

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111618\
 Data File : VD060399.D
 Acq On : 16 Nov 2018 15:42
 Operator : JC/SY
 Sample : J5918-04MSD
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

Quant Time: Nov 16 16:44:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1261618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	1856201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1393598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	679429	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	418140	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
35) Dibromofluoromethane	6.33	113	639002	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
50) Toluene-d8	9.47	98	1872416	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	
62) 4-Bromofluorobenzene	12.43	95	657462	44.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	509359	51.62	ug/l	97
3) Chloromethane	1.76	50	566015	47.36	ug/l	99
4) Vinyl Chloride	1.86	62	509354	52.19	ug/l	99
5) Bromomethane	2.16	94	182832	78.96	ug/l	96
6) Chloroethane	2.27	64	207906	64.20	ug/l	96
7) Trichlorofluoromethane	2.52	101	655617	56.98	ug/l	96
8) Diethyl Ether	2.83	74	121577	58.36	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.11	101	405854	53.63	ug/l	96
10) Methyl Iodide	3.25	142	516446	52.54	ug/l	99
11) Tert butyl alcohol	3.97	59	110522	297.95	ug/l #	91
12) 1,1-Dichloroethene	3.09	96	335103	54.44	ug/l	93
13) Acrolein	3.00	56	54544	124.44	ug/l	91
14) Allyl chloride	3.55	41	698775	59.33	ug/l	100
15) Acrylonitrile	4.10	53	574221	265.46	ug/l	99
16) Acetone	3.16	43	392463	250.46	ug/l	96
17) Carbon Disulfide	3.32	76	998885	50.27	ug/l	99
18) Methyl Acetate	3.57	43	203317	60.85	ug/l	98
19) Methyl tert-butyl Ether	4.13	73	1018084	55.23	ug/l	98
20) Methylene Chloride	3.73	84	898804	64.66	ug/l	99
21) trans-1,2-Dichloroethene	4.11	96	763191	55.84	ug/l	100
22) Diisopropyl ether	4.87	45	2445353	55.57	ug/l	98
23) Vinyl Acetate	4.82	43	5565686	254.18	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1273884	56.45	ug/l	100
25) 2-Butanone	5.63	43	783016	240.41	ug/l	99
26) 2,2-Dichloropropane	5.60	77	926652	52.82	ug/l	98
27) cis-1,2-Dichloroethene	5.61	96	784635	55.10	ug/l	95
28) Bromochloromethane	5.94	49	528551	53.08	ug/l	87
29) Tetrahydrofuran	5.96	42	408872	238.11	ug/l	96
30) Chloroform	6.12	83	1196941	53.06	ug/l	100
31) Cyclohexane	6.38	56	1093517	50.70	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	1052349	55.38	ug/l	99
36) 1,1-Dichloropropene	6.54	75	908756	49.55	ug/l	95
37) Ethyl Acetate	5.70	43	405330	48.03	ug/l	97
38) Carbon Tetrachloride	6.51	117	863625	50.77	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	993214	47.09	ug/l	99
40) Benzene	6.81	78	2442726	52.18	ug/l	99
41) Methacrylonitrile	5.96	41	456831	47.30	ug/l #	92
42) 1,2-Dichloroethane	6.90	62	616994	50.36	ug/l	99
43) Isopropyl Acetate	8.36	43	520033	49.06	ug/l #	98
44) Trichloroethene	7.75	130	789925	55.67	ug/l	98
45) 1,2-Dichloropropane	8.11	63	634324	53.73	ug/l	97
46) Dibromomethane	8.23	93	337044	48.74	ug/l	93
47) Bromodichloromethane	8.50	83	807581	49.56	ug/l	99
48) Methyl methacrylate	8.25	41	313437	48.68	ug/l	94
49) 1,4-Dioxane	8.23	88	58618	1052.22	ug/l #	83
51) 4-Methyl-2-Pentanone	9.35	43	1648388	238.93	ug/l	96
52) Toluene	9.56	92	1564751	52.33	ug/l	100
53) t-1,3-Dichloropropene	9.94	75	695866	50.55	ug/l	100
54) cis-1,3-Dichloropropene	9.12	75	896482	50.77	ug/l	96
55) 1,1,2-Trichloroethane	10.19	97	432645	49.92	ug/l	94
56) Ethyl methacrylate	10.04	69	425579	53.41	ug/l	97
57) 1,3-Dichloropropane	10.40	76	649998	49.22	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	1197989	248.64	ug/l	99
59) 2-Hexanone	10.50	43	1174399	238.83	ug/l	97
60) Dibromochloromethane	10.65	129	547378	51.96	ug/l	98
61) 1,2-Dibromoethane	10.77	107	451404	51.98	ug/l	98
64) Tetrachloroethene	10.26	164	667651	53.66	ug/l	96
65) Chlorobenzene	11.32	112	1714371	56.78	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	555288	56.21	ug/l	97
67) Ethyl Benzene	11.44	91	2767764	53.58	ug/l	96
68) m/p-Xylenes	11.58	106	2152766	112.98	ug/l	96
69) o-Xylene	11.94	106	1018372	55.32	ug/l	92
70) Styrene	11.96	104	1685325	56.65	ug/l	98
71) Bromoform	12.13	173	338949	51.06	ug/l	98
73) Isopropylbenzene	12.29	105	2854426	57.66	ug/l	98
74) N-amyl acetate	12.14	43	689614	54.34	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	418547	51.70	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	430604	52.98	ug/l	100
77) Bromobenzene	12.55	156	711898	54.14	ug/l	93
78) n-propylbenzene	12.65	91	3352706	54.26	ug/l	95
79) 2-Chlorotoluene	12.71	91	1920816	56.76	ug/l	97
80) 1,3,5-Trimethylbenzene	12.80	105	2205311	57.33	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	121523	52.52	ug/l	88
82) 4-Chlorotoluene	12.82	91	2147647	56.50	ug/l	92
83) tert-Butylbenzene	13.05	119	2506959	58.70	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	2215250	57.66	ug/l	95
85) sec-Butylbenzene	13.23	105	2846338	54.32	ug/l	97
86) p-Isopropyltoluene	13.35	119	2379714	56.39	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	1307693	55.90	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	1272857	55.71	ug/l	95
89) n-Butylbenzene	13.66	91	2183664	53.93	ug/l	99
90) Hexachloroethane	13.86	117	556040	55.57	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	1055205	54.92	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.24	75	53689	54.94	ug/l	87

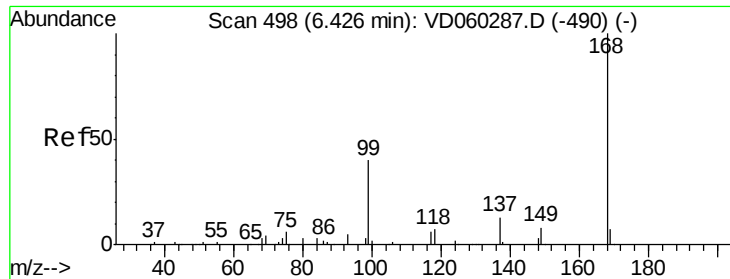
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD111618\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	775052	50.87	ug/l	98
94) Hexachlorobutadiene	14.89	225	479474	42.08	ug/l	99
95) Naphthalene	14.97	128	1050830	56.49	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	647020	53.00	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

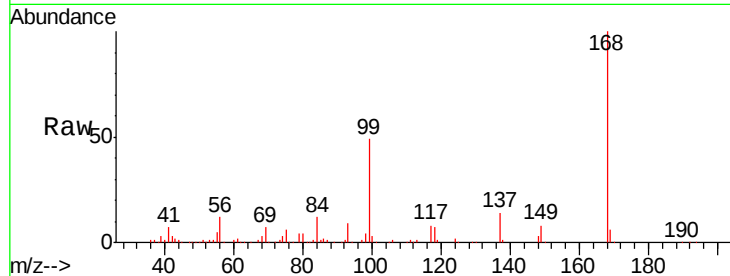
FDSB-05(25-27)MSD

Tgt Ion:168 Resp: 1261618

Ion Ratio Lower Upper

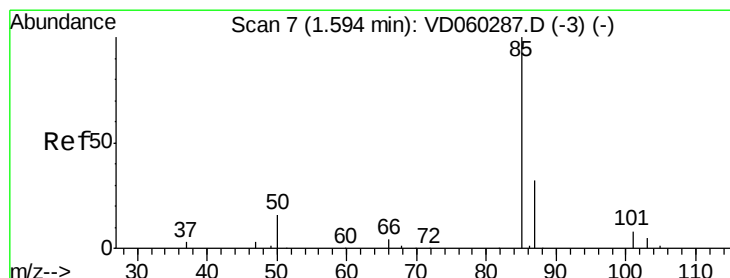
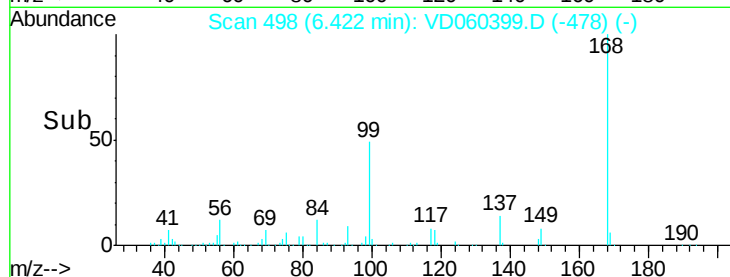
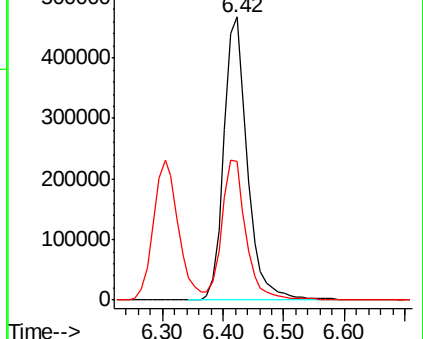
168 100

99 49.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.62 ug/l

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060399.D

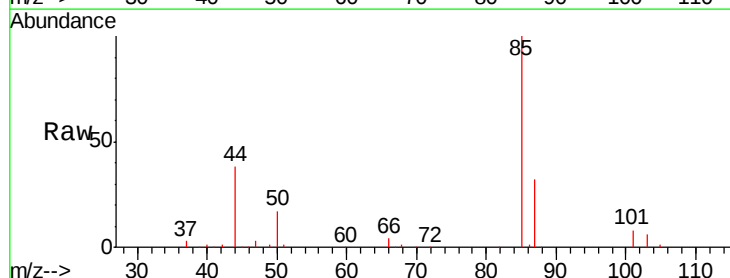
Acq: 16 Nov 2018 15:42

Tgt Ion: 85 Resp: 509359

Ion Ratio Lower Upper

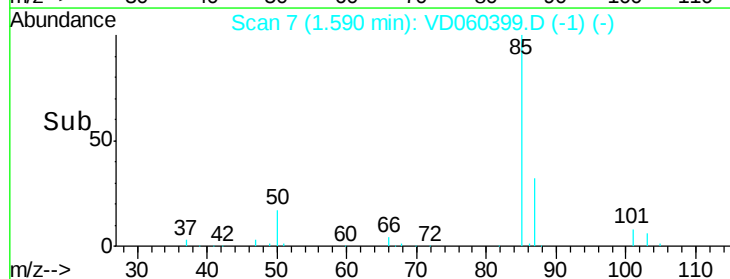
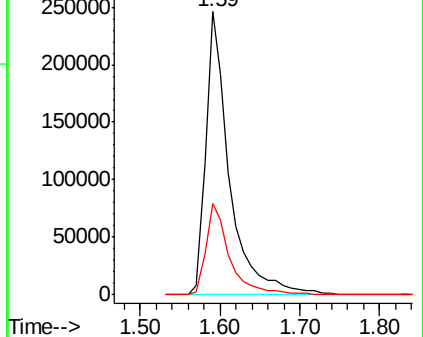
85 100

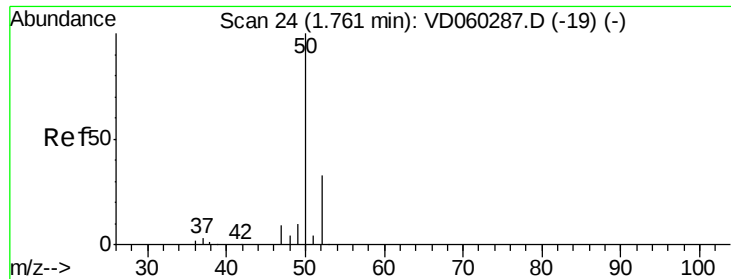
87 32.1 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.36 ug/l

RT: 1.76 min Scan# 24

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

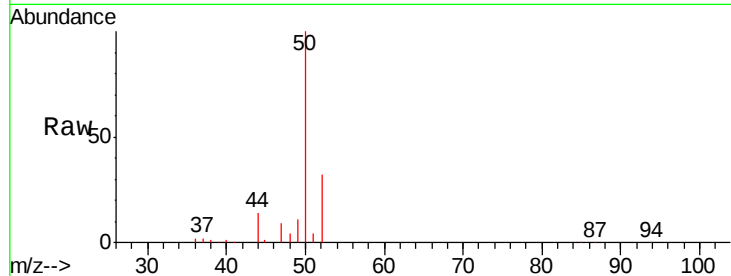
FDSB-05(25-27)MSD

Tgt Ion: 50 Resp: 566015

Ion Ratio Lower Upper

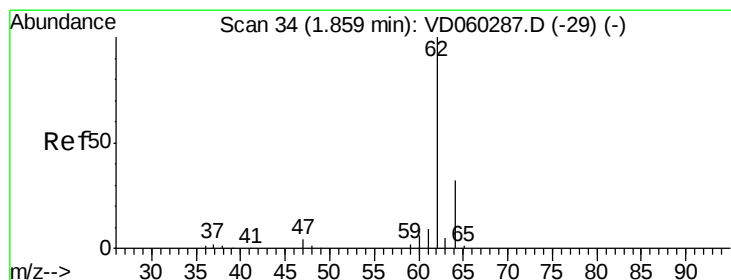
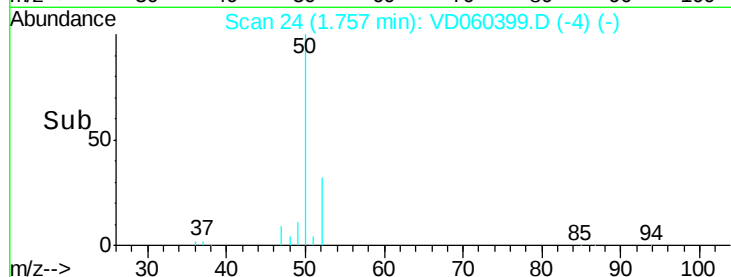
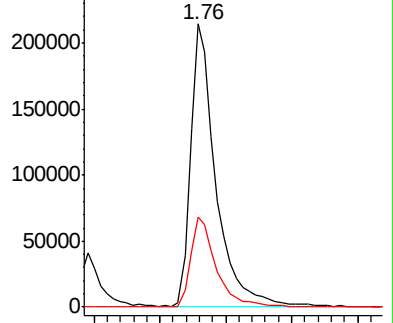
50 100

52 31.8 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.19 ug/l

RT: 1.86 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD060399.D

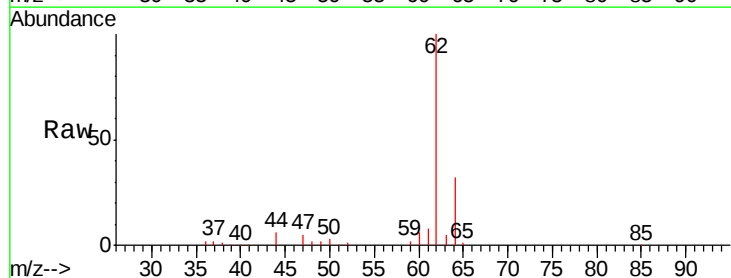
Acq: 16 Nov 2018 15:42

Tgt Ion: 62 Resp: 509354

Ion Ratio Lower Upper

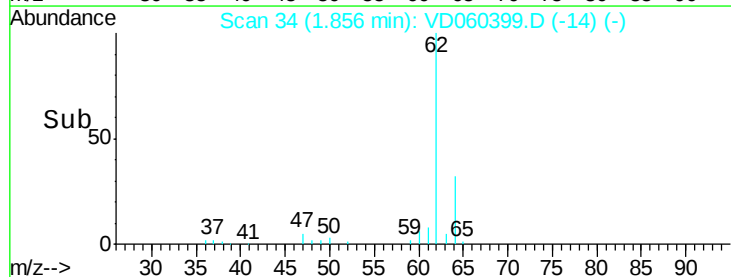
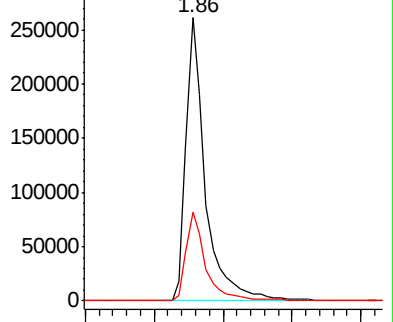
62 100

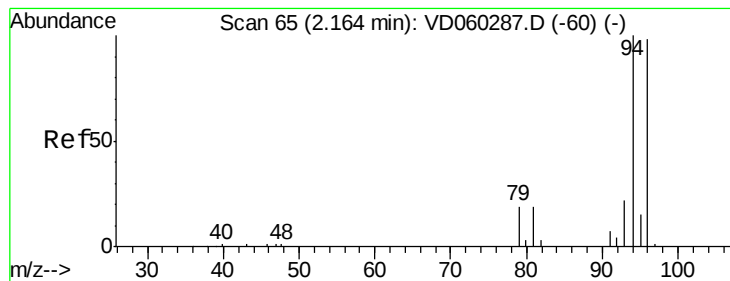
64 31.6 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 78.96 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

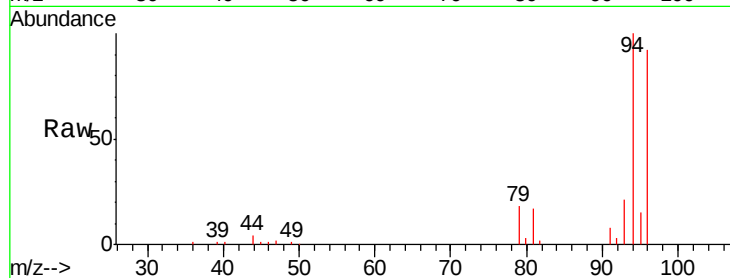
FDSB-05(25-27)MSD

Tgt Ion: 94 Resp: 182832

Ion Ratio Lower Upper

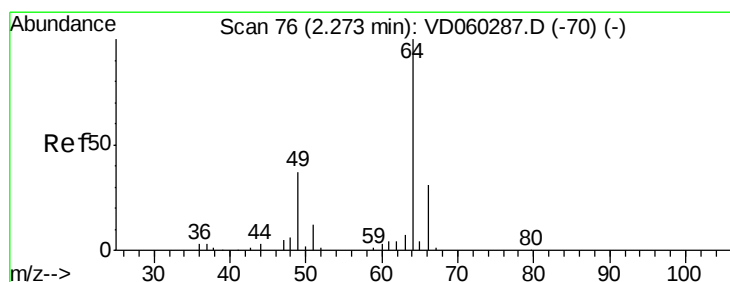
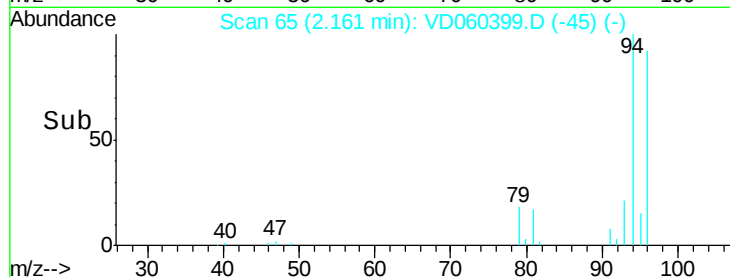
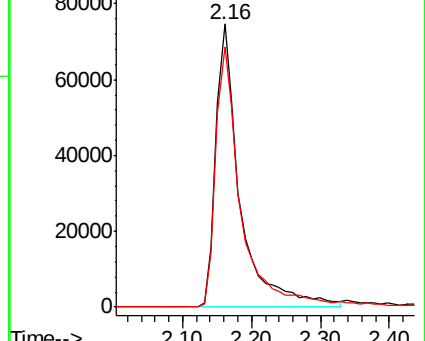
94 100

96 92.1 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: 64.20 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060399.D

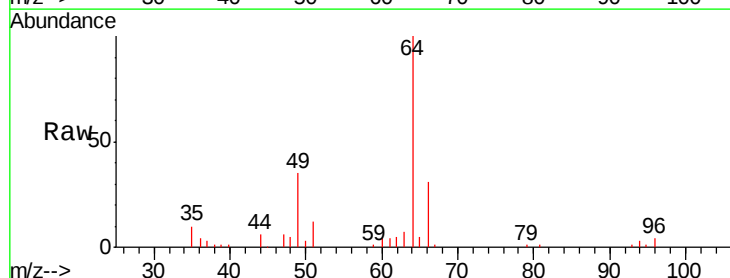
Acq: 16 Nov 2018 15:42

Tgt Ion: 64 Resp: 207906

Ion Ratio Lower Upper

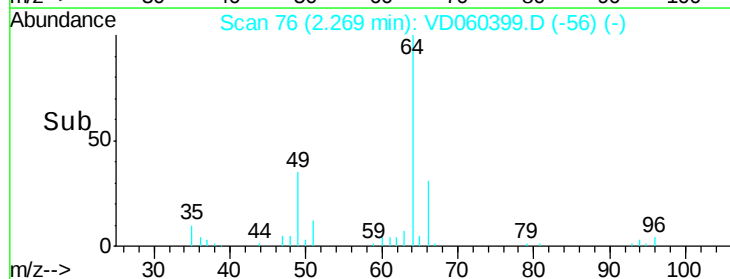
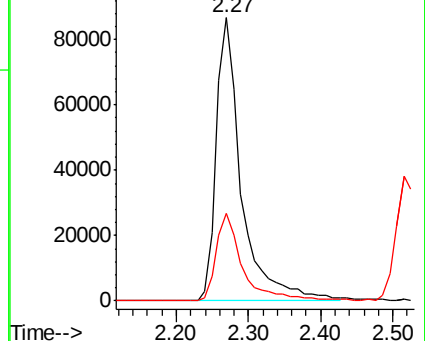
64 100

66 30.9 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



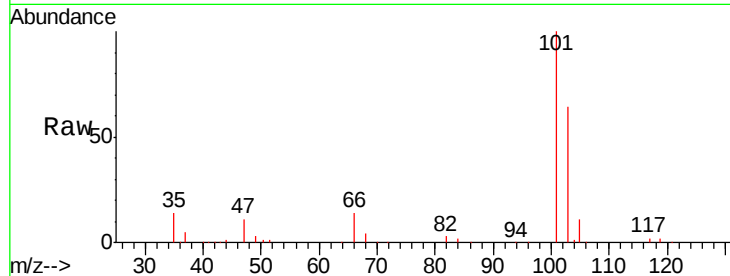


#7

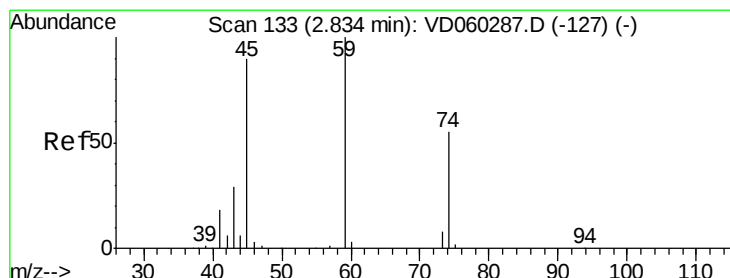
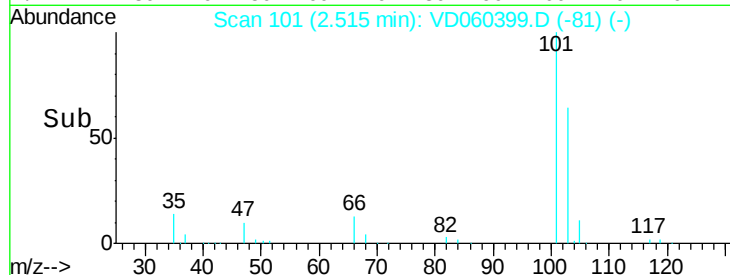
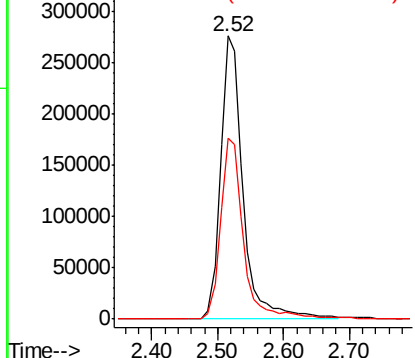
Trichlorofluoromethane
 Concen: 56.98 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

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 ClientSampleId :
 FDSB-05(25-27)MSD

Tgt Ion: 101 Resp: 655617
 Ion Ratio Lower Upper
 101 100
 103 64.1 53.6 80.4



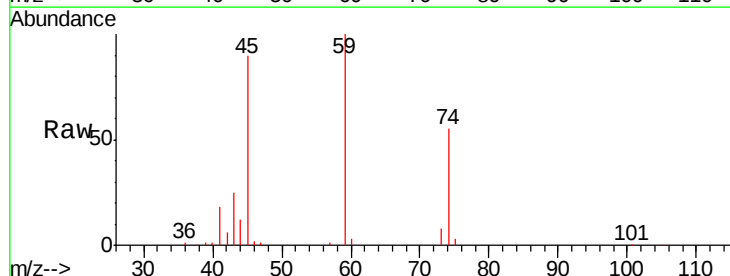
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



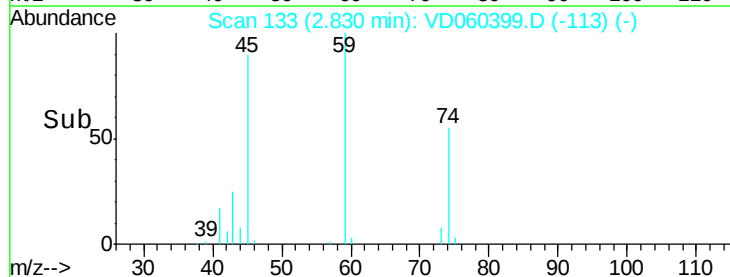
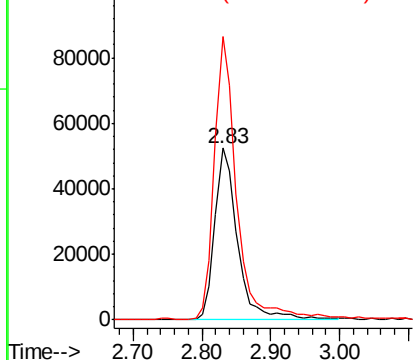
#8

Diethyl Ether
 Concen: 58.36 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

Tgt Ion: 74 Resp: 121577
 Ion Ratio Lower Upper
 74 100
 45 164.9 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: 53.63 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

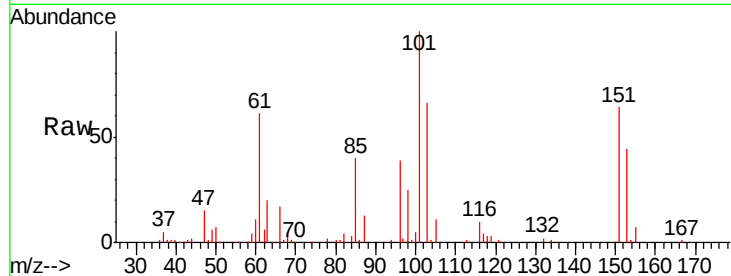
Tgt Ion:101 Resp: 405854

Ion Ratio Lower Upper

101 100

85 39.9 31.4 47.0

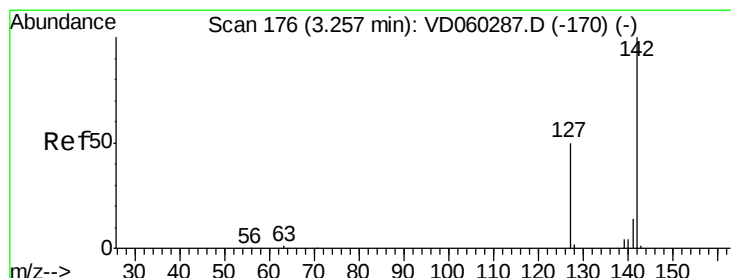
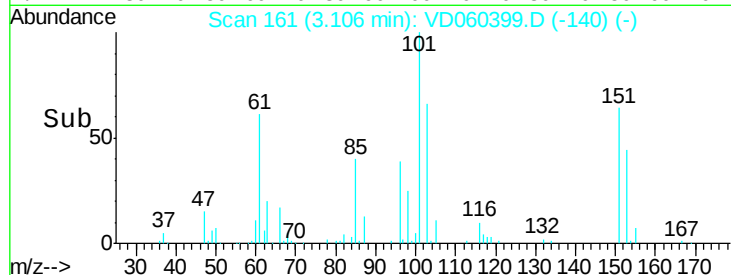
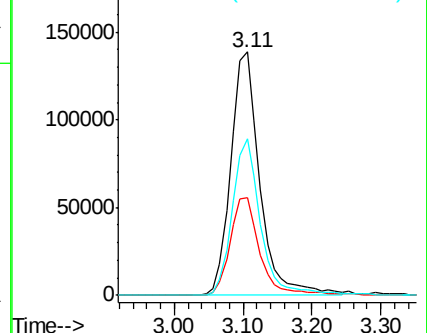
151 64.1 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 52.54 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

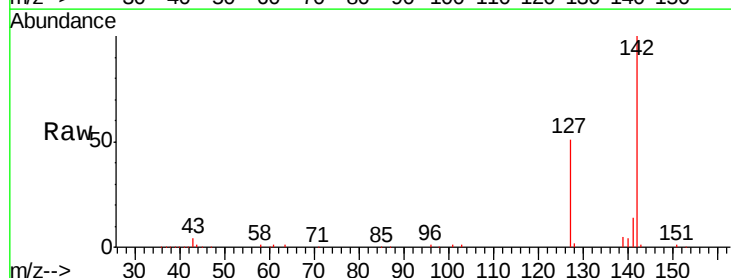
Tgt Ion:142 Resp: 516446

Ion Ratio Lower Upper

142 100

127 51.2 41.0 61.6

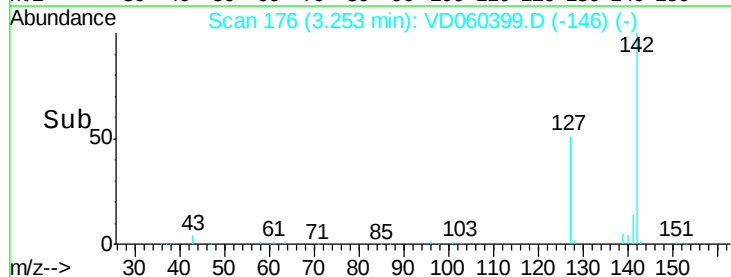
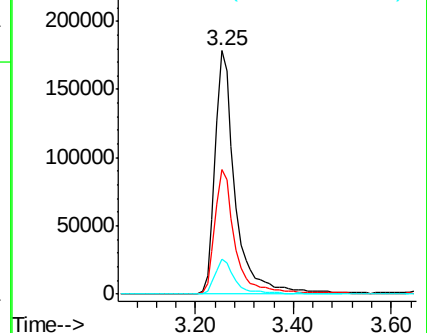
141 14.2 11.9 17.9

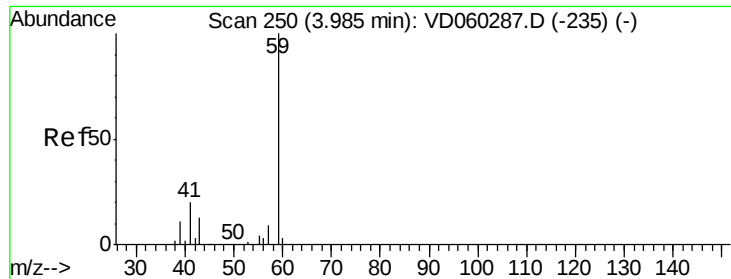


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



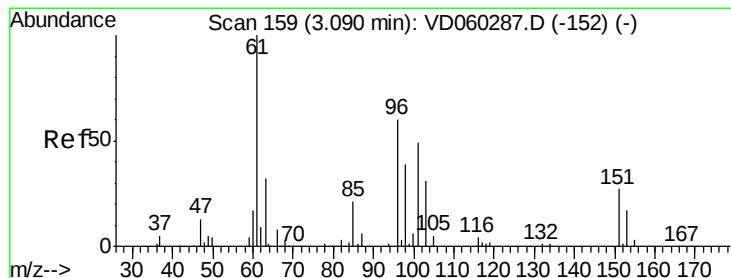
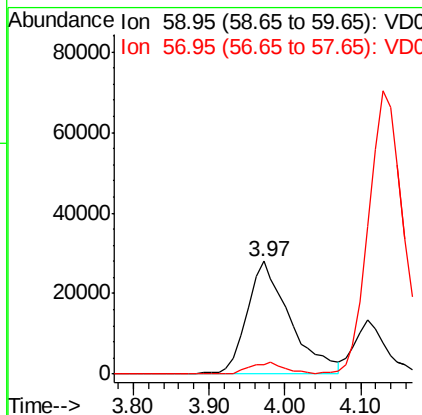
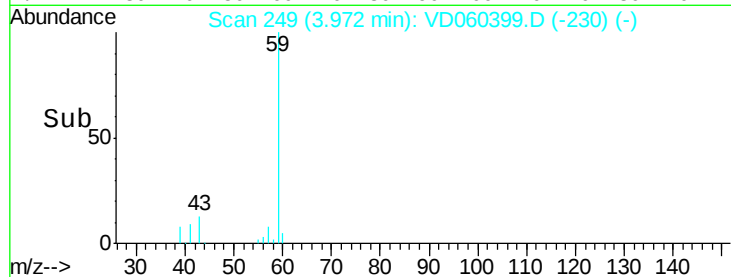
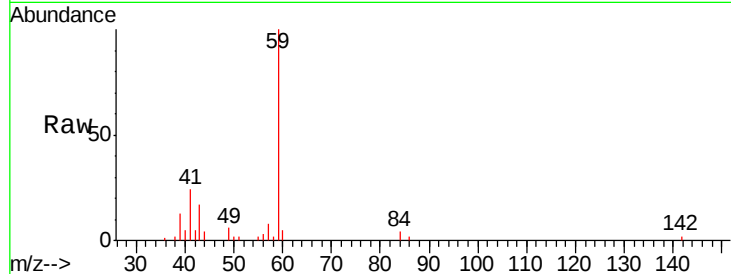


#11

Tert butyl alcohol
 Concen: 297.95 ug/l
 RT: 3.97 min Scan# 249
 Delta R.T. -0.01 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

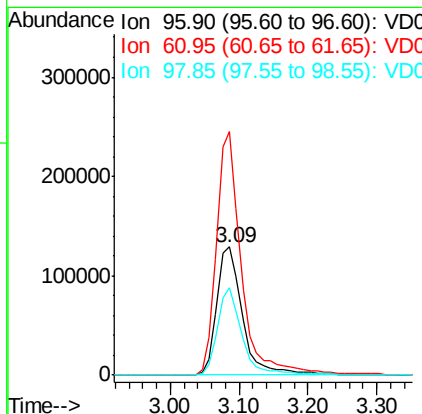
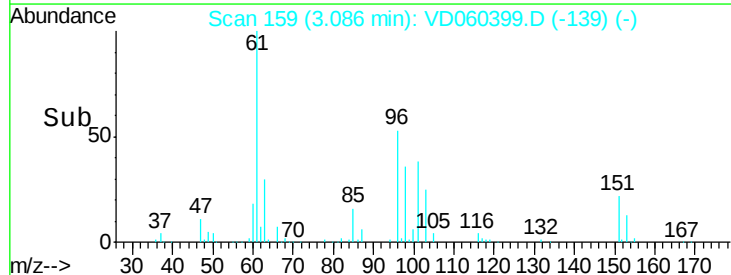
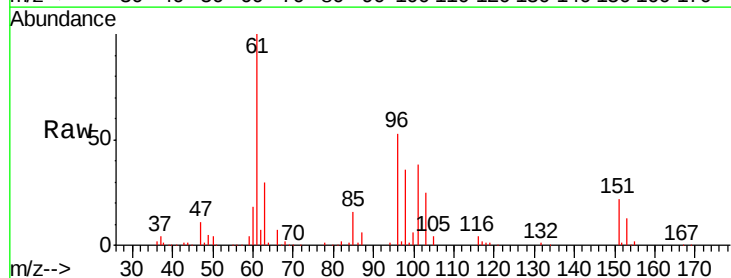
Tgt Ion: 59 Resp: 110522
 Ion Ratio Lower Upper
 59 100
 57 8.2 9.3 13.9#

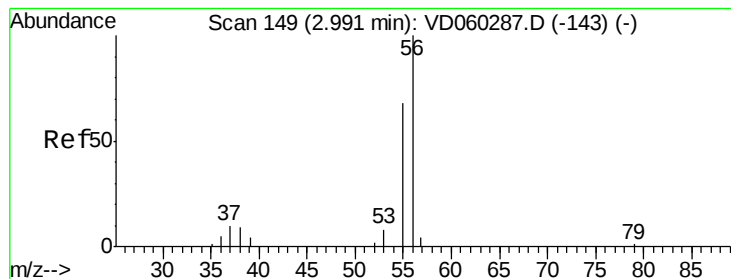


#12

1,1-Dichloroethene
 Concen: 54.44 ug/l
 RT: 3.09 min Scan# 159
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

Tgt Ion: 96 Resp: 335103
 Ion Ratio Lower Upper
 96 100
 61 190.1 142.2 213.4
 98 68.6 52.6 79.0





#13

Acrolein

Concen: 124.44 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

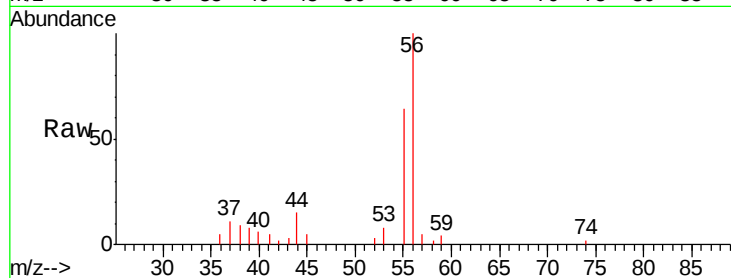
FDSB-05(25-27)MSD

Tgt Ion: 56 Resp: 54544

Ion Ratio Lower Upper

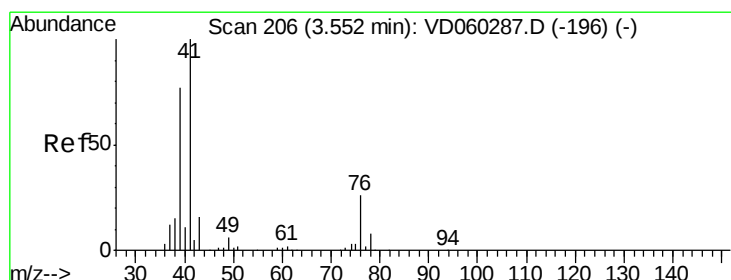
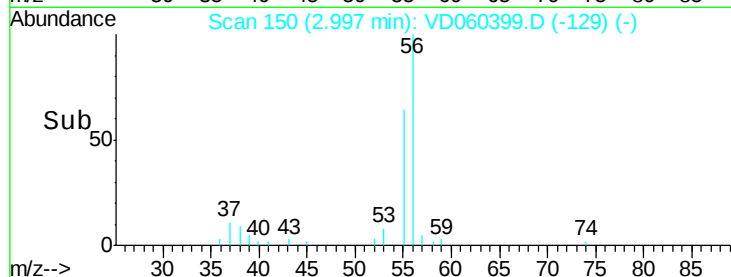
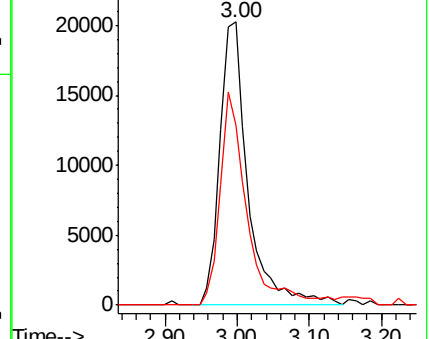
56 100

55 63.5 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: 59.33 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

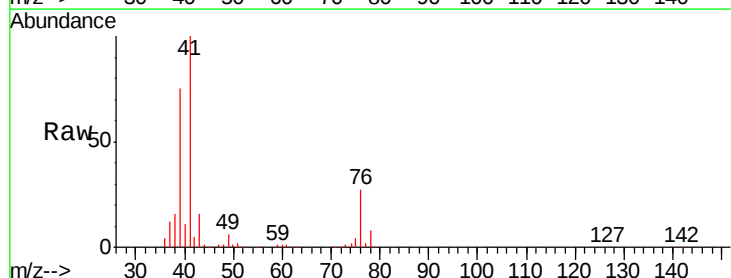
Tgt Ion: 41 Resp: 698775

Ion Ratio Lower Upper

41 100

39 75.3 60.4 90.6

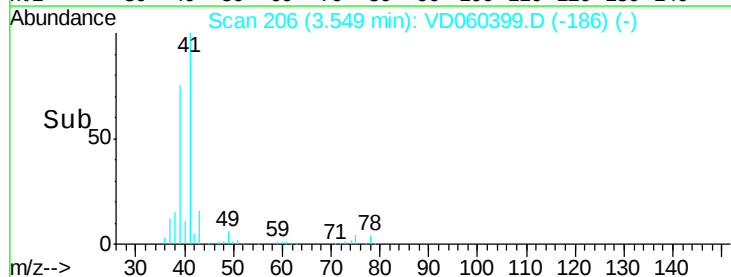
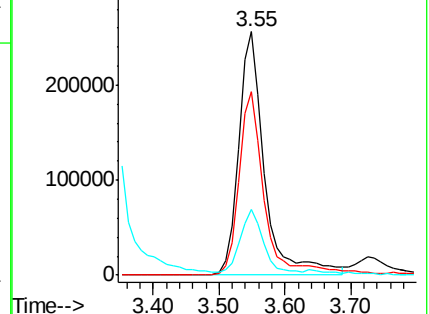
76 26.9 21.8 32.8



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: 265.46 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

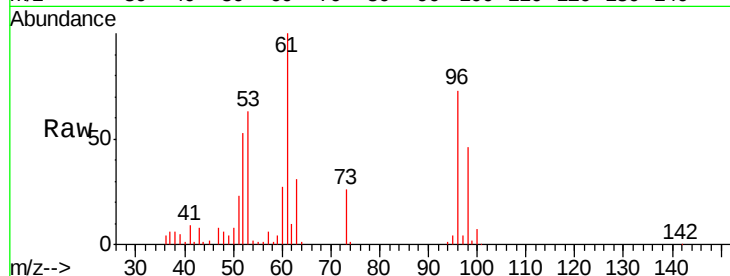
Tgt Ion: 53 Resp: 574221

Ion Ratio Lower Upper

53 100

52 84.6 67.0 100.4

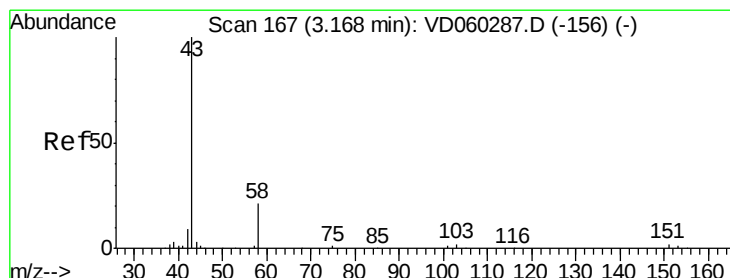
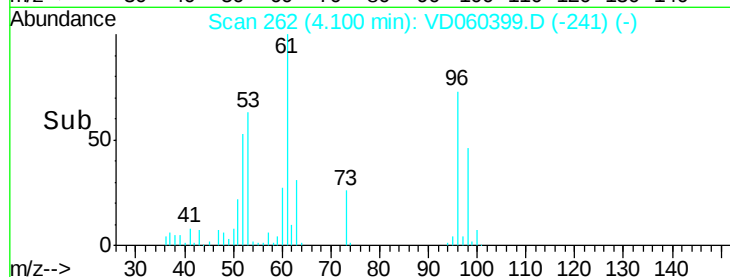
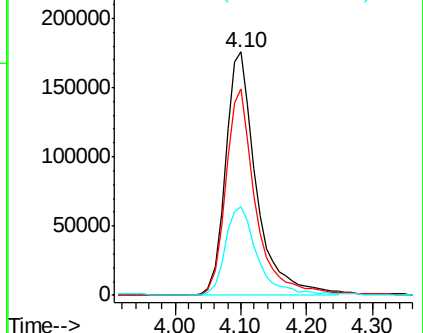
51 36.3 29.9 44.9



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: 250.46 ug/l

RT: 3.16 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060399.D

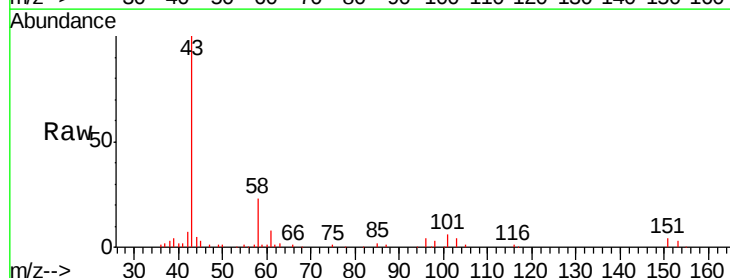
Acq: 16 Nov 2018 15:42

Tgt Ion: 43 Resp: 392463

Ion Ratio Lower Upper

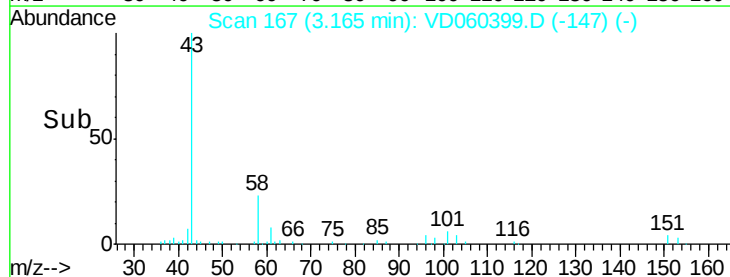
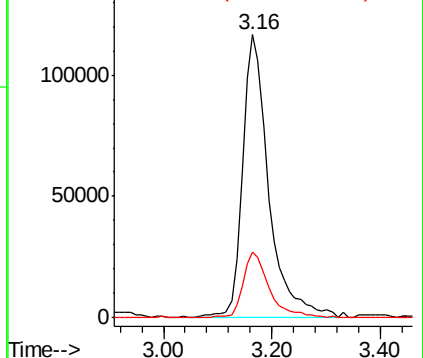
43 100

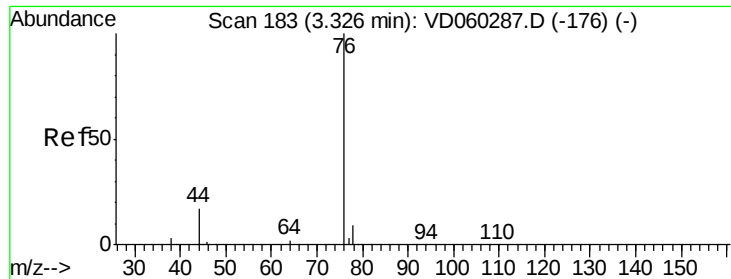
58 23.2 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

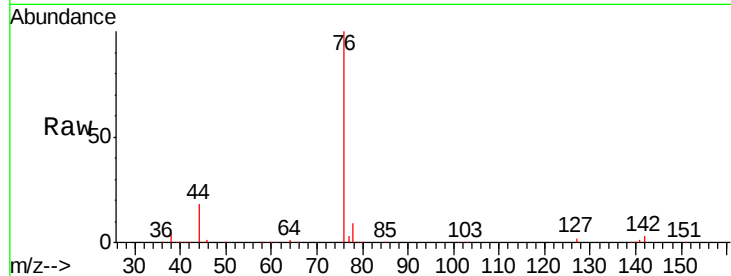




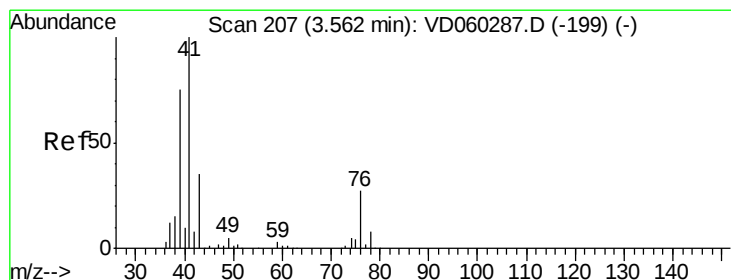
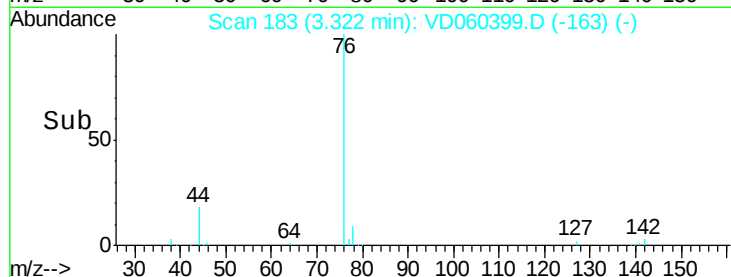
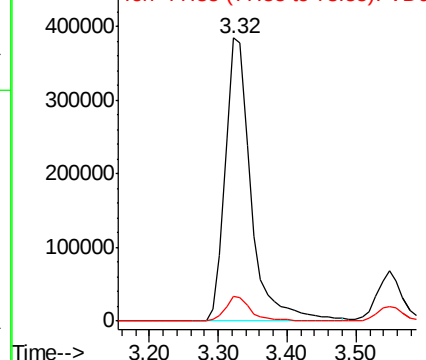
#17
Carbon Disulfide
Concen: 50.27 ug/l
RT: 3.32 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MSD

Tgt Ion: 76 Resp: 998885
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4

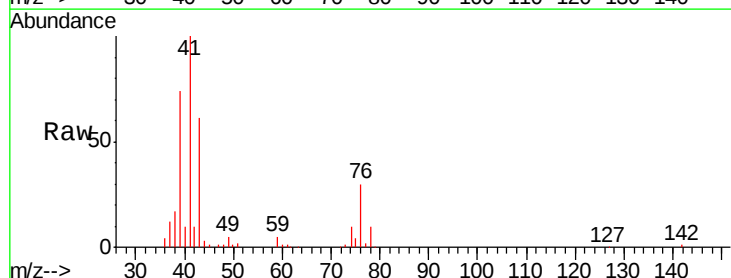


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

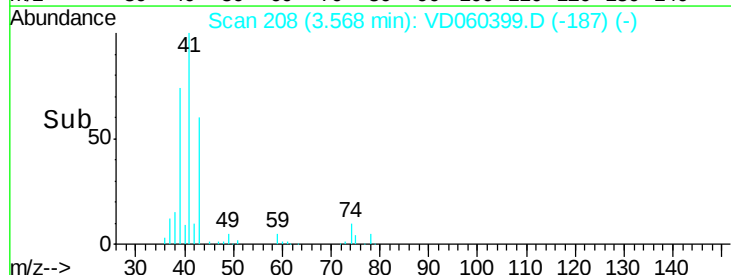
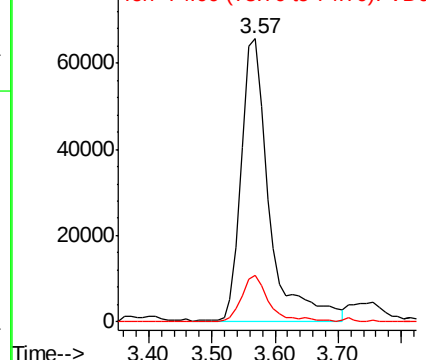


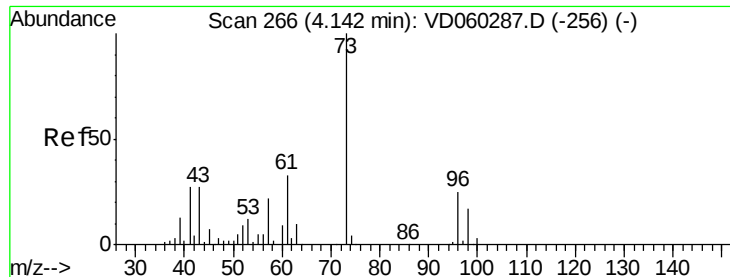
#18
Methyl Acetate
Concen: 60.85 ug/l
RT: 3.57 min Scan# 208
Delta R.T. 0.01 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

Tgt Ion: 43 Resp: 203317
Ion Ratio Lower Upper
43 100
74 16.4 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: 55.23 ug/l

RT: 4.13 min Scan# 265

Delta R.T. -0.01 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

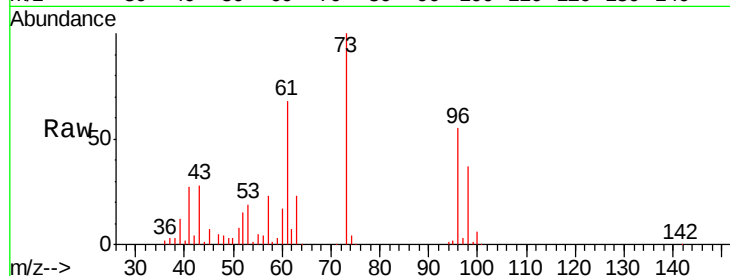
FDSB-05(25-27)MSD

Tgt Ion: 73 Resp: 1018084

Ion Ratio Lower Upper

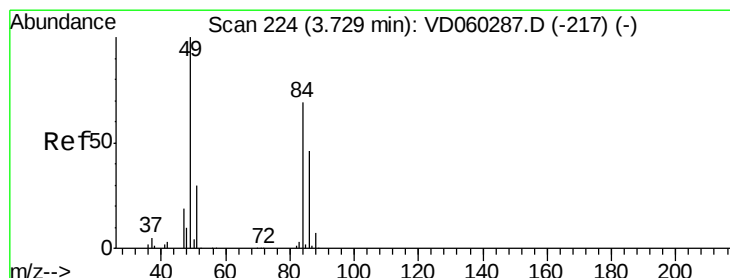
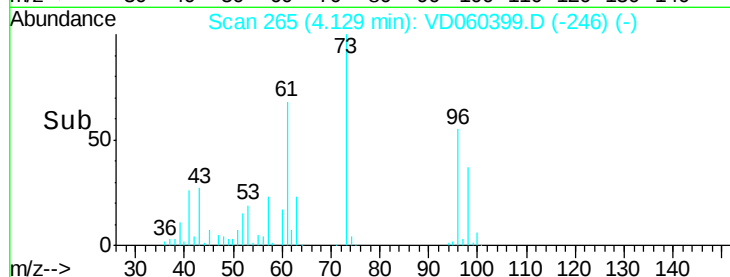
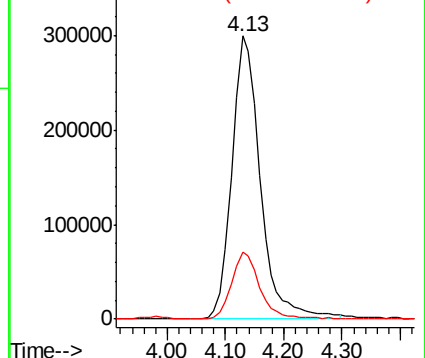
73 100

57 23.5 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride

Concen: 64.66 ug/l

RT: 3.73 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Tgt Ion: 84 Resp: 898804

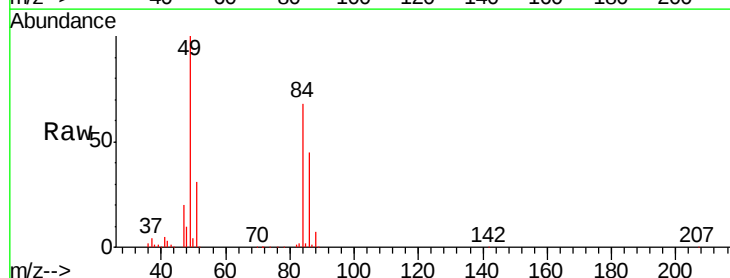
Ion Ratio Lower Upper

84 100

49 146.3 115.6 173.4

51 44.9 35.6 53.4

86 65.1 52.3 78.5

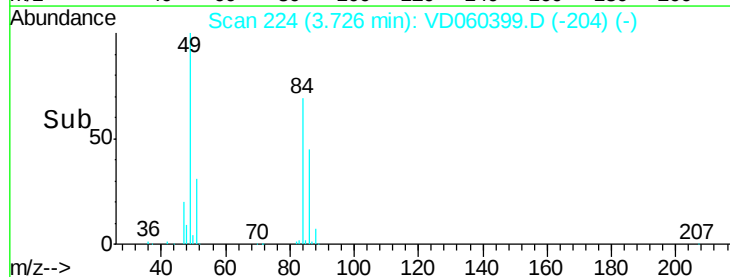
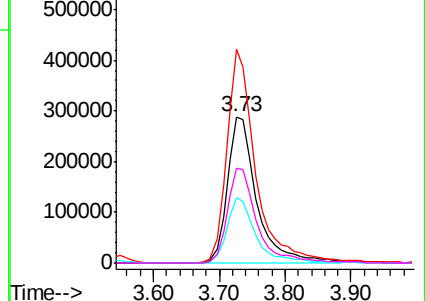


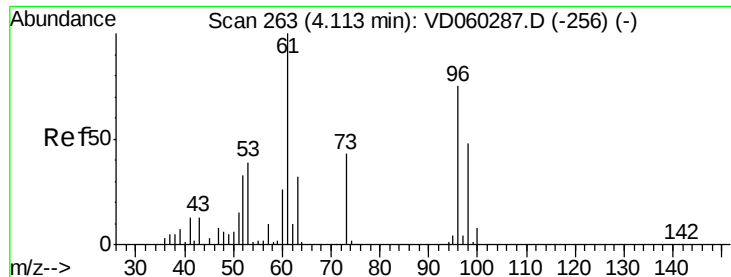
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 55.84 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

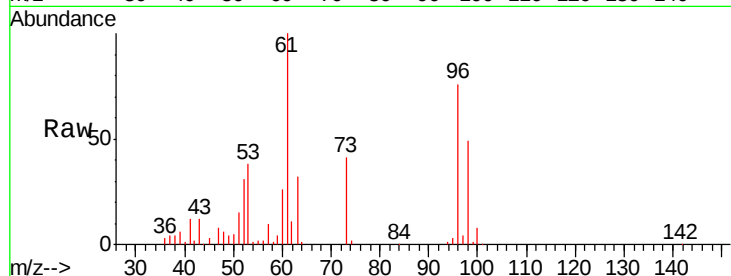
Tgt Ion: 96 Resp: 763191

Ion Ratio Lower Upper

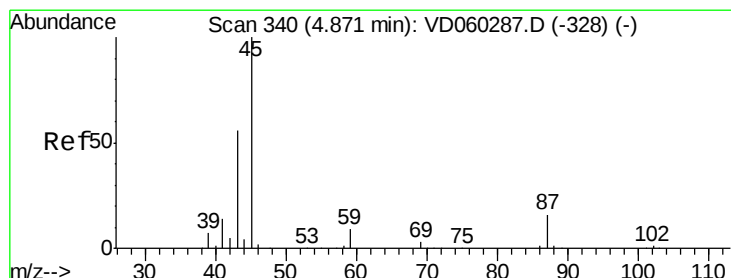
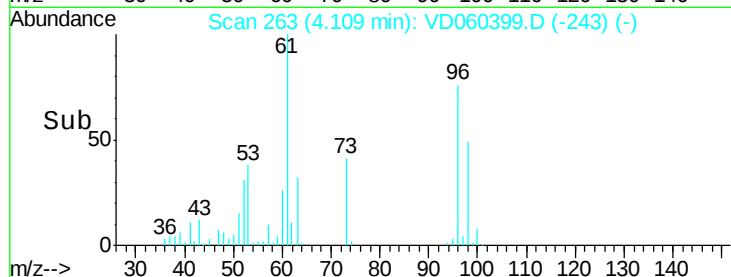
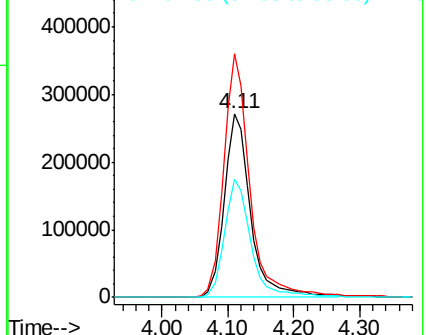
96 100

61 132.4 105.8 158.6

98 64.3 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: 55.57 ug/l

RT: 4.87 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Tgt Ion: 45 Resp: 2445353

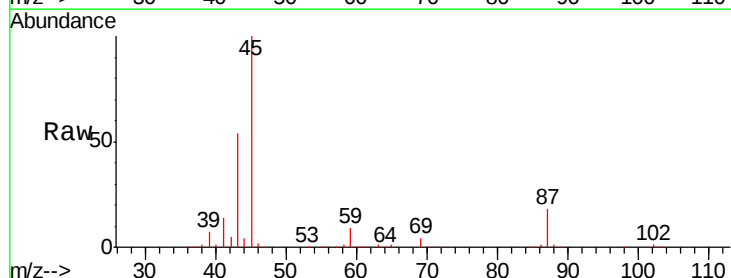
Ion Ratio Lower Upper

45 100

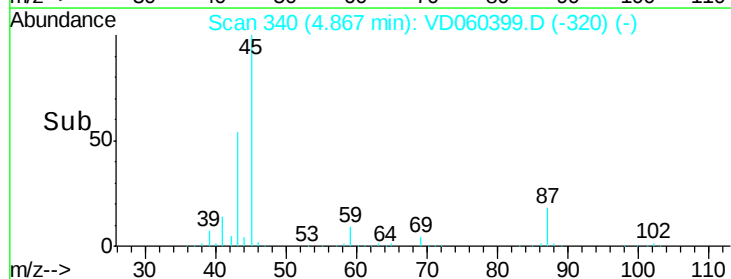
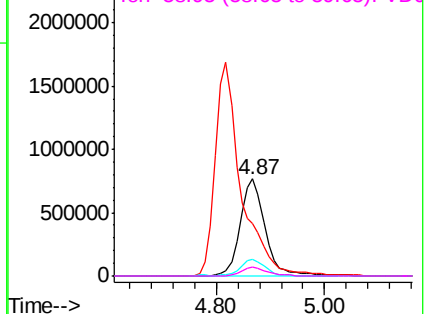
43 54.0 44.9 67.3

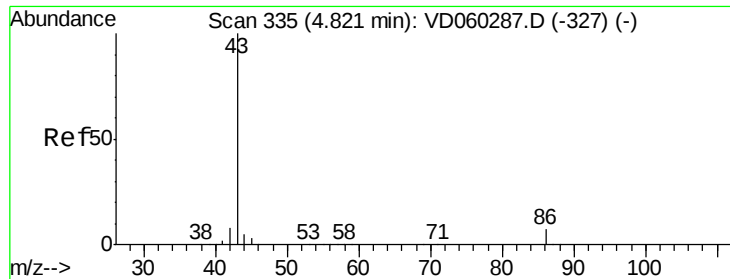
87 17.7 13.9 20.9

59 9.2 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: 254.18 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

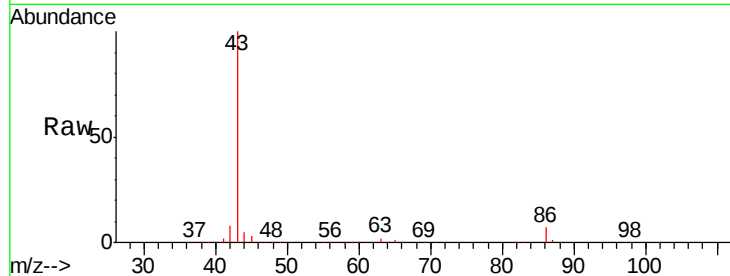
FDSB-05(25-27)MSD

Tgt Ion: 43 Resp: 5565686

Ion Ratio Lower Upper

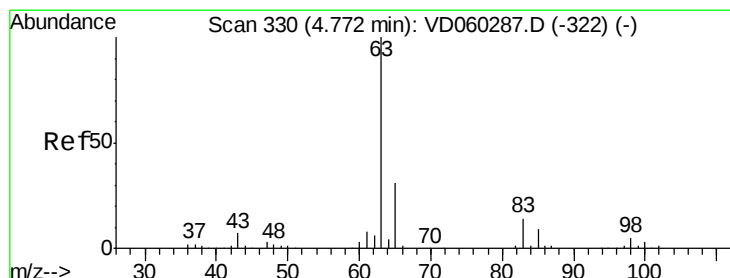
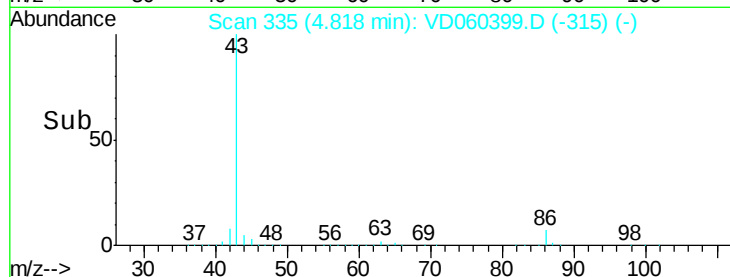
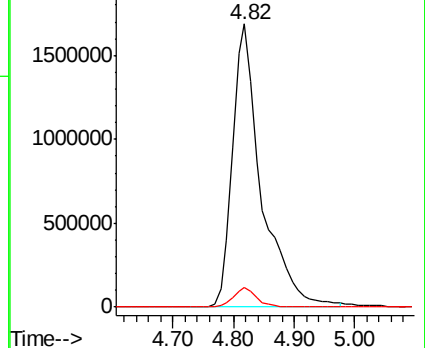
43 100

86 6.9 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VD060399.D (-315) (-)

Ion 86.00 (85.70 to 86.70): VD060399.D (-315) (-)



#24

1,1-Dichloroethane

Concen: 56.45 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

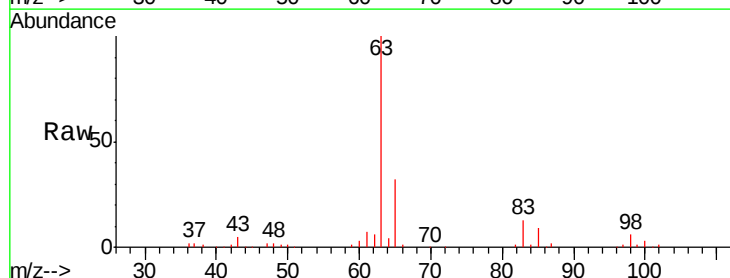
Tgt Ion: 63 Resp: 1273884

Ion Ratio Lower Upper

63 100

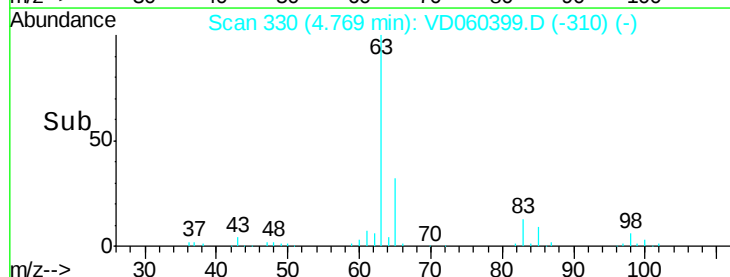
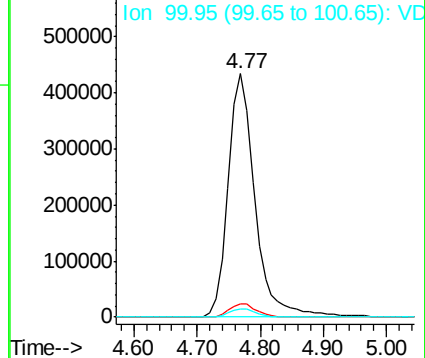
98 5.6 2.8 8.4

100 3.5 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD060399.D (-310) (-)

Ion 97.95 (97.65 to 98.65): VD060399.D (-310) (-)





#25

2-Butanone

Concen: 240.41 ug/l

RT: 5.63 min Scan# 418

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

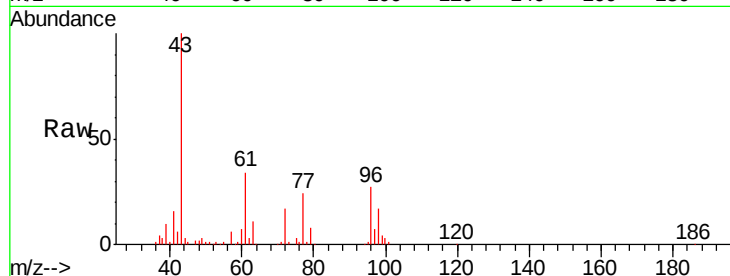
FDSB-05(25-27)MSD

Tgt Ion: 43 Resp: 783016

Ion Ratio Lower Upper

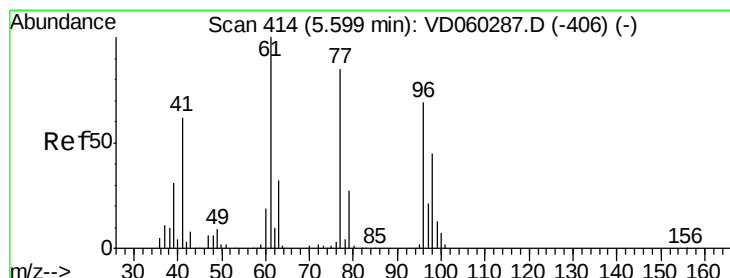
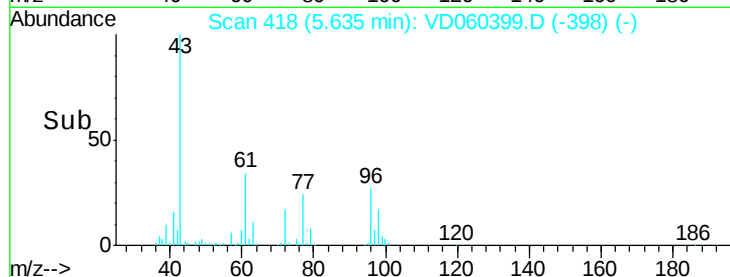
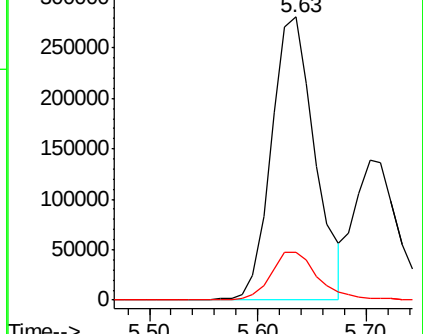
43 100

72 16.9 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: 52.82 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.00 min

Lab File: VD060399.D

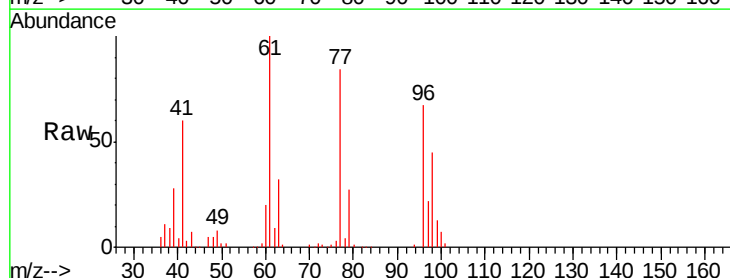
Acq: 16 Nov 2018 15:42

Tgt Ion: 77 Resp: 926652

Ion Ratio Lower Upper

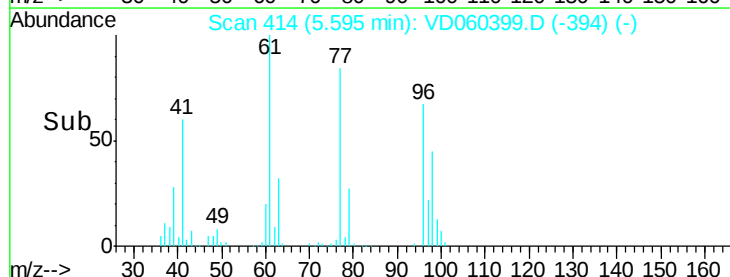
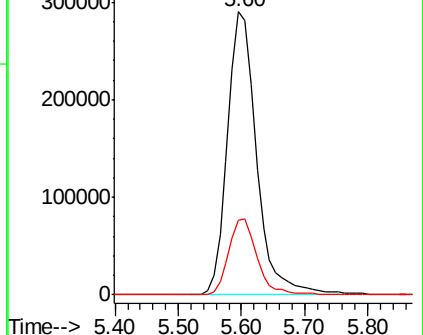
77 100

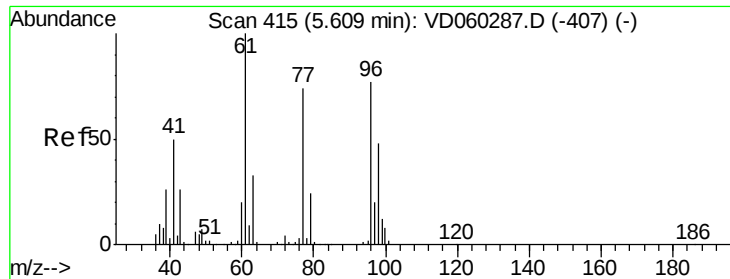
97 26.2 12.6 37.8



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: 55.10 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

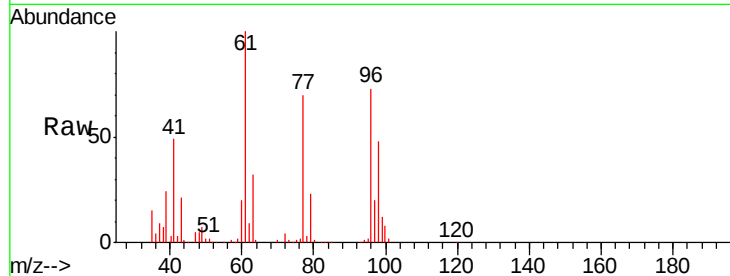
Tgt Ion: 96 Resp: 784635

Ion Ratio Lower Upper

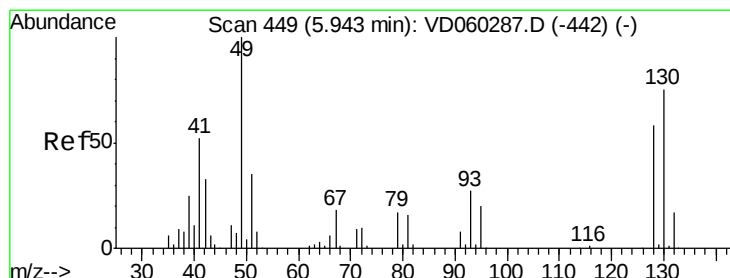
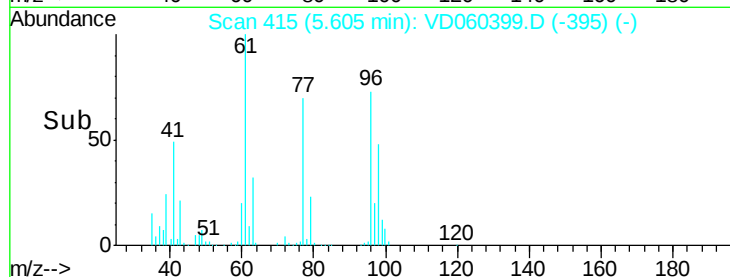
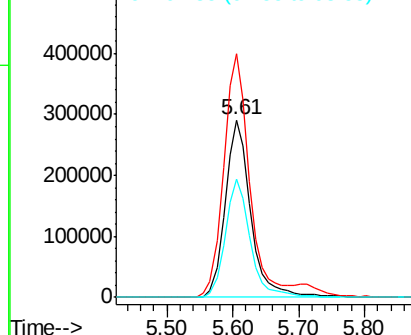
96 100

61 137.2 0.0 259.0

98 66.5 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: 53.08 ug/l

RT: 5.94 min Scan# 449

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

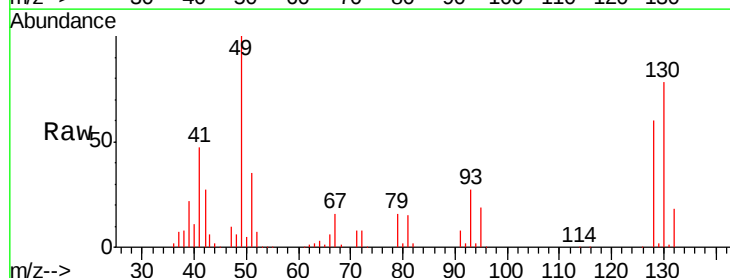
Tgt Ion: 49 Resp: 528551

Ion Ratio Lower Upper

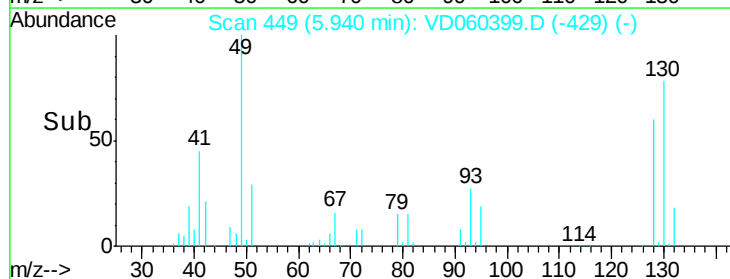
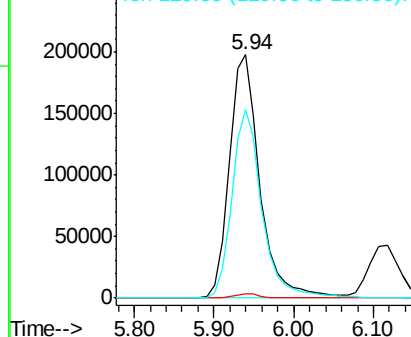
49 100

129 1.7 0.0 2.8

130 77.7 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: 238.11 ug/l

RT: 5.96 min Scan# 451

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

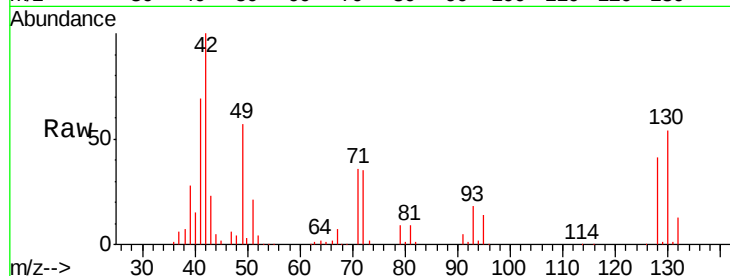
Tgt Ion: 42 Resp: 408872

Ion Ratio Lower Upper

42 100

72 36.2 27.6 41.4

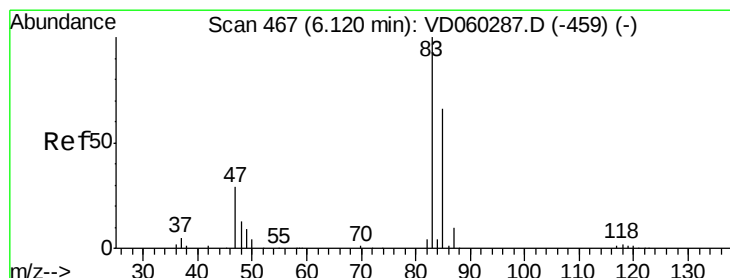
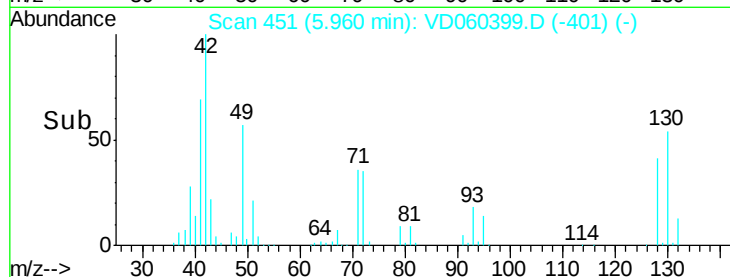
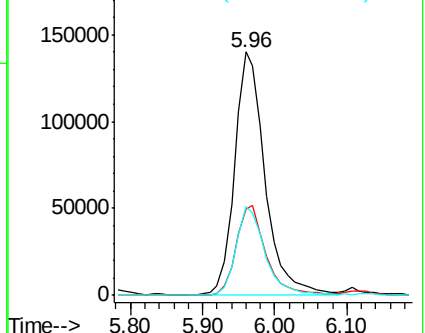
71 35.4 26.5 39.7



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 53.06 ug/l

RT: 6.12 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD060399.D

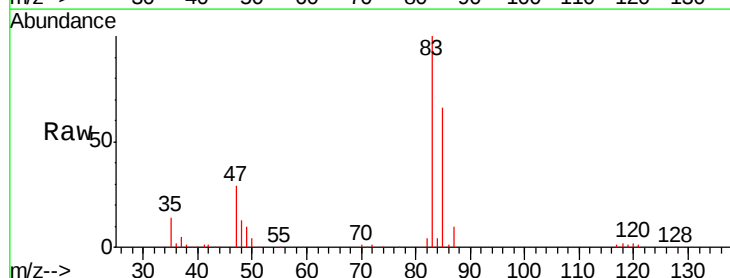
Acq: 16 Nov 2018 15:42

Tgt Ion: 83 Resp: 1196941

Ion Ratio Lower Upper

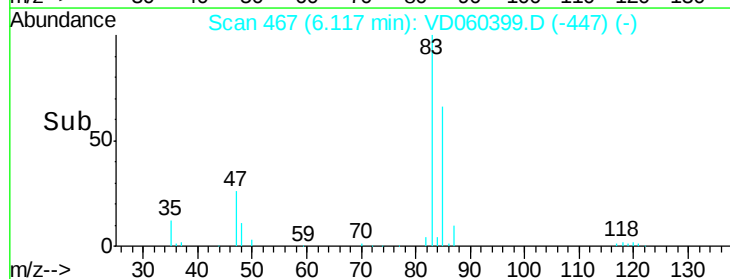
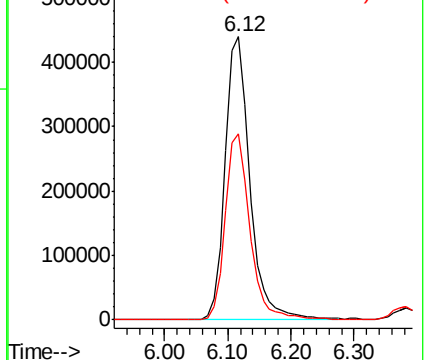
83 100

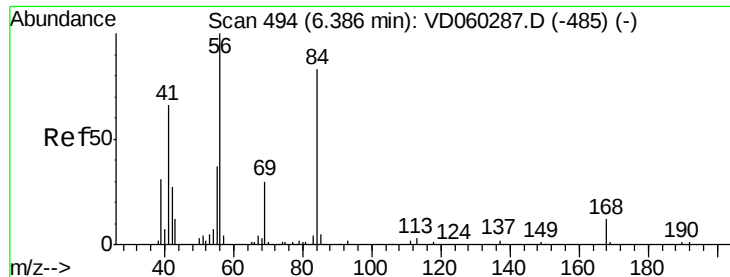
85 65.9 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

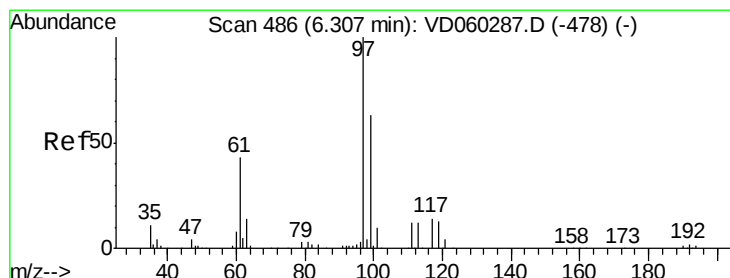
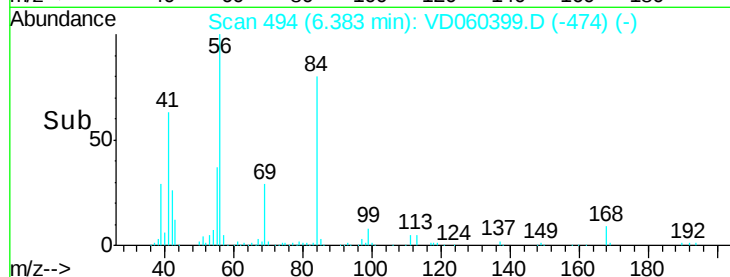
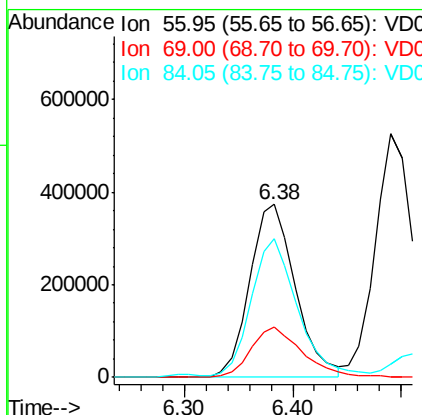
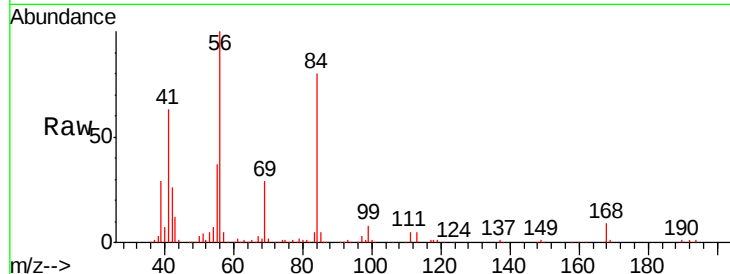




#31
Cyclohexane
Concen: 50.70 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.00 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

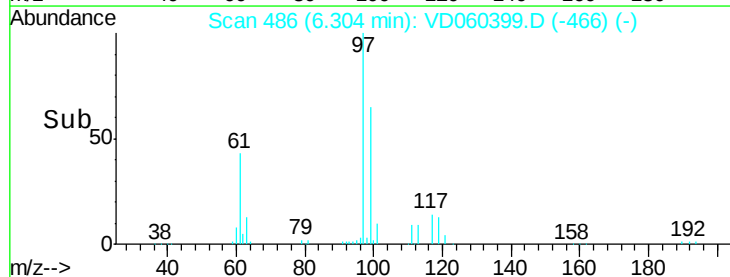
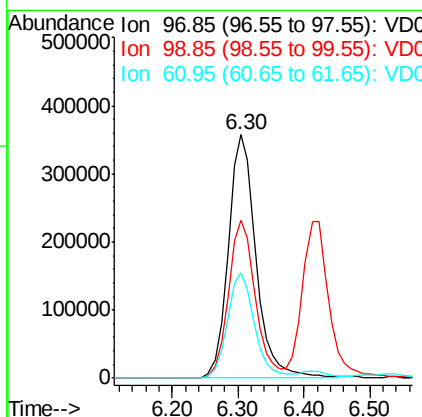
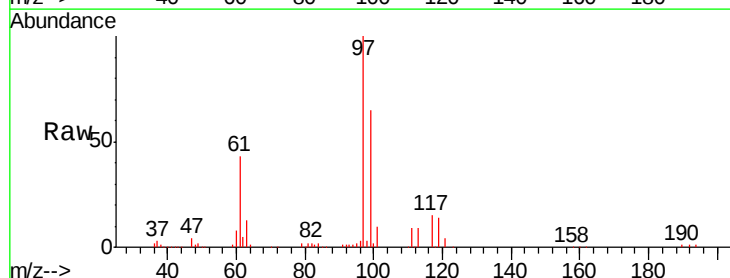
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MSD

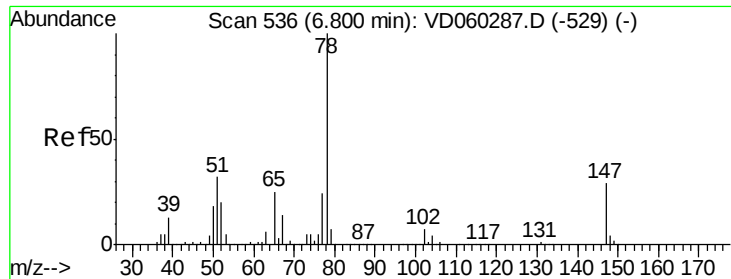
Tgt Ion: 56 Resp: 1093517
Ion Ratio Lower Upper
56 100
69 29.2 22.2 33.2
84 80.4 63.0 94.4



#32
1,1,1-Trichloroethane
Concen: 55.38 ug/l
RT: 6.30 min Scan# 486
Delta R.T. -0.00 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

Tgt Ion: 97 Resp: 1052349
Ion Ratio Lower Upper
97 100
99 65.0 51.5 77.3
61 43.2 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 55.38 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

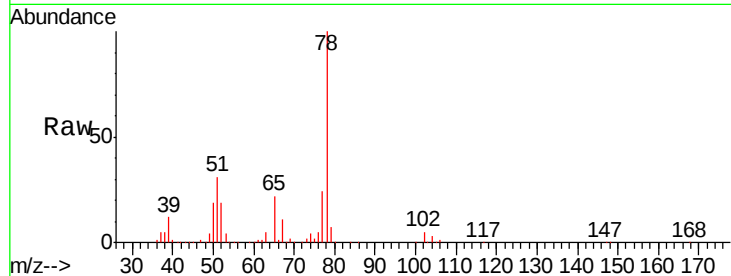
FDSB-05(25-27)MSD

Tgt Ion: 65 Resp: 418140

Ion Ratio Lower Upper

65 100

67 50.9 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

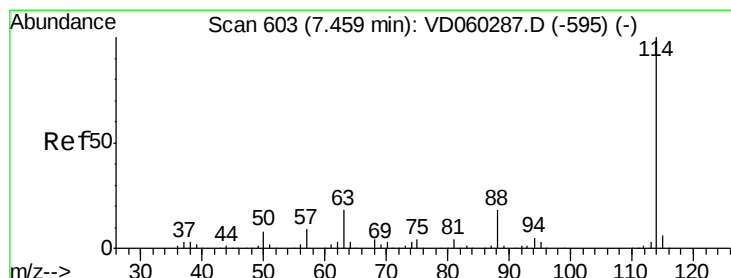
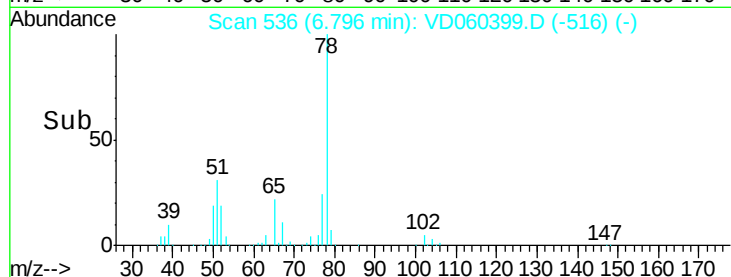
100000

50000

0

6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.46 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

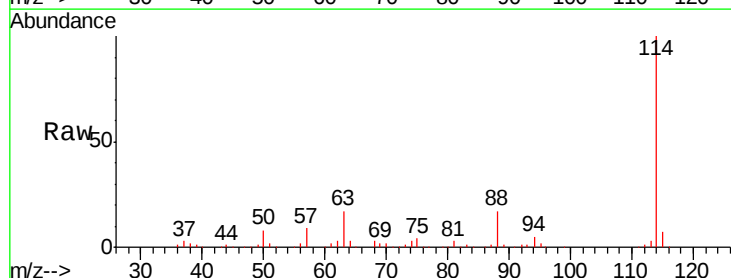
Tgt Ion: 114 Resp: 1856201

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.0

88 17.3 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1000000

800000

600000

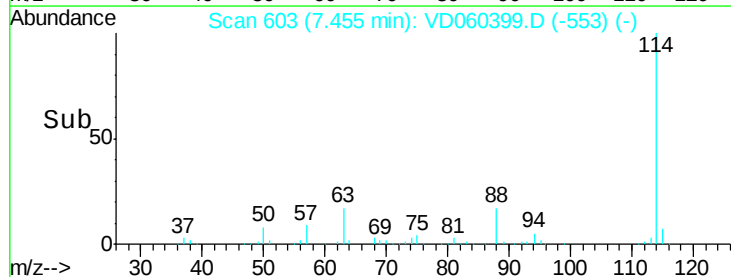
400000

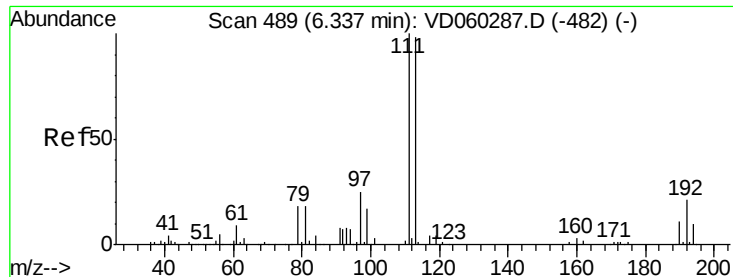
200000

0

7.40 7.46 7.50

Time-->

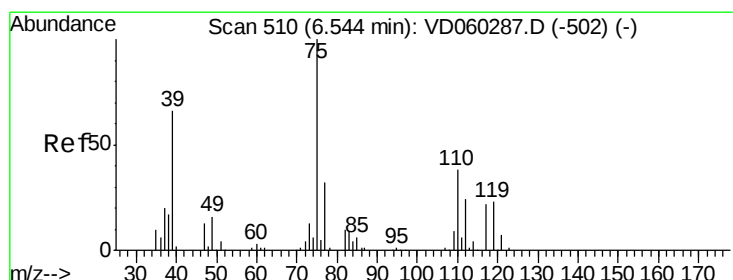
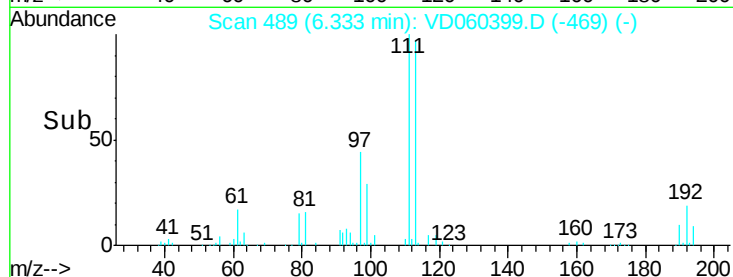
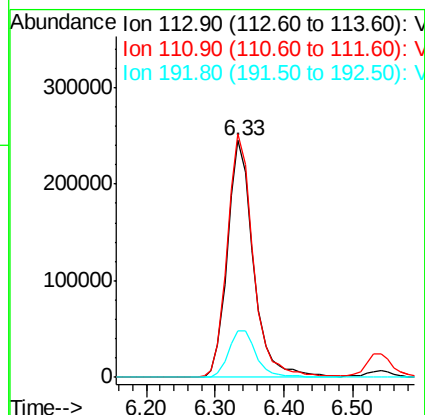
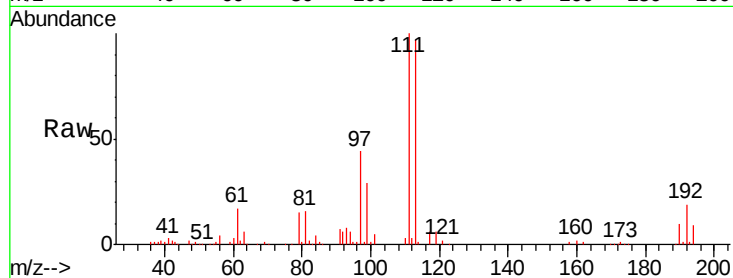




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.33 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

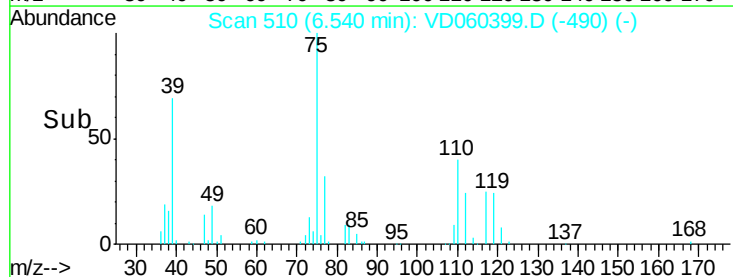
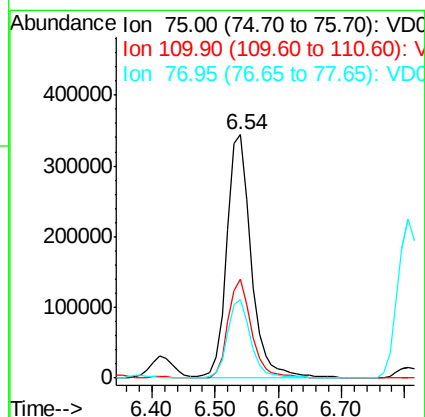
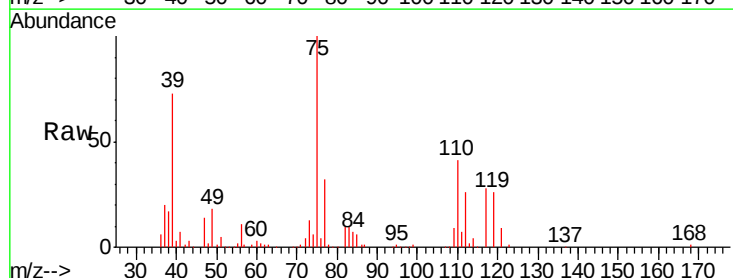
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

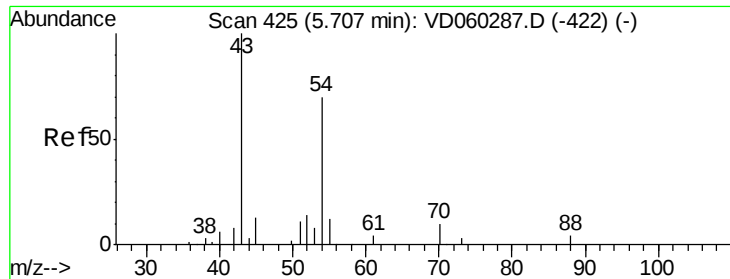
Tgt Ion:113 Resp: 639002
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.6 122.4
 192 19.5 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 49.55 ug/l
 RT: 6.54 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

Tgt Ion: 75 Resp: 908756
 Ion Ratio Lower Upper
 75 100
 110 40.8 18.0 54.0
 77 32.4 25.6 38.4

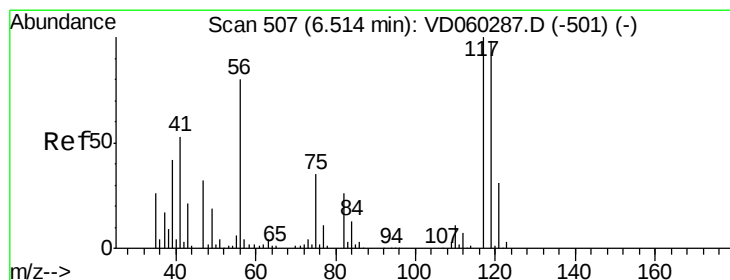
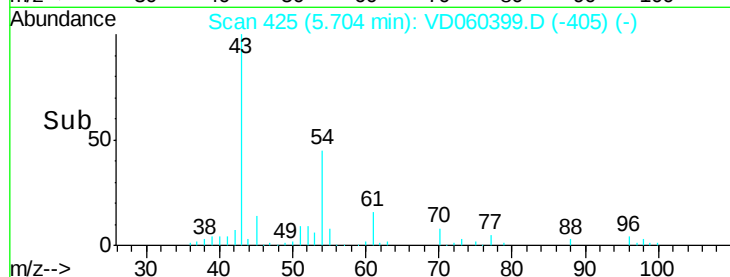
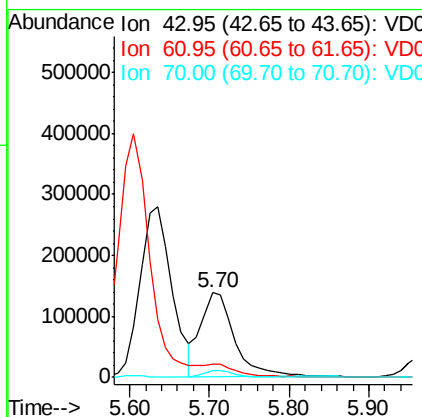
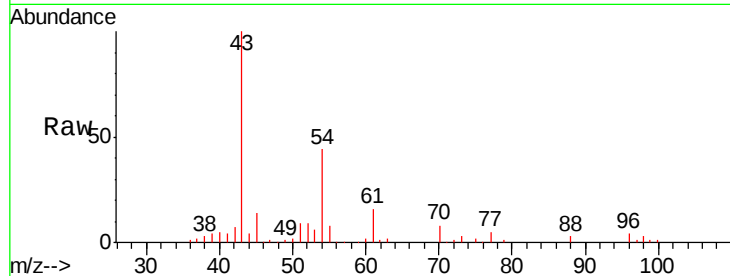




#37
Ethyl Acetate
Concen: 48.03 ug/l
RT: 5.70 min Scan# 425
Delta R.T. -0.00 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

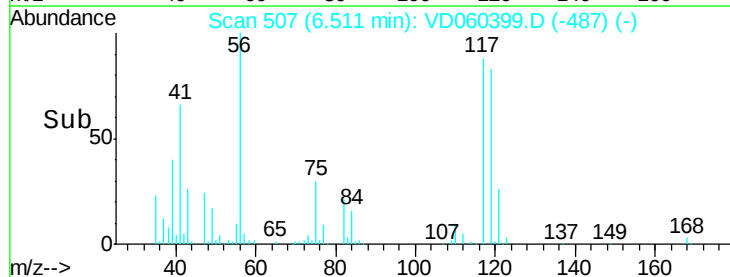
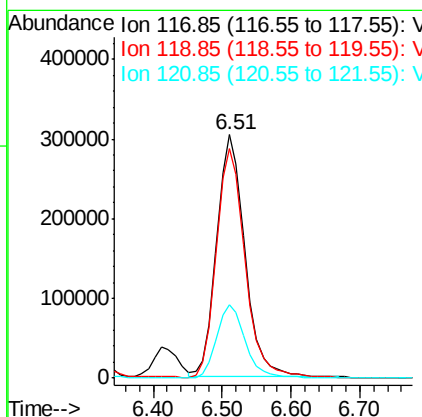
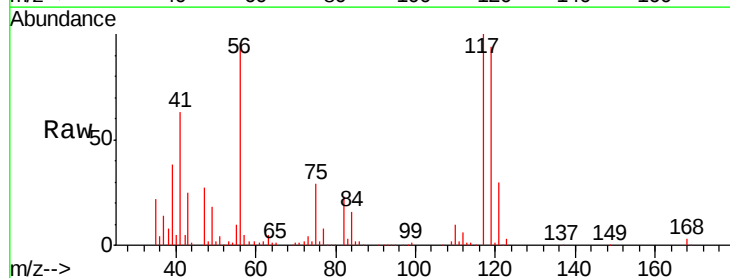
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MSD

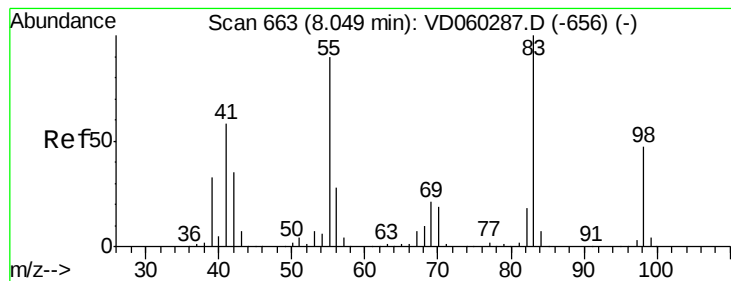
Tgt Ion: 43 Resp: 405330
Ion Ratio Lower Upper
43 100
61 16.2 11.8 17.6
70 8.1 6.2 9.4



#38
Carbon Tetrachloride
Concen: 50.77 ug/l
RT: 6.51 min Scan# 507
Delta R.T. -0.00 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

Tgt Ion: 117 Resp: 863625
Ion Ratio Lower Upper
117 100
119 94.2 76.6 115.0
121 30.1 24.3 36.5





#39

Methylcyclohexane

Concen: 47.09 ug/l

RT: 8.06 min Scan# 664

Delta R.T. 0.01 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

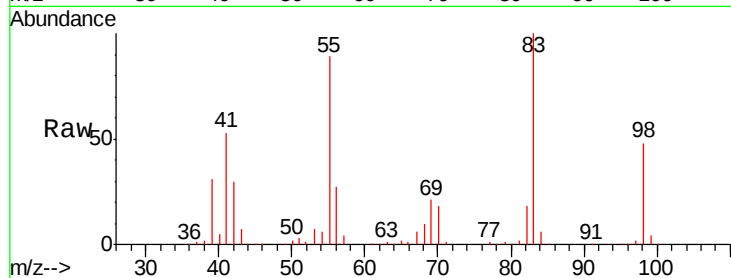
Tgt Ion: 83 Resp: 993214

Ion Ratio Lower Upper

83 100

55 89.5 71.2 106.8

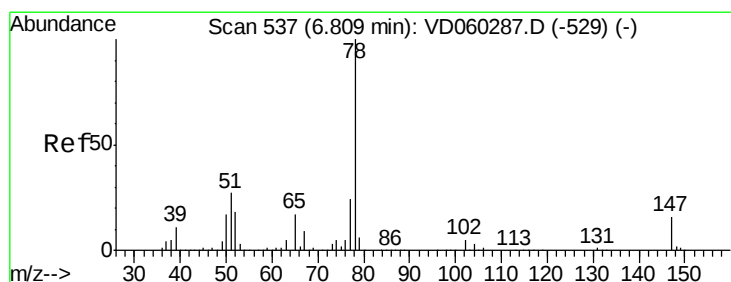
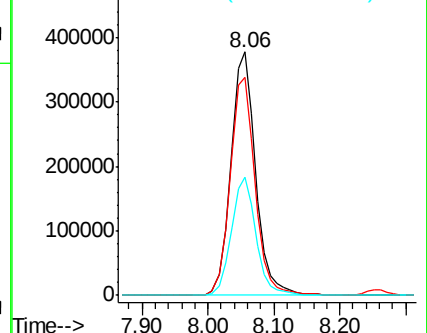
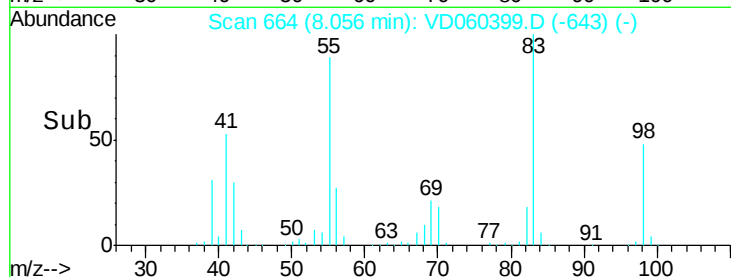
98 48.5 38.4 57.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 52.18 ug/l

RT: 6.81 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD060399.D

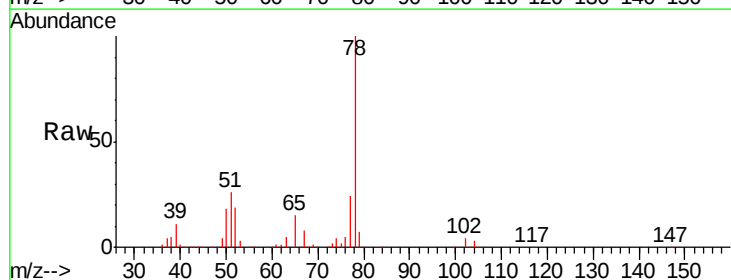
Acq: 16 Nov 2018 15:42

Tgt Ion: 78 Resp: 2442726

Ion Ratio Lower Upper

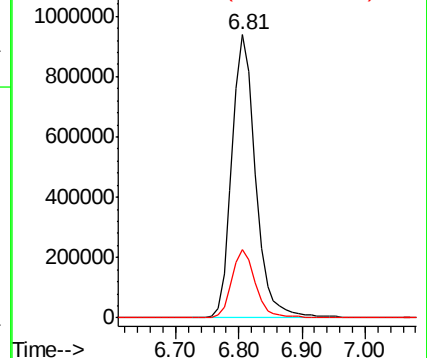
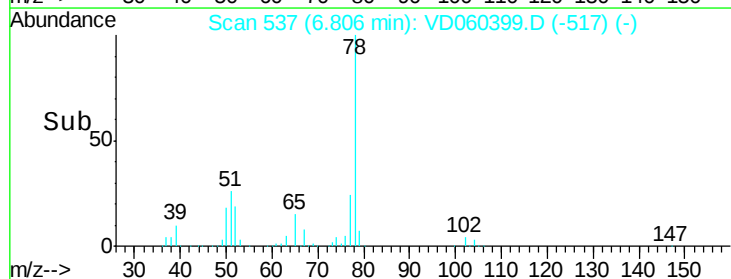
78 100

77 24.1 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 47.30 ug/l

RT: 5.96 min Scan# 451

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

Tgt Ion: 41 Resp: 456831

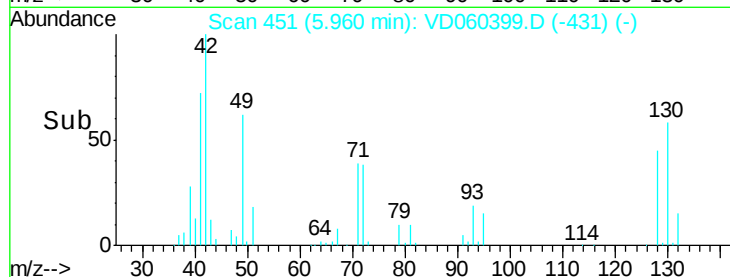
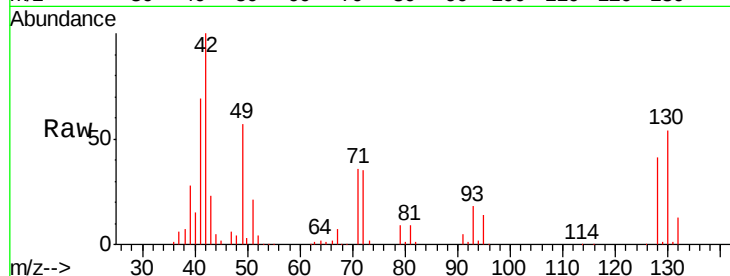
Ion Ratio Lower Upper

41 100

39 40.5 36.2 54.2

67 10.3 11.9 17.9#

52 5.2 5.2 7.8#

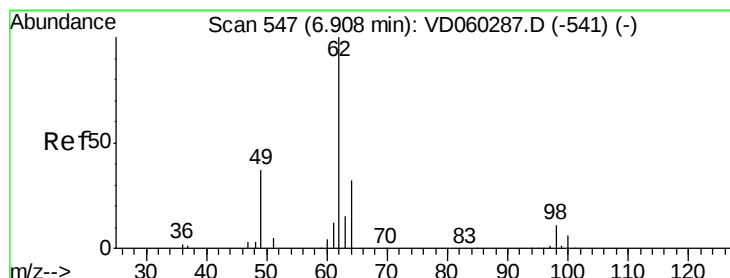
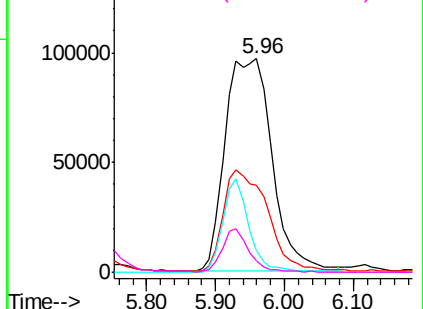


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 50.36 ug/l

RT: 6.90 min Scan# 547

Delta R.T. -0.00 min

Lab File: VD060399.D

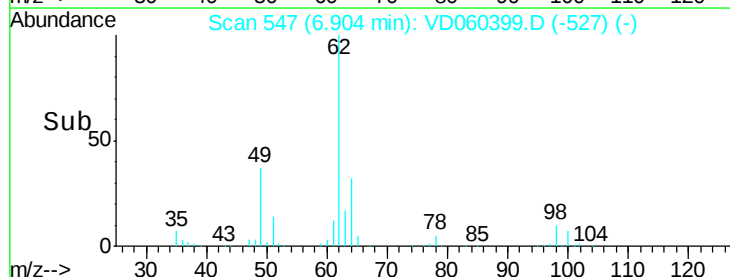
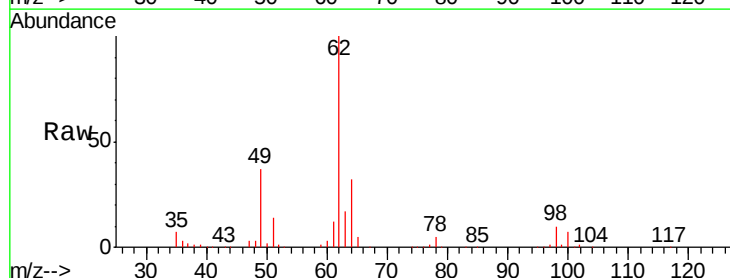
Acq: 16 Nov 2018 15:42

Tgt Ion: 62 Resp: 616994

Ion Ratio Lower Upper

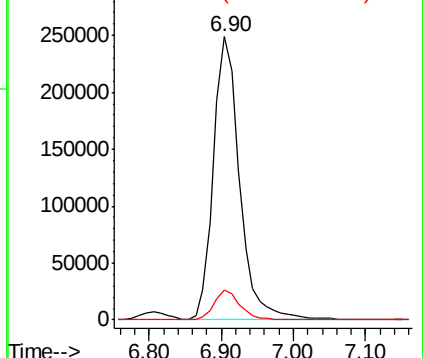
62 100

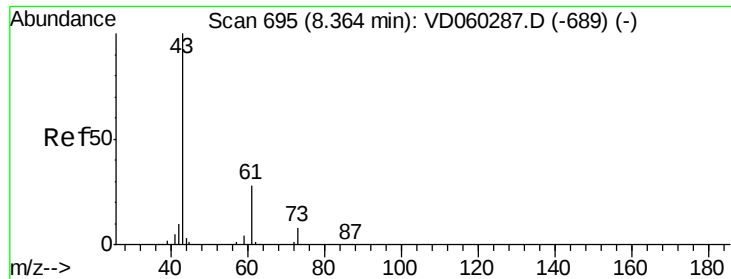
98 10.5 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 49.06 ug/l

RT: 8.36 min Scan# 695

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

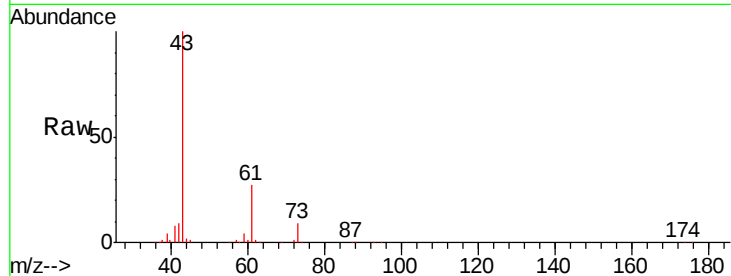
Tgt Ion: 43 Resp: 520033

Ion Ratio Lower Upper

43 100

61 27.1 22.3 33.5

87 0.3 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

8.36

250000

200000

150000

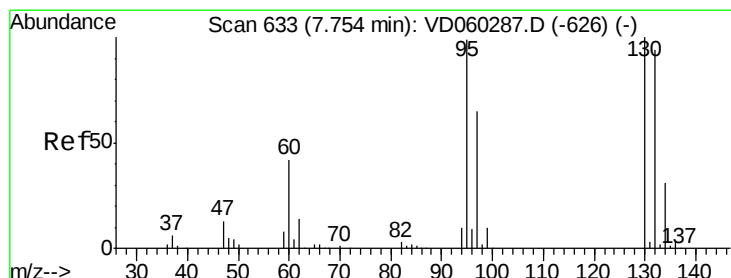
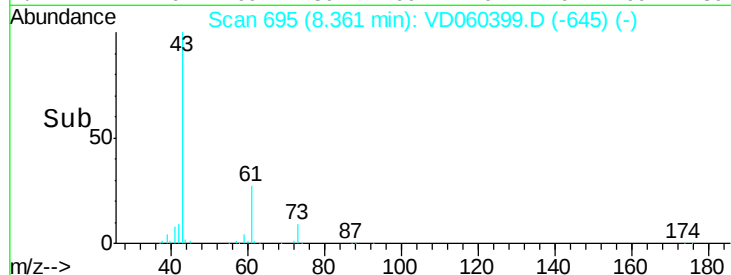
100000

50000

0

8.20 8.30 8.40 8.50 8.60

Time-->



#44

Trichloroethene

Concen: 55.67 ug/l

RT: 7.75 min Scan# 633

Delta R.T. -0.00 min

Lab File: VD060399.D

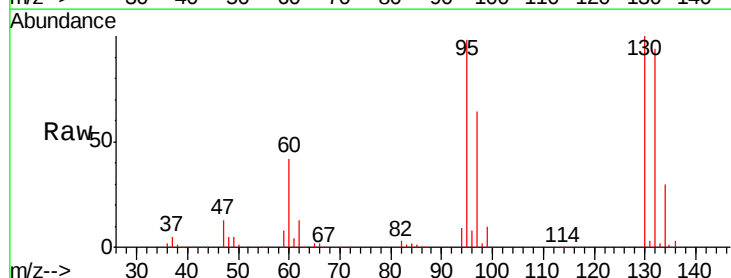
Acq: 16 Nov 2018 15:42

Tgt Ion: 130 Resp: 789925

Ion Ratio Lower Upper

130 100

95 97.8 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

7.75

300000

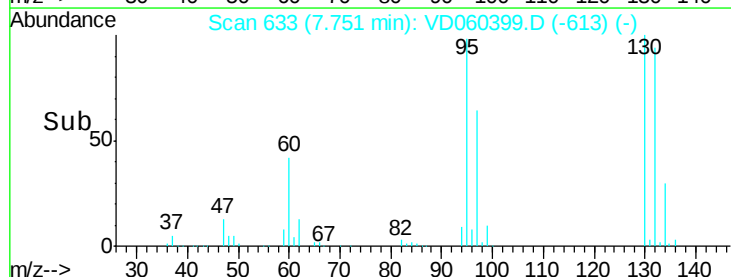
200000

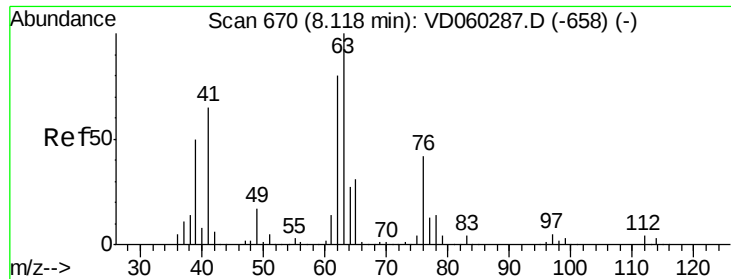
100000

0

7.60 7.70 7.80 7.90

Time-->





#45

1,2-Dichloropropane

Concen: 53.73 ug/l

RT: 8.11 min Scan# 670

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

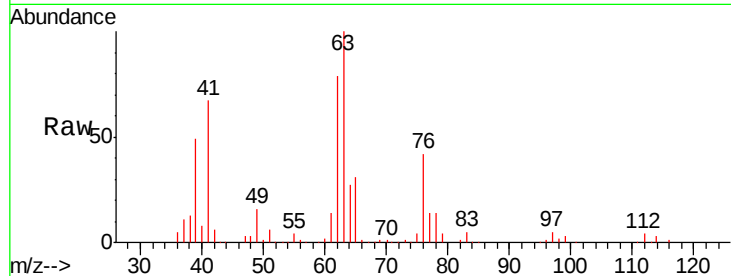
FDSB-05(25-27)MSD

Tgt Ion: 63 Resp: 634324

Ion Ratio Lower Upper

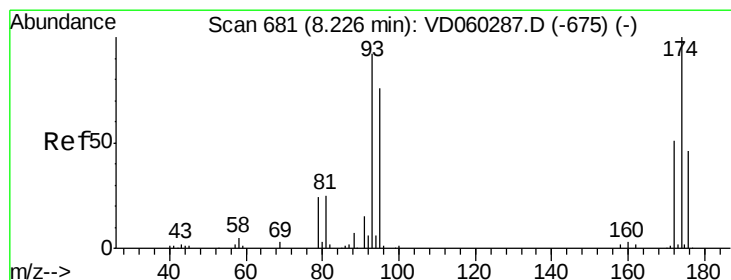
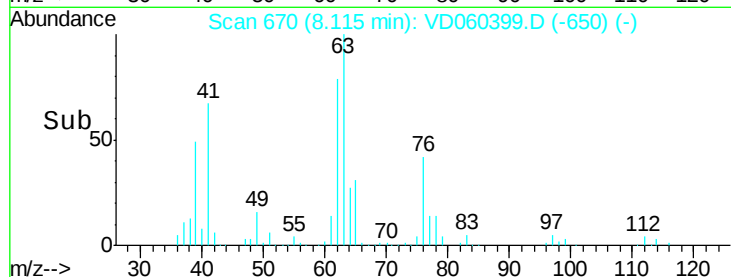
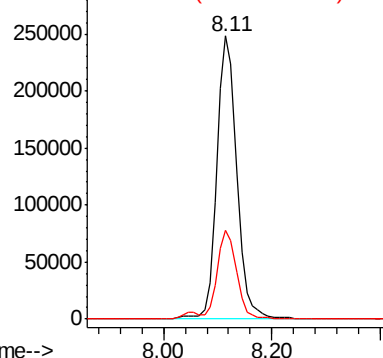
63 100

65 31.2 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 48.74 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

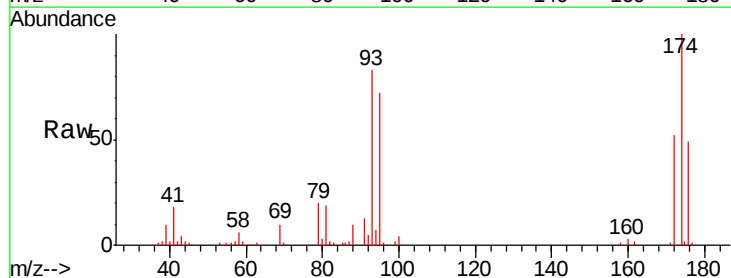
Tgt Ion: 93 Resp: 337044

Ion Ratio Lower Upper

93 100

95 86.0 66.4 99.6

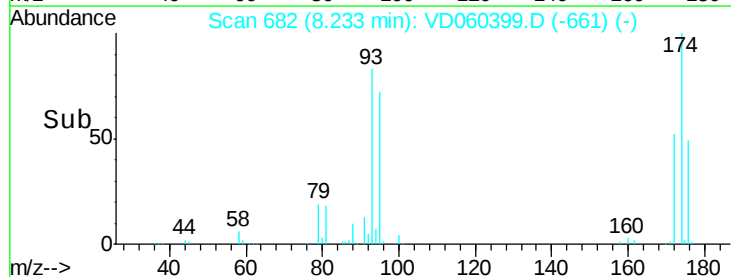
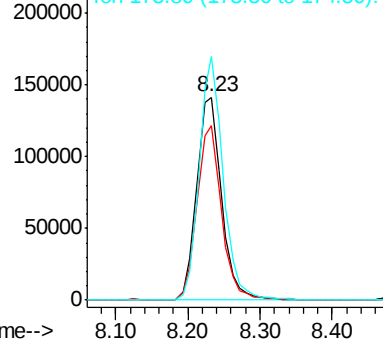
174 119.9 87.8 131.8

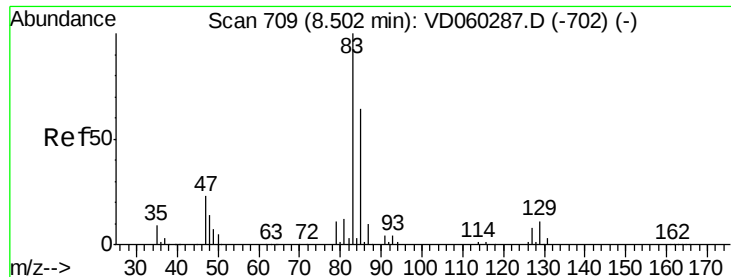


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 49.56 ug/l

RT: 8.50 min Scan# 709

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

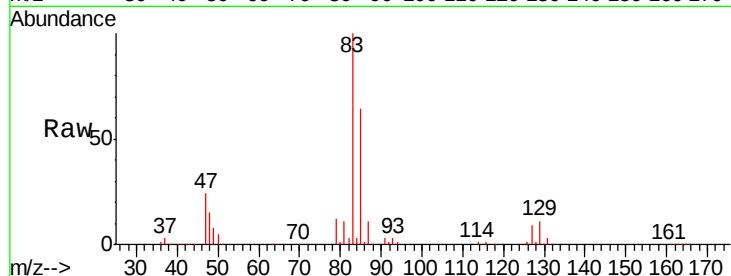
Tgt Ion: 83 Resp: 807581

Ion Ratio Lower Upper

83 100

85 64.5 51.0 76.6

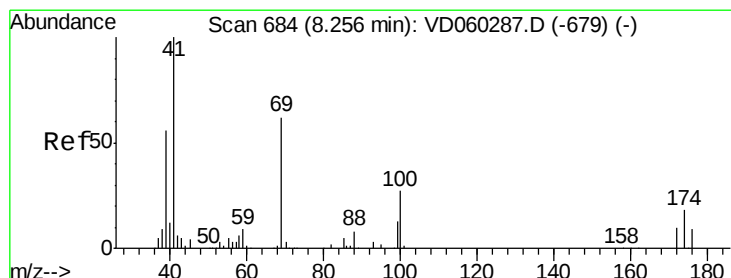
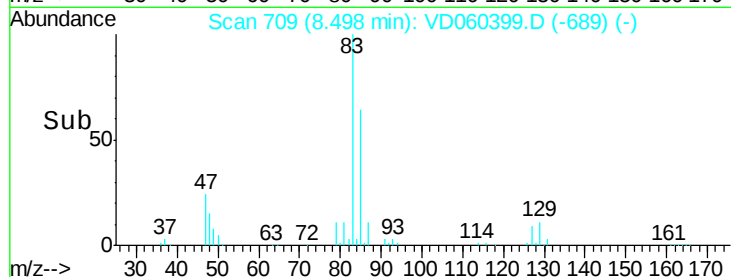
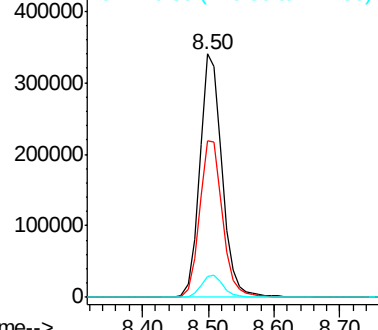
127 8.6 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 48.68 ug/l

RT: 8.25 min Scan# 684

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

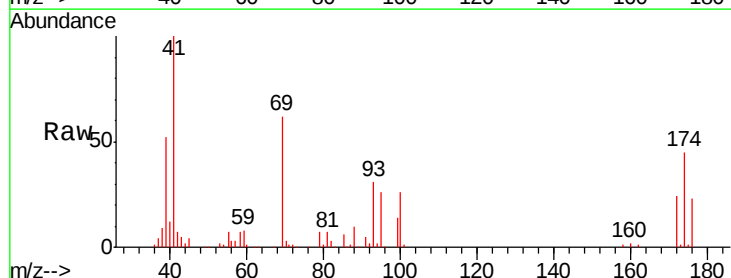
Tgt Ion: 41 Resp: 313437

Ion Ratio Lower Upper

41 100

69 62.1 47.0 70.4

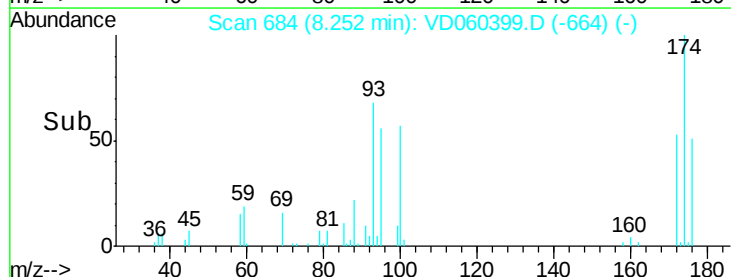
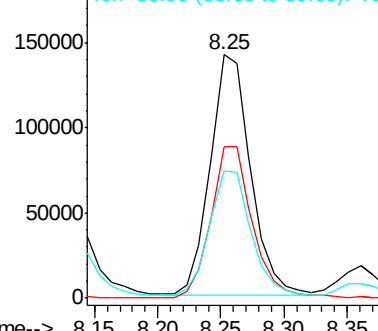
39 52.1 46.2 69.4

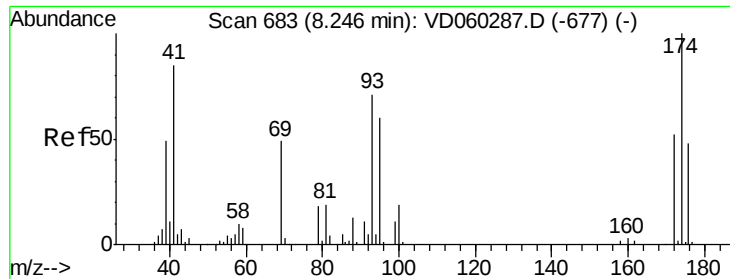


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

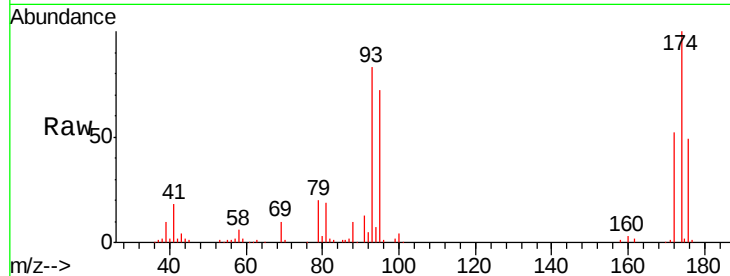




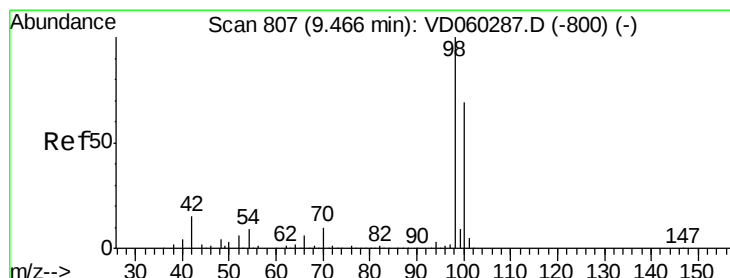
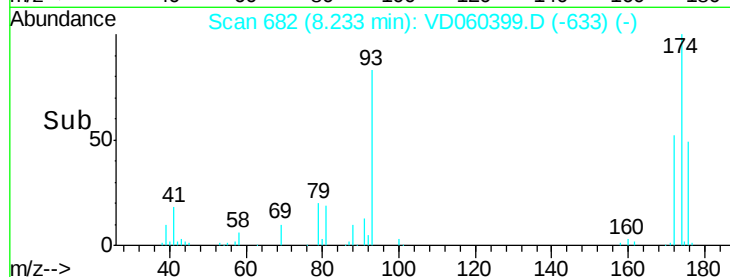
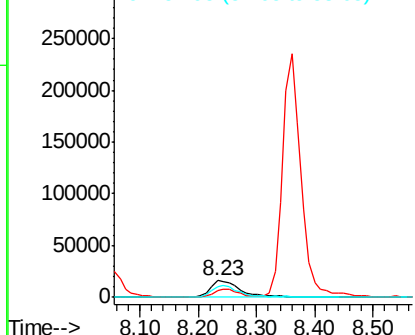
#49
1,4-Dioxane
Concen: 1052.22 ug/l
RT: 8.23 min Scan# 682
Delta R.T. -0.01 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MSD

Tgt Ion: 88 Resp: 58618
Ion Ratio Lower Upper
88 100
43 36.8 39.7 59.5#
58 61.6 60.2 90.2

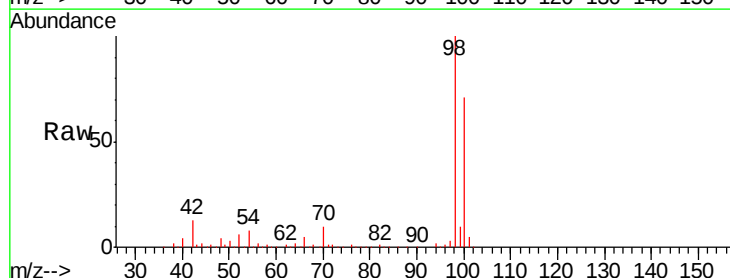


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

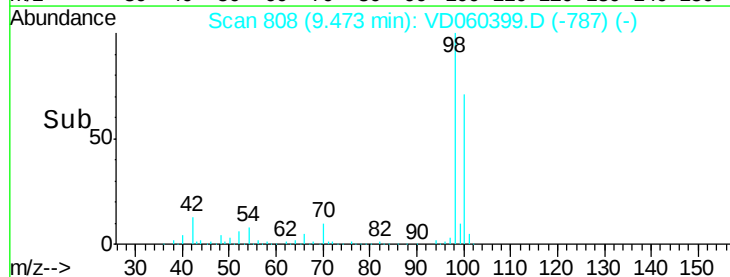
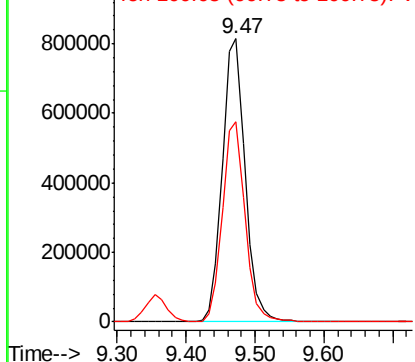


#50
Toluene-d8
Concen: 1052.22 ug/l
RT: 9.47 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

Tgt Ion: 98 Resp: 1872416
Ion Ratio Lower Upper
98 100
100 70.5 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 238.93 ug/l

RT: 9.35 min Scan# 796

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

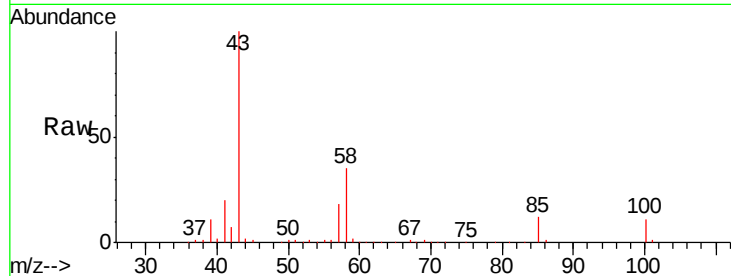
FDSB-05(25-27)MSD

Tgt Ion: 43 Resp: 1648388

Ion Ratio Lower Upper

43 100

58 34.7 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

800000

600000

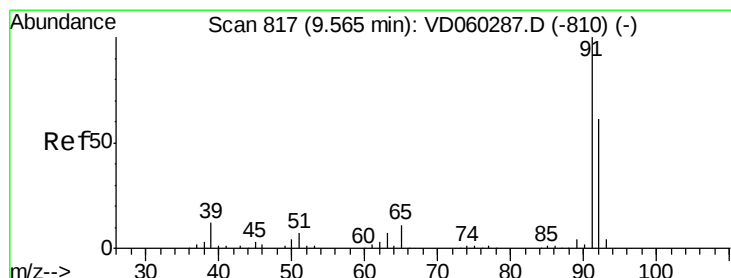
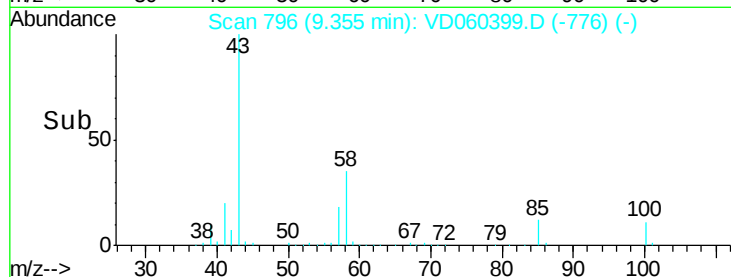
400000

200000

0

9.20 9.30 9.40 9.50

Time-->



#52

Toluene

Concen: 52.33 ug/l

RT: 9.56 min Scan# 817

Delta R.T. -0.00 min

Lab File: VD060399.D

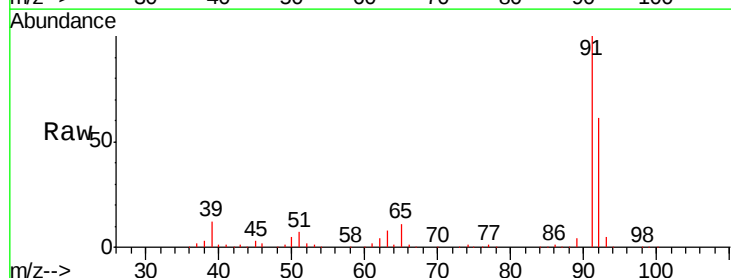
Acq: 16 Nov 2018 15:42

Tgt Ion: 92 Resp: 1564751

Ion Ratio Lower Upper

92 100

91 164.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

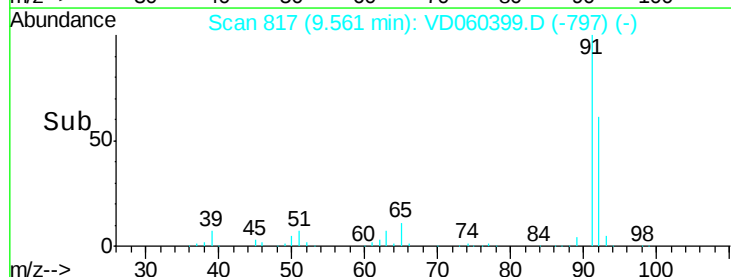
1000000

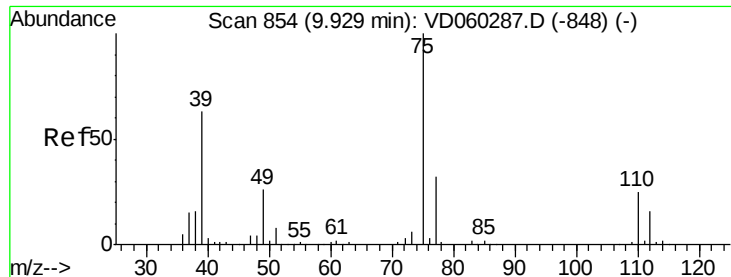
500000

0

9.40 9.50 9.60 9.70

Time-->

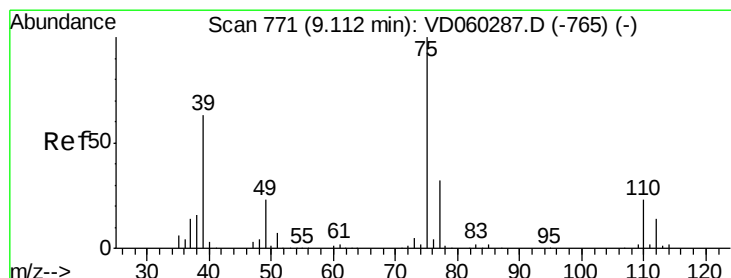
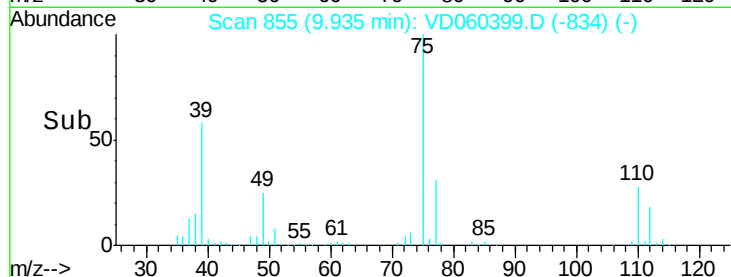
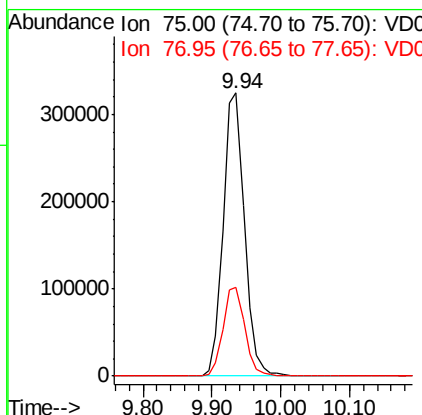
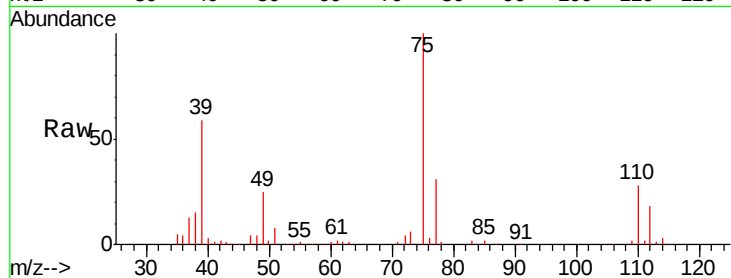




#53
 t-1,3-Dichloropropene
 Concen: 50.55 ug/l
 RT: 9.94 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

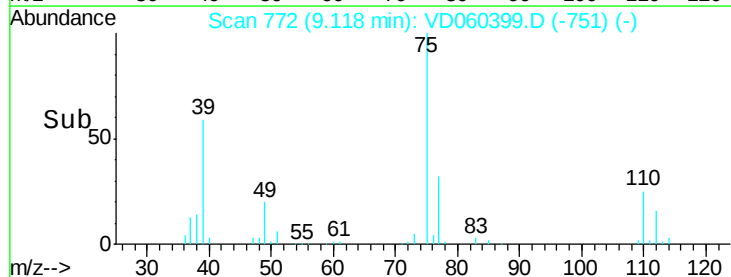
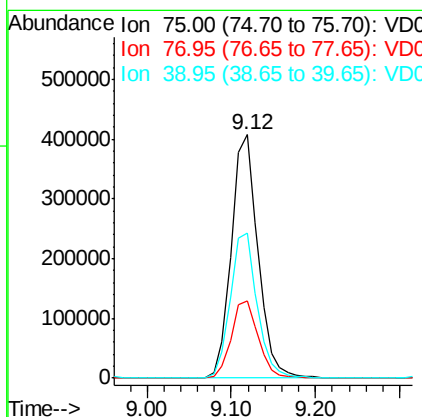
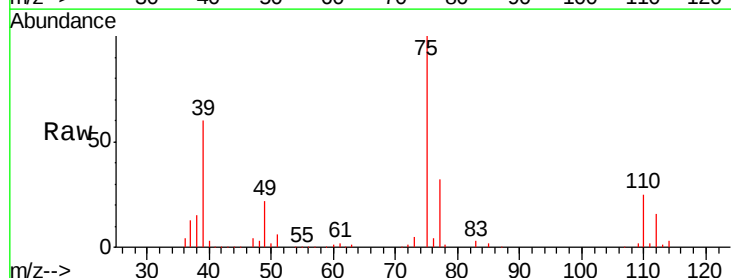
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

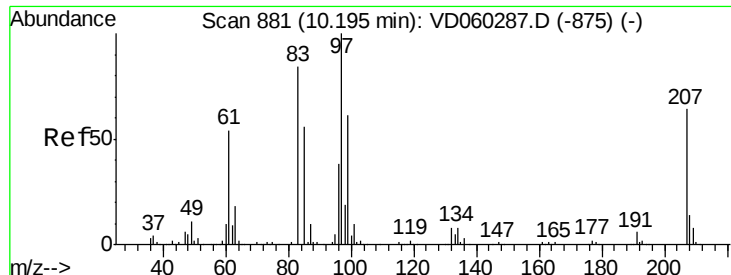
Tgt Ion: 75 Resp: 695866
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.77 ug/l
 RT: 9.12 min Scan# 772
 Delta R.T. 0.01 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

Tgt Ion: 75 Resp: 896482
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.3 39.5
 39 59.7 50.8 76.2

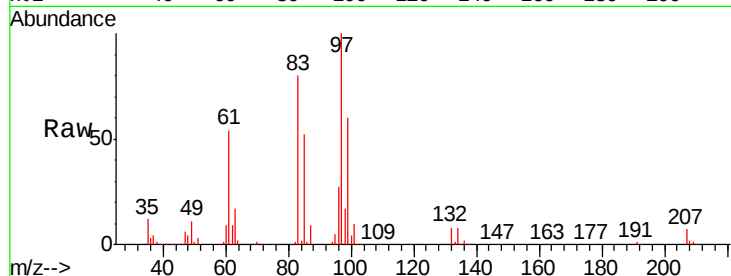




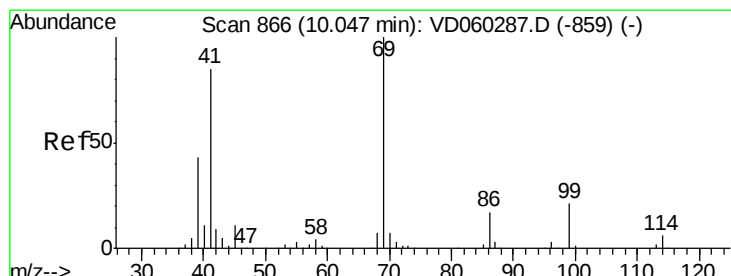
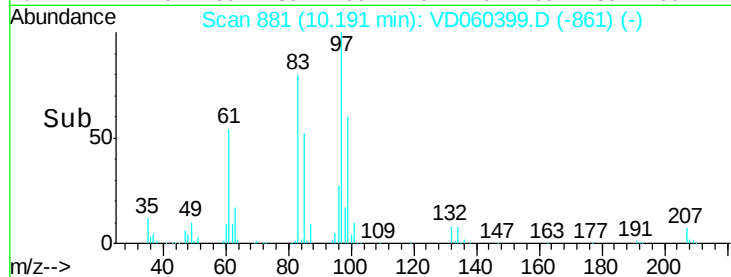
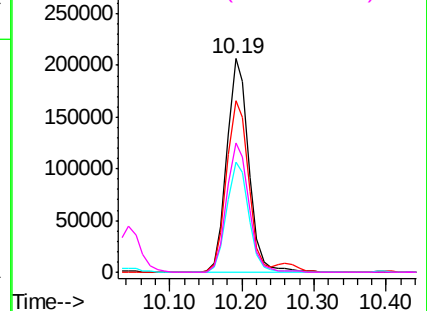
#55
 1,1,2-Trichloroethane
 Concen: 49.92 ug/l
 RT: 10.19 min Scan# 881
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

Tgt Ion:	97	Resp:	432645
Ion	Ratio	Lower	Upper
97	100		
83	80.3	68.4	102.6
85	51.6	46.8	70.2
99	60.4	49.5	74.3

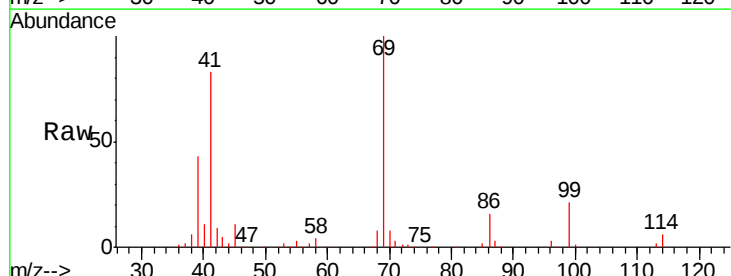


Abundance Ion 96.85 (96.55 to 97.55): VDC

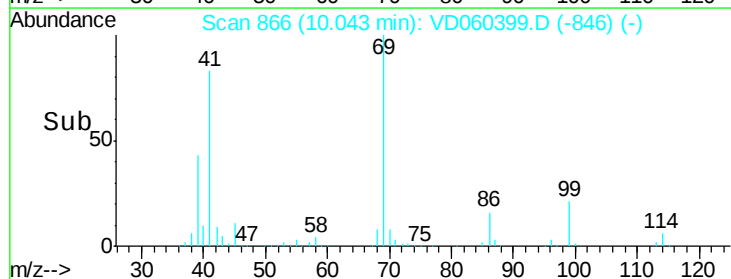
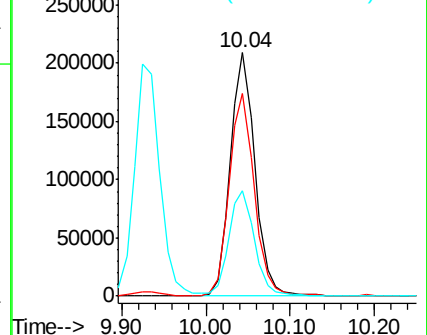


#56
 Ethyl methacrylate
 Concen: 53.41 ug/l
 RT: 10.04 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

Tgt Ion:	69	Resp:	425579
Ion	Ratio	Lower	Upper
69	100		
41	83.3	69.0	103.4
39	43.3	36.6	54.8



Abundance Ion 69.00 (68.70 to 69.70): VDC





#57

1,3-Dichloropropane

Concen: 49.22 ug/l

RT: 10.40 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

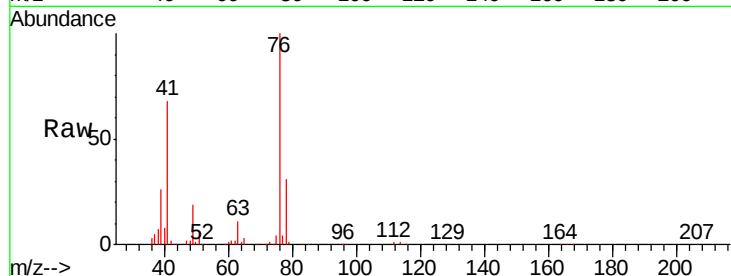
FDSB-05(25-27)MSD

Tgt Ion: 76 Resp: 649998

Ion Ratio Lower Upper

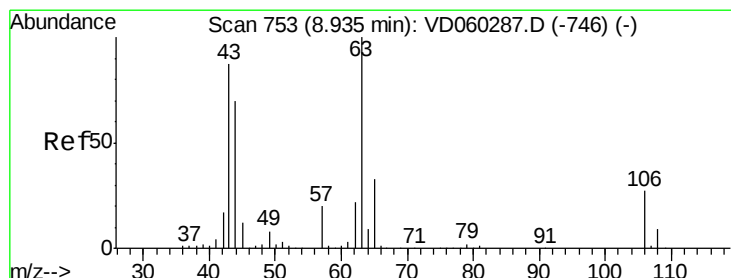
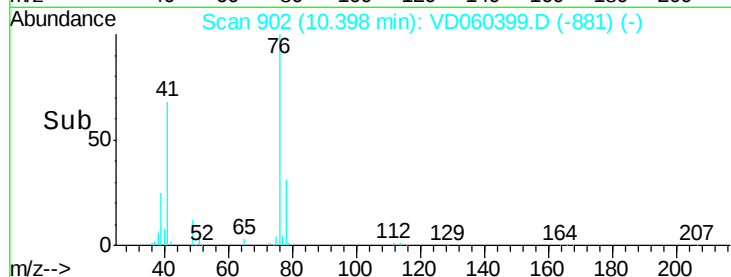
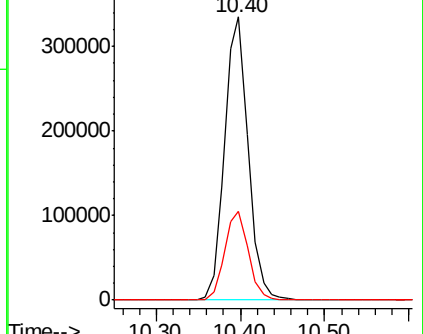
76 100

78 31.4 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 248.64 ug/l

RT: 8.93 min Scan# 753

Delta R.T. -0.00 min

Lab File: VD060399.D

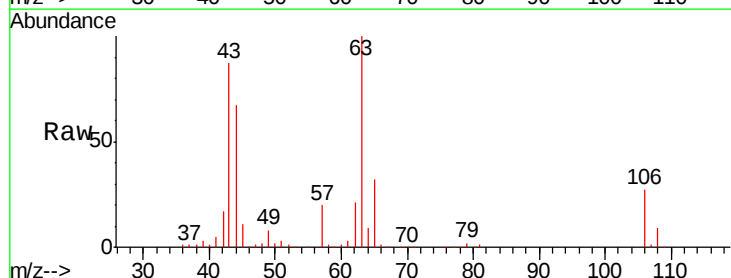
Acq: 16 Nov 2018 15:42

Tgt Ion: 63 Resp: 1197989

Ion Ratio Lower Upper

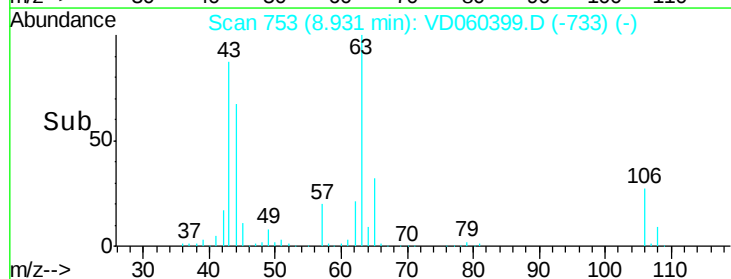
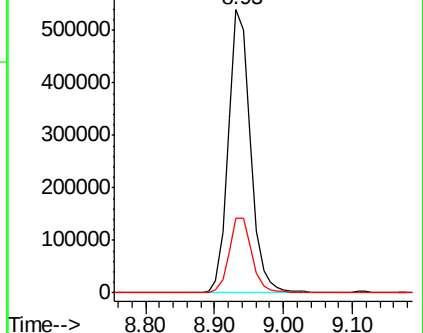
63 100

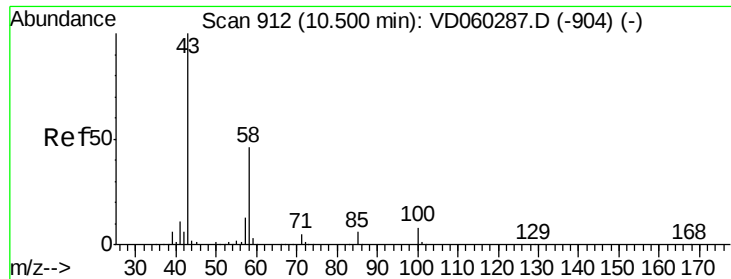
106 26.5 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

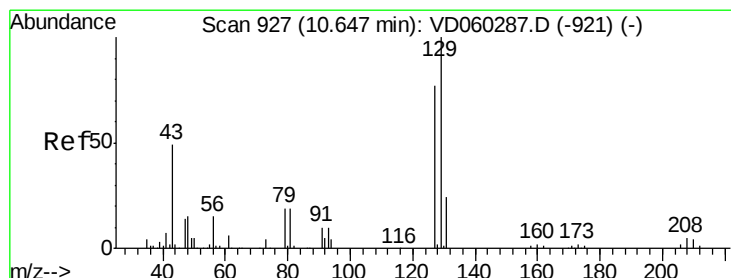
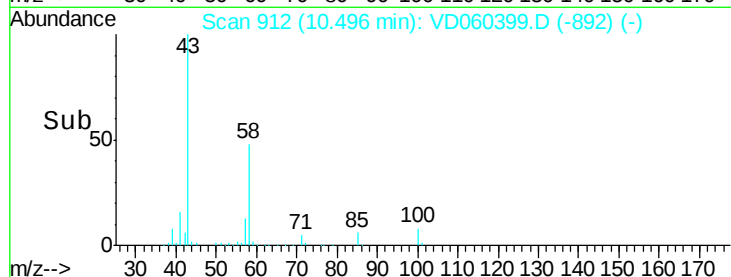
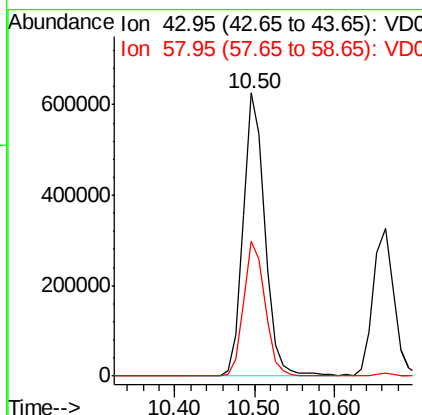
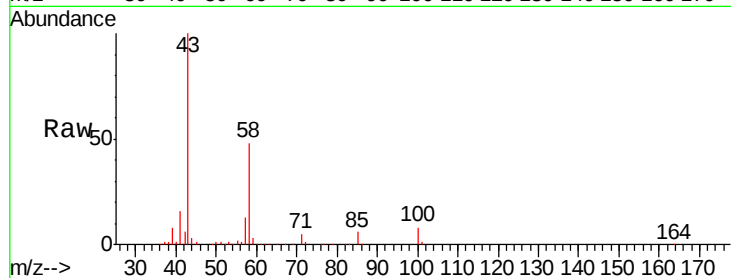




#59
2-Hexanone
Concen: 238.83 ug/l
RT: 10.50 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

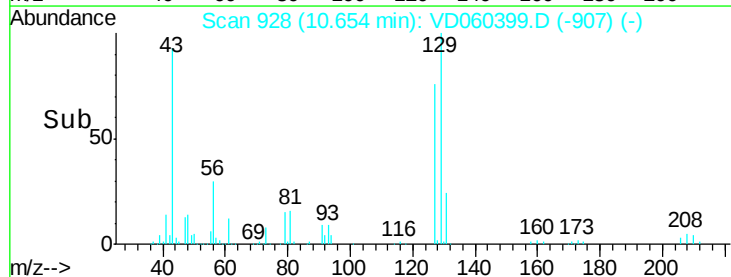
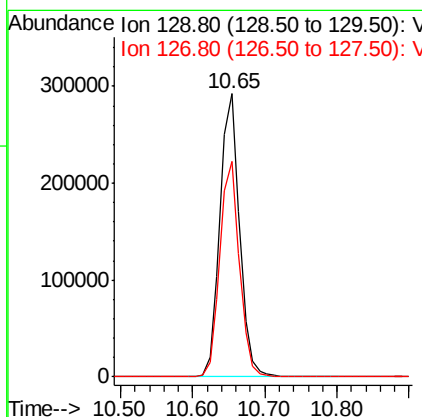
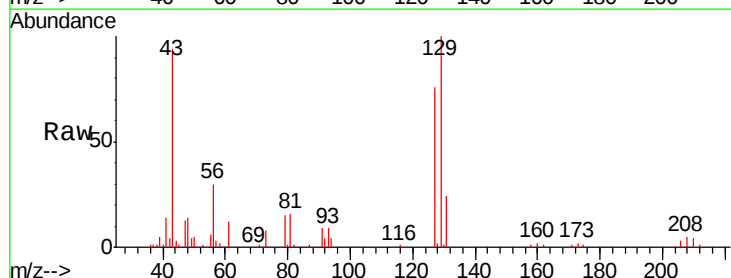
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MSD

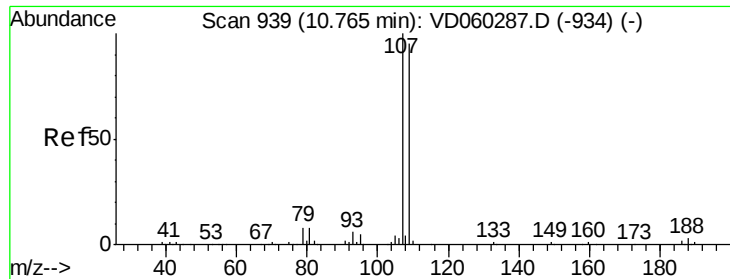
Tgt Ion: 43 Resp: 1174399
Ion Ratio Lower Upper
43 100
58 47.5 22.9 68.5



#60
Dibromochloromethane
Concen: 51.96 ug/l
RT: 10.65 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

Tgt Ion: 129 Resp: 547378
Ion Ratio Lower Upper
129 100
127 76.2 38.9 116.6

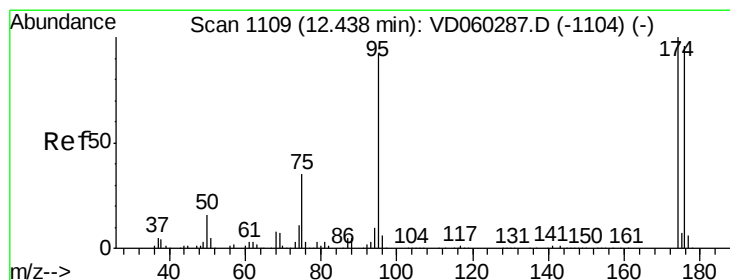
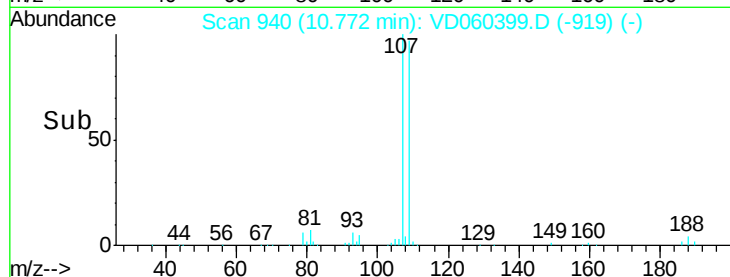
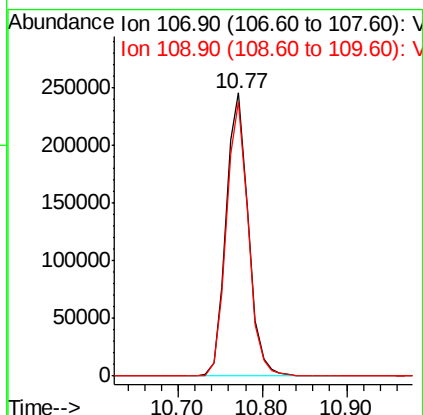
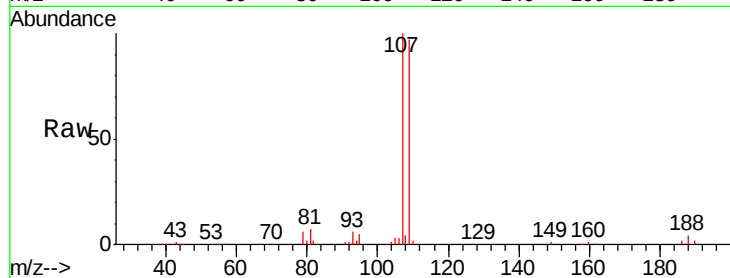




#61
 1,2-Dibromoethane
 Concen: 51.98 ug/l
 RT: 10.77 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

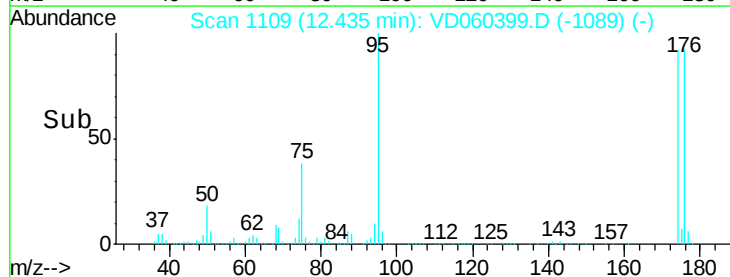
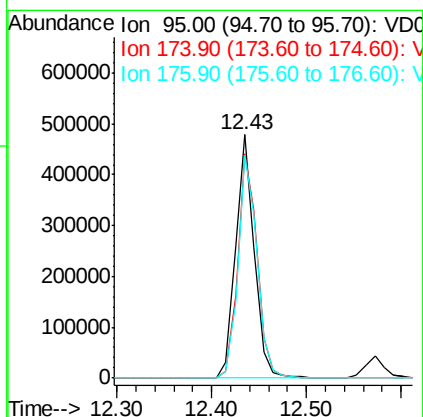
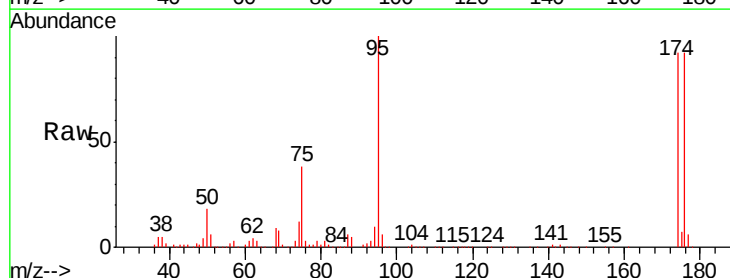
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

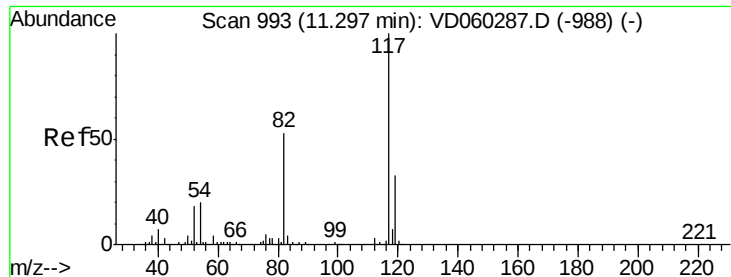
Tgt Ion: 107 Resp: 451404
 Ion Ratio Lower Upper
 107 100
 109 96.8 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 51.98 ug/l
 RT: 12.43 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

Tgt Ion: 95 Resp: 657462
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 160.8
 176 91.9 0.0 154.6

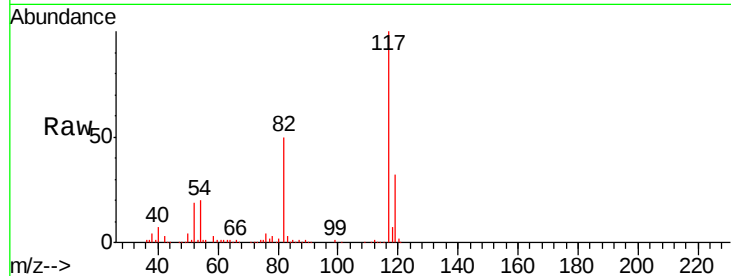




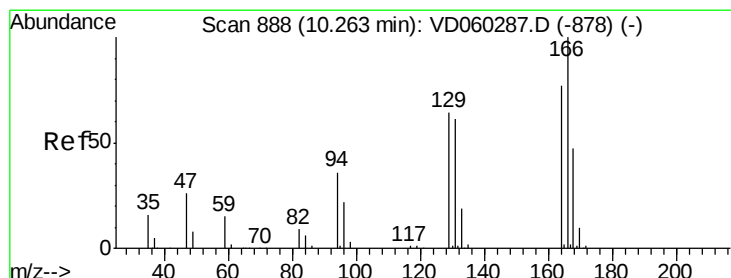
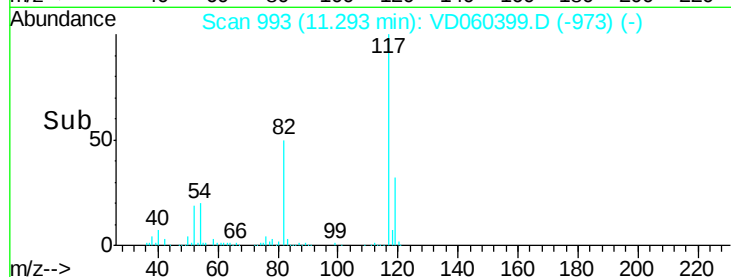
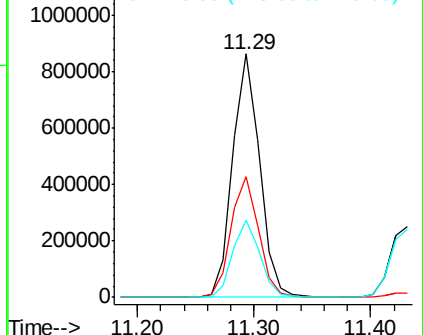
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MSD

Tgt Ion:117 Resp: 1393598
Ion Ratio Lower Upper
117 100
82 49.7 43.7 65.5
119 31.8 26.1 39.1

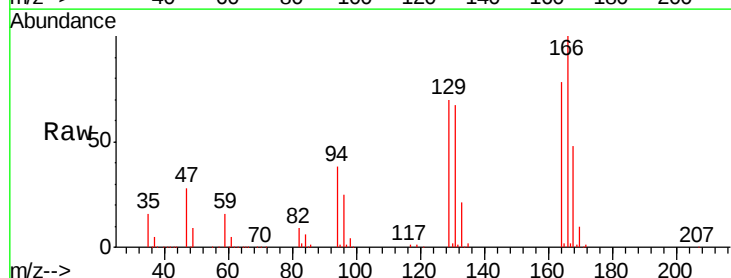


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

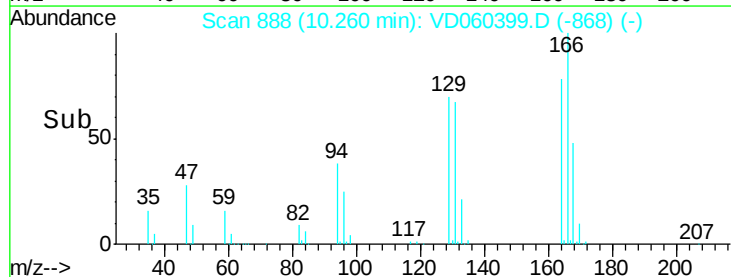
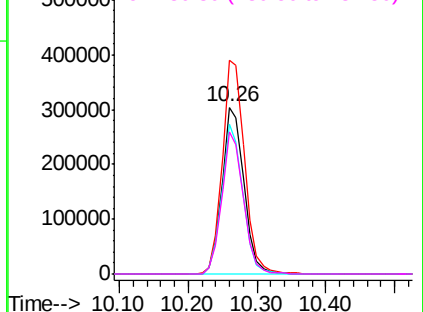


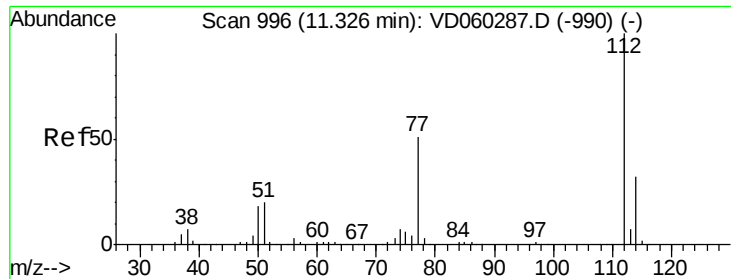
#64
Tetrachloroethene
Concen: 53.66 ug/l
RT: 10.26 min Scan# 888
Delta R.T. -0.00 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

Tgt Ion:164 Resp: 667651
Ion Ratio Lower Upper
164 100
166 128.0 103.7 155.5
129 89.5 65.6 98.4
131 85.2 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

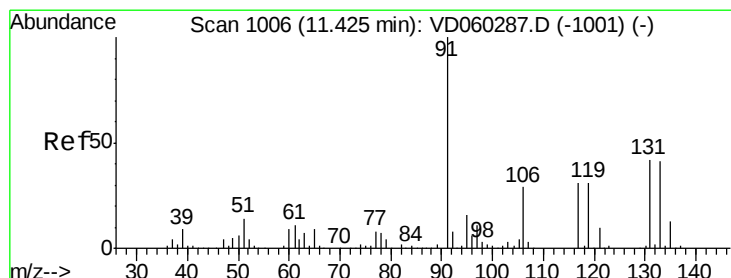
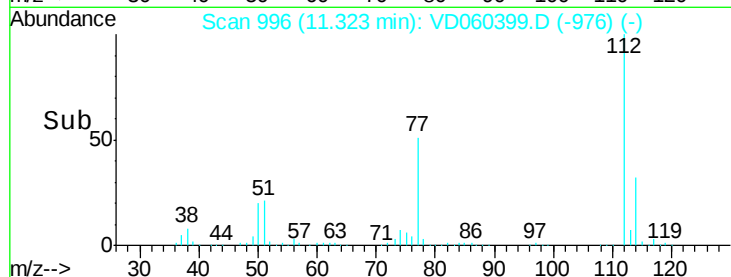
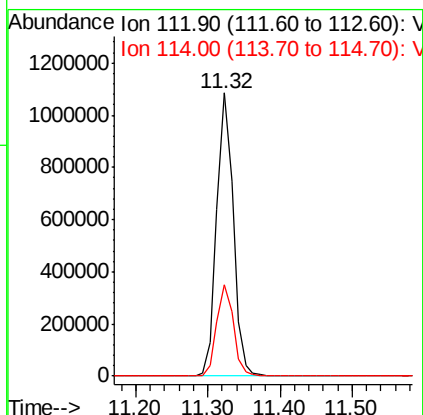
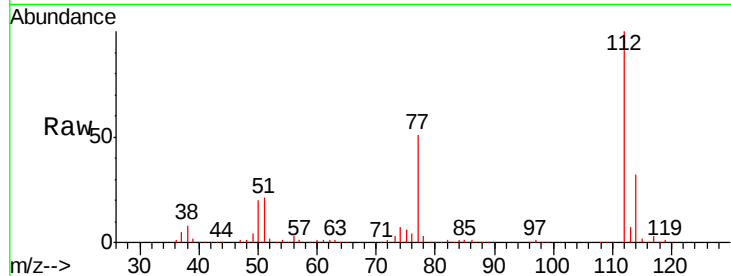




#65
Chlorobenzene
Concen: 56.78 ug/l
RT: 11.32 min Scan# 996
Delta R.T. -0.00 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

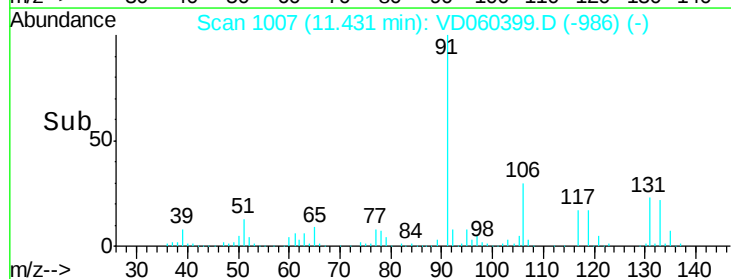
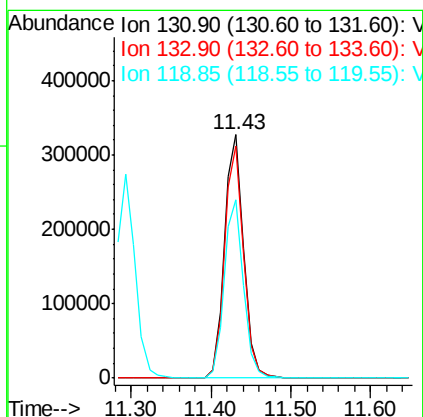
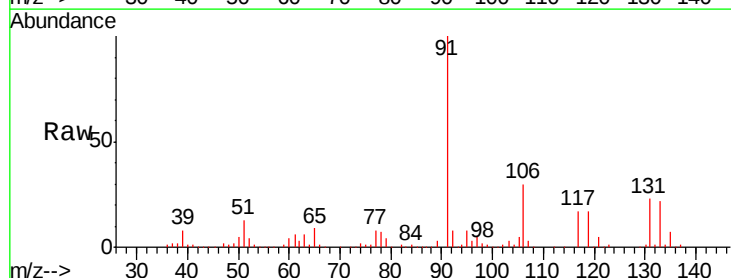
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MSD

Tgt Ion:112 Resp: 1714371
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 56.21 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

Tgt Ion:131 Resp: 555288
Ion Ratio Lower Upper
131 100
133 95.3 50.0 150.0
119 73.4 37.0 111.1

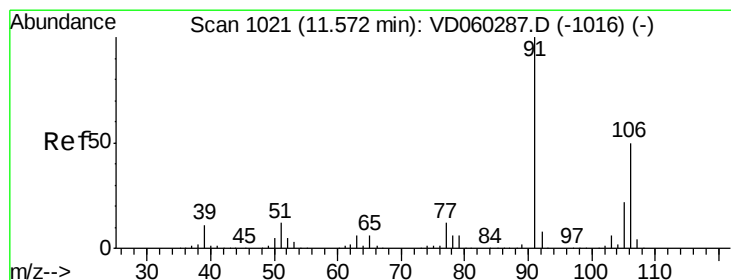
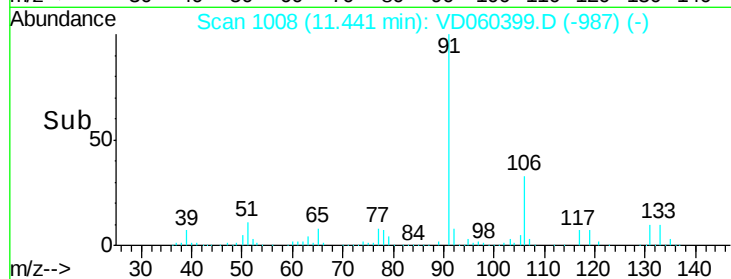
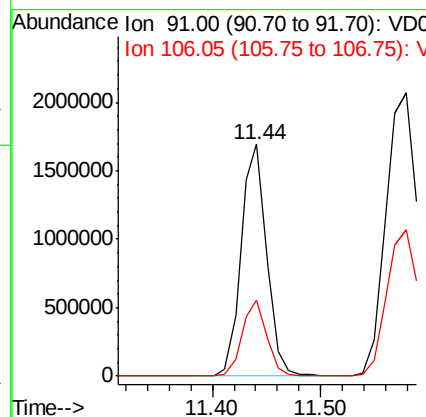
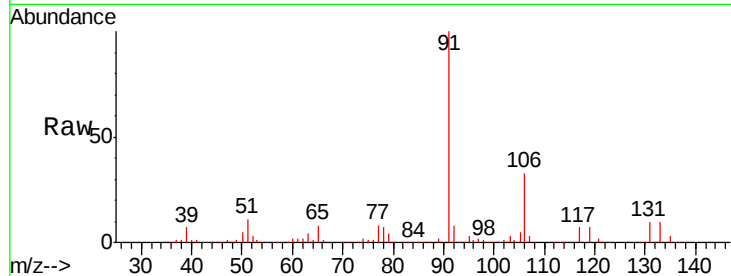




#67
Ethyl Benzene
Concen: 53.58 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

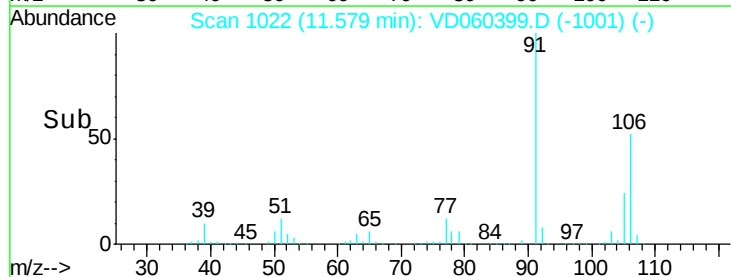
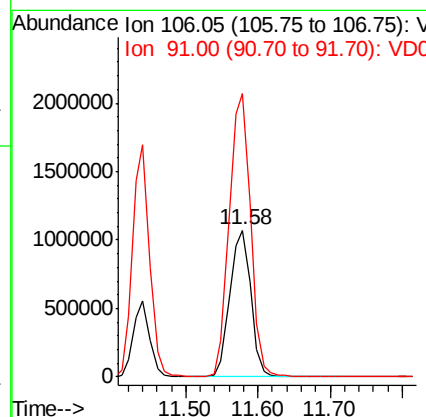
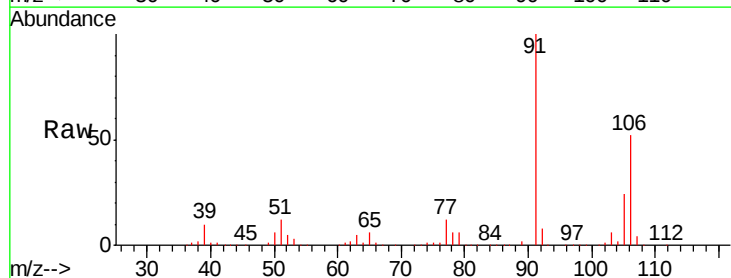
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MSD

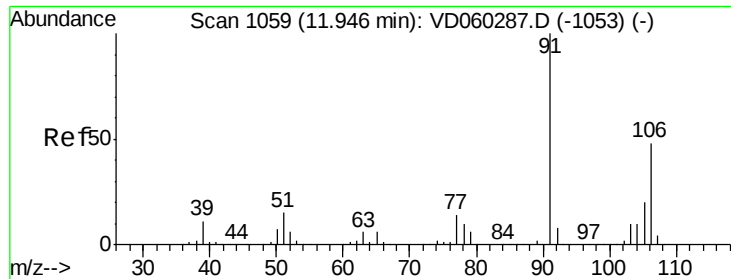
Tgt Ion: 91 Resp: 2767764
Ion Ratio Lower Upper
91 100
106 32.7 24.6 36.8



#68
m/p-Xylenes
Concen: 112.98 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

Tgt Ion: 106 Resp: 2152766
Ion Ratio Lower Upper
106 100
91 192.9 159.4 239.2

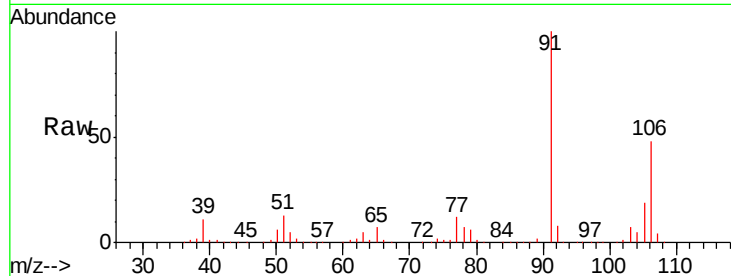




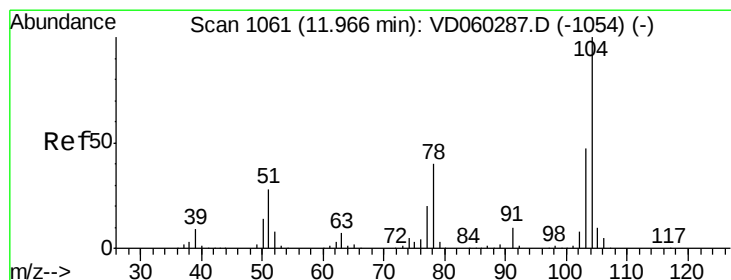
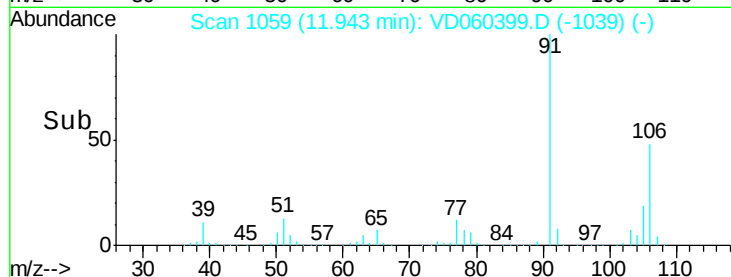
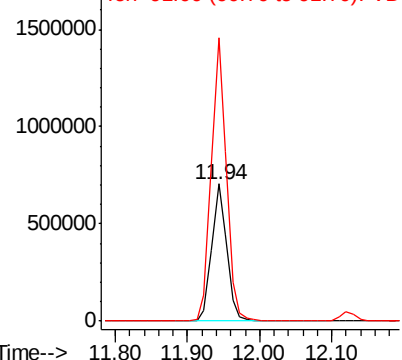
#69
o-Xylene
Concen: 55.32 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MSD

Tgt Ion:106 Resp: 1018372
Ion Ratio Lower Upper
106 100
91 206.3 109.2 327.6

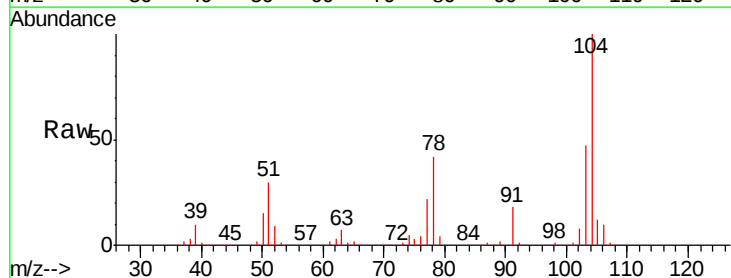


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

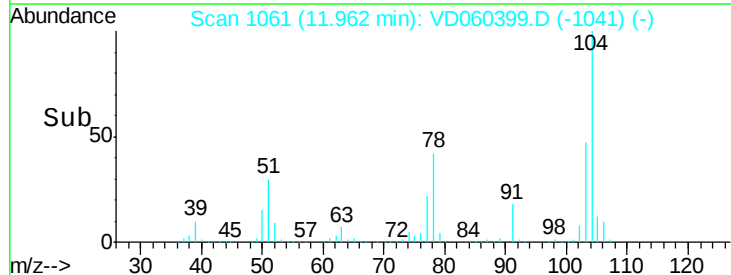
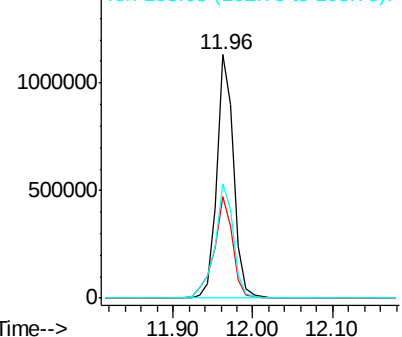


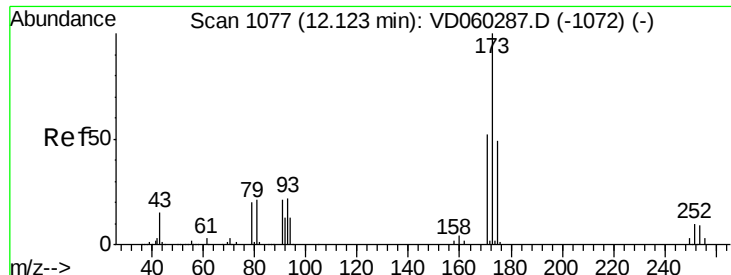
#70
Styrene
Concen: 56.65 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

Tgt Ion:104 Resp: 1685325
Ion Ratio Lower Upper
104 100
78 41.6 31.6 47.4
103 47.0 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: 51.06 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

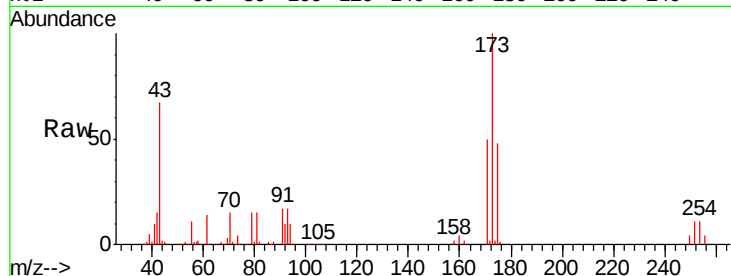
Tgt Ion:173 Resp: 338949

Ion Ratio Lower Upper

173 100

175 47.8 24.3 73.0

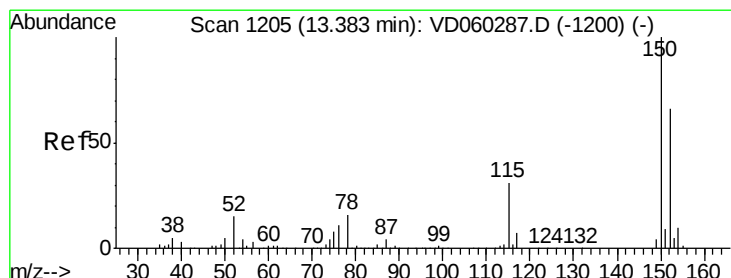
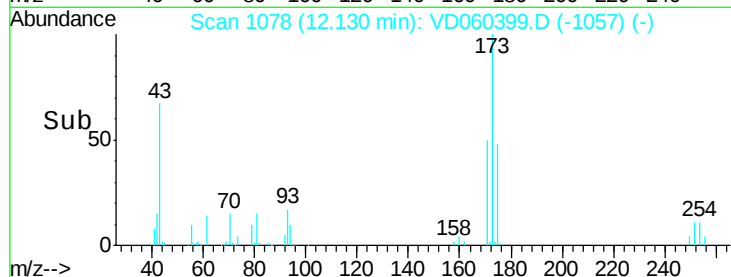
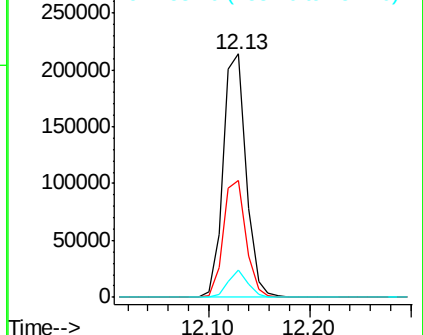
254 11.3 8.3 12.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

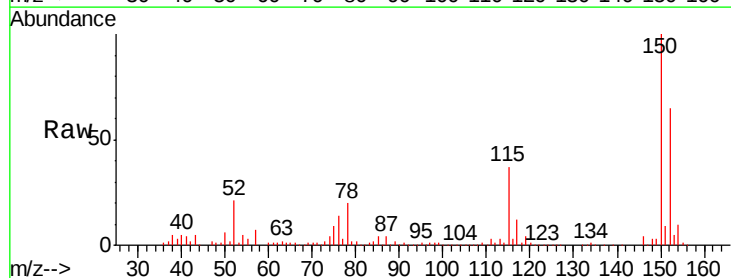
Tgt Ion:152 Resp: 679429

Ion Ratio Lower Upper

152 100

115 57.7 24.1 72.3

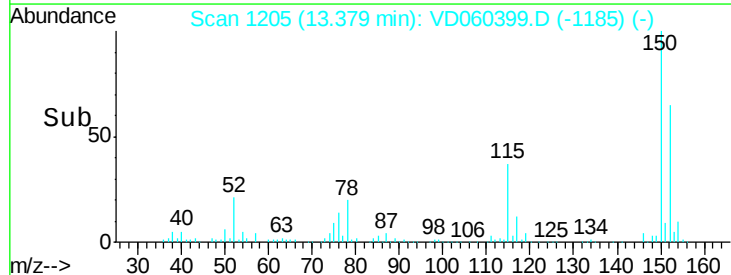
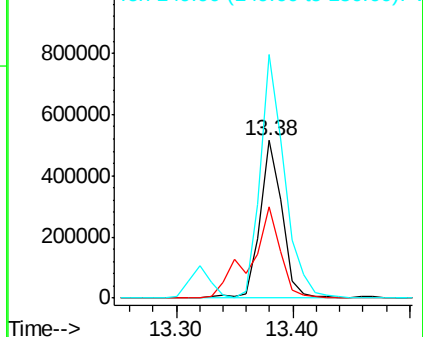
150 154.3 0.0 310.6

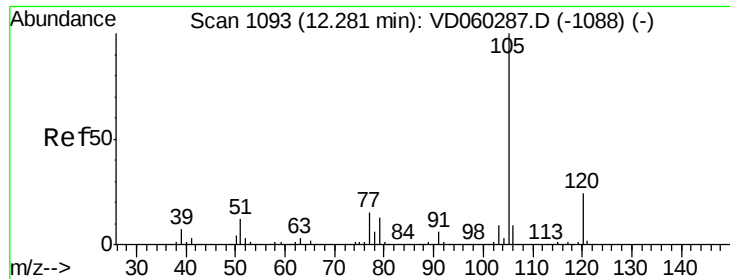


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.66 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

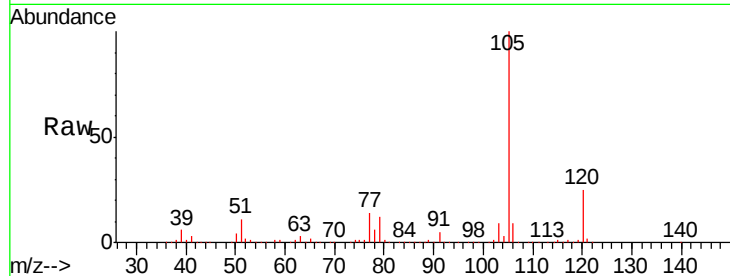
FDSB-05(25-27)MSD

Tgt Ion:105 Resp: 2854426

Ion Ratio Lower Upper

105 100

120 25.4 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.29

2000000

1500000

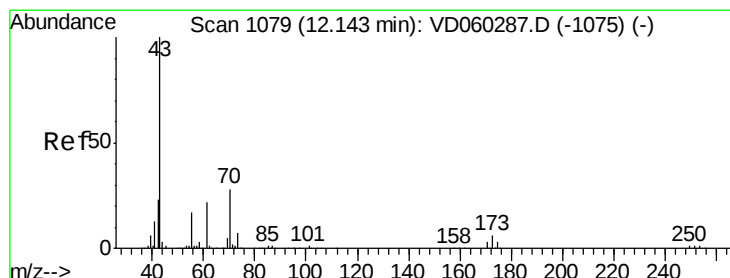
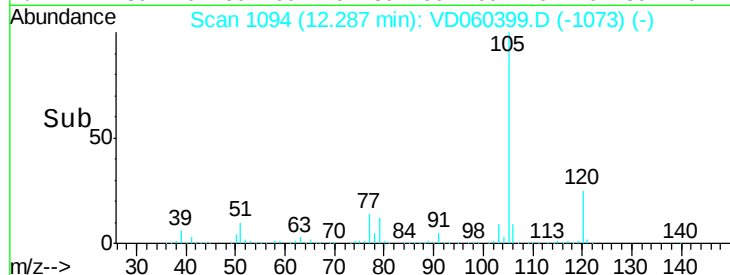
1000000

500000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 54.34 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Tgt Ion: 43 Resp: 689614

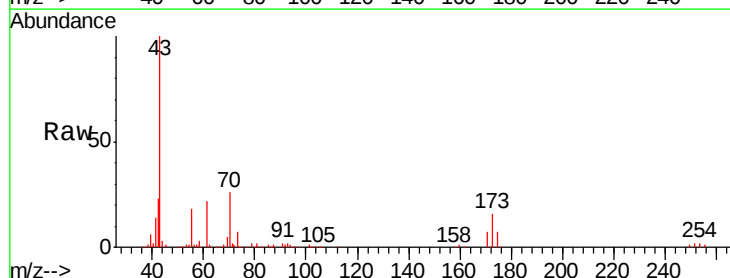
Ion Ratio Lower Upper

43 100

70 26.4 23.0 34.4

55 17.8 14.2 21.4

61 22.3 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

12.14

600000

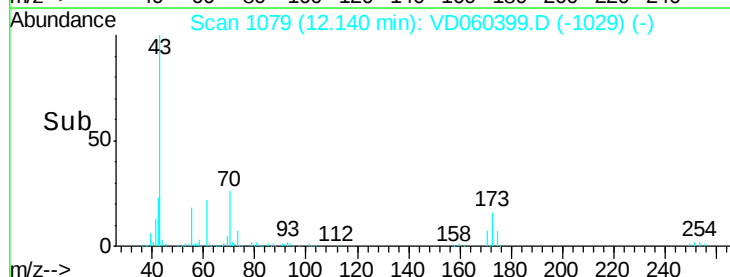
400000

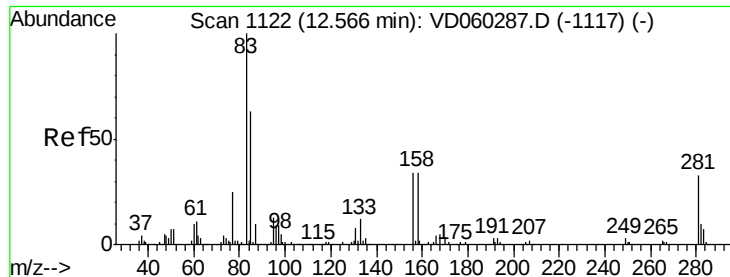
200000

0

12.00 12.10 12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.70 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

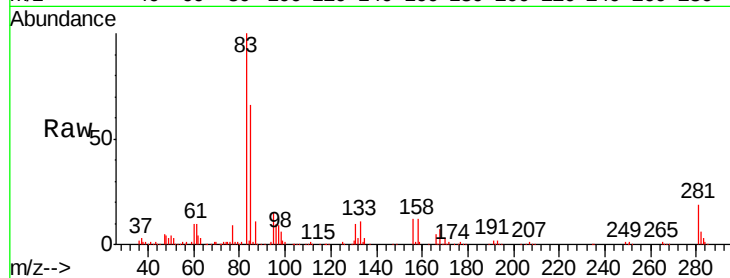
Tgt Ion: 83 Resp: 418547

Ion Ratio Lower Upper

83 100

131 10.0 3.9 11.5

85 66.2 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

12.57

300000

200000

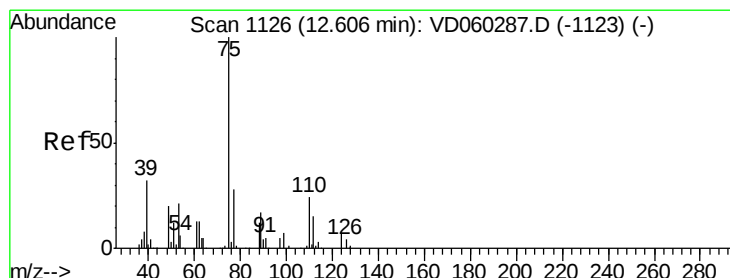
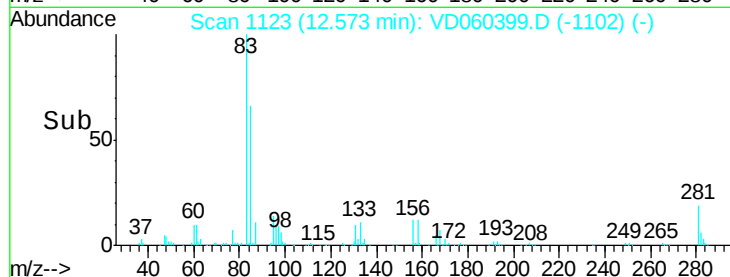
100000

0

12.50

12.60

Time-->



#76

1,2,3-Trichloropropane

Concen: 52.98 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD060399.D

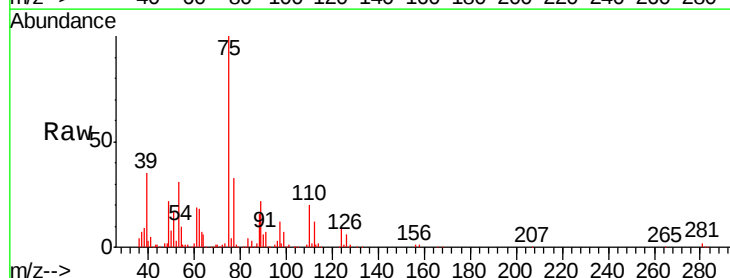
Acq: 16 Nov 2018 15:42

Tgt Ion: 75 Resp: 430604

Ion Ratio Lower Upper

75 100

77 32.8 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

600000

400000

200000

0

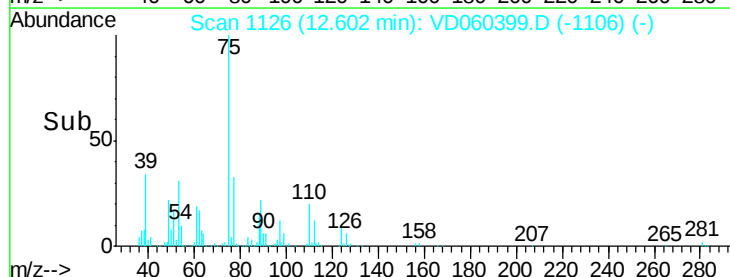
12.55

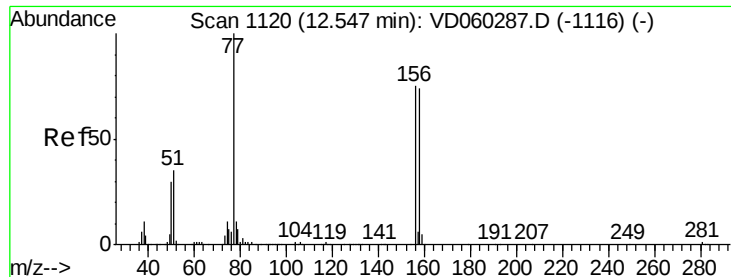
12.60

12.65

12.70

Time-->

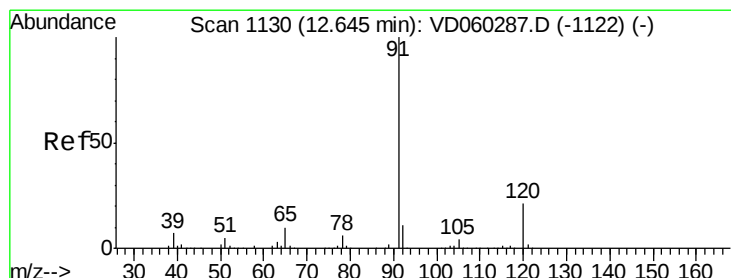
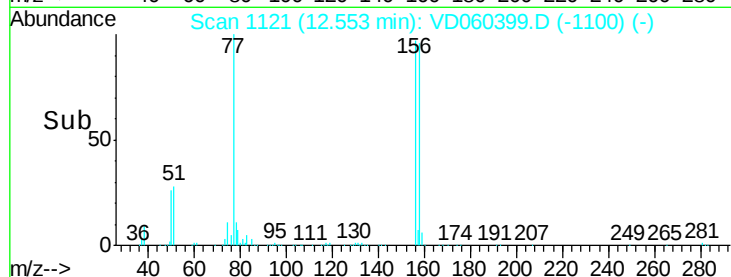
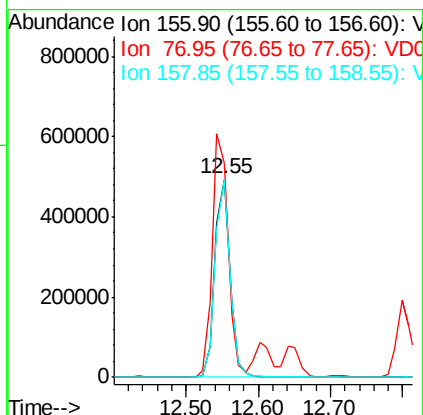
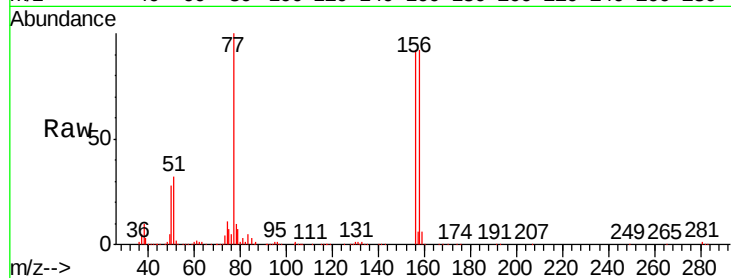




#77
Bromobenzene
Concen: 54.14 ug/l
RT: 12.55 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

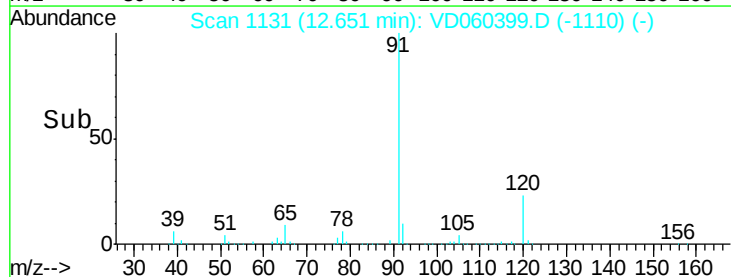
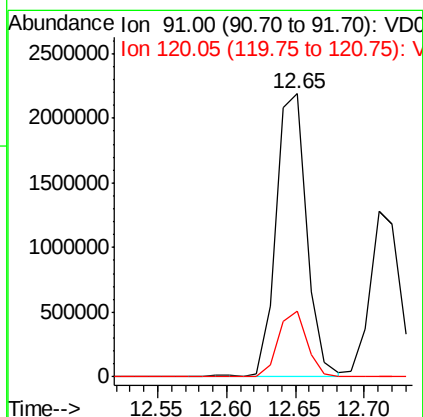
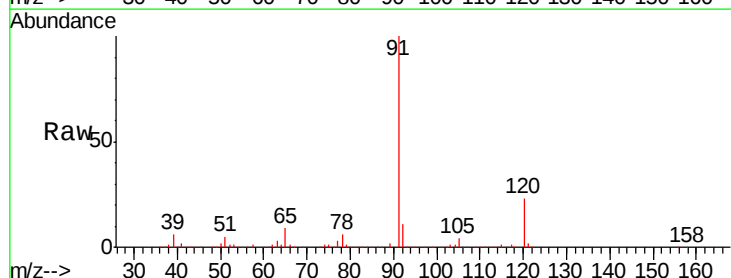
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MSD

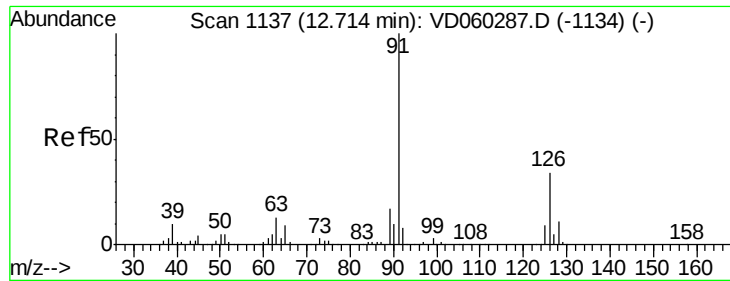
Tgt Ion:156 Resp: 711898
Ion Ratio Lower Upper
156 100
77 108.4 61.2 183.6
158 99.5 49.2 147.6



#78
n-propylbenzene
Concen: 54.26 ug/l
RT: 12.65 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

Tgt Ion: 91 Resp: 3352706
Ion Ratio Lower Upper
91 100
120 23.3 10.4 31.4

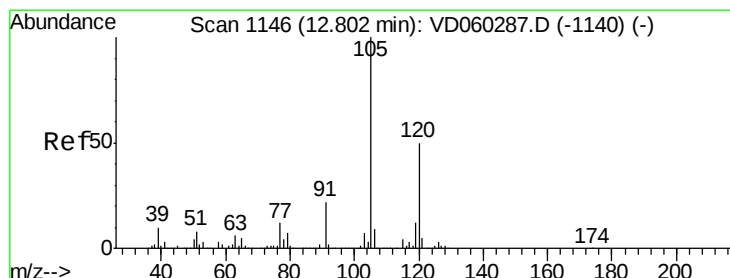
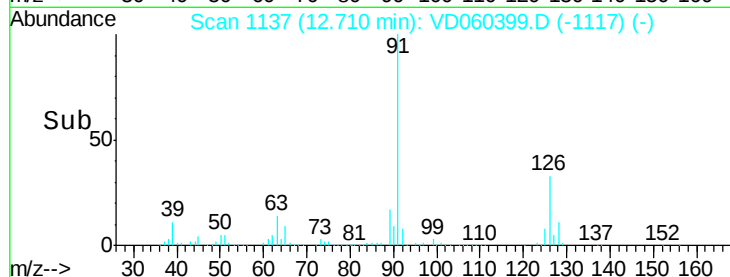
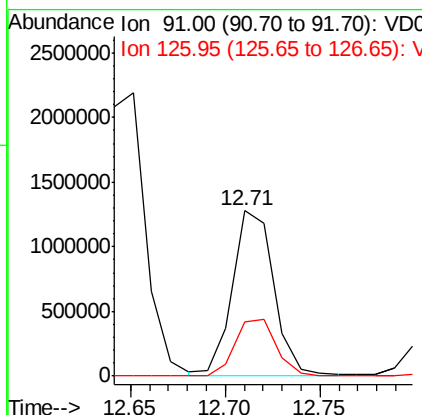
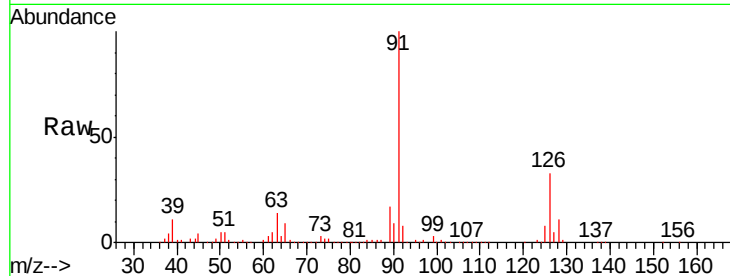




#79
 2-Chlorotoluene
 Concen: 56.76 ug/l
 RT: 12.71 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

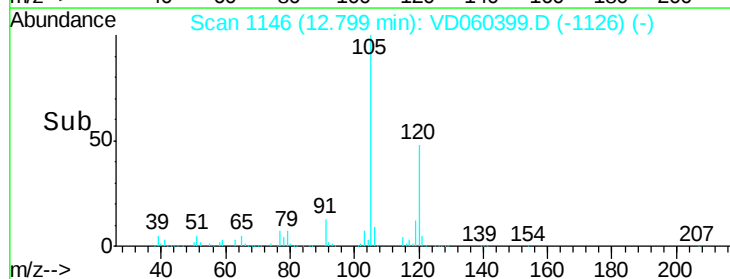
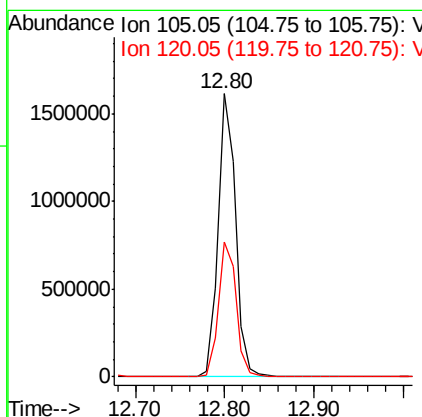
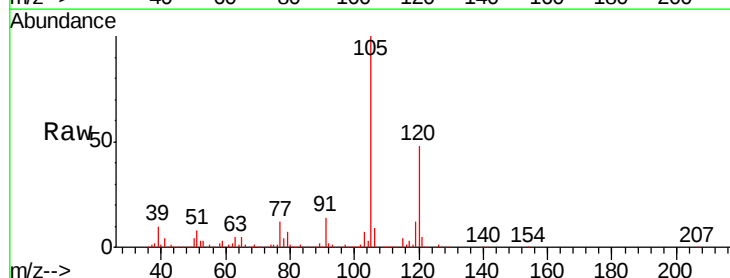
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

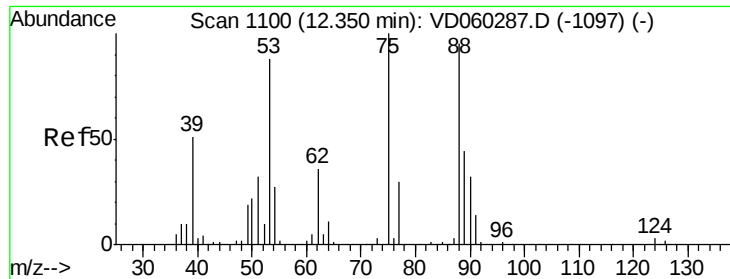
Tgt Ion: 91 Resp: 1920816
 Ion Ratio Lower Upper
 91 100
 126 32.9 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 57.33 ug/l
 RT: 12.80 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

Tgt Ion: 105 Resp: 2205311
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 52.52 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

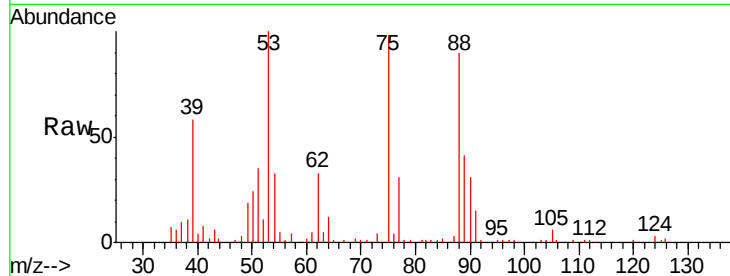
Tgt Ion: 75 Resp: 121523

Ion Ratio Lower Upper

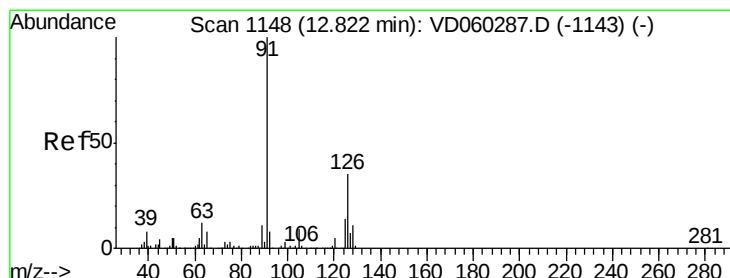
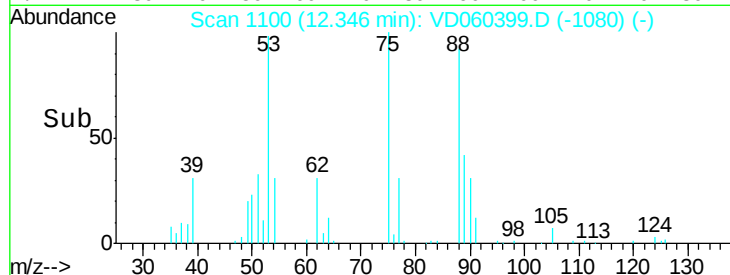
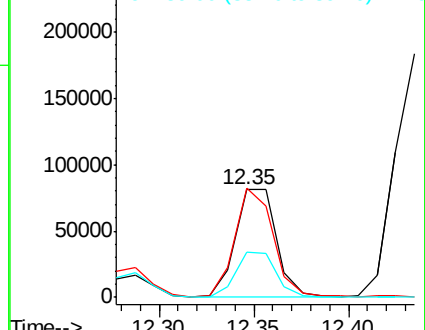
75 100

53 101.6 68.6 103.0

89 42.1 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: 56.50 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VD060399.D

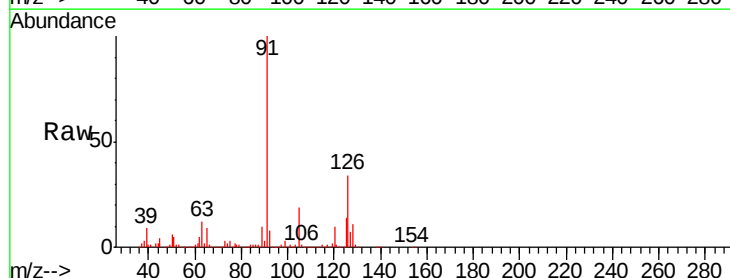
Acq: 16 Nov 2018 15:42

Tgt Ion: 91 Resp: 2147647

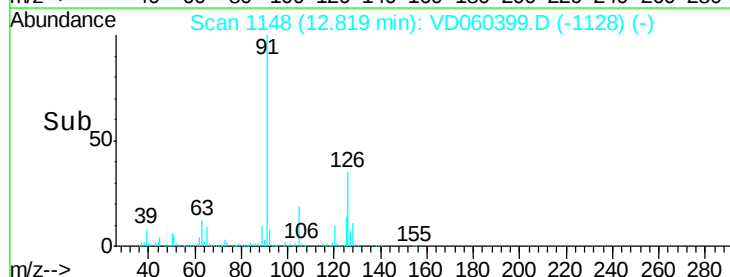
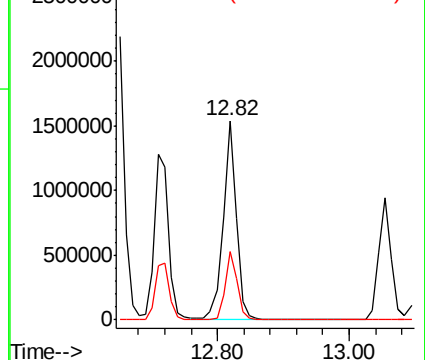
Ion Ratio Lower Upper

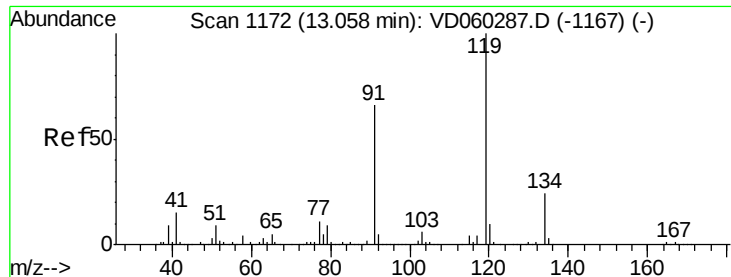
91 100

126 34.1 14.8 44.4



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

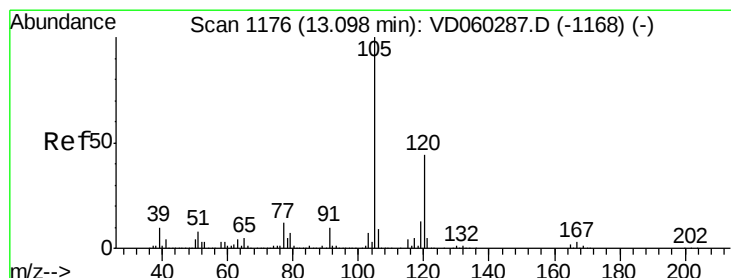
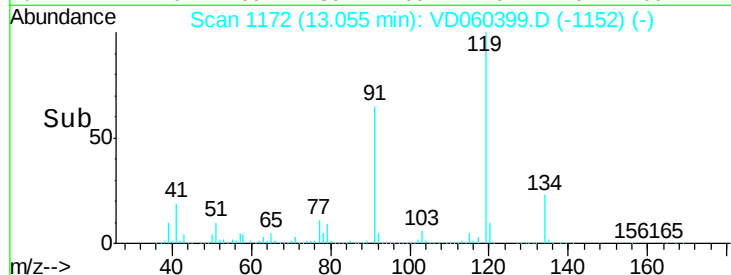
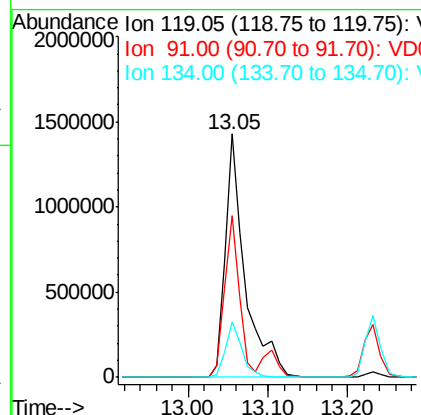
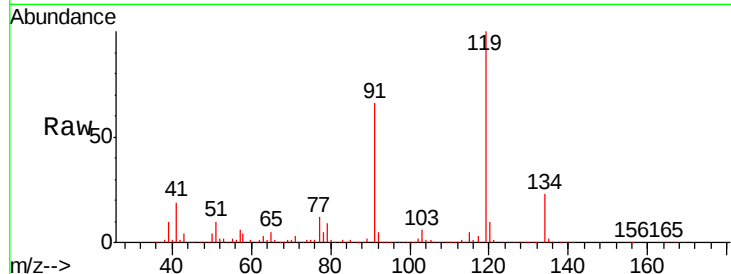




#83
 tert-Butylbenzene
 Concen: 58.70 ug/l
 RT: 13.05 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

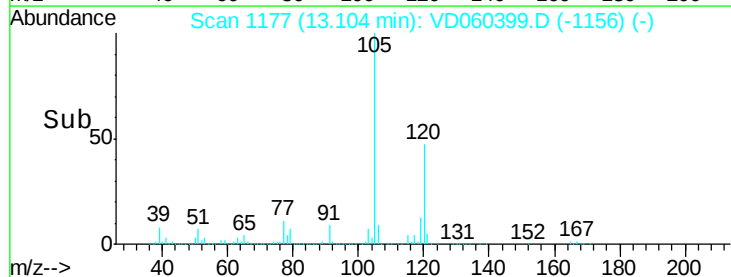
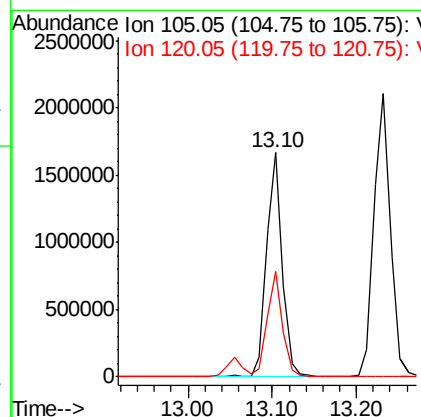
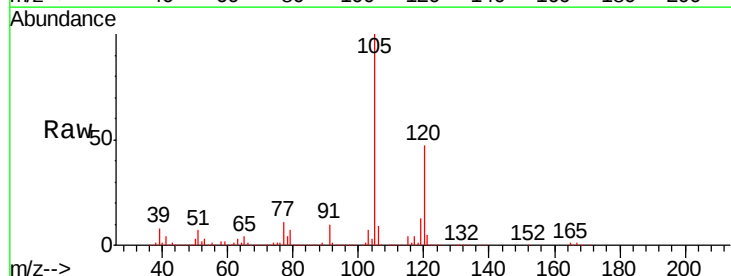
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

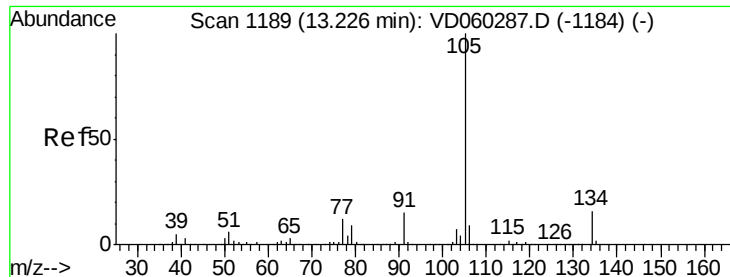
Tgt Ion:	119	Resp:	2506959
Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.7	98.1
134	23.0	12.1	36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 57.66 ug/l
 RT: 13.10 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

Tgt Ion:	105	Resp:	2215250
Ion	Ratio	Lower	Upper
105	100		
120	46.8	21.9	65.8

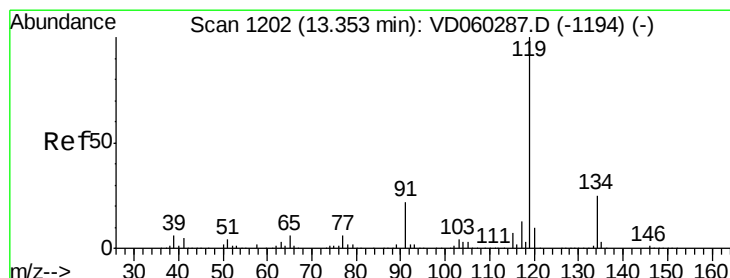
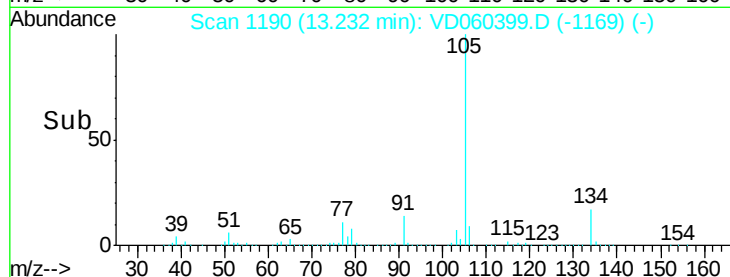
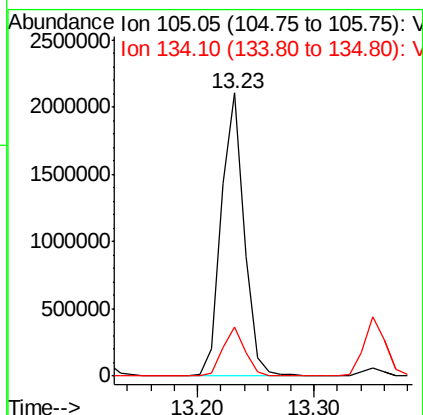
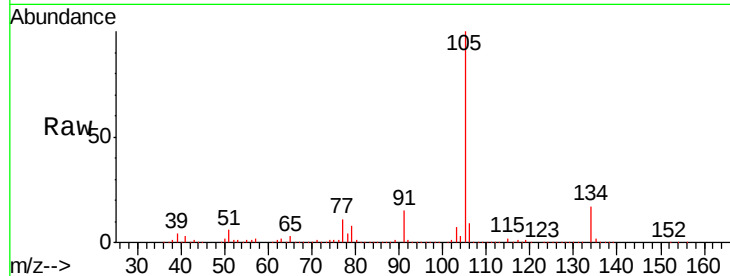




#85
 sec-Butylbenzene
 Concen: 54.32 ug/l
 RT: 13.23 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

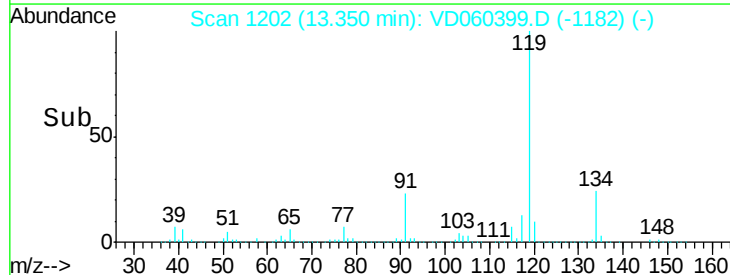
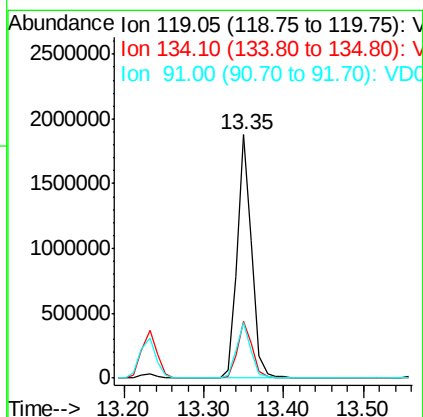
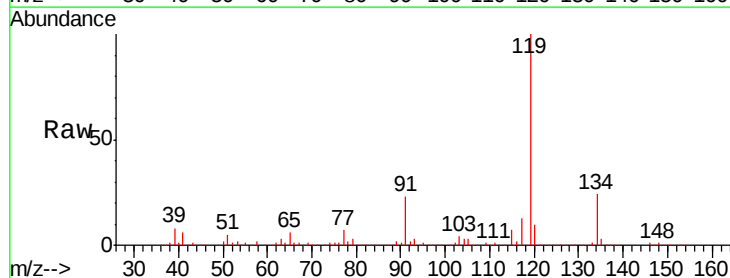
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

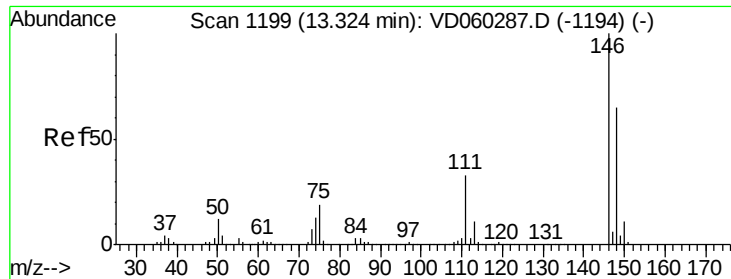
Tgt Ion:105 Resp: 2846338
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 56.39 ug/l
 RT: 13.35 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

Tgt Ion:119 Resp: 2379714
 Ion Ratio Lower Upper
 119 100
 134 23.5 12.9 38.6
 91 22.8 11.3 33.8

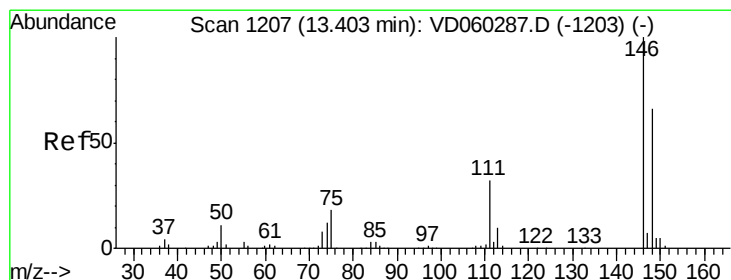
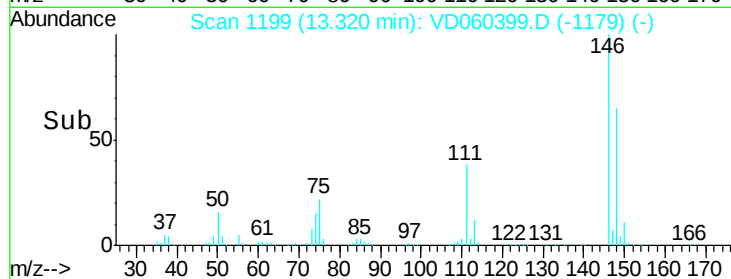
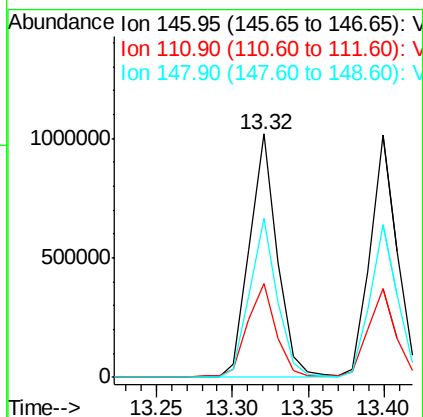
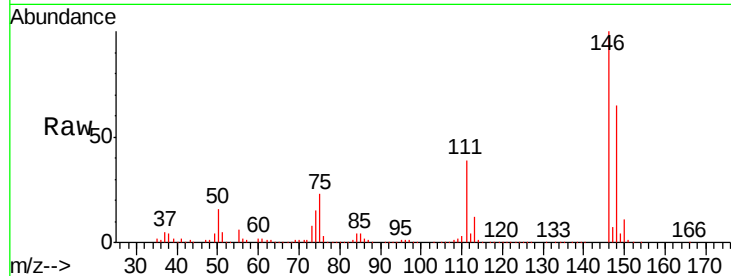




#87
 1,3-Dichlorobenzene
 Concen: 55.90 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

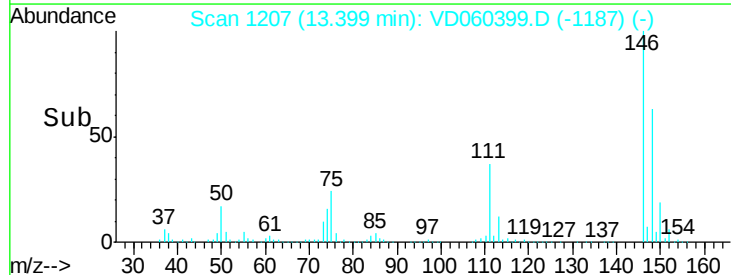
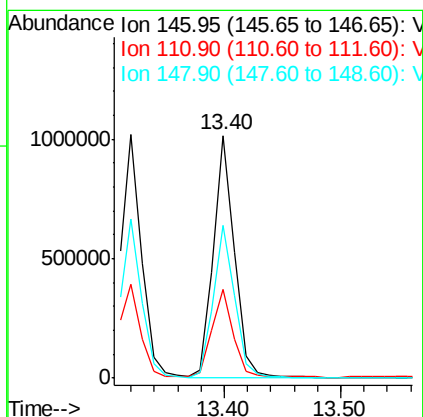
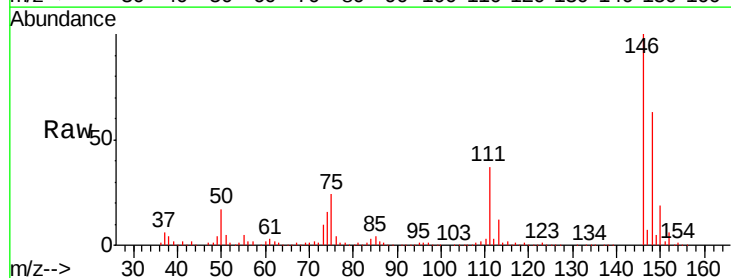
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

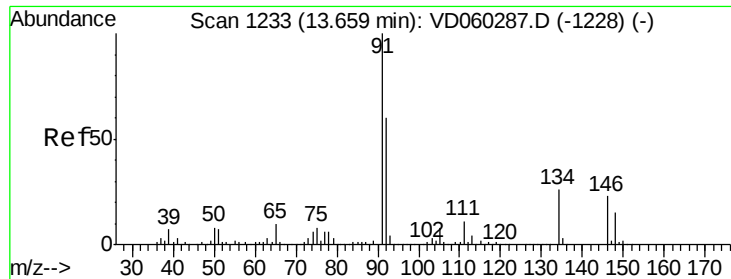
Tgt Ion:146 Resp: 1307693
 Ion Ratio Lower Upper
 146 100
 111 38.7 20.2 60.5
 148 65.4 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 55.71 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

Tgt Ion:146 Resp: 1272857
 Ion Ratio Lower Upper
 146 100
 111 36.8 16.0 47.9
 148 63.1 32.9 98.7

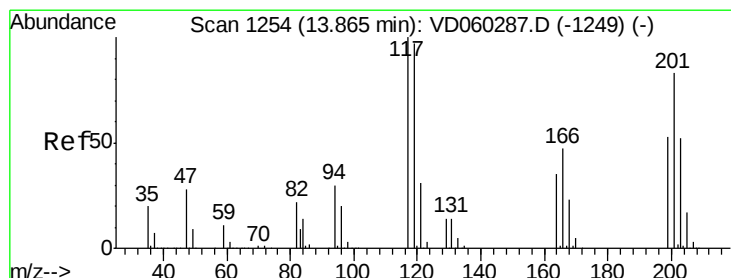
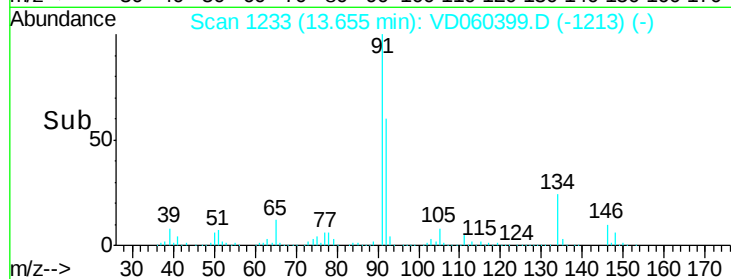
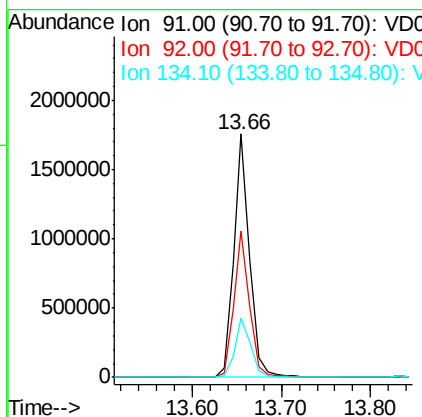
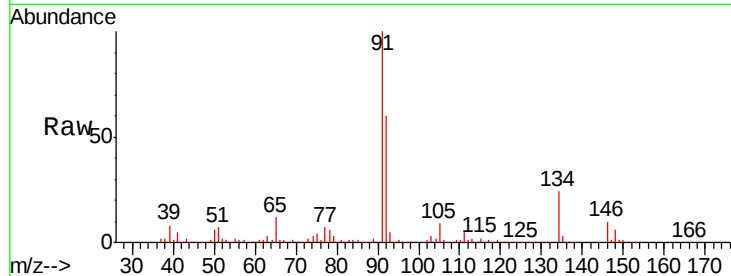




#89
n-Butylbenzene
Concen: 53.93 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

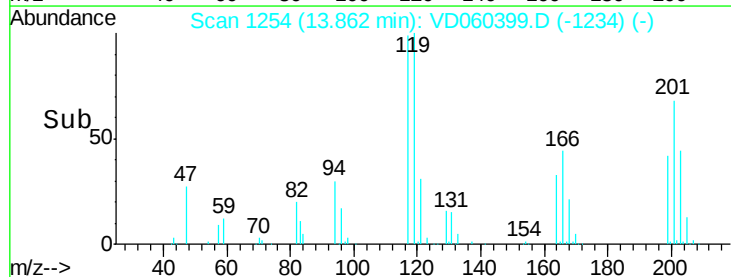
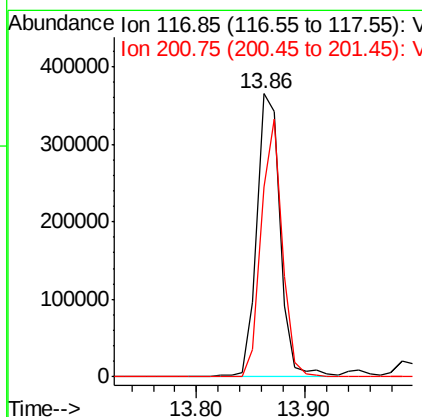
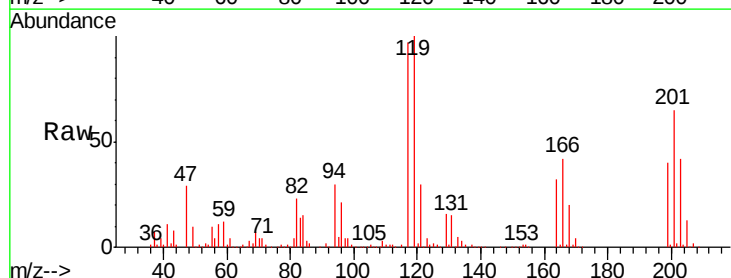
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MSD

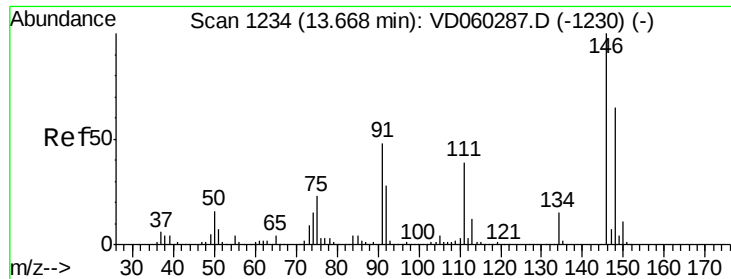
Tgt Ion: 91 Resp: 2183664
Ion Ratio Lower Upper
91 100
92 60.1 30.3 90.9
134 24.2 13.0 38.9



#90
Hexachloroethane
Concen: 55.57 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD060399.D
Acq: 16 Nov 2018 15:42

Tgt Ion: 117 Resp: 556040
Ion Ratio Lower Upper
117 100
201 67.1 40.1 120.3

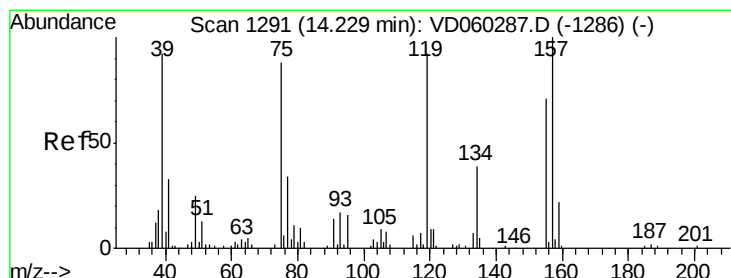
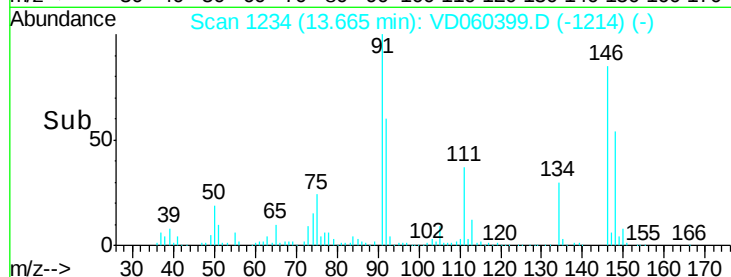
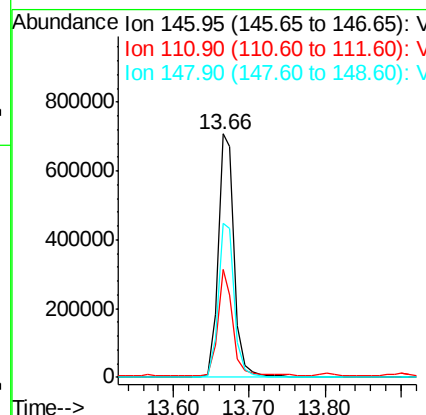
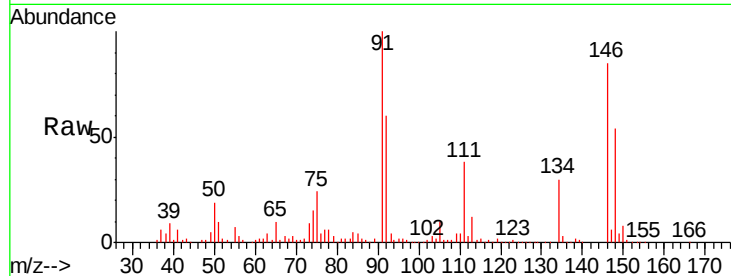




#91
 1,2-Dichlorobenzene
 Concen: 54.92 ug/l
 RT: 13.66 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

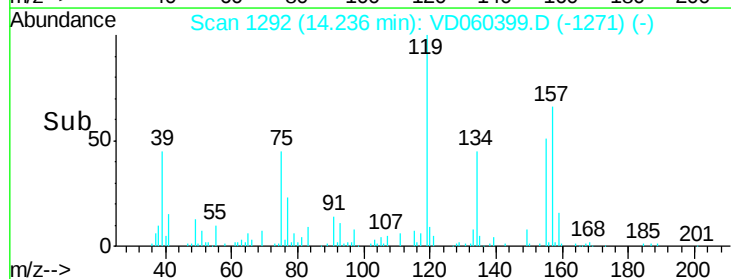
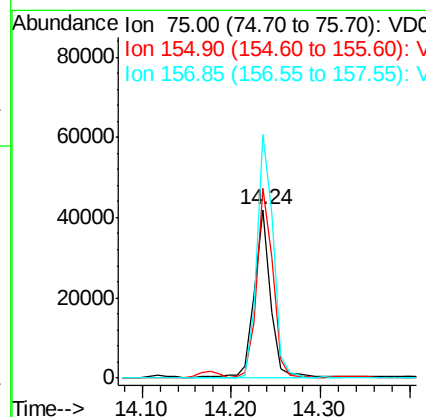
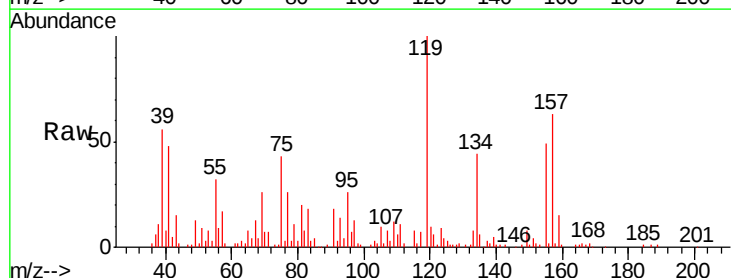
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

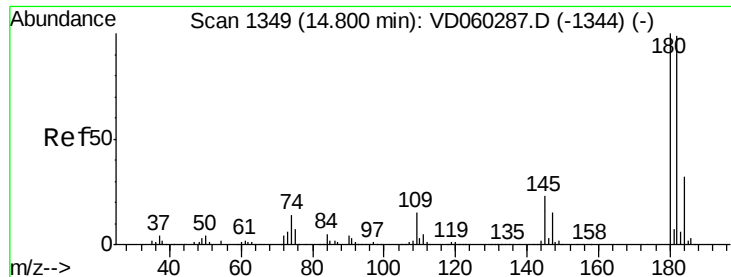
Tgt Ion:146 Resp: 1055205
 Ion Ratio Lower Upper
 146 100
 111 44.4 18.9 56.9
 148 63.3 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.94 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

Tgt Ion: 75 Resp: 53689
 Ion Ratio Lower Upper
 75 100
 155 112.9 64.3 192.9
 157 144.7 81.0 243.1

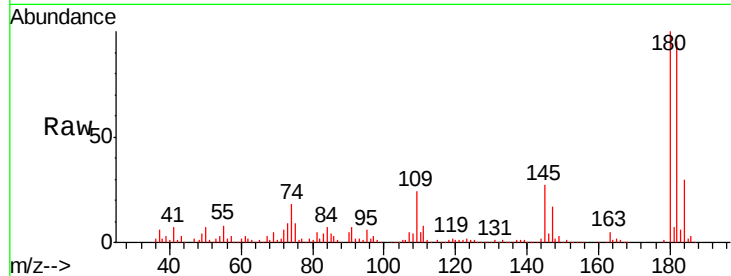




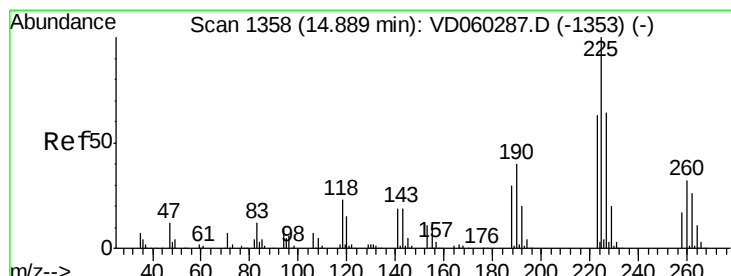
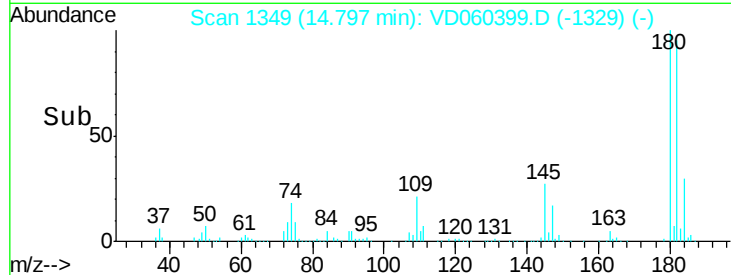
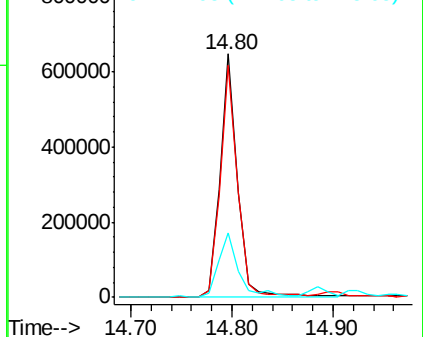
#93
 1,2,4-Trichlorobenzene
 Concen: 50.87 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

Tgt Ion:180 Resp: 775052
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.1 144.4
 145 26.7 11.5 34.4

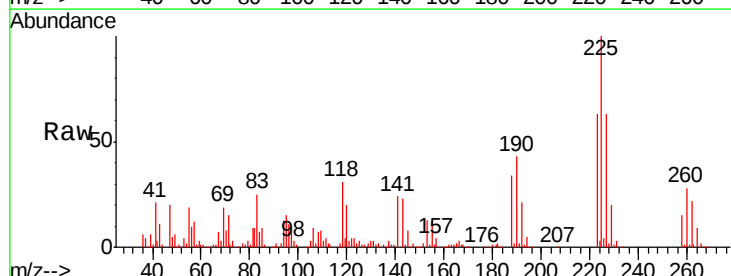


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

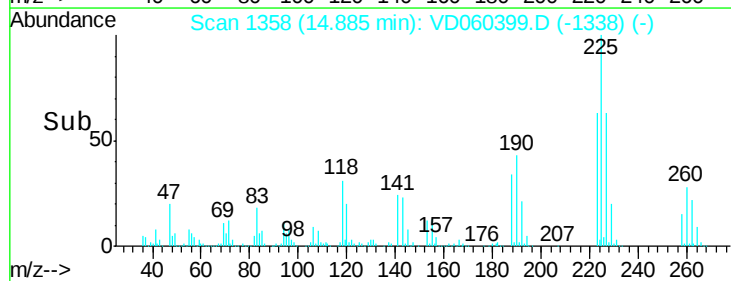
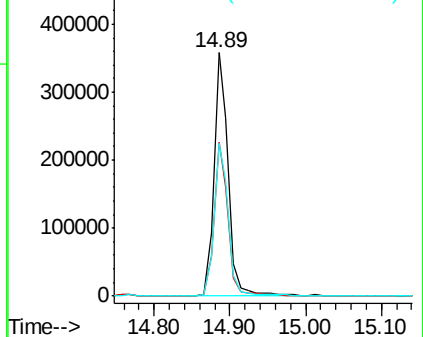


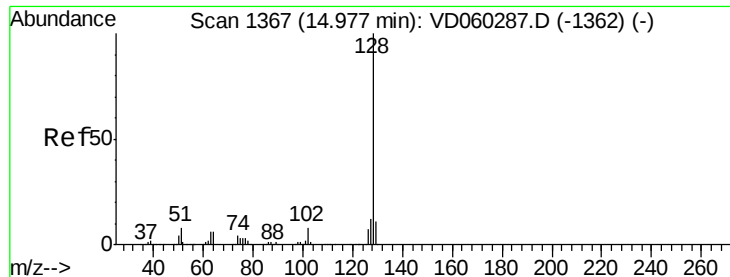
#94
 Hexachlorobutadiene
 Concen: 42.08 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD060399.D
 Acq: 16 Nov 2018 15:42

Tgt Ion:225 Resp: 479474
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.6 94.8
 227 62.7 32.3 96.9



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





#95

Naphthalene

Concen: 56.49 ug/l

RT: 14.97 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

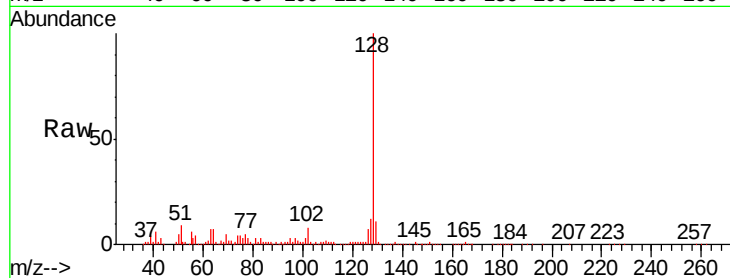
Tgt Ion:128 Resp: 1050830

Ion Ratio Lower Upper

128 100

127 12.4 9.6 14.4

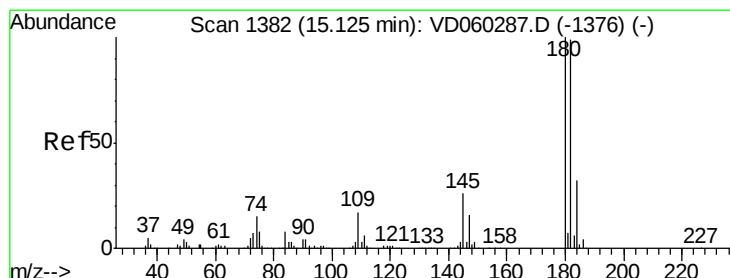
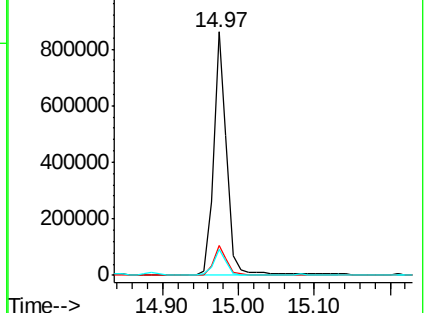
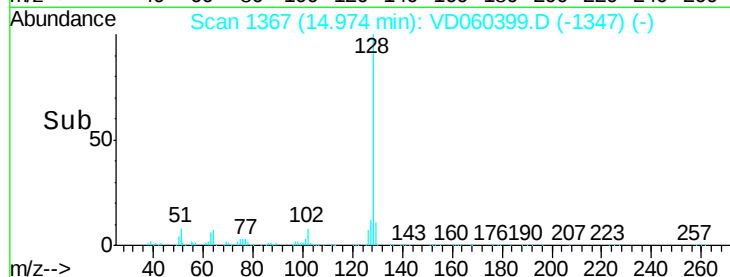
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.00 ug/l

RT: 15.12 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VD060399.D

Acq: 16 Nov 2018 15:42

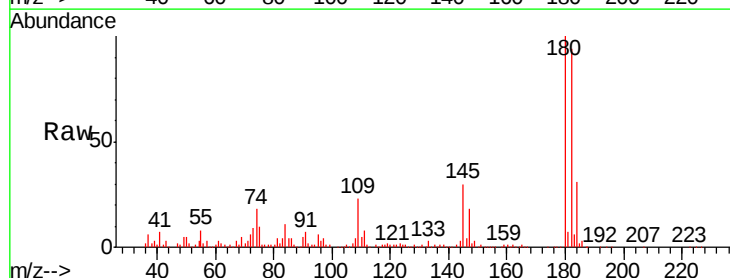
Tgt Ion:180 Resp: 647020

Ion Ratio Lower Upper

180 100

182 93.8 48.9 146.7

145 29.5 12.9 38.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

