

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
 Data File : VD060434.D
 Acq On : 21 Nov 2018 10:57
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 21 13:59:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1478141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2028033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1595521	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	754704	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	464278	43.87	ug/l	0.00
Spiked Amount						
			Recovery	=	87.74%	
35) Dibromofluoromethane	6.33	113	713946	47.21	ug/l	0.00
Spiked Amount						
			Recovery	=	94.42%	
50) Toluene-d8	9.46	98	2007404	45.35	ug/l	0.00
Spiked Amount						
			Recovery	=	90.70%	
62) 4-Bromofluorobenzene	12.43	95	706738	44.07	ug/l	-0.01
Spiked Amount						
			Recovery	=	88.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	557572	47.90	ug/l	97
3) Chloromethane	1.78	50	599764	42.84	ug/l	98
4) Vinyl Chloride	1.88	62	520163	45.49	ug/l	99
5) Bromomethane	2.18	94	147198	54.26	ug/l	96
6) Chloroethane	2.29	64	176692	46.57	ug/l	99
7) Trichlorofluoromethane	2.54	101	667514	49.51	ug/l	96
8) Diethyl Ether	2.85	74	114504	46.91	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.12	101	428458	48.32	ug/l	98
10) Methyl Iodide	3.27	142	479067	41.60	ug/l	99
11) Tert butyl alcohol	3.99	59	110764	254.86	ug/l	96
12) 1,1-Dichloroethene	3.10	96	340366	47.19	ug/l	98
13) Acrolein	3.01	56	98207	191.24	ug/l	96
14) Allyl chloride	3.56	41	686726	49.76	ug/l	97
15) Acrylonitrile	4.11	53	589242	232.50	ug/l	98
16) Acetone	3.17	43	447028	243.50	ug/l	100
17) Carbon Disulfide	3.34	76	1026204	44.08	ug/l	99
18) Methyl Acetate	3.58	43	198489	50.71	ug/l	98
19) Methyl tert-butyl Ether	4.15	73	998579	46.24	ug/l	99
20) Methylene Chloride	3.75	84	795600	48.85	ug/l	98
21) trans-1,2-Dichloroethene	4.12	96	785446	49.05	ug/l	99
22) Diisopropyl ether	4.88	45	2525059	48.98	ug/l	98
23) Vinyl Acetate	4.82	43	6069974	236.61	ug/l	98
24) 1,1-Dichloroethane	4.78	63	1326665	50.18	ug/l	100
25) 2-Butanone	5.64	43	892239	233.82	ug/l	100
26) 2,2-Dichloropropane	5.61	77	1087808	52.92	ug/l	99
27) cis-1,2-Dichloroethene	5.61	96	849525	50.92	ug/l	97
28) Bromochloromethane	5.94	49	606222	51.97	ug/l	95
29) Tetrahydrofuran	5.97	42	444436	220.91	ug/l	99
30) Chloroform	6.12	83	1347199	50.97	ug/l	100
31) Cyclohexane	6.38	56	1123589	44.46	ug/l	96
32) 1,1,1-Trichloroethane	6.30	97	1140369	51.22	ug/l	100
36) 1,1-Dichloropropene	6.54	75	1003159	50.07	ug/l	97
37) Ethyl Acetate	5.71	43	405628	44.00	ug/l	96
38) Carbon Tetrachloride	6.51	117	935756	50.35	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1102471	47.84	ug/l	100
40) Benzene	6.81	78	2561567	50.08	ug/l	99
41) Methacrylonitrile	5.96	41	486213	46.08	ug/l	97
42) 1,2-Dichloroethane	6.90	62	653613	48.83	ug/l	97
43) Isopropyl Acetate	8.35	43	555650	47.98	ug/l	98
44) Trichloroethene	7.75	130	819251	52.84	ug/l	99
45) 1,2-Dichloropropane	8.11	63	652535	50.59	ug/l	100
46) Dibromomethane	8.22	93	364042	48.19	ug/l	97
47) Bromodichloromethane	8.50	83	911397	51.20	ug/l	98
48) Methyl methacrylate	8.25	41	339878	48.31	ug/l	95
49) 1,4-Dioxane	8.23	88	60366	991.78	ug/l #	88
51) 4-Methyl-2-Pentanone	9.35	43	1743781	231.34	ug/l	100
52) Toluene	9.55	92	1669899	51.11	ug/l	98
53) t-1,3-Dichloropropene	9.93	75	746979	49.66	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	978469	50.72	ug/l	97
55) 1,1,2-Trichloroethane	10.19	97	442502	46.73	ug/l	96
56) Ethyl methacrylate	10.03	69	426382	48.97	ug/l	96
57) 1,3-Dichloropropane	10.39	76	708016	49.07	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1206344	229.16	ug/l	97
59) 2-Hexanone	10.49	43	1293385	240.74	ug/l	99
60) Dibromochloromethane	10.64	129	587457	51.04	ug/l	99
61) 1,2-Dibromoethane	10.76	107	470821	49.63	ug/l	100
64) Tetrachloroethene	10.26	164	713345	50.08	ug/l	96
65) Chlorobenzene	11.31	112	1806816	52.26	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	555266	49.09	ug/l	98
67) Ethyl Benzene	11.43	91	2870282	48.54	ug/l	99
68) m/p-Xylenes	11.57	106	2115957	97.00	ug/l	99
69) o-Xylene	11.93	106	1032302	48.98	ug/l	97
70) Styrene	11.96	104	1711488	50.25	ug/l	98
71) Bromoform	12.12	173	383630	50.47	ug/l	98
73) Isopropylbenzene	12.28	105	2958250	53.80	ug/l	100
74) N-amyl acetate	12.13	43	714997	50.72	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	445904	49.59	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	450885	49.94	ug/l	100
77) Bromobenzene	12.54	156	743219	50.89	ug/l	96
78) n-propylbenzene	12.64	91	3635740	52.97	ug/l	99
79) 2-Chlorotoluene	12.71	91	1989866	52.94	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	2186834	51.18	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	132559	51.57	ug/l	100
82) 4-Chlorotoluene	12.81	91	2164366	51.26	ug/l	97
83) tert-Butylbenzene	13.05	119	2539659	53.53	ug/l	93
84) 1,2,4-Trimethylbenzene	13.09	105	2330883	54.62	ug/l	99
85) sec-Butylbenzene	13.22	105	3107701	53.39	ug/l	99
86) p-Isopropyltoluene	13.34	119	2462067	52.53	ug/l	95
87) 1,3-Dichlorobenzene	13.31	146	1357877	52.26	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1276696	50.31	ug/l	94
89) n-Butylbenzene	13.65	91	2437570	54.26	ug/l	98
90) Hexachloroethane	13.86	117	642601	57.82	ug/l	87
91) 1,2-Dichlorobenzene	13.67	146	1055467	49.45	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	53394	49.19	ug/l	75

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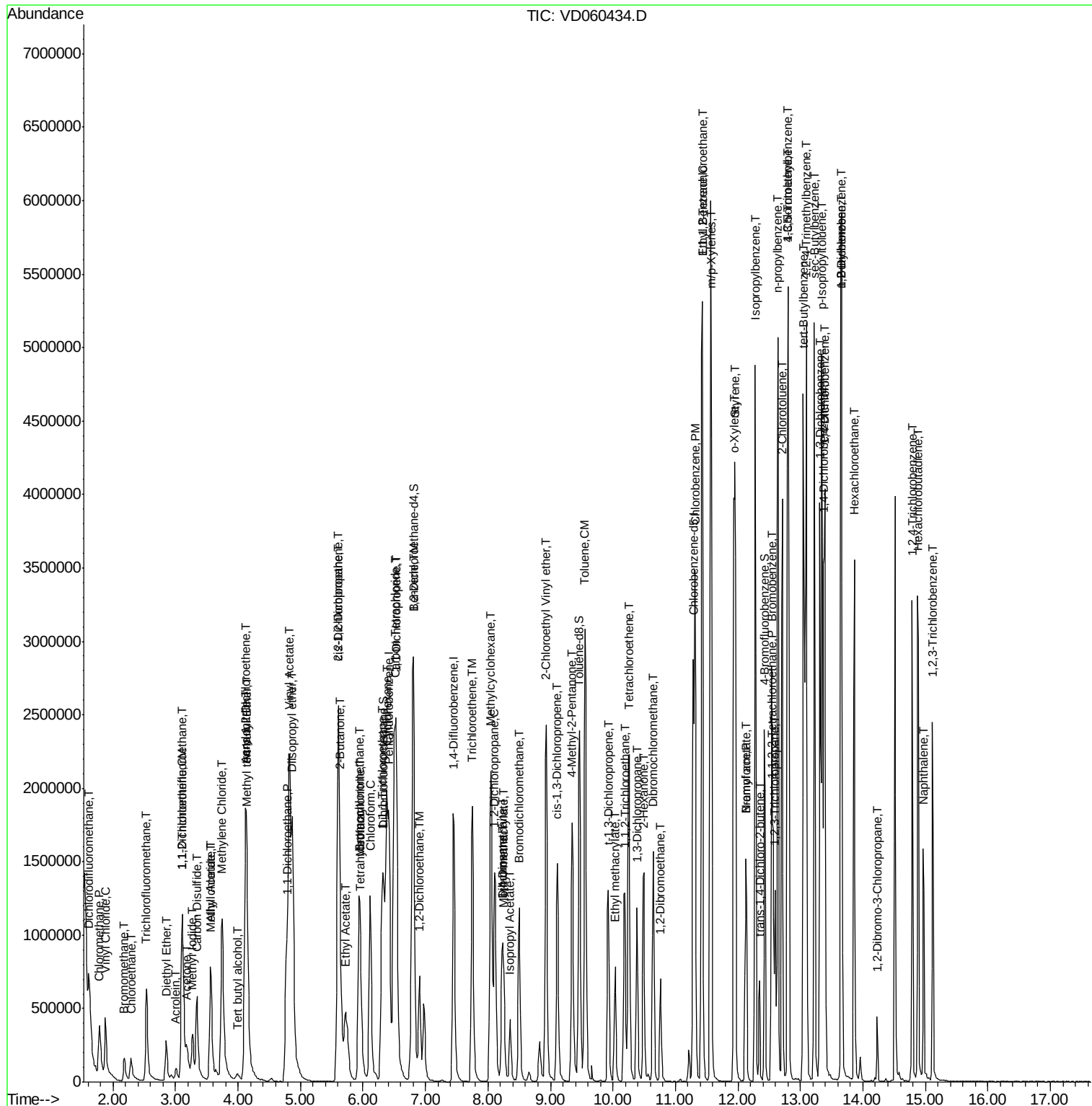
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	886648	52.39	ug/l	98
94) Hexachlorobutadiene	14.89	225	653078	51.60	ug/l	99
95) Naphthalene	14.96	128	1019581	49.34	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	689121	50.82	ug/l	99

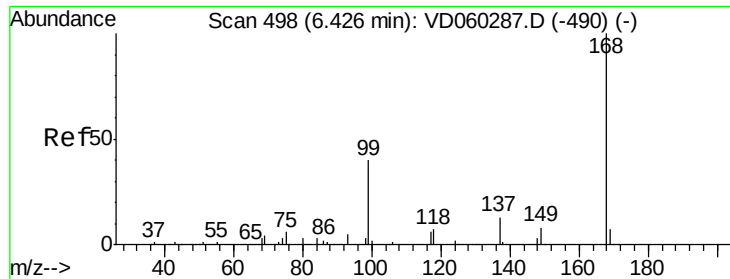
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

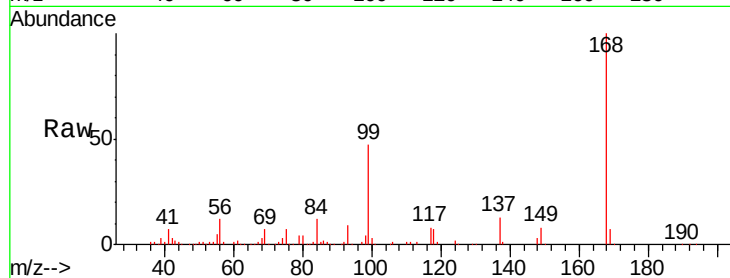
VSTDCCC050

Tgt Ion:168 Resp: 1478141

Ion Ratio Lower Upper

168 100

99 47.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

500000

400000

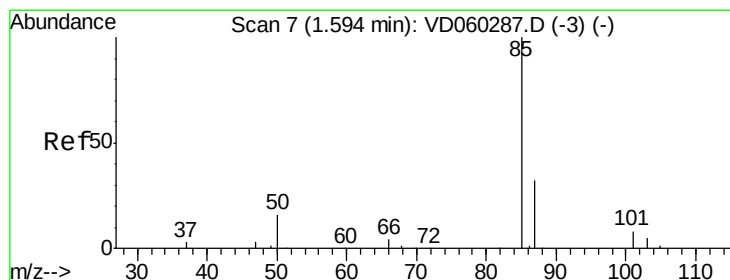
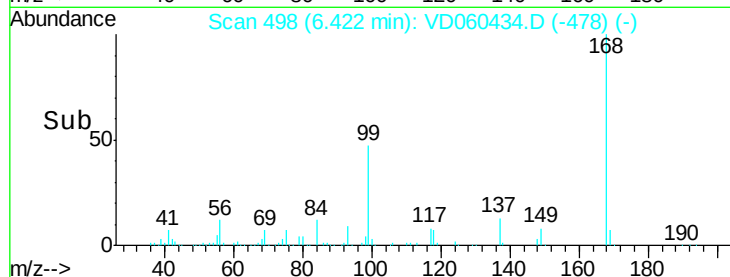
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.90 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060434.D

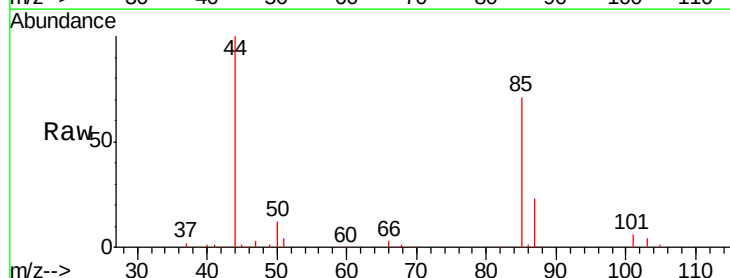
Acq: 21 Nov 2018 10:57

Tgt Ion: 85 Resp: 557572

Ion Ratio Lower Upper

85 100

87 31.8 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

250000

200000

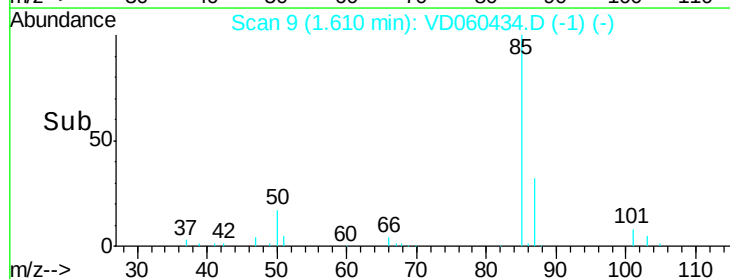
150000

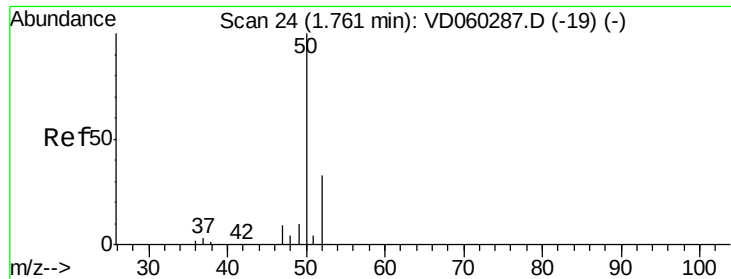
100000

50000

0

Time-->





#3

Chloromethane

Concen: 42.84 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.02 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

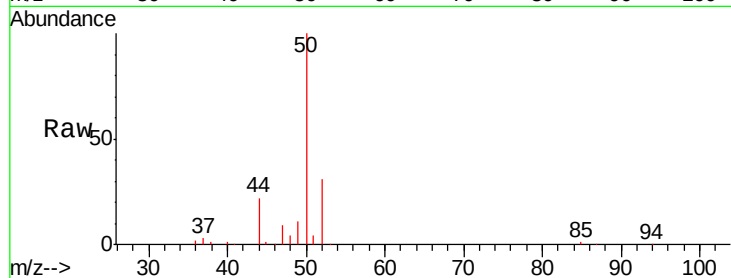
VSTDCCC050

Tgt Ion: 50 Resp: 599764

Ion Ratio Lower Upper

50 100

52 30.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.78

200000

150000

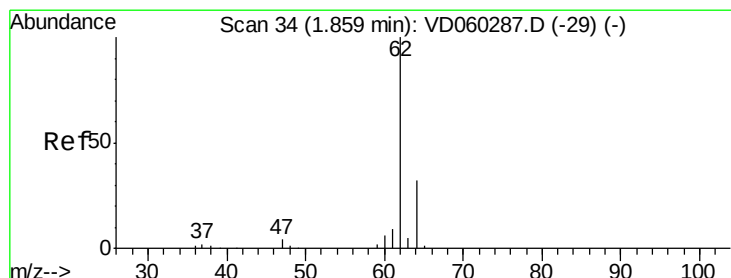
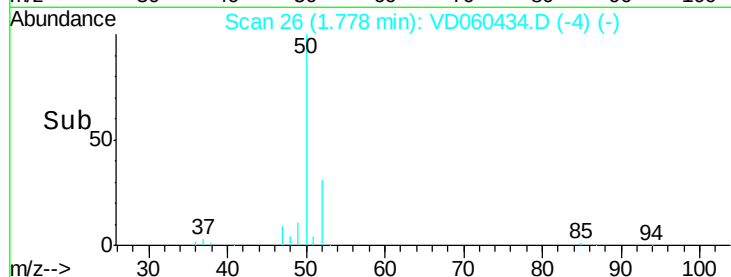
100000

50000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 45.49 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD060434.D

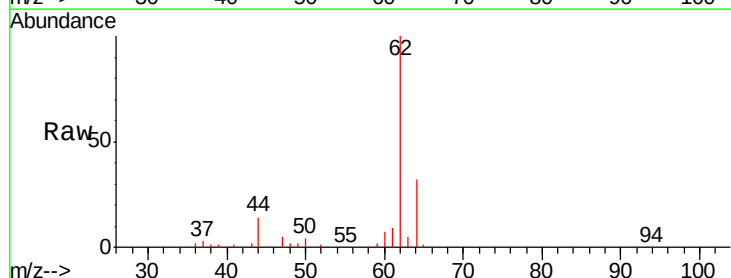
Acq: 21 Nov 2018 10:57

Tgt Ion: 62 Resp: 520163

Ion Ratio Lower Upper

62 100

64 31.7 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.88

250000

200000

150000

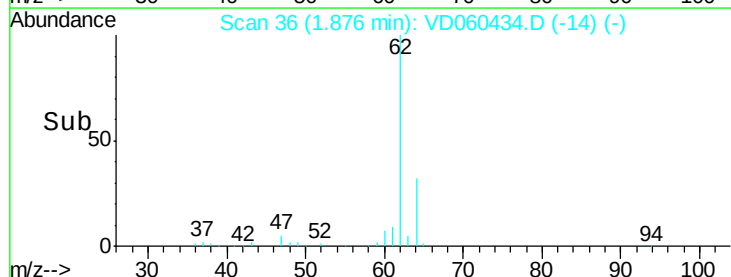
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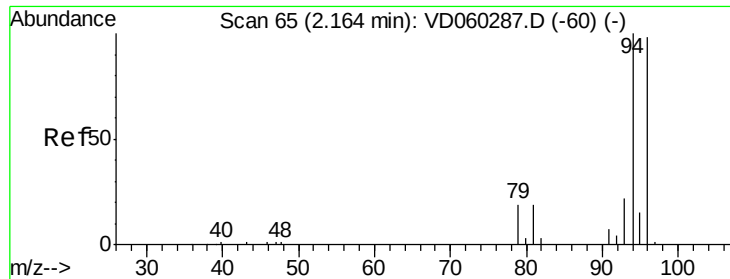
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 54.26 ug/l

RT: 2.18 min Scan# 67

Delta R.T. 0.02 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

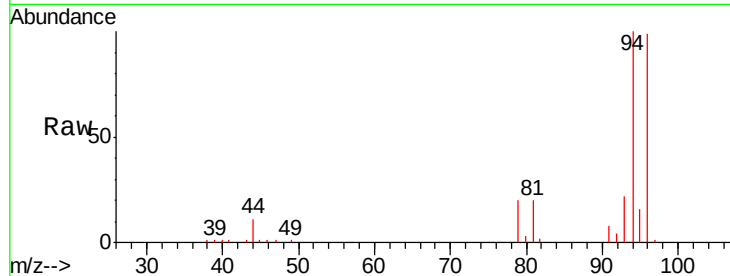
VSTDCCC050

Tgt Ion: 94 Resp: 147198

Ion Ratio Lower Upper

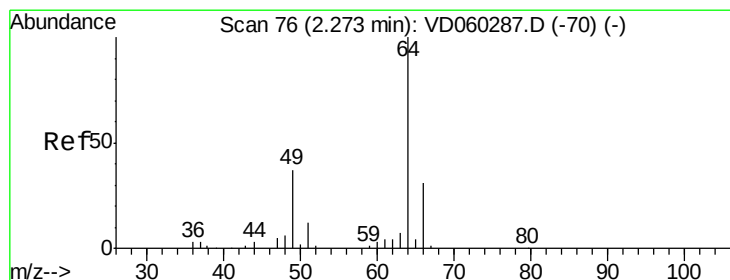
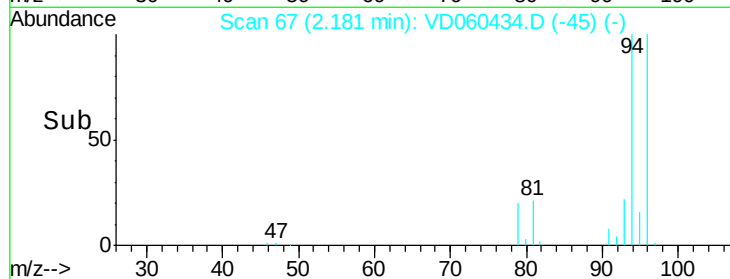
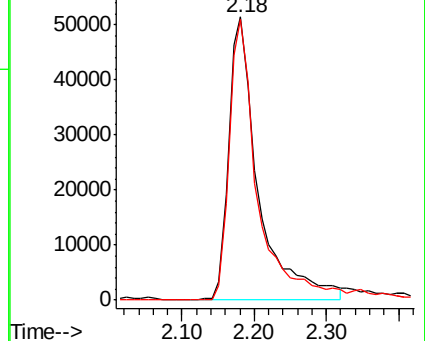
94 100

96 99.4 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.57 ug/l

RT: 2.29 min Scan# 78

Delta R.T. 0.02 min

Lab File: VD060434.D

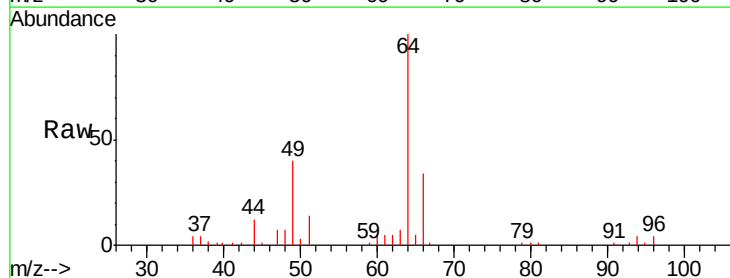
Acq: 21 Nov 2018 10:57

Tgt Ion: 64 Resp: 176692

Ion Ratio Lower Upper

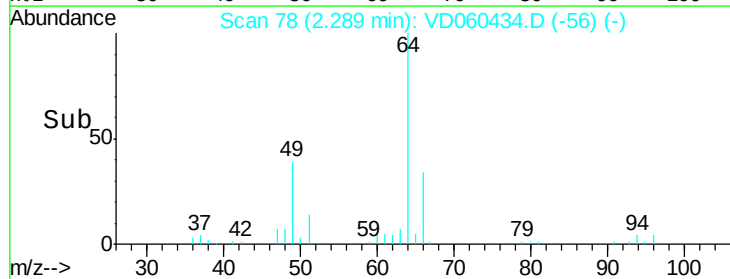
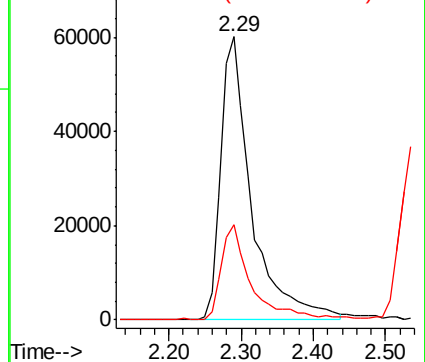
64 100

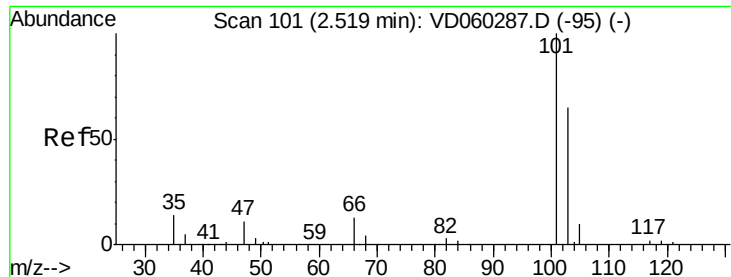
66 33.7 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



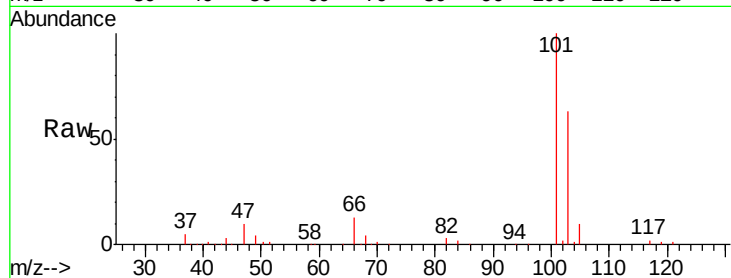


#7

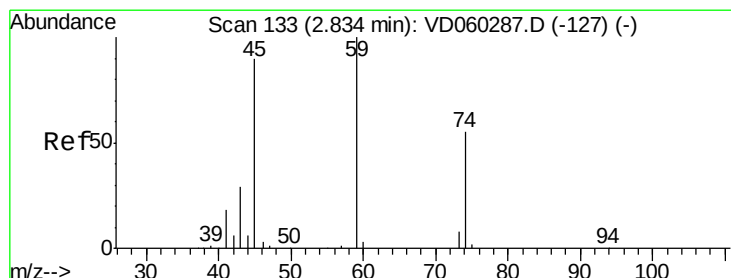
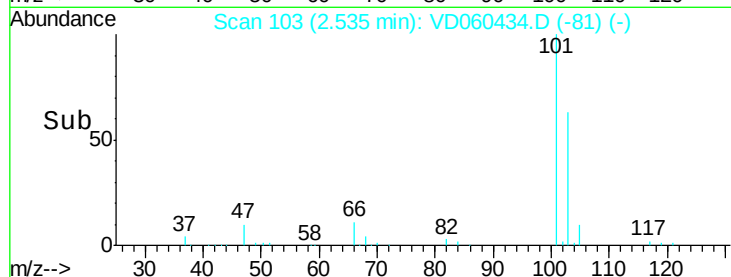
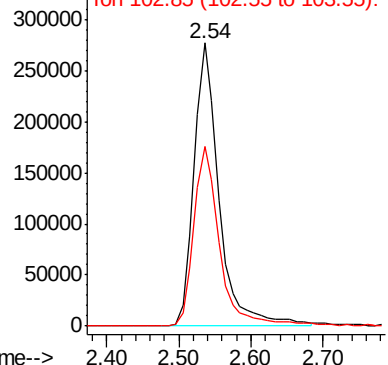
Trichlorofluoromethane
 Concen: 49.51 ug/l
 RT: 2.54 min Scan# 103
 Delta R.T. 0.02 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 101 Resp: 667514
 Ion Ratio Lower Upper
 101 100
 103 63.5 53.6 80.4



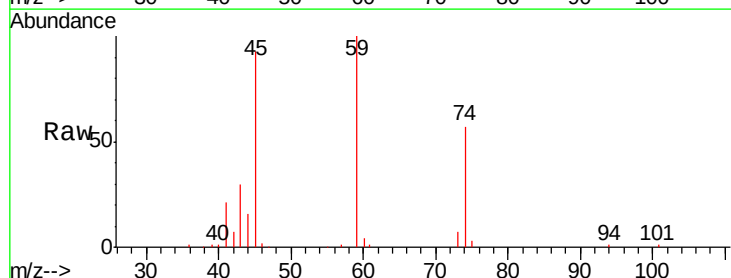
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



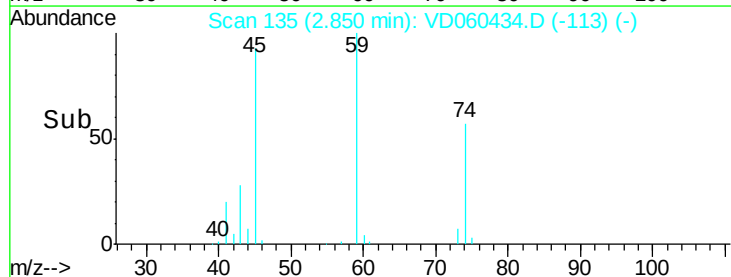
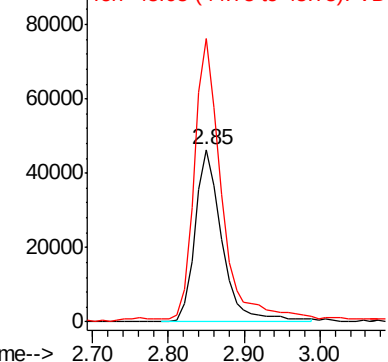
#8

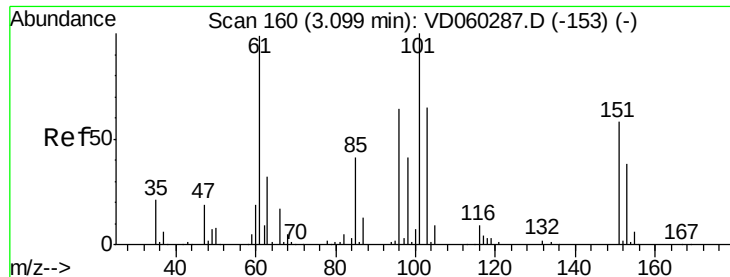
Diethyl Ether
 Concen: 46.91 ug/l
 RT: 2.85 min Scan# 135
 Delta R.T. 0.02 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Tgt Ion: 74 Resp: 114504
 Ion Ratio Lower Upper
 74 100
 45 164.1 84.8 254.4



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: 48.32 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

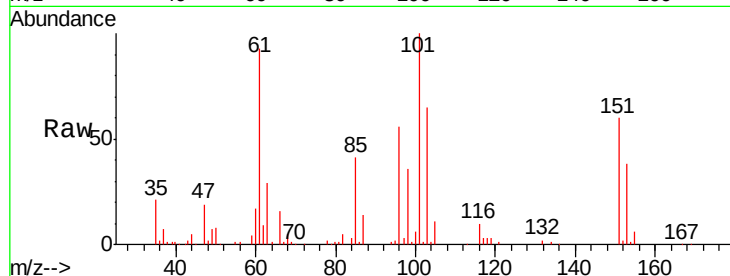
Tgt Ion:101 Resp: 428458

Ion Ratio Lower Upper

101 100

85 40.9 31.4 47.0

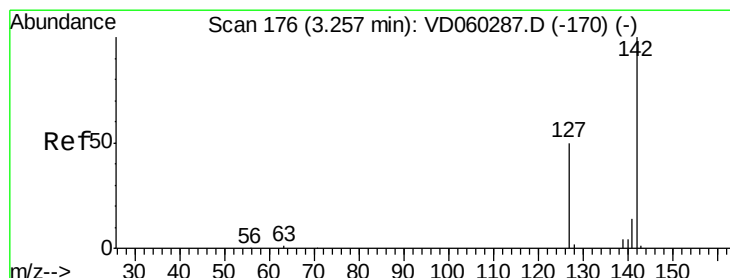
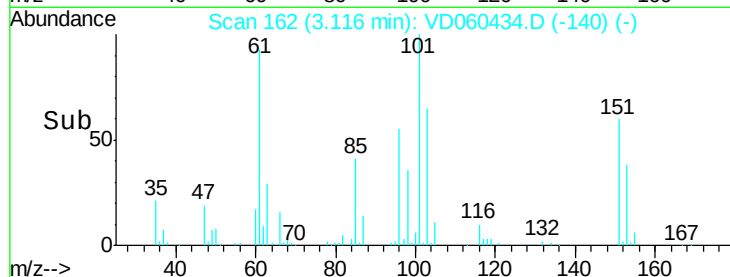
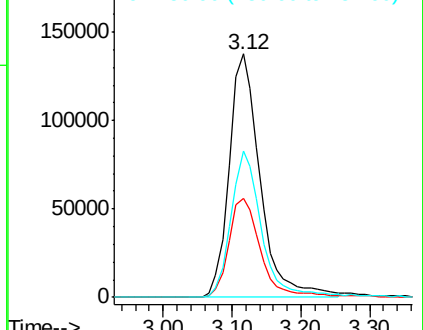
151 60.2 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 41.60 ug/l

RT: 3.27 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

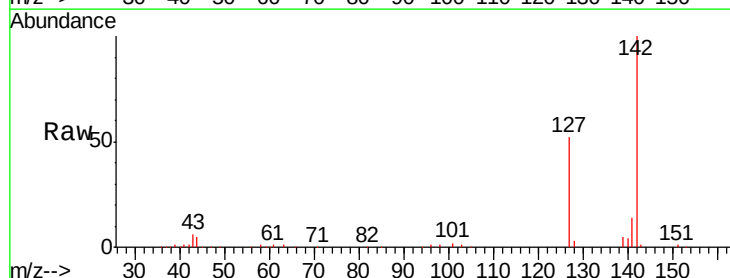
Tgt Ion:142 Resp: 479067

Ion Ratio Lower Upper

142 100

127 51.7 41.0 61.6

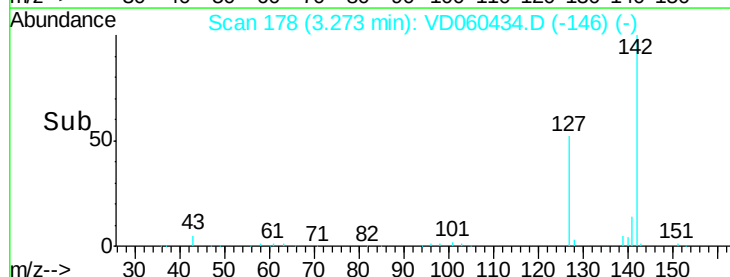
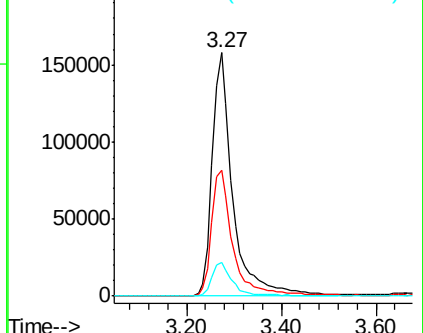
141 14.0 11.9 17.9

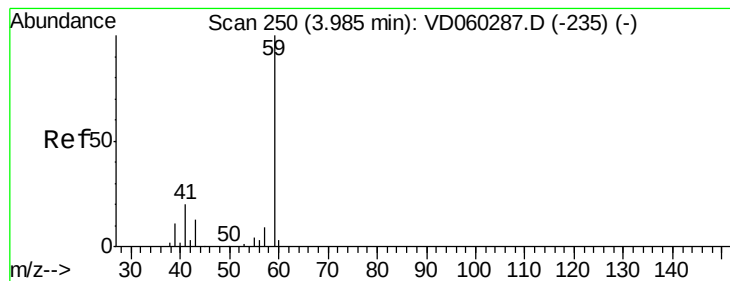


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



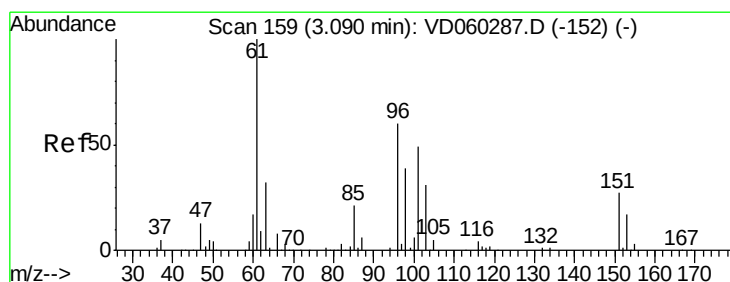
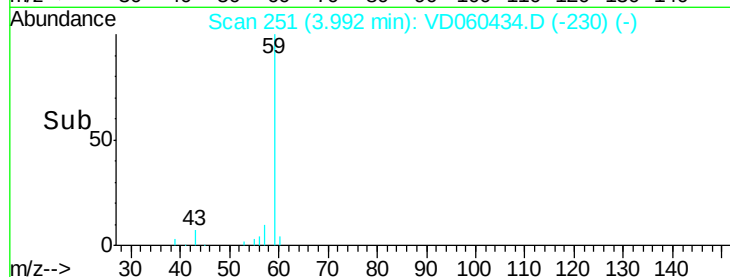
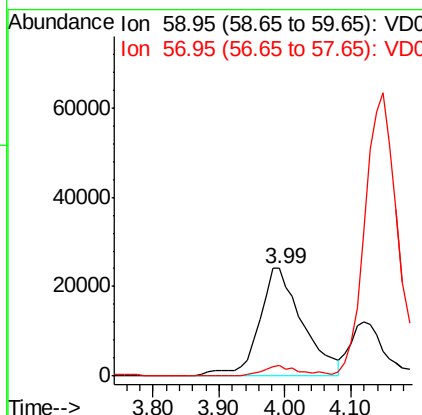
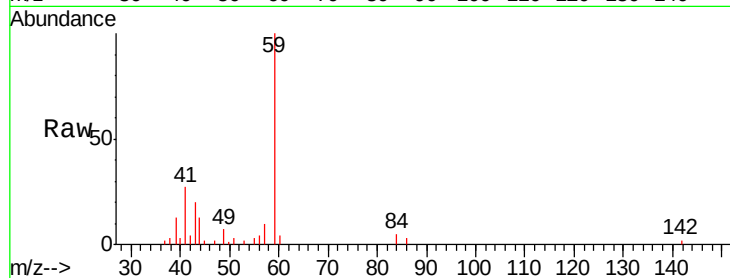


#11

Tert butyl alcohol
Concen: 254.86 ug/l
RT: 3.99 min Scan# 251
Delta R.T. 0.01 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

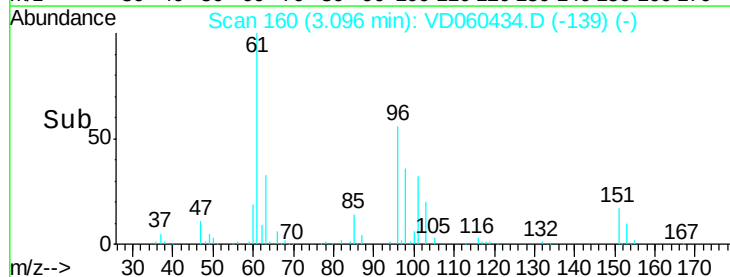
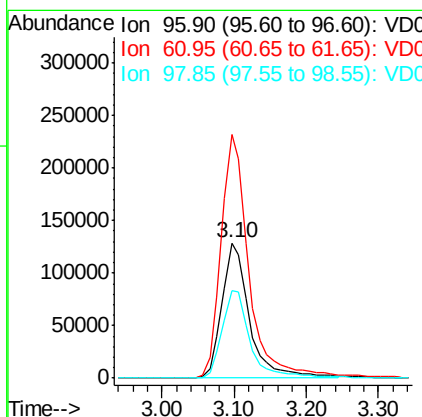
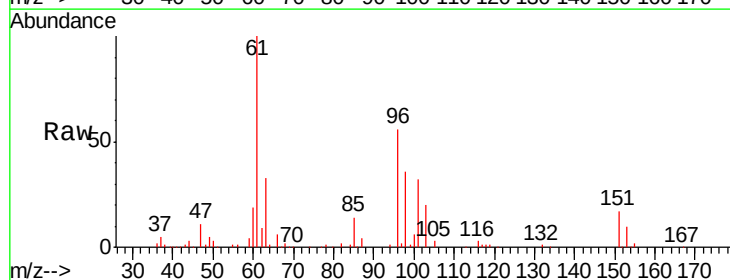
Tgt Ion: 59 Resp: 110764
Ion Ratio Lower Upper
59 100
57 10.0 9.3 13.9

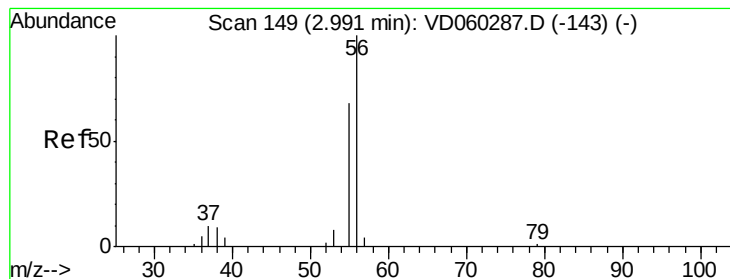


#12

1,1-Dichloroethene
Concen: 47.19 ug/l
RT: 3.10 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Tgt Ion: 96 Resp: 340366
Ion Ratio Lower Upper
96 100
61 180.2 142.2 213.4
98 64.3 52.6 79.0





#13

Acrolein

Concen: 191.24 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.02 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

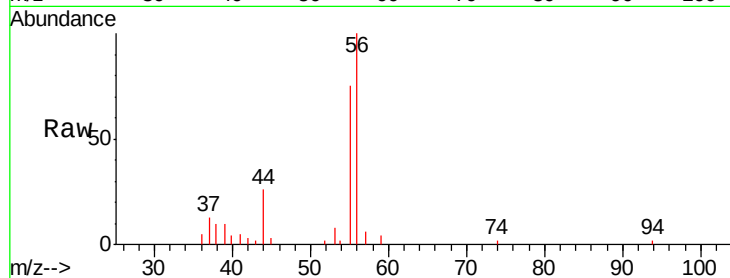
VSTDCCC050

Tgt Ion: 56 Resp: 98207

Ion Ratio Lower Upper

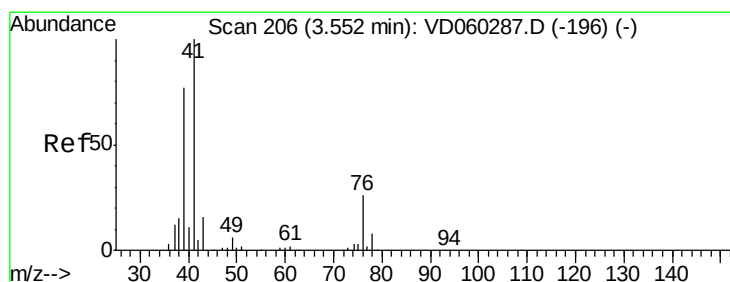
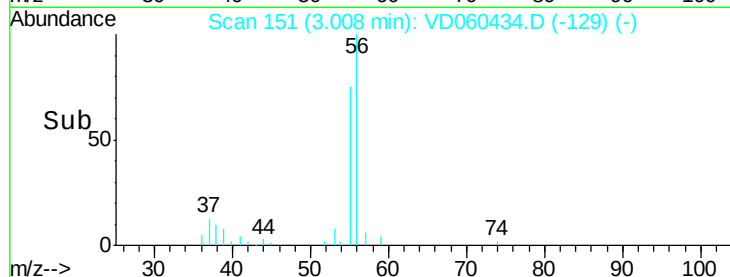
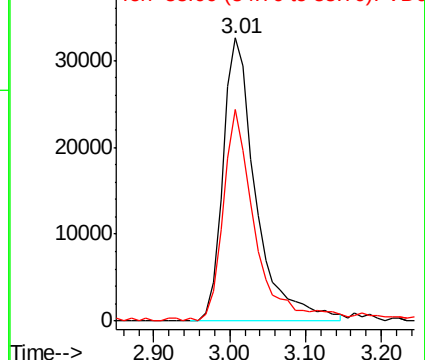
56 100

55 74.9 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.76 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

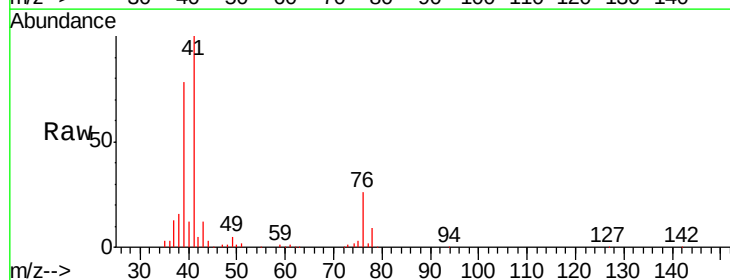
Tgt Ion: 41 Resp: 686726

Ion Ratio Lower Upper

41 100

39 78.3 60.4 90.6

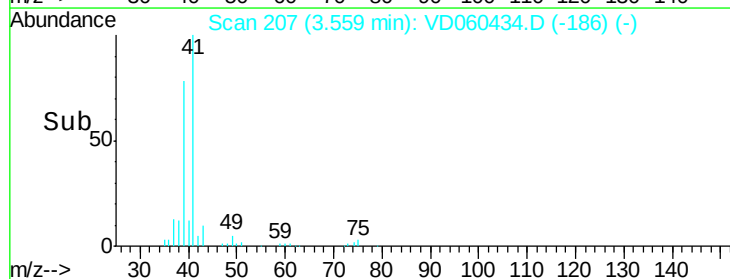
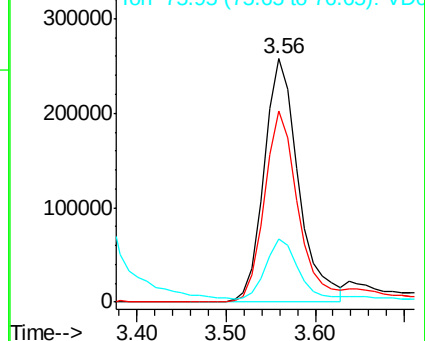
76 25.9 21.8 32.8

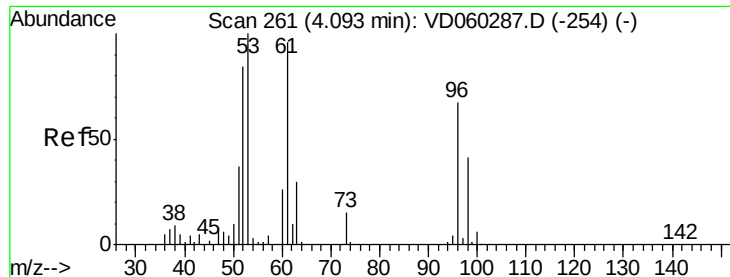


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 232.50 ug/l

RT: 4.11 min Scan# 263

Delta R.T. 0.02 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

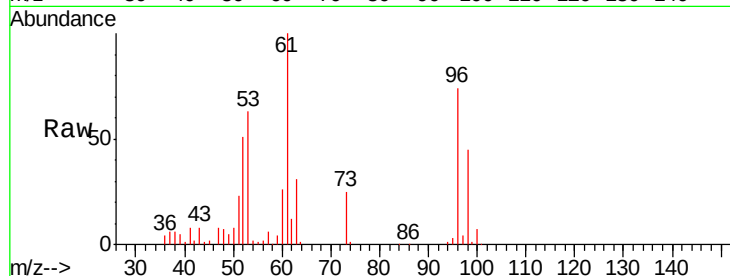
Tgt Ion: 53 Resp: 589242

Ion Ratio Lower Upper

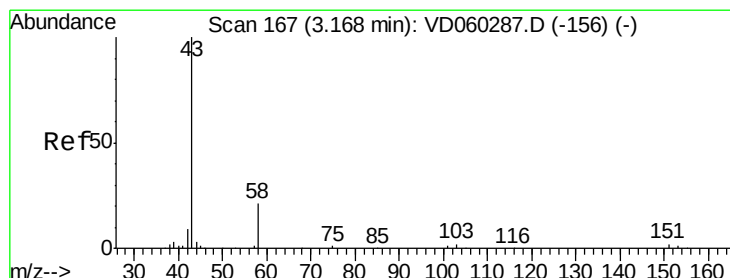
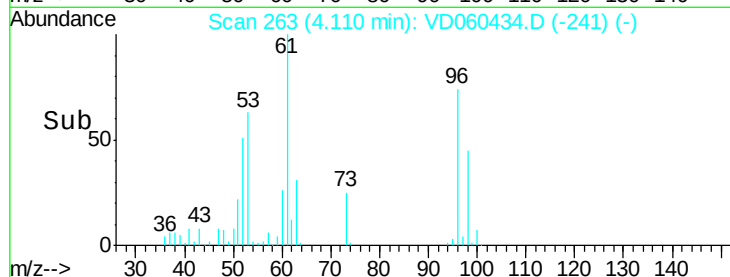
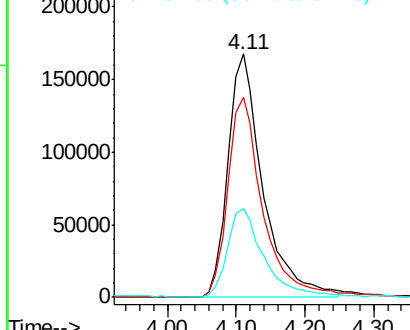
53 100

52 82.0 67.0 100.4

51 36.6 29.9 44.9



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



#16

Acetone

Concen: 243.50 ug/l

RT: 3.17 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060434.D

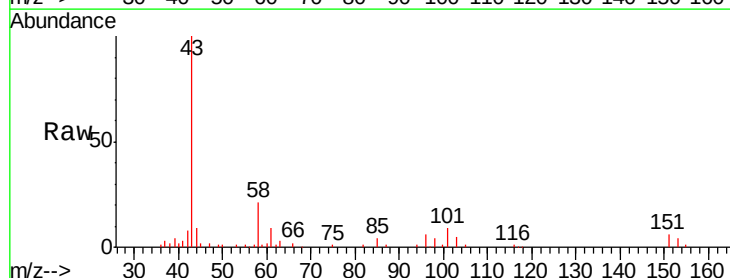
Acq: 21 Nov 2018 10:57

Tgt Ion: 43 Resp: 447028

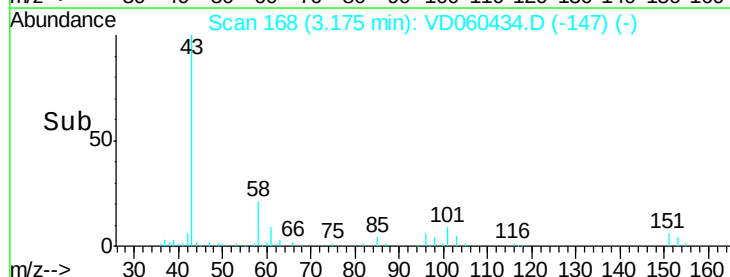
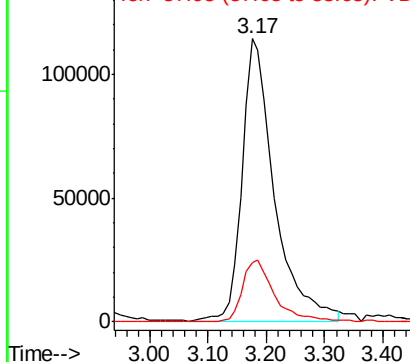
Ion Ratio Lower Upper

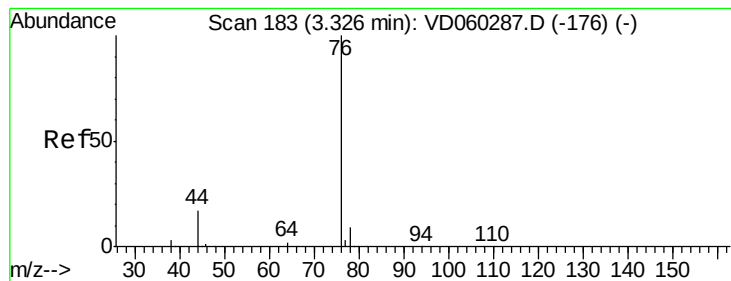
43 100

58 21.0 16.9 25.3



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





#17

Carbon Disulfide

Concen: 44.08 ug/l

RT: 3.34 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

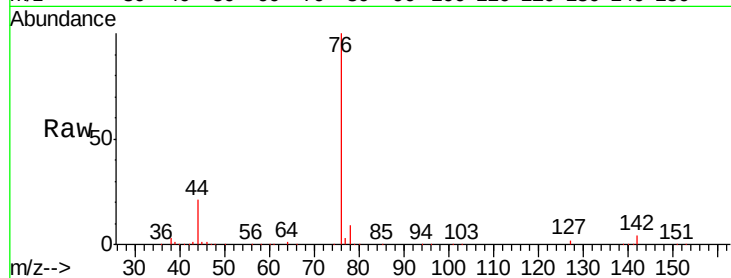
VSTDCCC050

Tgt Ion: 76 Resp: 1026204

Ion Ratio Lower Upper

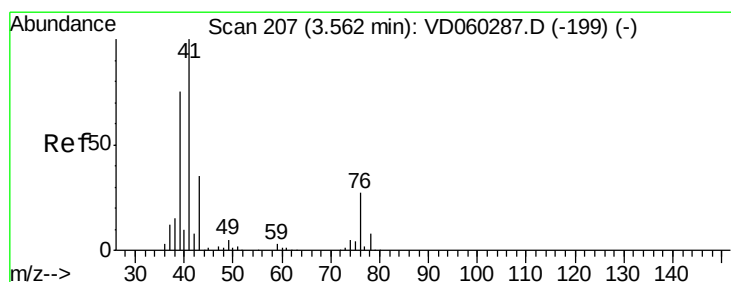
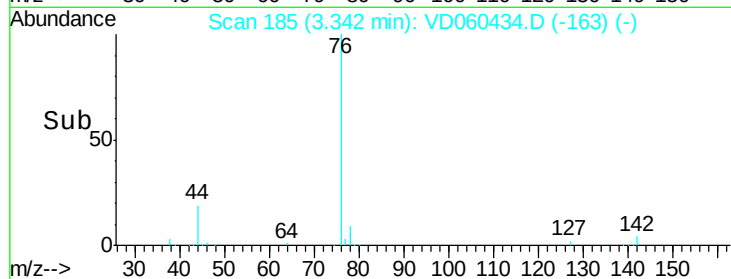
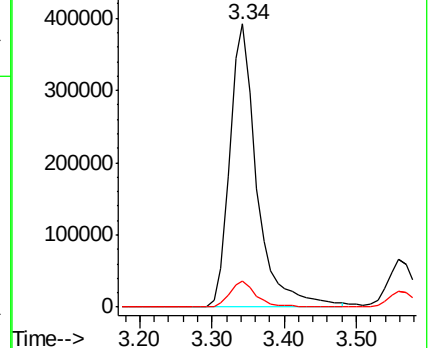
76 100

78 9.1 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 50.71 ug/l

RT: 3.58 min Scan# 209

Delta R.T. 0.02 min

Lab File: VD060434.D

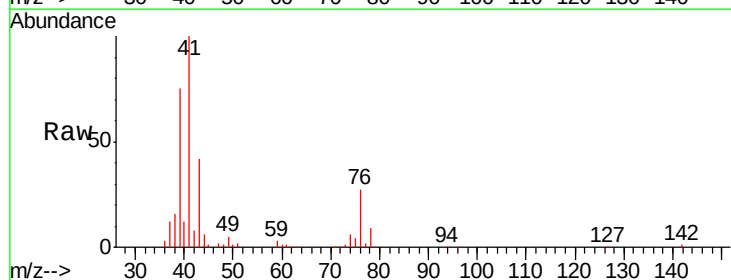
Acq: 21 Nov 2018 10:57

Tgt Ion: 43 Resp: 198489

Ion Ratio Lower Upper

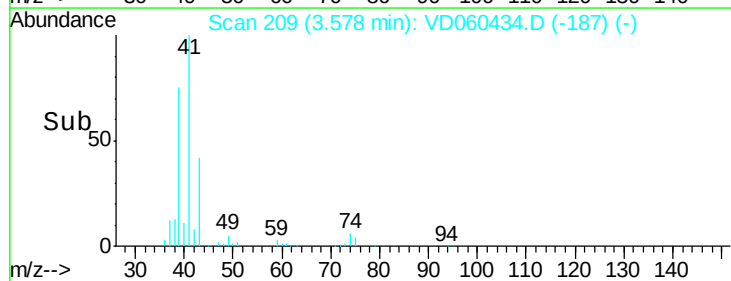
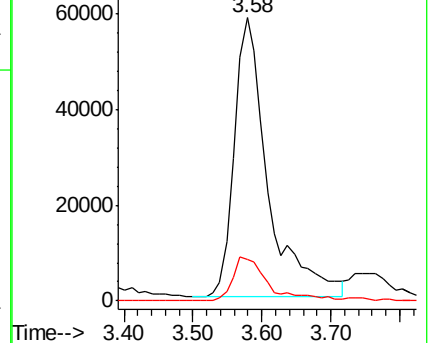
43 100

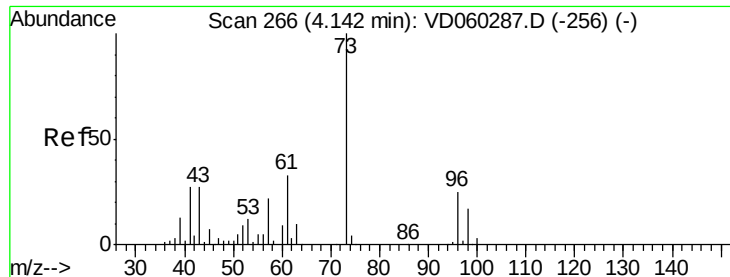
74 14.7 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

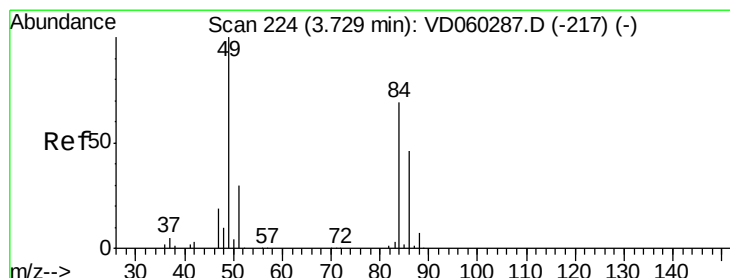
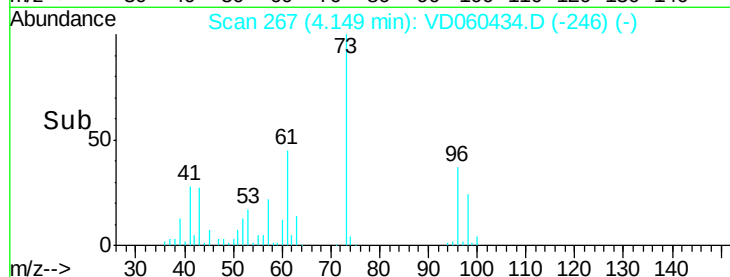
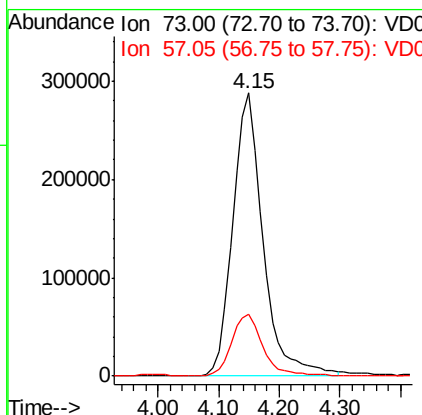
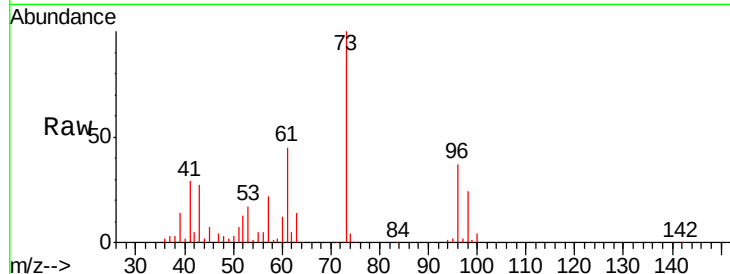




#19
Methyl tert-butyl Ether
Concen: 46.24 ug/l
RT: 4.15 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

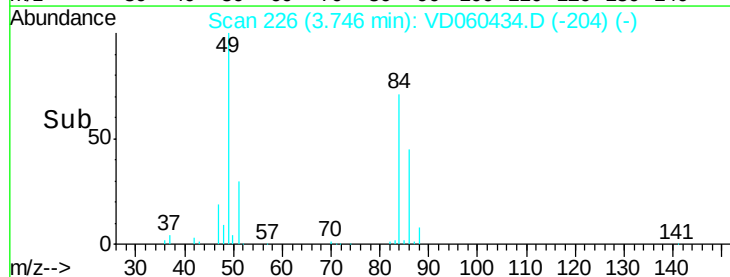
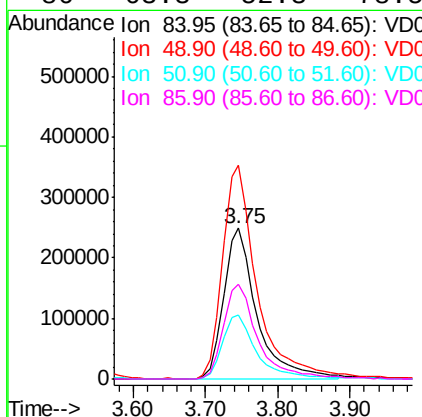
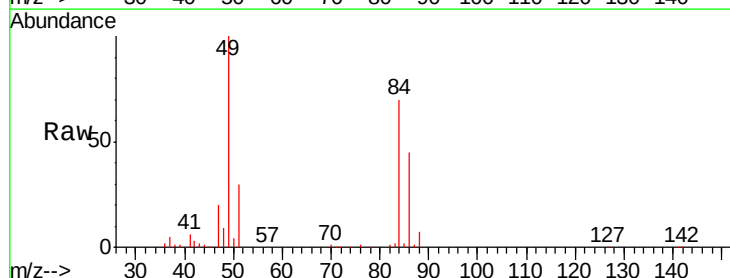
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

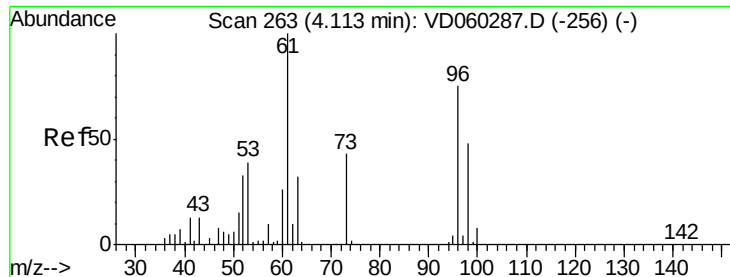
Tgt Ion: 73 Resp: 998579
Ion Ratio Lower Upper
73 100
57 22.0 18.1 27.1



#20
Methylene Chloride
Concen: 48.85 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Tgt Ion: 84 Resp: 795600
Ion Ratio Lower Upper
84 100
49 141.9 115.6 173.4
51 42.7 35.6 53.4
86 63.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 49.05 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.01 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

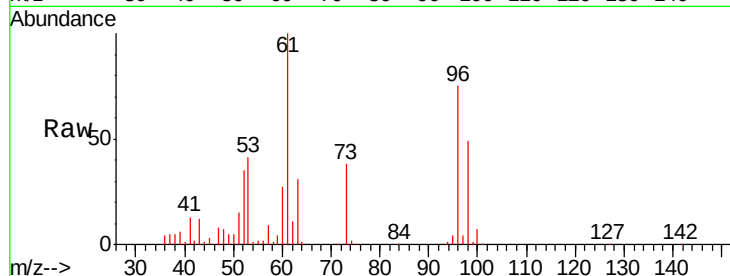
Tgt Ion: 96 Resp: 785446

Ion Ratio Lower Upper

96 100

61 132.7 105.8 158.6

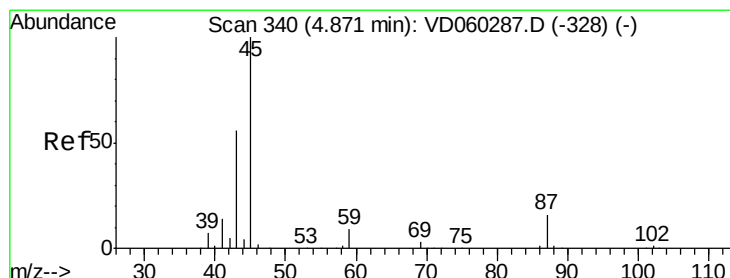
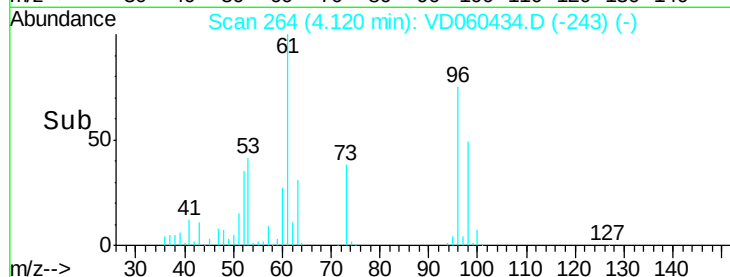
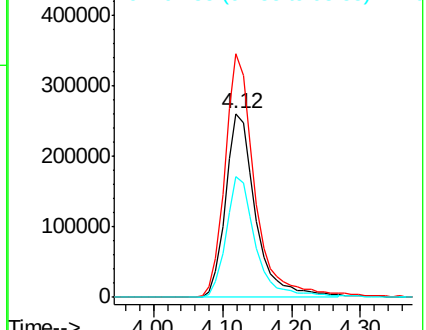
98 65.6 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 48.98 ug/l

RT: 4.88 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Tgt Ion: 45 Resp: 2525059

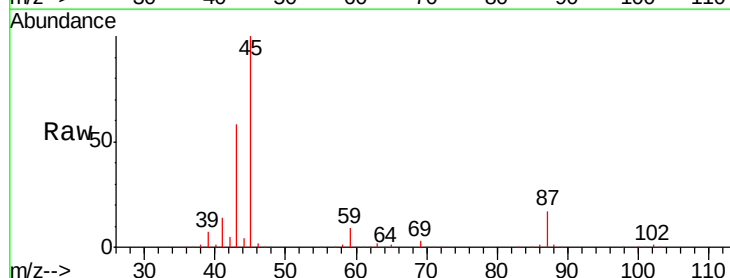
Ion Ratio Lower Upper

45 100

43 57.6 44.9 67.3

87 17.2 13.9 20.9

59 8.7 7.0 10.6

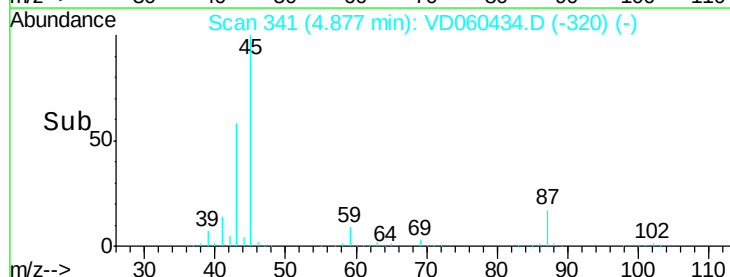
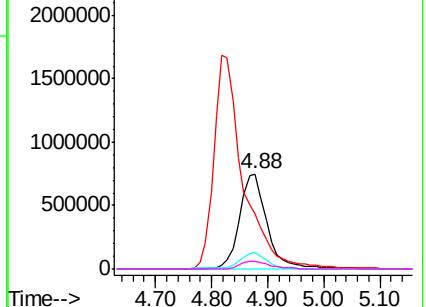


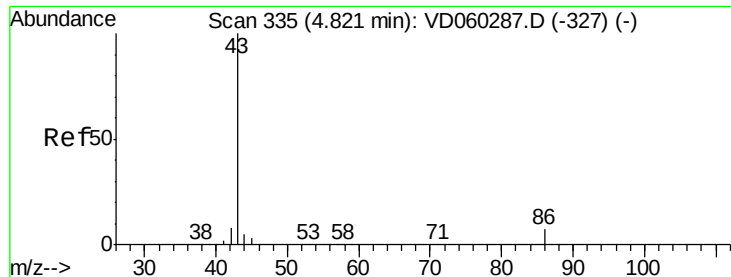
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

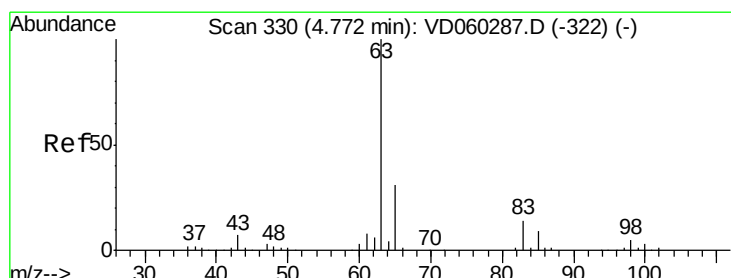
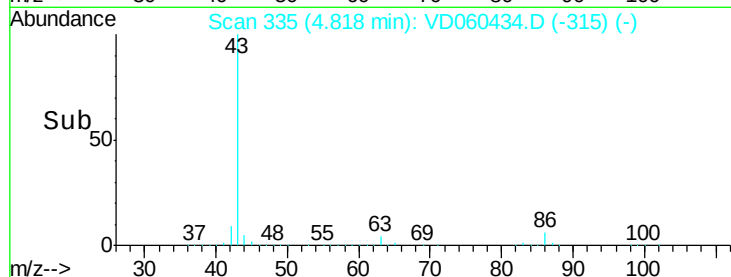
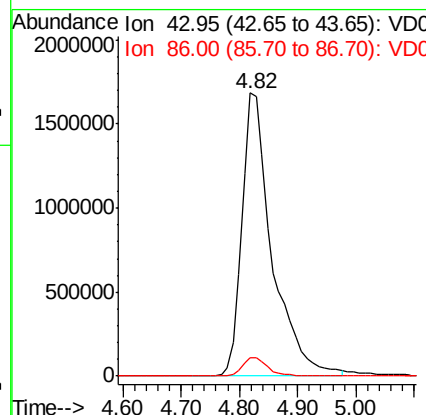
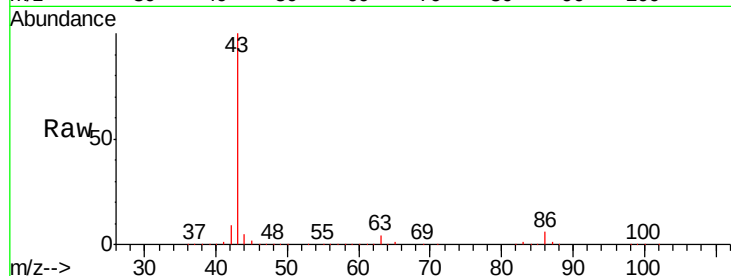




#23
 Vinyl Acetate
 Concen: 236.61 ug/l
 RT: 4.82 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

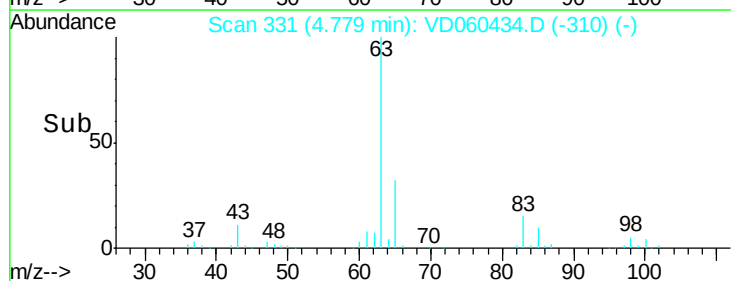
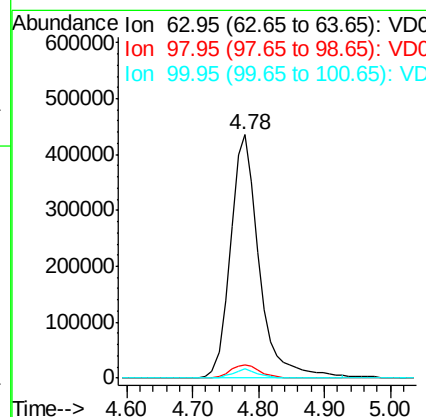
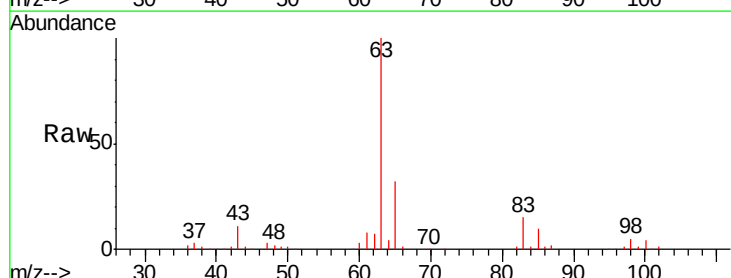
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

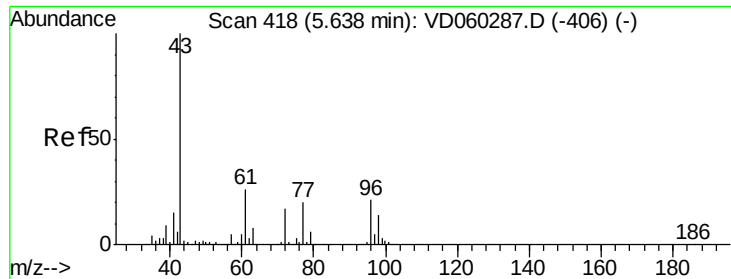
Tgt Ion: 43 Resp: 6069974
 Ion Ratio Lower Upper
 43 100
 86 6.5 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 50.18 ug/l
 RT: 4.78 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Tgt Ion: 63 Resp: 1326665
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.8 8.4
 100 3.8 1.8 5.5





#25

2-Butanone

Concen: 233.82 ug/l

RT: 5.64 min Scan# 418

Delta R.T. -0.00 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

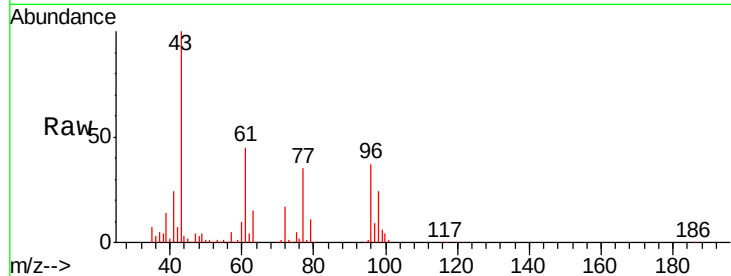
VSTDCCC050

Tgt Ion: 43 Resp: 892239

Ion Ratio Lower Upper

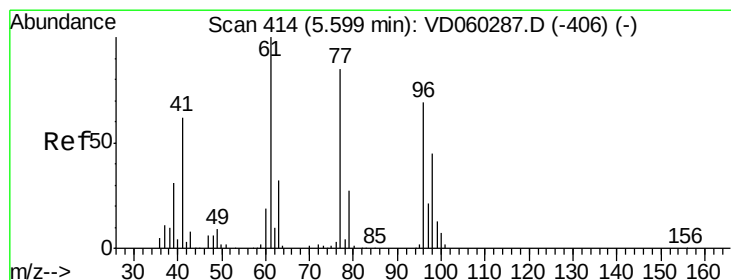
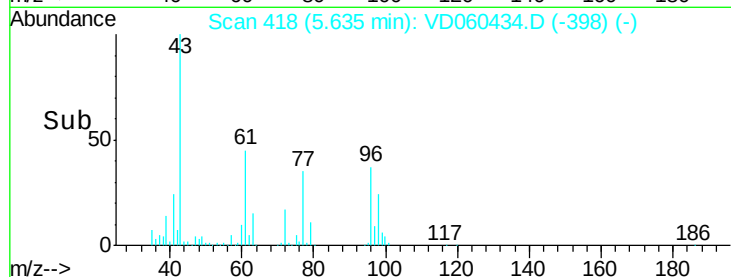
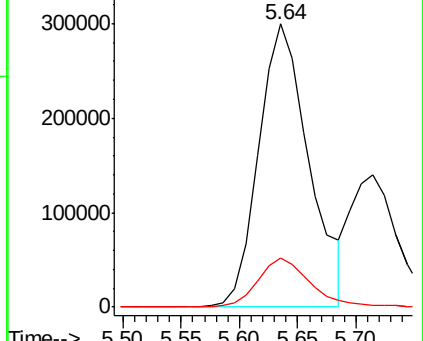
43 100

72 17.3 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.92 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060434.D

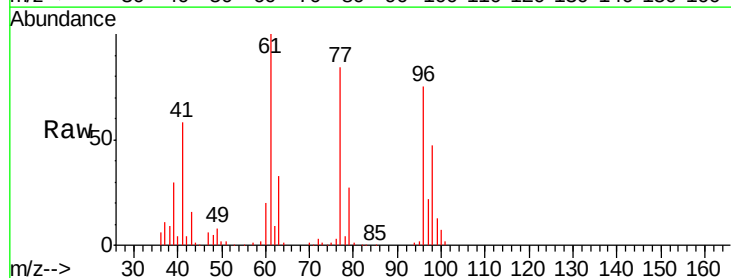
Acq: 21 Nov 2018 10:57

Tgt Ion: 77 Resp: 1087808

Ion Ratio Lower Upper

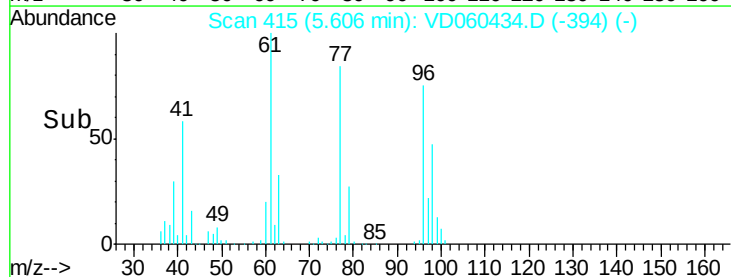
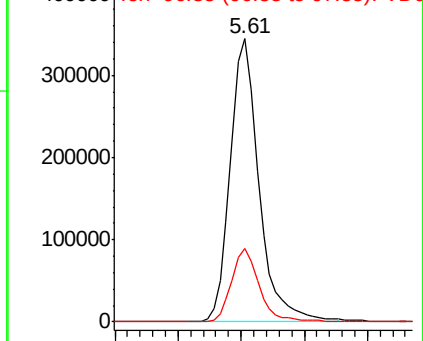
77 100

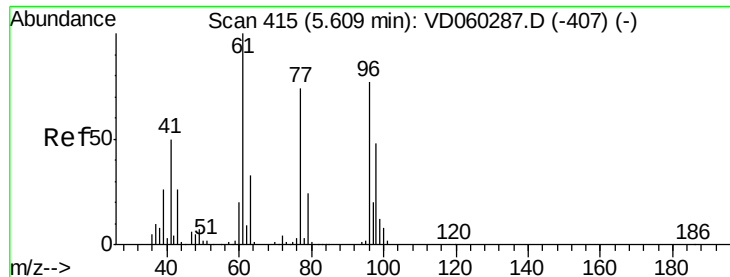
97 25.8 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 50.92 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.00 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

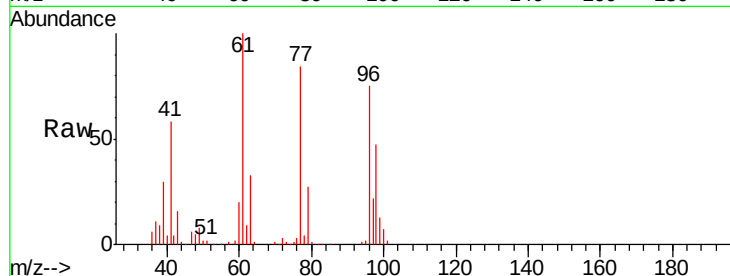
Tgt Ion: 96 Resp: 849525

Ion Ratio Lower Upper

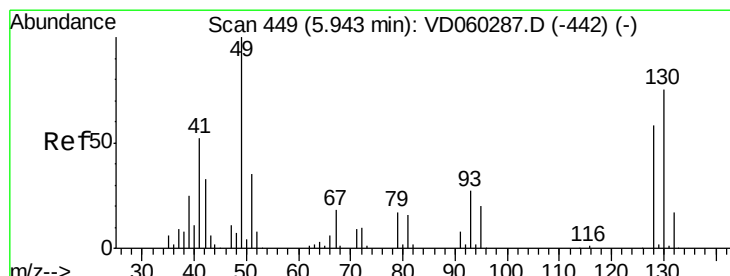
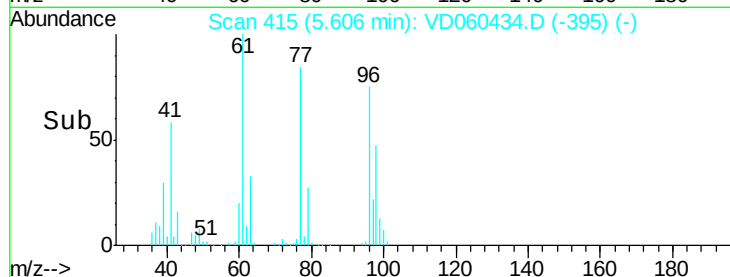
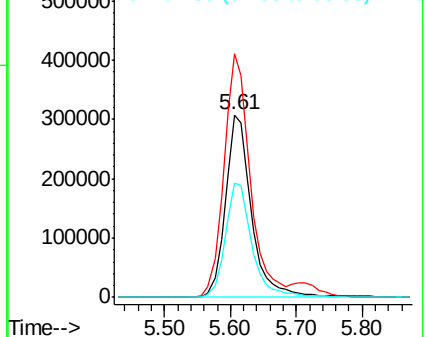
96 100

61 133.4 0.0 259.0

98 62.7 0.0 128.8



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



#28

Bromochloromethane

Concen: 51.97 ug/l

RT: 5.94 min Scan# 449

Delta R.T. -0.00 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

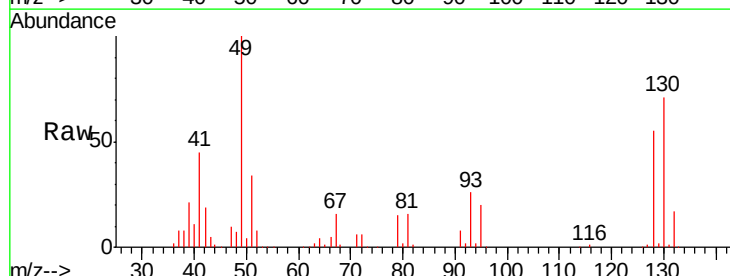
Tgt Ion: 49 Resp: 606222

Ion Ratio Lower Upper

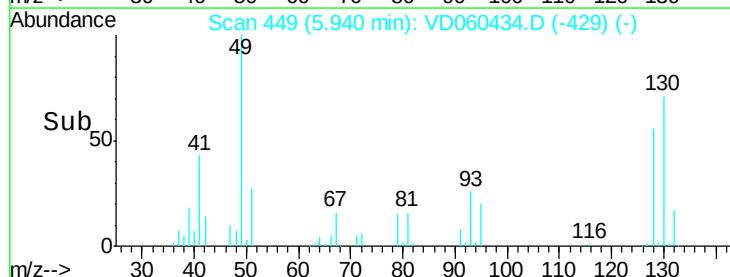
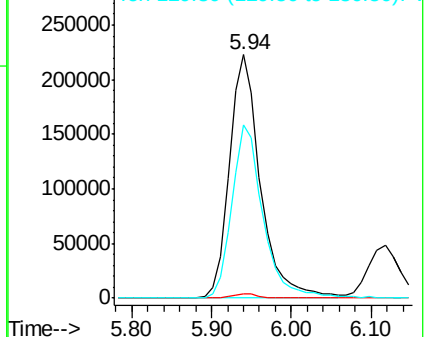
49 100

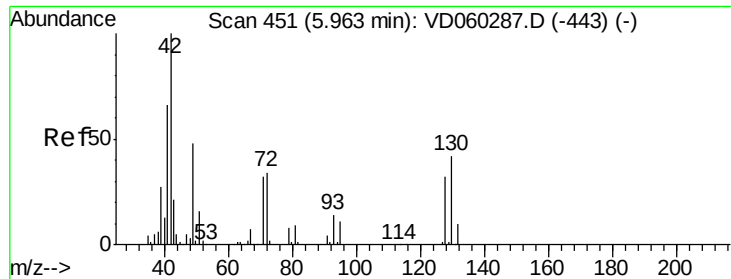
129 1.9 0.0 2.8

130 71.2 53.6 80.4



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

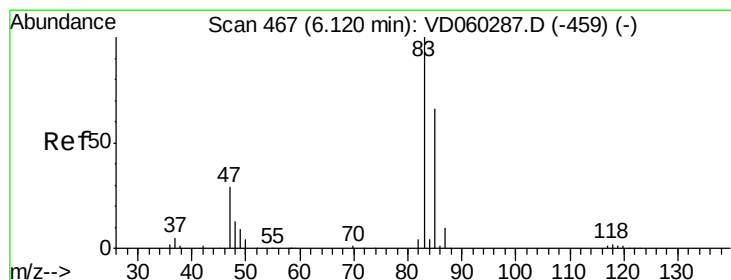
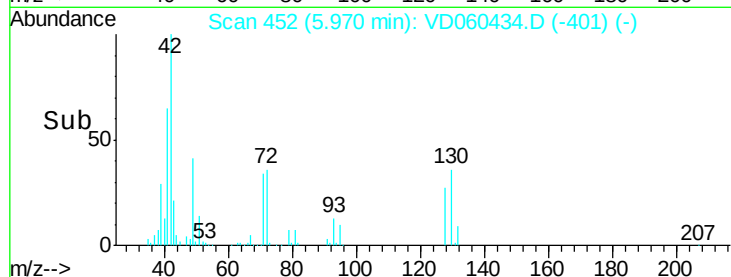
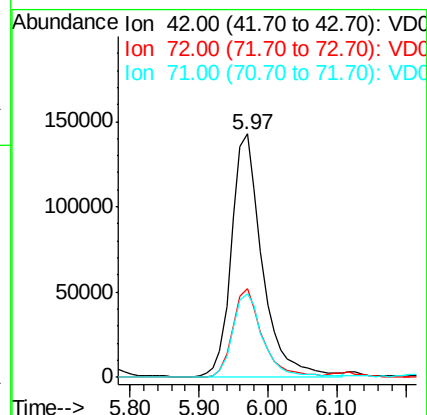
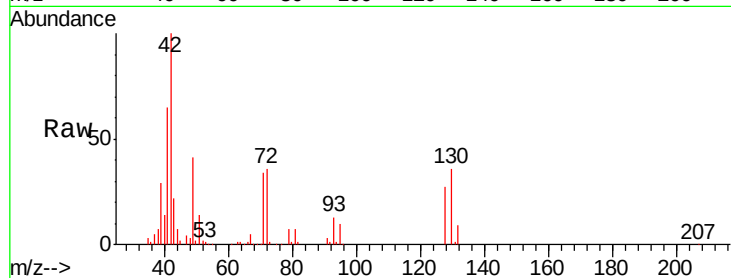




#29
Tetrahydrofuran
Concen: 220.91 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.01 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

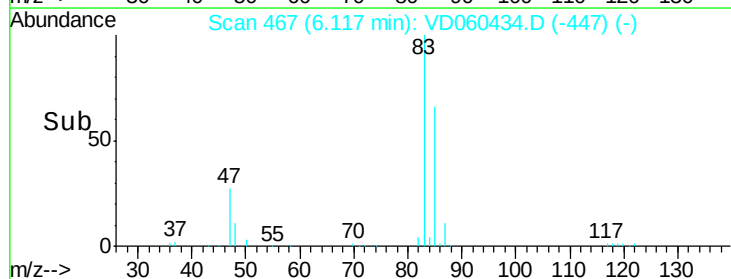
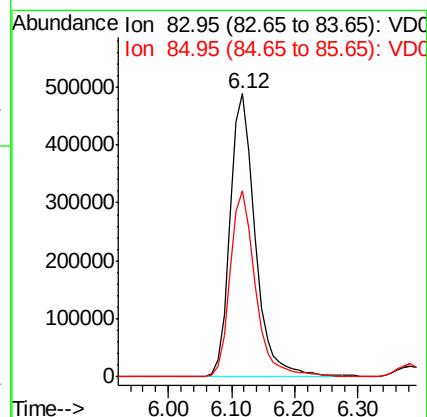
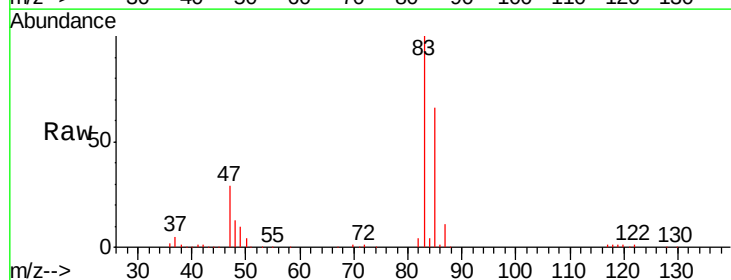
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

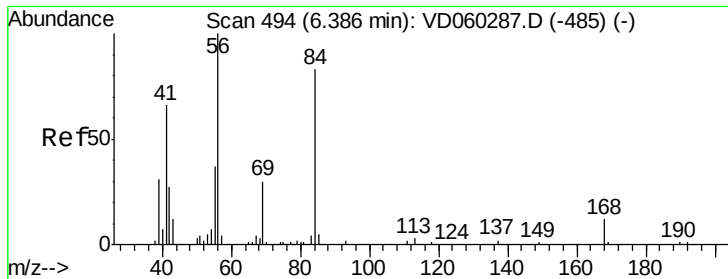
Tgt Ion: 42 Resp: 444436
Ion Ratio Lower Upper
42 100
72 34.8 27.6 41.4
71 33.6 26.5 39.7



#30
Chloroform
Concen: 50.97 ug/l
RT: 6.12 min Scan# 467
Delta R.T. -0.00 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Tgt Ion: 83 Resp: 1347199
Ion Ratio Lower Upper
83 100
85 65.9 52.5 78.7





#31

Cyclohexane

Concen: 44.46 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

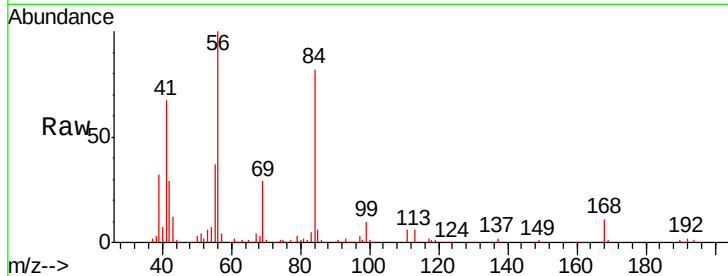
Tgt Ion: 56 Resp: 1123589

Ion Ratio Lower Upper

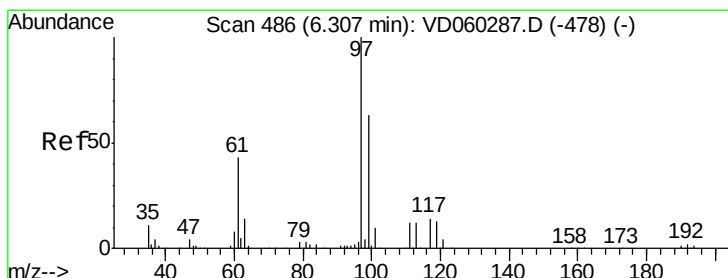
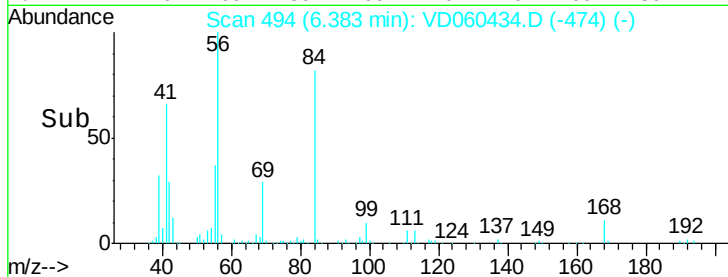
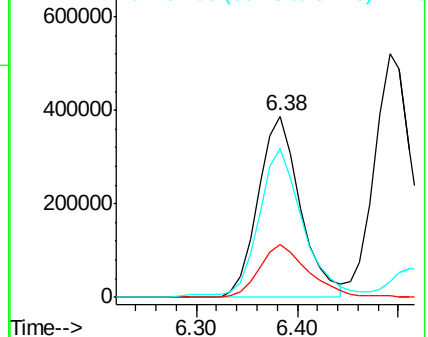
56 100

69 29.0 22.2 33.2

84 82.1 63.0 94.4



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



#32

1,1,1-Trichloroethane

Concen: 51.22 ug/l

RT: 6.30 min Scan# 486

Delta R.T. -0.00 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

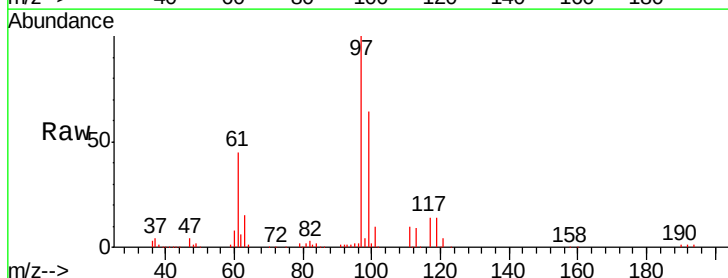
Tgt Ion: 97 Resp: 1140369

Ion Ratio Lower Upper

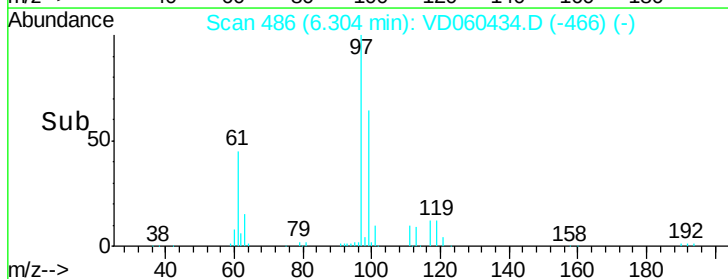
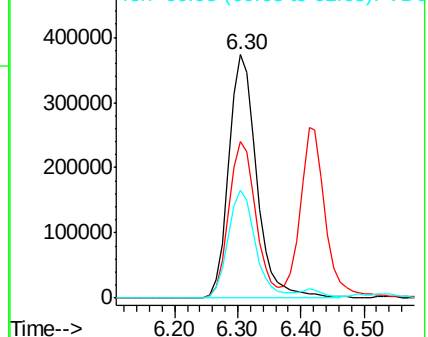
97 100

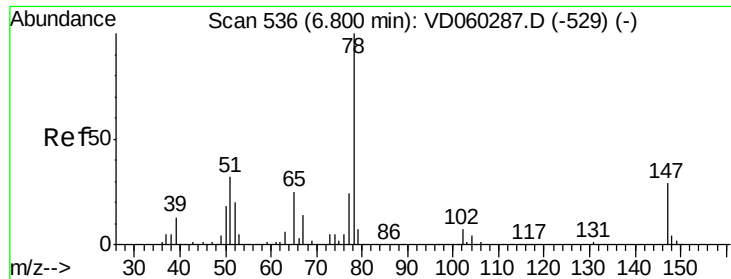
99 64.3 51.5 77.3

61 44.6 35.8 53.8



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

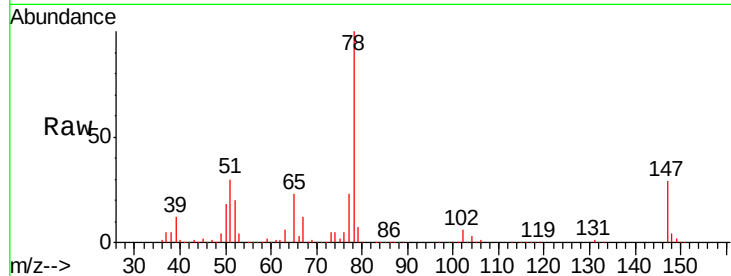




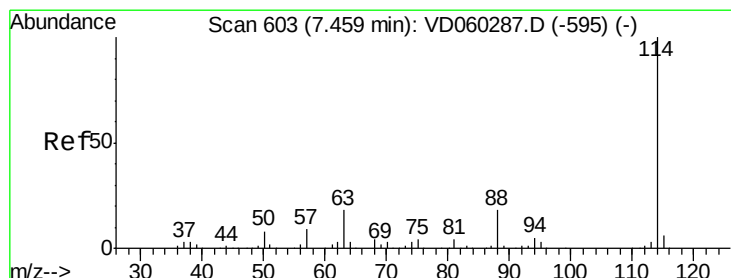
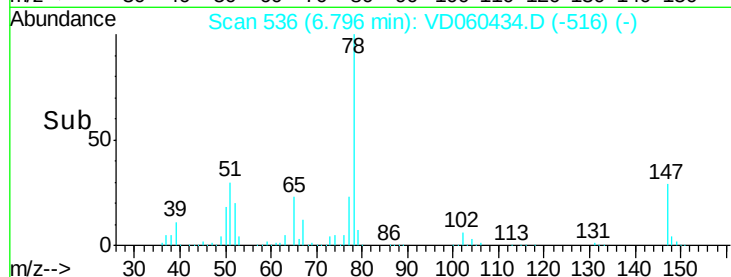
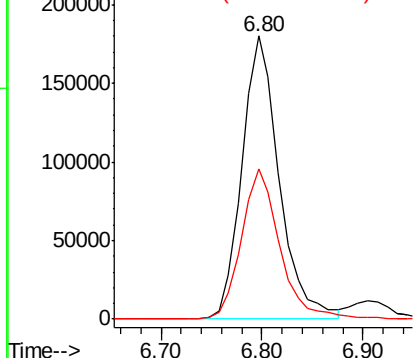
#33
 1,2-Dichloroethane-d4
 Concen: 51.22 ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 464278
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 109.8

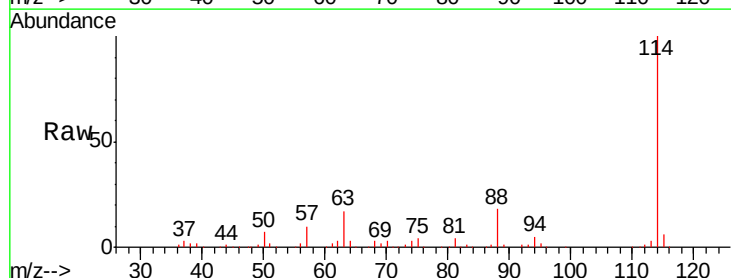


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

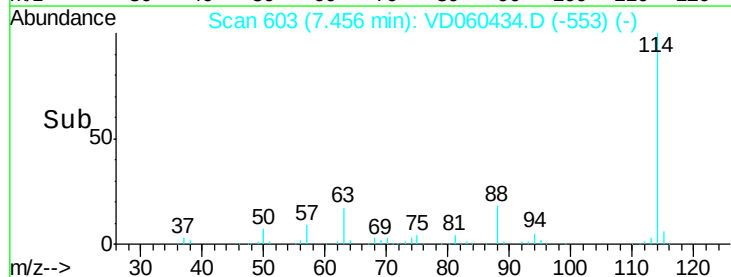
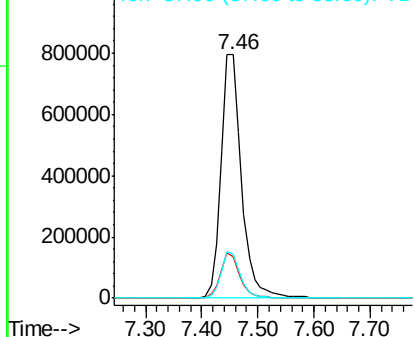


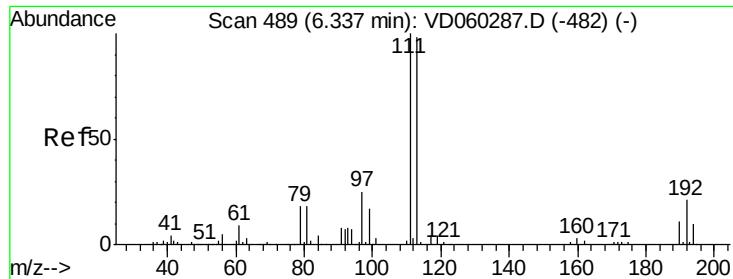
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Tgt Ion: 114 Resp: 2028033
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 34.0
 88 18.3 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

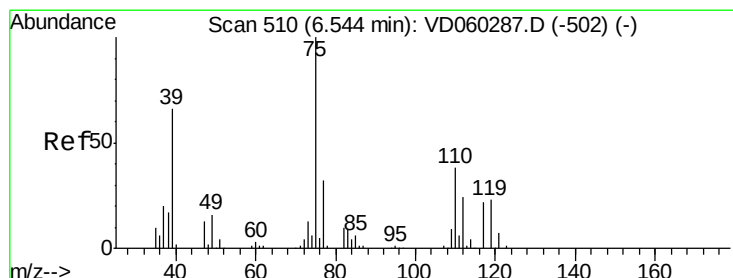
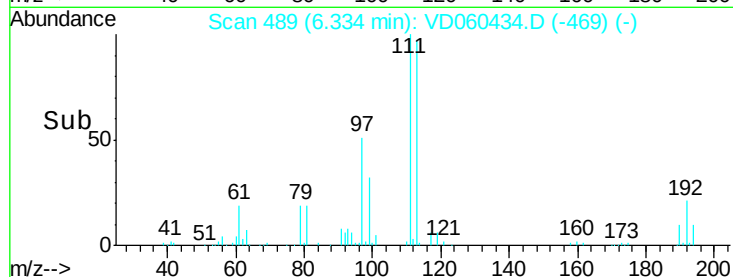
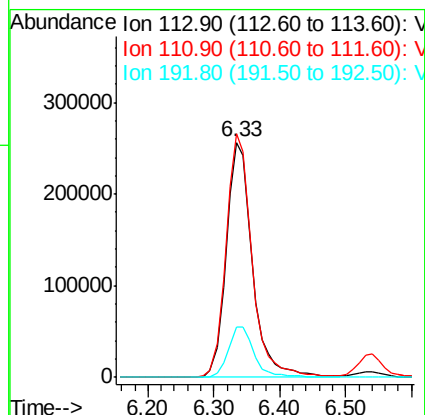
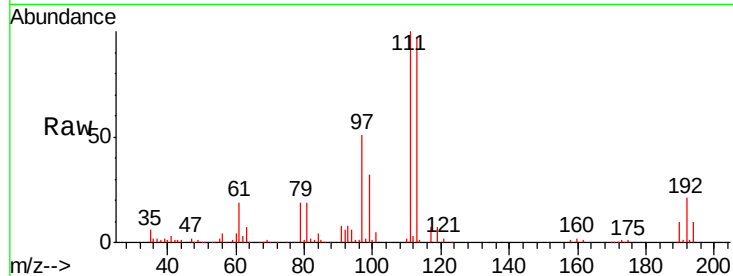




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.33 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

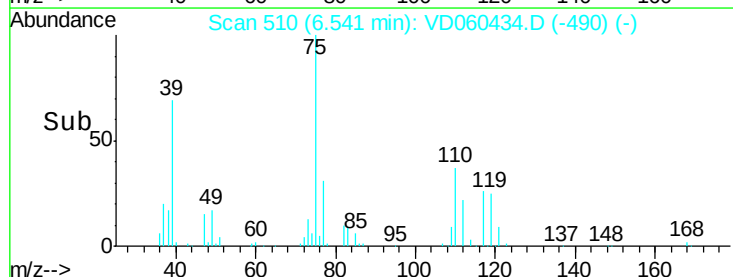
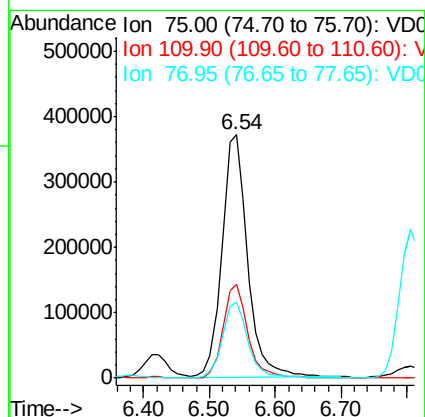
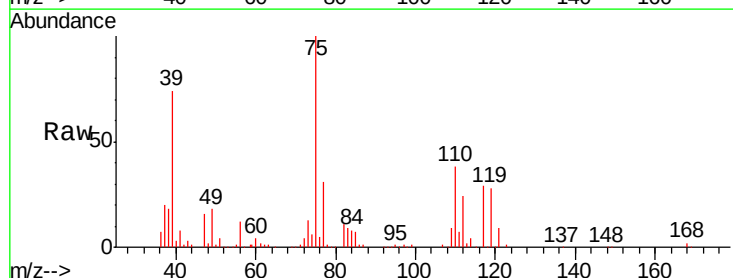
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

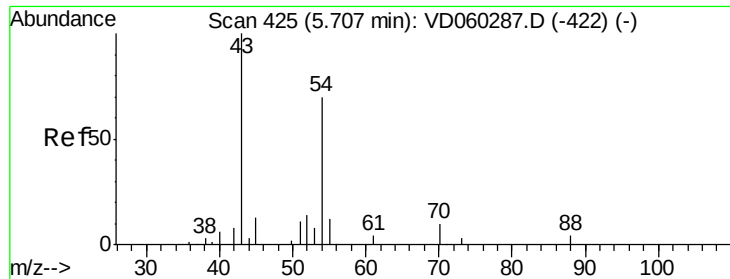
Tgt Ion:113 Resp: 713946
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.6 122.4
 192 21.3 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 50.07 ug/l
 RT: 6.54 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Tgt Ion: 75 Resp: 1003159
 Ion Ratio Lower Upper
 75 100
 110 38.3 18.0 54.0
 77 31.1 25.6 38.4

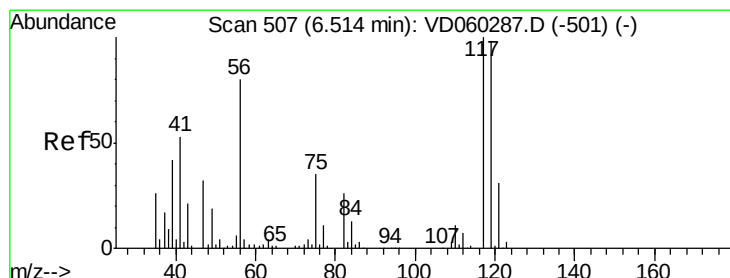
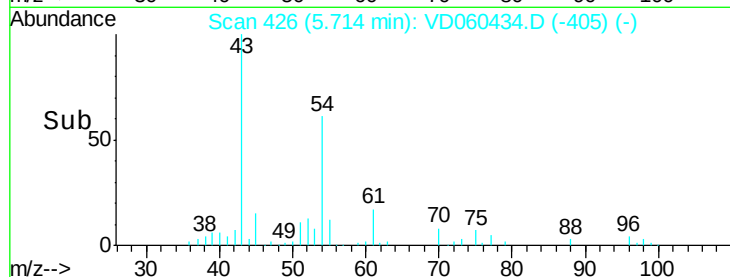
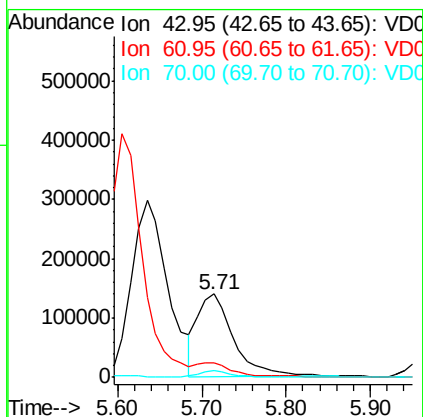
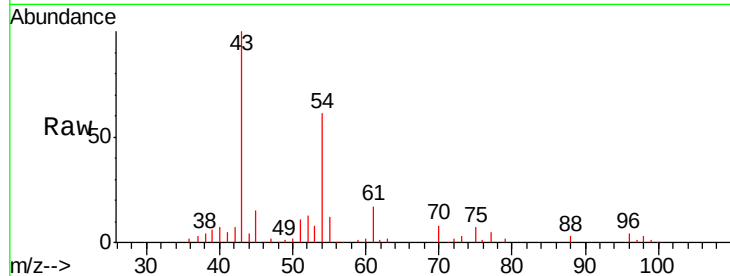




#37
Ethyl Acetate
Concen: 44.00 ug/l
RT: 5.71 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

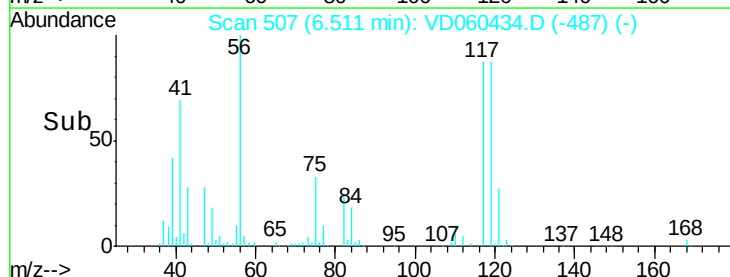
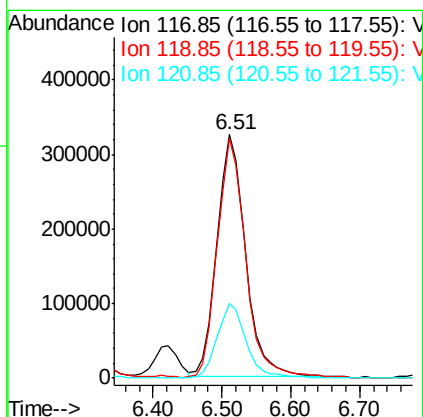
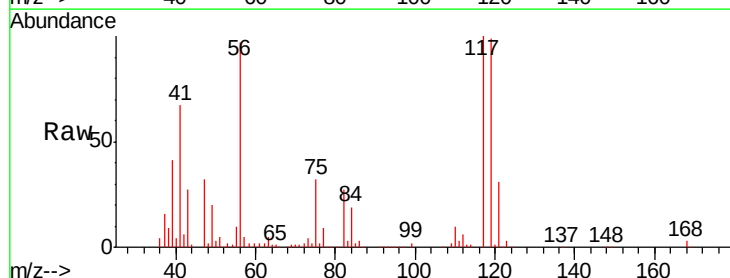
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

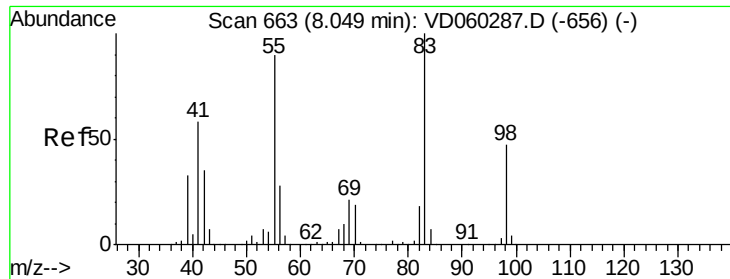
Tgt Ion: 43 Resp: 405628
Ion Ratio Lower Upper
43 100
61 17.3 11.8 17.6
70 7.8 6.2 9.4



#38
Carbon Tetrachloride
Concen: 50.35 ug/l
RT: 6.51 min Scan# 507
Delta R.T. -0.00 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Tgt Ion: 117 Resp: 935756
Ion Ratio Lower Upper
117 100
119 98.5 76.6 115.0
121 30.5 24.3 36.5

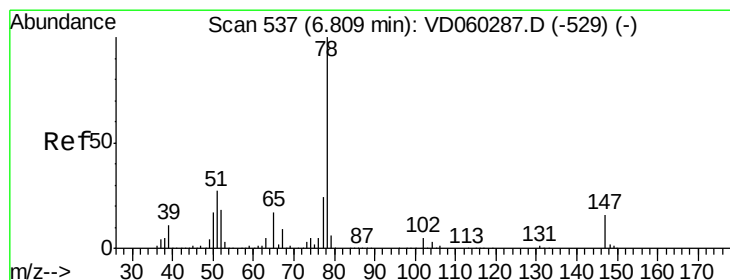
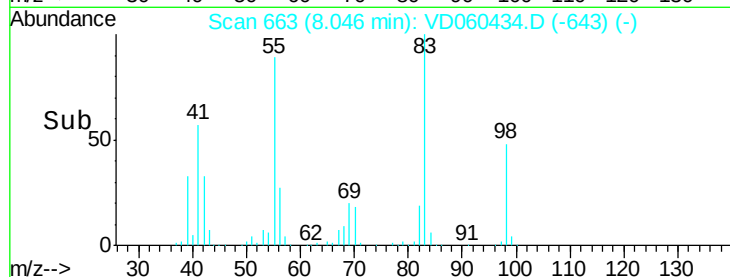
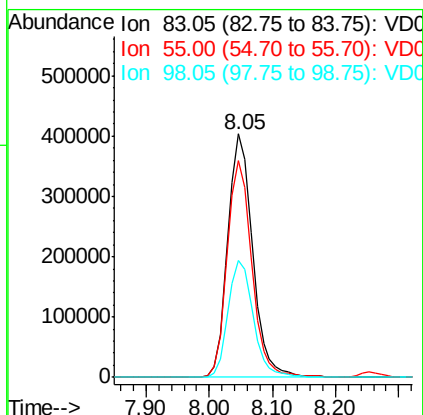
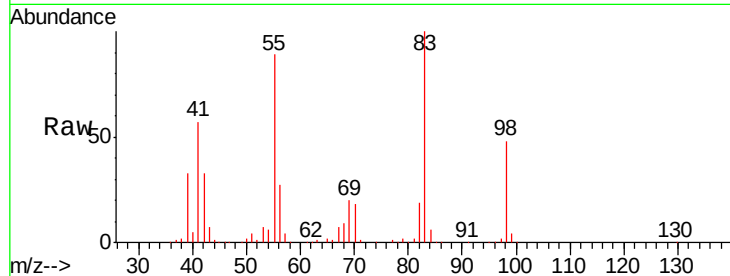




#39
Methylcyclohexane
Concen: 47.84 ug/l
RT: 8.05 min Scan# 663
Delta R.T. -0.00 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

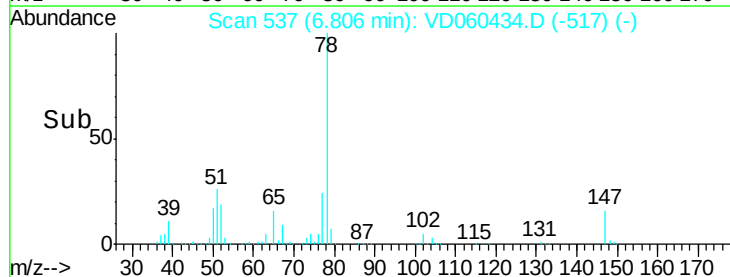
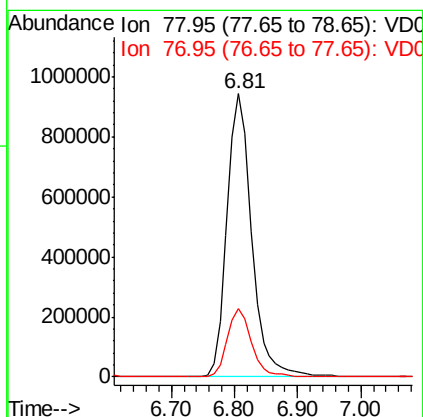
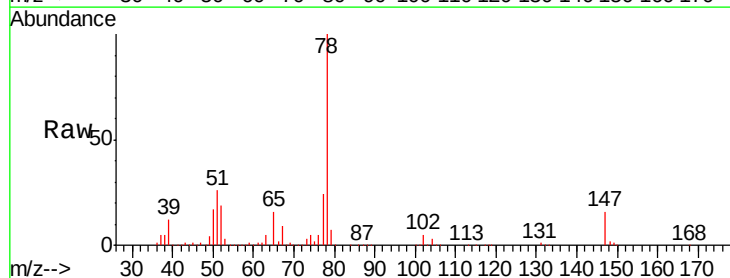
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

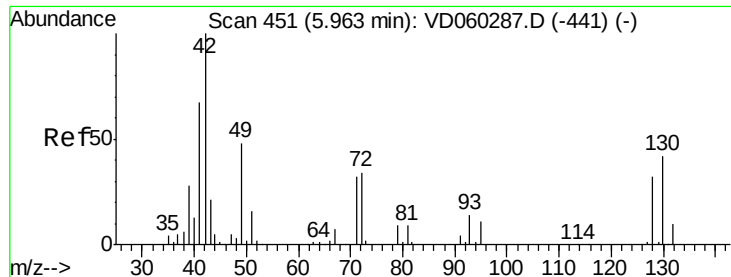
Tgt Ion: 83 Resp: 1102471
Ion Ratio Lower Upper
83 100
55 89.2 71.2 106.8
98 48.0 38.4 57.6



#40
Benzene
Concen: 50.08 ug/l
RT: 6.81 min Scan# 537
Delta R.T. -0.00 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Tgt Ion: 78 Resp: 2561567
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

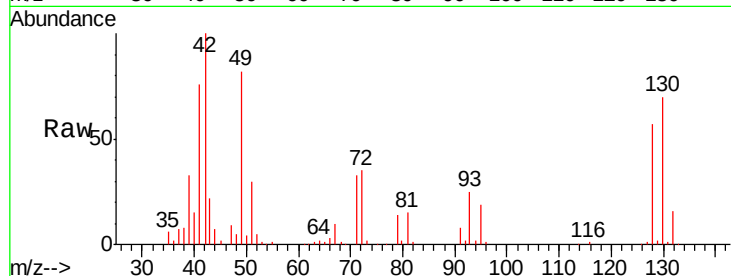




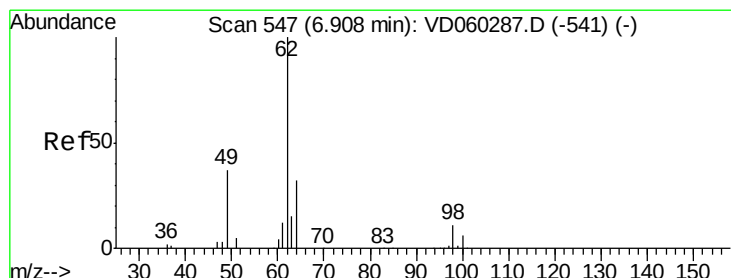
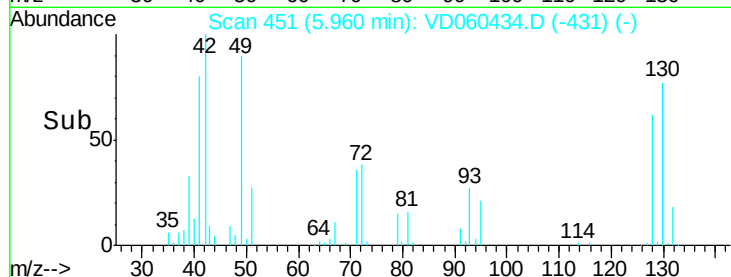
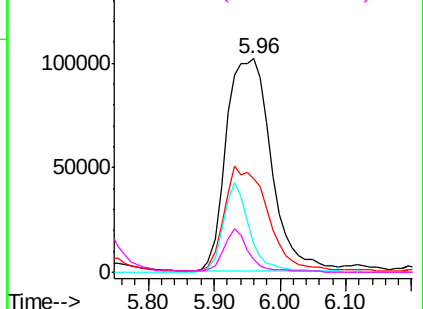
#41
Methacrylonitrile
Concen: 46.08 ug/l
RT: 5.96 min Scan# 451
Delta R.T. -0.00 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	486213
Ion	Ratio	Lower	Upper
41	100		
39	43.8	36.2	54.2
67	12.9	11.9	17.9
52	6.0	5.2	7.8

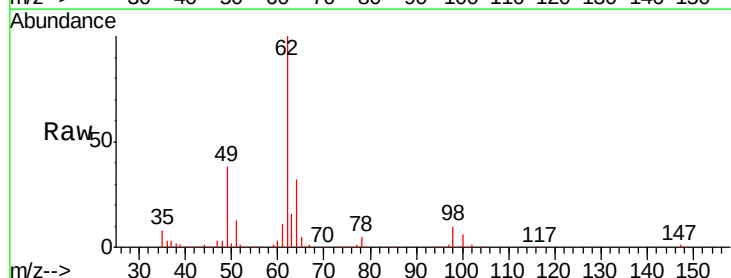


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

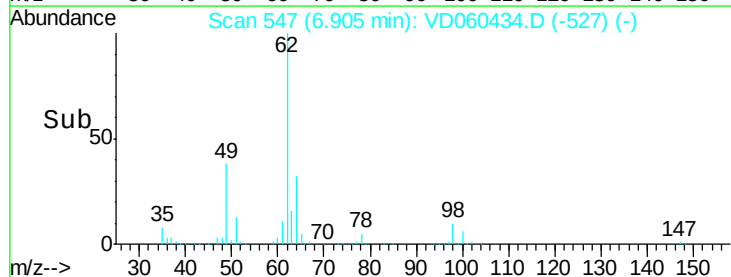
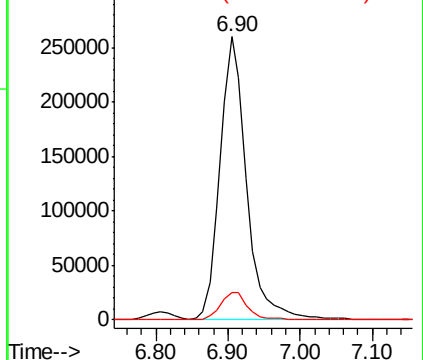


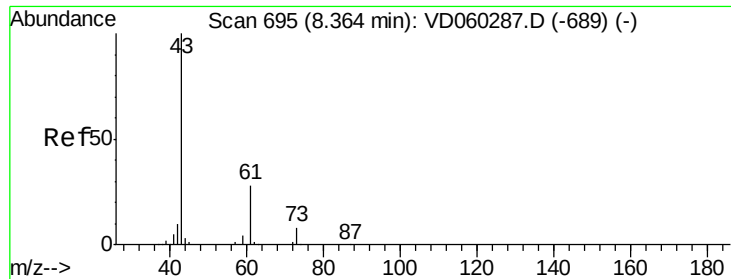
#42
1,2-Dichloroethane
Concen: 48.83 ug/l
RT: 6.90 min Scan# 547
Delta R.T. -0.00 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Tgt Ion:	62	Resp:	653613
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	22.0



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





#43

Isopropyl Acetate

Concen: 47.98 ug/l

RT: 8.35 min Scan# 694

Delta R.T. -0.01 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

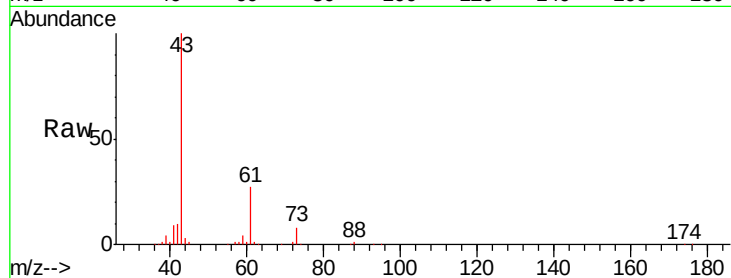
Tgt Ion: 43 Resp: 555650

Ion Ratio Lower Upper

43 100

61 27.0 22.3 33.5

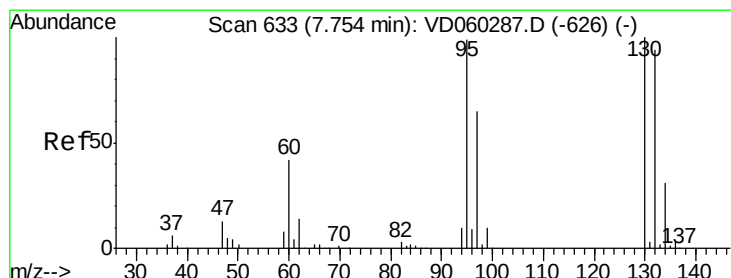
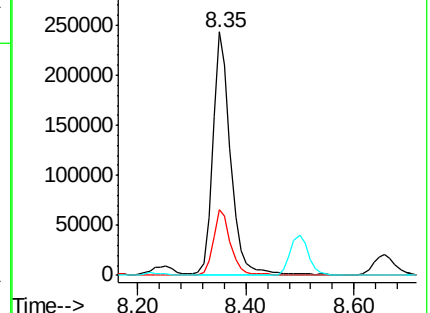
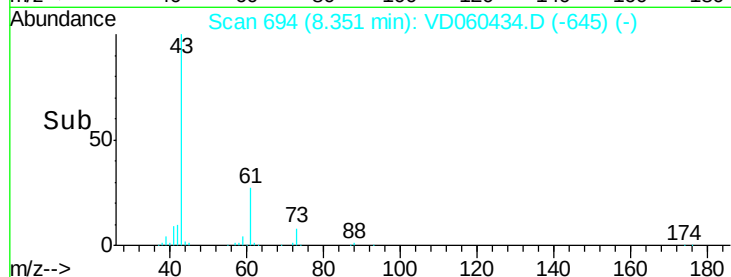
87 0.2 0.2 0.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.84 ug/l

RT: 7.75 min Scan# 633

Delta R.T. -0.00 min

Lab File: VD060434.D

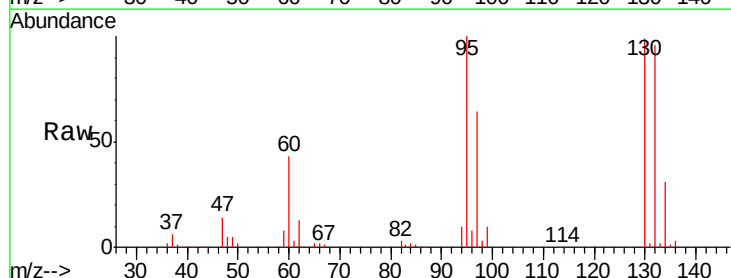
Acq: 21 Nov 2018 10:57

Tgt Ion: 130 Resp: 819251

Ion Ratio Lower Upper

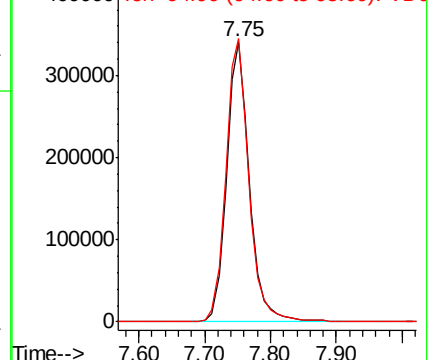
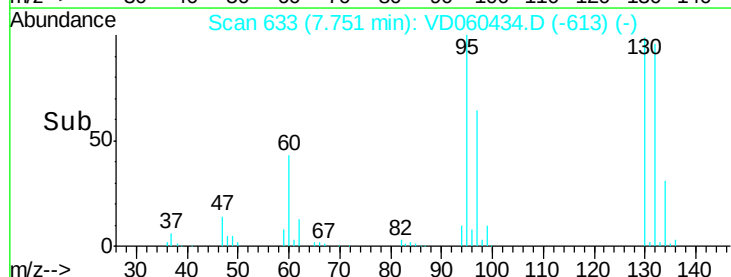
130 100

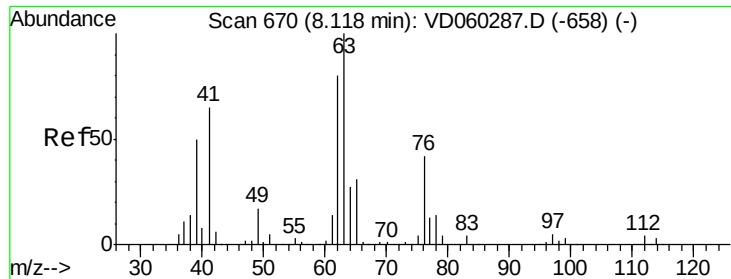
95 101.1 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

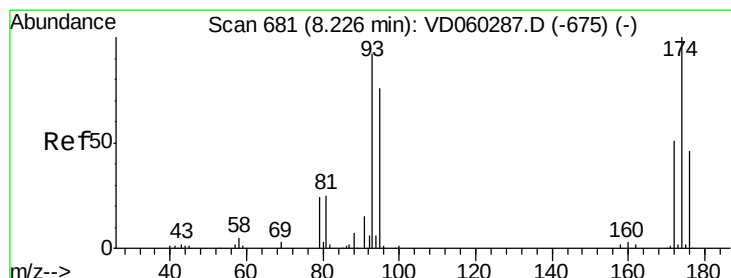
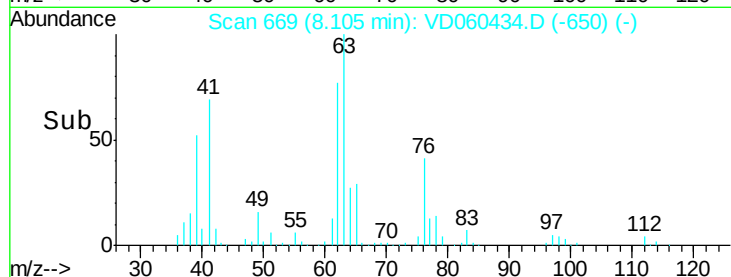
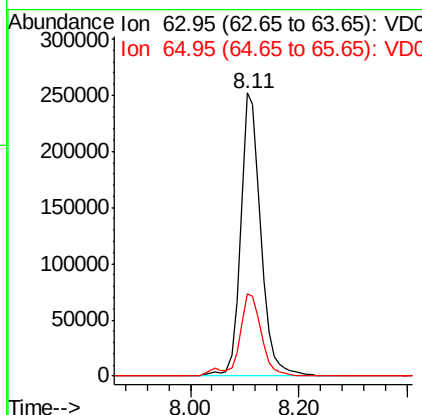
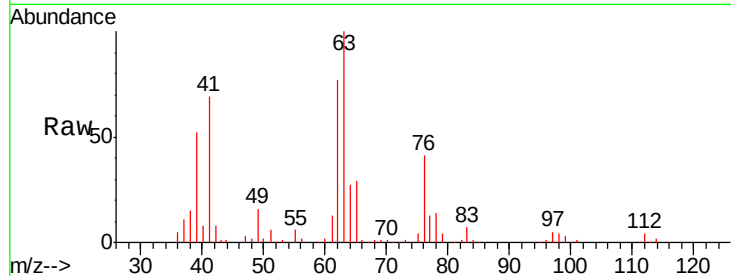




#45
 1,2-Dichloropropane
 Concen: 50.59 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

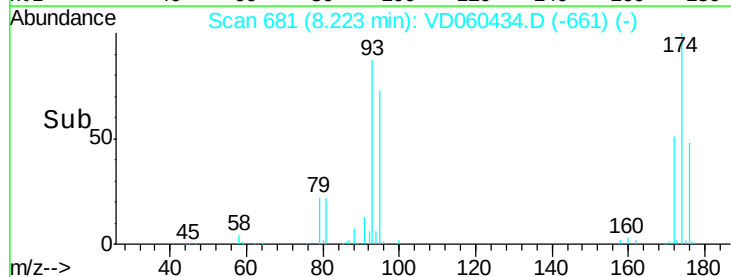
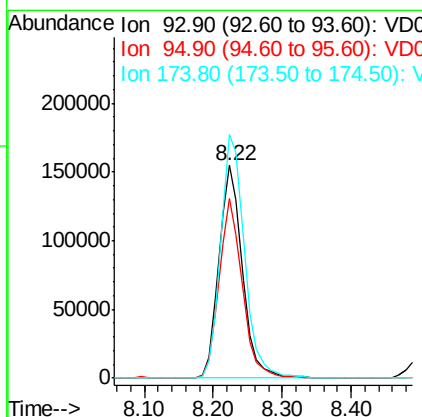
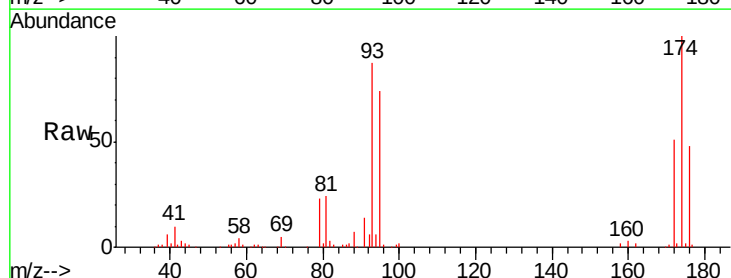
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

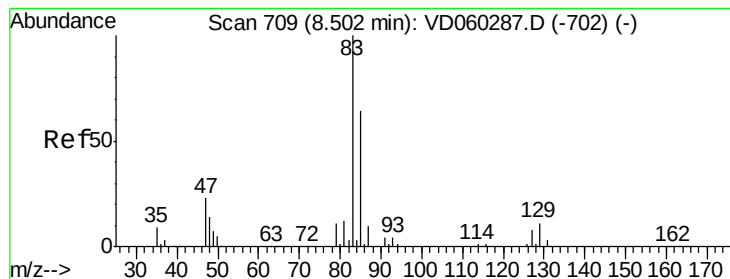
Tgt Ion: 63 Resp: 652535
 Ion Ratio Lower Upper
 63 100
 65 29.3 23.4 35.2



#46
 Dibromomethane
 Concen: 48.19 ug/l
 RT: 8.22 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Tgt Ion: 93 Resp: 364042
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.4 99.6
 174 114.7 87.8 131.8





#47

Bromodichloromethane

Concen: 51.20 ug/l

RT: 8.50 min Scan# 709

Delta R.T. -0.00 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

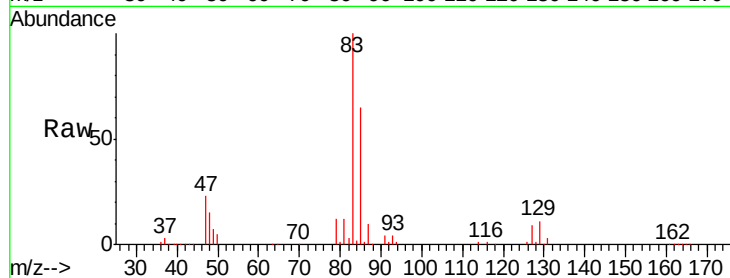
Tgt Ion: 83 Resp: 911397

Ion Ratio Lower Upper

83 100

85 64.8 51.0 76.6

127 9.0 6.2 9.4

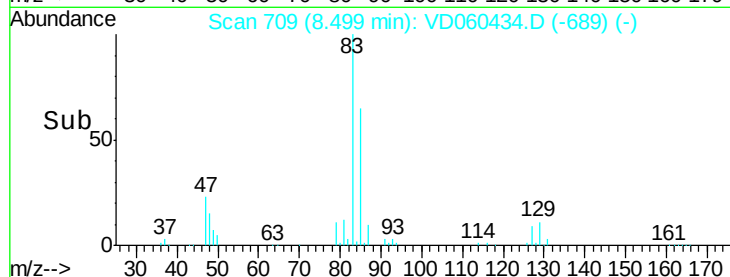


Abundance Ion 82.85 (82.55 to 83.55): VDC

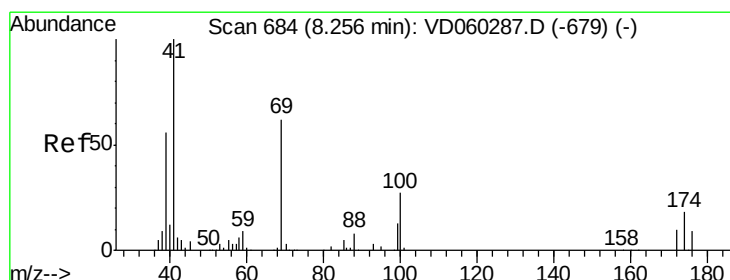
Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC

Time-->



Time-->



#48

Methyl methacrylate

Concen: 48.31 ug/l

RT: 8.25 min Scan# 684

Delta R.T. -0.00 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

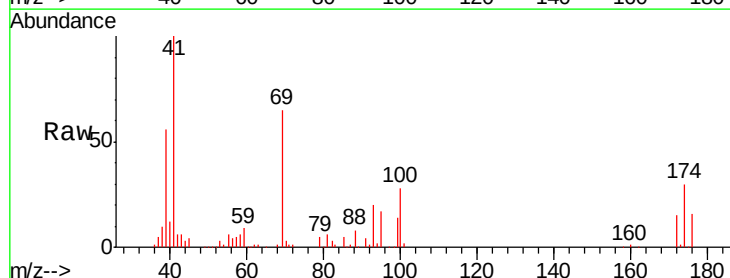
Tgt Ion: 41 Resp: 339878

Ion Ratio Lower Upper

41 100

69 64.7 47.0 70.4

39 55.9 46.2 69.4

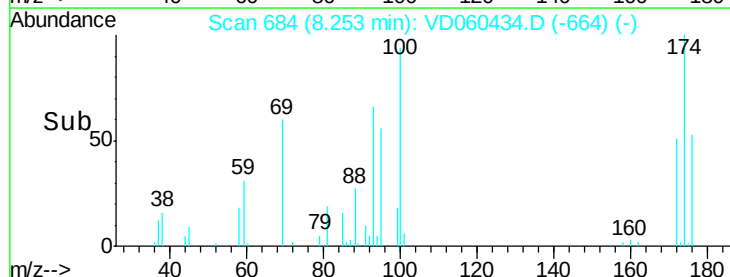


Abundance Ion 40.95 (40.65 to 41.65): VDC

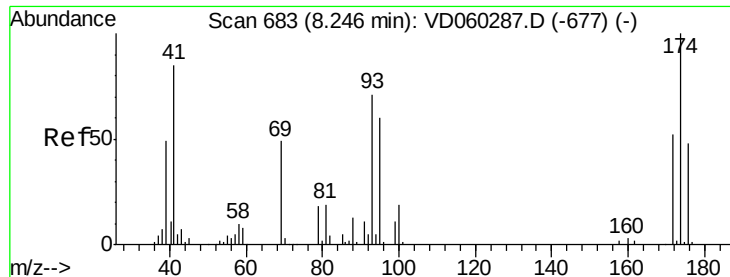
Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

Time-->



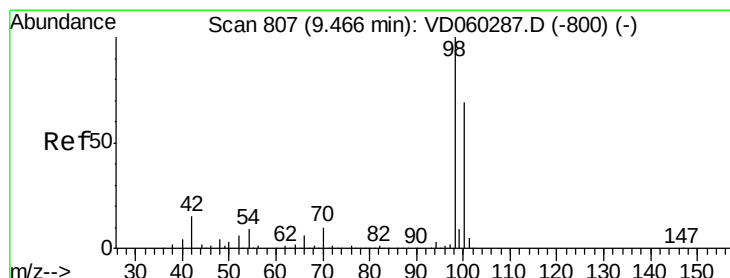
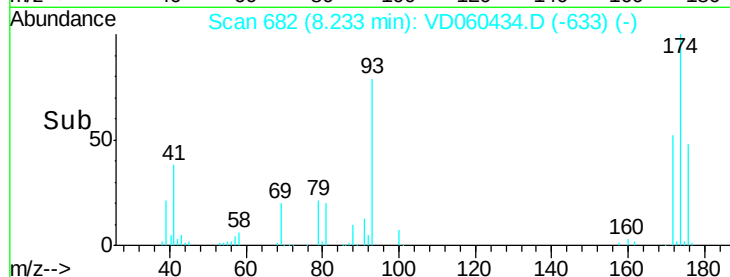
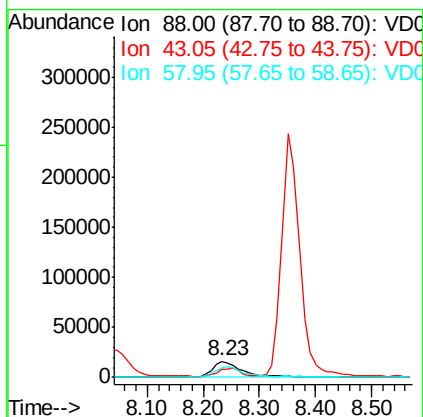
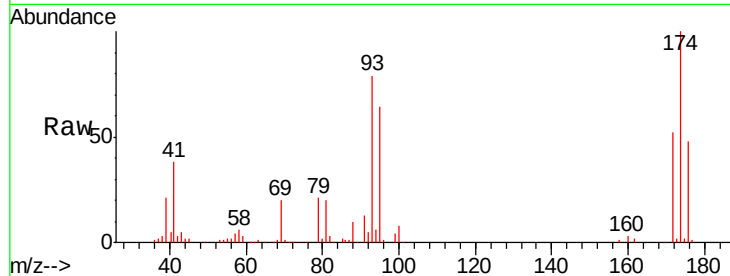
Time-->



#49
1,4-Dioxane
Concen: 991.78 ug/l
RT: 8.23 min Scan# 682
Delta R.T. -0.01 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

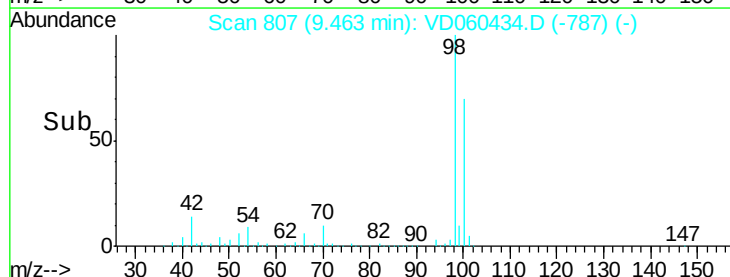
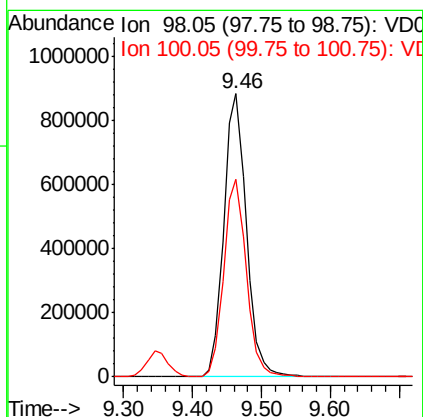
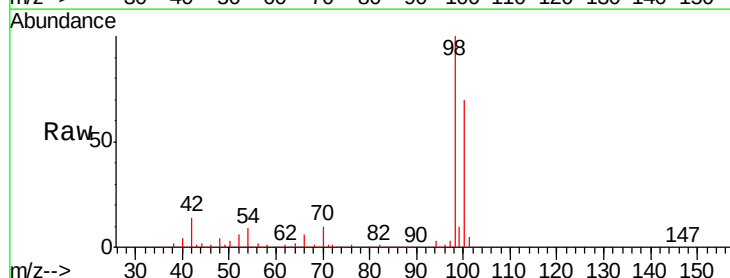
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

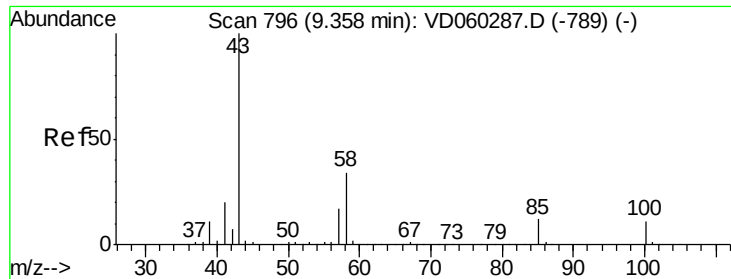
Tgt Ion: 88 Resp: 60366
Ion Ratio Lower Upper
88 100
43 50.9 39.7 59.5
58 59.0 60.2 90.2#



#50
Toluene-d8
Concen: 991.78 ug/l
RT: 9.46 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Tgt Ion: 98 Resp: 2007404
Ion Ratio Lower Upper
98 100
100 69.8 55.2 82.8





#51

4-Methyl-2-Pentanone

Concen: 231.34 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

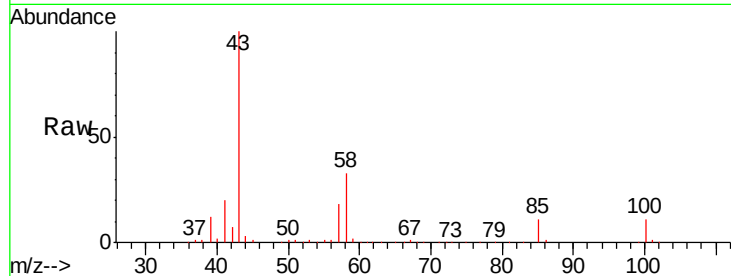
VSTDCCC050

Tgt Ion: 43 Resp: 1743781

Ion Ratio Lower Upper

43 100

58 32.7 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.35

800000

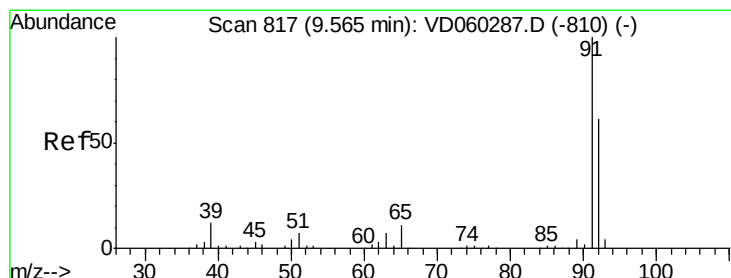
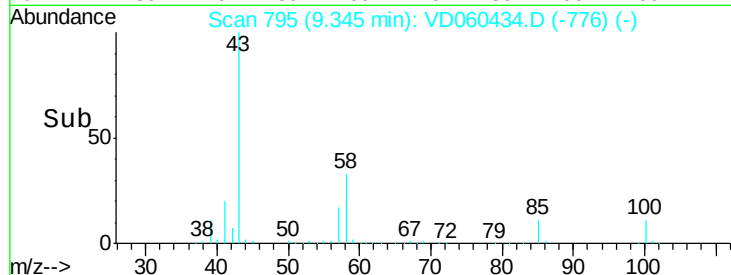
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.11 ug/l

RT: 9.55 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060434.D

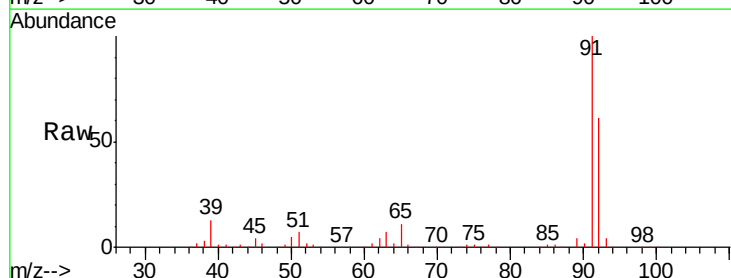
Acq: 21 Nov 2018 10:57

Tgt Ion: 92 Resp: 1669899

Ion Ratio Lower Upper

92 100

91 162.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

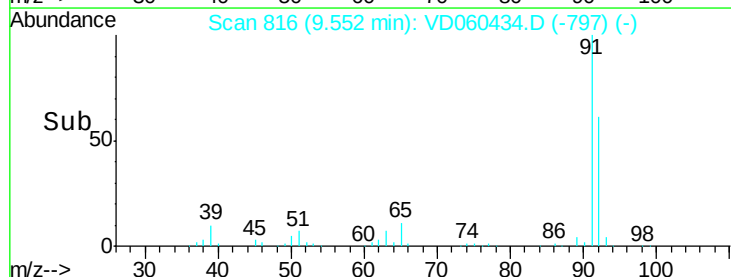
9.55

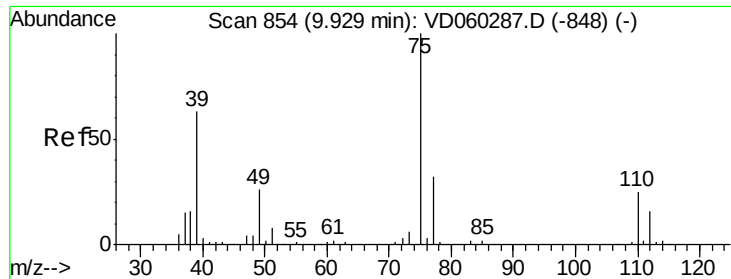
1000000

500000

0

Time-->

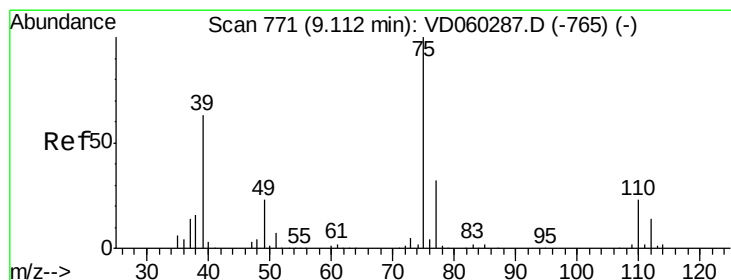
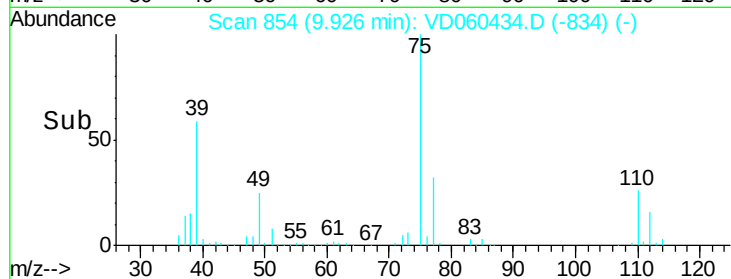
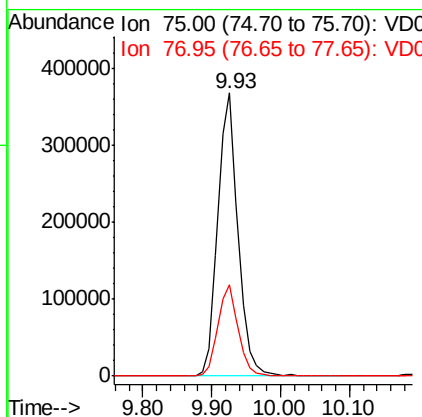
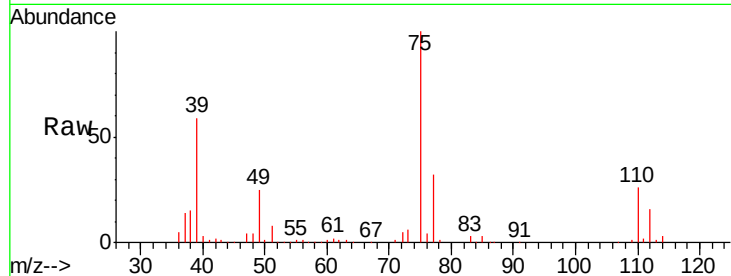




#53
 t-1,3-Dichloropropene
 Concen: 49.66 ug/l
 RT: 9.93 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

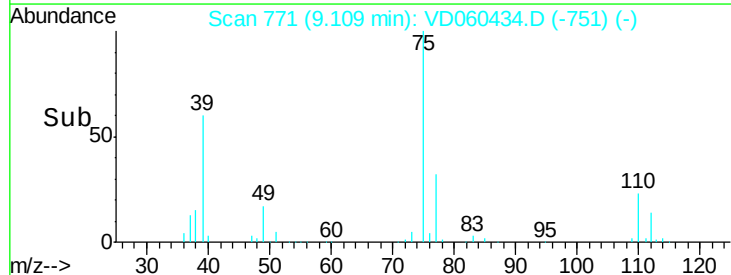
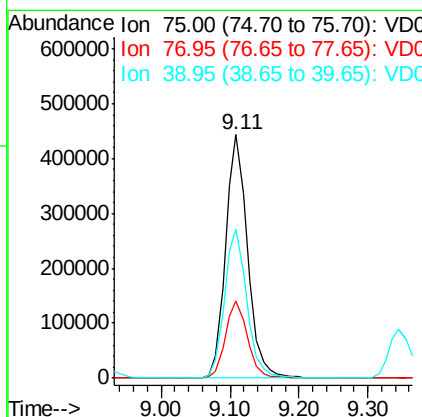
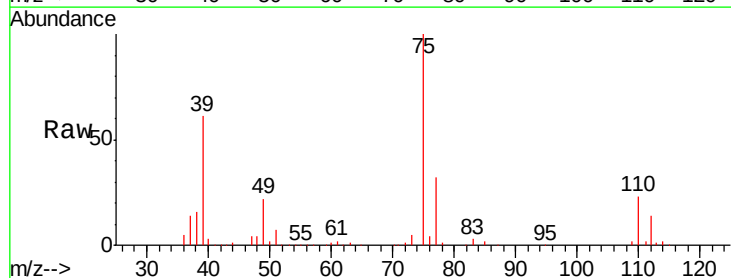
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

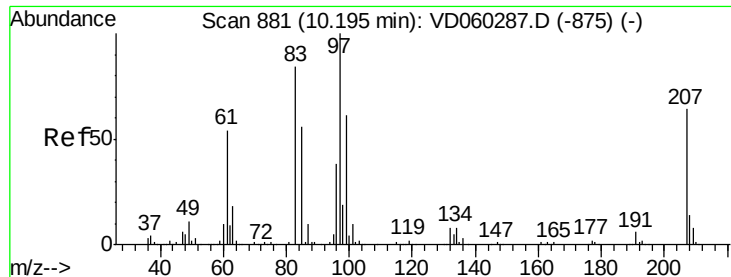
Tgt Ion: 75 Resp: 746979
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.72 ug/l
 RT: 9.11 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Tgt Ion: 75 Resp: 978469
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.3 39.5
 39 61.3 50.8 76.2

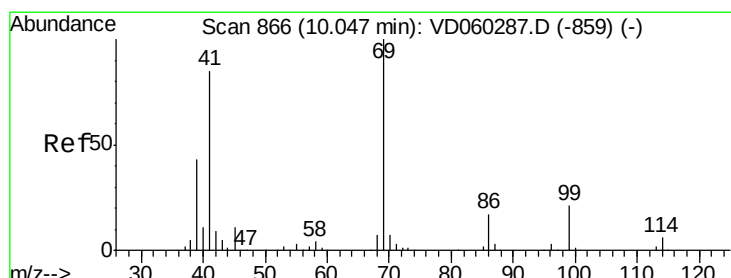
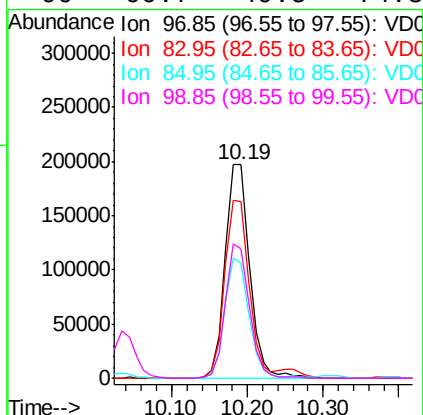
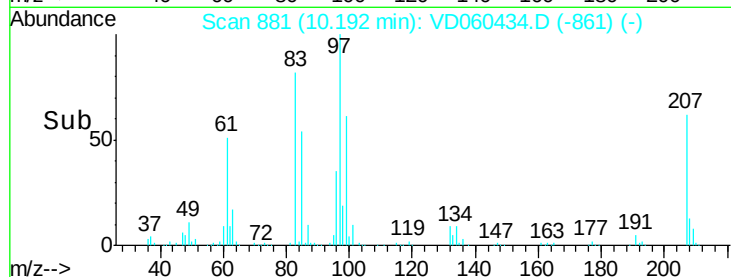
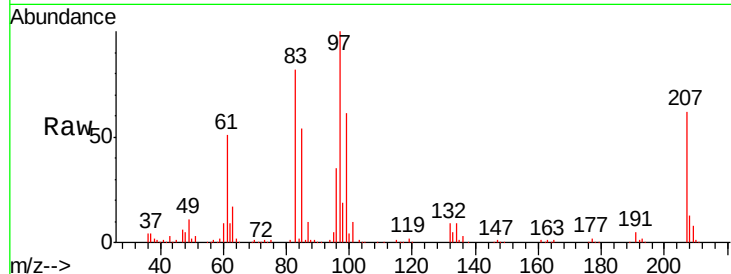




#55
 1,1,2-Trichloroethane
 Concen: 46.73 ug/l
 RT: 10.19 min Scan# 881
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

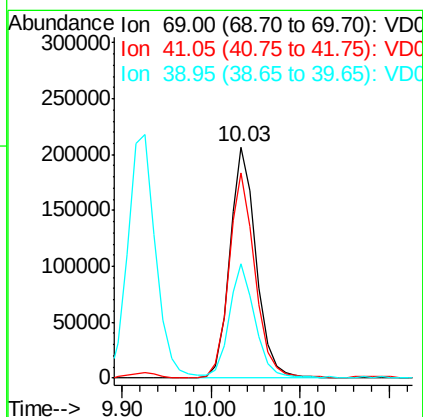
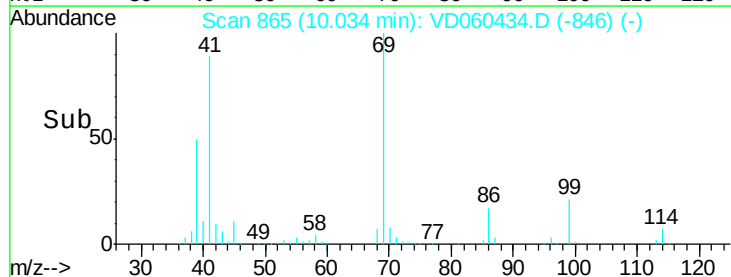
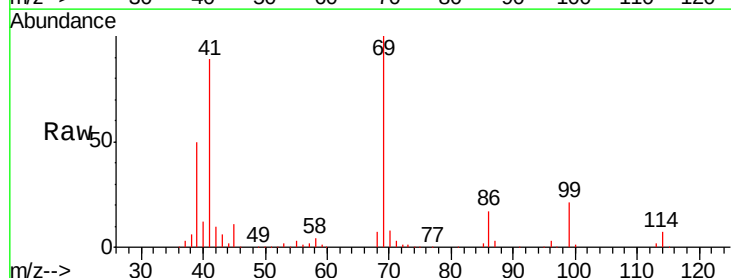
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

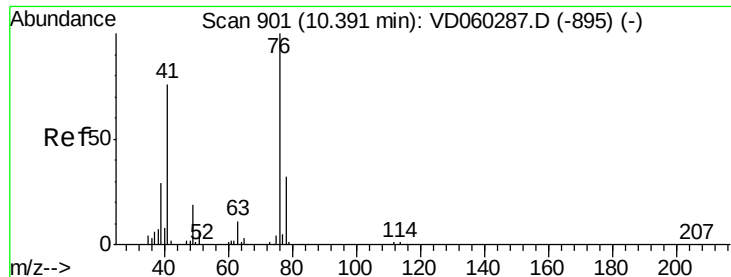
Tgt Ion:	97	Resp:	442502
Ion	Ratio	Lower	Upper
97	100		
83	82.5	68.4	102.6
85	53.9	46.8	70.2
99	60.7	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 48.97 ug/l
 RT: 10.03 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Tgt Ion:	69	Resp:	426382
Ion	Ratio	Lower	Upper
69	100		
41	88.6	69.0	103.4
39	49.6	36.6	54.8

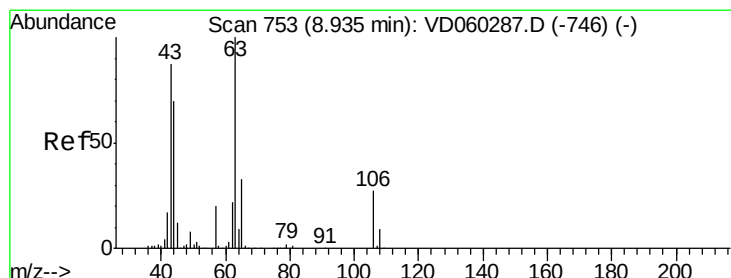
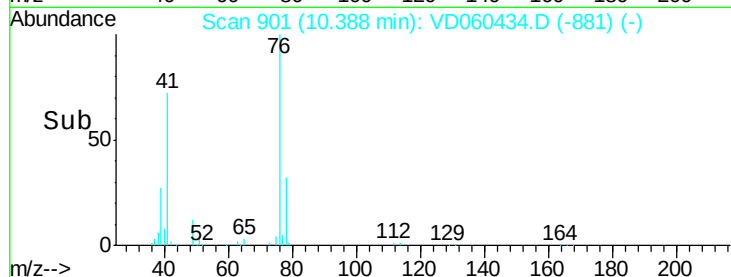
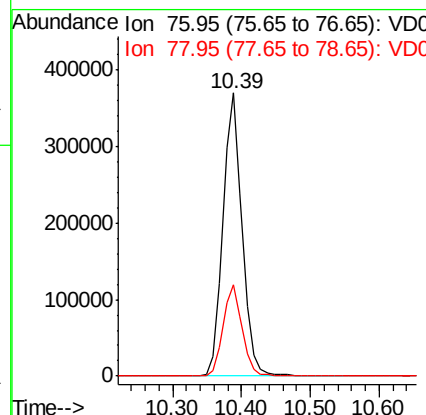
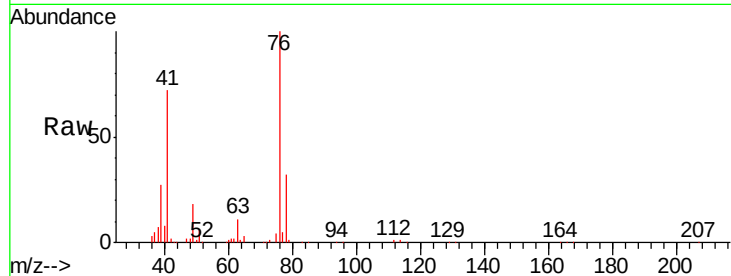




#57
 1,3-Dichloropropane
 Concen: 49.07 ug/l
 RT: 10.39 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

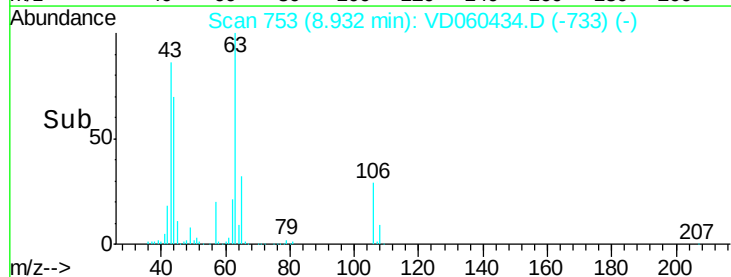
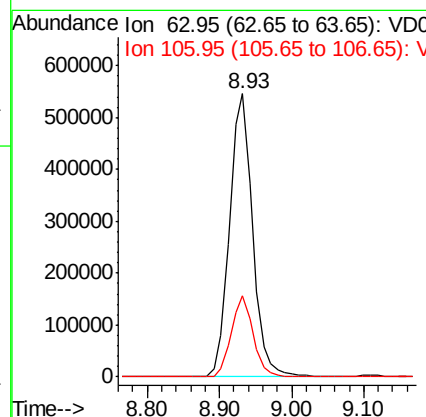
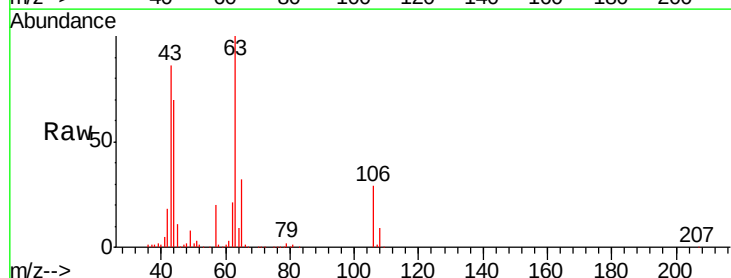
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

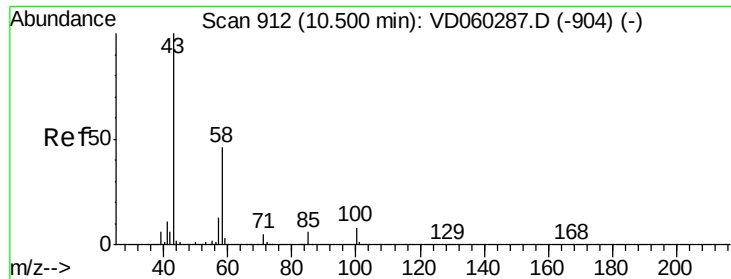
Tgt Ion: 76 Resp: 708016
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.16 ug/l
 RT: 8.93 min Scan# 753
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Tgt Ion: 63 Resp: 1206344
 Ion Ratio Lower Upper
 63 100
 106 28.6 21.5 32.3

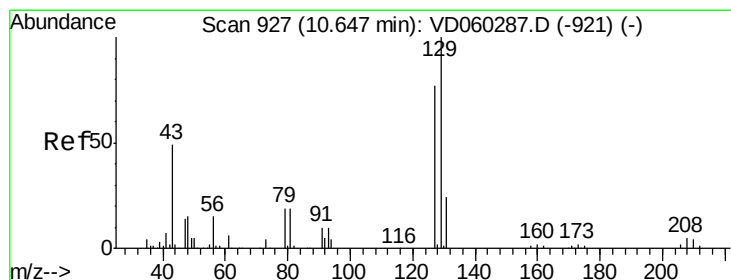
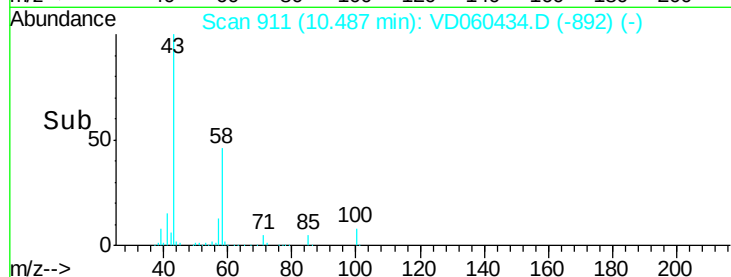
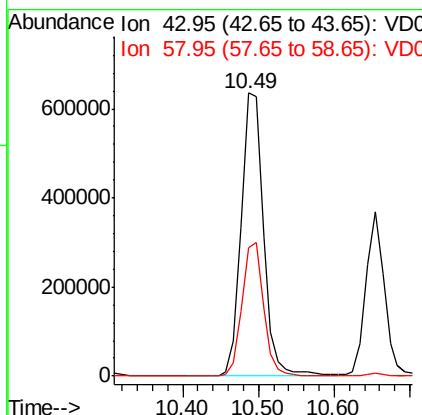
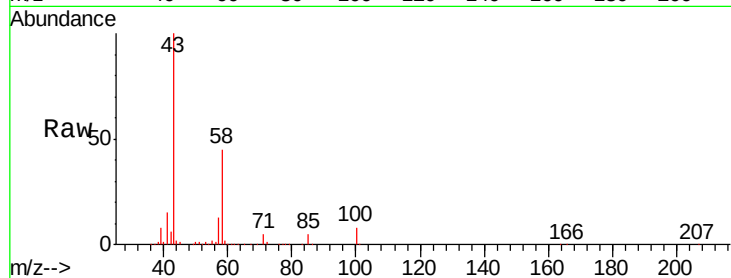




#59
2-Hexanone
Concen: 240.74 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

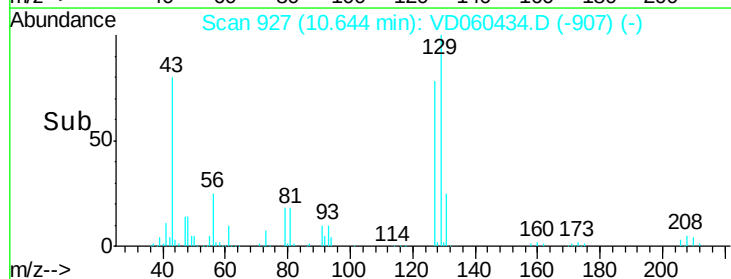
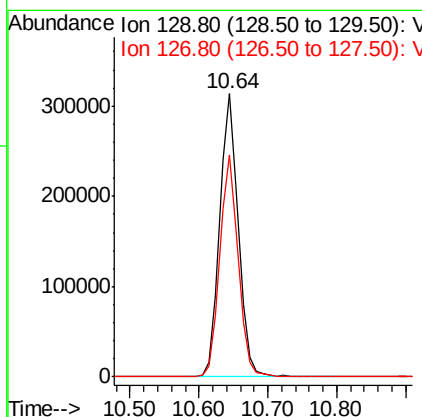
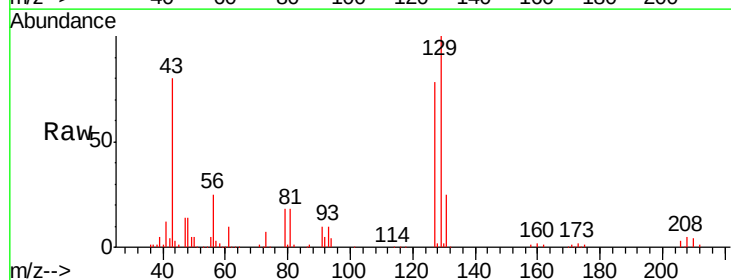
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

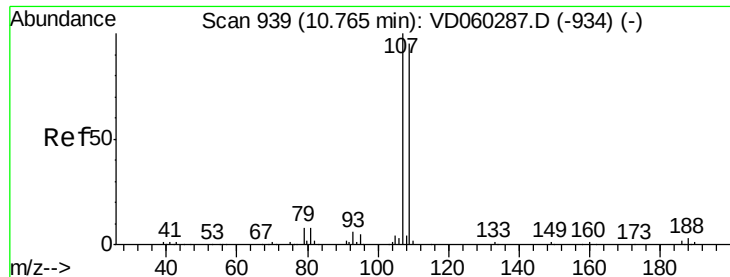
Tgt Ion: 43 Resp: 1293385
Ion Ratio Lower Upper
43 100
58 45.3 22.9 68.5



#60
Dibromochloromethane
Concen: 51.04 ug/l
RT: 10.64 min Scan# 927
Delta R.T. -0.00 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Tgt Ion: 129 Resp: 587457
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.6

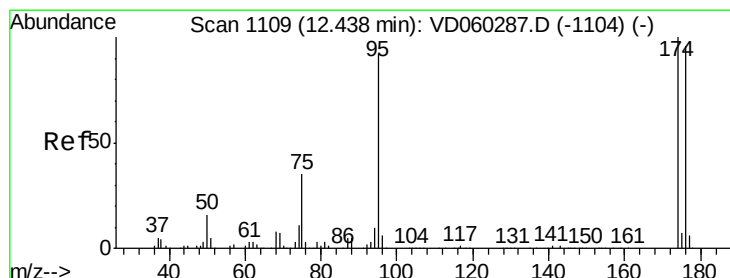
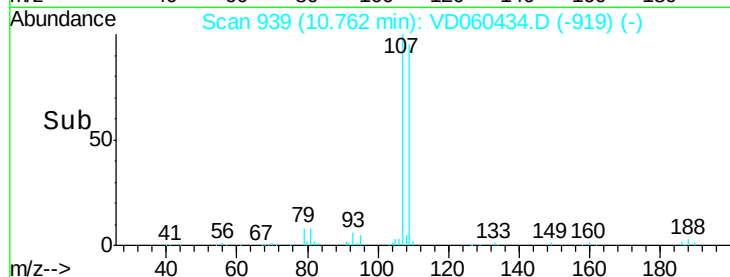
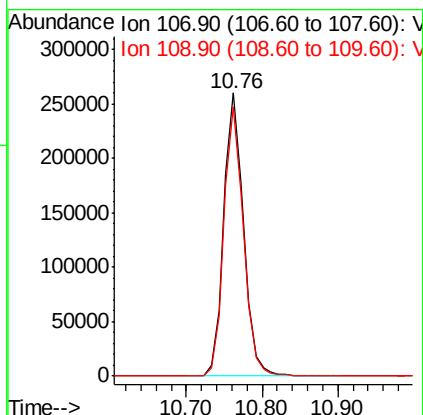
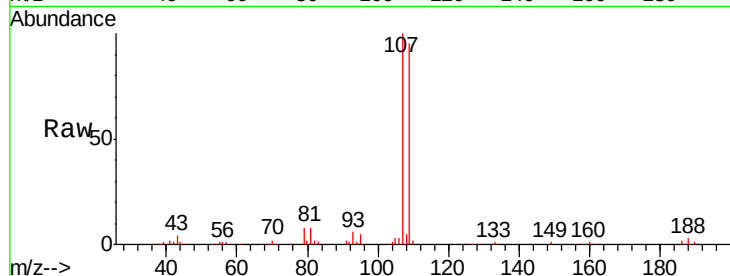




#61
 1,2-Dibromoethane
 Concen: 49.63 ug/l
 RT: 10.76 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

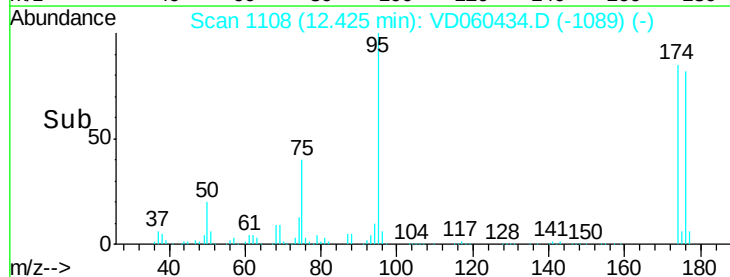
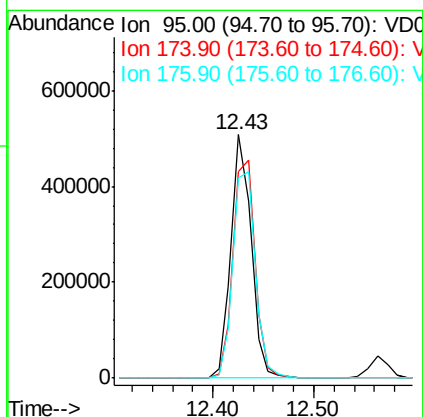
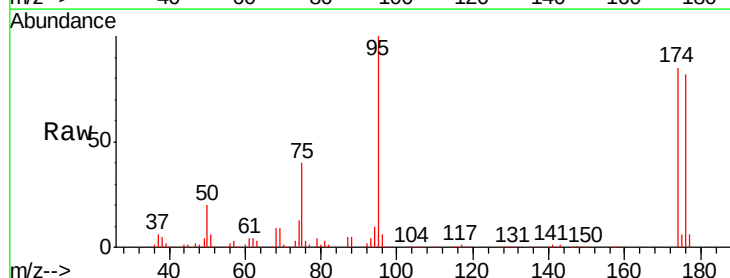
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

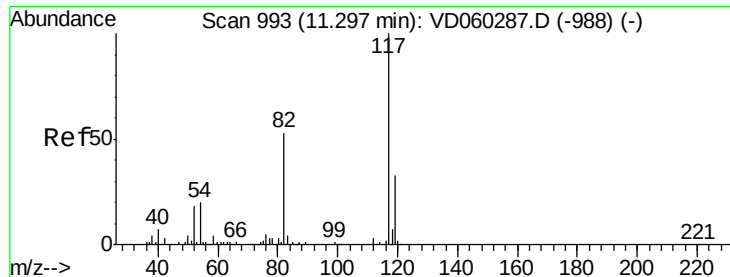
Tgt Ion: 107 Resp: 470821
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 49.63 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Tgt Ion: 95 Resp: 706738
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 160.8
 176 81.9 0.0 154.6

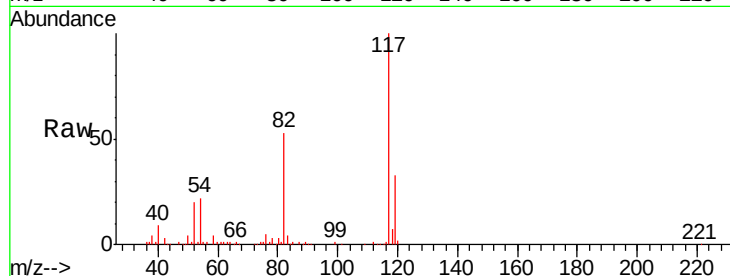




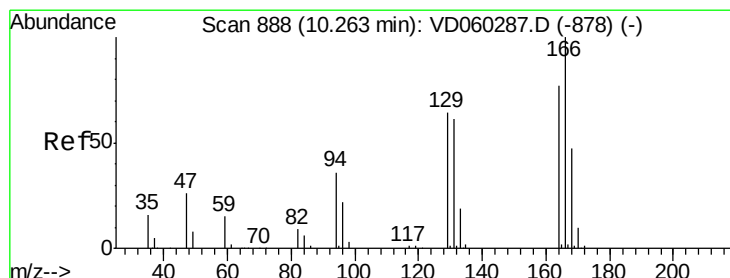
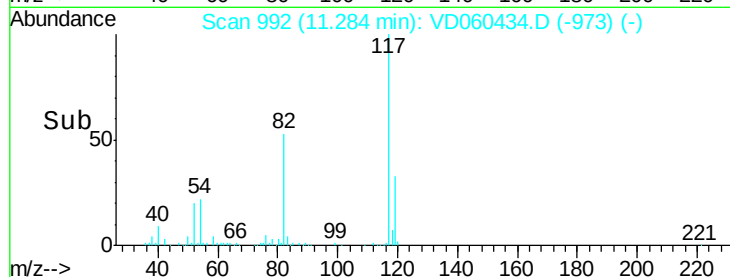
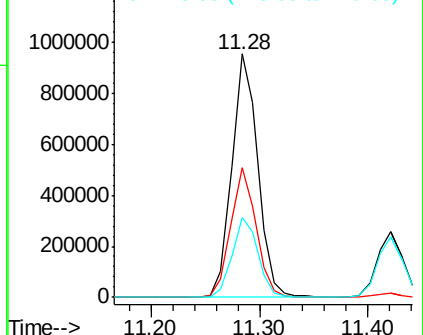
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1595521
Ion Ratio Lower Upper
117 100
82 53.4 43.7 65.5
119 33.0 26.1 39.1



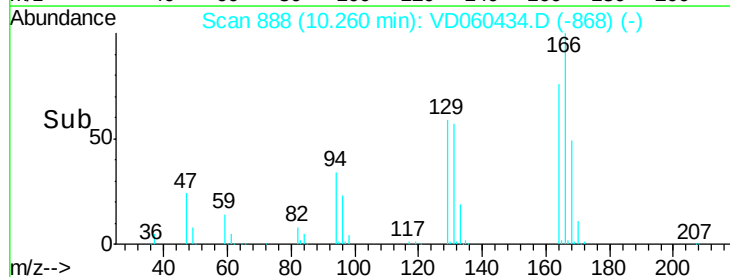
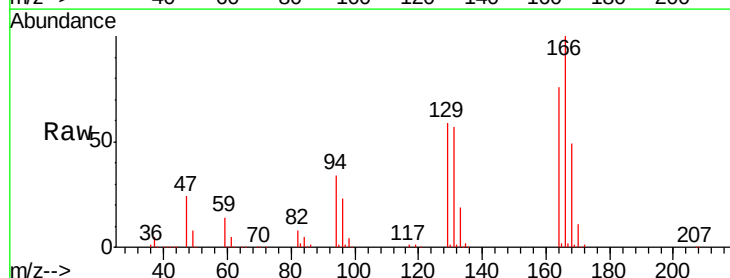
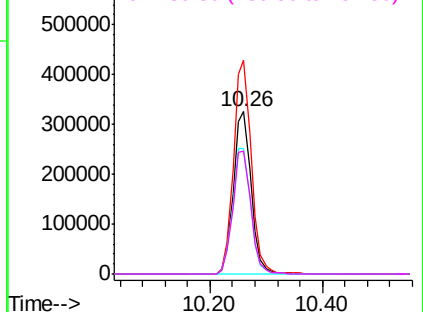
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

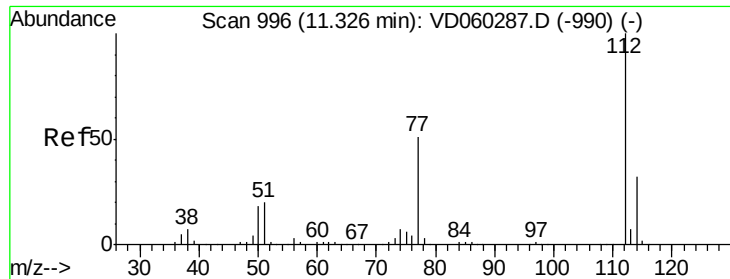


#64
Tetrachloroethene
Concen: 50.08 ug/l
RT: 10.26 min Scan# 888
Delta R.T. -0.00 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Tgt Ion:164 Resp: 713345
Ion Ratio Lower Upper
164 100
166 131.8 103.7 155.5
129 77.2 65.6 98.4
131 75.7 64.4 96.6

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

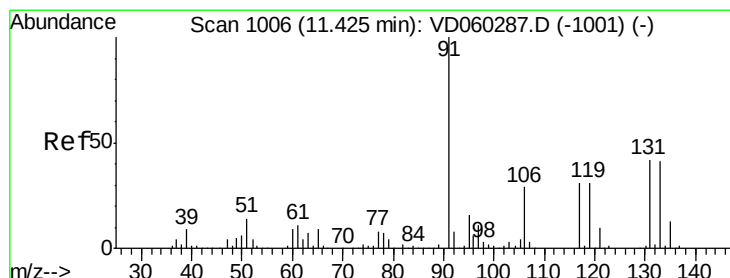
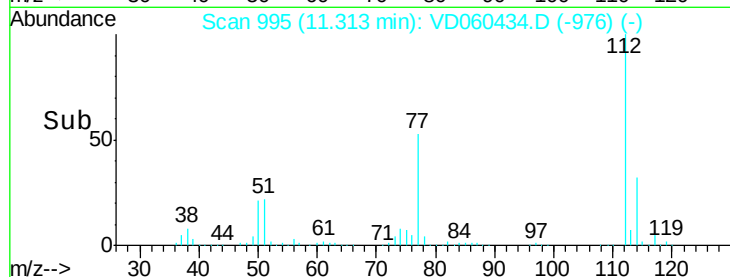
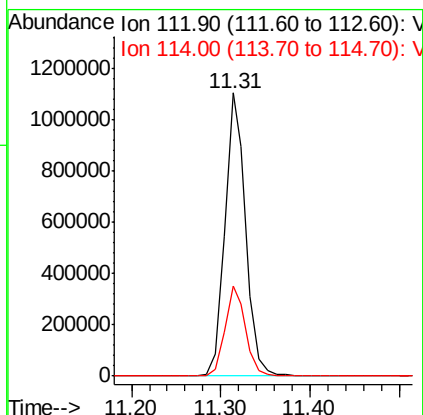
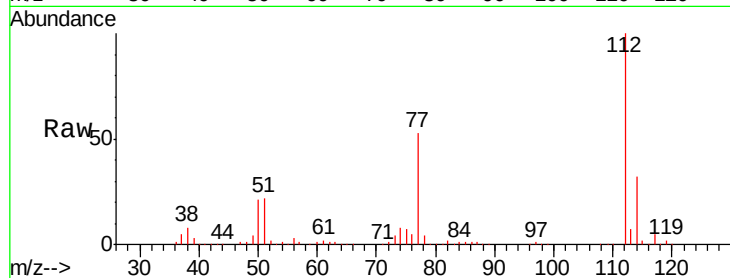




#65
Chlorobenzene
Concen: 52.26 ug/l
RT: 11.31 min Scan# 995
Delta R.T. -0.01 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

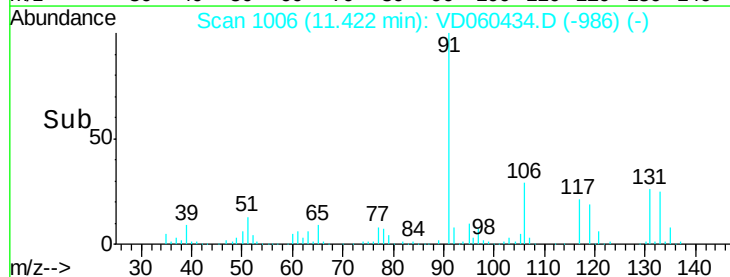
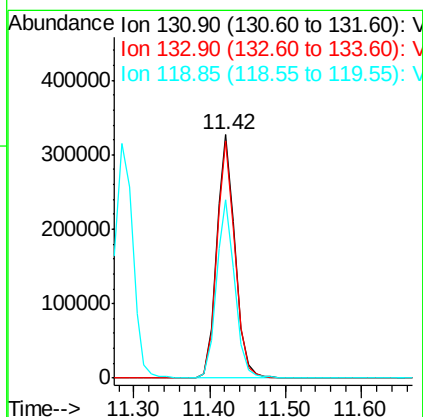
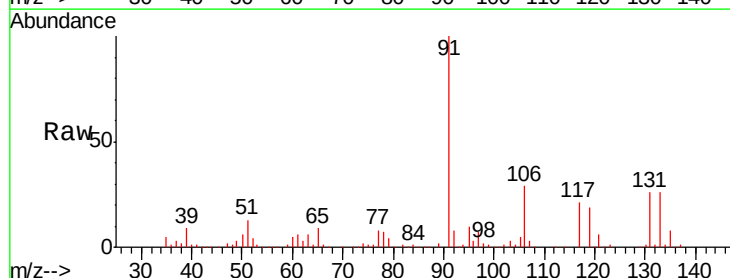
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

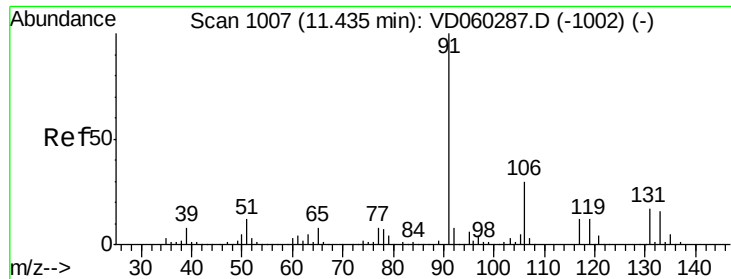
Tgt Ion:112 Resp: 1806816
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.09 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Tgt Ion:131 Resp: 555266
Ion Ratio Lower Upper
131 100
133 97.6 50.0 150.0
119 73.4 37.0 111.1

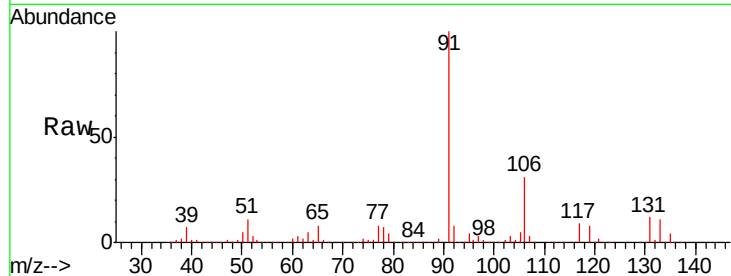




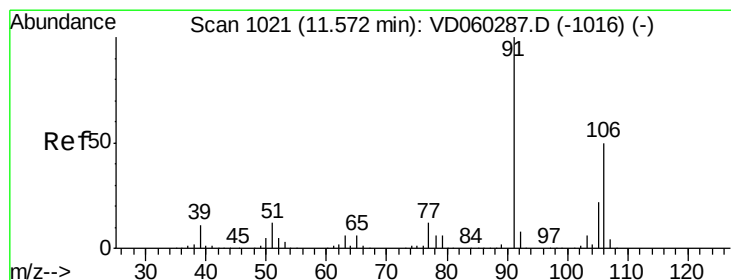
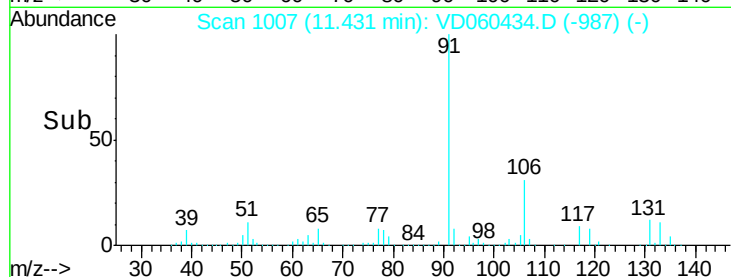
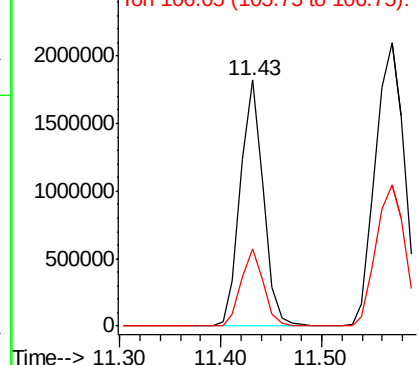
#67
Ethyl Benzene
Concen: 48.54 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2870282
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8

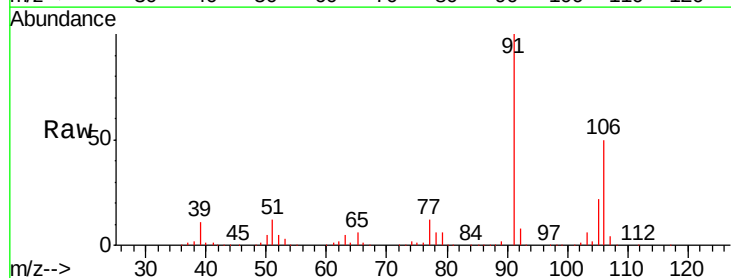


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

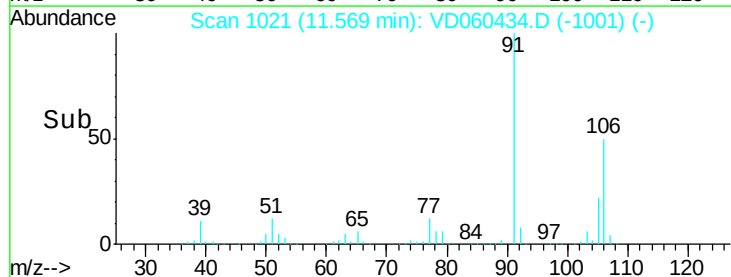
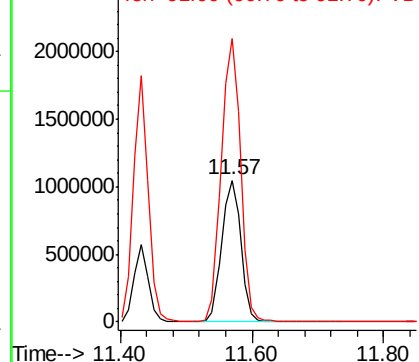


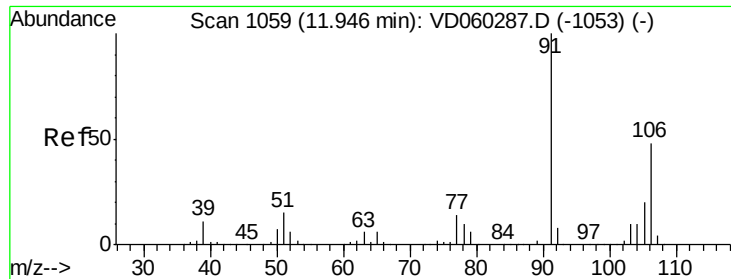
#68
m/p-Xylenes
Concen: 97.00 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Tgt Ion: 106 Resp: 2115957
Ion Ratio Lower Upper
106 100
91 200.3 159.4 239.2



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

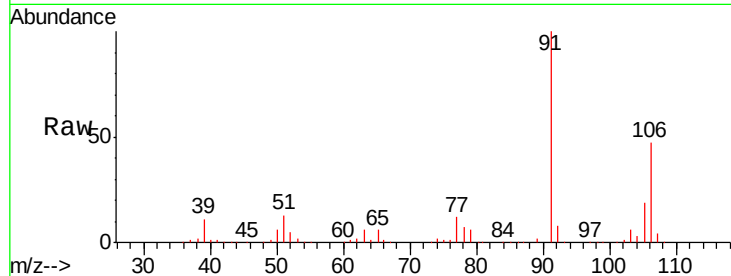




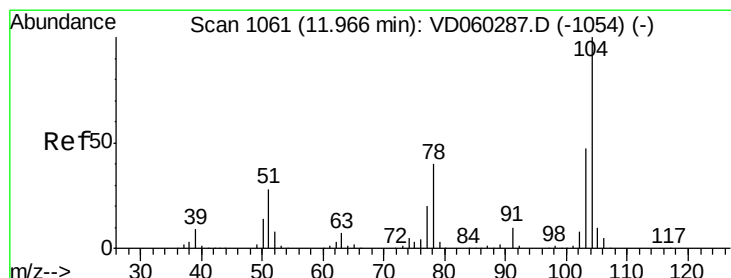
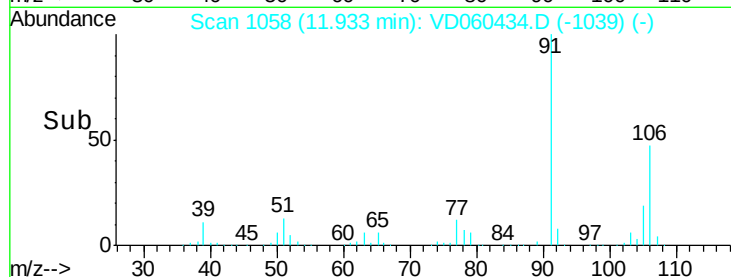
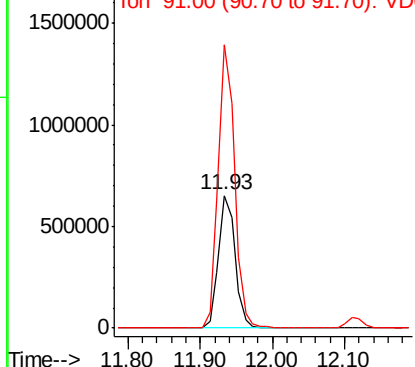
#69
o-Xylene
Concen: 48.98 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 1032302
Ion Ratio Lower Upper
106 100
91 213.7 109.2 327.6

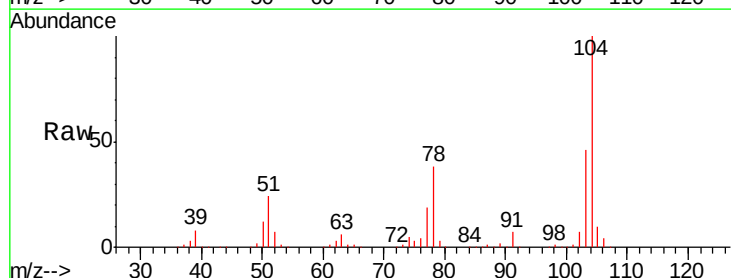


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

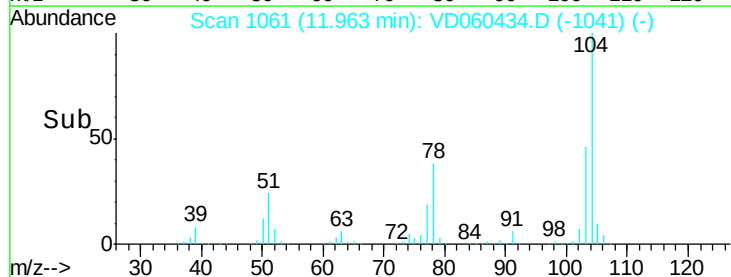
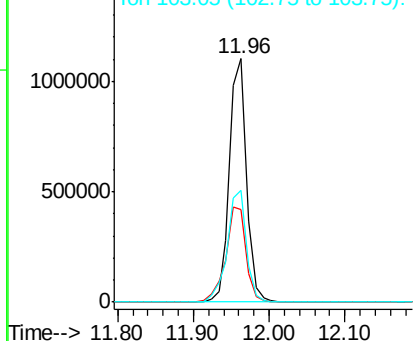


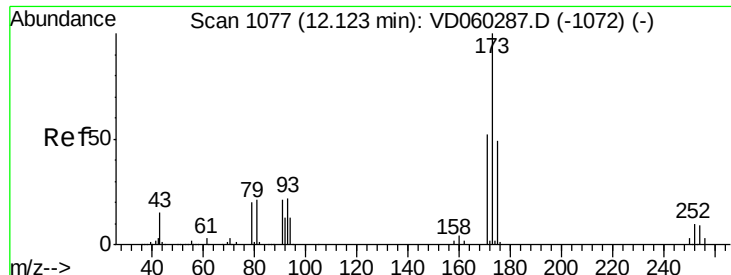
#70
Styrene
Concen: 50.25 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Tgt Ion:104 Resp: 1711488
Ion Ratio Lower Upper
104 100
78 37.8 31.6 47.4
103 45.8 37.0 55.6



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

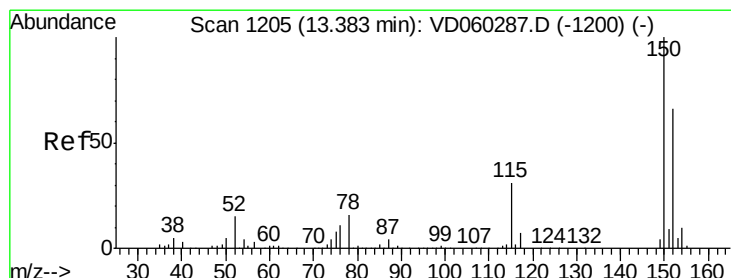
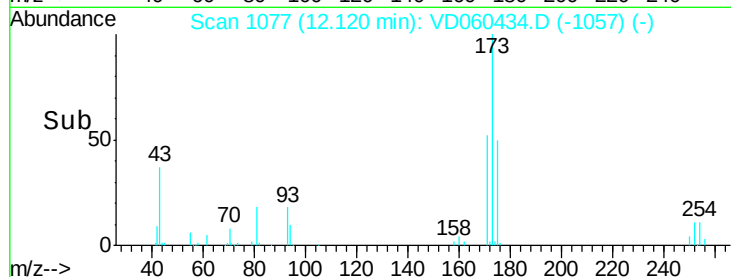
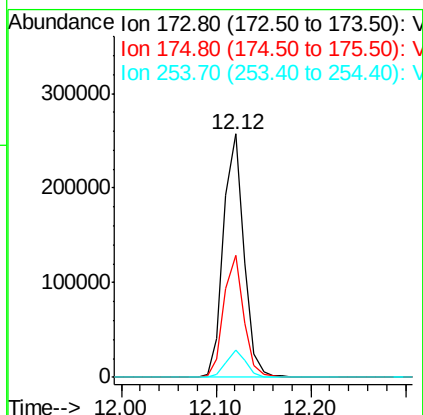
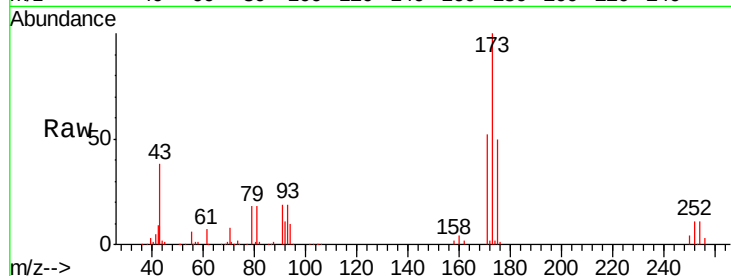




#71
Bromoform
Concen: 50.47 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

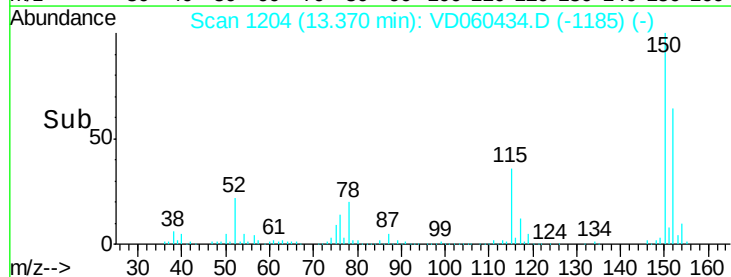
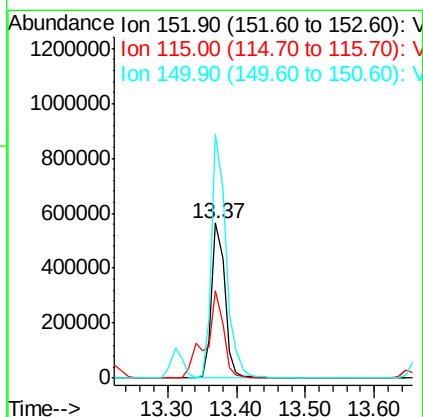
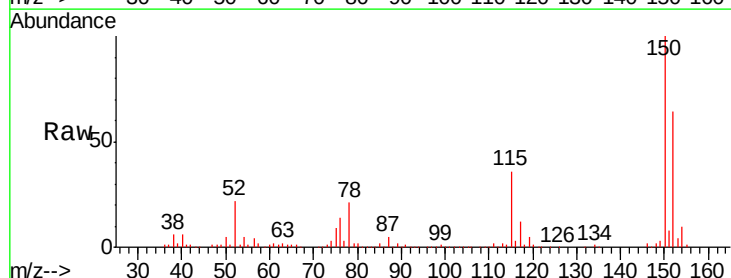
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

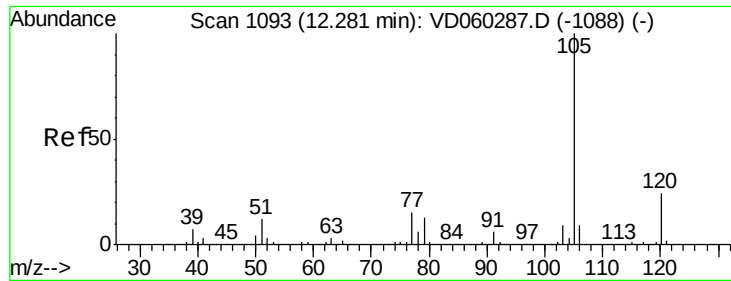
Tgt Ion:173 Resp: 383630
Ion Ratio Lower Upper
173 100
175 50.0 24.3 73.0
254 11.1 8.3 12.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Tgt Ion:152 Resp: 754704
Ion Ratio Lower Upper
152 100
115 56.4 24.1 72.3
150 157.2 0.0 310.6





#73

Isopropylbenzene

Concen: 53.80 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

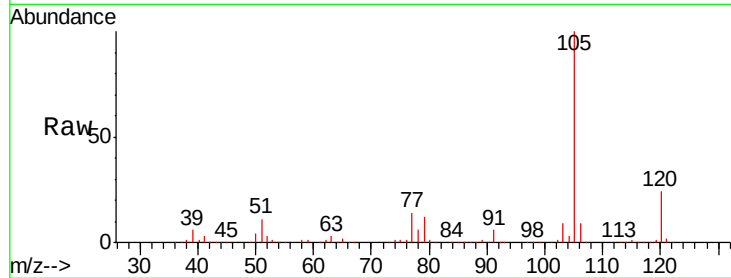
VSTDCCC050

Tgt Ion: 105 Resp: 2958250

Ion Ratio Lower Upper

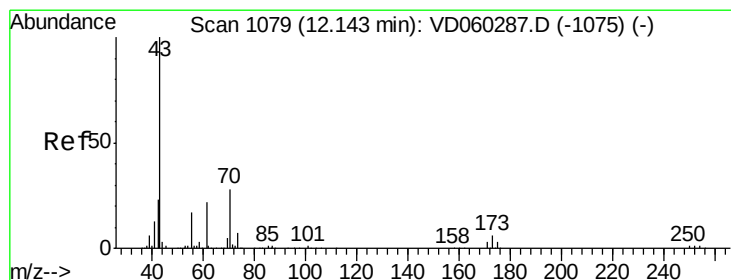
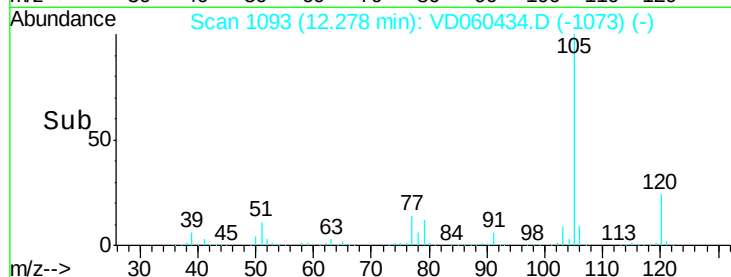
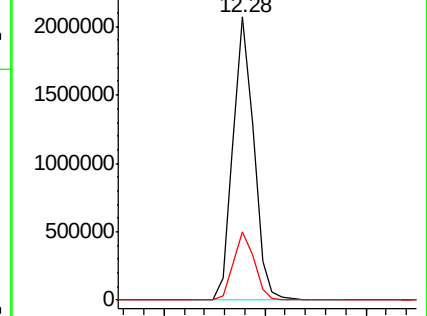
105 100

120 24.0 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.72 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Tgt Ion: 43 Resp: 714997

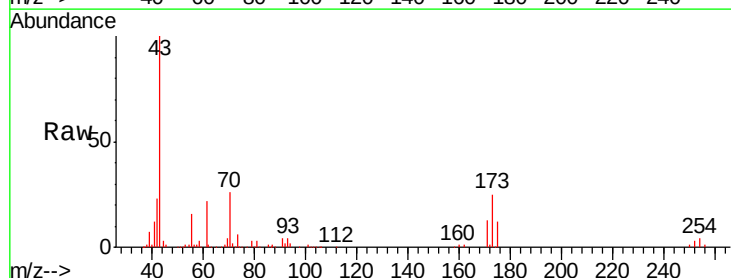
Ion Ratio Lower Upper

43 100

70 25.8 23.0 34.4

55 16.5 14.2 21.4

61 22.4 17.8 26.8

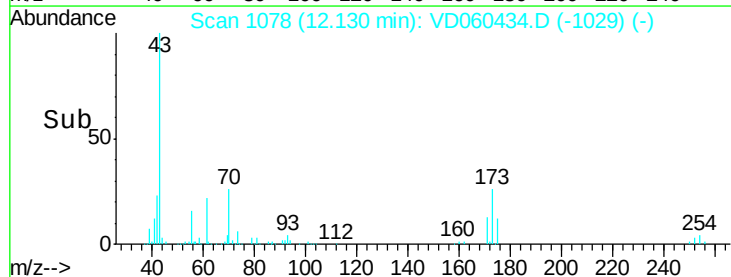
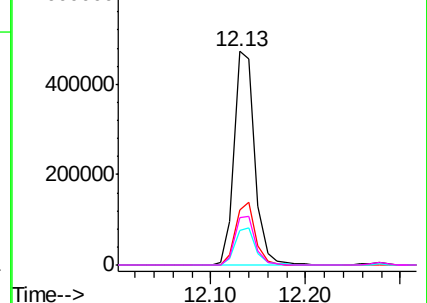


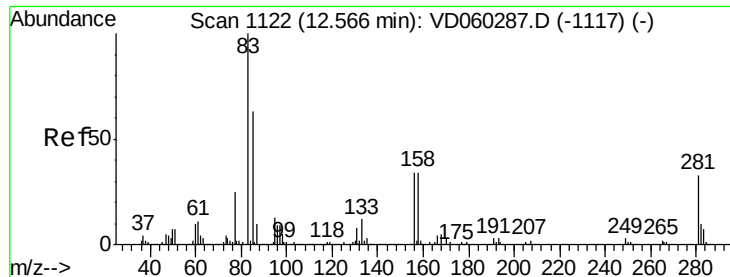
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.59 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

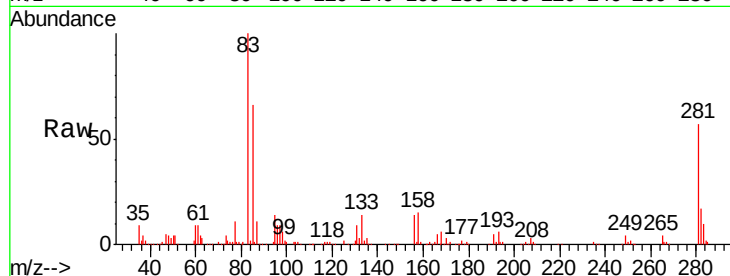
Tgt Ion: 83 Resp: 445904

Ion Ratio Lower Upper

83 100

131 9.3 3.9 11.5

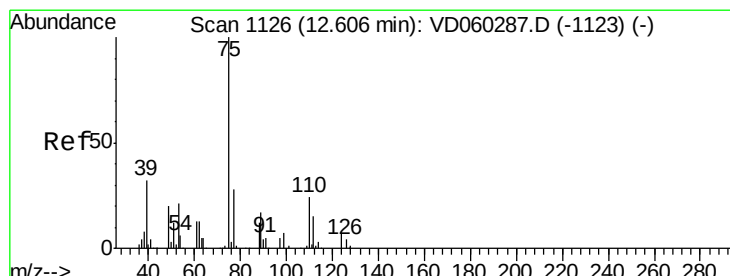
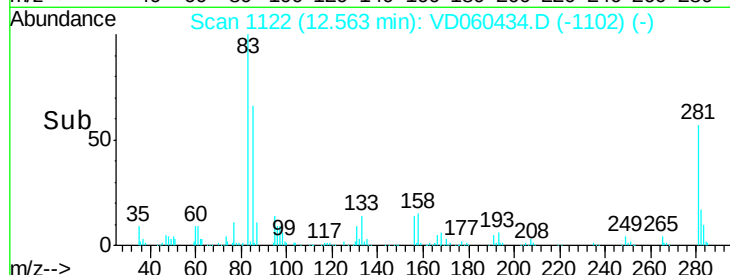
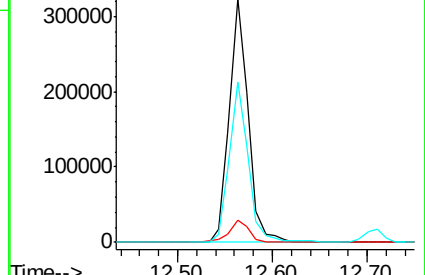
85 66.0 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.94 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD060434.D

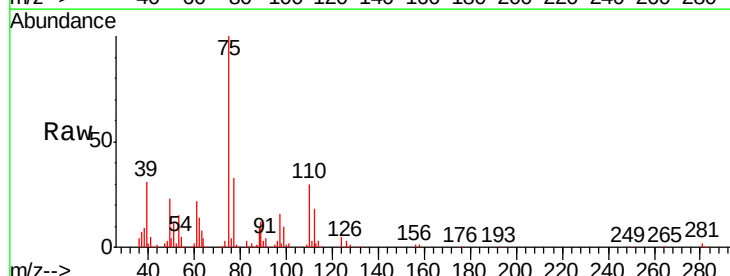
Acq: 21 Nov 2018 10:57

Tgt Ion: 75 Resp: 450885

Ion Ratio Lower Upper

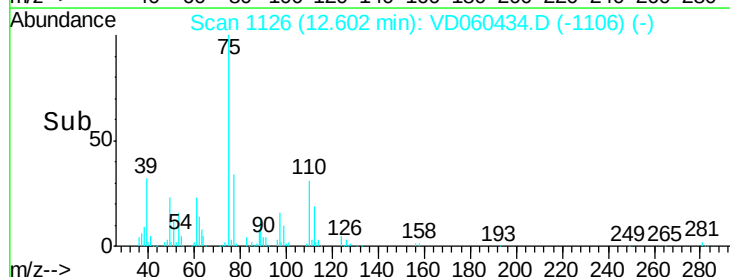
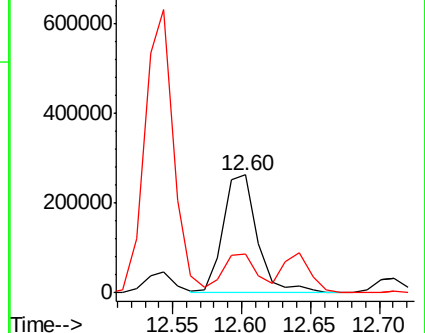
75 100

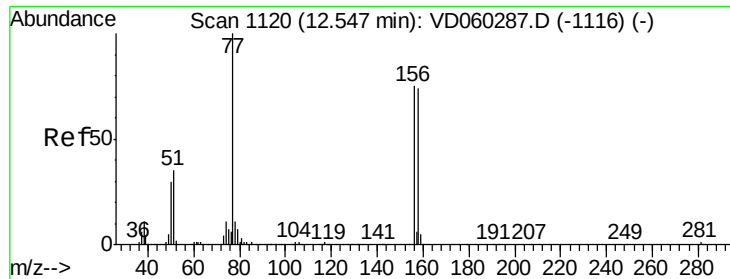
77 33.0 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.89 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

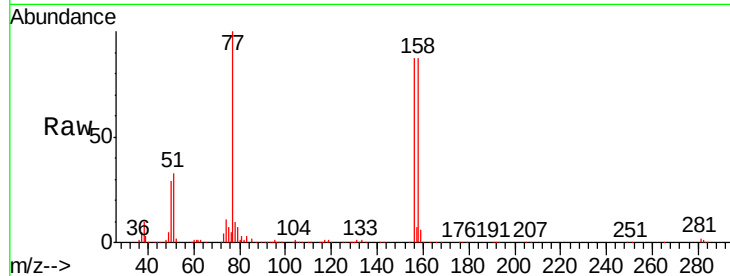
Tgt Ion:156 Resp: 743219

Ion Ratio Lower Upper

156 100

77 115.6 61.2 183.6

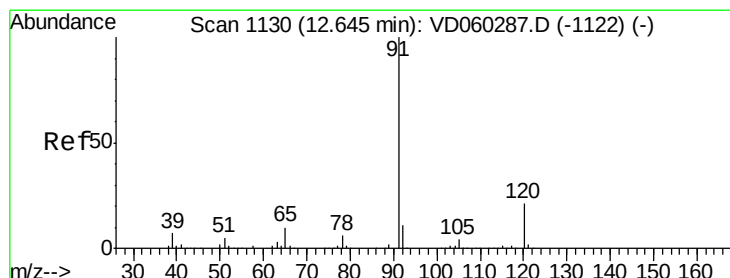
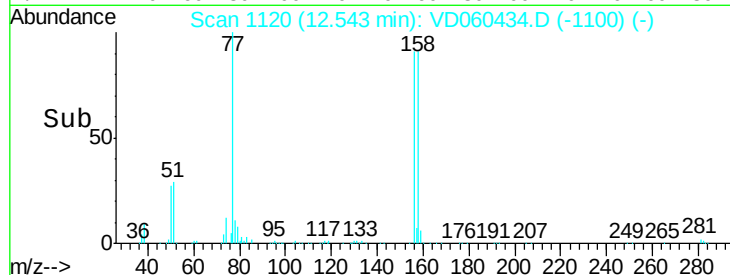
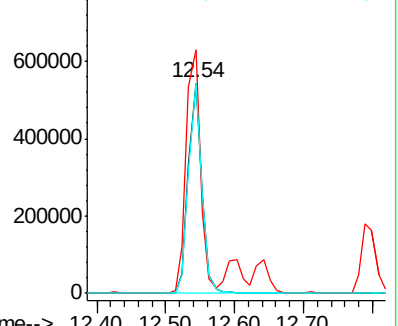
158 100.1 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 52.97 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VD060434.D

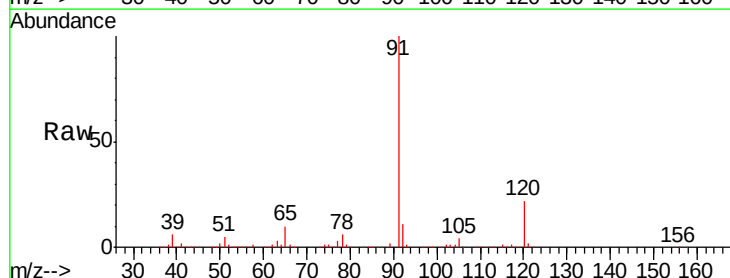
Acq: 21 Nov 2018 10:57

Tgt Ion: 91 Resp: 3635740

Ion Ratio Lower Upper

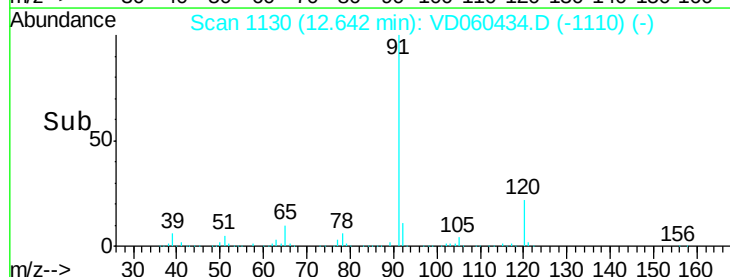
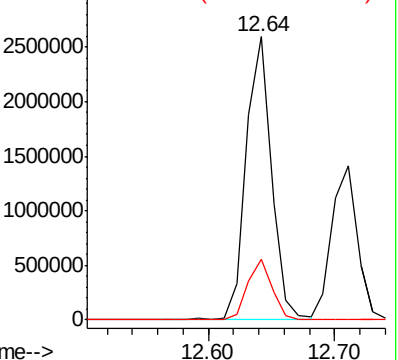
91 100

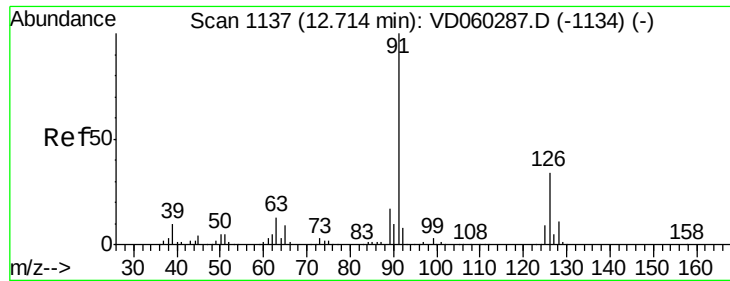
120 21.5 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 52.94 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

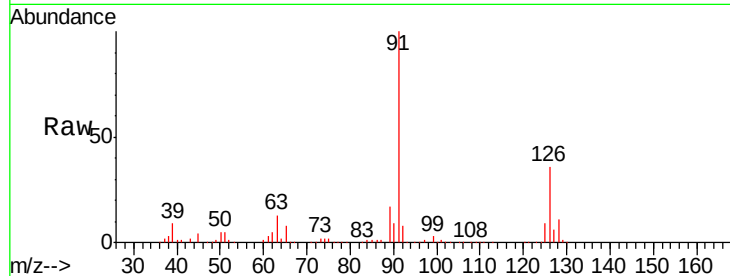
VSTDCCC050

Tgt Ion: 91 Resp: 1989866

Ion Ratio Lower Upper

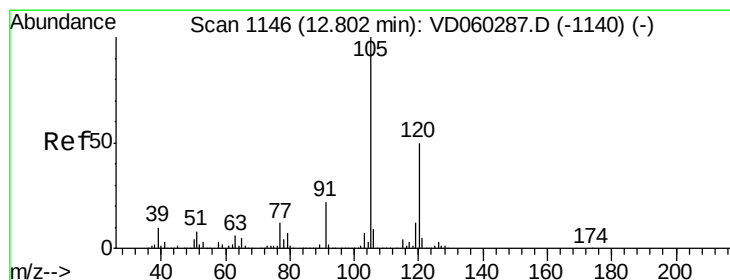
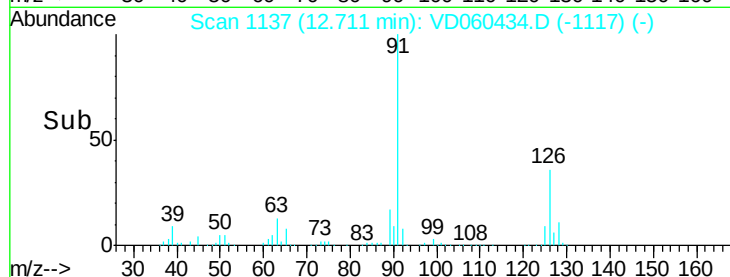
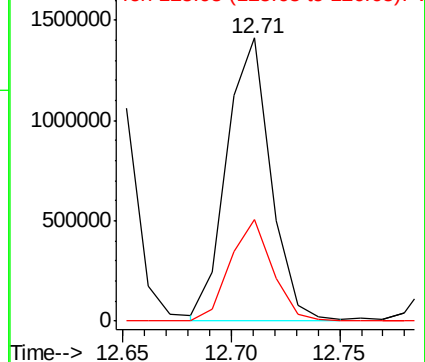
91 100

126 35.7 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 51.18 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060434.D

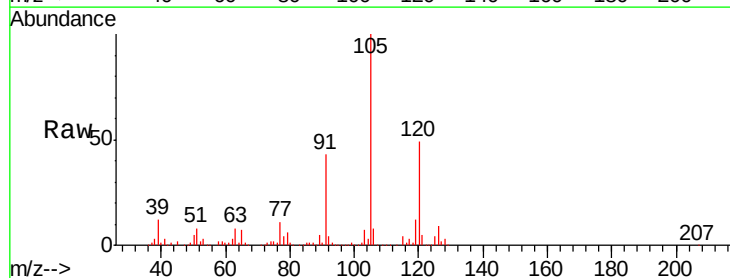
Acq: 21 Nov 2018 10:57

Tgt Ion: 105 Resp: 2186834

Ion Ratio Lower Upper

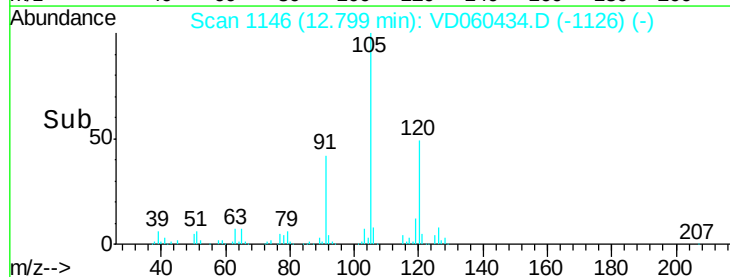
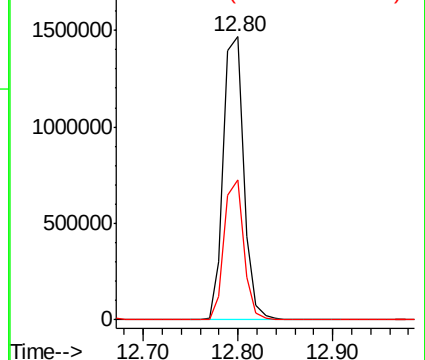
105 100

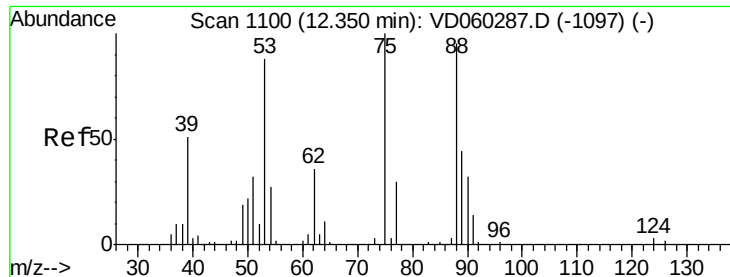
120 49.4 24.4 73.4



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: 51.57 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

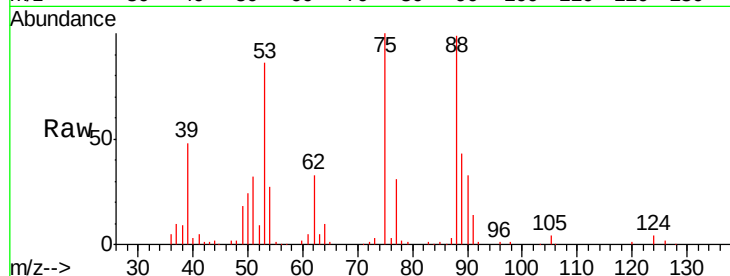
Tgt Ion: 75 Resp: 132559

Ion Ratio Lower Upper

75 100

53 85.9 68.6 103.0

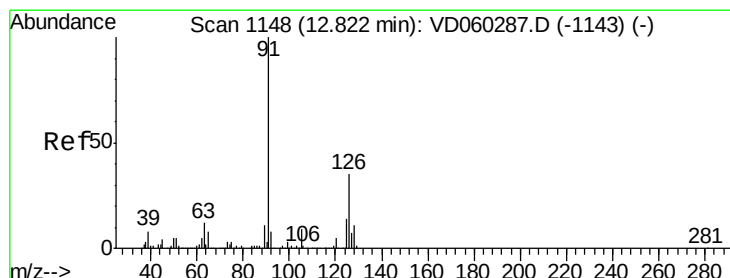
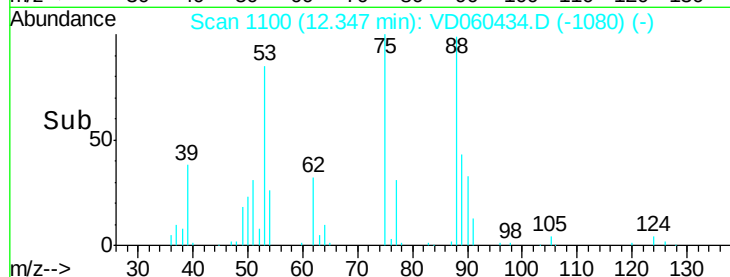
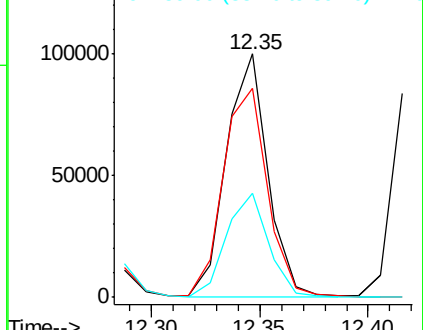
89 42.8 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.26 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060434.D

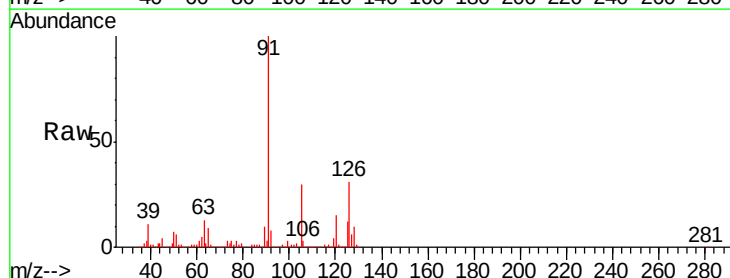
Acq: 21 Nov 2018 10:57

Tgt Ion: 91 Resp: 2164366

Ion Ratio Lower Upper

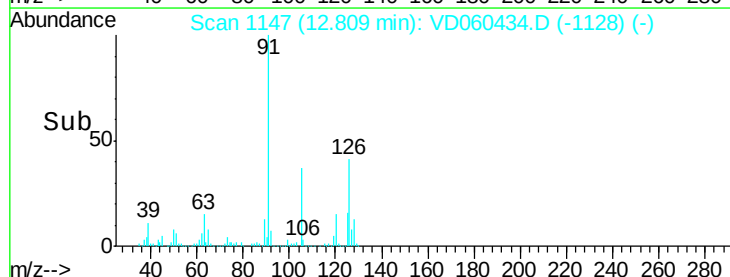
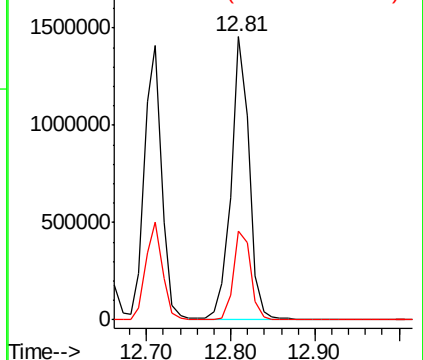
91 100

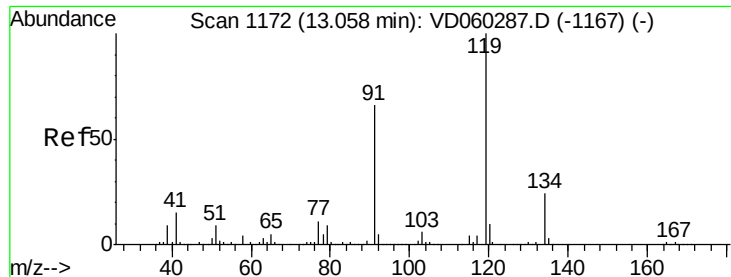
126 31.2 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

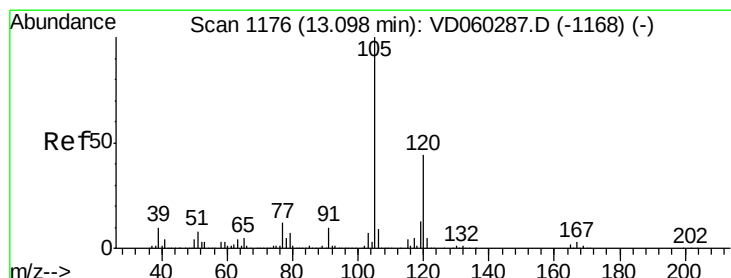
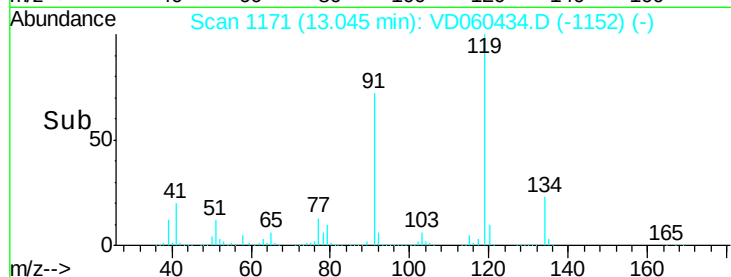
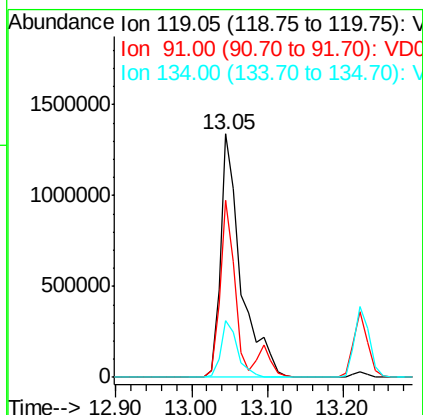
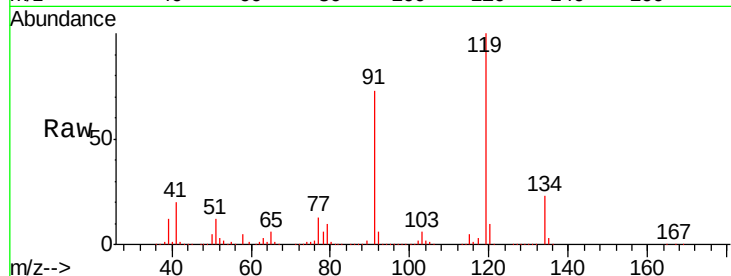




#83
 tert-Butylbenzene
 Concen: 53.53 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

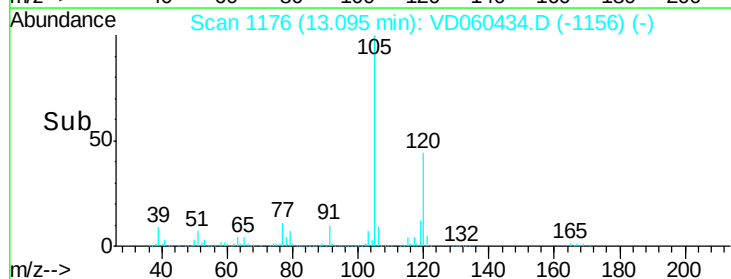
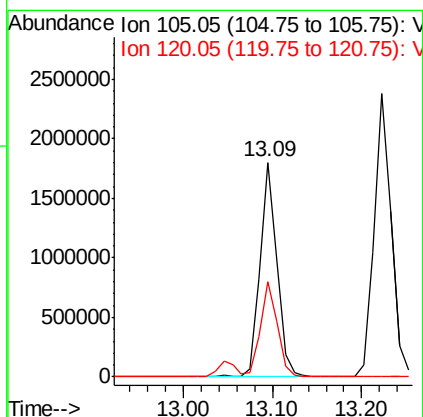
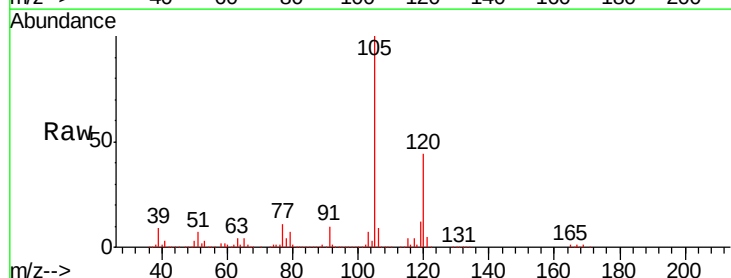
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

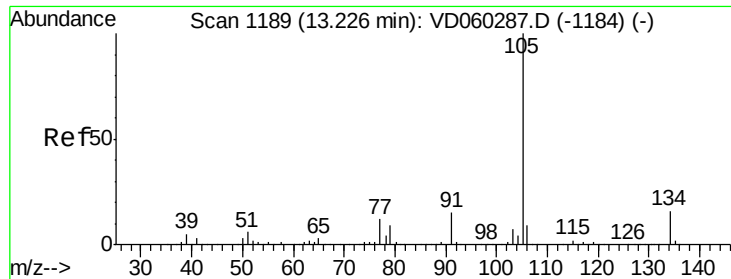
Tgt Ion:119 Resp: 2539659
 Ion Ratio Lower Upper
 119 100
 91 72.7 32.7 98.1
 134 23.5 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 54.62 ug/l
 RT: 13.09 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Tgt Ion:105 Resp: 2330883
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.9 65.8





#85

sec-Butylbenzene

Concen: 53.39 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

Instrument :

MSVOA_D

ClientSampleId :

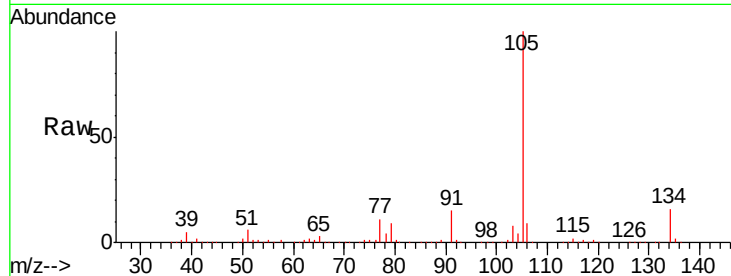
VSTDCCC050

Tgt Ion:105 Resp: 3107701

Ion Ratio Lower Upper

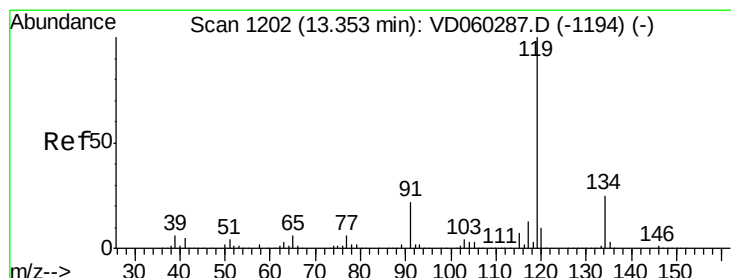
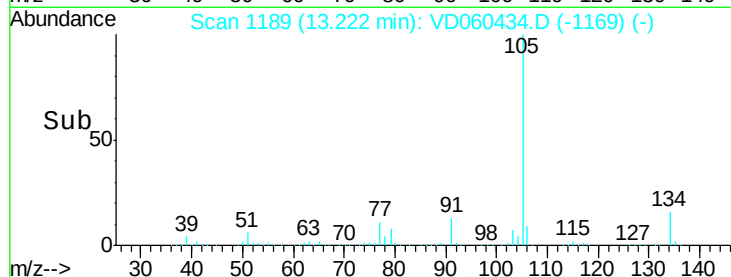
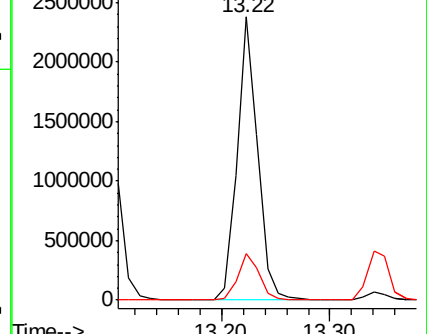
105 100

134 16.4 8.0 24.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.53 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060434.D

Acq: 21 Nov 2018 10:57

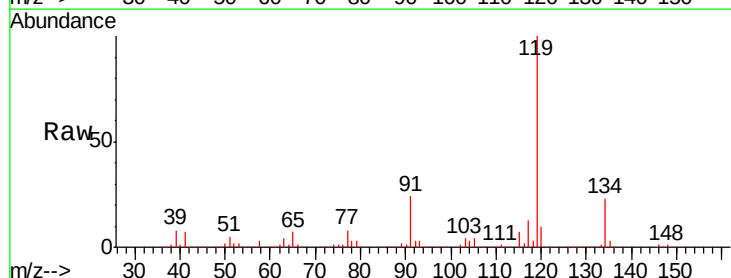
Tgt Ion:119 Resp: 2462067

Ion Ratio Lower Upper

119 100

134 23.1 12.9 38.6

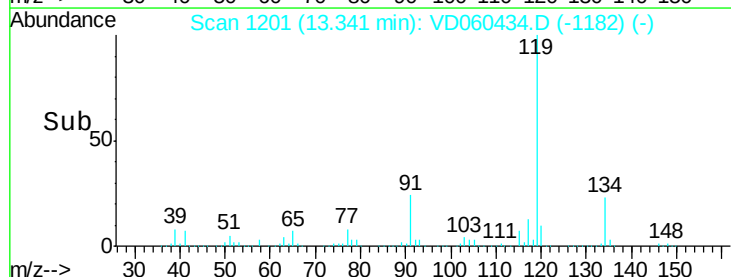
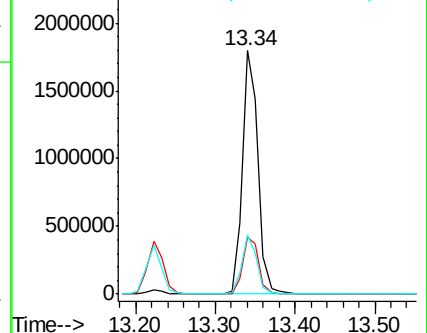
91 24.4 11.3 33.8

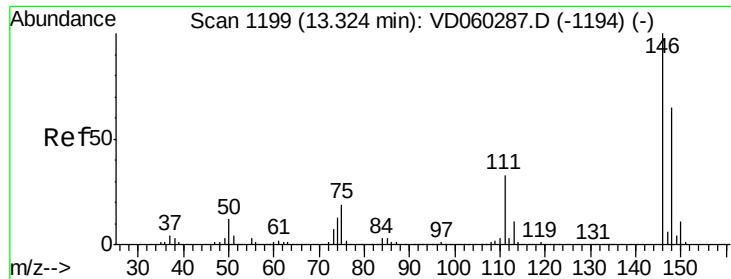


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

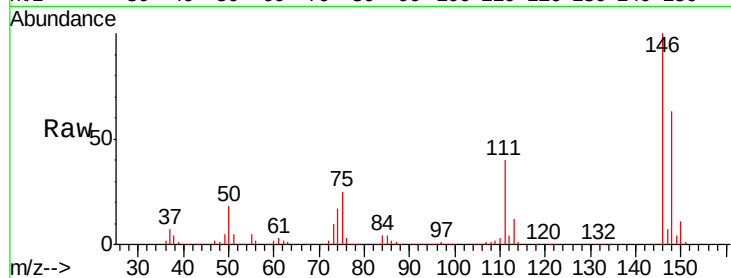




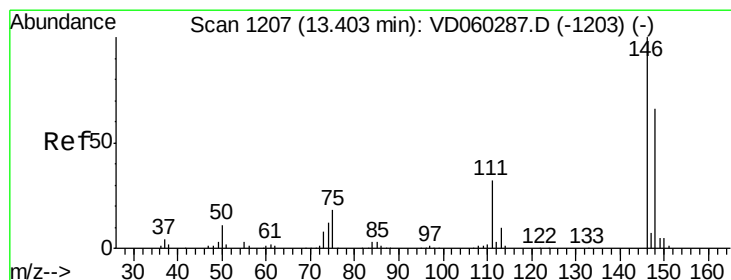
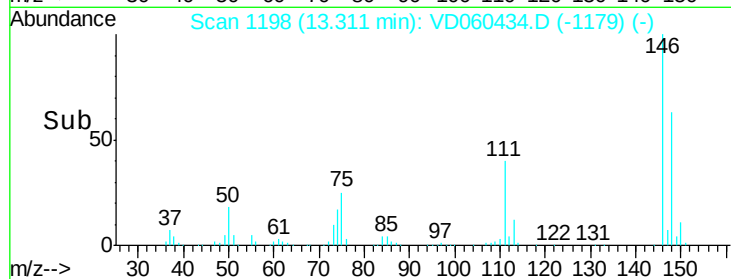
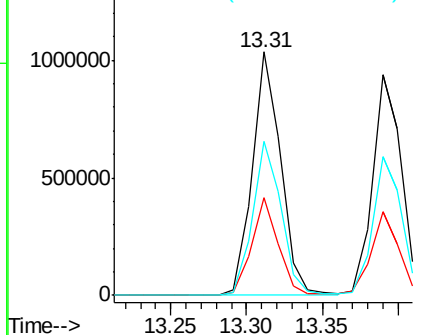
#87
 1,3-Dichlorobenzene
 Concen: 52.26 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 1357877
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.2 60.5
 148 63.4 32.0 96.0

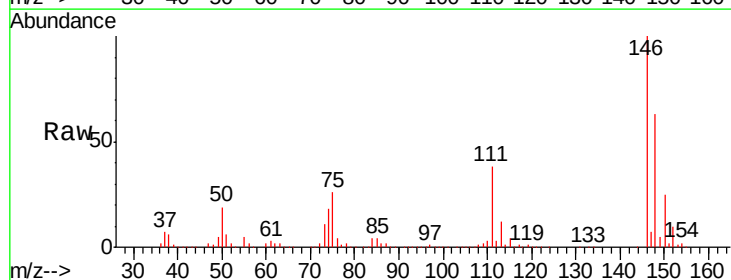


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

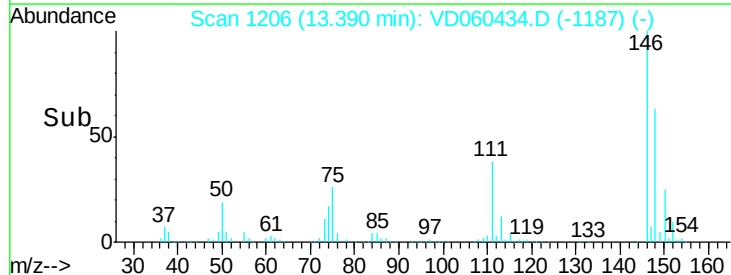
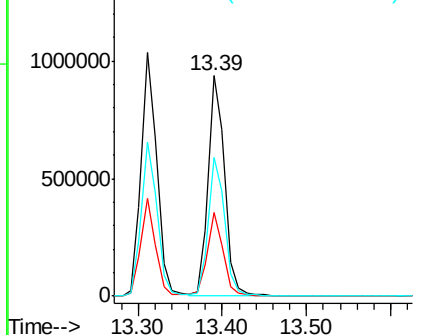


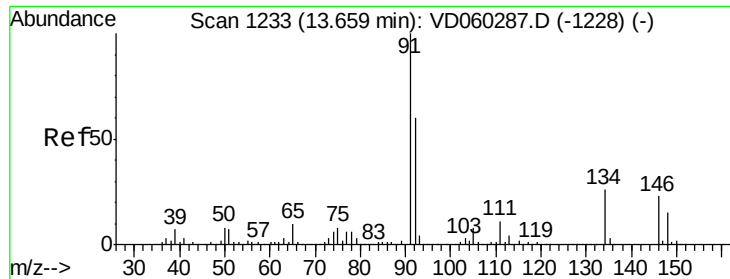
#88
 1,4-Dichlorobenzene
 Concen: 50.31 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Tgt Ion:146 Resp: 1276696
 Ion Ratio Lower Upper
 146 100
 111 37.9 16.0 47.9
 148 63.3 32.9 98.7



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

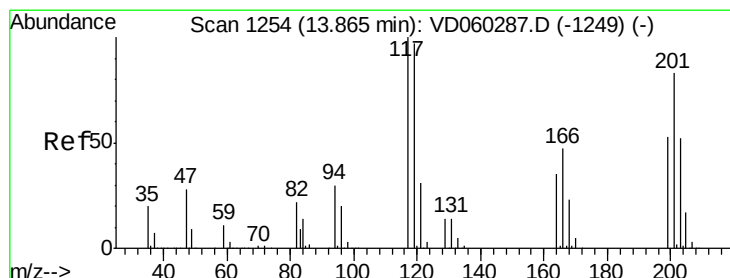
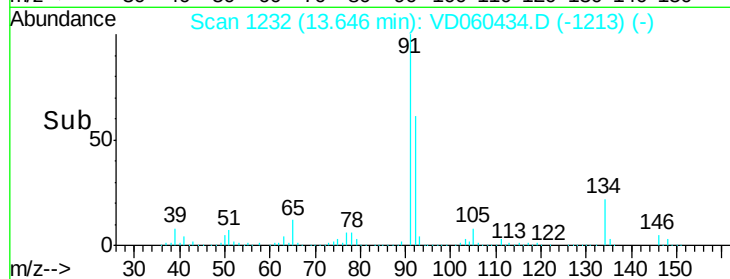
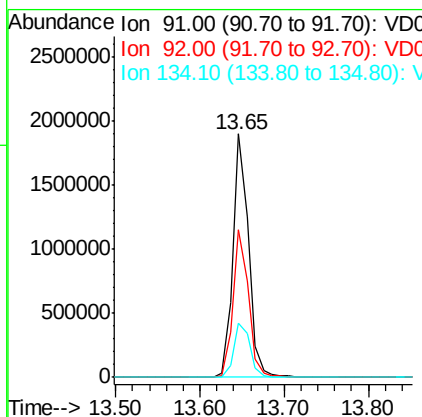
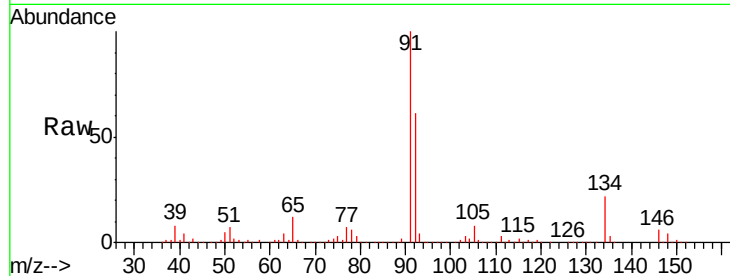




#89
n-Butylbenzene
Concen: 54.26 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

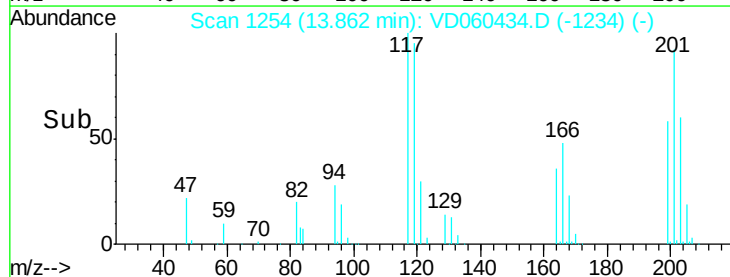
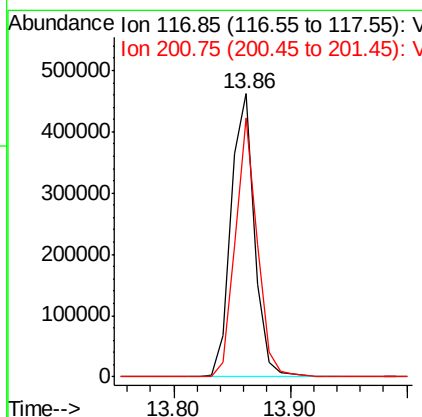
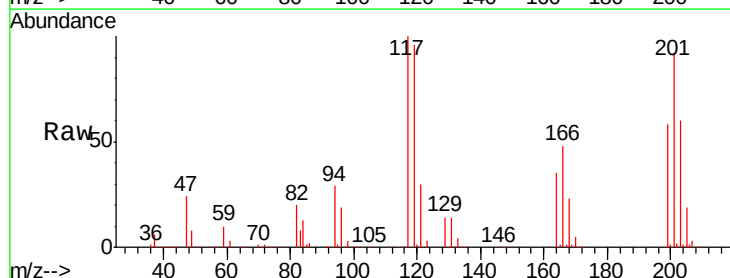
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

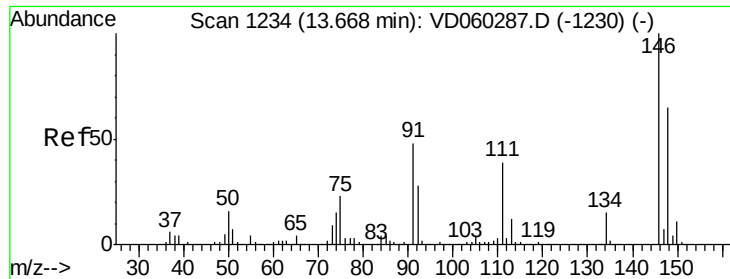
Tgt Ion: 91 Resp: 2437570
Ion Ratio Lower Upper
91 100
92 60.6 30.3 90.9
134 22.4 13.0 38.9



#90
Hexachloroethane
Concen: 57.82 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Tgt Ion: 117 Resp: 642601
Ion Ratio Lower Upper
117 100
201 91.7 40.1 120.3

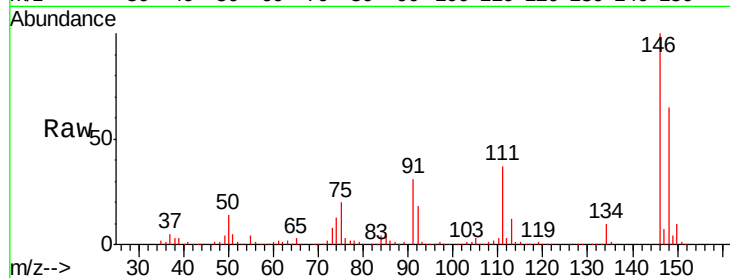




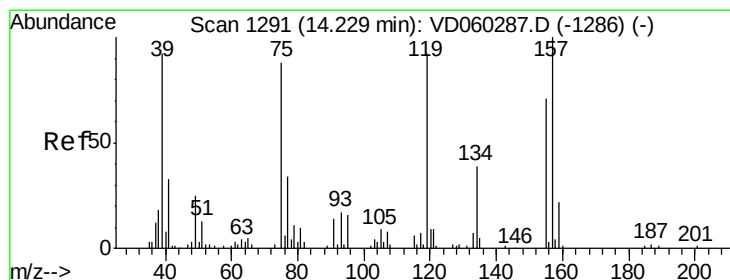
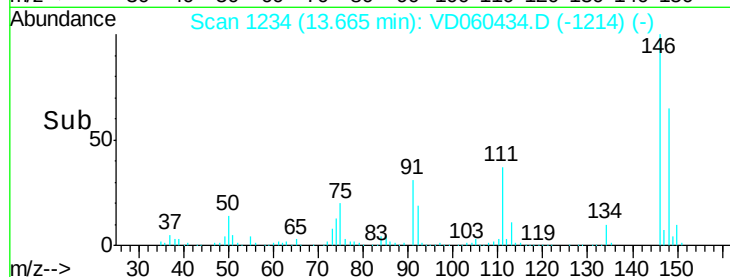
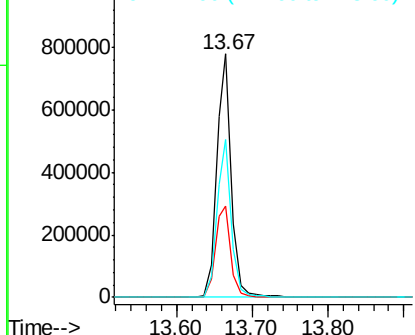
#91
 1,2-Dichlorobenzene
 Concen: 49.45 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 1055467
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.9 56.9
 148 64.8 31.6 94.8

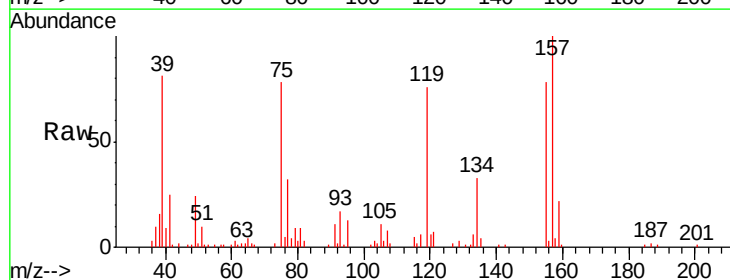


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

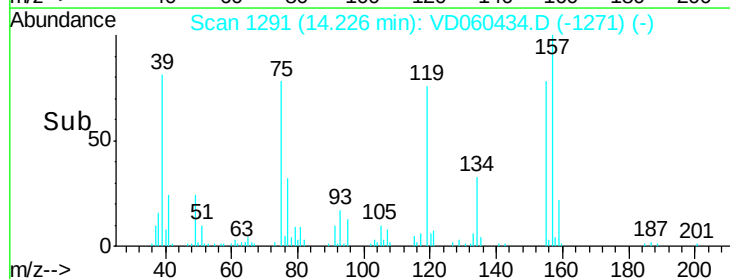
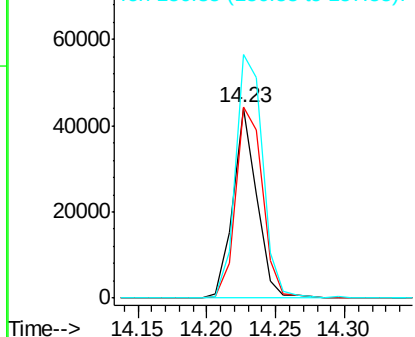


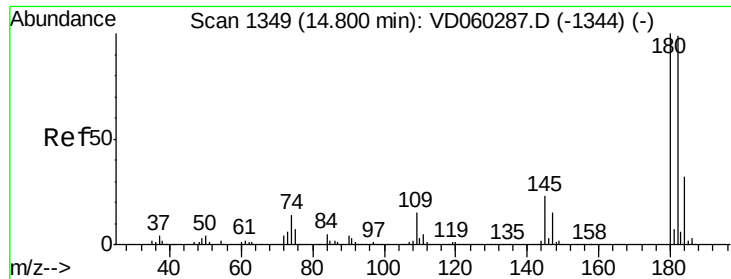
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.19 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Tgt Ion: 75 Resp: 53394
 Ion Ratio Lower Upper
 75 100
 155 100.6 64.3 192.9
 157 128.2 81.0 243.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

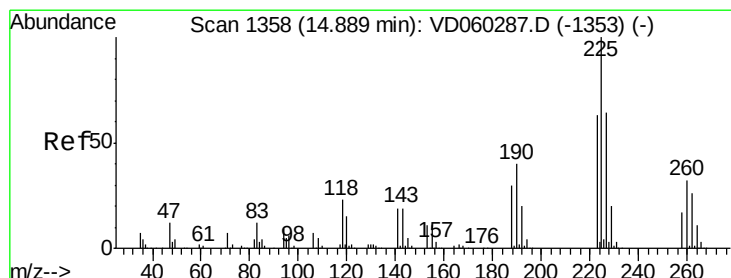
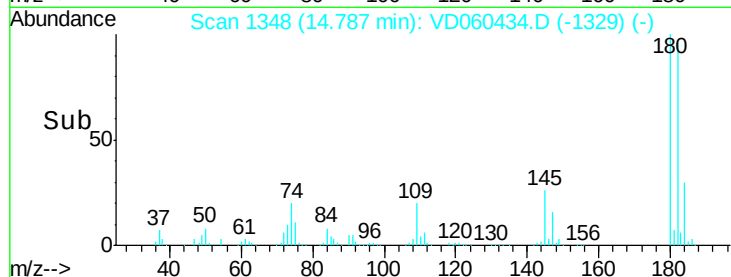
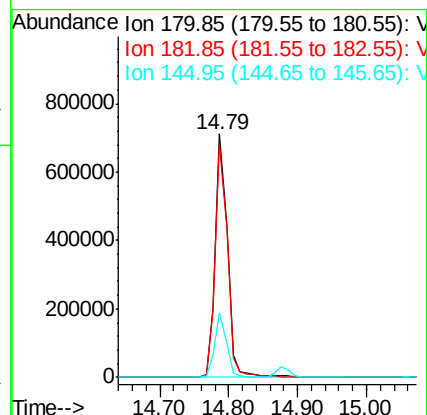
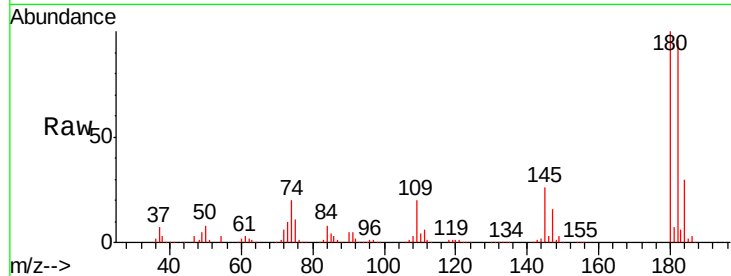




#93
 1,2,4-Trichlorobenzene
 Concen: 52.39 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

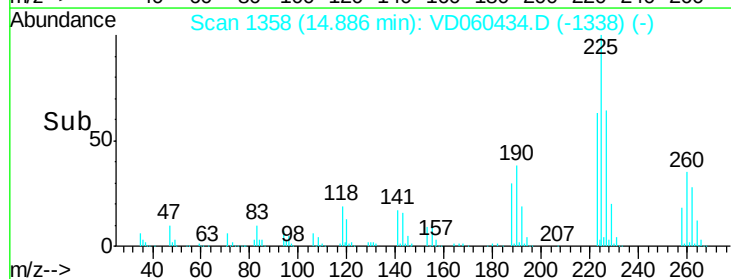
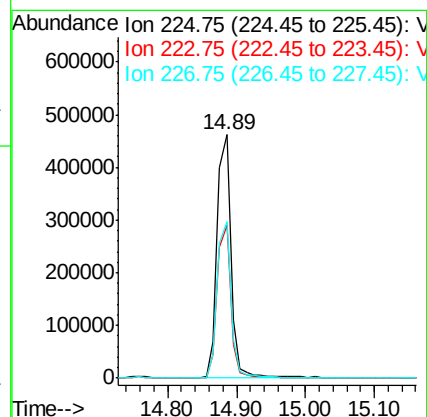
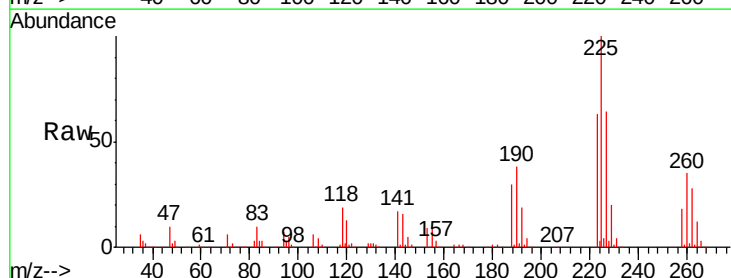
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

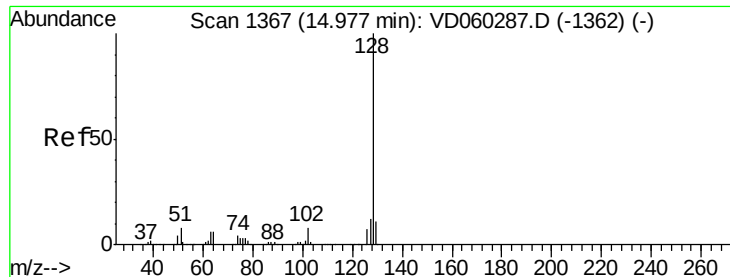
Tgt Ion:180 Resp: 886648
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.1 144.4
 145 26.3 11.5 34.4



#94
 Hexachlorobutadiene
 Concen: 51.60 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD060434.D
 Acq: 21 Nov 2018 10:57

Tgt Ion:225 Resp: 653078
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.6 94.8
 227 64.3 32.3 96.9

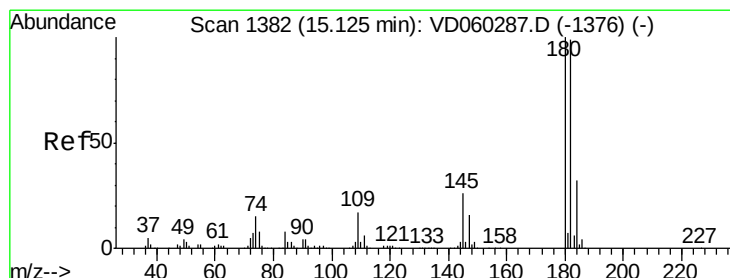
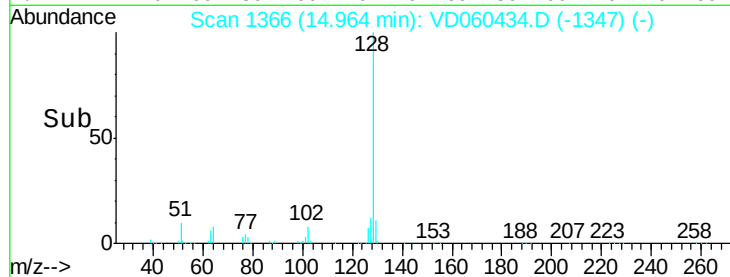
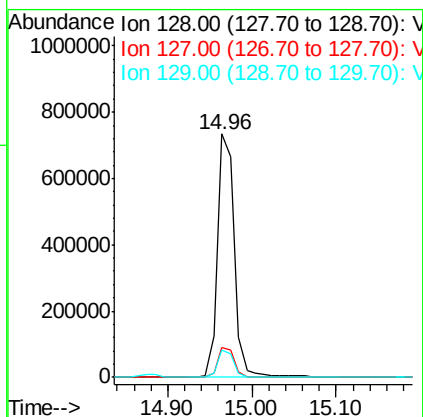
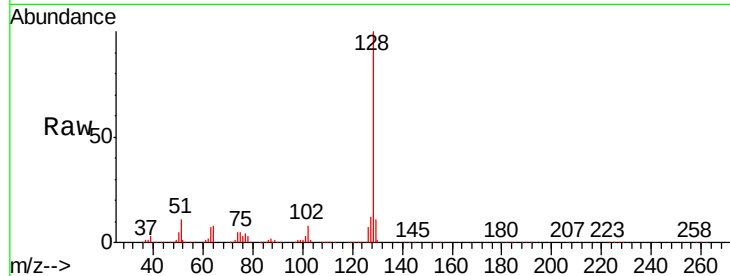




#95
Naphthalene
Concen: 49.34 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1019581
Ion Ratio Lower Upper
128 100
127 12.2 9.6 14.4
129 11.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 50.82 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060434.D
Acq: 21 Nov 2018 10:57

Tgt Ion:180 Resp: 689121
Ion Ratio Lower Upper
180 100
182 97.3 48.9 146.7
145 28.4 12.9 38.6

