

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063331.D
 Acq On : 2 Aug 2019 22:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 02 23:30:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	989642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1426743	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1119736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	626725	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	536237	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
35) Dibromofluoromethane	6.91	113	581357	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
50) Toluene-d8	10.41	98	1274880	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
62) 4-Bromofluorobenzene	13.55	95	560763	45.14	ug/l	0.00
Spiked Amount			Recovery	=	90.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	554390	45.829	ug/l	96
3) Chloromethane	1.74	50	474798	50.517	ug/l	94
4) Vinyl Chloride	1.84	62	456539	46.922	ug/l	98
5) Bromomethane	2.15	94	237246	48.347	ug/l #	95
6) Chloroethane	2.25	64	229860	51.169	ug/l	93
7) Trichlorofluoromethane	2.52	101	945383	50.085	ug/l	99
8) Diethyl Ether	2.86	74	145163	54.950	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.13	101	530305	50.718	ug/l	94
10) Methyl Iodide	3.29	142	791747	52.417	ug/l	98
11) Tert butyl alcohol	4.07	59	138589	287.588	ug/l #	91
12) 1,1-Dichloroethene	3.11	96	380435	49.562	ug/l	96
13) Acrolein	3.02	56	116484	251.160	ug/l	86
14) Allyl chloride	3.60	41	635228	51.948	ug/l	92
15) Acrylonitrile	4.18	53	360758	288.753	ug/l	100
16) Acetone	3.22	43	570814	266.794	ug/l	99
17) Carbon Disulfide	3.36	76	1283687	49.964	ug/l	99
18) Methyl Acetate	3.63	43	265197	64.530	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	1000552	57.705	ug/l	97
20) Methylene Chloride	3.80	84	467550	54.063	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	463575	53.824	ug/l	93
22) Diisopropyl ether	5.11	45	1359476	55.646	ug/l #	97
23) Vinyl Acetate	5.04	43	4100556	273.051	ug/l	99
24) 1,1-Dichloroethane	4.97	63	857074	54.923	ug/l	96
25) 2-Butanone	6.05	43	605514	282.001	ug/l	98
26) 2,2-Dichloropropane	6.01	77	802108	49.877	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	514361	55.702	ug/l	94
28) Bromochloromethane	6.43	49	357726	57.535	ug/l #	96
29) Tetrahydrofuran	6.45	42	320324	315.096	ug/l	98
30) Chloroform	6.65	83	1085289	56.040	ug/l	97
31) Cyclohexane	6.94	56	522179	53.385	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	963940	51.459	ug/l	99
36) 1,1-Dichloropropene	7.14	75	674459	51.798	ug/l	97
37) Ethyl Acetate	6.17	43	316306	54.072	ug/l #	98
38) Carbon Tetrachloride	7.10	117	1062776	54.217	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063331.D
 Acq On : 2 Aug 2019 22:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 02 23:30:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	514318	47.409	ug/l	93
40) Benzene	7.44	78	1417562	51.946	ug/l	100
41) Methacrylonitrile	6.44	41	409619	58.538	ug/l #	81
42) 1,2-Dichloroethane	7.57	62	757923	52.405	ug/l	96
43) Isopropyl Acetate	9.23	43	418091	55.951	ug/l #	95
44) Trichloroethene	8.54	130	562433	50.862	ug/l	98
45) 1,2-Dichloropropane	8.93	63	354860	51.160	ug/l	97
46) Dibromomethane	9.06	93	306570	53.156	ug/l	98
47) Bromodichloromethane	9.36	83	841560	57.243	ug/l	94
48) Methyl methacrylate	9.11	41	273369	56.407	ug/l	90
49) 1,4-Dioxane	9.08	88	43736	1065.603	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	1424071	280.226	ug/l	98
52) Toluene	10.50	92	969374	53.409	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	674718	53.233	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	750864	56.367	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	323879	52.836	ug/l	93
56) Ethyl methacrylate	11.04	69	382351	56.962	ug/l	99
57) 1,3-Dichloropropane	11.40	76	511349	52.945	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.84	63	970427	277.841	ug/l	96
59) 2-Hexanone	11.53	43	1059826	289.395	ug/l	98
60) Dibromochloromethane	11.68	129	639455	55.258	ug/l	95
61) 1,2-Dibromoethane	11.79	107	411740	54.435	ug/l	98
64) Tetrachloroethene	11.25	164	488290	54.738	ug/l	98
65) Chlorobenzene	12.39	112	1115783	51.806	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	556133	58.620	ug/l	97
67) Ethyl Benzene	12.52	91	2026501	55.388	ug/l	98
68) m/p-Xylenes	12.66	106	1438961	107.243	ug/l	99
69) o-Xylene	13.04	106	704169	57.149	ug/l	92
70) Styrene	13.06	104	1223049	55.971	ug/l	97
71) Bromoform	13.23	173	394673	57.206	ug/l	97
73) Isopropylbenzene	13.40	105	2179710	55.414	ug/l	96
74) N-amyl acetate	13.26	43	590077	56.746	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	385829	57.745	ug/l	95
76) 1,2,3-Trichloropropane	13.72	75	410345	54.511	ug/l	99
77) Bromobenzene	13.66	156	609640	54.406	ug/l	90
78) n-propylbenzene	13.77	91	2335416	49.892	ug/l	99
79) 2-Chlorotoluene	13.83	91	1360581	50.163	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	1720377	50.709	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	105822	50.625	ug/l	97
82) 4-Chlorotoluene	13.94	91	1694405	53.082	ug/l	93
83) tert-Butylbenzene	14.19	119	1942586	50.147	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1748341	49.822	ug/l	99
85) sec-Butylbenzene	14.36	105	1966081	48.173	ug/l	99
86) p-Isopropyltoluene	14.48	119	1905455	48.915	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	1005668	50.679	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	1036918	51.674	ug/l	97
89) n-Butylbenzene	14.80	91	1721589	51.170	ug/l	97
90) Hexachloroethane	15.00	117	514761	50.721	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	892223	51.605	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	75723	55.637	ug/l	66

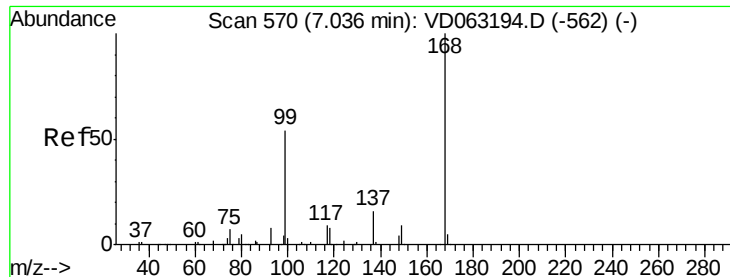
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080219\
Data File : VD063331.D
Acq On : 2 Aug 2019 22:45
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Aug 02 23:30:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	669539	48.815	ug/l	98
94) Hexachlorobutadiene	16.04	225	507729	51.081	ug/l	99
95) Naphthalene	16.12	128	1082736	55.851	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	534614	49.339	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

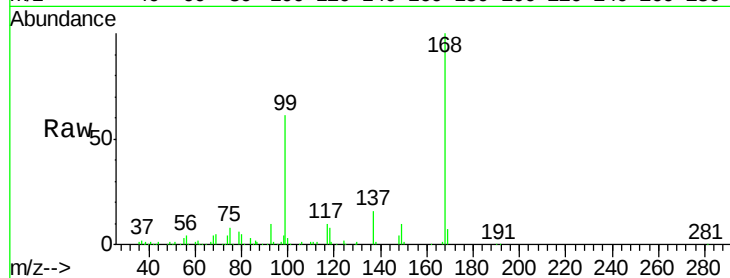
VSTDCCC050

Tot Ion:168 Resp: 989642

Ion Ratio Lower Upper

168 100

99 61.5 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

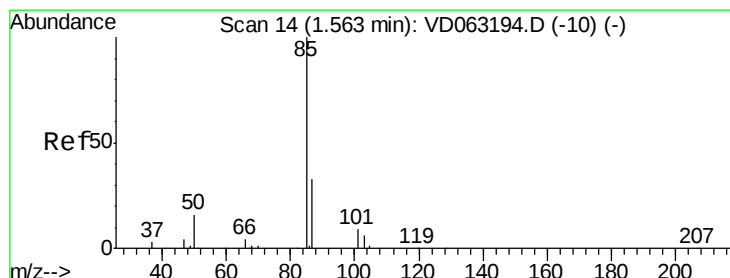
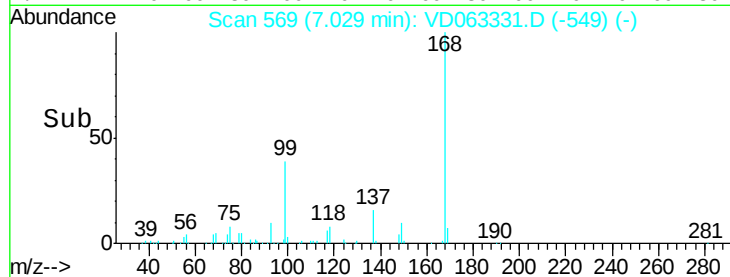
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.829 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063331.D

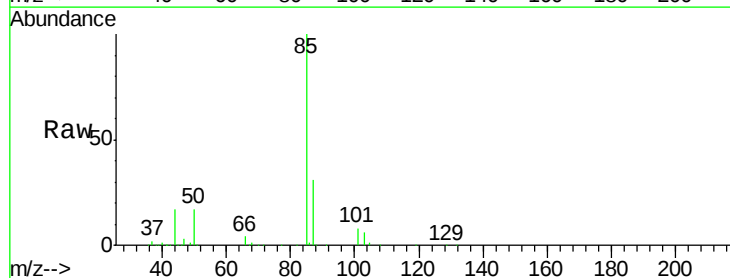
Acq: 2 Aug 2019 22:45

Tgt Ion: 85 Resp: 554390

Ion Ratio Lower Upper

85 100

87 31.0 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

300000

250000

200000

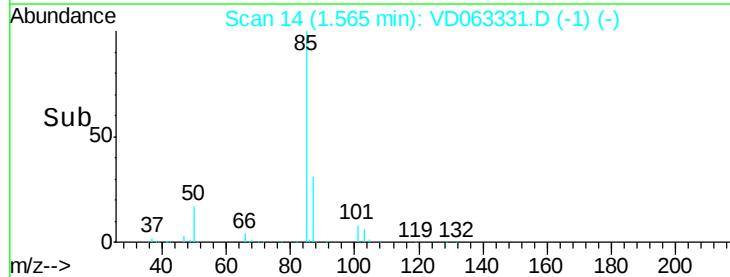
150000

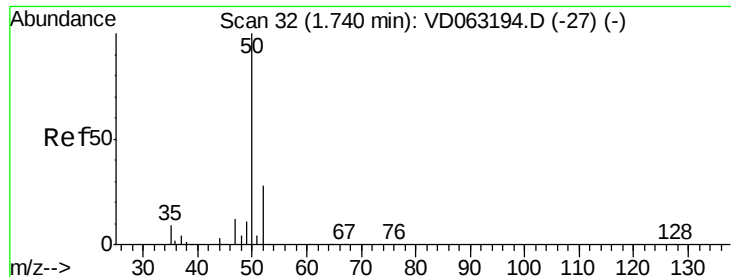
100000

50000

0

Time-->





#3

Chloromethane

Concen: 50.517 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

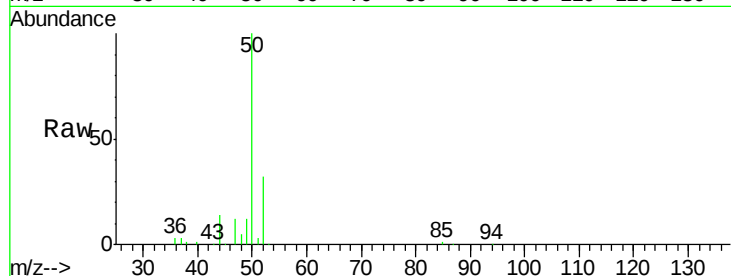
VSTDCCC050

Tot Ion: 50 Resp: 474798

Ion Ratio Lower Upper

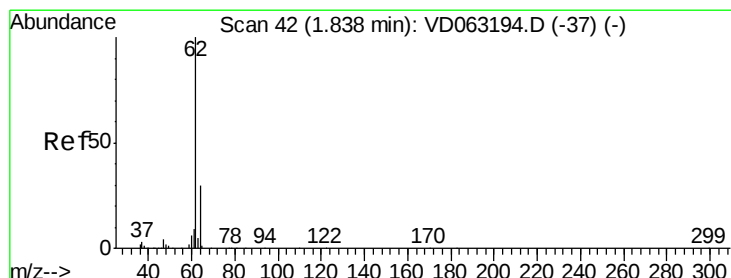
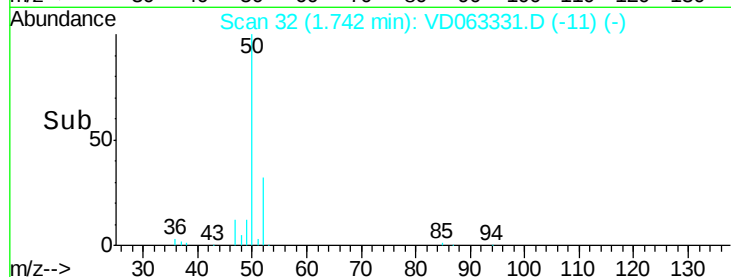
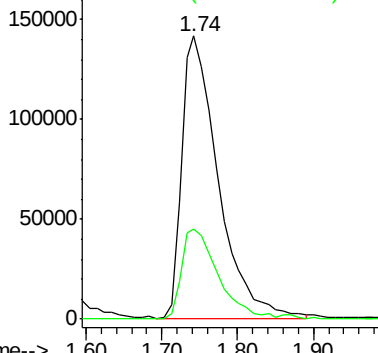
50 100

52 31.7 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.922 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063331.D

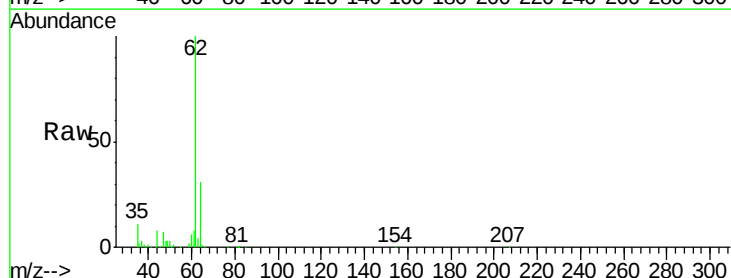
Acq: 2 Aug 2019 22:45

Tgt Ion: 62 Resp: 456539

Ion Ratio Lower Upper

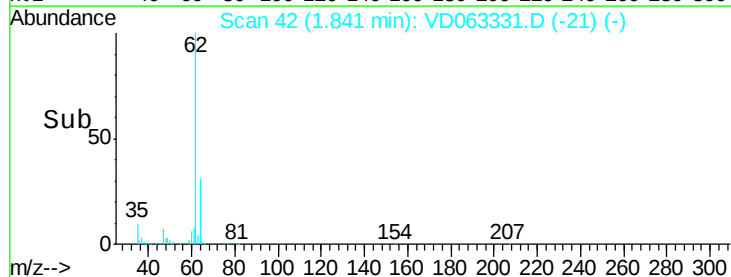
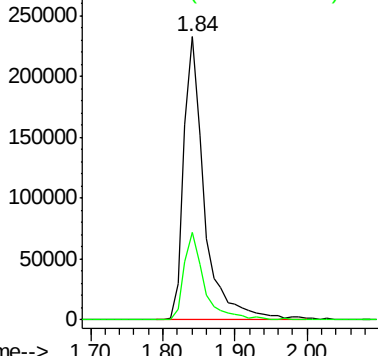
62 100

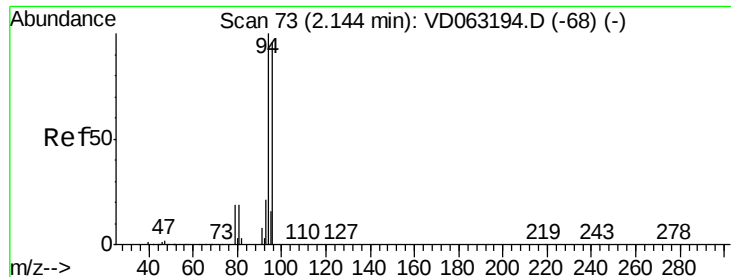
64 31.1 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 48.347 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

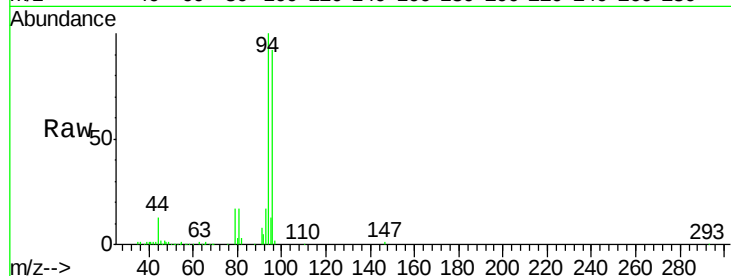
Tot Ion: 94 Resp: 237246

Ion Ratio Lower Upper

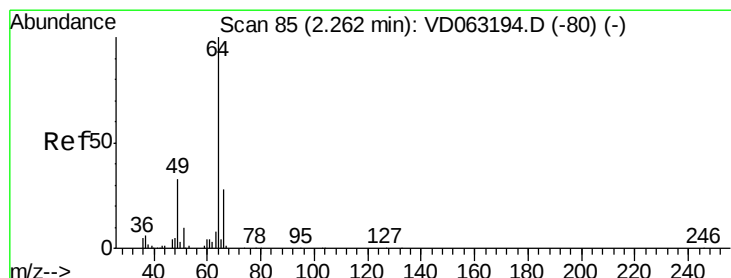
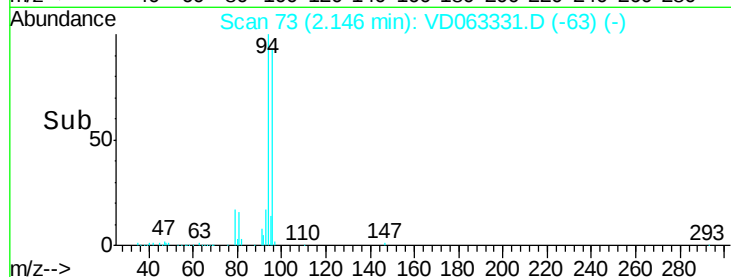
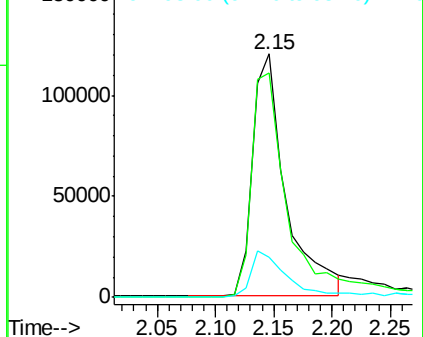
94 100

96 92.1 76.4 114.6

93 16.5 17.3 25.9#



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 51.169 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063331.D

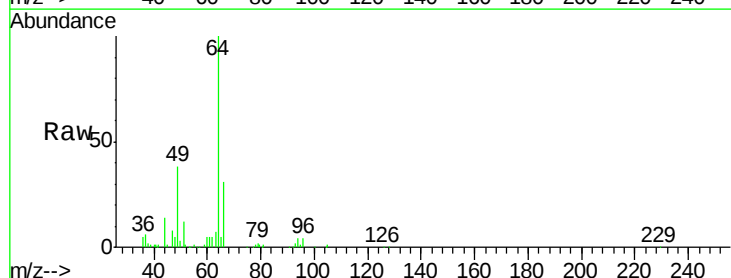
Acq: 2 Aug 2019 22:45

Tgt Ion: 64 Resp: 229860

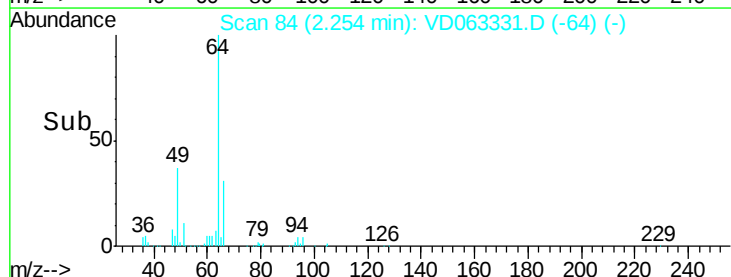
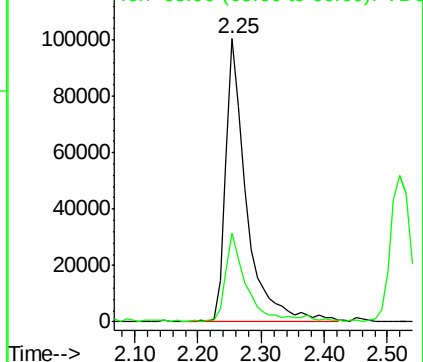
Ion Ratio Lower Upper

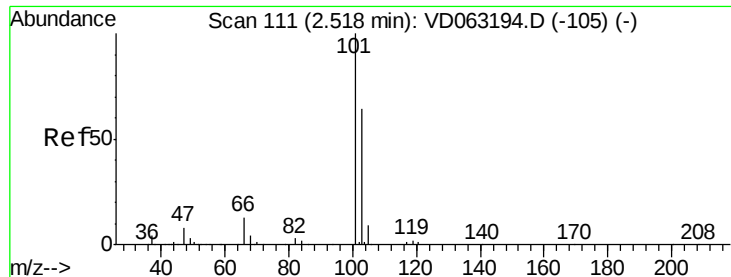
64 100

66 31.2 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



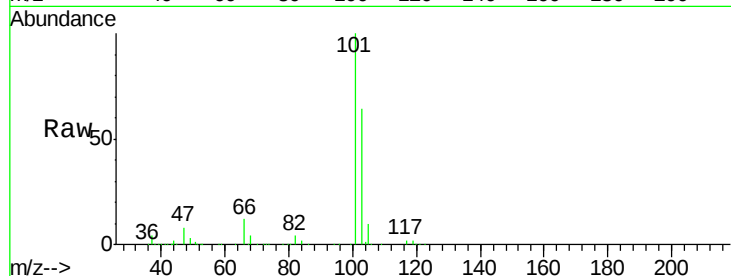


#7

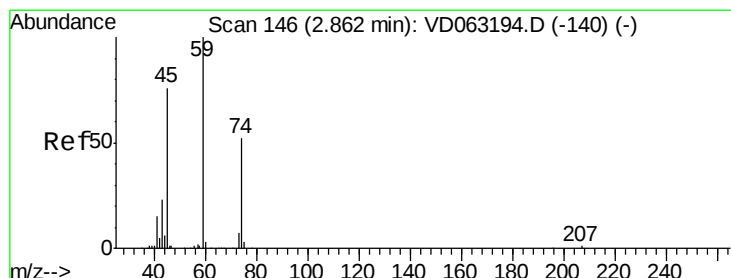
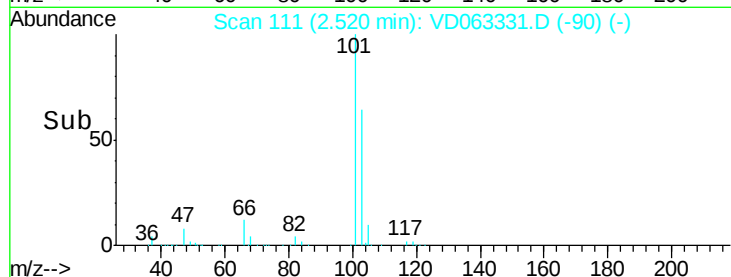
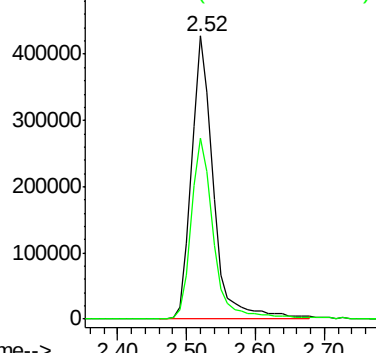
Trichlorofluoromethane
Concen: 50.085 ug/l
RT: 2.52 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 945383
Ion Ratio Lower Upper
101 100
103 63.9 51.5 77.3



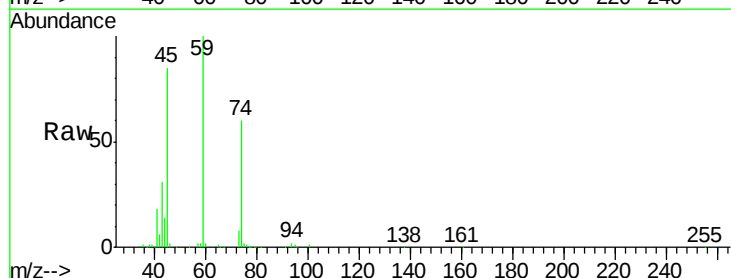
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



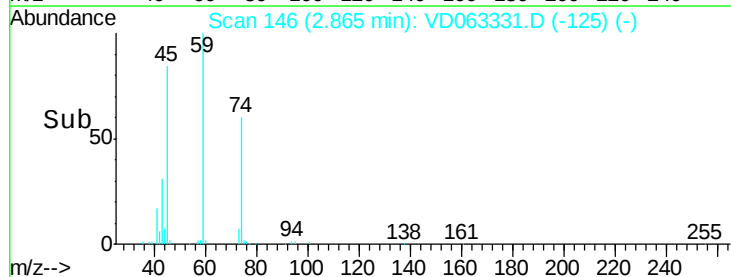
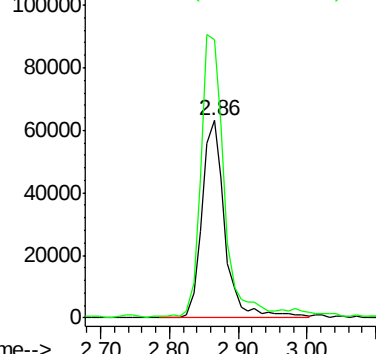
#8

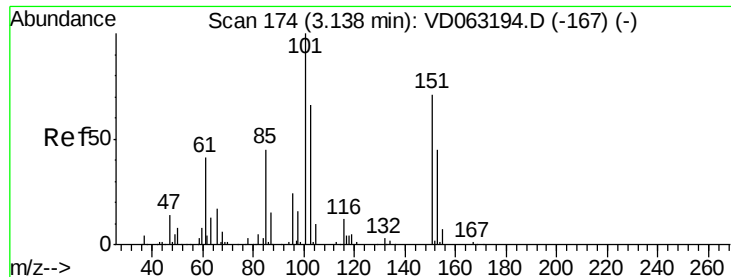
Diethyl Ether
Concen: 54.950 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Tgt Ion: 74 Resp: 145163
Ion Ratio Lower Upper
74 100
45 140.9 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.718 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

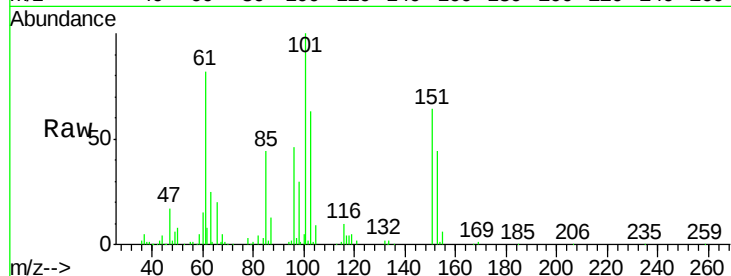
Tot Ion:101 Resp: 530305

Ion Ratio Lower Upper

101 100

85 43.8 36.1 54.1

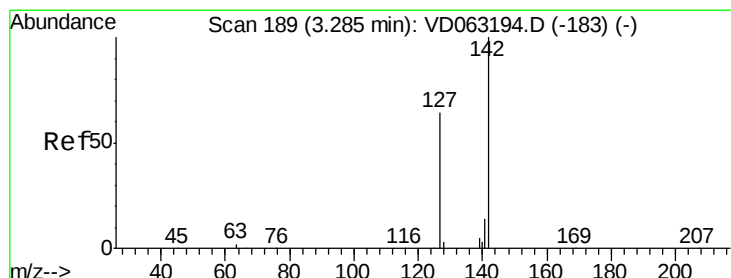
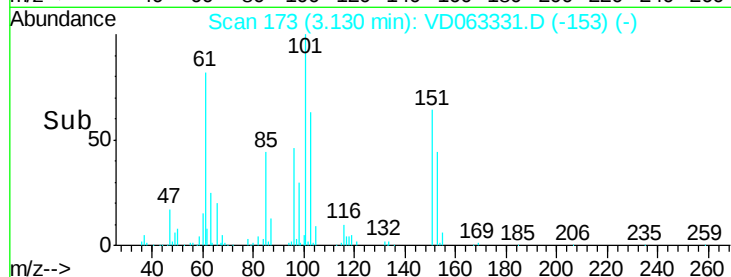
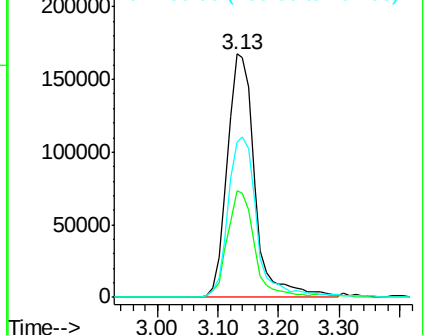
151 63.9 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 52.417 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

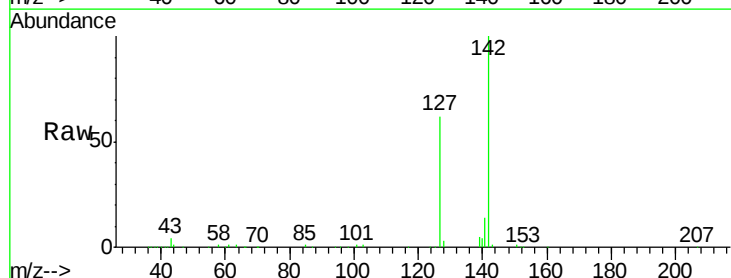
Tgt Ion:142 Resp: 791747

Ion Ratio Lower Upper

142 100

127 61.6 50.8 76.2

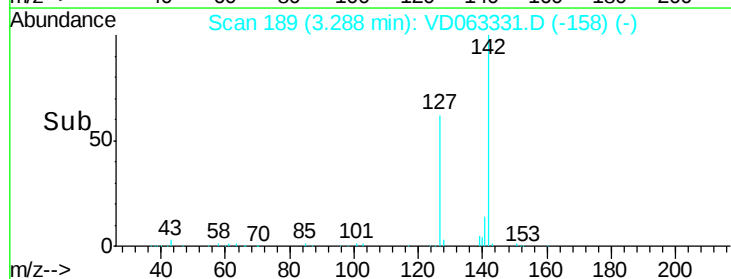
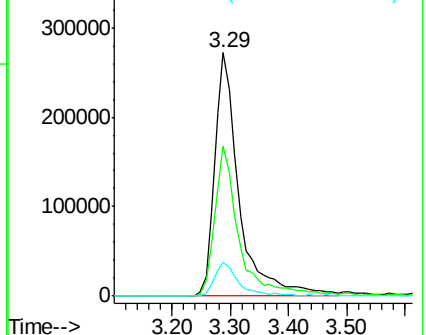
141 13.7 11.4 17.2

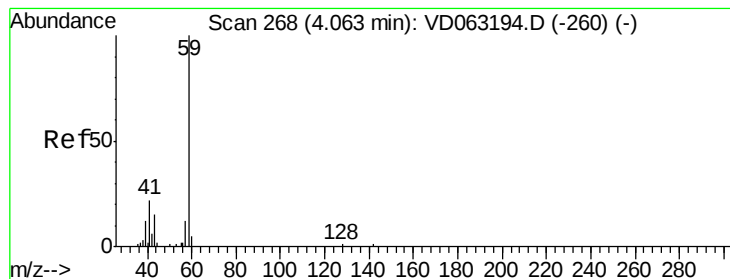


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



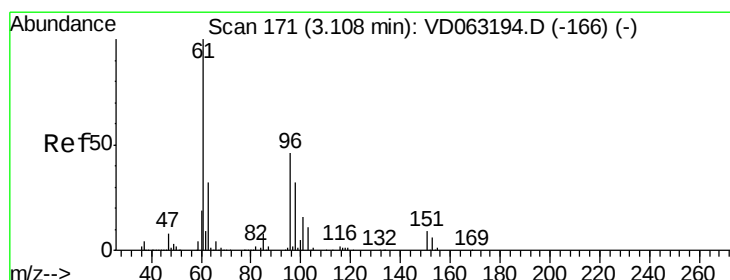
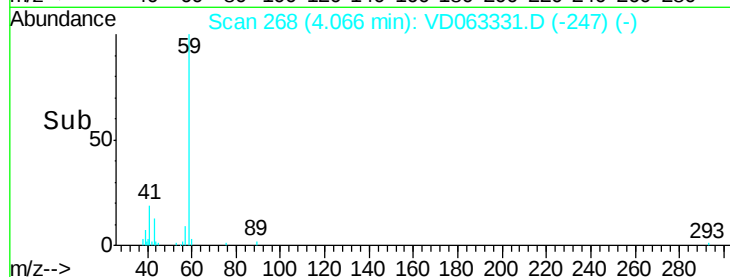
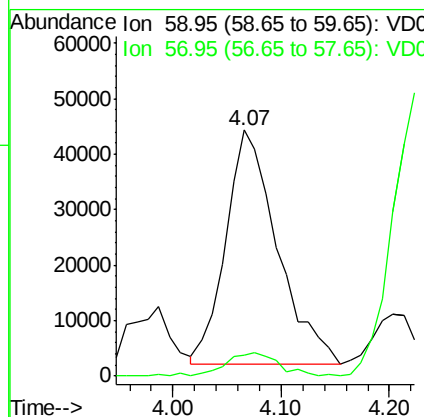
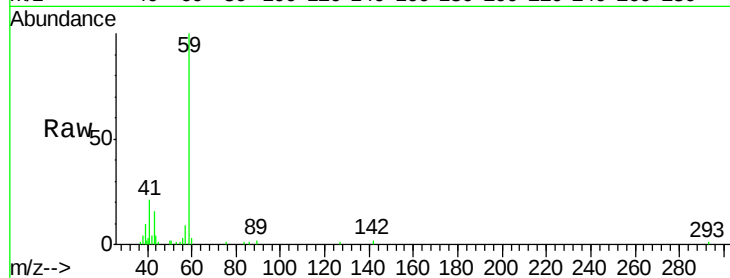


#11

Tert butyl alcohol
 Concen: 287.588 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

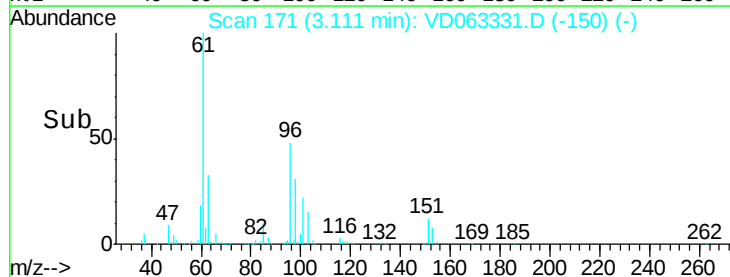
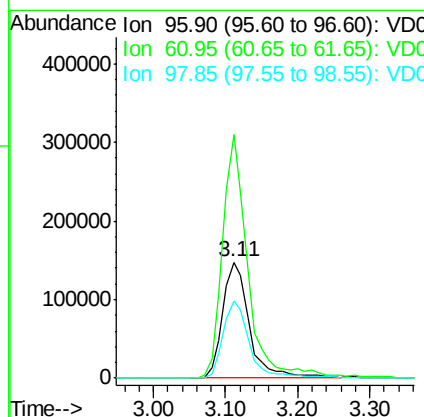
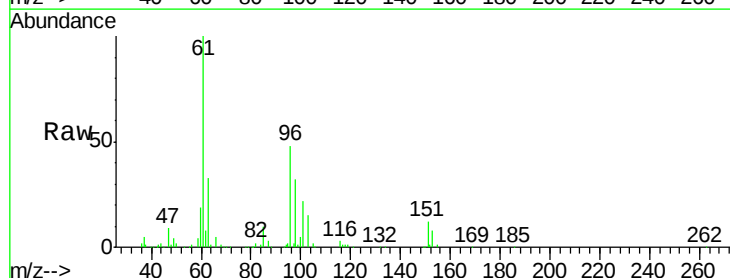
Tot Ion: 59 Resp: 138589
 Ion Ratio Lower Upper
 59 100
 57 8.5 9.6 14.4#

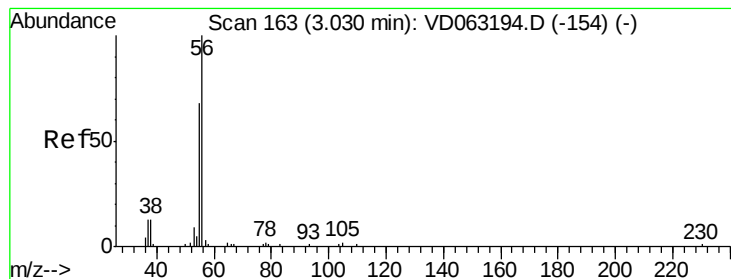


#12

1,1-Dichloroethene
 Concen: 49.562 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. 0.00 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

Tgt Ion: 96 Resp: 380435
 Ion Ratio Lower Upper
 96 100
 61 210.4 173.7 260.5
 98 66.3 55.8 83.8





#13

Acrolein

Concen: 251.160 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

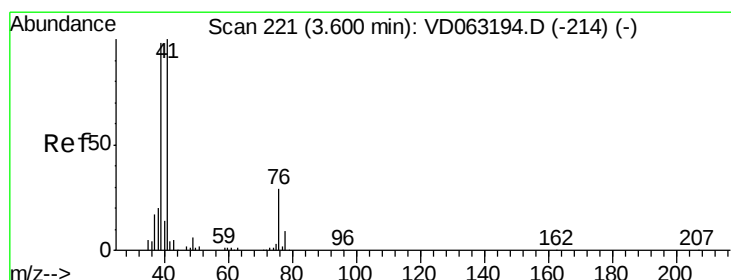
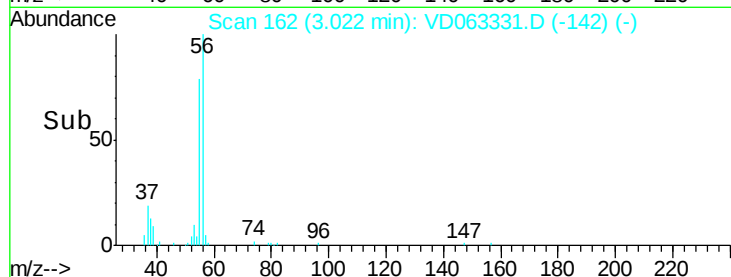
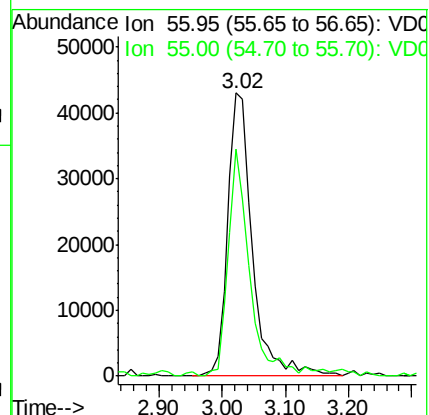
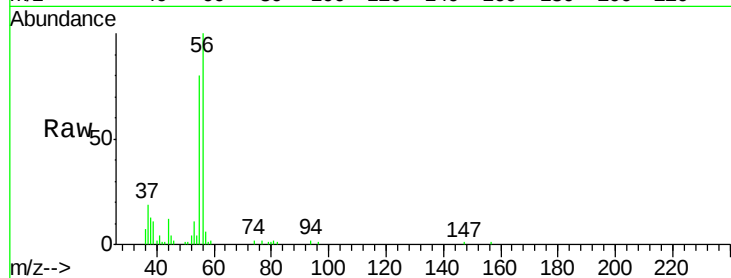
VSTDCCC050

Tot Ion: 56 Resp: 116484

Ion Ratio Lower Upper

56 100

55 80.2 55.3 82.9



#14

Allyl chloride

Concen: 51.948 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

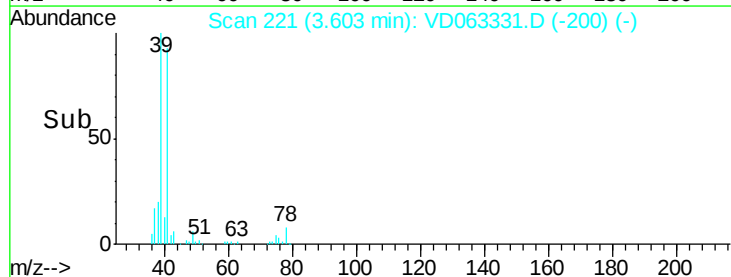
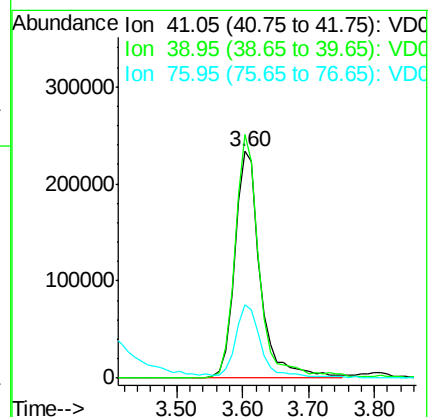
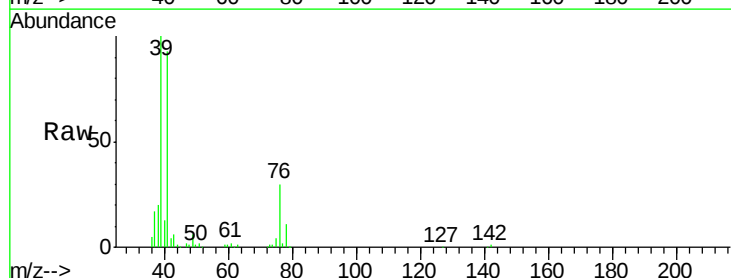
Tgt Ion: 41 Resp: 635228

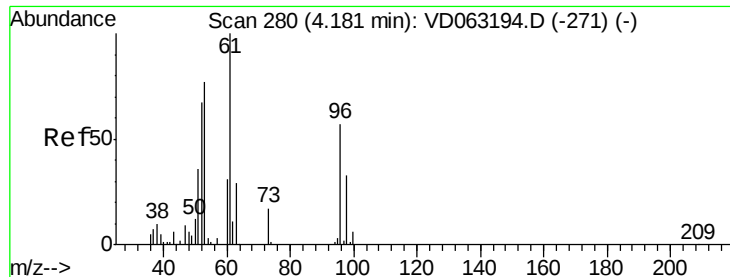
Ion Ratio Lower Upper

41 100

39 107.3 78.6 117.8

76 32.1 24.5 36.7





#15

Acrylonitrile

Concen: 288.753 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

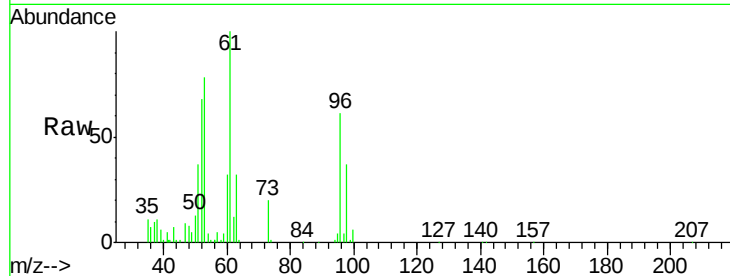
Tot Ion: 53 Resp: 360758

Ion Ratio Lower Upper

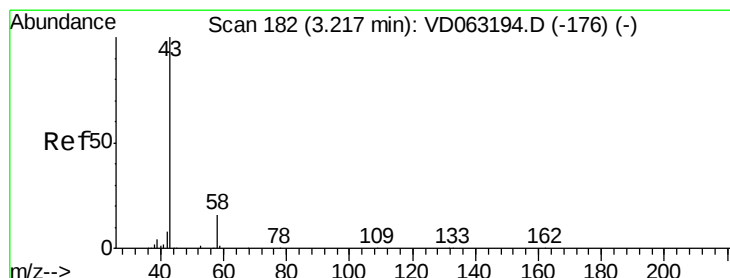
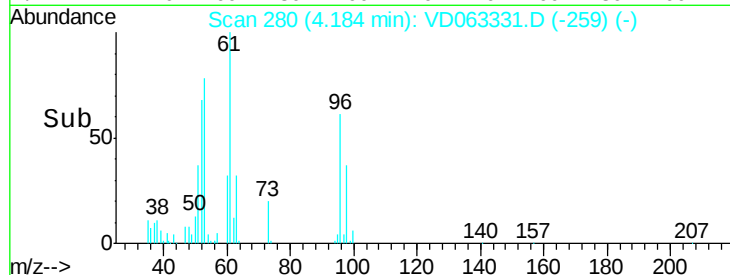
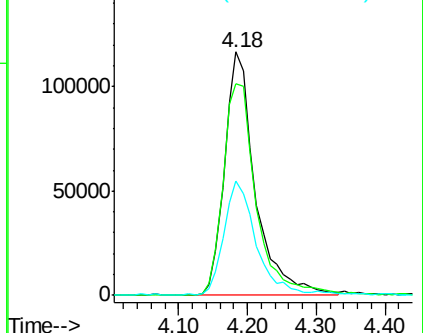
53 100

52 86.8 69.7 104.5

51 47.2 37.4 56.0



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



#16

Acetone

Concen: 266.794 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063331.D

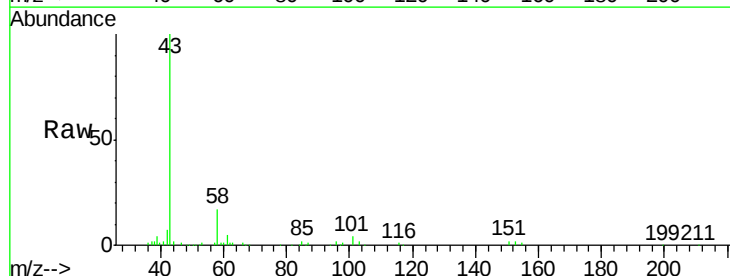
Acq: 2 Aug 2019 22:45

Tgt Ion: 43 Resp: 570814

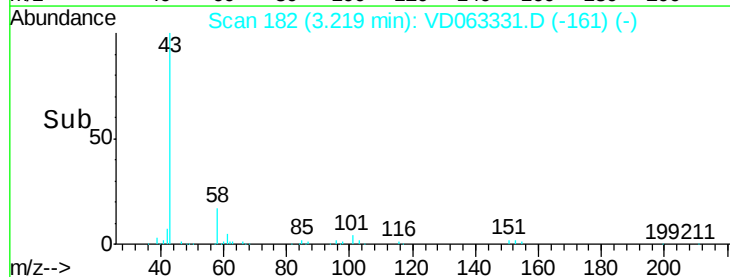
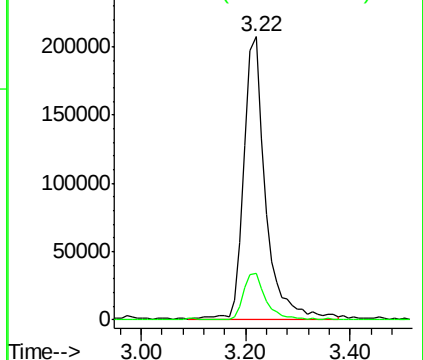
Ion Ratio Lower Upper

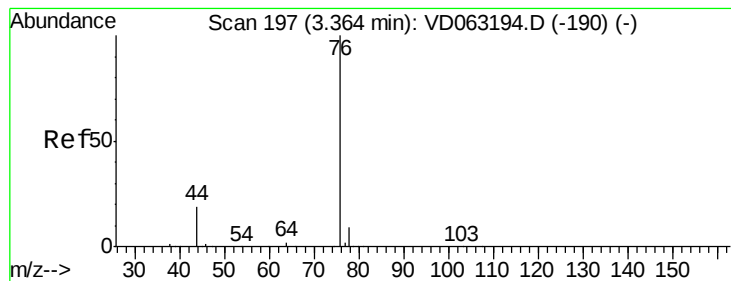
43 100

58 16.6 13.0 19.4



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





#17

Carbon Disulfide

Concen: 49.964 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

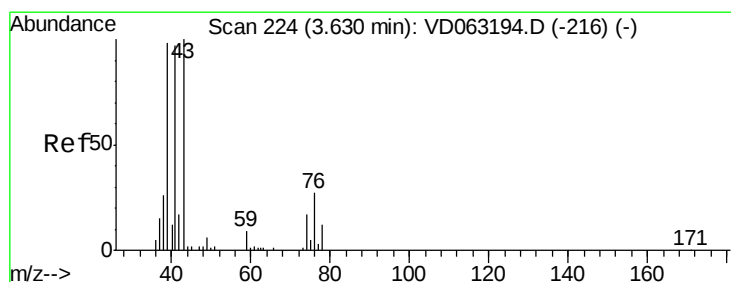
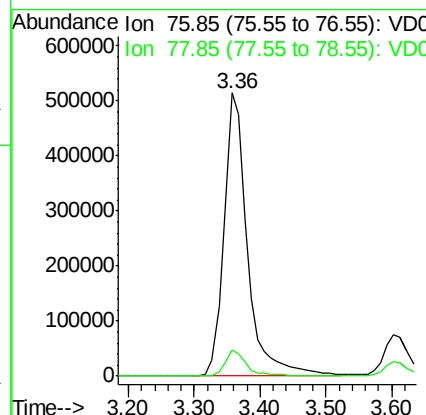
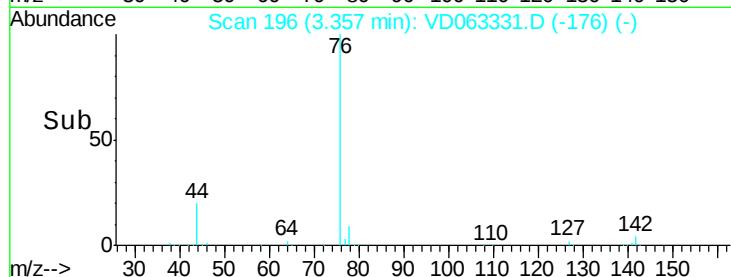
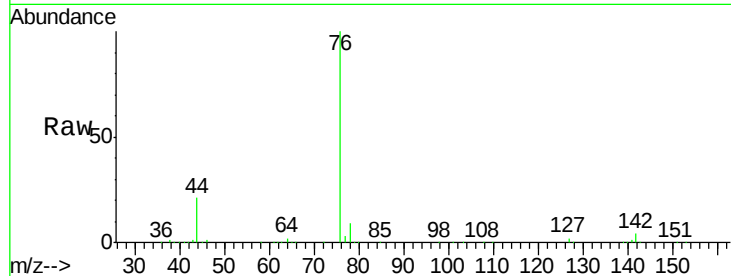
VSTDCCC050

Tot Ion: 76 Resp: 1283687

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



#18

Methyl Acetate

Concen: 64.530 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063331.D

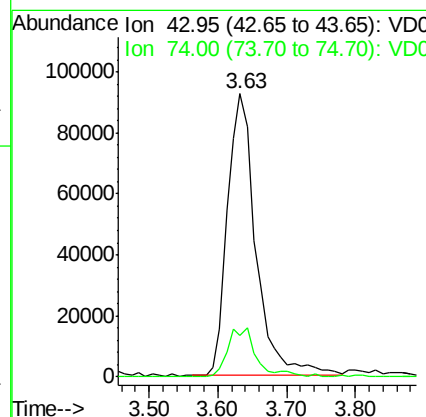
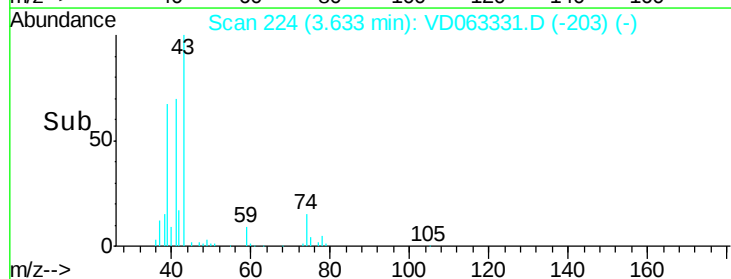
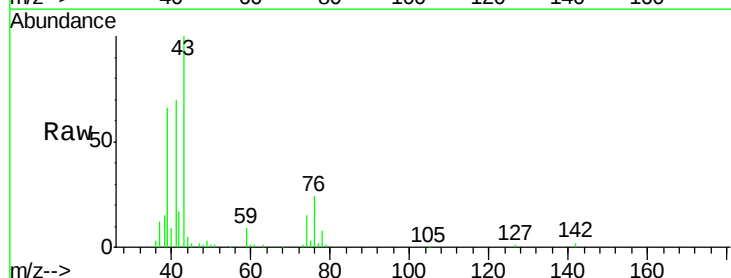
Acq: 2 Aug 2019 22:45

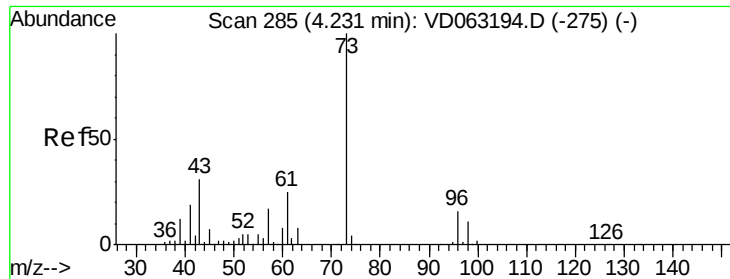
Tgt Ion: 43 Resp: 265197

Ion Ratio Lower Upper

43 100

74 14.5 13.8 20.8

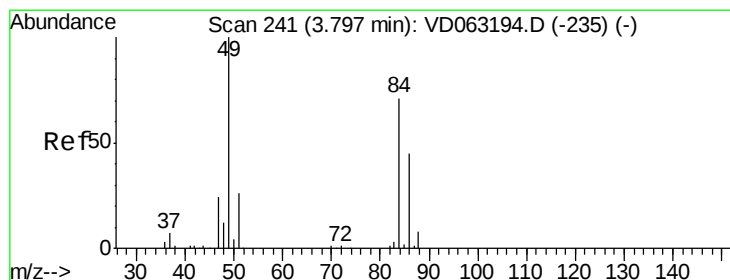
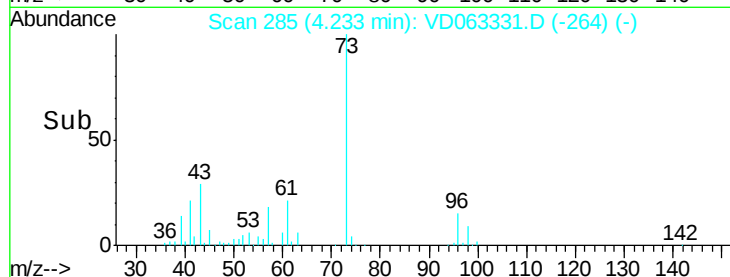
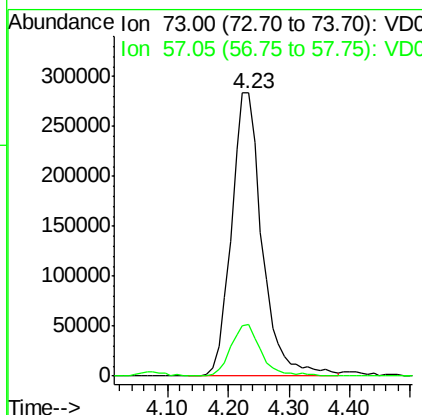
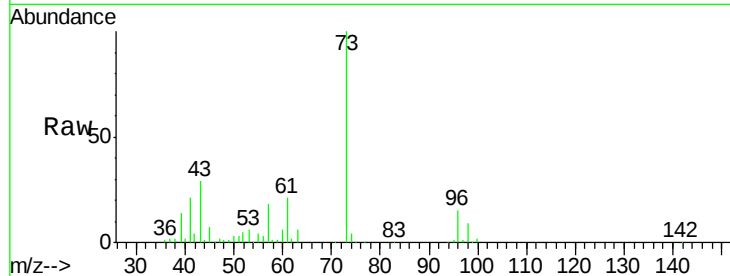




#19
Methyl tert-butyl Ether
Concen: 57.705 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

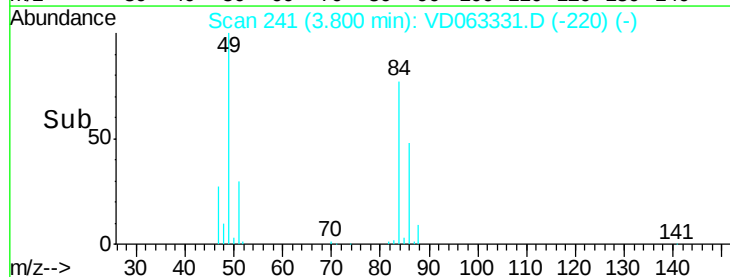
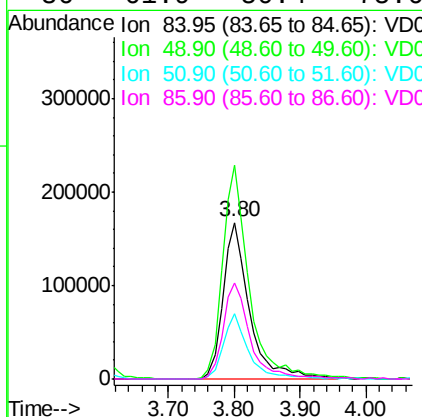
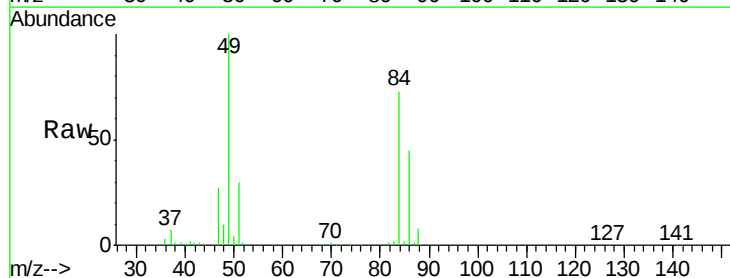
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

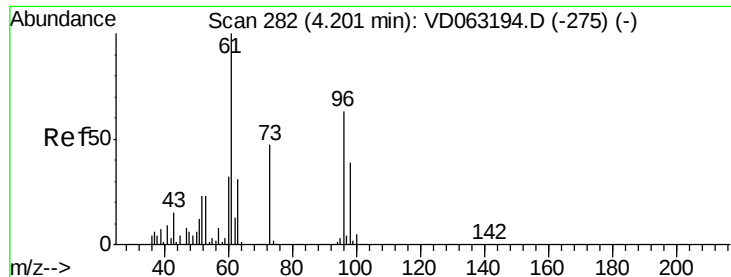
Tot Ion: 73 Resp: 1000552
Ion Ratio Lower Upper
73 100
57 18.5 13.8 20.6



#20
Methylene Chloride
Concen: 54.063 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Tgt Ion: 84 Resp: 467550
Ion Ratio Lower Upper
84 100
49 136.8 112.5 168.7
51 41.6 29.6 44.4
86 61.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 53.824 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

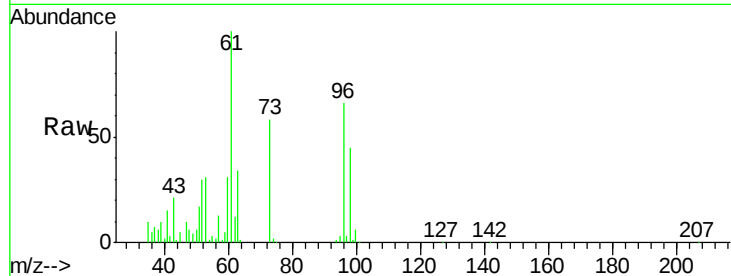
Tot Ion: 96 Resp: 463575

Ion Ratio Lower Upper

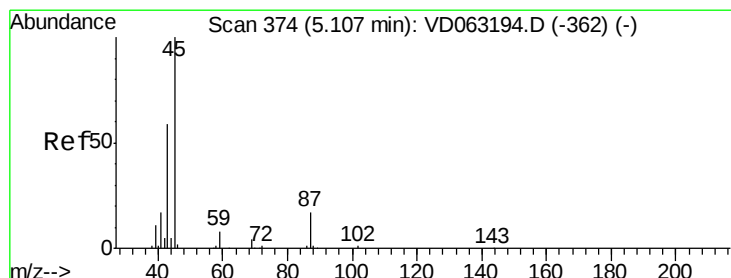
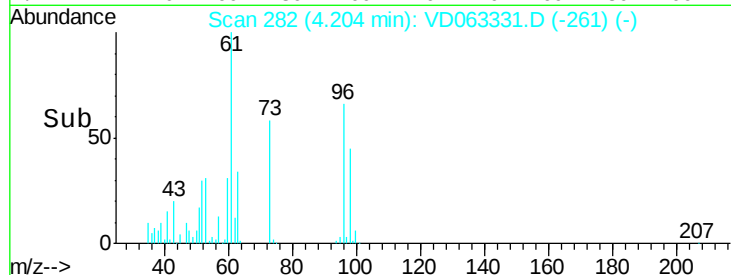
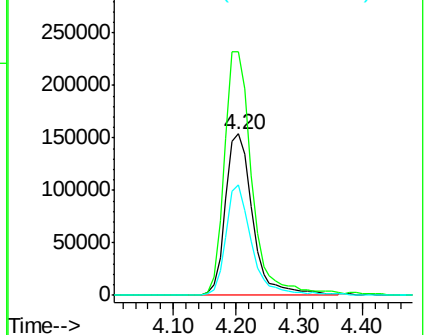
96 100

61 150.8 127.4 191.2

98 68.5 49.3 73.9



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



#22

Diisopropyl ether

Concen: 55.646 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Tgt Ion: 45 Resp: 1359476

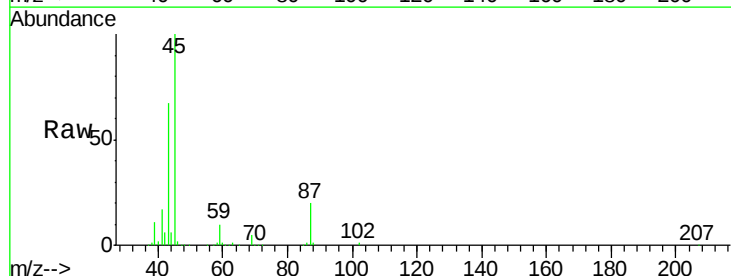
Ion Ratio Lower Upper

45 100

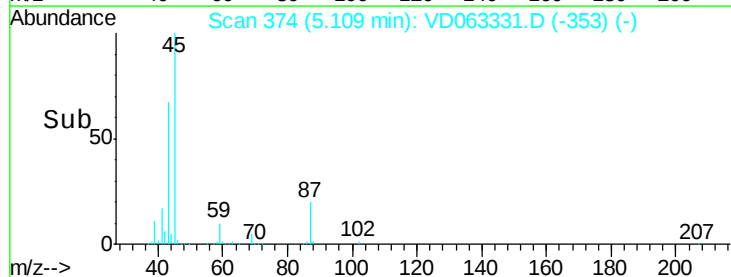
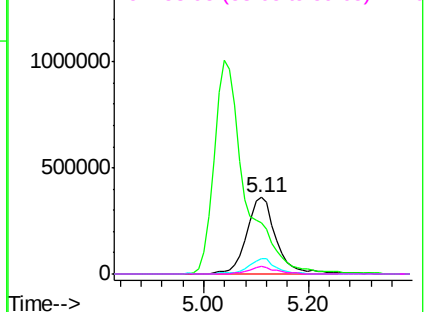
43 66.7 51.7 77.5

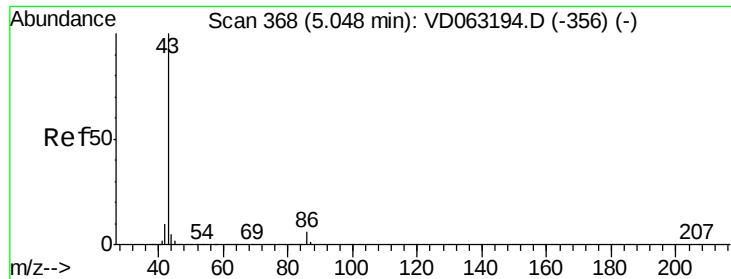
87 20.1 14.6 21.8

59 10.1 6.6 10.0#



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





#23

Vinyl Acetate

Concen: 273.051 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

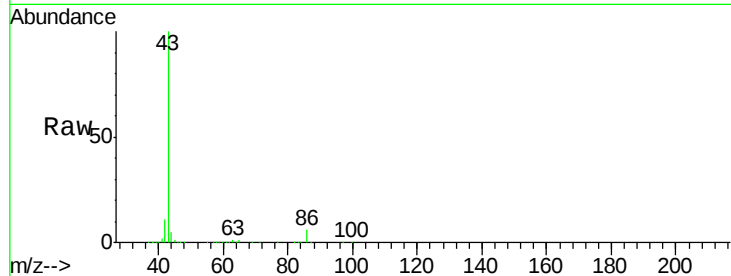
VSTDCCC050

Tot Ion: 43 Resp: 4100556

Ion Ratio Lower Upper

43 100

86 5.9 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

1200000

1000000

800000

600000

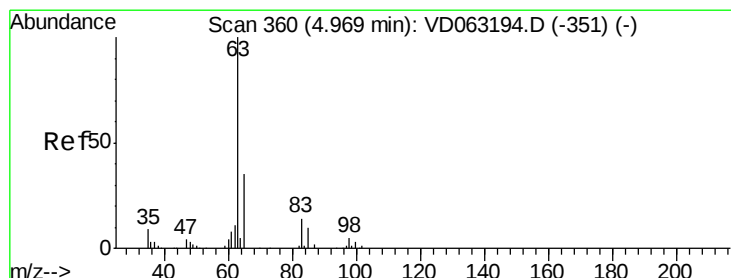
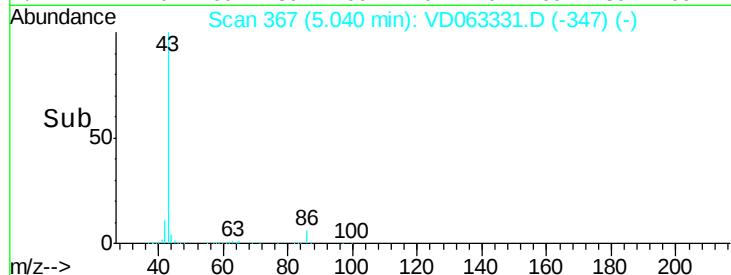
400000

200000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#24

1,1-Dichloroethane

Concen: 54.923 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

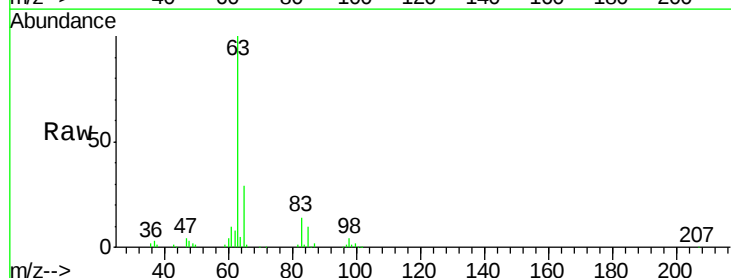
Tgt Ion: 63 Resp: 857074

Ion Ratio Lower Upper

63 100

98 3.6 2.8 8.4

100 2.3 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.97

300000

250000

200000

150000

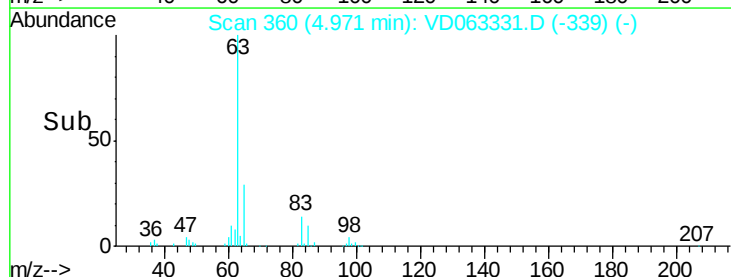
100000

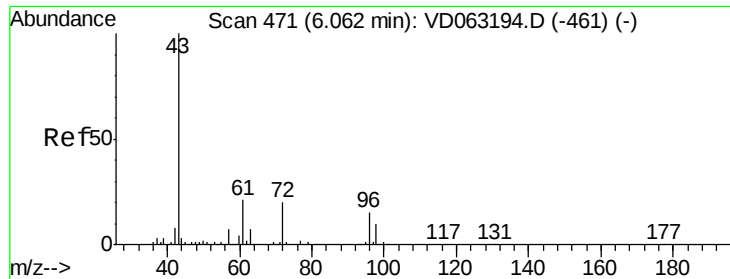
50000

0

4.80 4.90 5.00 5.10 5.20

Time-->





#25

2-Butanone

Concen: 282.001 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

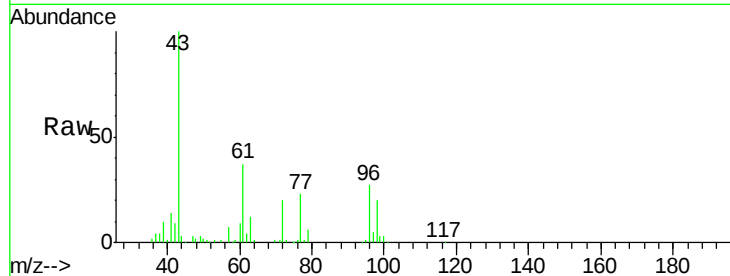
VSTDCCC050

Tot Ion: 43 Resp: 605514

Ion Ratio Lower Upper

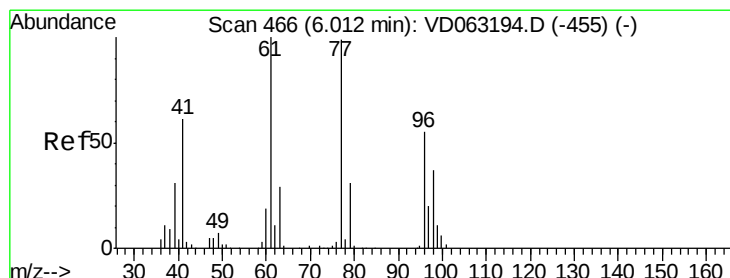
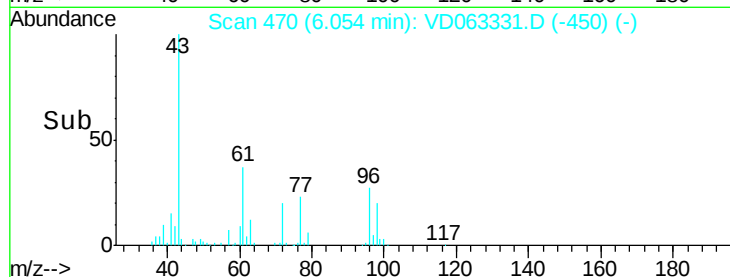
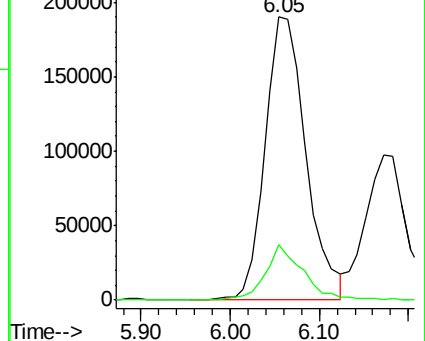
43 100

72 19.7 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.877 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063331.D

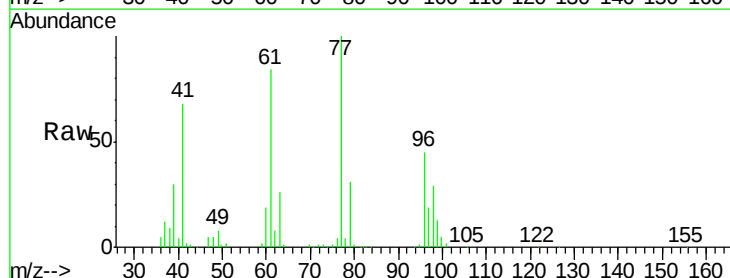
Acq: 2 Aug 2019 22:45

Tgt Ion: 77 Resp: 802108

Ion Ratio Lower Upper

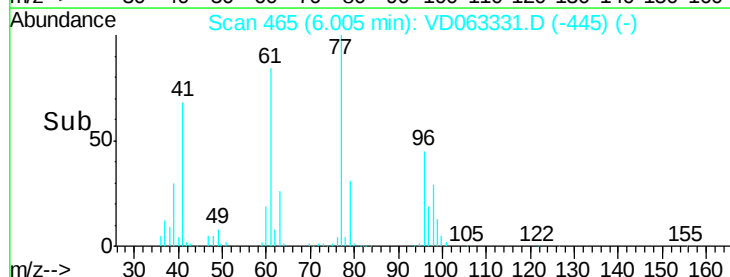
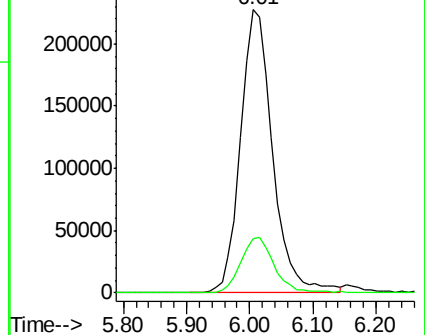
77 100

97 19.3 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



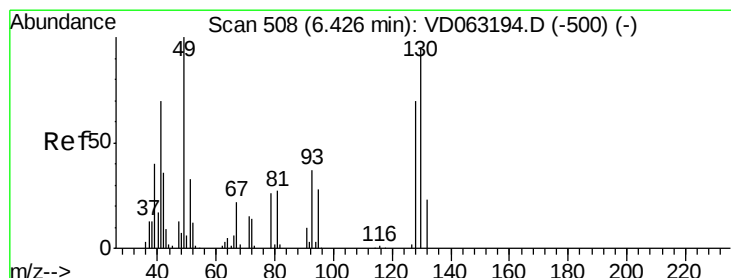
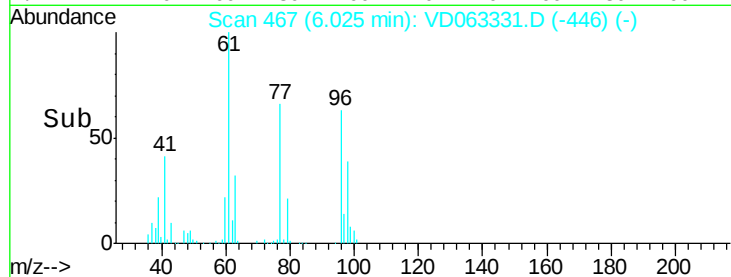
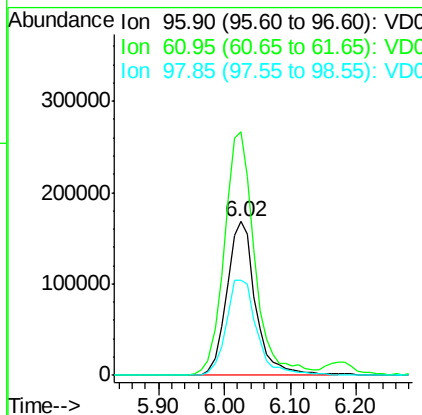
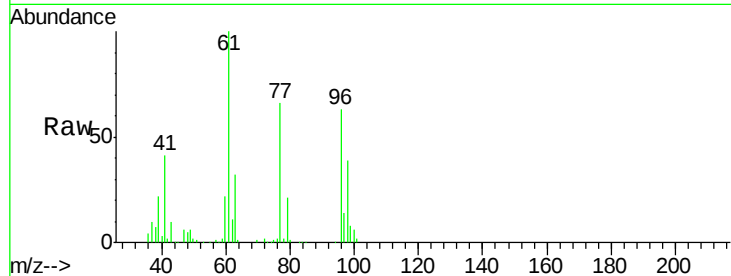


#27

cis-1,2-Dichloroethene
 Concen: 55.702 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

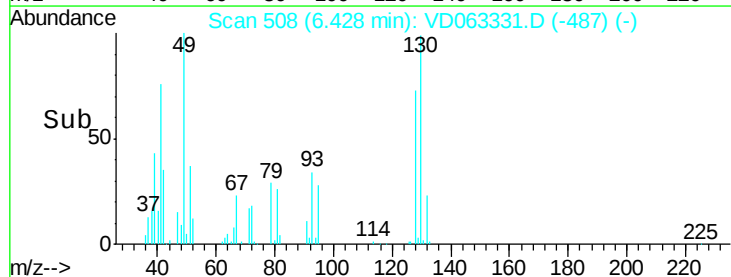
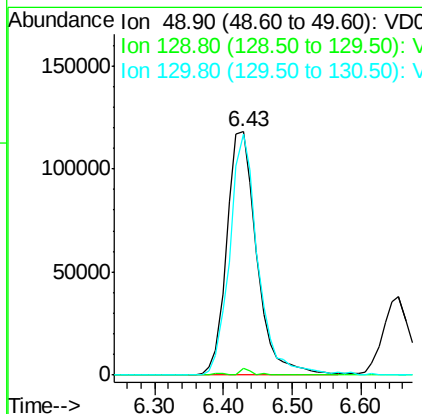
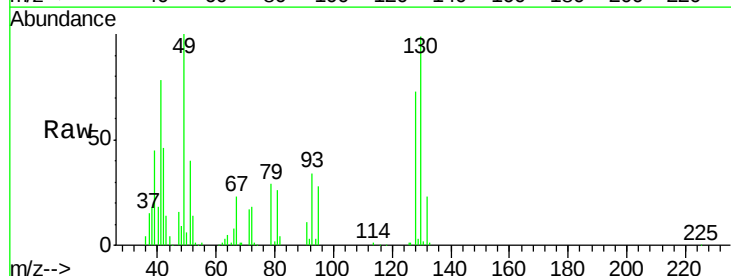
Tot Ion	Ratio	Lower	Upper
96	100		
61	158.7	0.0	337.2
98	61.9	0.0	130.6

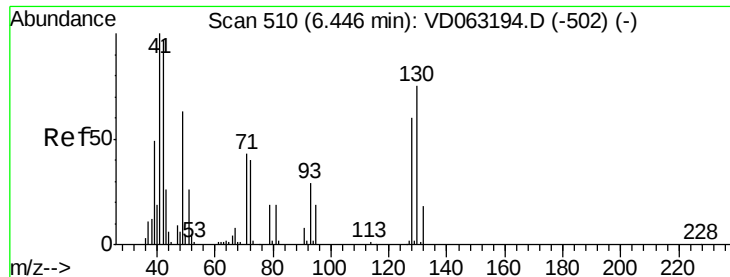


#28

Bromochloromethane
 Concen: 57.535 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	0.0#
130	98.9	75.7	113.5





#29

Tetrahydrofuran

Concen: 315.096 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

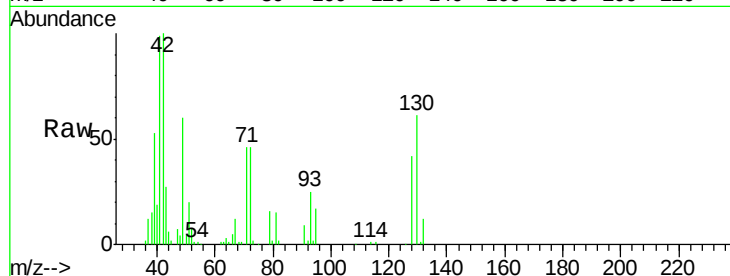
Tot Ion: 42 Resp: 320324

Ion Ratio Lower Upper

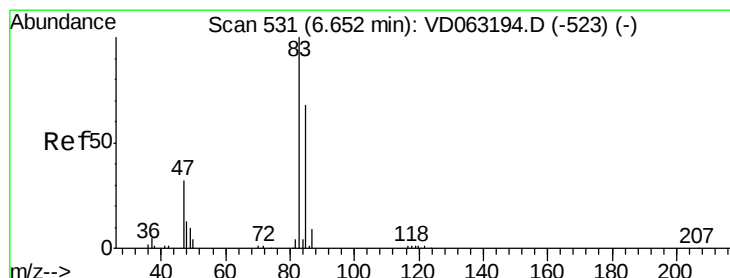
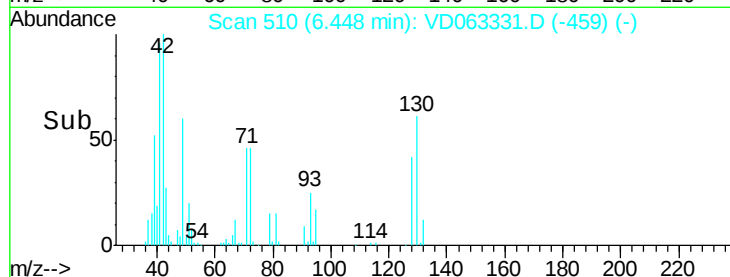
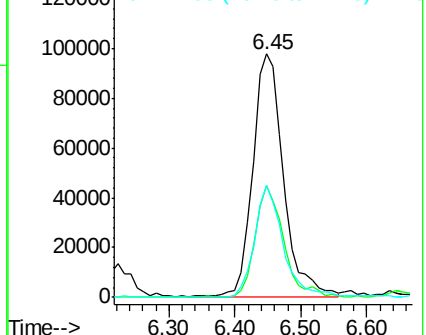
42 100

72 42.9 33.4 50.2

71 42.5 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 56.040 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063331.D

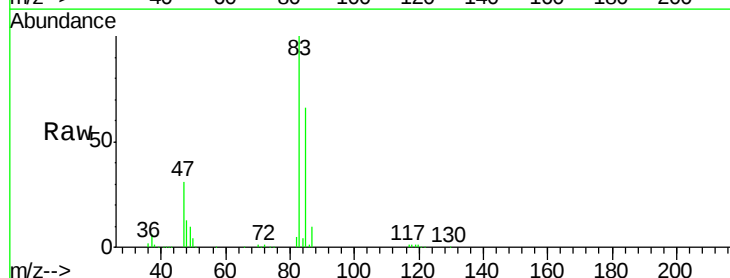
Acq: 2 Aug 2019 22:45

Tgt Ion: 83 Resp: 1085289

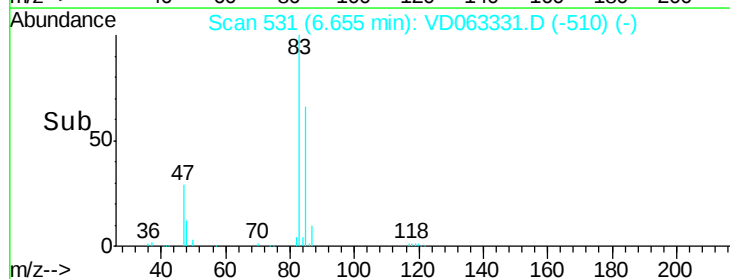
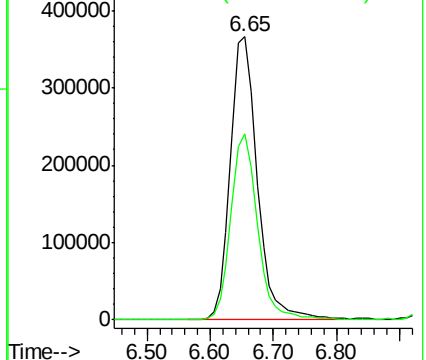
Ion Ratio Lower Upper

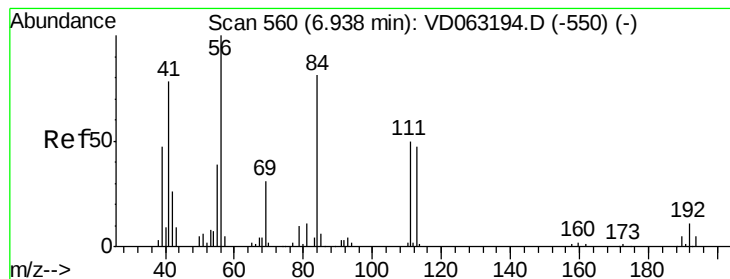
83 100

85 65.8 54.2 81.4



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





#31

Cyclohexane

Concen: 53.385 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

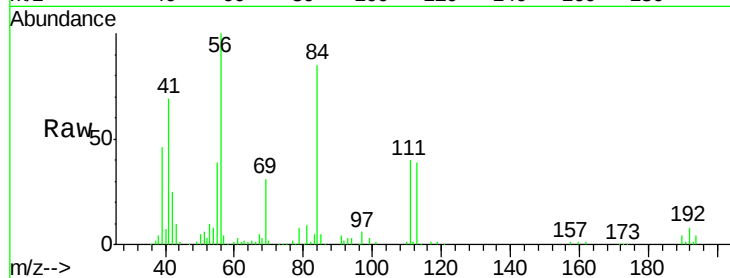
Tot Ion: 56 Resp: 522179

Ion Ratio Lower Upper

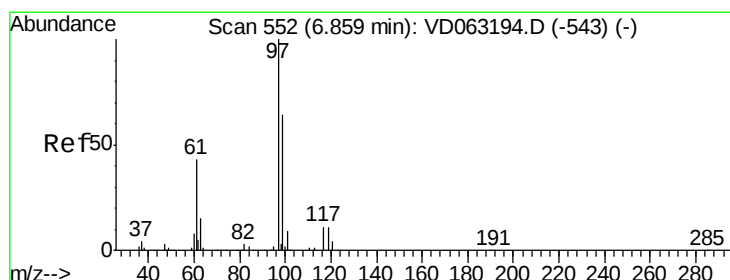
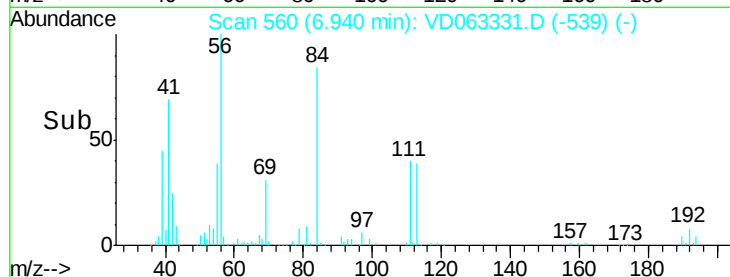
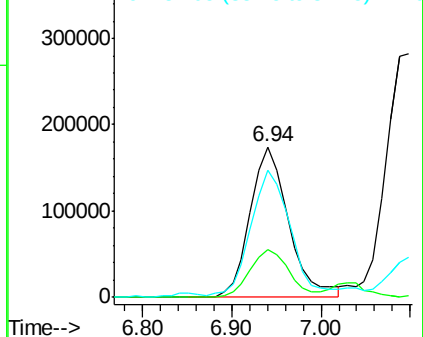
56 100

69 31.3 24.5 36.7

84 84.5 64.9 97.3



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



#32

1,1,1-Trichloroethane

Concen: 51.459 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

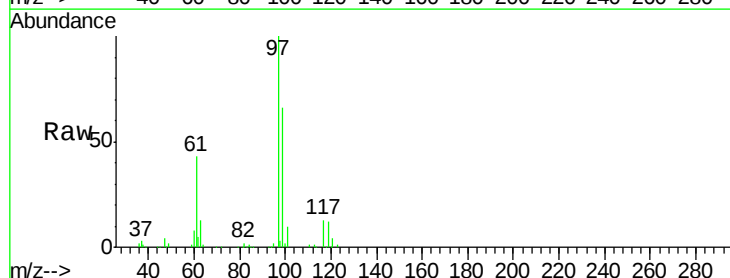
Tgt Ion: 97 Resp: 963940

Ion Ratio Lower Upper

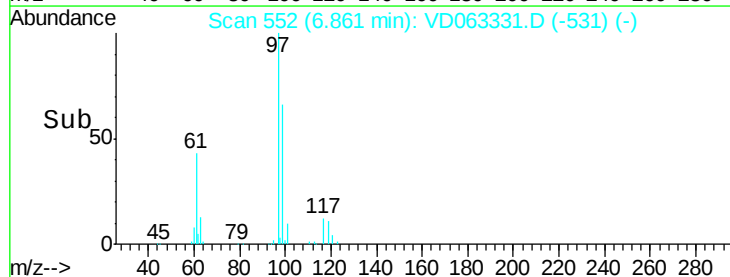
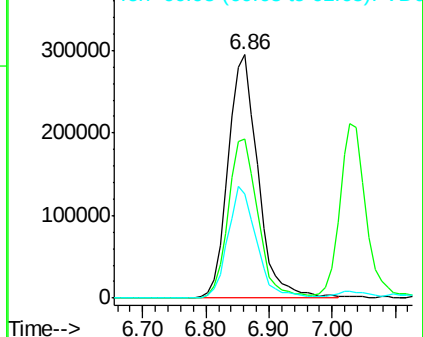
97 100

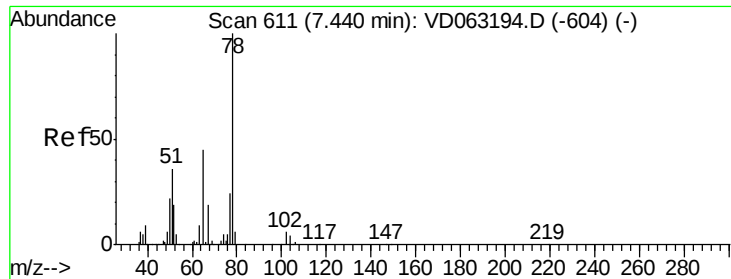
99 65.5 51.2 76.8

61 42.8 34.2 51.2



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

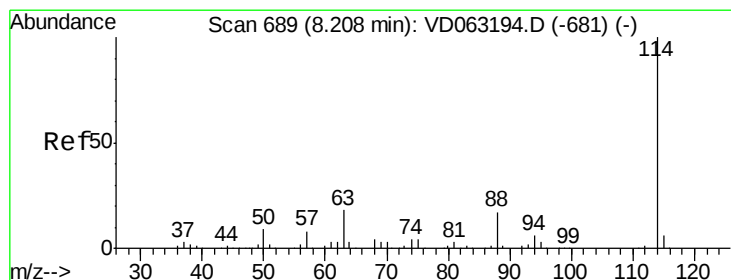
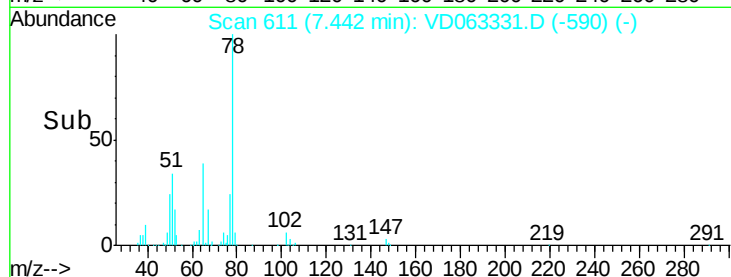
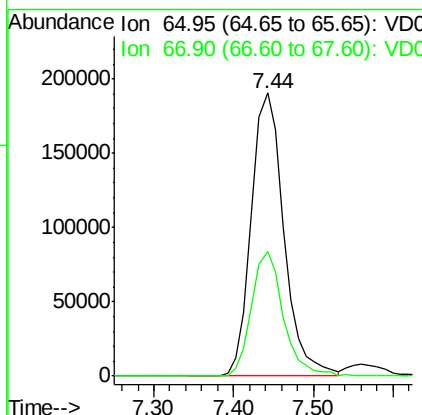
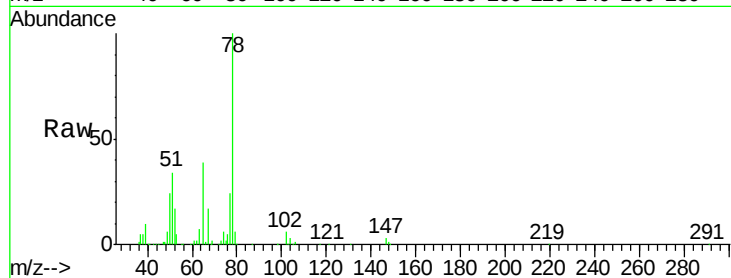




#33
 1,2-Dichloroethane-d4
 Concen: 48.833 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

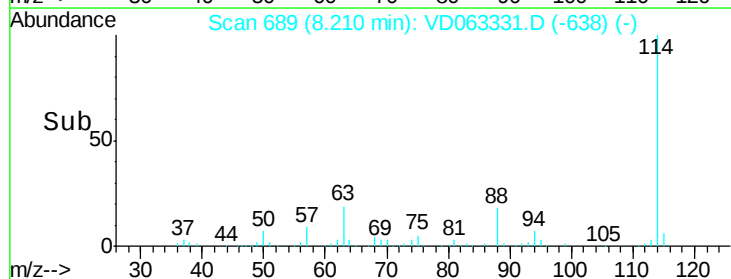
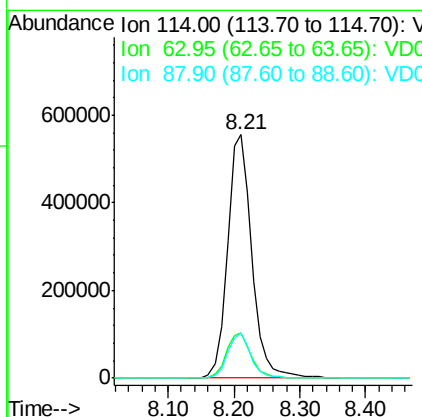
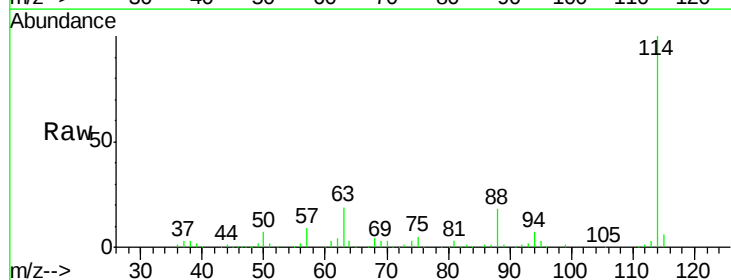
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

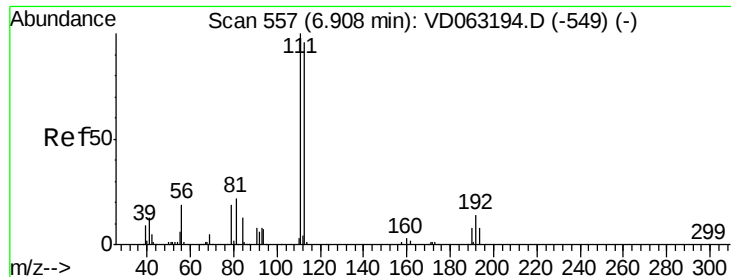
Tot Ion: 65 Resp: 536237
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

Tgt Ion: 114 Resp: 1426743
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 35.2
 88 18.3 0.0 34.6





#35

Dibromofluoromethane

Concen: 47.725 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

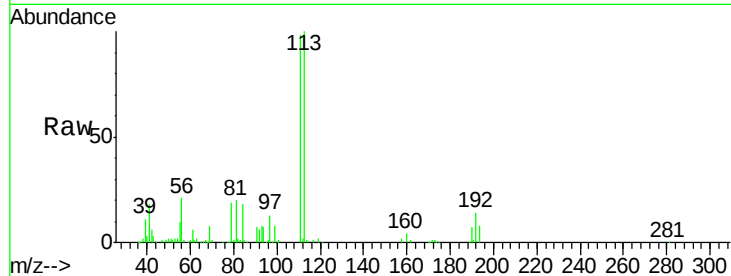
Tot Ion:113 Resp: 581357

Ion Ratio Lower Upper

113 100

111 98.0 83.2 124.8

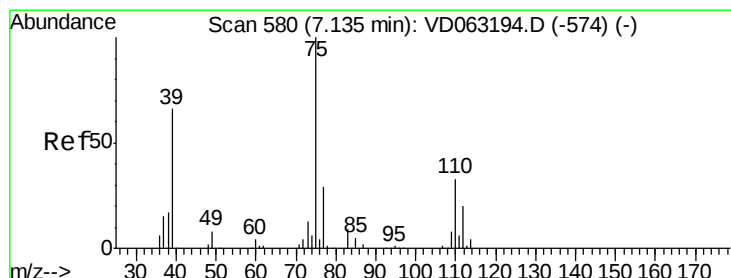
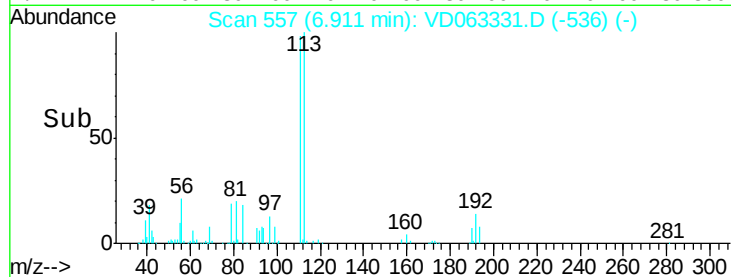
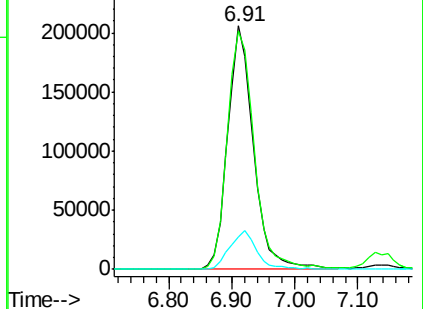
192 13.6 11.8 17.8



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: 51.798 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

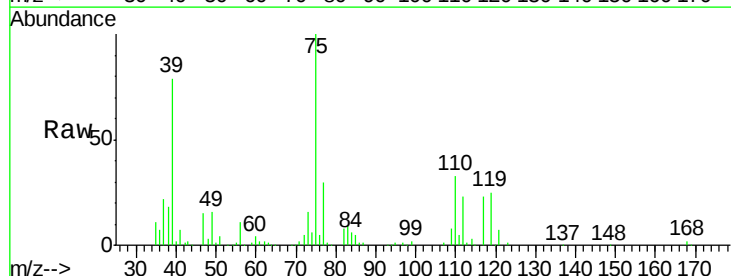
Tgt Ion: 75 Resp: 674459

Ion Ratio Lower Upper

75 100

110 33.4 16.1 48.2

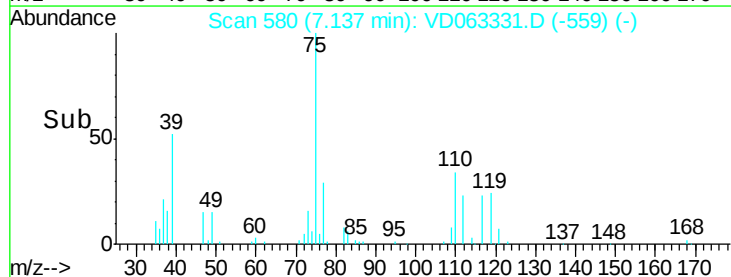
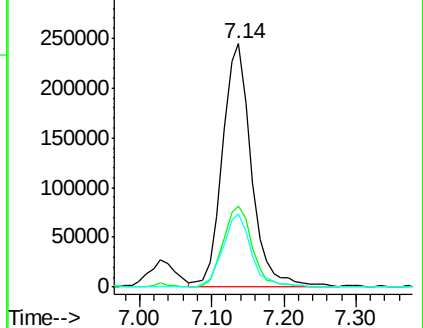
77 30.1 22.7 34.1

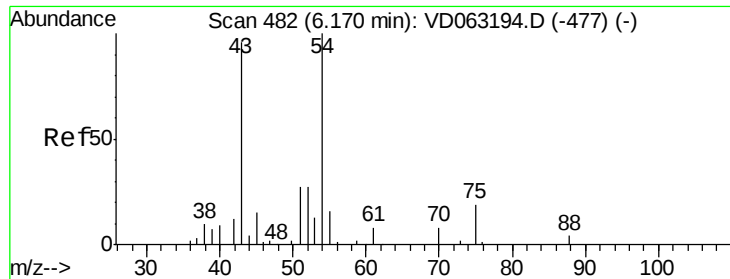


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

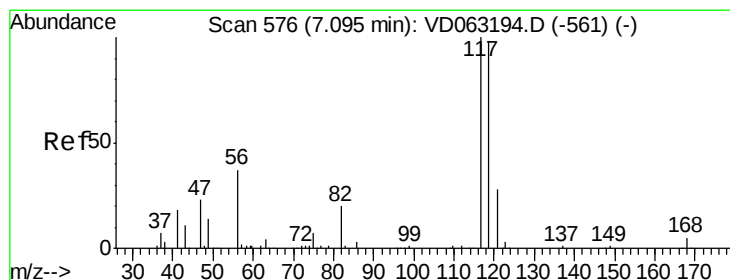
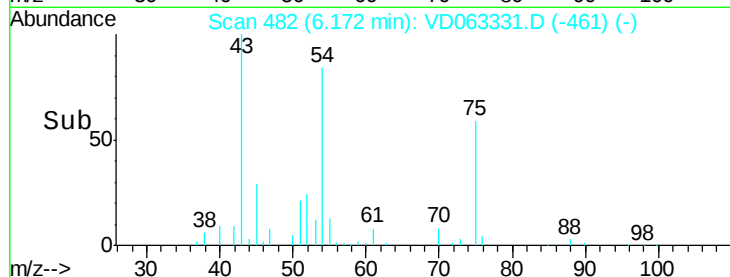
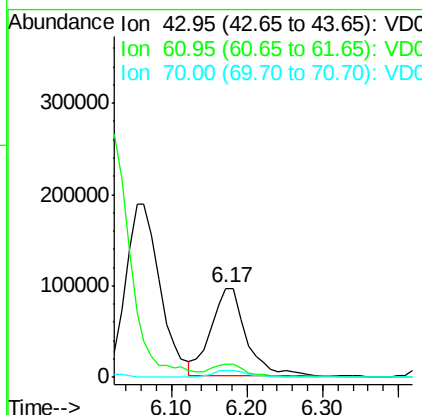
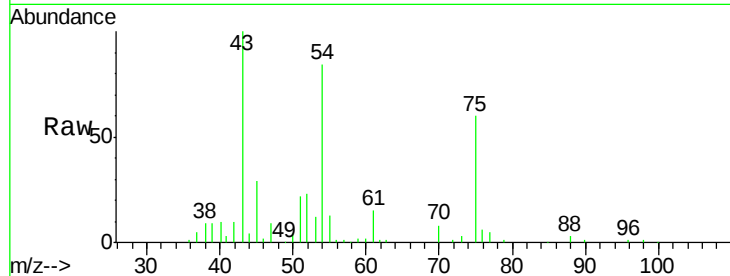




#37
Ethyl Acetate
Concen: 54.072 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

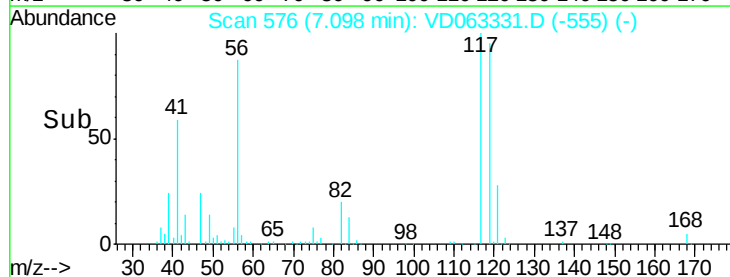
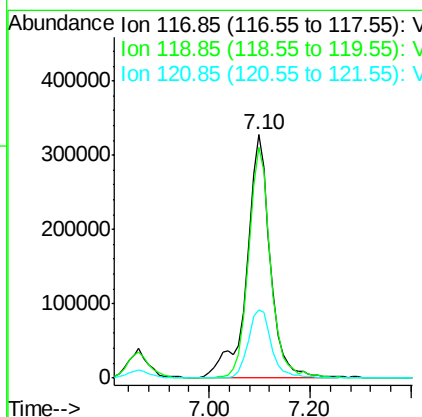
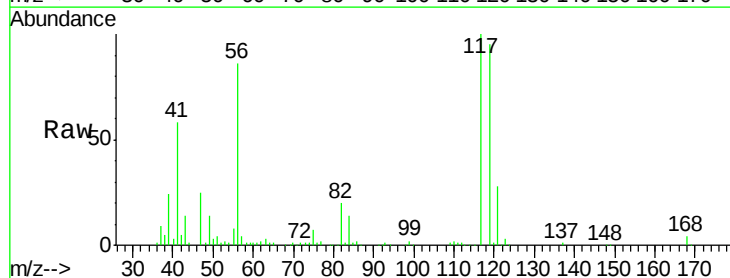
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

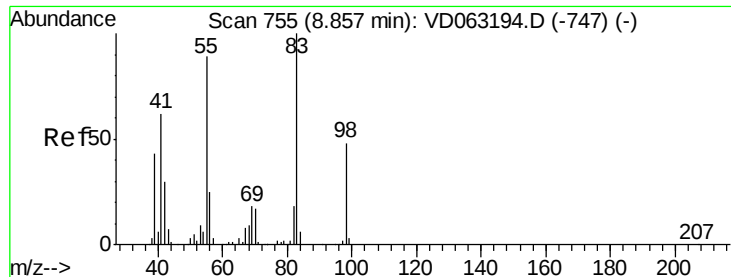
Tot Ion: 43 Resp: 316306
Ion Ratio Lower Upper
43 100
61 14.5 11.3 16.9
70 8.1 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 54.217 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Tgt Ion: 117 Resp: 1062776
Ion Ratio Lower Upper
117 100
119 94.7 78.2 117.2
121 27.9 22.1 33.1

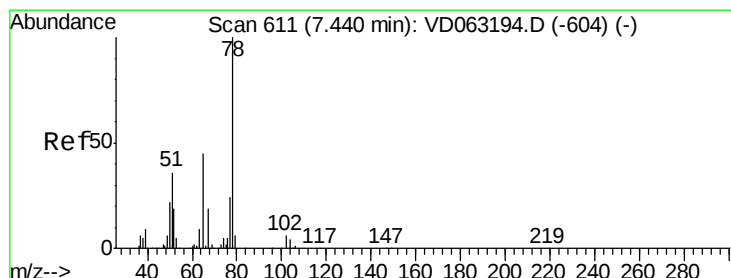
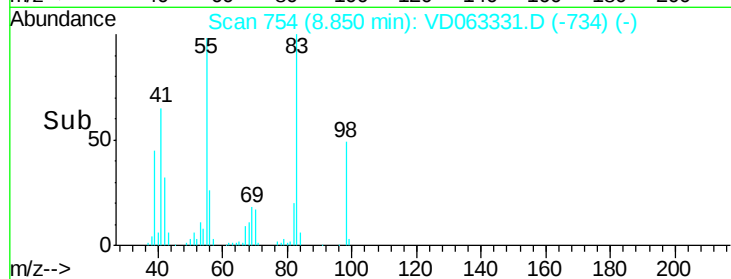
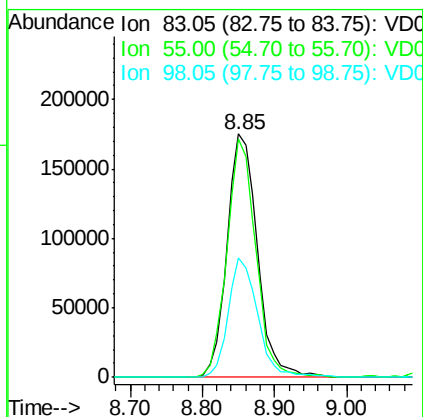
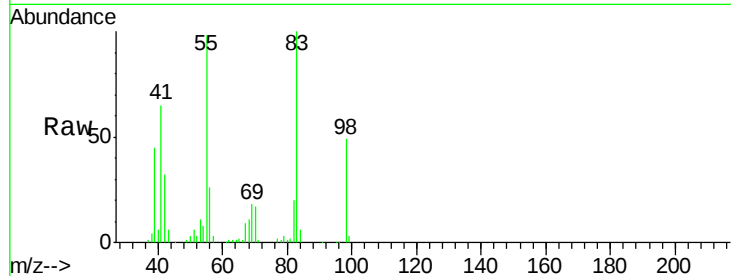




#39
Methvlcvclohexane
Concen: 47.409 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

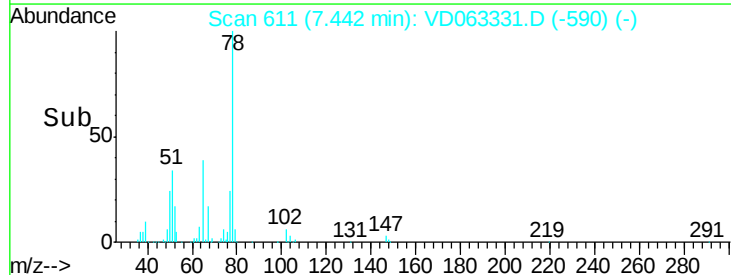
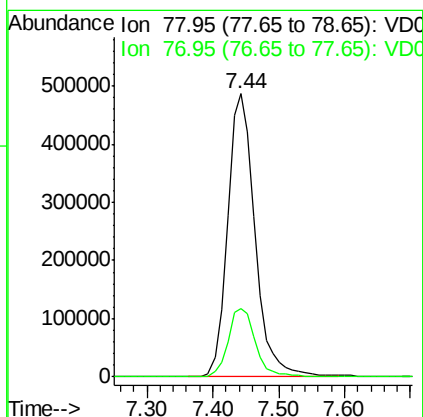
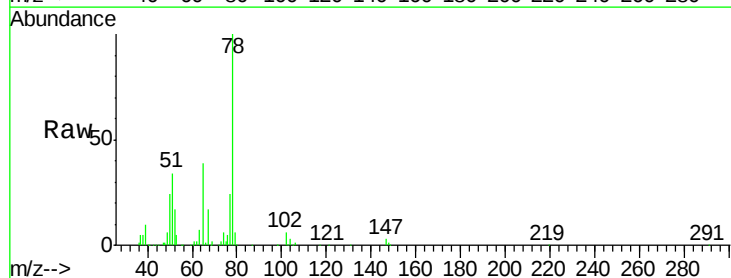
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

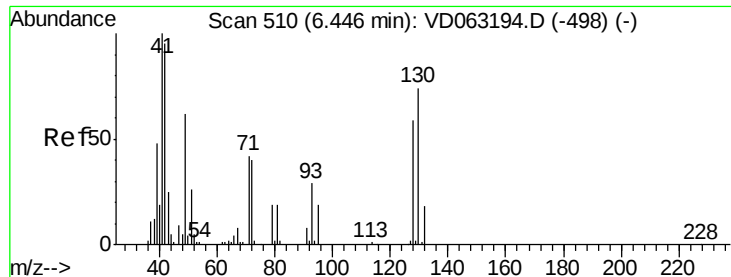
Tot Ion: 83 Resp: 514318
Ion Ratio Lower Upper
83 100
55 97.9 71.1 106.7
98 49.2 38.5 57.7



#40
Benzene
Concen: 51.946 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Tgt Ion: 78 Resp: 1417562
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.2

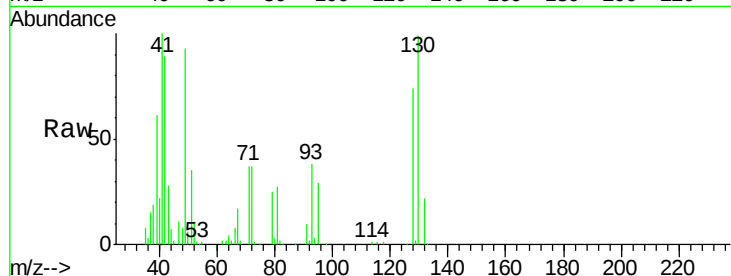




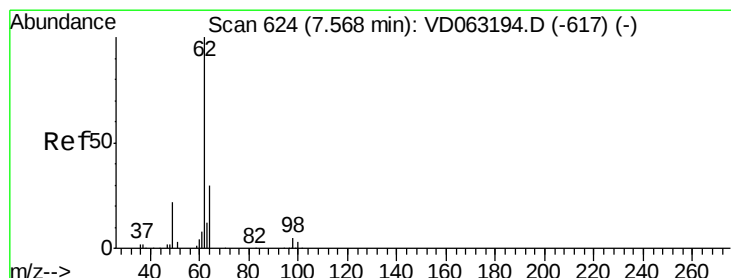
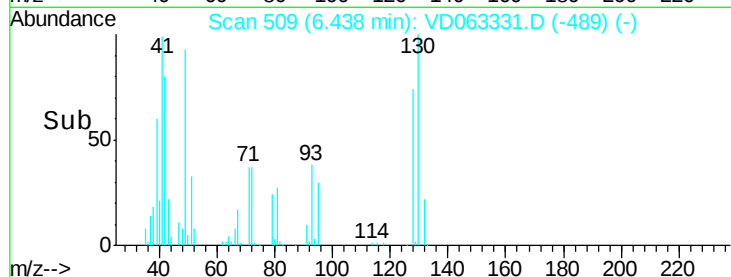
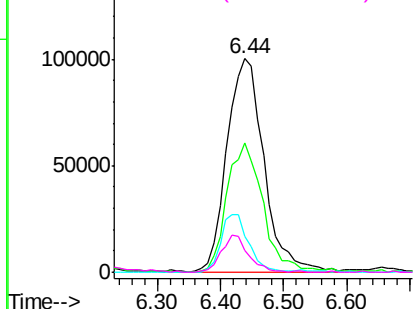
#41
Methacrylonitrile
Concen: 58.538 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	409619
Ion	Ratio	Lower	Upper
41	100		
39	60.8	38.4	57.6#
67	16.8	6.7	10.1#
52	10.0	4.3	6.5#

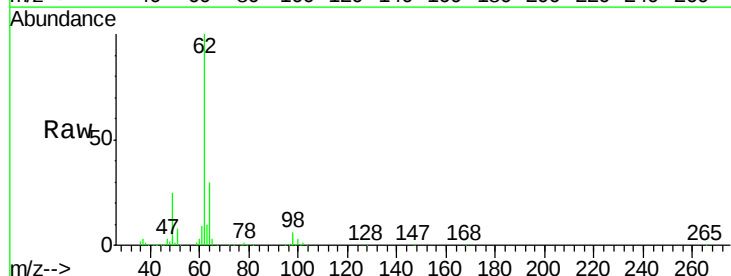


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

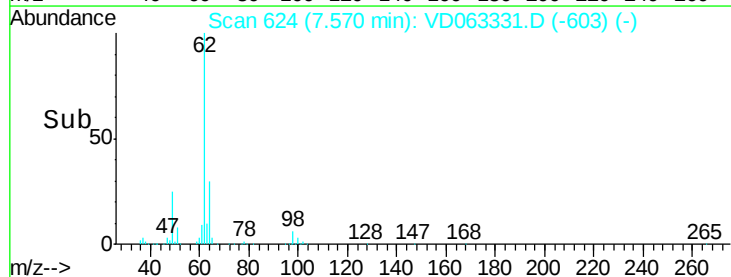
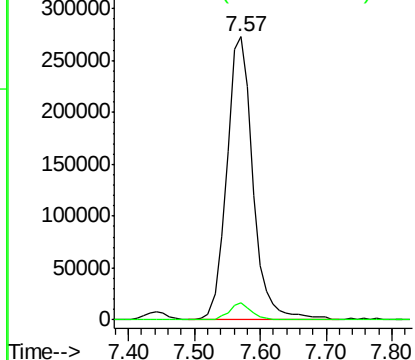


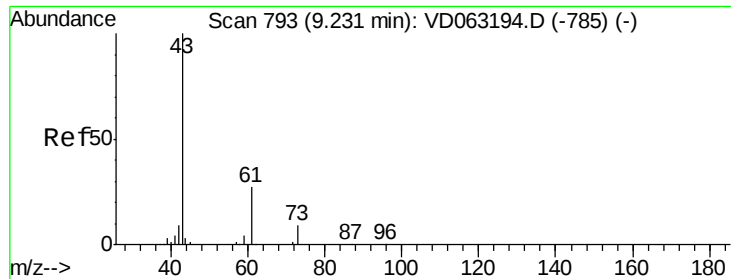
#42
1,2-Dichloroethane
Concen: 52.405 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Tgt Ion:	62	Resp:	757923
Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	9.8



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



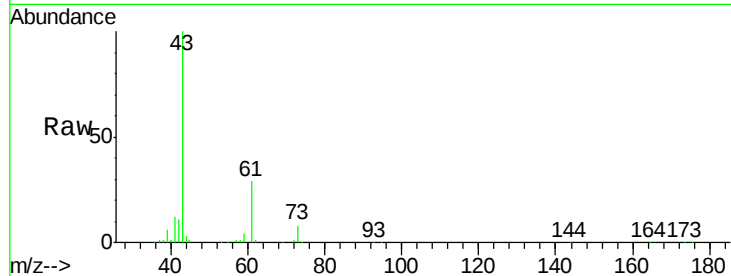


#43

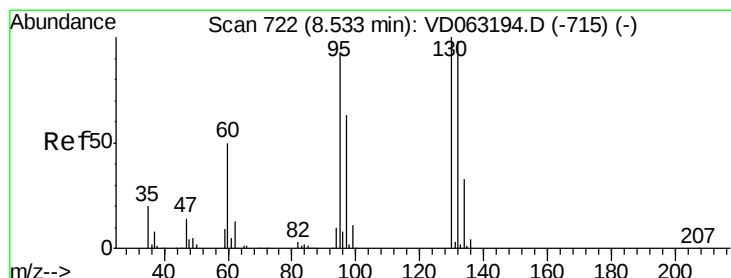
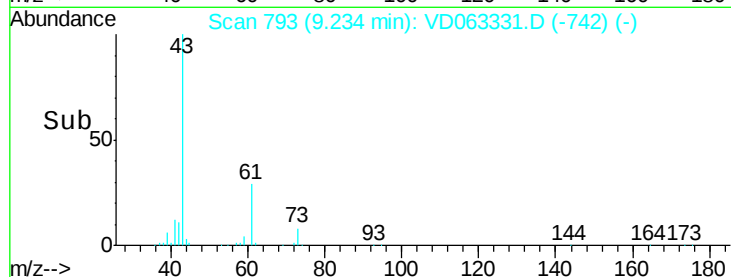
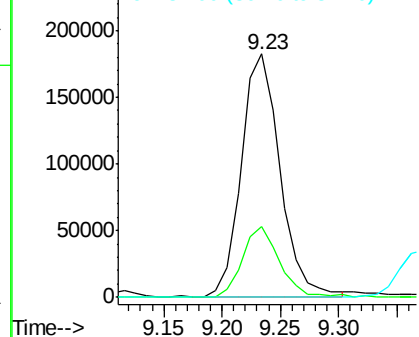
Isopropyl Acetate
 Concen: 55.951 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 418091
 Ion Ratio Lower Upper
 43 100
 61 29.2 21.4 32.0
 87 0.0 0.2 0.4#



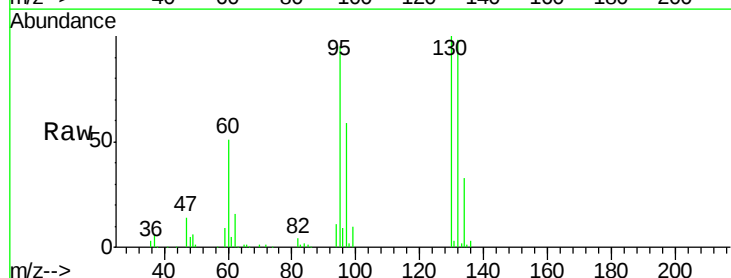
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



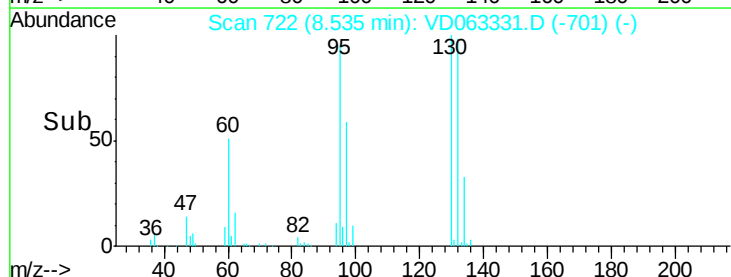
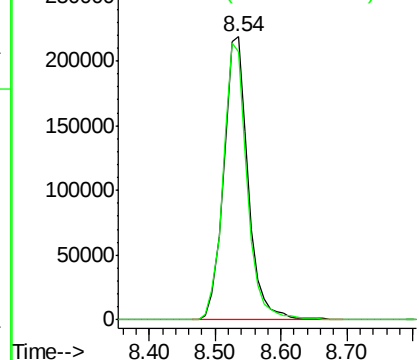
#44

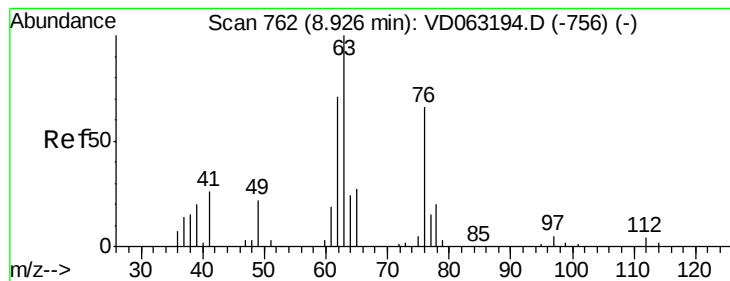
Trichloroethene
 Concen: 50.862 ug/l
 RT: 8.54 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

Tgt Ion: 130 Resp: 562433
 Ion Ratio Lower Upper
 130 100
 95 94.6 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 51.160 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

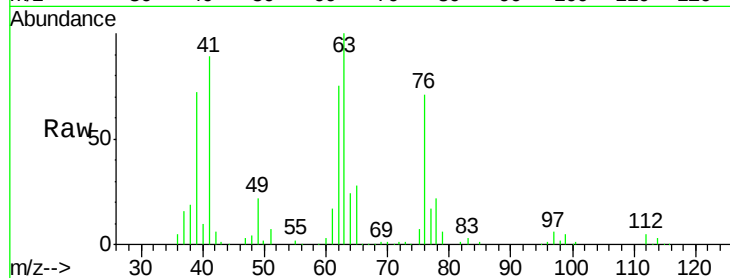
VSTDCCC050

Tot Ion: 63 Resp: 354860

Ion Ratio Lower Upper

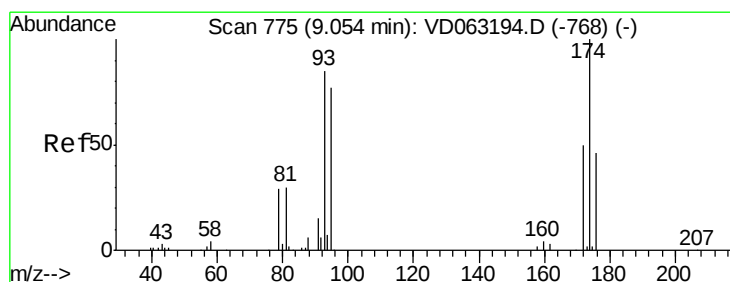
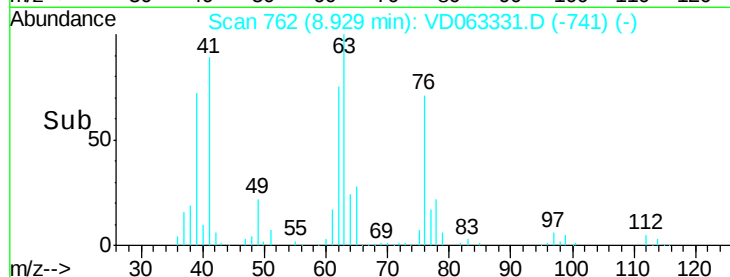
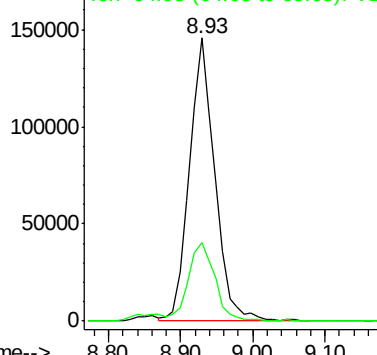
63 100

65 27.8 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.156 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

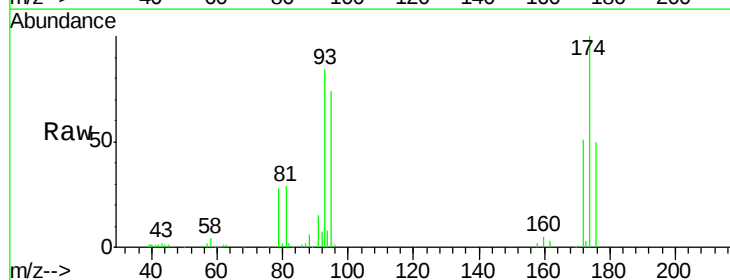
Tgt Ion: 93 Resp: 306570

Ion Ratio Lower Upper

93 100

95 87.1 72.8 109.2

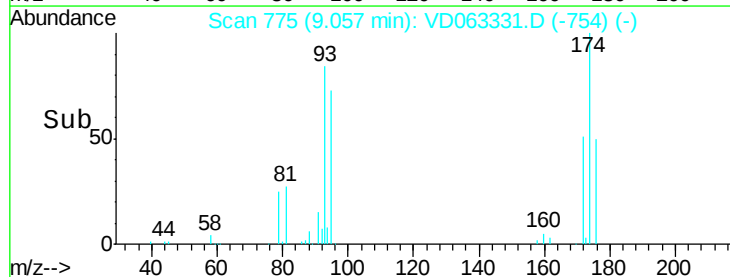
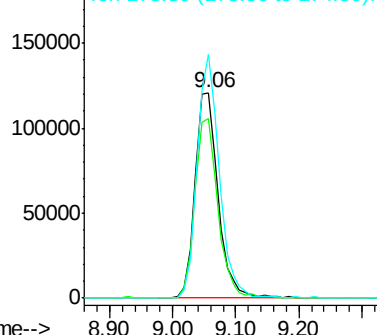
174 118.5 94.4 141.6

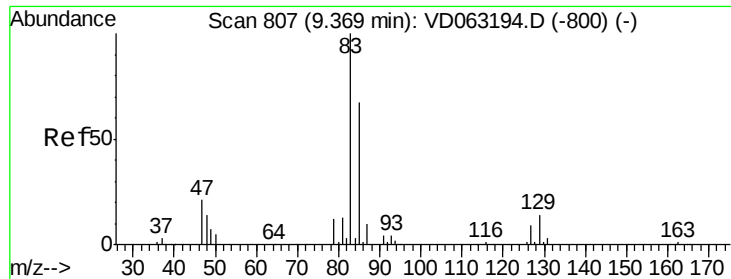


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 57.243 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

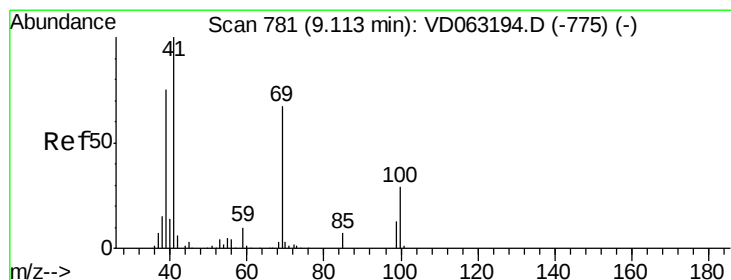
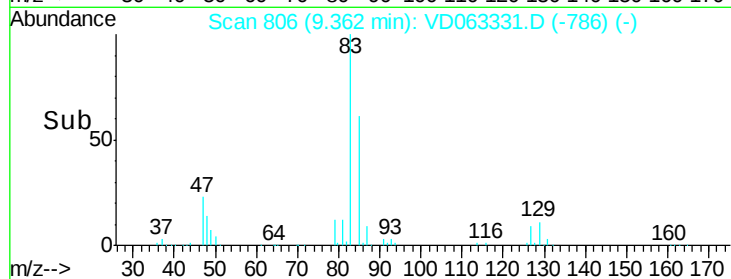
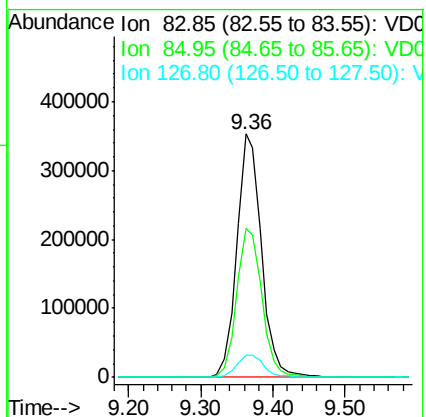
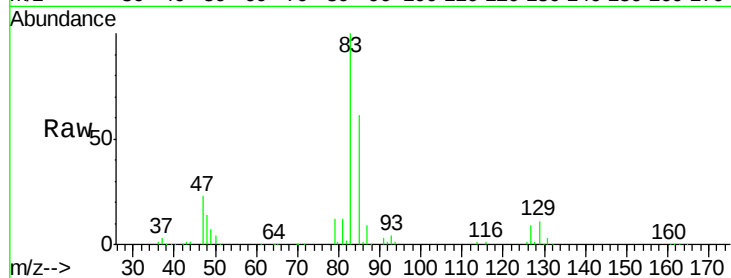
Tot Ion: 83 Resp: 841560

Ion Ratio Lower Upper

83 100

85 61.3 53.6 80.4

127 9.0 7.2 10.8



#48

Methyl methacrylate

Concen: 56.407 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

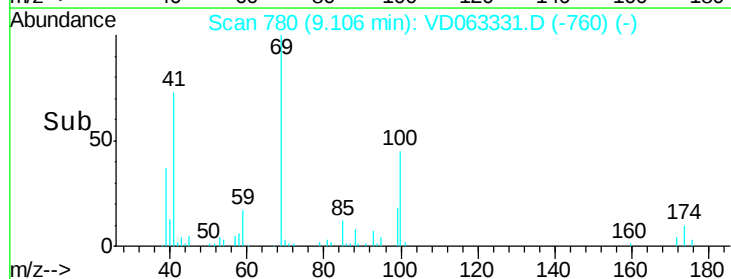
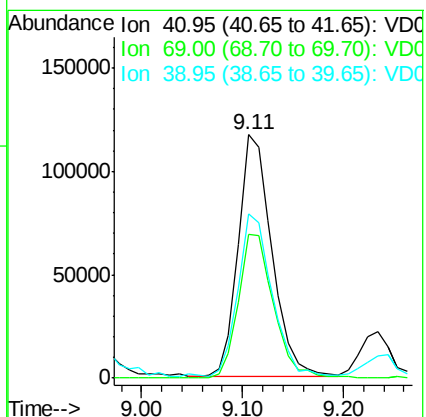
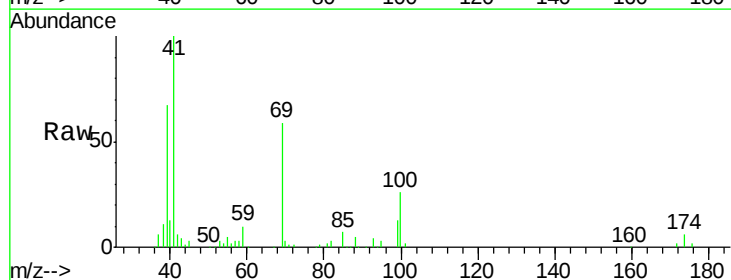
Tgt Ion: 41 Resp: 273369

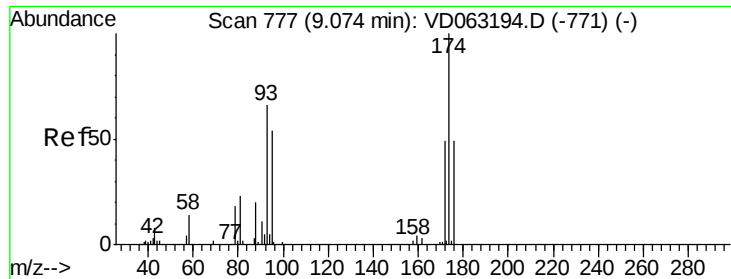
Ion Ratio Lower Upper

41 100

69 58.9 53.4 80.0

39 67.3 60.3 90.5





#49

1,4-Dioxane

Concen: 1065.603 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

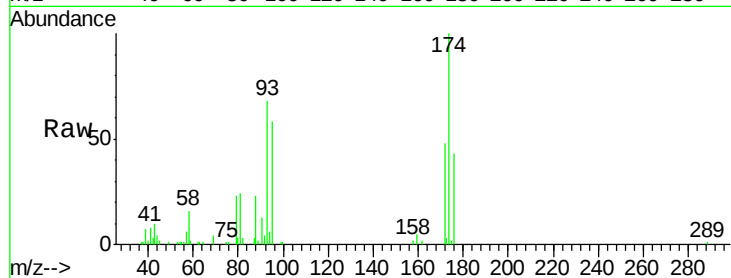
Tot Ion: 88 Resp: 43736

Ion Ratio Lower Upper

88 100

43 41.1 30.7 46.1

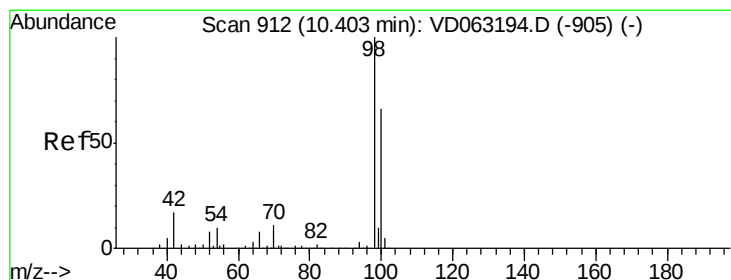
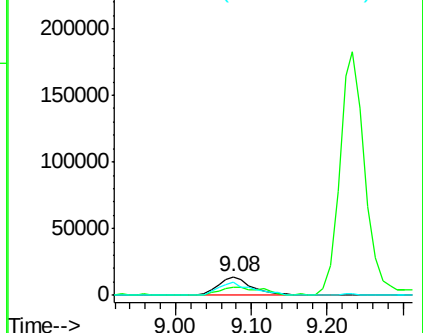
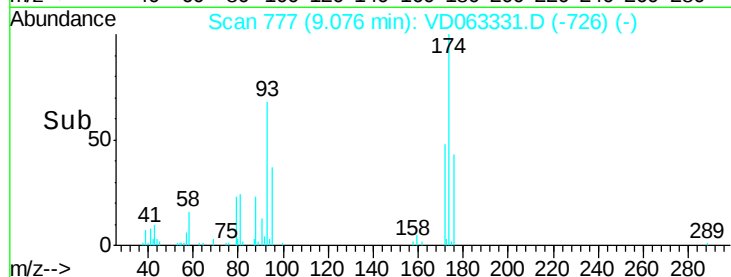
58 68.7 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 46.764 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063331.D

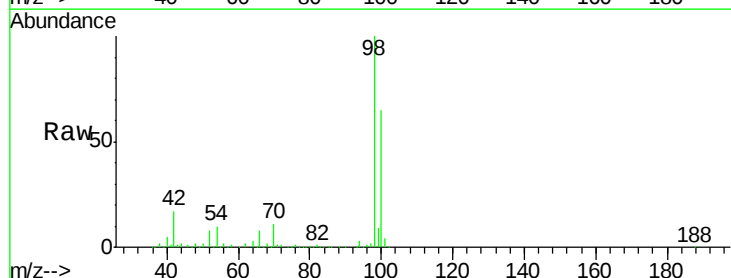
Acq: 2 Aug 2019 22:45

Tgt Ion: 98 Resp: 1274880

Ion Ratio Lower Upper

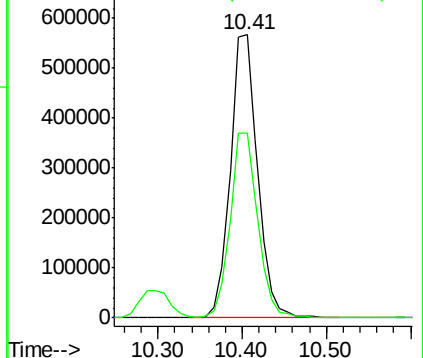
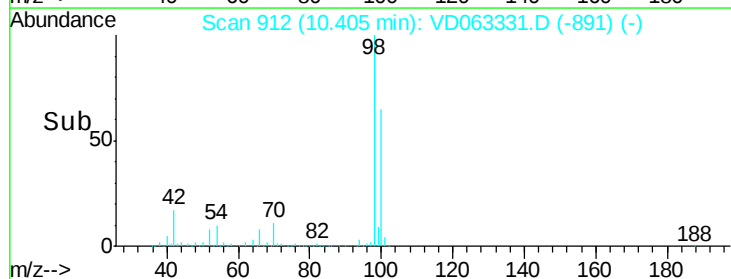
98 100

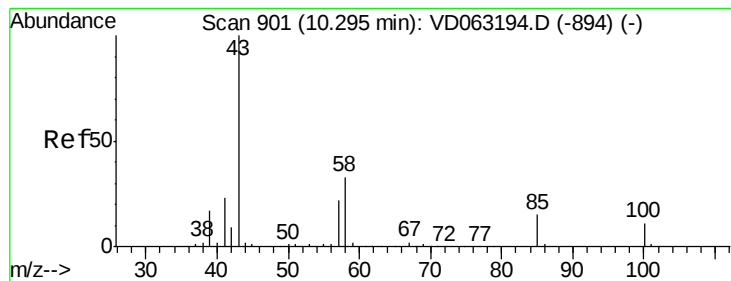
100 65.4 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 280.226 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

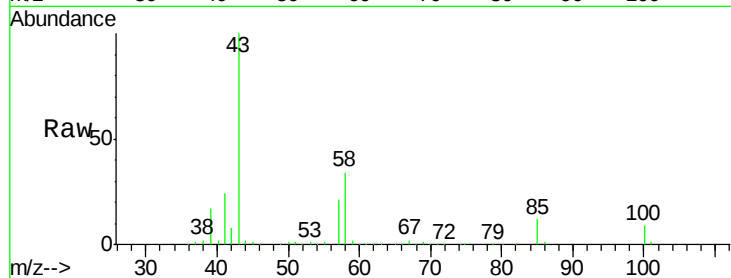
VSTDCCC050

Tot Ion: 43 Resp: 1424071

Ion Ratio Lower Upper

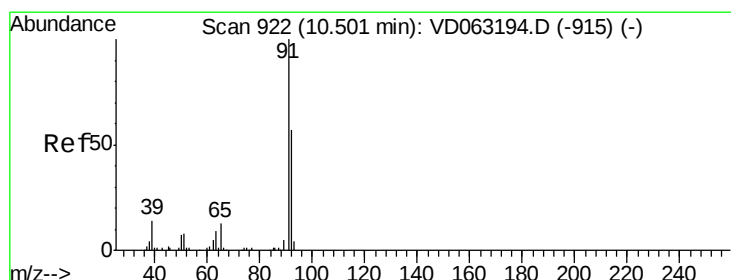
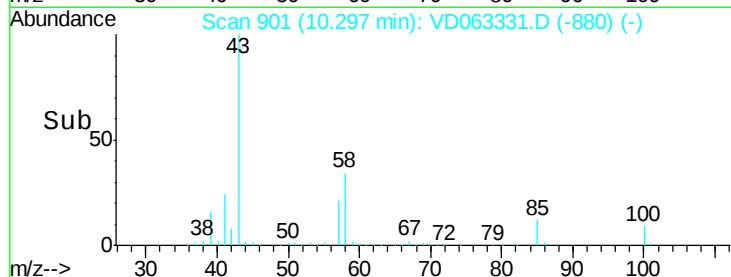
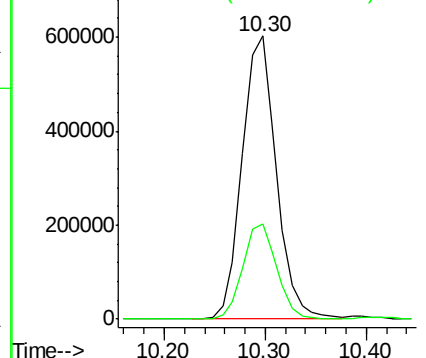
43 100

58 33.8 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.409 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063331.D

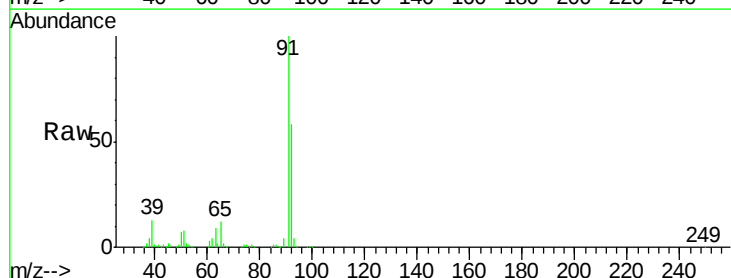
Acq: 2 Aug 2019 22:45

Tgt Ion: 92 Resp: 969374

Ion Ratio Lower Upper

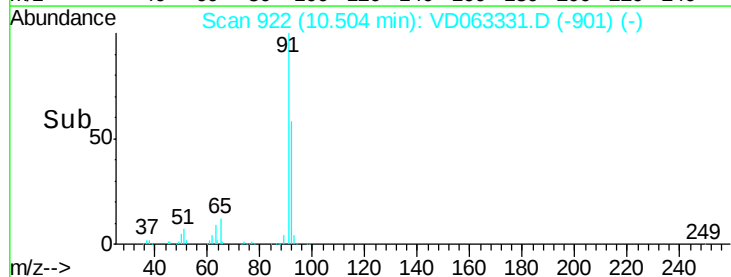
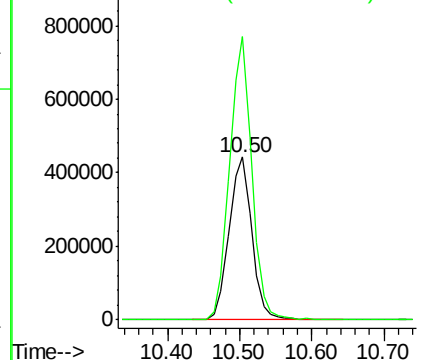
92 100

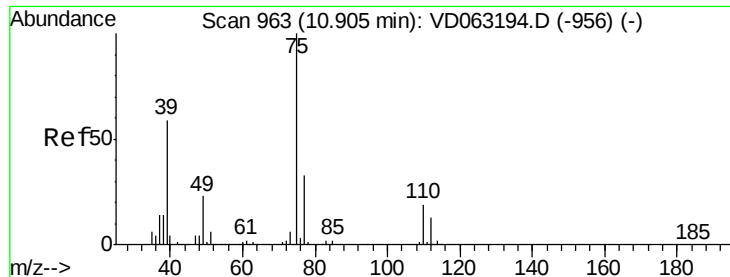
91 173.7 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 53.233 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

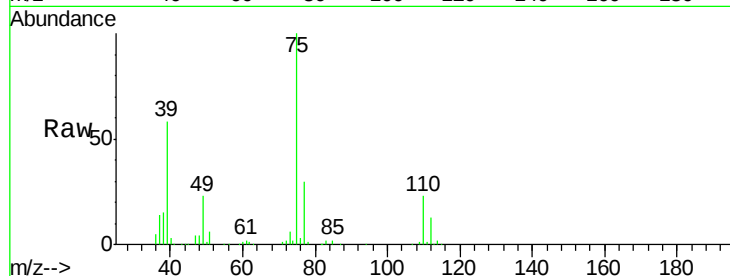
VSTDCCC050

Tot Ion: 75 Resp: 674718

Ion Ratio Lower Upper

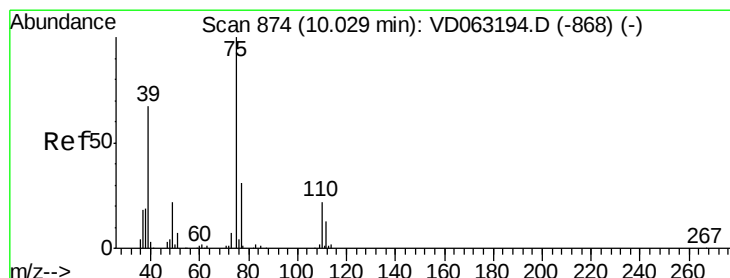
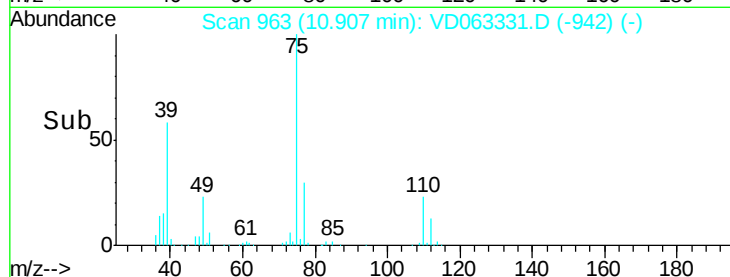
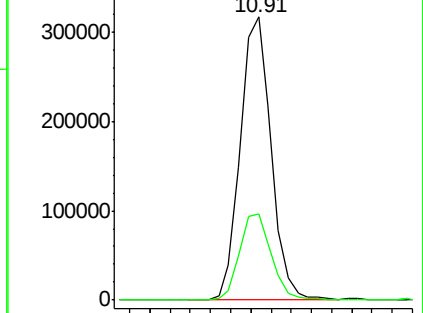
75 100

77 30.4 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 56.367 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

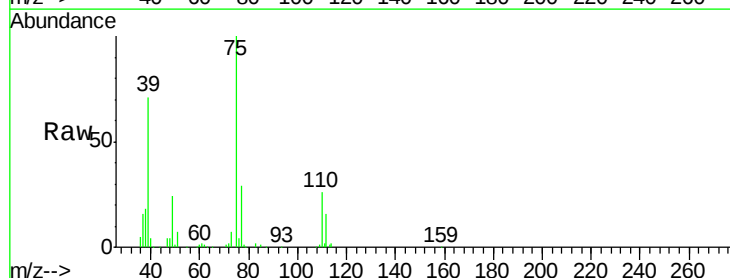
Tgt Ion: 75 Resp: 750864

Ion Ratio Lower Upper

75 100

77 29.5 24.9 37.3

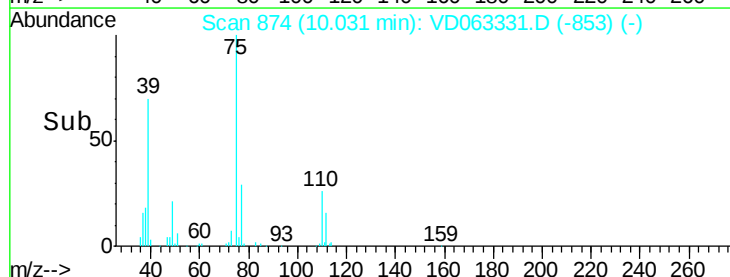
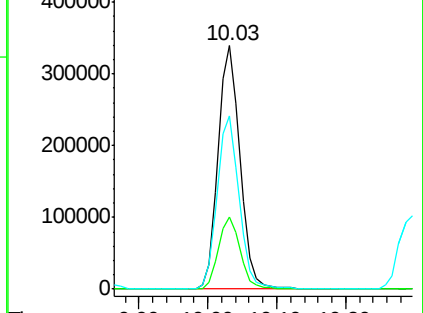
39 71.1 53.9 80.9

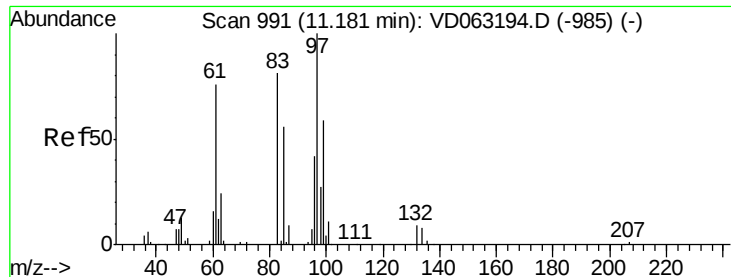


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

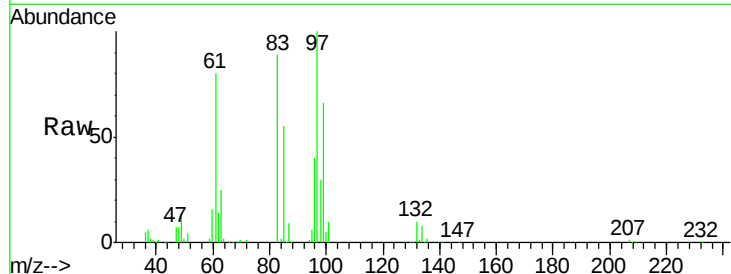




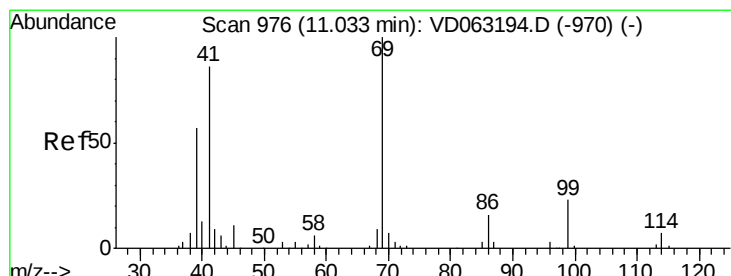
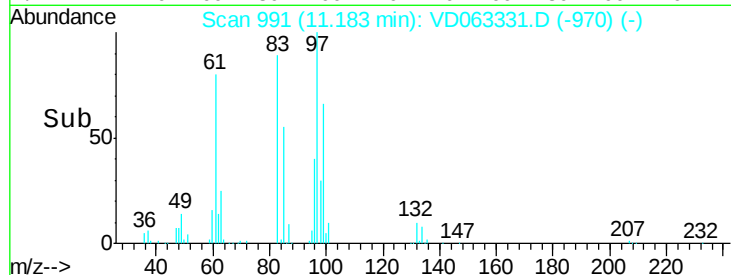
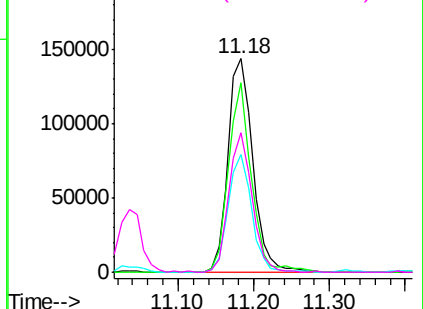
#55
 1,1,2-Trichloroethane
 Concen: 52.836 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 323879
 Ion Ratio Lower Upper
 97 100
 83 88.9 64.8 97.2
 85 55.1 44.9 67.3
 99 65.6 47.2 70.8

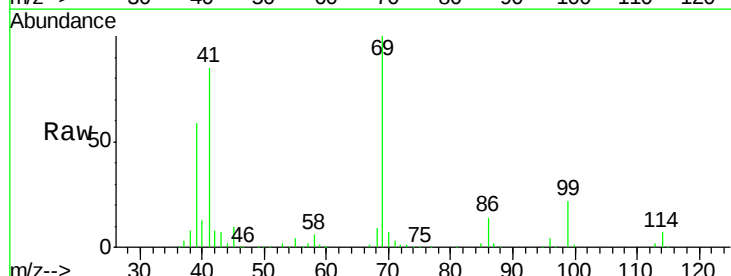


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

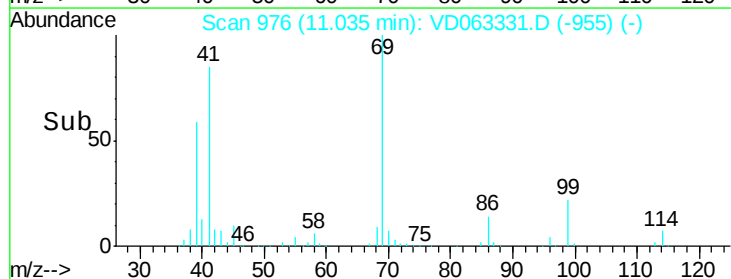
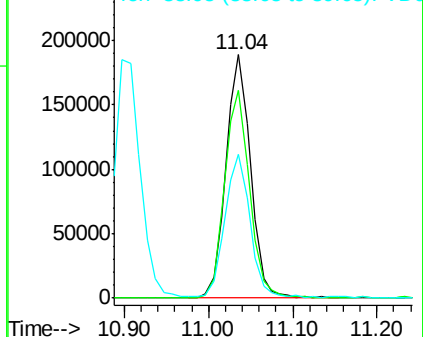


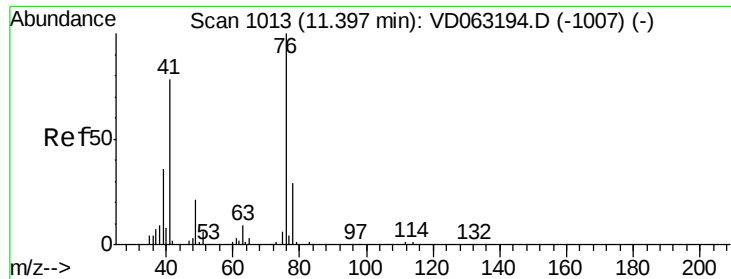
#56
 Ethyl methacrylate
 Concen: 56.962 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

Tgt Ion: 69 Resp: 382351
 Ion Ratio Lower Upper
 69 100
 41 85.1 68.8 103.2
 39 58.9 45.8 68.8



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





#57

1,3-Dichloropropane

Concen: 52.945 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

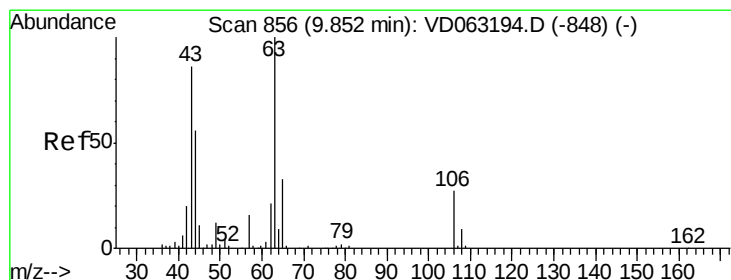
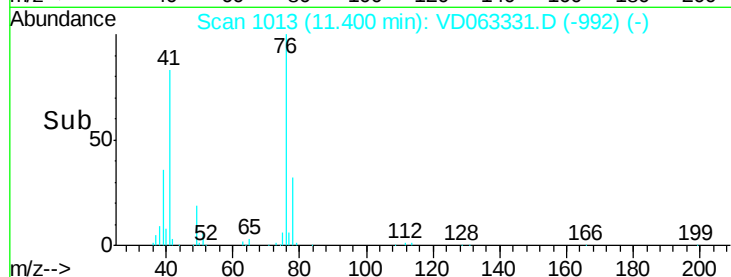
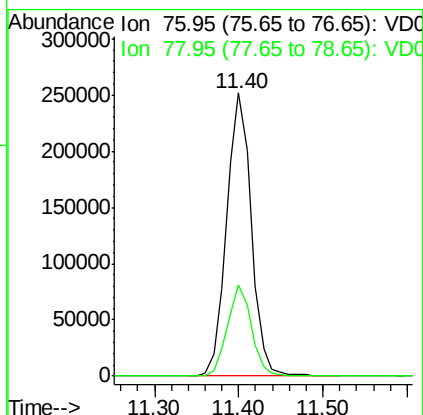
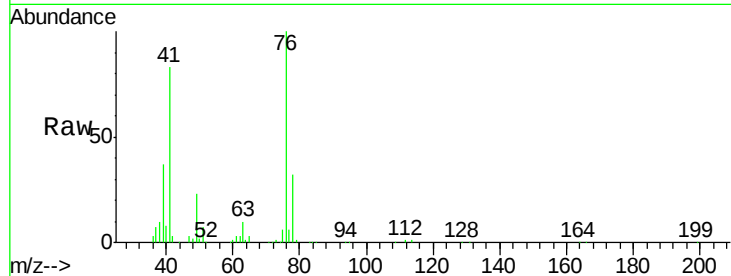
VSTDCCC050

Tot Ion: 76 Resp: 511349

Ion Ratio Lower Upper

76 100

78 32.2 23.4 35.0



#58

2-Chloroethyl Vinyl ether

Concen: 277.841 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD063331.D

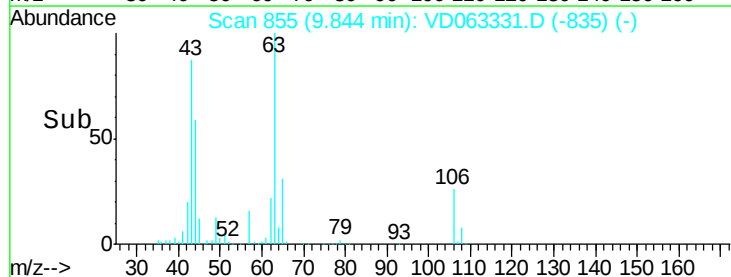
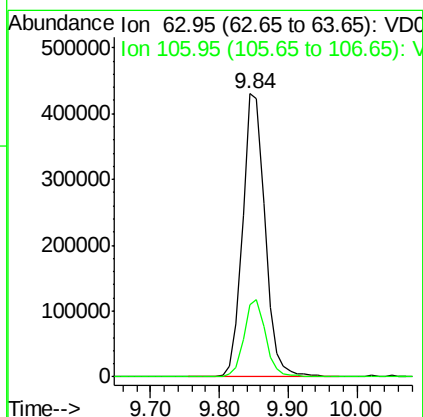
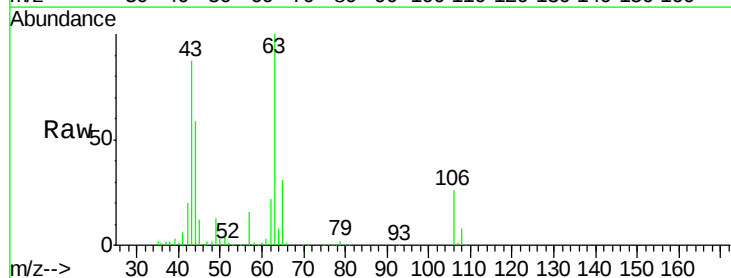
Acq: 2 Aug 2019 22:45

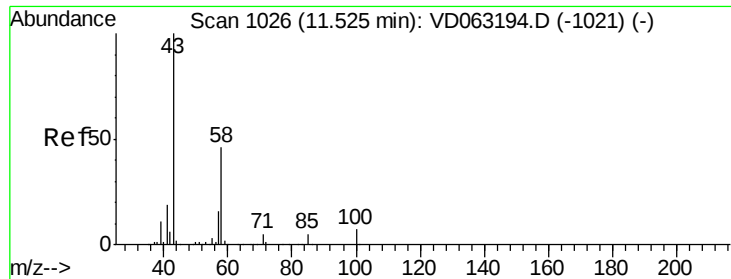
Tgt Ion: 63 Resp: 970427

Ion Ratio Lower Upper

63 100

106 25.5 22.0 33.0

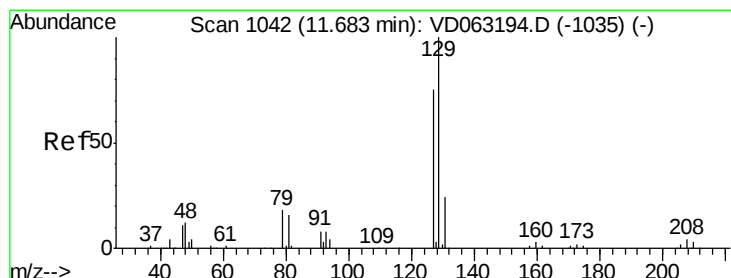
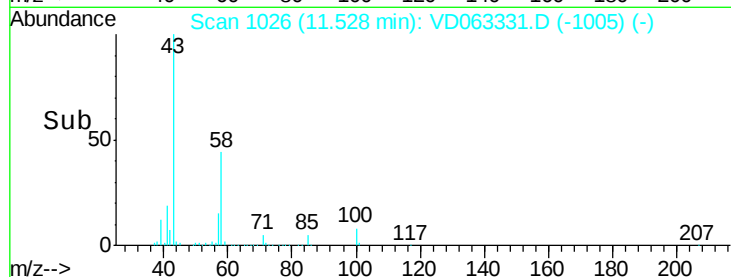
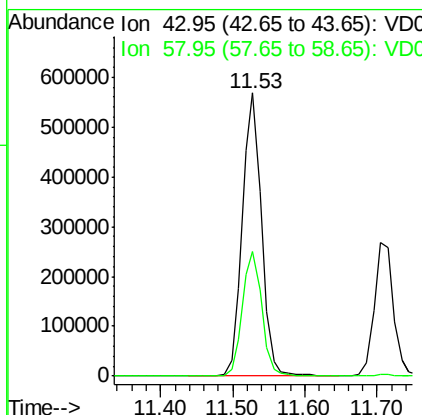
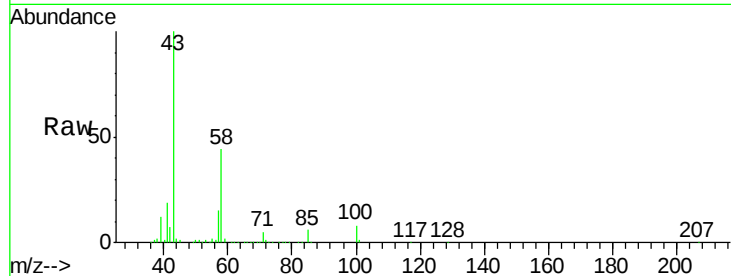




#59
2-Hexanone
Concen: 289.395 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

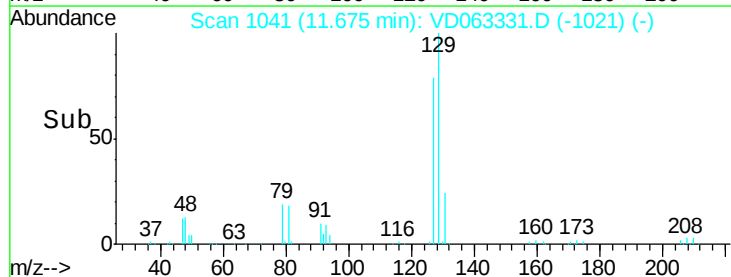
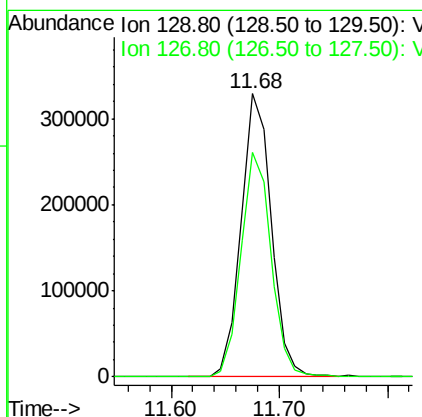
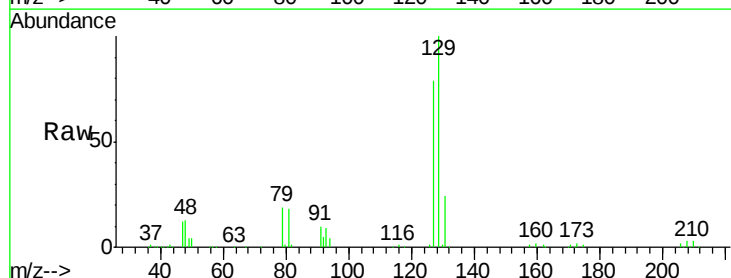
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1059826
Ion Ratio Lower Upper
43 100
58 44.1 22.9 68.5



#60
Dibromochloromethane
Concen: 55.258 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Tgt Ion: 129 Resp: 639455
Ion Ratio Lower Upper
129 100
127 79.1 37.6 112.8

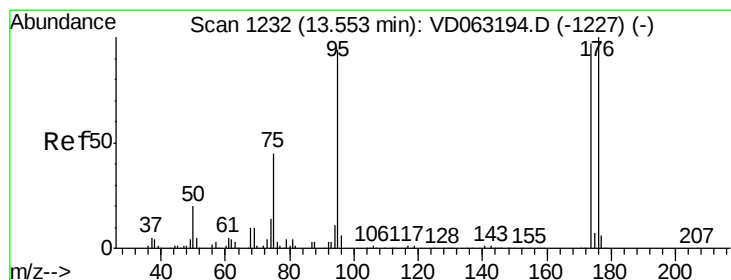
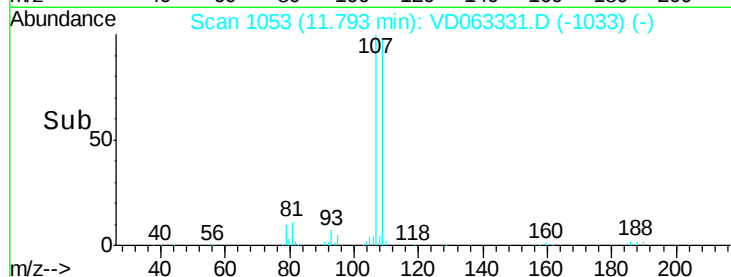
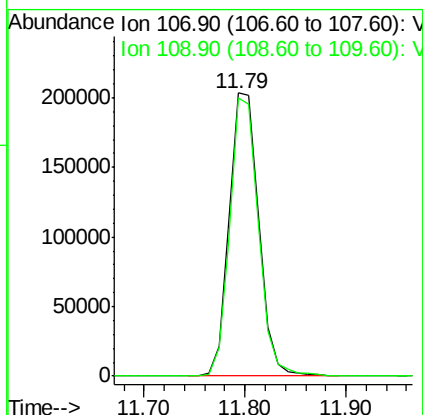
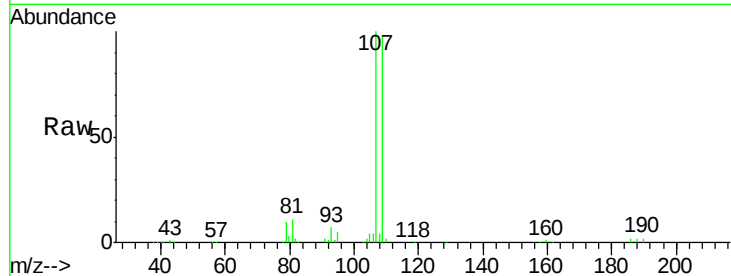




#61
 1,2-Dibromoethane
 Concen: 54.435 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

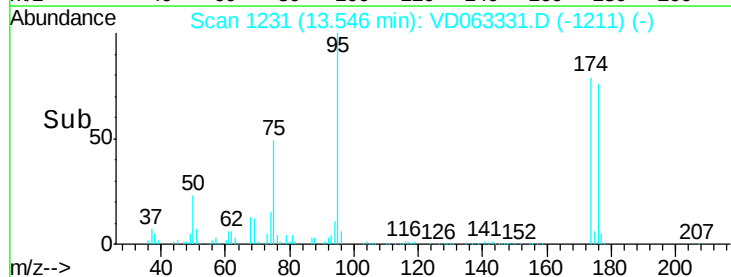
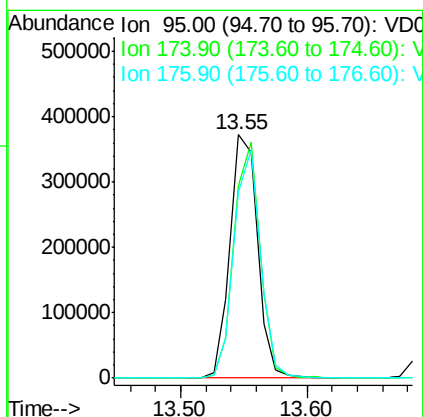
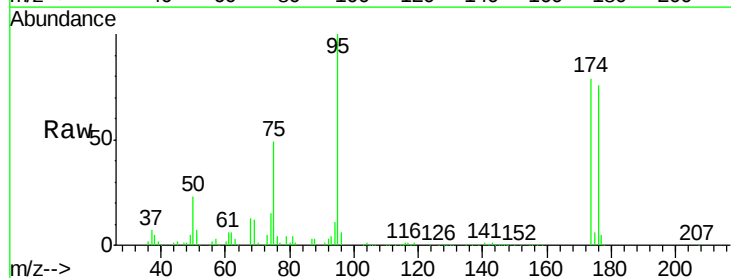
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

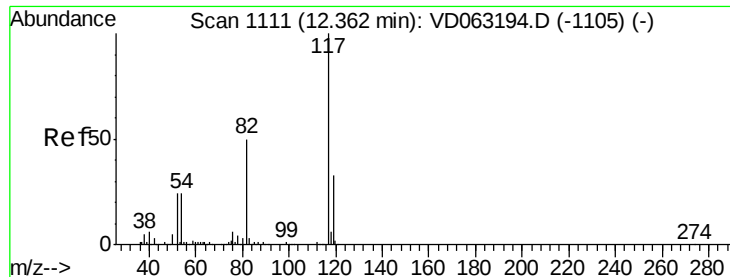
Tot Ion:107 Resp: 411740
 Ion Ratio Lower Upper
 107 100
 109 98.4 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 45.139 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

Tgt Ion: 95 Resp: 560763
 Ion Ratio Lower Upper
 95 100
 174 79.0 0.0 205.4
 176 76.2 0.0 211.8

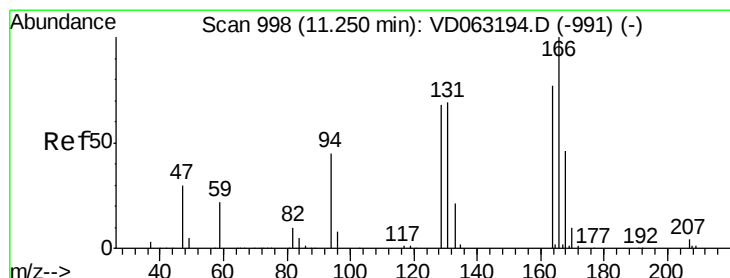
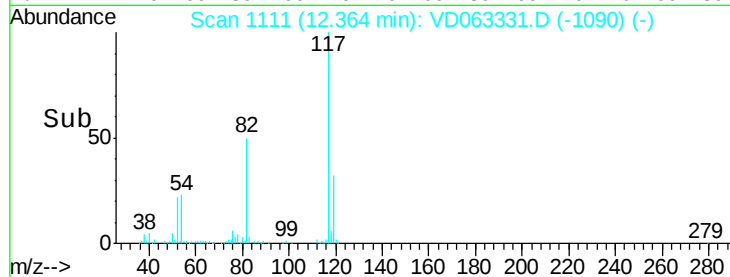
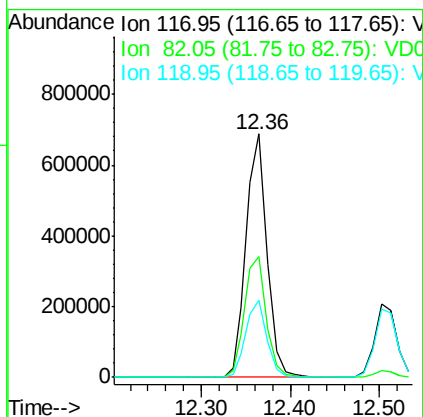
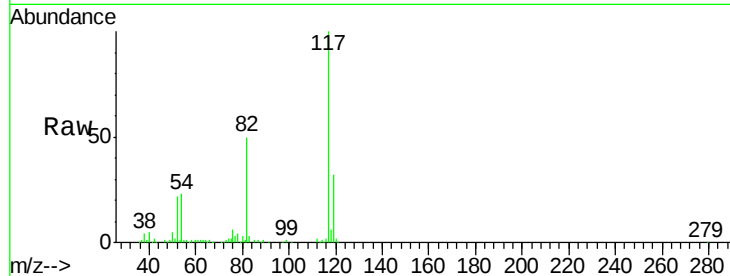




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

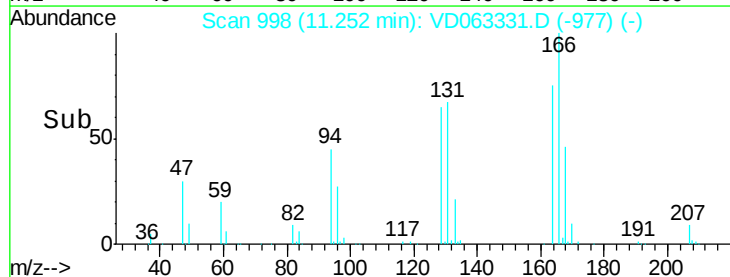
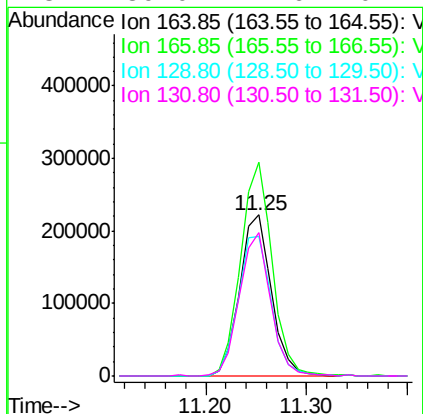
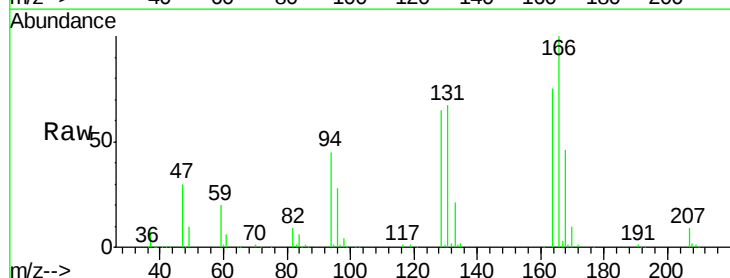
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

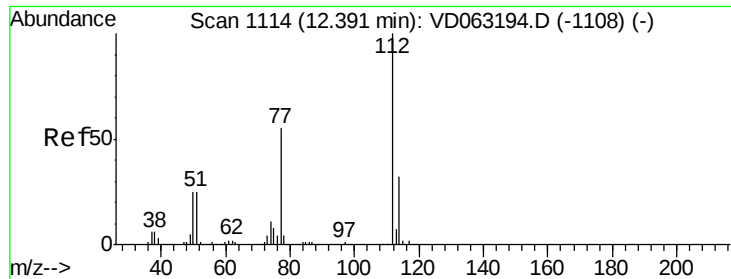
Tot Ion:117 Resp: 1119736
Ion Ratio Lower Upper
117 100
82 49.7 40.1 60.1
119 31.5 26.5 39.7



#64
Tetrachloroethene
Concen: 54.738 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Tgt Ion:164 Resp: 488290
Ion Ratio Lower Upper
164 100
166 132.7 104.3 156.5
129 86.5 70.9 106.3
131 89.0 71.6 107.4





#65

Chlorobenzene

Concen: 51.806 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

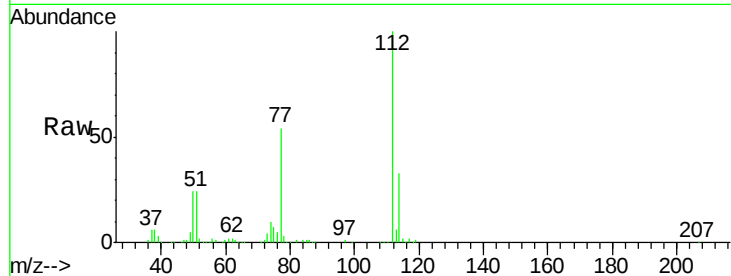
VSTDCCC050

Tot Ion:112 Resp: 1115783

Ion Ratio Lower Upper

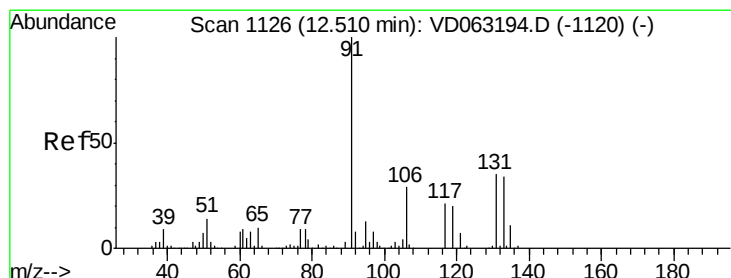
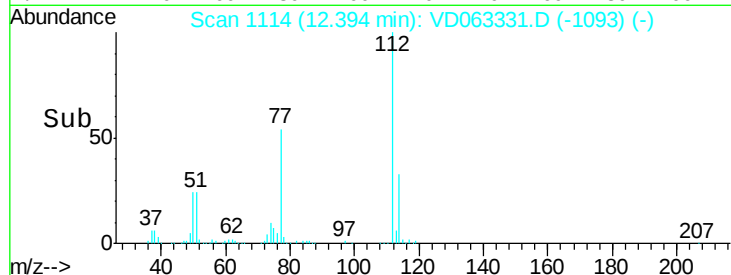
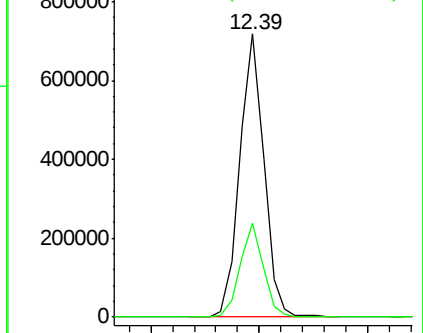
112 100

114 33.4 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 58.620 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

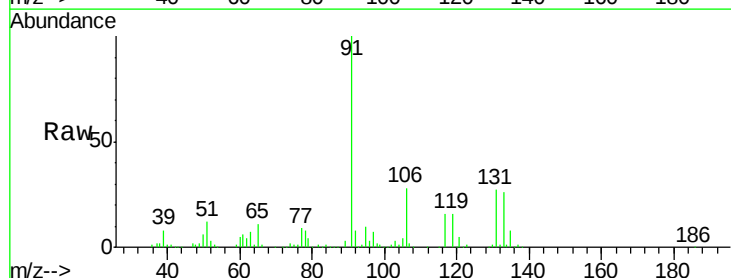
Tgt Ion:131 Resp: 556133

Ion Ratio Lower Upper

131 100

133 93.5 48.4 145.2

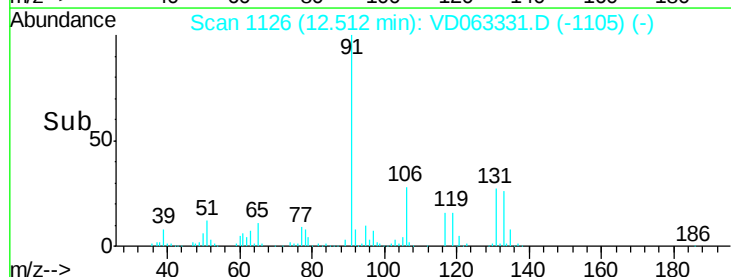
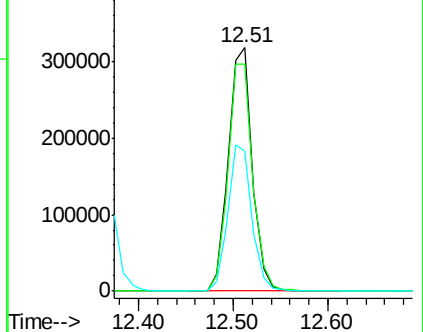
119 57.5 29.1 87.3

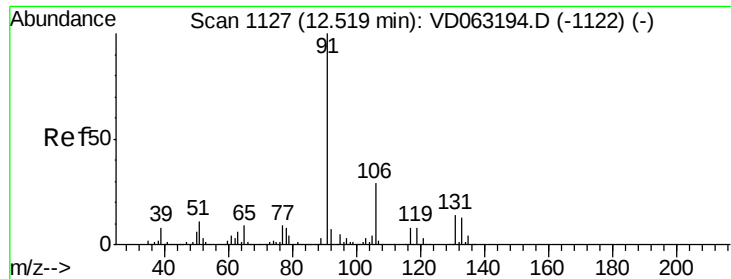


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

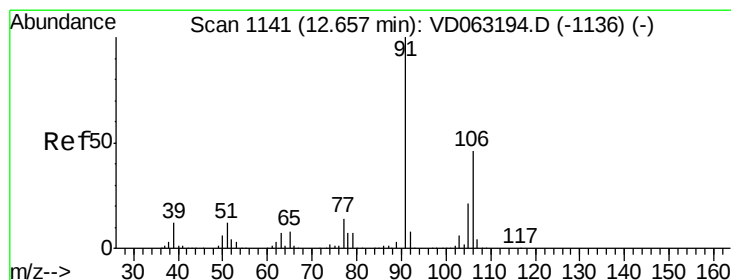
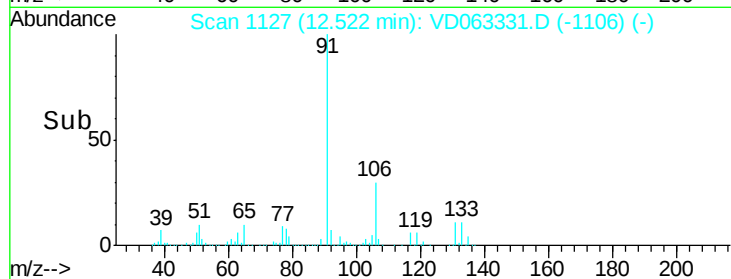
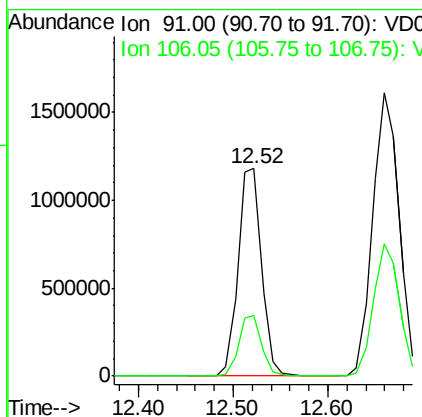
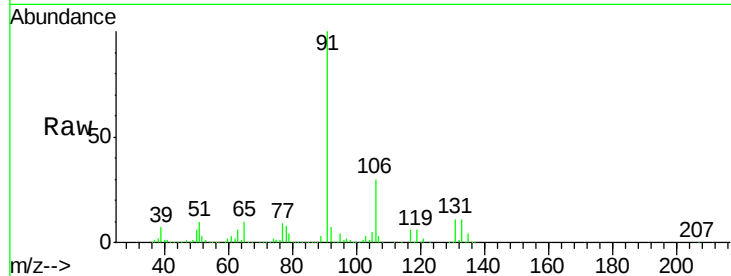




#67
Ethyl Benzene
Concen: 55.388 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

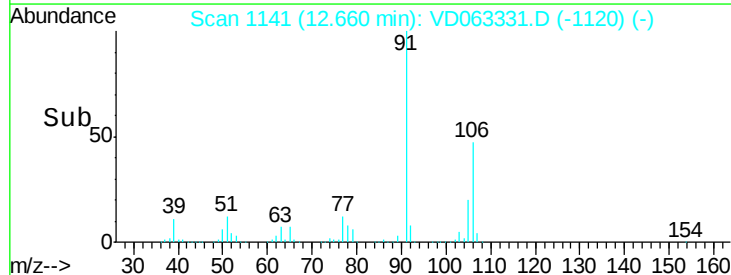
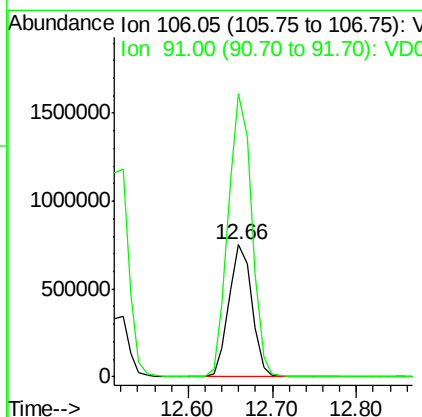
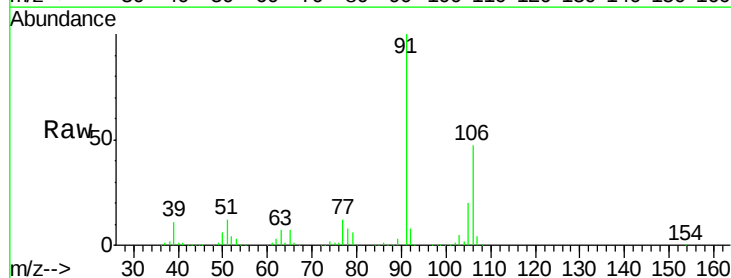
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

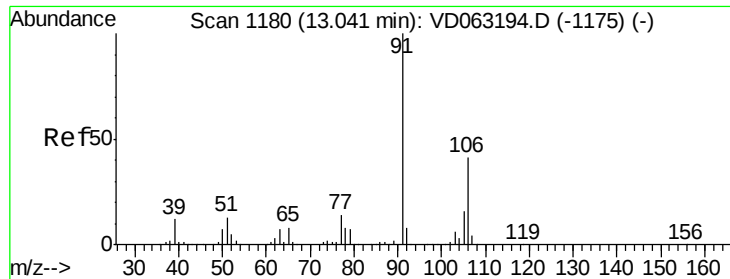
Tot Ion: 91 Resp: 2026501
Ion Ratio Lower Upper
91 100
106 29.5 22.9 34.3



#68
m/p-Xylenes
Concen: 107.243 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Tgt Ion: 106 Resp: 1438961
Ion Ratio Lower Upper
106 100
91 214.4 172.6 259.0

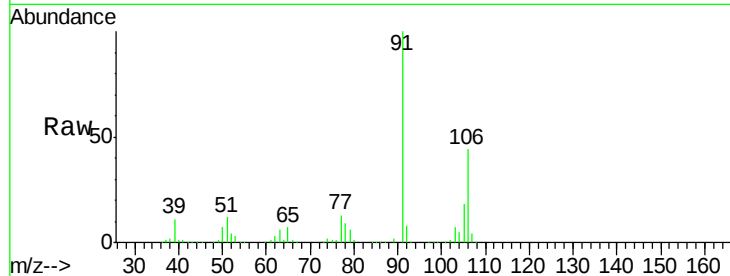




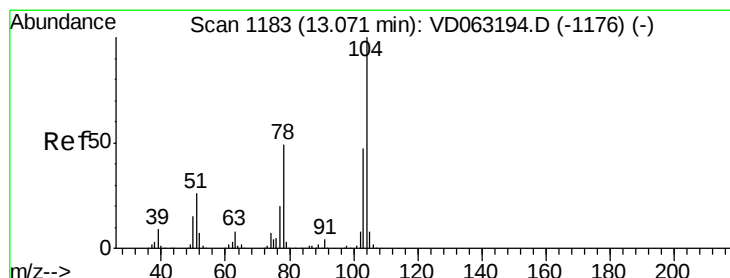
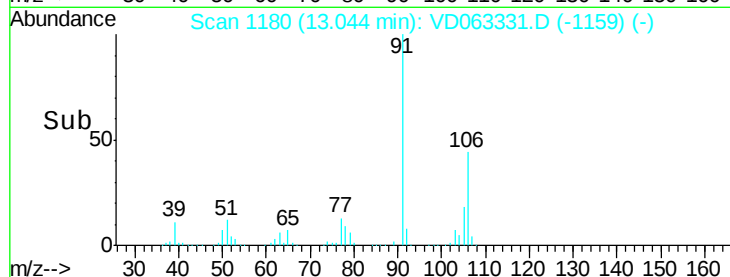
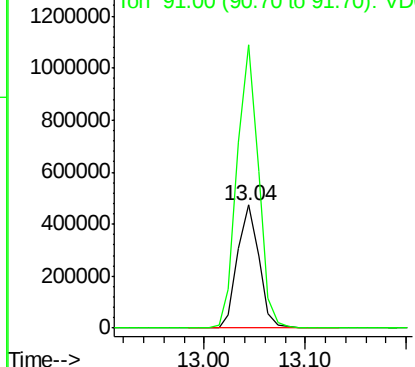
#69
o-Xylene
Concen: 57.149 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 704169
Ion Ratio Lower Upper
106 100
91 229.5 121.3 363.9

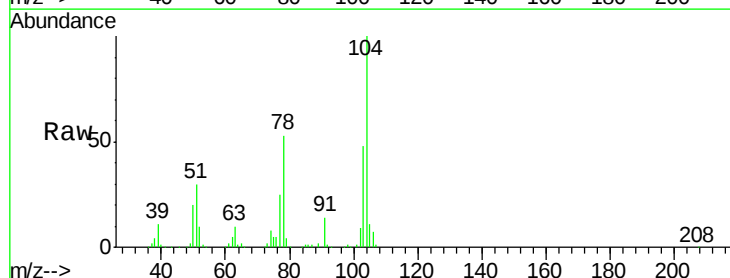


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

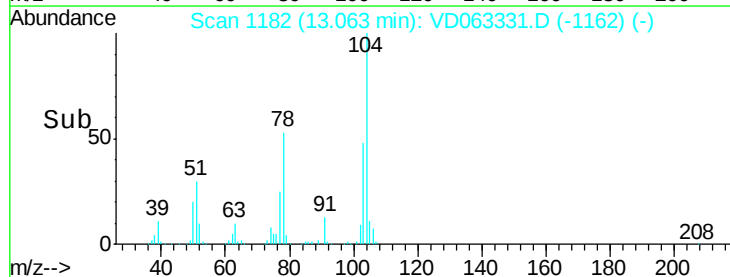
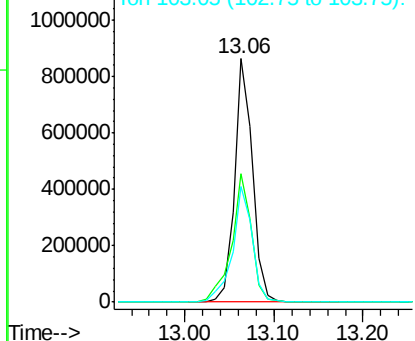


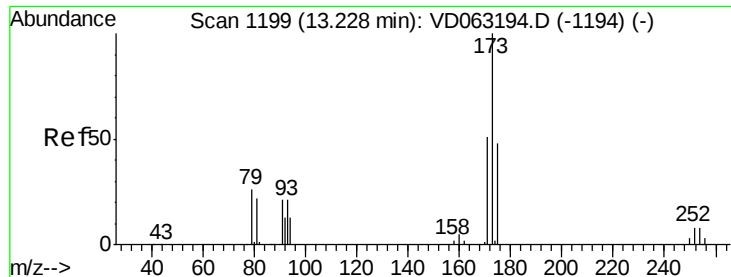
#70
Styrene
Concen: 55.971 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Tgt Ion:104 Resp: 1223049
Ion Ratio Lower Upper
104 100
78 52.5 39.4 59.0
103 47.6 37.4 56.2



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

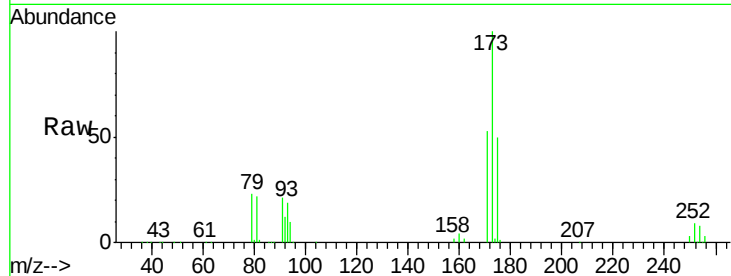




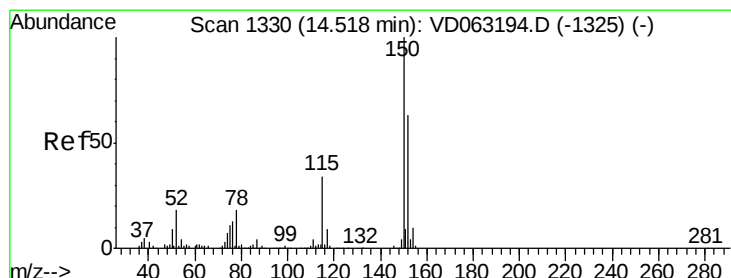
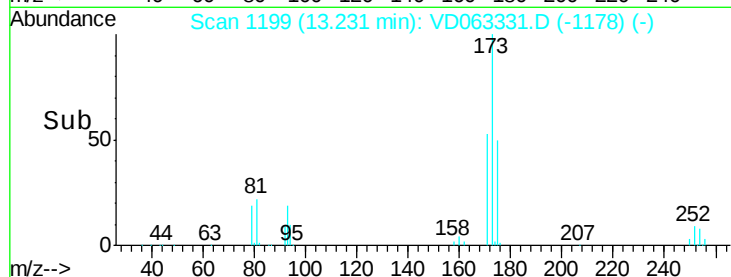
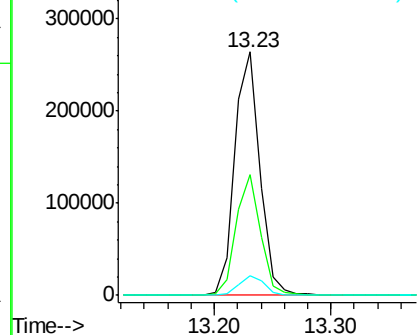
#71
Bromoform
Concen: 57.206 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 394673
Ion Ratio Lower Upper
173 100
175 49.7 23.8 71.5
254 8.3 6.6 10.0

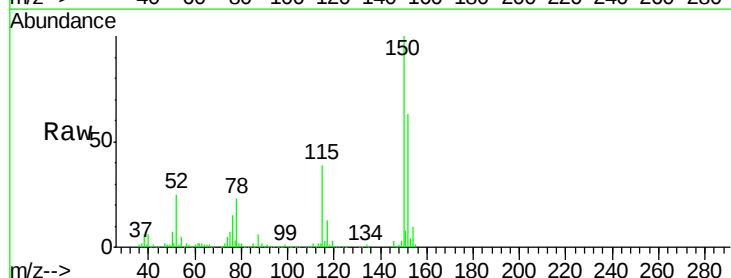


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

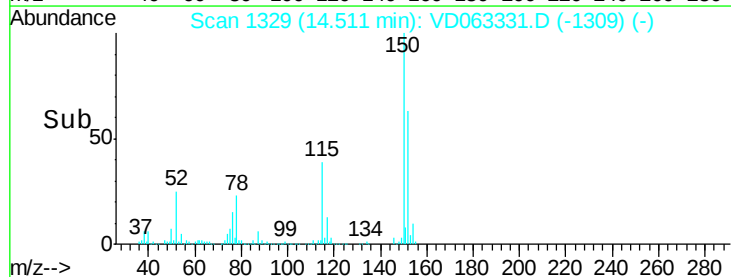
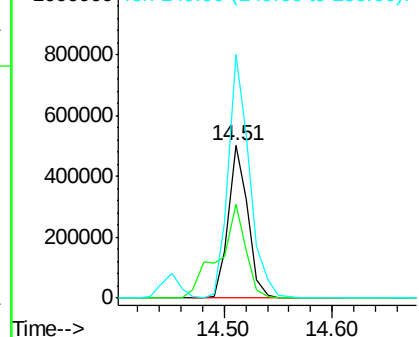


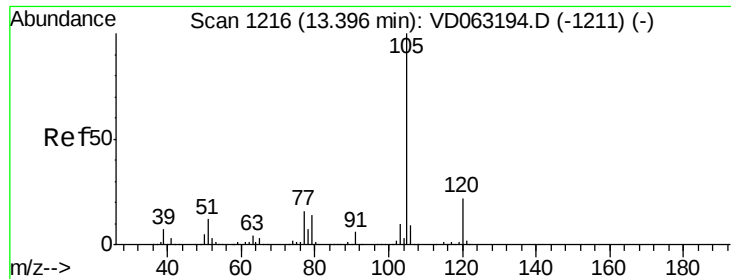
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Tgt Ion:152 Resp: 626725
Ion Ratio Lower Upper
152 100
115 61.9 27.5 82.4
150 159.6 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.414 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

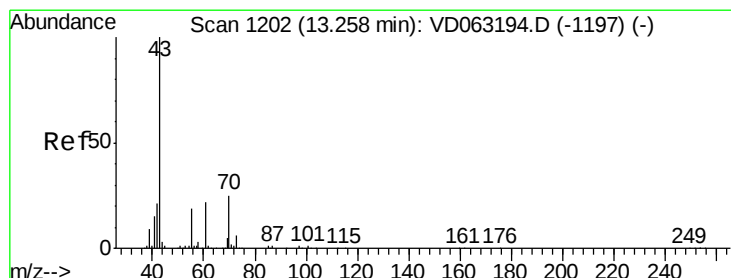
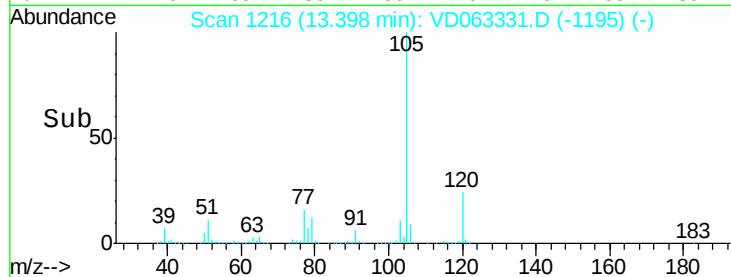
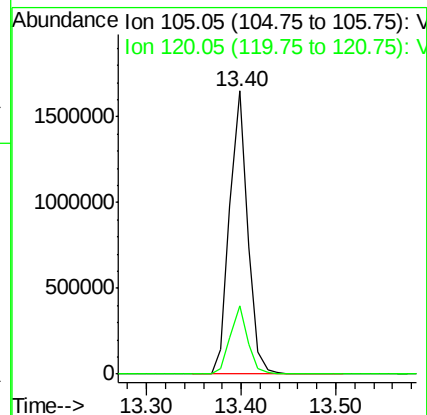
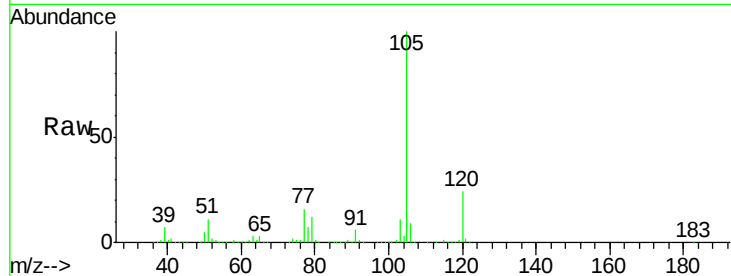
VSTDCCC050

Tot Ion:105 Resp: 2179710

Ion Ratio Lower Upper

105 100

120 24.1 11.1 33.3



#74

N-ethyl acetate

Concen: 56.746 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Tgt Ion: 43 Resp: 590077

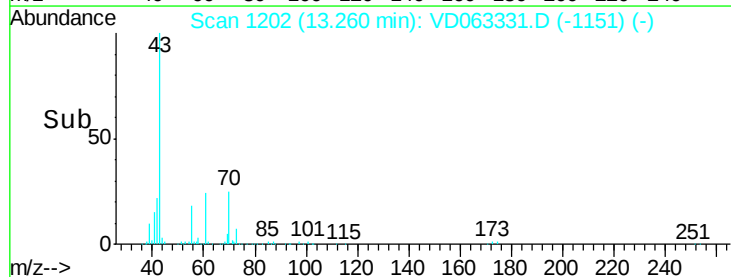
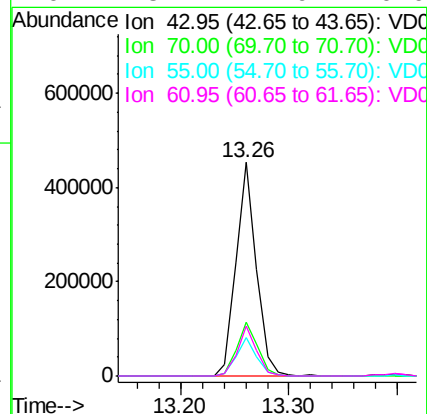
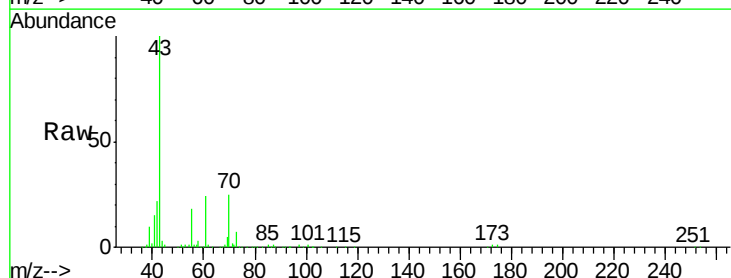
Ion Ratio Lower Upper

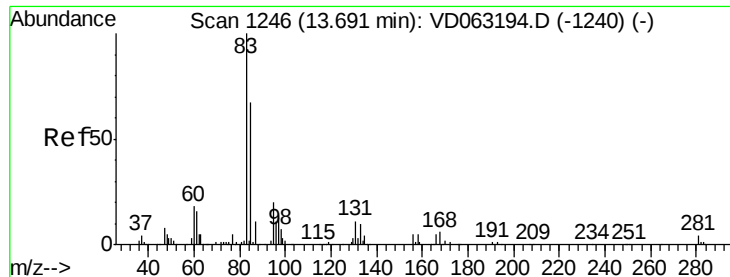
43 100

70 25.3 20.2 30.4

55 18.0 14.9 22.3

61 23.7 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 57.745 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

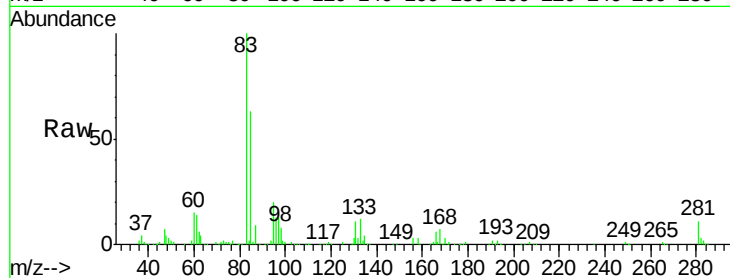
Tot Ion: 83 Resp: 385829

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.5	16.7
85	63.1	33.7	101.1

83 100

131 10.8 5.5 16.7

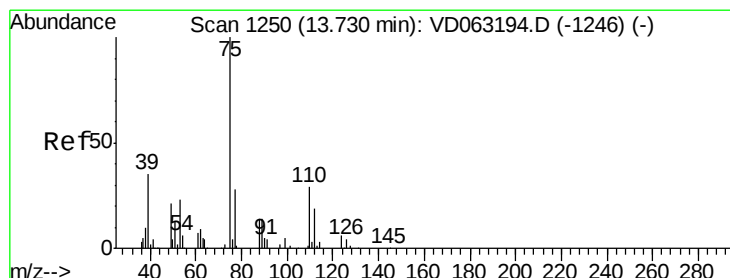
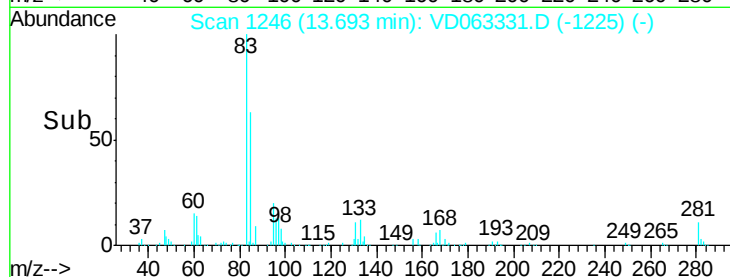
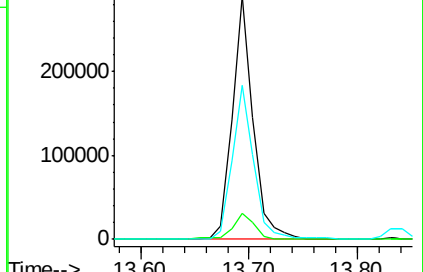
85 63.1 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 54.511 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063331.D

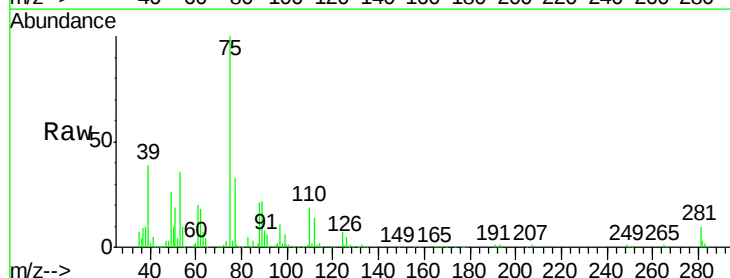
Acq: 2 Aug 2019 22:45

Tgt Ion: 75 Resp: 410345

Ion	Ratio	Lower	Upper
75	100		
77	32.7	16.0	48.0

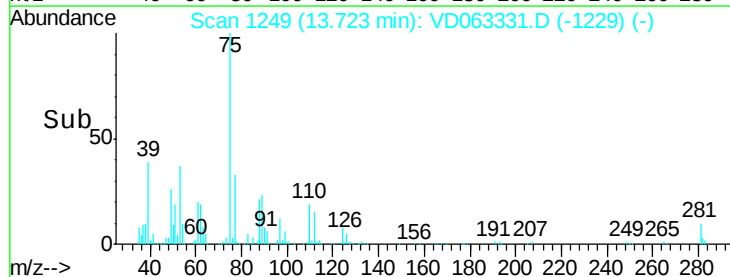
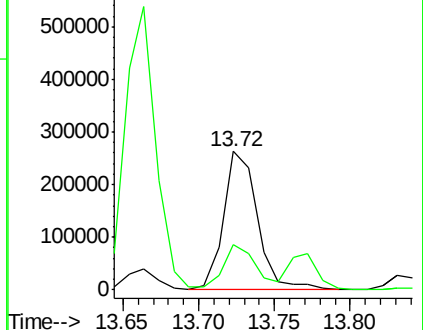
75 100

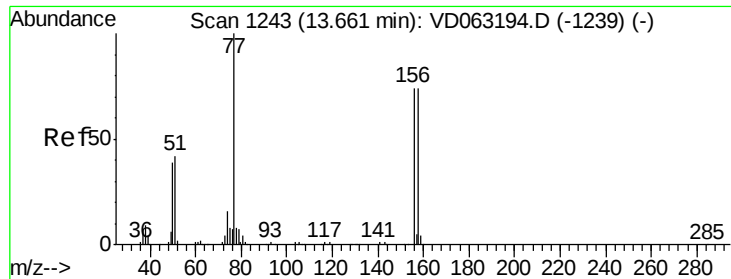
77 32.7 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 54.406 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

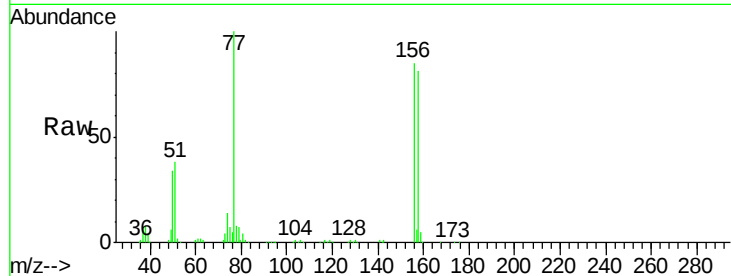
Tot Ion:156 Resp: 609640

Ion Ratio Lower Upper

156 100

77 117.6 67.6 202.8

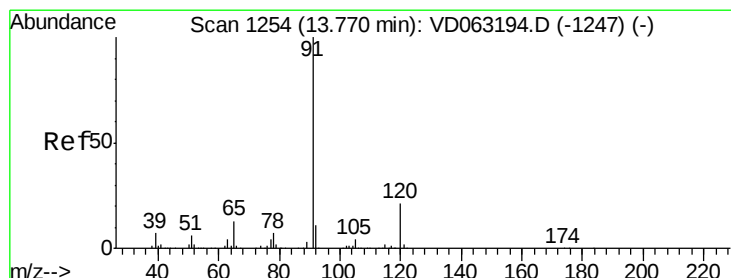
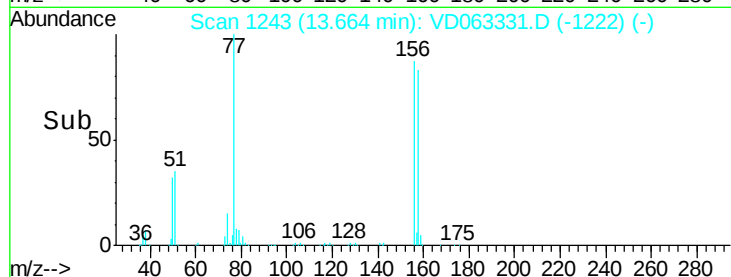
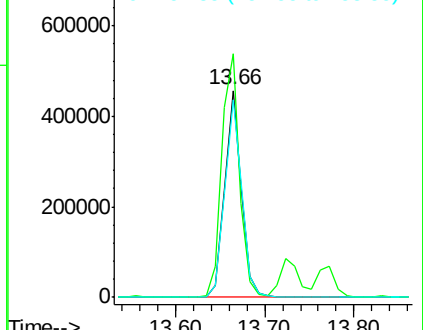
158 95.6 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.892 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063331.D

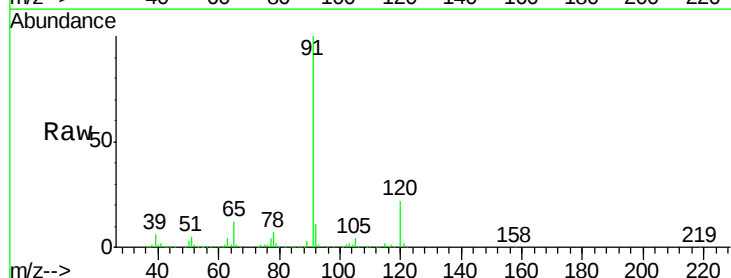
Acq: 2 Aug 2019 22:45

Tgt Ion: 91 Resp: 2335416

Ion Ratio Lower Upper

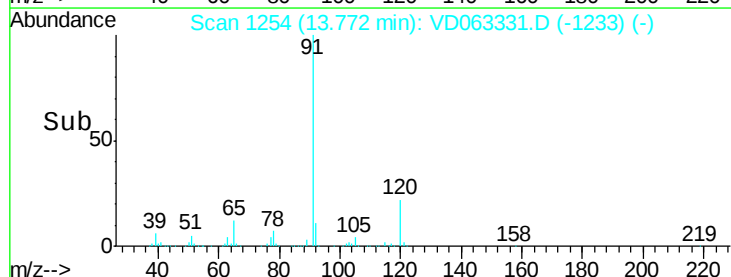
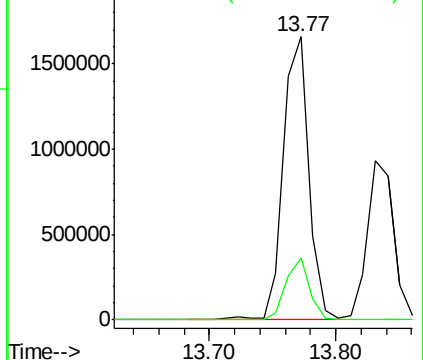
91 100

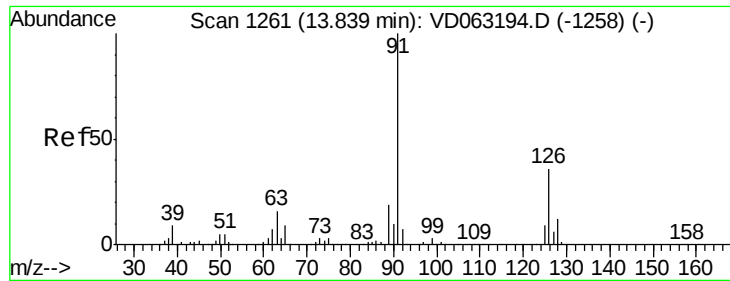
120 21.9 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 50.163 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

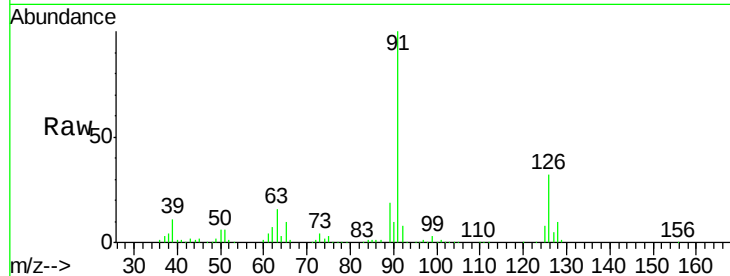
VSTDCCC050

Tot Ion: 91 Resp: 1360581

Ion Ratio Lower Upper

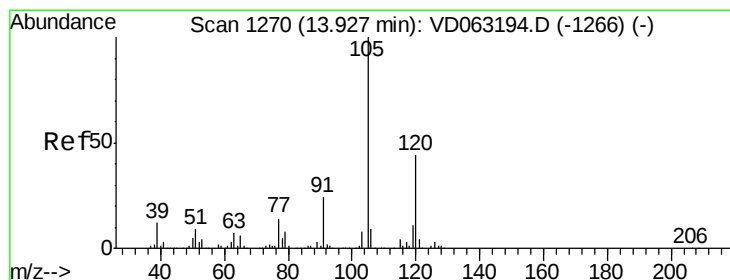
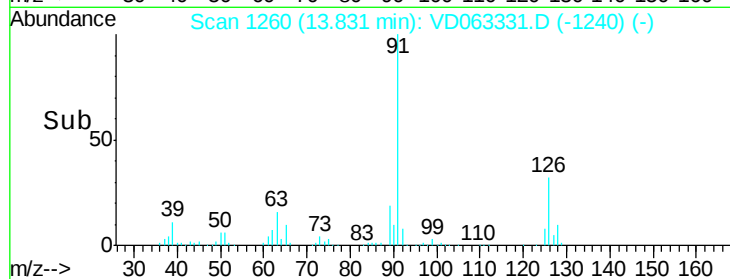
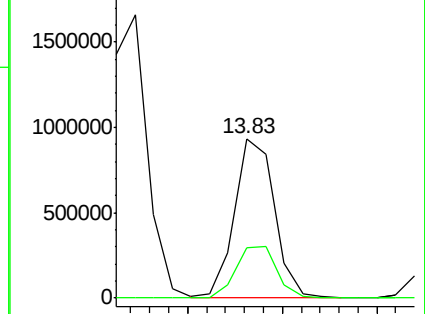
91 100

126 31.8 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 50.709 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063331.D

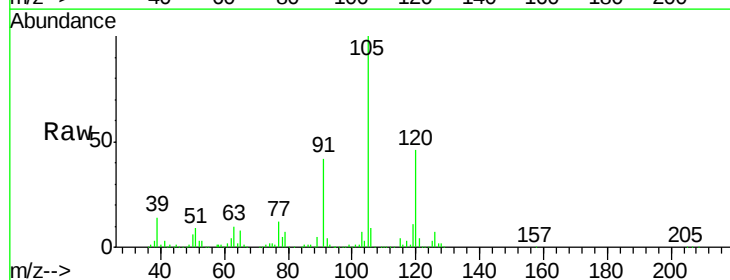
Acq: 2 Aug 2019 22:45

Tgt Ion:105 Resp: 1720377

Ion Ratio Lower Upper

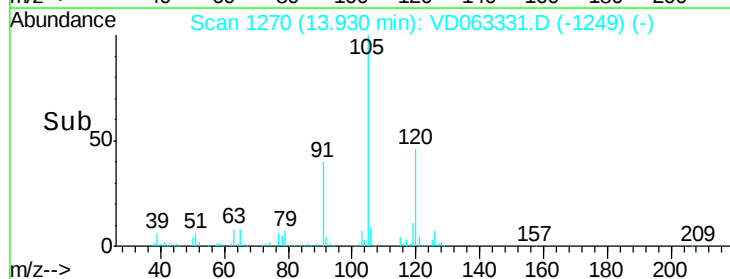
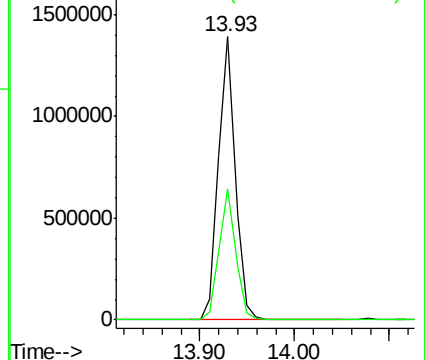
105 100

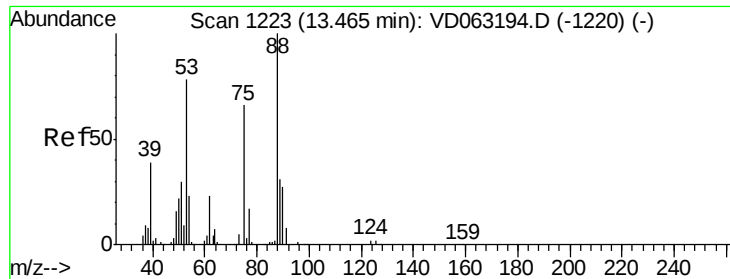
120 46.3 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

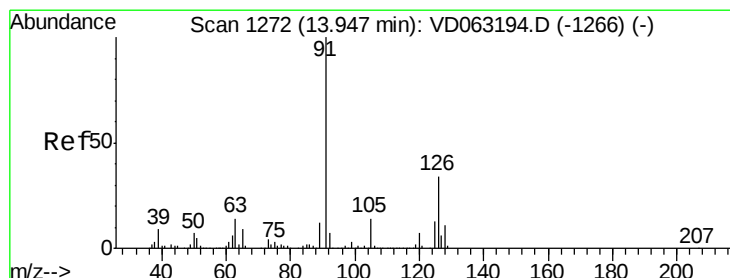
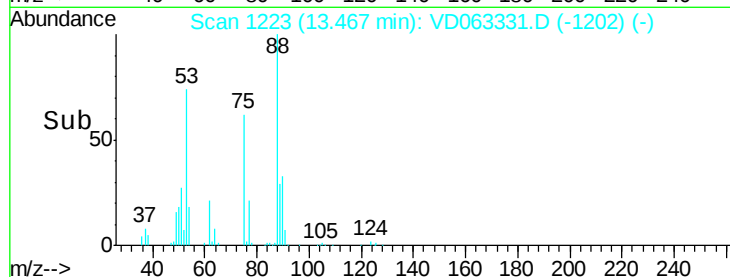
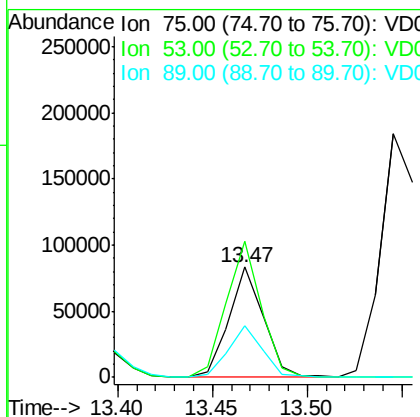
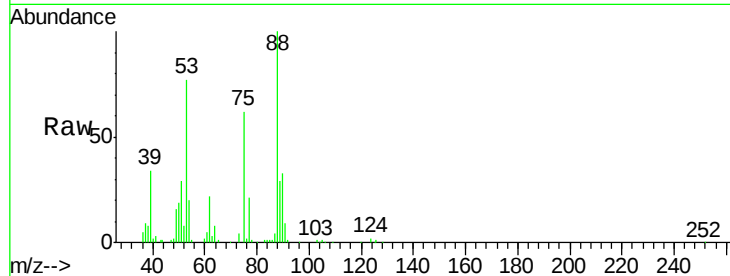




#81
trans-1,4-Dichloro-2-butene
Concen: 50.625 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

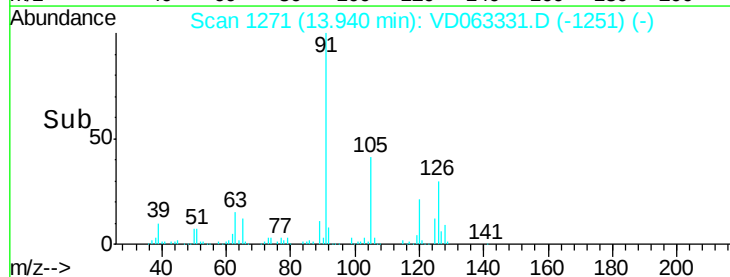
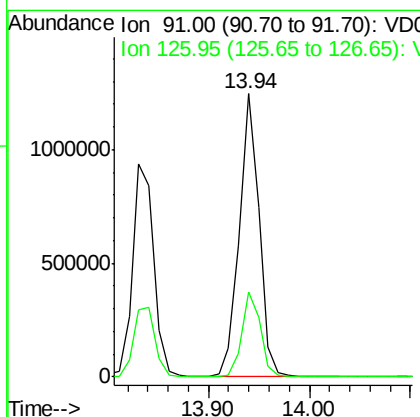
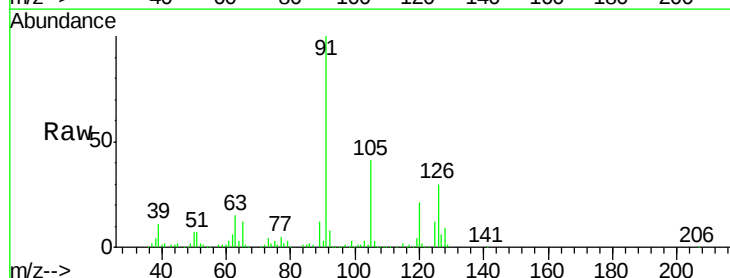
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 105822
Ion Ratio Lower Upper
75 100
53 123.5 94.9 142.3
89 46.6 37.4 56.0



#82
4-Chlorotoluene
Concen: 53.082 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Tgt Ion: 91 Resp: 1694405
Ion Ratio Lower Upper
91 100
126 30.2 17.1 51.2

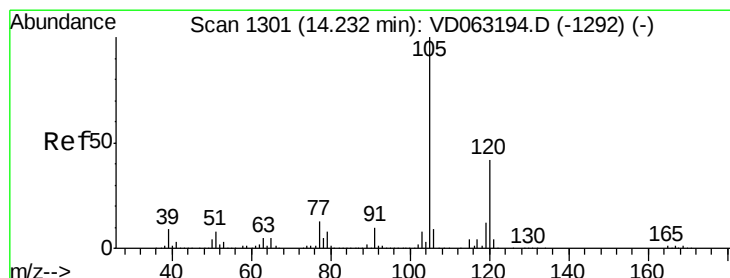
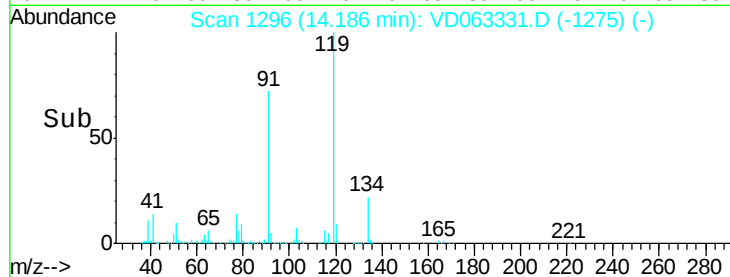
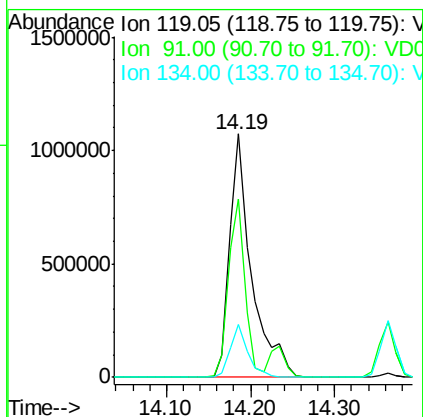
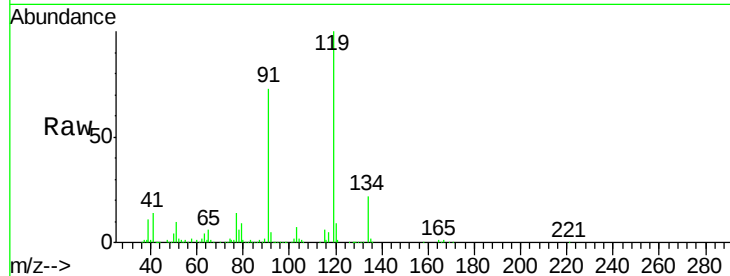




#83
 tert-Butylbenzene
 Concen: 50.147 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

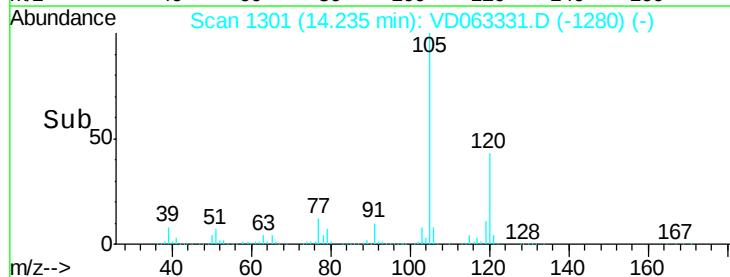
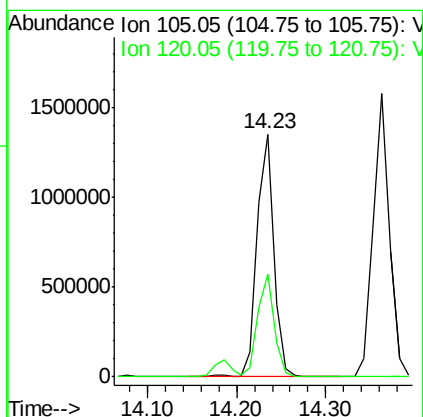
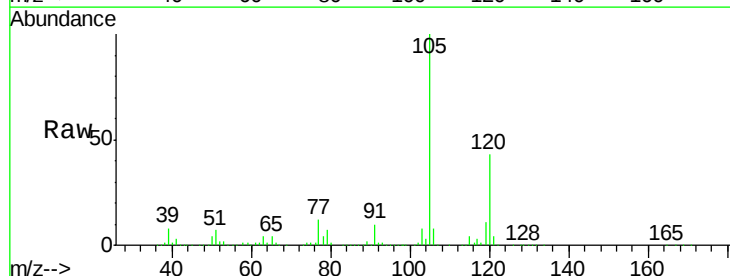
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

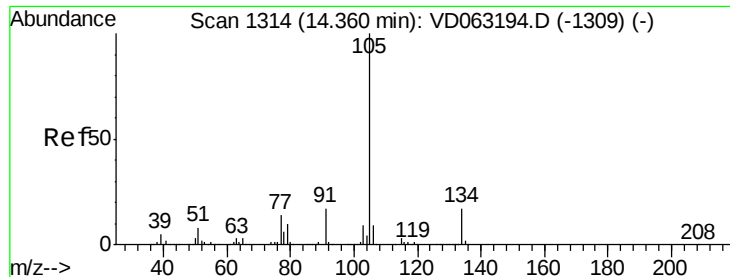
Tot Ion:119 Resp: 1942586
 Ion Ratio Lower Upper
 119 100
 91 73.0 39.1 117.5
 134 21.7 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 49.822 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

Tgt Ion:105 Resp: 1748341
 Ion Ratio Lower Upper
 105 100
 120 42.6 20.9 62.7

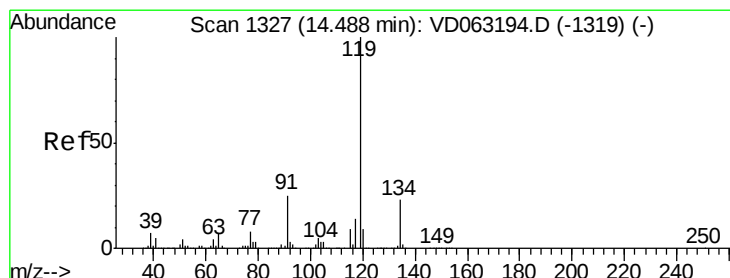
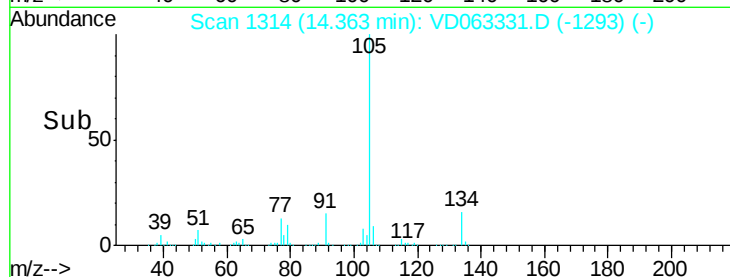
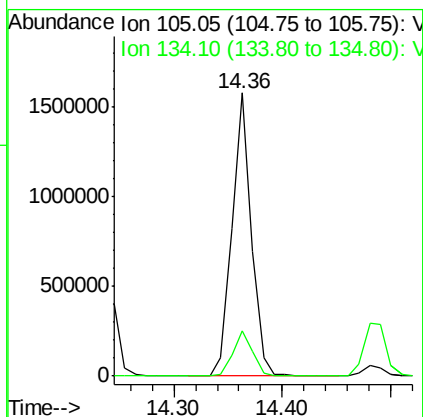
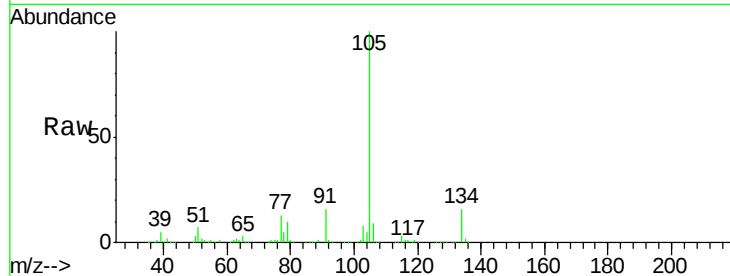




#85
 sec-Butylbenzene
 Concen: 48.173 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

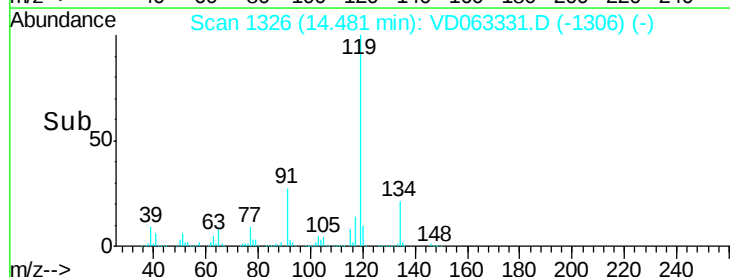
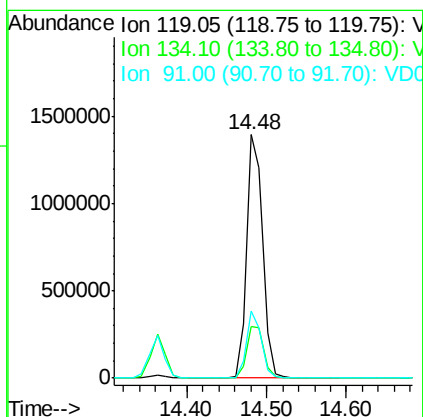
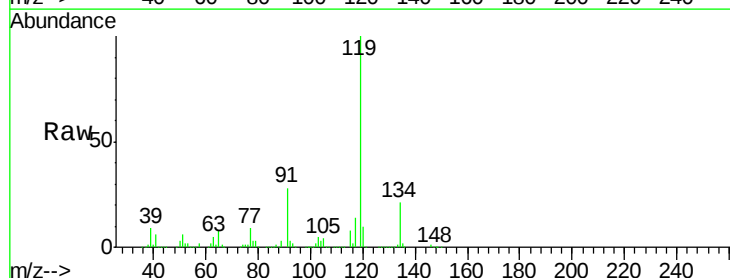
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

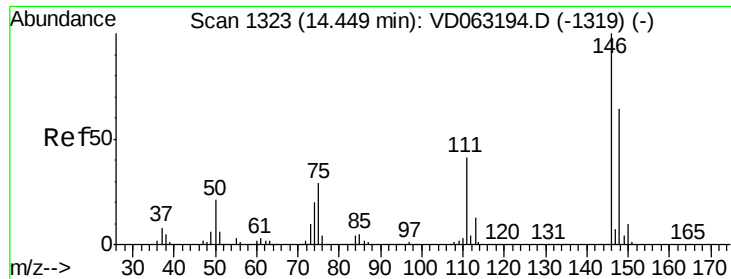
Tot Ion:105 Resp: 1966081
 Ion Ratio Lower Upper
 105 100
 134 16.0 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 48.915 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

Tgt Ion:119 Resp: 1905455
 Ion Ratio Lower Upper
 119 100
 134 21.3 11.5 34.5
 91 27.6 12.6 37.6

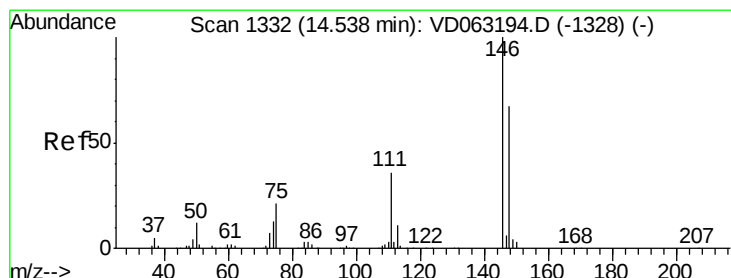
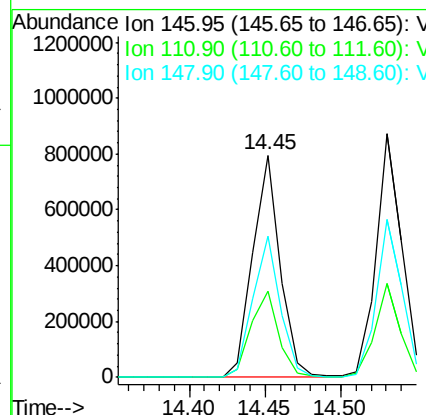
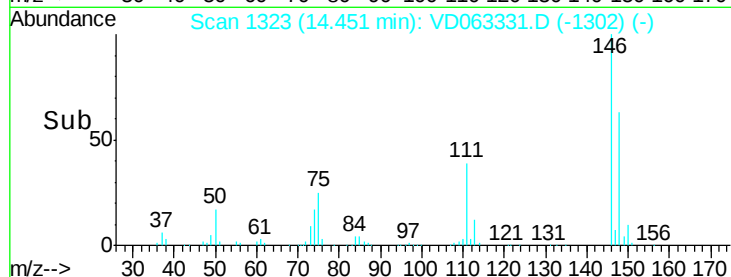
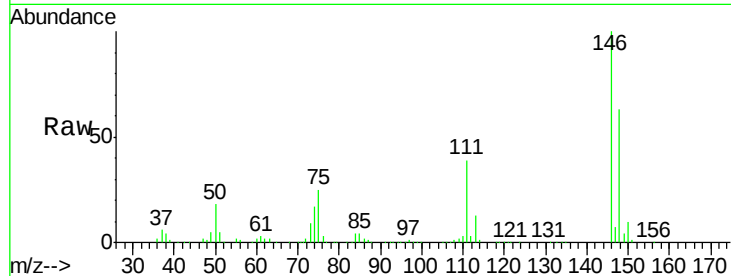




#87
 1,3-Dichlorobenzene
 Concen: 50.679 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

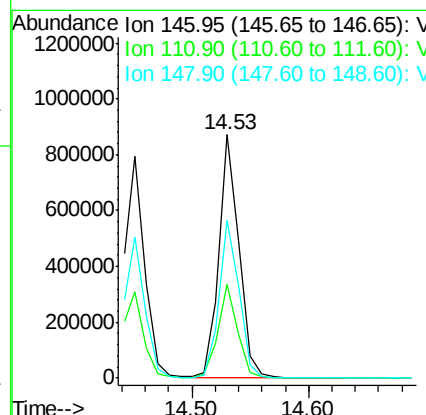
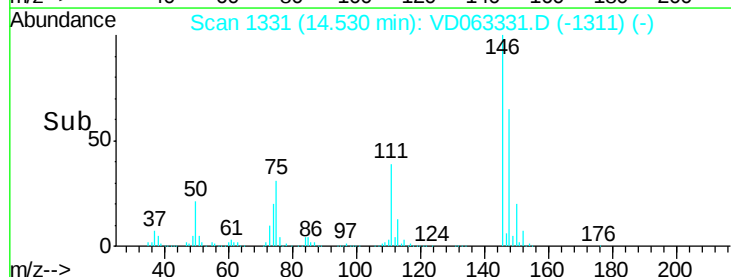
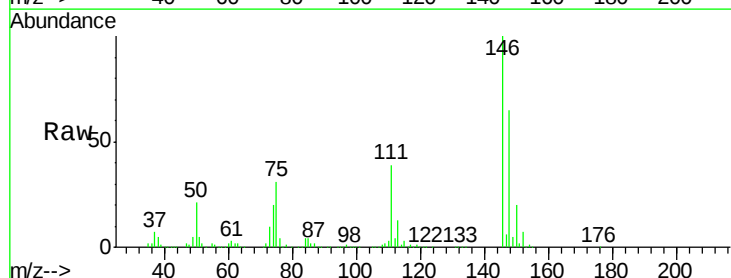
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

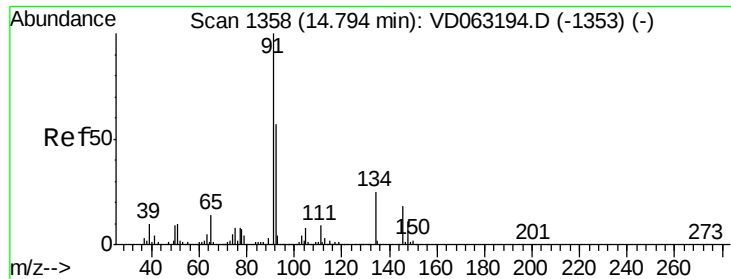
Tot Ion:146 Resp: 1005668
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.4 61.3
 148 63.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 51.674 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

Tgt Ion:146 Resp: 1036918
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.1 54.3
 148 64.7 33.4 100.1





#89

n-Butylbenzene

Concen: 51.170 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

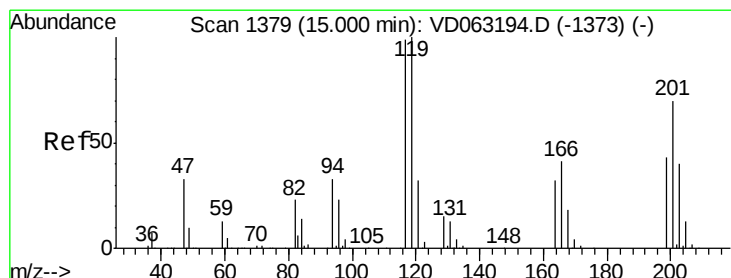
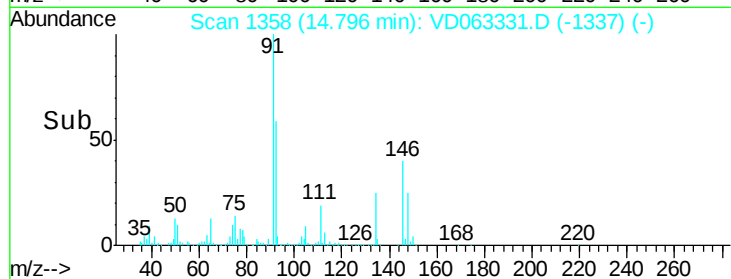
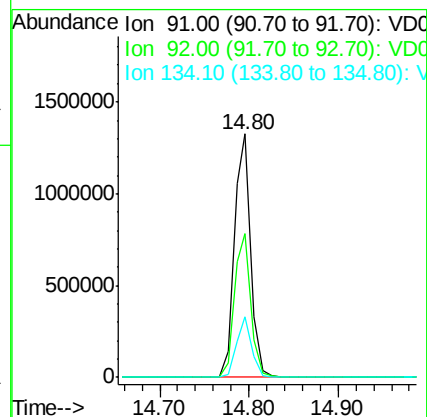
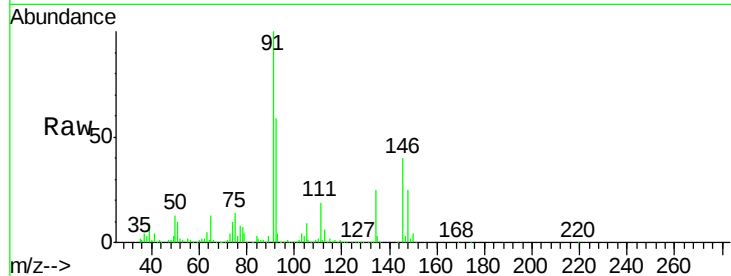
Tot Ion: 91 Resp: 1721589

Ion Ratio Lower Upper

91 100

92 59.3 28.3 85.0

134 25.1 12.3 36.8



#90

Hexachloroethane

Concen: 50.721 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063331.D

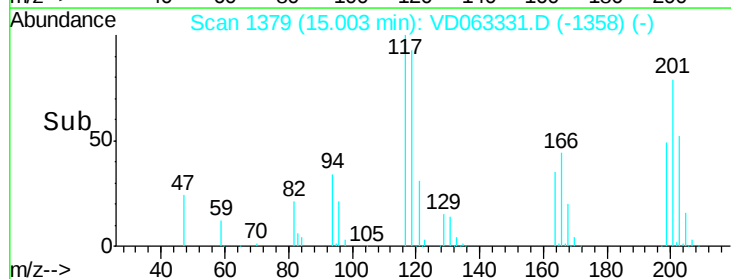
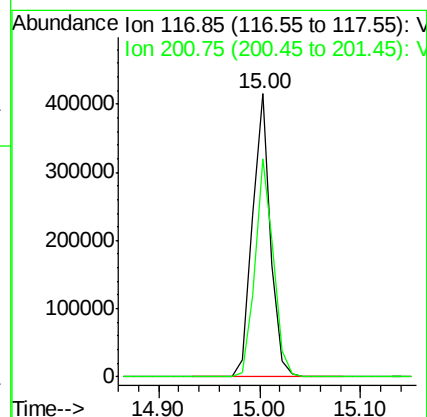
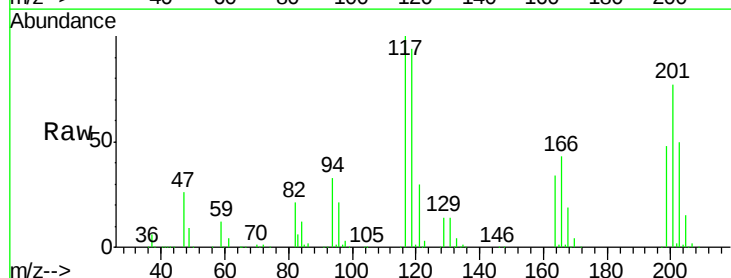
Acq: 2 Aug 2019 22:45

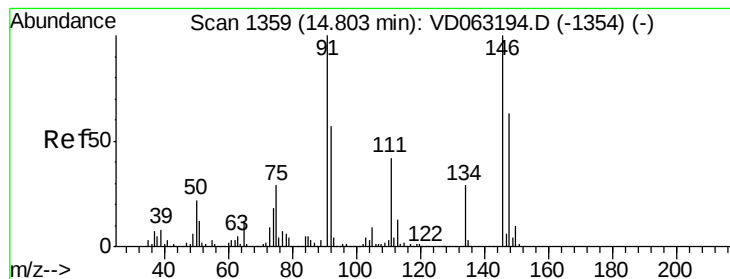
Tgt Ion: 117 Resp: 514761

Ion Ratio Lower Upper

117 100

201 76.9 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 51.605 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

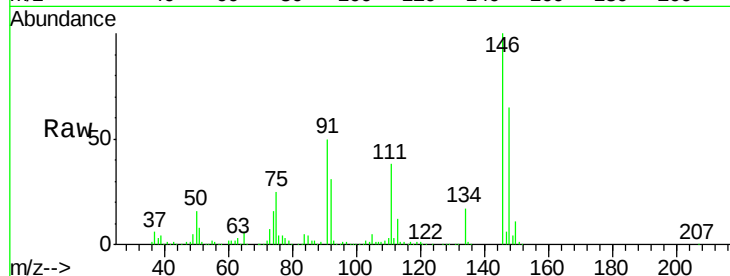
Tot Ion:146 Resp: 892223

Ion Ratio Lower Upper

146 100

111 37.8 21.1 63.3

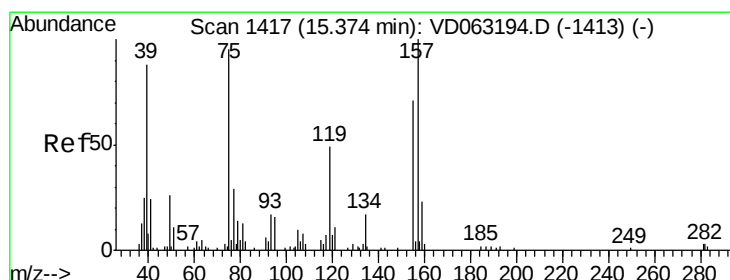
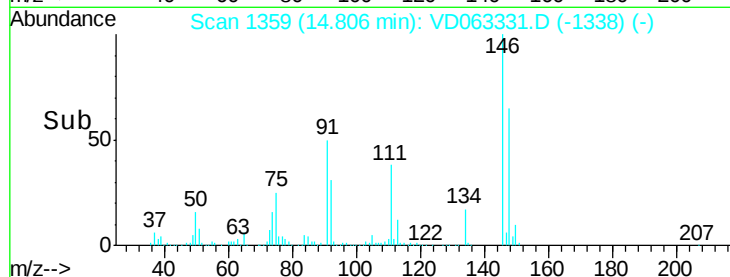
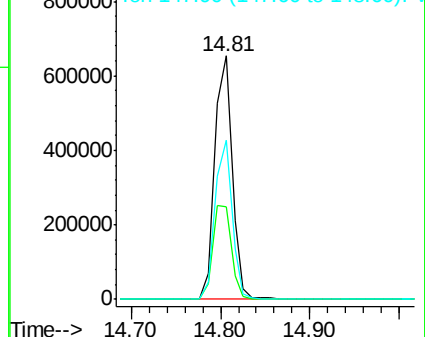
148 65.2 31.6 94.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.637 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD063331.D

Acq: 2 Aug 2019 22:45

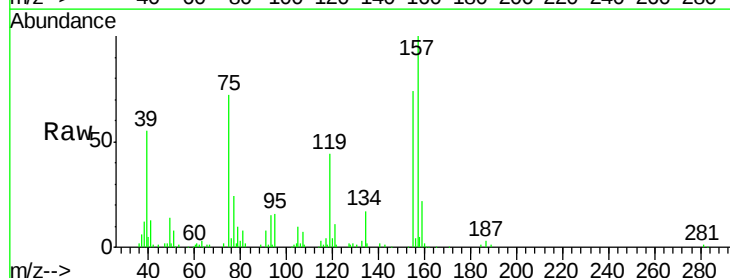
Tgt Ion: 75 Resp: 75723

Ion Ratio Lower Upper

75 100

155 102.7 37.0 111.0

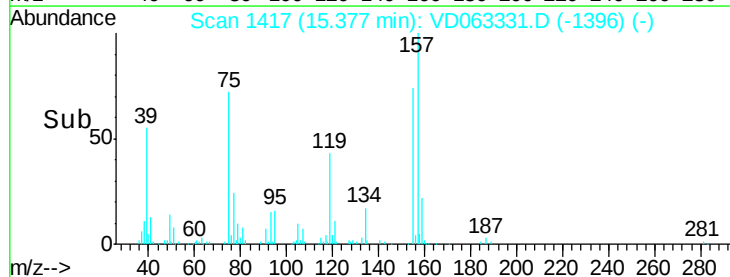
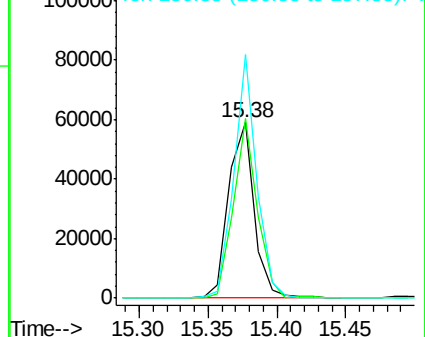
157 139.0 52.4 157.2

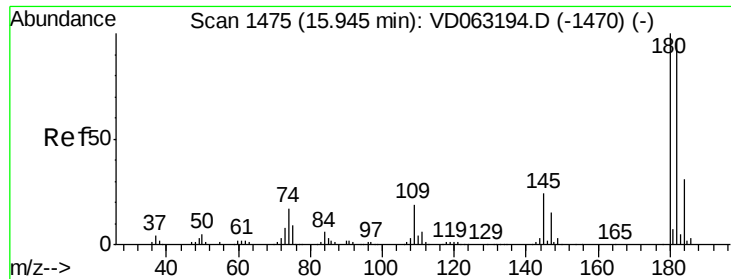


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

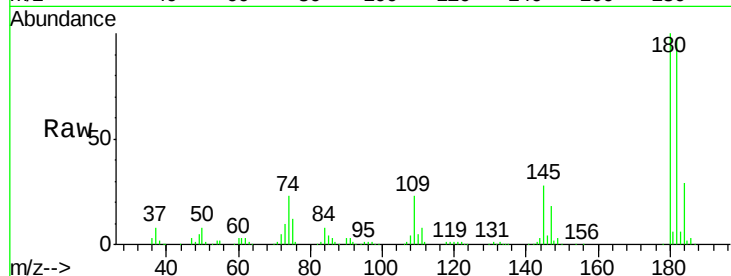




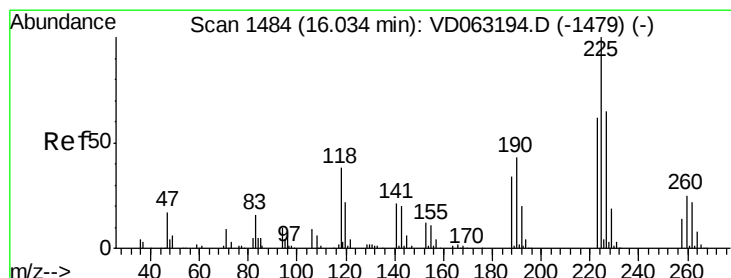
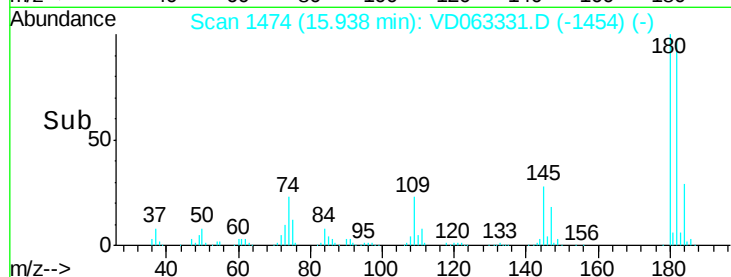
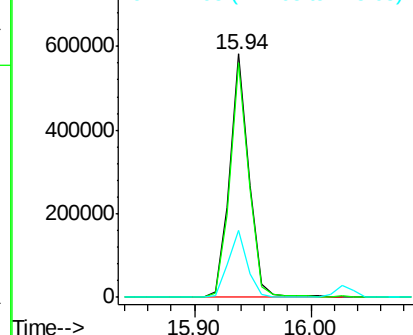
#93
 1,2,4-Trichlorobenzene
 Concen: 48.815 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 669539
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.6 145.8
 145 27.6 12.2 36.6

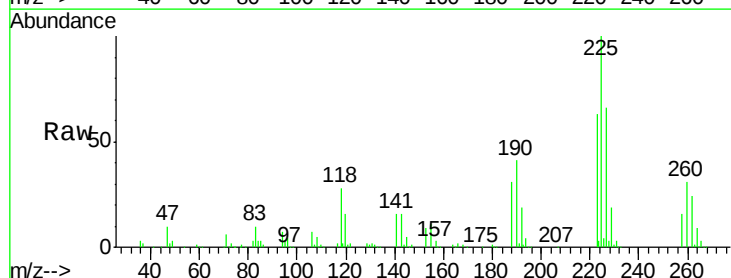


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

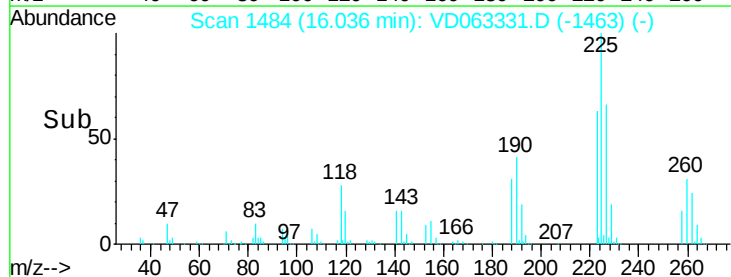
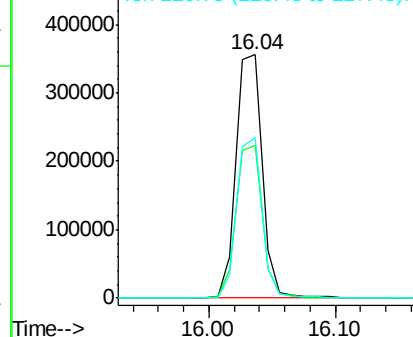


#94
 Hexachlorobutadiene
 Concen: 51.081 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063331.D
 Acq: 2 Aug 2019 22:45

Tgt Ion:225 Resp: 507729
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.9 92.5
 227 66.0 32.6 97.7



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

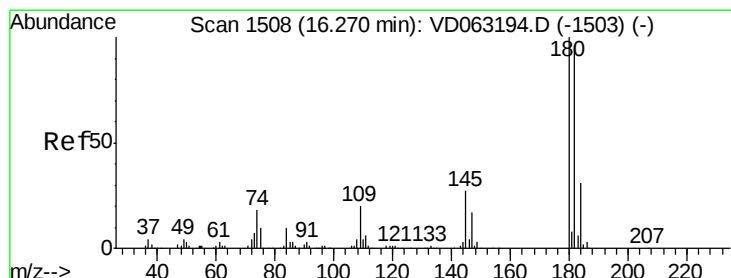
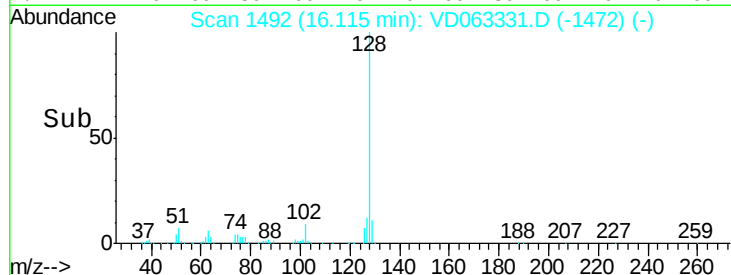
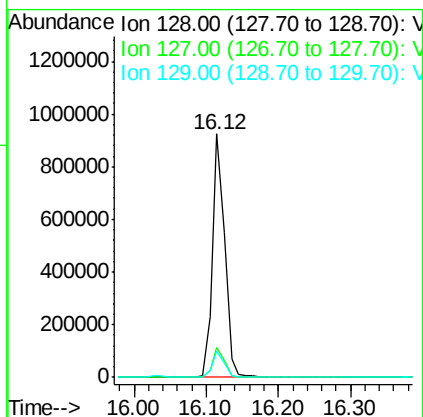
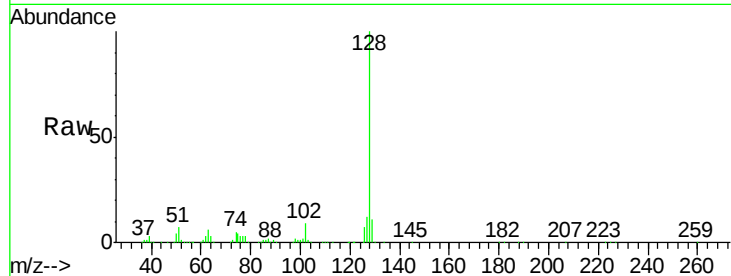




#95
Naphthalene
Concen: 55.851 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1082736
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.4
129 10.6 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 49.339 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063331.D
Acq: 2 Aug 2019 22:45

Tgt Ion:180 Resp: 534614
Ion Ratio Lower Upper
180 100
182 98.2 48.3 144.9
145 32.0 13.6 40.7

