

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111618\
 Data File : VD060398.D
 Acq On : 16 Nov 2018 15:14
 Operator : JC/SY
 Sample : J5918-03MS
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Nov 16 16:44:21 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	1329917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	1936991	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1493497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	581340	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	493382	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	6.34	113	720620	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
50) Toluene-d8	9.47	98	2069472	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.44	95	717358	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	499005	47.62	ug/l	98
3) Chloromethane	1.77	50	585801	46.50	ug/l	98
4) Vinyl Chloride	1.86	62	523604	50.90	ug/l	99
5) Bromomethane	2.16	94	134329	55.03	ug/l	94
6) Chloroethane	2.27	64	189611	55.55	ug/l	97
7) Trichlorofluoromethane	2.53	101	631097	52.03	ug/l	99
8) Diethyl Ether	2.84	74	138959	63.28	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.11	101	412831	51.75	ug/l	96
10) Methyl Iodide	3.25	142	501674	48.42	ug/l	100
11) Tert butyl alcohol	3.98	59	148484	379.73	ug/l #	91
12) 1,1-Dichloroethene	3.09	96	339185	52.27	ug/l	98
13) Acrolein	3.00	56	82517	178.59	ug/l	94
14) Allyl chloride	3.55	41	658765	53.06	ug/l	99
15) Acrylonitrile	4.10	53	750581	329.17	ug/l	99
16) Acetone	3.18	43	513474	310.86	ug/l	95
17) Carbon Disulfide	3.33	76	988005	47.17	ug/l	98
18) Methyl Acetate	3.57	43	241296	68.51	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	1193027	61.40	ug/l	99
20) Methylene Chloride	3.74	84	897901	61.28	ug/l	98
21) trans-1,2-Dichloroethene	4.12	96	747694	51.89	ug/l	98
22) Diisopropyl ether	4.87	45	2560671	55.20	ug/l	95
23) Vinyl Acetate	4.82	43	6619672	286.79	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1253960	52.72	ug/l	100
25) 2-Butanone	5.64	43	1029059	299.73	ug/l	97
26) 2,2-Dichloropropane	5.61	77	919747	49.73	ug/l	97
27) cis-1,2-Dichloroethene	5.61	96	796284	53.05	ug/l	95
28) Bromochloromethane	5.94	49	573345	54.63	ug/l	93
29) Tetrahydrofuran	5.97	42	551915	304.90	ug/l	96
30) Chloroform	6.12	83	1217150	51.18	ug/l	97
31) Cyclohexane	6.38	56	1060537	46.65	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	1023664	51.10	ug/l	98
36) 1,1-Dichloropropene	6.54	75	907647	47.43	ug/l	95
37) Ethyl Acetate	5.71	43	523973	59.50	ug/l	98
38) Carbon Tetrachloride	6.52	117	839868	47.31	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	1236275	56.17	ug/l	99
40) Benzene	6.81	78	2422887	49.60	ug/l	99
41) Methacrylonitrile	5.96	41	599079	59.44	ug/l #	97
42) 1,2-Dichloroethane	6.91	62	692464	54.16	ug/l	100
43) Isopropyl Acetate	8.36	43	709048	64.10	ug/l #	100
44) Trichloroethene	7.76	130	754208	50.93	ug/l	98
45) 1,2-Dichloropropane	8.12	63	657496	53.37	ug/l	98
46) Dibromomethane	8.23	93	396733	54.98	ug/l	99
47) Bromodichloromethane	8.51	83	841323	49.48	ug/l #	99
48) Methyl methacrylate	8.26	41	433177	64.47	ug/l	95
49) 1,4-Dioxane	8.24	88	78772	1355.01	ug/l	88
51) 4-Methyl-2-Pentanone	9.36	43	2129554	295.80	ug/l	96
52) Toluene	9.56	92	1564226	50.13	ug/l	99
53) t-1,3-Dichloropropene	9.94	75	776282	54.04	ug/l	98
54) cis-1,3-Dichloropropene	9.12	75	929935	50.47	ug/l	97
55) 1,1,2-Trichloroethane	10.20	97	481031	53.19	ug/l	99
56) Ethyl methacrylate	10.04	69	513299	61.73	ug/l	99
57) 1,3-Dichloropropane	10.40	76	744412	54.02	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.94	63	1523357	302.98	ug/l	97
59) 2-Hexanone	10.51	43	1429510	278.59	ug/l	97
60) Dibromochloromethane	10.65	129	609957	55.48	ug/l	99
61) 1,2-Dibromoethane	10.77	107	527503	58.21	ug/l	98
64) Tetrachloroethene	10.27	164	622782	46.71	ug/l	97
65) Chlorobenzene	11.32	112	1720955	53.18	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	563011	53.18	ug/l	97
67) Ethyl Benzene	11.44	91	2702207	48.81	ug/l	97
68) m/p-Xylenes	11.58	106	2018659	98.86	ug/l	96
69) o-Xylene	11.94	106	1036788	52.56	ug/l	93
70) Styrene	11.96	104	1693280	53.11	ug/l	96
71) Bromoform	12.13	173	388142	54.55	ug/l	98
73) Isopropylbenzene	12.29	105	2815962	66.48	ug/l	98
74) N-amyl acetate	12.15	43	1200877	110.59	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.57	83	736771	106.36	ug/l	100
76) 1,2,3-Trichloropropane	12.61	75	497362	71.52	ug/l	93
77) Bromobenzene	12.55	156	710276	63.13	ug/l	97
78) n-propylbenzene	12.65	91	3764348	71.20	ug/l	95
79) 2-Chlorotoluene	12.72	91	1784260	61.62	ug/l	95
80) 1,3,5-Trimethylbenzene	12.81	105	2048550	62.24	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.36	75	141725	71.58	ug/l #	68
82) 4-Chlorotoluene	12.82	91	1844232	56.70	ug/l	95
83) tert-Butylbenzene	13.06	119	2111104	57.77	ug/l	97
84) 1,2,4-Trimethylbenzene	13.10	105	3768278	114.63	ug/l	99
85) sec-Butylbenzene	13.23	105	2809052	62.65	ug/l	98
86) p-Isopropyltoluene	13.35	119	1926422	53.35	ug/l	95
87) 1,3-Dichlorobenzene	13.32	146	1082752	54.09	ug/l	90
88) 1,4-Dichlorobenzene	13.40	146	1062047	54.33	ug/l #	86
89) n-Butylbenzene	13.66	91	2559446	81.74	ug/l	98
90) Hexachloroethane	13.87	117	521505	60.91	ug/l	98
91) 1,2-Dichlorobenzene	13.68	146	779711	47.42	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	14.24	75	67514	80.74	ug/l #	41

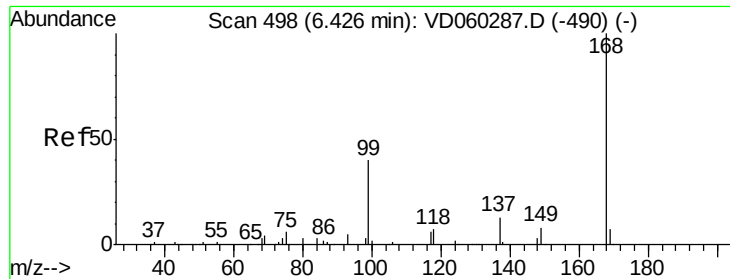
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD111618\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	545941	41.88	ug/l #	76
94) Hexachlorobutadiene	14.90	225	243474	24.97	ug/l	99
95) Naphthalene	14.98	128	1058309	66.49	ug/l	96
96) 1,2,3-Trichlorobenzene	15.12	180	490233	46.93	ug/l #	74

(#) = 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: VD060398.D

Acq: 16 Nov 2018 15:14

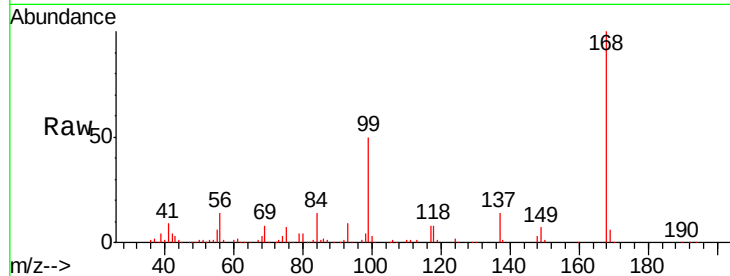
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

Tgt Ion:168 Resp: 1329917

Ion Ratio Lower Upper

168 100

99 49.8 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

500000

400000

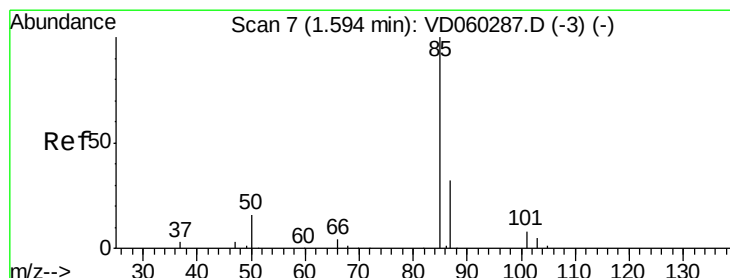
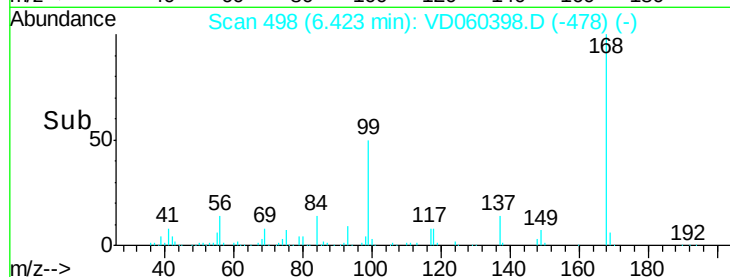
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.62 ug/l

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060398.D

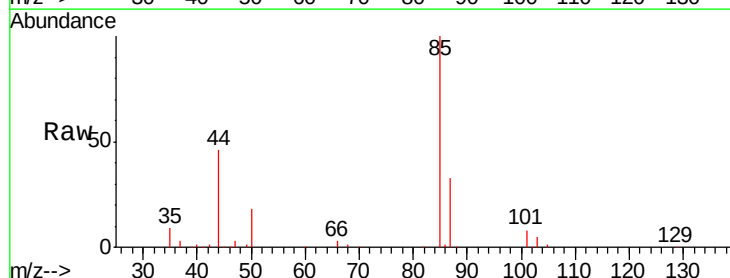
Acq: 16 Nov 2018 15:14

Tgt Ion: 85 Resp: 499005

Ion Ratio Lower Upper

85 100

87 32.7 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

250000

200000

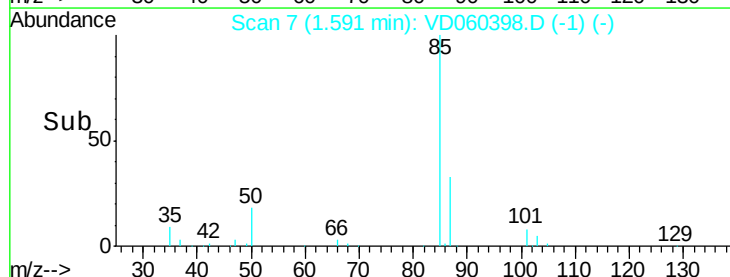
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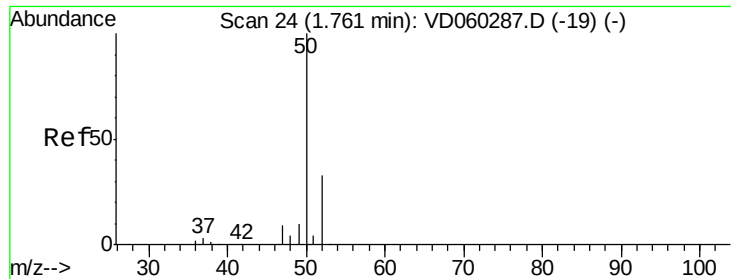
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.50 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

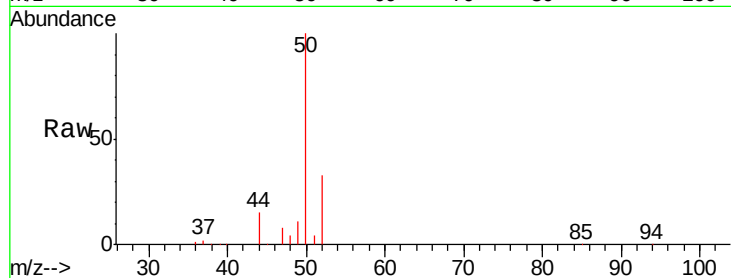
FDSB-05(25-27)MS

Tgt Ion: 50 Resp: 585801

Ion Ratio Lower Upper

50 100

52 33.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

200000

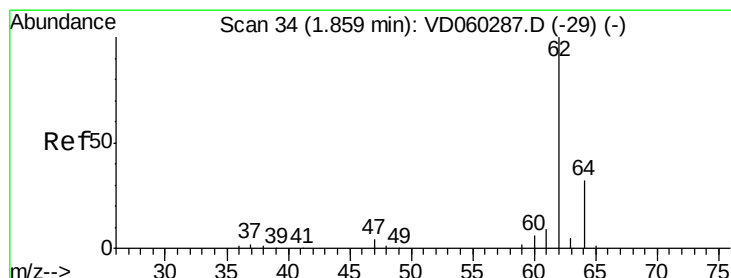
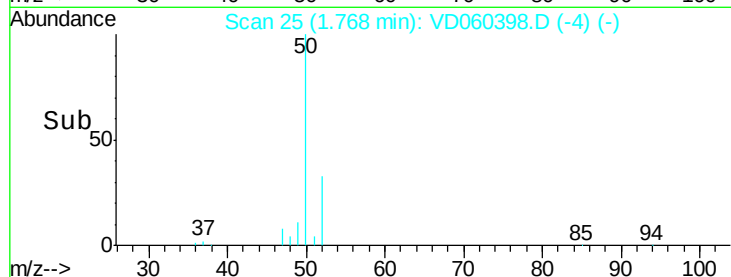
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 50.90 ug/l

RT: 1.86 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD060398.D

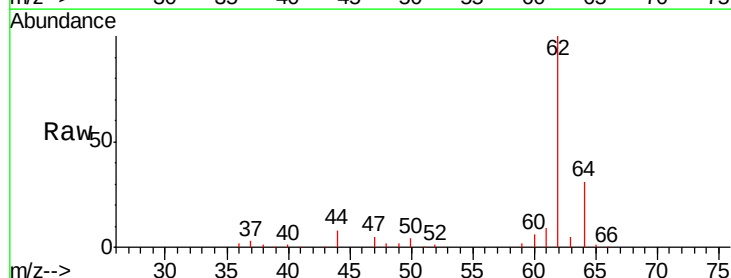
Acq: 16 Nov 2018 15:14

Tgt Ion: 62 Resp: 523604

Ion Ratio Lower Upper

62 100

64 30.8 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

250000

200000

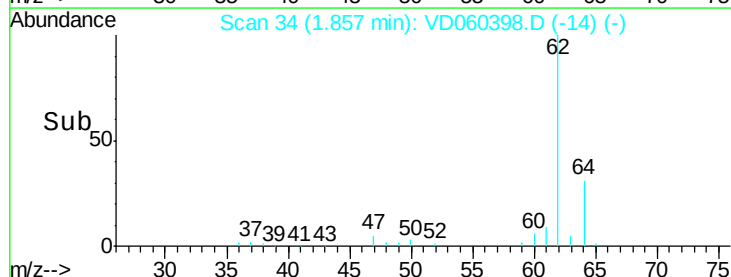
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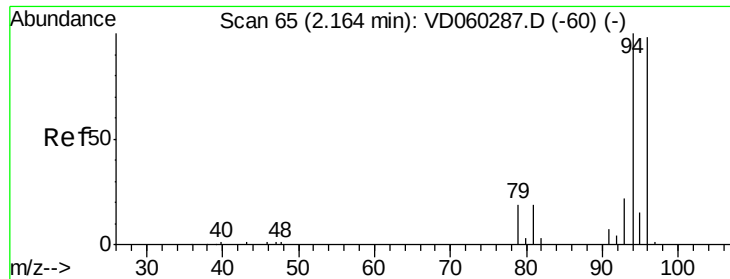
100000

50000

0

Time-->





#5

Bromomethane

Concen: 55.03 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

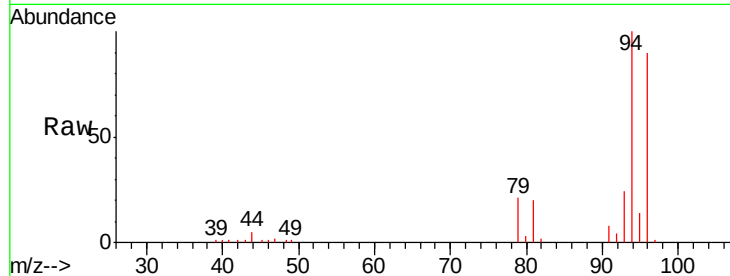
FDSB-05(25-27)MS

Tgt Ion: 94 Resp: 134329

Ion Ratio Lower Upper

94 100

96 89.7 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.16

60000

50000

40000

30000

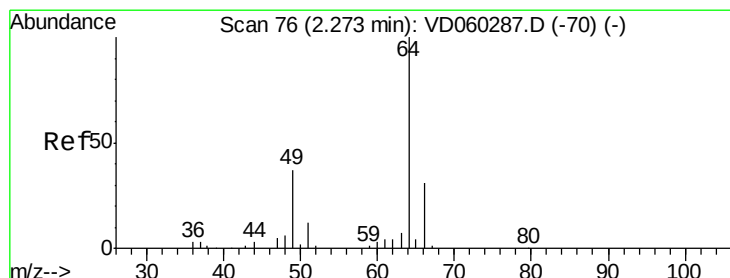
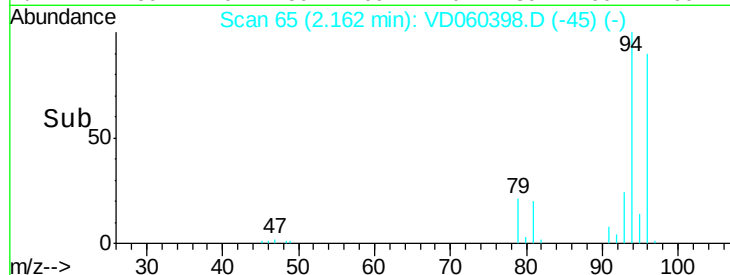
20000

10000

0

Time-->

2.10 2.20 2.30



#6

Chloroethane

Concen: 55.55 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060398.D

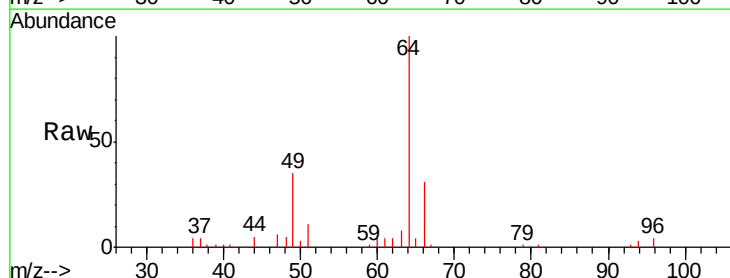
Acq: 16 Nov 2018 15:14

Tgt Ion: 64 Resp: 189611

Ion Ratio Lower Upper

64 100

66 31.4 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.27

80000

60000

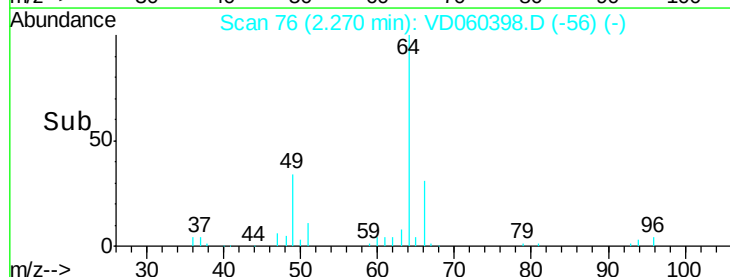
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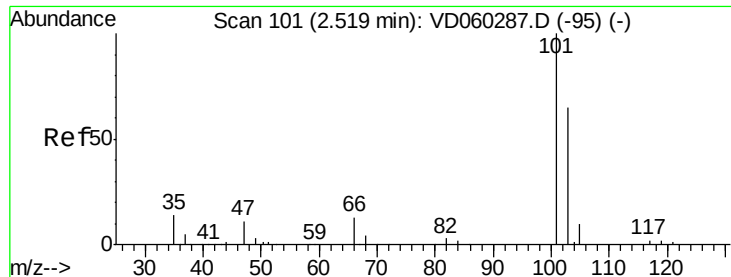
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Time-->

2.20 2.30 2.40 2.50



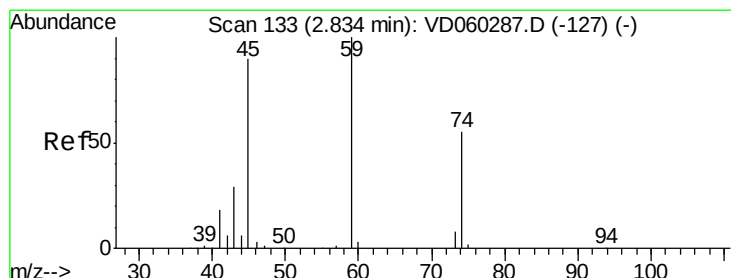
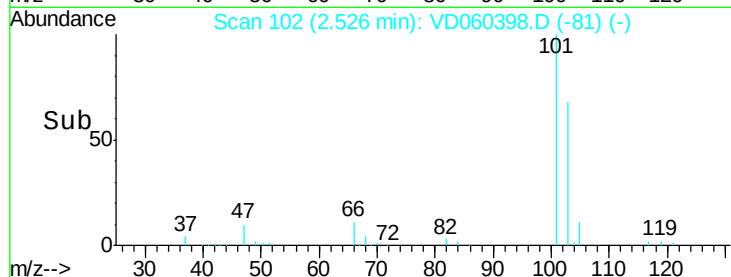
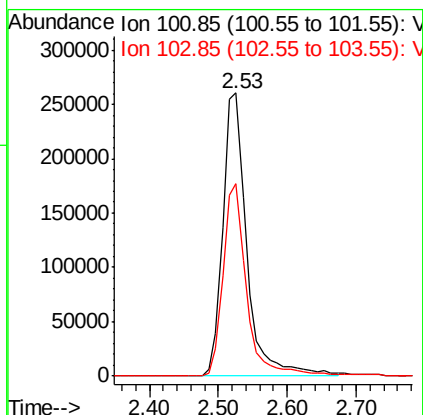
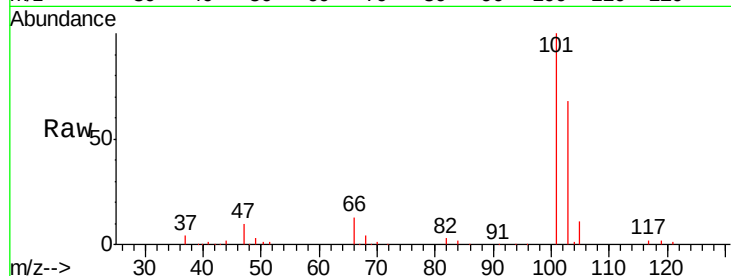


#7

Trichlorofluoromethane
Concen: 52.03 ug/l
RT: 2.53 min Scan# 102
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

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

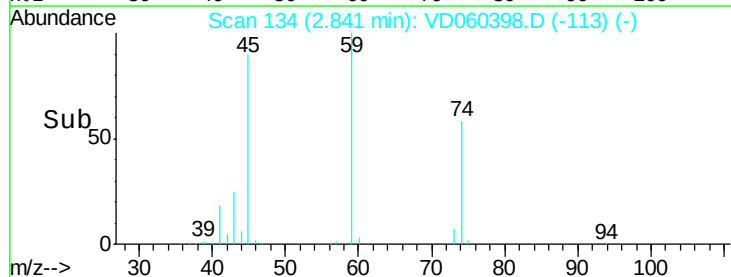
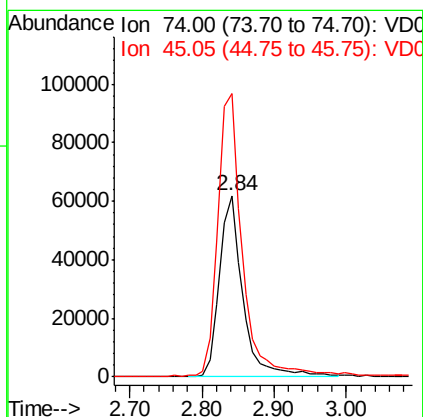
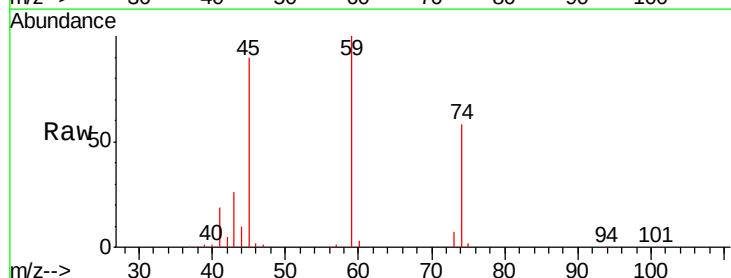
Tgt Ion: 101 Resp: 631097
Ion Ratio Lower Upper
101 100
103 68.2 53.6 80.4

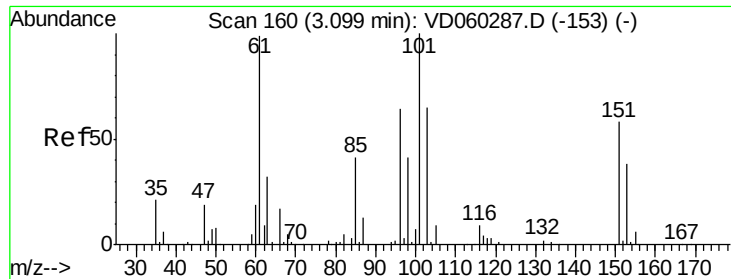


#8

Diethyl Ether
Concen: 63.28 ug/l
RT: 2.84 min Scan# 134
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

Tgt Ion: 74 Resp: 138959
Ion Ratio Lower Upper
74 100
45 156.2 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.75 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

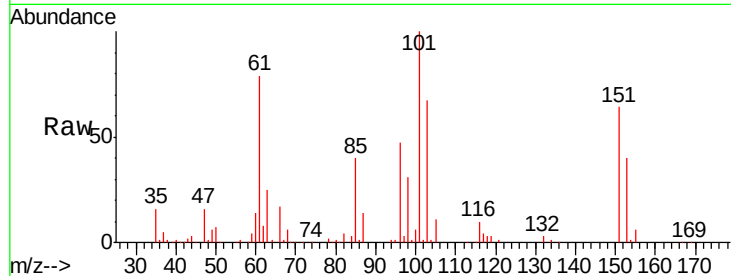
Tgt Ion:101 Resp: 412831

Ion Ratio Lower Upper

101 100

85 40.2 31.4 47.0

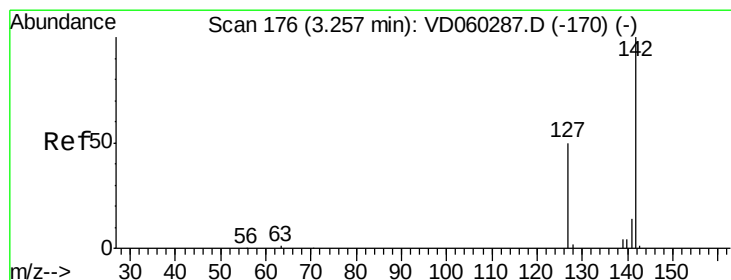
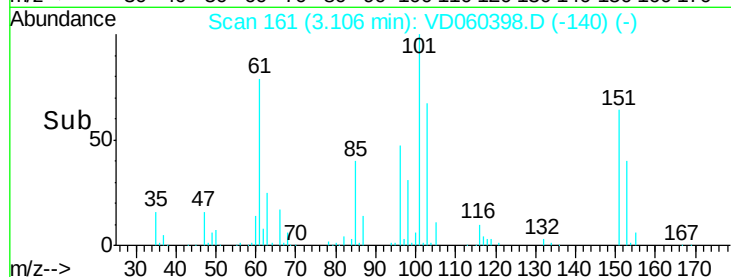
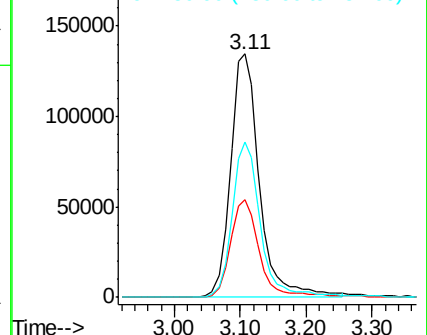
151 63.9 47.4 71.0



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: 48.42 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

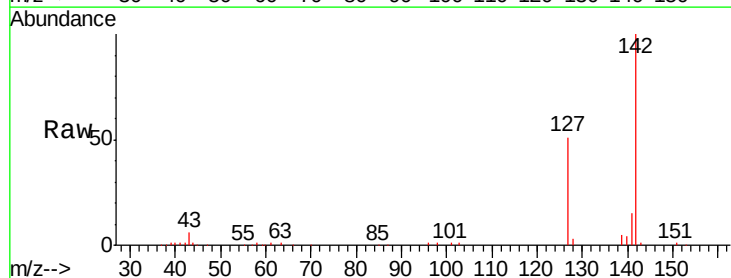
Tgt Ion:142 Resp: 501674

Ion Ratio Lower Upper

142 100

127 51.4 41.0 61.6

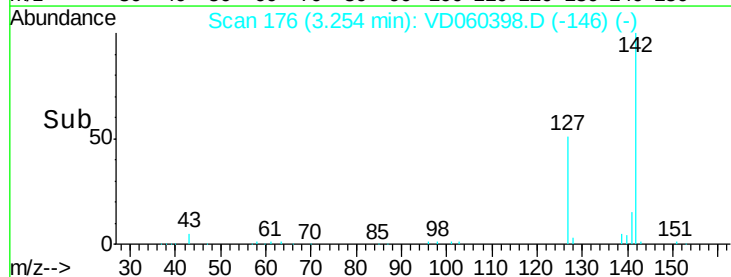
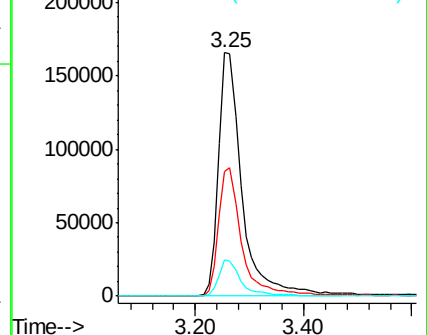
141 15.1 11.9 17.9

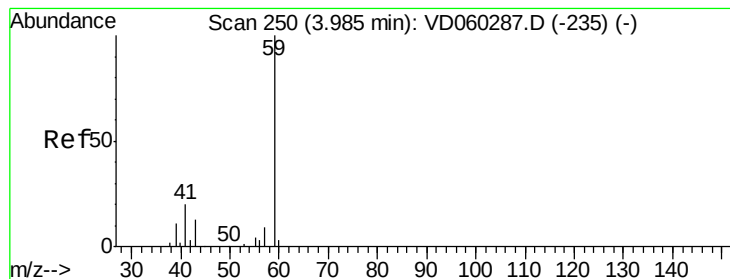


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



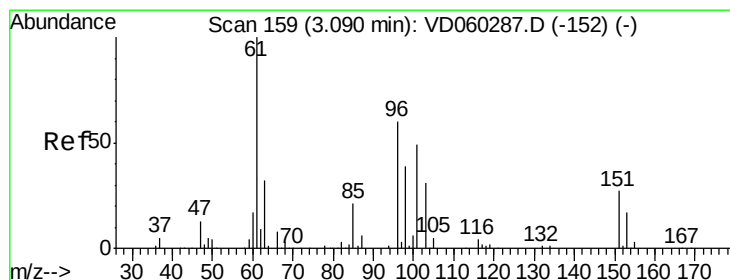
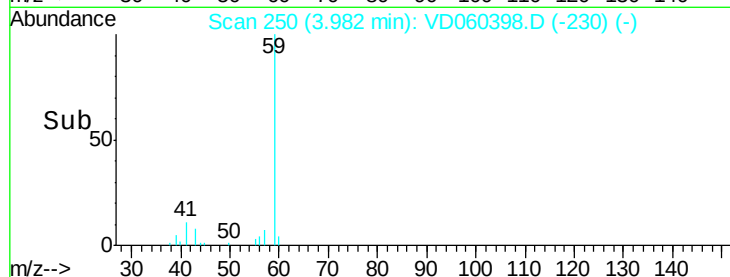
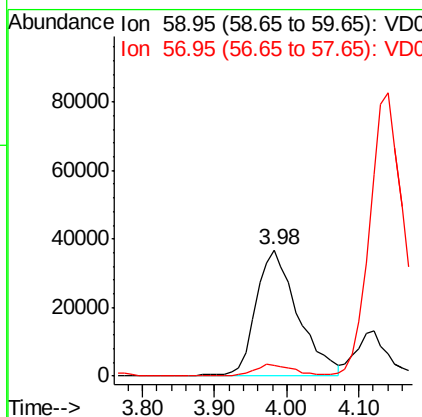
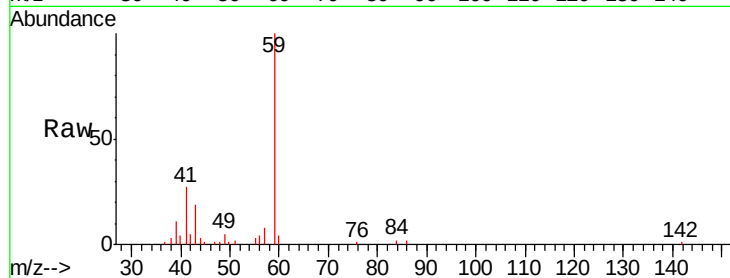


#11

Tert butyl alcohol
Concen: 379.73 ug/l
RT: 3.98 min Scan# 250
Delta R.T. -0.00 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

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

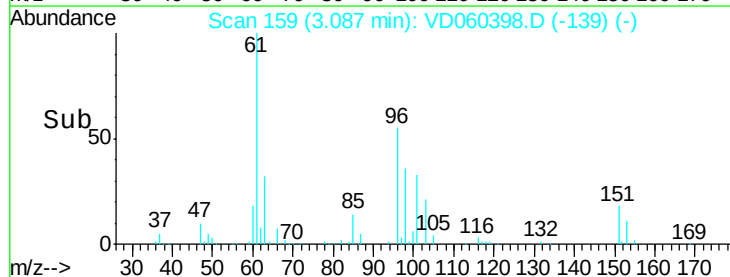
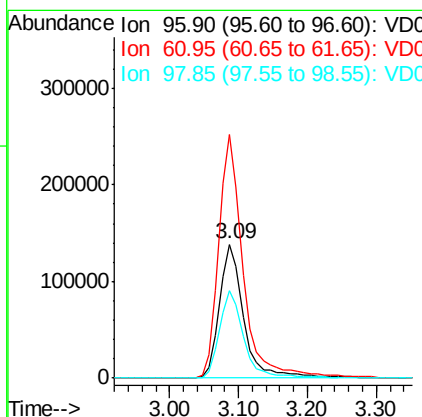
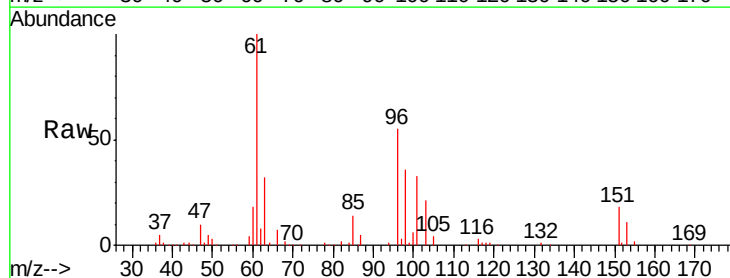
Tgt Ion: 59 Resp: 148484
Ion Ratio Lower Upper
59 100
57 8.3 9.3 13.9#

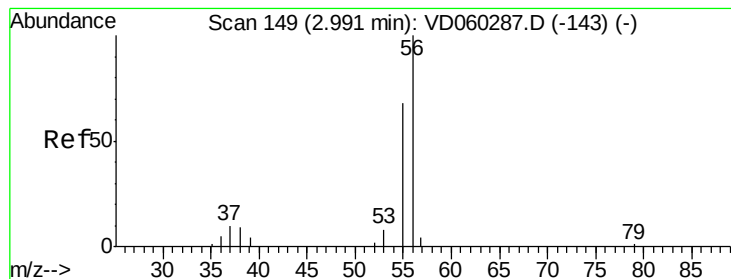


#12

1,1-Dichloroethene
Concen: 52.27 ug/l
RT: 3.09 min Scan# 159
Delta R.T. -0.00 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

Tgt Ion: 96 Resp: 339185
Ion Ratio Lower Upper
96 100
61 182.1 142.2 213.4
98 65.4 52.6 79.0





#13

Acrolein

Concen: 178.59 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

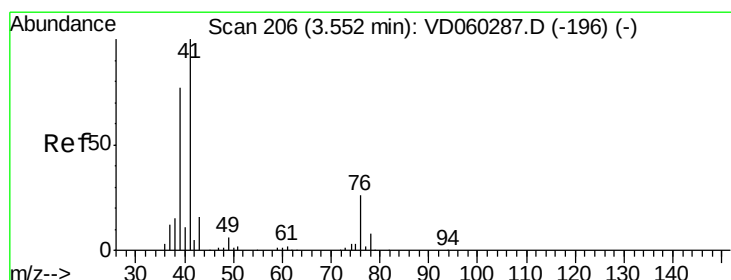
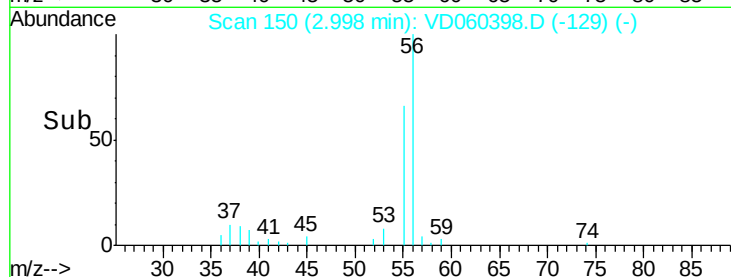
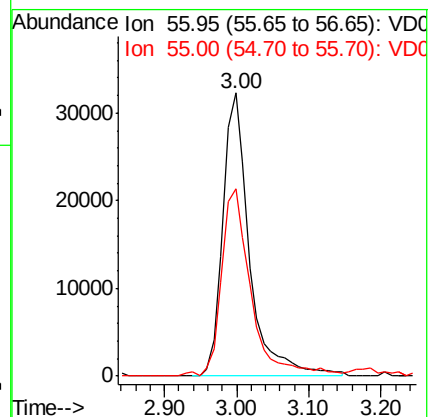
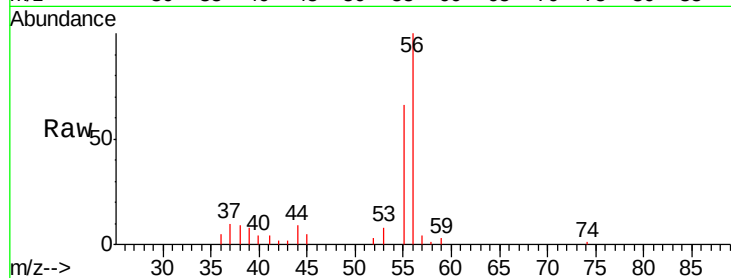
FDSB-05(25-27)MS

Tgt Ion: 56 Resp: 82517

Ion Ratio Lower Upper

56 100

55 66.1 57.0 85.6



#14

Allyl chloride

Concen: 53.06 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.00 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

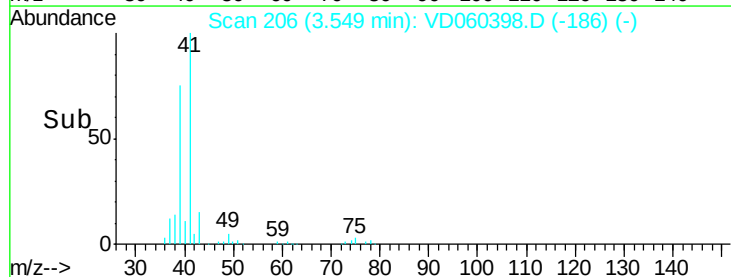
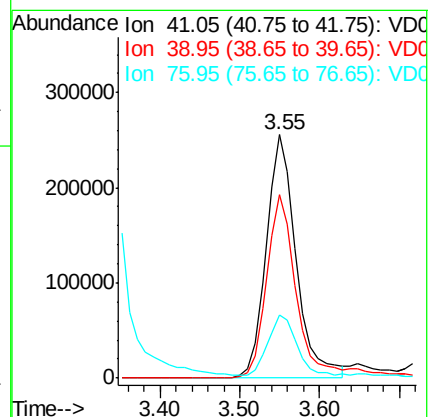
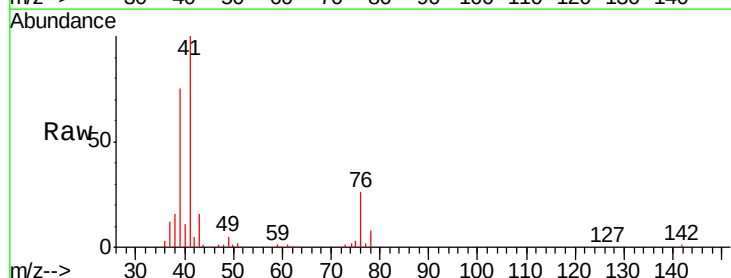
Tgt Ion: 41 Resp: 658765

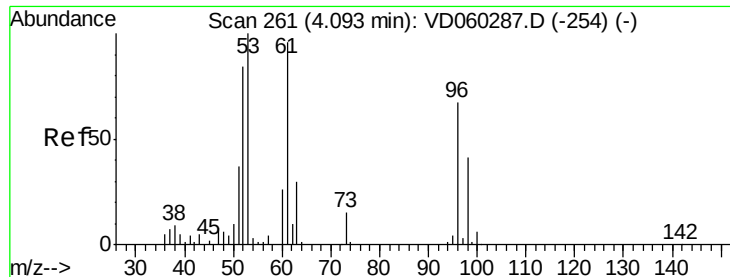
Ion Ratio Lower Upper

41 100

39 75.4 60.4 90.6

76 25.7 21.8 32.8





#15

Acrylonitrile

Concen: 329.17 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

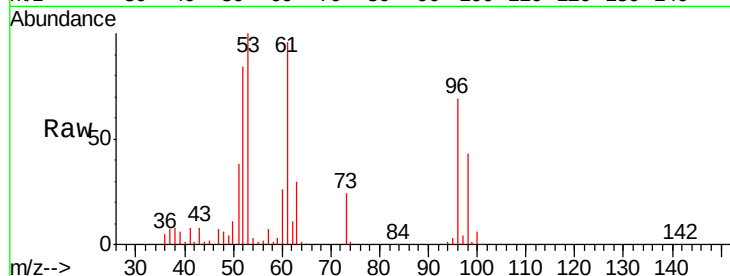
Tgt Ion: 53 Resp: 750581

Ion Ratio Lower Upper

53 100

52 84.0 67.0 100.4

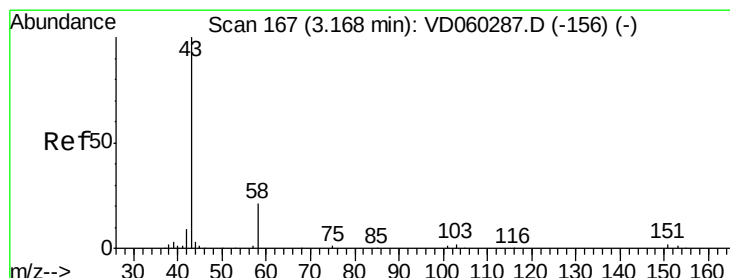
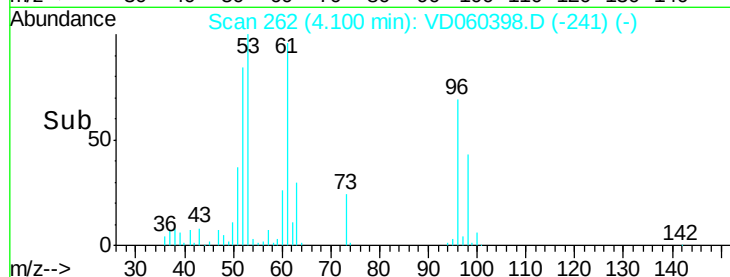
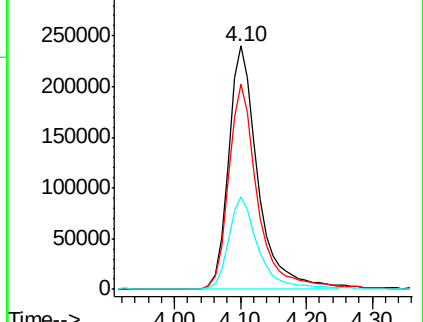
51 38.0 29.9 44.9



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: 310.86 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060398.D

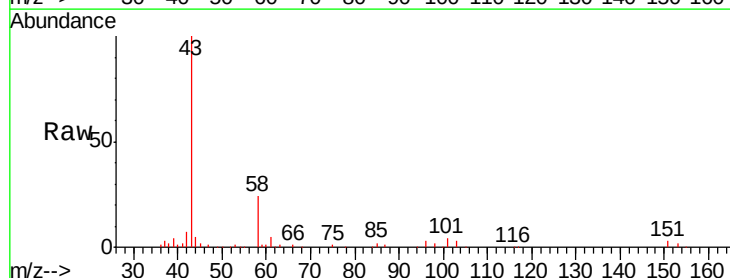
Acq: 16 Nov 2018 15:14

Tgt Ion: 43 Resp: 513474

Ion Ratio Lower Upper

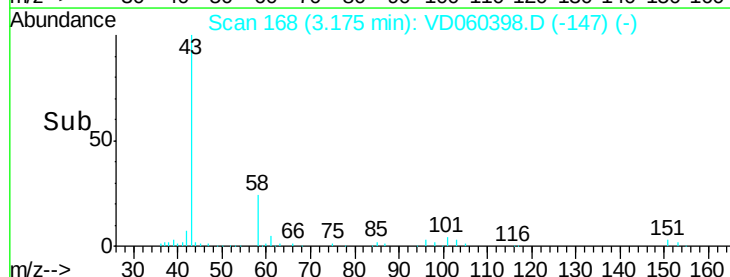
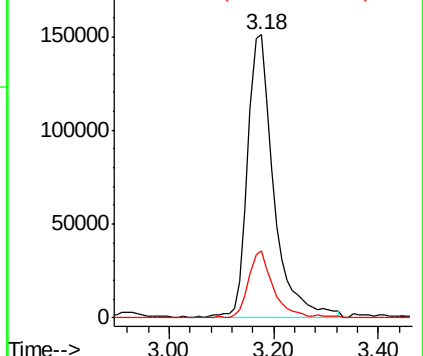
43 100

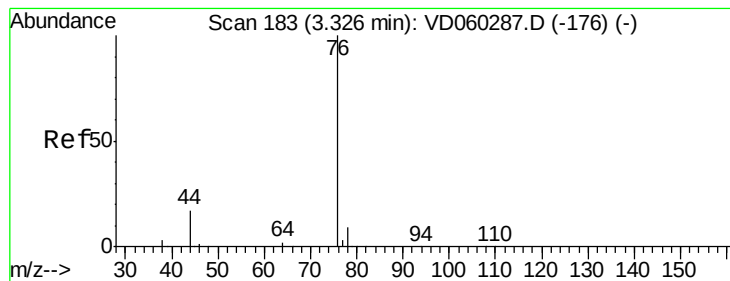
58 23.6 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 47.17 ug/l

RT: 3.33 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

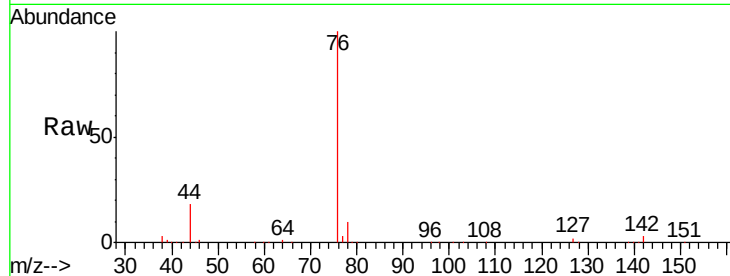
FDSB-05(25-27)MS

Tgt Ion: 76 Resp: 988005

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.33

400000

300000

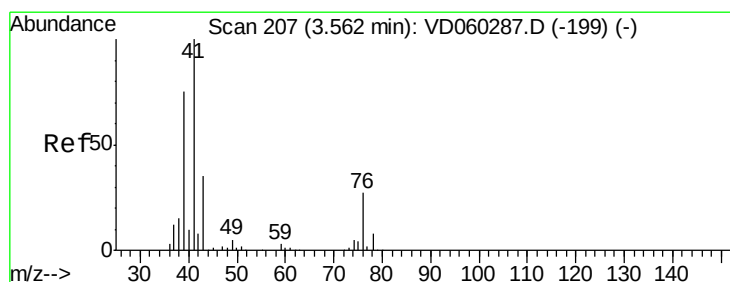
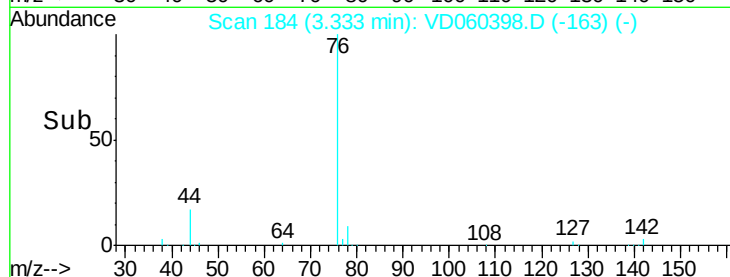
200000

100000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 68.51 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060398.D

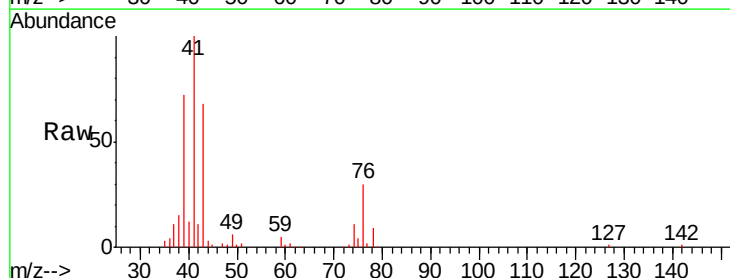
Acq: 16 Nov 2018 15:14

Tgt Ion: 43 Resp: 241296

Ion Ratio Lower Upper

43 100

74 15.8 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.57

100000

80000

60000

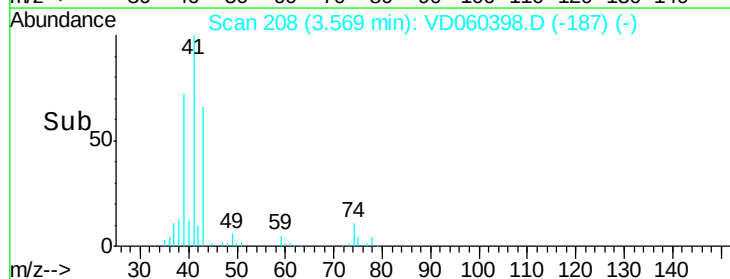
40000

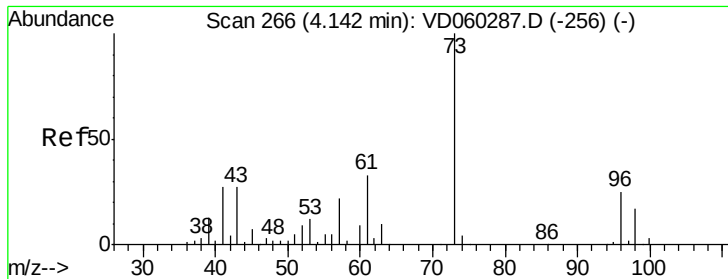
20000

0

3.50 3.55 3.60 3.65

Time-->

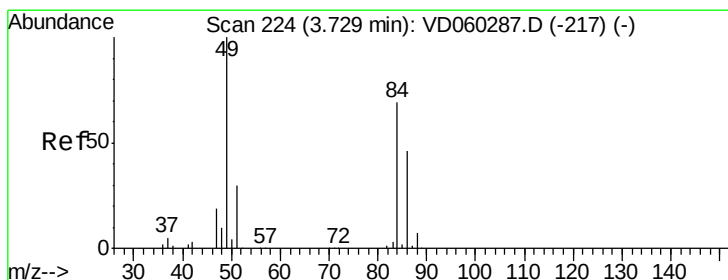
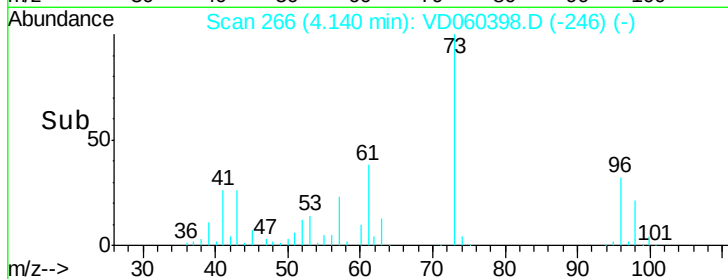
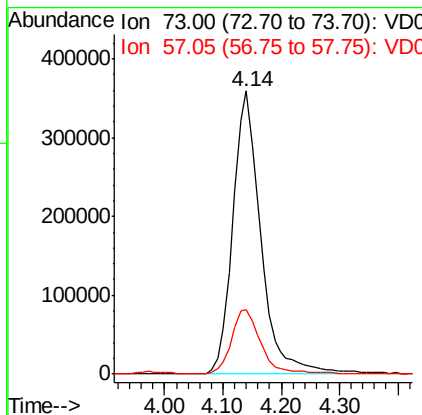
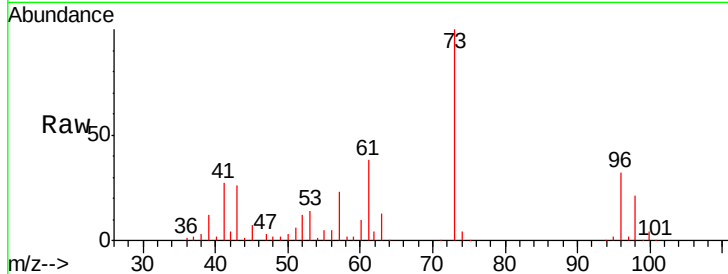




#19
Methyl tert-butyl Ether
Concen: 61.40 ug/l
RT: 4.14 min Scan# 266
Delta R.T. -0.00 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

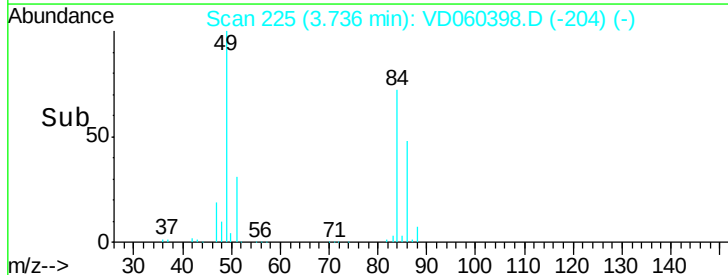
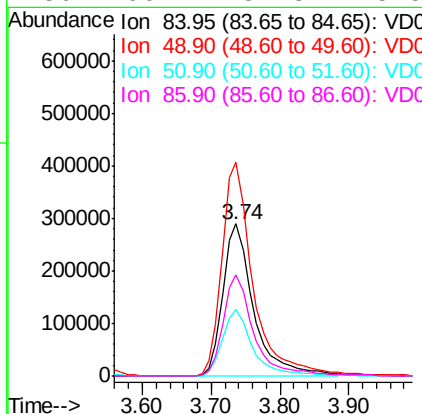
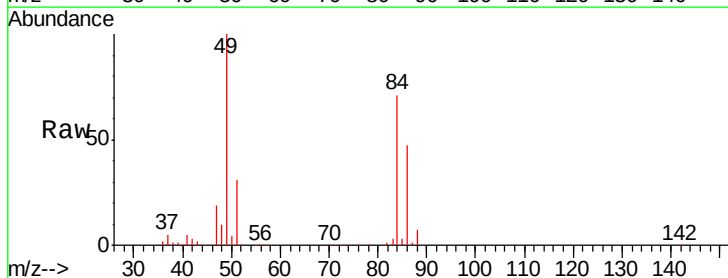
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

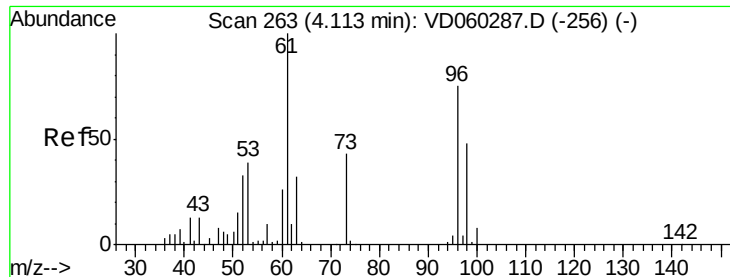
Tgt Ion: 73 Resp: 1193027
Ion Ratio Lower Upper
73 100
57 23.0 18.1 27.1



#20
Methylene Chloride
Concen: 61.28 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

Tgt Ion: 84 Resp: 897901
Ion Ratio Lower Upper
84 100
49 140.7 115.6 173.4
51 43.5 35.6 53.4
86 66.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 51.89 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

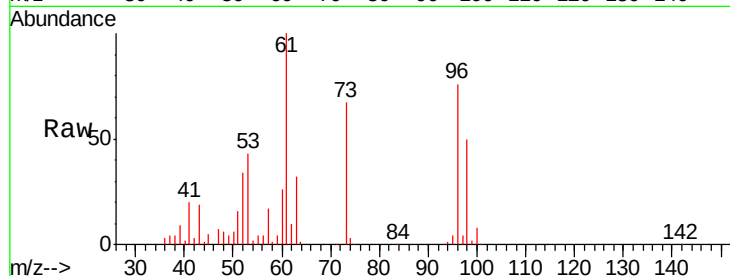
Tgt Ion: 96 Resp: 747694

Ion Ratio Lower Upper

96 100

61 131.0 105.8 158.6

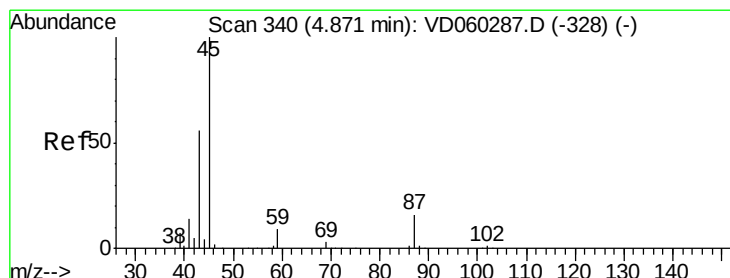
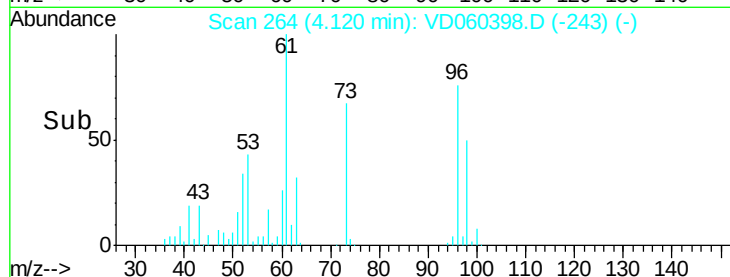
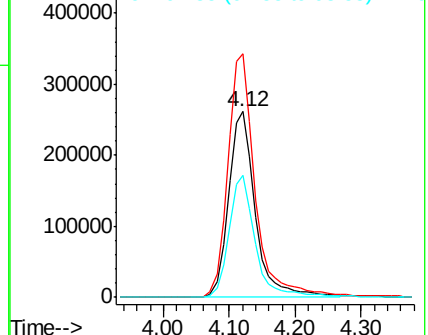
98 65.8 50.8 76.2



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: 55.20 ug/l

RT: 4.87 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Tgt Ion: 45 Resp: 2560671

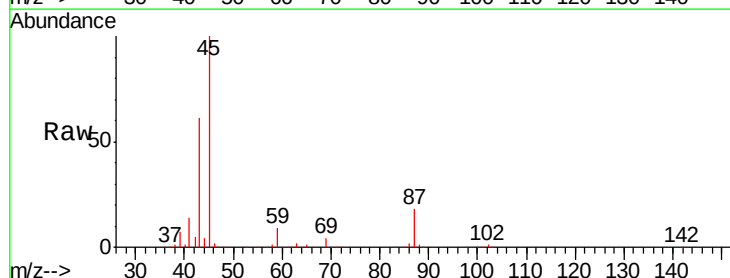
Ion Ratio Lower Upper

45 100

43 60.7 44.9 67.3

87 18.0 13.9 20.9

59 9.4 7.0 10.6

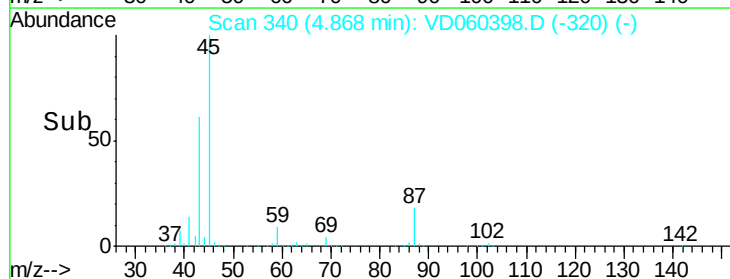
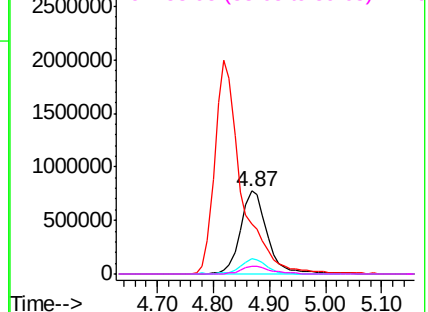


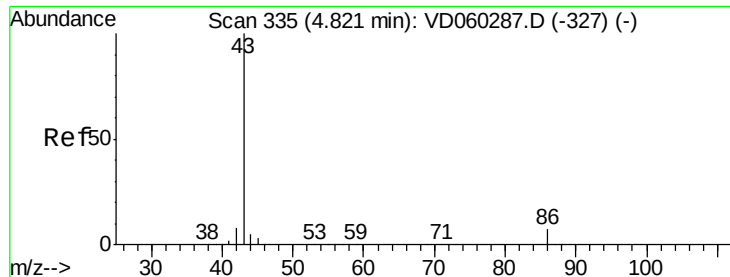
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

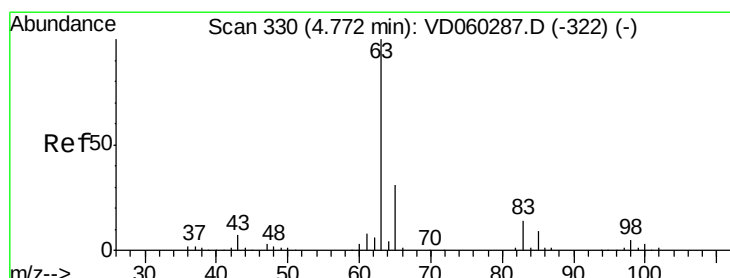
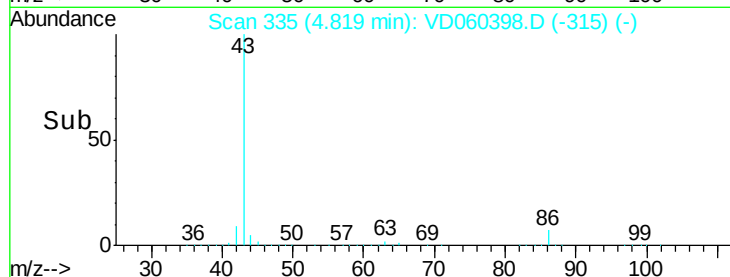
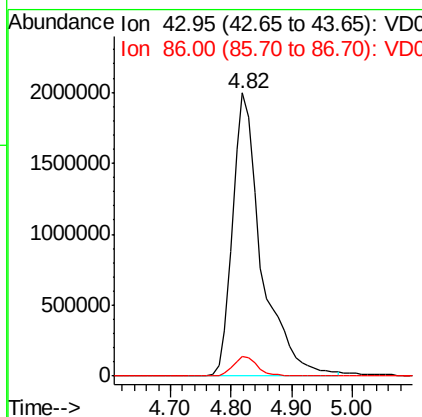
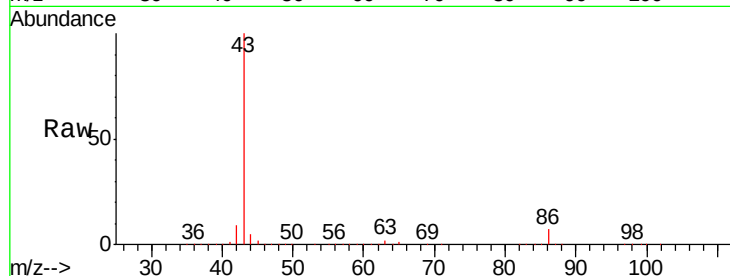




#23
 Vinyl Acetate
 Concen: 286.79 ug/l
 RT: 4.82 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

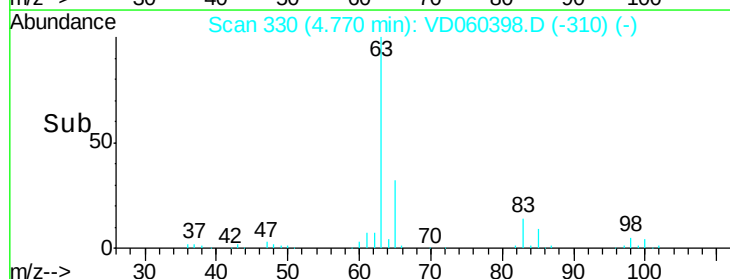
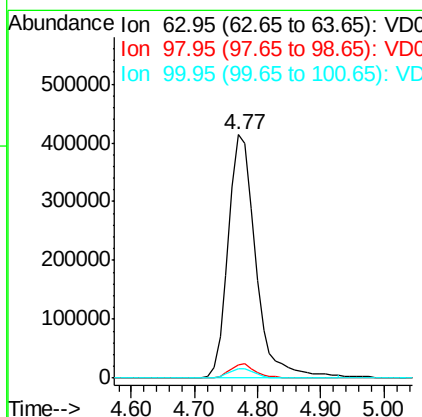
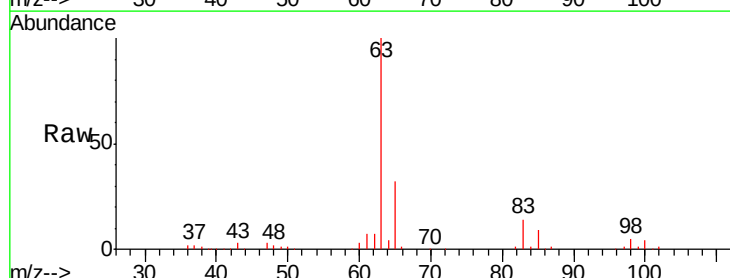
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

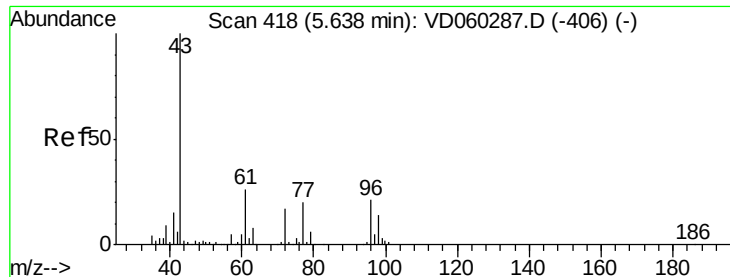
Tgt Ion: 43 Resp: 6619672
 Ion Ratio Lower Upper
 43 100
 86 6.8 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 52.72 ug/l
 RT: 4.77 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

Tgt Ion: 63 Resp: 1253960
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.8 8.4
 100 3.8 1.8 5.5





#25

2-Butanone

Concen: 299.73 ug/l

RT: 5.64 min Scan# 418

Delta R.T. -0.00 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

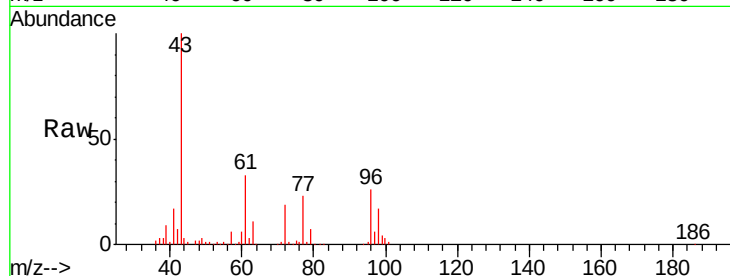
FDSB-05(25-27)MS

Tgt Ion: 43 Resp: 1029059

Ion Ratio Lower Upper

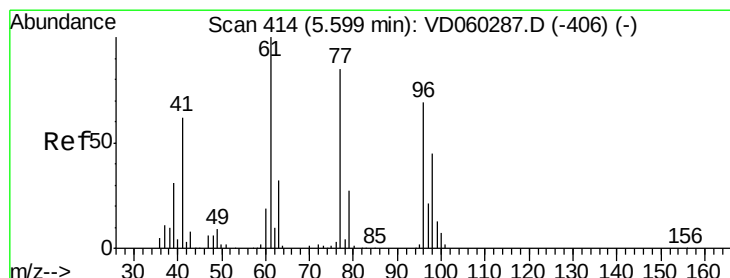
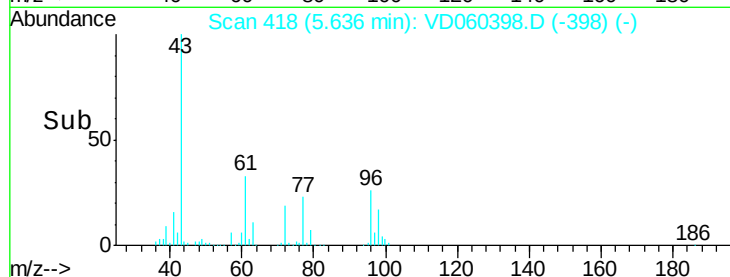
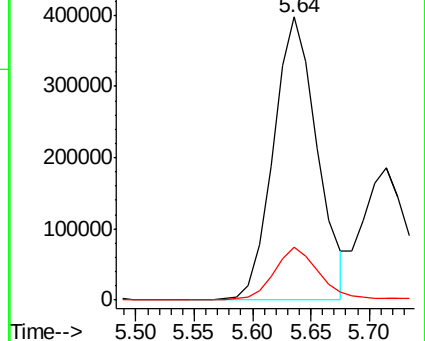
43 100

72 18.6 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: 49.73 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060398.D

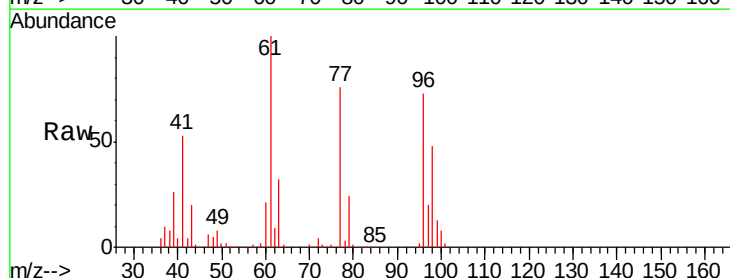
Acq: 16 Nov 2018 15:14

Tgt Ion: 77 Resp: 919747

Ion Ratio Lower Upper

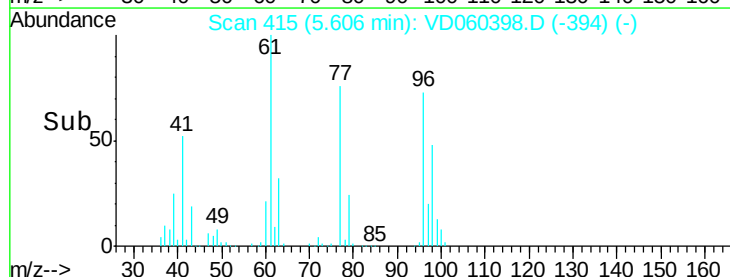
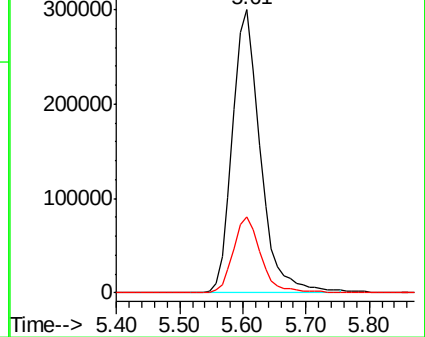
77 100

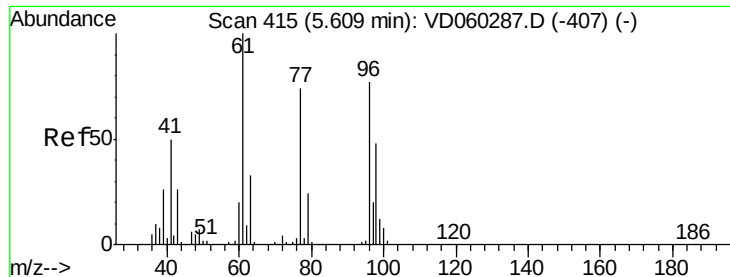
97 26.7 12.6 37.8



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: 53.05 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.00 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

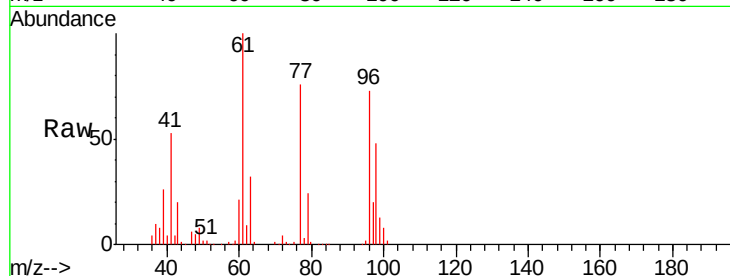
Tgt Ion: 96 Resp: 796284

Ion Ratio Lower Upper

96 100

61 136.9 0.0 259.0

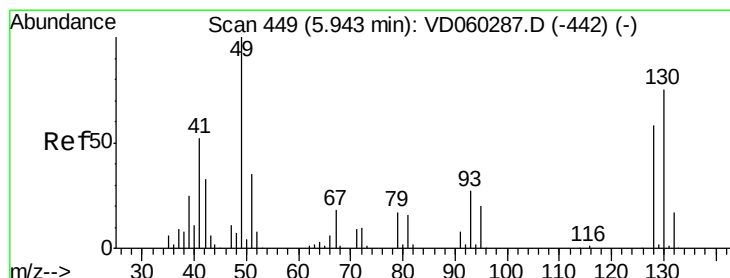
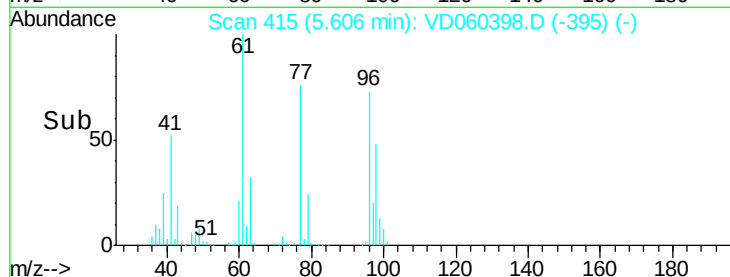
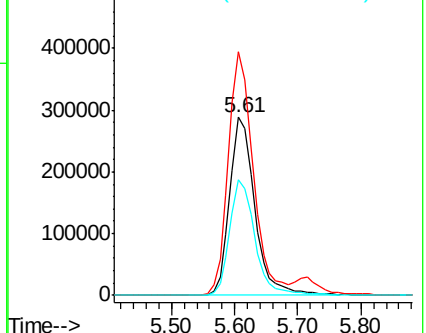
98 65.4 0.0 128.8



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: 54.63 ug/l

RT: 5.94 min Scan# 449

Delta R.T. -0.00 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

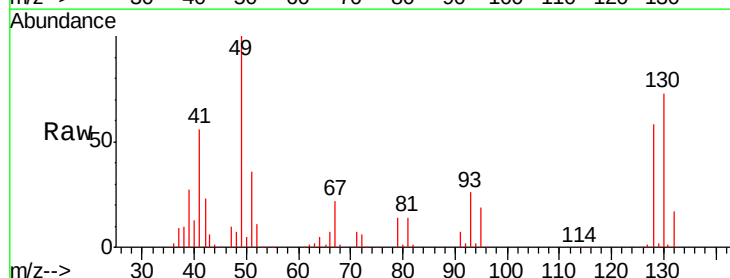
Tgt Ion: 49 Resp: 573345

Ion Ratio Lower Upper

49 100

129 1.8 0.0 2.8

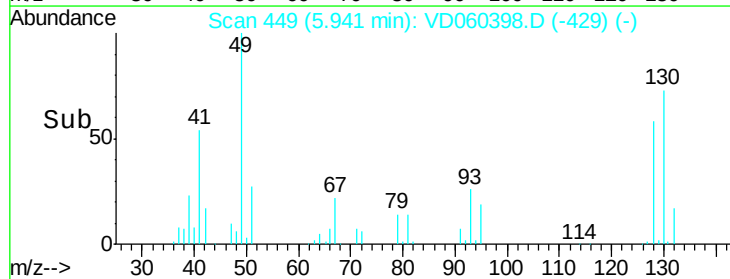
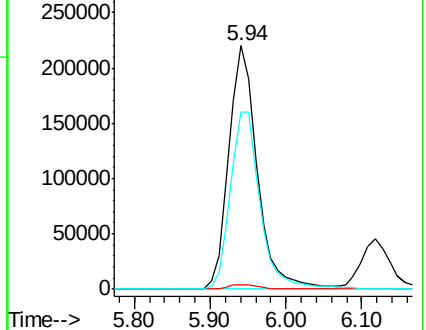
130 72.8 53.6 80.4

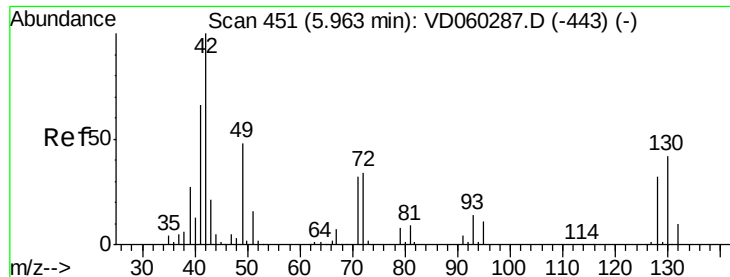


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 304.90 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

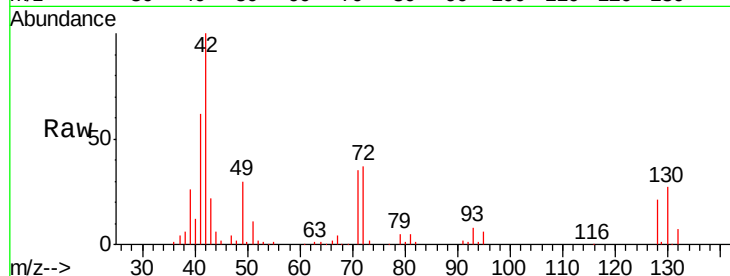
Tgt Ion: 42 Resp: 551915

Ion Ratio Lower Upper

42 100

72 36.5 27.6 41.4

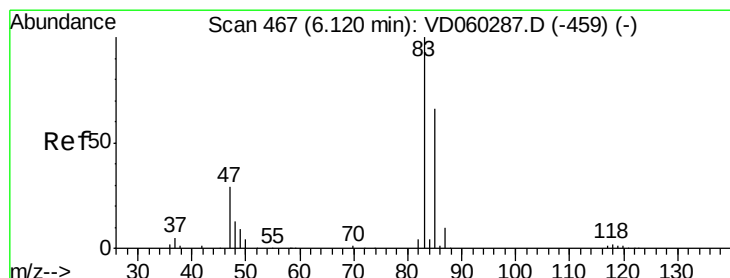
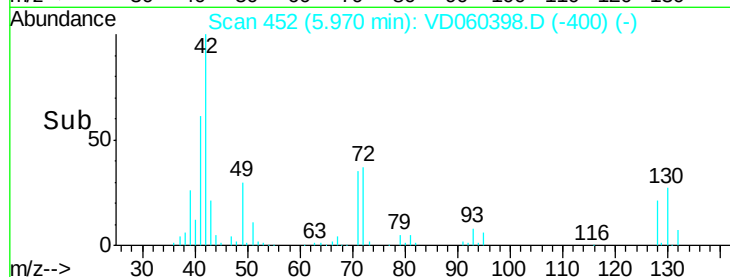
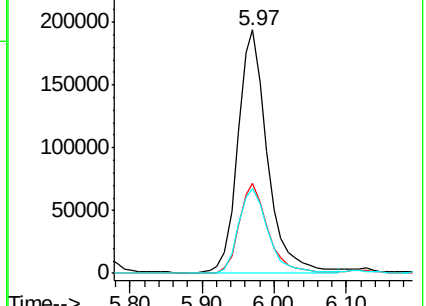
71 35.4 26.5 39.7



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: 51.18 ug/l

RT: 6.12 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD060398.D

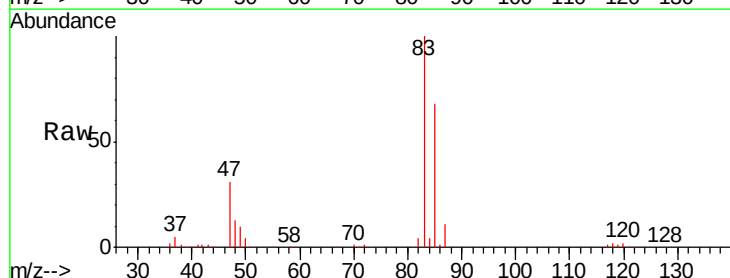
Acq: 16 Nov 2018 15:14

Tgt Ion: 83 Resp: 1217150

Ion Ratio Lower Upper

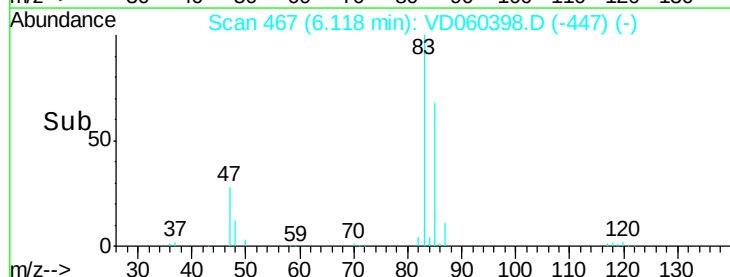
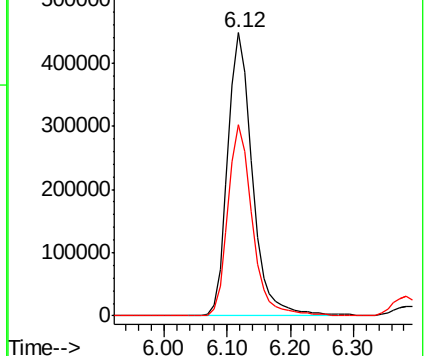
83 100

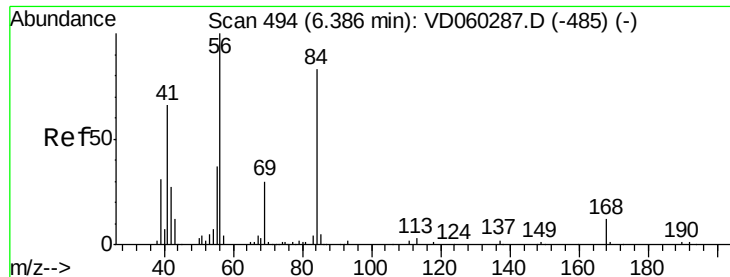
85 67.6 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

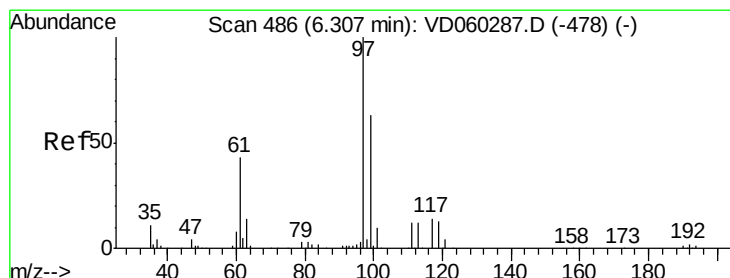
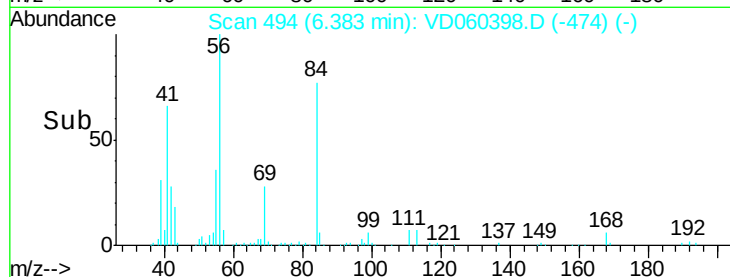
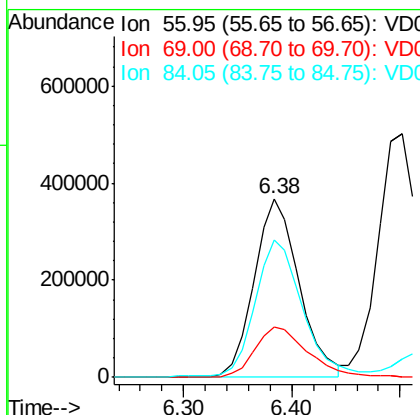
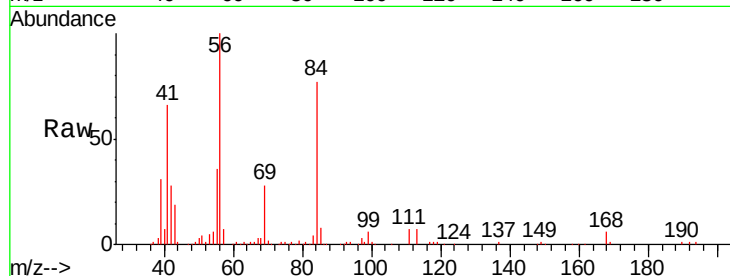




#31
Cyclohexane
Concen: 46.65 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.00 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

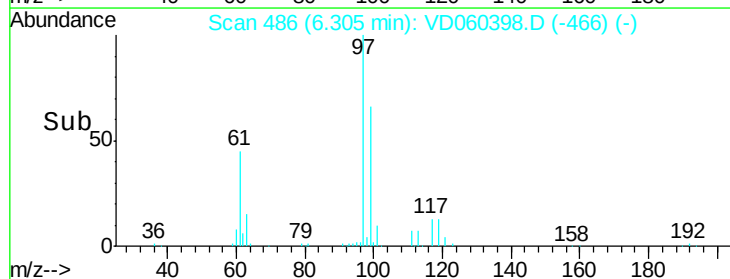
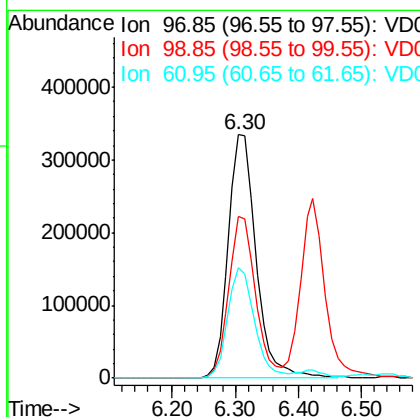
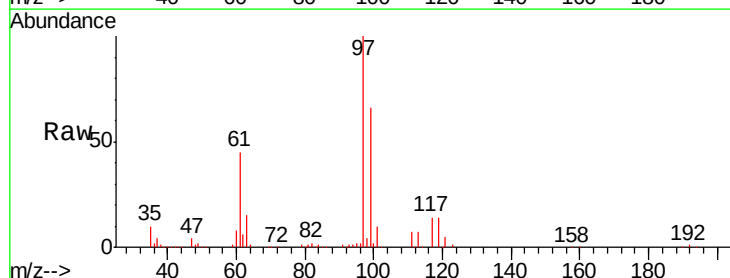
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

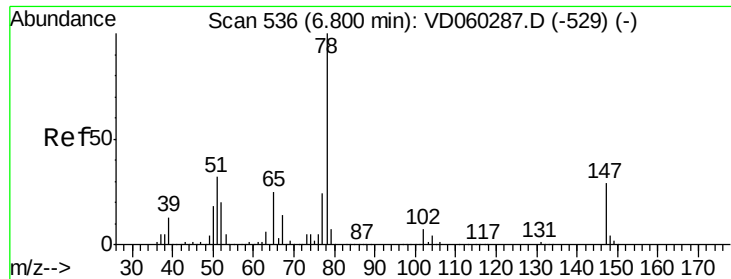
Tgt Ion: 56 Resp: 1060537
Ion Ratio Lower Upper
56 100
69 28.2 22.2 33.2
84 77.3 63.0 94.4



#32
1,1,1-Trichloroethane
Concen: 51.10 ug/l
RT: 6.30 min Scan# 486
Delta R.T. -0.00 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

Tgt Ion: 97 Resp: 1023664
Ion Ratio Lower Upper
97 100
99 66.3 51.5 77.3
61 45.2 35.8 53.8

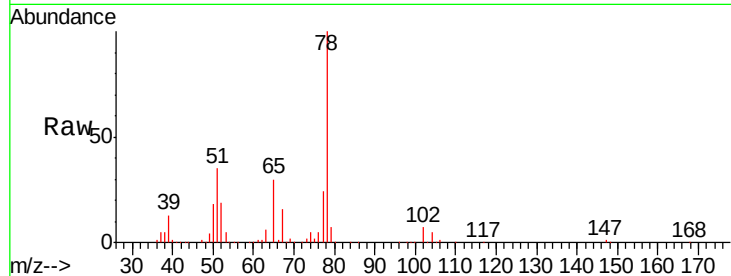




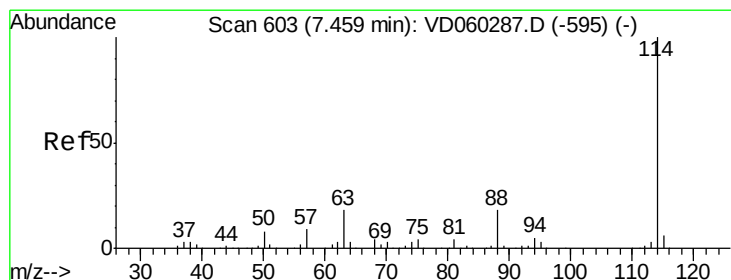
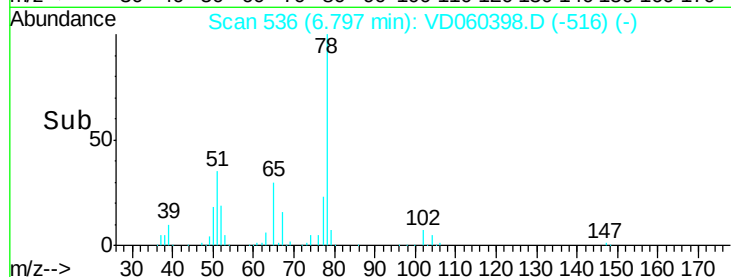
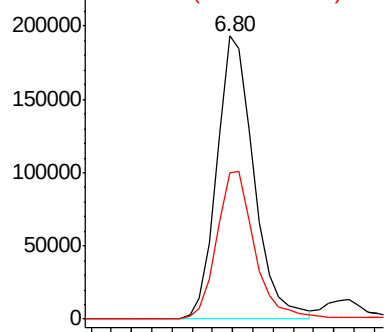
#33
 1,2-Dichloroethane-d4
 Concen: 51.10 ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

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

Tgt Ion: 65 Resp: 493382
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 109.8

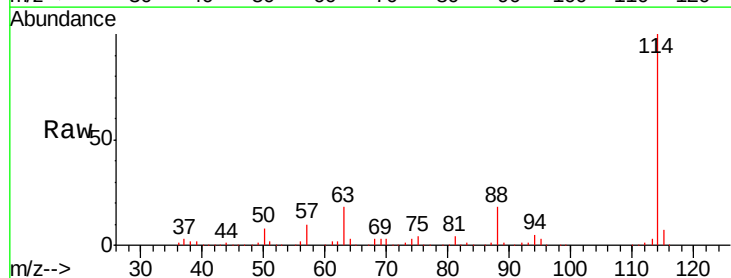


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

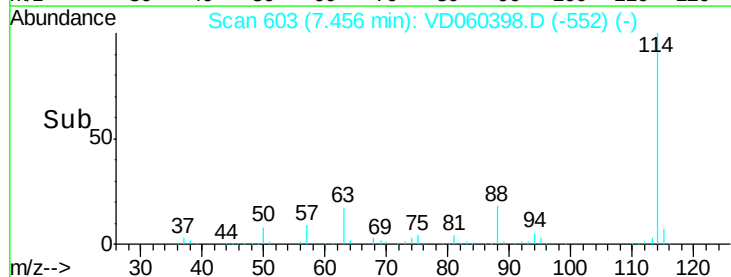
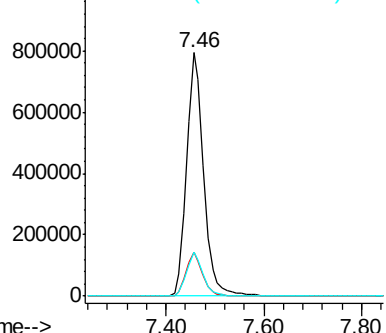


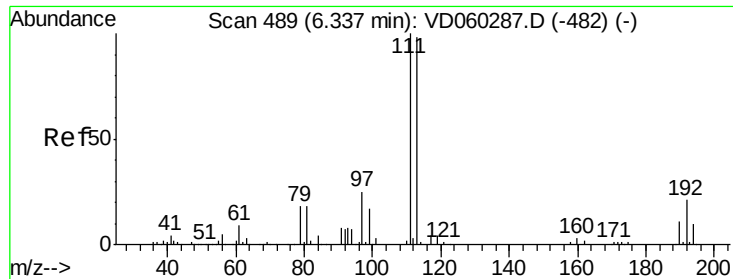
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

Tgt Ion: 114 Resp: 1936991
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 34.0
 88 18.2 0.0 35.4



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

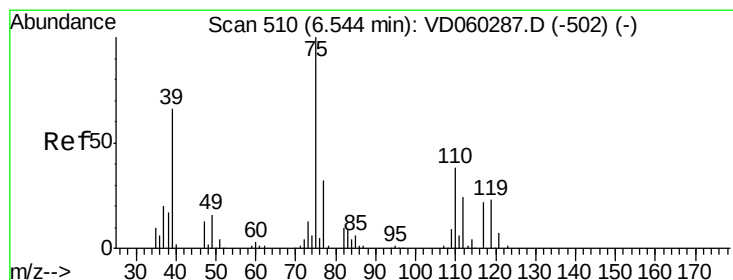
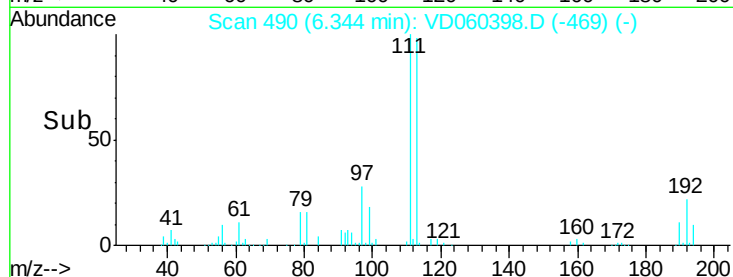
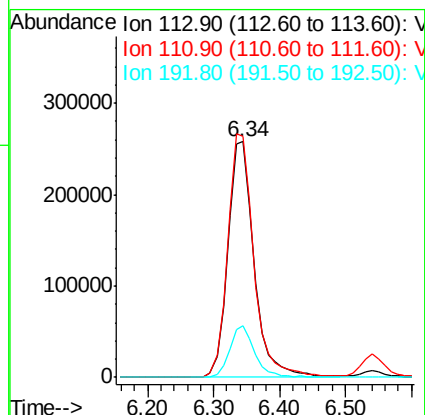
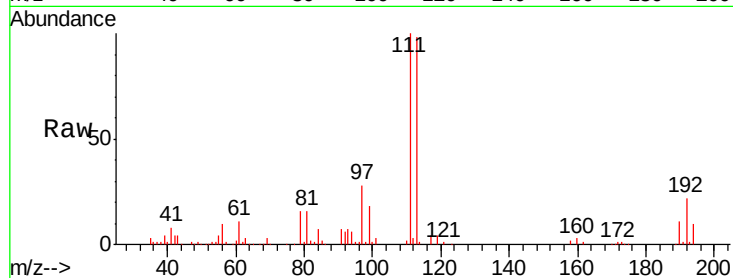




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

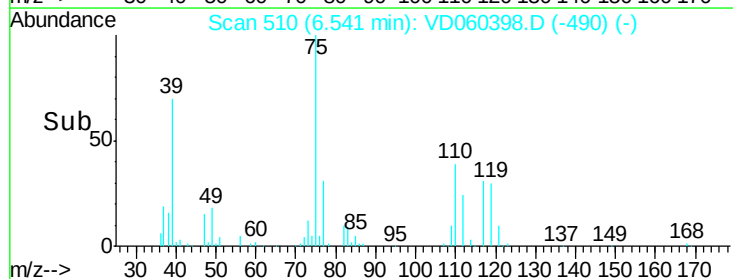
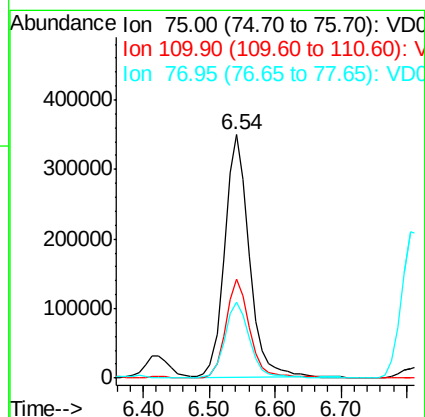
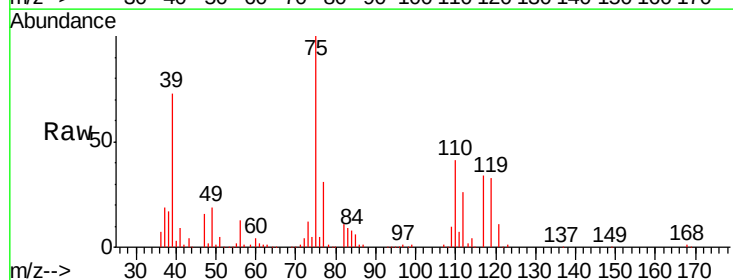
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

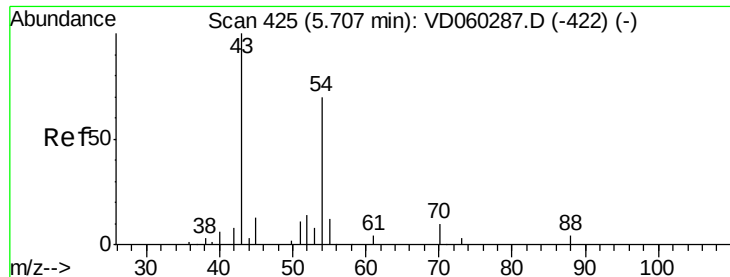
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.6	122.4
192	22.2	16.5	24.7



#36
1,1-Dichloropropene
Concen: 47.43 ug/l
RT: 6.54 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.6	18.0	54.0
77	31.2	25.6	38.4

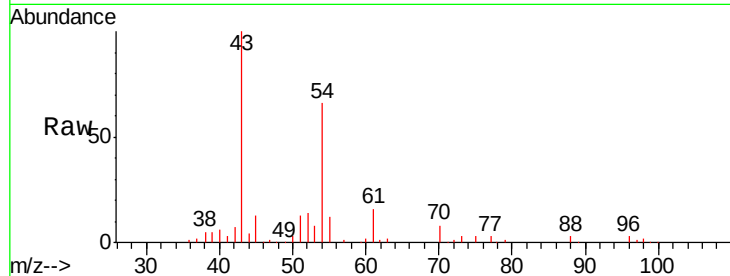




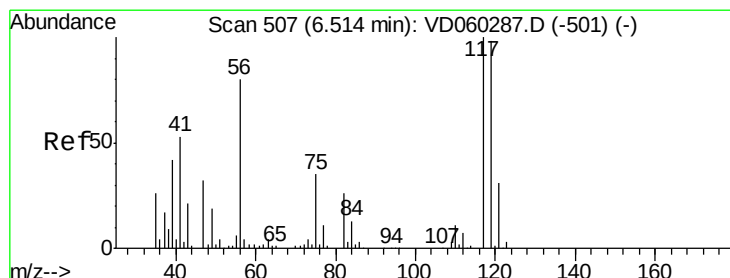
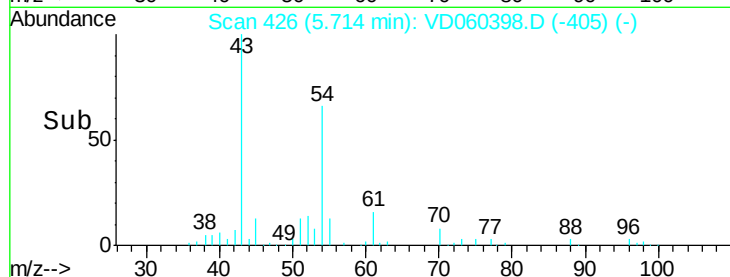
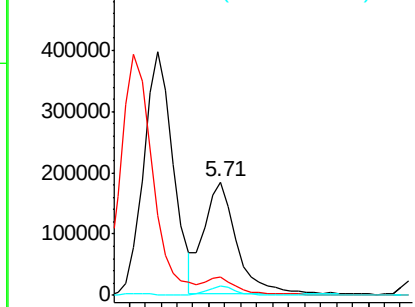
#37
Ethyl Acetate
Concen: 59.50 ug/l
RT: 5.71 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

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

Tgt Ion: 43 Resp: 523973
Ion Ratio Lower Upper
43 100
61 16.0 11.8 17.6
70 7.9 6.2 9.4

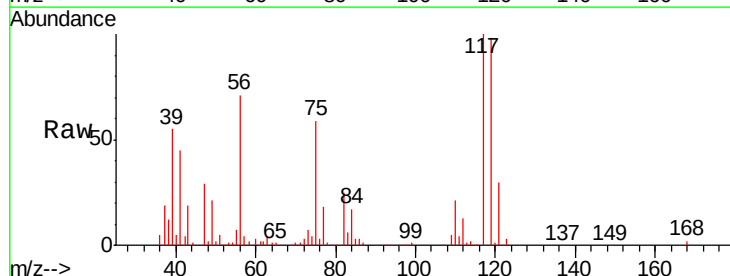


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

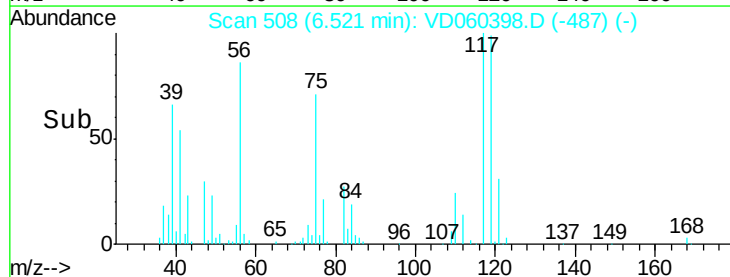
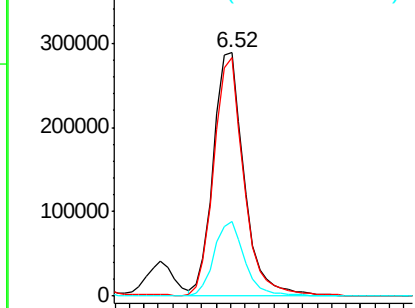


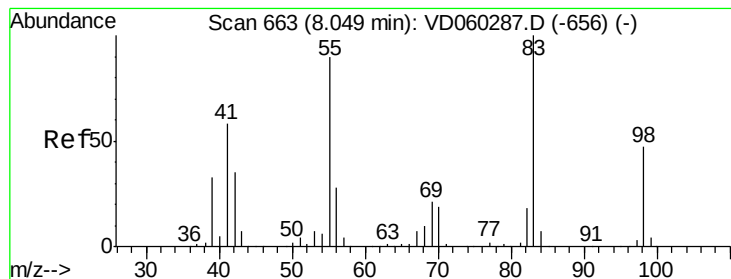
#38
Carbon Tetrachloride
Concen: 47.31 ug/l
RT: 6.52 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

Tgt Ion: 117 Resp: 839868
Ion Ratio Lower Upper
117 100
119 98.1 76.6 115.0
121 30.4 24.3 36.5



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





#39

Methylcyclohexane

Concen: 56.17 ug/l

RT: 8.06 min Scan# 664

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

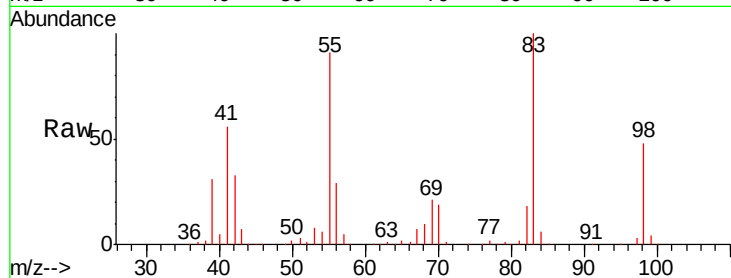
Tgt Ion: 83 Resp: 1236275

Ion Ratio Lower Upper

83 100

55 91.0 71.2 106.8

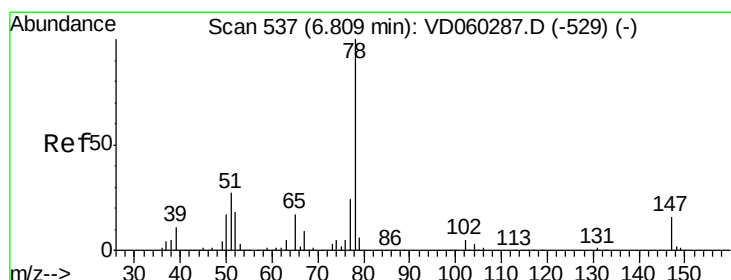
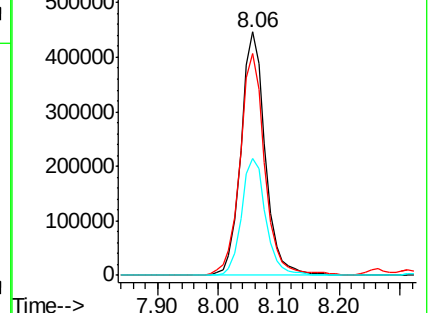
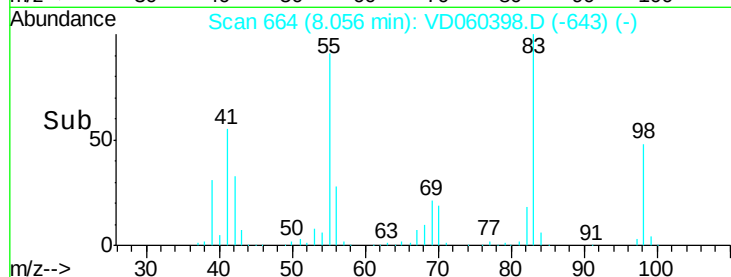
98 48.1 38.4 57.6



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: 49.60 ug/l

RT: 6.81 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD060398.D

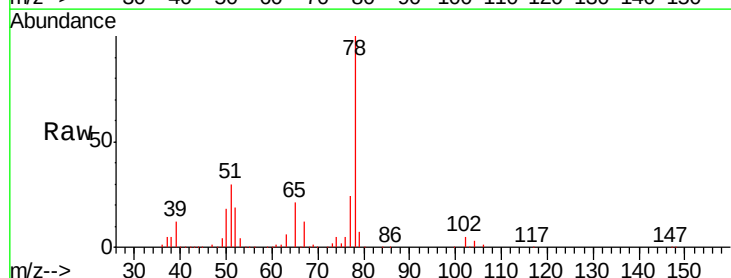
Acq: 16 Nov 2018 15:14

Tgt Ion: 78 Resp: 2422887

Ion Ratio Lower Upper

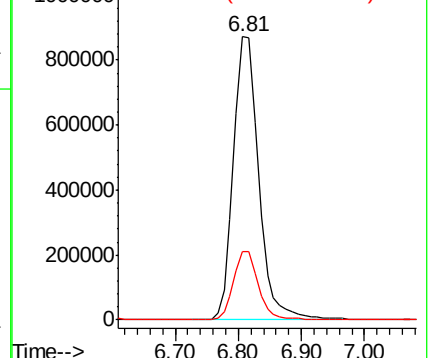
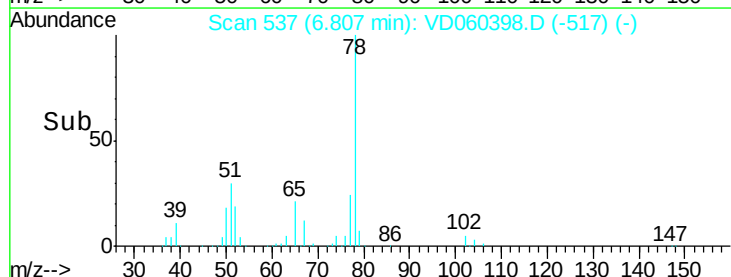
78 100

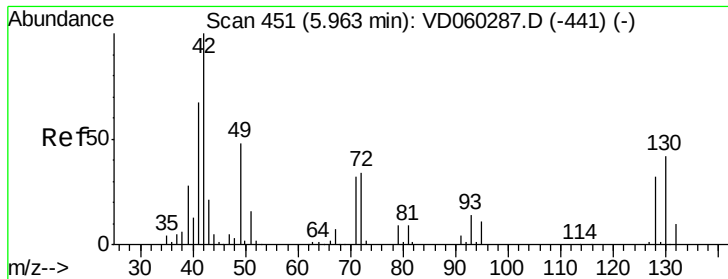
77 24.0 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

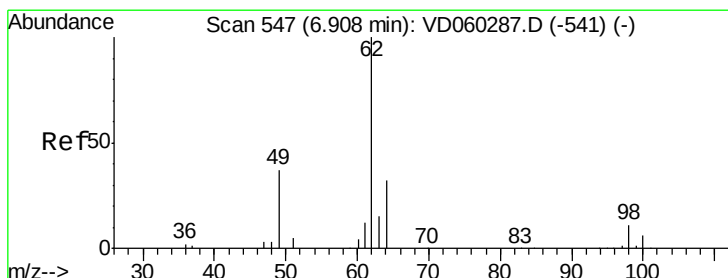
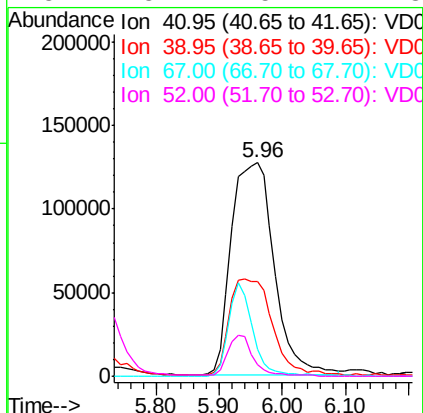
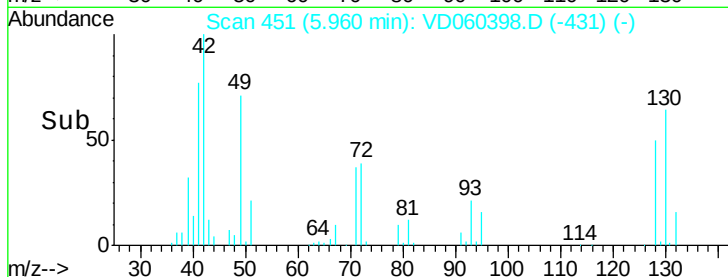
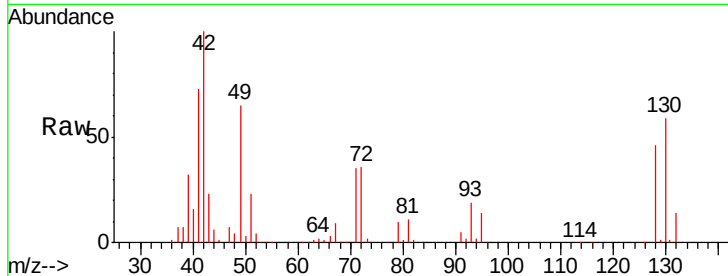




#41
Methacrylonitrile
Concen: 59.44 ug/l
RT: 5.96 min Scan# 451
Delta R.T. -0.00 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

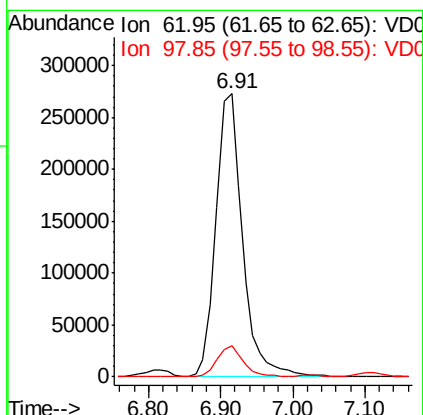
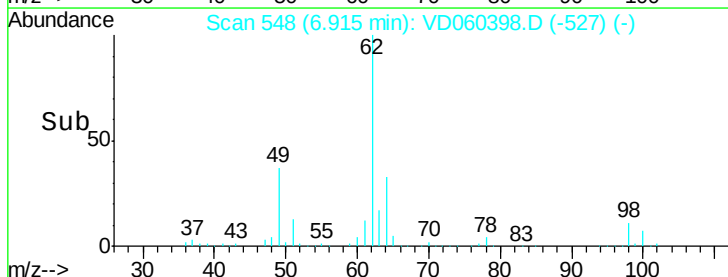
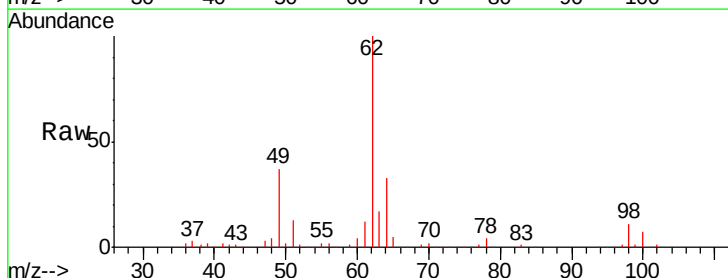
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

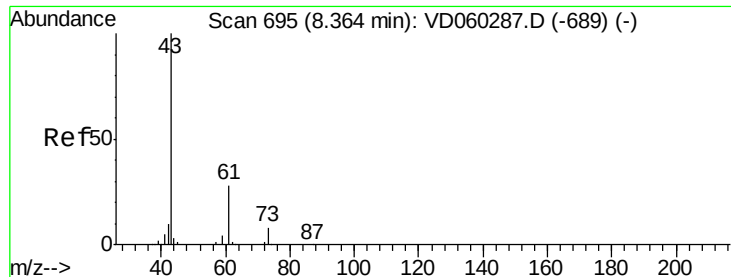
Tgt Ion:	41	Resp:	599079
Ion	Ratio	Lower	Upper
41	100		
39	44.2	36.2	54.2
67	12.3	11.9	17.9
52	5.2	5.2	7.8#



#42
1,2-Dichloroethane
Concen: 54.16 ug/l
RT: 6.91 min Scan# 548
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

Tgt Ion:	62	Resp:	692464
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0





#43

Isopropyl Acetate

Concen: 64.10 ug/l

RT: 8.36 min Scan# 695

Delta R.T. -0.00 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

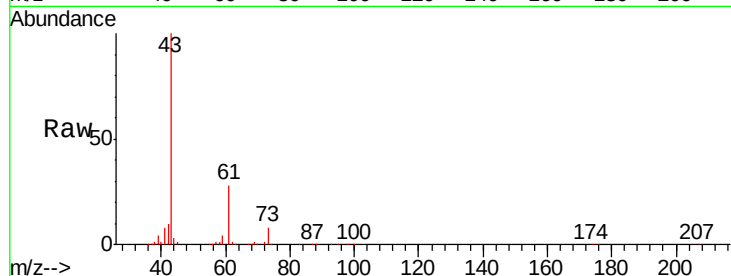
Tgt Ion: 43 Resp: 709048

Ion Ratio Lower Upper

43 100

61 27.8 22.3 33.5

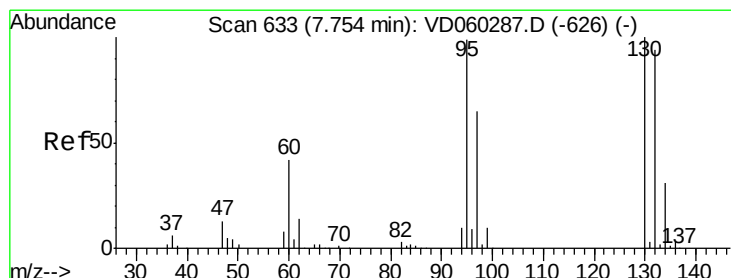
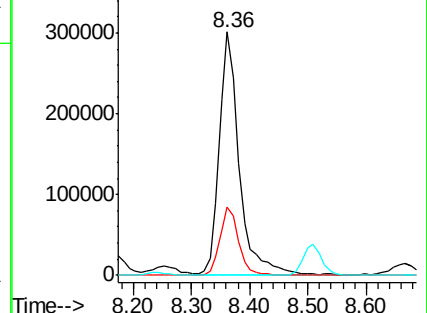
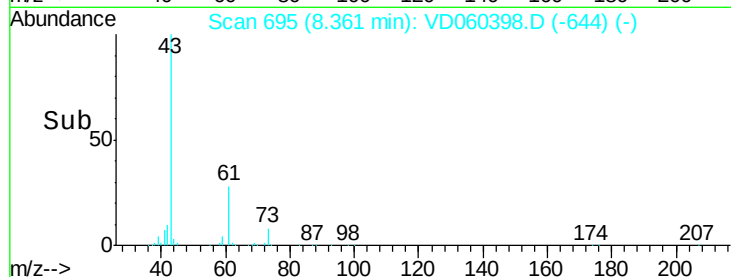
87 0.2 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.93 ug/l

RT: 7.76 min Scan# 634

Delta R.T. 0.01 min

Lab File: VD060398.D

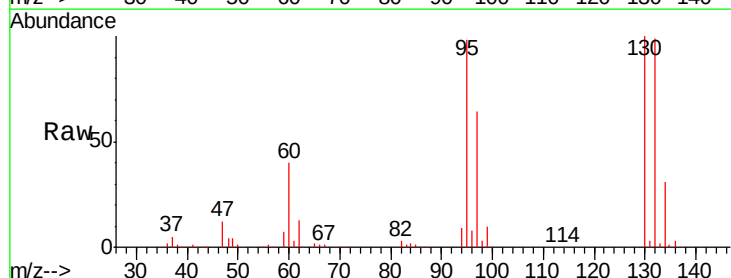
Acq: 16 Nov 2018 15:14

Tgt Ion: 130 Resp: 754208

Ion Ratio Lower Upper

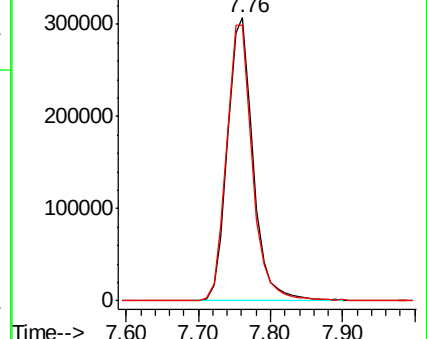
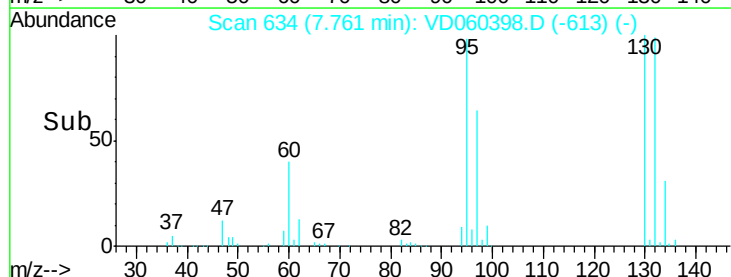
130 100

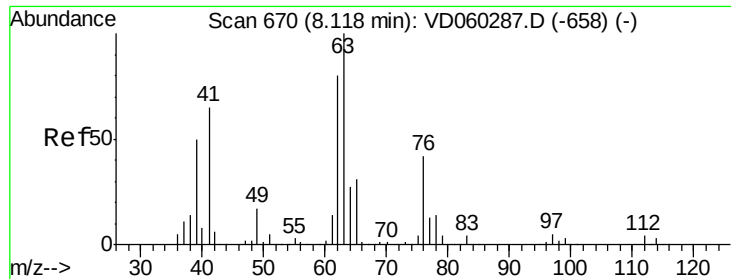
95 97.5 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

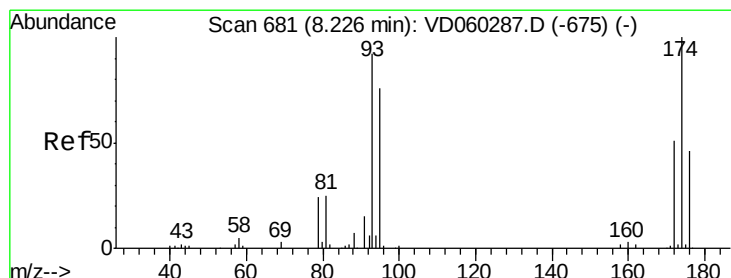
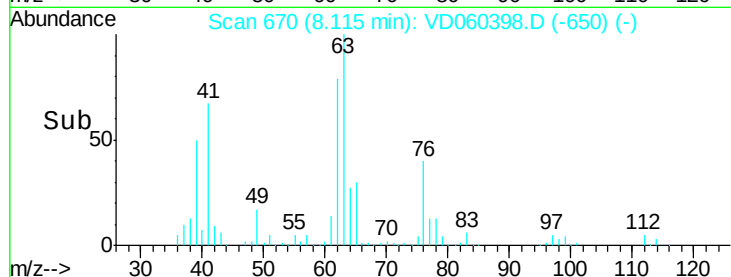
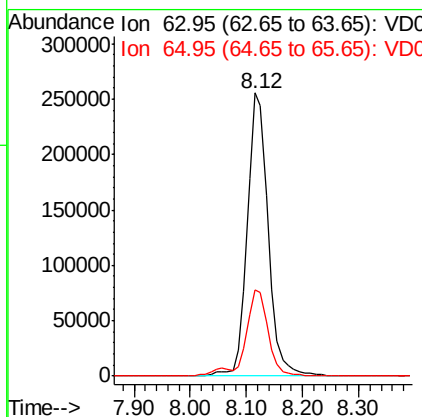
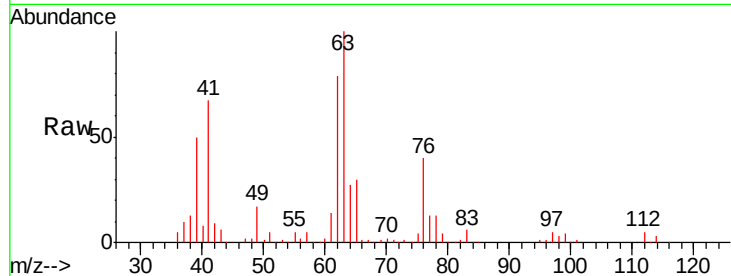




#45
 1,2-Dichloropropane
 Concen: 53.37 ug/l
 RT: 8.12 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

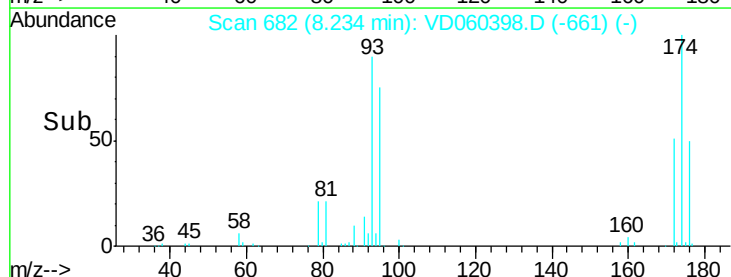
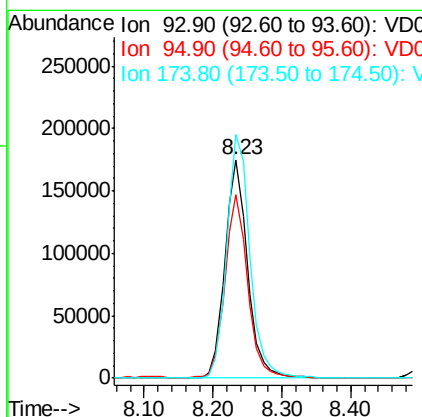
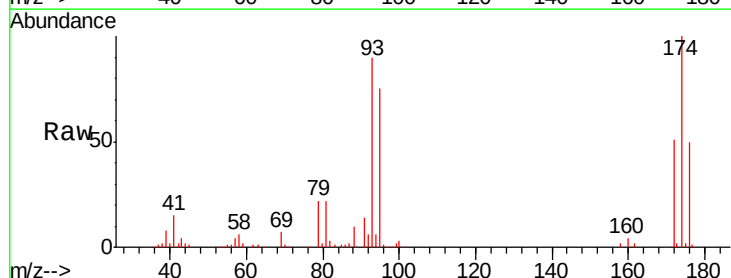
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

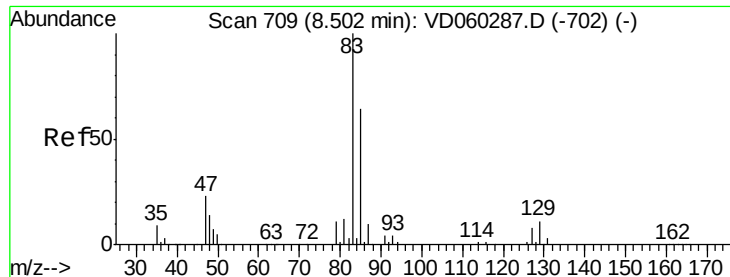
Tgt Ion: 63 Resp: 657496
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.4 35.2



#46
 Dibromomethane
 Concen: 54.98 ug/l
 RT: 8.23 min Scan# 682
 Delta R.T. 0.01 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

Tgt Ion: 93 Resp: 396733
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.4 99.6
 174 111.6 87.8 131.8





#47

Bromodichloromethane

Concen: 49.48 ug/l

RT: 8.51 min Scan# 710

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

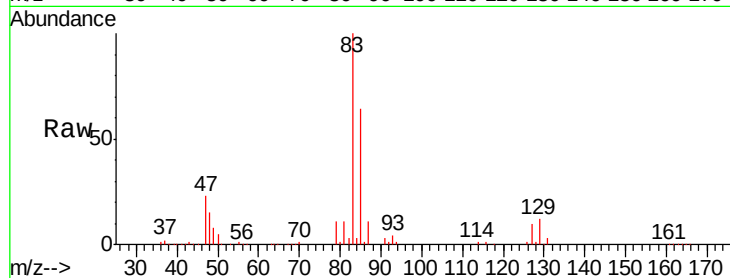
Tgt Ion: 83 Resp: 841323

Ion Ratio Lower Upper

83 100

85 64.3 51.0 76.6

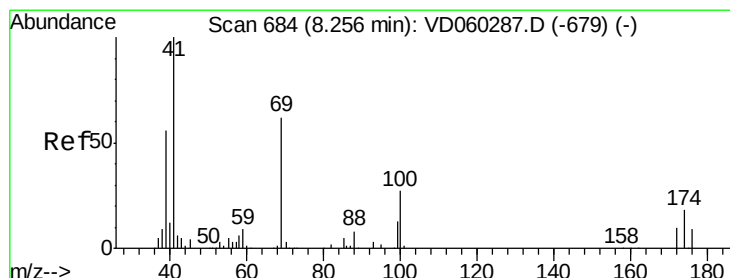
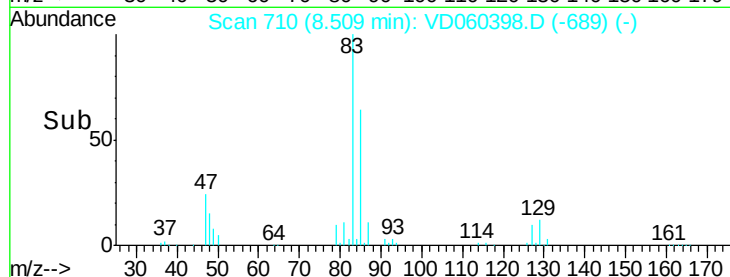
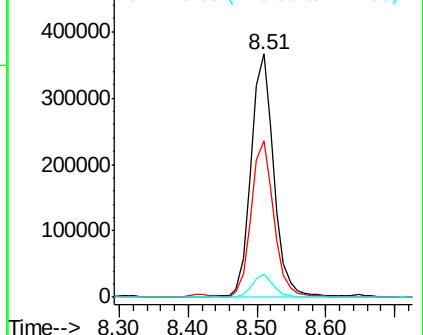
127 9.6 6.2 9.4#



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: 64.47 ug/l

RT: 8.26 min Scan# 685

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

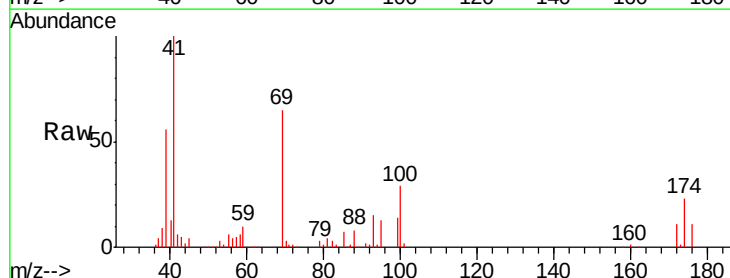
Tgt Ion: 41 Resp: 433177

Ion Ratio Lower Upper

41 100

69 65.1 47.0 70.4

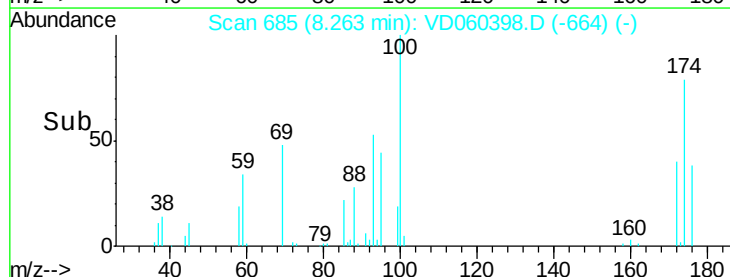
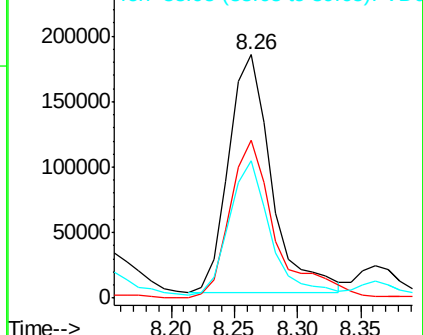
39 56.2 46.2 69.4

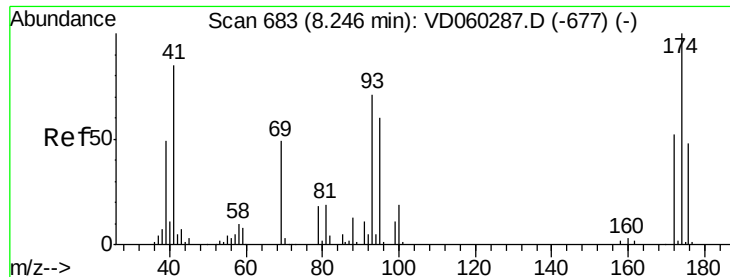


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

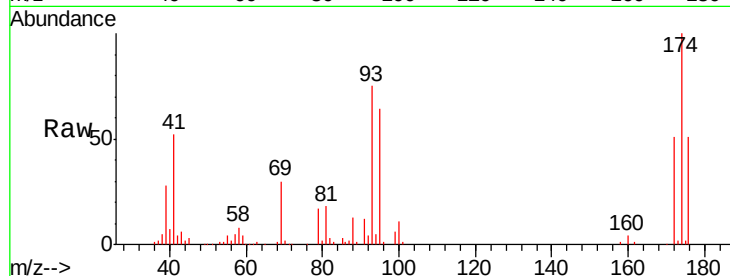




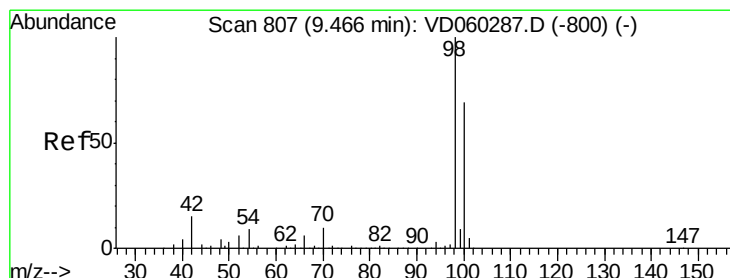
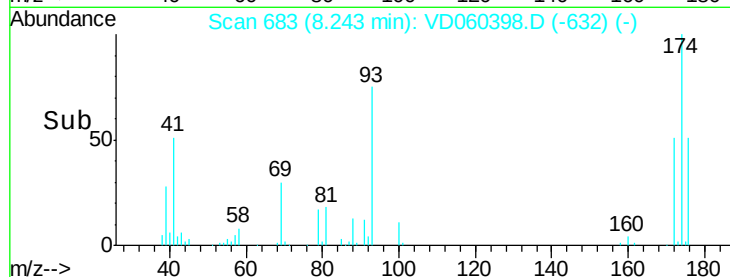
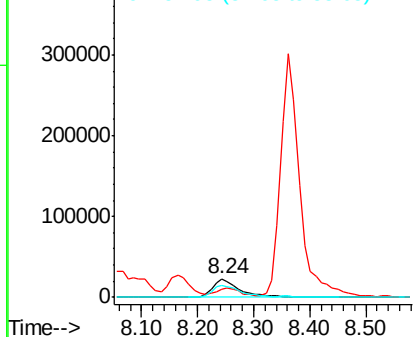
#49
1,4-Dioxane
Concen: 1355.01 ug/l
RT: 8.24 min Scan# 683
Delta R.T. -0.00 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

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

Tgt Ion: 88 Resp: 78772
Ion Ratio Lower Upper
88 100
43 45.3 39.7 59.5
58 61.6 60.2 90.2

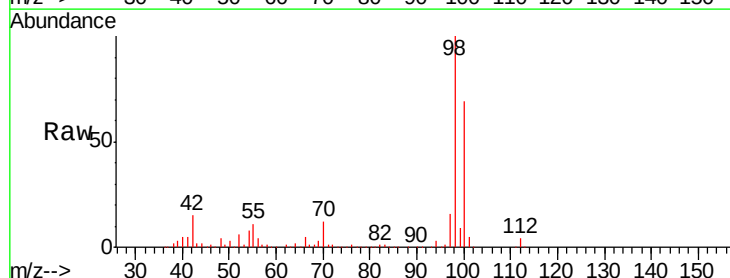


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

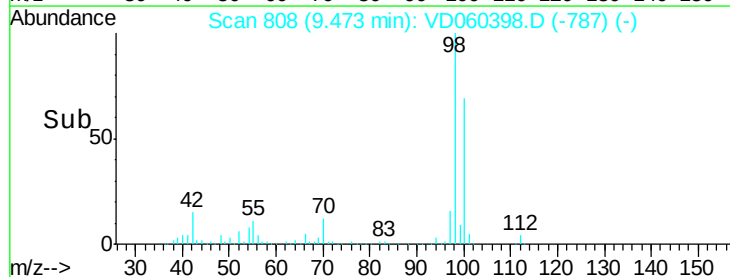
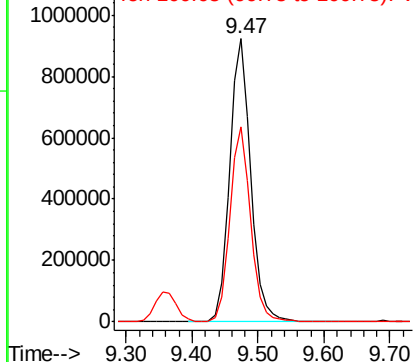


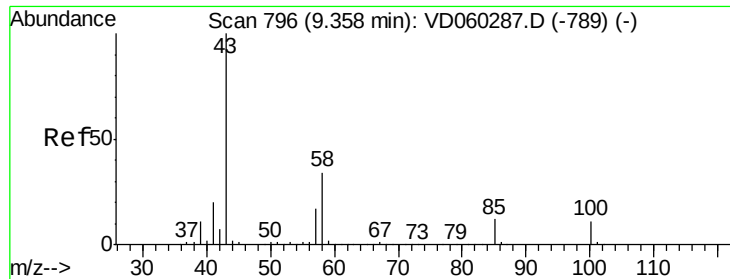
#50
Toluene-d8
Concen: 1355.01 ug/l
RT: 9.47 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

Tgt Ion: 98 Resp: 2069472
Ion Ratio Lower Upper
98 100
100 69.0 55.2 82.8



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





#51

4-Methyl-2-Pentanone

Concen: 295.80 ug/l

RT: 9.36 min Scan# 796

Delta R.T. -0.00 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

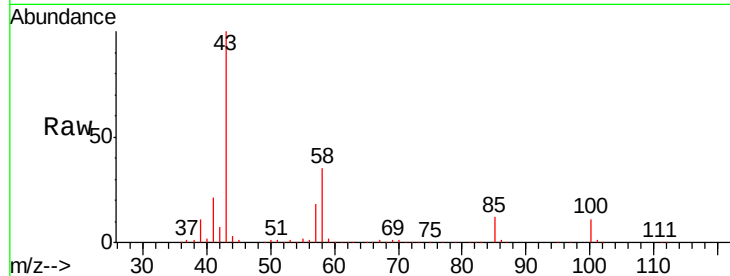
FDSB-05(25-27)MS

Tgt Ion: 43 Resp: 2129554

Ion Ratio Lower Upper

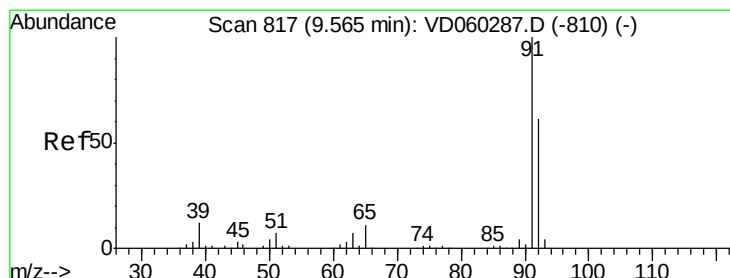
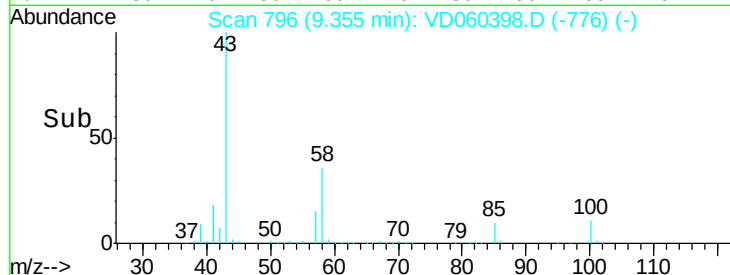
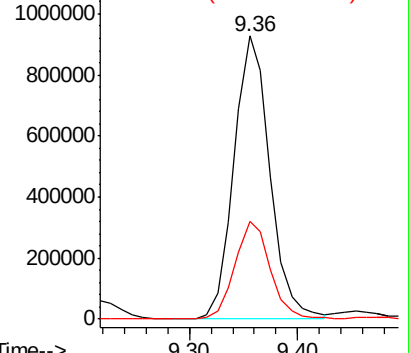
43 100

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



#52

Toluene

Concen: 50.13 ug/l

RT: 9.56 min Scan# 817

Delta R.T. -0.00 min

Lab File: VD060398.D

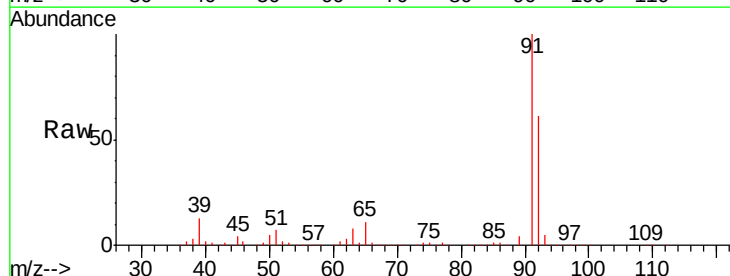
Acq: 16 Nov 2018 15:14

Tgt Ion: 92 Resp: 1564226

Ion Ratio Lower Upper

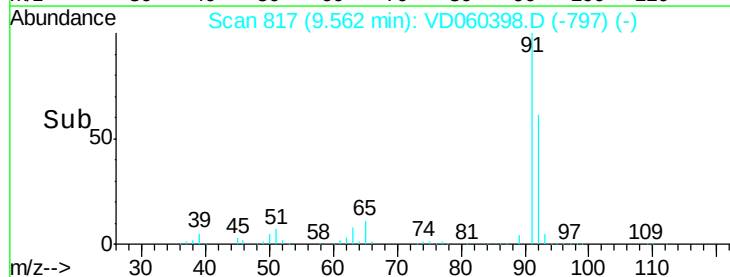
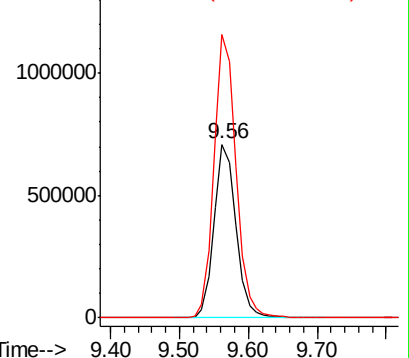
92 100

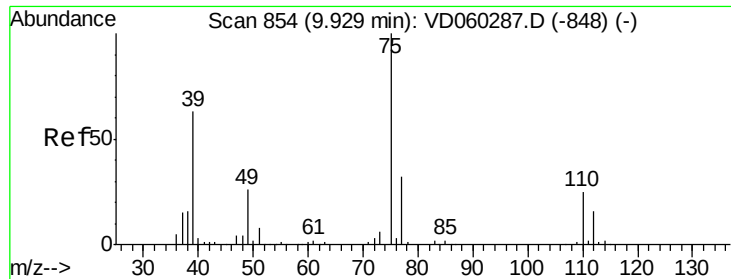
91 163.2 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 54.04 ug/l

RT: 9.94 min Scan# 855

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

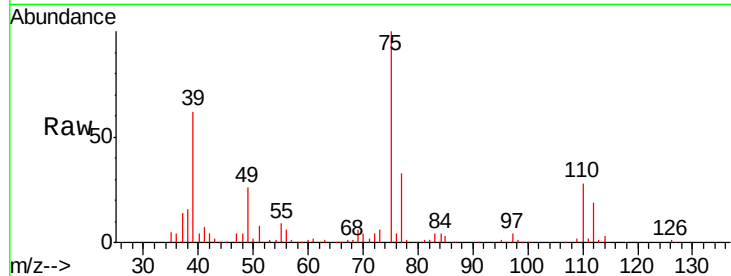
FDSB-05(25-27)MS

Tgt Ion: 75 Resp: 776282

Ion Ratio Lower Upper

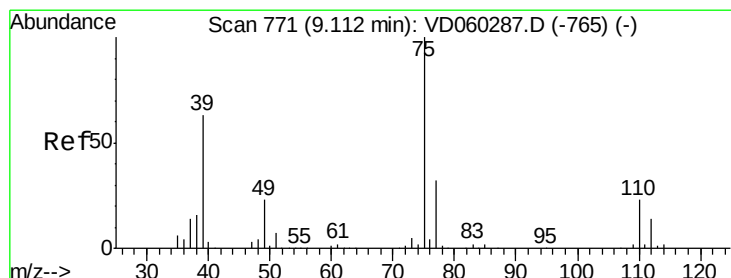
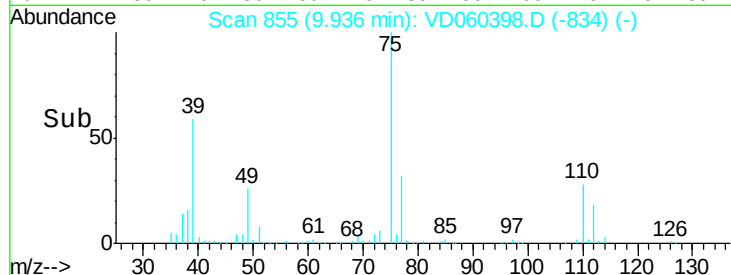
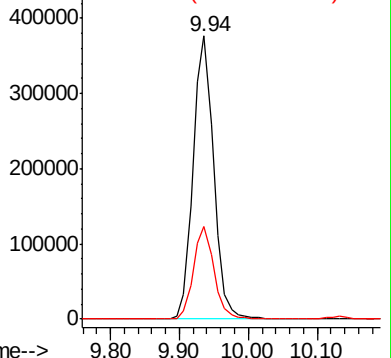
75 100

77 32.7 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 50.47 ug/l

RT: 9.12 min Scan# 772

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

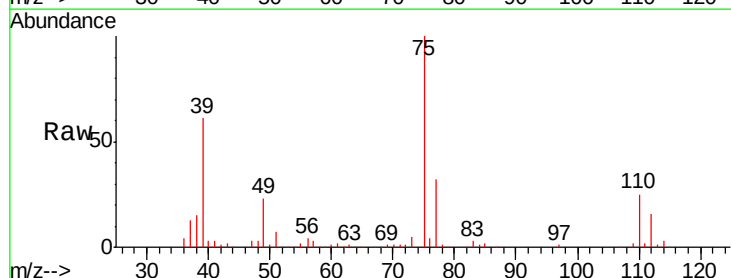
Tgt Ion: 75 Resp: 929935

Ion Ratio Lower Upper

75 100

77 32.0 26.3 39.5

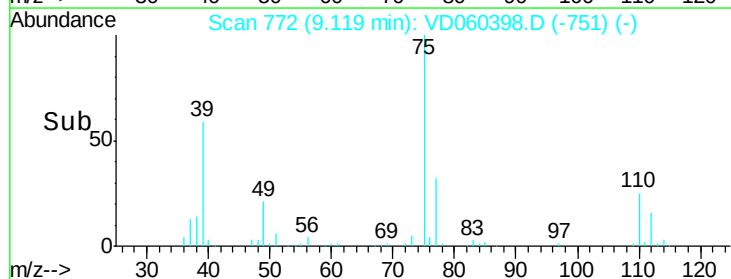
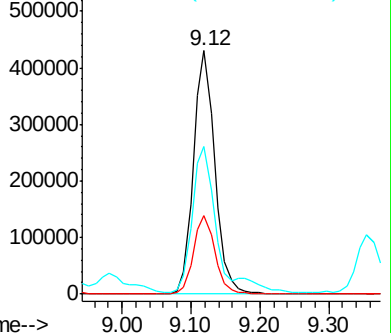
39 60.7 50.8 76.2

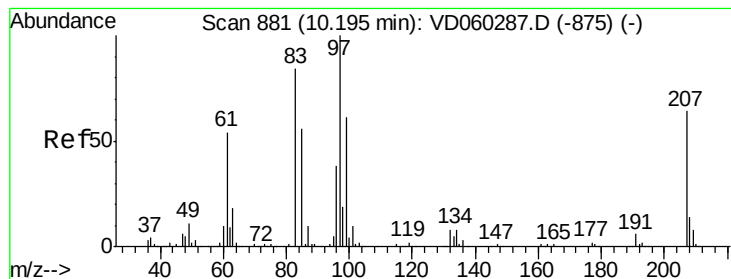


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 53.19 ug/l

RT: 10.20 min Scan# 882

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

Tgt Ion: 97 Resp: 481031

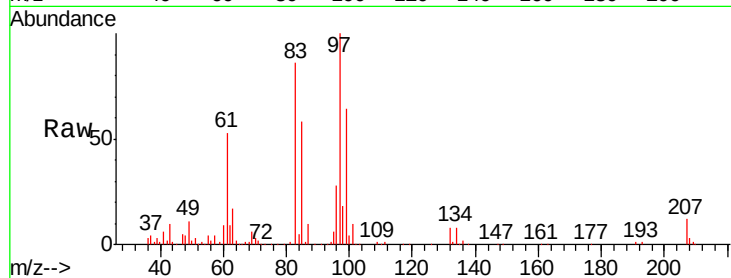
Ion Ratio Lower Upper

97 100

83 86.1 68.4 102.6

85 57.5 46.8 70.2

99 63.7 49.5 74.3

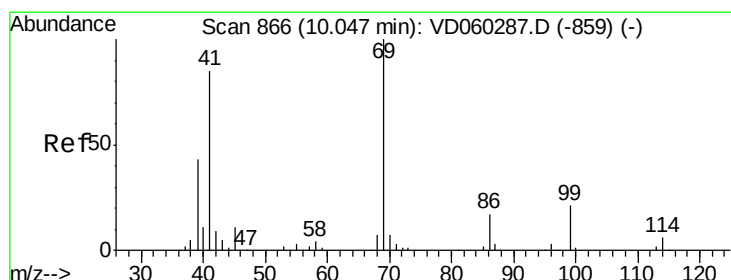
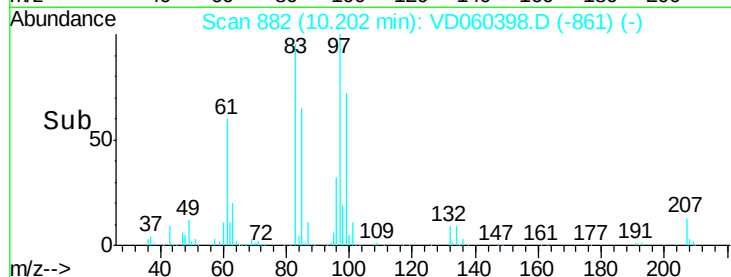
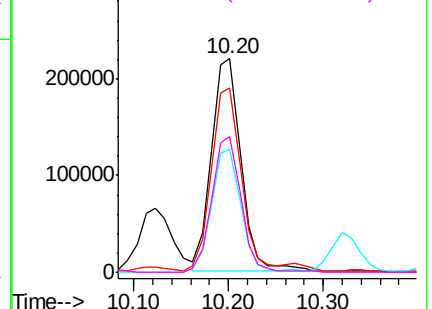


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 61.73 ug/l

RT: 10.04 min Scan# 866

Delta R.T. -0.00 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

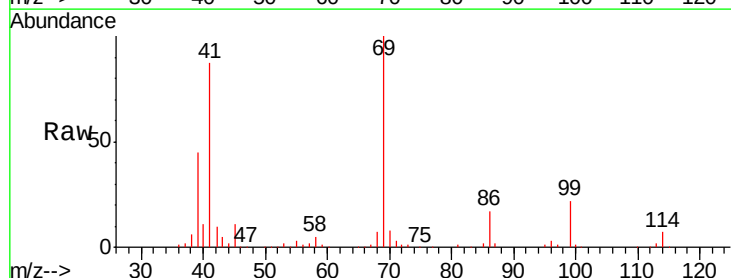
Tgt Ion: 69 Resp: 513299

Ion Ratio Lower Upper

69 100

41 86.9 69.0 103.4

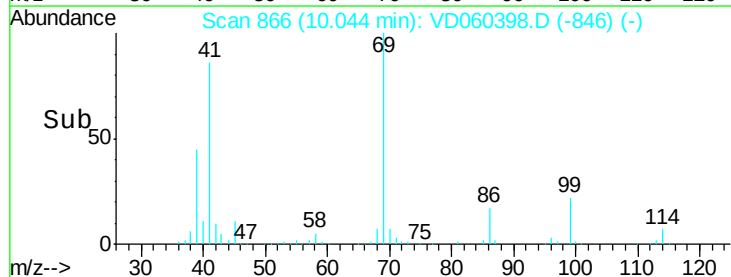
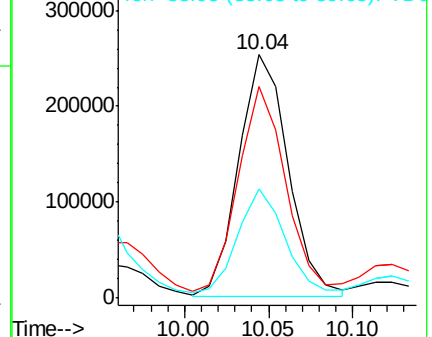
39 45.1 36.6 54.8

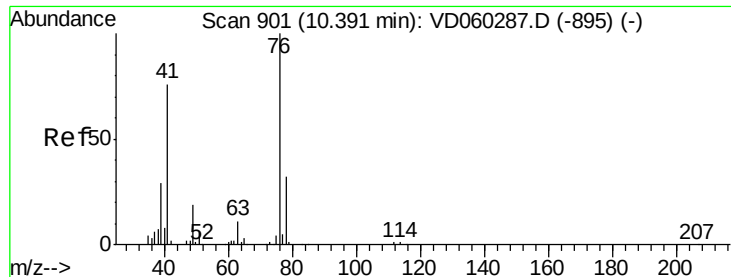


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

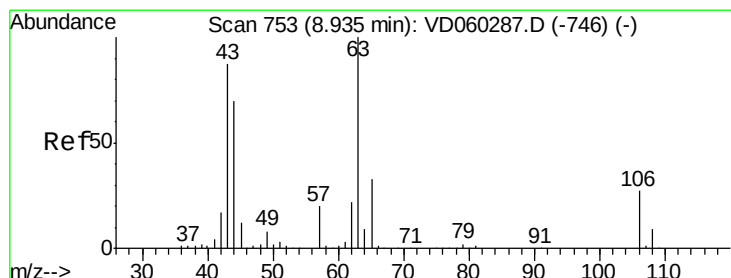
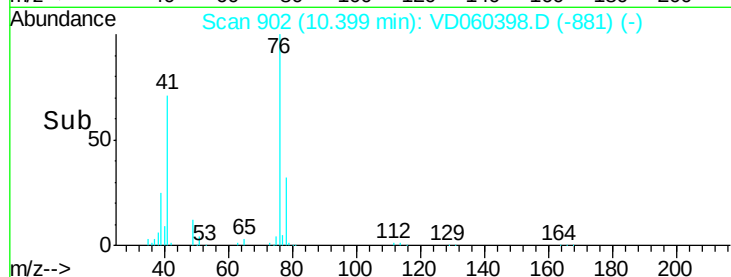
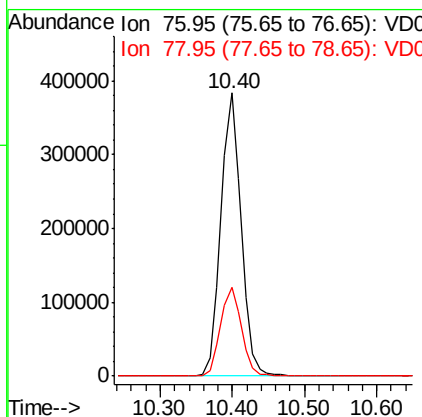
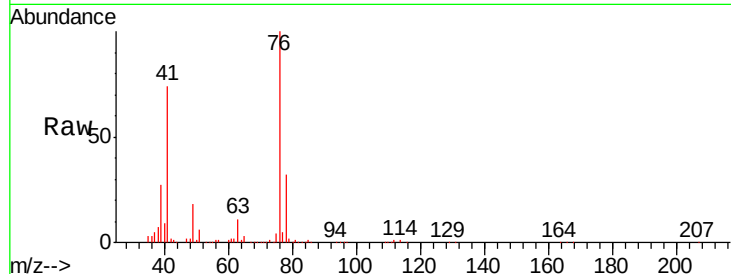




#57
 1,3-Dichloropropane
 Concen: 54.02 ug/l
 RT: 10.40 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

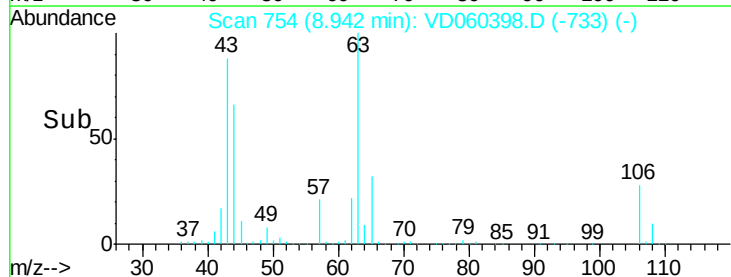
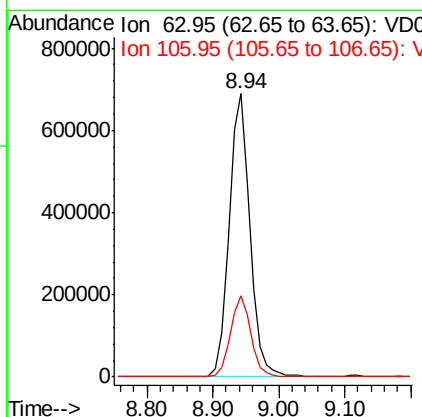
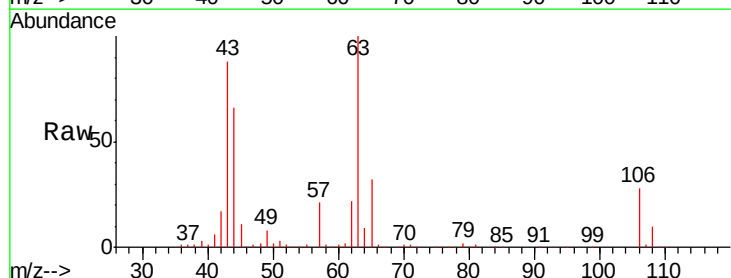
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

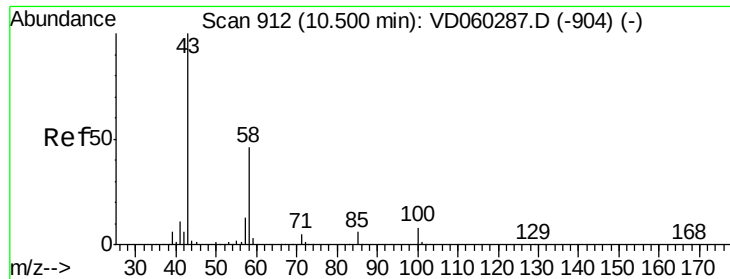
Tgt Ion: 76 Resp: 744412
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 302.98 ug/l
 RT: 8.94 min Scan# 754
 Delta R.T. 0.01 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

Tgt Ion: 63 Resp: 1523357
 Ion Ratio Lower Upper
 63 100
 106 28.5 21.5 32.3

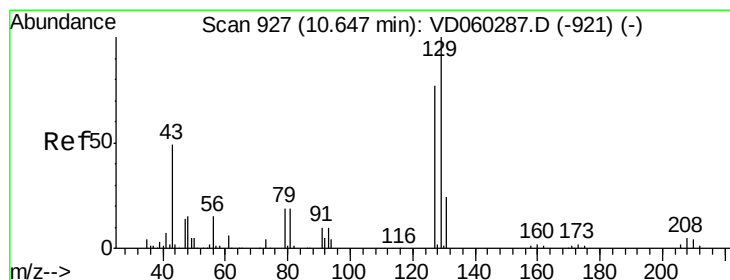
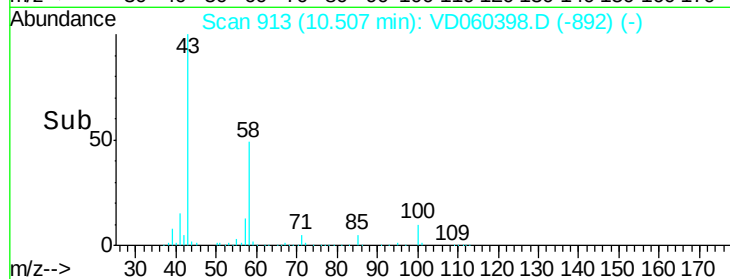
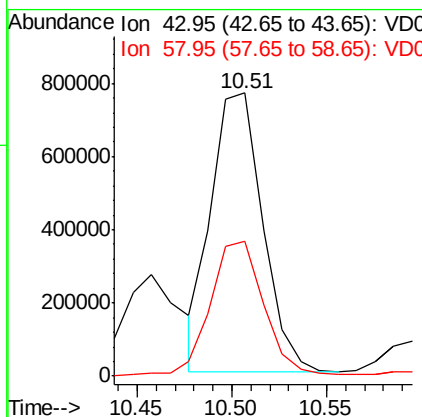
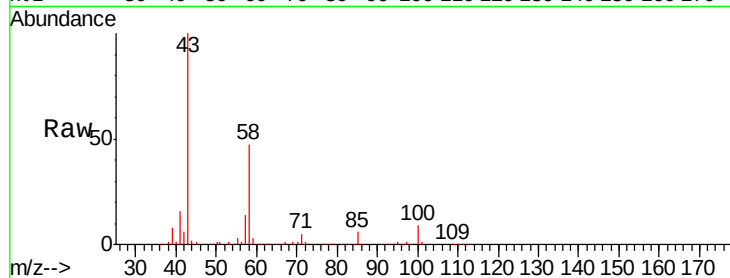




#59
2-Hexanone
Concen: 278.59 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

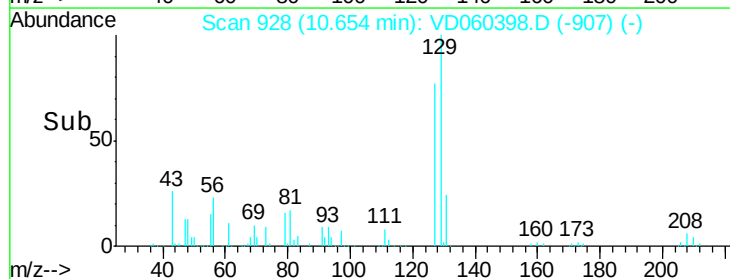
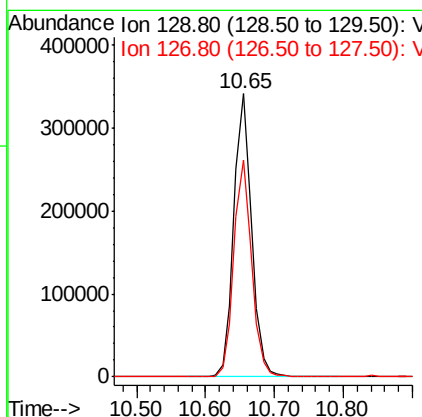
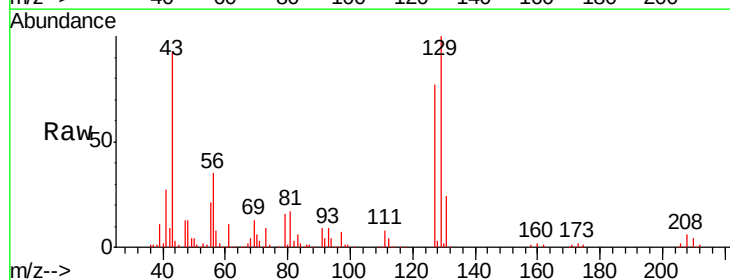
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

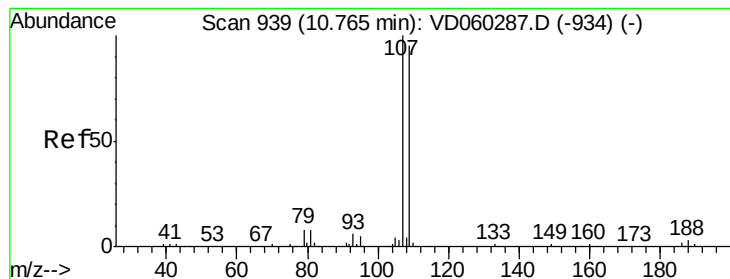
Tgt Ion: 43 Resp: 1429510
Ion Ratio Lower Upper
43 100
58 47.4 22.9 68.5



#60
Dibromochloromethane
Concen: 55.48 ug/l
RT: 10.65 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

Tgt Ion: 129 Resp: 609957
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 58.21 ug/l

RT: 10.77 min Scan# 940

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

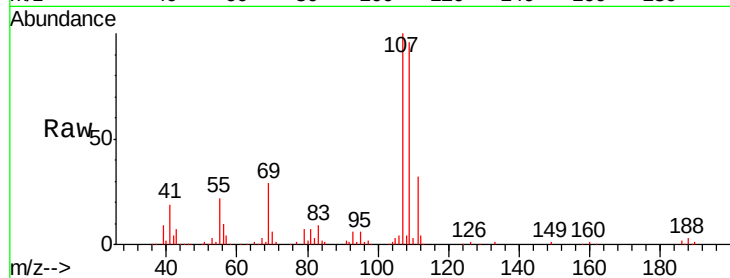
FDSB-05(25-27)MS

Tgt Ion: 107 Resp: 527503

Ion Ratio Lower Upper

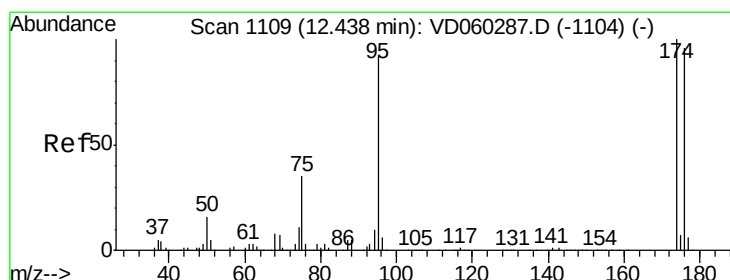
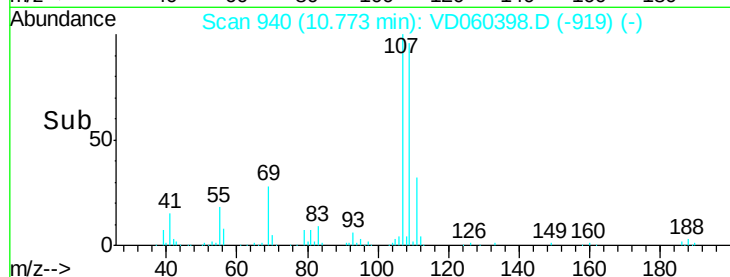
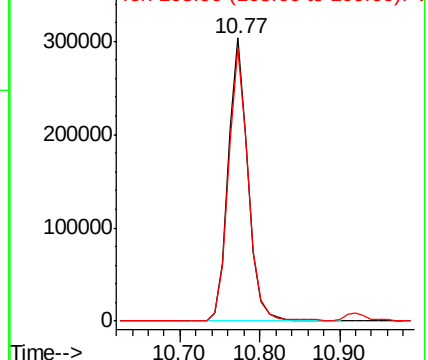
107 100

109 96.3 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 58.21 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

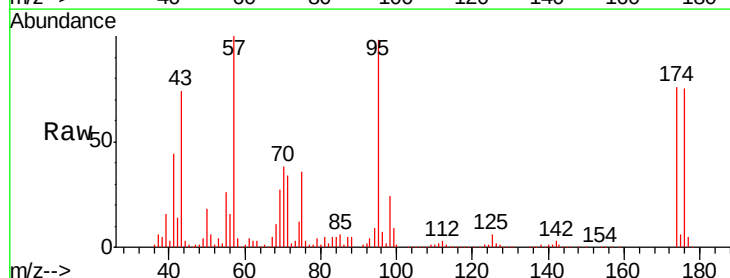
Tgt Ion: 95 Resp: 717358

Ion Ratio Lower Upper

95 100

174 77.3 0.0 160.8

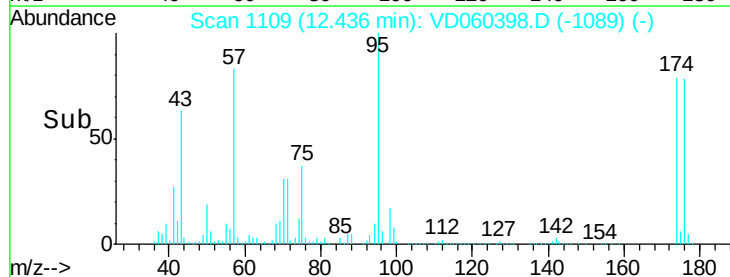
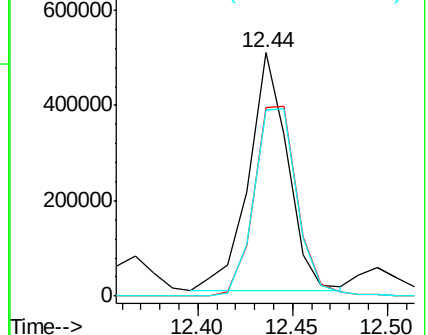
176 76.2 0.0 154.6

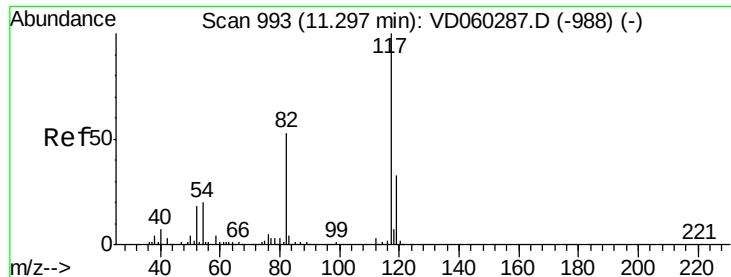


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

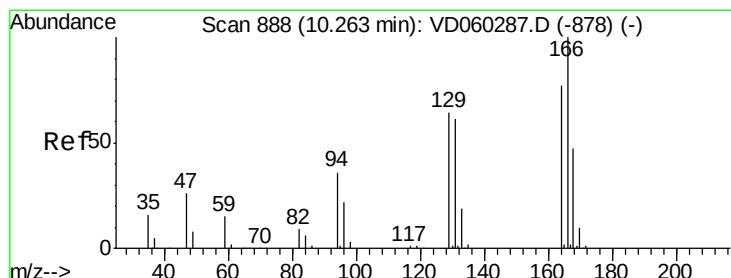
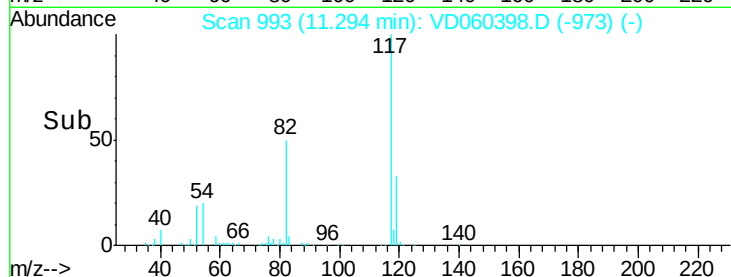
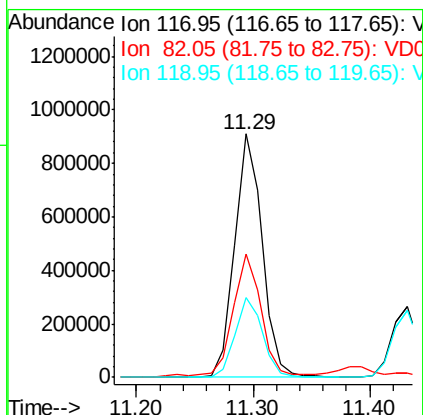
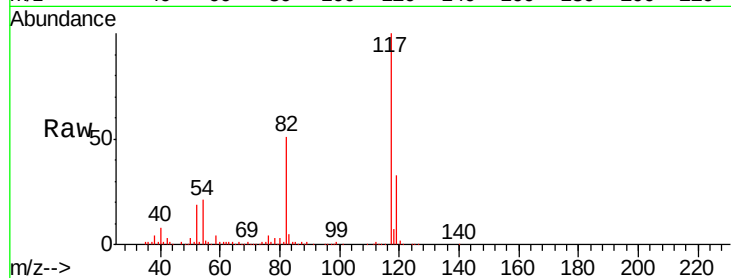




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

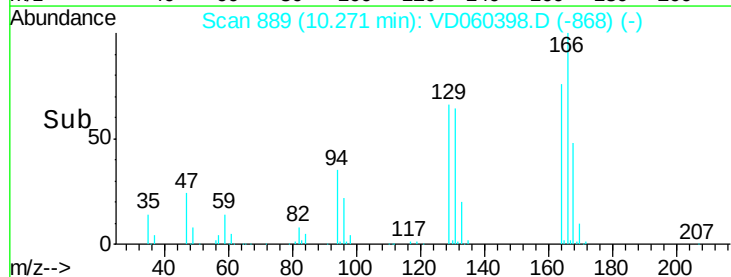
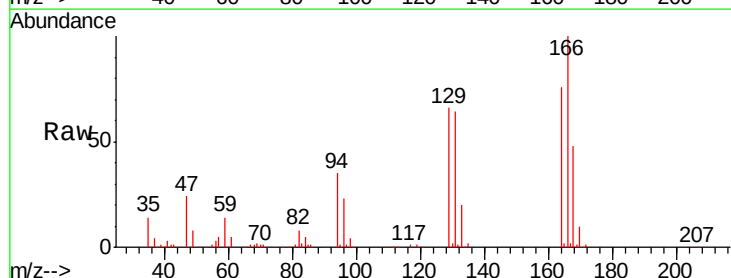
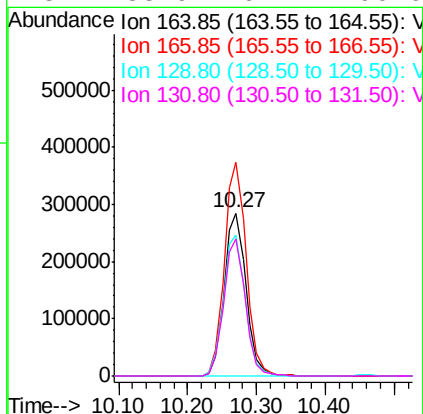
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

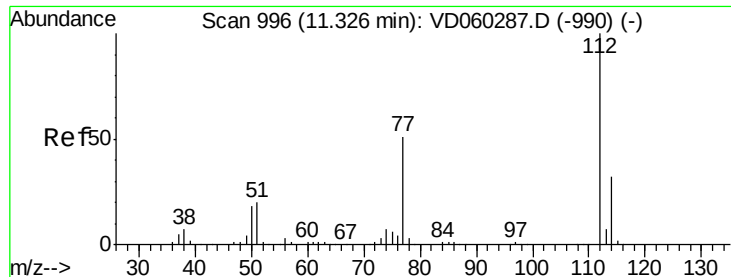
Tgt Ion:117 Resp: 1493497
Ion Ratio Lower Upper
117 100
82 50.6 43.7 65.5
119 32.8 26.1 39.1



#64
Tetrachloroethene
Concen: 46.71 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

Tgt Ion:164 Resp: 622782
Ion Ratio Lower Upper
164 100
166 131.1 103.7 155.5
129 86.2 65.6 98.4
131 83.9 64.4 96.6

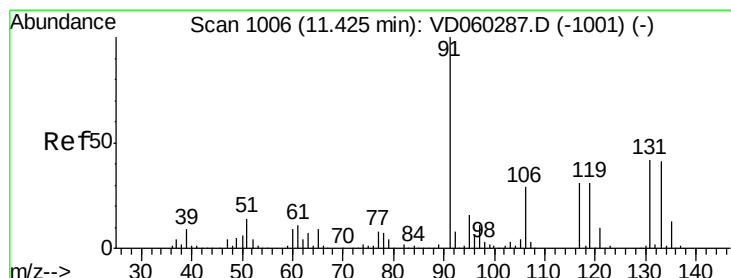
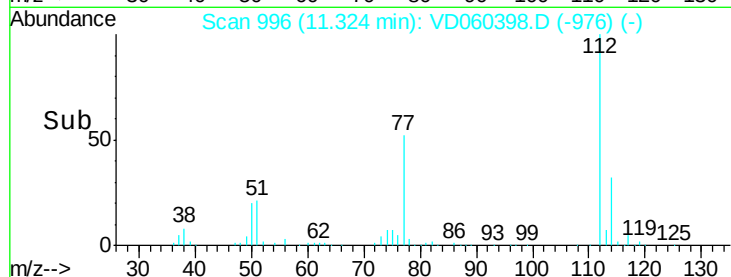
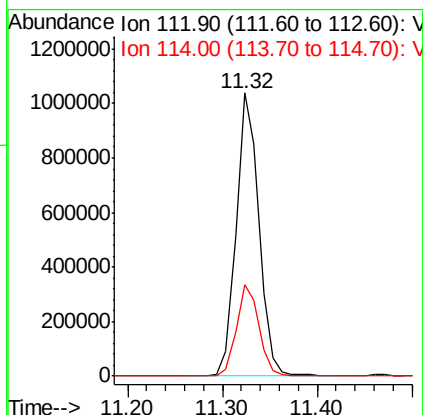
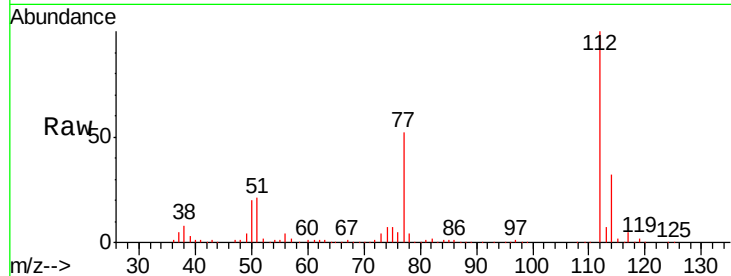




#65
Chlorobenzene
Concen: 53.18 ug/l
RT: 11.32 min Scan# 996
Delta R.T. -0.00 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

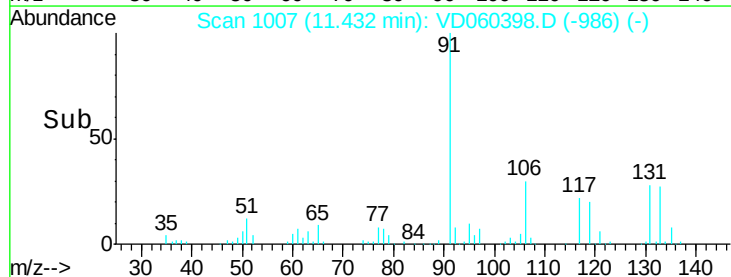
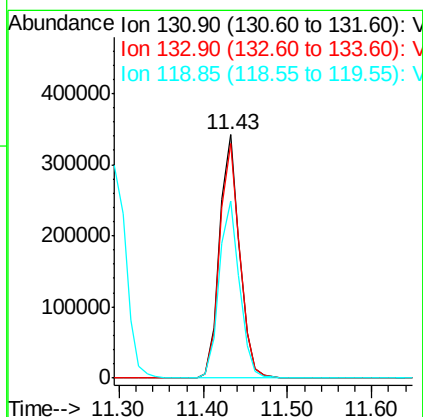
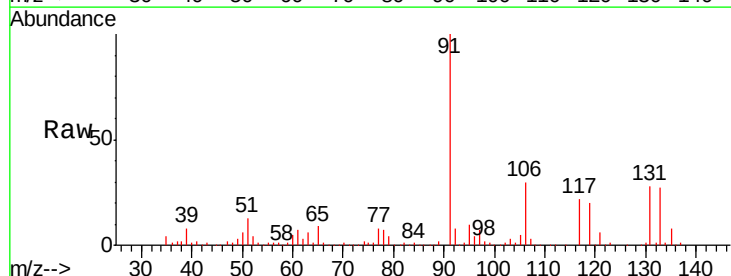
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

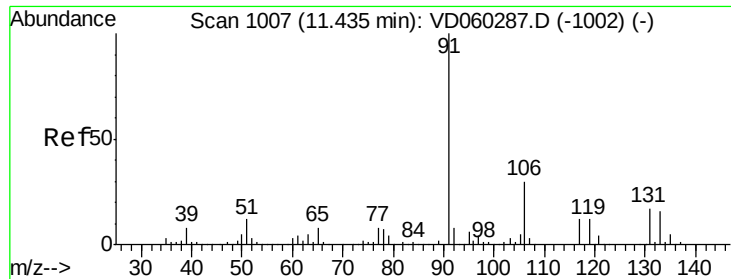
Tgt Ion:112 Resp: 1720955
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.18 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

Tgt Ion:131 Resp: 563011
Ion Ratio Lower Upper
131 100
133 96.1 50.0 150.0
119 72.7 37.0 111.1

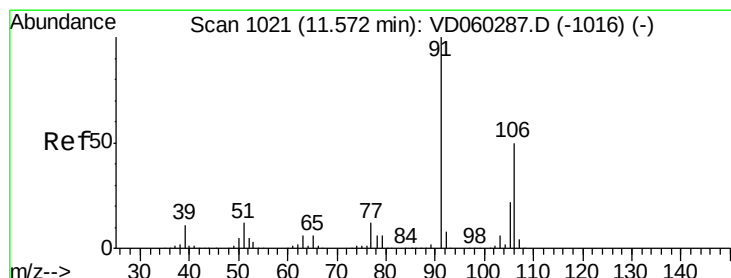
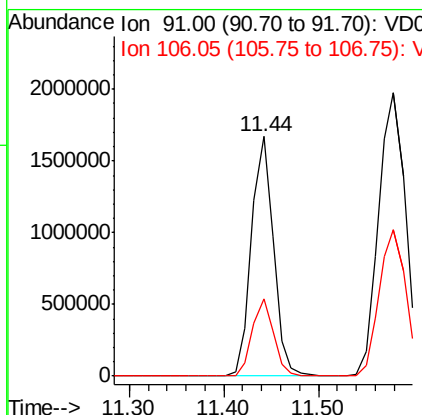
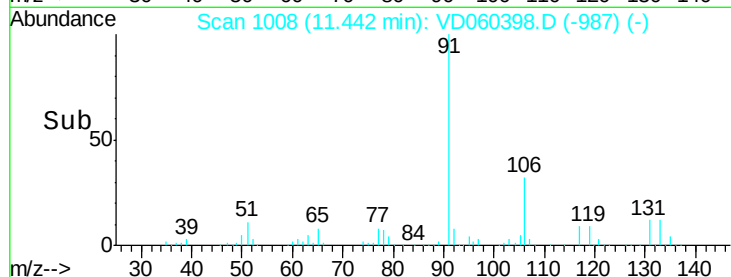
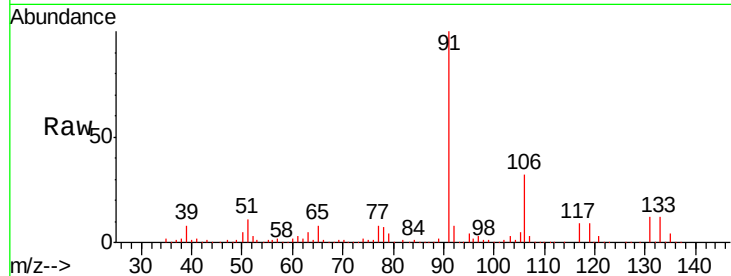




#67
Ethyl Benzene
Concen: 48.81 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

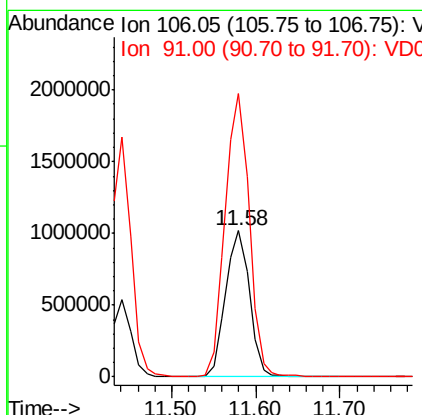
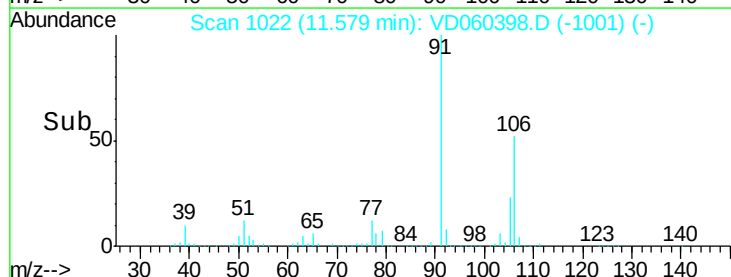
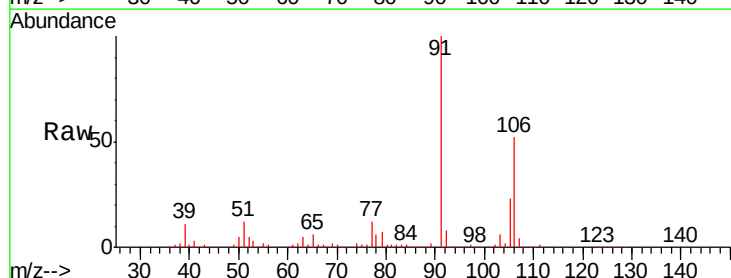
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

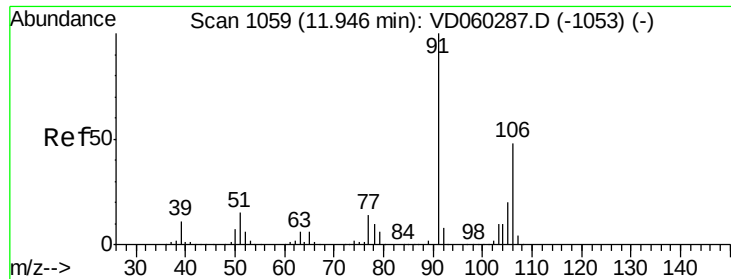
Tgt Ion: 91 Resp: 2702207
Ion Ratio Lower Upper
91 100
106 32.2 24.6 36.8



#68
m/p-Xylenes
Concen: 98.86 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

Tgt Ion: 106 Resp: 2018659
Ion Ratio Lower Upper
106 100
91 193.7 159.4 239.2

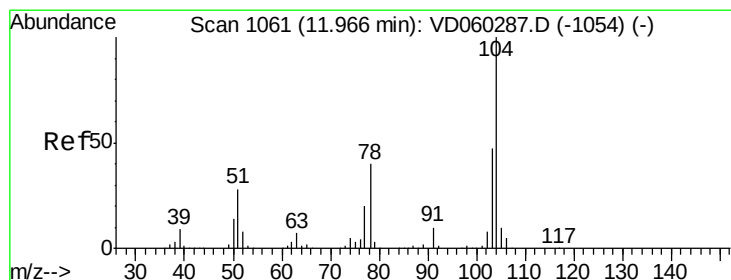
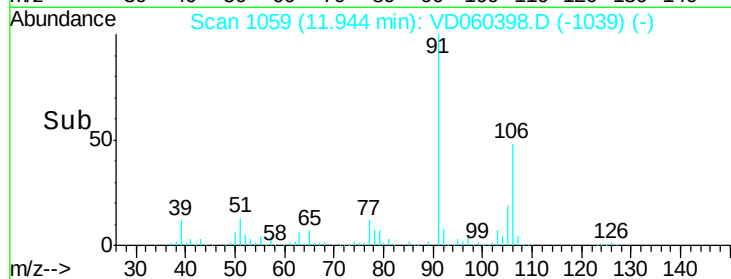
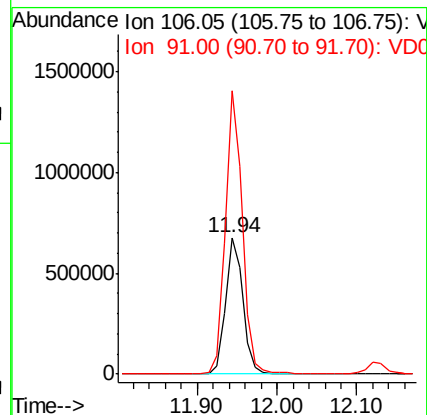
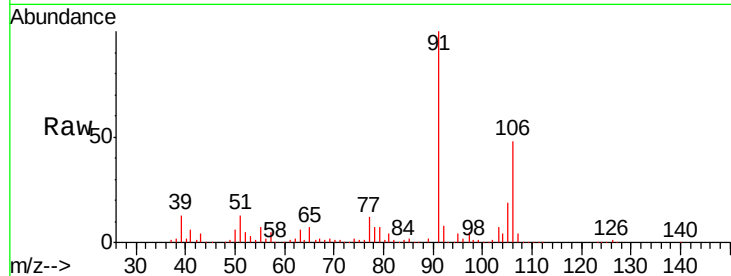




#69
o-Xylene
Concen: 52.56 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

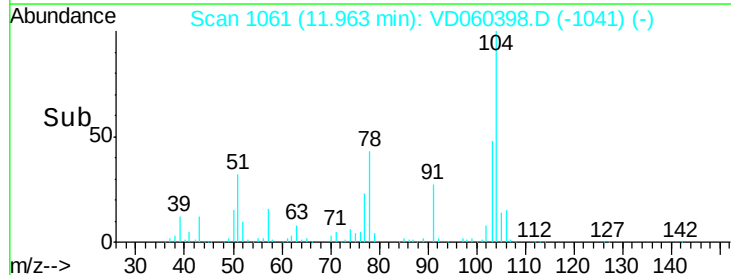
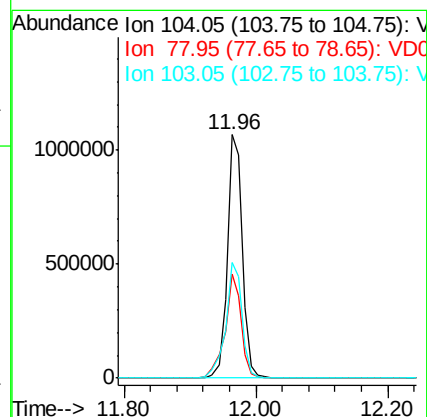
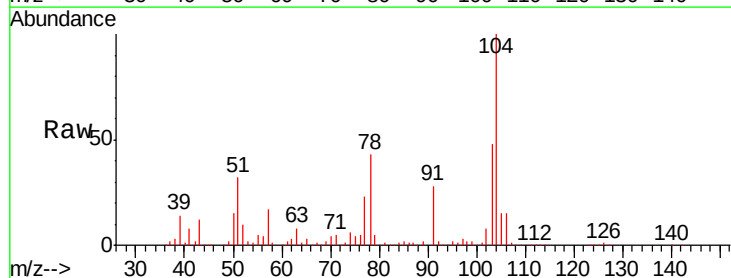
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

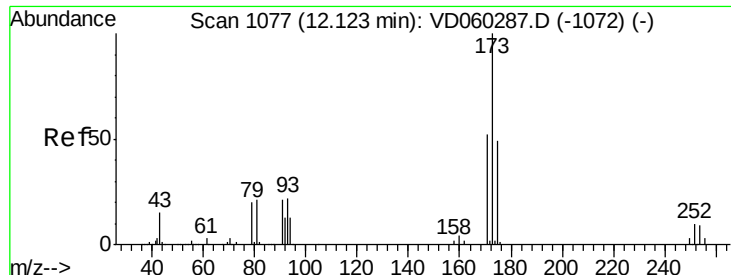
Tgt Ion:106 Resp: 1036788
Ion Ratio Lower Upper
106 100
91 207.1 109.2 327.6



#70
Styrene
Concen: 53.11 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

Tgt Ion:104 Resp: 1693280
Ion Ratio Lower Upper
104 100
78 42.9 31.6 47.4
103 47.5 37.0 55.6





#71

Bromoform

Concen: 54.55 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

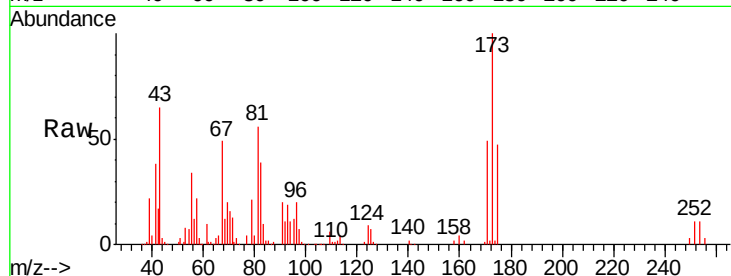
Tgt Ion:173 Resp: 388142

Ion Ratio Lower Upper

173 100

175 47.0 24.3 73.0

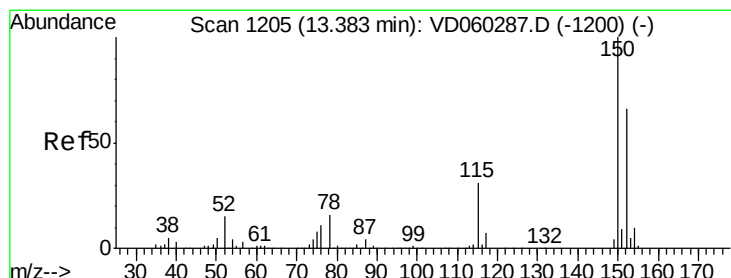
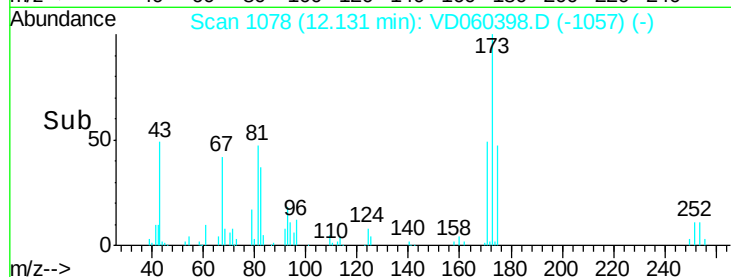
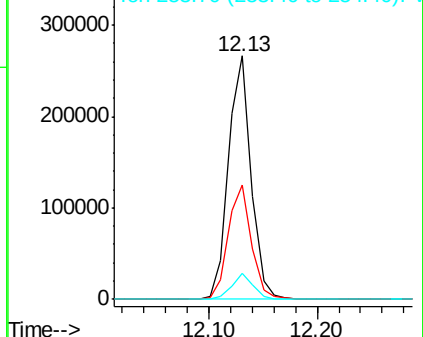
254 10.7 8.3 12.5



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: VD060398.D

Acq: 16 Nov 2018 15:14

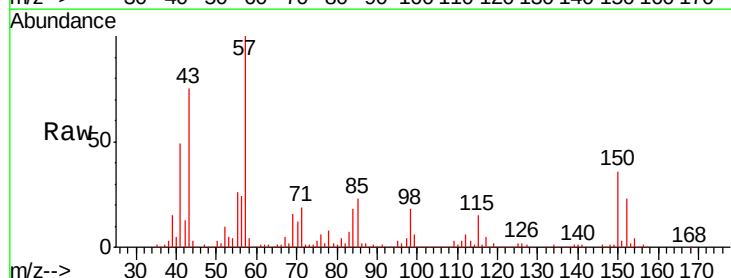
Tgt Ion:152 Resp: 581340

Ion Ratio Lower Upper

152 100

115 66.8 24.1 72.3

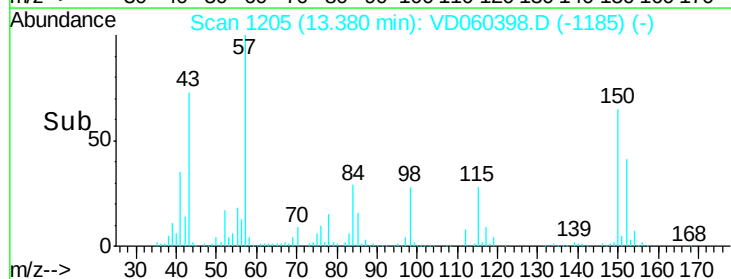
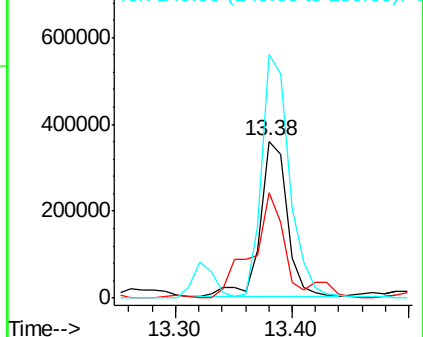
150 155.3 0.0 310.6

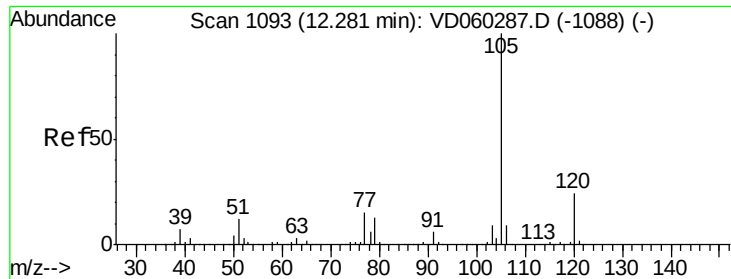


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 66.48 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

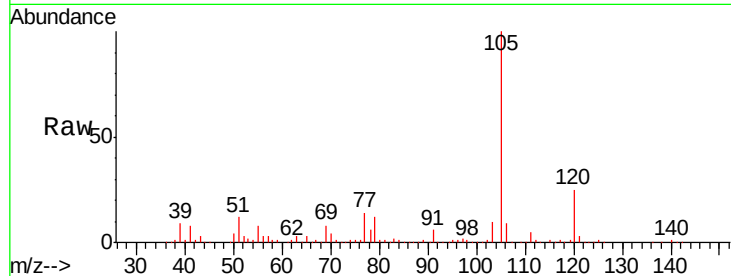
FDSB-05(25-27)MS

Tgt Ion:105 Resp: 2815962

Ion Ratio Lower Upper

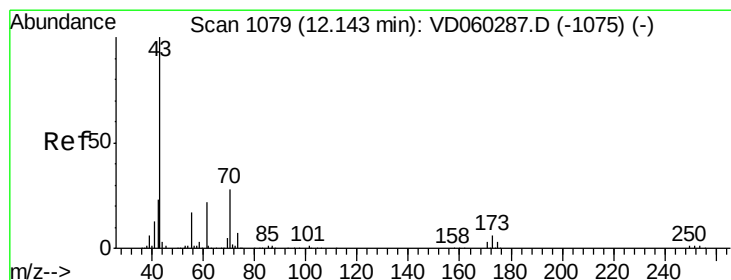
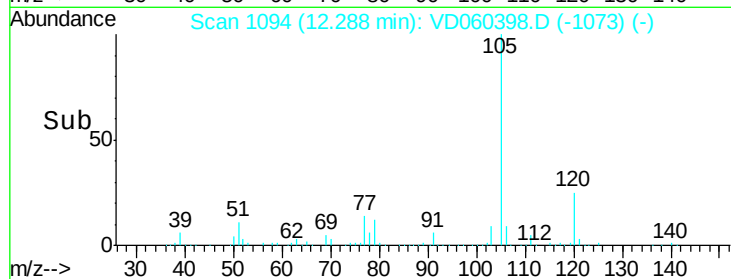
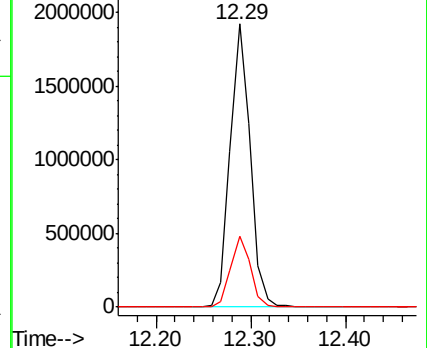
105 100

120 25.2 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 110.59 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Tgt Ion: 43 Resp: 1200877

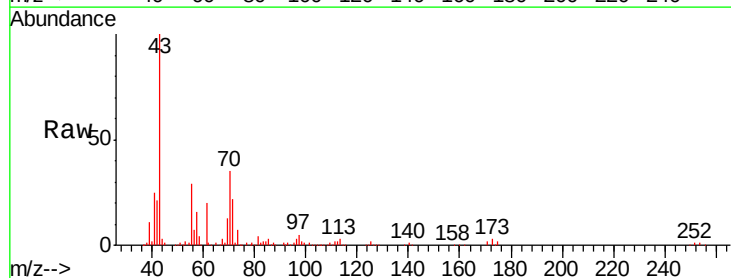
Ion Ratio Lower Upper

43 100

70 34.9 23.0 34.4#

55 29.2 14.2 21.4#

61 20.3 17.8 26.8

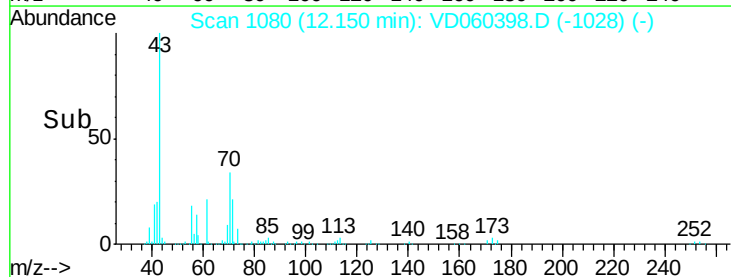
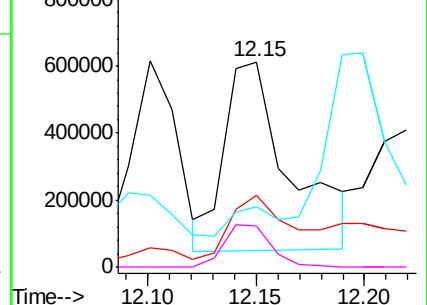


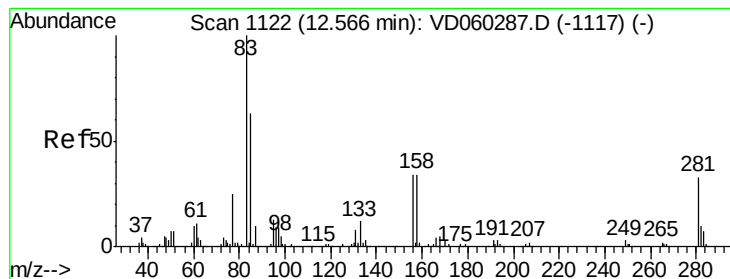
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 106.36 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

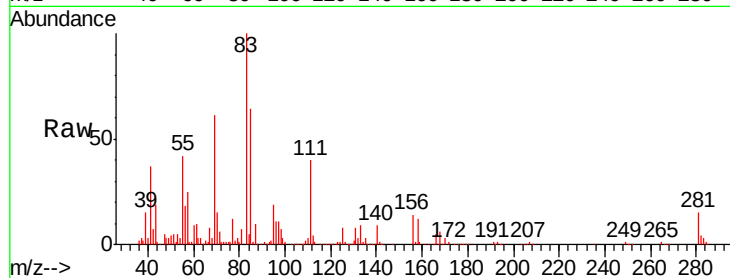
Tgt Ion: 83 Resp: 736771

Ion Ratio Lower Upper

83 100

131 8.3 3.9 11.5

85 64.0 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

500000

400000

300000

200000

100000

0

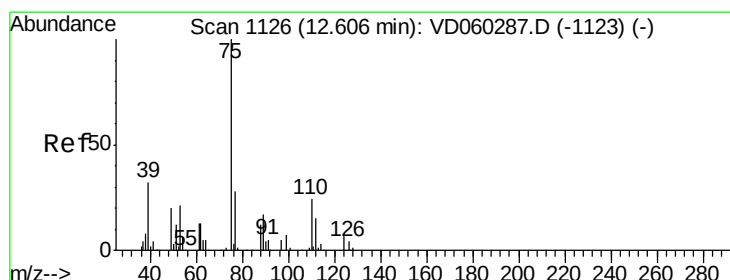
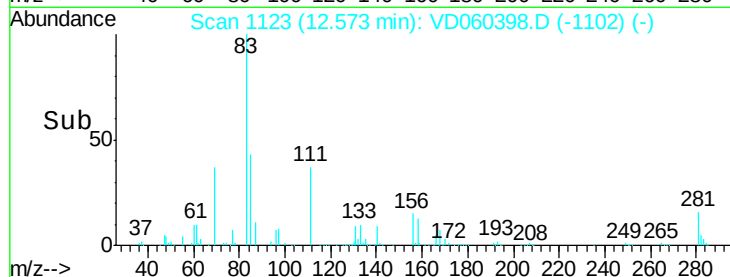
12.50

12.57

12.60

12.70

Time-->



#76

1,2,3-Trichloropropane

Concen: 71.52 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060398.D

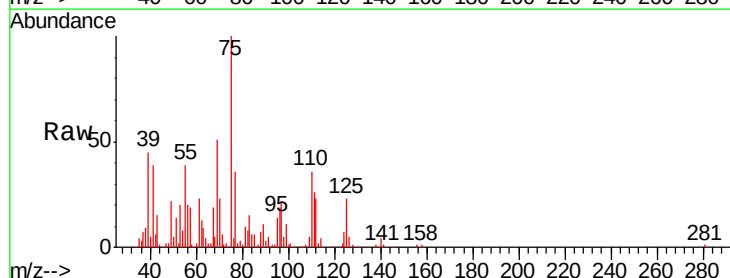
Acq: 16 Nov 2018 15:14

Tgt Ion: 75 Resp: 497362

Ion Ratio Lower Upper

75 100

77 36.4 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

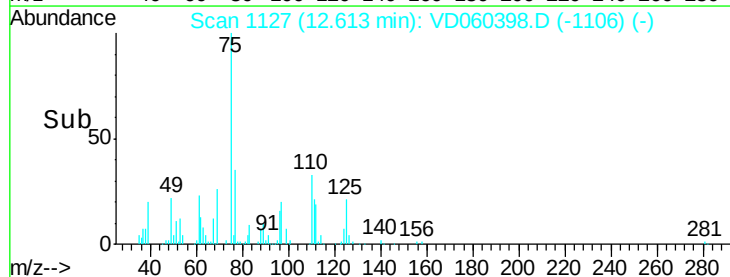
12.55

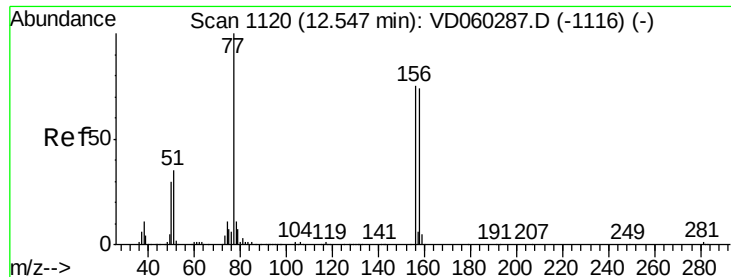
12.61

12.65

12.70

Time-->





#77

Bromobenzene

Concen: 63.13 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

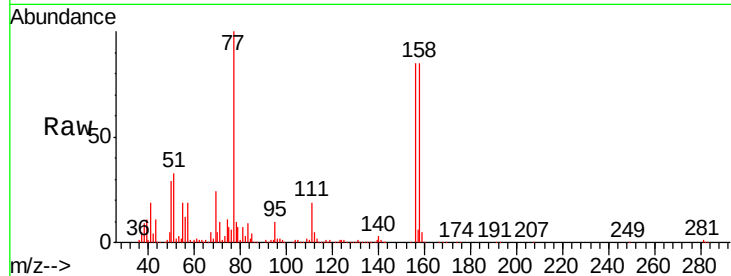
Tgt Ion: 156 Resp: 710276

Ion Ratio Lower Upper

156 100

77 118.0 61.2 183.6

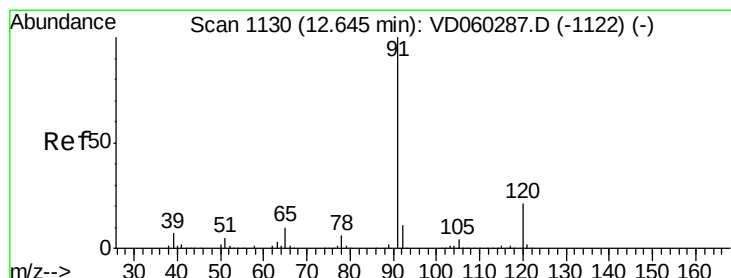
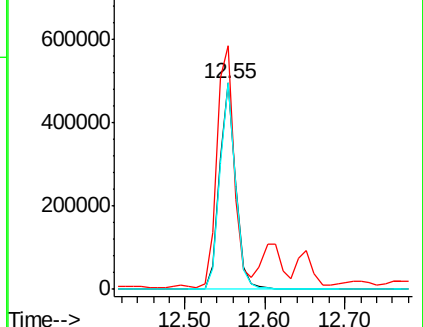
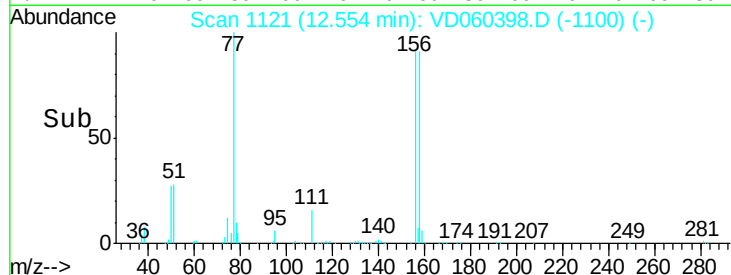
158 100.2 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 71.20 ug/l

RT: 12.65 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VD060398.D

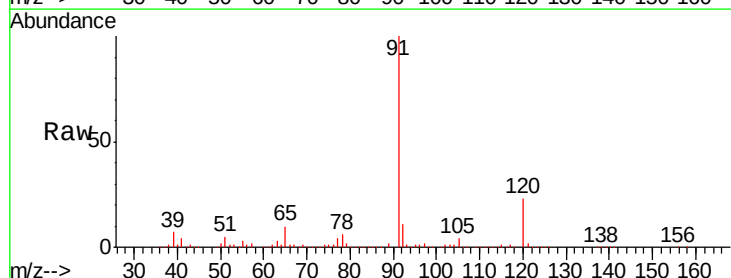
Acq: 16 Nov 2018 15:14

Tgt Ion: 91 Resp: 3764348

Ion Ratio Lower Upper

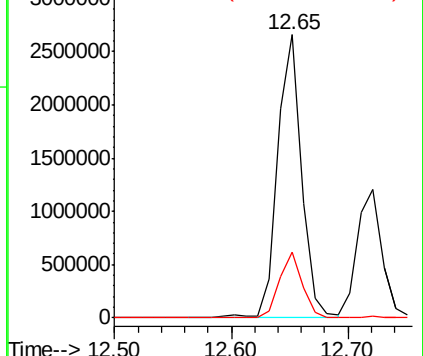
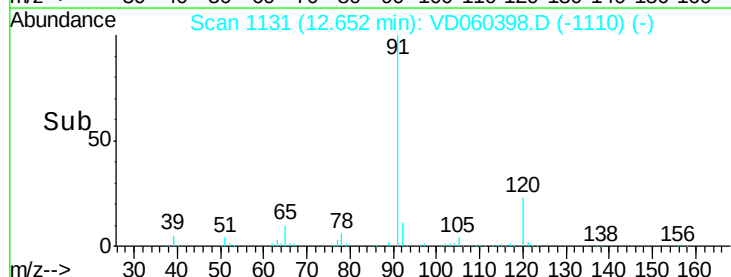
91 100

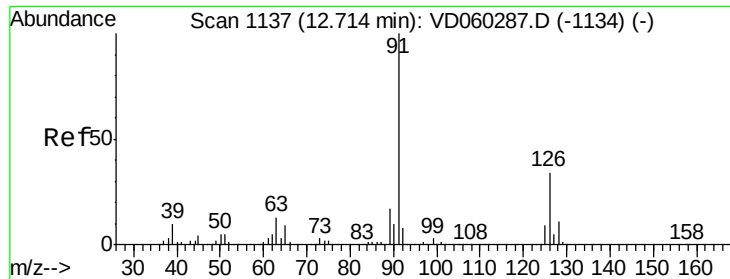
120 23.3 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

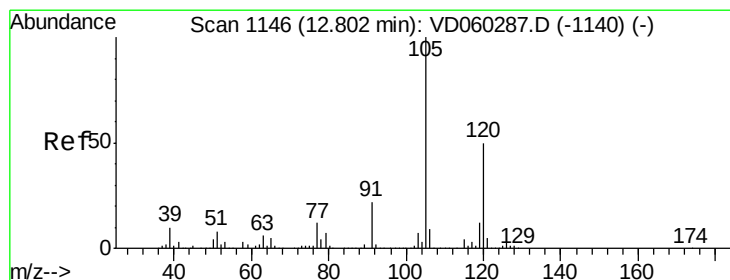
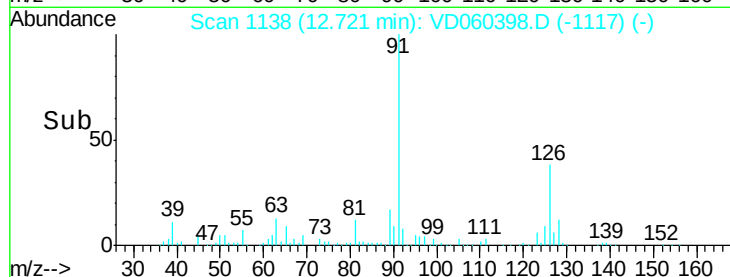
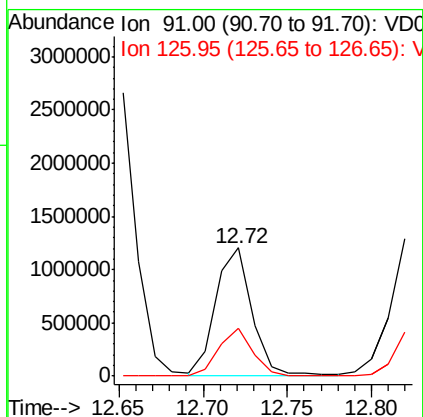
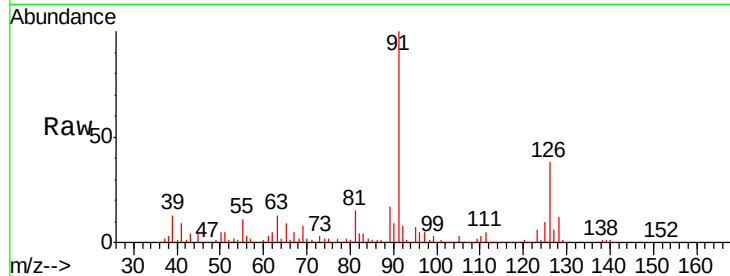




#79
 2-Chlorotoluene
 Concen: 61.62 ug/l
 RT: 12.72 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

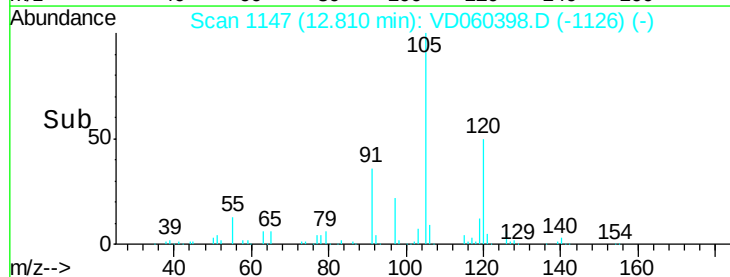
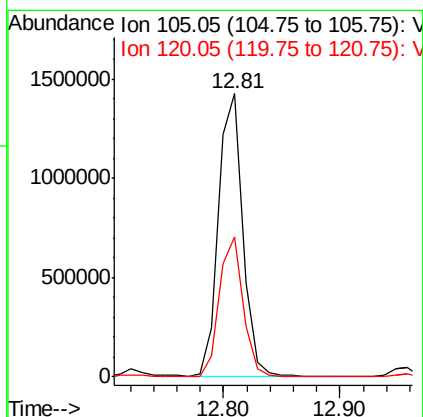
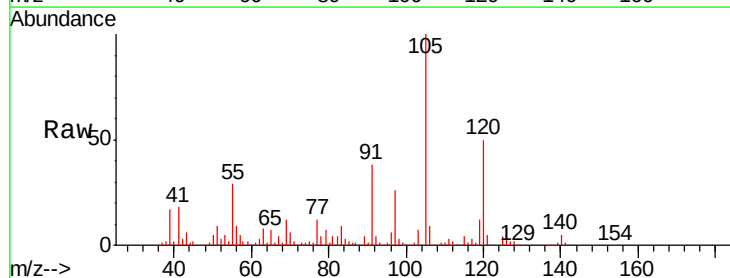
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

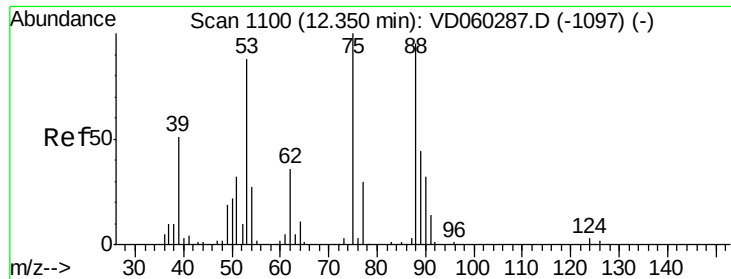
Tgt Ion: 91 Resp: 1784260
 Ion Ratio Lower Upper
 91 100
 126 37.6 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 62.24 ug/l
 RT: 12.81 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

Tgt Ion: 105 Resp: 2048550
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.4 73.4

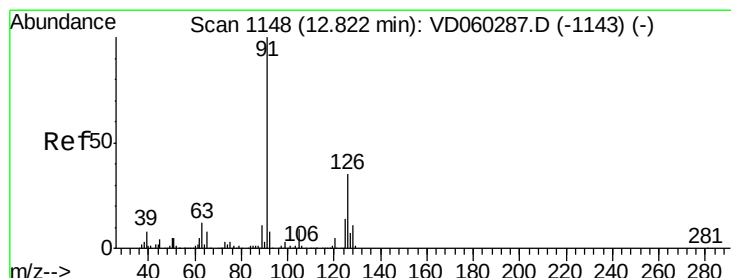
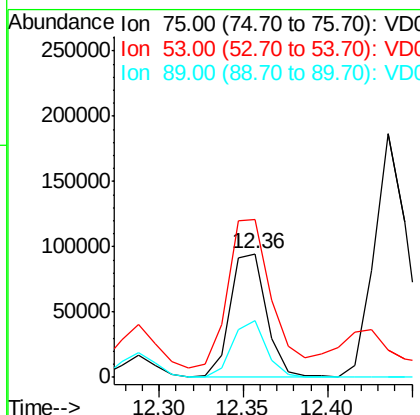
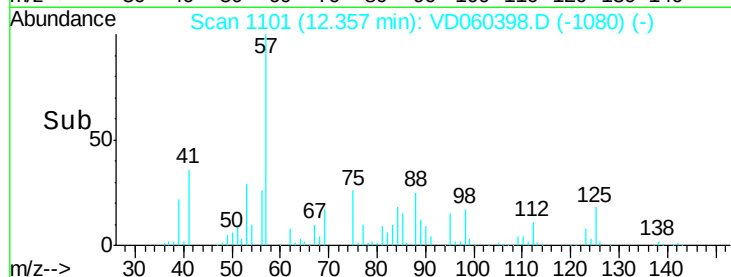
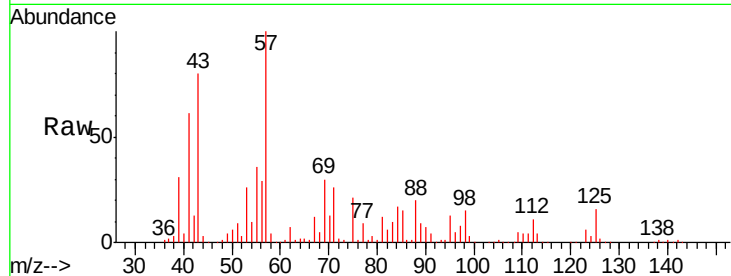




#81
trans-1,4-Dichloro-2-butene
Concen: 71.58 ug/l
RT: 12.36 min Scan# 1101
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

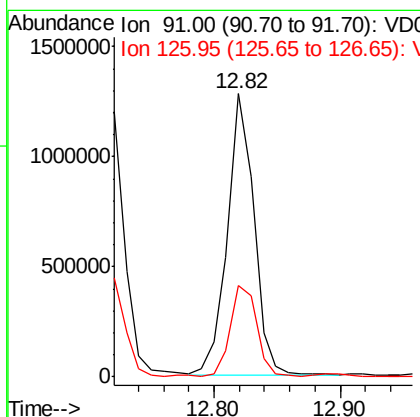
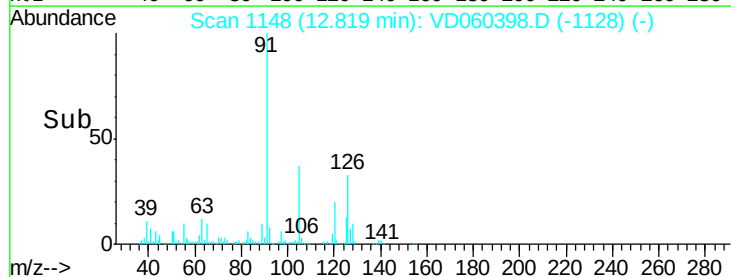
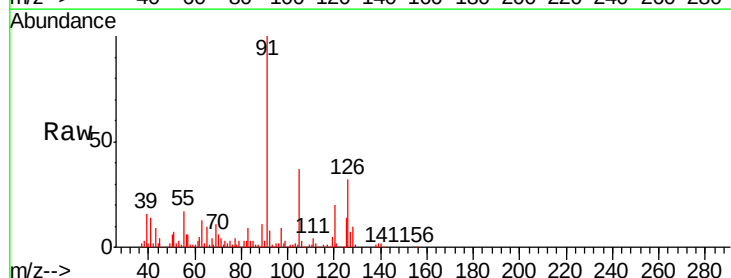
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

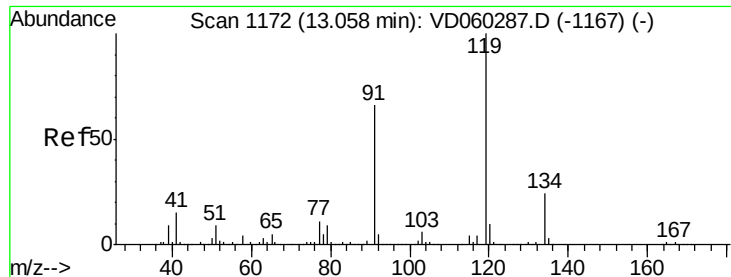
Tgt Ion: 75 Resp: 141725
Ion Ratio Lower Upper
75 100
53 127.3 68.6 103.0#
89 45.4 34.1 51.1



#82
4-Chlorotoluene
Concen: 56.70 ug/l
RT: 12.82 min Scan# 1148
Delta R.T. -0.00 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

Tgt Ion: 91 Resp: 1844232
Ion Ratio Lower Upper
91 100
126 32.3 14.8 44.4

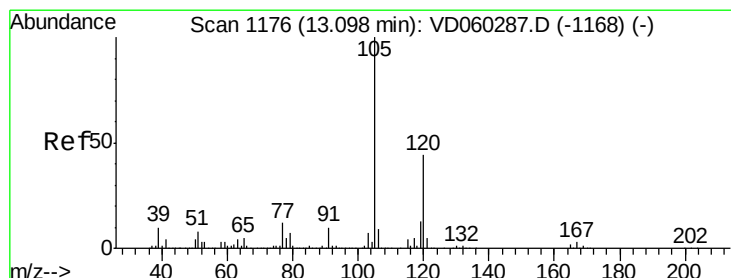
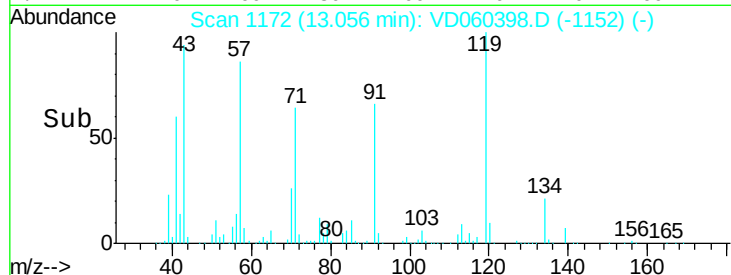
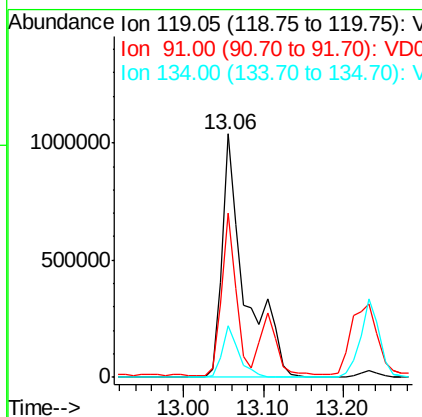
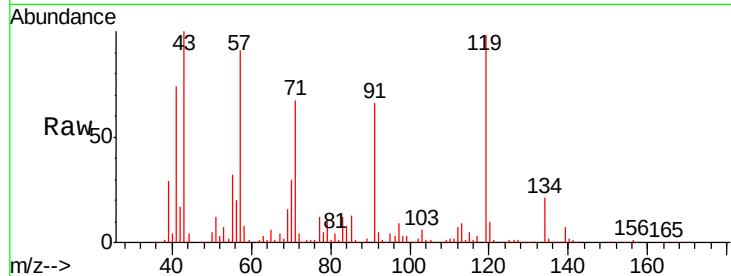




#83
 tert-Butylbenzene
 Concen: 57.77 ug/l
 RT: 13.06 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

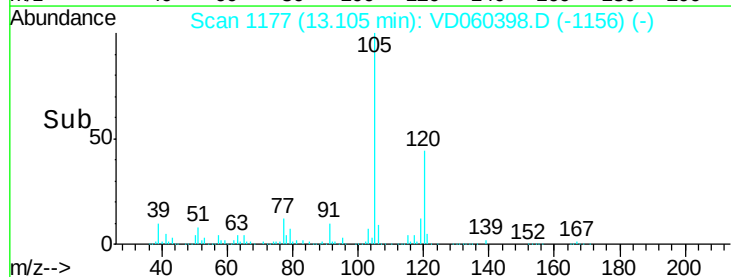
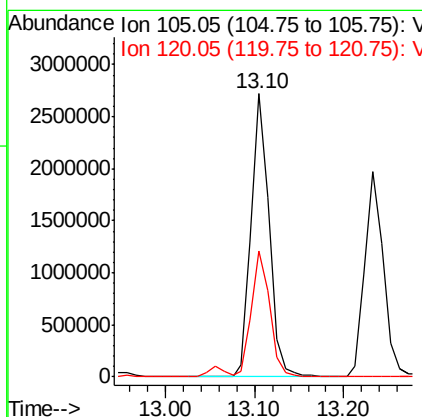
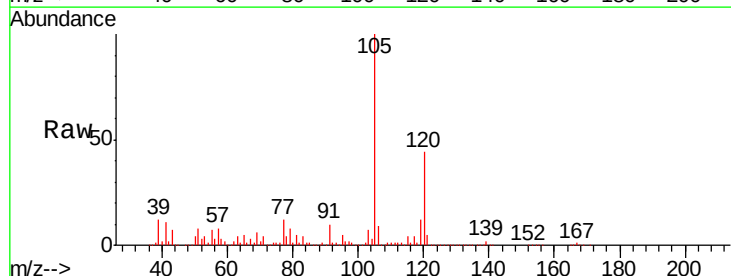
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

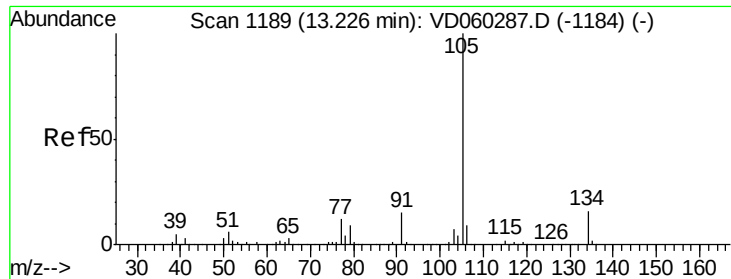
Tgt Ion:119 Resp: 2111104
 Ion Ratio Lower Upper
 119 100
 91 67.5 32.7 98.1
 134 21.4 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 114.63 ug/l
 RT: 13.10 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

Tgt Ion:105 Resp: 3768278
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.9 65.8

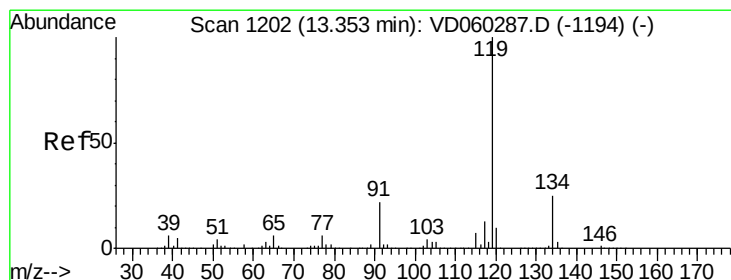
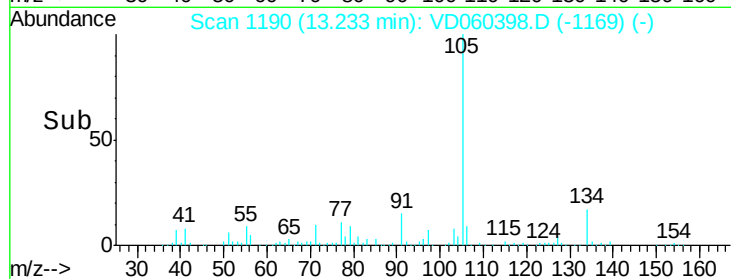
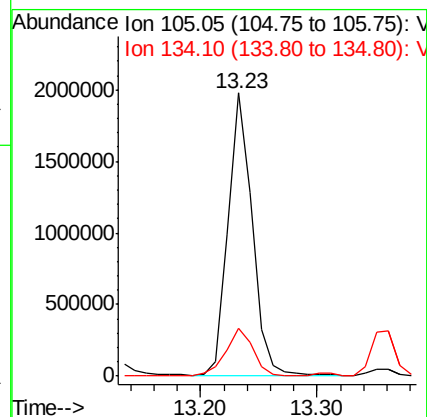
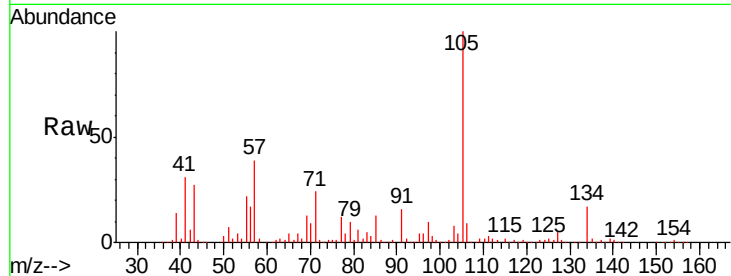




#85
 sec-Butylbenzene
 Concen: 62.65 ug/l
 RT: 13.23 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

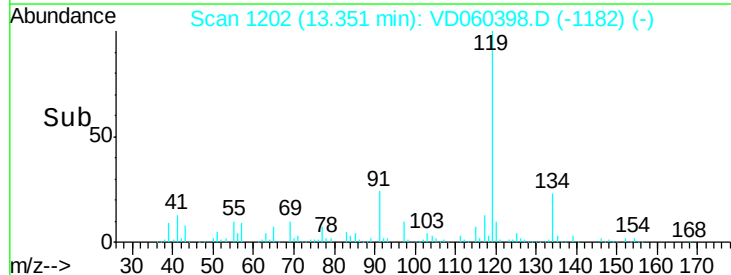
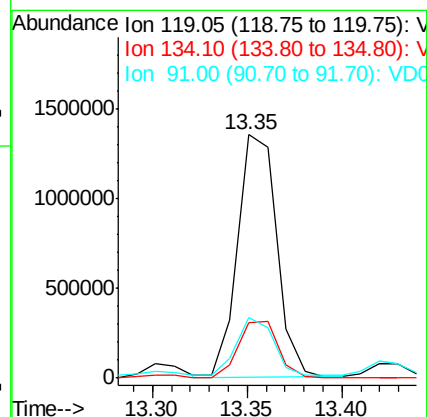
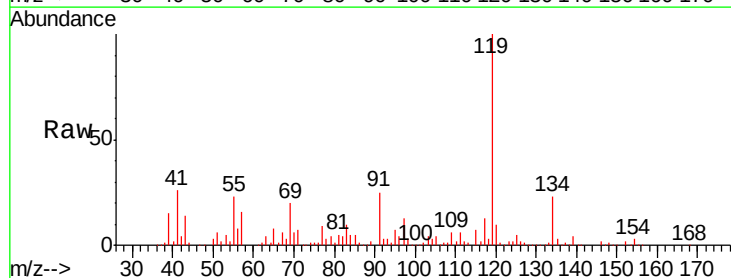
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

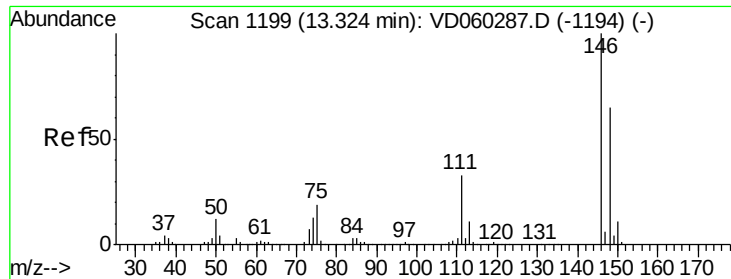
Tgt Ion:105 Resp: 2809052
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 53.35 ug/l
 RT: 13.35 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

Tgt Ion:119 Resp: 1926422
 Ion Ratio Lower Upper
 119 100
 134 22.7 12.9 38.6
 91 24.9 11.3 33.8

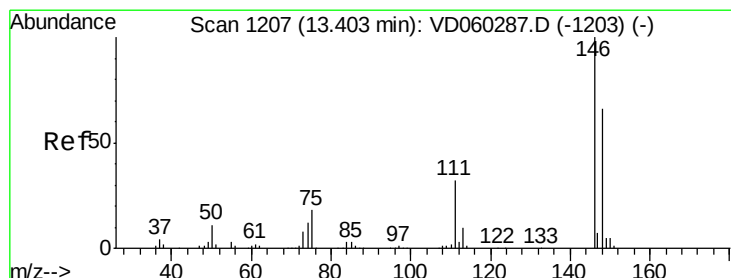
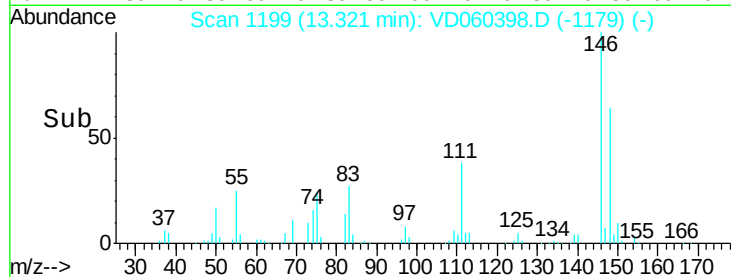
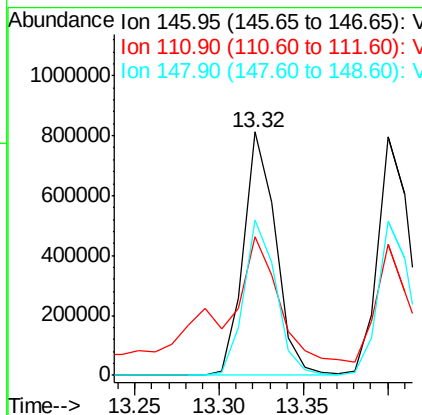
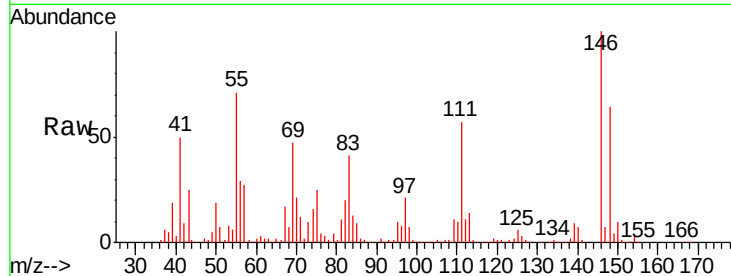




#87
 1,3-Dichlorobenzene
 Concen: 54.09 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

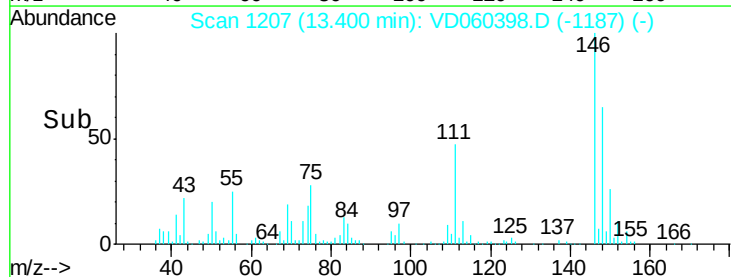
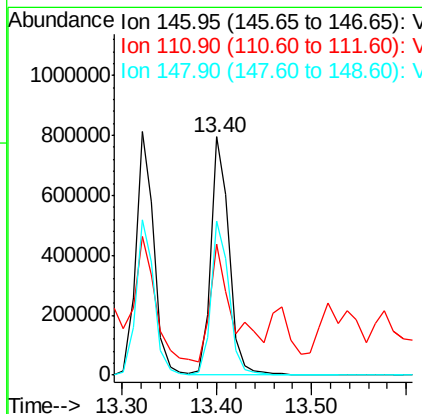
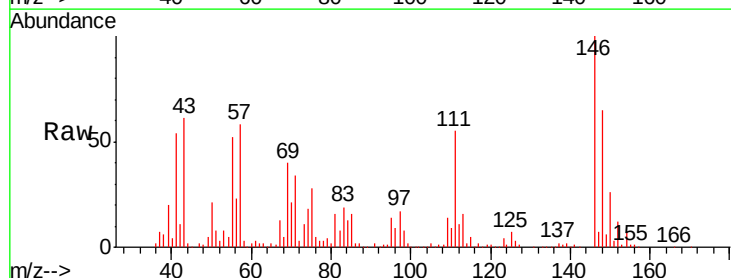
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

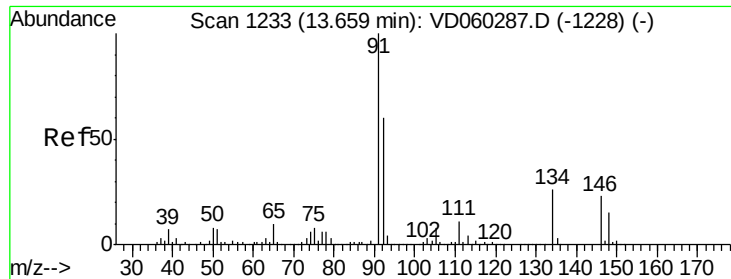
Tgt Ion:146 Resp: 1082752
 Ion Ratio Lower Upper
 146 100
 111 56.7 20.2 60.5
 148 64.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 54.33 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

Tgt Ion:146 Resp: 1062047
 Ion Ratio Lower Upper
 146 100
 111 55.2 16.0 47.9#
 148 64.8 32.9 98.7





#89

n-Butylbenzene

Concen: 81.74 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD060398.D

Acq: 16 Nov 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

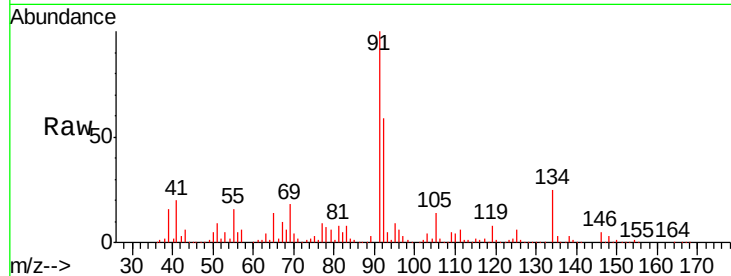
Tgt Ion: 91 Resp: 2559446

Ion Ratio Lower Upper

91 100

92 59.0 30.3 90.9

134 25.0 13.0 38.9

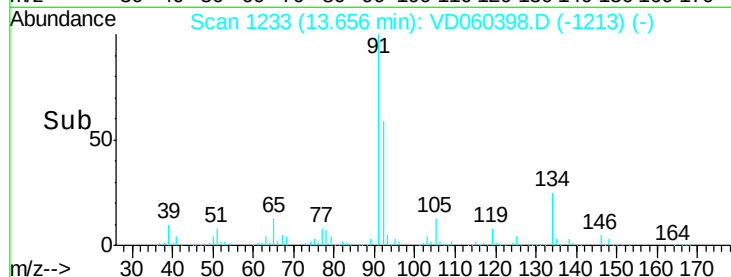


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

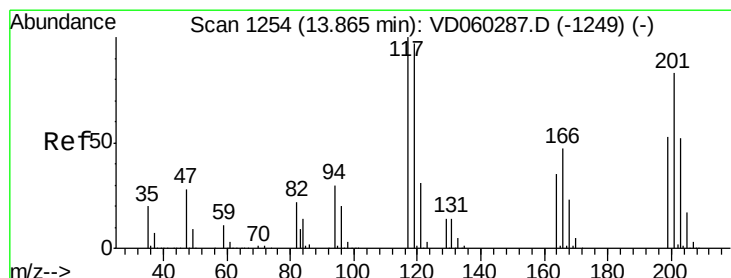
Ion 134.10 (133.80 to 134.80): VDC

Time-->



Abundance

Time-->



#90

Hexachloroethane

Concen: 60.91 ug/l

RT: 13.87 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD060398.D

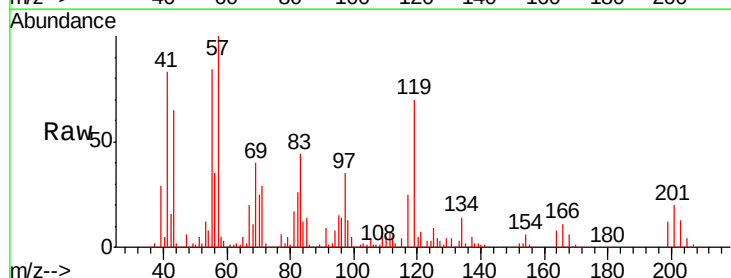
Acq: 16 Nov 2018 15:14

Tgt Ion: 117 Resp: 521505

Ion Ratio Lower Upper

117 100

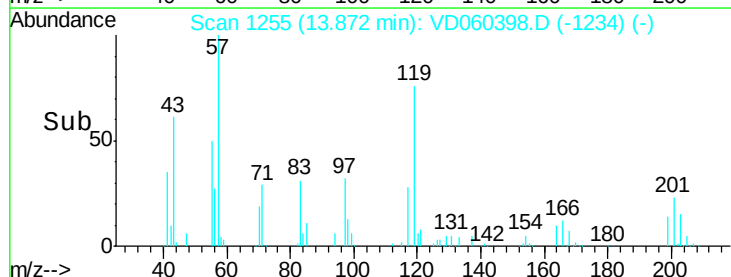
201 78.4 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): VDC

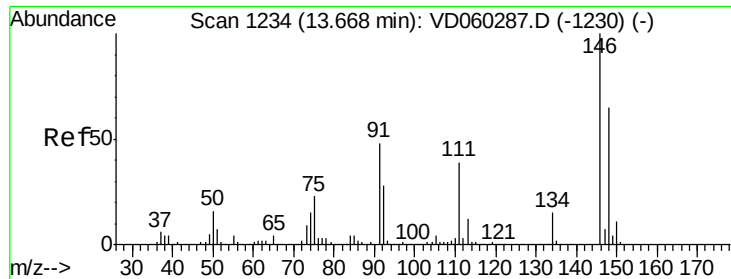
Ion 200.75 (200.45 to 201.45): VDC

Time-->



Abundance

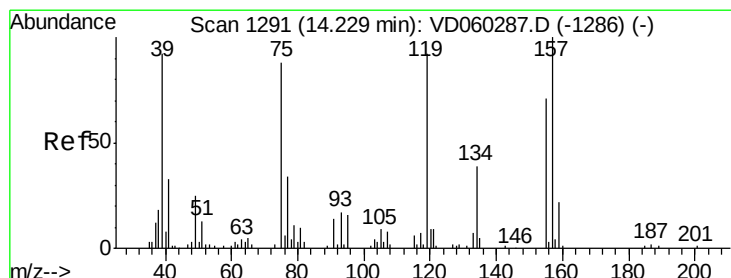
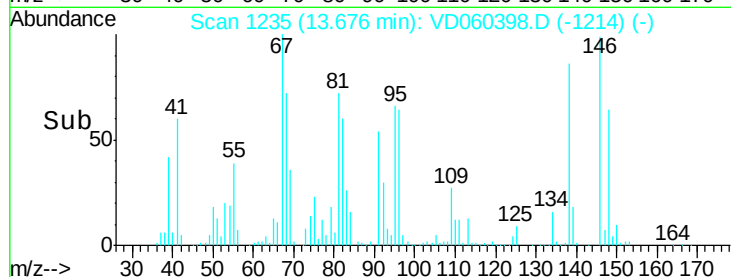
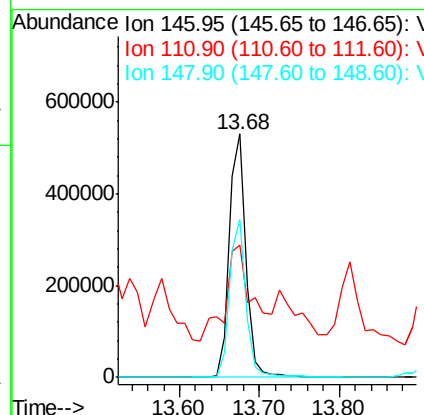
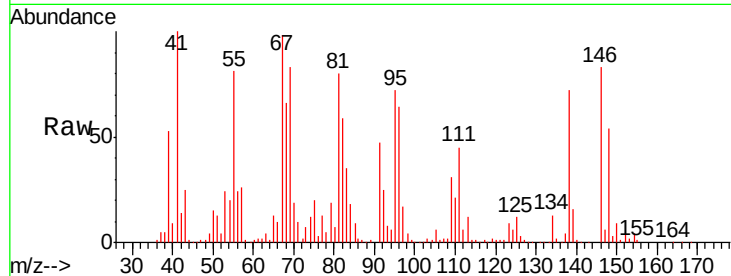
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 47.42 ug/l
 RT: 13.68 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

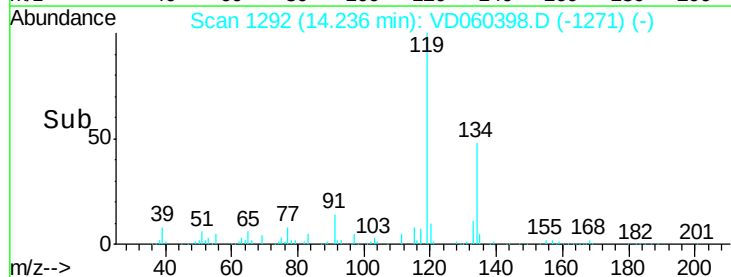
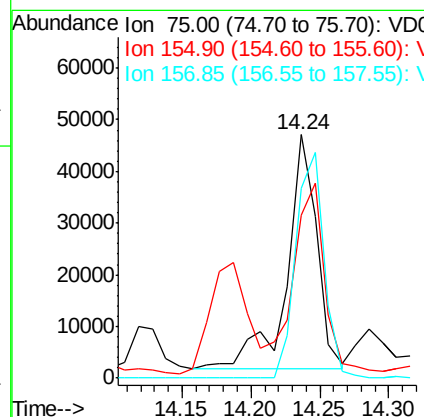
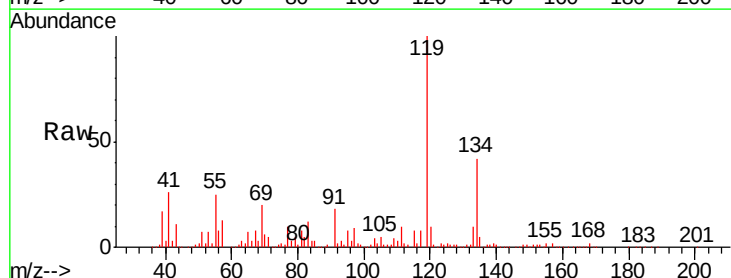
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

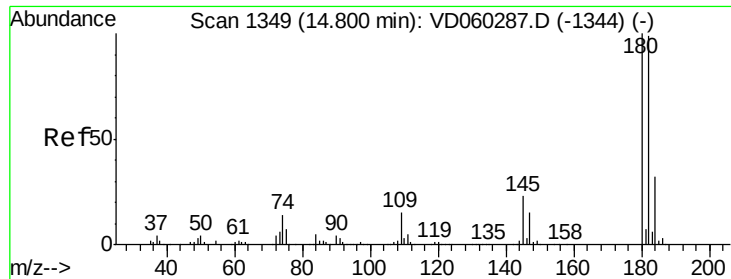
Tgt Ion:146 Resp: 779711
 Ion Ratio Lower Upper
 146 100
 111 54.1 18.9 56.9
 148 64.8 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 80.74 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

Tgt Ion: 75 Resp: 67514
 Ion Ratio Lower Upper
 75 100
 155 67.1 64.3 192.9
 157 78.2 81.0 243.1#

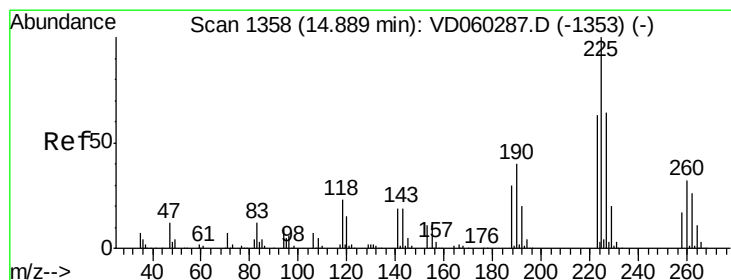
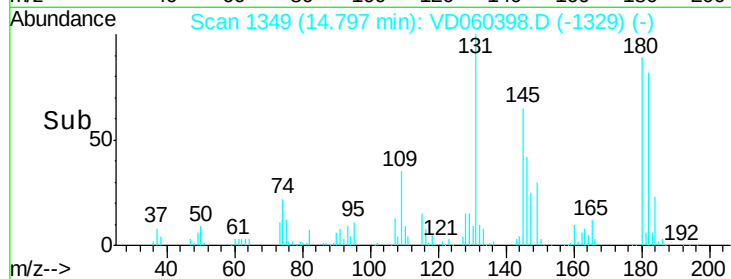
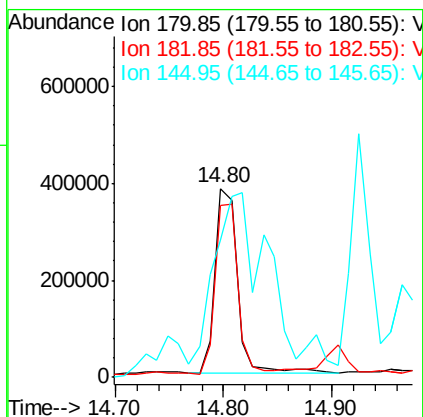
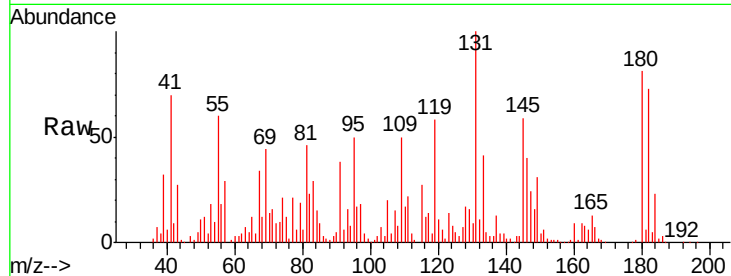




#93
 1,2,4-Trichlorobenzene
 Concen: 41.88 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

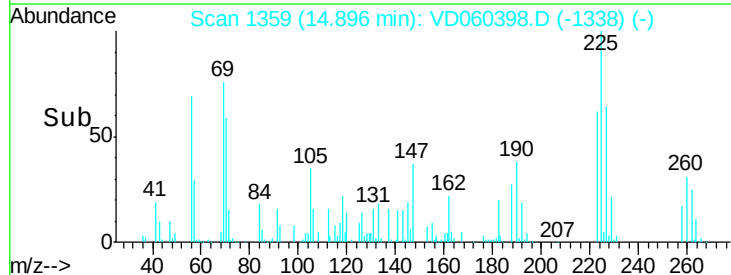
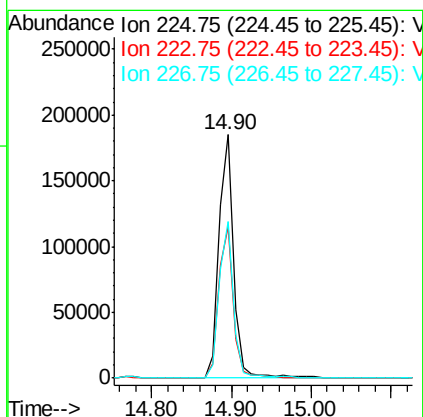
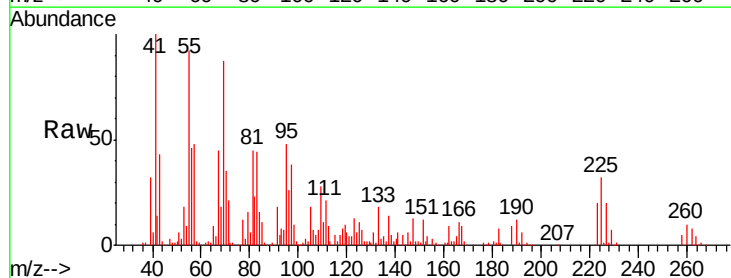
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

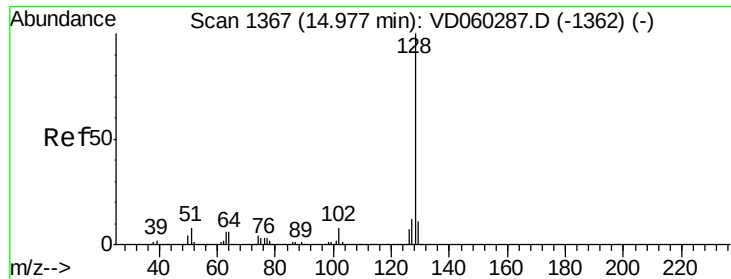
Tgt Ion:180 Resp: 545941
 Ion Ratio Lower Upper
 180 100
 182 90.9 48.1 144.4
 145 73.1 11.5 34.4#



#94
 Hexachlorobutadiene
 Concen: 24.97 ug/l
 RT: 14.90 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD060398.D
 Acq: 16 Nov 2018 15:14

Tgt Ion:225 Resp: 243474
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.6 94.8
 227 64.3 32.3 96.9

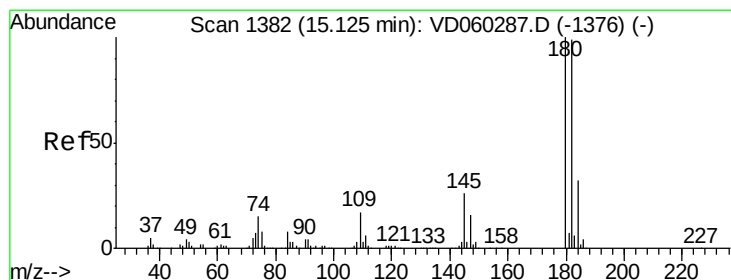
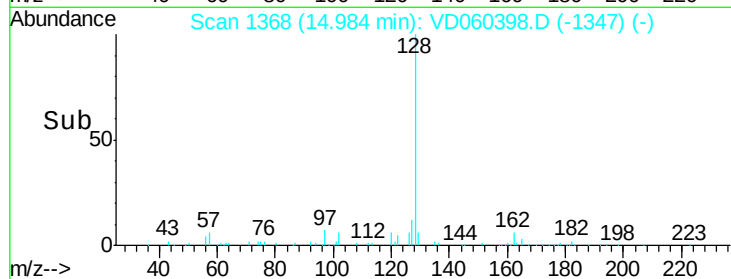
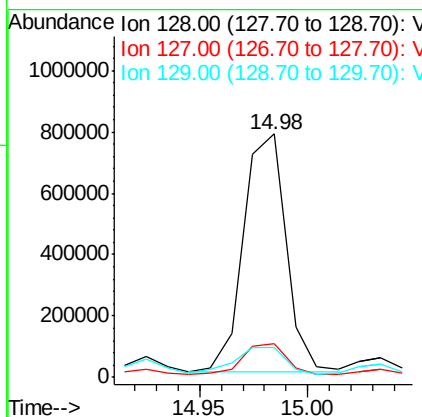
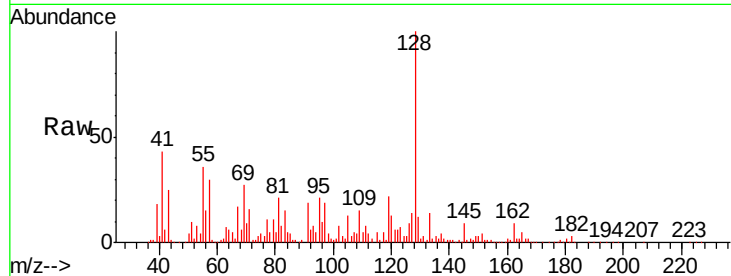




#95
Naphthalene
Concen: 66.49 ug/l
RT: 14.98 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

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

Tgt Ion:128 Resp: 1058309
Ion Ratio Lower Upper
128 100
127 13.7 9.6 14.4
129 12.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 46.93 ug/l
RT: 15.12 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VD060398.D
Acq: 16 Nov 2018 15:14

Tgt Ion:180 Resp: 490233
Ion Ratio Lower Upper
180 100
182 92.8 48.9 146.7
145 79.7 12.9 38.6#

