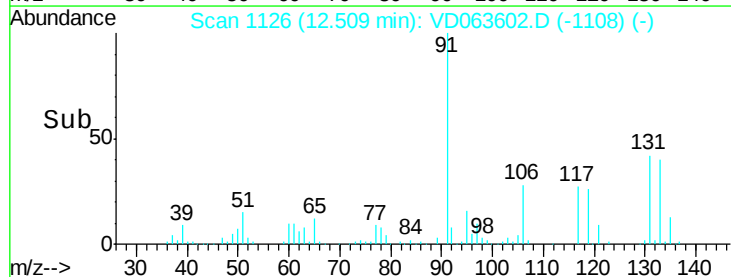
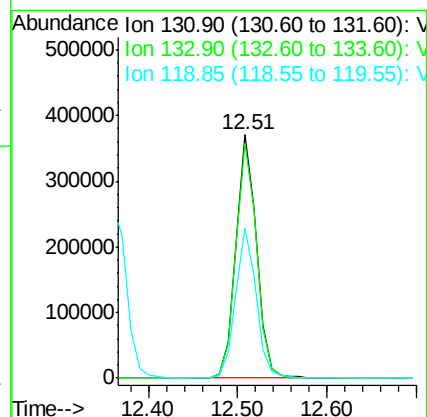
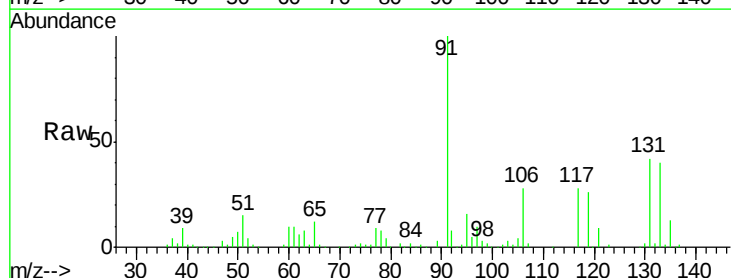
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

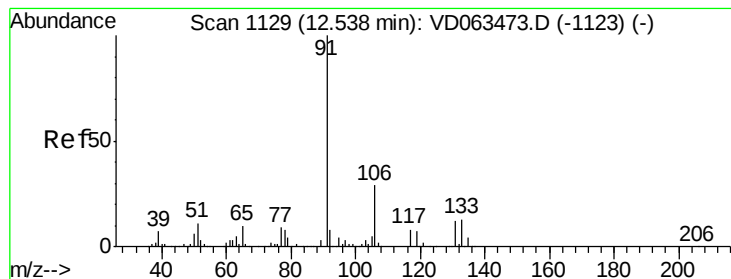
Tot Ion:112 Resp: 1427133
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7



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

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





#67

Ethyl Benzene

Concen: 53.591 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

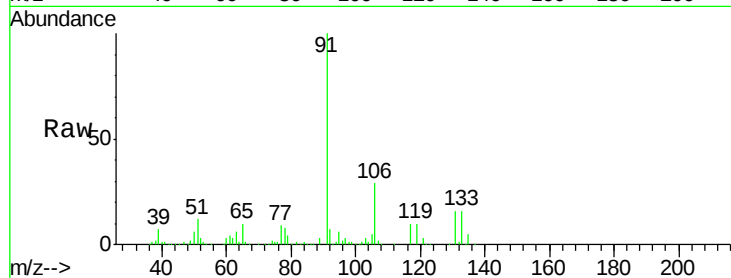
VSTDCCC050

Tot Ion: 91 Resp: 2381668

Ion Ratio Lower Upper

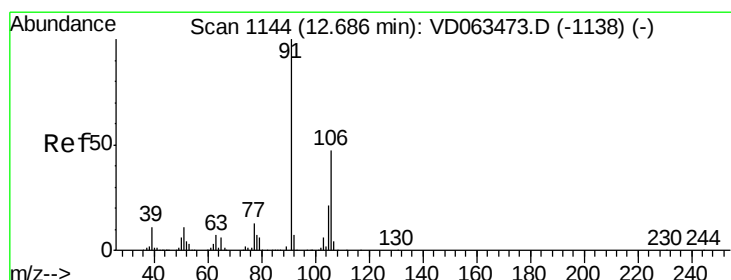
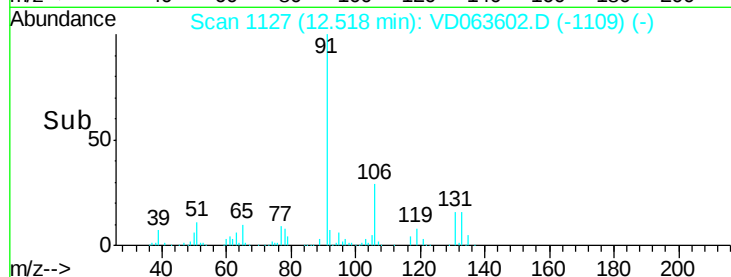
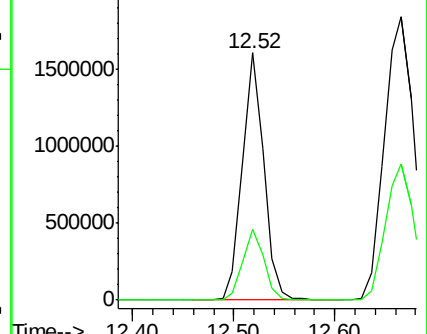
91 100

106 28.7 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 110.467 ug/l

RT: 12.67 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VD063602.D

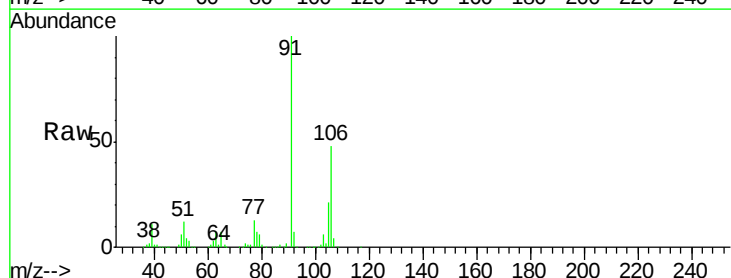
Acq: 15 Aug 2019 13:28

Tgt Ion: 106 Resp: 1724781

Ion Ratio Lower Upper

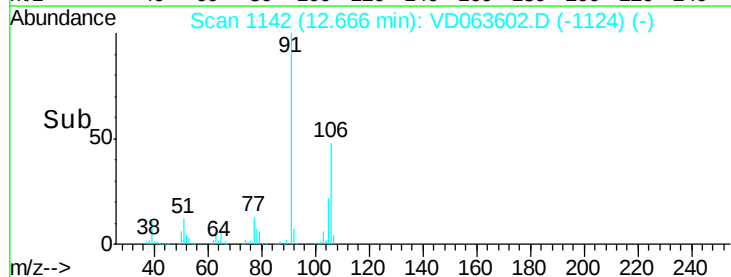
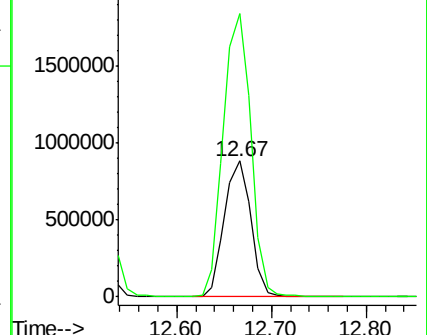
106 100

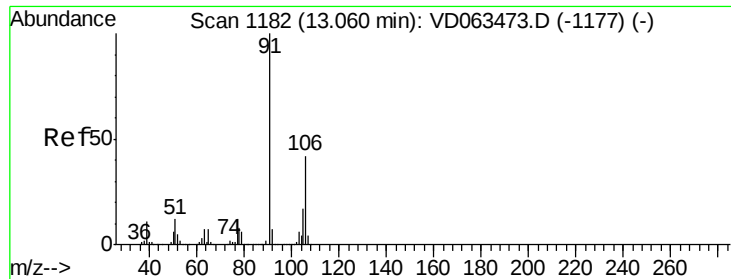
91 208.3 171.8 257.8



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

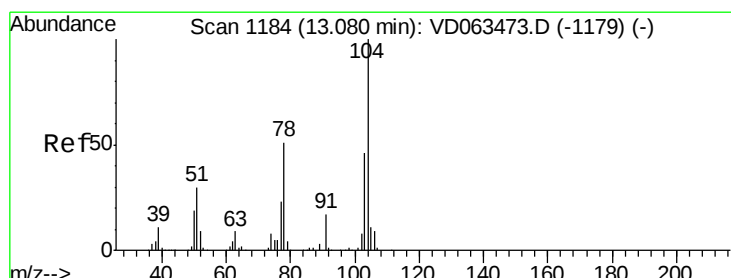
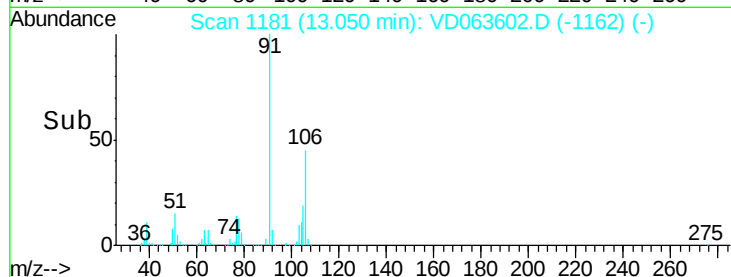
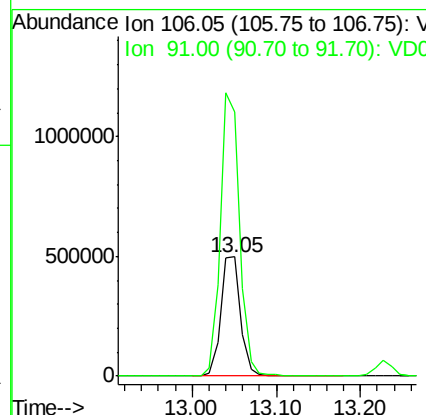
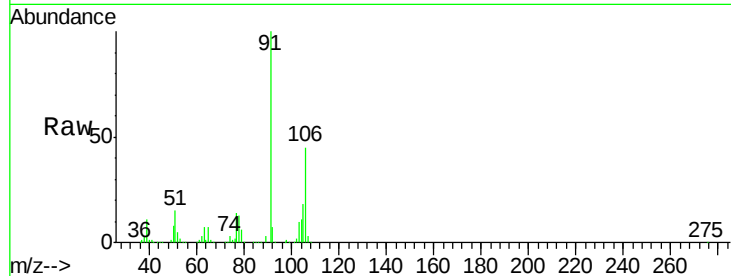




#69
o-Xylene
Concen: 53.757 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

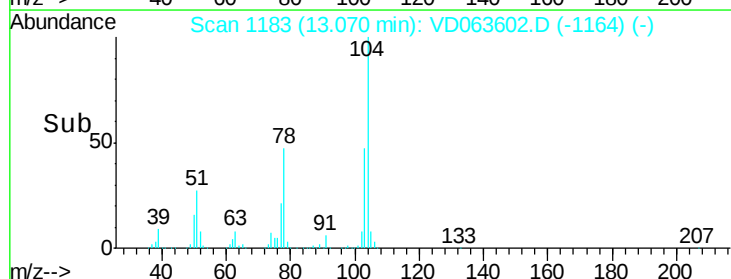
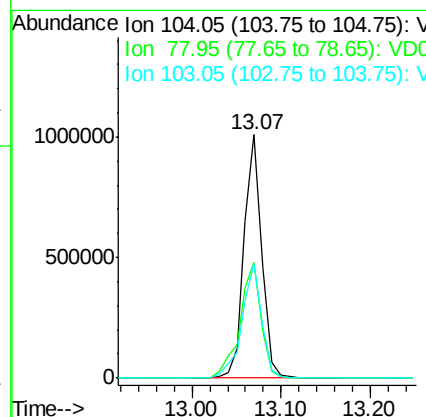
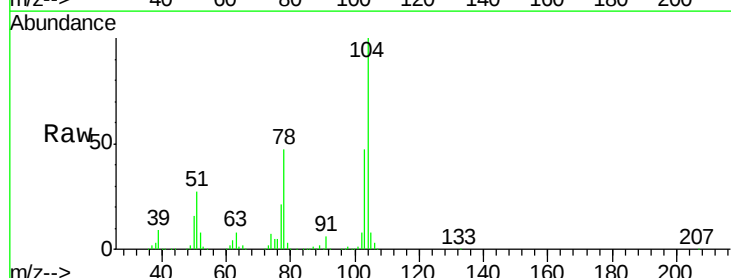
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

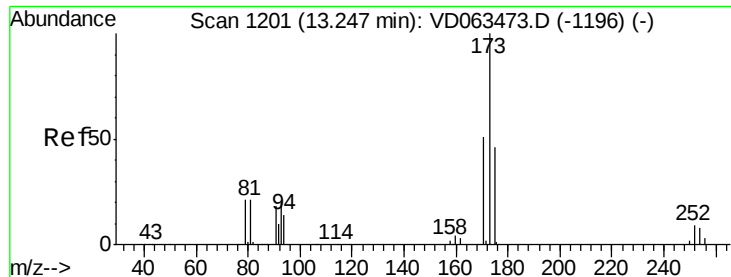
Tot Ion:106 Resp: 807829
Ion Ratio Lower Upper
106 100
91 222.0 118.1 354.2



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

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

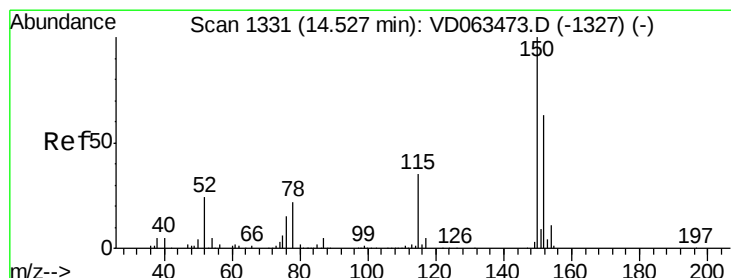
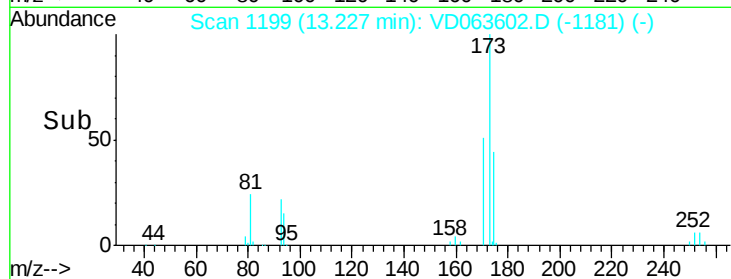
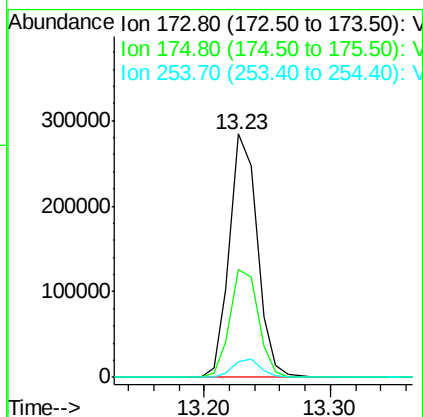
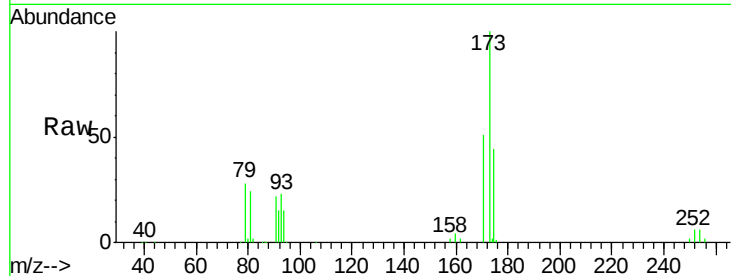




#71
Bromoform
Concen: 56.352 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

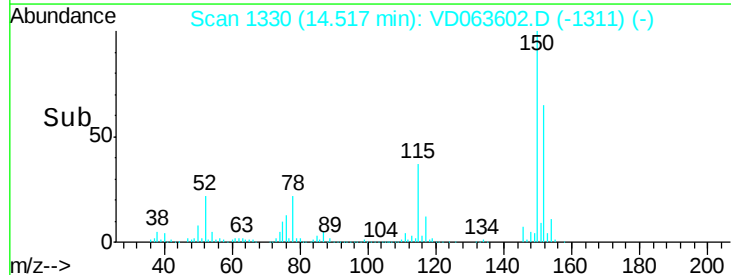
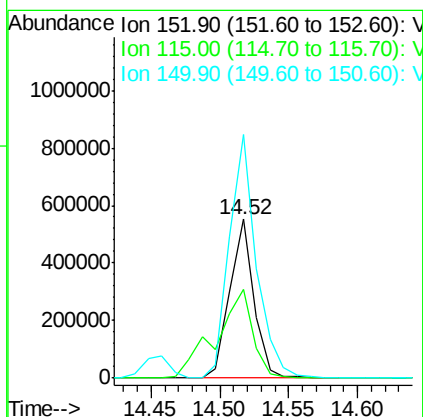
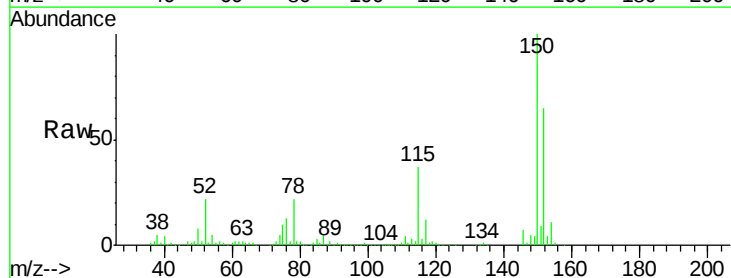
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

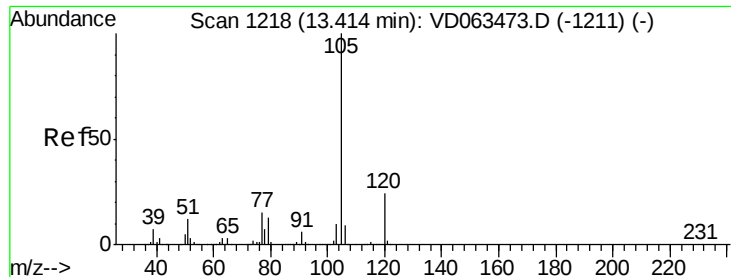
Tot Ion:173 Resp: 434644
Ion Ratio Lower Upper
173 100
175 44.5 22.8 68.3
254 6.4 6.6 9.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion:152 Resp: 672023
Ion Ratio Lower Upper
152 100
115 56.1 30.9 92.7
150 153.2 0.0 318.6





#73

Isopropylbenzene

Concen: 54.252 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

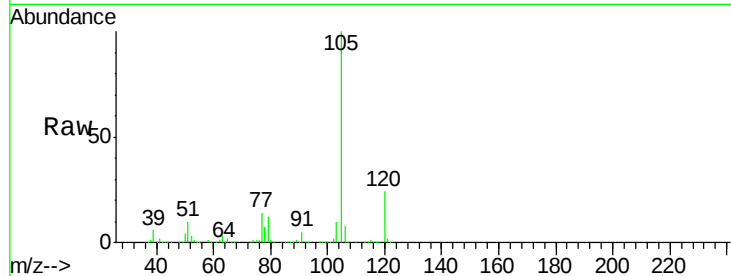
VSTDCCC050

Tot Ion:105 Resp: 2318968

Ion Ratio Lower Upper

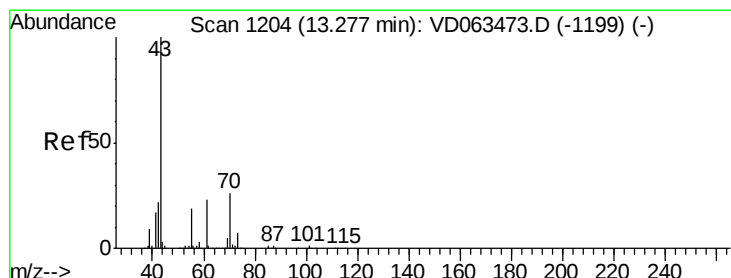
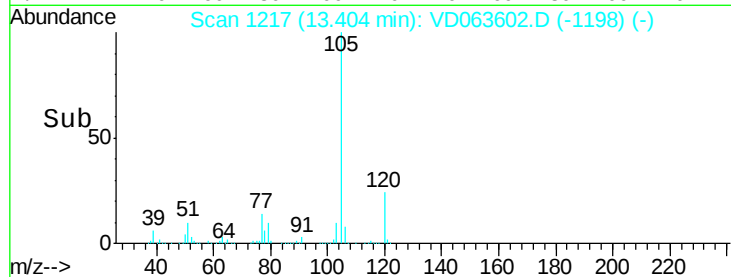
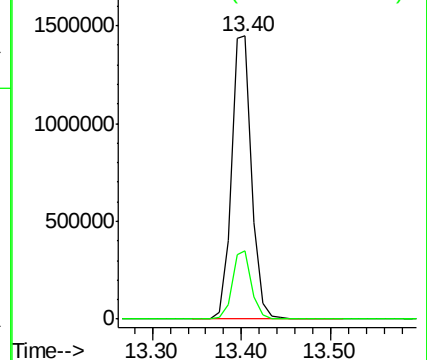
105 100

120 24.3 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 59.811 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Tgt Ion: 43 Resp: 641776

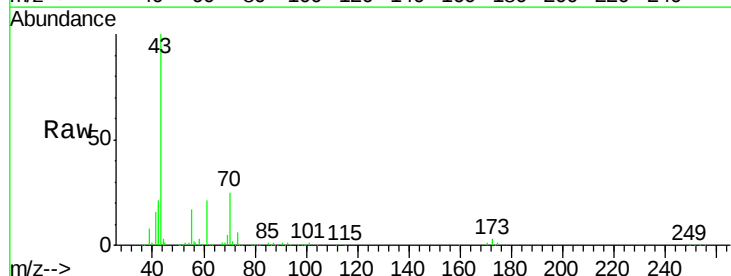
Ion Ratio Lower Upper

43 100

70 25.5 21.1 31.7

55 16.8 15.4 23.0

61 21.2 18.2 27.2

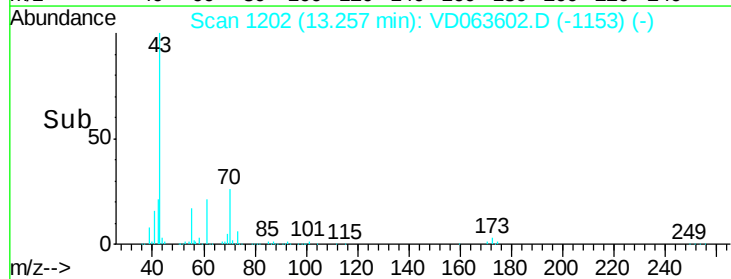
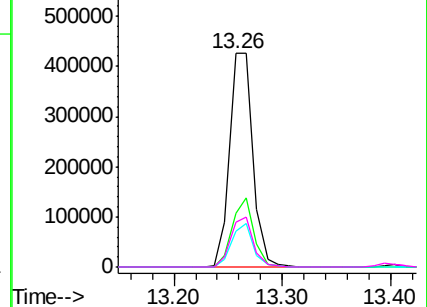


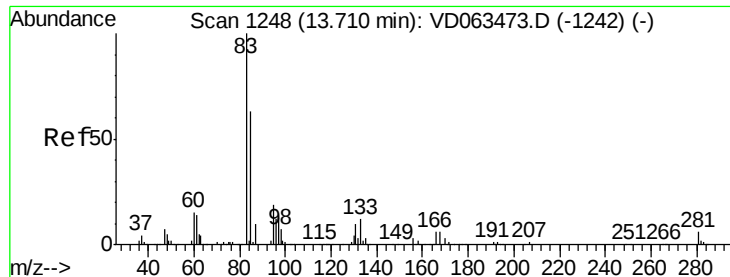
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 57.557 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

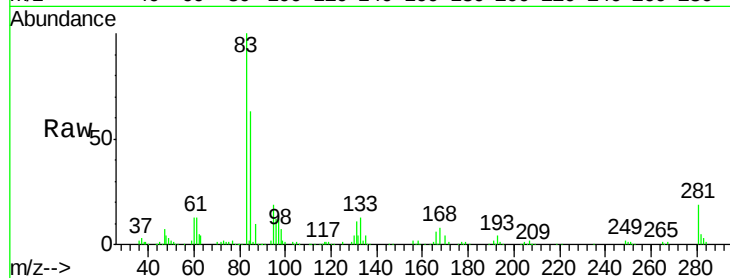
Tot Ion: 83 Resp: 408353

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

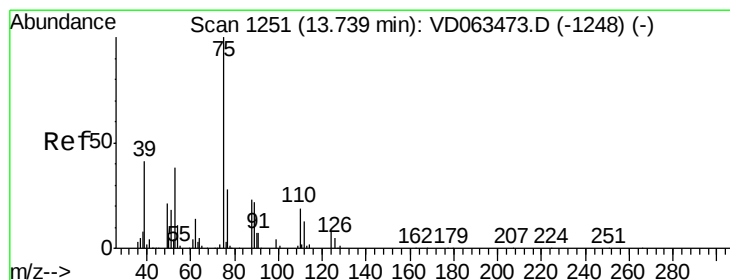
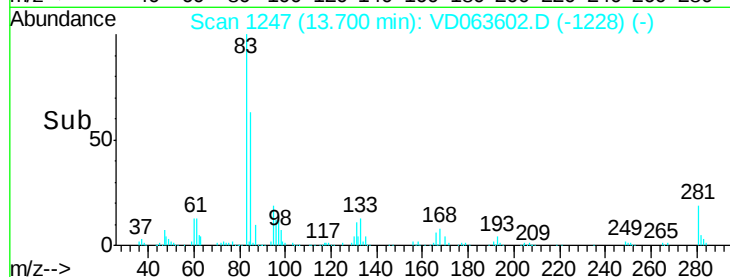
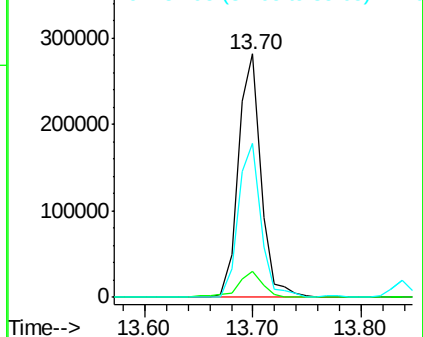
85 63.1 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 57.616 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063602.D

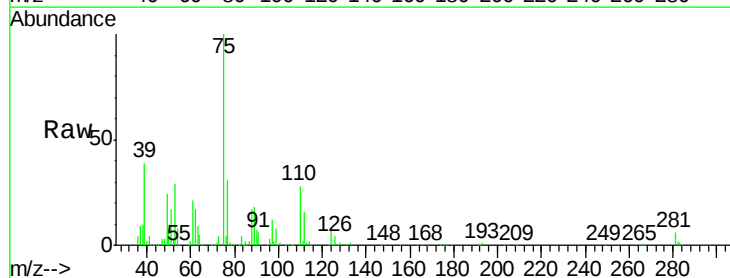
Acq: 15 Aug 2019 13:28

Tgt Ion: 75 Resp: 444367

Ion Ratio Lower Upper

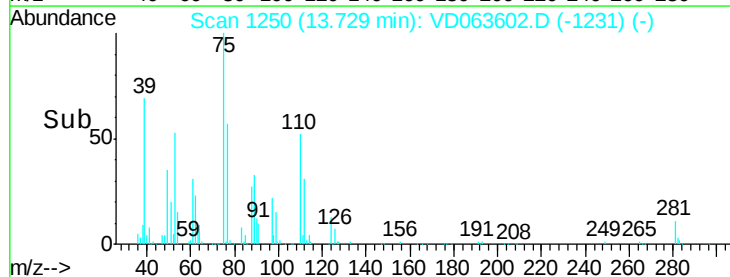
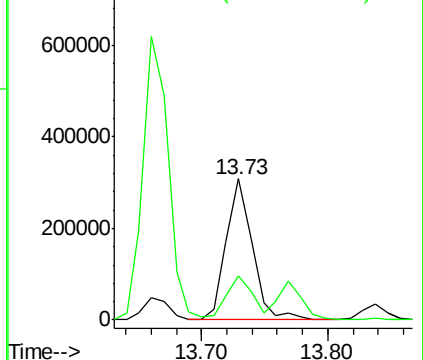
75 100

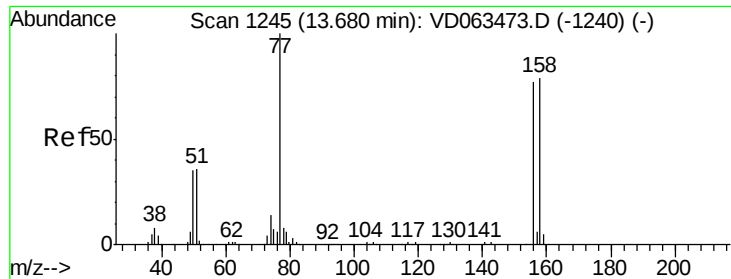
77 31.2 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

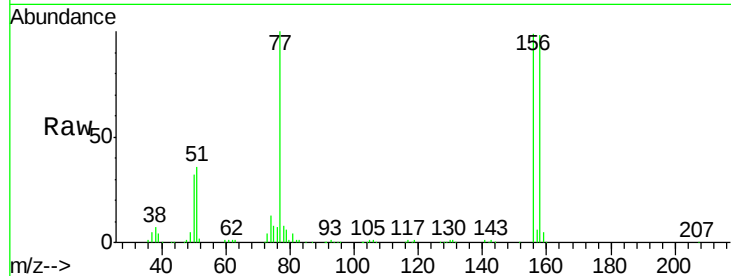




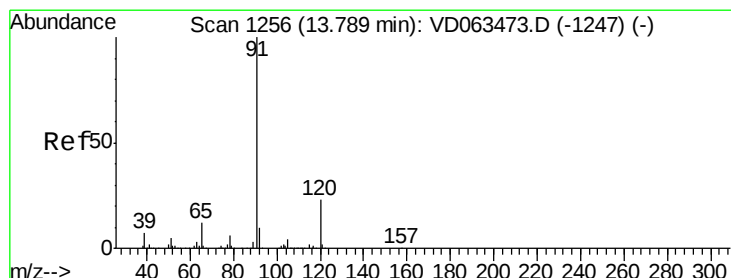
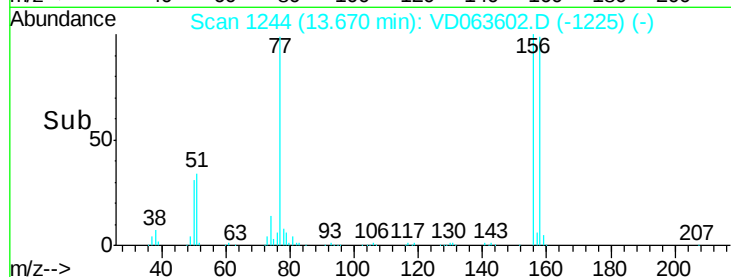
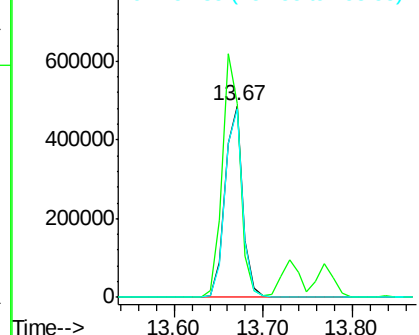
#77
Bromobenzene
Concen: 58.236 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 680317
Ion Ratio Lower Upper
156 100
77 101.0 64.6 193.8
158 98.6 50.9 152.7

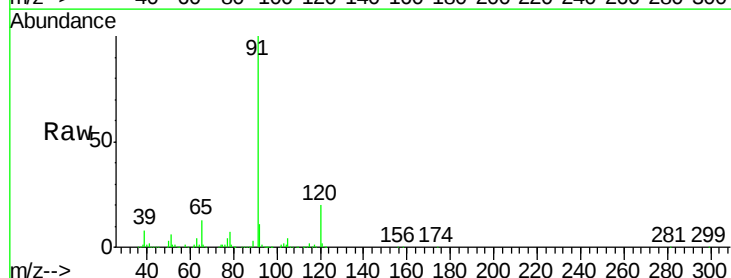


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

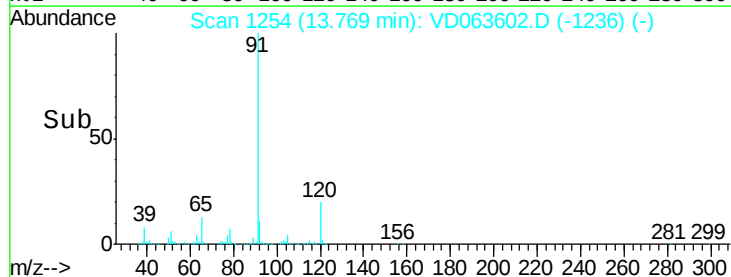
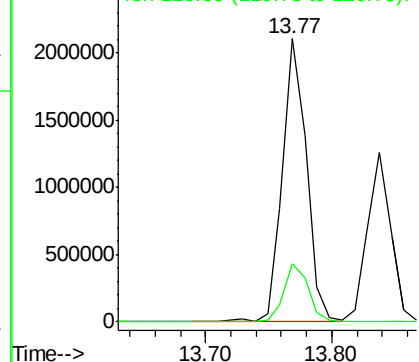


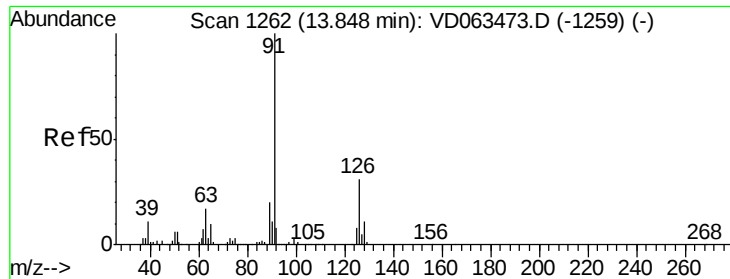
#78
n-propylbenzene
Concen: 56.018 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Tgt Ion: 91 Resp: 2801595
Ion Ratio Lower Upper
91 100
120 20.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

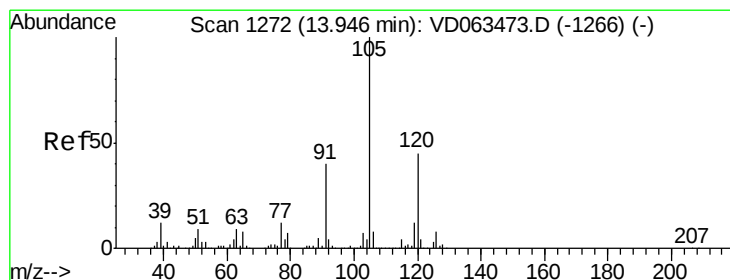
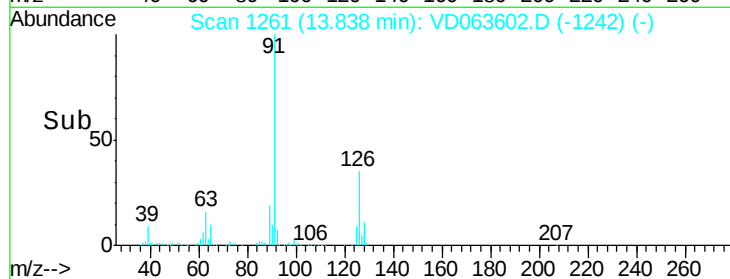
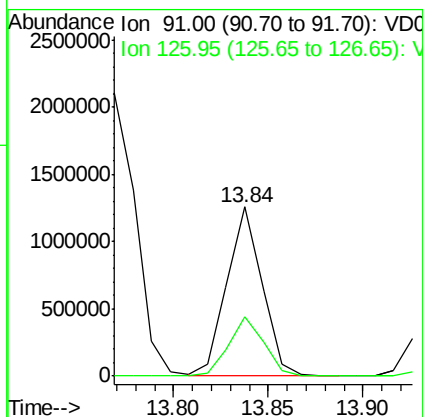
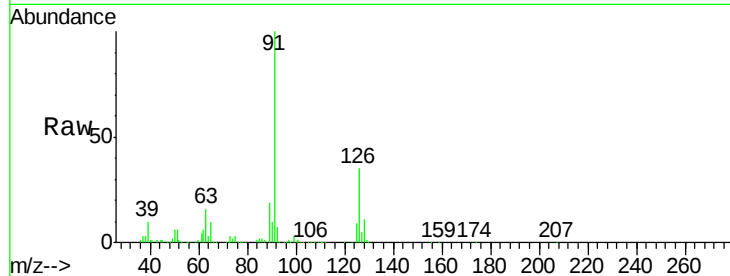




#79
 2-Chlorotoluene
 Concen: 56.159 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

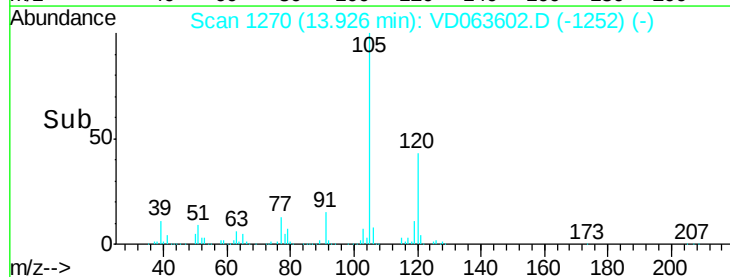
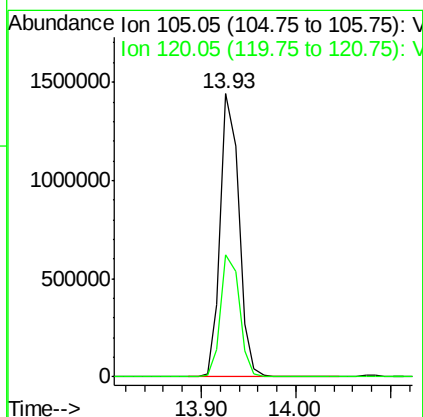
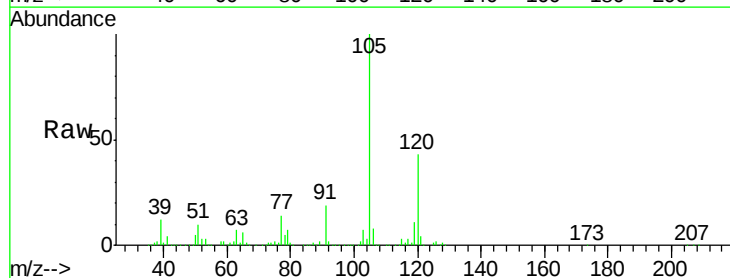
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

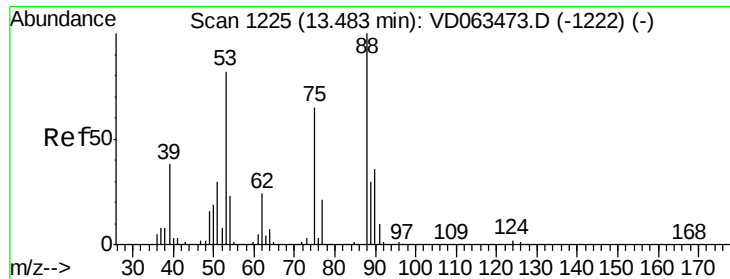
Tot Ion: 91 Resp: 1619415
 Ion Ratio Lower Upper
 91 100
 126 35.3 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 52.803 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Tgt Ion:105 Resp: 1972063
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 60.396 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

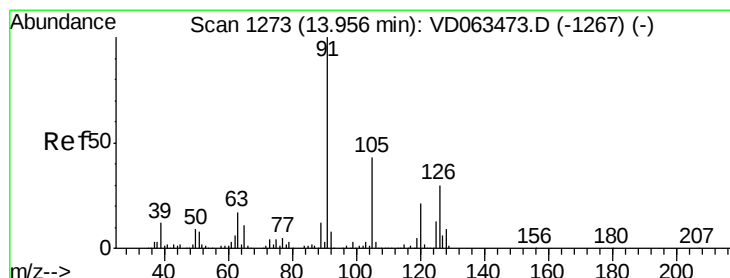
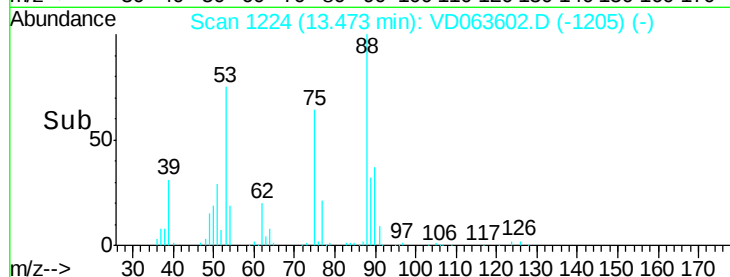
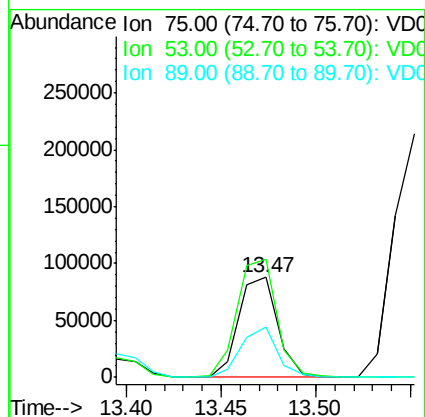
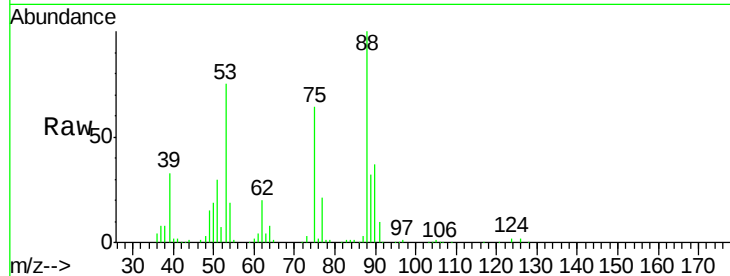
Tot Ion: 75 Resp: 125198

Ion Ratio Lower Upper

75 100

53 118.7 101.0 151.4

89 50.6 37.0 55.6



#82

4-Chlorotoluene

Concen: 52.370 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD063602.D

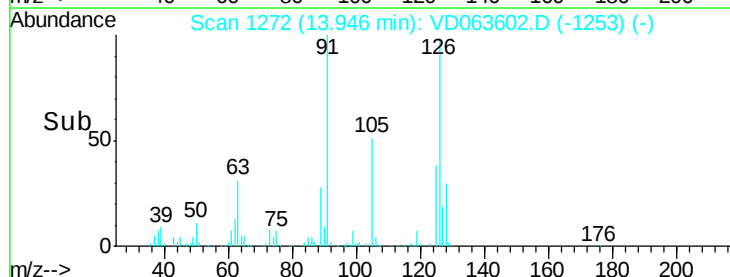
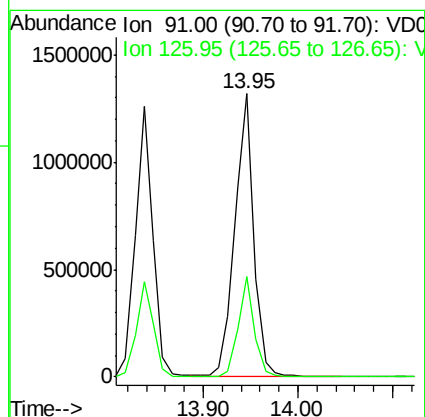
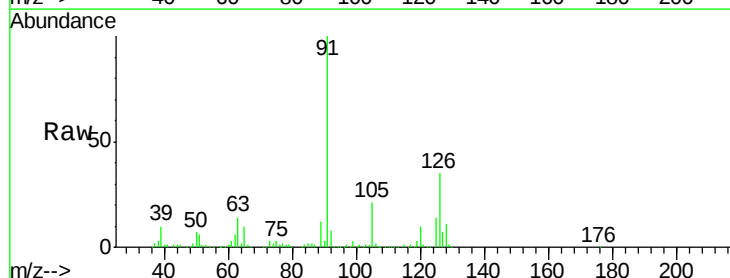
Acq: 15 Aug 2019 13:28

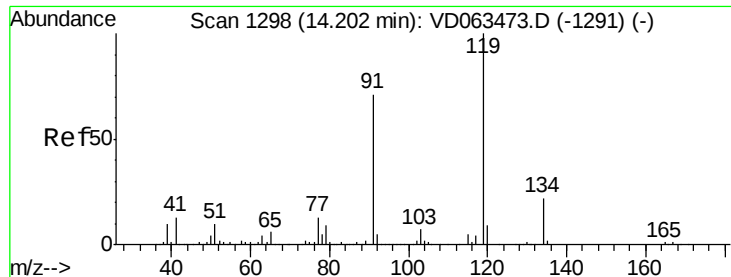
Tgt Ion: 91 Resp: 1815958

Ion Ratio Lower Upper

91 100

126 35.4 15.2 45.6

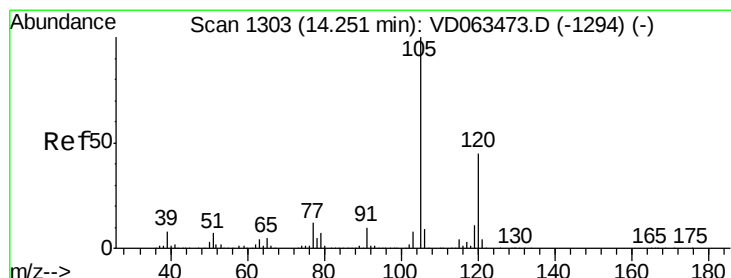
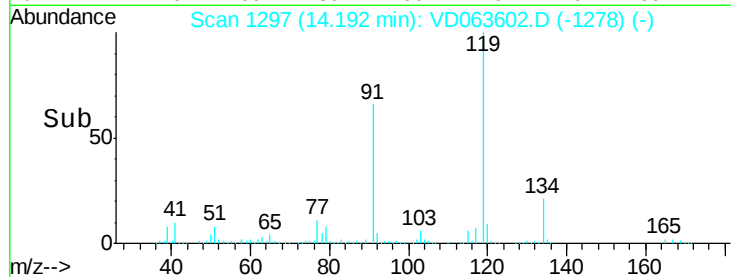
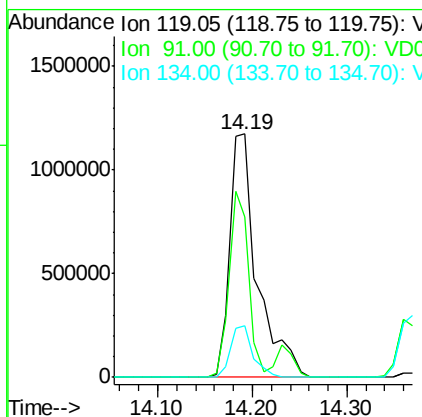
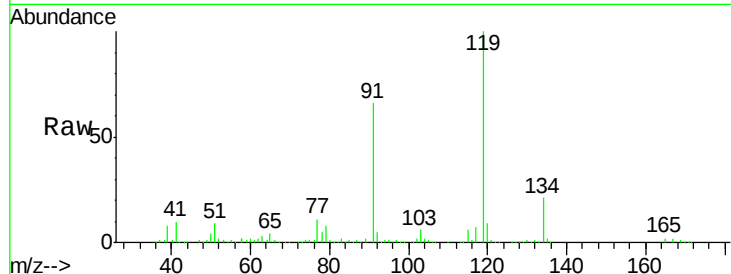




#83
 tert-Butylbenzene
 Concen: 60.122 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

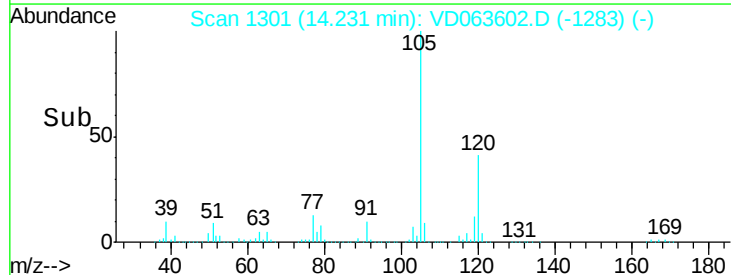
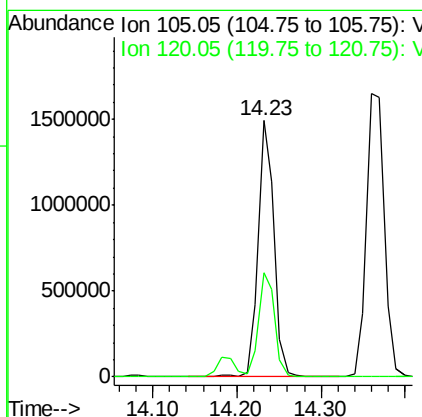
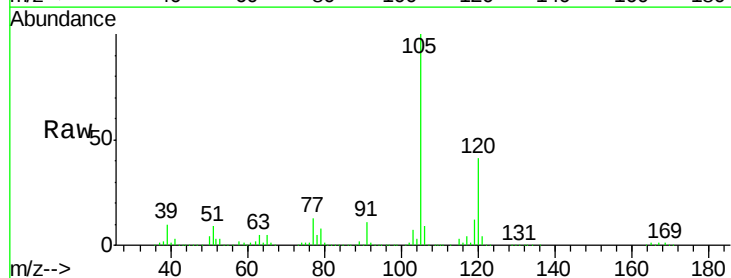
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

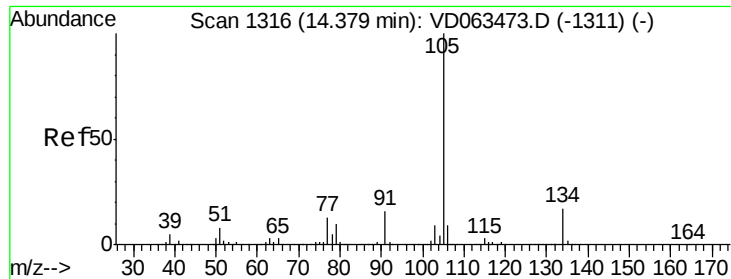
Tot Ion:119 Resp: 2364492
 Ion Ratio Lower Upper
 119 100
 91 66.1 35.5 106.7
 134 21.1 11.1 33.1



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

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

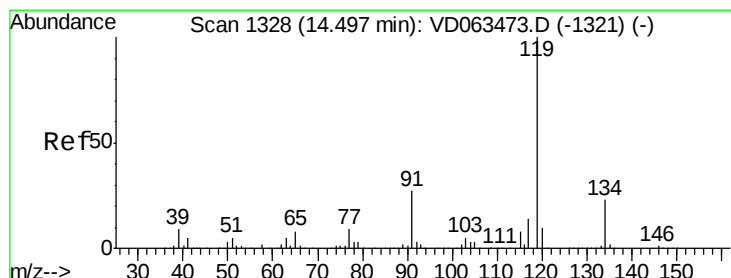
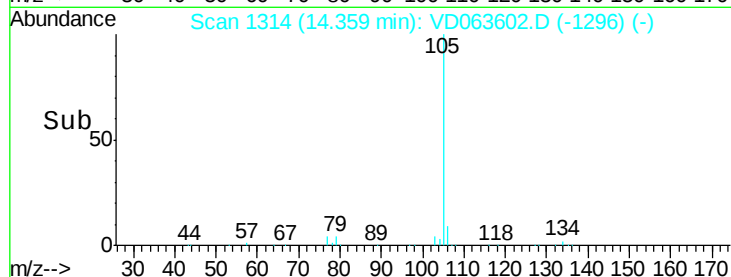
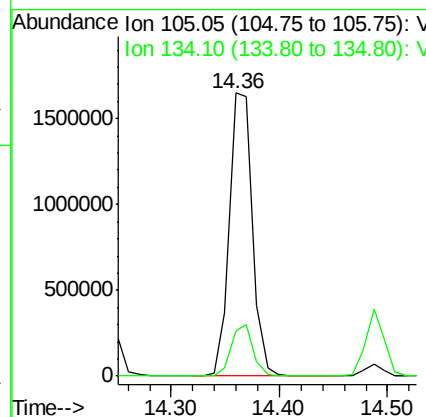
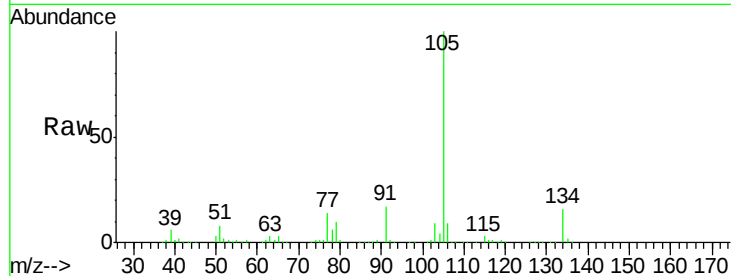




#85
 sec-Butylbenzene
 Concen: 58.734 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

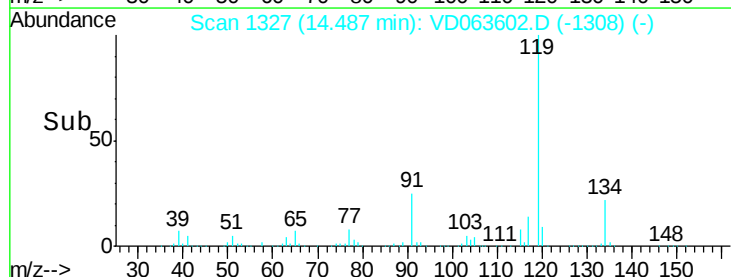
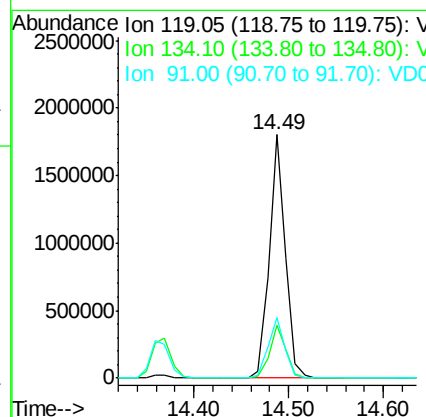
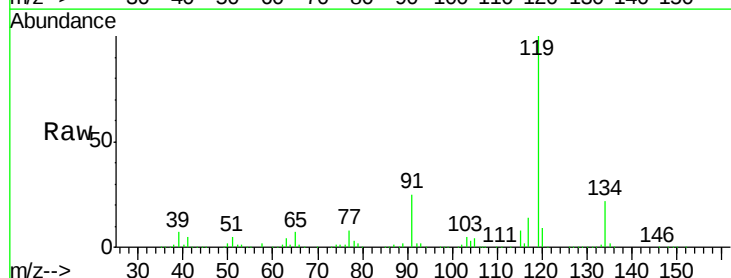
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

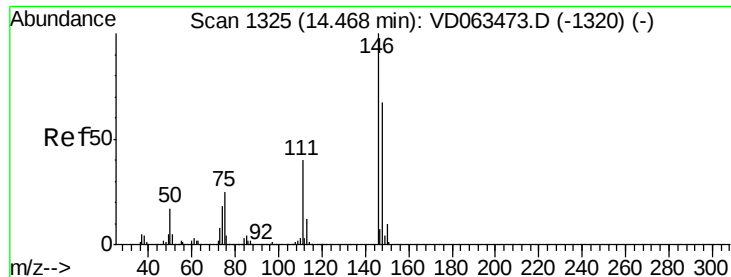
Tot Ion:105 Resp: 2453061
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.3 24.8



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

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

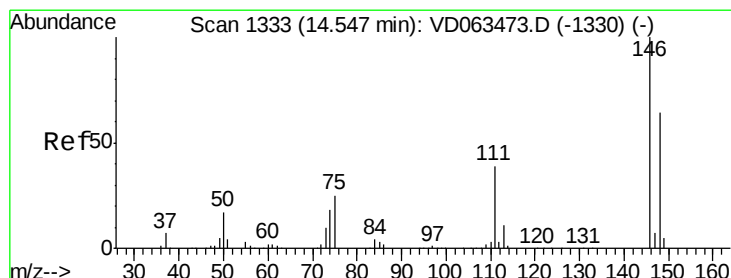
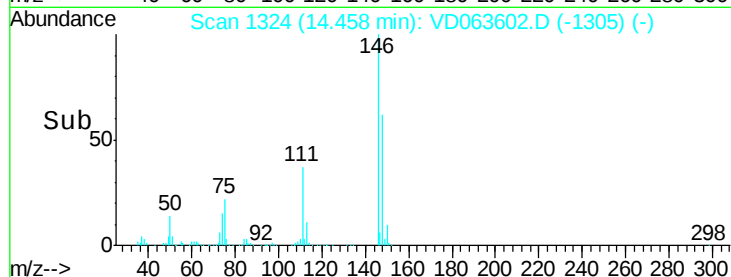
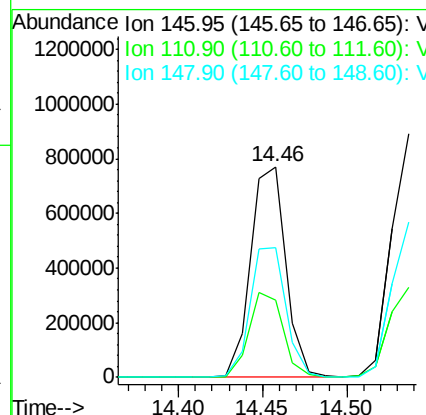
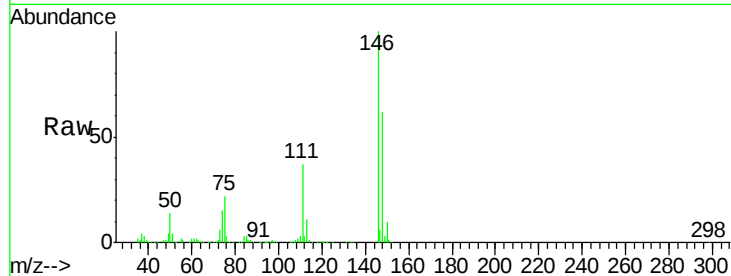




#87
 1,3-Dichlorobenzene
 Concen: 52.939 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

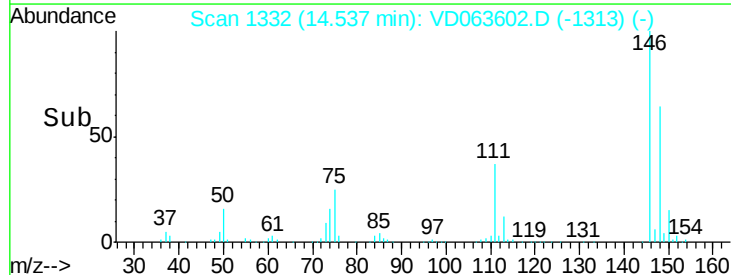
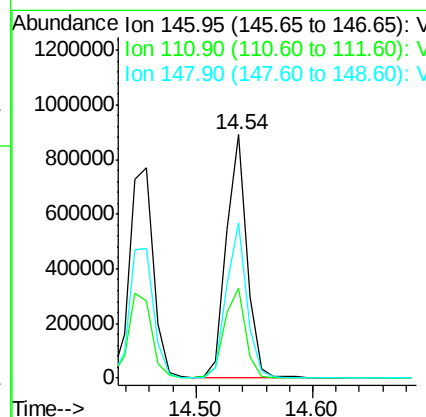
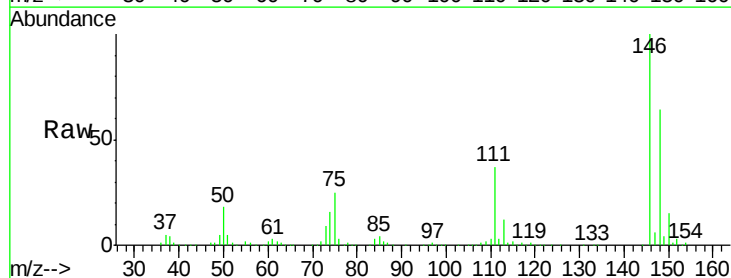
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

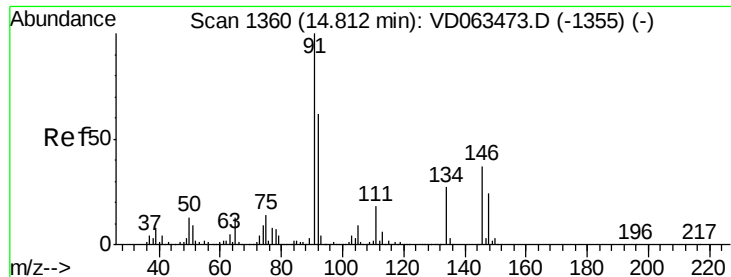
Tot Ion:146 Resp: 1118646
 Ion Ratio Lower Upper
 146 100
 111 36.7 20.0 60.0
 148 61.6 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 53.710 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Tgt Ion:146 Resp: 1088875
 Ion Ratio Lower Upper
 146 100
 111 36.9 19.7 59.0
 148 63.6 32.1 96.3





#89

n-Butylbenzene

Concen: 56.127 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063602.D

Acq: 15 Aug 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

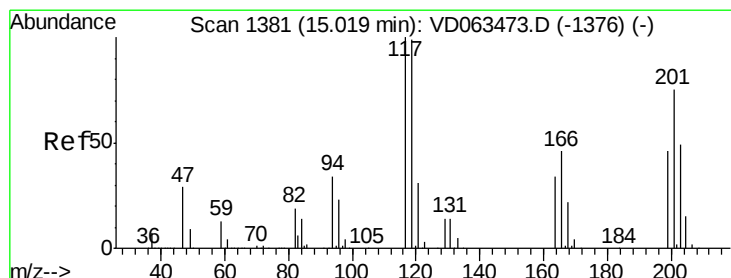
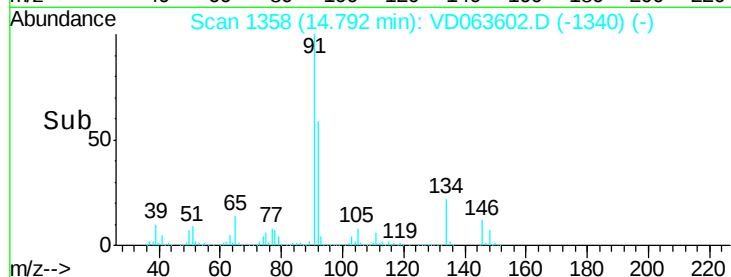
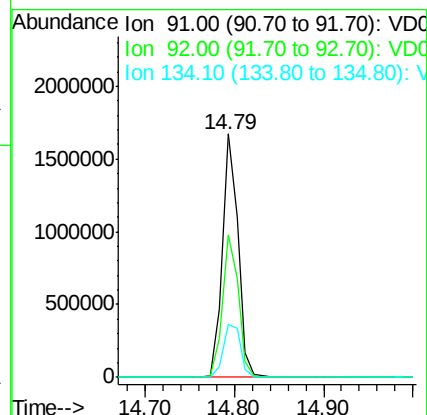
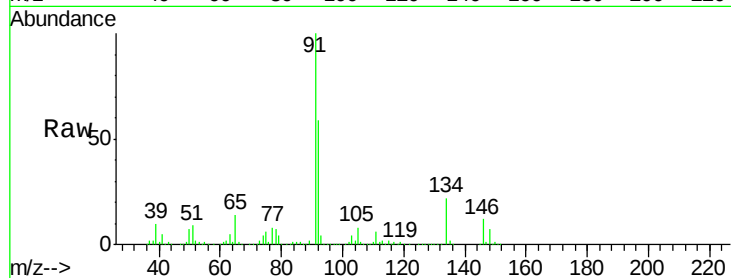
Tot Ion: 91 Resp: 2045676

Ion Ratio Lower Upper

91 100

92 58.6 30.8 92.3

134 21.5 13.4 40.2



#90

Hexachloroethane

Concen: 56.682 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063602.D

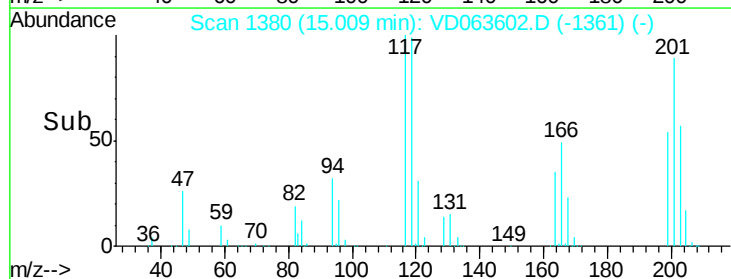
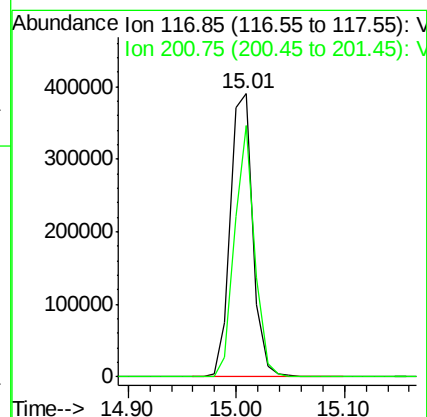
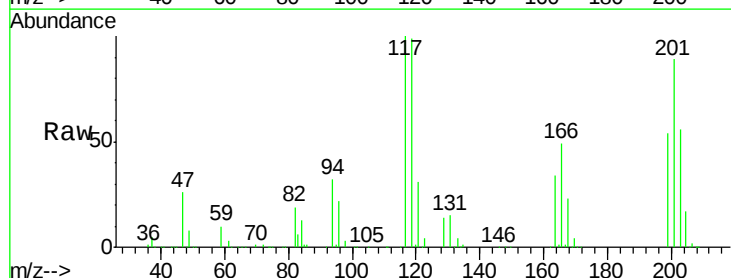
Acq: 15 Aug 2019 13:28

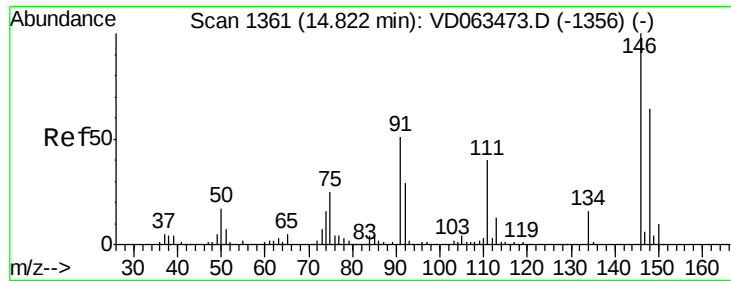
Tgt Ion: 117 Resp: 568937

Ion Ratio Lower Upper

117 100

201 88.7 37.5 112.5

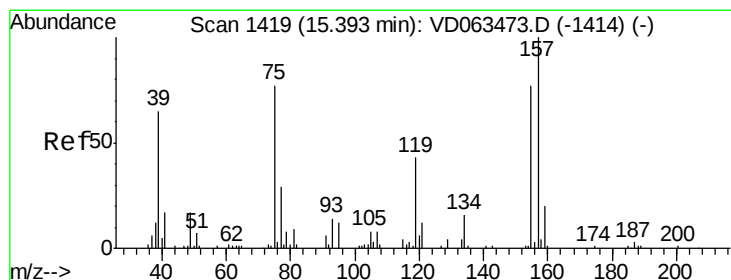
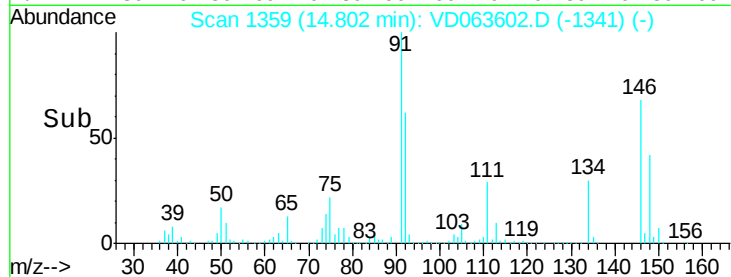
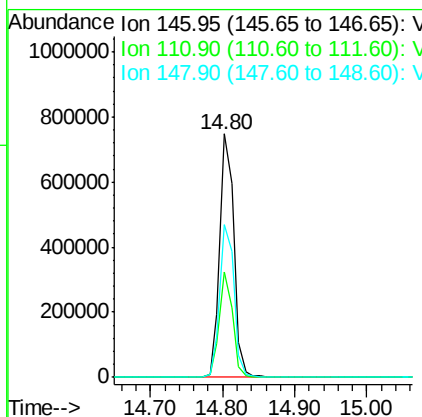
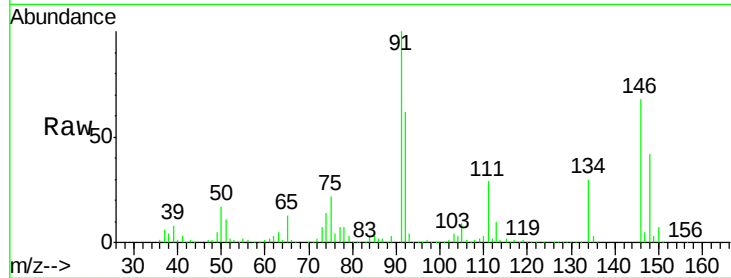




#91
 1,2-Dichlorobenzene
 Concen: 55.891 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

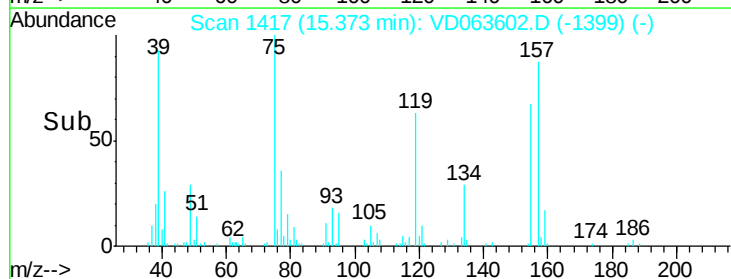
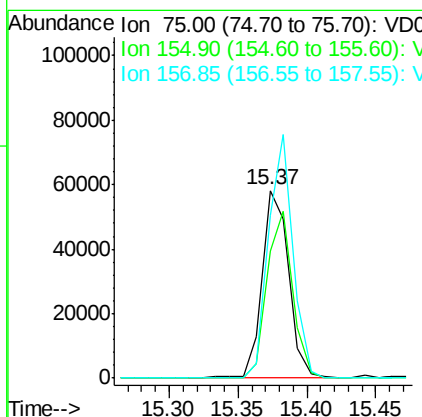
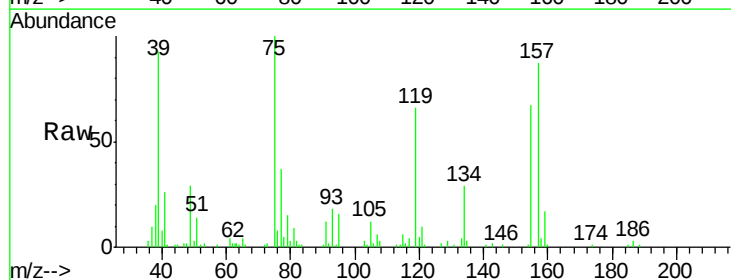
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

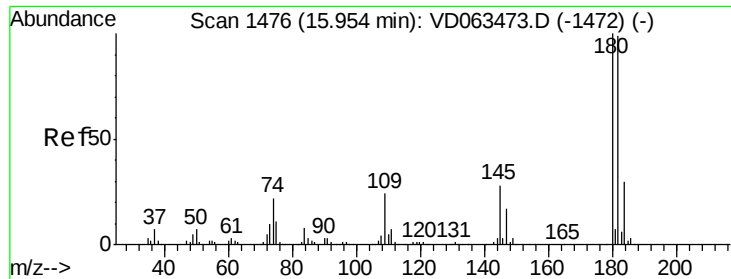
Tot Ion:146 Resp: 1002021
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.2 60.6
 148 62.5 32.1 96.5



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

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

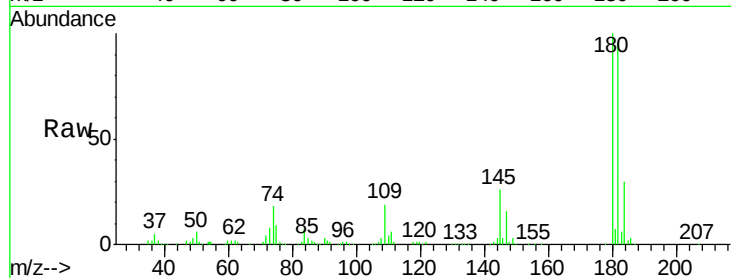




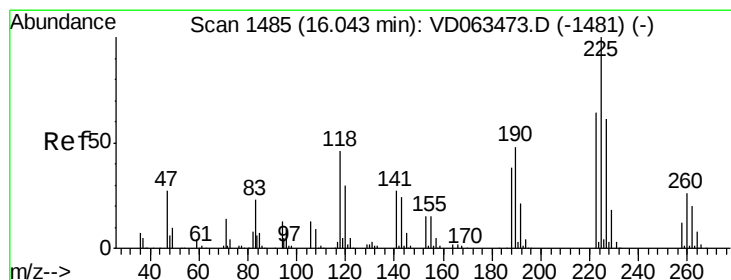
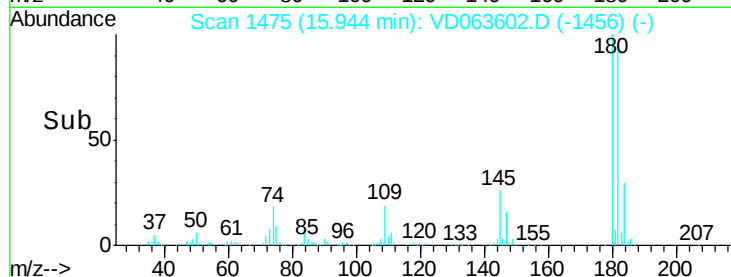
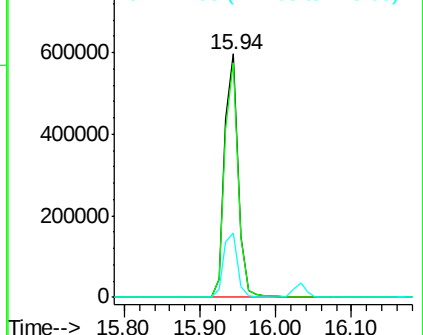
#93
 1,2,4-Trichlorobenzene
 Concen: 57.136 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 753727
 Ion Ratio Lower Upper
 180 100
 182 96.3 49.7 149.1
 145 26.5 14.1 42.2

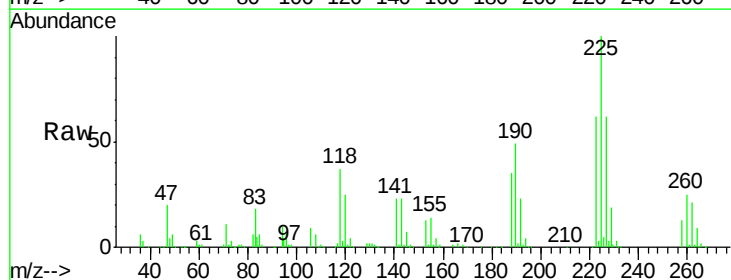


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

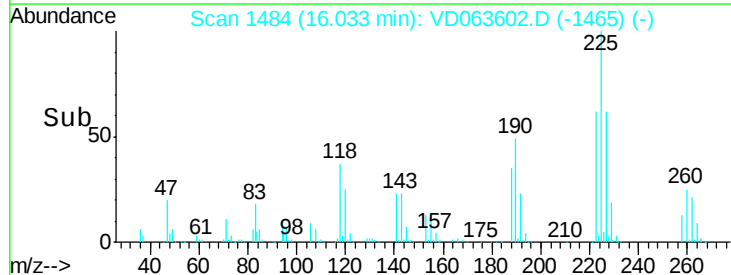
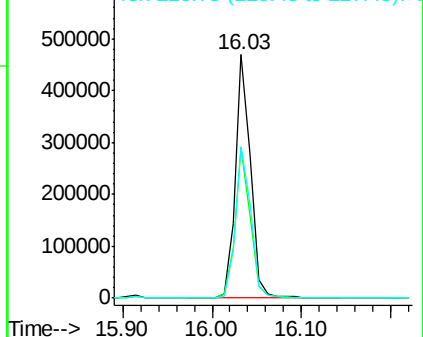


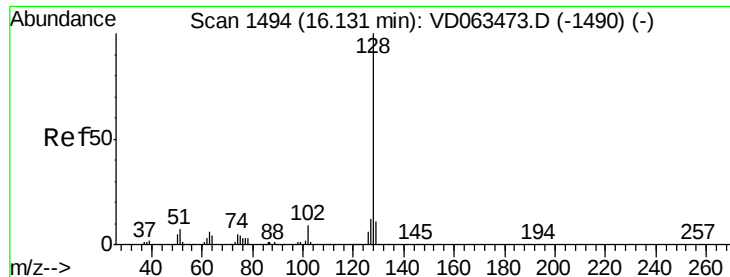
#94
 Hexachlorobutadiene
 Concen: 56.363 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063602.D
 Acq: 15 Aug 2019 13:28

Tgt Ion:225 Resp: 566671
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.9 95.5
 227 62.0 30.7 92.1



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

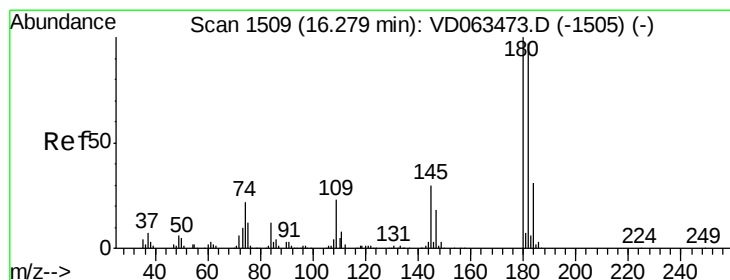
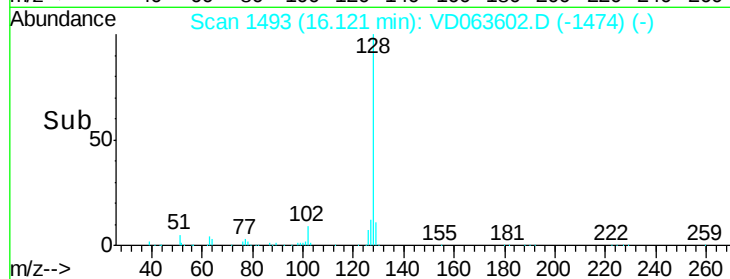
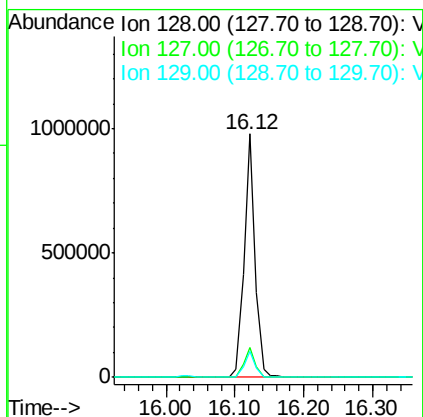
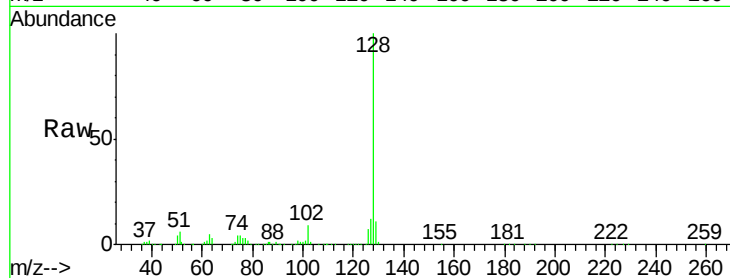




#95
Naphthalene
Concen: 54.355 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063602.D
Acq: 15 Aug 2019 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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



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

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

