

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013019\
 Data File : VD060799.D
 Acq On : 30 Jan 2019 11:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 31 04:51:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.82	168	587744	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.00	114	864735	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.17	117	672943	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.33	152	334073	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.24	65	468306	51.97	ug/l	0.03
Spiked Amount			Recovery	=	103.94%	
35) Dibromofluoromethane	6.71	113	408698	49.28	ug/l	0.03
Spiked Amount			Recovery	=	98.56%	
50) Toluene-d8	10.20	98	898846	46.41	ug/l	0.02
Spiked Amount			Recovery	=	92.82%	
62) 4-Bromofluorobenzene	13.36	95	453654	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	426978	59.751	ug/l	96
3) Chloromethane	1.78	50	217536	50.845	ug/l	94
4) Vinyl Chloride	1.87	62	252365	55.570	ug/l	95
5) Bromomethane	2.16	94	71452	49.806	ug/l	96
6) Chloroethane	2.27	64	100514	59.839	ug/l	97
7) Trichlorofluoromethane	2.51	101	545586	61.030	ug/l	98
8) Diethyl Ether	2.83	74	75416	57.251	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.09	101	275829	60.882	ug/l	97
10) Methyl Iodide	3.24	142	281385	59.322	ug/l	98
11) Tert butyl alcohol	3.95	59	114189	265.181	ug/l #	92
12) 1,1-Dichloroethene	3.08	96	179766	58.064	ug/l	97
13) Acrolein	2.99	56	39646	274.867	ug/l	100
14) Allyl chloride	3.53	41	402098	55.809	ug/l	98
15) Acrylonitrile	4.07	53	254042	263.302	ug/l	97
16) Acetone	3.15	43	366124	281.324	ug/l	97
17) Carbon Disulfide	3.31	76	584901	53.334	ug/l	98
18) Methyl Acetate	3.55	43	138331	53.617	ug/l	98
19) Methyl tert-butyl Ether	4.11	73	756929	53.552	ug/l	98
20) Methylene Chloride	3.71	84	308811	54.370	ug/l	95
21) trans-1,2-Dichloroethene	4.08	96	290153	53.163	ug/l	99
22) Diisopropyl ether	4.92	45	999632	53.842	ug/l	97
23) Vinyl Acetate	4.87	43	2853810	266.919	ug/l	98
24) 1,1-Dichloroethane	4.80	63	644033	52.988	ug/l	99
25) 2-Butanone	5.86	43	466624	280.125	ug/l	97
26) 2,2-Dichloropropane	5.81	77	718508	56.105	ug/l	100
27) cis-1,2-Dichloroethene	5.83	96	318068	51.169	ug/l	98
28) Bromochloromethane	6.23	49	239261	50.462	ug/l	90
29) Tetrahydrofuran	6.26	42	215315	269.164	ug/l	99
30) Chloroform	6.45	83	805642	56.082	ug/l	96
31) Cyclohexane	6.74	56	475470	57.496	ug/l	100
32) 1,1,1-Trichloroethane	6.66	97	788280	56.981	ug/l	94
36) 1,1-Dichloropropene	6.93	75	520021	50.366	ug/l	99
37) Ethyl Acetate	5.97	43	219832	47.697	ug/l	97
38) Carbon Tetrachloride	6.90	117	669150	51.684	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.65	83	448966	51.925	ug/l	97
40) Benzene	7.24	78	1024895	50.295	ug/l	100
41) Methacrylonitrile	6.25	41	284512	97.202	ug/l	96
42) 1,2-Dichloroethane	7.37	62	614663	51.923	ug/l	99
43) Isopropyl Acetate	9.02	43	315490	52.483	ug/l #	96
44) Trichloroethene	8.32	130	350923	50.799	ug/l	95
45) 1,2-Dichloropropane	8.73	63	277989	50.395	ug/l	97
46) Dibromomethane	8.85	93	235714	55.045	ug/l	96
47) Bromodichloromethane	9.16	83	612206	52.966	ug/l	97
48) Methyl methacrylate	8.90	41	214726	51.800	ug/l	97
49) 1,4-Dioxane	8.87	88	35425	986.406	ug/l #	92
51) 4-Methyl-2-Pentanone	10.09	43	958389	246.195	ug/l	99
52) Toluene	10.30	92	632881	48.962	ug/l	96
53) t-1,3-Dichloropropene	10.71	75	520899	51.234	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	527469	50.592	ug/l	98
55) 1,1,2-Trichloroethane	10.99	97	210765	47.825	ug/l	97
56) Ethyl methacrylate	10.83	69	276774	51.843	ug/l	96
57) 1,3-Dichloropropane	11.21	76	388392	51.567	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.65	63	679680	242.642	ug/l	97
59) 2-Hexanone	11.34	43	796230	272.029	ug/l	96
60) Dibromochloromethane	11.48	129	399716	50.451	ug/l	99
61) 1,2-Dibromoethane	11.61	107	254814	49.096	ug/l	99
64) Tetrachloroethene	11.06	164	301924	48.886	ug/l	97
65) Chlorobenzene	12.20	112	756837	49.215	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.32	131	344468	52.137	ug/l	97
67) Ethyl Benzene	12.33	91	1431461	51.765	ug/l	100
68) m/p-Xylenes	12.48	106	869301	96.624	ug/l	97
69) o-Xylene	12.86	106	434804	48.830	ug/l	93
70) Styrene	12.88	104	742328	49.714	ug/l	98
71) Bromoform	13.04	173	251123	50.447	ug/l #	98
73) Isopropylbenzene	13.22	105	1341071	50.348	ug/l	99
74) N-amyl acetate	13.08	43	421967	51.531	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.51	83	248449	51.228	ug/l	99
76) 1,2,3-Trichloropropane	13.54	75	298412	48.712	ug/l	100
77) Bromobenzene	13.48	156	328228	47.938	ug/l	94
78) n-propylbenzene	13.58	91	1767713	52.866	ug/l	96
79) 2-Chlorotoluene	13.65	91	1082244	53.065	ug/l	95
80) 1,3,5-Trimethylbenzene	14.05	105	1211899	52.851	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.28	75	78016	48.848	ug/l #	94
82) 4-Chlorotoluene	13.76	91	1243122	54.843	ug/l	95
83) tert-Butylbenzene	14.00	119	1281678	53.424	ug/l	92
84) 1,2,4-Trimethylbenzene	14.05	105	1211899	52.851	ug/l	98
85) sec-Butylbenzene	14.18	105	1436744	52.611	ug/l	97
86) p-Isopropyltoluene	14.30	119	1216698	54.876	ug/l	97
87) 1,3-Dichlorobenzene	14.27	146	616560	50.345	ug/l	97
88) 1,4-Dichlorobenzene	14.35	146	617075	51.859	ug/l	96
89) n-Butylbenzene	14.61	91	1194948	51.656	ug/l	97
90) Hexachloroethane	14.82	117	341465	51.754	ug/l	85
91) 1,2-Dichlorobenzene	14.62	146	496696	48.862	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.19	75	61071	53.003	ug/l	86

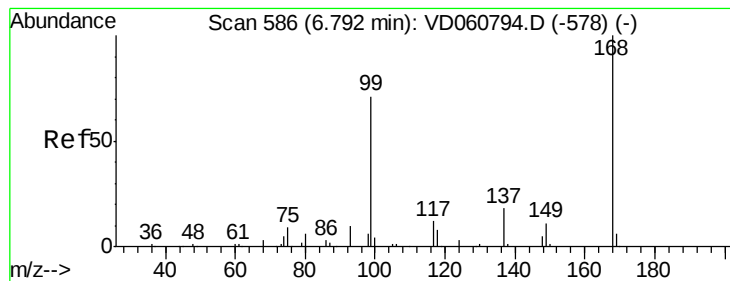
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.76	180	490111	55.683	ug/l	98
94) Hexachlorobutadiene	15.85	225	345993	52.391	ug/l	99
95) Naphthalene	15.93	128	722225	53.405	ug/l	100
96) 1,2,3-Trichlorobenzene	16.08	180	393235	51.379	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.82 min Scan# 588

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

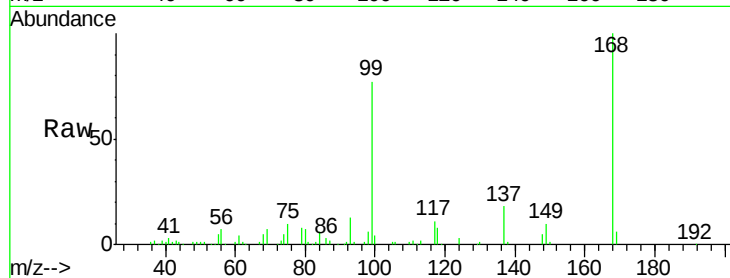
VSTDCCC050

Tot Ion:168 Resp: 587744

Ion Ratio Lower Upper

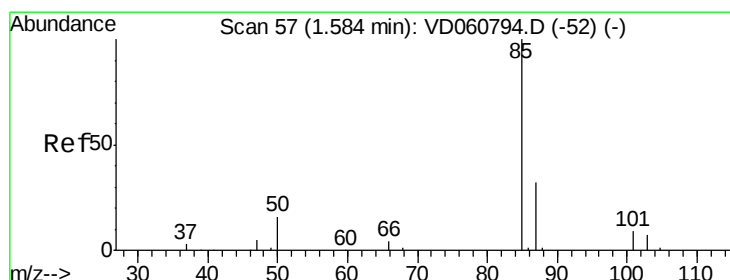
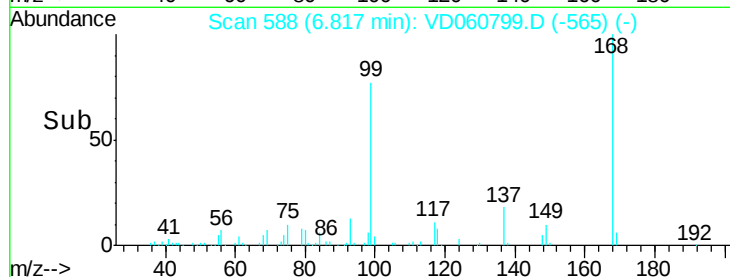
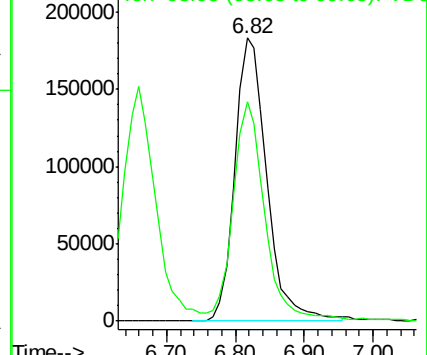
168 100

99 77.4 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 59.751 ug/l

RT: 1.61 min Scan# 59

Delta R.T. 0.03 min

Lab File: VD060799.D

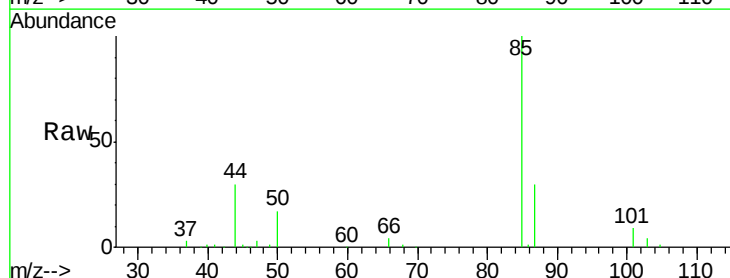
Acq: 30 Jan 2019 11:46

Tgt Ion: 85 Resp: 426978

Ion Ratio Lower Upper

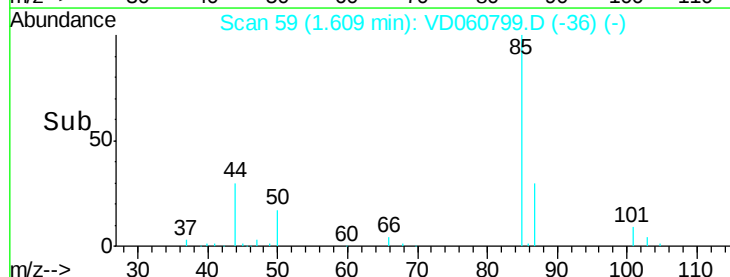
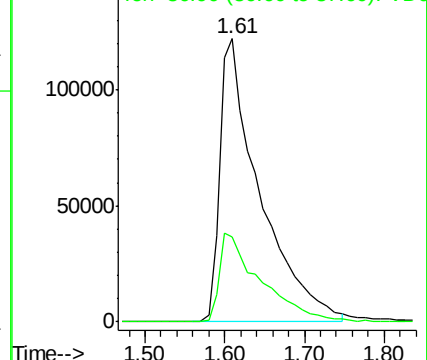
85 100

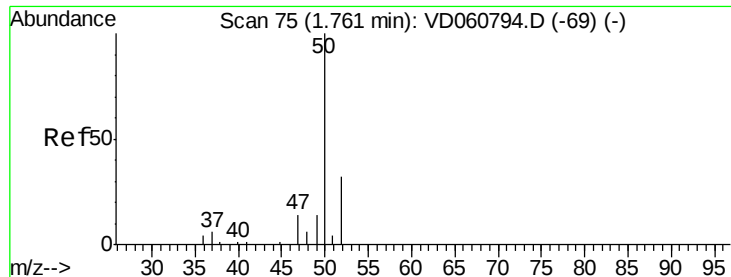
87 29.8 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.845 ug/l

RT: 1.78 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

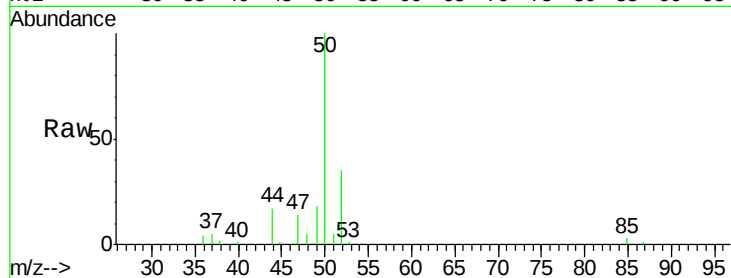
VSTDCCC050

Tot Ion: 50 Resp: 217536

Ion Ratio Lower Upper

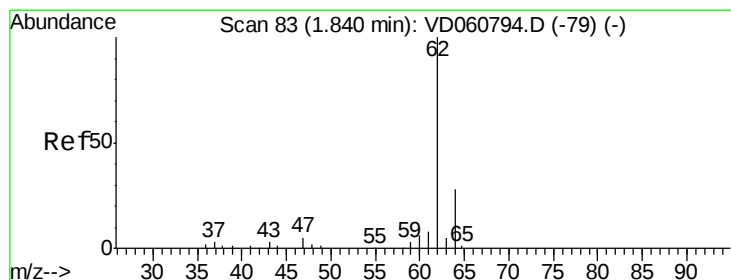
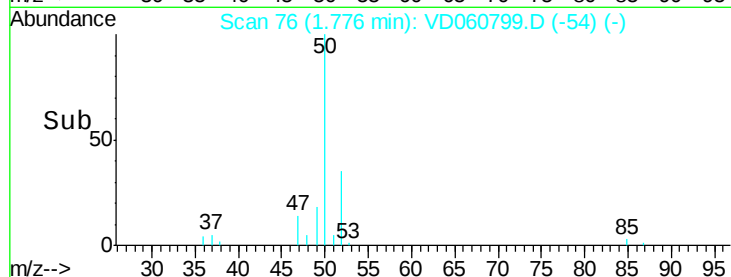
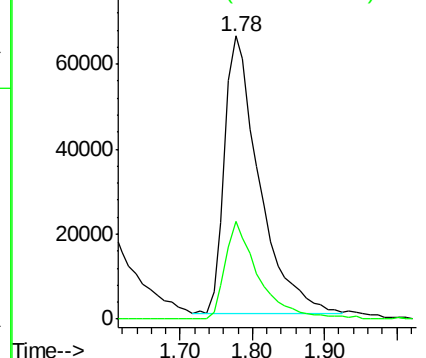
50 100

52 34.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 55.570 ug/l

RT: 1.87 min Scan# 85

Delta R.T. 0.03 min

Lab File: VD060799.D

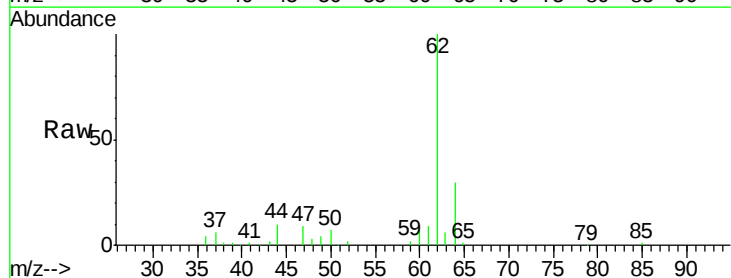
Acq: 30 Jan 2019 11:46

Tgt Ion: 62 Resp: 252365

Ion Ratio Lower Upper

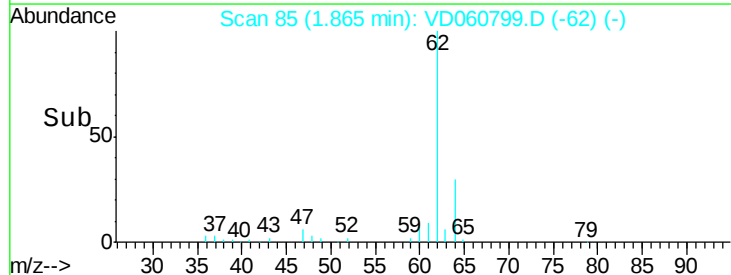
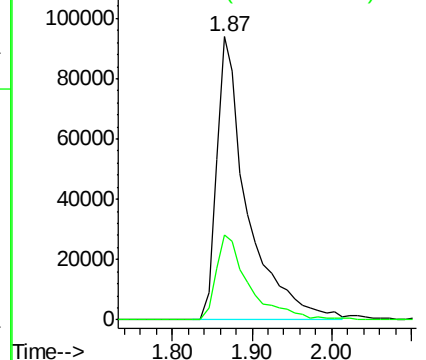
62 100

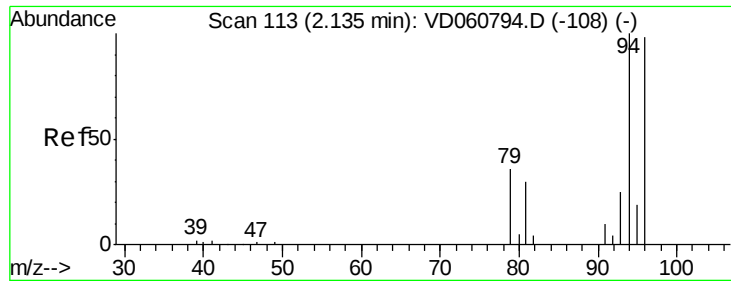
64 30.0 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

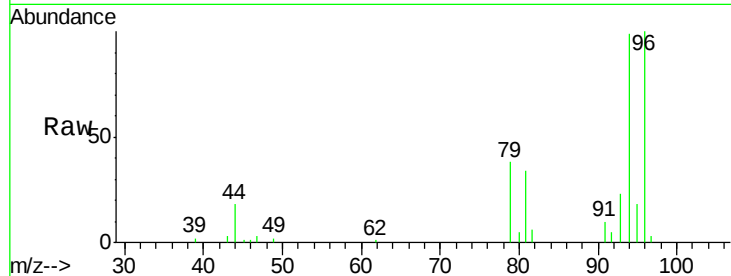




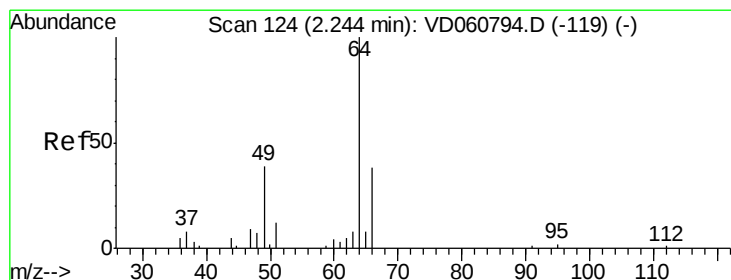
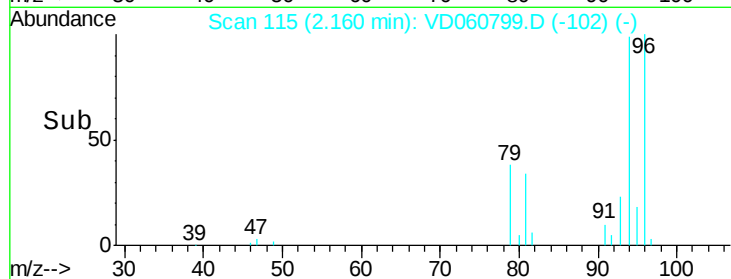
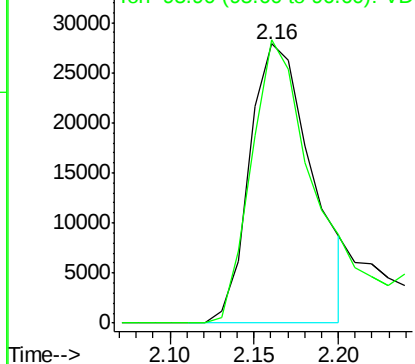
#5
Bromomethane
Concen: 49.806 ug/l
RT: 2.16 min Scan# 115
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 71452
Ion Ratio Lower Upper
94 100
96 101.3 78.0 117.0

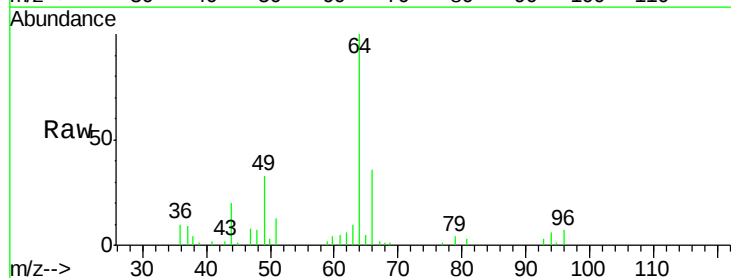


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

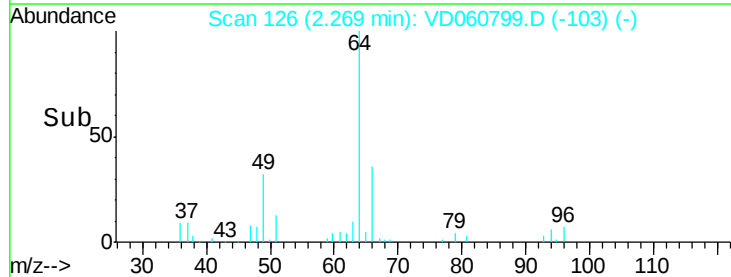
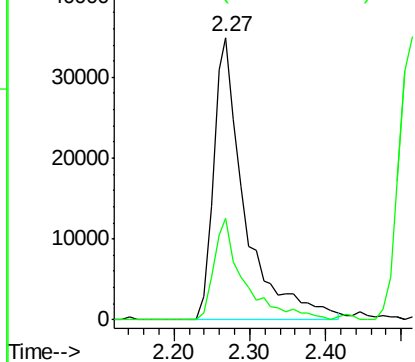


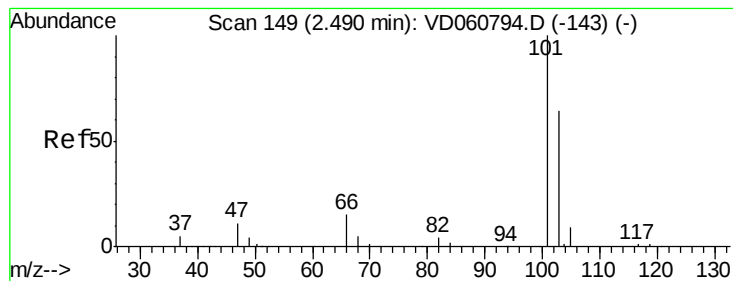
#6
Chloroethane
Concen: 59.839 ug/l
RT: 2.27 min Scan# 126
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion: 64 Resp: 100514
Ion Ratio Lower Upper
64 100
66 35.8 30.2 45.4



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



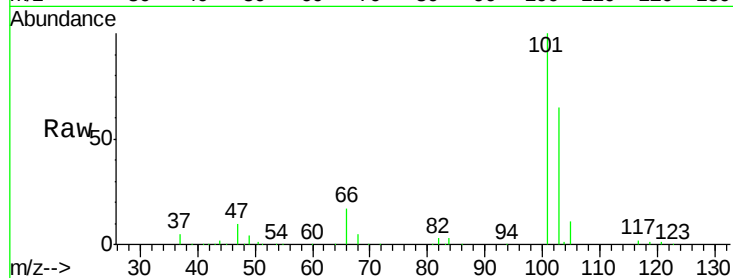


#7

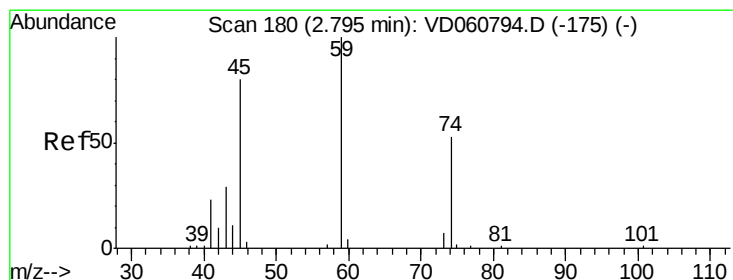
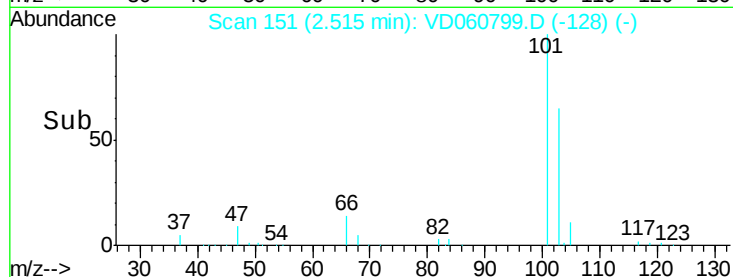
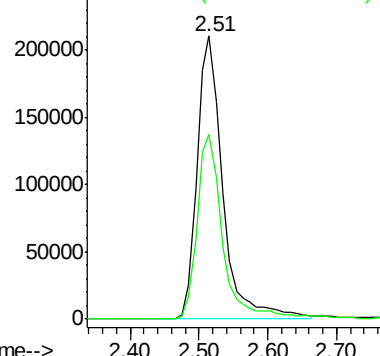
Trichlorofluoromethane
 Concen: 61.030 ug/l
 RT: 2.51 min Scan# 151
 Delta R.T. 0.03 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Instrument :
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 VSTDCCC050

Tot Ion:101 Resp: 545586
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.3 76.9



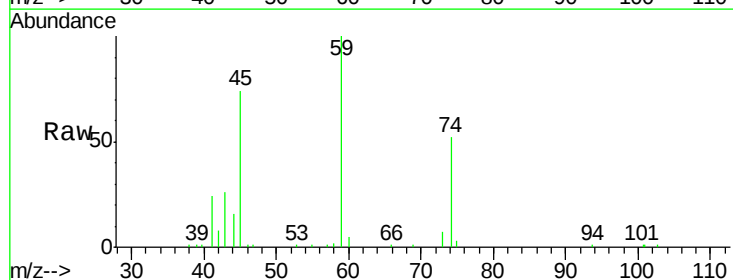
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



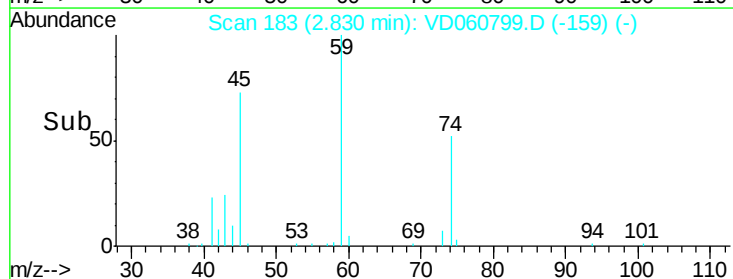
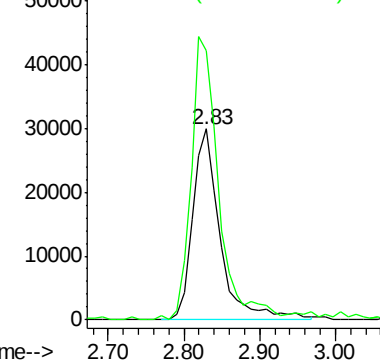
#8

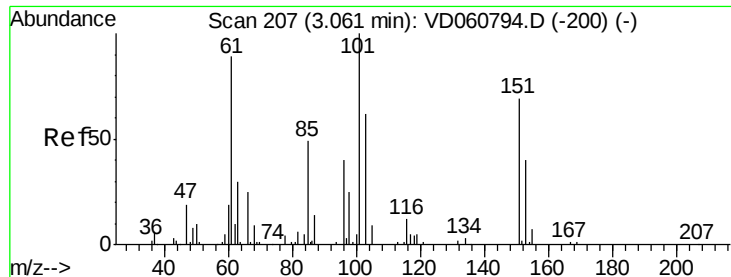
Diethyl Ether
 Concen: 57.251 ug/l
 RT: 2.83 min Scan# 183
 Delta R.T. 0.03 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion: 74 Resp: 75416
 Ion Ratio Lower Upper
 74 100
 45 141.2 75.6 226.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 60.882 ug/l

RT: 3.09 min Scan# 209

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

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VSTDCCC050

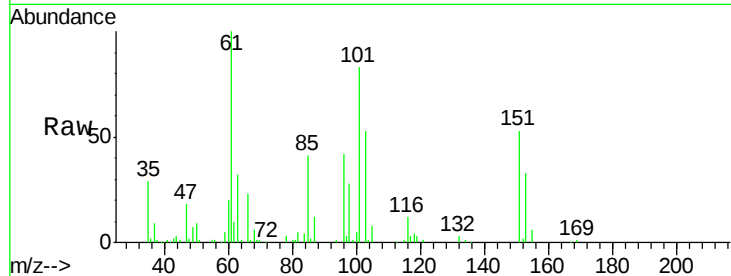
Tot Ion:101 Resp: 275829

Ion Ratio Lower Upper

101 100

85 49.3 39.3 58.9

151 64.2 55.1 82.7

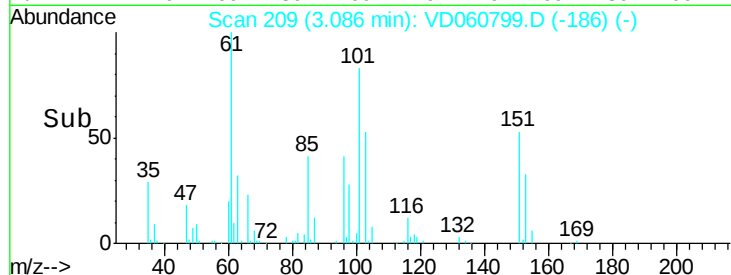


Abundance Ion 100.85 (100.55 to 101.55): V

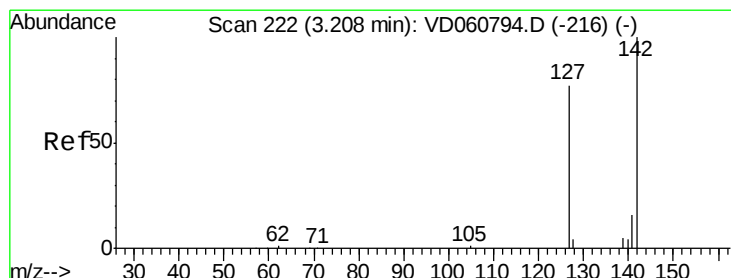
Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

Time-->



Time-->



#10

Methyl Iodide

Concen: 59.322 ug/l

RT: 3.24 min Scan# 225

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

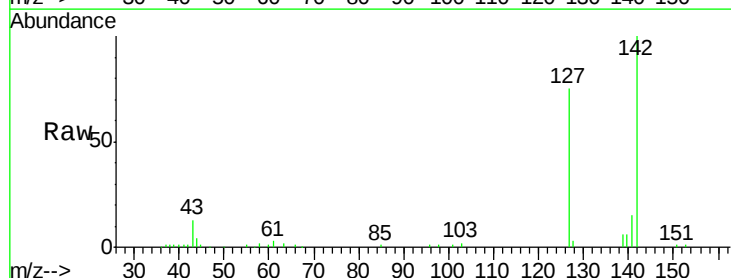
Tgt Ion:142 Resp: 281385

Ion Ratio Lower Upper

142 100

127 74.7 61.6 92.4

141 15.4 12.5 18.7

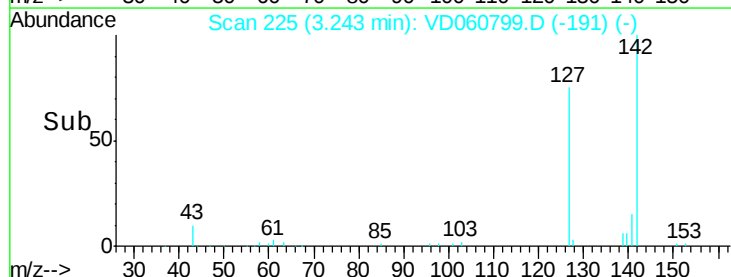


Abundance Ion 141.85 (141.55 to 142.55): V

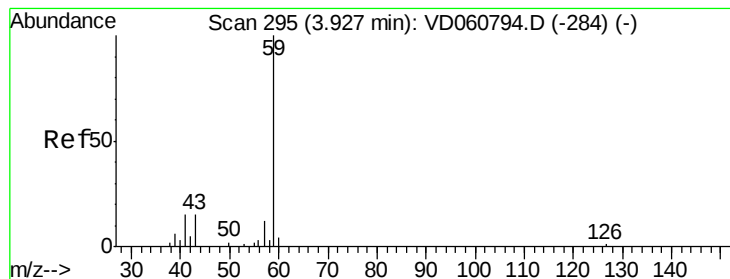
Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

Time-->



Time-->

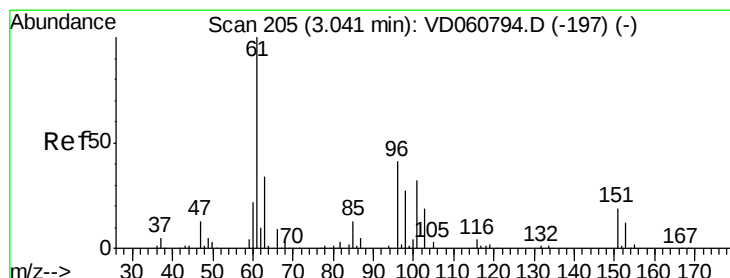
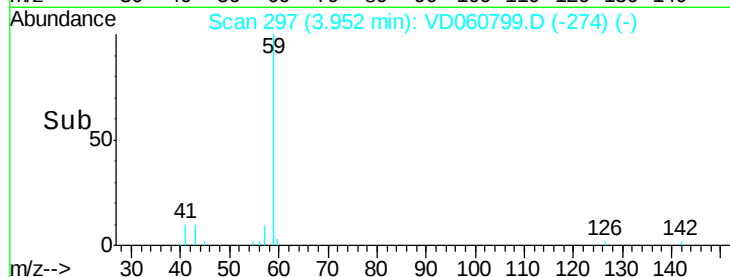
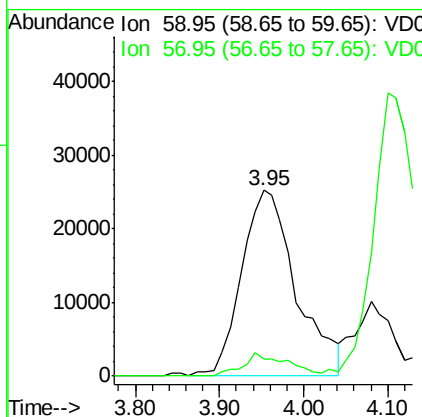
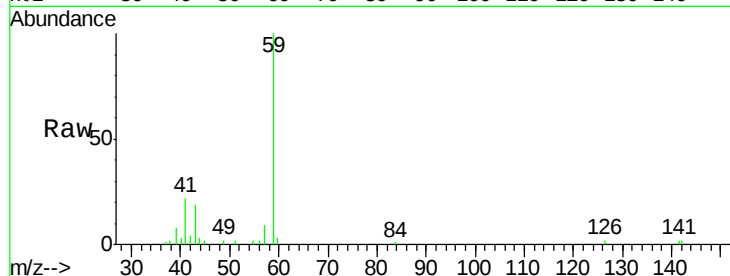


#11

Tert butyl alcohol
 Concen: 265.181 ug/l
 RT: 3.95 min Scan# 297
 Delta R.T. 0.03 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

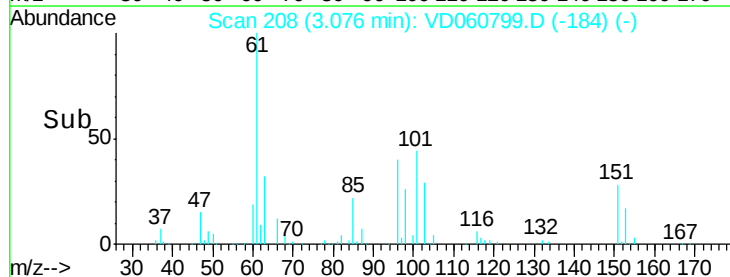
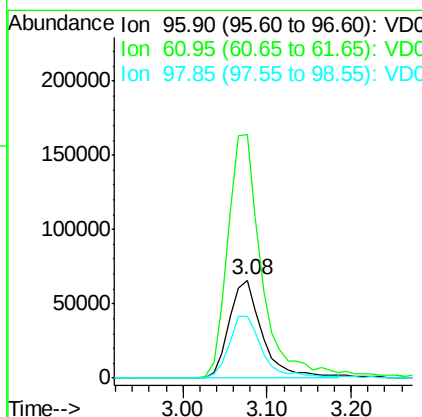
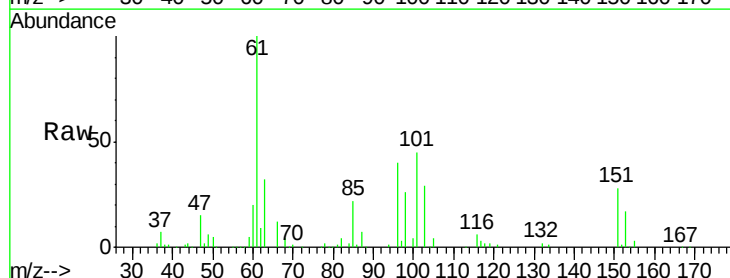
Tot Ion: 59 Resp: 114189
 Ion Ratio Lower Upper
 59 100
 57 9.2 9.8 14.6#

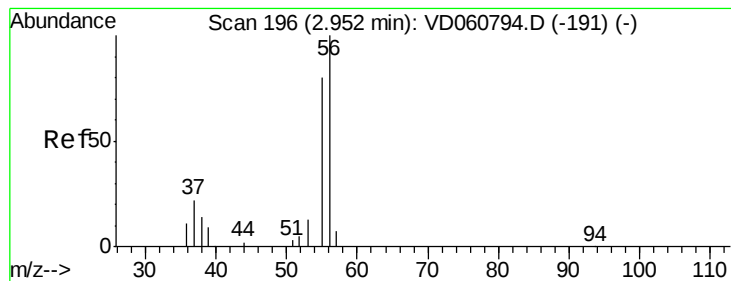


#12

1,1-Dichloroethene
 Concen: 58.064 ug/l
 RT: 3.08 min Scan# 208
 Delta R.T. 0.03 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion: 96 Resp: 179766
 Ion Ratio Lower Upper
 96 100
 61 249.1 195.1 292.7
 98 63.7 52.5 78.7





#13

Acrolein

Concen: 274.867 ug/l

RT: 2.99 min Scan# 199

Delta R.T. 0.04 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

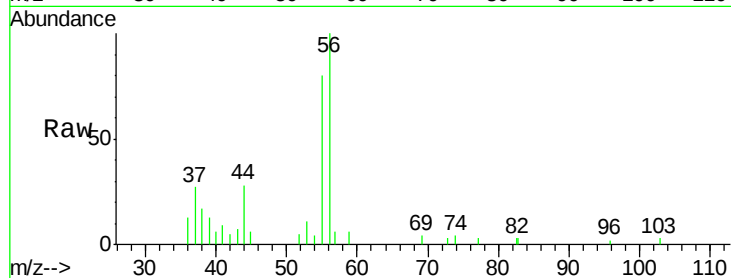
VSTDCCC050

Tot Ion: 56 Resp: 39646

Ion Ratio Lower Upper

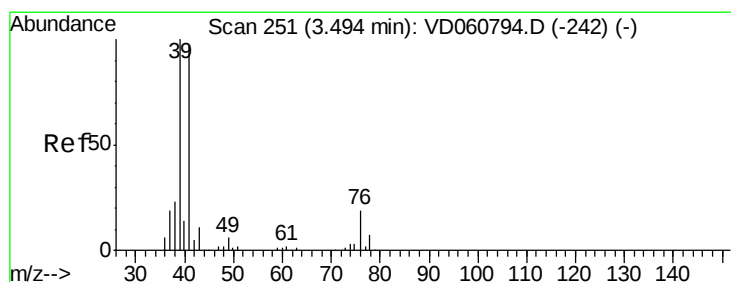
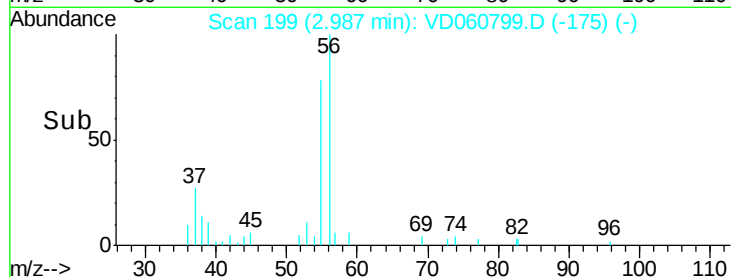
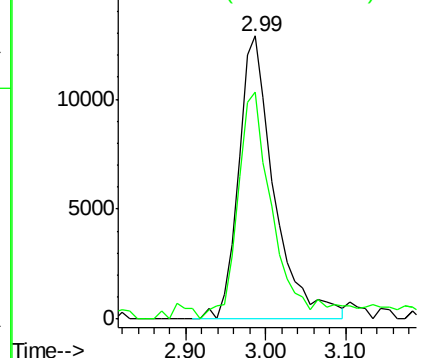
56 100

55 80.4 64.2 96.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 55.809 ug/l

RT: 3.53 min Scan# 254

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

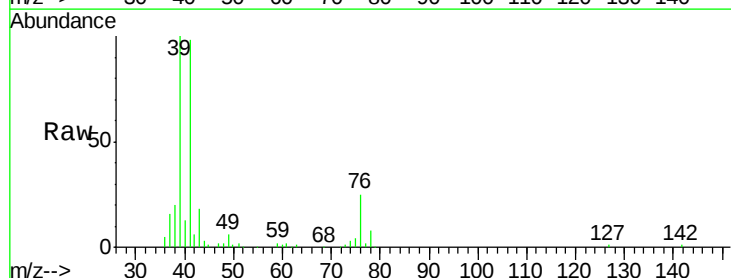
Tgt Ion: 41 Resp: 402098

Ion Ratio Lower Upper

41 100

39 101.7 82.6 123.8

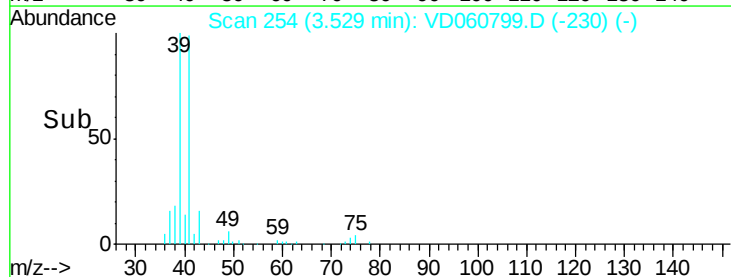
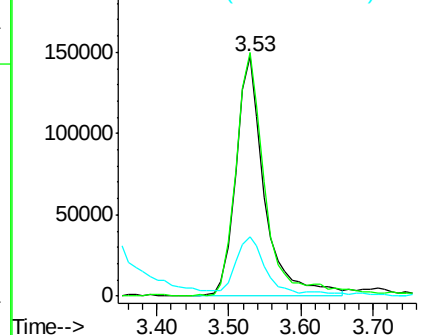
76 25.0 18.9 28.3

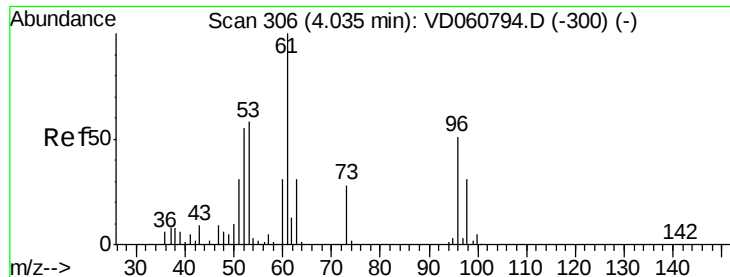


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 263.302 ug/l

RT: 4.07 min Scan# 309

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

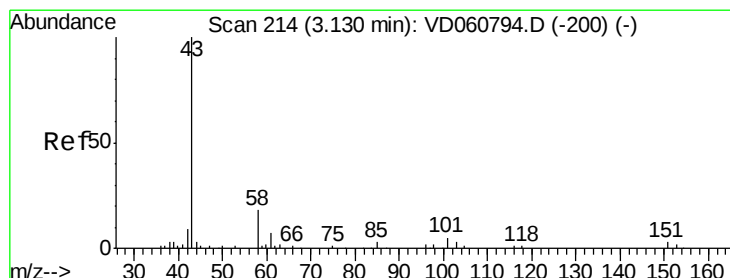
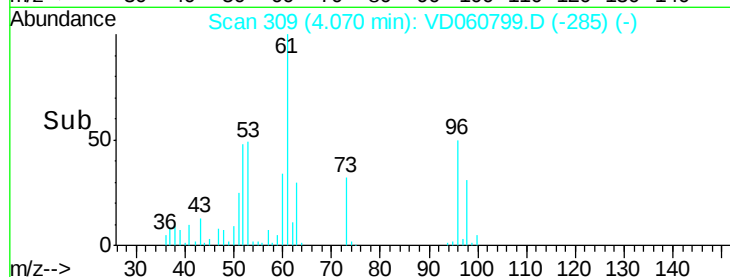
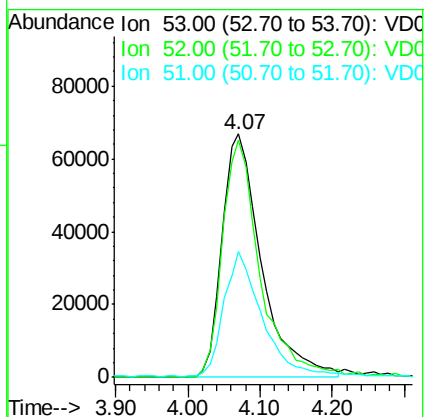
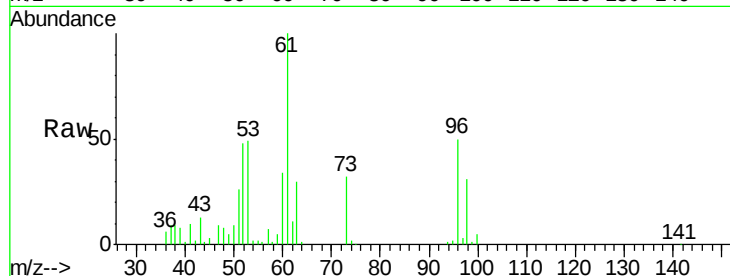
Tot Ion: 53 Resp: 254042

Ion Ratio Lower Upper

53 100

52 97.6 75.4 113.2

51 51.9 42.5 63.7



#16

Acetone

Concen: 281.324 ug/l

RT: 3.15 min Scan# 216

Delta R.T. 0.03 min

Lab File: VD060799.D

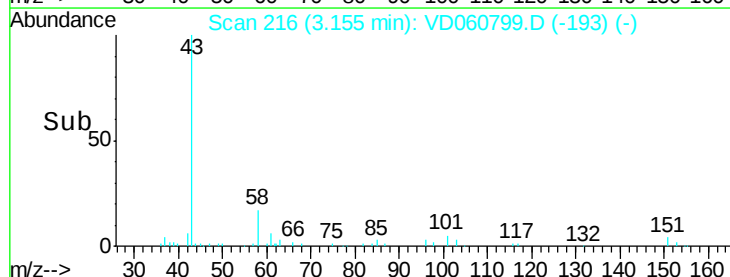
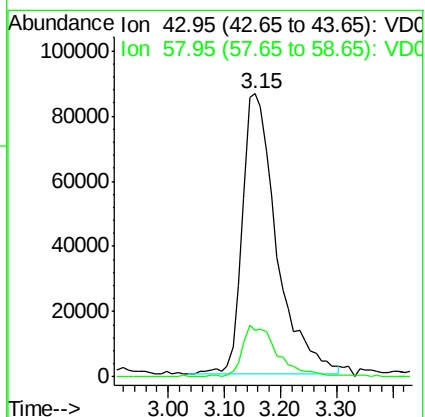
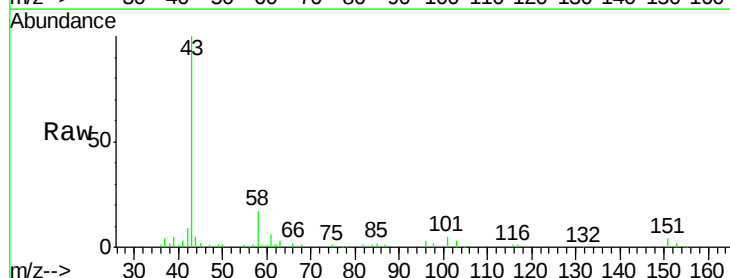
Acq: 30 Jan 2019 11:46

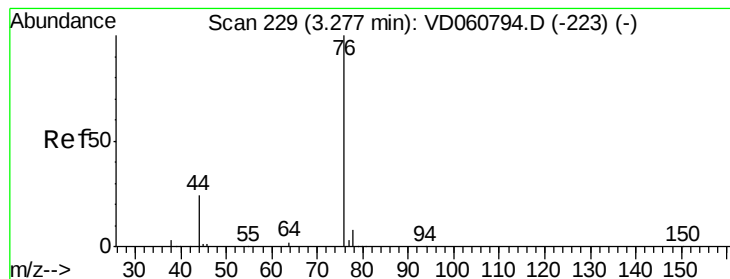
Tgt Ion: 43 Resp: 366124

Ion Ratio Lower Upper

43 100

58 16.6 14.5 21.7





#17

Carbon Disulfide

Concen: 53.334 ug/l

RT: 3.31 min Scan# 232

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

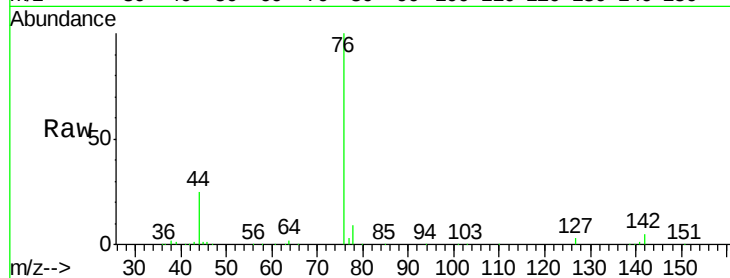
VSTDCCC050

Tot Ion: 76 Resp: 584901

Ion Ratio Lower Upper

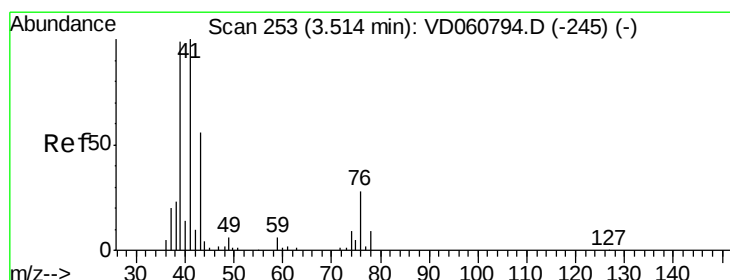
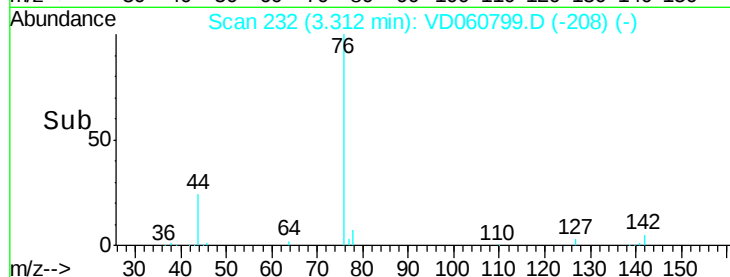
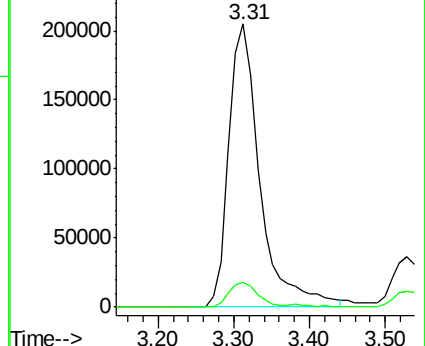
76 100

78 8.8 6.5 9.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 53.617 ug/l

RT: 3.55 min Scan# 256

Delta R.T. 0.03 min

Lab File: VD060799.D

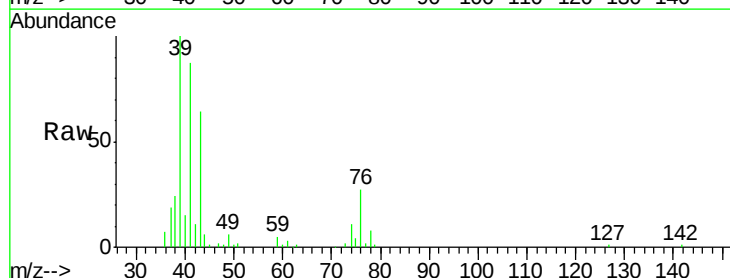
Acq: 30 Jan 2019 11:46

Tgt Ion: 43 Resp: 138331

Ion Ratio Lower Upper

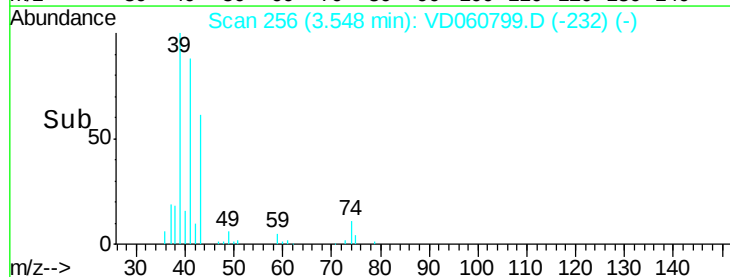
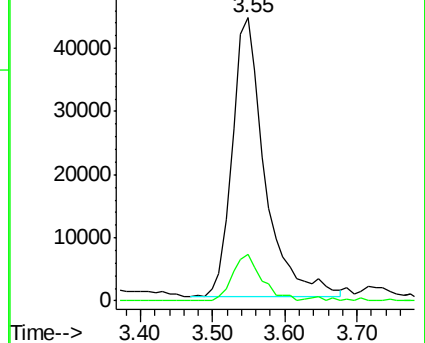
43 100

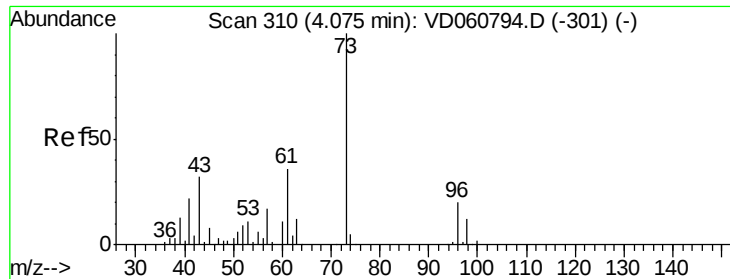
74 16.4 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

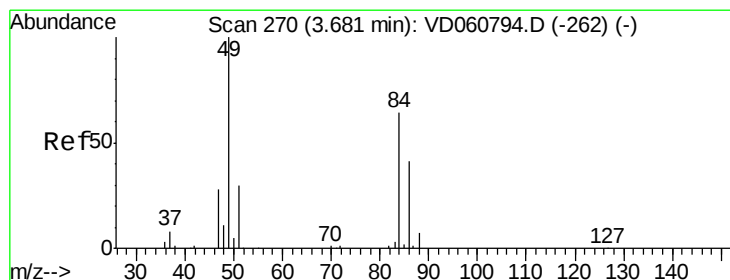
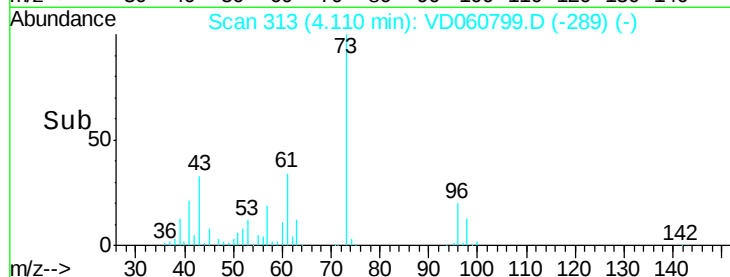
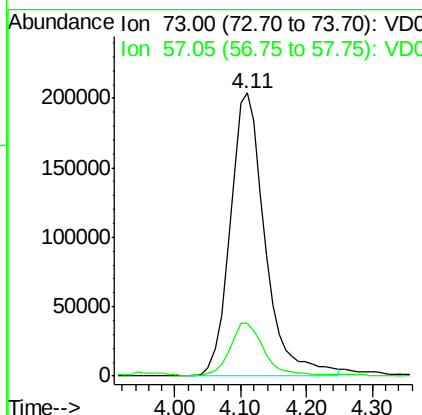
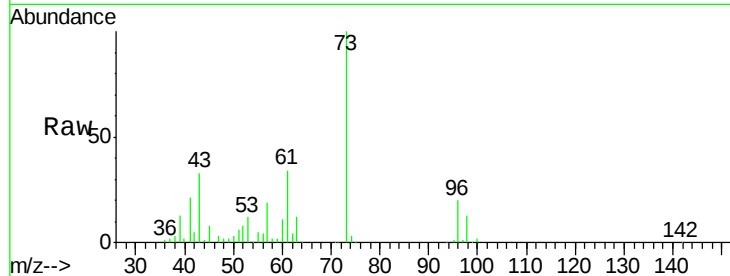




#19
Methyl tert-butyl Ether
Concen: 53.552 ug/l
RT: 4.11 min Scan# 313
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

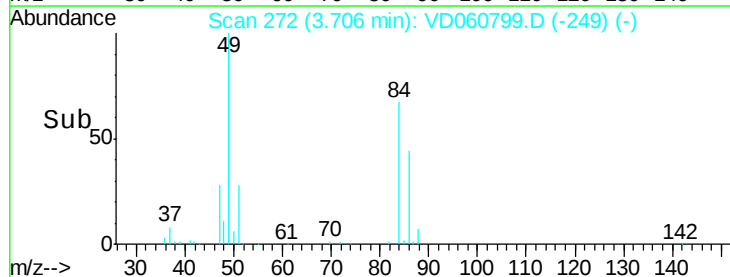
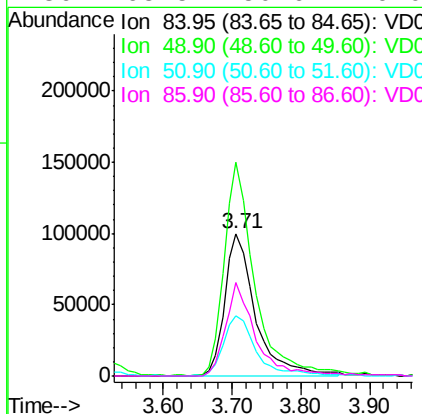
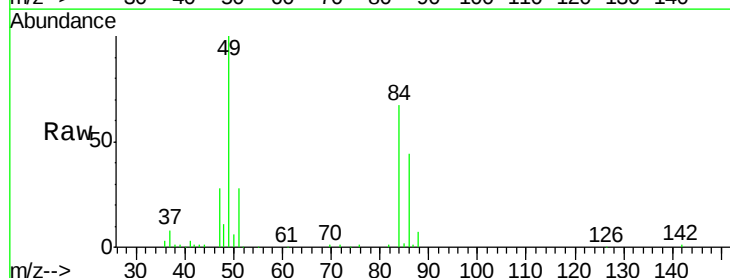
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

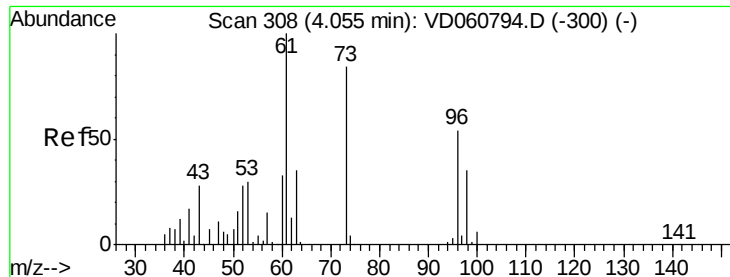
Tot Ion: 73 Resp: 756929
Ion Ratio Lower Upper
73 100
57 18.6 14.0 21.0



#20
Methylene Chloride
Concen: 54.370 ug/l
RT: 3.71 min Scan# 272
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion: 84 Resp: 308811
Ion Ratio Lower Upper
84 100
49 149.7 124.2 186.2
51 42.3 38.1 57.1
86 65.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 53.163 ug/l

RT: 4.08 min Scan# 310

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

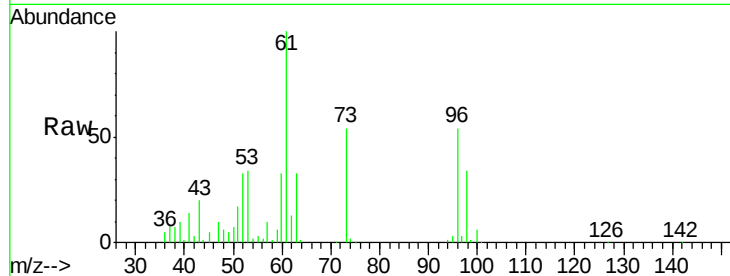
Tot Ion: 96 Resp: 290153

Ion Ratio Lower Upper

96 100

61 186.3 147.4 221.2

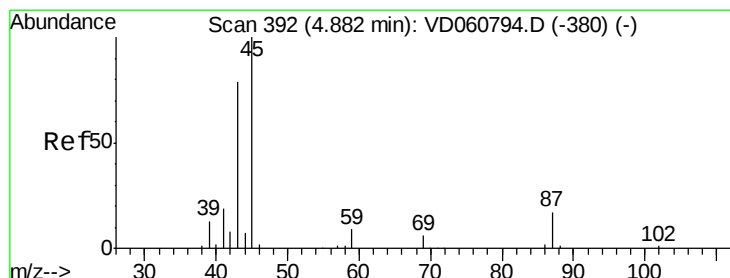
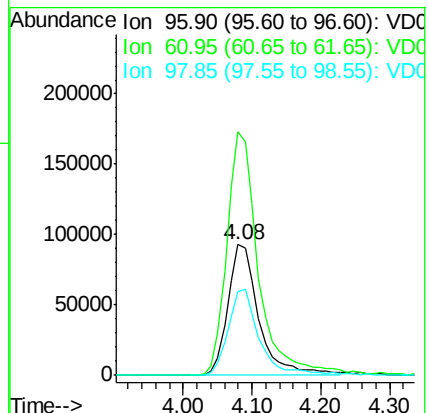
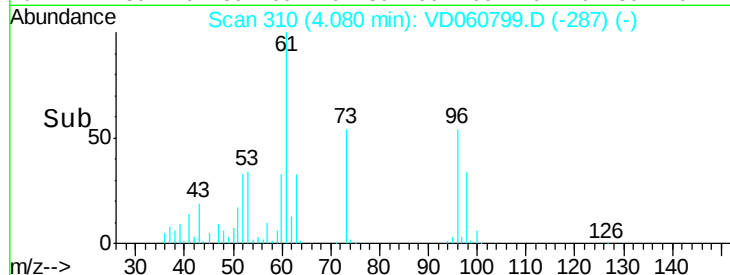
98 63.5 51.5 77.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 53.842 ug/l

RT: 4.92 min Scan# 395

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Tgt Ion: 45 Resp: 999632

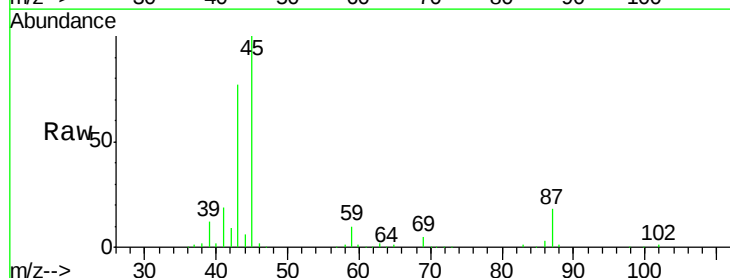
Ion Ratio Lower Upper

45 100

43 77.2 64.3 96.5

87 17.6 14.3 21.5

59 10.0 7.8 11.8

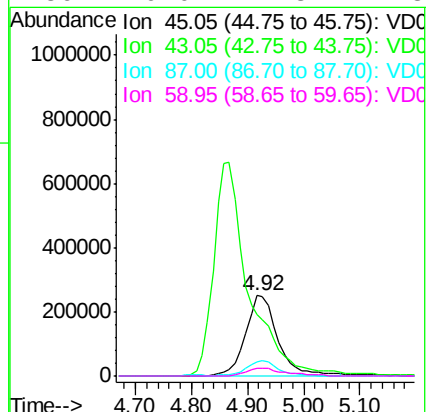
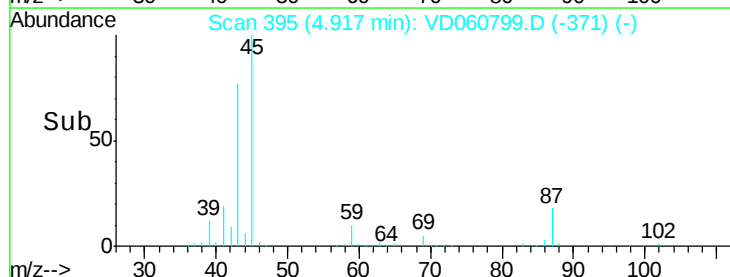


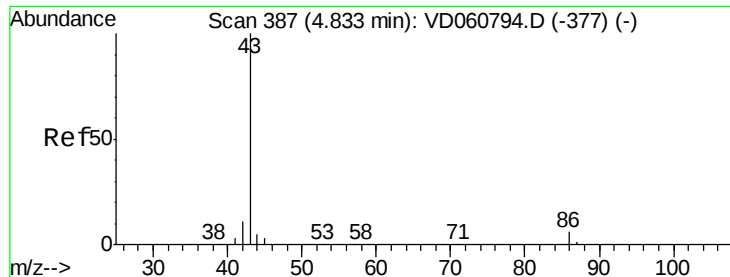
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 266.919 ug/l

RT: 4.87 min Scan# 390

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

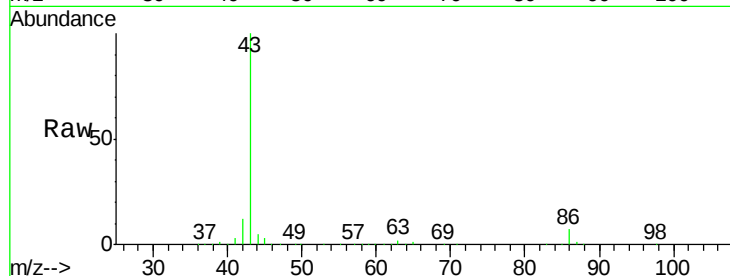
VSTDCCC050

Tot Ion: 43 Resp: 2853810

Ion Ratio Lower Upper

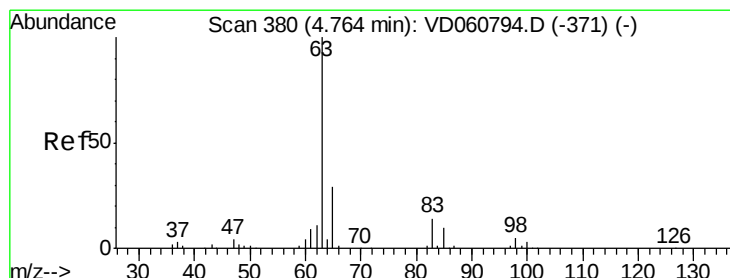
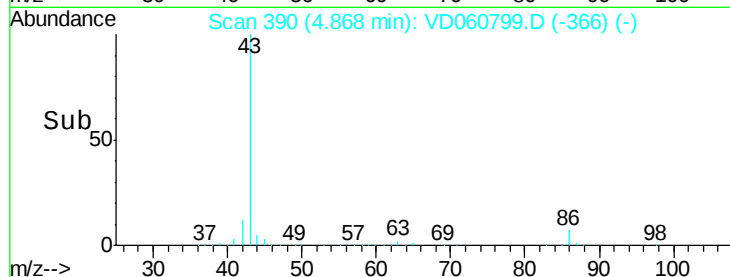
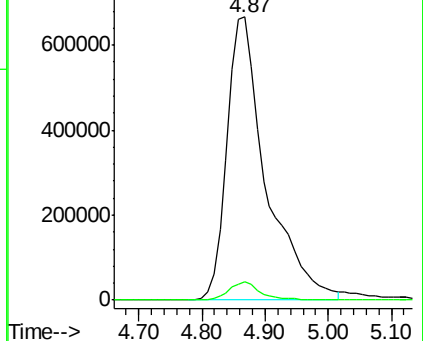
43 100

86 6.7 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.988 ug/l

RT: 4.80 min Scan# 383

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

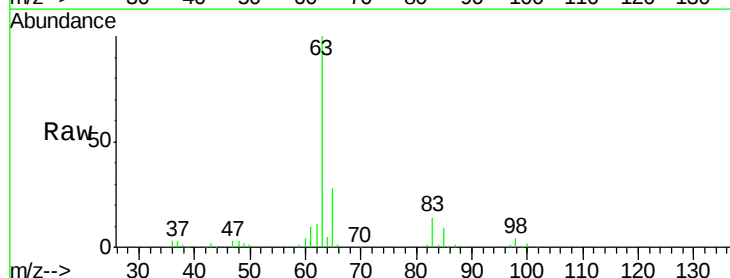
Tgt Ion: 63 Resp: 644033

Ion Ratio Lower Upper

63 100

98 4.1 2.3 6.9

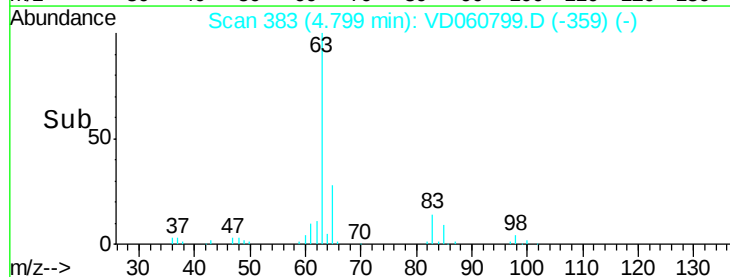
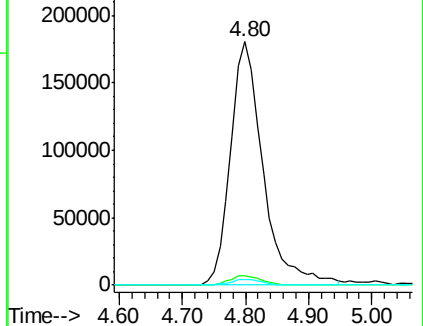
100 2.5 1.3 3.8

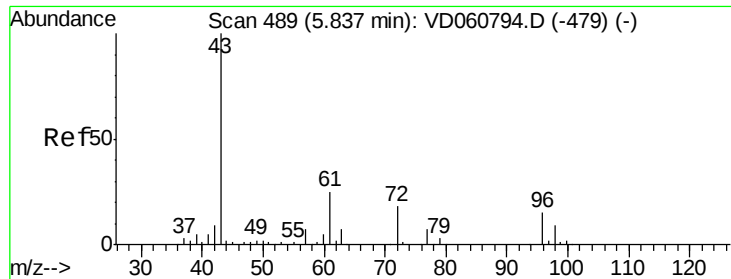


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 280.125 ug/l

RT: 5.86 min Scan# 491

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

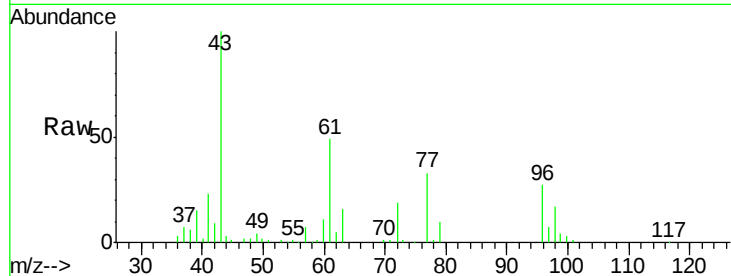
VSTDCCC050

Tot Ion: 43 Resp: 466624

Ion Ratio Lower Upper

43 100

72 19.5 14.4 21.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

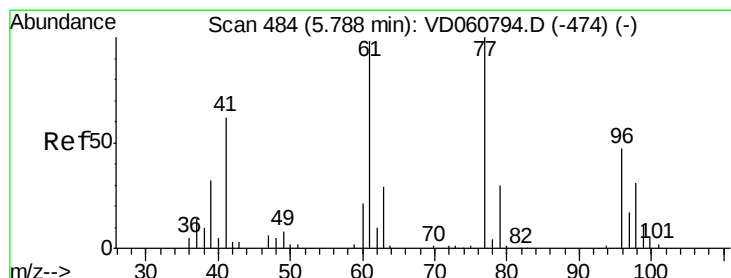
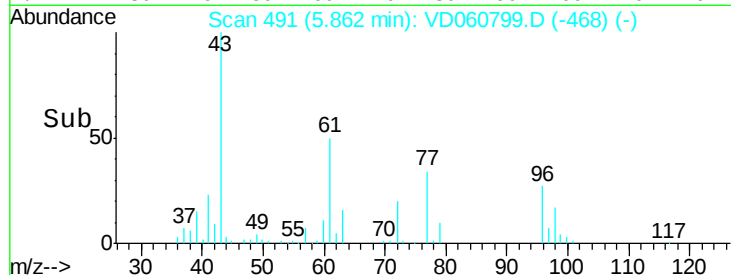
100000

50000

0

5.70 5.80 5.90

Time-->



#26

2,2-Dichloropropane

Concen: 56.105 ug/l

RT: 5.81 min Scan# 486

Delta R.T. 0.03 min

Lab File: VD060799.D

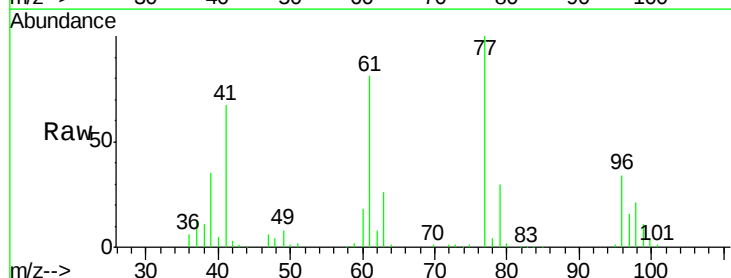
Acq: 30 Jan 2019 11:46

Tgt Ion: 77 Resp: 718508

Ion Ratio Lower Upper

77 100

97 16.4 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

200000

150000

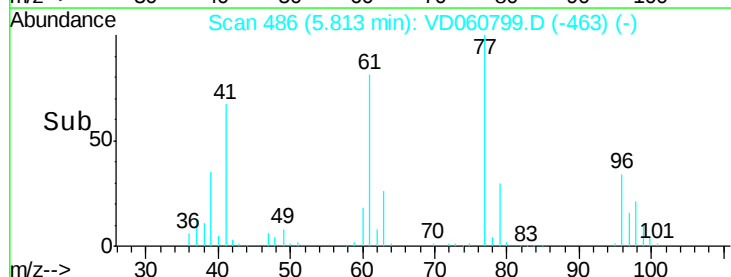
100000

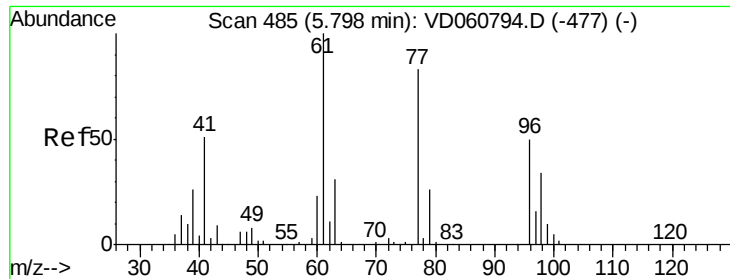
50000

0

5.70 5.80 5.90 6.00

Time-->

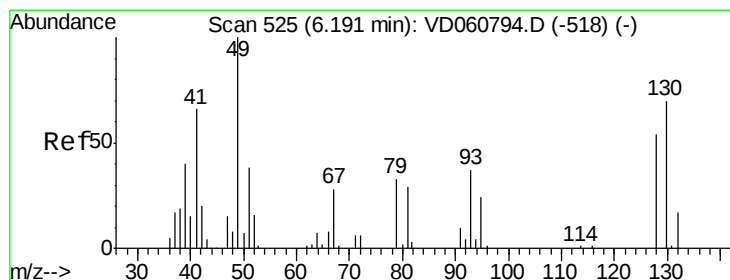
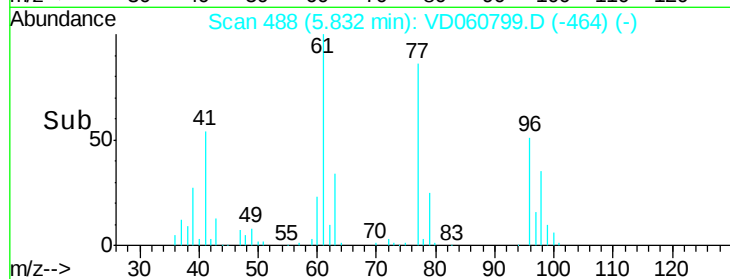
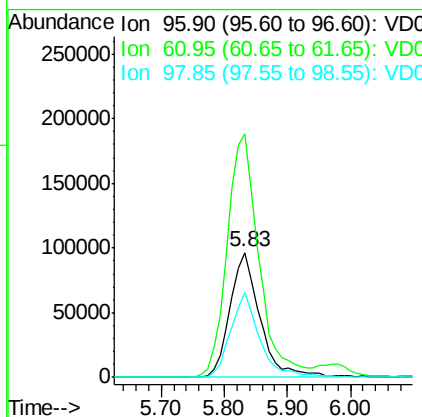
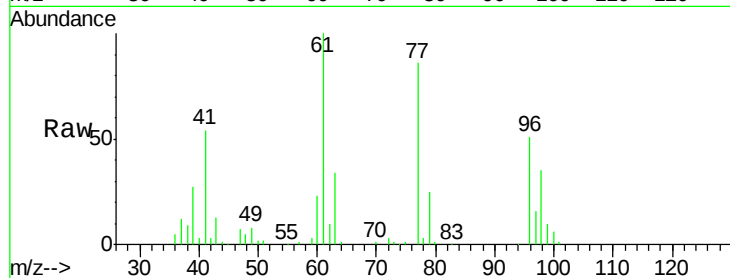




#27
 cis-1,2-Dichloroethene
 Concen: 51.169 ug/l
 RT: 5.83 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

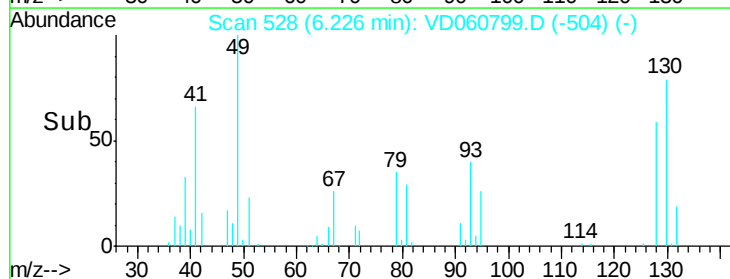
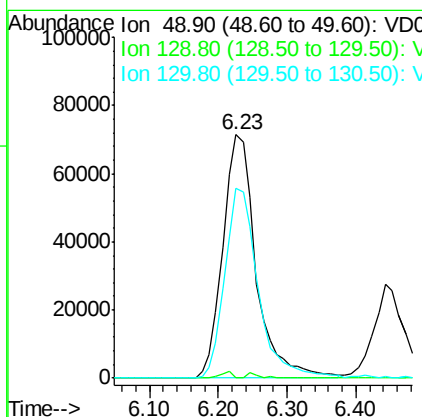
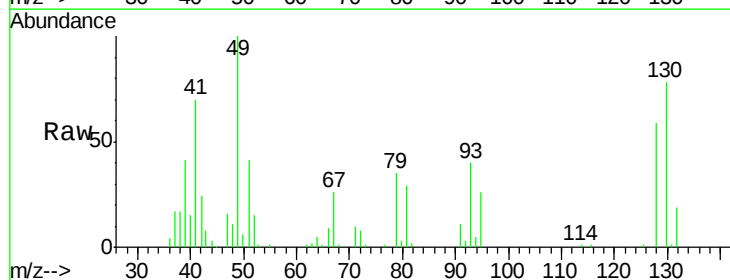
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

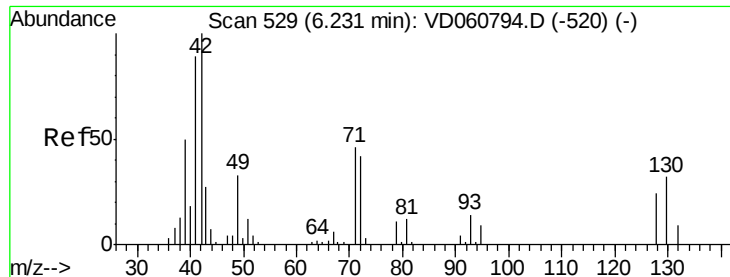
Tot Ion: 96 Resp: 318068
 Ion Ratio Lower Upper
 96 100
 61 195.1 0.0 400.0
 98 68.2 0.0 136.4



#28
 Bromochloromethane
 Concen: 50.462 ug/l
 RT: 6.23 min Scan# 528
 Delta R.T. 0.03 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion: 49 Resp: 239261
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 78.2 56.1 84.1

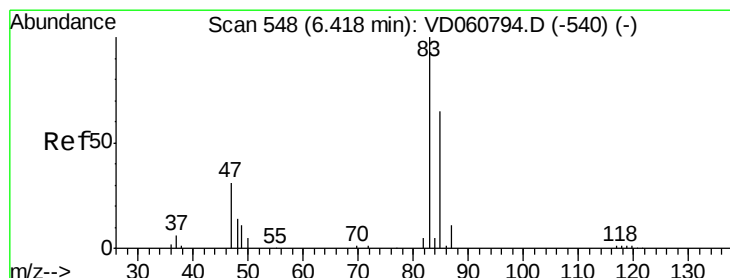
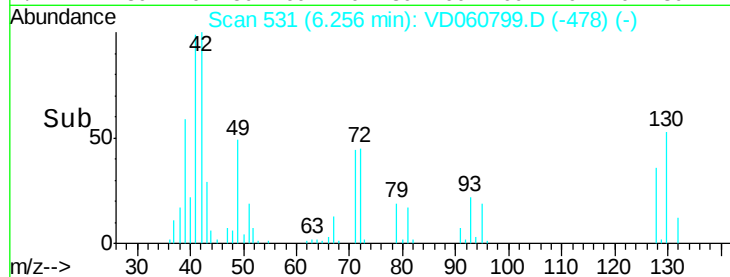
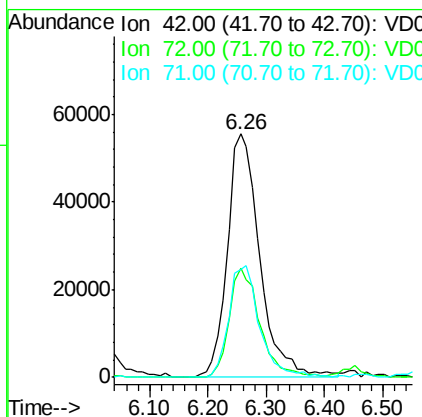
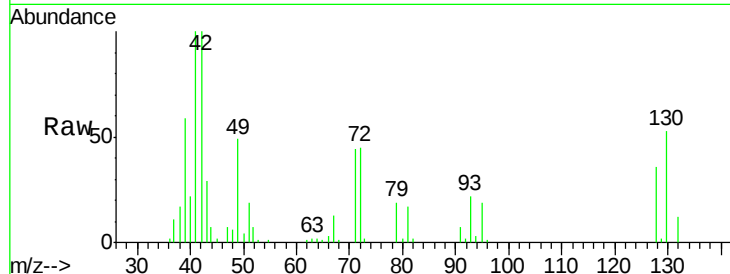




#29
Tetrahydrofuran
Concen: 269.164 ug/l
RT: 6.26 min Scan# 531
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

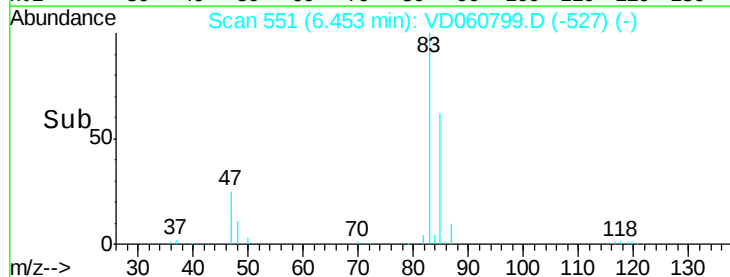
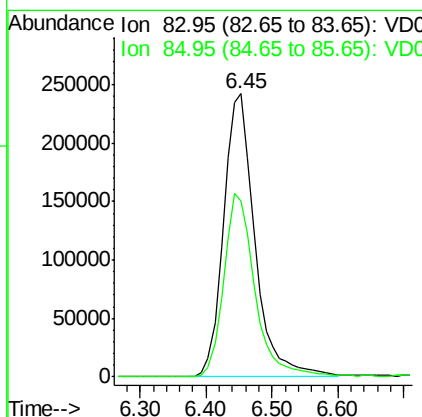
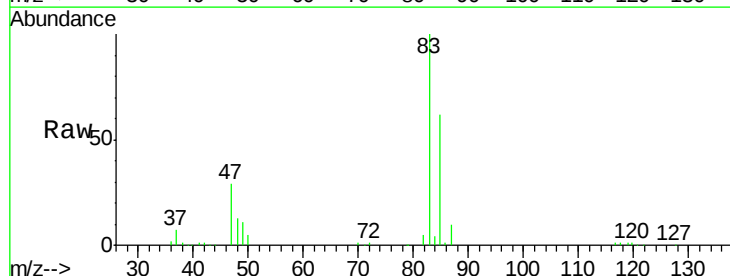
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

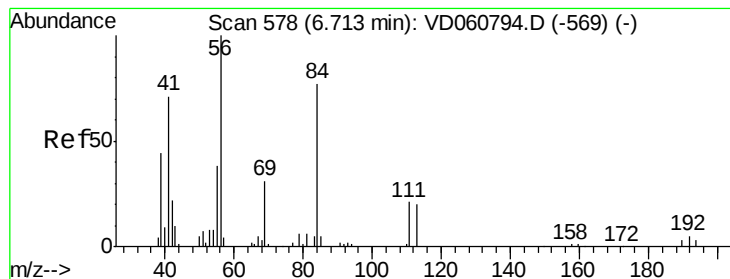
Tot Ion: 42 Resp: 215315
Ion Ratio Lower Upper
42 100
72 42.5 32.8 49.2
71 43.5 34.6 52.0



#30
Chloroform
Concen: 56.082 ug/l
RT: 6.45 min Scan# 551
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion: 83 Resp: 805642
Ion Ratio Lower Upper
83 100
85 62.2 52.3 78.5





#31

Cvclohexane

Concen: 57.496 ug/l

RT: 6.74 min Scan# 580

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

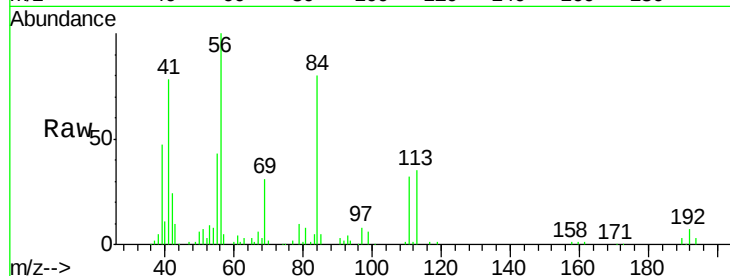
Tot Ion: 56 Resp: 475470

Ion Ratio Lower Upper

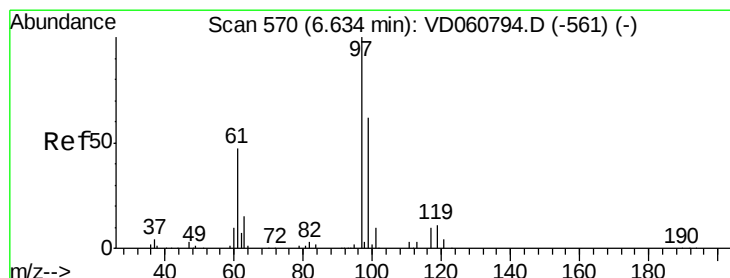
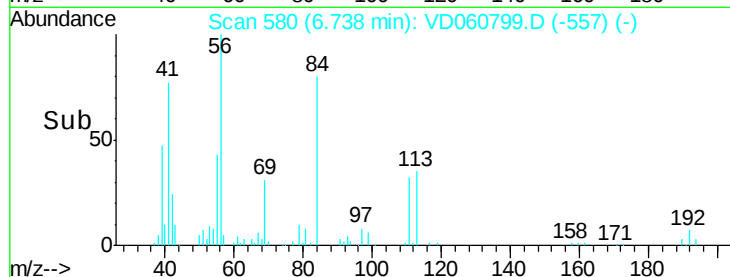
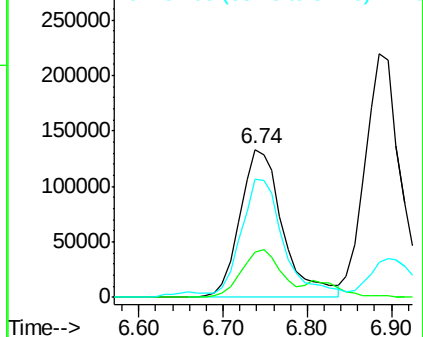
56 100

69 30.7 25.1 37.7

84 79.9 63.9 95.9



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



#32

1,1,1-Trichloroethane

Concen: 56.981 ug/l

RT: 6.66 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

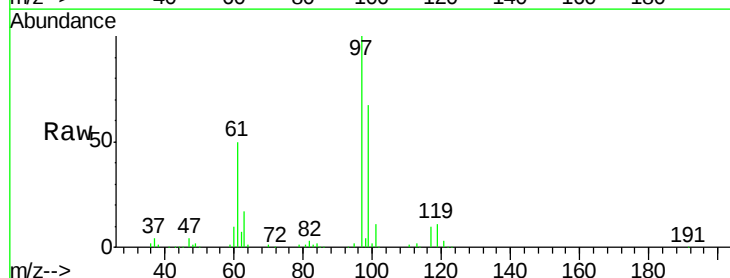
Tgt Ion: 97 Resp: 788280

Ion Ratio Lower Upper

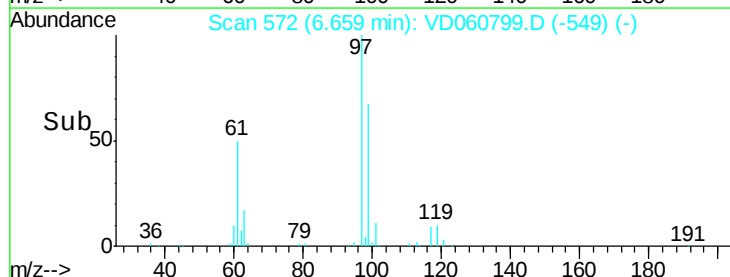
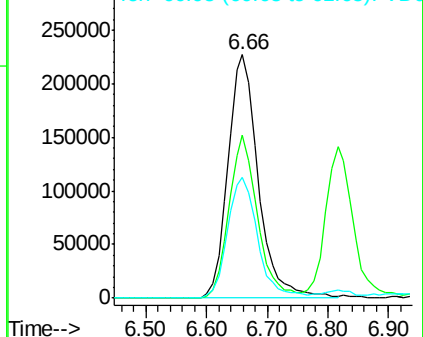
97 100

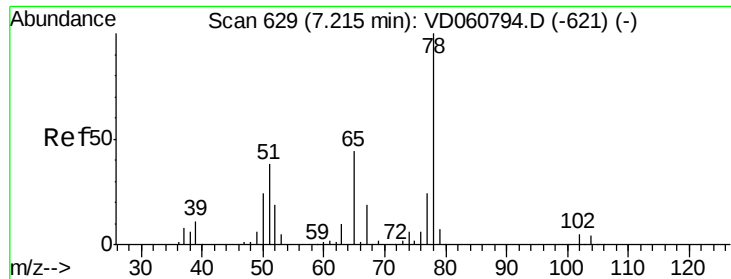
99 67.0 49.6 74.4

61 49.7 37.4 56.2



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





#33

1,2-Dichloroethane-d4

Concen: 56.981 ug/l

RT: 7.24 min Scan# 631

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

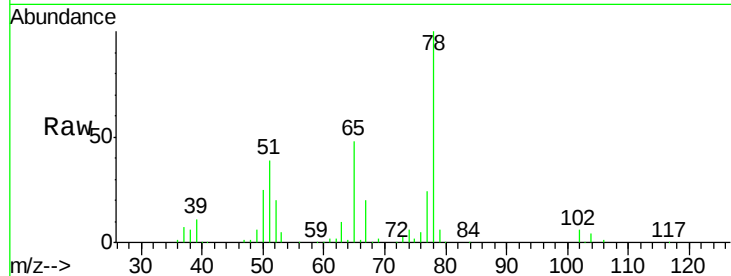
VSTDCCC050

Tot Ion: 65 Resp: 468306

Ion Ratio Lower Upper

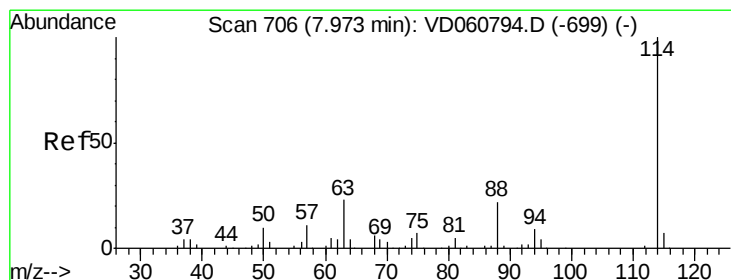
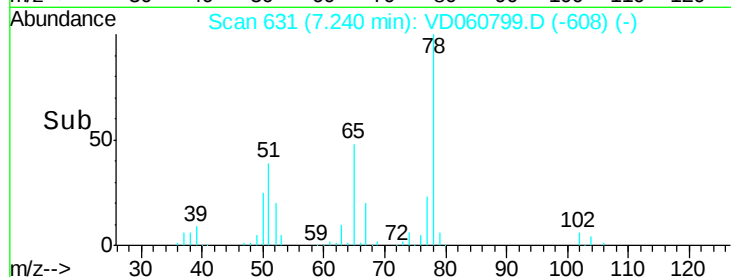
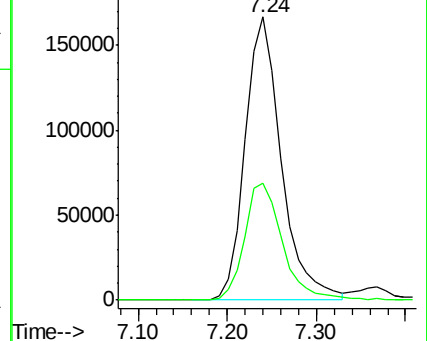
65 100

67 41.3 0.0 85.8



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: 8.00 min Scan# 708

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

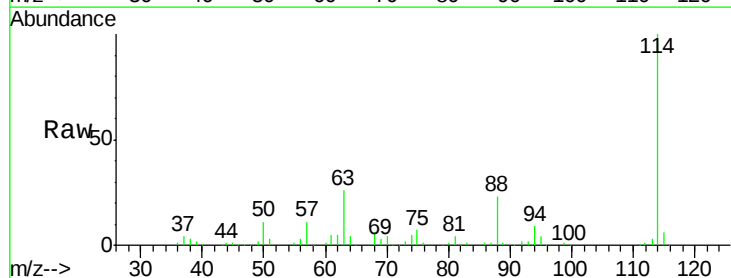
Tgt Ion: 114 Resp: 864735

Ion Ratio Lower Upper

114 100

63 25.7 0.0 46.6

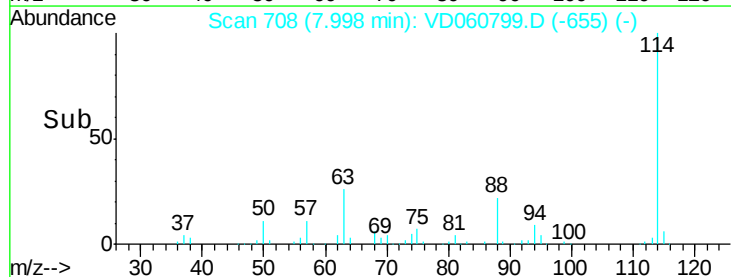
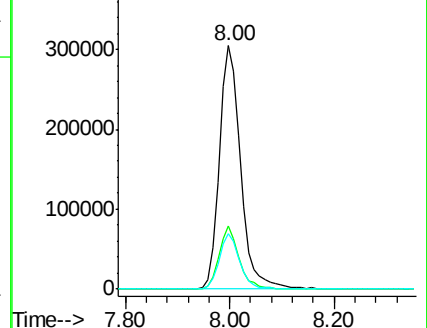
88 22.5 0.0 44.0

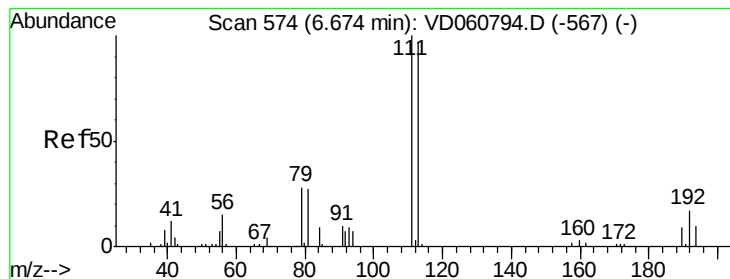


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.71 min Scan# 577

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

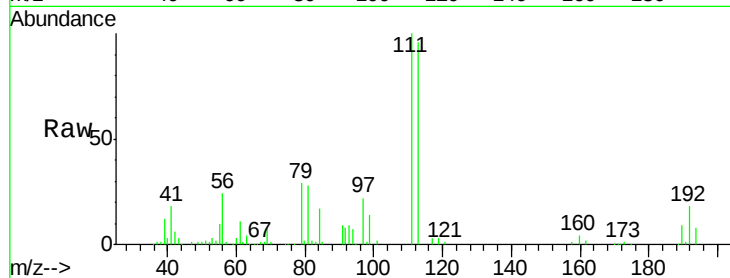
Tot Ion:113 Resp: 408698

Ion Ratio Lower Upper

113 100

111 104.4 82.3 123.5

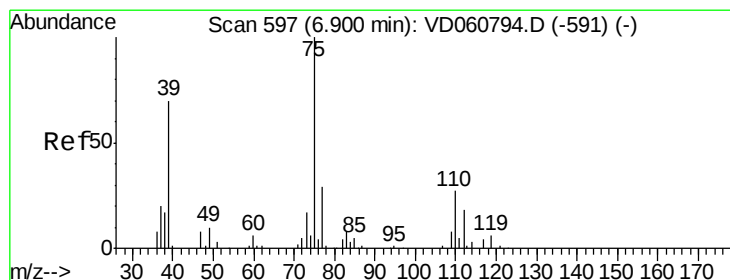
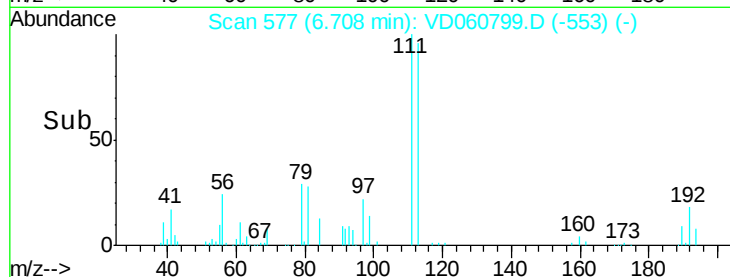
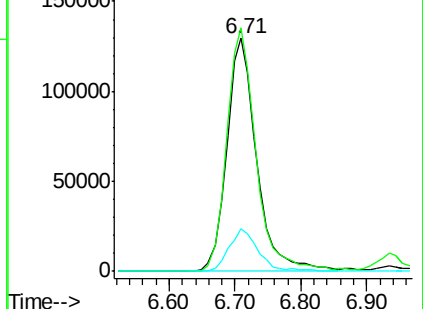
192 18.4 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.366 ug/l

RT: 6.93 min Scan# 600

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

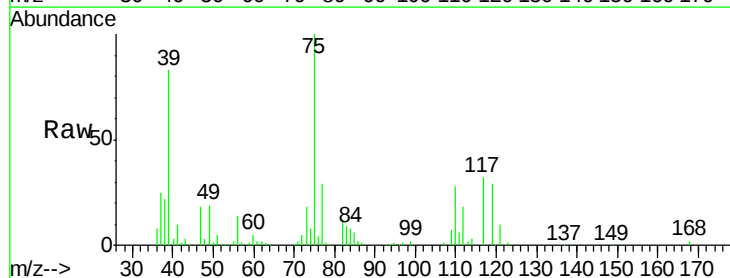
Tgt Ion: 75 Resp: 520021

Ion Ratio Lower Upper

75 100

110 27.8 13.5 40.4

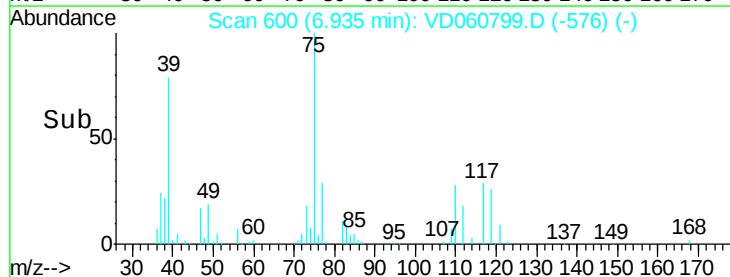
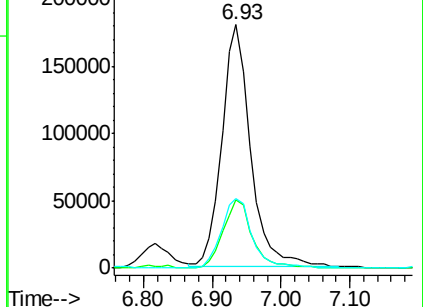
77 28.7 23.4 35.2

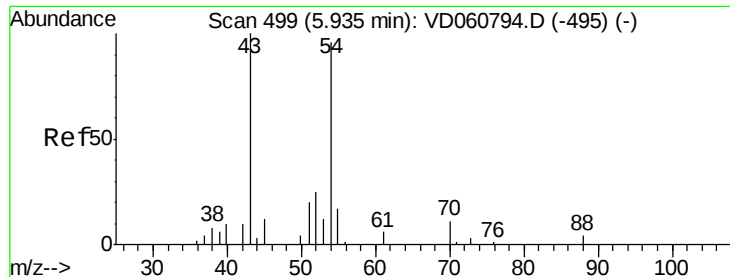


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

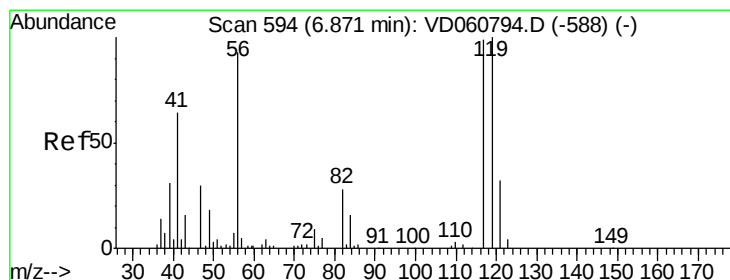
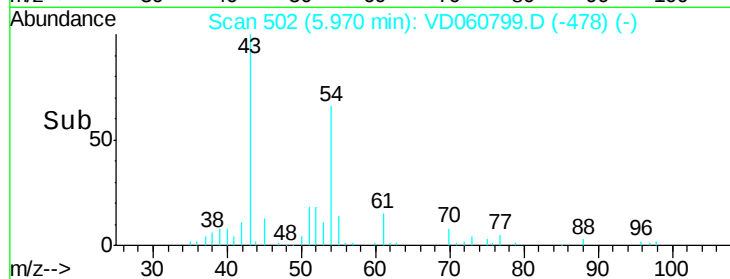
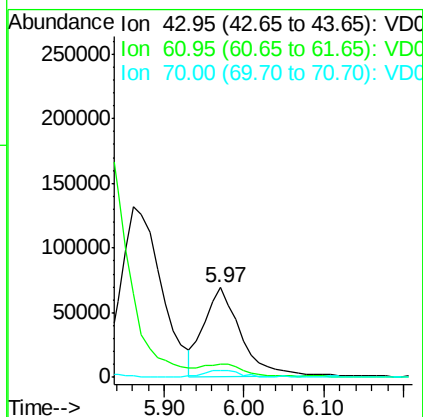
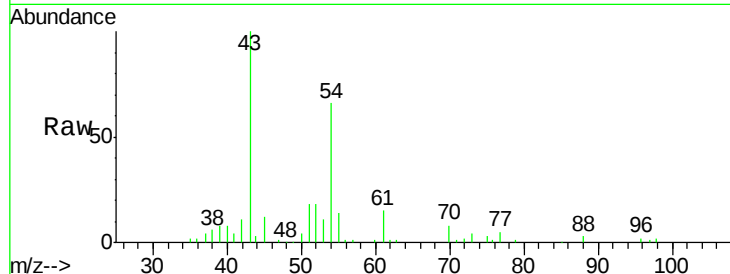




#37
Ethyl Acetate
Concen: 47.697 ug/l
RT: 5.97 min Scan# 502
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

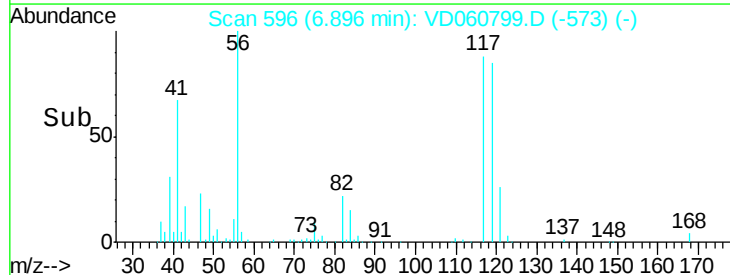
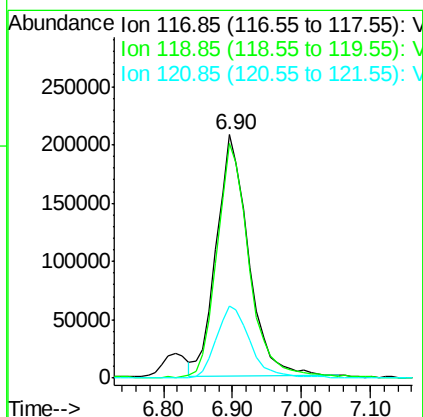
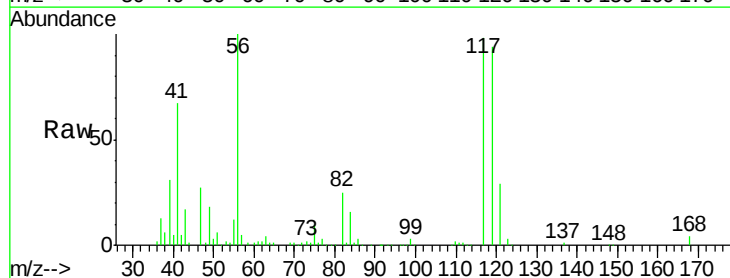
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

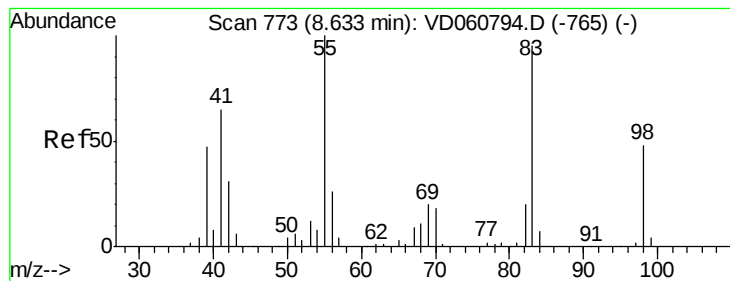
Tot Ion: 43 Resp: 219832
Ion Ratio Lower Upper
43 100
61 14.5 12.3 18.5
70 7.5 7.4 11.0



#38
Carbon Tetrachloride
Concen: 51.684 ug/l
RT: 6.90 min Scan# 596
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion: 117 Resp: 669150
Ion Ratio Lower Upper
117 100
119 96.4 75.6 113.4
121 29.6 23.4 35.2





#39

Methvlcvclohexane

Concen: 51.925 ug/l

RT: 8.65 min Scan# 774

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

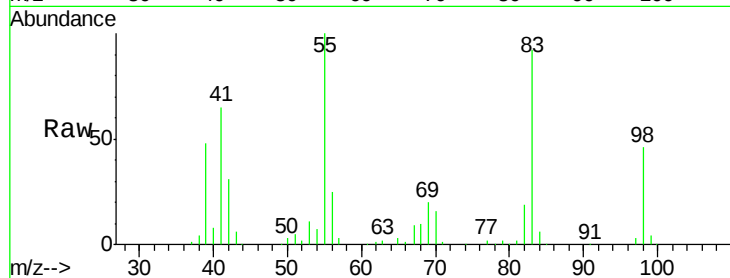
Tot Ion: 83 Resp: 448966

Ion Ratio Lower Upper

83 100

55 108.9 83.8 125.8

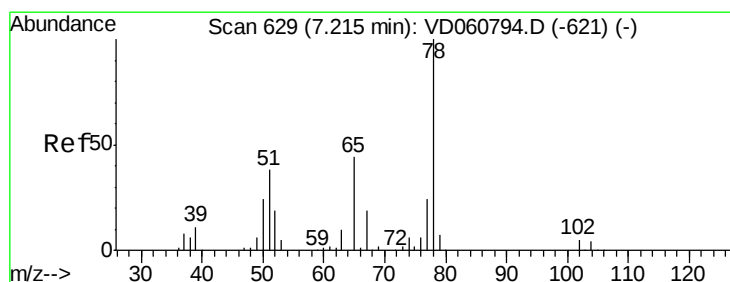
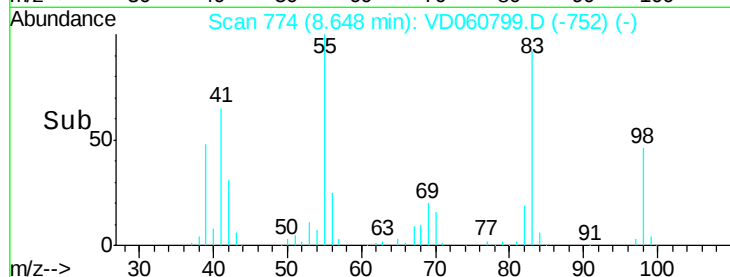
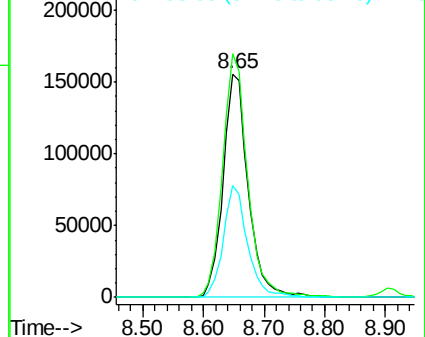
98 50.2 39.8 59.8



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 50.295 ug/l

RT: 7.24 min Scan# 631

Delta R.T. 0.03 min

Lab File: VD060799.D

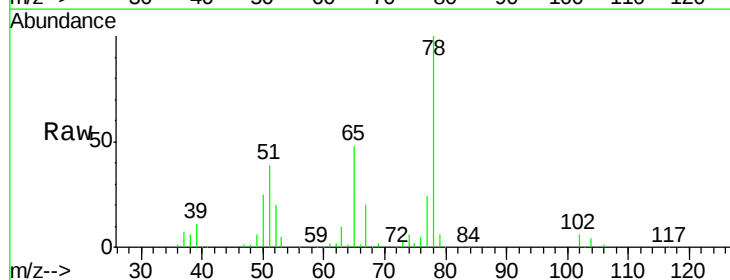
Acq: 30 Jan 2019 11:46

Tgt Ion: 78 Resp: 1024895

Ion Ratio Lower Upper

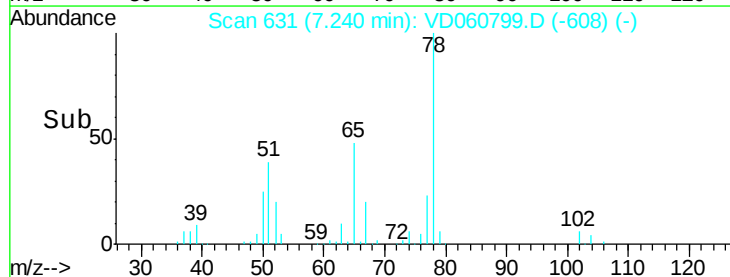
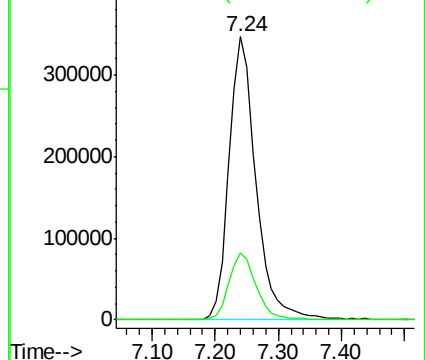
78 100

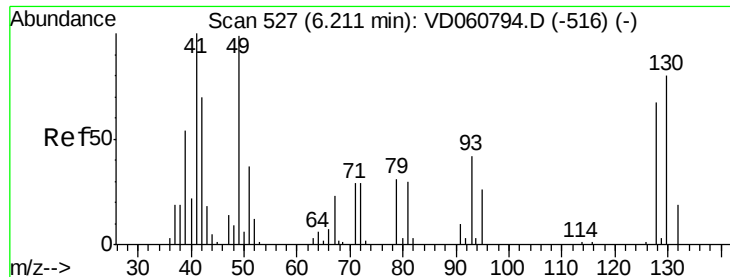
77 23.5 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

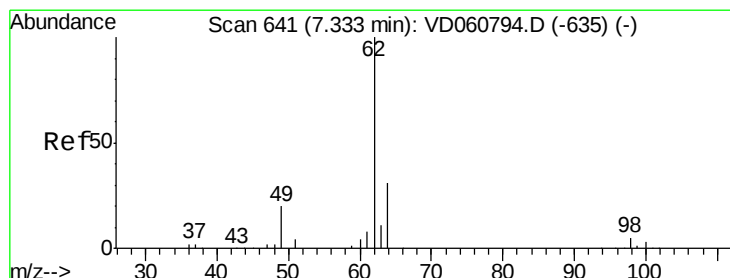
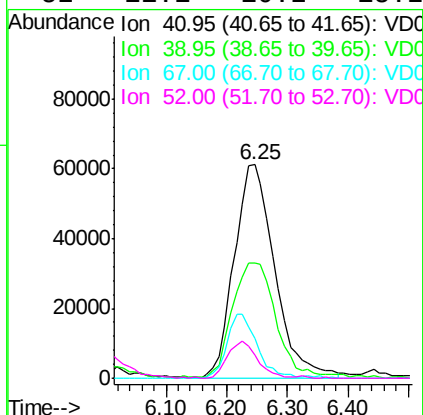
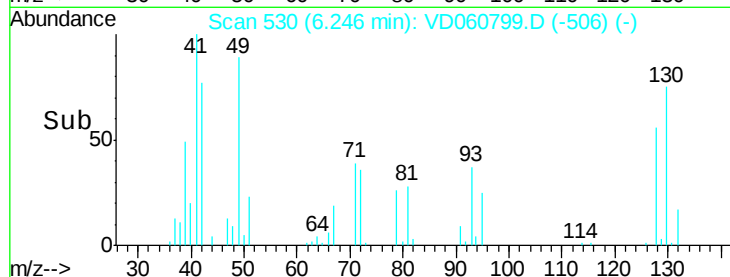
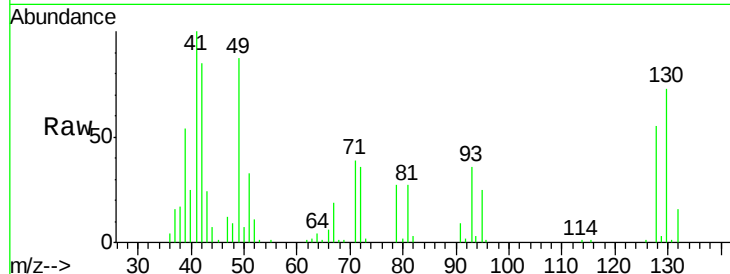




#41
Methacrylonitrile
Concen: 97.202 ug/l
RT: 6.25 min Scan# 530
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

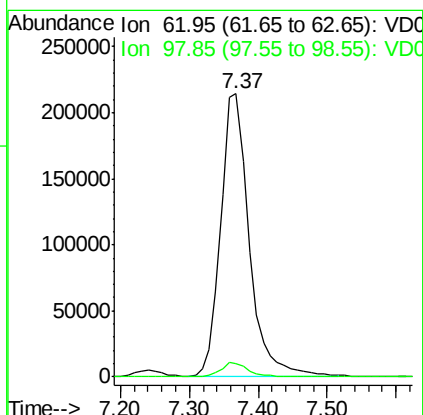
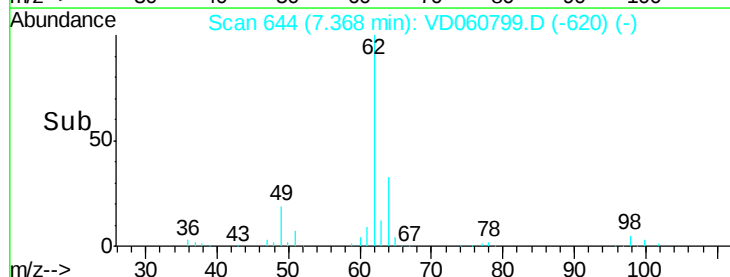
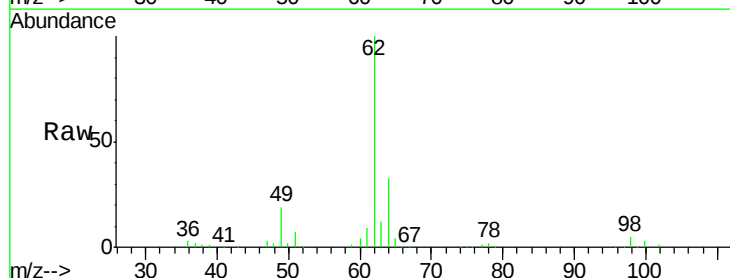
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

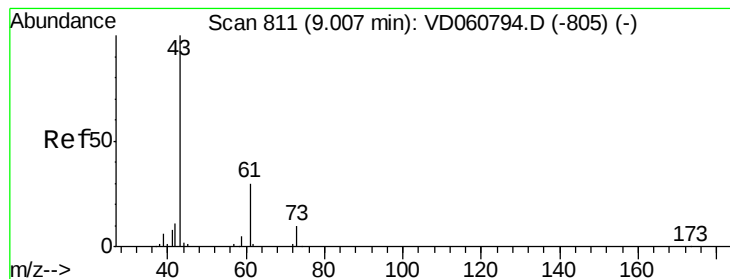
Tot Ion:	41	Resp:	284512
Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.6	65.4
67	18.5	18.5	27.7
52	11.1	10.2	15.2



#42
1,2-Dichloroethane
Concen: 51.923 ug/l
RT: 7.37 min Scan# 644
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion:	62	Resp:	614663
Ion	Ratio	Lower	Upper
62	100		
98	4.6	0.0	10.2





#43

Isopropyl Acetate

Concen: 52.483 ug/l

RT: 9.02 min Scan# 812

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

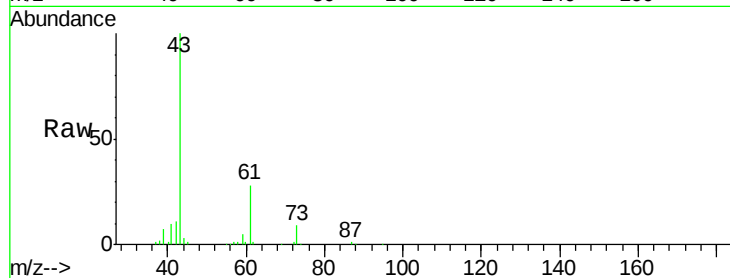
Tot Ion: 43 Resp: 315490

Ion Ratio Lower Upper

43 100

61 28.0 24.1 36.1

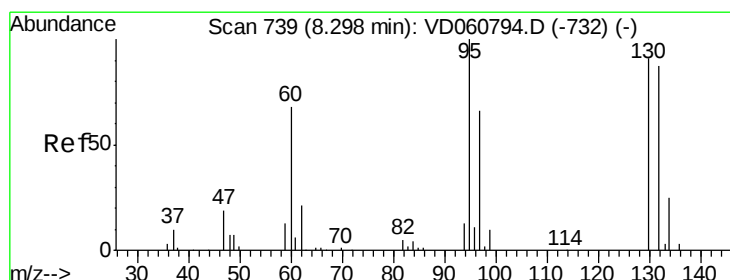
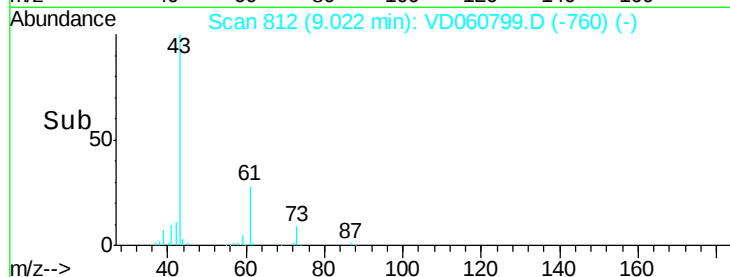
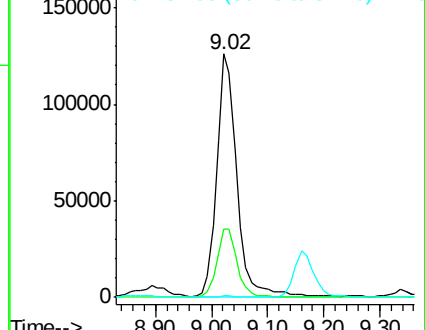
87 0.5 0.0 0.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.799 ug/l

RT: 8.32 min Scan# 741

Delta R.T. 0.02 min

Lab File: VD060799.D

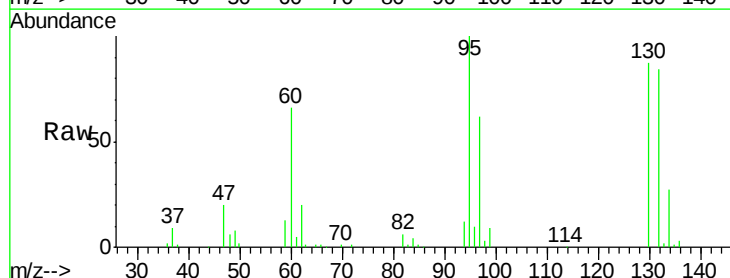
Acq: 30 Jan 2019 11:46

Tgt Ion:130 Resp: 350923

Ion Ratio Lower Upper

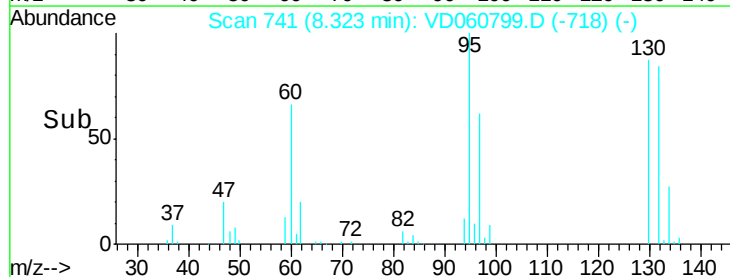
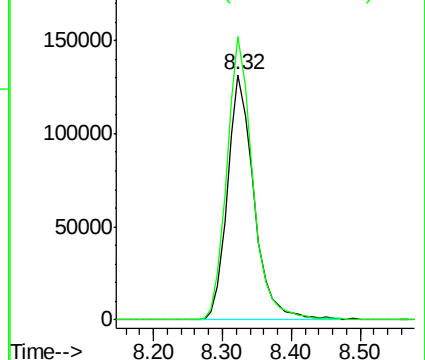
130 100

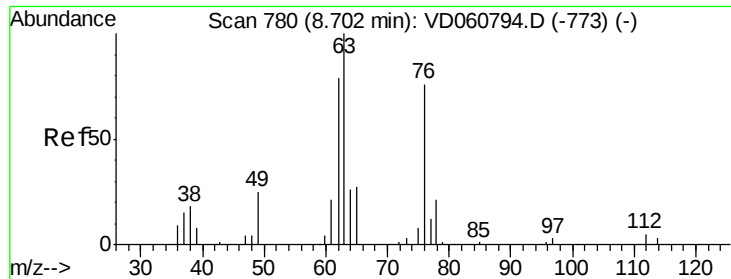
95 115.4 0.0 221.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.395 ug/l

RT: 8.73 min Scan# 782

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

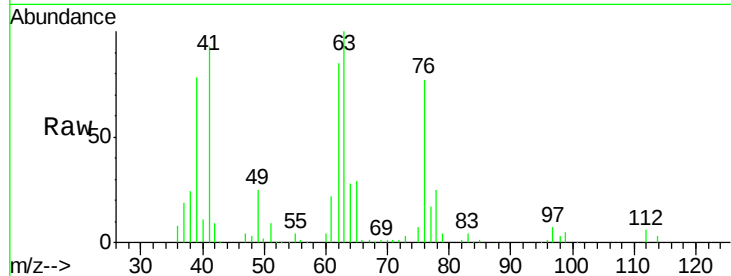
VSTDCCC050

Tot Ion: 63 Resp: 277989

Ion Ratio Lower Upper

63 100

65 28.7 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.73

100000

80000

60000

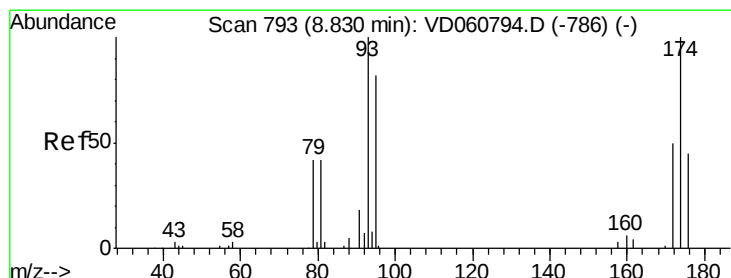
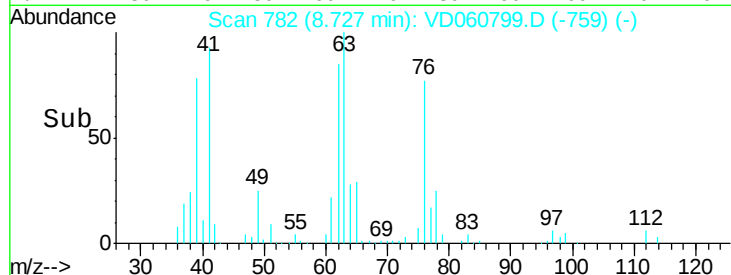
40000

20000

0

Time-->

8.60 8.70 8.80 8.90



#46

Dibromomethane

Concen: 55.045 ug/l

RT: 8.85 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

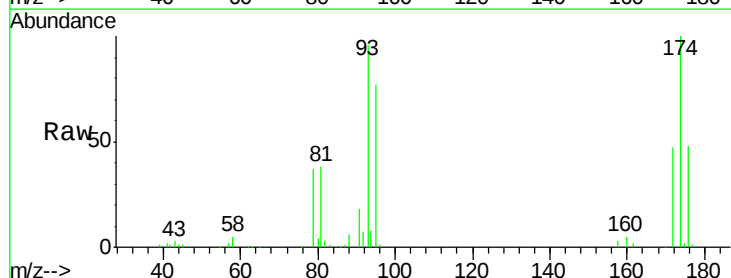
Tgt Ion: 93 Resp: 235714

Ion Ratio Lower Upper

93 100

95 80.3 65.8 98.8

174 104.6 79.8 119.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

120000

100000

80000

60000

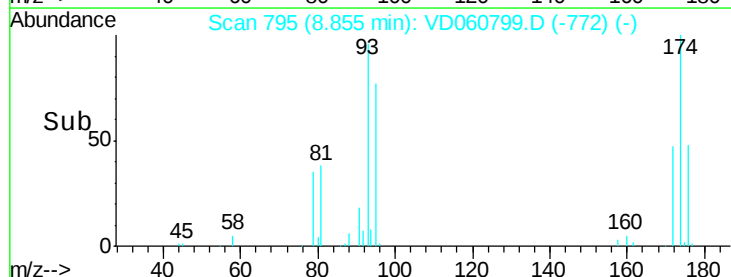
40000

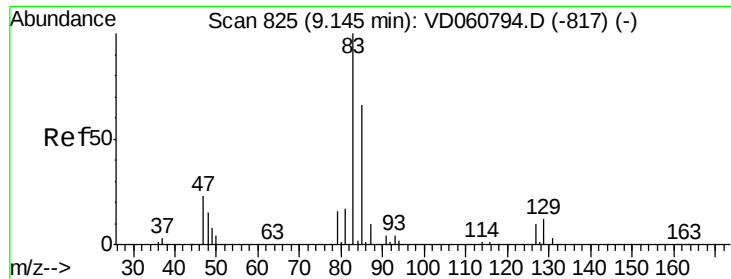
20000

0

Time-->

8.70 8.80 8.90 9.00





#47

Bromodichloromethane

Concen: 52.966 ug/l

RT: 9.16 min Scan# 826

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

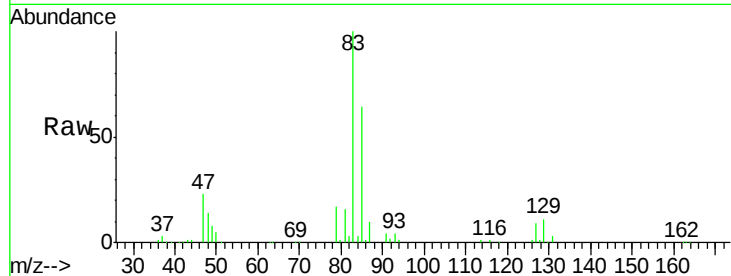
Tot Ion: 83 Resp: 612206

Ion Ratio Lower Upper

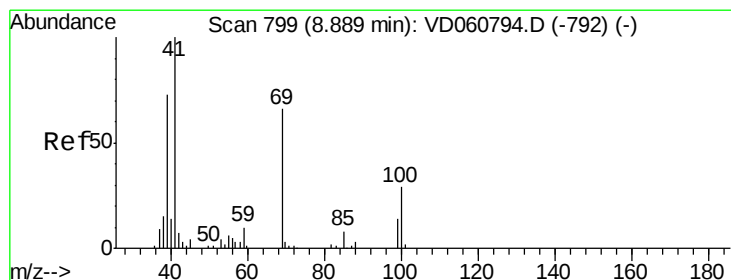
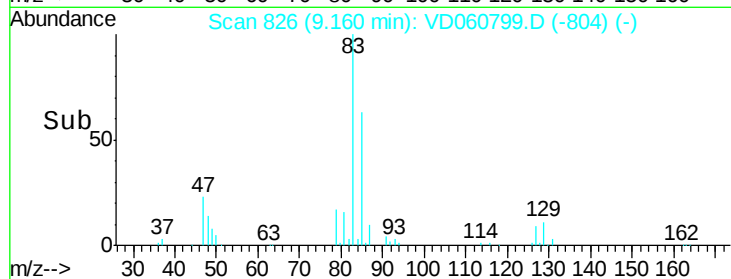
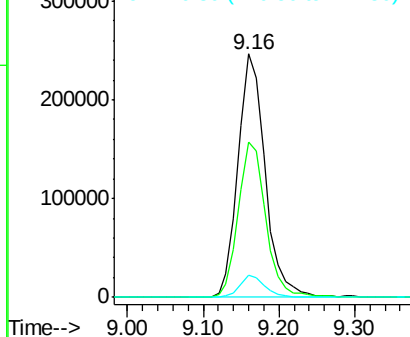
83 100

85 63.7 52.6 79.0

127 9.0 7.7 11.5



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: 51.800 ug/l

RT: 8.90 min Scan# 800

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

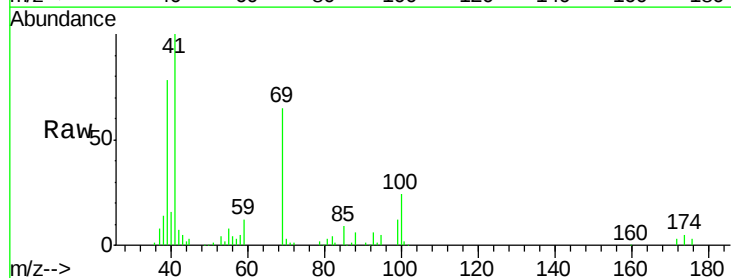
Tgt Ion: 41 Resp: 214726

Ion Ratio Lower Upper

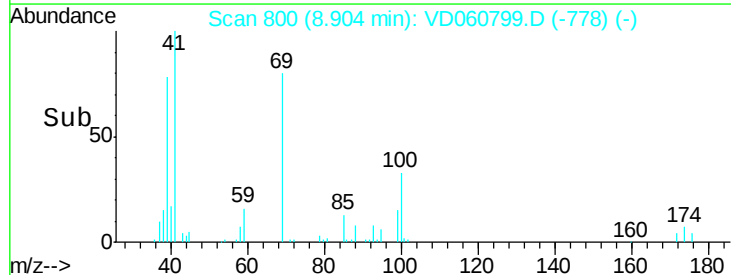
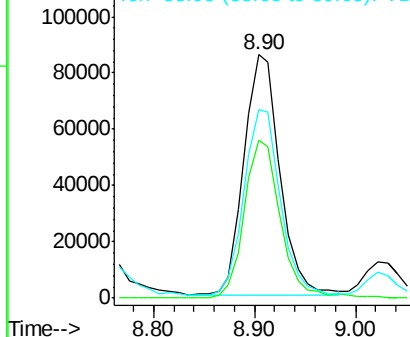
41 100

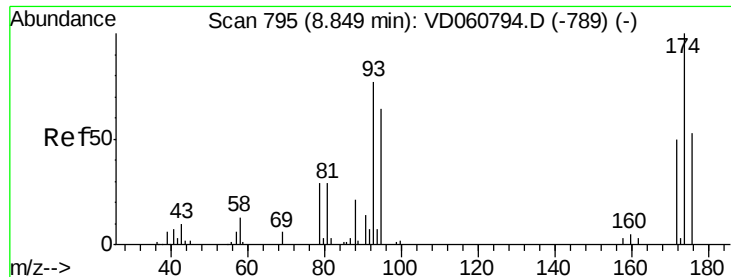
69 64.8 52.5 78.7

39 77.5 59.0 88.6



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

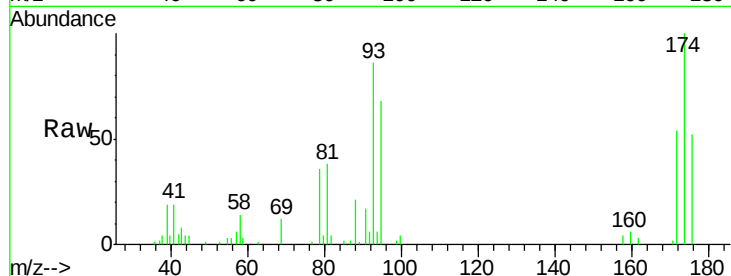




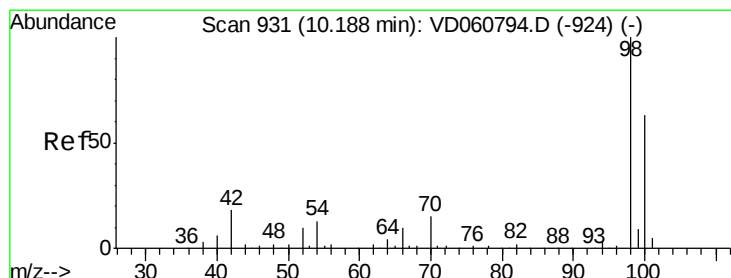
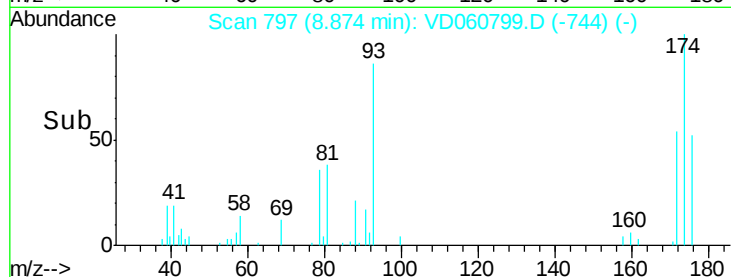
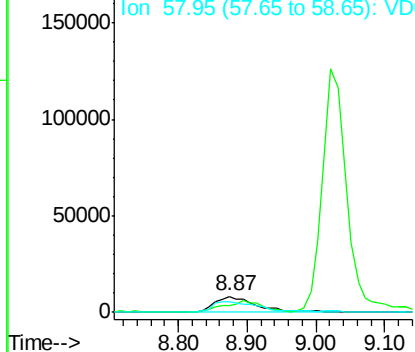
#49
1,4-Dioxane
Concen: 986.406 ug/l
RT: 8.87 min Scan# 797
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 35425
Ion Ratio Lower Upper
88 100
43 39.5 40.9 61.3#
58 66.0 52.2 78.4

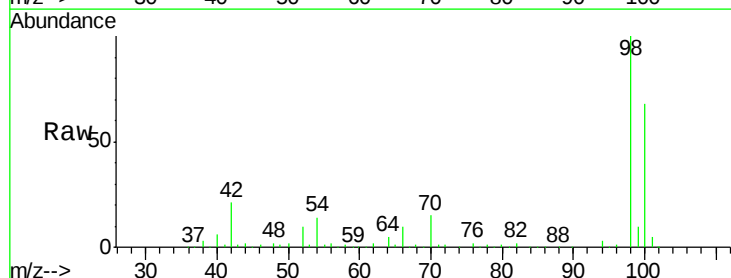


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

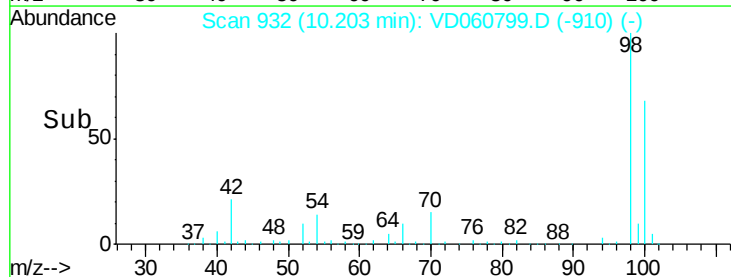
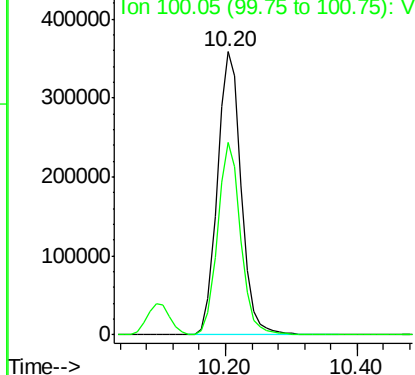


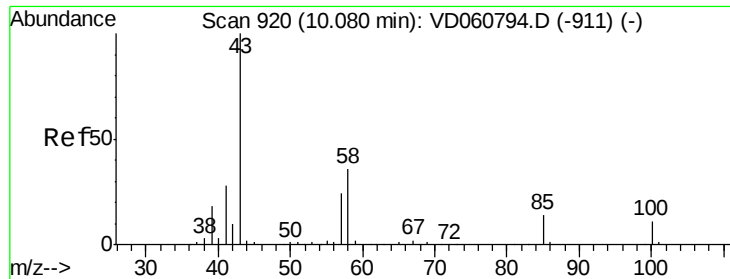
#50
Toluene-d8
Concen: 986.406 ug/l
RT: 10.20 min Scan# 932
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion: 98 Resp: 898846
Ion Ratio Lower Upper
98 100
100 68.1 51.0 76.6



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: 246.195 ug/l

RT: 10.09 min Scan# 921

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

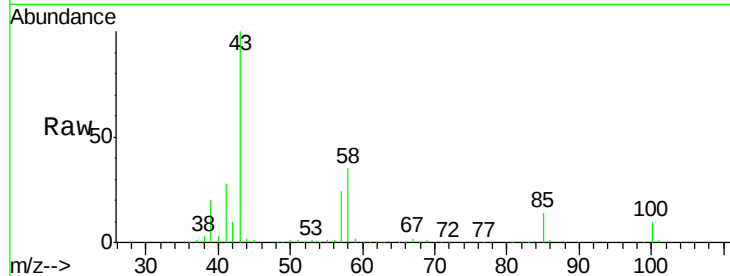
VSTDCCC050

Tot Ion: 43 Resp: 958389

Ion Ratio Lower Upper

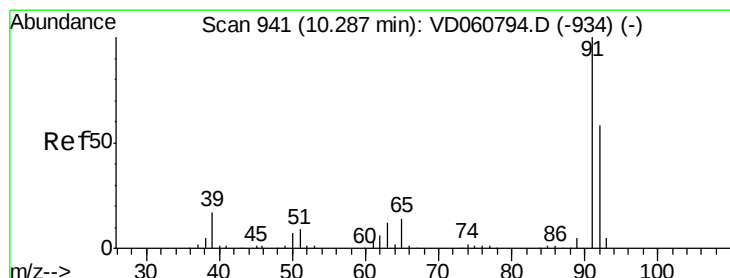
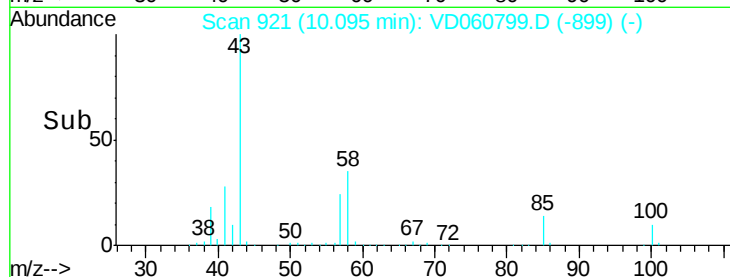
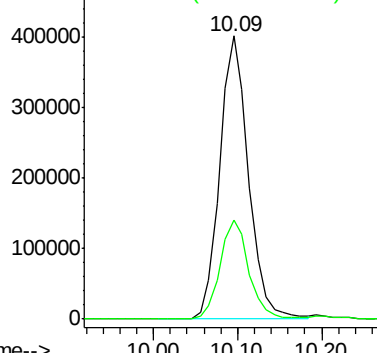
43 100

58 35.2 28.4 42.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 48.962 ug/l

RT: 10.30 min Scan# 942

Delta R.T. 0.02 min

Lab File: VD060799.D

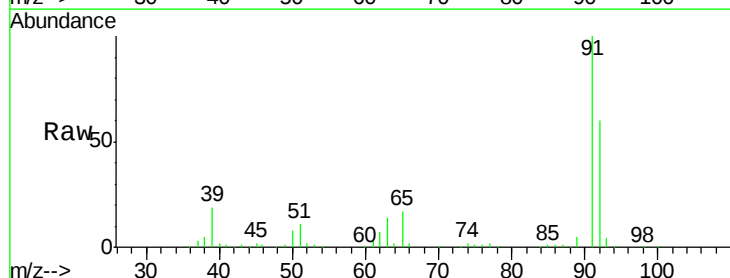
Acq: 30 Jan 2019 11:46

Tgt Ion: 92 Resp: 632881

Ion Ratio Lower Upper

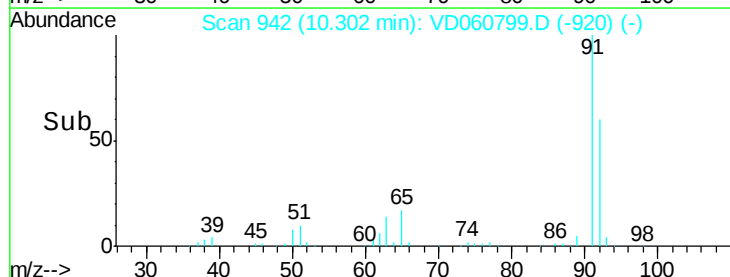
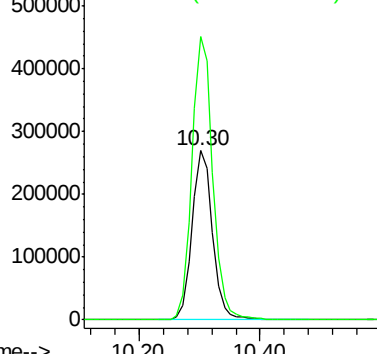
92 100

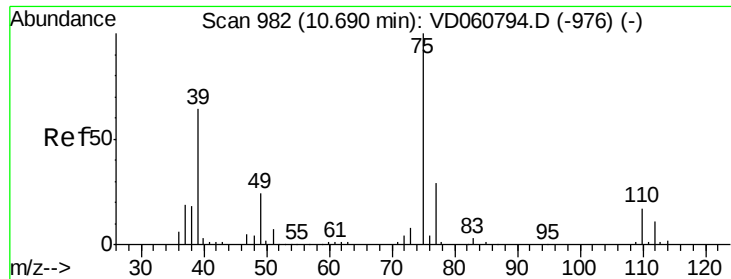
91 167.1 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

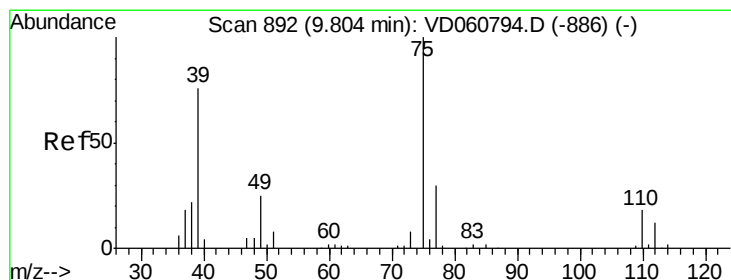
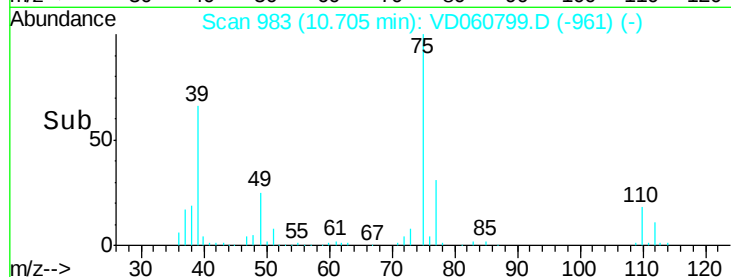
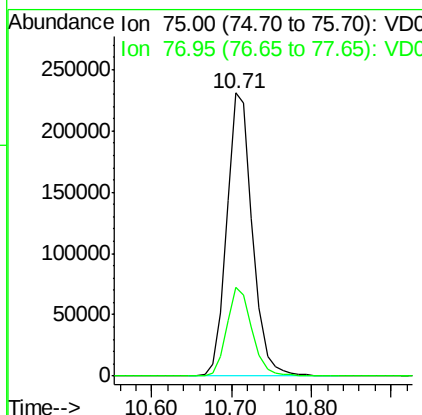
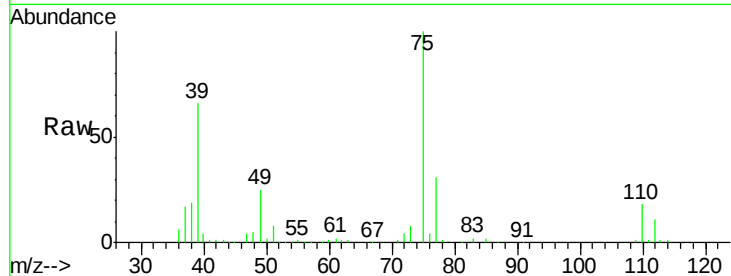




#53
 t-1,3-Dichloropropene
 Concen: 51.234 ug/l
 RT: 10.71 min Scan# 983
 Delta R.T. 0.02 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

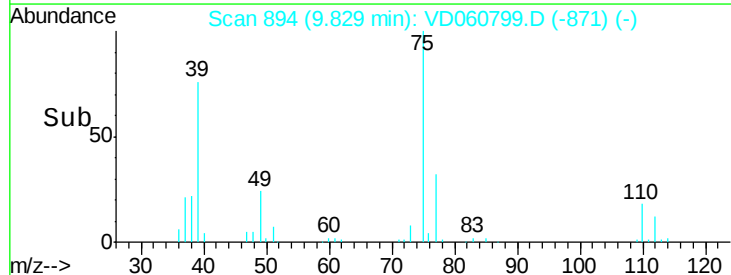
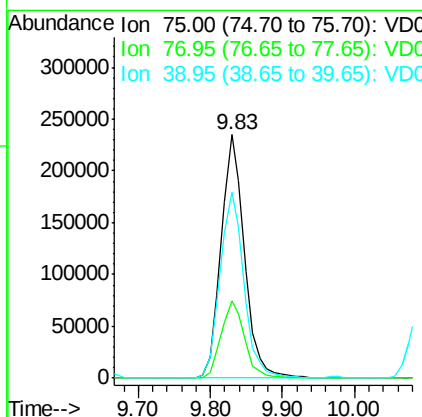
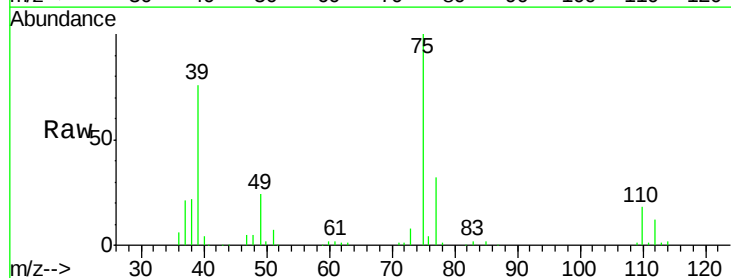
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

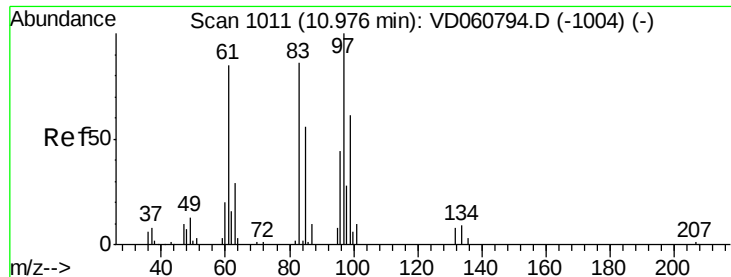
Tot Ion: 75 Resp: 520899
 Ion Ratio Lower Upper
 75 100
 77 31.3 23.0 34.6



#54
 cis-1,3-Dichloropropene
 Concen: 50.592 ug/l
 RT: 9.83 min Scan# 894
 Delta R.T. 0.03 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion: 75 Resp: 527469
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.9 35.9
 39 76.4 60.4 90.6

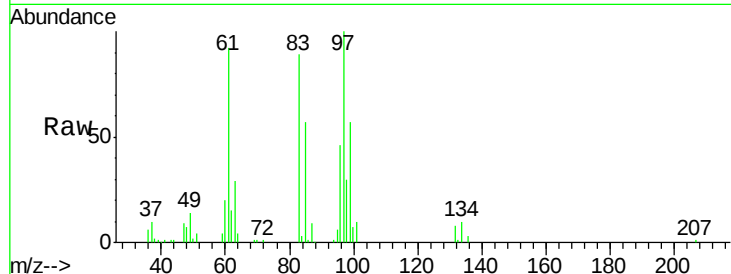




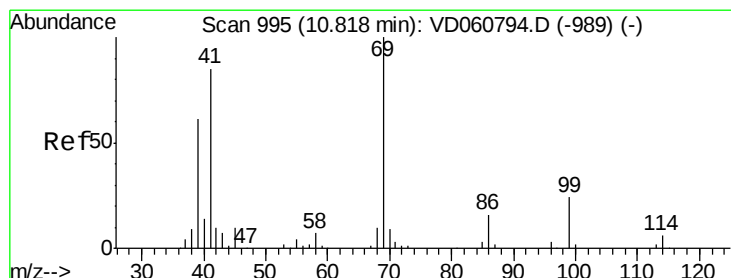
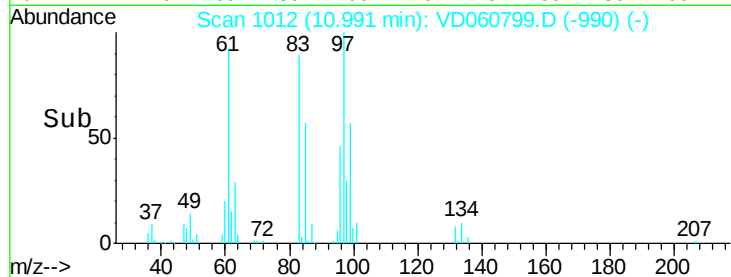
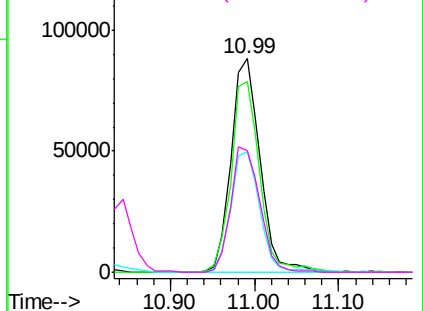
#55
 1,1,2-Trichloroethane
 Concen: 47.825 ug/l
 RT: 10.99 min Scan# 1012
 Delta R.T. 0.02 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 210765
 Ion Ratio Lower Upper
 97 100
 83 89.0 68.5 102.7
 85 56.6 45.0 67.6
 99 57.1 49.0 73.4

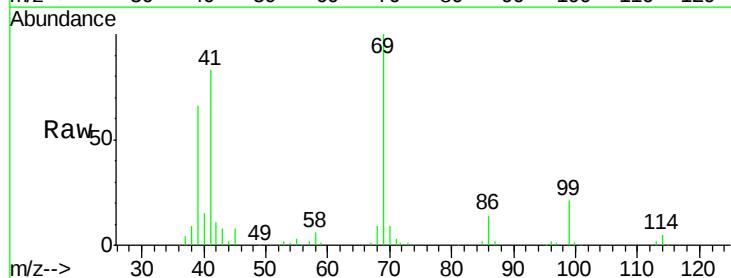


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

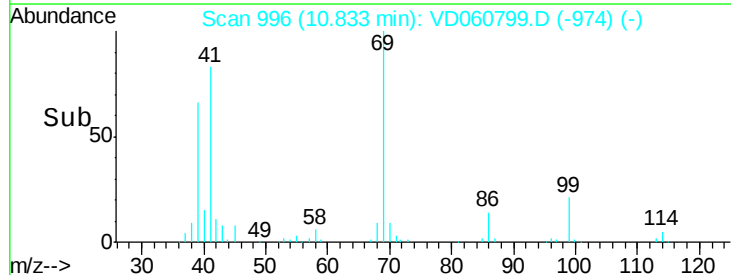
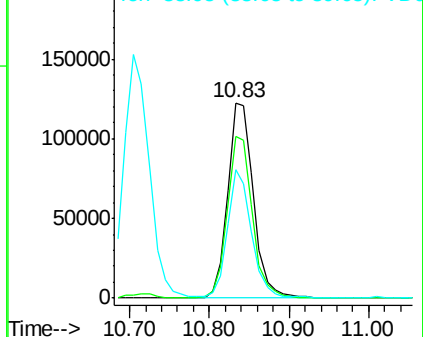


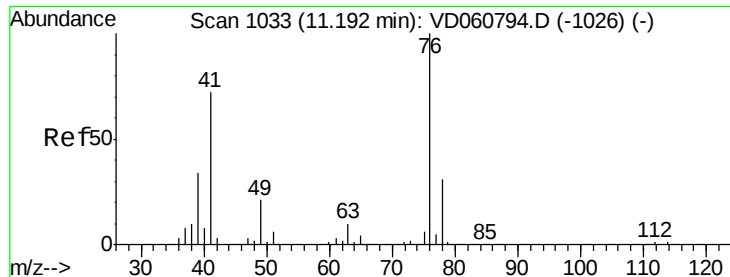
#56
 Ethyl methacrylate
 Concen: 51.843 ug/l
 RT: 10.83 min Scan# 996
 Delta R.T. 0.02 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion: 69 Resp: 276774
 Ion Ratio Lower Upper
 69 100
 41 82.8 68.2 102.2
 39 65.7 49.4 74.0



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





#57

1,3-Dichloropropane

Concen: 51.567 ug/l

RT: 11.21 min Scan# 1034

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

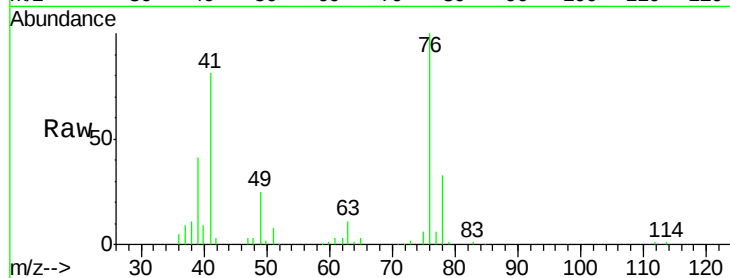
VSTDCCC050

Tot Ion: 76 Resp: 388392

Ion Ratio Lower Upper

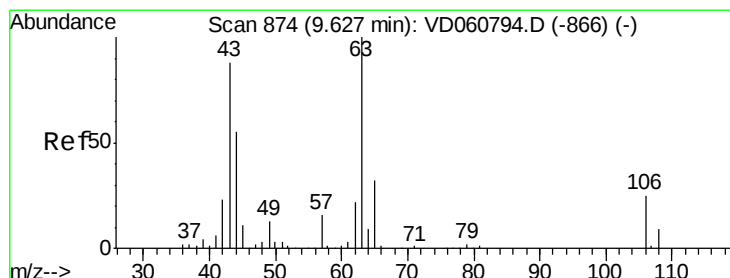
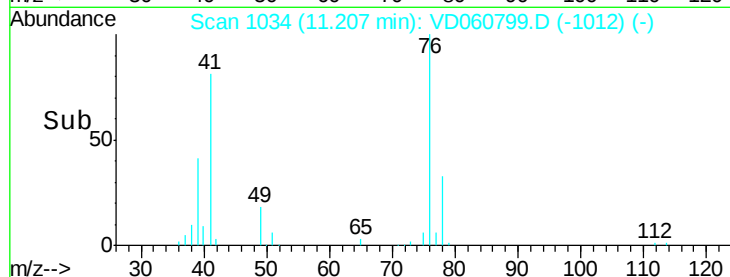
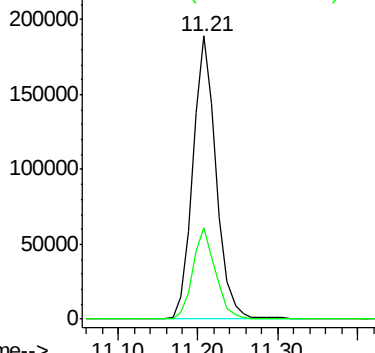
76 100

78 32.5 24.5 36.7



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: 242.642 ug/l

RT: 9.65 min Scan# 876

Delta R.T. 0.03 min

Lab File: VD060799.D

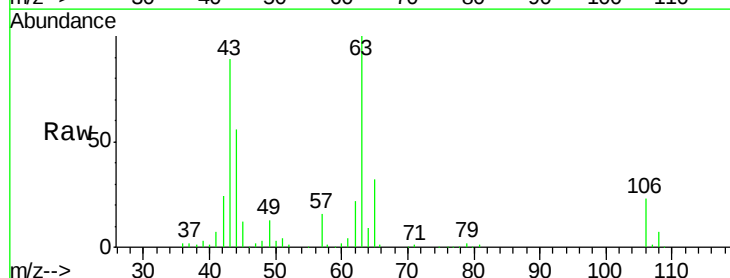
Acq: 30 Jan 2019 11:46

Tgt Ion: 63 Resp: 679680

Ion Ratio Lower Upper

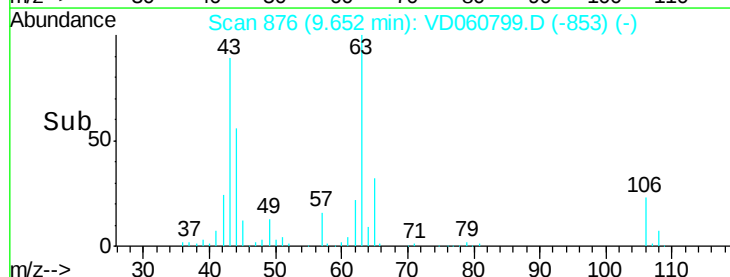
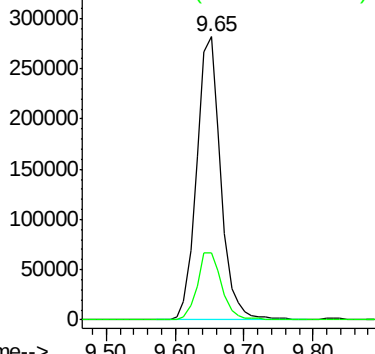
63 100

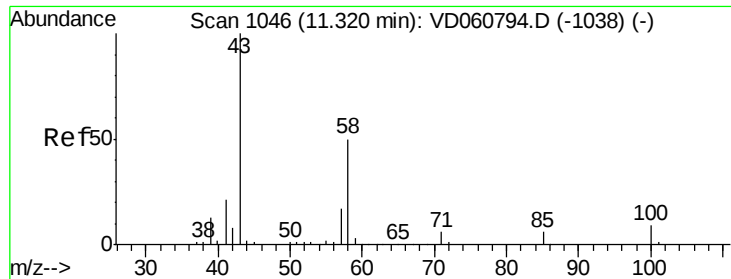
106 23.5 19.9 29.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

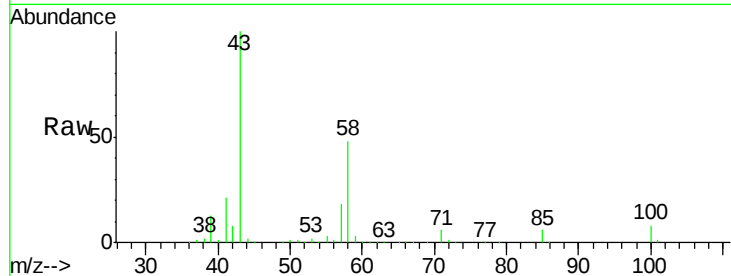




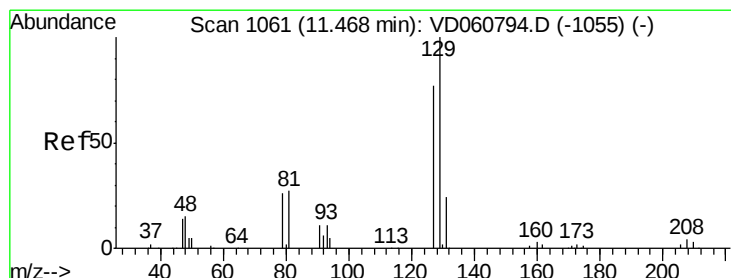
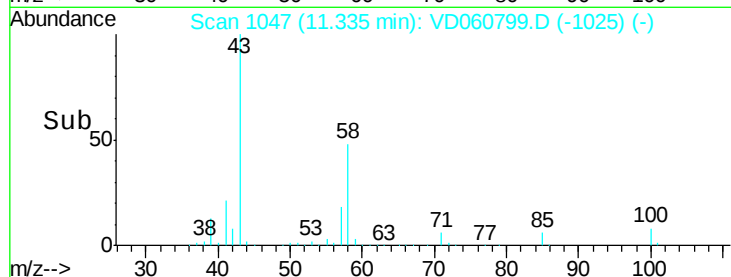
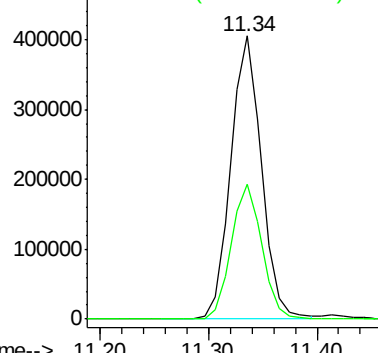
#59
2-Hexanone
Concen: 272.029 ug/l
RT: 11.34 min Scan# 1047
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 796230
Ion Ratio Lower Upper
43 100
58 47.6 25.0 75.0

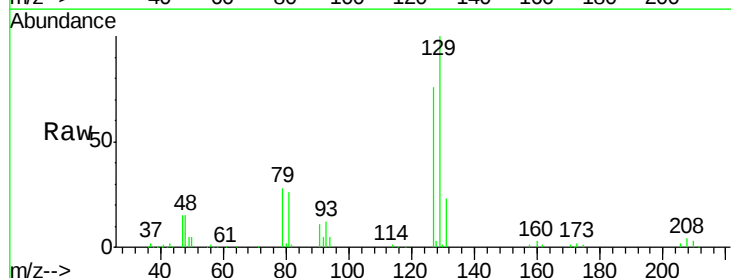


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

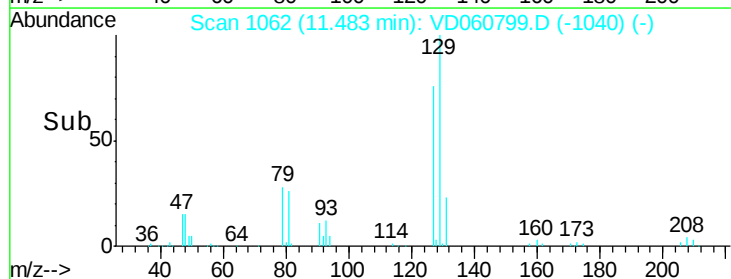
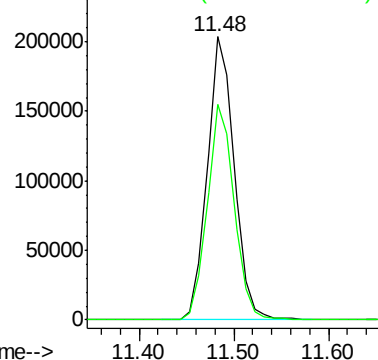


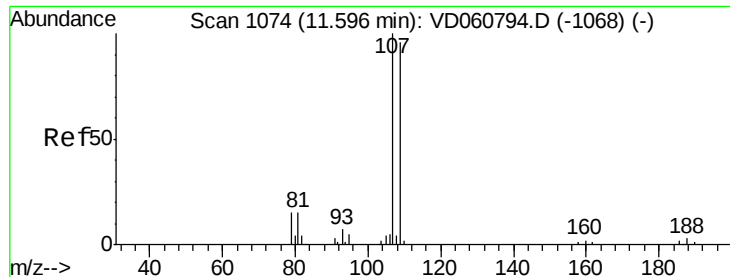
#60
Dibromochloromethane
Concen: 50.451 ug/l
RT: 11.48 min Scan# 1062
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion: 129 Resp: 399716
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

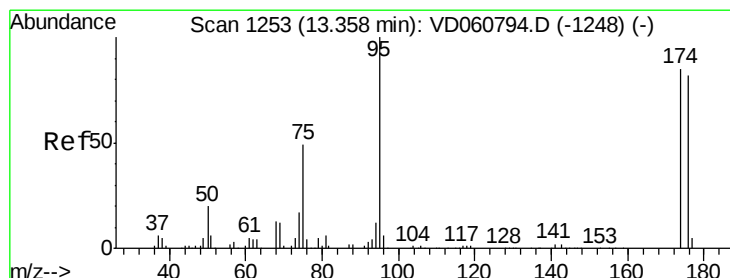
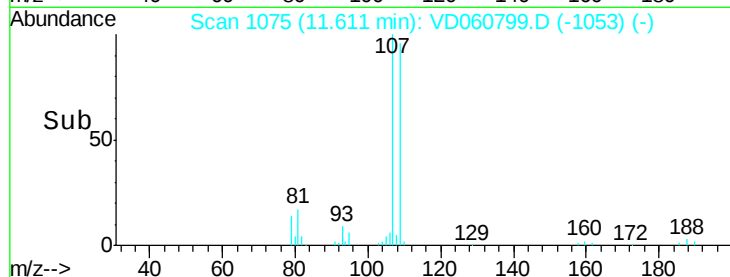
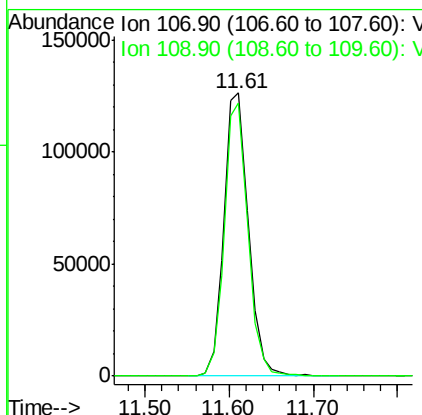
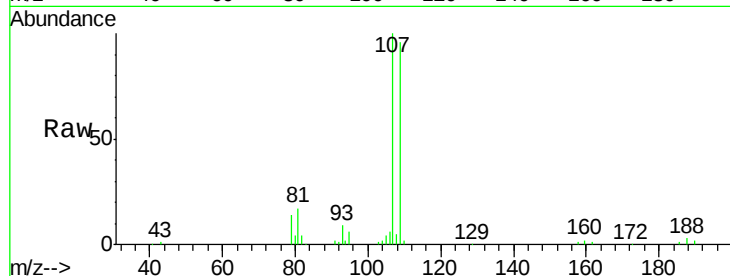




#61
 1,2-Dibromoethane
 Concen: 49.096 ug/l
 RT: 11.61 min Scan# 1075
 Delta R.T. 0.02 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

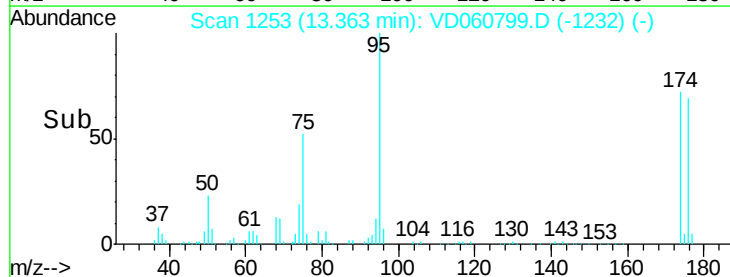
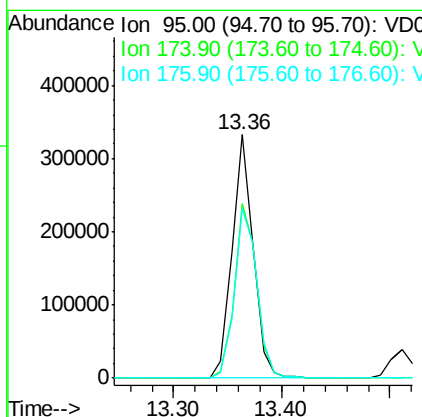
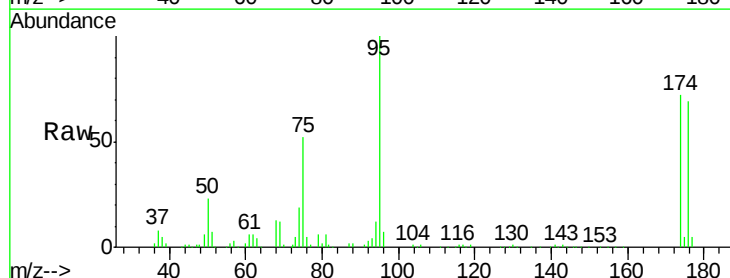
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

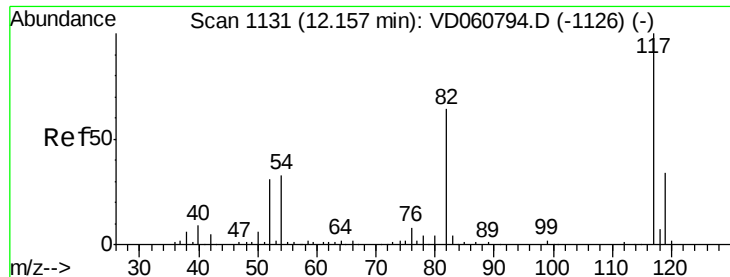
Tot Ion:107 Resp: 254814
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 49.096 ug/l
 RT: 13.36 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion: 95 Resp: 453654
 Ion Ratio Lower Upper
 95 100
 174 71.6 0.0 169.6
 176 69.4 0.0 163.8

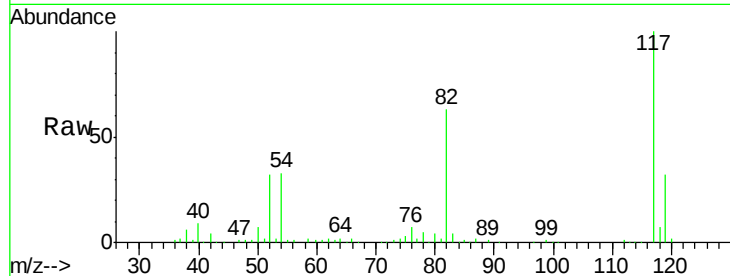




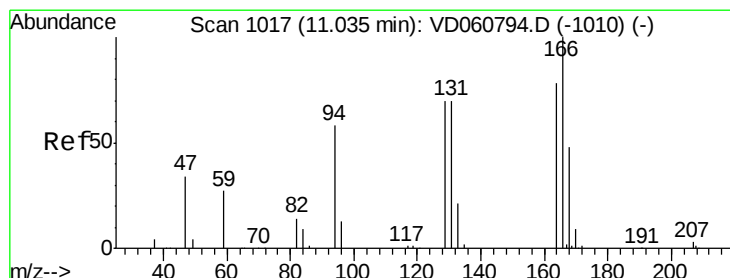
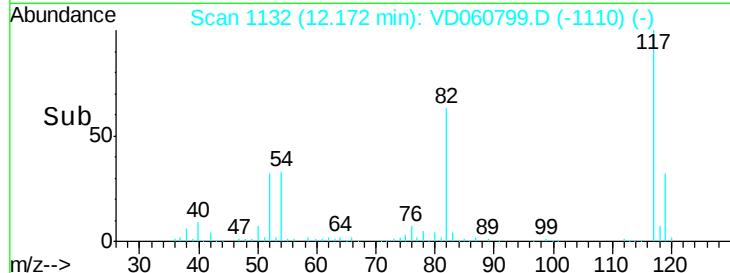
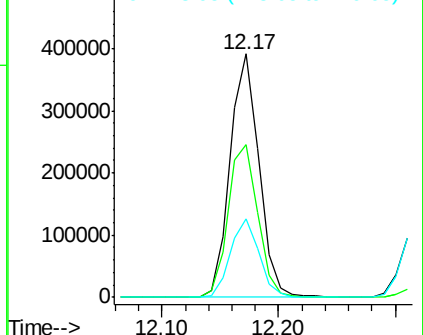
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.17 min Scan# 1132
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 672943
Ion Ratio Lower Upper
117 100
82 62.7 51.5 77.3
119 32.5 27.1 40.7

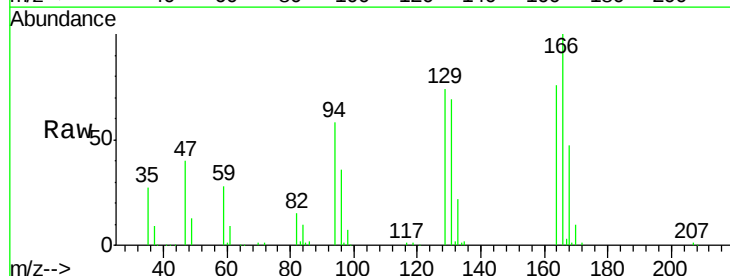


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

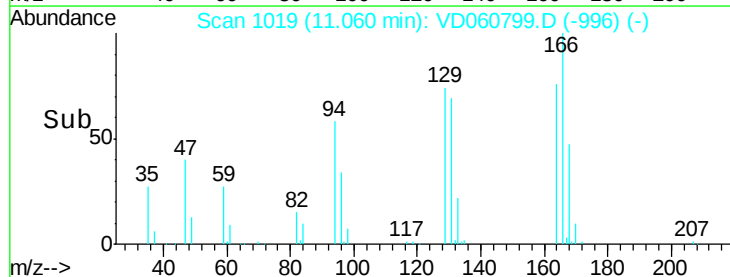
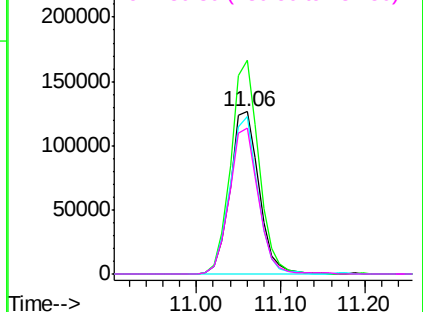


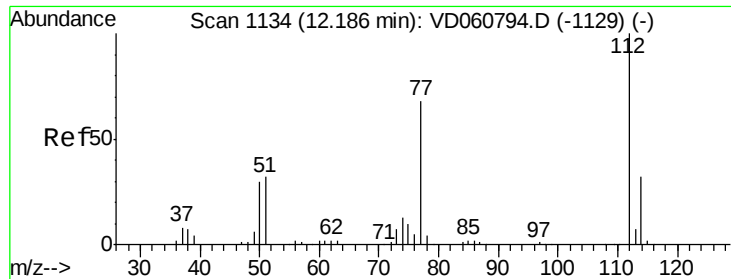
#64
Tetrachloroethene
Concen: 48.886 ug/l
RT: 11.06 min Scan# 1019
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion:164 Resp: 301924
Ion Ratio Lower Upper
164 100
166 131.6 102.6 154.0
129 97.2 72.3 108.5
131 90.3 72.1 108.1



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

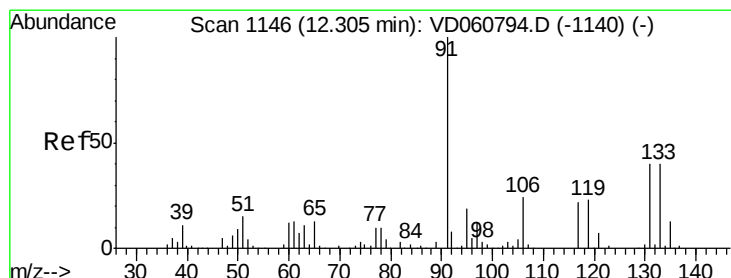
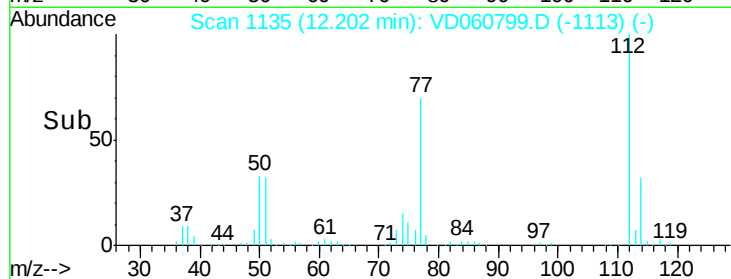
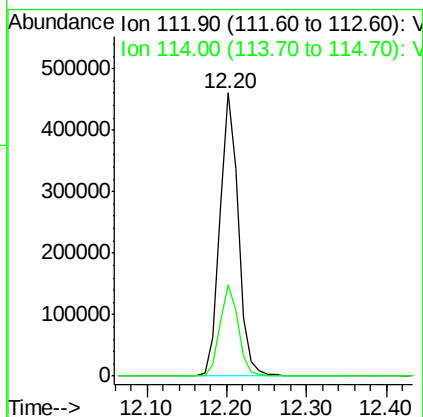
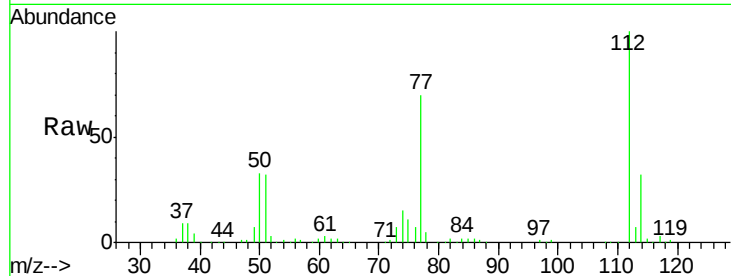




#65
Chlorobenzene
Concen: 49.215 ug/l
RT: 12.20 min Scan# 1135
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

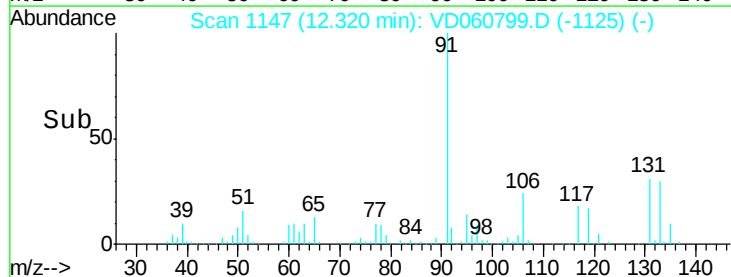
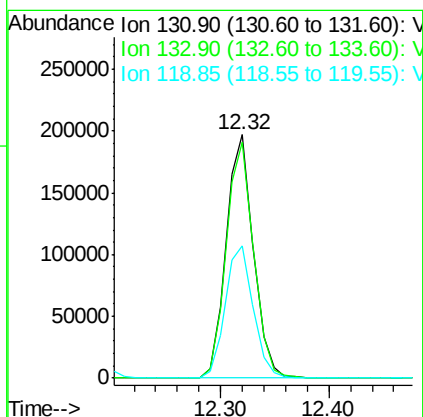
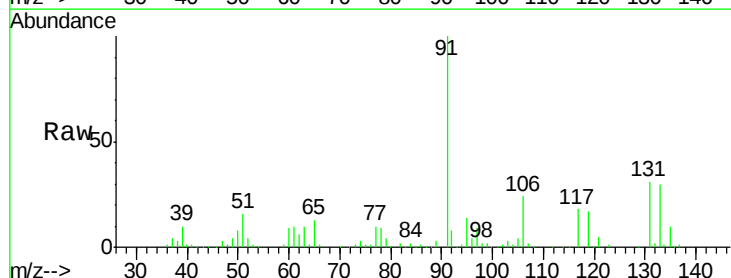
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

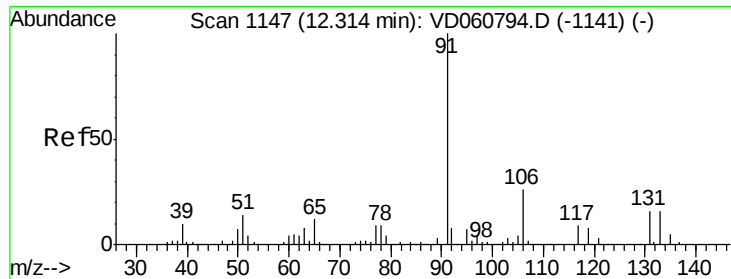
Tot Ion:112 Resp: 756837
Ion Ratio Lower Upper
112 100
114 32.2 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.137 ug/l
RT: 12.32 min Scan# 1147
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion:131 Resp: 344468
Ion Ratio Lower Upper
131 100
133 96.7 49.9 149.7
119 54.2 28.5 85.5

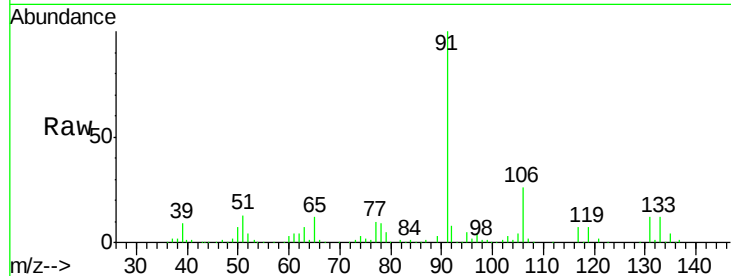




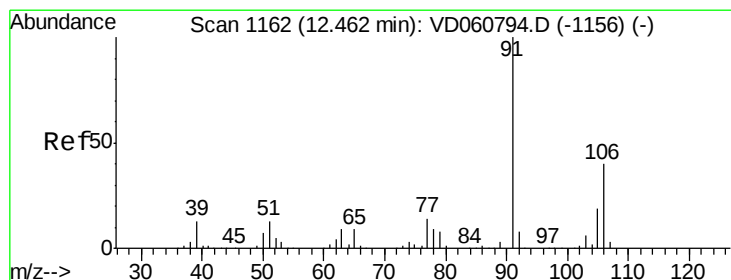
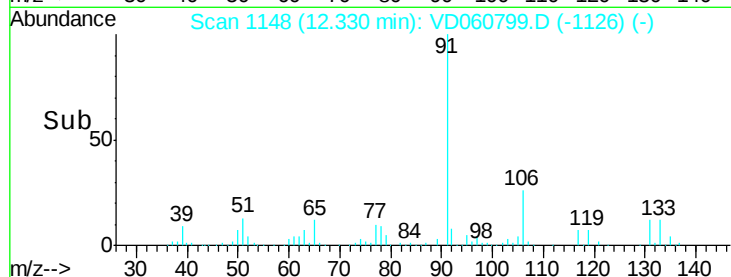
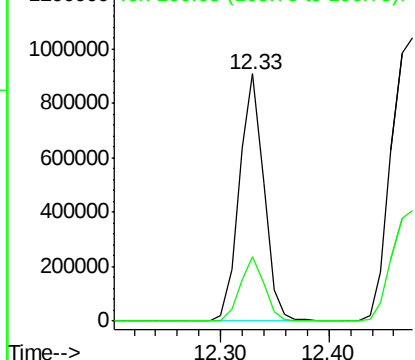
#67
Ethyl Benzene
Concen: 51.765 ug/l
RT: 12.33 min Scan# 1148
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1431461
Ion Ratio Lower Upper
91 100
106 26.3 21.0 31.6

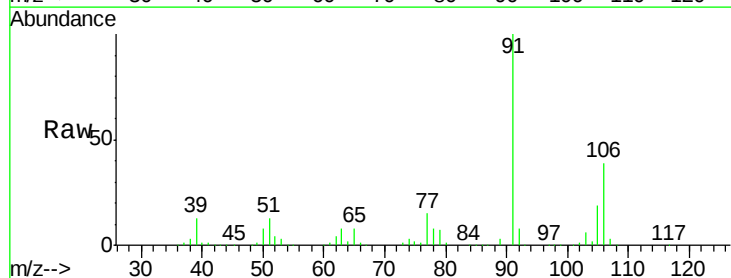


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

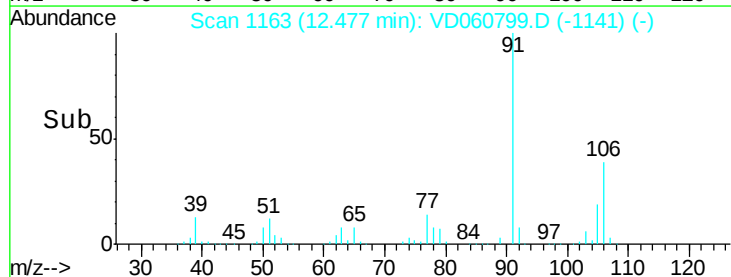
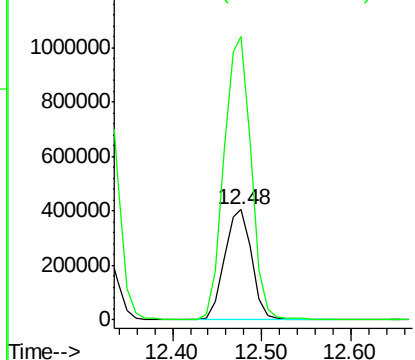


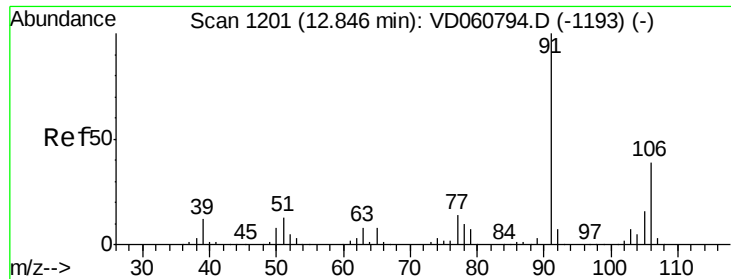
#68
m/p-Xylenes
Concen: 96.624 ug/l
RT: 12.48 min Scan# 1163
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion: 106 Resp: 869301
Ion Ratio Lower Upper
106 100
91 256.4 200.5 300.7



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

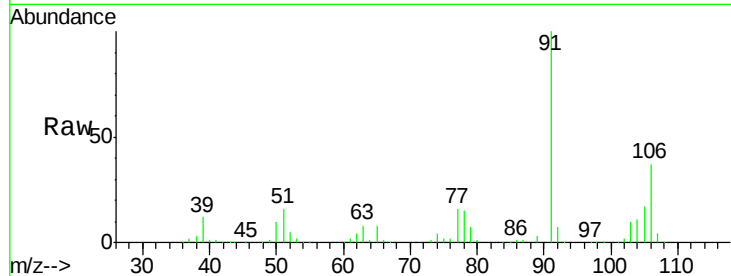




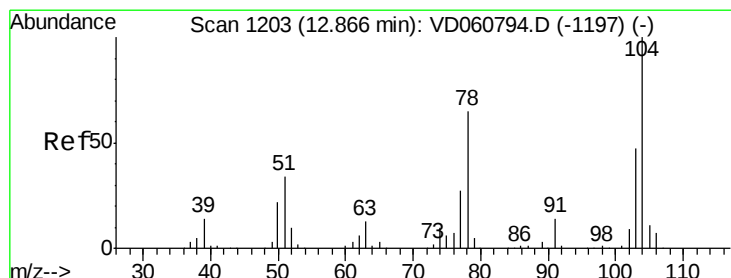
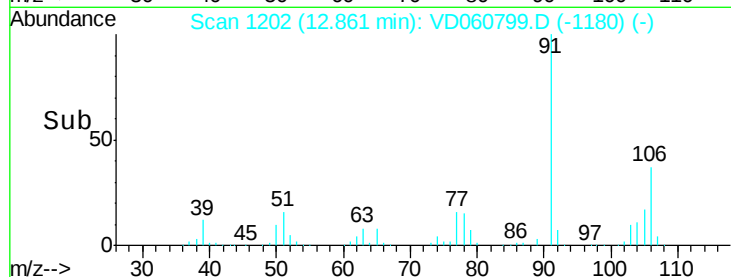
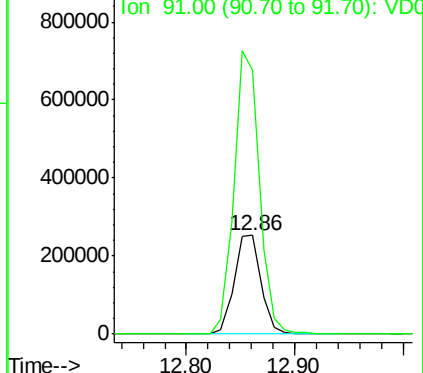
#69
o-Xylene
Concen: 48.830 ug/l
RT: 12.86 min Scan# 1202
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 434804
Ion Ratio Lower Upper
106 100
91 267.3 127.6 382.7

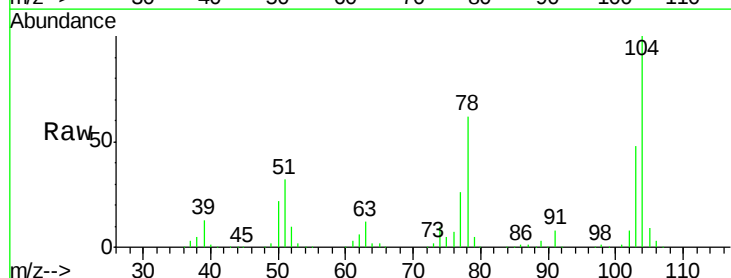


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

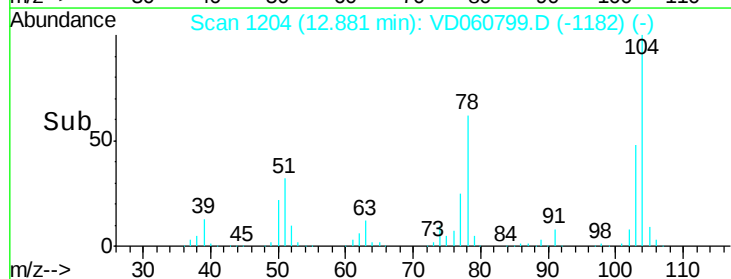
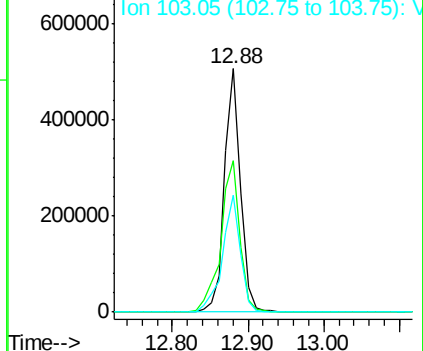


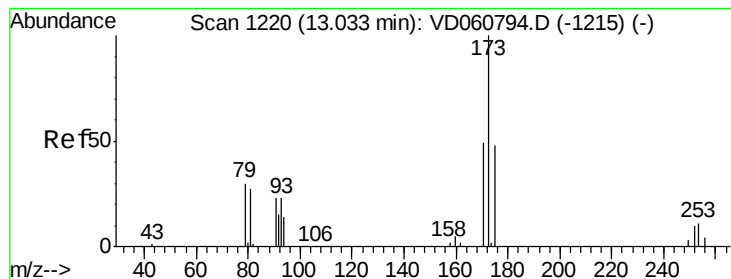
#70
Styrene
Concen: 49.714 ug/l
RT: 12.88 min Scan# 1204
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion:104 Resp: 742328
Ion Ratio Lower Upper
104 100
78 62.4 52.0 78.0
103 47.8 37.7 56.5



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





#71

Bromoform

Concen: 50.447 ug/l

RT: 13.04 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

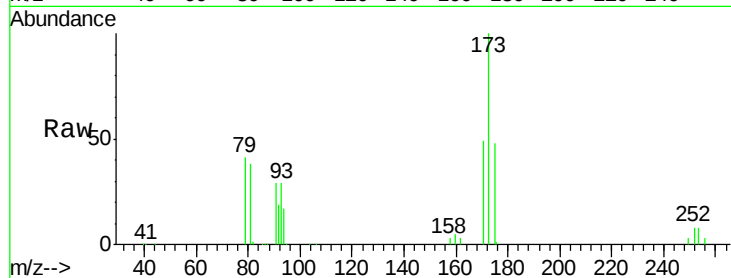
Tot Ion:173 Resp: 251123

Ion Ratio Lower Upper

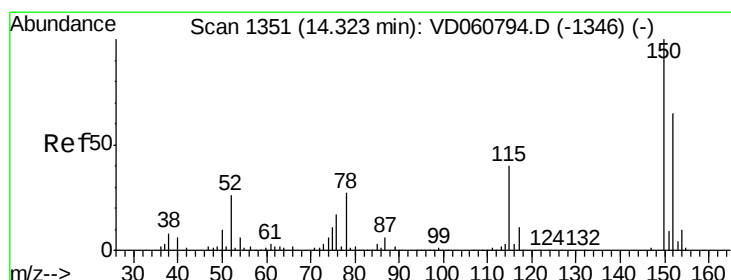
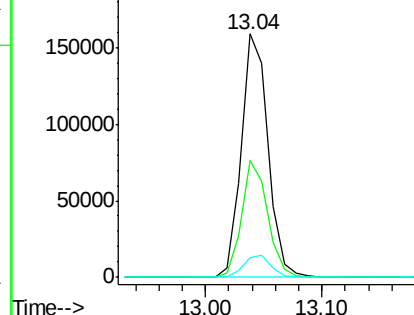
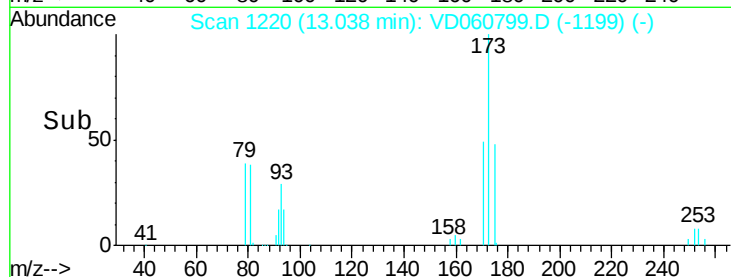
173 100

175 48.1 24.1 72.4

254 8.1 9.1 13.7#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.33 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

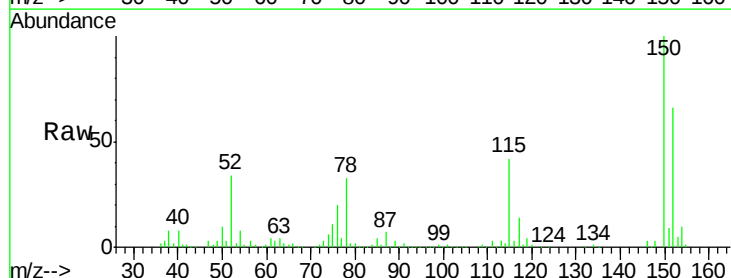
Tgt Ion:152 Resp: 334073

Ion Ratio Lower Upper

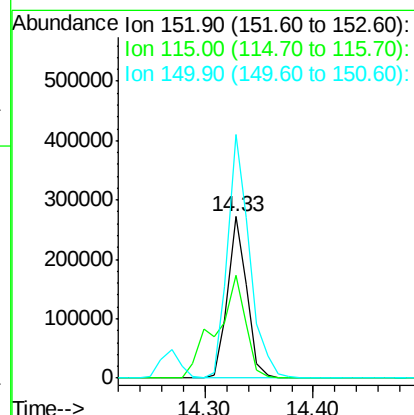
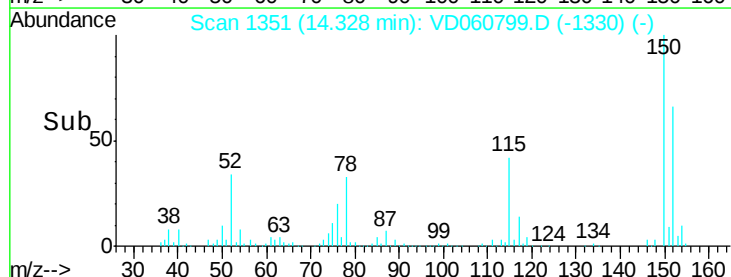
152 100

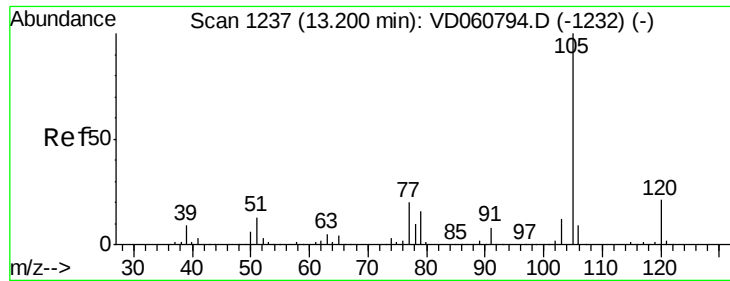
115 64.1 31.6 95.0

150 151.1 0.0 317.6



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





#73

Isopropylbenzene

Concen: 50.348 ug/l

RT: 13.22 min Scan# 1238

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

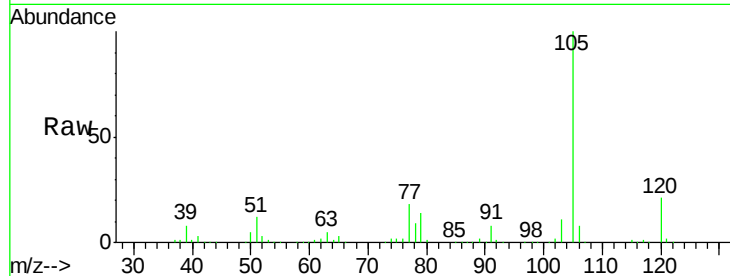
VSTDCCC050

Tot Ion:105 Resp: 1341071

Ion Ratio Lower Upper

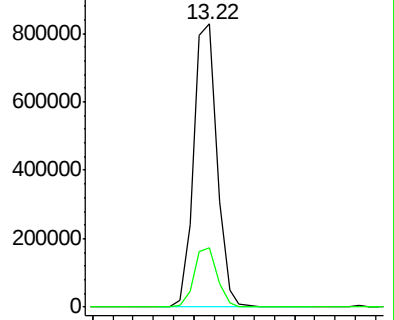
105 100

120 20.9 10.7 32.1

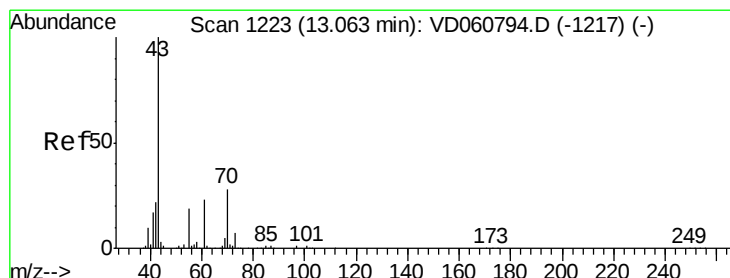
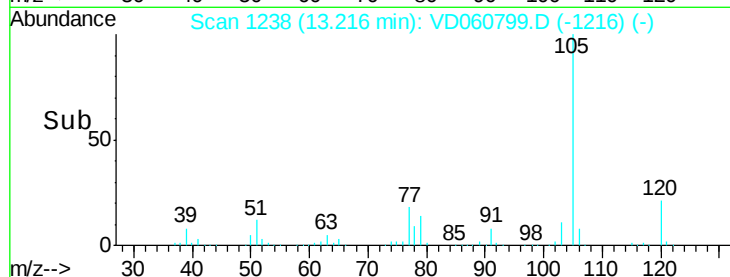


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.10 13.20 13.30



#74

N-ethyl acetate

Concen: 51.531 ug/l

RT: 13.08 min Scan# 1224

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Tgt Ion: 43 Resp: 421967

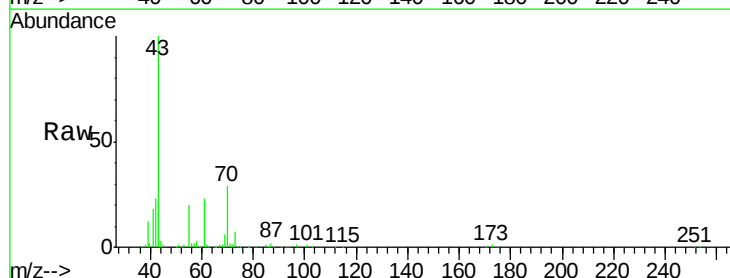
Ion Ratio Lower Upper

43 100

70 29.2 22.2 33.4

55 20.4 15.5 23.3

61 23.3 18.4 27.6

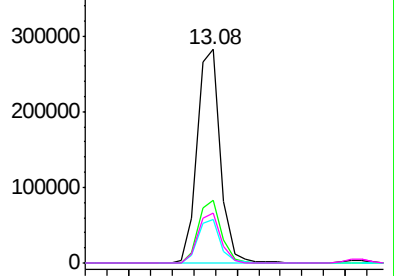


Abundance Ion 42.95 (42.65 to 43.65): VDC

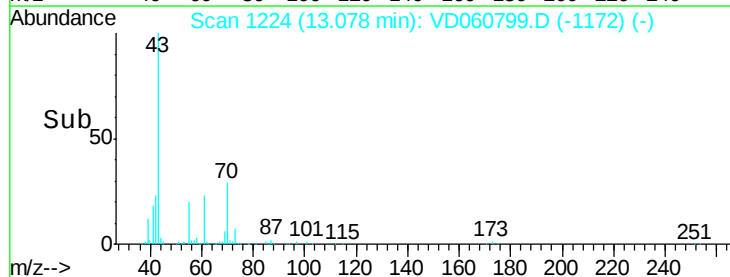
Ion 70.00 (69.70 to 70.70): VDC

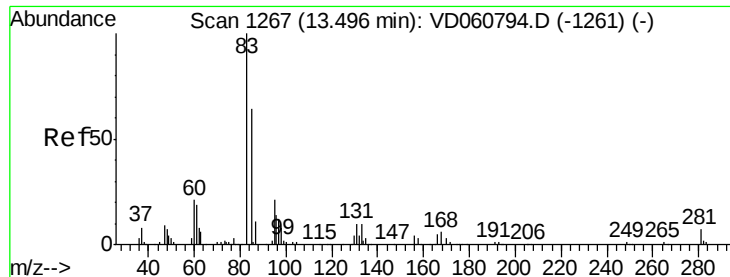
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time--> 13.00 13.10 13.20





#75

1,1,2,2-Tetrachloroethane

Concen: 51.228 ug/l

RT: 13.51 min Scan# 1268

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

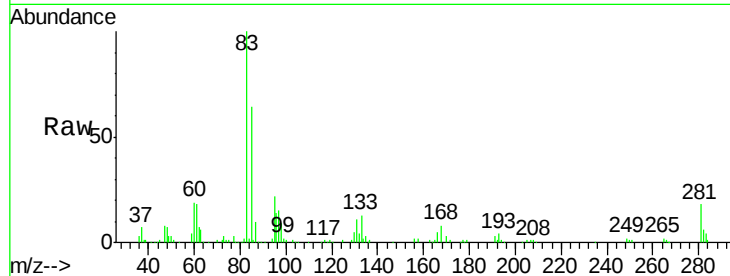
Tot Ion: 83 Resp: 248449

Ion Ratio Lower Upper

83 100

131 11.3 5.0 15.0

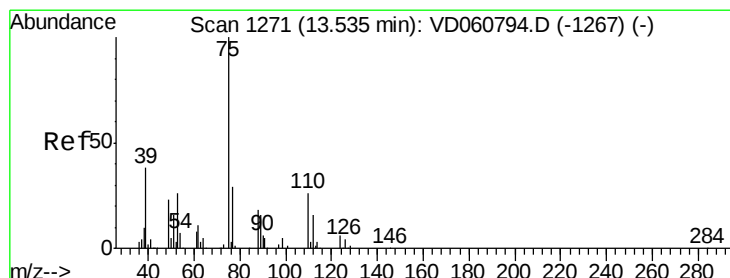
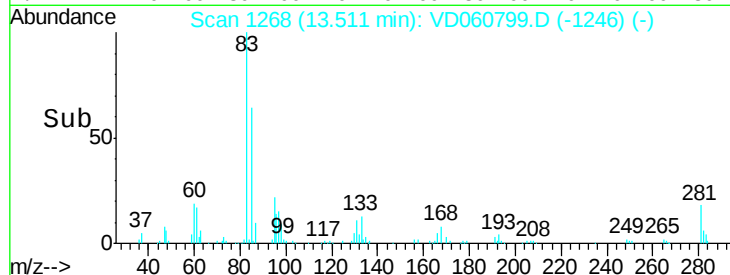
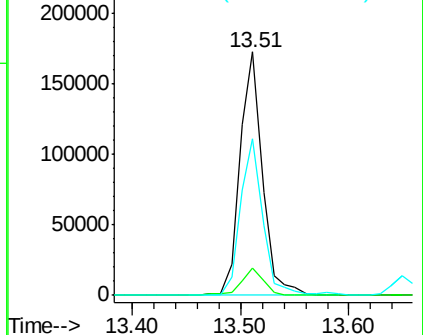
85 64.3 31.8 95.4



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: 48.712 ug/l

RT: 13.54 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD060799.D

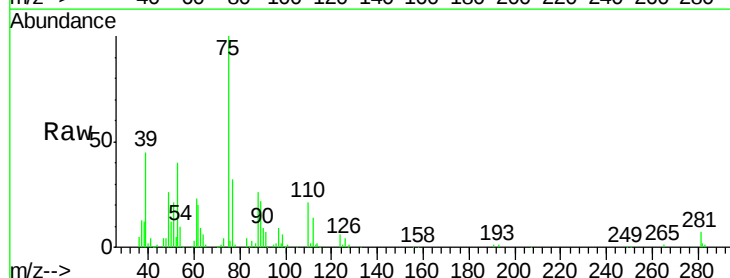
Acq: 30 Jan 2019 11:46

Tgt Ion: 75 Resp: 298412

Ion Ratio Lower Upper

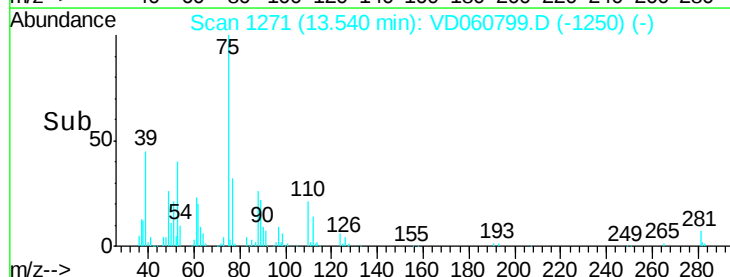
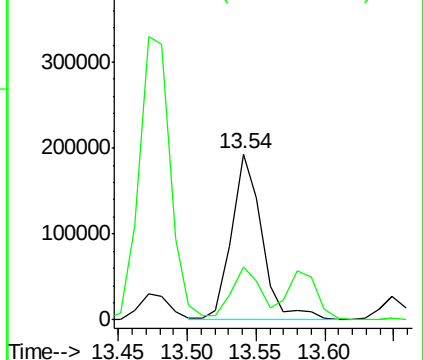
75 100

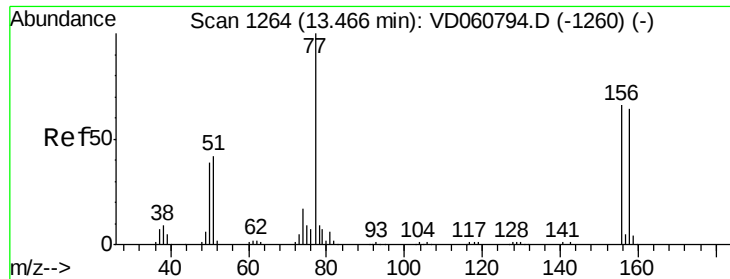
77 32.0 15.9 47.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

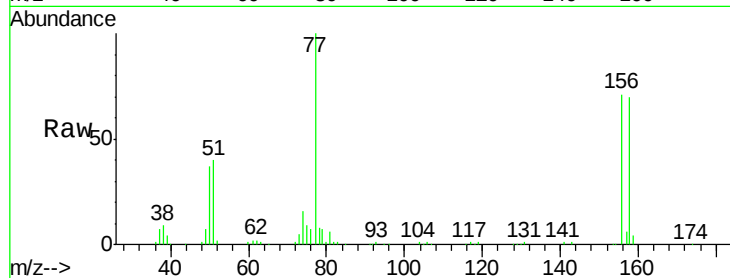




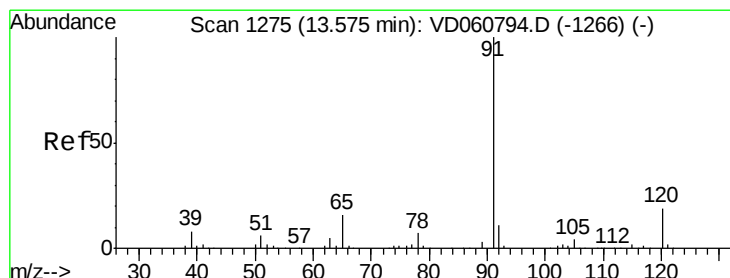
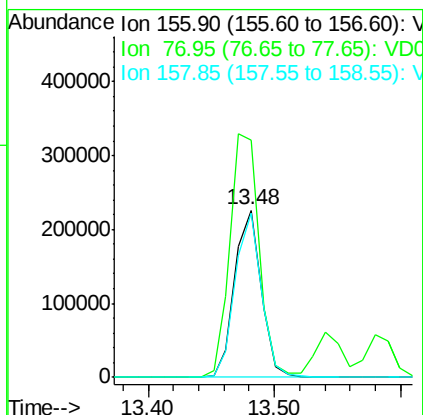
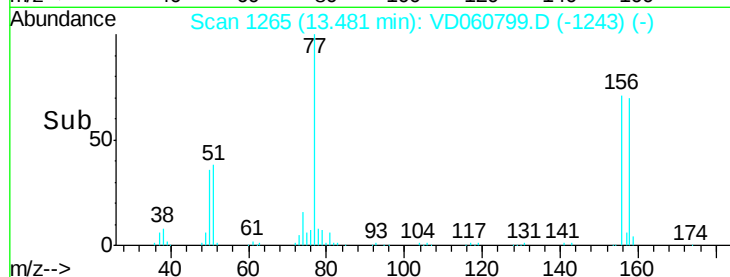
#77
Bromobenzene
Concen: 47.938 ug/l
RT: 13.48 min Scan# 1265
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 328228
Ion Ratio Lower Upper
156 100
77 141.7 76.0 228.0
158 98.8 48.4 145.0

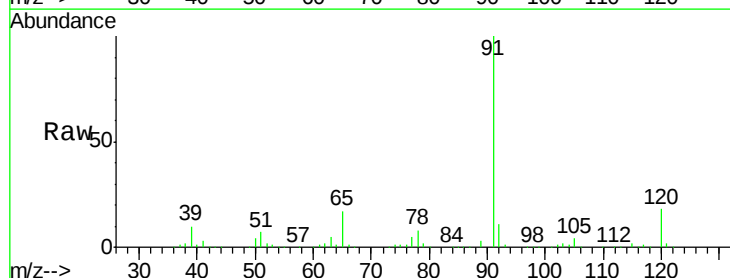


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

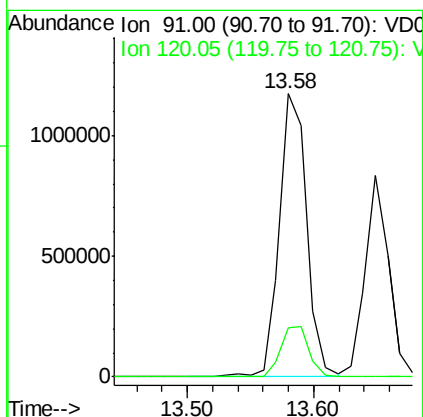
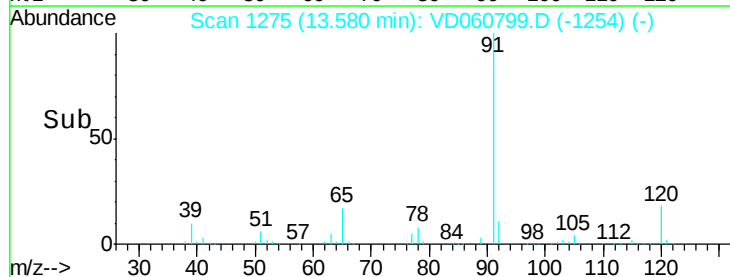


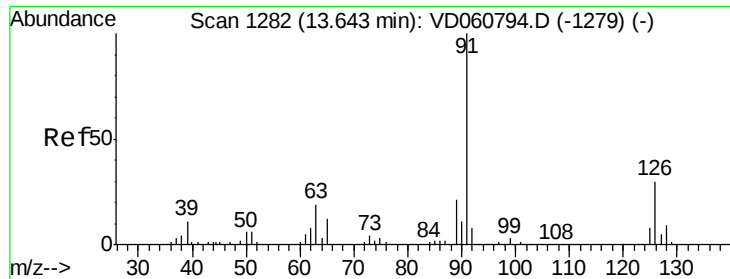
#78
n-propylbenzene
Concen: 52.866 ug/l
RT: 13.58 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion: 91 Resp: 1767713
Ion Ratio Lower Upper
91 100
120 17.6 9.7 28.9



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





#79

2-Chlorotoluene

Concen: 53.065 ug/l

RT: 13.65 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

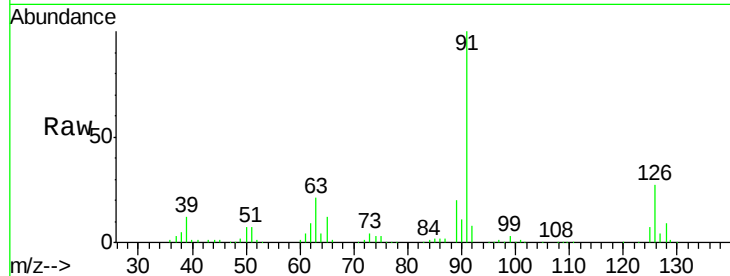
VSTDCCC050

Tot Ion: 91 Resp: 1082244

Ion Ratio Lower Upper

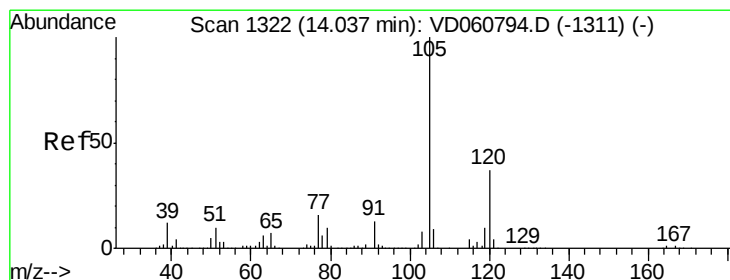
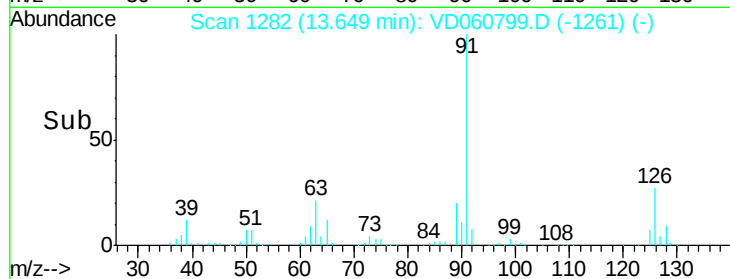
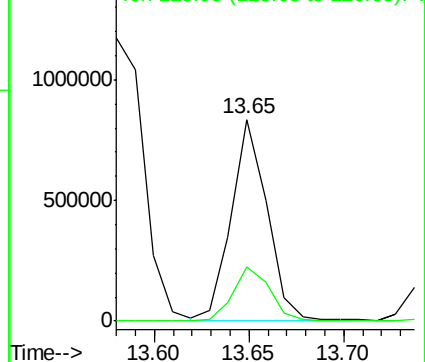
91 100

126 26.8 14.7 44.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 52.851 ug/l

RT: 14.05 min Scan# 1323

Delta R.T. 0.02 min

Lab File: VD060799.D

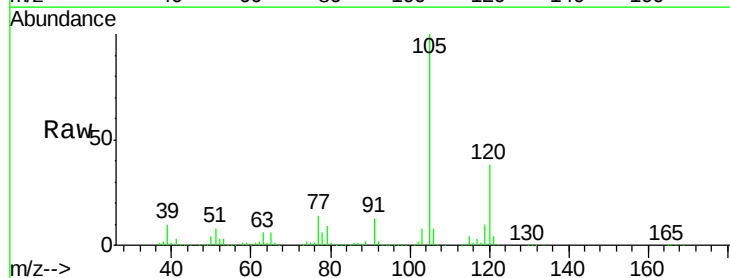
Acq: 30 Jan 2019 11:46

Tgt Ion:105 Resp: 1211899

Ion Ratio Lower Upper

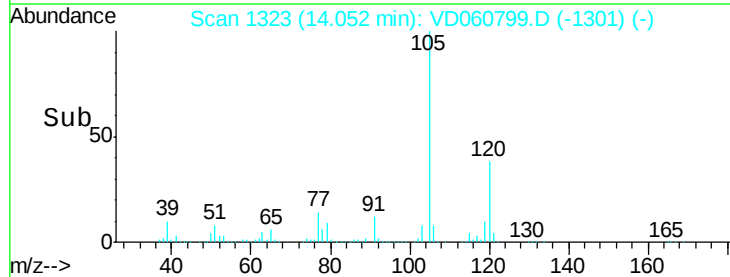
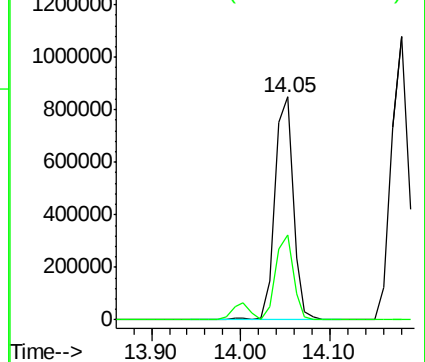
105 100

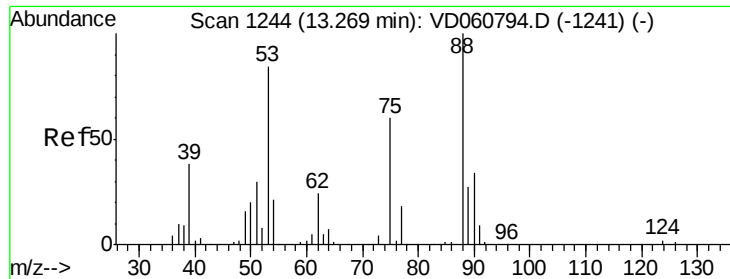
120 38.3 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.848 ug/l

RT: 13.28 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

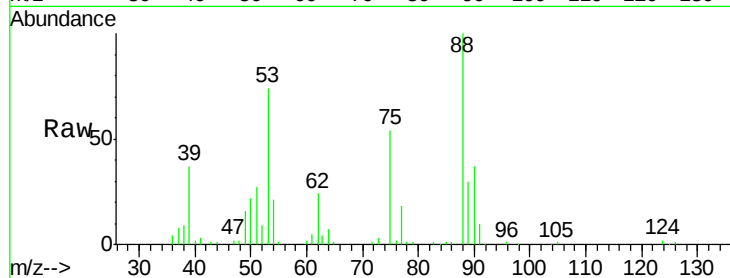
Tot Ion: 75 Resp: 78016

Ion Ratio Lower Upper

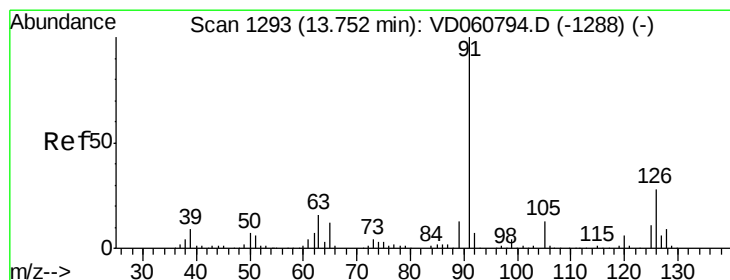
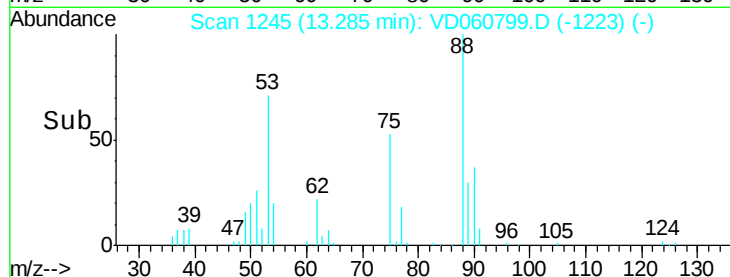
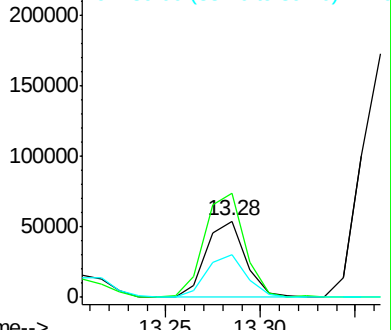
75 100

53 137.3 111.6 167.4

89 56.1 35.9 53.9#



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: 54.843 ug/l

RT: 13.76 min Scan# 1293

Delta R.T. 0.01 min

Lab File: VD060799.D

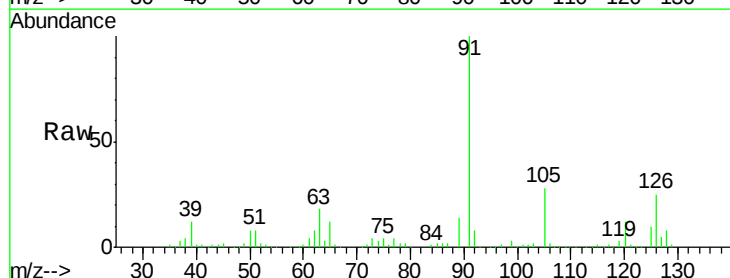
Acq: 30 Jan 2019 11:46

Tgt Ion: 91 Resp: 1243122

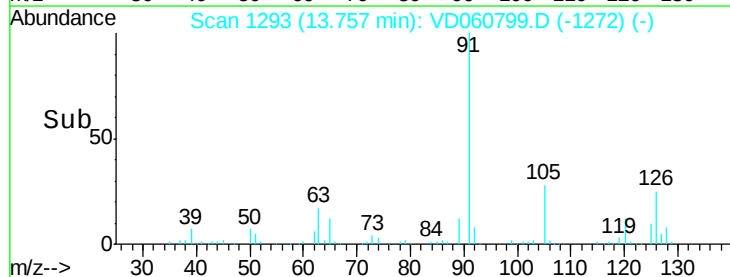
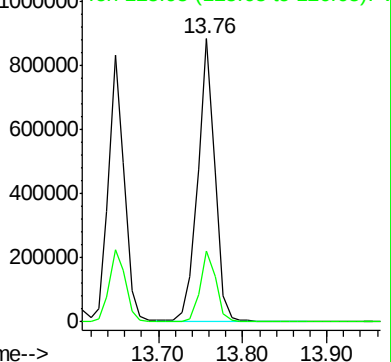
Ion Ratio Lower Upper

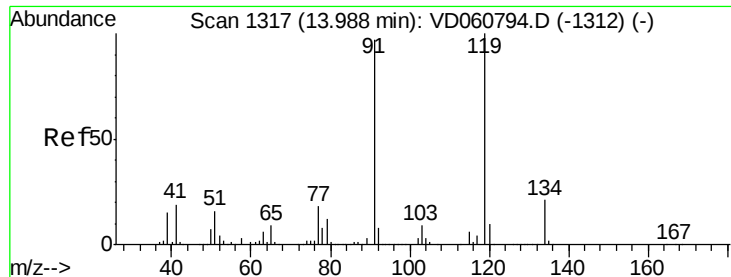
91 100

126 24.9 13.9 41.7



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

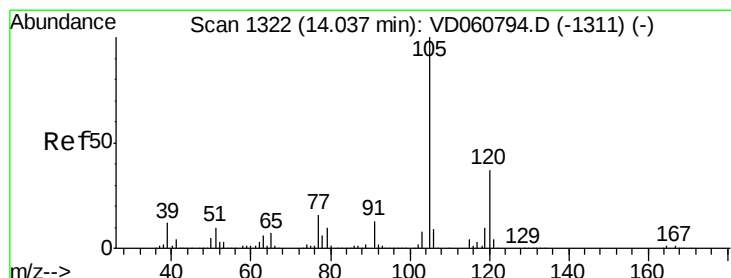
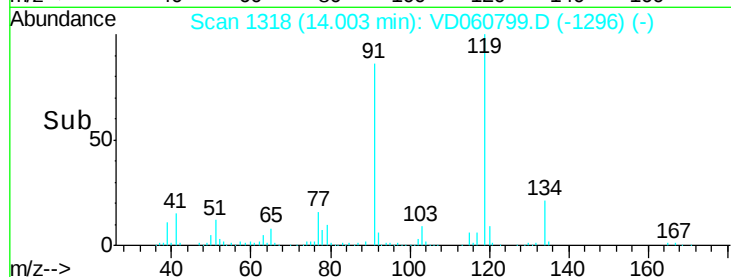
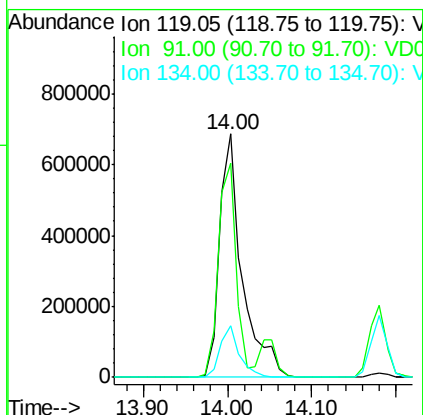
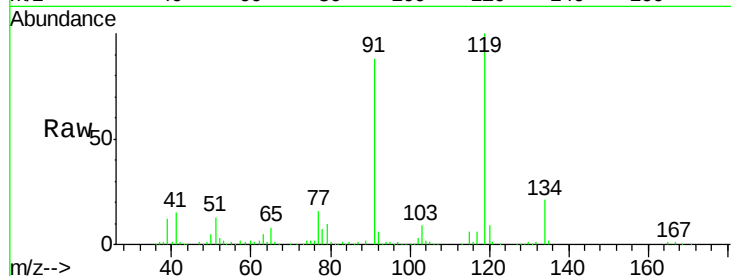




#83
tert-Butylbenzene
Concen: 53.424 ug/l
RT: 14.00 min Scan# 1318
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

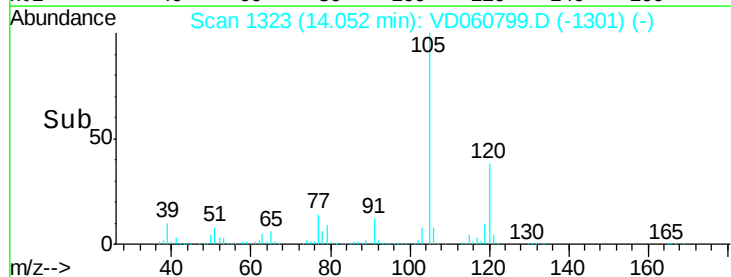
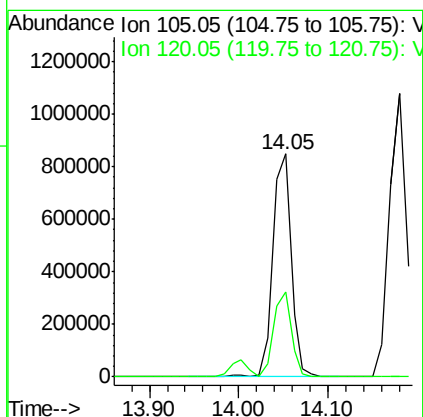
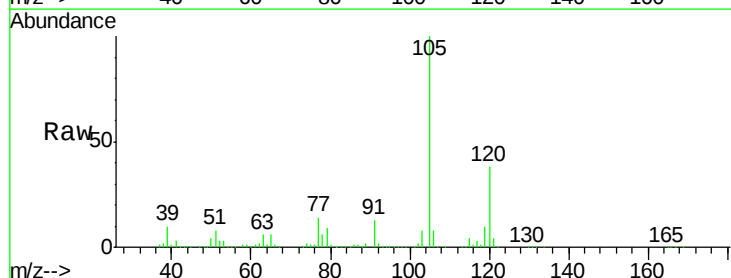
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

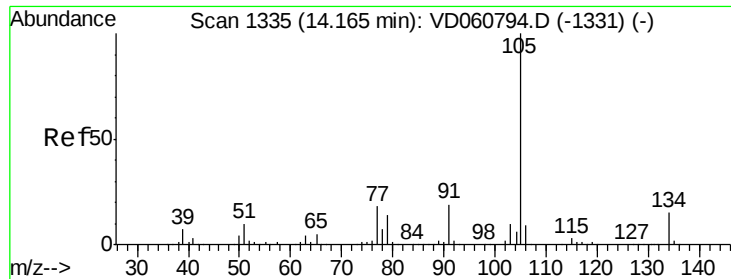
Tot Ion:119 Resp: 1281678
Ion Ratio Lower Upper
119 100
91 88.2 48.5 145.5
134 21.0 10.3 30.8



#84
1,2,4-Trimethylbenzene
Concen: 52.851 ug/l
RT: 14.05 min Scan# 1323
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion:105 Resp: 1211899
Ion Ratio Lower Upper
105 100
120 38.3 18.4 55.2

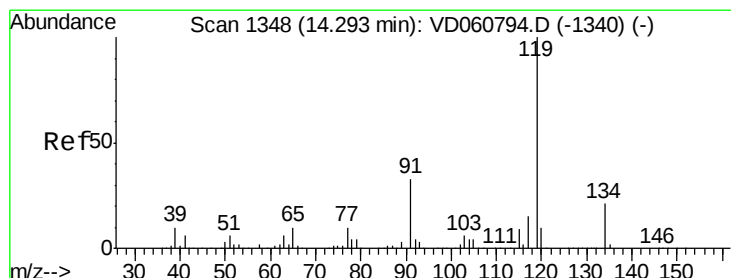
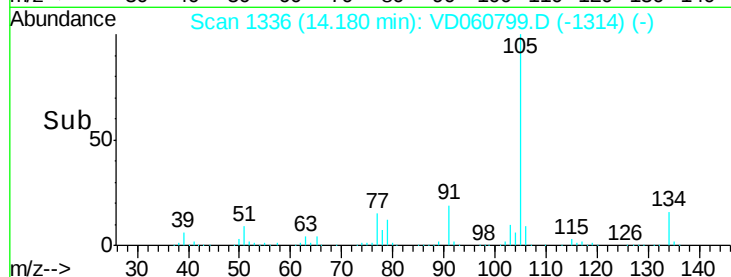
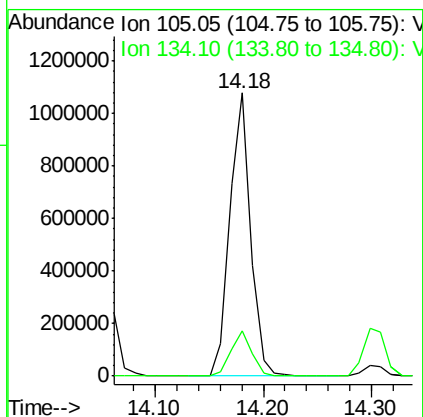
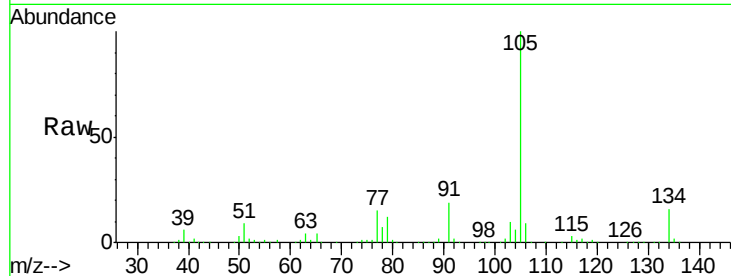




#85
 sec-Butylbenzene
 Concen: 52.611 ug/l
 RT: 14.18 min Scan# 1336
 Delta R.T. 0.02 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

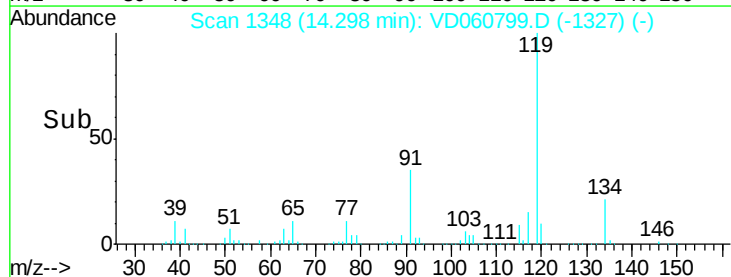
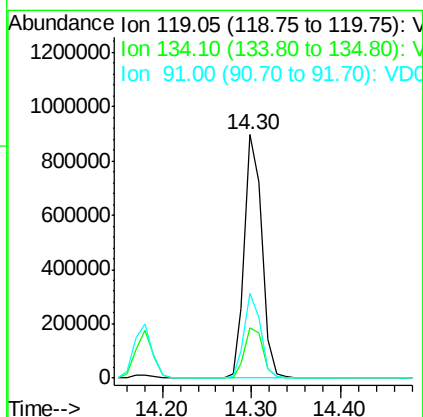
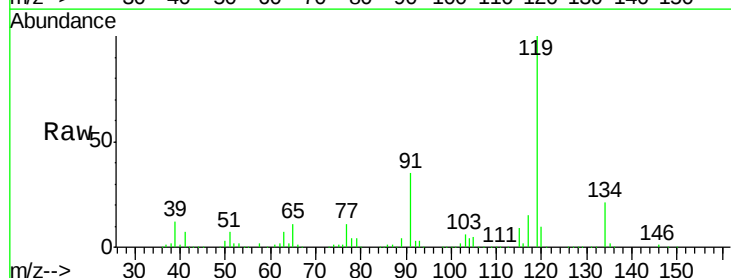
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

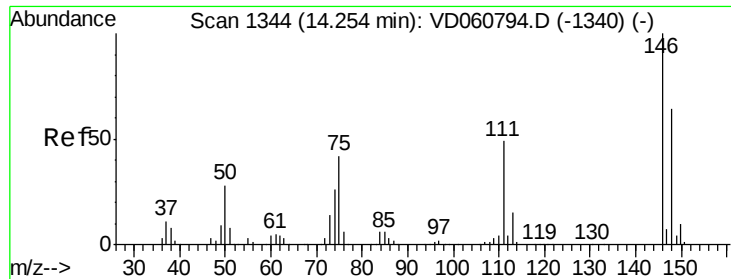
Tot Ion:105 Resp: 1436744
 Ion Ratio Lower Upper
 105 100
 134 16.2 7.4 22.2



#86
 p-Isopropyltoluene
 Concen: 54.876 ug/l
 RT: 14.30 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion:119 Resp: 1216698
 Ion Ratio Lower Upper
 119 100
 134 20.6 10.8 32.3
 91 35.0 16.7 50.0

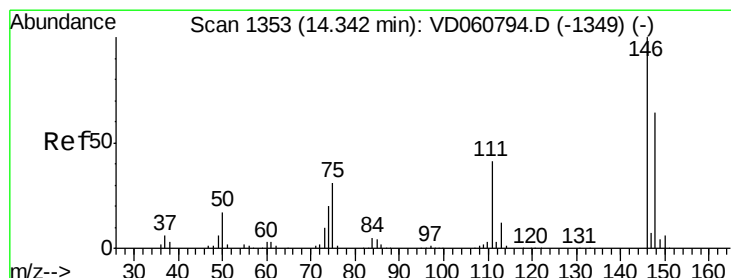
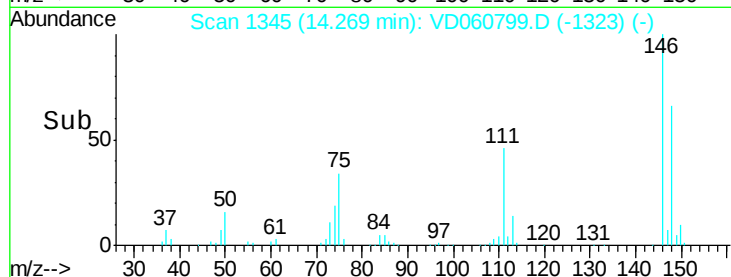
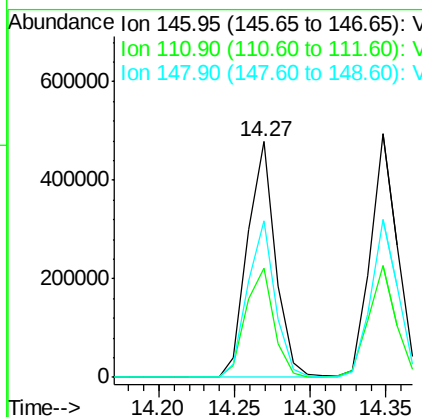
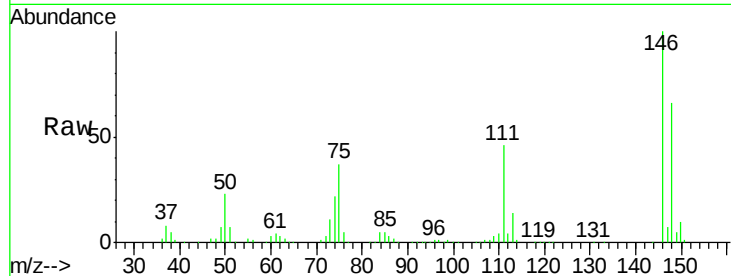




#87
 1,3-Dichlorobenzene
 Concen: 50.345 ug/l
 RT: 14.27 min Scan# 1345
 Delta R.T. 0.02 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

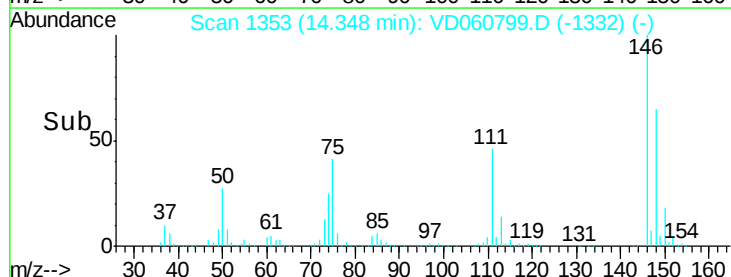
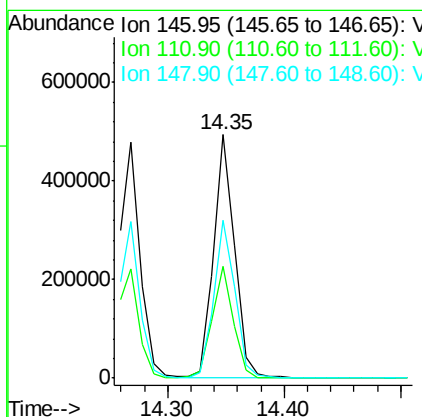
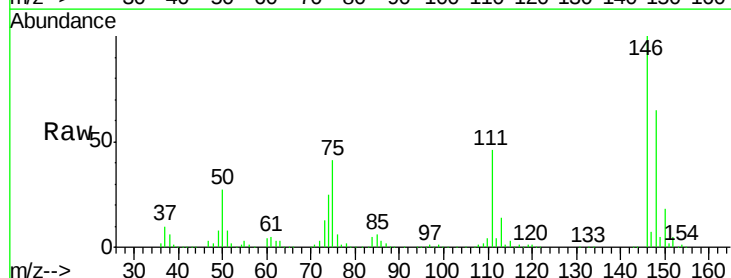
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

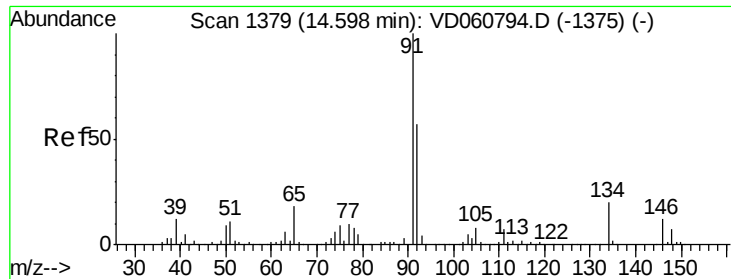
Tot Ion:146 Resp: 616560
 Ion Ratio Lower Upper
 146 100
 111 46.4 24.3 73.0
 148 66.4 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 51.859 ug/l
 RT: 14.35 min Scan# 1353
 Delta R.T. 0.01 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion:146 Resp: 617075
 Ion Ratio Lower Upper
 146 100
 111 45.7 20.6 61.8
 148 64.8 31.9 95.7

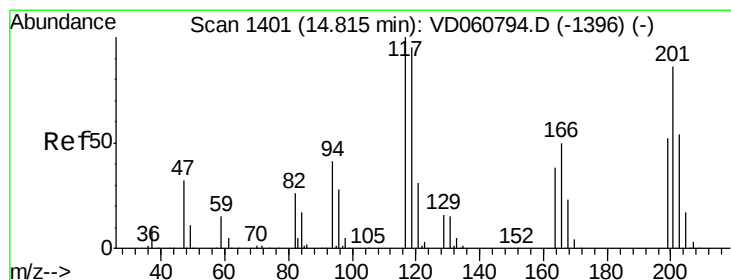
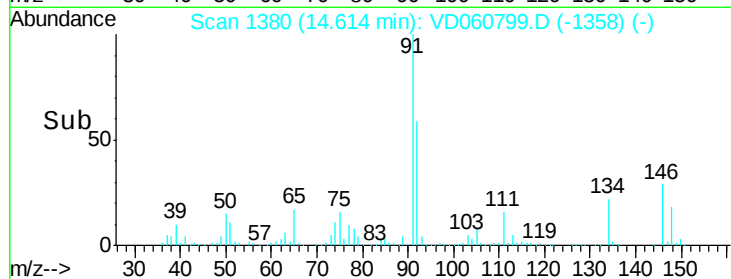
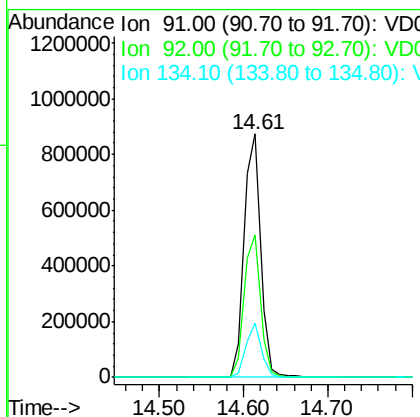
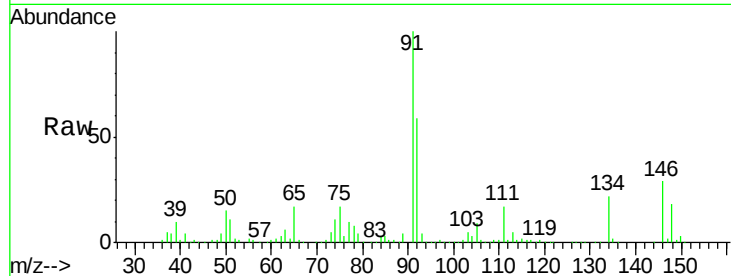




#89
n-Butylbenzene
Concen: 51.656 ug/l
RT: 14.61 min Scan# 1380
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

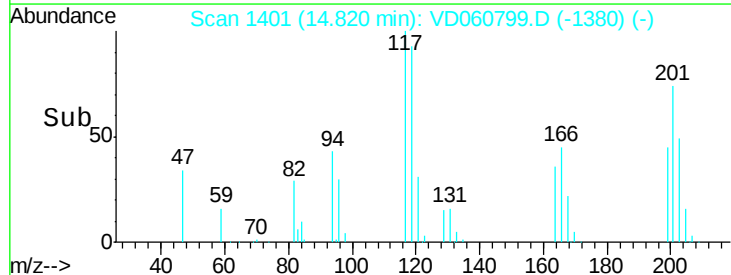
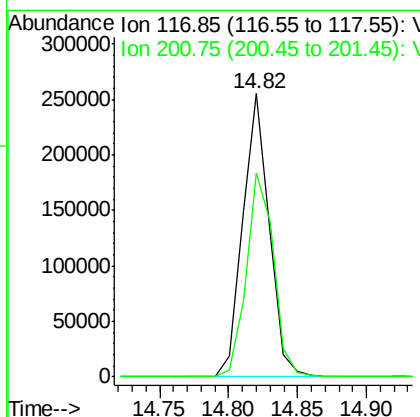
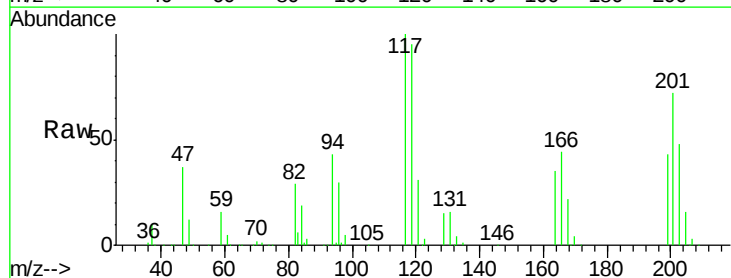
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

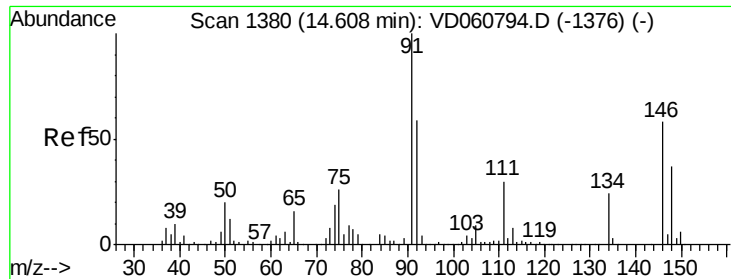
Tot Ion: 91 Resp: 1194948
Ion Ratio Lower Upper
91 100
92 58.8 28.5 85.5
134 22.0 10.0 29.8



#90
Hexachloroethane
Concen: 51.754 ug/l
RT: 14.82 min Scan# 1401
Delta R.T. 0.01 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion: 117 Resp: 341465
Ion Ratio Lower Upper
117 100
201 72.3 43.0 128.8





#91

1,2-Dichlorobenzene

Concen: 48.862 ug/l

RT: 14.62 min Scan# 1381

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

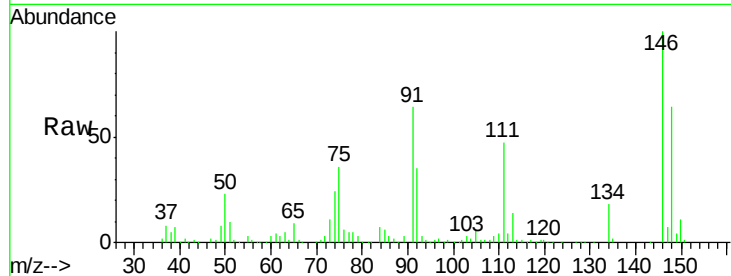
Tot Ion:146 Resp: 496696

Ion Ratio Lower Upper

146 100

111 46.7 25.6 76.8

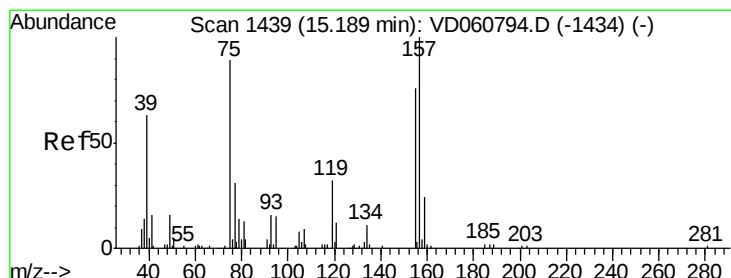
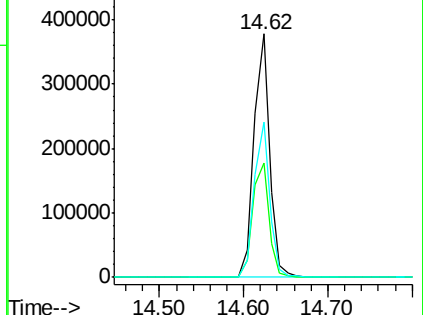
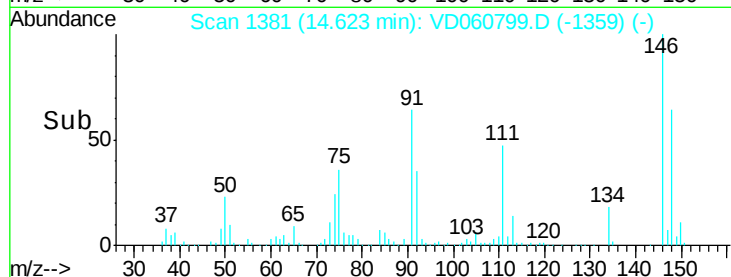
148 64.0 31.4 94.3



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: 53.003 ug/l

RT: 15.19 min Scan# 1439

Delta R.T. 0.01 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

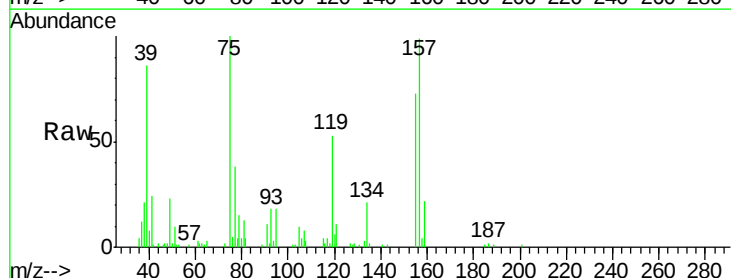
Tgt Ion: 75 Resp: 61071

Ion Ratio Lower Upper

75 100

155 72.8 43.0 129.0

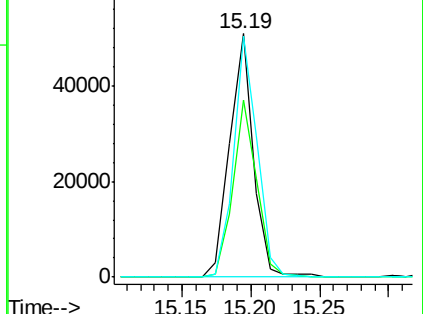
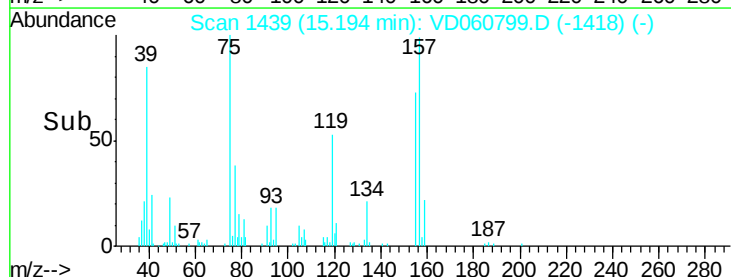
157 98.8 56.3 168.9

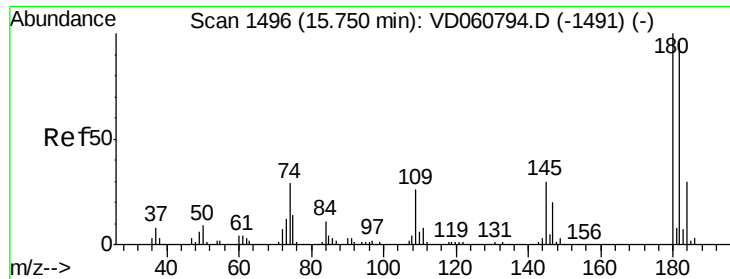


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

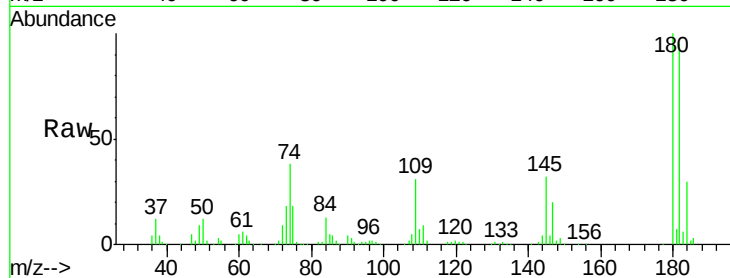




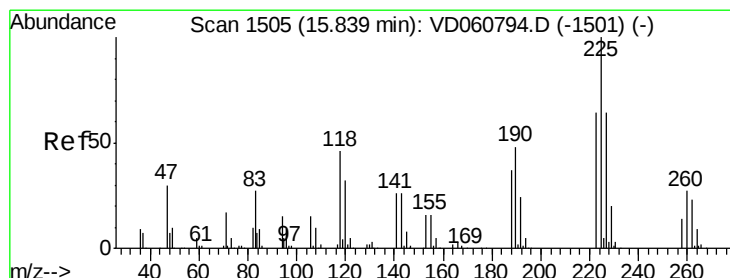
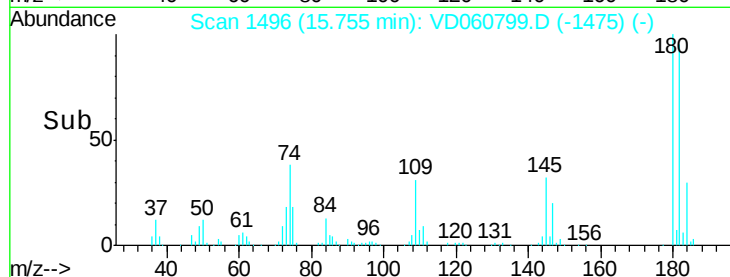
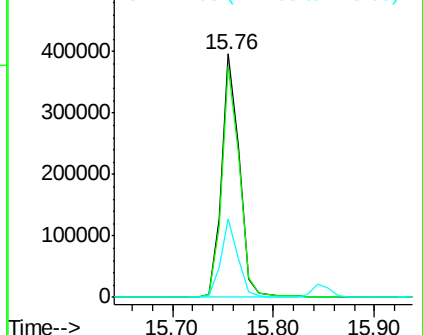
#93
 1,2,4-Trichlorobenzene
 Concen: 55.683 ug/l
 RT: 15.76 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 490111
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.9 143.7
 145 32.0 15.0 45.1

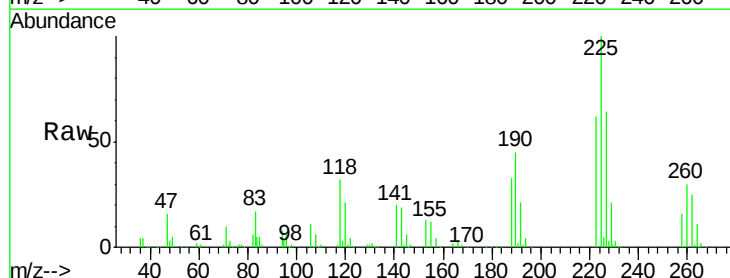


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

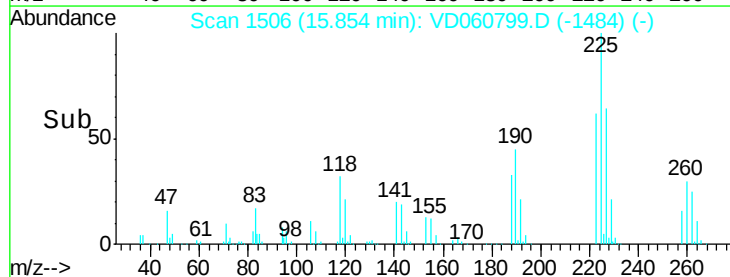
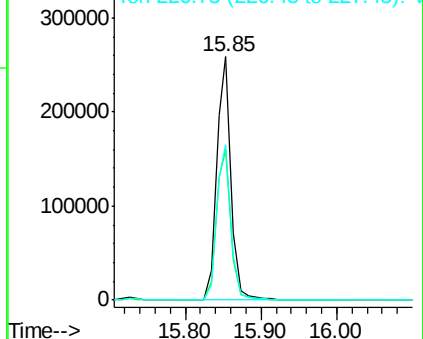


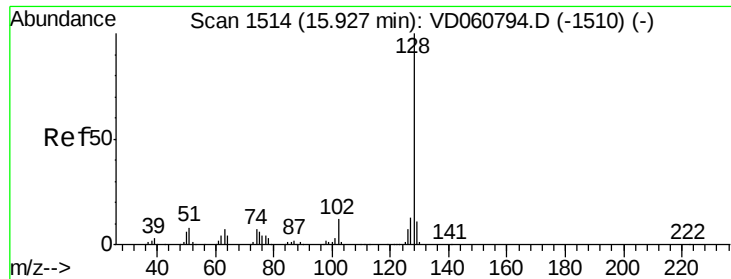
#94
 Hexachlorobutadiene
 Concen: 52.391 ug/l
 RT: 15.85 min Scan# 1506
 Delta R.T. 0.02 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion:225 Resp: 345993
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.8 95.4
 227 63.5 31.9 95.5



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

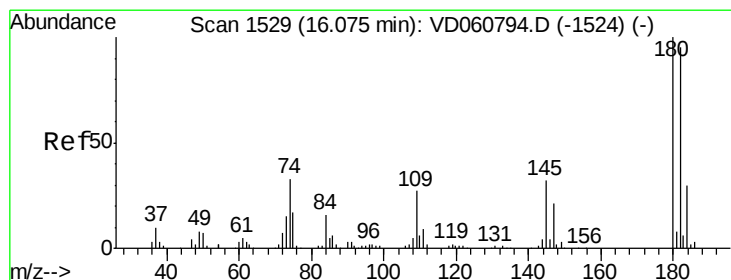
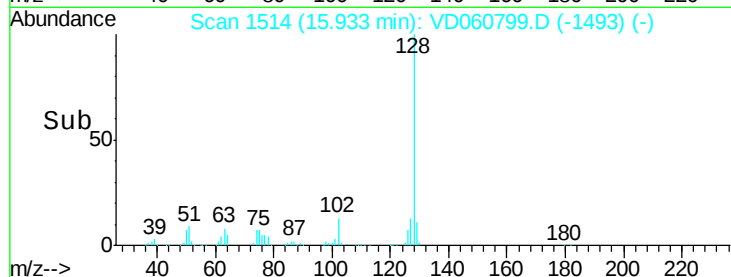
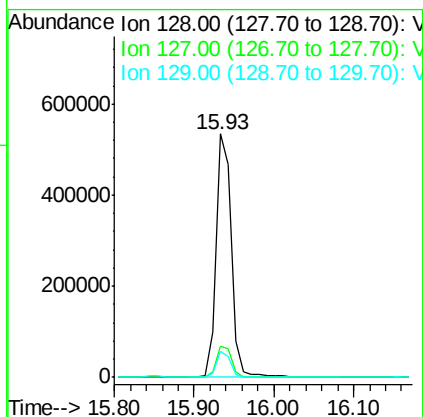
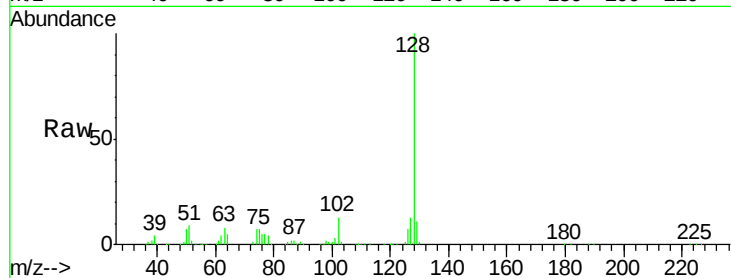




#95
Naphthalene
Concen: 53.405 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 722225
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.379 ug/l
RT: 16.08 min Scan# 1529
Delta R.T. 0.01 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion:180 Resp: 393235
Ion Ratio Lower Upper
180 100
182 95.6 47.4 142.3
145 35.6 15.8 47.4

