

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111918\
 Data File : VD060411.D
 Acq On : 19 Nov 2018 12:13
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 20 13:54:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1418752	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	2017208	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.29	117	1511476	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	771690	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	493921	48.62	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.24%	
35) Dibromofluoromethane	6.33	113	747364	49.69	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	9.45	98	2084623	47.35	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.70%	
62) 4-Bromofluorobenzene	12.43	95	720562	45.17	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	90.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	537182	48.097	ug/l	99
3) Chloromethane	1.77	50	566684	42.167	ug/l	98
4) Vinyl Chloride	1.87	62	497967	45.372	ug/l	98
5) Bromomethane	2.16	94	148519	57.038	ug/l	96
6) Chloroethane	2.27	64	180604	49.595	ug/l	98
7) Trichlorofluoromethane	2.53	101	627479	48.493	ug/l	99
8) Diethyl Ether	2.84	74	116035	49.530	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.11	101	403637	47.428	ug/l	95
10) Methyl Iodide	3.26	142	465950	42.154	ug/l	96
11) Tert butyl alcohol	3.97	59	104476	250.455	ug/l #	93
12) 1,1-Dichloroethene	3.09	96	319108	46.096	ug/l	94
13) Acrolein	3.00	56	99171	201.198	ug/l	96
14) Allyl chloride	3.55	41	638901	48.235	ug/l	98
15) Acrylonitrile	4.09	53	613388	252.157	ug/l	98
16) Acetone	3.17	43	407961	231.520	ug/l	99
17) Carbon Disulfide	3.33	76	963652	43.127	ug/l	99
18) Methyl Acetate	3.57	43	193313	51.451	ug/l	96
19) Methyl tert-butyl Ether	4.13	73	1034762	49.919	ug/l	99
20) Methylene Chloride	3.74	84	780586	49.938	ug/l	96
21) trans-1,2-Dichloroethene	4.11	96	763163	49.651	ug/l	98
22) Diisopropyl ether	4.86	45	2477736	50.069	ug/l	92
23) Vinyl Acetate	4.81	43	6153070	249.886	ug/l	99
24) 1,1-Dichloroethane	4.76	63	1268763	49.998	ug/l	100
25) 2-Butanone	5.63	43	872597	238.243	ug/l	100
26) 2,2-Dichloropropane	5.60	77	1033937	52.407	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	815550	50.931	ug/l	94
28) Bromochloromethane	5.93	49	586660	52.395	ug/l	93
29) Tetrahydrofuran	5.96	42	453999	235.106	ug/l	99
30) Chloroform	6.11	83	1286175	50.699	ug/l	99
31) Cyclohexane	6.37	56	1116747	46.043	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	1095923	51.285	ug/l	99
36) 1,1-Dichloropropene	6.53	75	948505	47.594	ug/l	97
37) Ethyl Acetate	5.71	43	418407	45.625	ug/l	98
38) Carbon Tetrachloride	6.50	117	899538	48.658	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1056082	46.074	ug/l	99
40) Benzene	6.80	78	2446806	48.098	ug/l	99
41) Methacrylonitrile	5.93	41	489733	46.658	ug/l #	82
42) 1,2-Dichloroethane	6.90	62	652585	49.010	ug/l	99
43) Isopropyl Acetate	8.35	43	542603	47.103	ug/l #	100
44) Trichloroethene	7.74	130	764510	49.576	ug/l	96
45) 1,2-Dichloropropane	8.11	63	631421	49.215	ug/l	96
46) Dibromomethane	8.21	93	368496	49.040	ug/l	93
47) Bromodichloromethane	8.49	83	862697	48.720	ug/l	99
48) Methyl methacrylate	8.24	41	336494	48.090	ug/l	97
49) 1,4-Dioxane	8.23	88	59150	977.018	ug/l	90
51) 4-Methyl-2-Pentanone	9.35	43	1754087	233.955	ug/l	97
52) Toluene	9.55	92	1599470	49.221	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	734426	49.089	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	967081	50.397	ug/l	96
55) 1,1,2-Trichloroethane	10.18	97	447558	47.519	ug/l	97
56) Ethyl methacrylate	10.04	69	430828	49.750	ug/l	99
57) 1,3-Dichloropropane	10.38	76	684080	47.666	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1279968	244.448	ug/l	100
59) 2-Hexanone	10.49	43	1240291	232.100	ug/l	98
60) Dibromochloromethane	10.65	129	587657	51.328	ug/l	96
61) 1,2-Dibromoethane	10.76	107	468274	49.622	ug/l	97
64) Tetrachloroethene	10.25	164	680196	50.409	ug/l	99
65) Chlorobenzene	11.31	112	1712361	52.287	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	554214	51.722	ug/l	98
67) Ethyl Benzene	11.43	91	2806012	50.087	ug/l	98
68) m/p-Xylenes	11.57	106	2125688	102.860	ug/l	98
69) o-Xylene	11.93	106	1043064	52.244	ug/l	93
70) Styrene	11.95	104	1716849	53.210	ug/l	98
71) Bromoform	12.12	173	390230	54.196	ug/l	99
73) Isopropylbenzene	12.28	105	2895941	51.508	ug/l	99
74) N-amyl acetate	12.13	43	737086	51.135	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	449348	48.869	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	479510	51.944	ug/l	100
77) Bromobenzene	12.54	156	737464	49.380	ug/l	93
78) n-propylbenzene	12.64	91	3552842	50.627	ug/l	96
79) 2-Chlorotoluene	12.71	91	1938808	50.443	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	2217371	50.748	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.35	75	141106	53.691	ug/l	98
82) 4-Chlorotoluene	12.81	91	2145671	49.697	ug/l	95
83) tert-Butylbenzene	13.05	119	2574625	53.074	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	2274428	52.121	ug/l	98
85) sec-Butylbenzene	13.22	105	3080154	51.753	ug/l	98
86) p-Isopropyltoluene	13.34	119	2432850	50.760	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	1338740	50.385	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	1314067	50.639	ug/l	95
89) n-Butylbenzene	13.65	91	2463341	53.479	ug/l	98
90) Hexachloroethane	13.86	117	633510	55.743	ug/l	80
91) 1,2-Dichlorobenzene	13.67	146	1047166	47.982	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	56289	50.713	ug/l	81

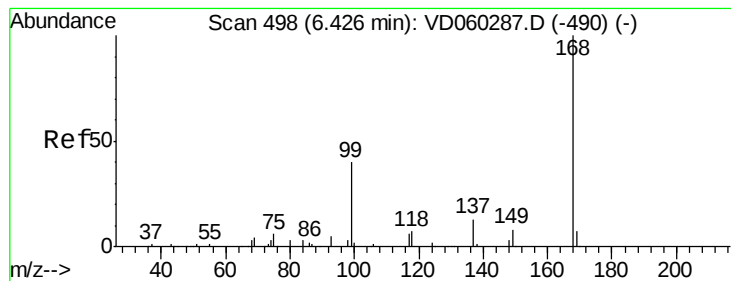
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111918\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	863895	49.926	ug/l	99
94) Hexachlorobutadiene	14.88	225	651231	50.317	ug/l	99
95) Naphthalene	14.97	128	1082951	51.254	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	685869	49.464	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

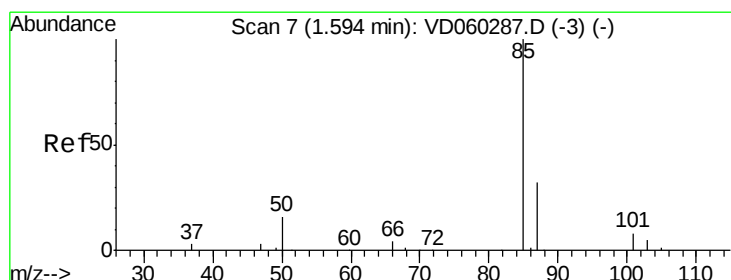
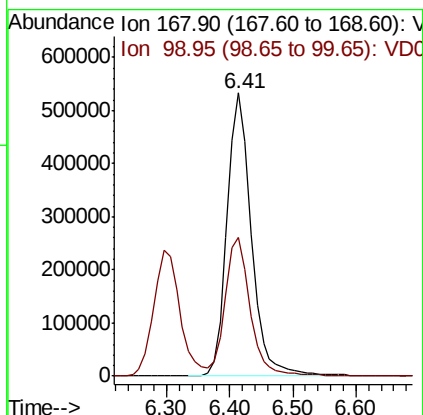
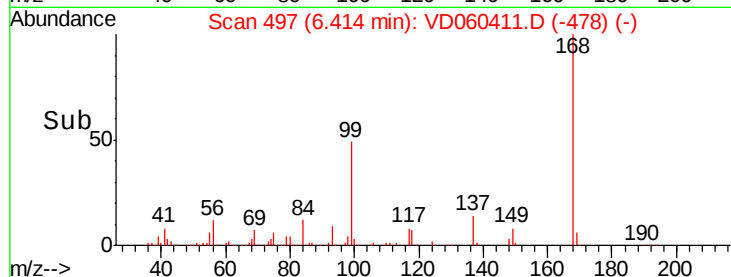
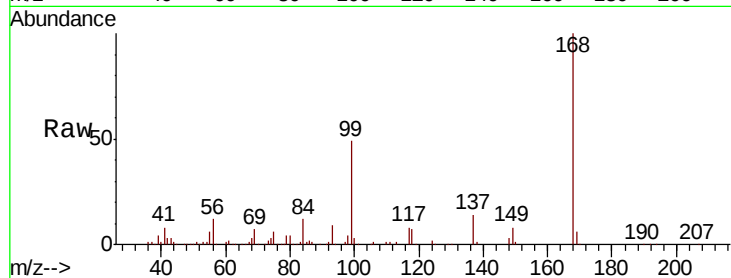
VSTDCCC050

Tot Ion:168 Resp: 1418752

Ion Ratio Lower Upper

168 100

99 48.8 39.8 59.8



#2

Dichlorodifluoromethane

Concen: 48.097 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060411.D

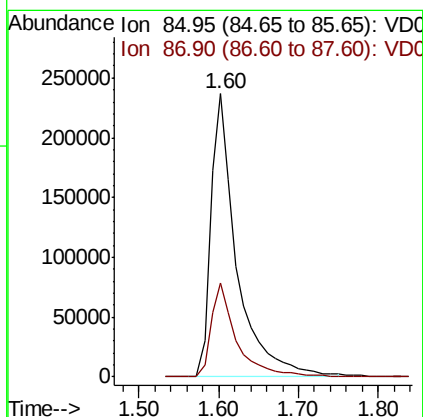
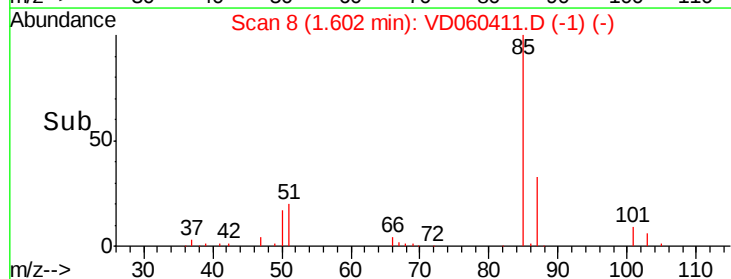
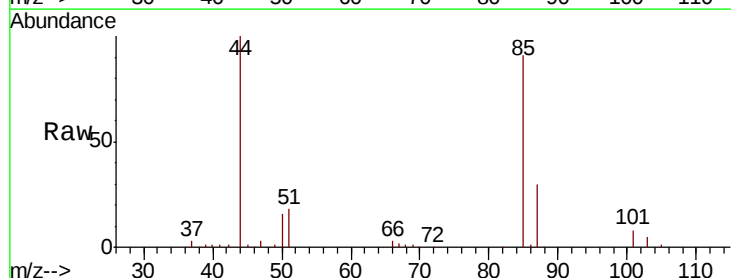
Acq: 19 Nov 2018 12:13

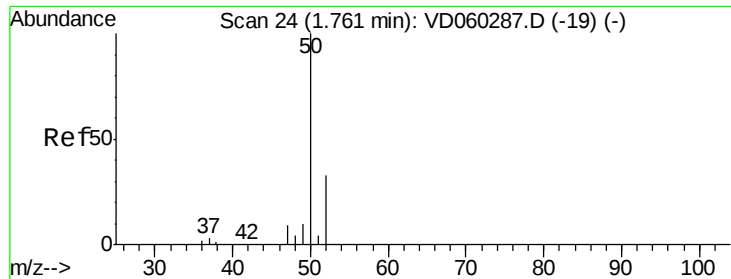
Tgt Ion: 85 Resp: 537182

Ion Ratio Lower Upper

85 100

87 33.2 16.8 50.4





#3

Chloromethane

Concen: 42.167 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

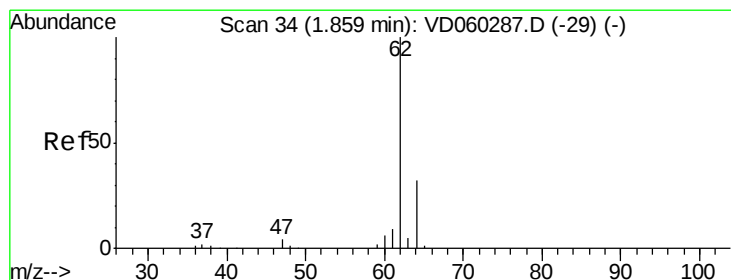
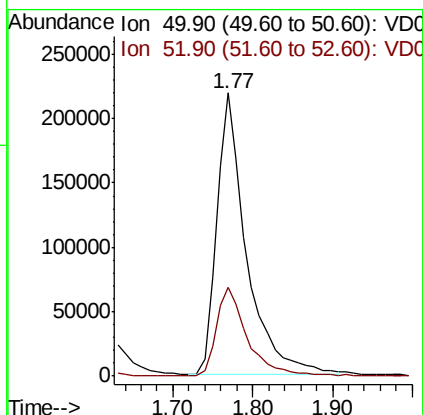
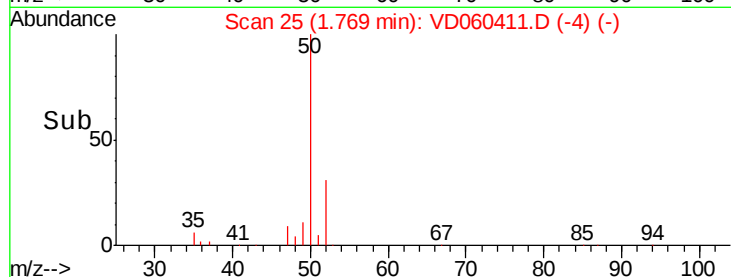
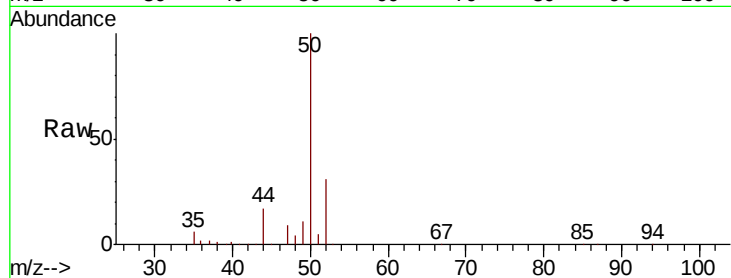
VSTDCCC050

Tot Ion: 50 Resp: 56684

Ion Ratio Lower Upper

50 100

52 31.3 25.8 38.6



#4

Vinyl Chloride

Concen: 45.372 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060411.D

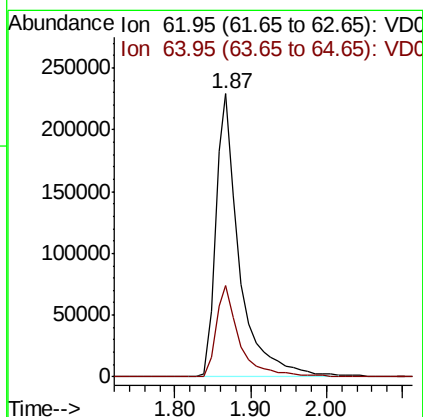
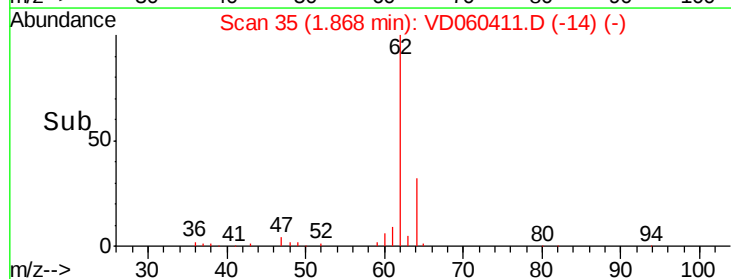
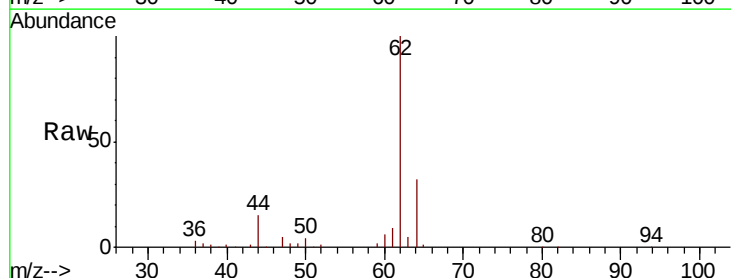
Acq: 19 Nov 2018 12:13

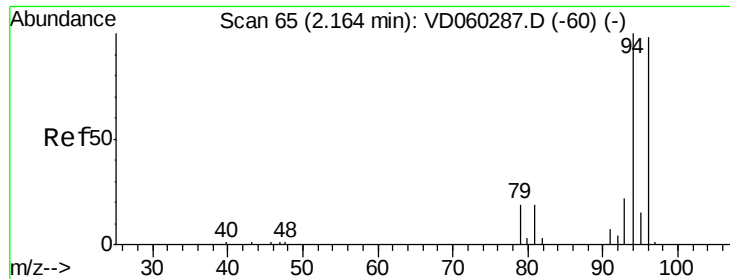
Tgt Ion: 62 Resp: 497967

Ion Ratio Lower Upper

62 100

64 32.2 24.9 37.3





#5

Bromomethane

Concen: 57.038 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

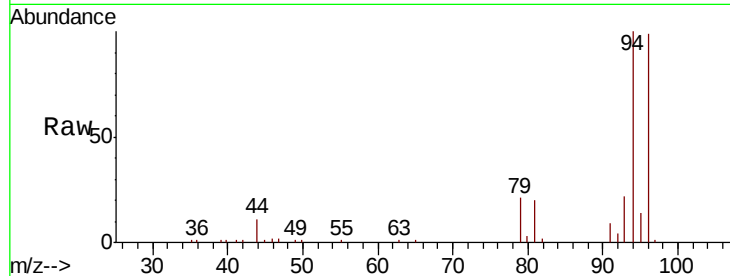
VSTDCCC050

Tot Ion: 94 Resp: 148519

Ion Ratio Lower Upper

94 100

96 99.4 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.16

60000

50000

40000

30000

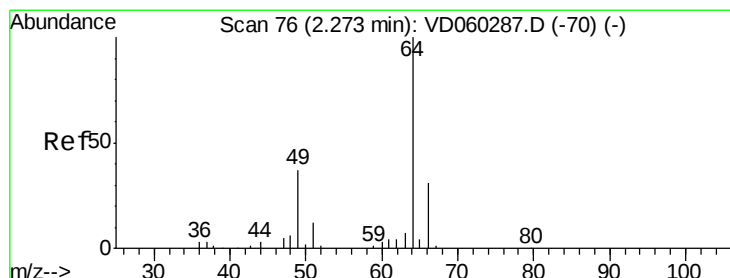
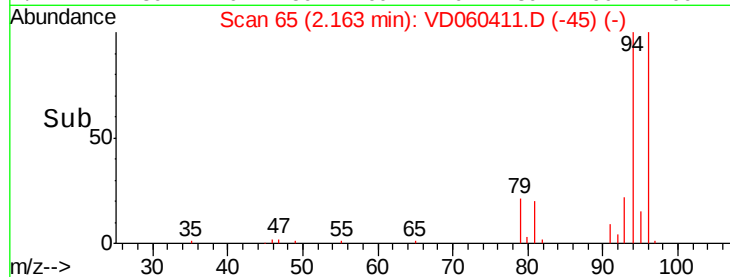
20000

10000

0

Time-->

2.00 2.10 2.20 2.30 2.40



#6

Chloroethane

Concen: 49.595 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060411.D

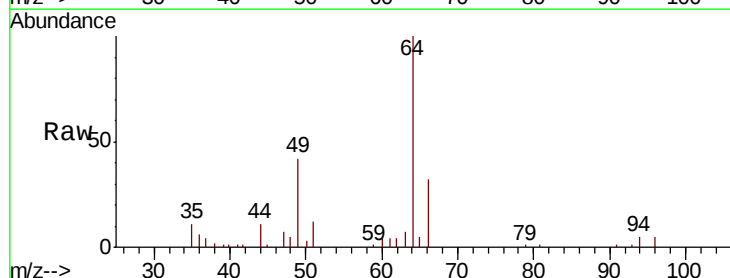
Acq: 19 Nov 2018 12:13

Tgt Ion: 64 Resp: 180604

Ion Ratio Lower Upper

64 100

66 32.2 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.27

60000

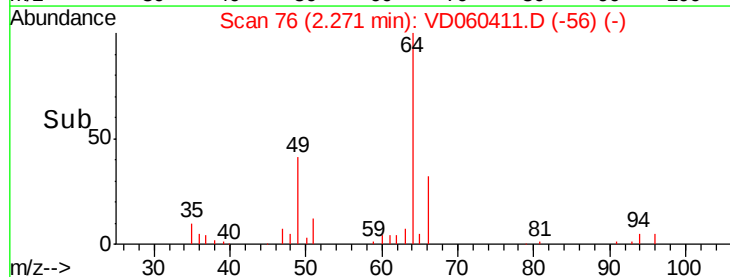
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20000

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Time-->

2.20 2.30 2.40 2.50



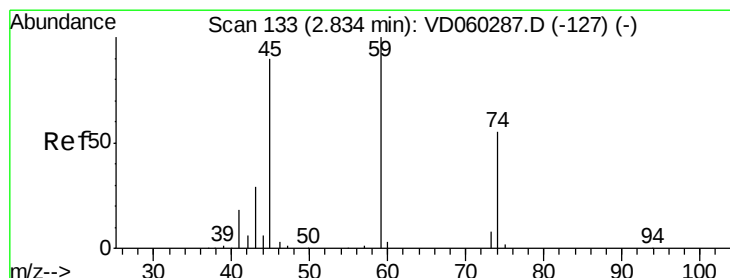
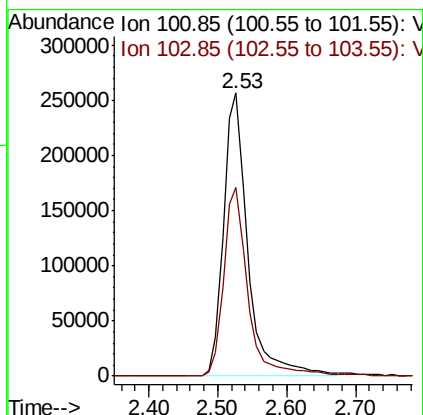
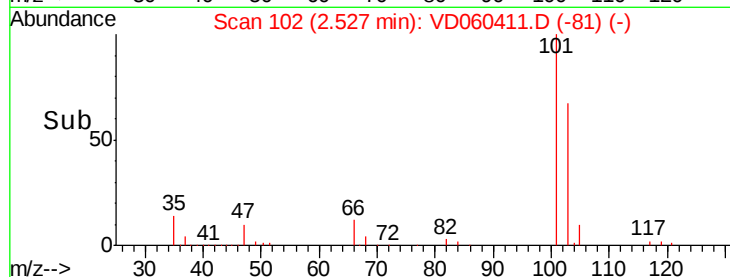
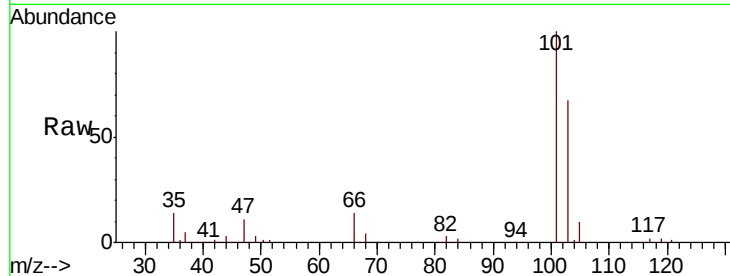


#7

Trichlorofluoromethane
 Concen: 48.493 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

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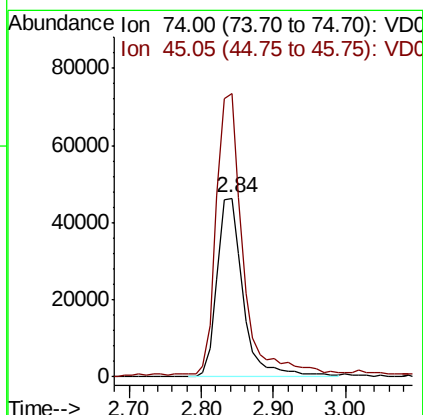
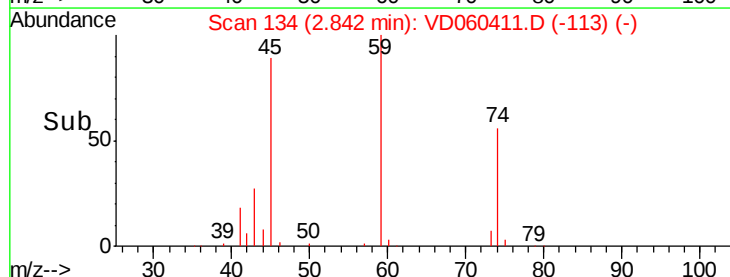
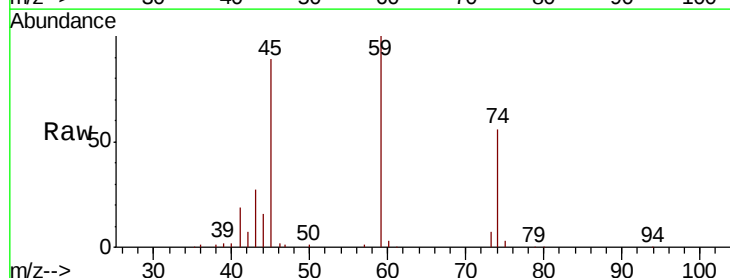
Tot Ion:101 Resp: 627479
 Ion Ratio Lower Upper
 101 100
 103 66.5 53.6 80.4

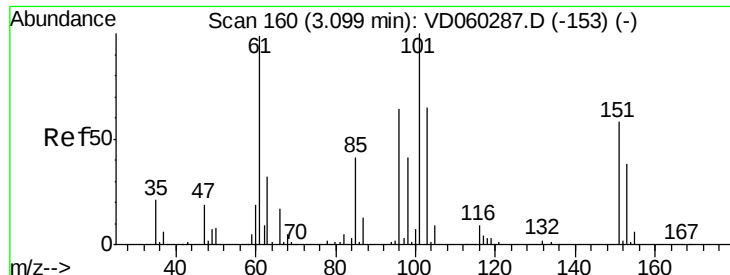


#8

Diethyl Ether
 Concen: 49.530 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

Tgt Ion: 74 Resp: 116035
 Ion Ratio Lower Upper
 74 100
 45 158.3 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.428 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

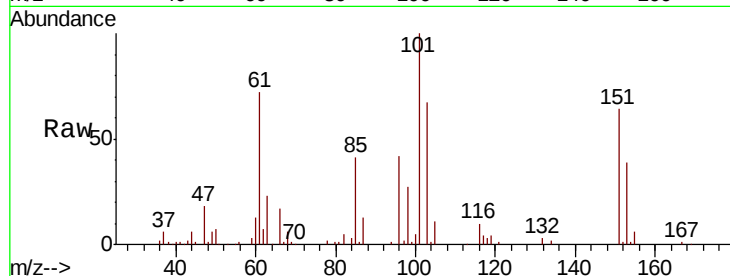
Tot Ion:101 Resp: 403637

Ion Ratio Lower Upper

101 100

85 40.8 31.4 47.0

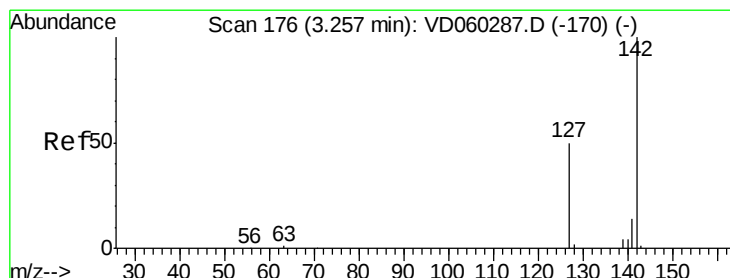
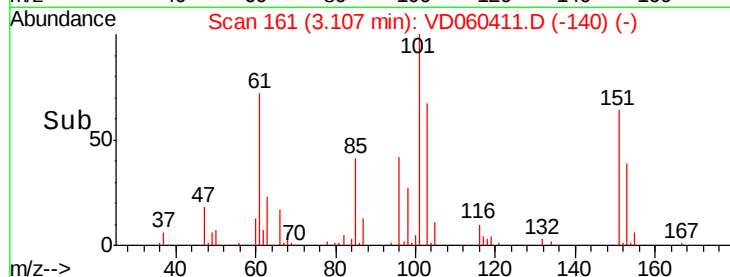
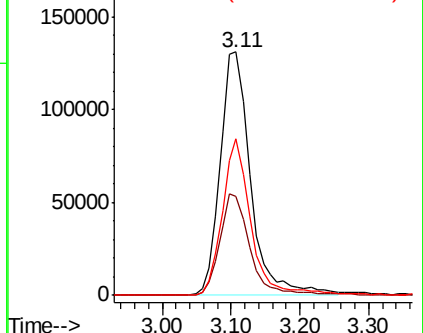
151 64.1 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 42.154 ug/l

RT: 3.26 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

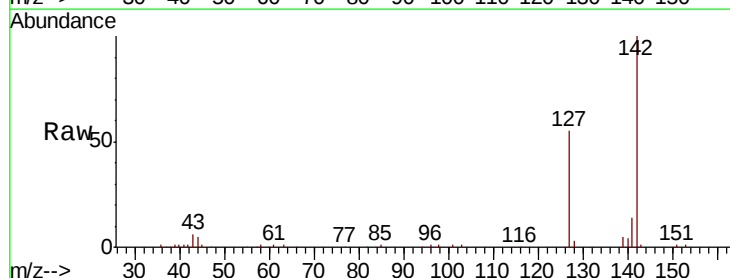
Tgt Ion:142 Resp: 465950

Ion Ratio Lower Upper

142 100

127 54.8 41.0 61.6

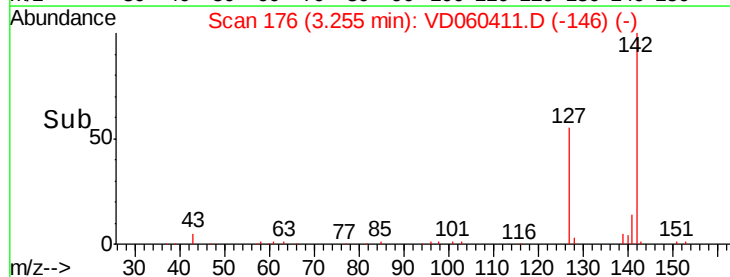
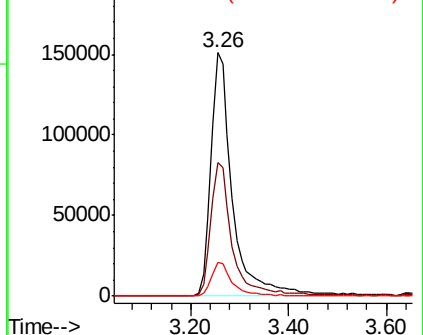
141 13.9 11.9 17.9

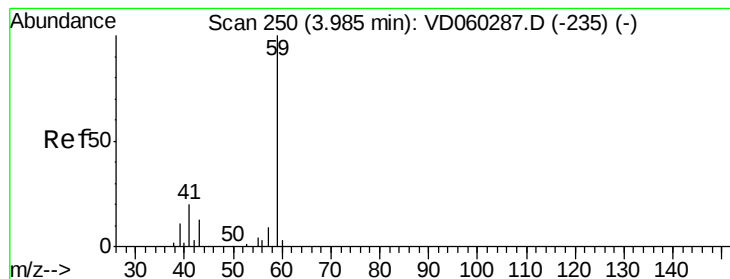


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



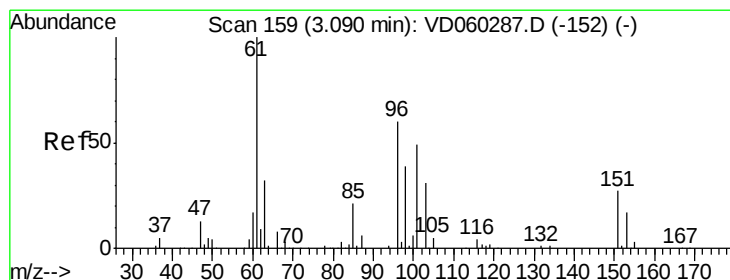
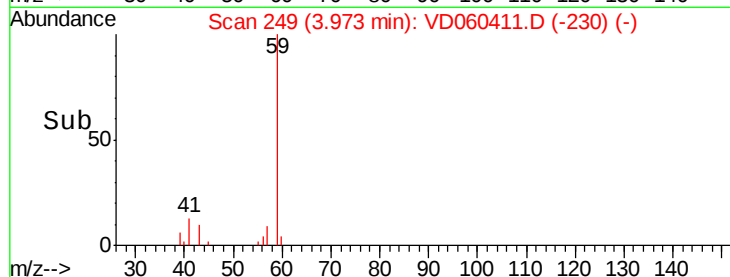
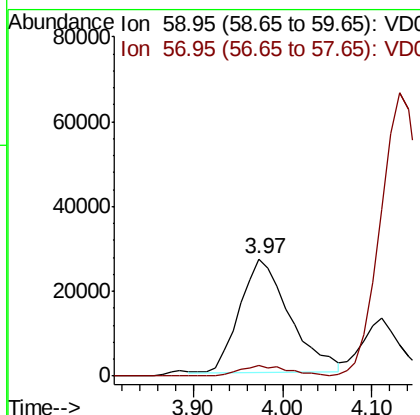
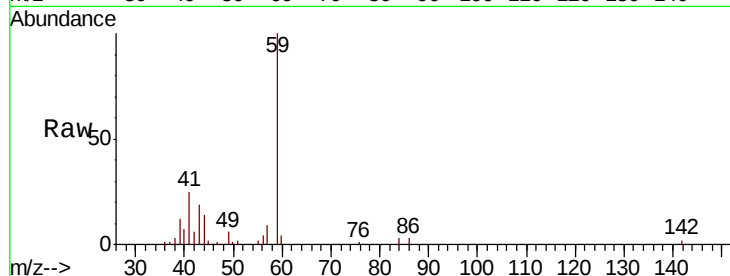


#11

Tert butyl alcohol
 Concen: 250.455 ug/l
 RT: 3.97 min Scan# 249
 Delta R.T. -0.01 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

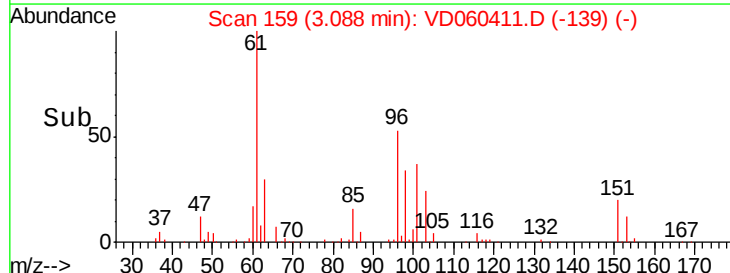
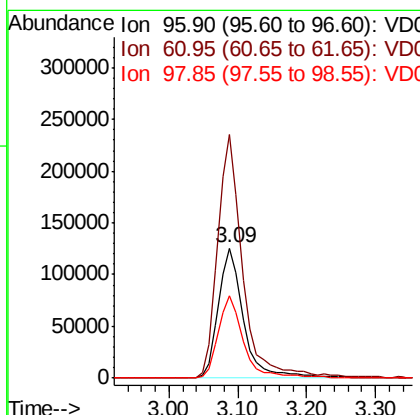
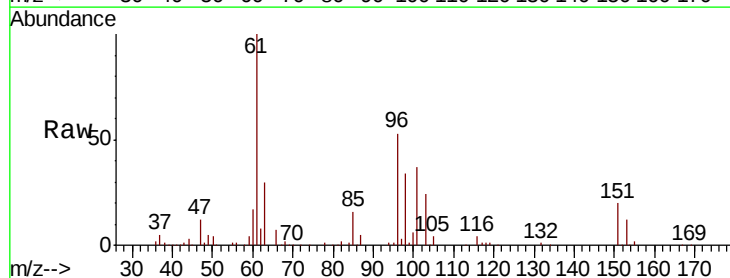
Tot Ion: 59 Resp: 104476
 Ion Ratio Lower Upper
 59 100
 57 8.8 9.3 13.9#

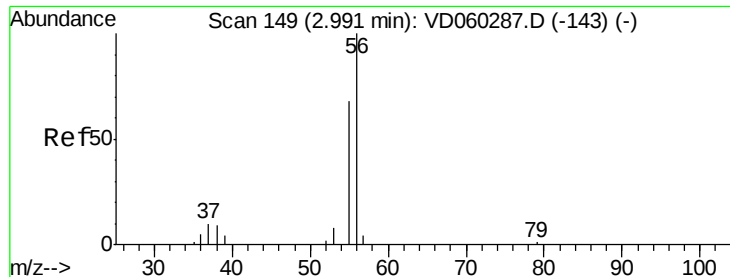


#12

1,1-Dichloroethene
 Concen: 46.096 ug/l
 RT: 3.09 min Scan# 159
 Delta R.T. -0.00 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

Tgt Ion: 96 Resp: 319108
 Ion Ratio Lower Upper
 96 100
 61 187.5 142.2 213.4
 98 63.7 52.6 79.0





#13

Acrolein

Concen: 201.198 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

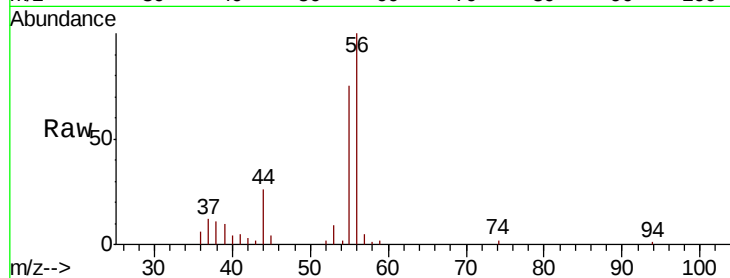
VSTDCCC050

Tot Ion: 56 Resp: 99171

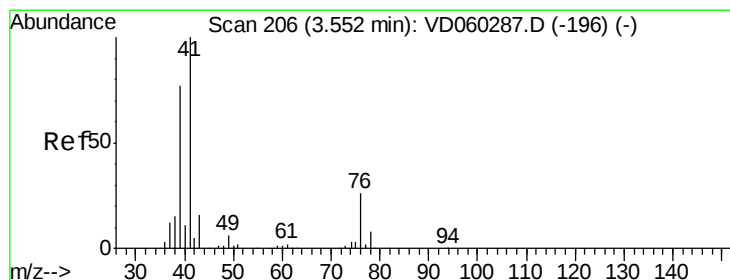
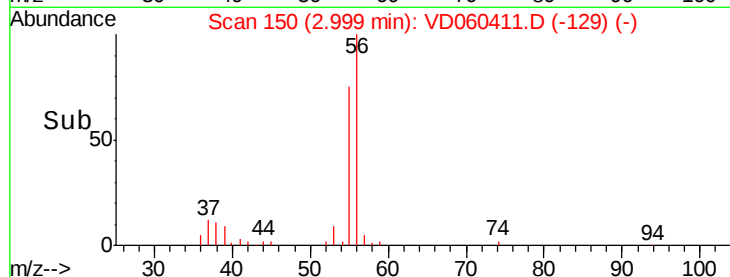
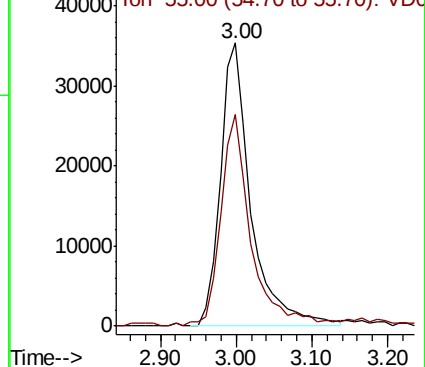
Ion Ratio Lower Upper

56 100

55 74.8 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.235 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.00 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

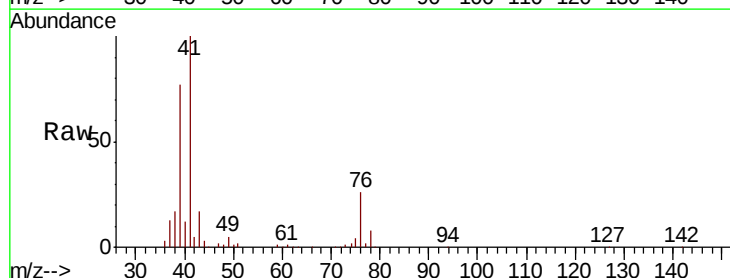
Tgt Ion: 41 Resp: 638901

Ion Ratio Lower Upper

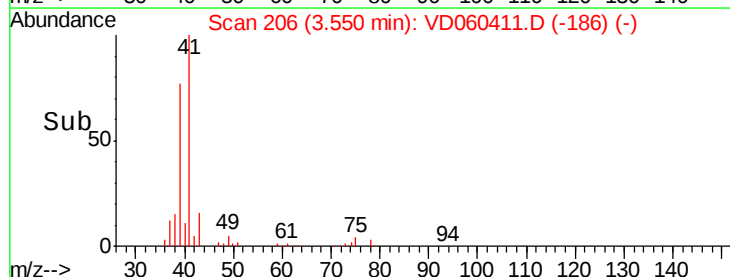
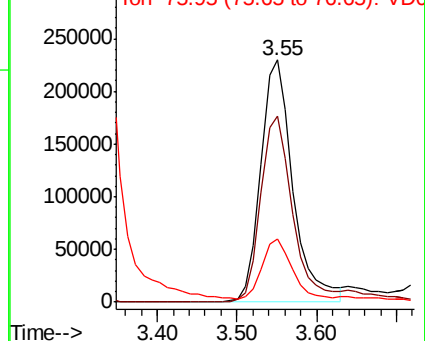
41 100

39 76.7 60.4 90.6

76 26.0 21.8 32.8



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 252.157 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

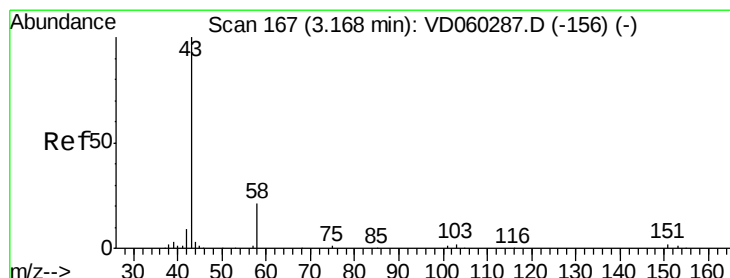
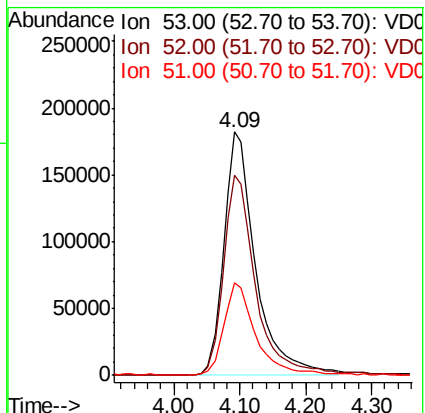
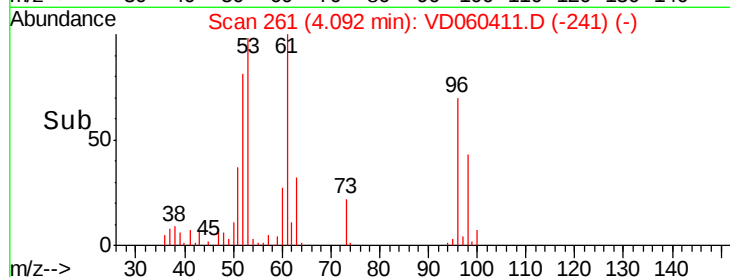
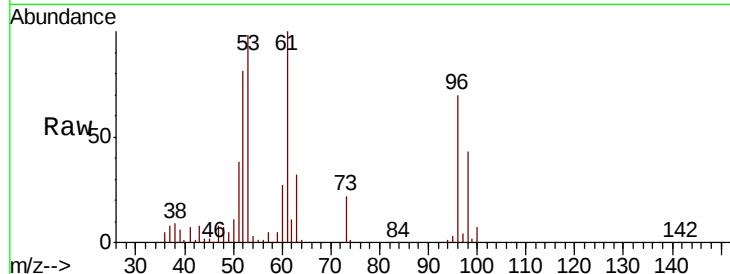
Tot Ion: 53 Resp: 613388

Ion Ratio Lower Upper

53 100

52 82.2 67.0 100.4

51 38.2 29.9 44.9



#16

Acetone

Concen: 231.520 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060411.D

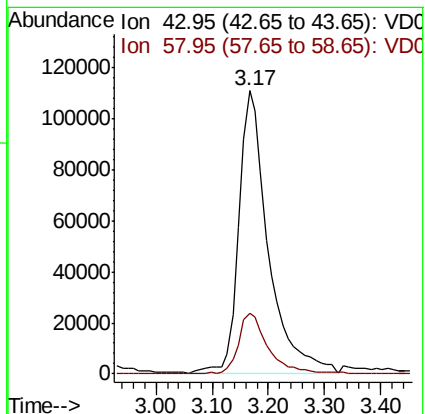
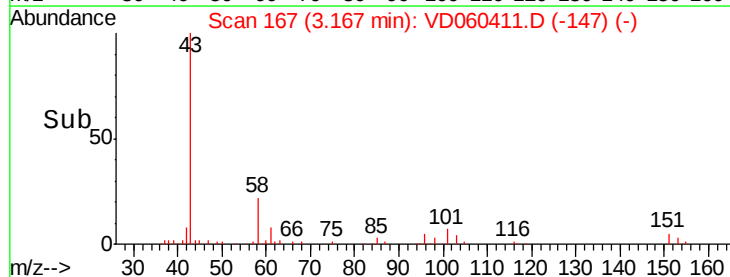
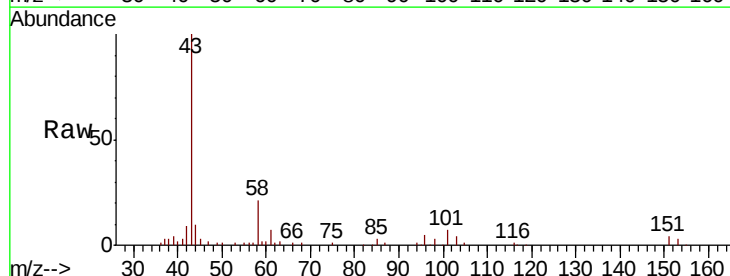
Acq: 19 Nov 2018 12:13

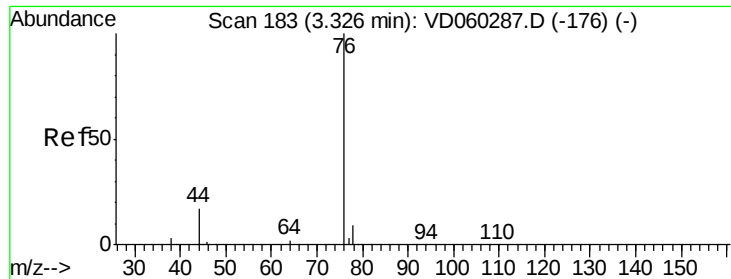
Tgt Ion: 43 Resp: 407961

Ion Ratio Lower Upper

43 100

58 21.5 16.9 25.3

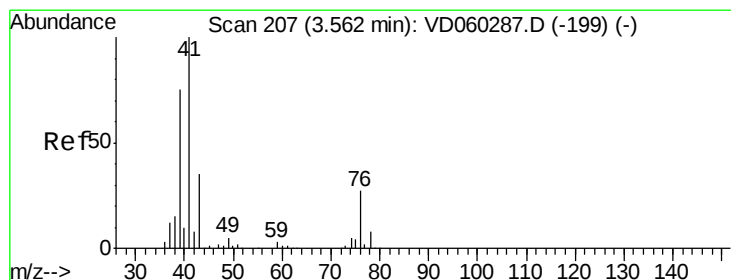
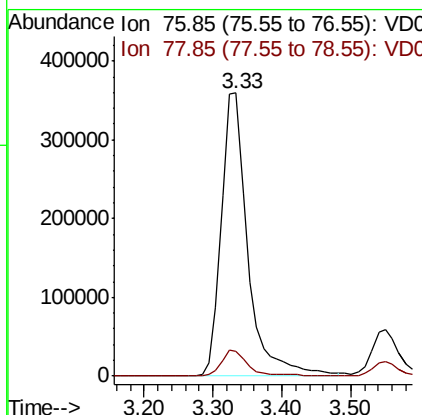
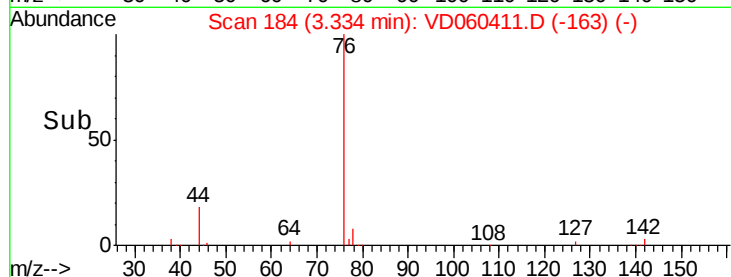
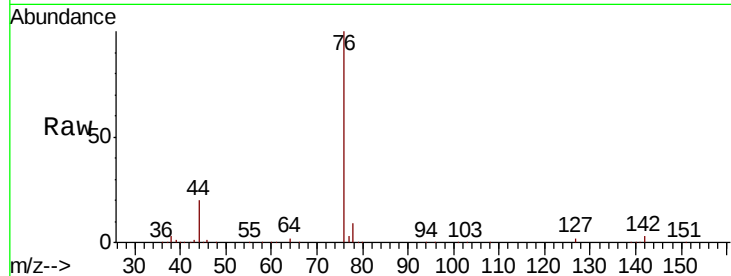




#17
Carbon Disulfide
Concen: 43.127 ug/l
RT: 3.33 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

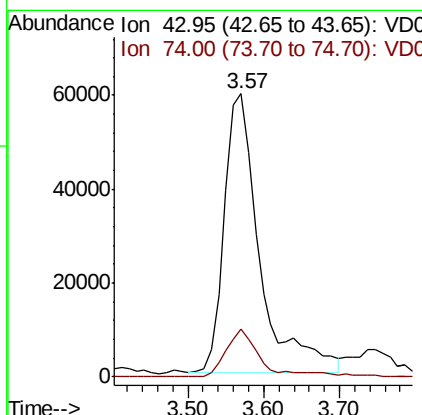
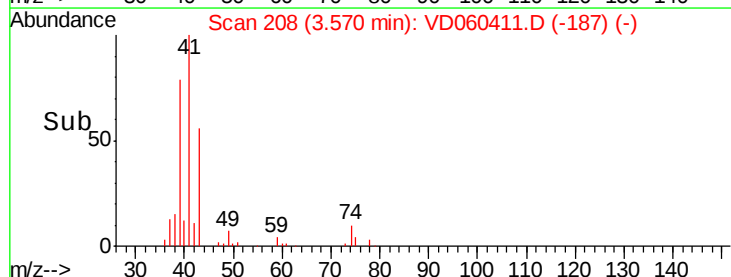
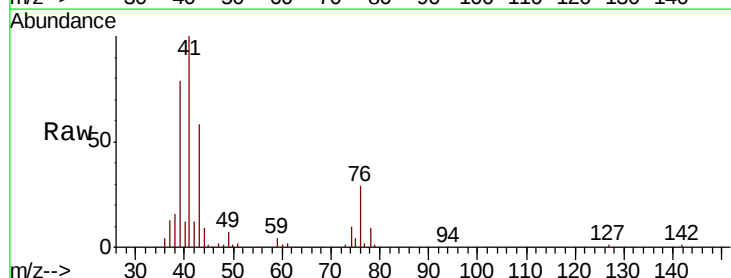
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

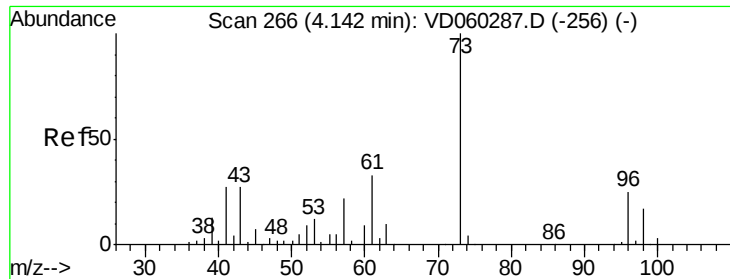
Tot Ion: 76 Resp: 963652
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4



#18
Methyl Acetate
Concen: 51.451 ug/l
RT: 3.57 min Scan# 208
Delta R.T. 0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Tgt Ion: 43 Resp: 193313
Ion Ratio Lower Upper
43 100
74 17.1 12.4 18.6

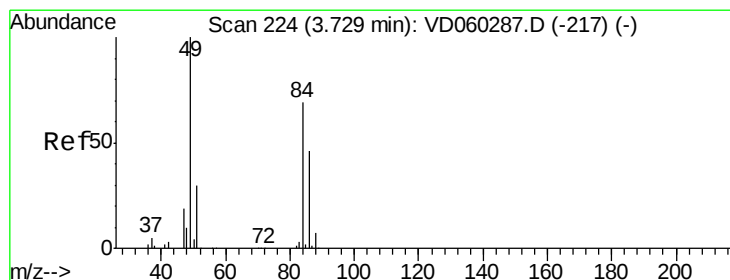
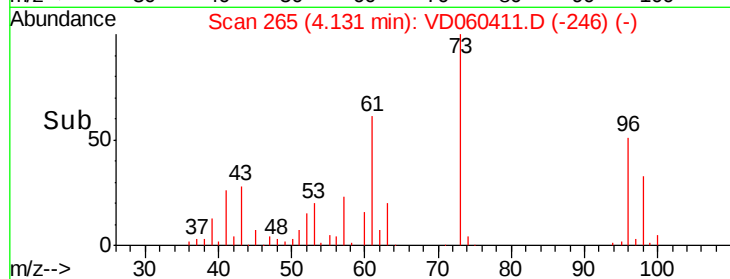
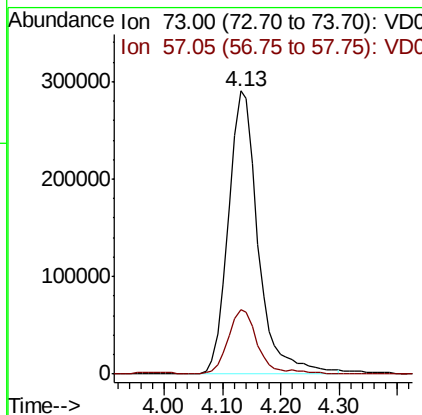
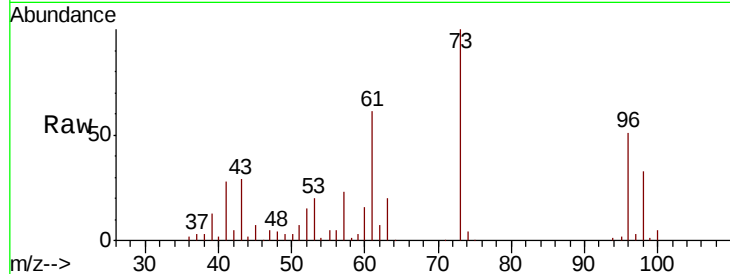




#19
Methyl tert-butyl Ether
Concen: 49.919 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

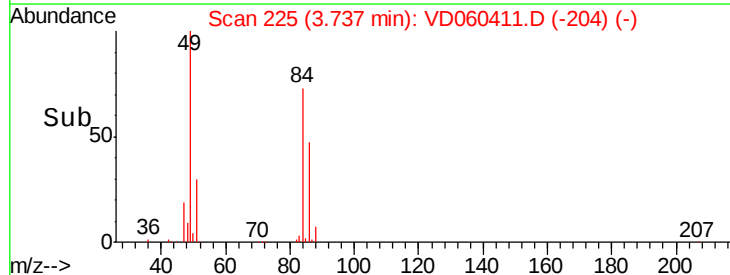
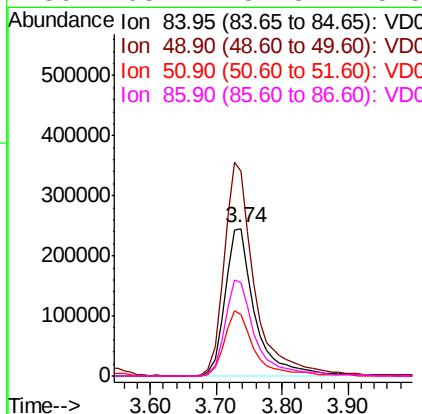
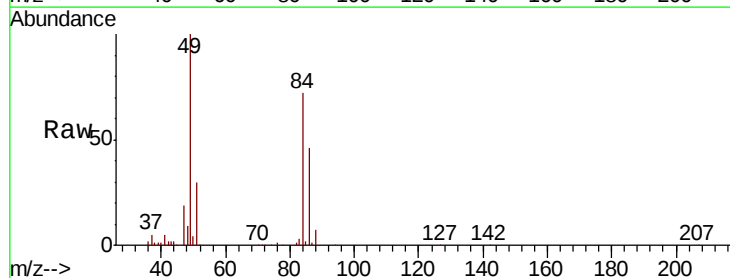
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

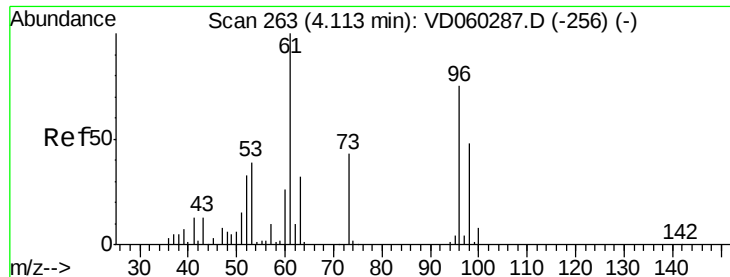
Tot Ion: 73 Resp: 1034762
Ion Ratio Lower Upper
73 100
57 23.0 18.1 27.1



#20
Methylene Chloride
Concen: 49.938 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Tgt Ion: 84 Resp: 780586
Ion Ratio Lower Upper
84 100
49 139.3 115.6 173.4
51 41.9 35.6 53.4
86 63.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 49.651 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

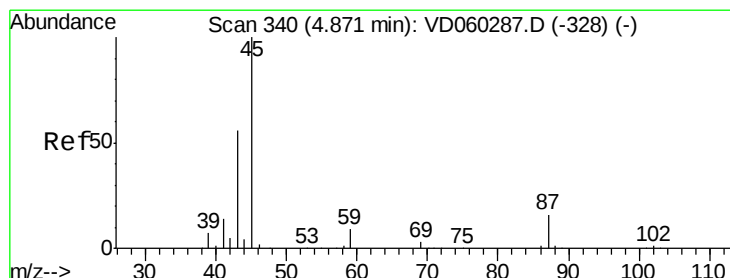
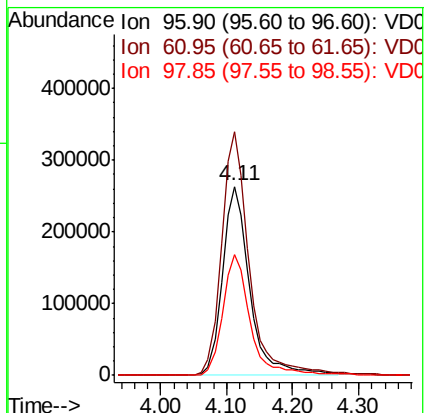
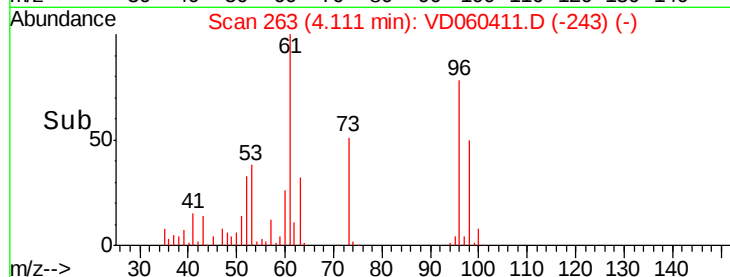
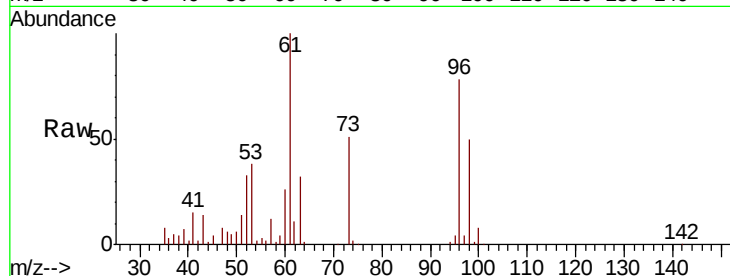
Tot Ion: 96 Resp: 763163

Ion Ratio Lower Upper

96 100

61 128.8 105.8 158.6

98 64.2 50.8 76.2



#22

Diisopropyl ether

Concen: 50.069 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Tgt Ion: 45 Resp: 2477736

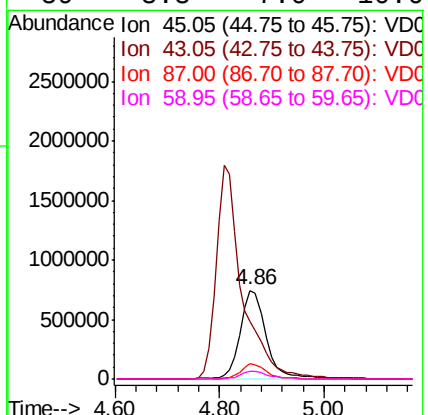
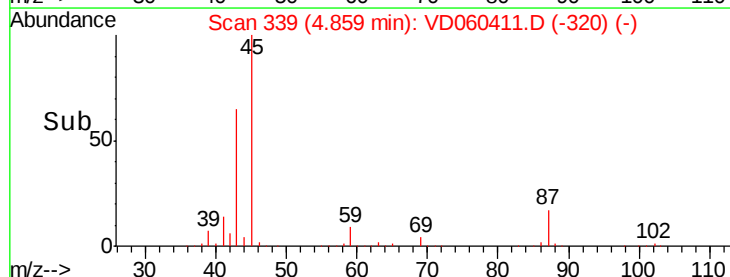
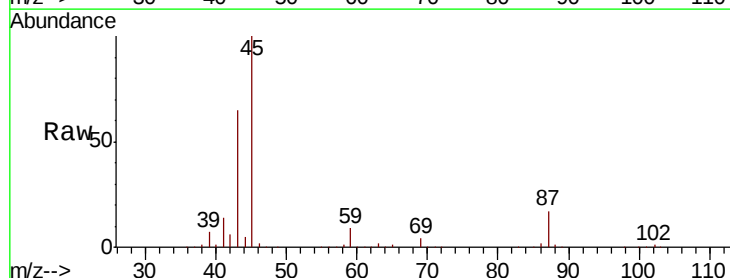
Ion Ratio Lower Upper

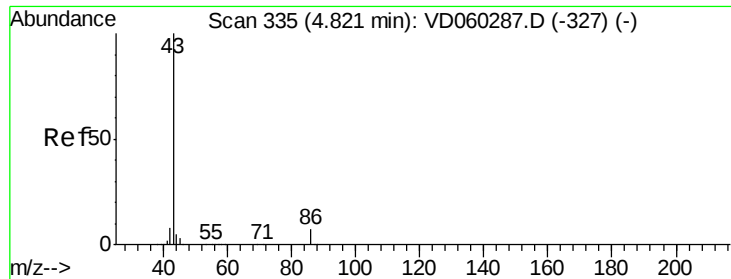
45 100

43 64.7 44.9 67.3

87 17.4 13.9 20.9

59 8.8 7.0 10.6





#23

Vinyl Acetate

Concen: 249.886 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

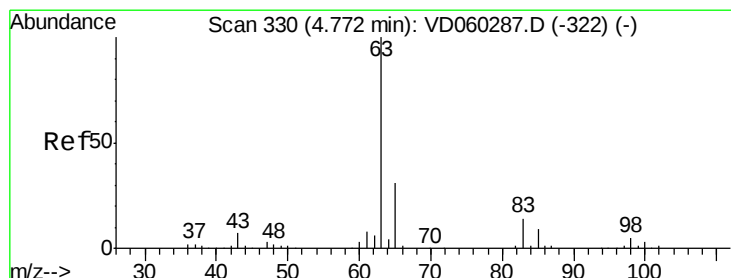
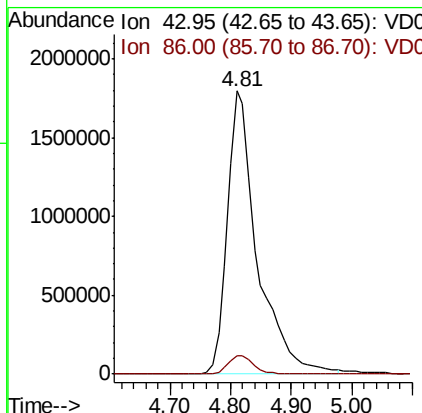
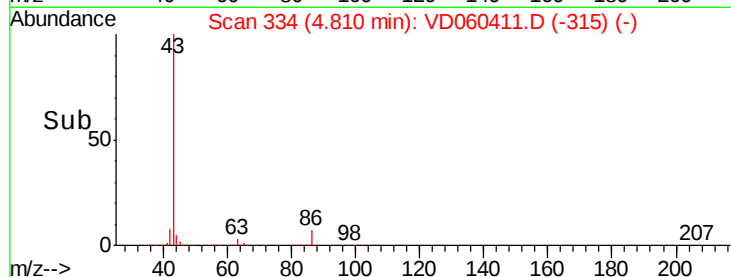
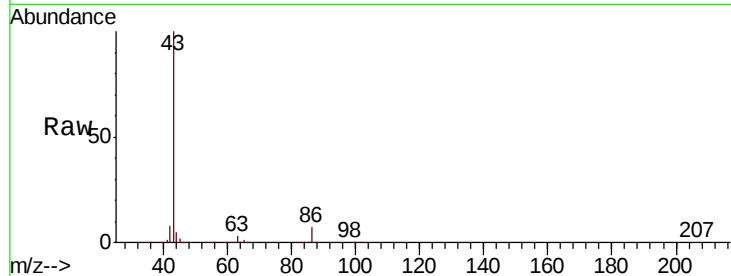
VSTDCCC050

Tot Ion: 43 Resp: 6153070

Ion Ratio Lower Upper

43 100

86 6.7 5.7 8.5



#24

1,1-Dichloroethane

Concen: 49.998 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

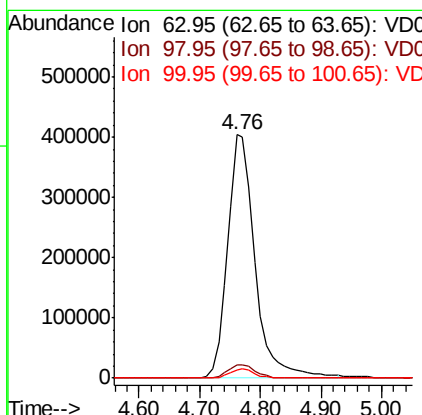
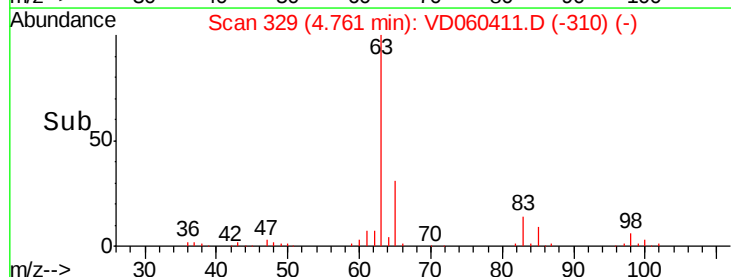
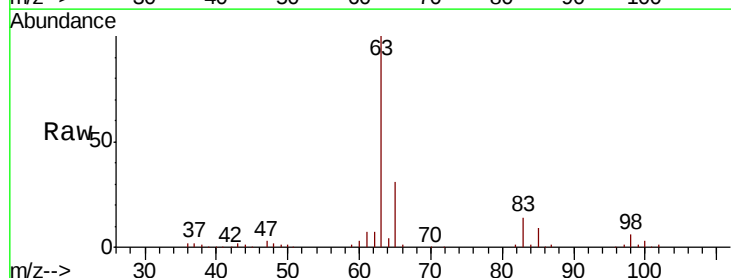
Tgt Ion: 63 Resp: 1268763

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.5 1.8 5.5





#25

2-Butanone

Concen: 238.243 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

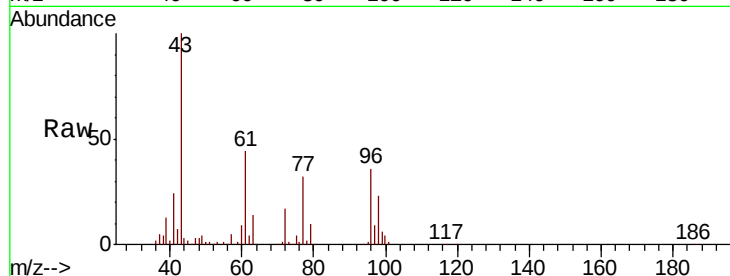
VSTDCCC050

Tot Ion: 43 Resp: 872597

Ion Ratio Lower Upper

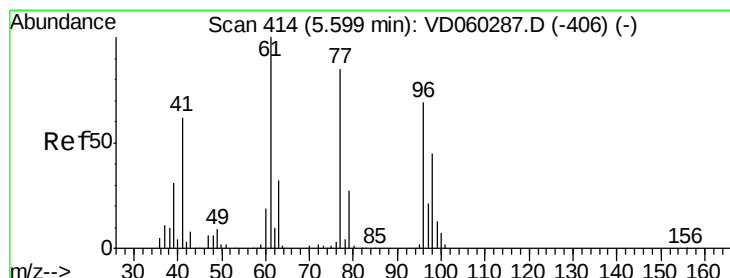
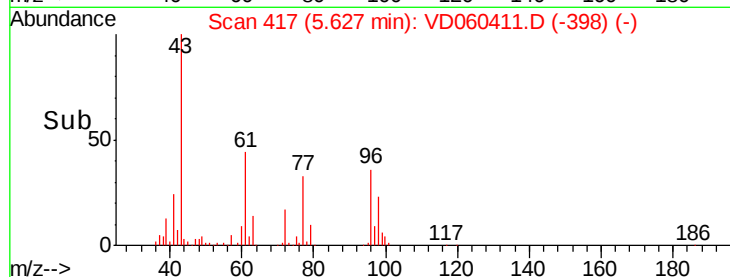
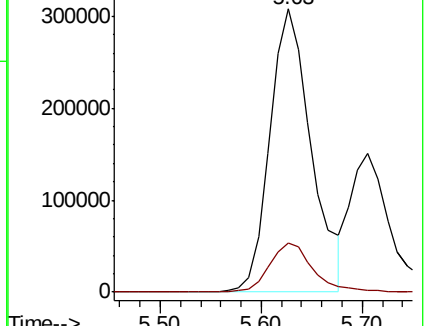
43 100

72 17.4 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.407 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.00 min

Lab File: VD060411.D

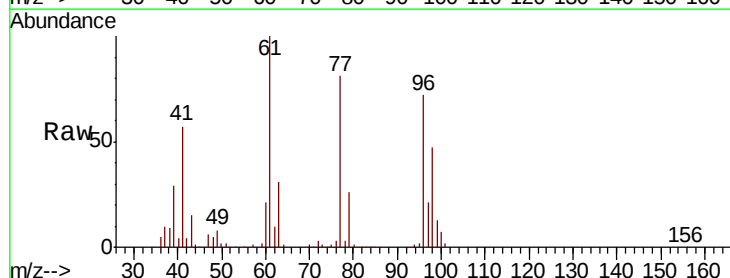
Acq: 19 Nov 2018 12:13

Tgt Ion: 77 Resp: 1033937

Ion Ratio Lower Upper

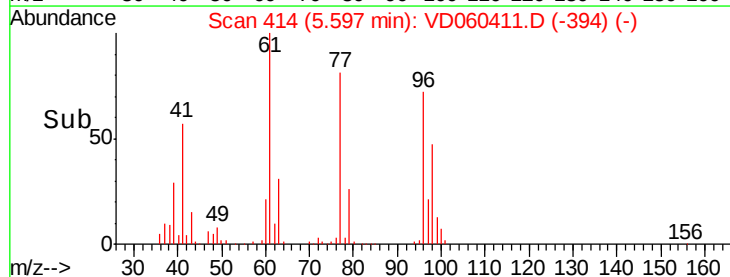
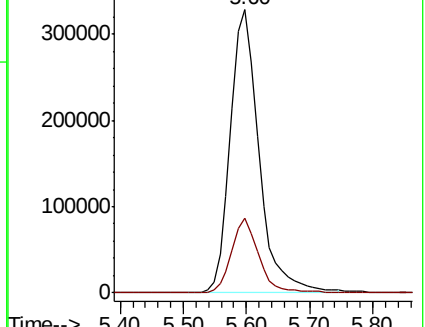
77 100

97 26.5 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



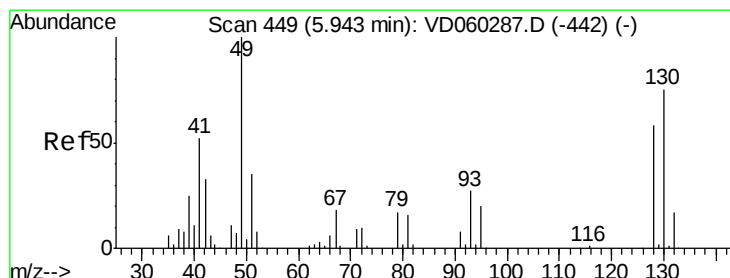
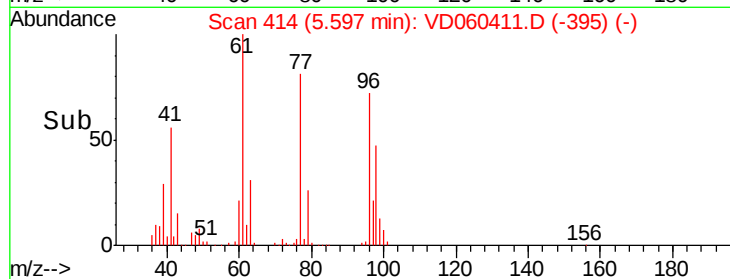
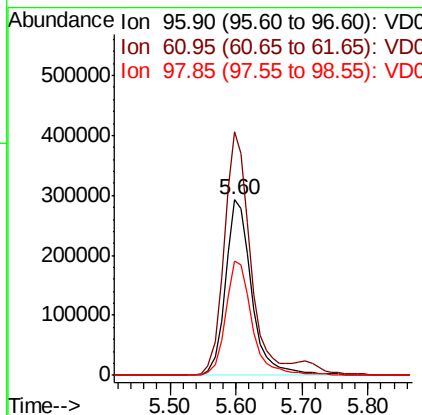
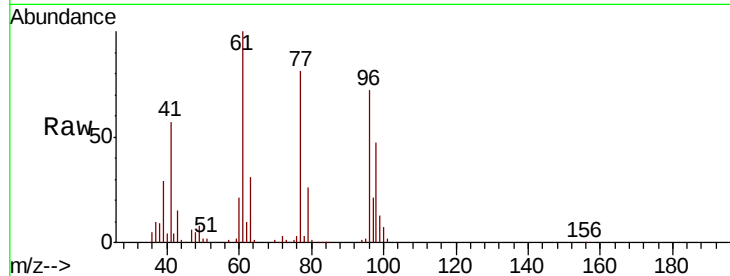


#27

cis-1,2-Dichloroethene
Concen: 50.931 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

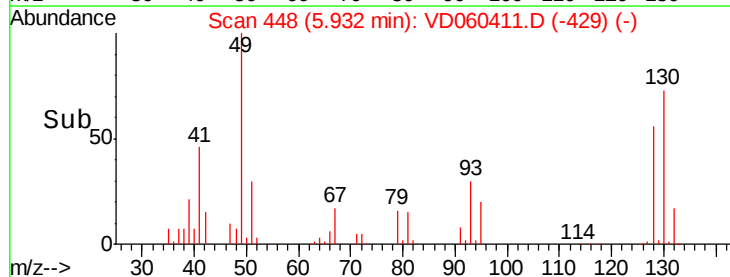
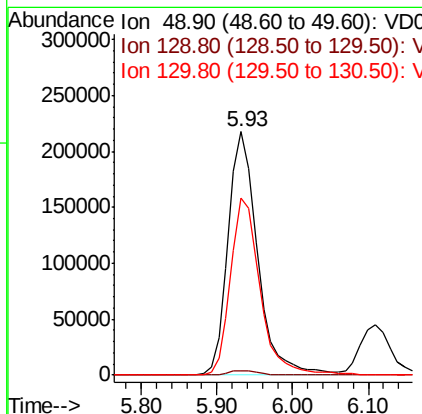
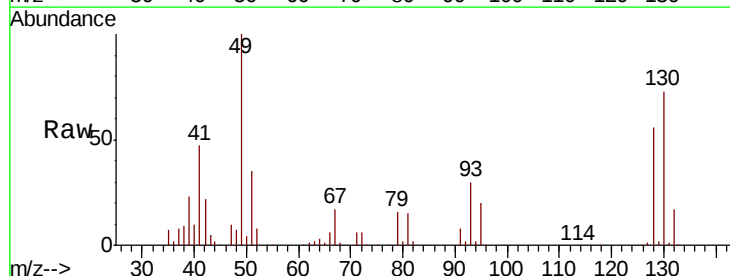
Tot Ion: 96 Resp: 815550
Ion Ratio Lower Upper
96 100
61 138.9 0.0 259.0
98 65.2 0.0 128.8



#28

Bromochloromethane
Concen: 52.395 ug/l
RT: 5.93 min Scan# 448
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Tgt Ion: 49 Resp: 586660
Ion Ratio Lower Upper
49 100
129 1.7 0.0 2.8
130 72.6 53.6 80.4





#29

Tetrahydrofuran

Concen: 235.106 ug/l

RT: 5.96 min Scan# 451

Delta R.T. -0.00 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

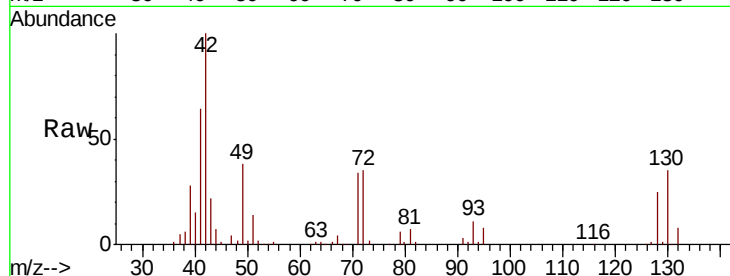
Tot Ion: 42 Resp: 453999

Ion Ratio Lower Upper

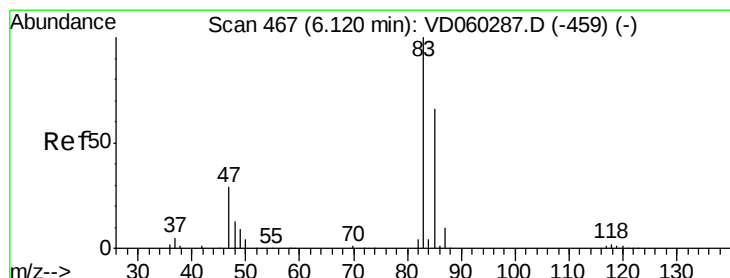
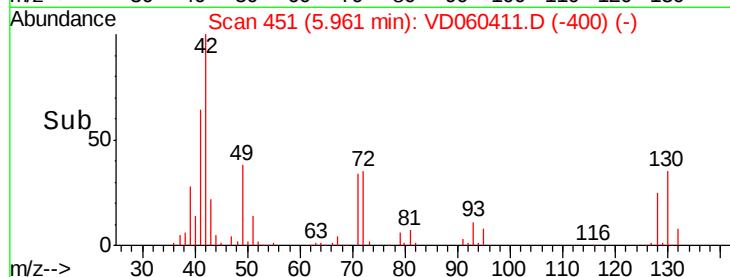
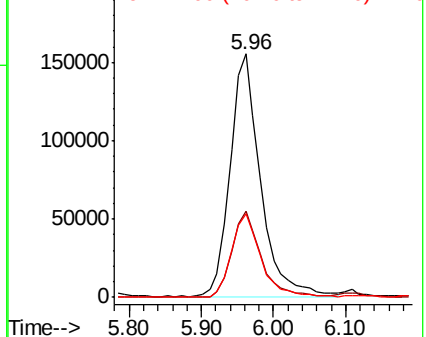
42 100

72 34.3 27.6 41.4

71 33.6 26.5 39.7



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: 50.699 ug/l

RT: 6.11 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD060411.D

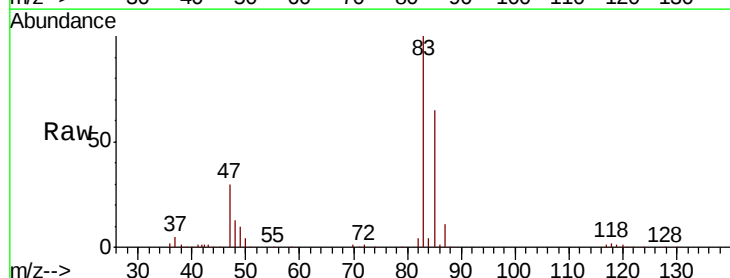
Acq: 19 Nov 2018 12:13

Tgt Ion: 83 Resp: 1286175

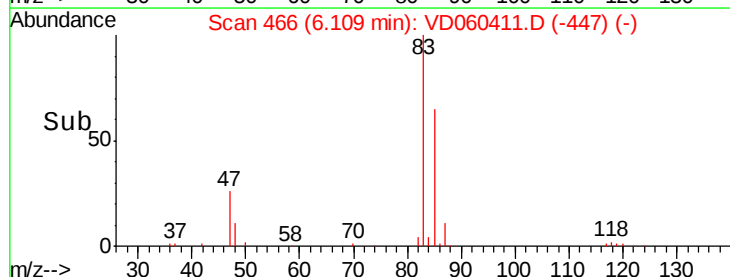
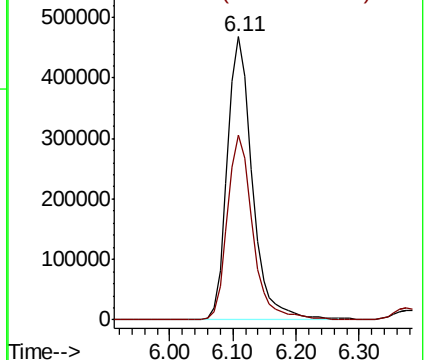
Ion Ratio Lower Upper

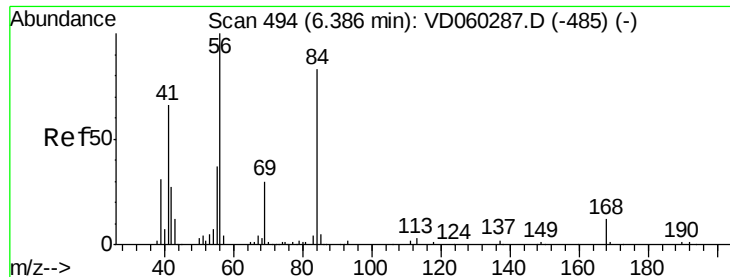
83 100

85 65.1 52.5 78.7



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

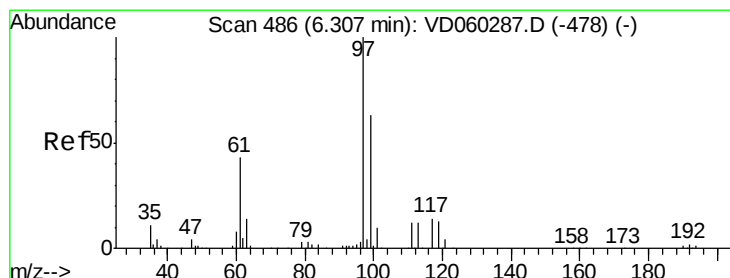
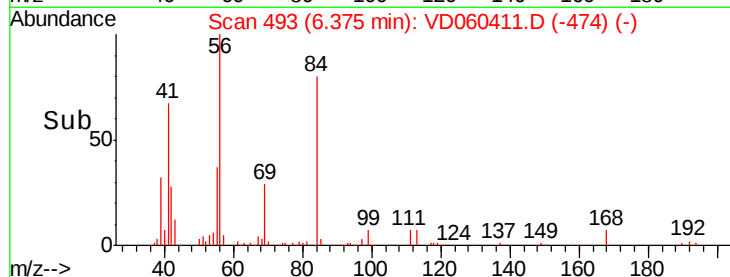
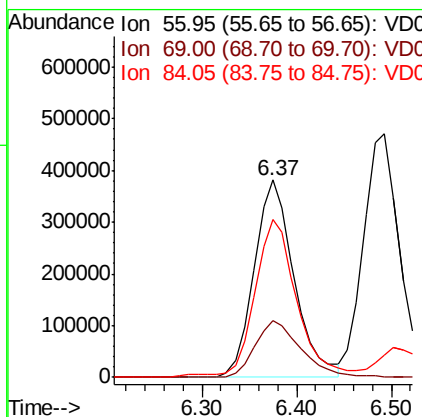
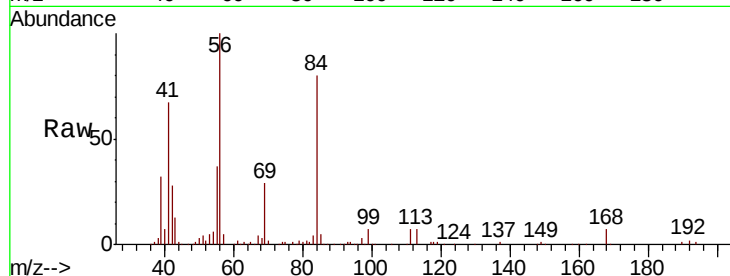




#31
Cvclohexane
Concen: 46.043 ug/l
RT: 6.37 min Scan# 493
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

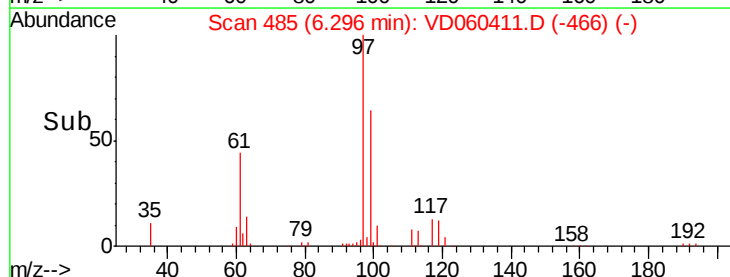
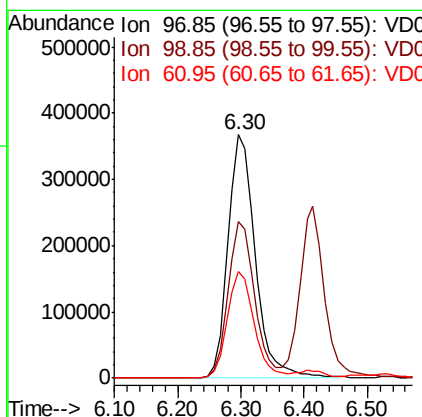
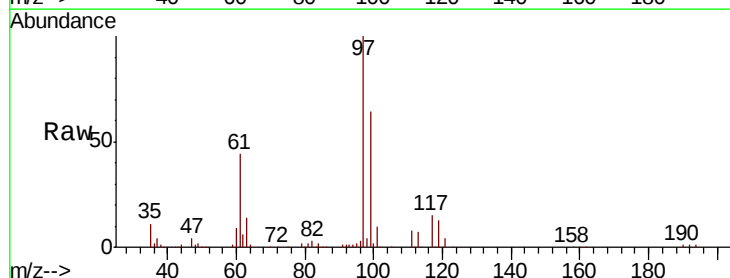
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

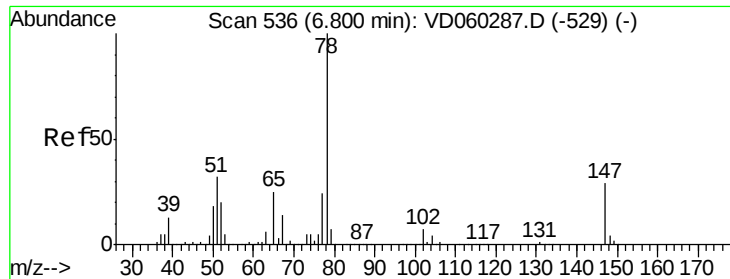
Tot Ion: 56 Resp: 1116747
Ion Ratio Lower Upper
56 100
69 29.0 22.2 33.2
84 80.1 63.0 94.4



#32
1,1,1-Trichloroethane
Concen: 51.285 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Tgt Ion: 97 Resp: 1095923
Ion Ratio Lower Upper
97 100
99 64.3 51.5 77.3
61 43.9 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 51.285 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

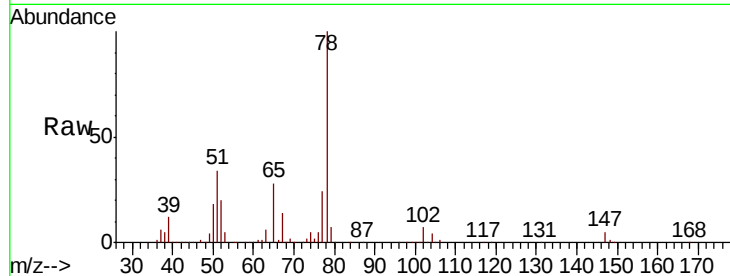
VSTDCCC050

Tot Ion: 65 Resp: 493921

Ion Ratio Lower Upper

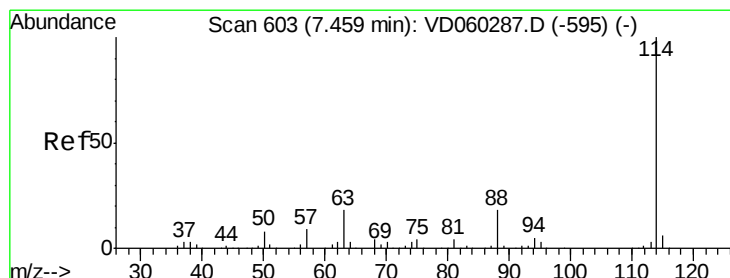
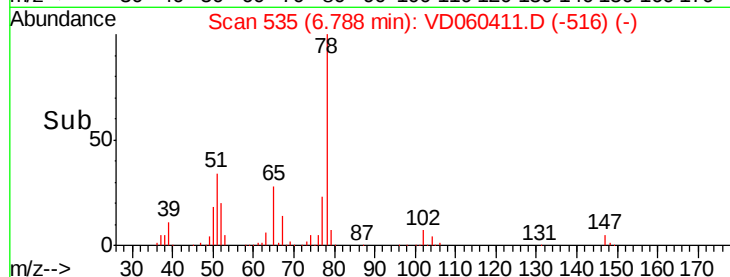
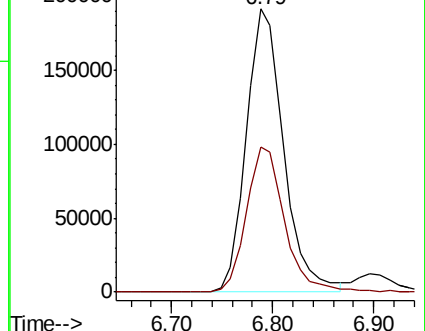
65 100

67 51.2 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

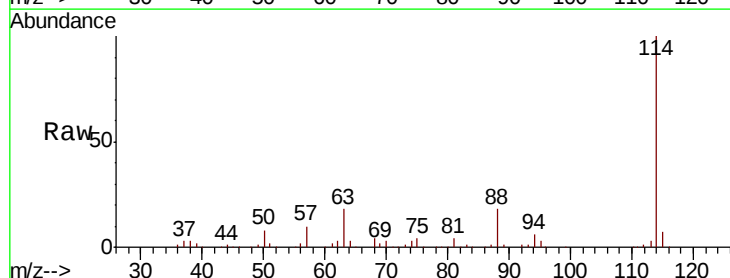
Tgt Ion: 114 Resp: 2017208

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.0

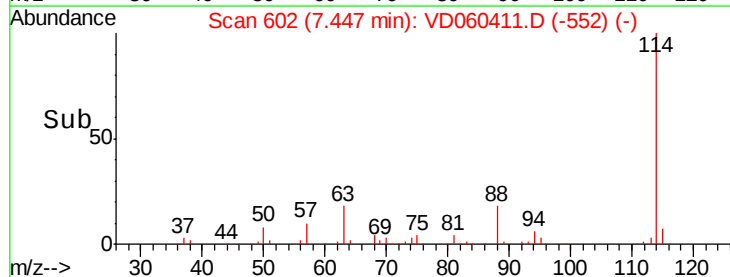
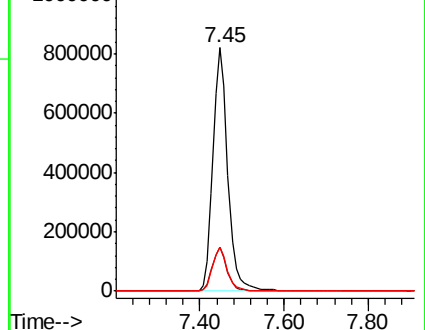
88 18.2 0.0 35.4

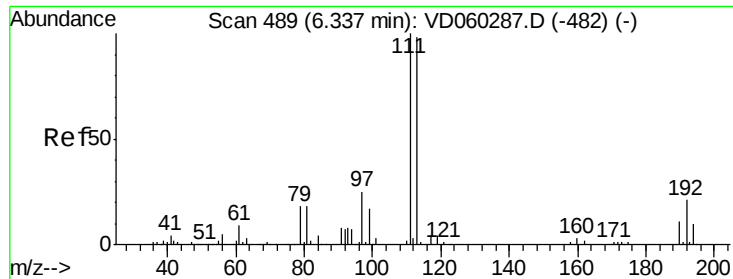


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

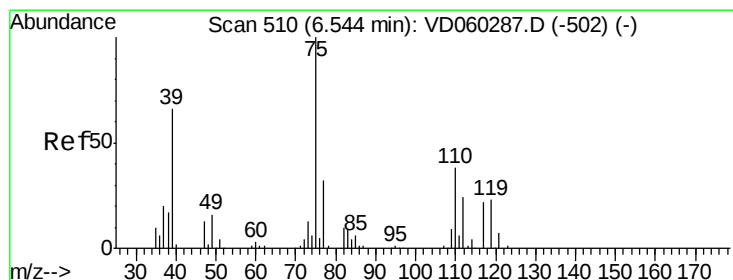
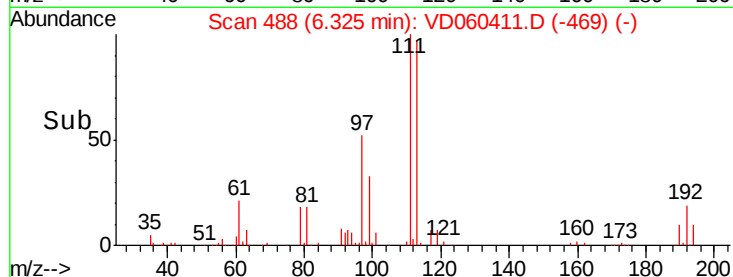
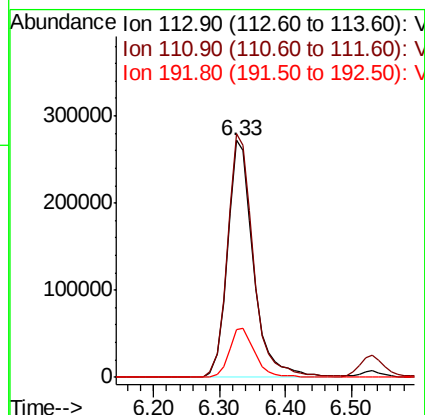
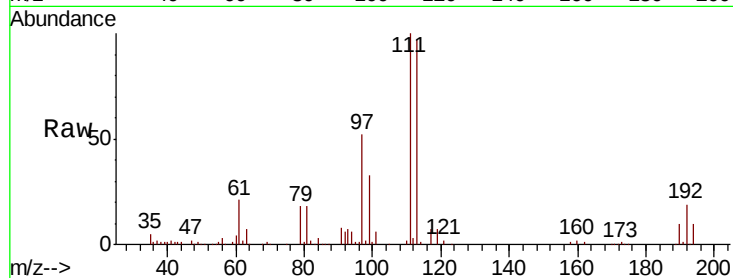




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

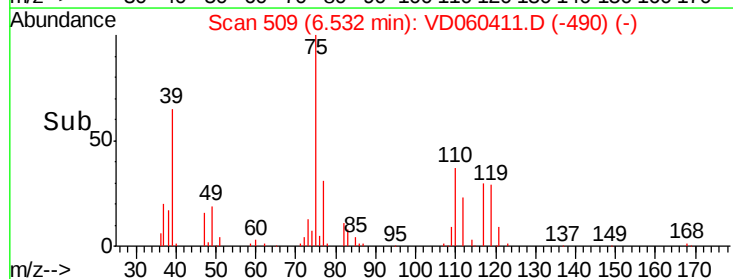
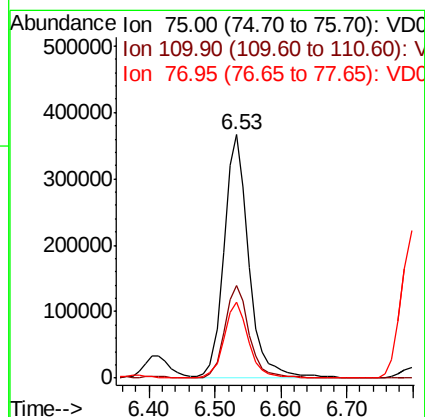
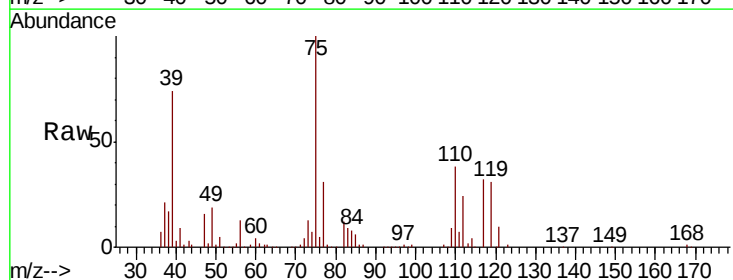
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

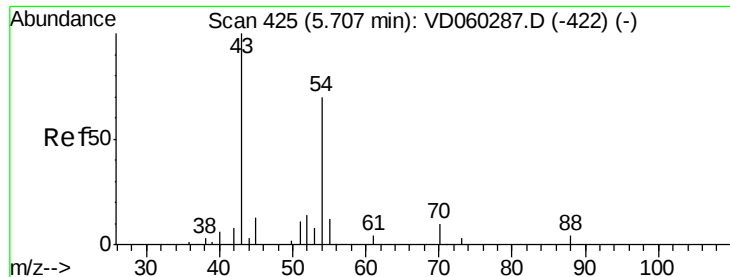
Tot Ion:113 Resp: 747364
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.6 122.4
 192 20.1 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 47.594 ug/l
 RT: 6.53 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

Tgt Ion: 75 Resp: 948505
 Ion Ratio Lower Upper
 75 100
 110 38.1 18.0 54.0
 77 31.1 25.6 38.4

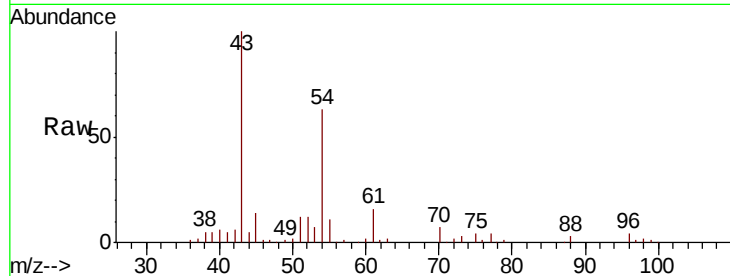




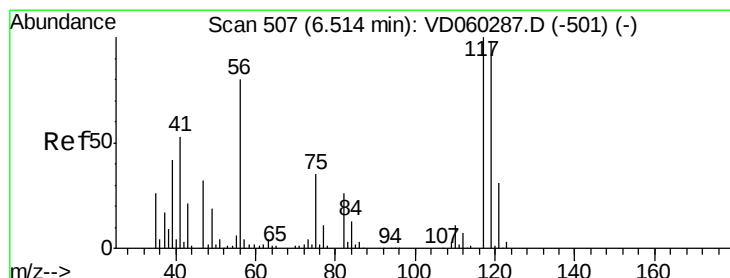
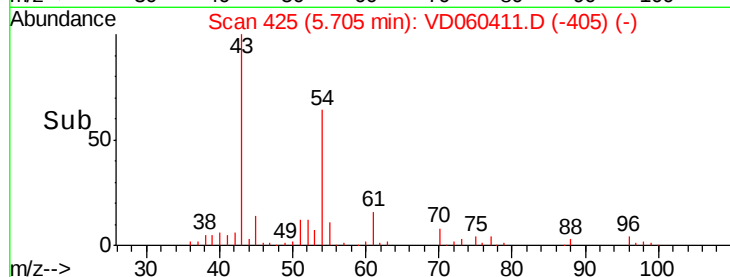
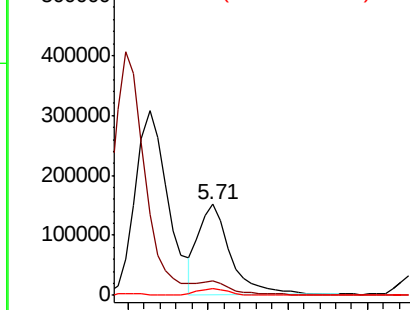
#37
Ethyl Acetate
Concen: 45.625 ug/l
RT: 5.71 min Scan# 425
Delta R.T. -0.00 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 418407
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.6
70 7.5 6.2 9.4

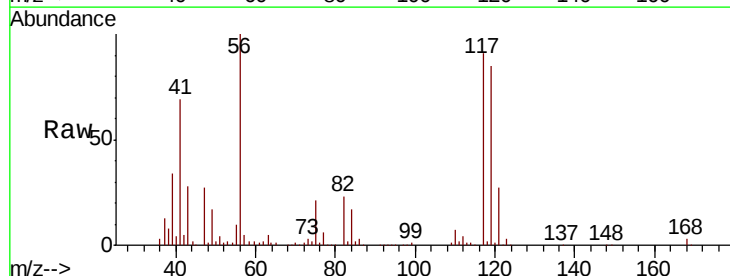


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

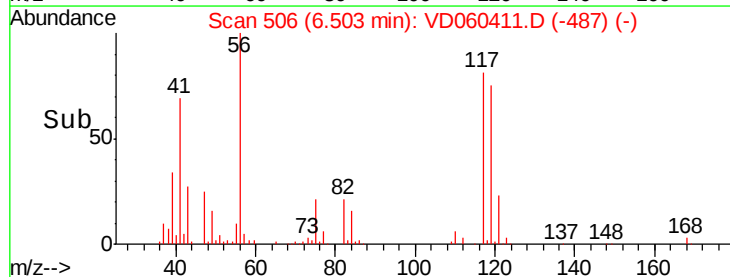
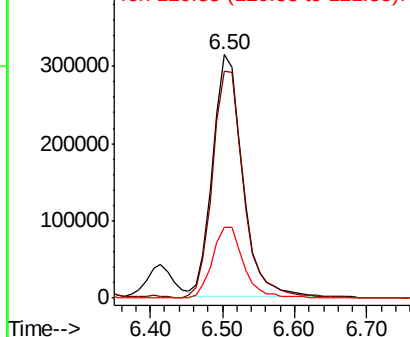


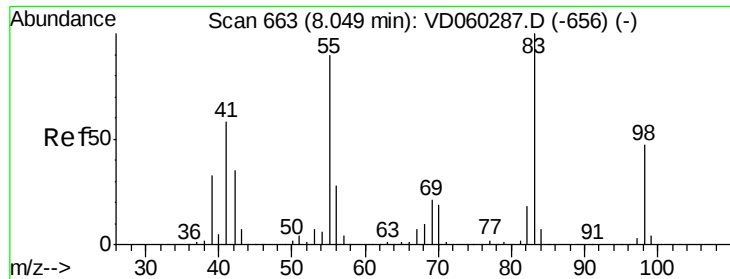
#38
Carbon Tetrachloride
Concen: 48.658 ug/l
RT: 6.50 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Tgt Ion: 117 Resp: 899538
Ion Ratio Lower Upper
117 100
119 93.0 76.6 115.0
121 29.3 24.3 36.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

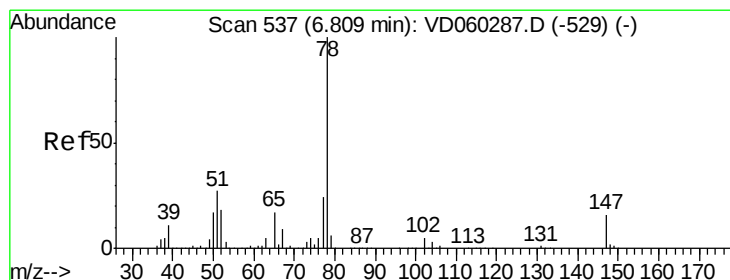
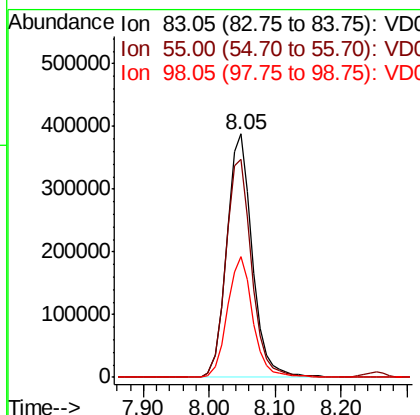
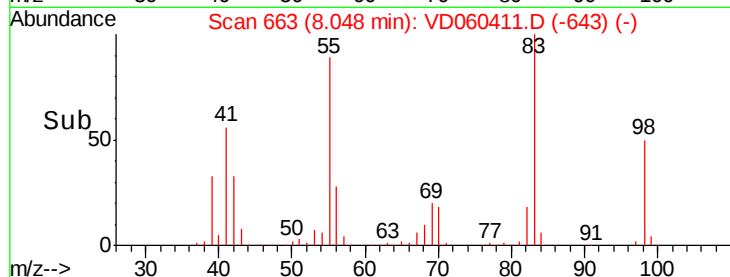
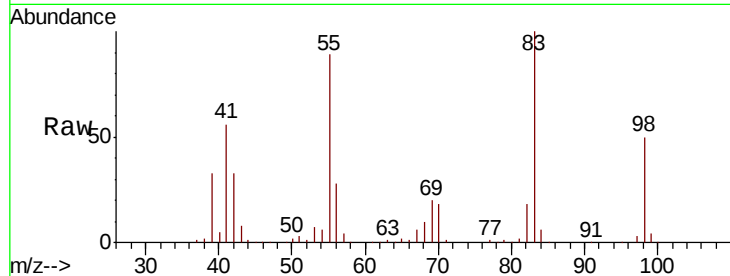




#39
Methvlcvclohexane
Concen: 46.074 ug/l
RT: 8.05 min Scan# 663
Delta R.T. -0.00 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

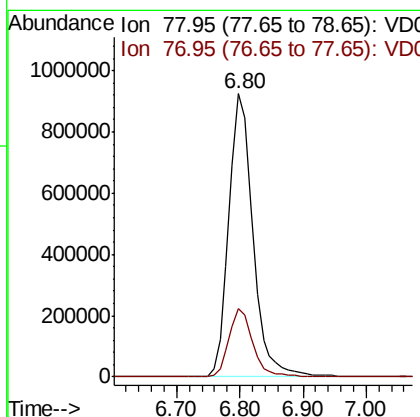
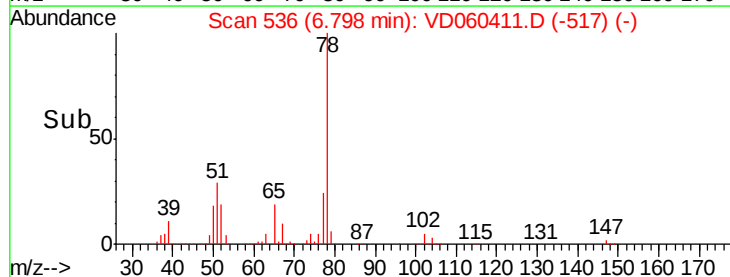
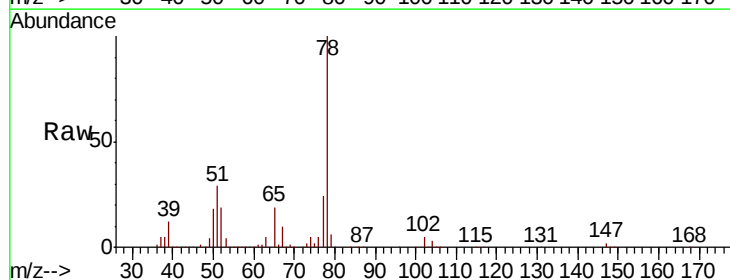
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

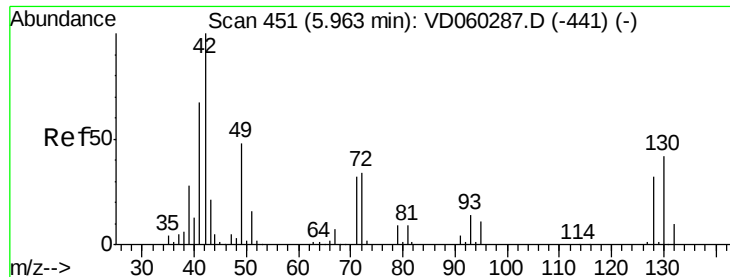
Tot Ion: 83 Resp: 1056082
Ion Ratio Lower Upper
83 100
55 89.4 71.2 106.8
98 49.7 38.4 57.6



#40
Benzene
Concen: 48.098 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Tgt Ion: 78 Resp: 2446806
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

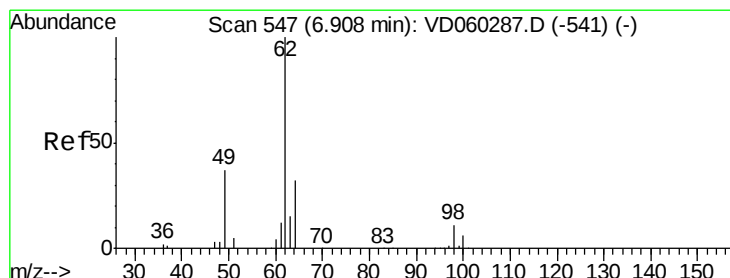
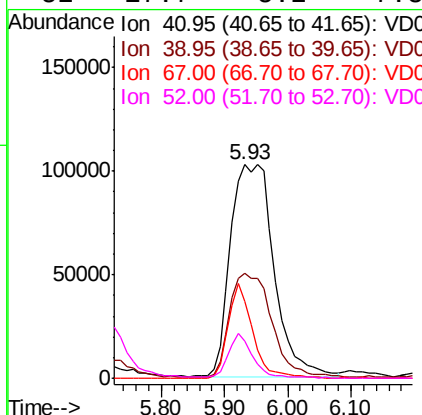
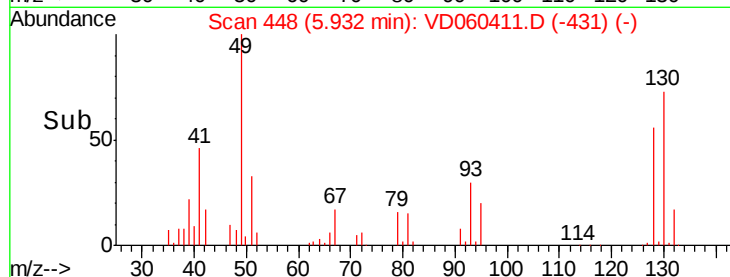
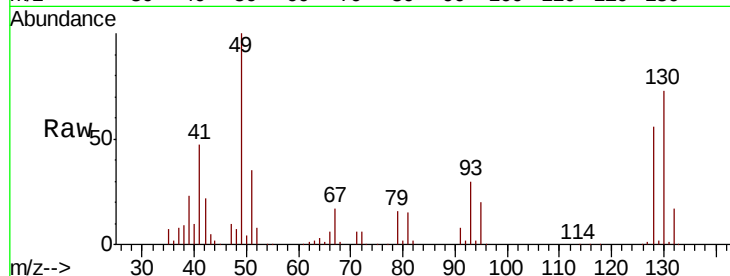




#41
Methacrylonitrile
Concen: 46.658 ug/l
RT: 5.93 min Scan# 448
Delta R.T. -0.03 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

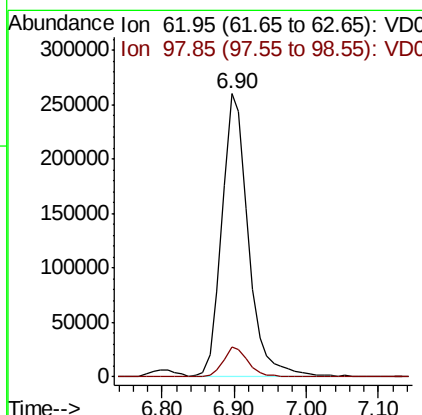
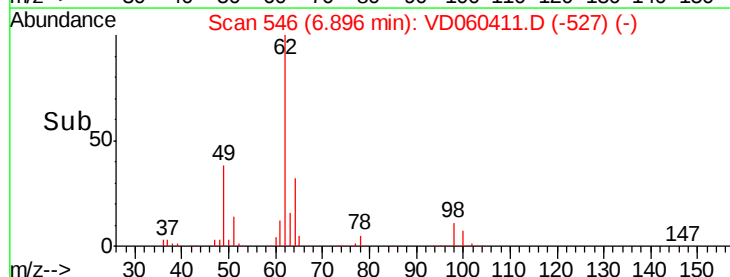
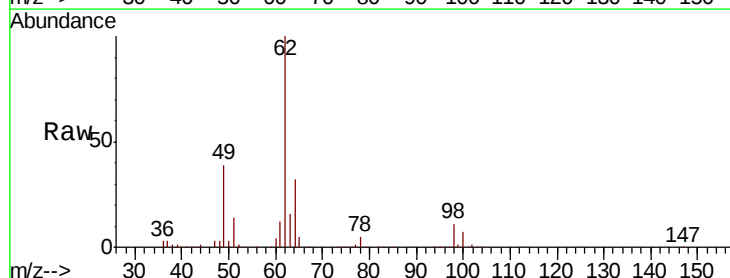
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

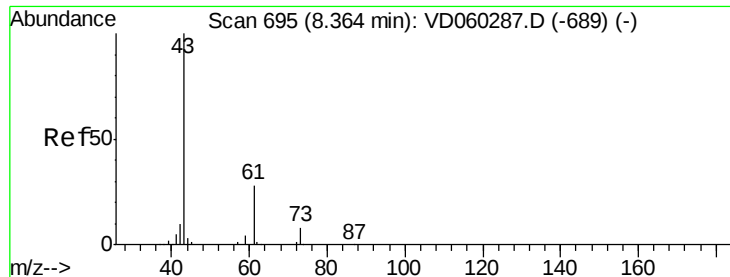
Tot Ion: 41 Resp: 489733
Ion Ratio Lower Upper
41 100
39 48.9 36.2 54.2
67 36.0 11.9 17.9#
52 17.7 5.2 7.8#



#42
1,2-Dichloroethane
Concen: 49.010 ug/l
RT: 6.90 min Scan# 546
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Tgt Ion: 62 Resp: 652585
Ion Ratio Lower Upper
62 100
98 10.8 0.0 22.0





#43

Isopropyl Acetate

Concen: 47.103 ug/l

RT: 8.35 min Scan# 694

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

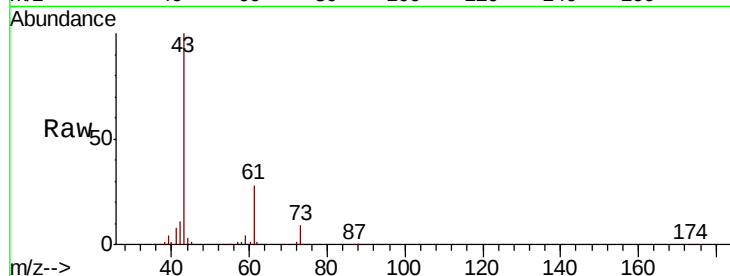
Tot Ion: 43 Resp: 542603

Ion Ratio Lower Upper

43 100

61 27.8 22.3 33.5

87 0.3 0.2 0.2#

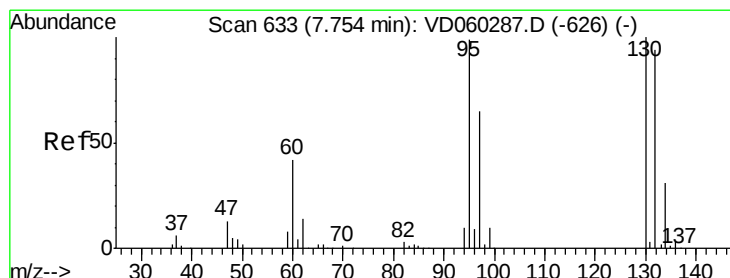
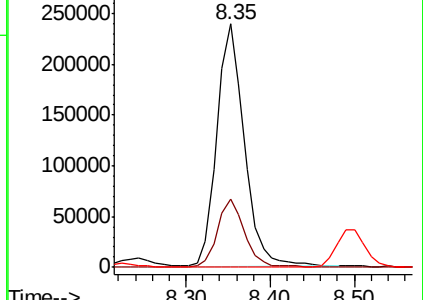
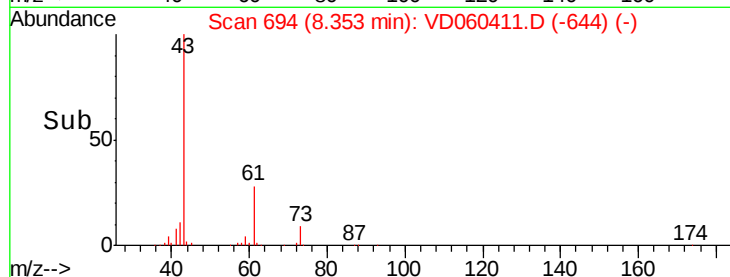


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

Time-->



#44

Trichloroethene

Concen: 49.576 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060411.D

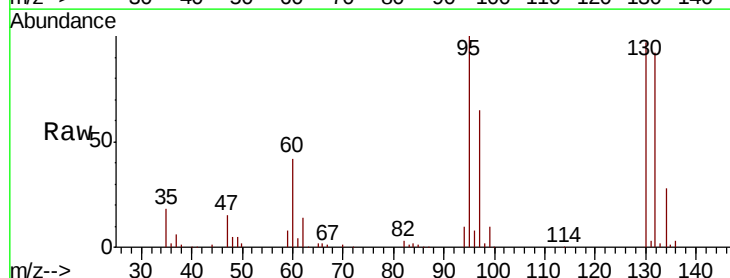
Acq: 19 Nov 2018 12:13

Tgt Ion:130 Resp: 764510

Ion Ratio Lower Upper

130 100

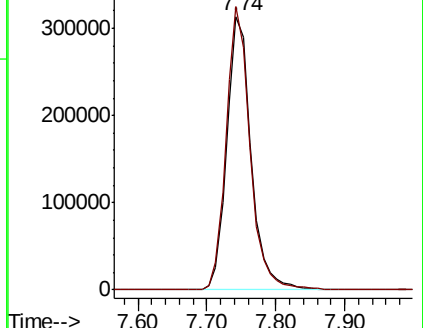
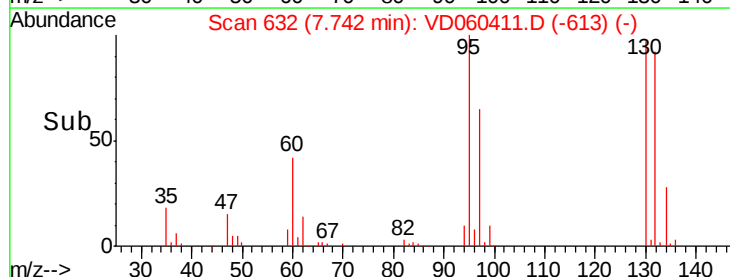
95 103.6 0.0 200.0

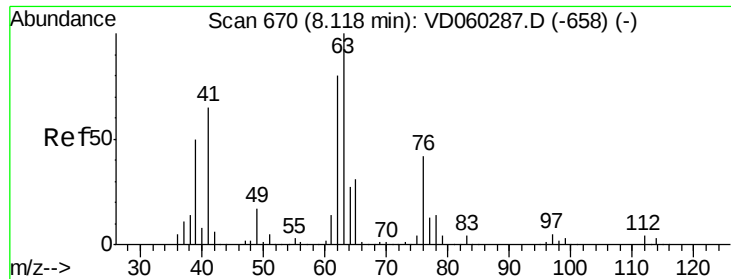


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

Time-->





#45

1,2-Dichloropropane

Concen: 49.215 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

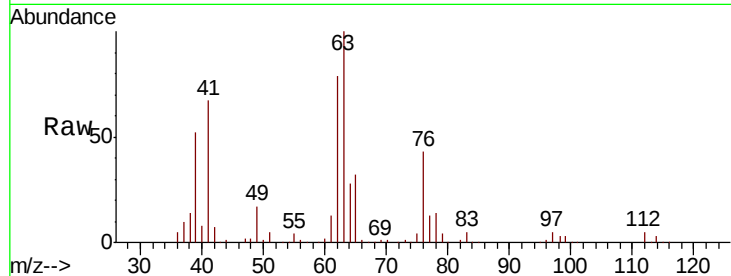
VSTDCCC050

Tot Ion: 63 Resp: 631421

Ion Ratio Lower Upper

63 100

65 31.5 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.11

250000

200000

150000

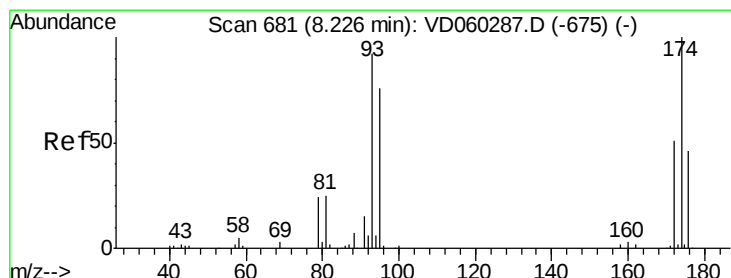
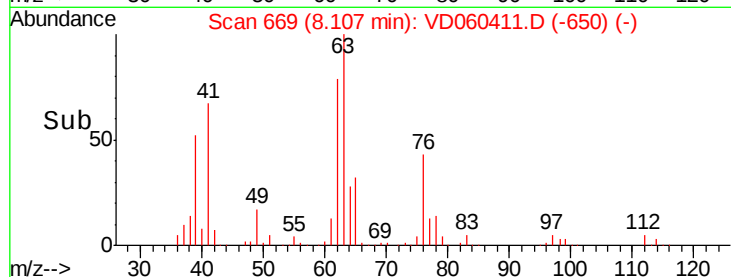
100000

50000

0

Time-->

7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 49.040 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

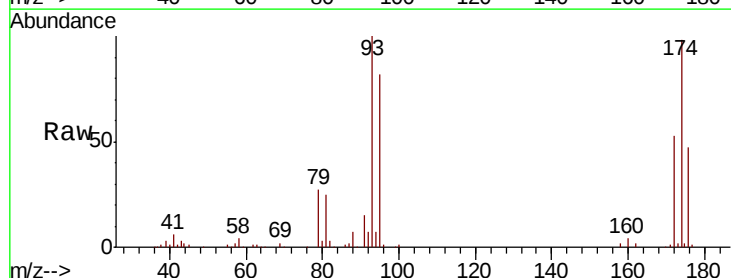
Tgt Ion: 93 Resp: 368496

Ion Ratio Lower Upper

93 100

95 82.2 66.4 99.6

174 98.1 87.8 131.8



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

250000

200000

150000

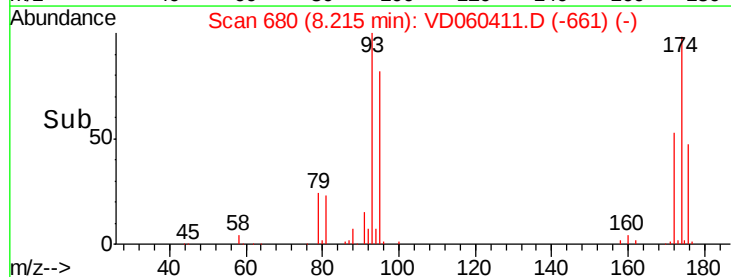
100000

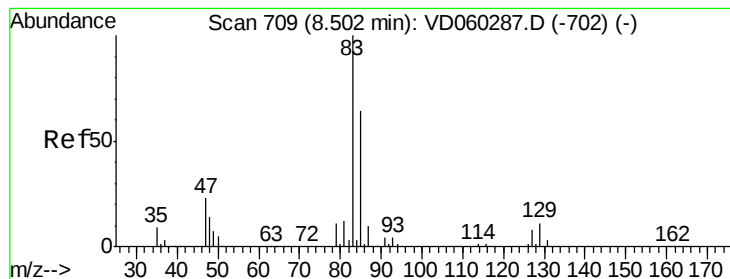
50000

0

Time-->

8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 48.720 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

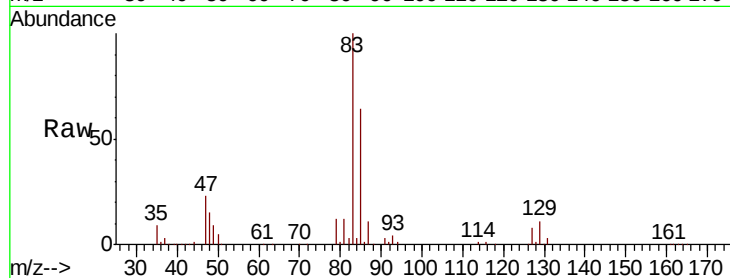
Tot Ion: 83 Resp: 862697

Ion Ratio Lower Upper

83 100

85 64.4 51.0 76.6

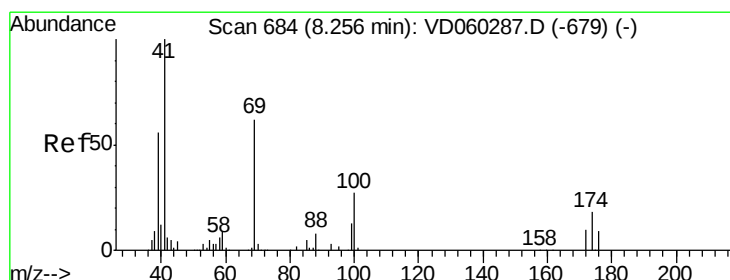
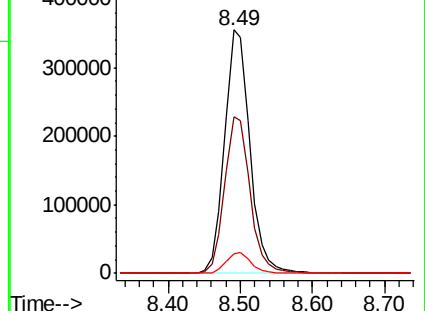
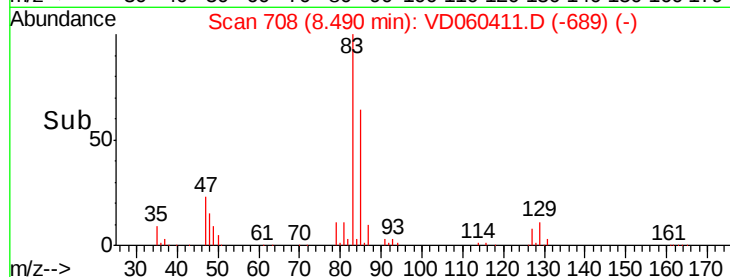
127 8.1 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 48.090 ug/l

RT: 8.24 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

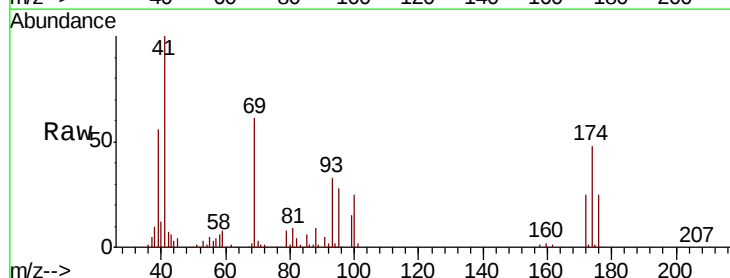
Tgt Ion: 41 Resp: 336494

Ion Ratio Lower Upper

41 100

69 60.8 47.0 70.4

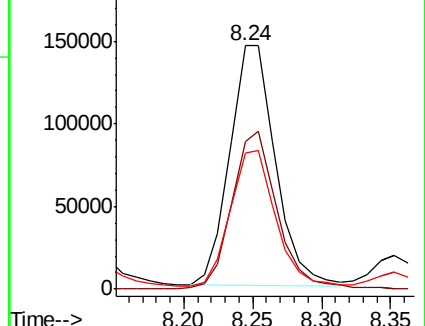
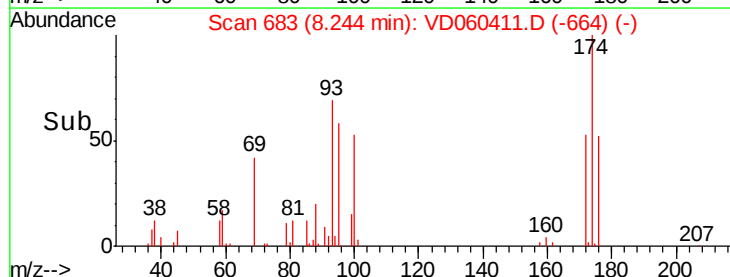
39 56.1 46.2 69.4

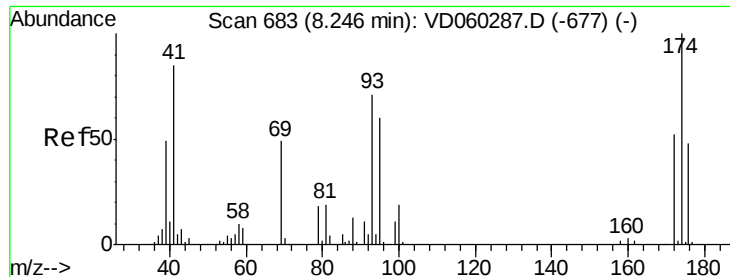


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

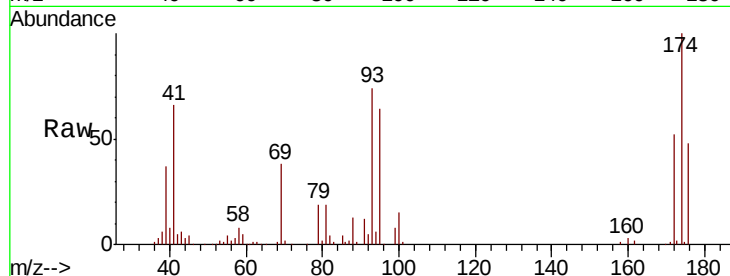




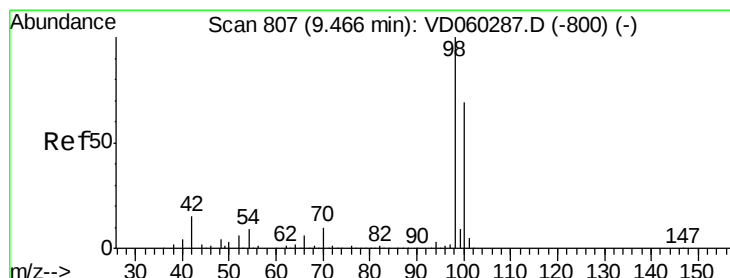
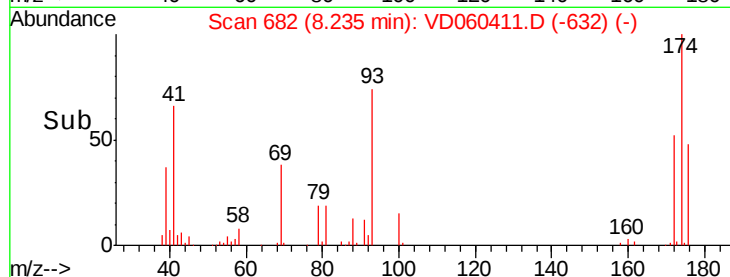
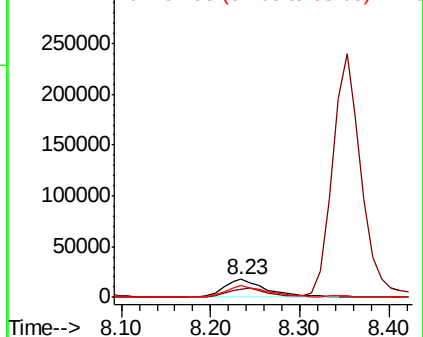
#49
1,4-Dioxane
Concen: 977.018 ug/l
RT: 8.23 min Scan# 682
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 59150
Ion Ratio Lower Upper
88 100
43 44.5 39.7 59.5
58 65.0 60.2 90.2

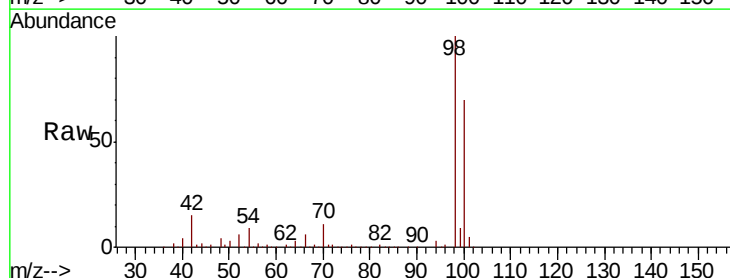


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

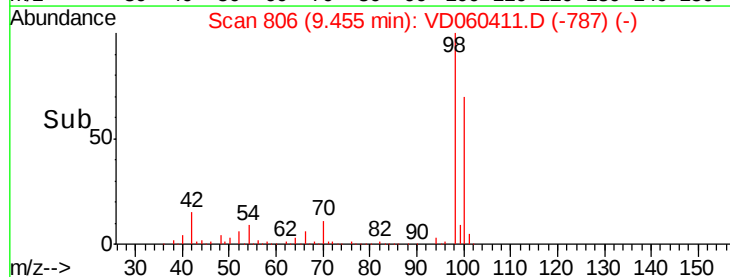
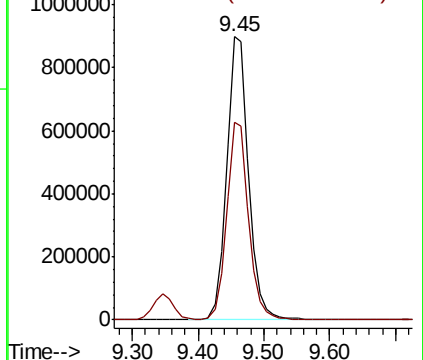


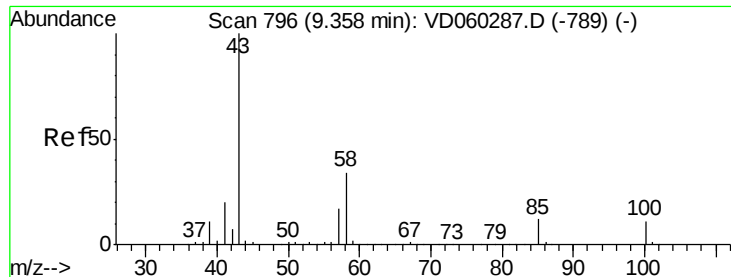
#50
Toluene-d8
Concen: 977.018 ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Tgt Ion: 98 Resp: 2084623
Ion Ratio Lower Upper
98 100
100 70.0 55.2 82.8



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: 233.955 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

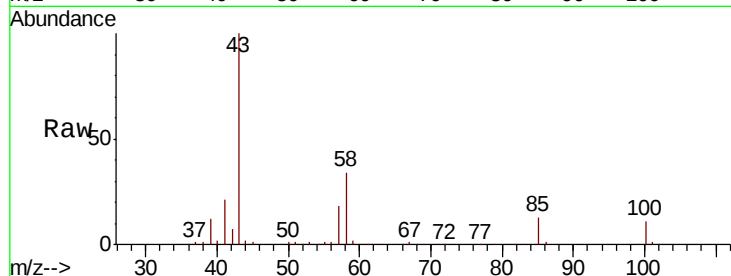
VSTDCCC050

Tot Ion: 43 Resp: 1754087

Ion Ratio Lower Upper

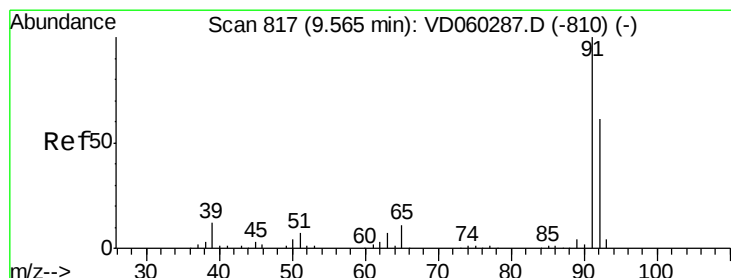
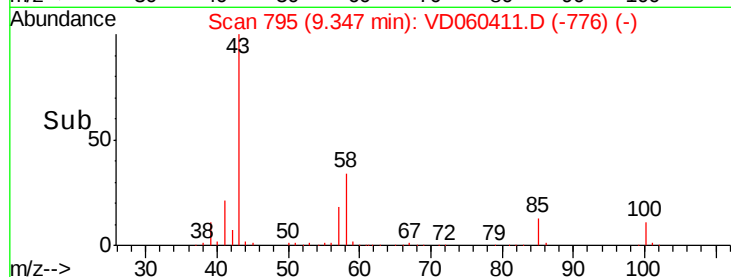
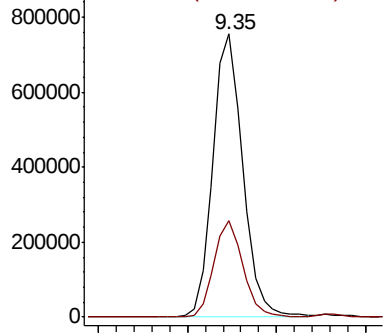
43 100

58 34.1 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.221 ug/l

RT: 9.55 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060411.D

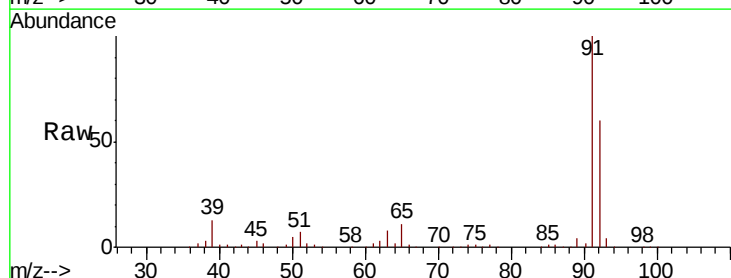
Acq: 19 Nov 2018 12:13

Tgt Ion: 92 Resp: 1599470

Ion Ratio Lower Upper

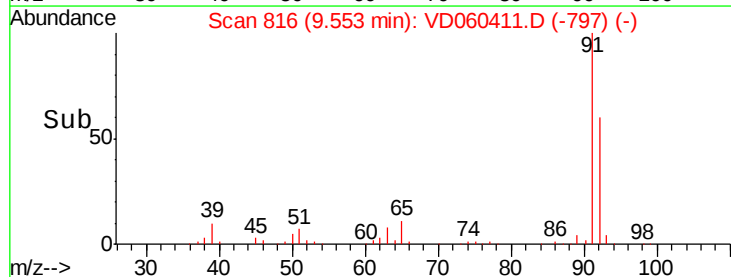
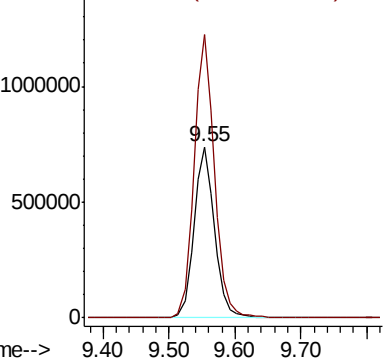
92 100

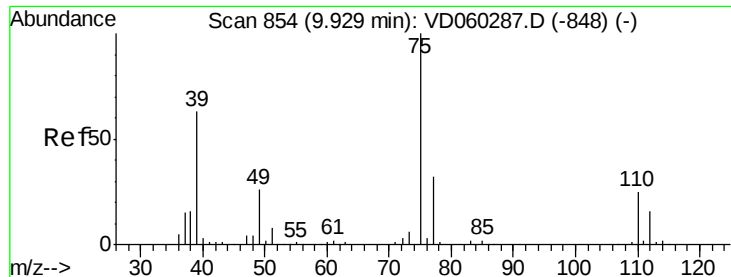
91 165.4 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

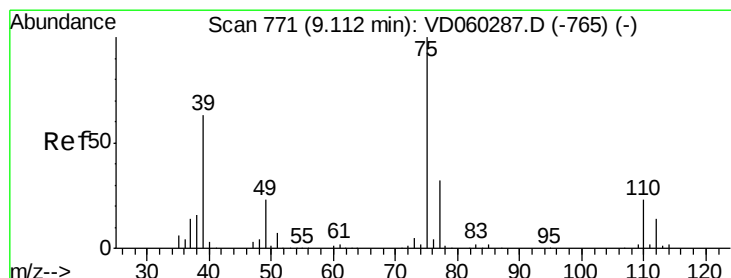
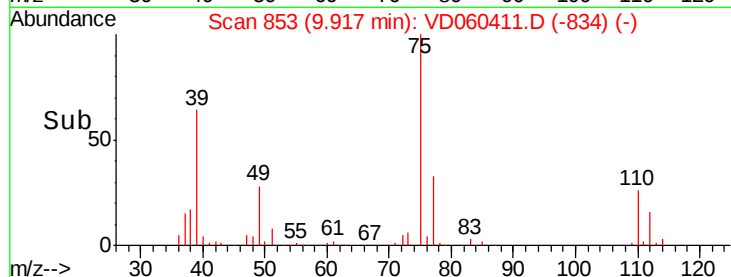
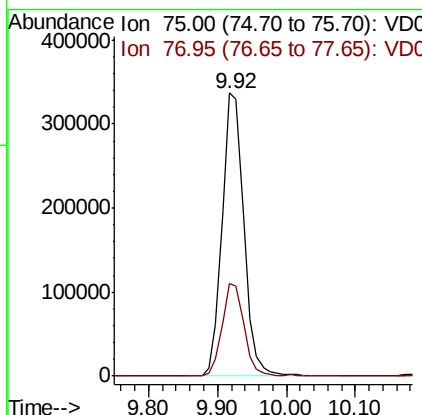
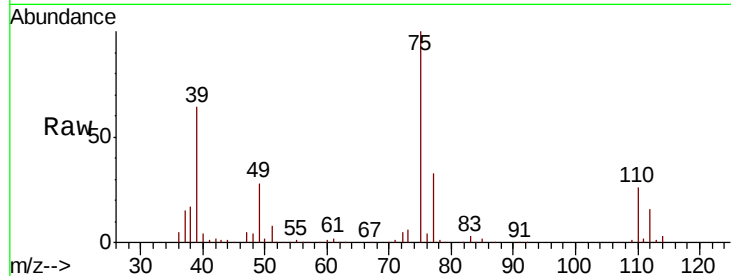




#53
 t-1,3-Dichloropropene
 Concen: 49.089 ug/l
 RT: 9.92 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

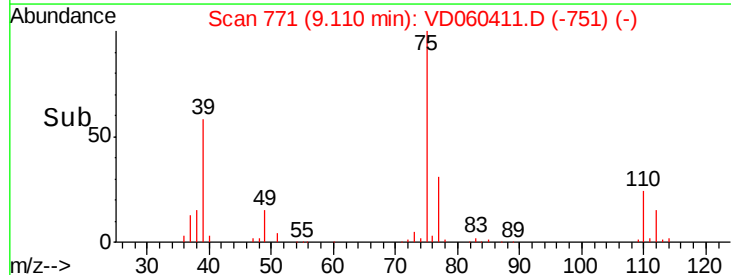
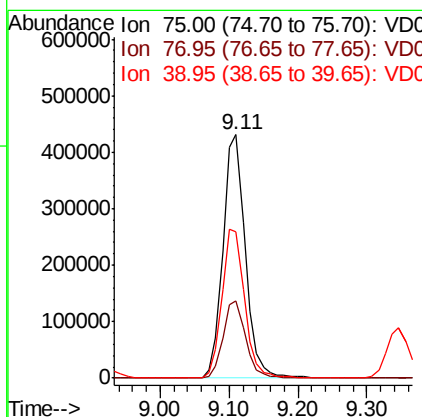
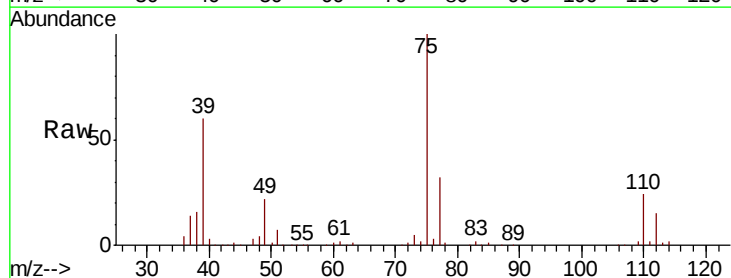
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 734426
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.397 ug/l
 RT: 9.11 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

Tgt Ion: 75 Resp: 967081
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.3 39.5
 39 60.0 50.8 76.2



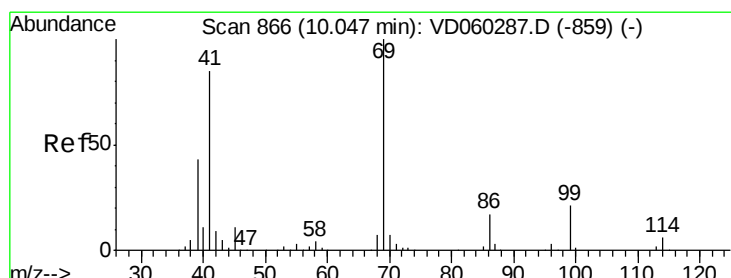
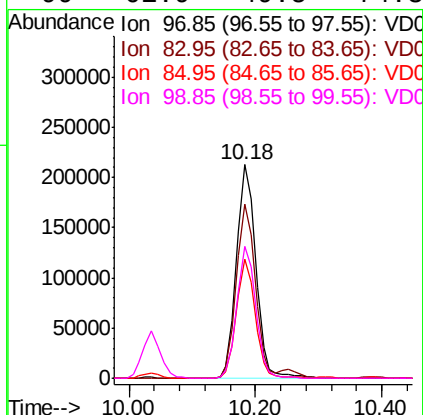
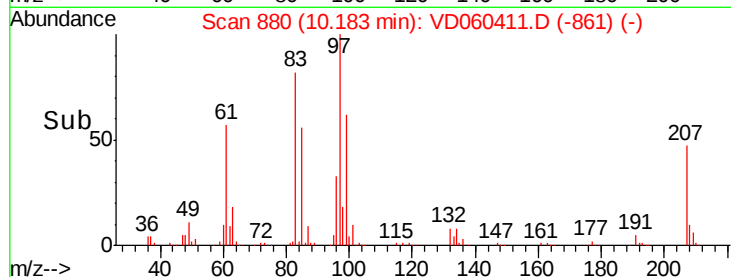
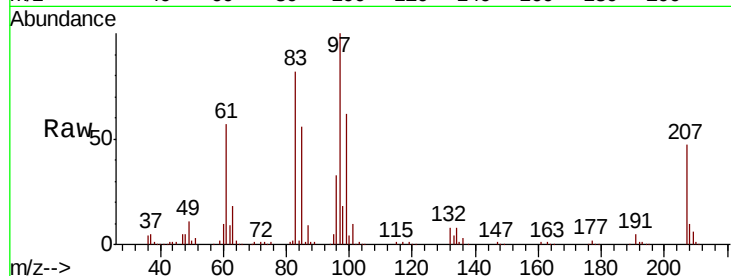


#55
 1,1,2-Trichloroethane
 Concen: 47.519 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 447558

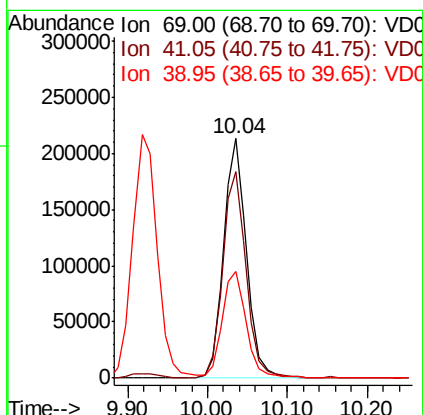
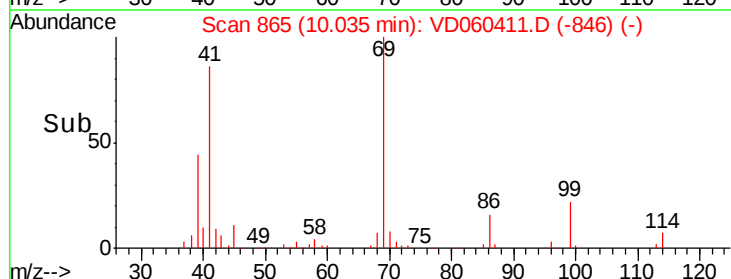
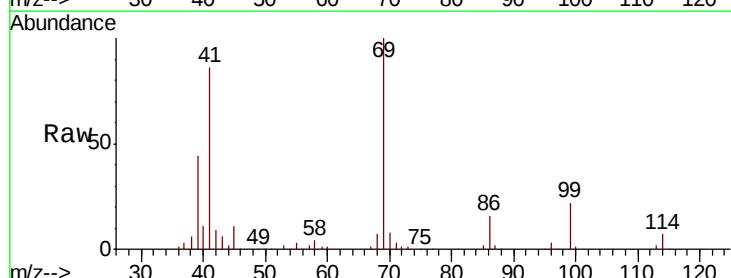
Ion	Ratio	Lower	Upper
97	100		
83	81.7	68.4	102.6
85	56.0	46.8	70.2
99	61.9	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 49.750 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

Tgt Ion: 69 Resp: 430828

Ion	Ratio	Lower	Upper
69	100		
41	86.4	69.0	103.4
39	44.3	36.6	54.8





#57

1,3-Dichloropropane

Concen: 47.666 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

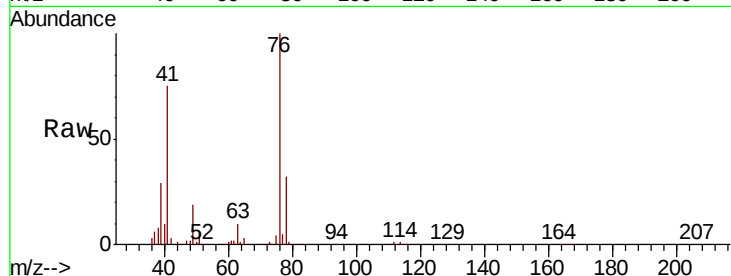
VSTDCCC050

Tot Ion: 76 Resp: 684080

Ion Ratio Lower Upper

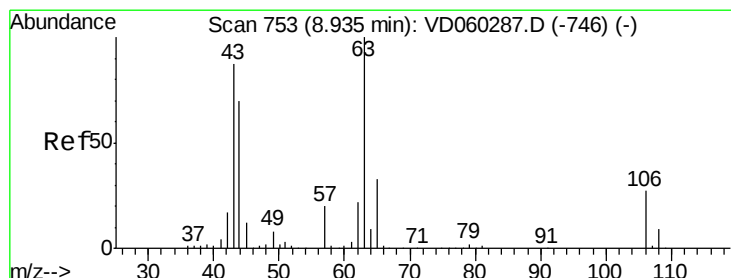
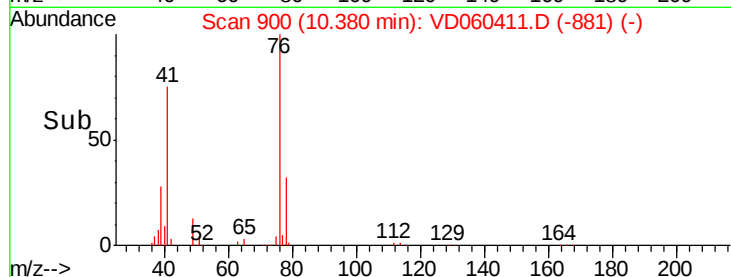
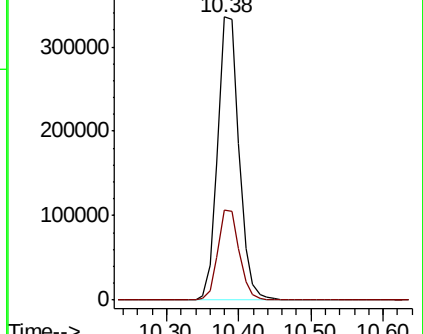
76 100

78 32.0 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 244.448 ug/l

RT: 8.92 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060411.D

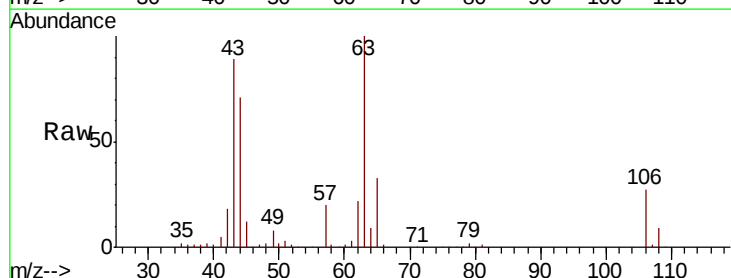
Acq: 19 Nov 2018 12:13

Tgt Ion: 63 Resp: 1279968

Ion Ratio Lower Upper

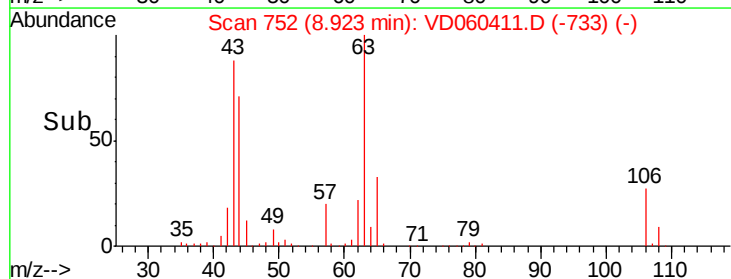
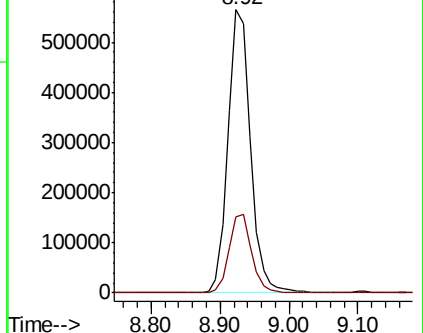
63 100

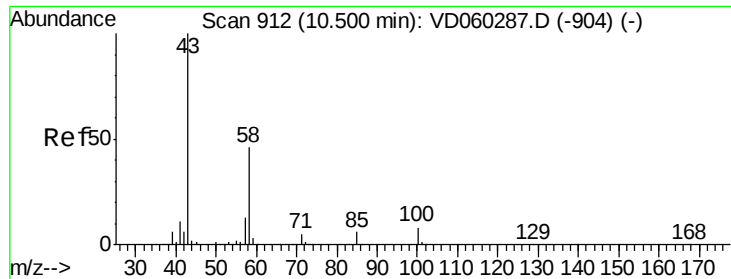
106 27.0 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

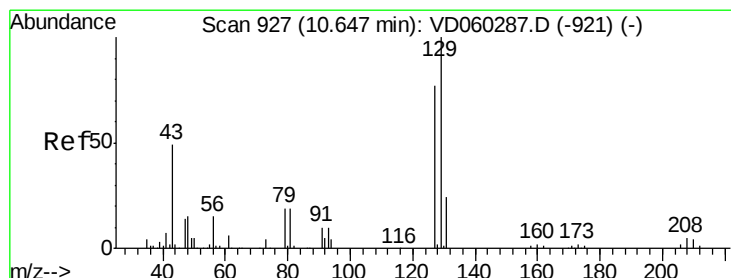
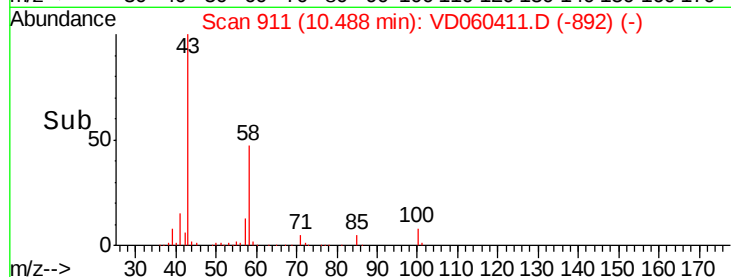
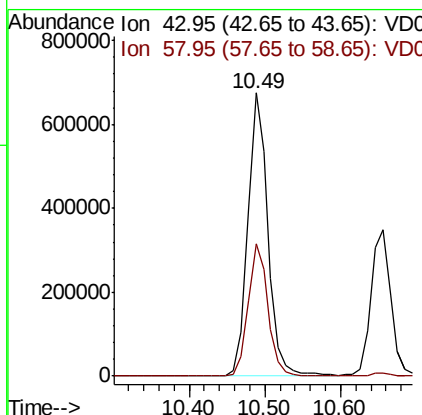
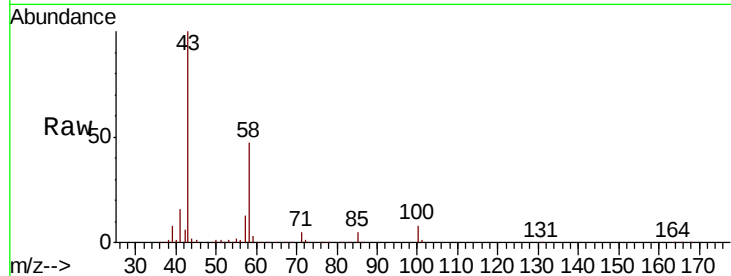




#59
2-Hexanone
Concen: 232.100 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

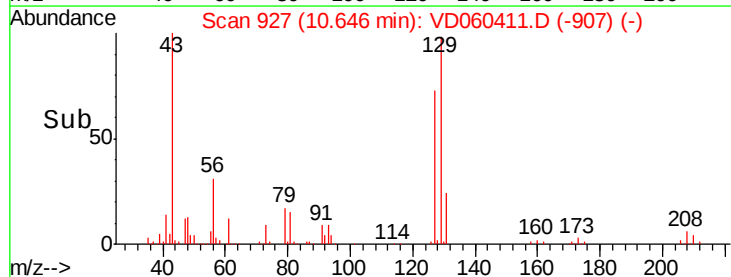
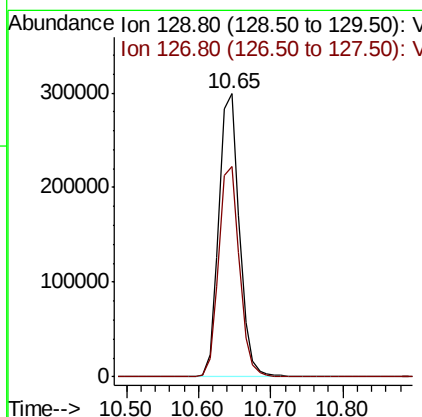
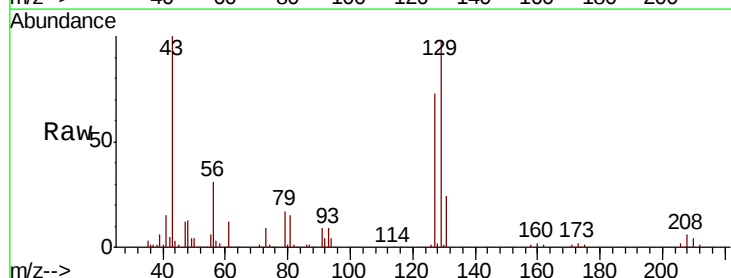
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

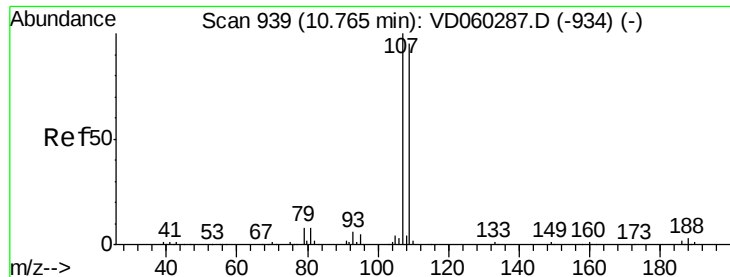
Tot Ion: 43 Resp: 1240291
Ion Ratio Lower Upper
43 100
58 46.8 22.9 68.5



#60
Dibromochloromethane
Concen: 51.328 ug/l
RT: 10.65 min Scan# 927
Delta R.T. -0.00 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Tgt Ion: 129 Resp: 587657
Ion Ratio Lower Upper
129 100
127 74.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 49.622 ug/l

RT: 10.76 min Scan# 939

Delta R.T. -0.00 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

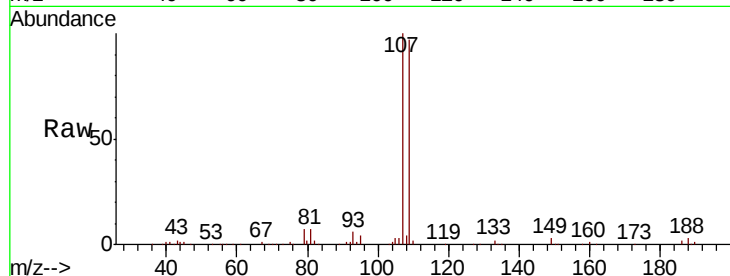
VSTDCCC050

Tot Ion:107 Resp: 468274

Ion Ratio Lower Upper

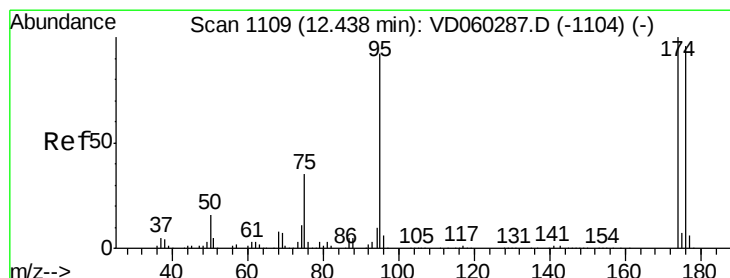
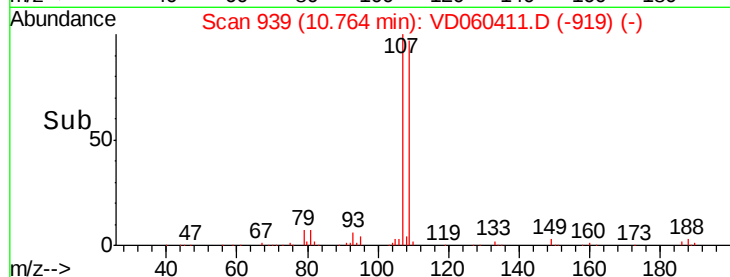
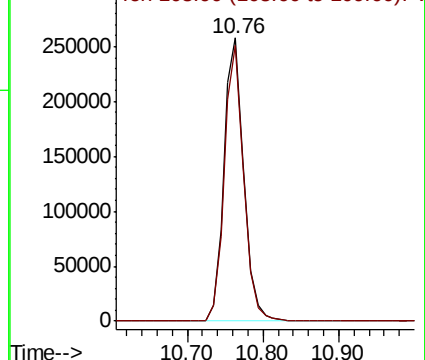
107 100

109 97.4 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 49.622 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

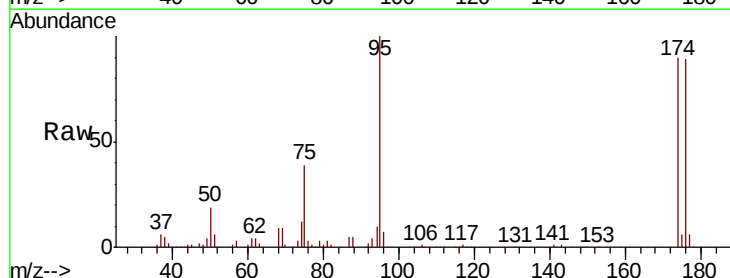
Tgt Ion: 95 Resp: 720562

Ion Ratio Lower Upper

95 100

174 89.6 0.0 160.8

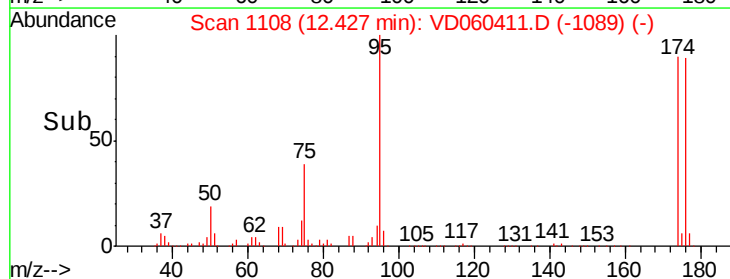
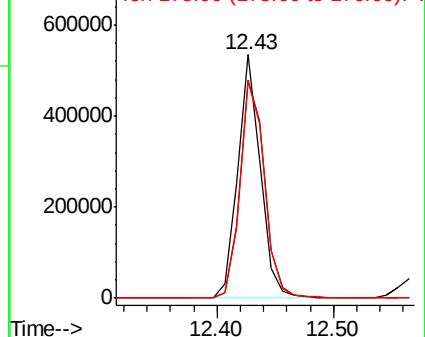
176 88.8 0.0 154.6

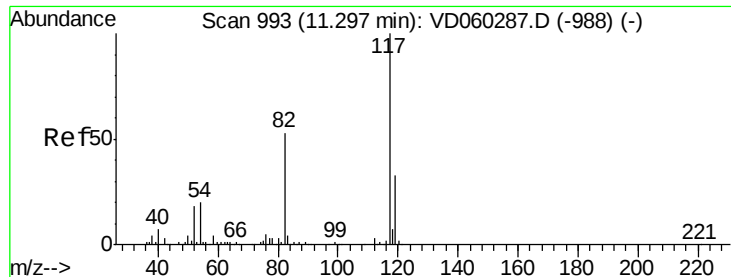


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

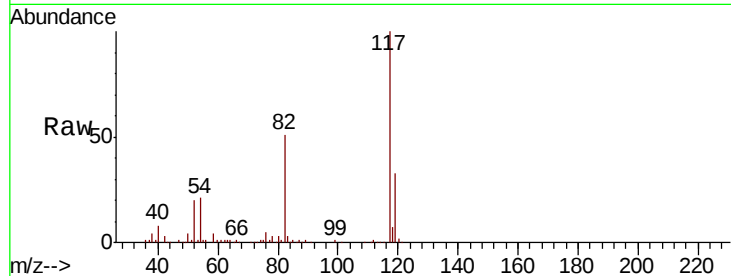




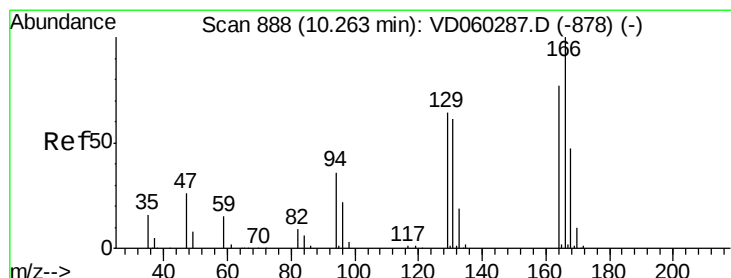
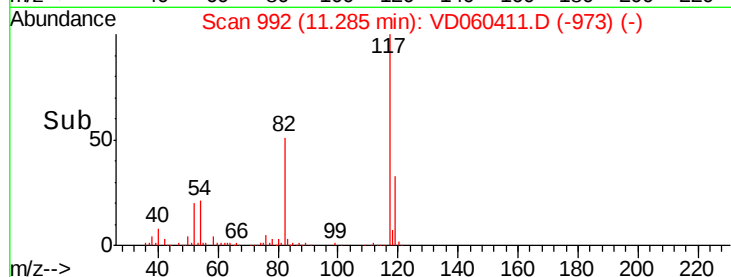
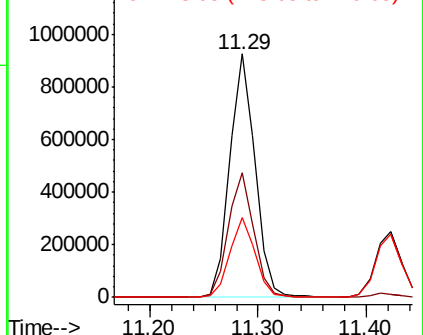
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1511476
Ion Ratio Lower Upper
117 100
82 51.2 43.7 65.5
119 32.7 26.1 39.1

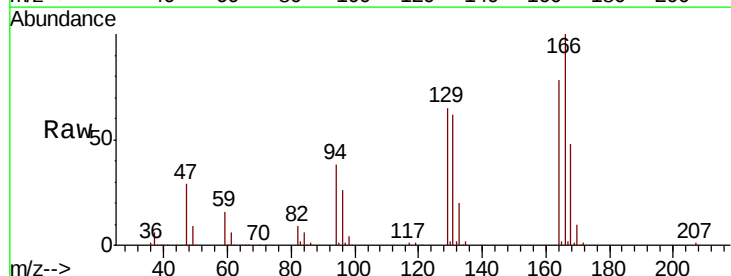


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

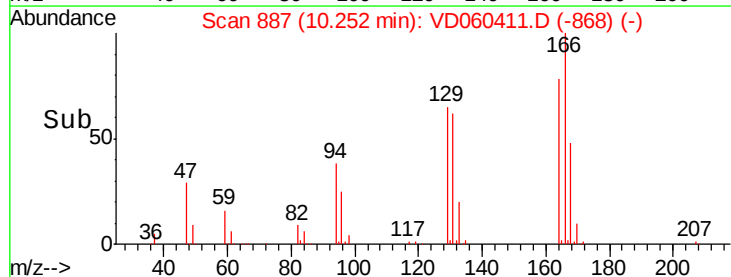
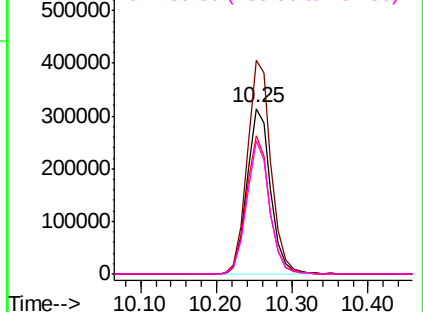


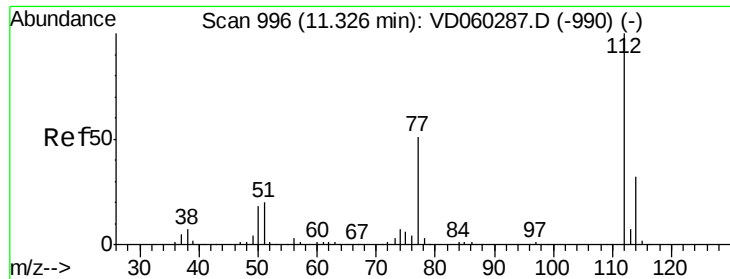
#64
Tetrachloroethene
Concen: 50.409 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Tgt Ion:164 Resp: 680196
Ion Ratio Lower Upper
164 100
166 129.0 103.7 155.5
129 83.4 65.6 98.4
131 80.1 64.4 96.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 52.287 ug/l

RT: 11.31 min Scan# 995

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

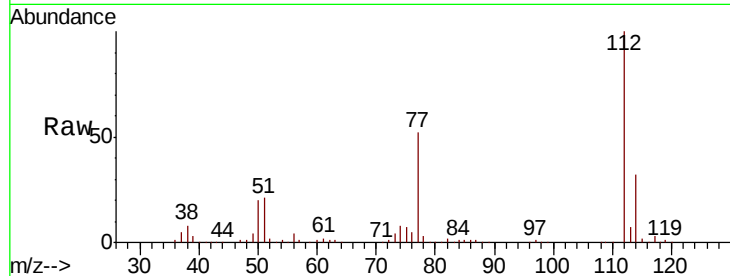
VSTDCCC050

Tot Ion:112 Resp: 1712361

Ion Ratio Lower Upper

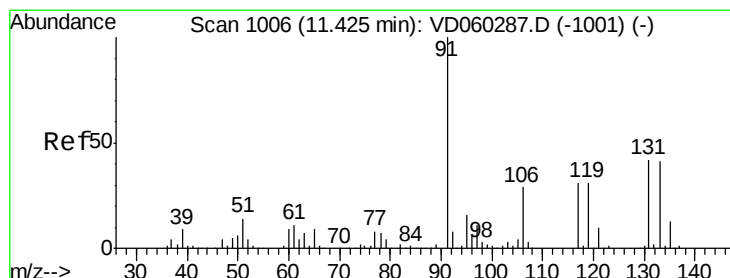
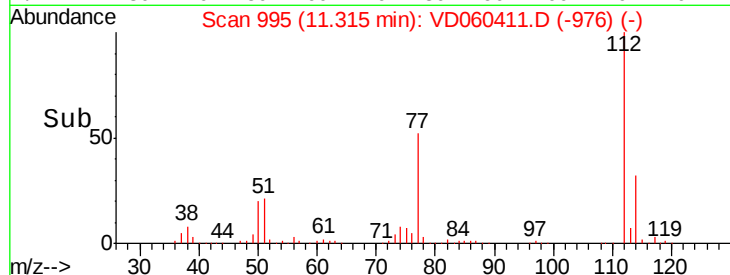
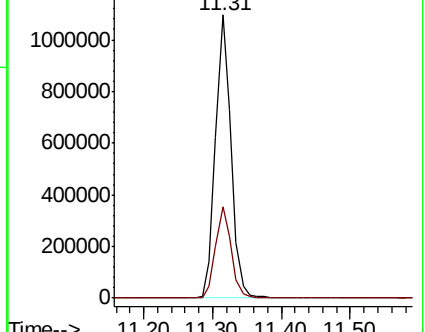
112 100

114 32.3 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: 51.722 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

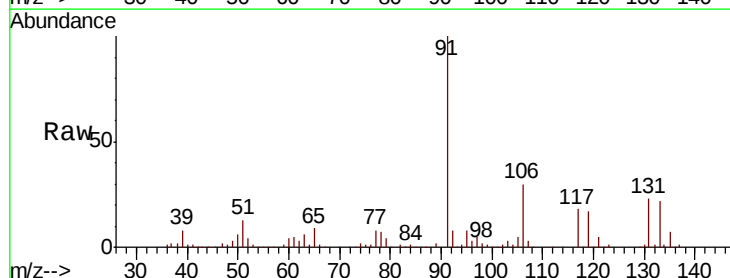
Tgt Ion:131 Resp: 554214

Ion Ratio Lower Upper

131 100

133 97.8 50.0 150.0

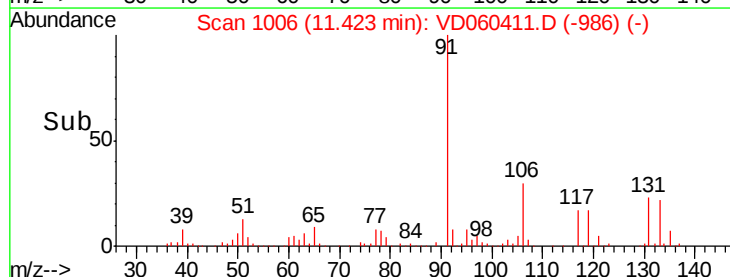
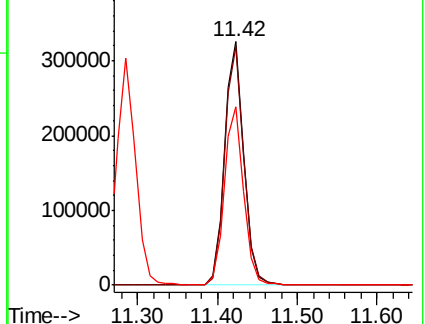
119 73.4 37.0 111.1

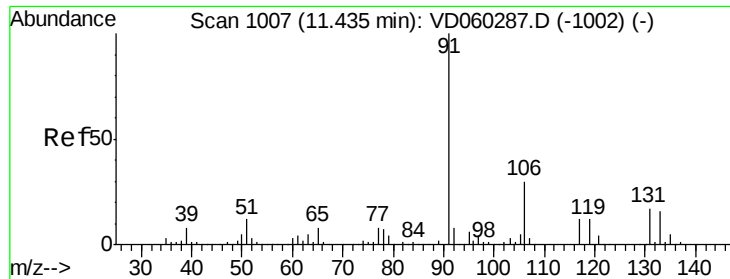


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

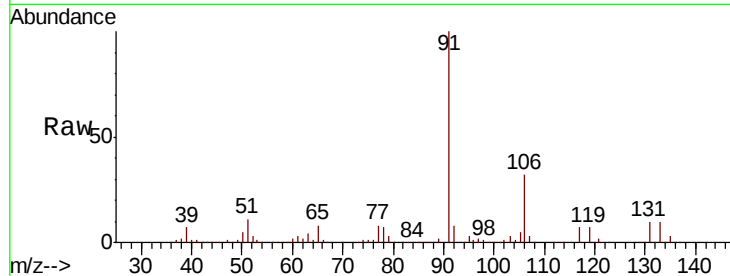




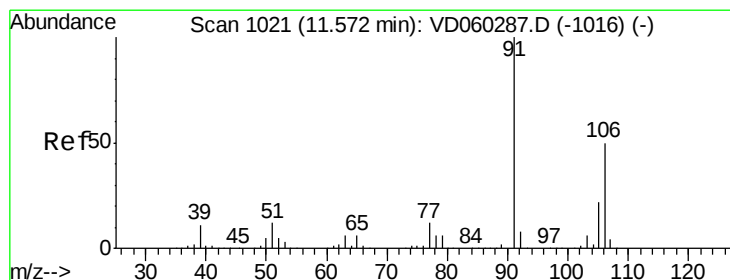
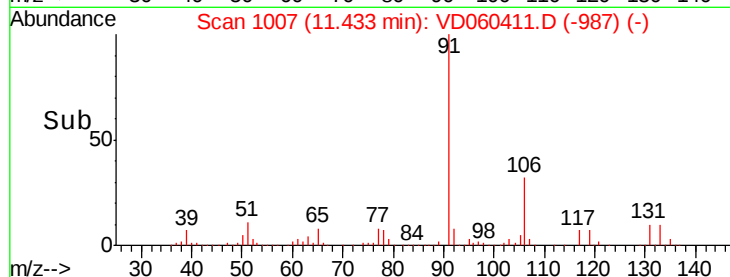
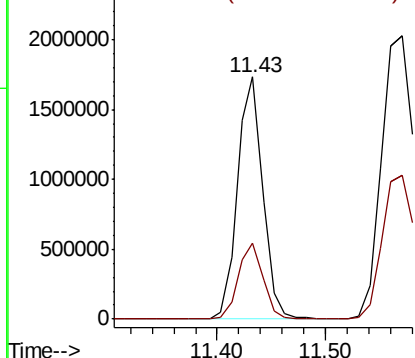
#67
Ethyl Benzene
Concen: 50.087 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2806012
Ion Ratio Lower Upper
91 100
106 31.6 24.6 36.8

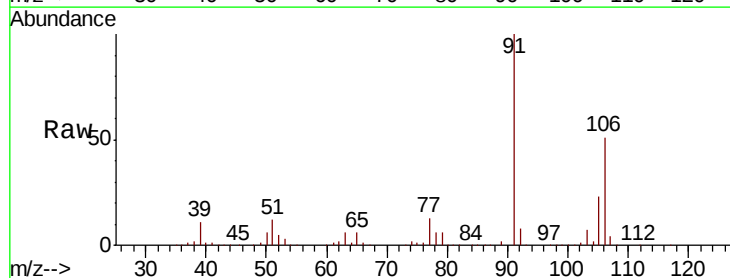


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

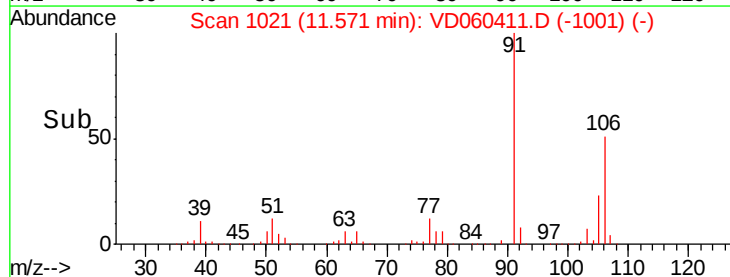
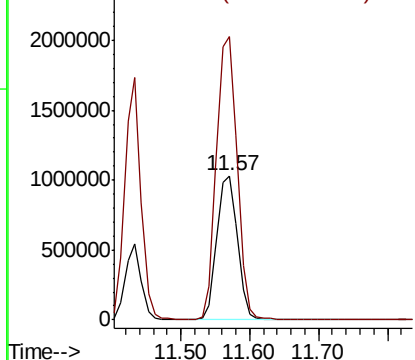


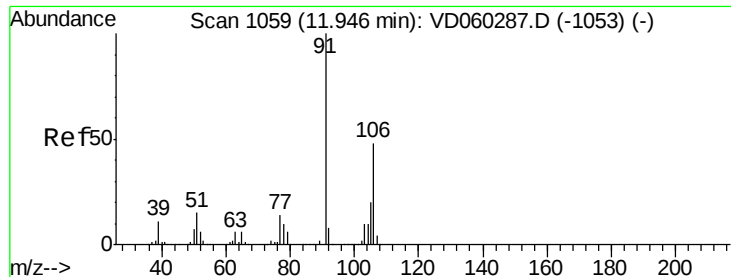
#68
m/p-Xylenes
Concen: 102.860 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Tgt Ion: 106 Resp: 2125688
Ion Ratio Lower Upper
106 100
91 196.4 159.4 239.2



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

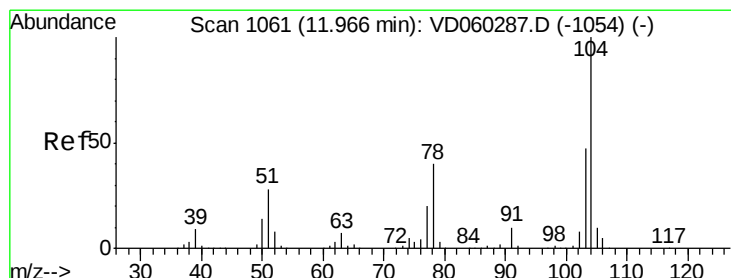
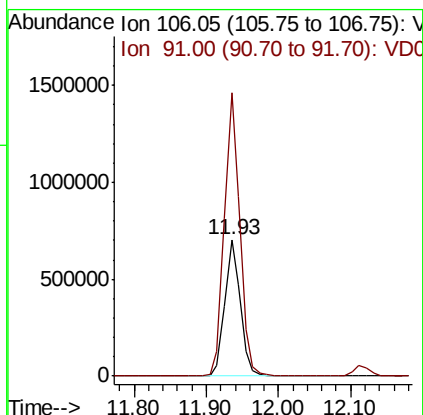
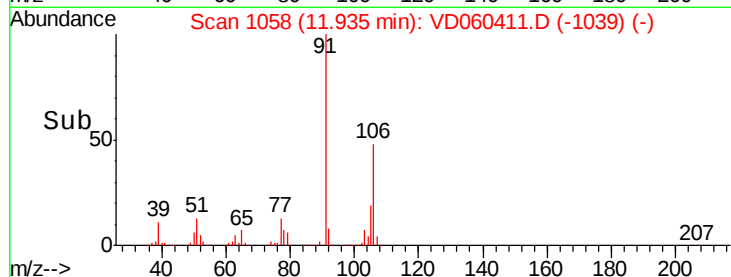
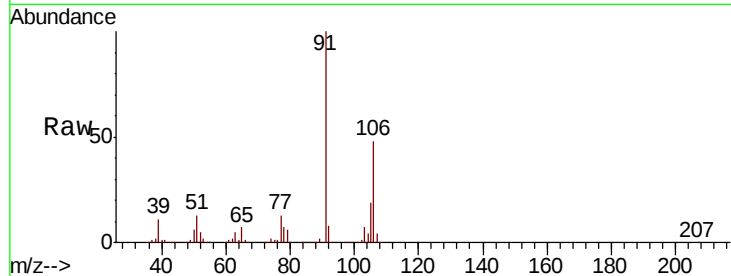




#69
o-Xylene
Concen: 52.244 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

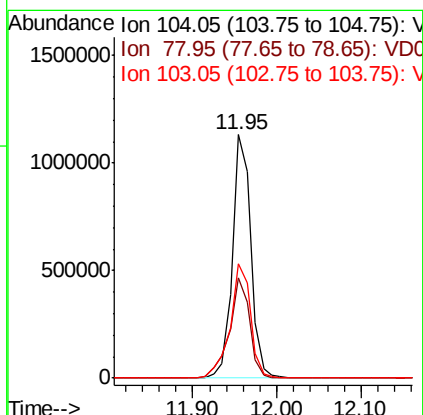
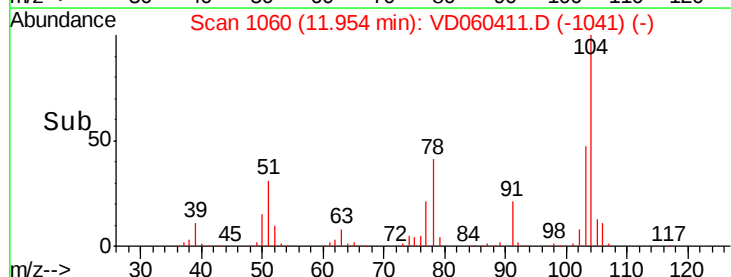
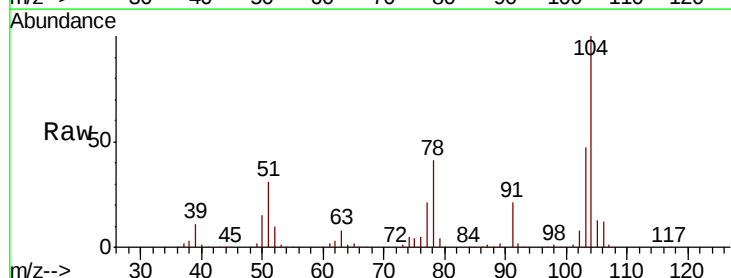
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

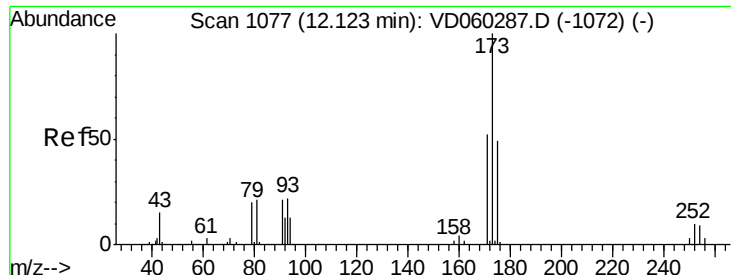
Tot Ion:106 Resp: 1043064
Ion Ratio Lower Upper
106 100
91 207.3 109.2 327.6



#70
Styrene
Concen: 53.210 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Tgt Ion:104 Resp: 1716849
Ion Ratio Lower Upper
104 100
78 41.2 31.6 47.4
103 46.9 37.0 55.6

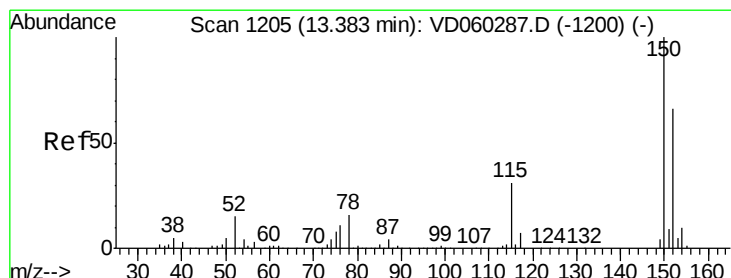
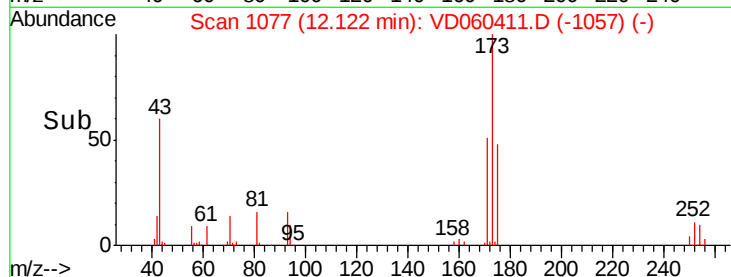
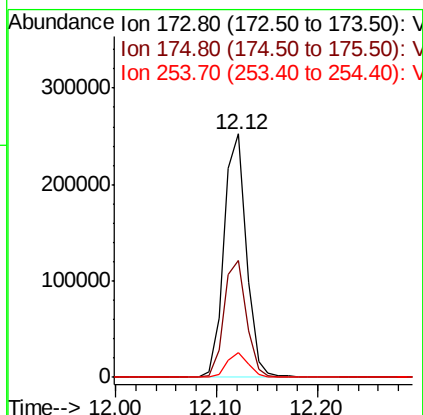
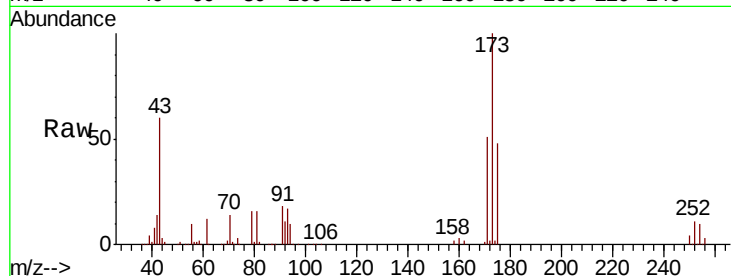




#71
Bromoform
Concen: 54.196 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

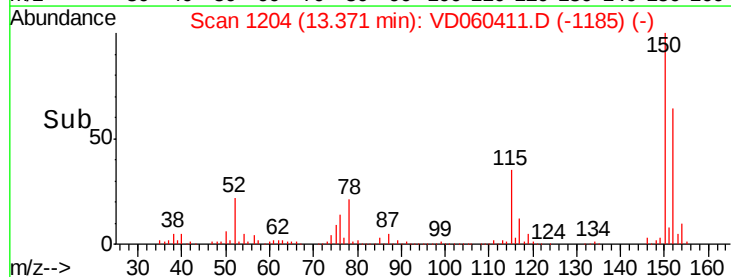
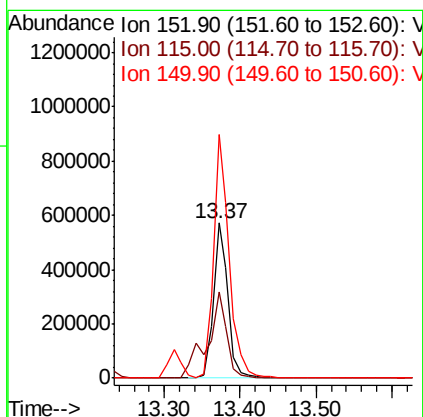
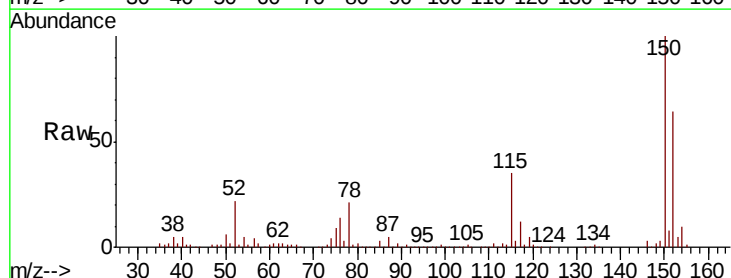
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 390230
Ion Ratio Lower Upper
173 100
175 48.2 24.3 73.0
254 10.3 8.3 12.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Tgt Ion:152 Resp: 771690
Ion Ratio Lower Upper
152 100
115 55.8 24.1 72.3
150 157.1 0.0 310.6





#73

Isopropylbenzene

Concen: 51.508 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

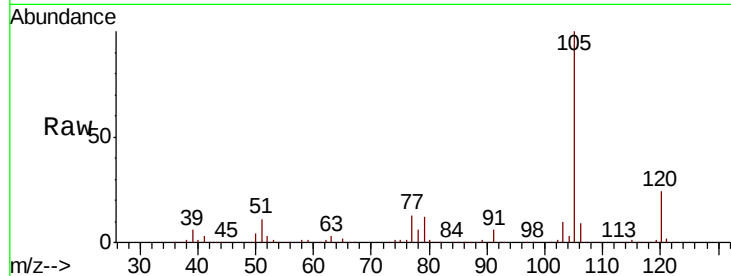
VSTDCCC050

Tot Ion:105 Resp: 2895941

Ion Ratio Lower Upper

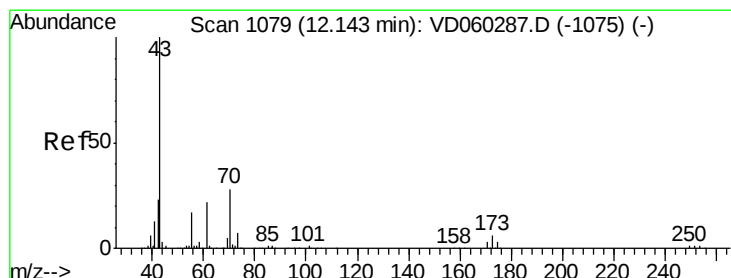
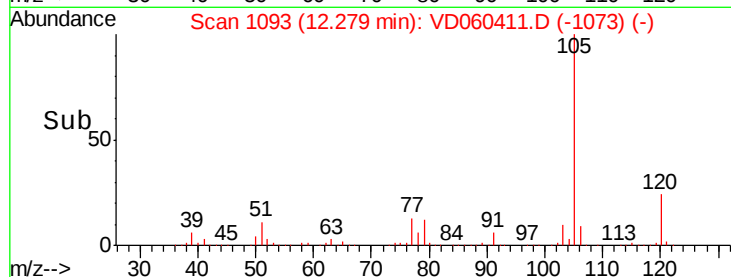
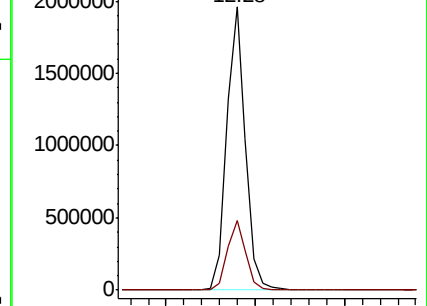
105 100

120 24.5 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 51.135 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Tgt Ion: 43 Resp: 737086

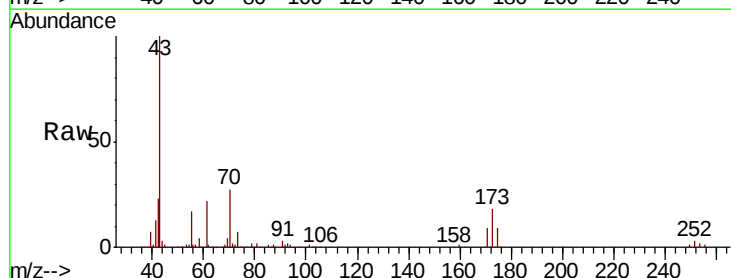
Ion Ratio Lower Upper

43 100

70 26.6 23.0 34.4

55 16.6 14.2 21.4

61 21.8 17.8 26.8

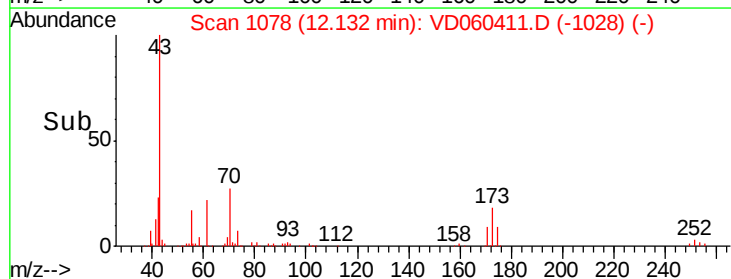
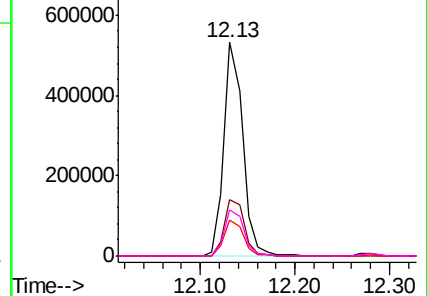


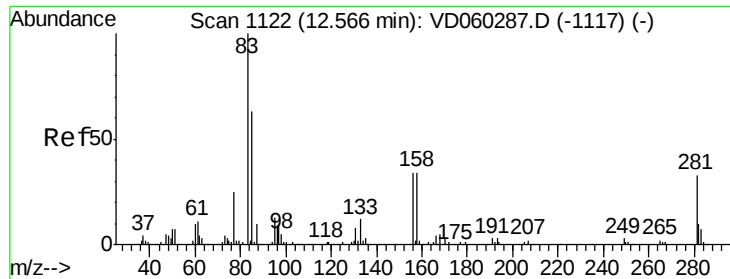
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 48.869 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

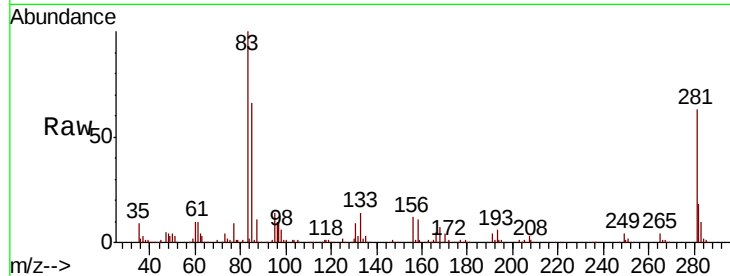
Tot Ion: 83 Resp: 449348

Ion Ratio Lower Upper

83 100

131 8.8 3.9 11.5

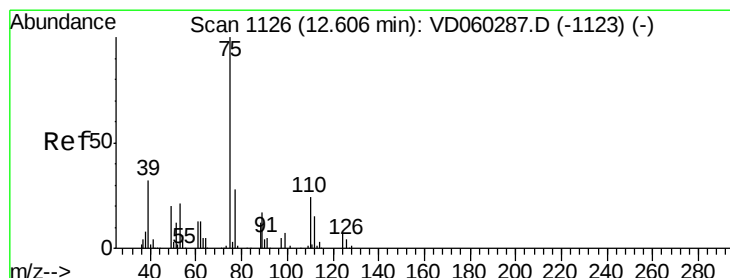
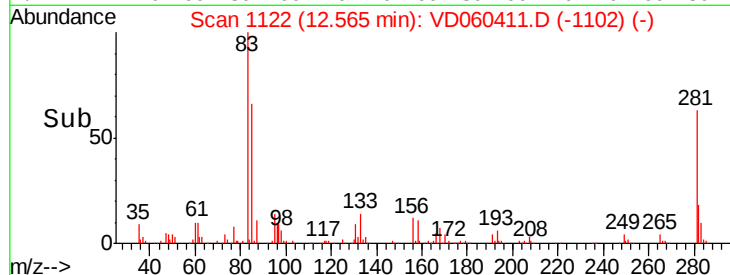
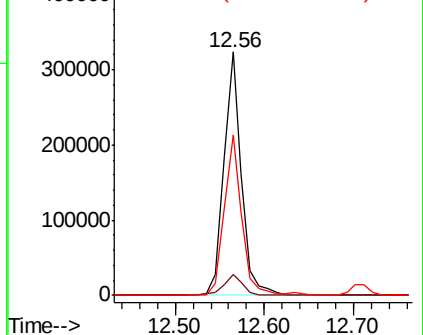
85 65.9 32.0 96.0



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: 51.944 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060411.D

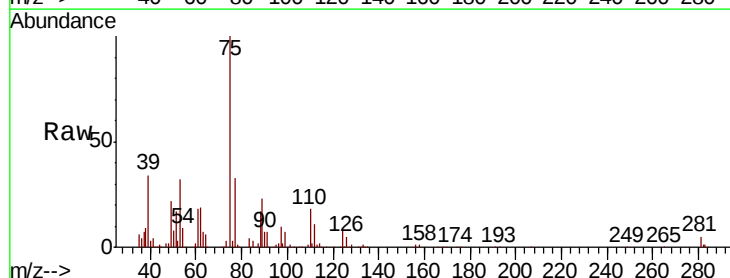
Acq: 19 Nov 2018 12:13

Tgt Ion: 75 Resp: 479510

Ion Ratio Lower Upper

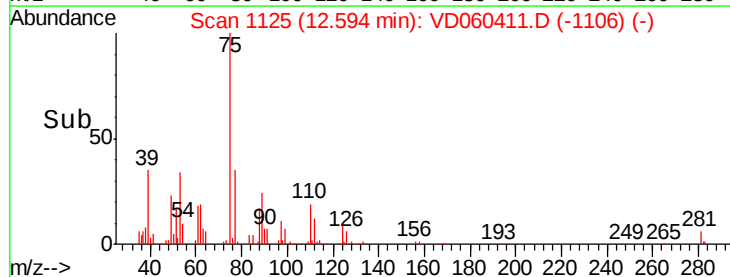
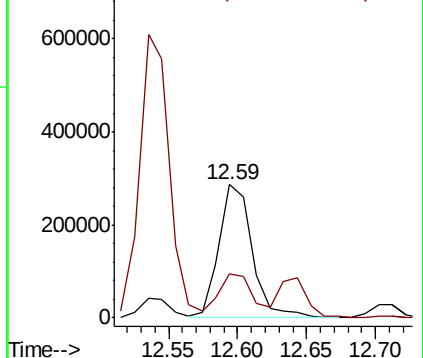
75 100

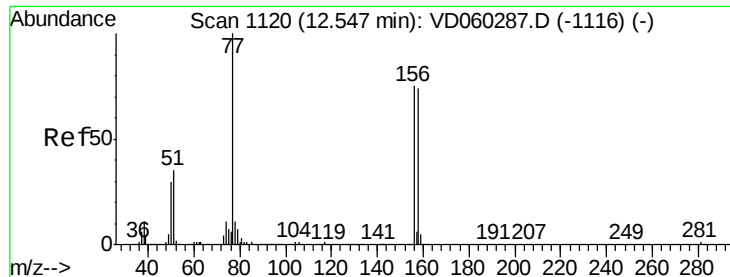
77 32.9 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.380 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

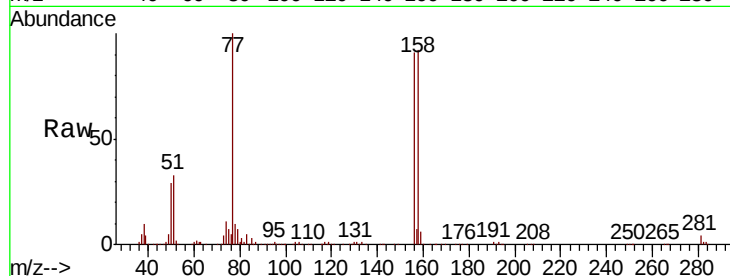
Tot Ion:156 Resp: 737464

Ion Ratio Lower Upper

156 100

77 109.7 61.2 183.6

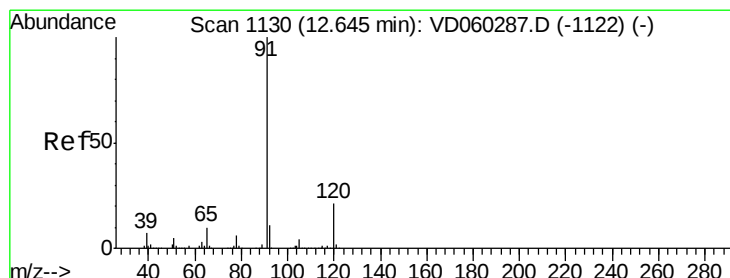
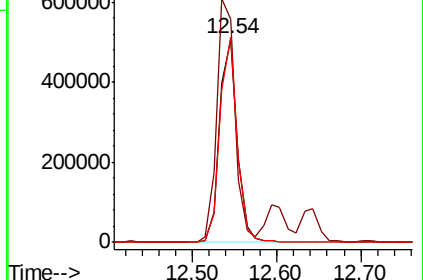
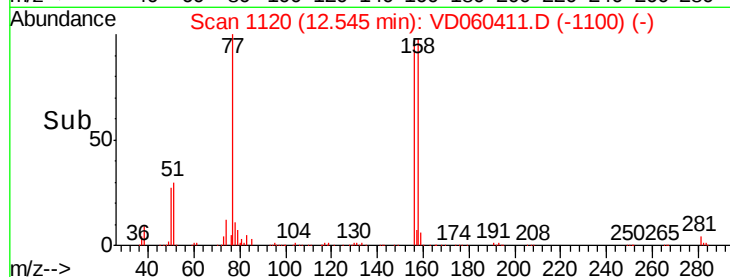
158 100.9 49.2 147.6



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: 50.627 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VD060411.D

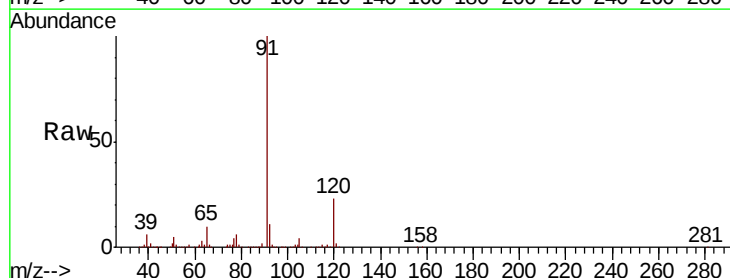
Acq: 19 Nov 2018 12:13

Tgt Ion: 91 Resp: 3552842

Ion Ratio Lower Upper

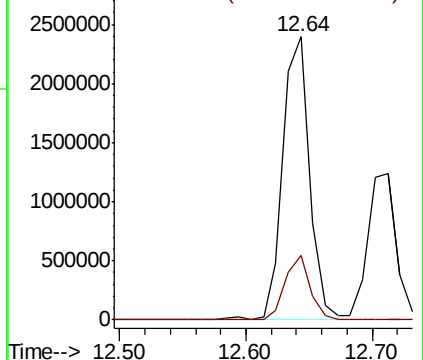
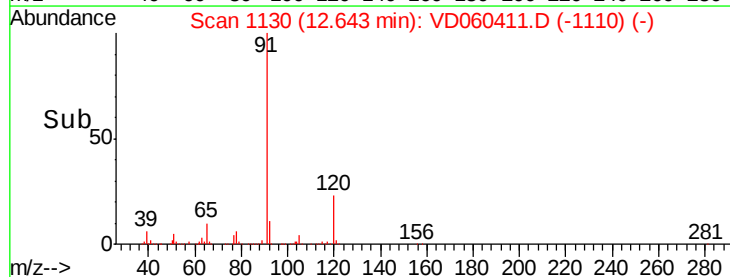
91 100

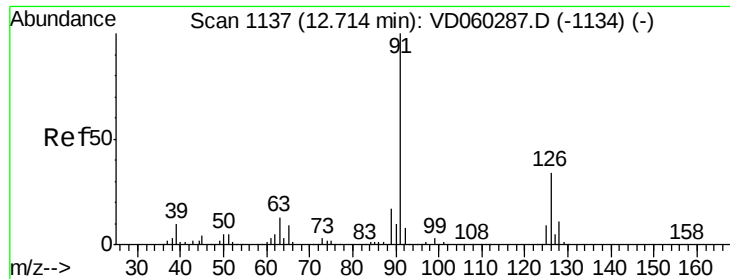
120 22.9 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

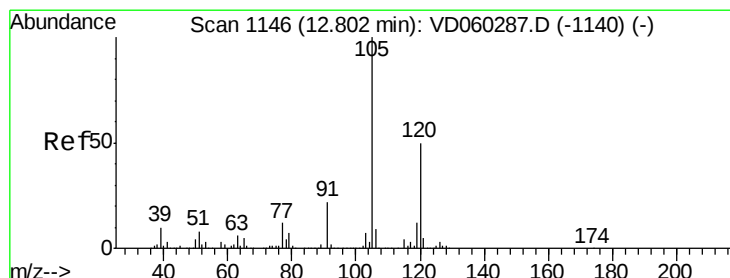
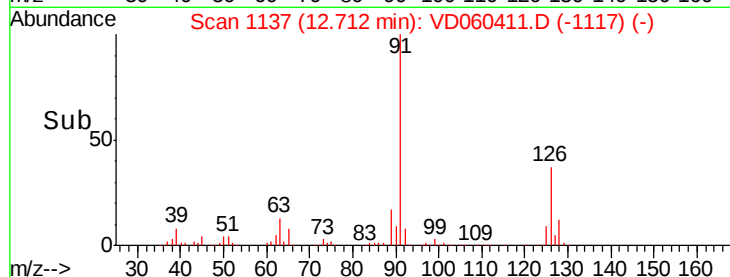
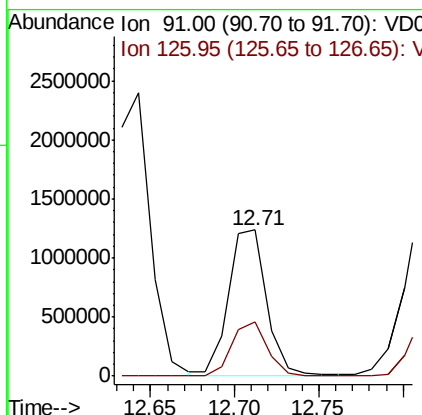
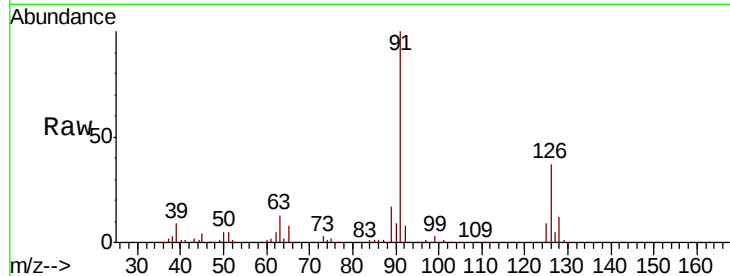




#79
 2-Chlorotoluene
 Concen: 50.443 ug/l
 RT: 12.71 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

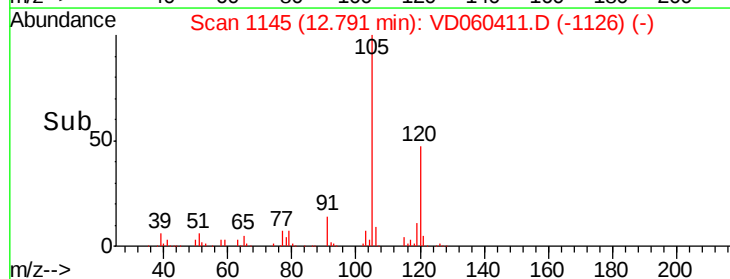
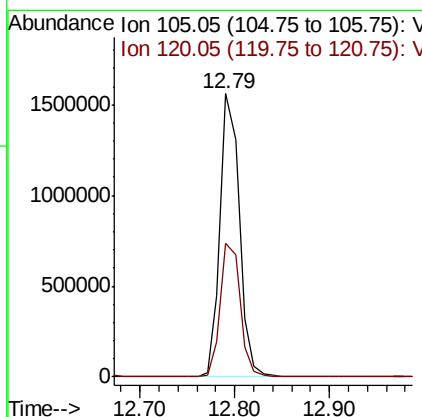
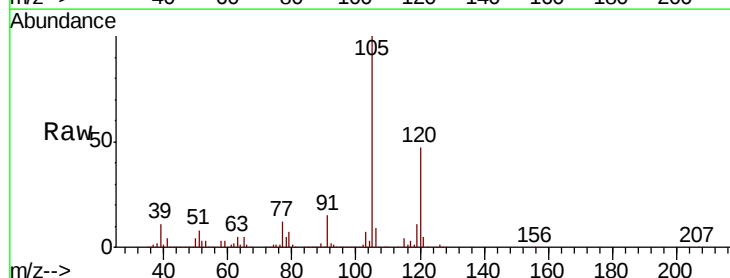
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

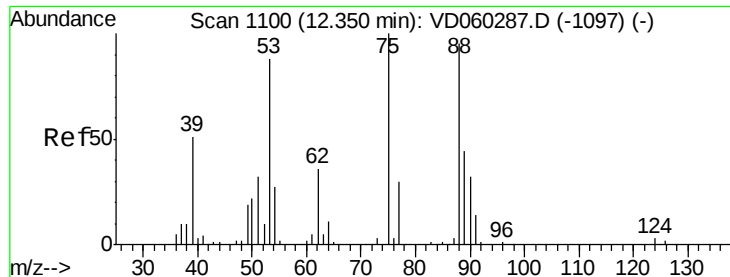
Tot Ion: 91 Resp: 1938808
 Ion Ratio Lower Upper
 91 100
 126 36.9 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 50.748 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

Tgt Ion: 105 Resp: 2217371
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 53.691 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

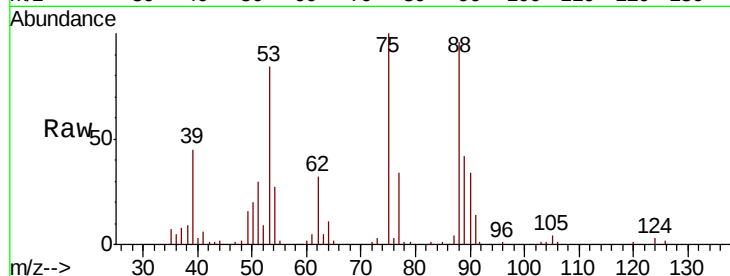
Tot Ion: 75 Resp: 141106

Ion Ratio Lower Upper

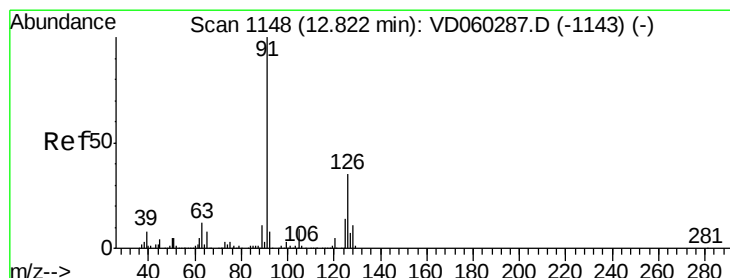
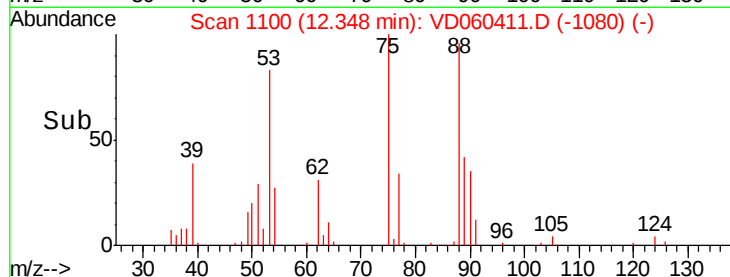
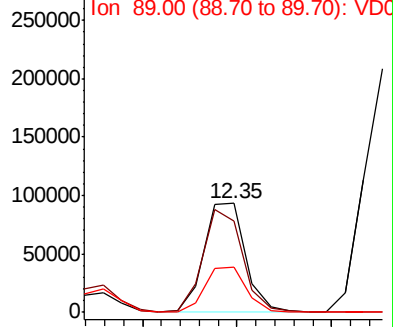
75 100

53 84.0 68.6 103.0

89 41.9 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 49.697 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060411.D

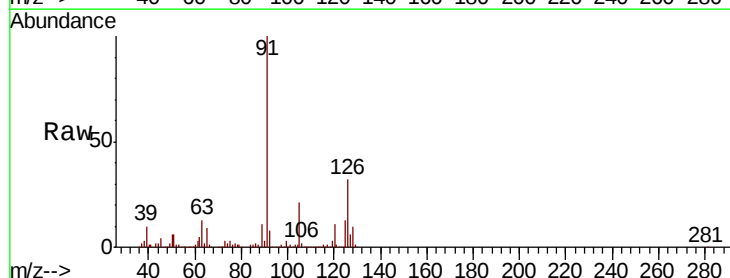
Acq: 19 Nov 2018 12:13

Tgt Ion: 91 Resp: 2145671

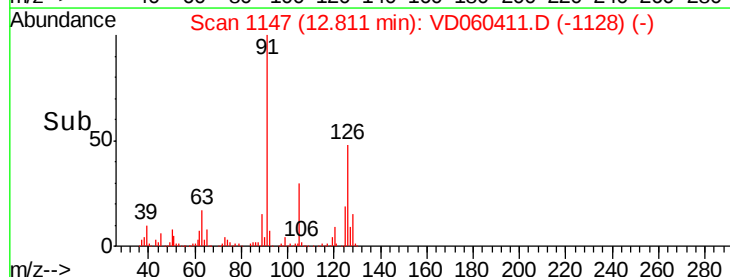
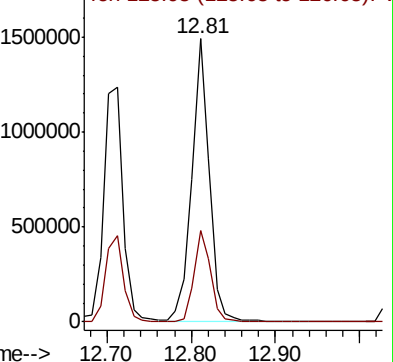
Ion Ratio Lower Upper

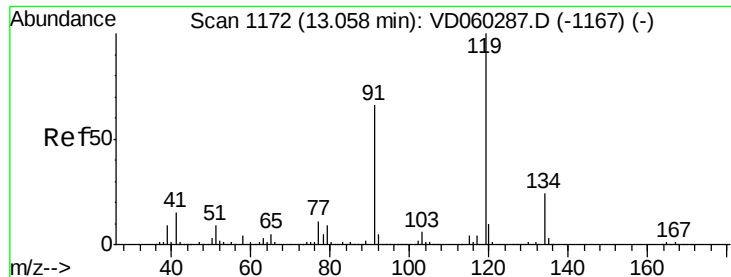
91 100

126 32.4 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

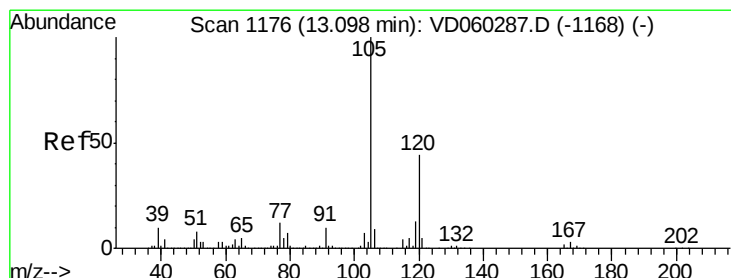
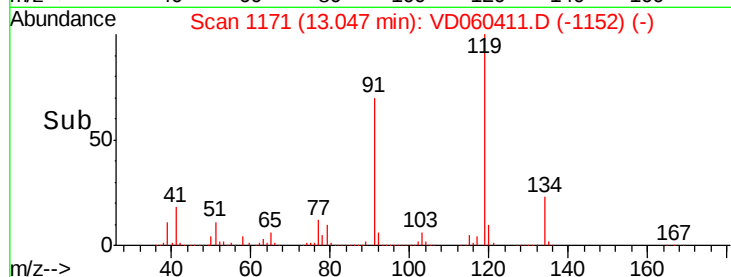
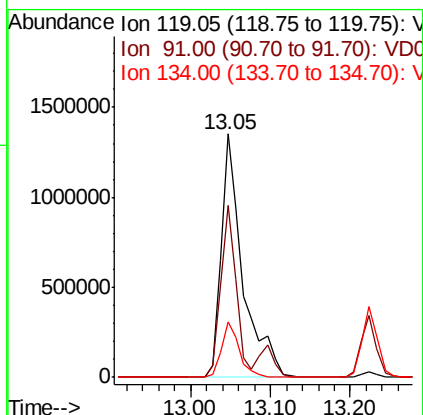
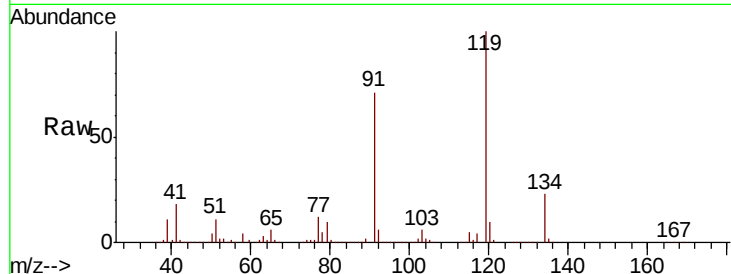




#83
tert-Butylbenzene
Concen: 53.074 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

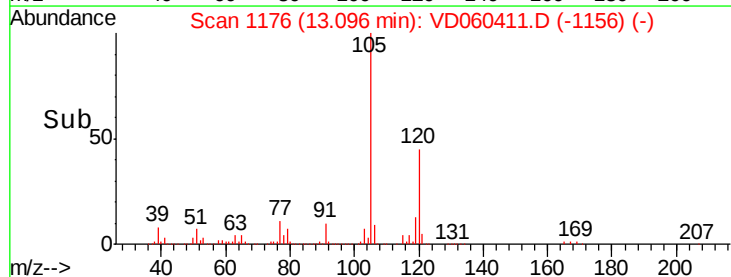
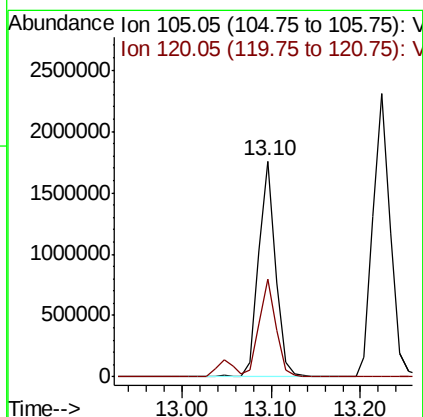
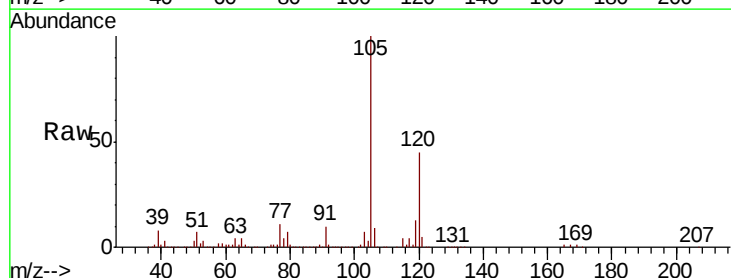
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

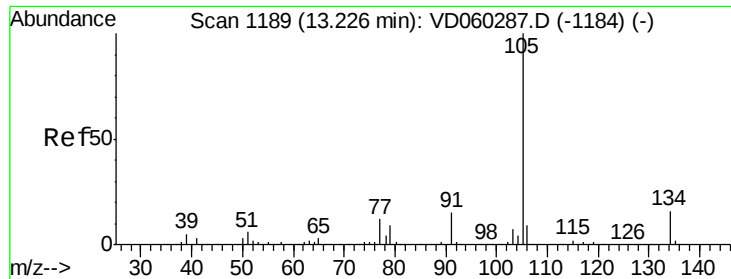
Tot Ion:119 Resp: 2574625
Ion Ratio Lower Upper
119 100
91 70.6 32.7 98.1
134 22.8 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 52.121 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Tgt Ion:105 Resp: 2274428
Ion Ratio Lower Upper
105 100
120 45.4 21.9 65.8

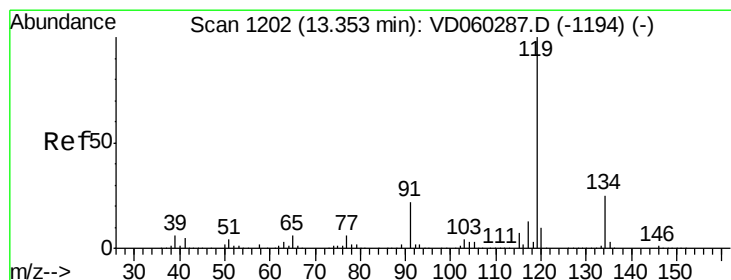
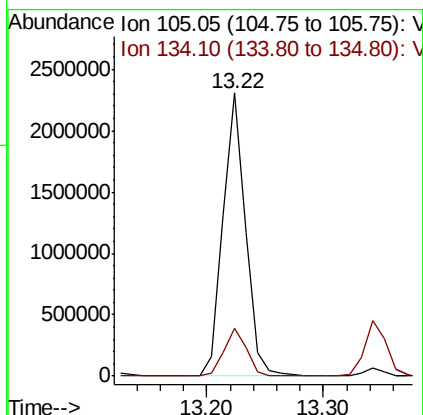
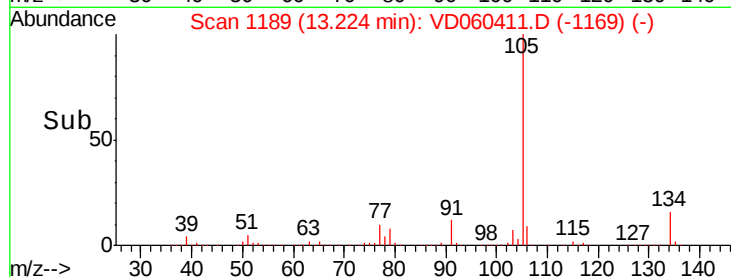
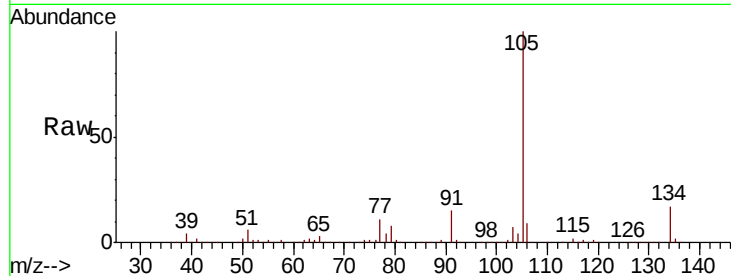




#85
 sec-Butylbenzene
 Concen: 51.753 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

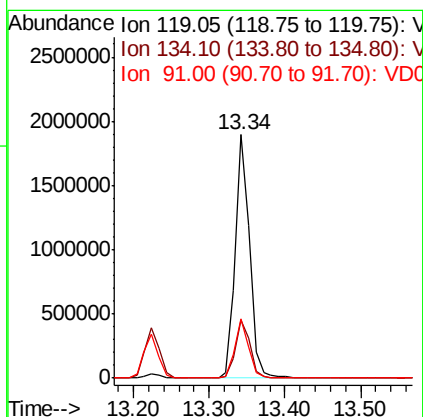
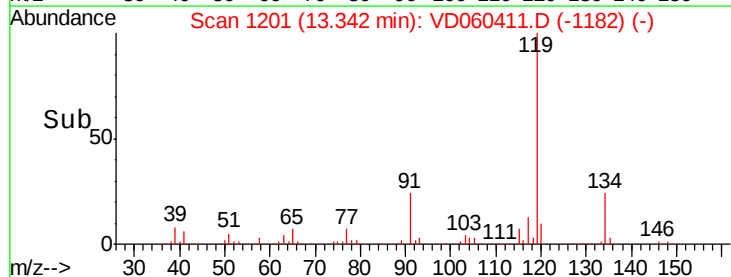
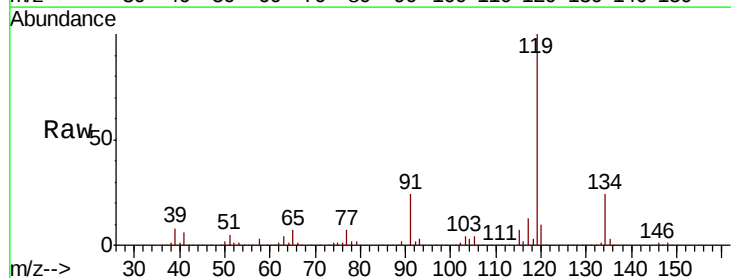
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

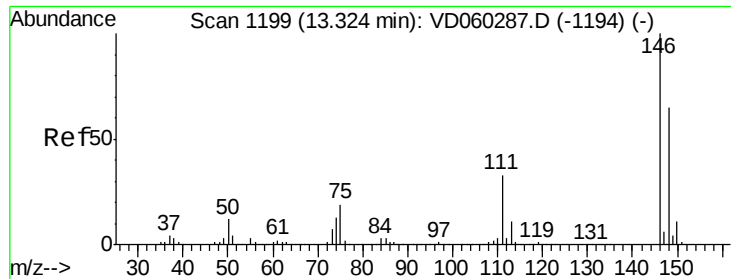
Tot Ion:105 Resp: 3080154
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 50.760 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

Tgt Ion:119 Resp: 2432850
 Ion Ratio Lower Upper
 119 100
 134 23.6 12.9 38.6
 91 24.1 11.3 33.8

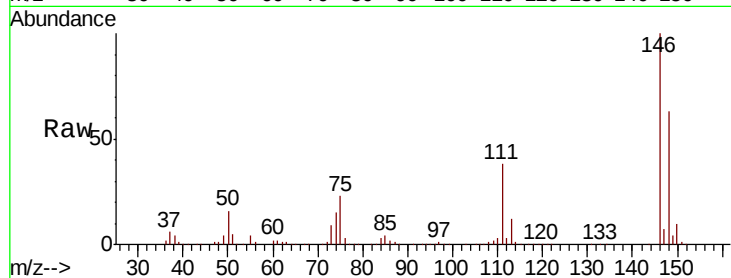




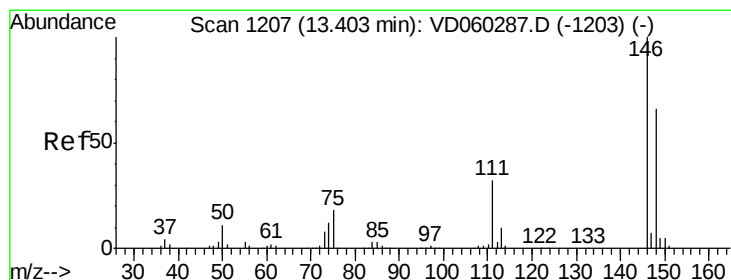
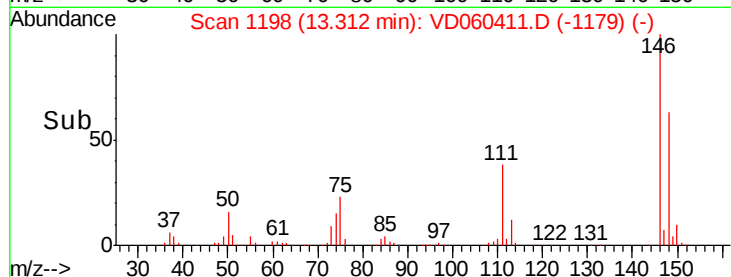
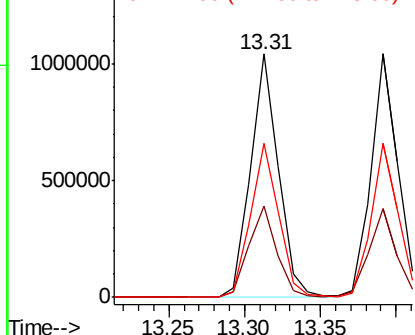
#87
 1,3-Dichlorobenzene
 Concen: 50.385 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1338740
 Ion Ratio Lower Upper
 146 100
 111 37.6 20.2 60.5
 148 63.4 32.0 96.0

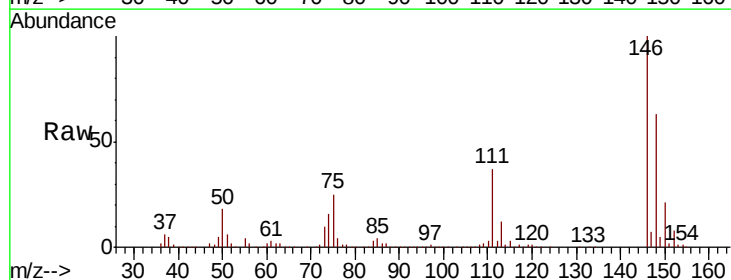


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

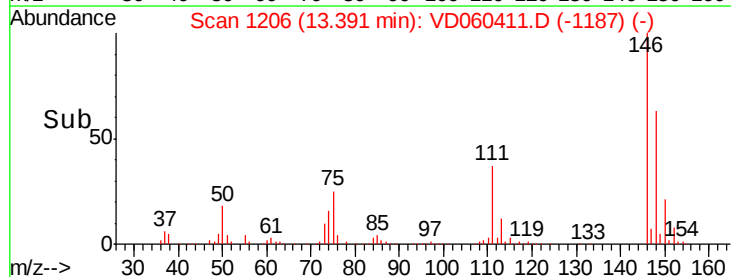
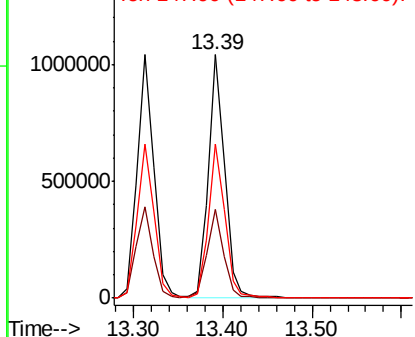


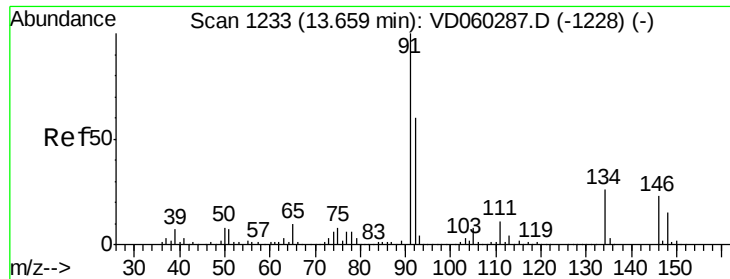
#88
 1,4-Dichlorobenzene
 Concen: 50.639 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

Tgt Ion:146 Resp: 1314067
 Ion Ratio Lower Upper
 146 100
 111 36.7 16.0 47.9
 148 63.3 32.9 98.7



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

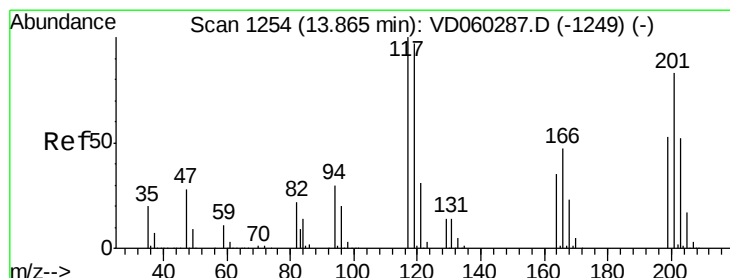
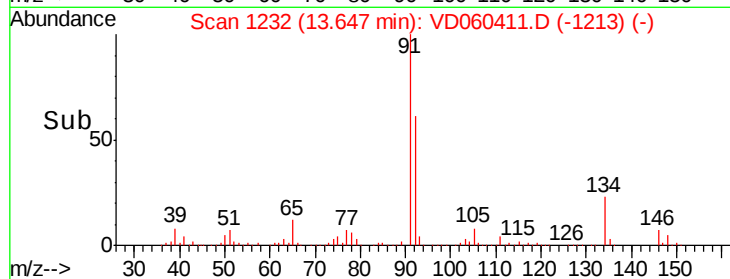
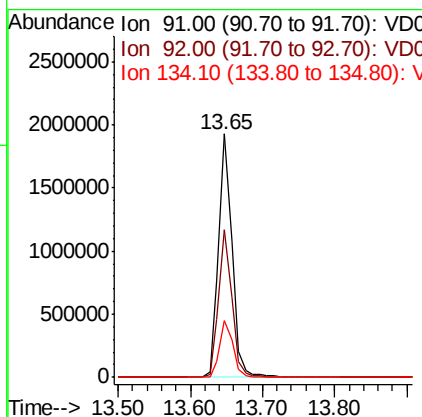
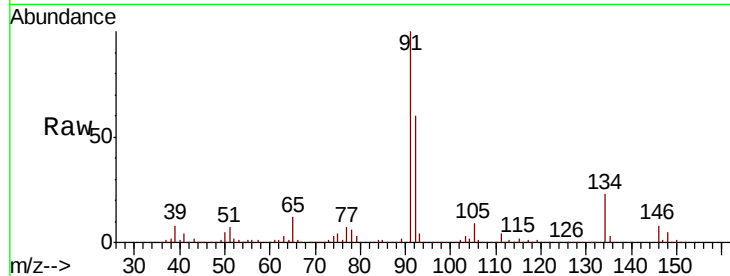




#89
n-Butylbenzene
Concen: 53.479 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

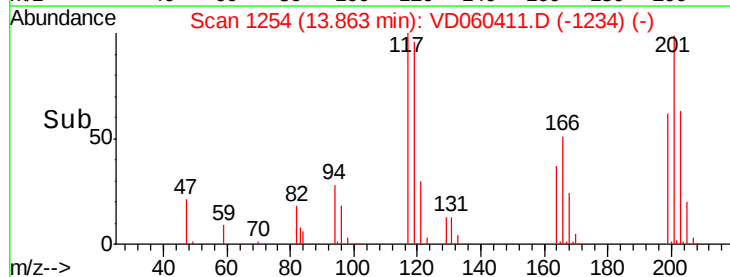
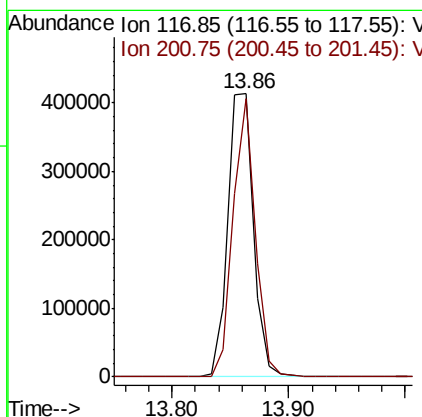
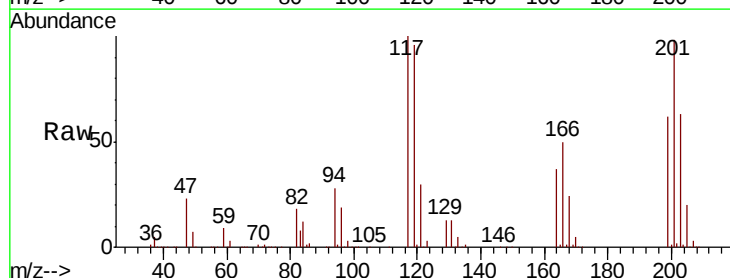
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

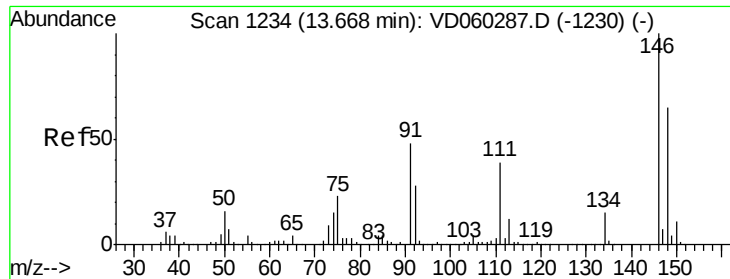
Tot Ion: 91 Resp: 2463341
Ion Ratio Lower Upper
91 100
92 60.5 30.3 90.9
134 23.2 13.0 38.9



#90
Hexachloroethane
Concen: 55.743 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD060411.D
Acq: 19 Nov 2018 12:13

Tgt Ion: 117 Resp: 633510
Ion Ratio Lower Upper
117 100
201 98.1 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 47.982 ug/l

RT: 13.67 min Scan# 1234

Delta R.T. -0.00 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

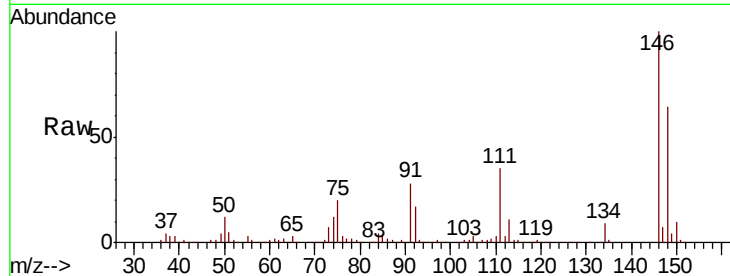
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1047166

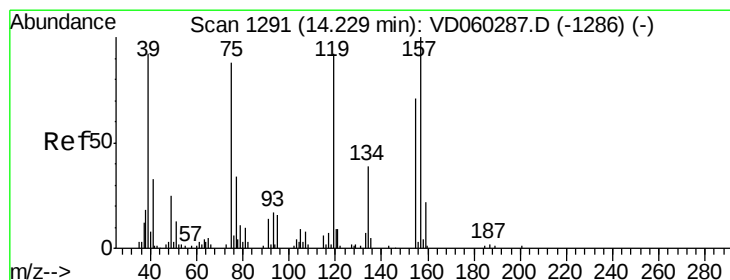
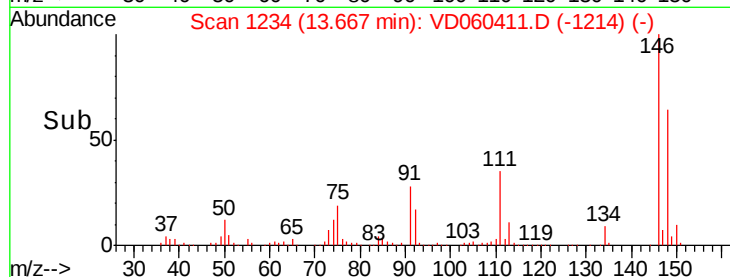
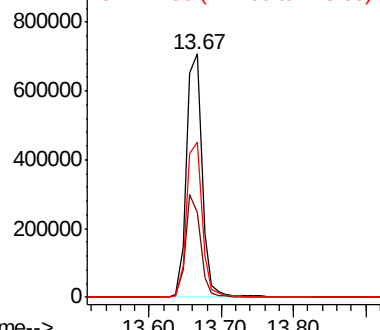
Ion	Ratio	Lower	Upper
146	100		
111	34.9	18.9	56.9
148	64.0	31.6	94.8



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: 50.713 ug/l

RT: 14.23 min Scan# 1291

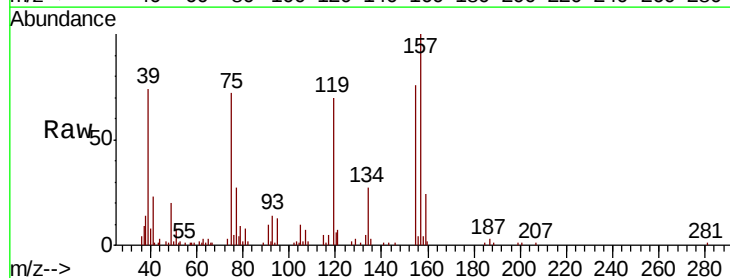
Delta R.T. -0.00 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Tgt Ion: 75 Resp: 56289

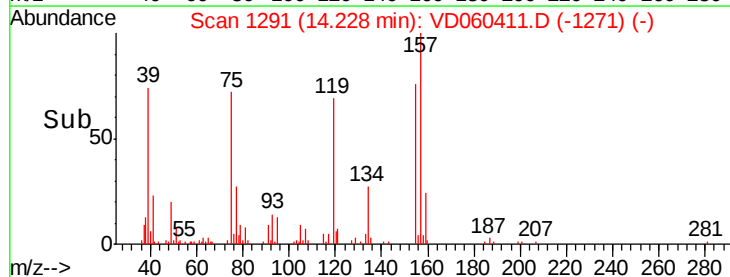
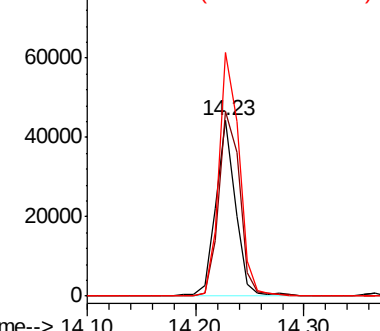
Ion	Ratio	Lower	Upper
75	100		
155	105.5	64.3	192.9
157	138.7	81.0	243.1

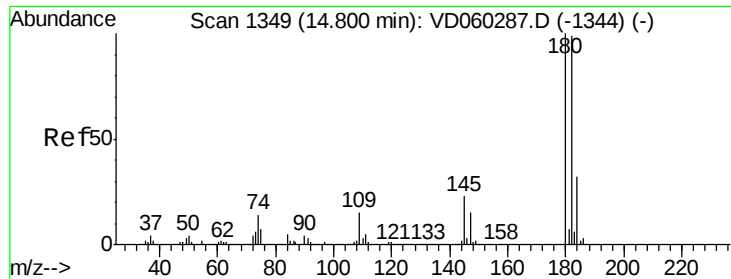


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

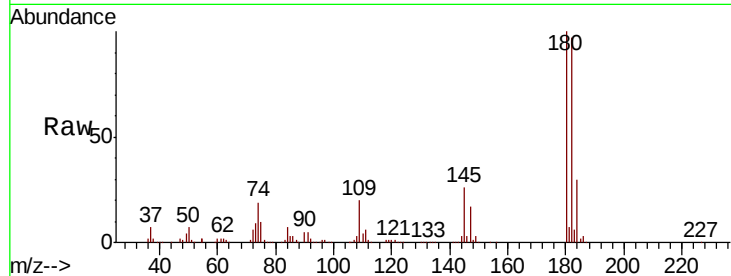




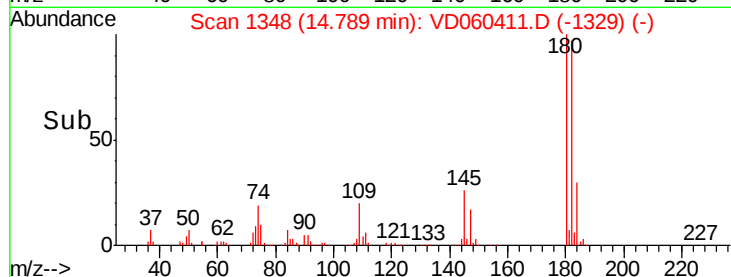
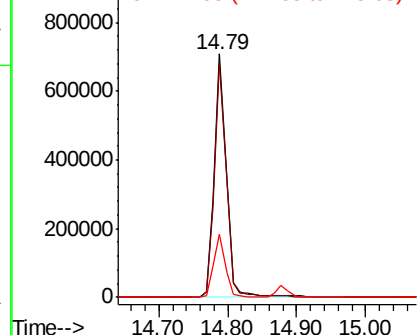
#93
 1,2,4-Trichlorobenzene
 Concen: 49.926 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 863895
 Ion Ratio Lower Upper
 180 100
 182 96.5 48.1 144.4
 145 25.9 11.5 34.4

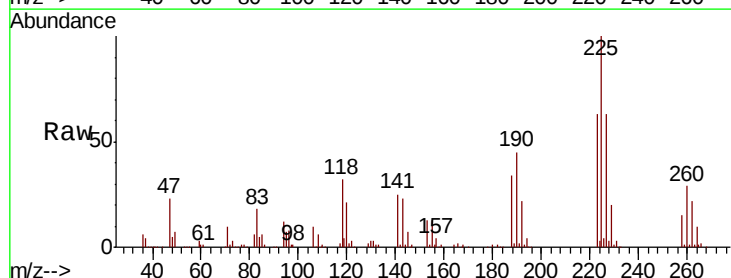


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

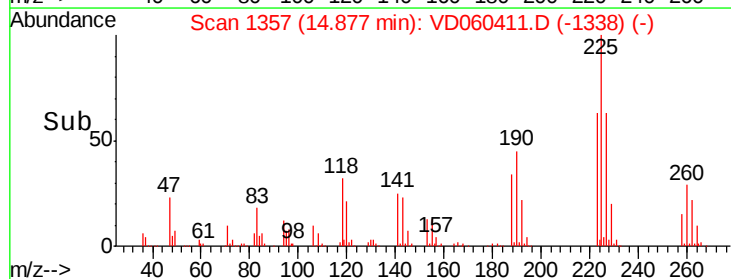
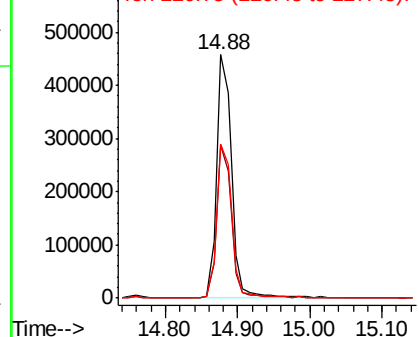


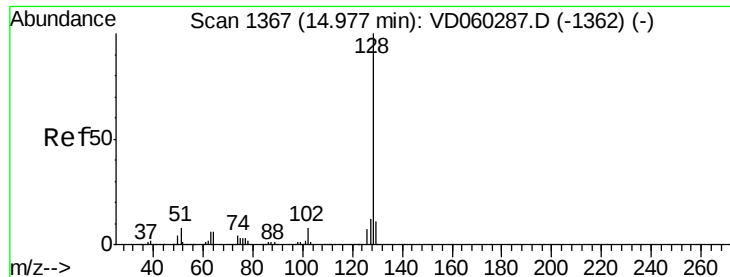
#94
 Hexachlorobutadiene
 Concen: 50.317 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060411.D
 Acq: 19 Nov 2018 12:13

Tgt Ion:225 Resp: 651231
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.6 94.8
 227 63.5 32.3 96.9



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: 51.254 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

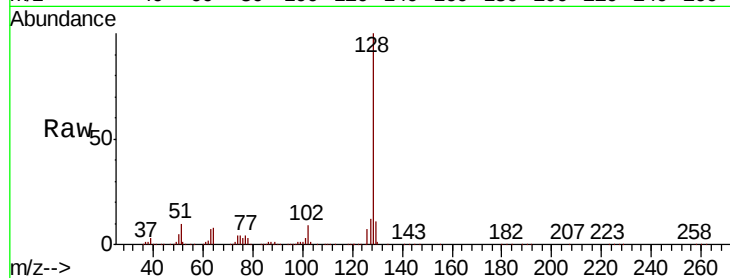
Tot Ion:128 Resp: 1082951

Ion Ratio Lower Upper

128 100

127 12.2 9.6 14.4

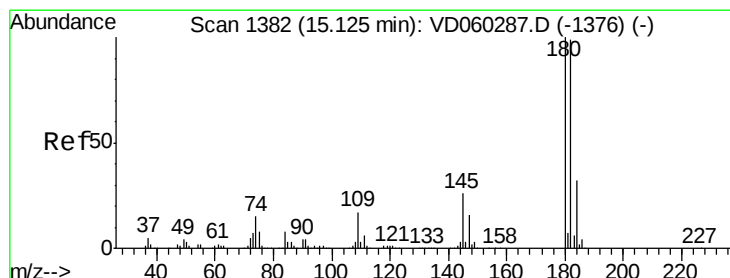
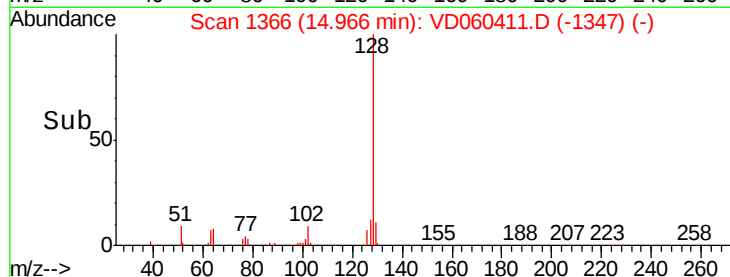
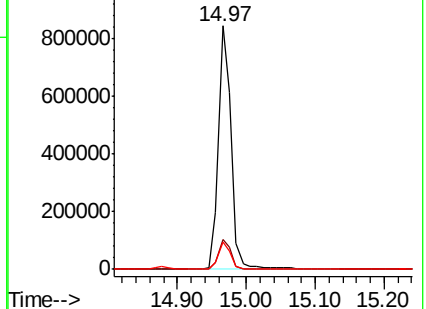
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.464 ug/l

RT: 15.11 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VD060411.D

Acq: 19 Nov 2018 12:13

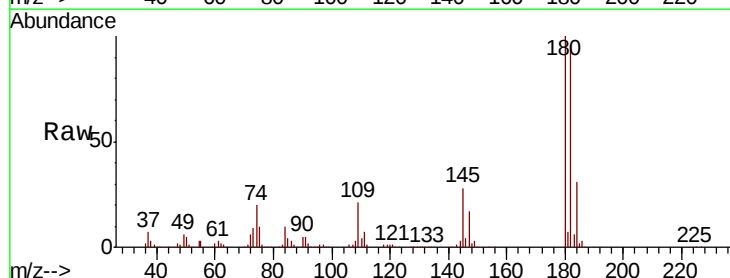
Tgt Ion:180 Resp: 685869

Ion Ratio Lower Upper

180 100

182 96.3 48.9 146.7

145 27.7 12.9 38.6



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

