

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111618\
 Data File : VD060397.D
 Acq On : 16 Nov 2018 14:46
 Operator : JC/SY
 Sample : J5918-02RE
 Misc : 5.03g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Nov 16 16:44:05 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	6.44	168	1109158	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.47	114	2058483	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.33	117	281202	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.50	152	124672	50.00	ug/l	0.12

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.81	65	360344	45.37	ug/l	0.01
Spiked Amount	50.000		Recovery	=	90.74%	
35) Dibromofluoromethane	6.35	113	502614	32.74	ug/l	0.01
Spiked Amount	50.000		Recovery	=	65.48%	
50) Toluene-d8	9.50	98	2914494	64.87	ug/l	0.03
Spiked Amount	50.000		Recovery	=	129.74%	
62) 4-Bromofluorobenzene	12.44	95	2063859	126.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	253.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.60	85	1346	Below Cal	#	41
11) Tert butyl alcohol	3.98	59	458	1.40	ug/l #	1
13) Acrolein	3.13	56	7130	18.50	ug/l #	56
14) Allyl chloride	3.62	41	10607	1.02	ug/l #	69
15) Acrylonitrile	4.13	53	71012	37.34	ug/l #	36
16) Acetone	3.17	43	80309	58.30	ug/l	100
20) Methylene Chloride	3.74	84	199464	16.32	ug/l #	83
25) 2-Butanone	5.61	43	226375	79.06	ug/l #	60
29) Tetrahydrofuran	6.40	42	4906474	3250.06	ug/l #	44
30) Chloroform	6.08	83	123276	6.22	ug/l #	29
31) Cyclohexane	6.40	56	7697994	405.98	ug/l #	81
36) 1,1-Dichloropropene	6.43	75	78333	3.85	ug/l #	55
37) Ethyl Acetate	5.61	43	226375	24.19	ug/l #	71
38) Carbon Tetrachloride	6.43	117	87751	4.65	ug/l #	17
39) Methylcyclohexane	8.10	83	19513912	834.26	ug/l #	66
41) Methacrylonitrile	5.97	41	49528	4.62	ug/l #	86
42) 1,2-Dichloroethane	6.96	62	25466	1.87	ug/l #	1
43) Isopropyl Acetate	8.45	43	4203015	357.55	ug/l #	48
45) 1,2-Dichloropropane	8.10	63	316923	24.21	ug/l #	1
46) Dibromomethane	8.21	93	22249	2.90	ug/l #	1
47) Bromodichloromethane	8.48	83	292786	16.20	ug/l #	44
48) Methyl methacrylate	8.34	41	3075176	430.68	ug/l #	61
51) 4-Methyl-2-Pentanone	9.25	43	27944570	3652.43	ug/l #	47
55) 1,1,2-Trichloroethane	10.16	97	13648879	1420.10	ug/l #	19
56) Ethyl methacrylate	9.98	69	7107135	804.25	ug/l #	56
58) 2-Chloroethyl Vinyl ether	9.08	63	40425	7.57	ug/l #	48
59) 2-Hexanone	10.53	43	16363207	3000.71	ug/l #	35
64) Tetrachloroethene	10.30	164	9224	3.67	ug/l #	91
67) Ethyl Benzene	11.40	91	229997	22.07	ug/l #	47
68) m/p-Xylenes	11.60	106	439355	114.27	ug/l	83
69) o-Xylene	11.99	106	124533	33.53	ug/l	52
70) Styrene	11.98	104	9752	1.62	ug/l #	1
73) Isopropylbenzene	12.33	105	6442085	709.23	ug/l	93
74) N-amyl acetate	12.20	43	8213599	3527.03	ug/l #	58

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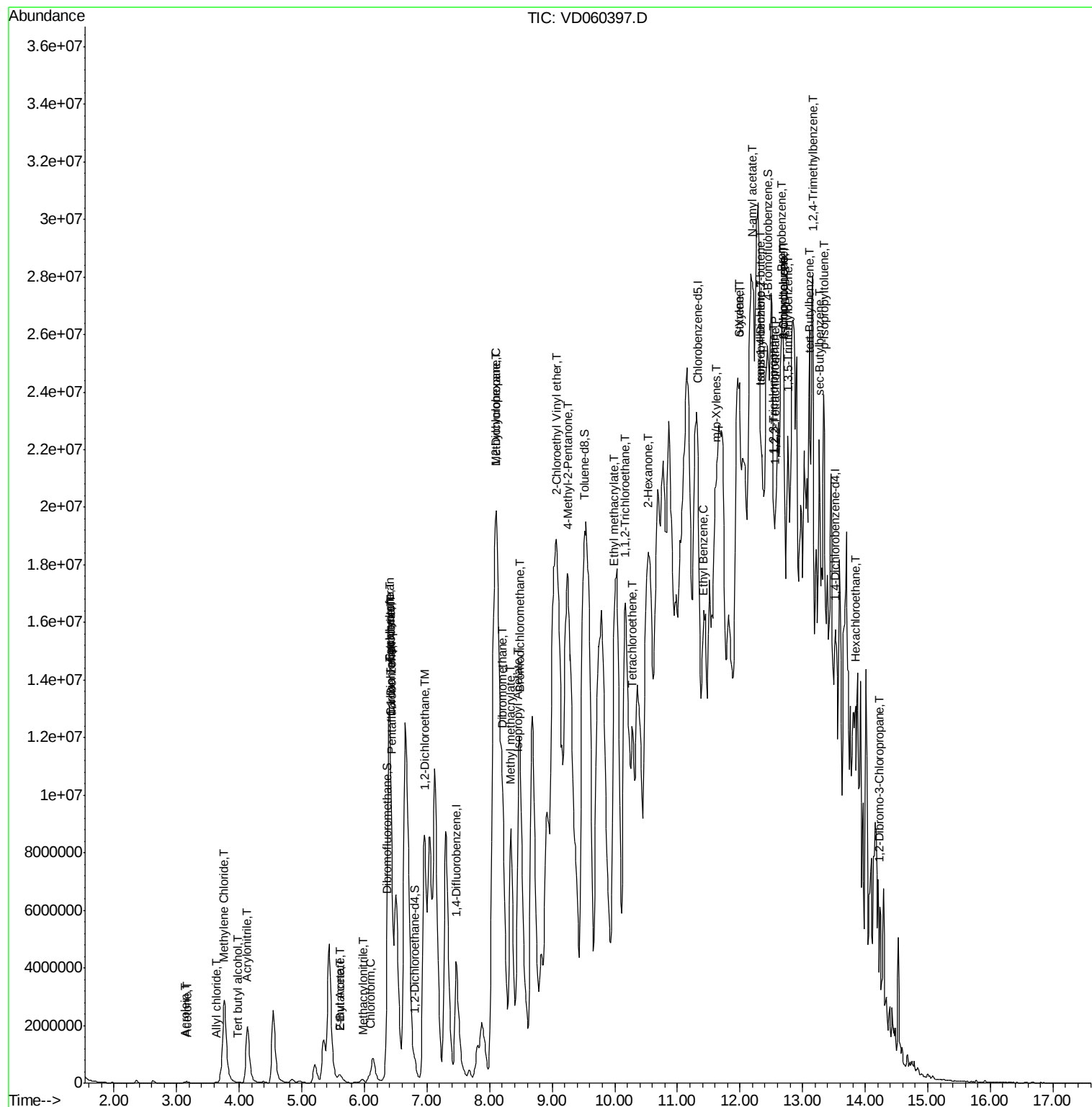
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,1,2,2-Tetrachloroethane	12.56	83	817003	549.98	ug/l #	46
76) 1,2,3-Trichloropropane	12.54	75	3550	2.38	ug/l #	1
77) Bromobenzene	12.66	156	9683	4.01	ug/l #	1
78) n-propylbenzene	12.71	91	12670485	1117.56	ug/l	86
79) 2-Chlorotoluene	12.71	91	12696570	2044.69	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.78	105	902237	127.81	ug/l	77
81) trans-1,4-Dichloro-2-buten	12.33	75	91114	214.59	ug/l #	1
82) 4-Chlorotoluene	12.71	91	12536590	1797.28	ug/l #	46
83) tert-Butylbenzene	13.09	119	596249	76.08	ug/l	83
84) 1,2,4-Trimethylbenzene	13.15	105	15357983	2178.46	ug/l	88
85) sec-Butylbenzene	13.27	105	5553583	577.58	ug/l	82
86) p-Isopropyltoluene	13.34	119	707344	91.35	ug/l	88
89) n-Butylbenzene	13.67	91	4811726	Below	Cal	97
90) Hexachloroethane	13.85	117	686545	373.92	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.23	75	10842	60.46	ug/l #	1

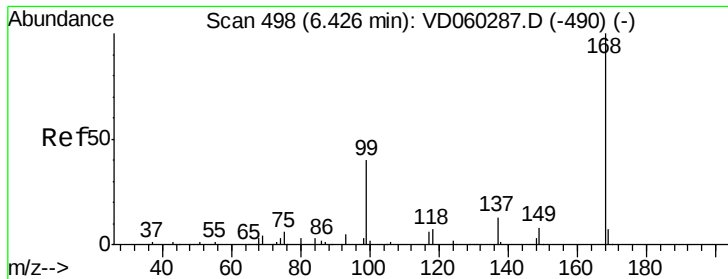
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD111618\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.44 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

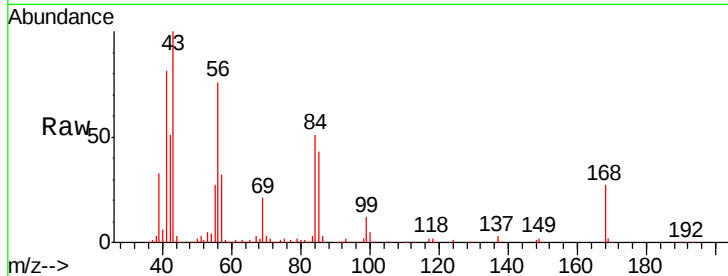
FDSB-05(25-27)

Tgt Ion:168 Resp: 1109158

Ion Ratio Lower Upper

168 100

99 45.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.44

400000

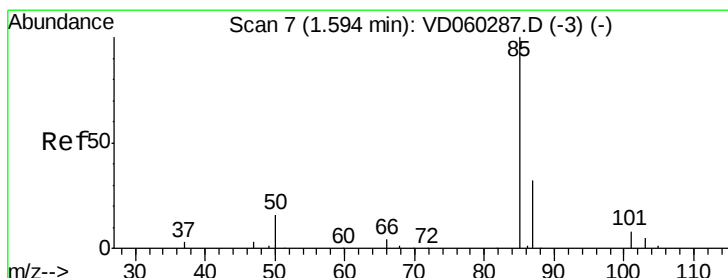
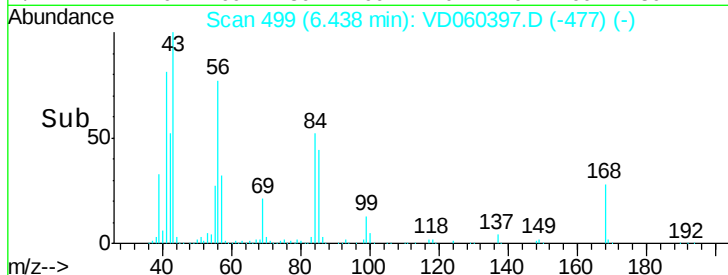
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060397.D

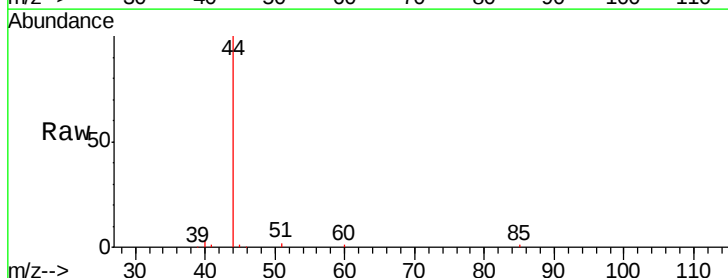
Acq: 16 Nov 2018 14:46

Tgt Ion: 85 Resp: 1346

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

800

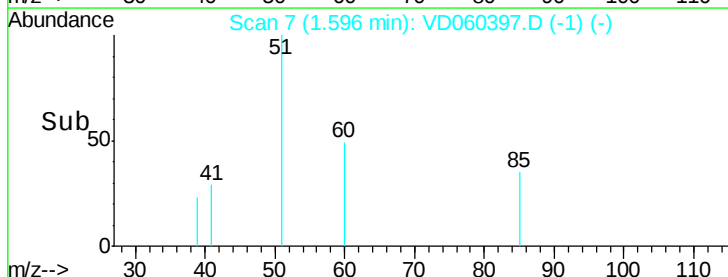
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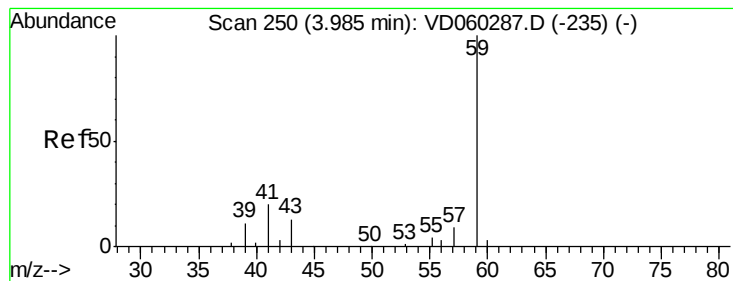
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 1.40 ug/l

RT: 3.98 min Scan# 249

Delta R.T. -0.01 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

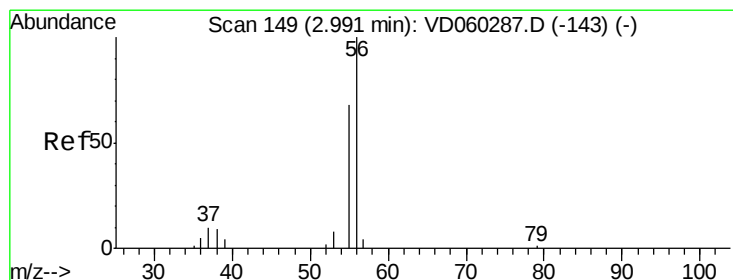
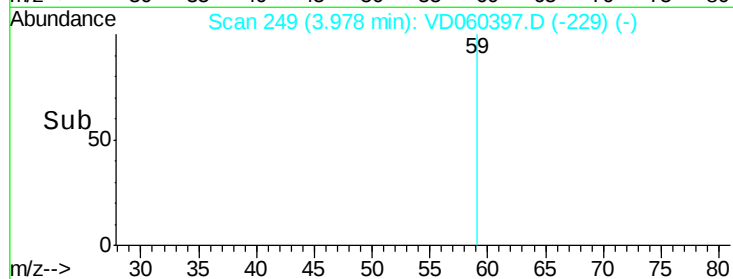
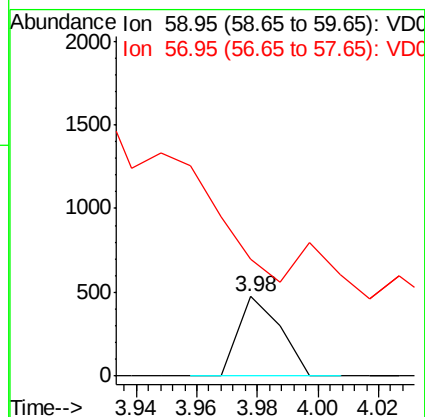
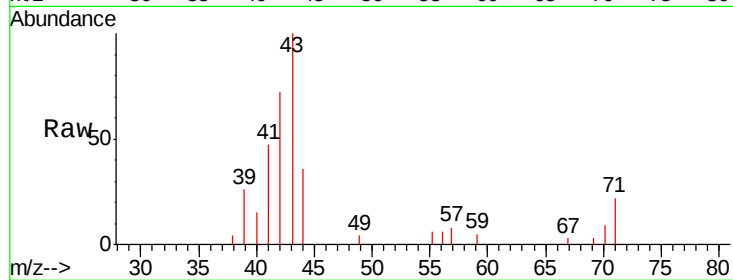
FDSB-05(25-27)

Tgt Ion: 59 Resp: 458

Ion Ratio Lower Upper

59 100

57 148.2 9.3 13.9#



#13

Acrolein

Concen: 18.50 ug/l

RT: 3.13 min Scan# 163

Delta R.T. 0.14 min

Lab File: VD060397.D

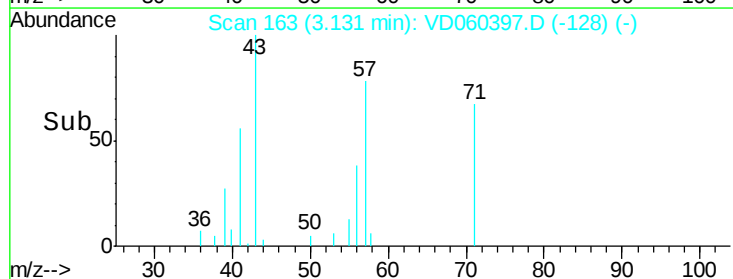
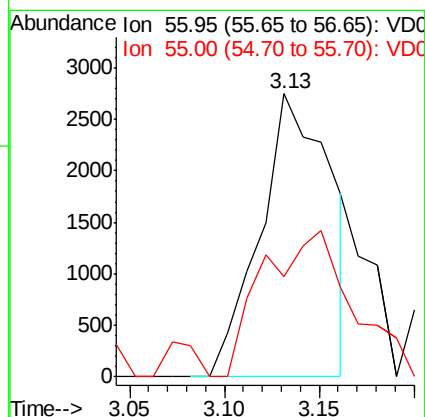
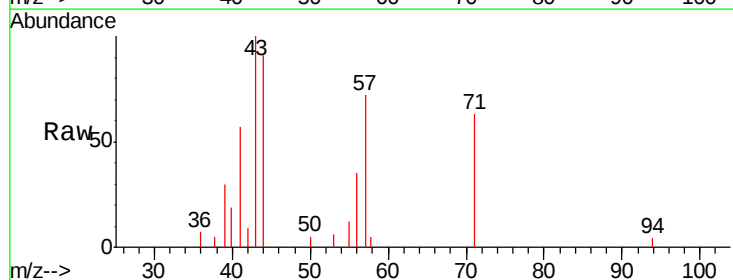
Acq: 16 Nov 2018 14:46

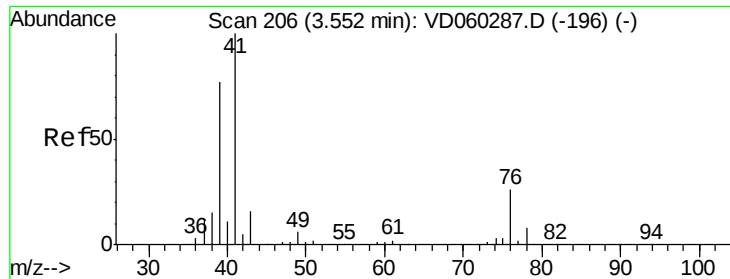
Tgt Ion: 56 Resp: 7130

Ion Ratio Lower Upper

56 100

55 35.2 57.0 85.6#

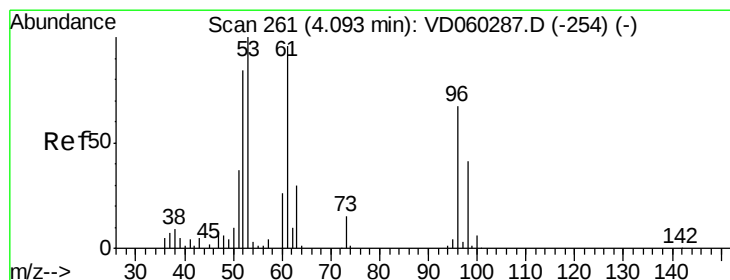
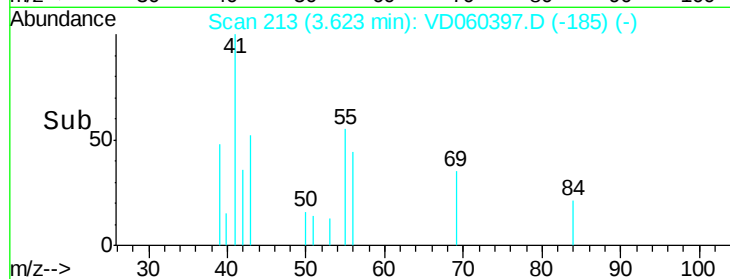
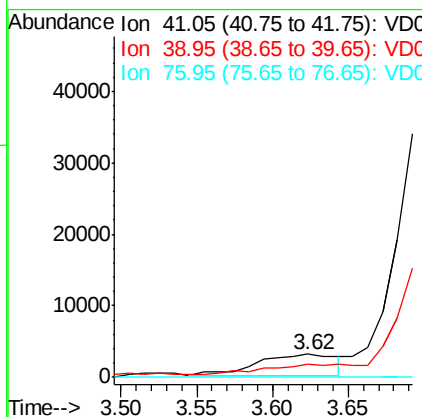
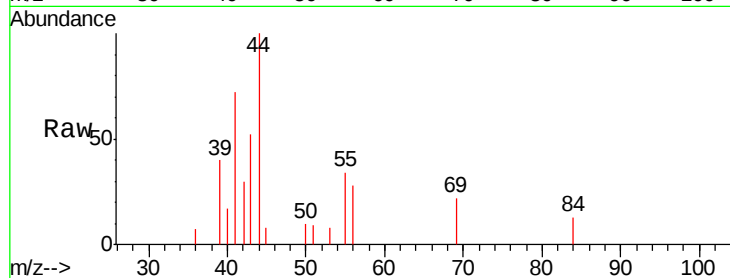




#14
 Allyl chloride
 Concen: 1.02 ug/l
 RT: 3.62 min Scan# 213
 Delta R.T. 0.07 min
 Lab File: VD060397.D
 Acq: 16 Nov 2018 14:46

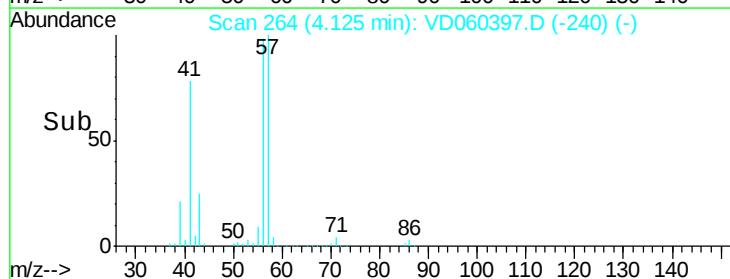
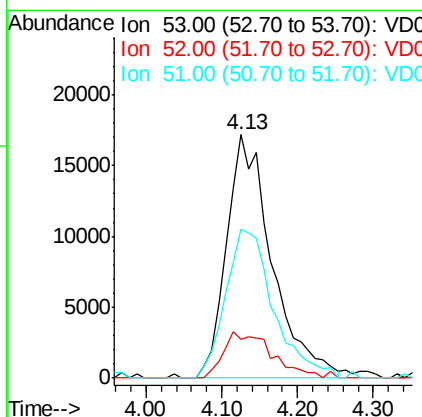
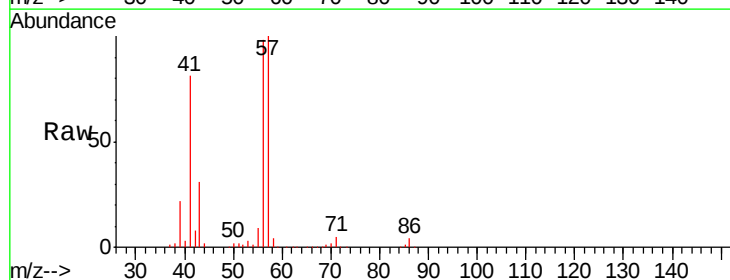
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)

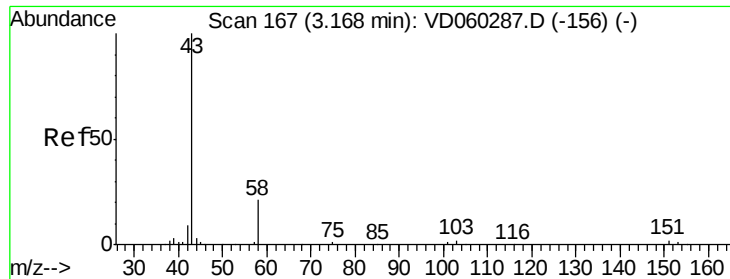
Tgt Ion: 41 Resp: 10607
 Ion Ratio Lower Upper
 41 100
 39 55.9 60.4 90.6#
 76 0.0 21.8 32.8#



#15
 Acrylonitrile
 Concen: 37.34 ug/l
 RT: 4.13 min Scan# 264
 Delta R.T. 0.03 min
 Lab File: VD060397.D
 Acq: 16 Nov 2018 14:46

Tgt Ion: 53 Resp: 71012
 Ion Ratio Lower Upper
 53 100
 52 15.8 67.0 100.4#
 51 61.1 29.9 44.9#





#16

Acetone

Concen: 58.30 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

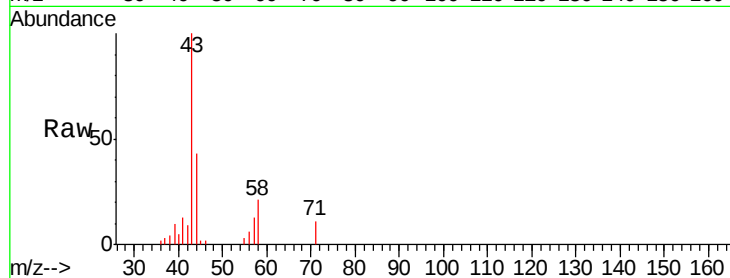
FDSB-05(25-27)

Tgt Ion: 43 Resp: 80309

Ion Ratio Lower Upper

43 100

58 21.1 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.17

20000

15000

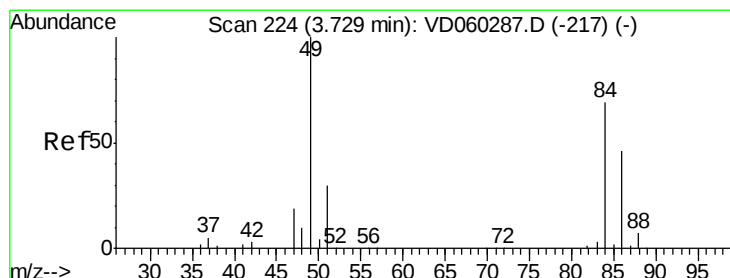
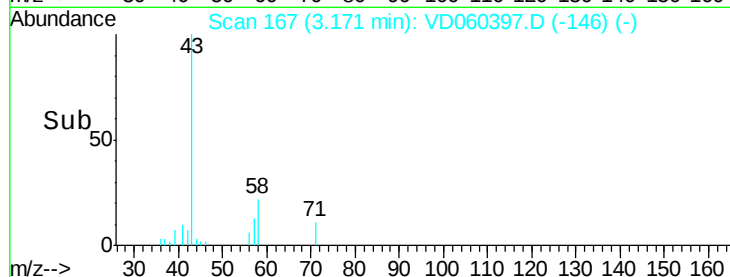
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5000

0

Time-->

3.00 3.10 3.20 3.30 3.40



#20

Methylene Chloride

Concen: 16.32 ug/l

RT: 3.74 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Tgt Ion: 84 Resp: 199464

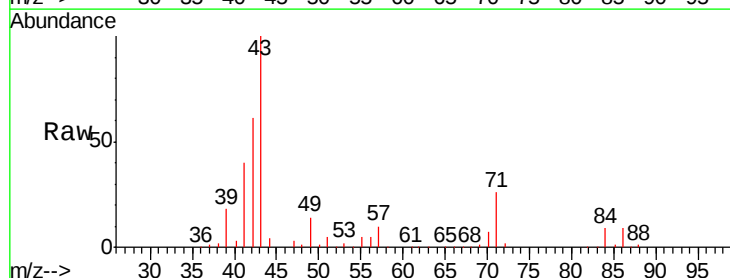
Ion Ratio Lower Upper

84 100

49 152.6 115.6 173.4

51 57.4 35.6 53.4#

86 96.2 52.3 78.5#



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

120000

100000

80000

60000

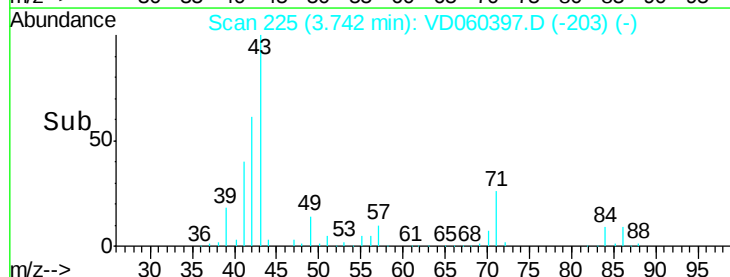
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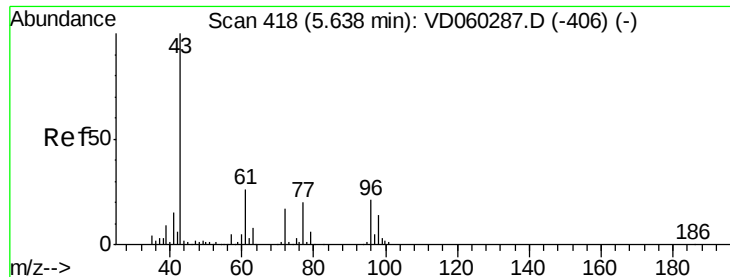
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0

Time-->

3.60 3.70 3.80 3.90





#25

2-Butanone

Concen: 79.06 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.03 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

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MSVOA_D

ClientSampleId :

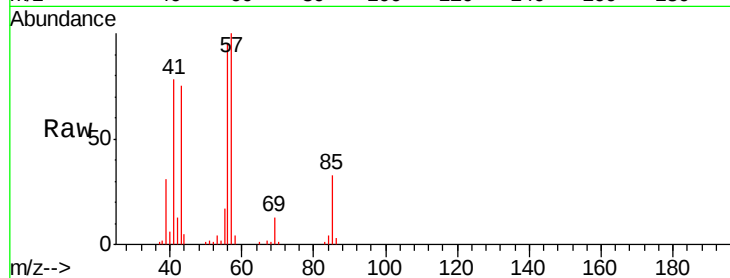
FDSB-05(25-27)

Tgt Ion: 43 Resp: 226375

Ion Ratio Lower Upper

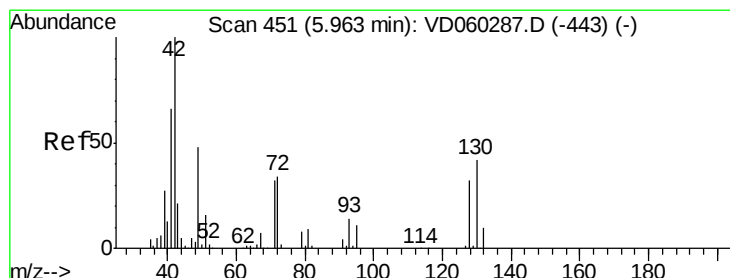
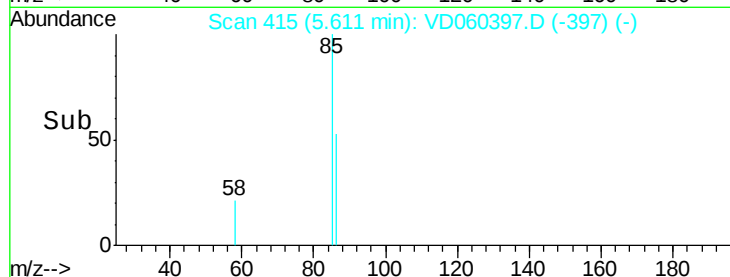
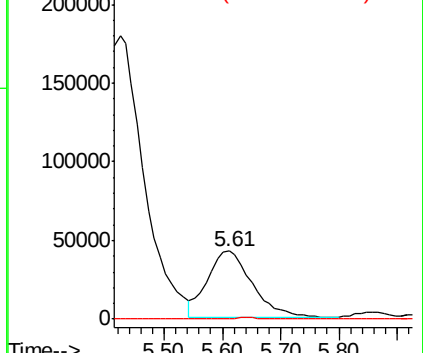
43 100

72 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 3250.06 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.44 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

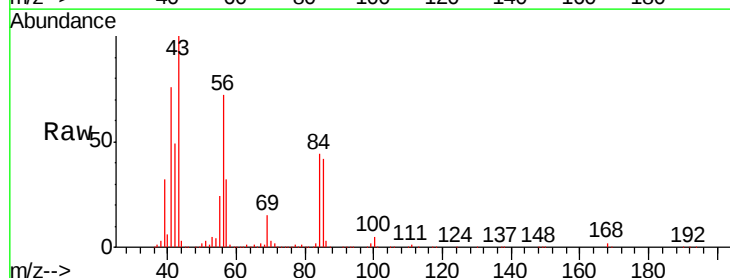
Tgt Ion: 42 Resp: 4906474

Ion Ratio Lower Upper

42 100

72 0.2 27.6 41.4#

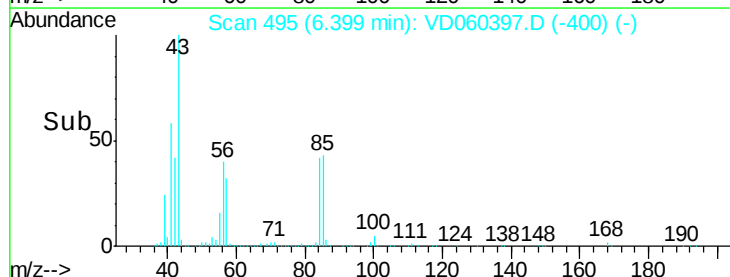
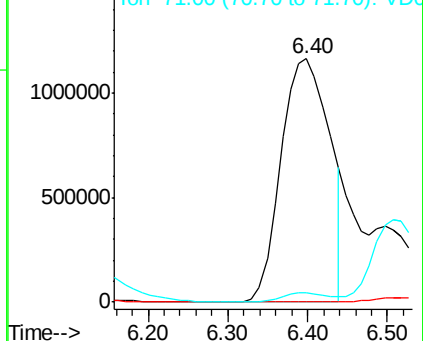
71 3.5 26.5 39.7#

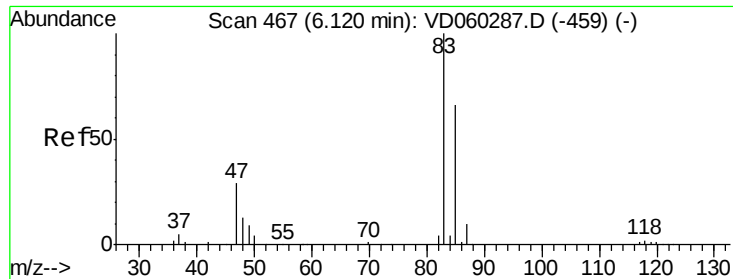


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

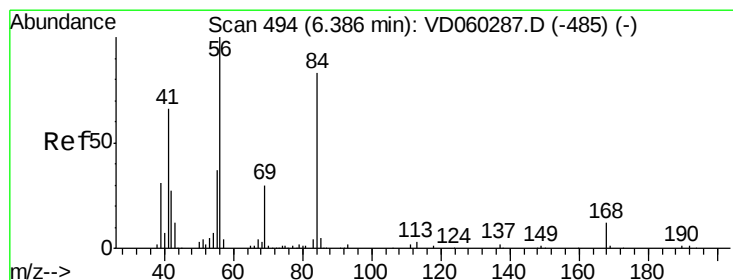
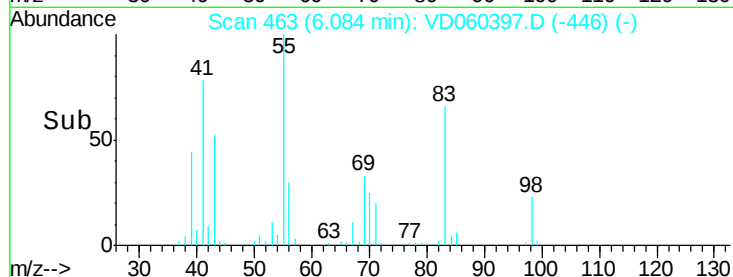
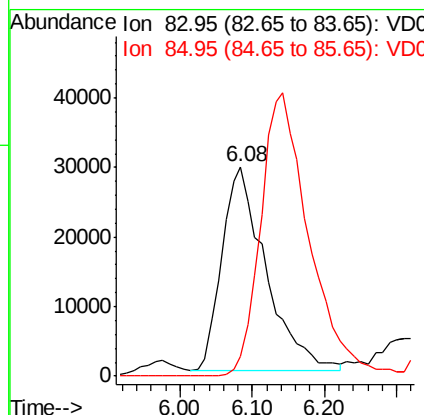
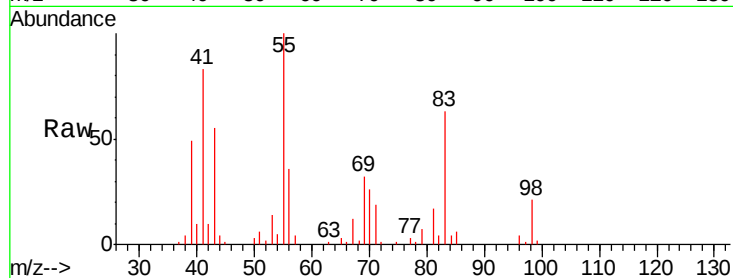




#30
Chloroform
Concen: 6.22 ug/l
RT: 6.08 min Scan# 463
Delta R.T. -0.04 min
Lab File: VD060397.D
Acq: 16 Nov 2018 14:46

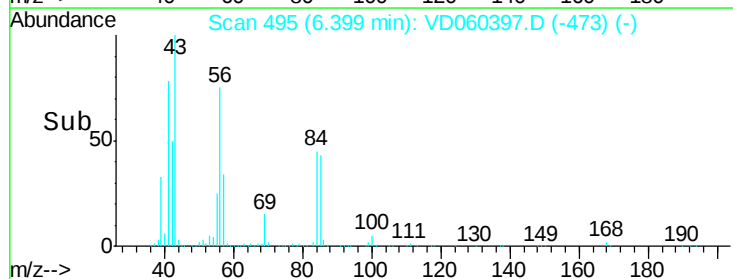
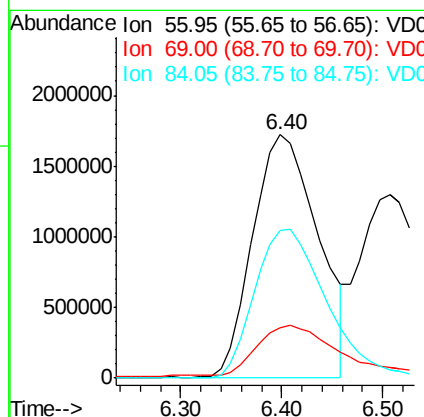
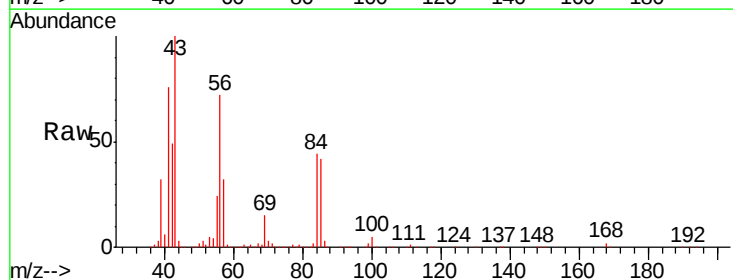
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

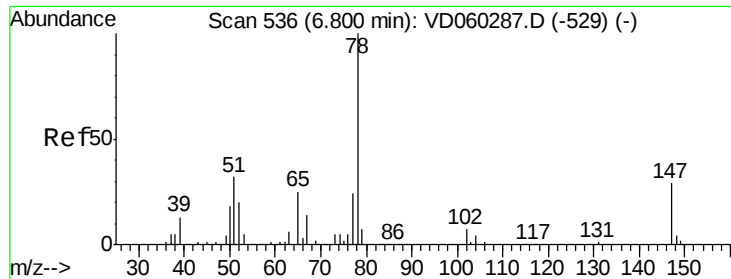
Tgt Ion: 83 Resp: 123276
Ion Ratio Lower Upper
83 100
85 9.2 52.5 78.7#



#31
Cyclohexane
Concen: 405.98 ug/l
RT: 6.40 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD060397.D
Acq: 16 Nov 2018 14:46

Tgt Ion: 56 Resp: 7697994
Ion Ratio Lower Upper
56 100
69 20.8 22.2 33.2#
84 60.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

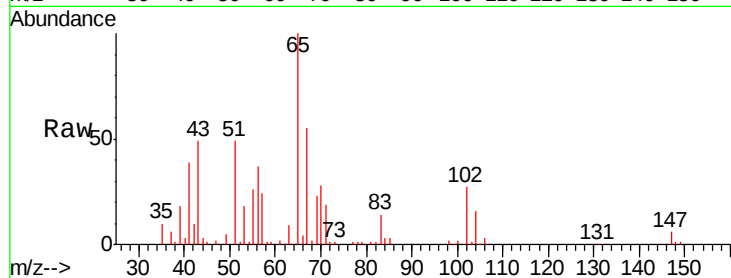
FDSB-05(25-27)

Tgt Ion: 65 Resp: 360344

Ion Ratio Lower Upper

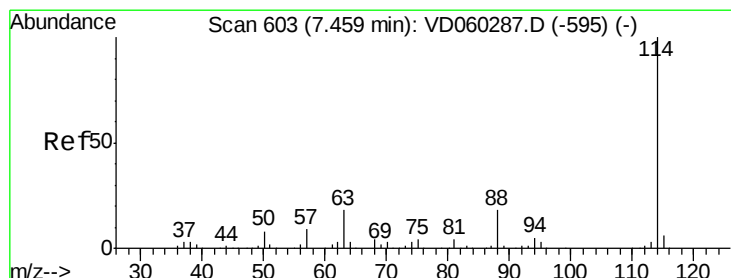
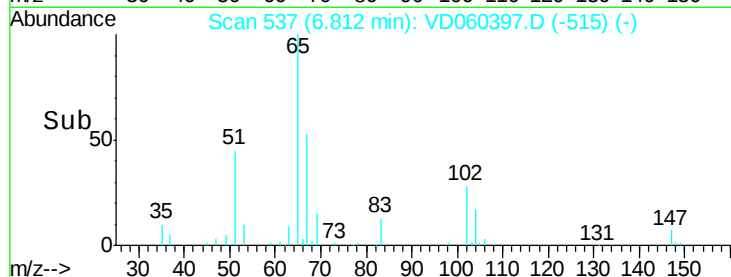
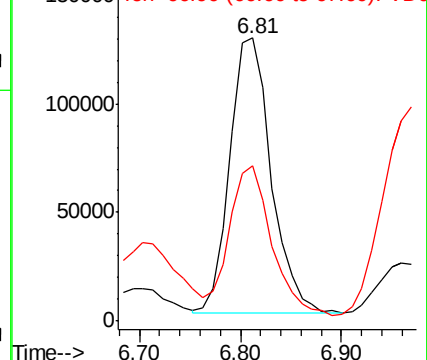
65 100

67 54.7 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: 7.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

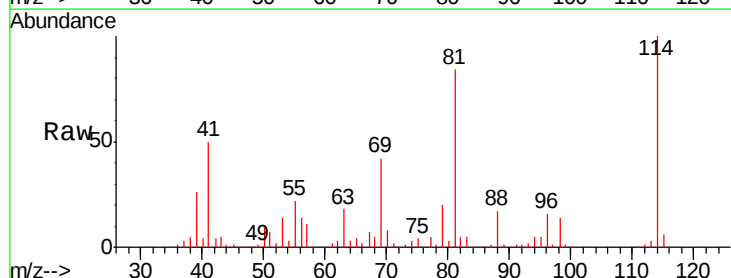
Tgt Ion: 114 Resp: 2058483

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.0

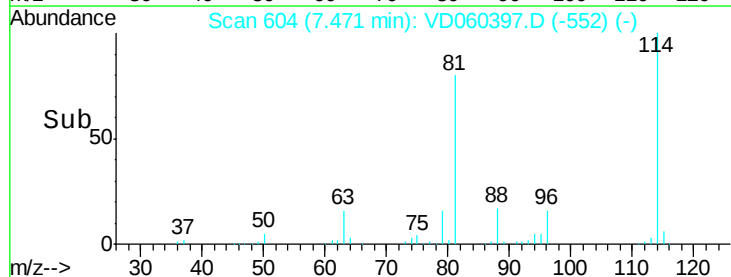
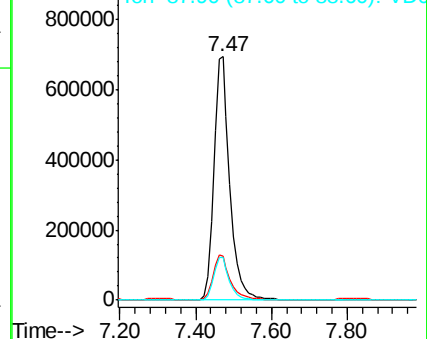
88 17.3 0.0 35.4

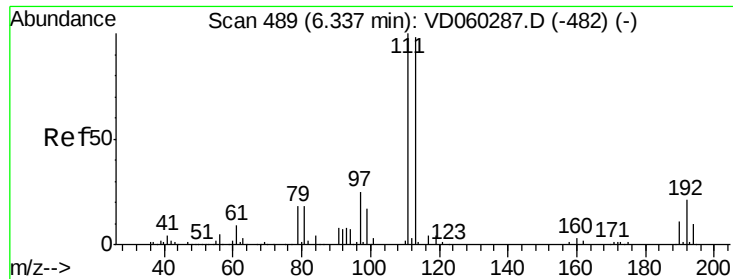


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.35 min Scan# 490

Delta R.T. 0.01 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

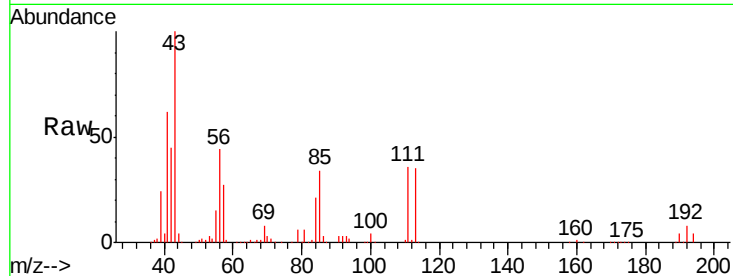
Tgt Ion:113 Resp: 502614

Ion Ratio Lower Upper

113 100

111 103.4 81.6 122.4

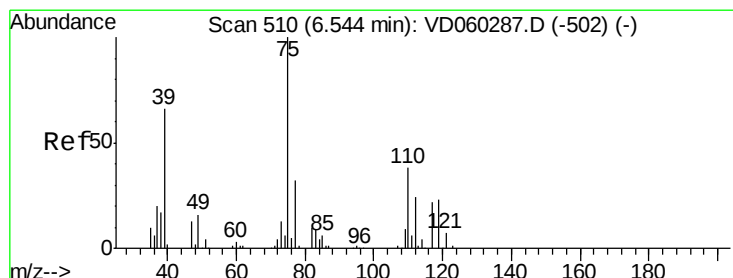
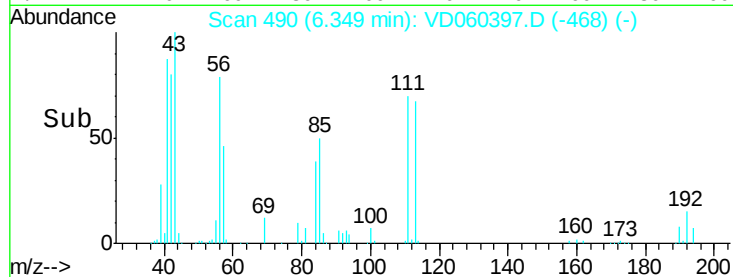
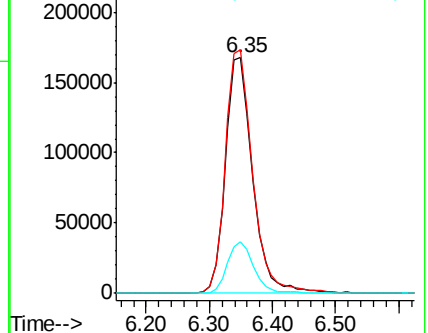
192 22.2 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 3.85 ug/l

RT: 6.43 min Scan# 498

Delta R.T. -0.12 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

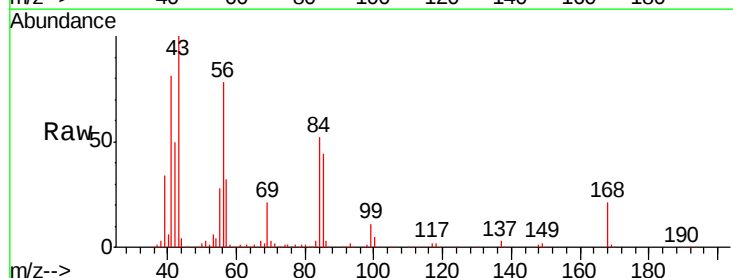
Tgt Ion: 75 Resp: 78333

Ion Ratio Lower Upper

75 100

110 6.4 18.0 54.0#

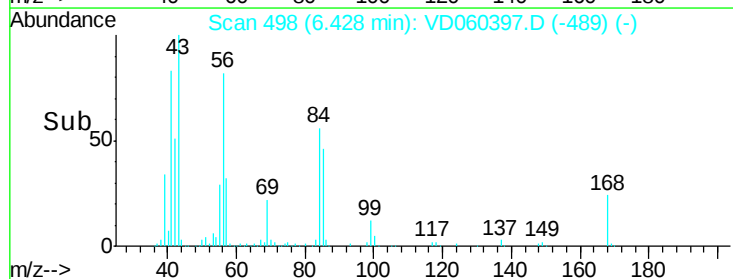
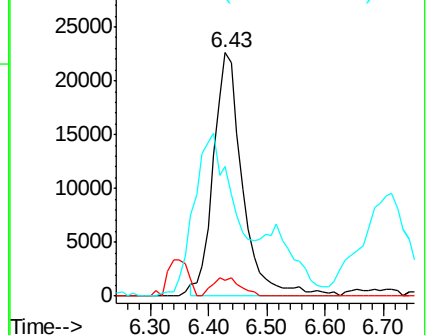
77 53.3 25.6 38.4#

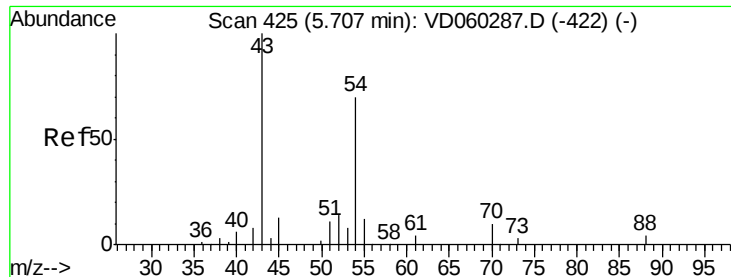


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

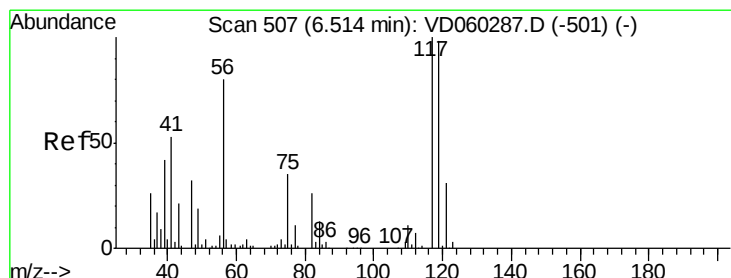
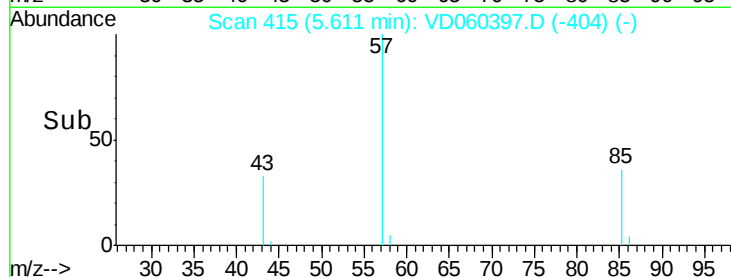
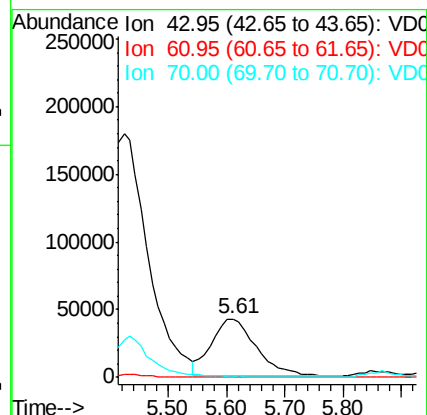
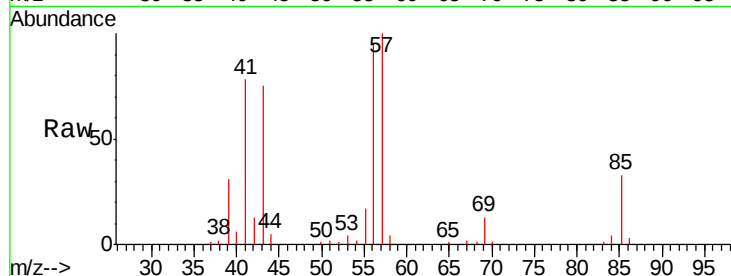




#37
Ethyl Acetate
Concen: 24.19 ug/l
RT: 5.61 min Scan# 415
Delta R.T. -0.10 min
Lab File: VD060397.D
Acq: 16 Nov 2018 14:46

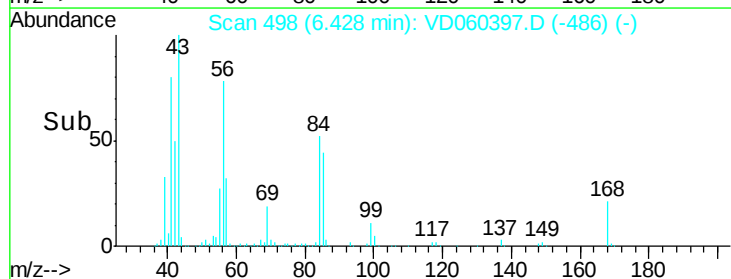
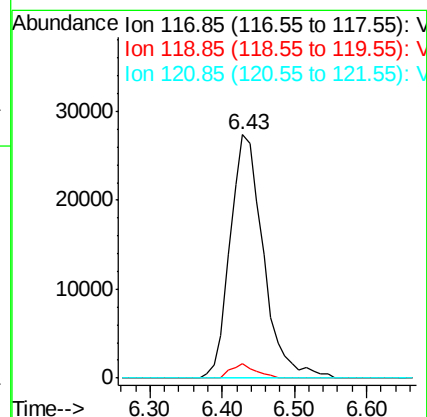
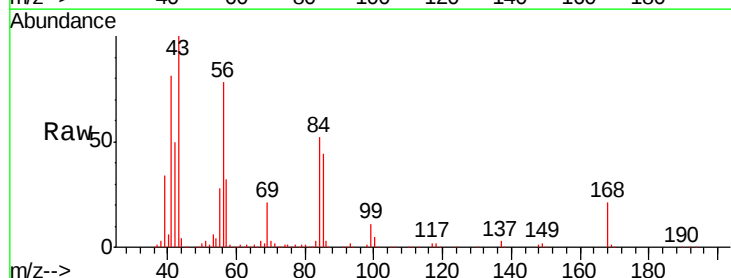
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

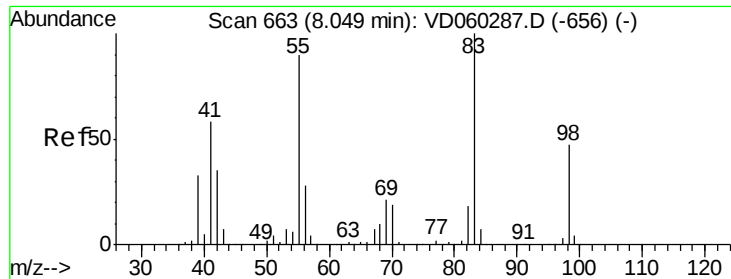
Tgt Ion: 43 Resp: 226375
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 1.7 6.2 9.4#



#38
Carbon Tetrachloride
Concen: 4.65 ug/l
RT: 6.43 min Scan# 498
Delta R.T. -0.09 min
Lab File: VD060397.D
Acq: 16 Nov 2018 14:46

Tgt Ion: 117 Resp: 87751
Ion Ratio Lower Upper
117 100
119 6.0 76.6 115.0#
121 0.0 24.3 36.5#

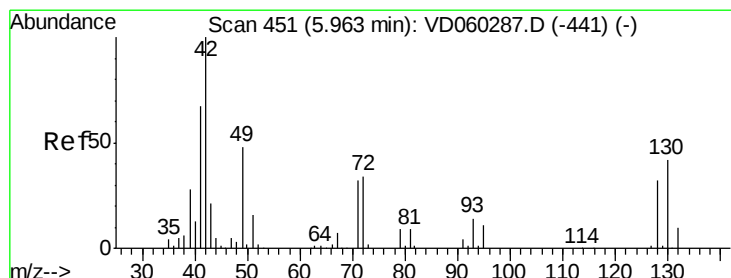
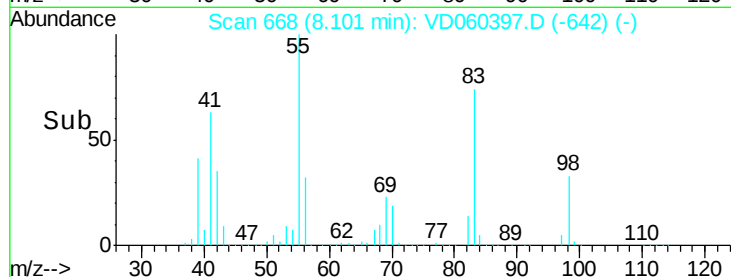
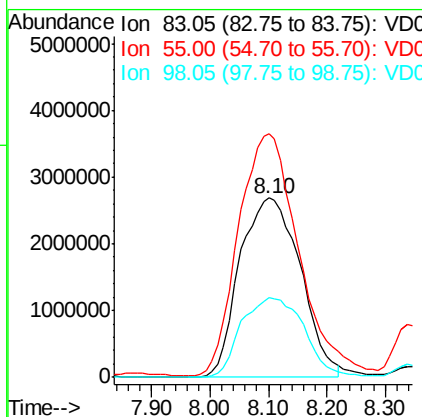
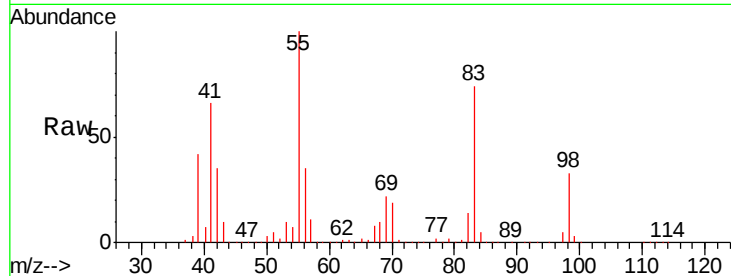




#39
Methylcyclohexane
Concen: 834.26 ug/l
RT: 8.10 min Scan# 668
Delta R.T. 0.05 min
Lab File: VD060397.D
Acq: 16 Nov 2018 14:46

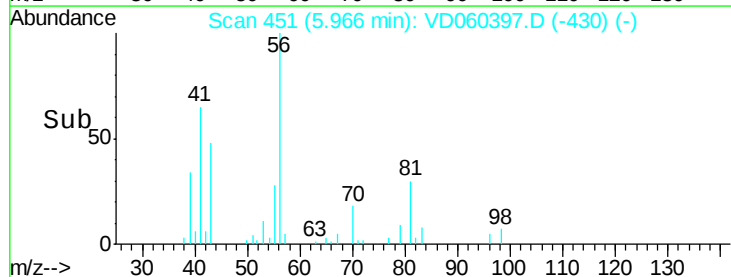
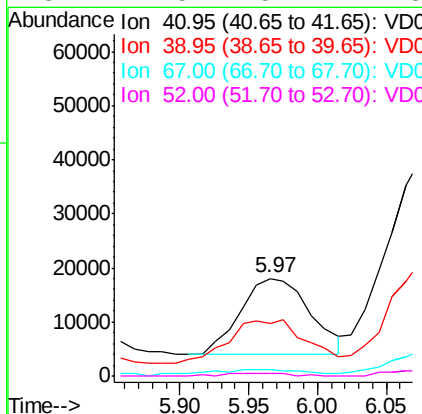
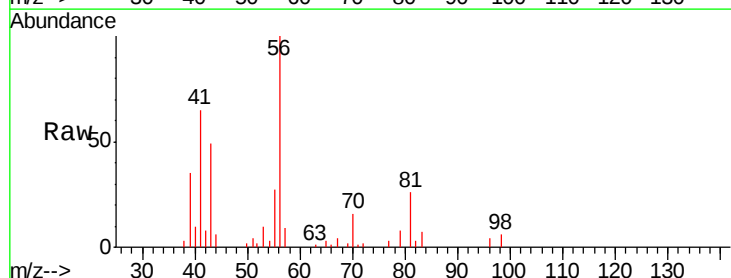
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

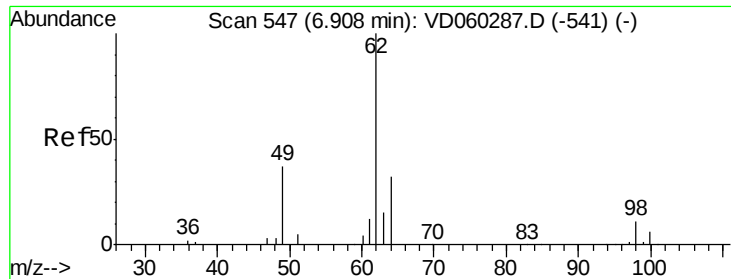
Tgt Ion: 83 Resp:19513912
Ion Ratio Lower Upper
83 100
55 135.8 71.2 106.8#
98 44.2 38.4 57.6



#41
Methacrylonitrile
Concen: 4.62 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060397.D
Acq: 16 Nov 2018 14:46

Tgt Ion: 41 Resp: 49528
Ion Ratio Lower Upper
41 100
39 53.8 36.2 54.2
67 6.8 11.9 17.9#
52 2.5 5.2 7.8#





#42

1,2-Dichloroethane

Concen: 1.87 ug/l

RT: 6.96 min Scan# 552

Delta R.T. 0.05 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

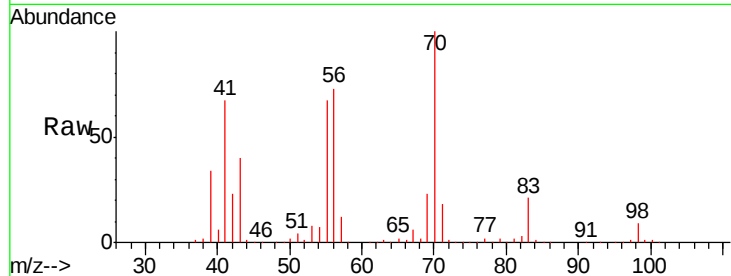
FDSB-05(25-27)

Tgt Ion: 62 Resp: 25466

Ion Ratio Lower Upper

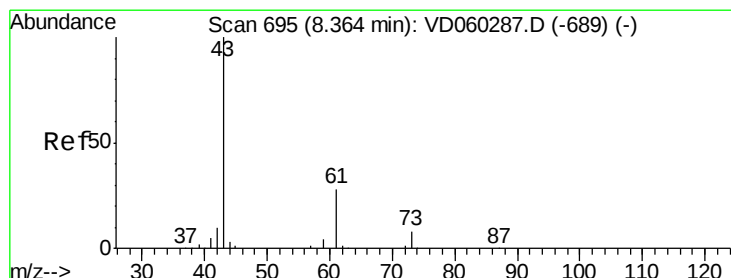
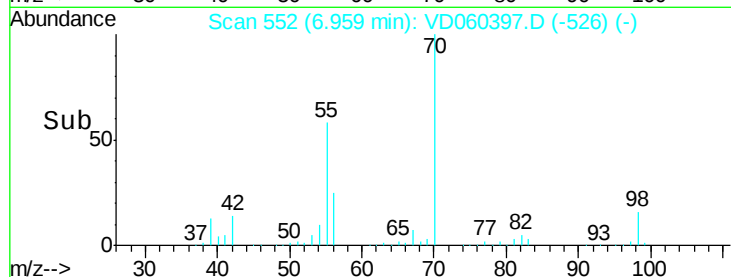
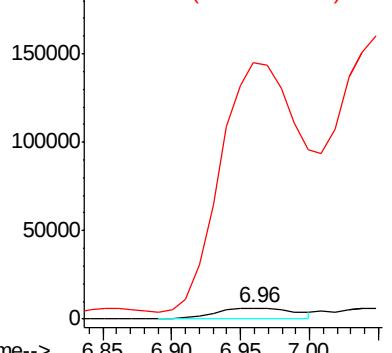
62 100

98 2273.1 0.0 22.0#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#43

Isopropyl Acetate

Concen: 357.55 ug/l

RT: 8.45 min Scan# 703

Delta R.T. 0.08 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

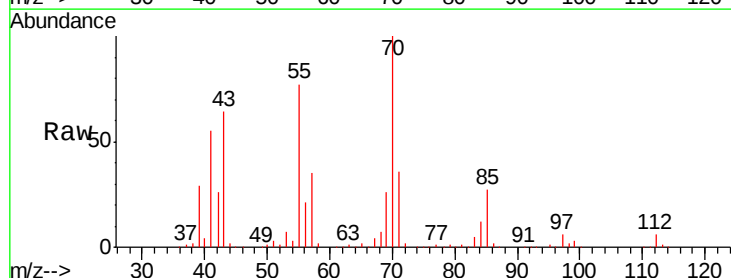
Tgt Ion: 43 Resp: 4203015

Ion Ratio Lower Upper

43 100

61 0.2 22.3 33.5#

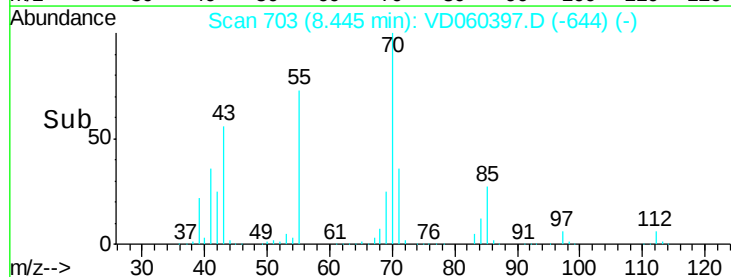
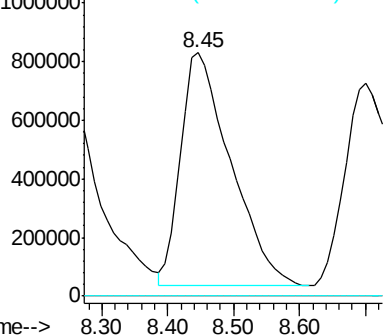
87 0.1 0.2 0.2#

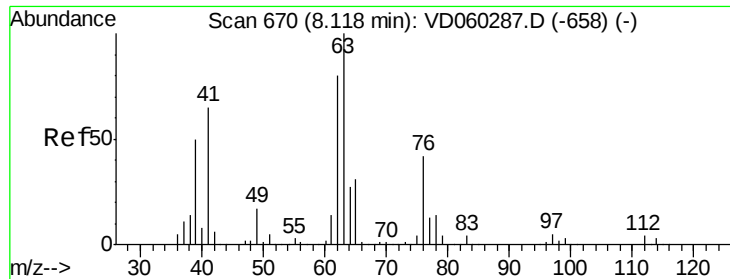


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC





#45

1,2-Dichloropropane

Concen: 24.21 ug/l

RT: 8.10 min Scan# 668

Delta R.T. -0.02 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

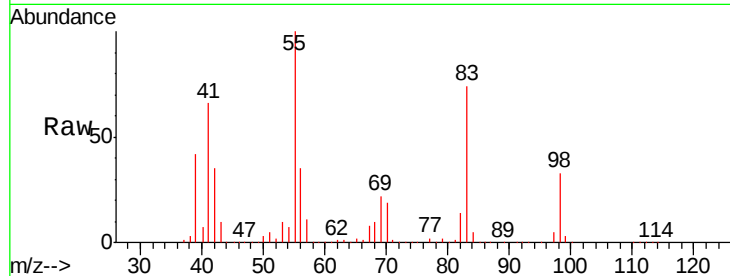
FDSB-05(25-27)

Tgt Ion: 63 Resp: 316923

Ion Ratio Lower Upper

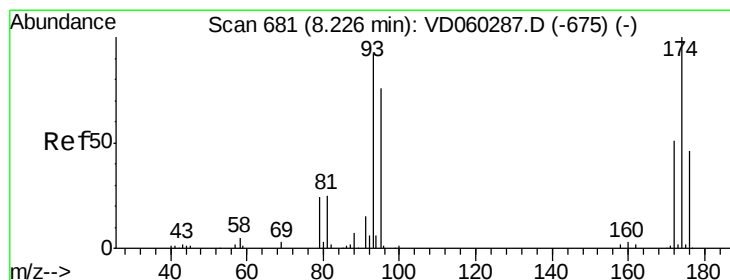
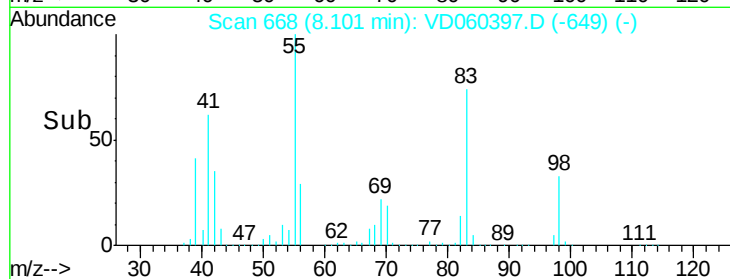
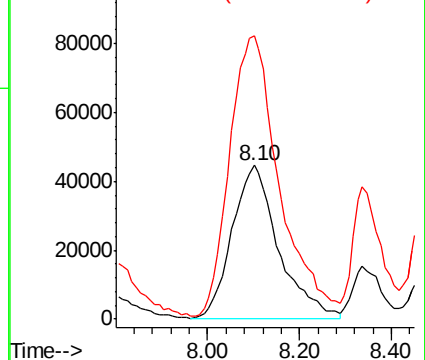
63 100

65 184.2 23.4 35.2#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 2.90 ug/l

RT: 8.21 min Scan# 679

Delta R.T. -0.02 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

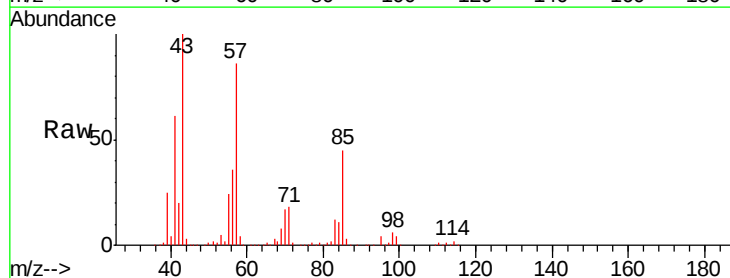
Tgt Ion: 93 Resp: 22249

Ion Ratio Lower Upper

93 100

95 1364.9 66.4 99.6#

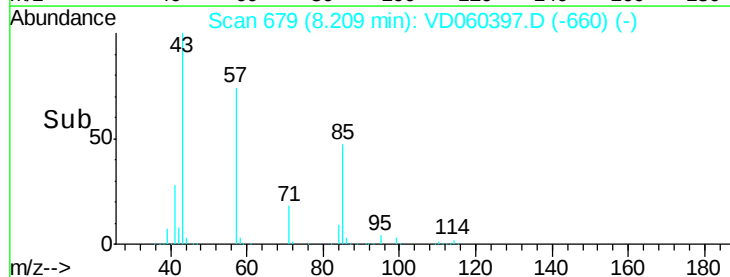
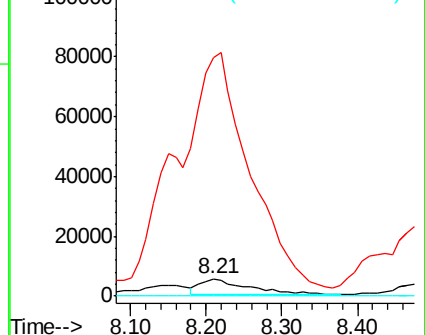
174 0.0 87.8 131.8#

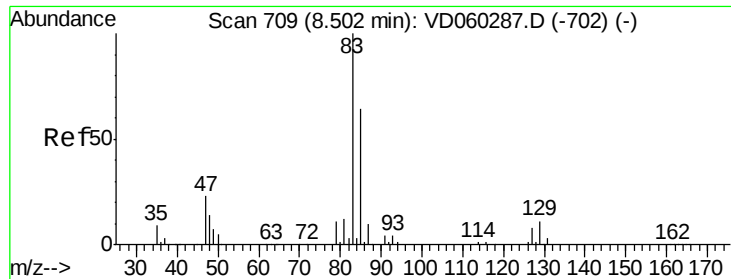


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 16.20 ug/l

RT: 8.48 min Scan# 707

Delta R.T. -0.02 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

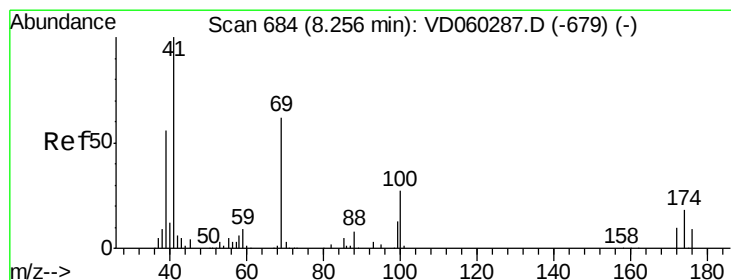
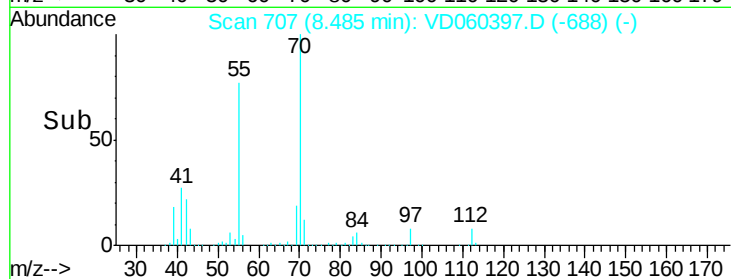
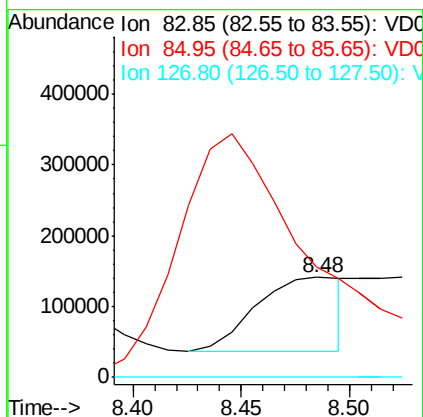
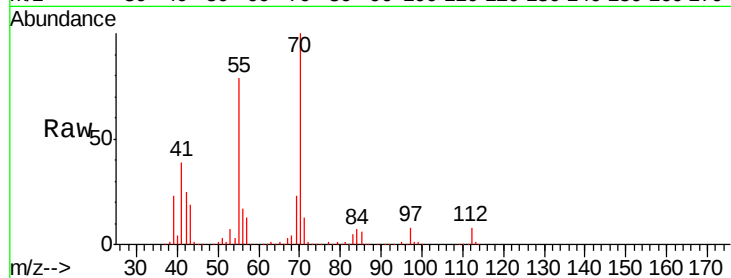
Tgt Ion: 83 Resp: 292786

Ion Ratio Lower Upper

83 100

85 110.7 51.0 76.6#

127 0.0 6.2 9.4#



#48

Methyl methacrylate

Concen: 430.68 ug/l

RT: 8.34 min Scan# 692

Delta R.T. 0.08 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

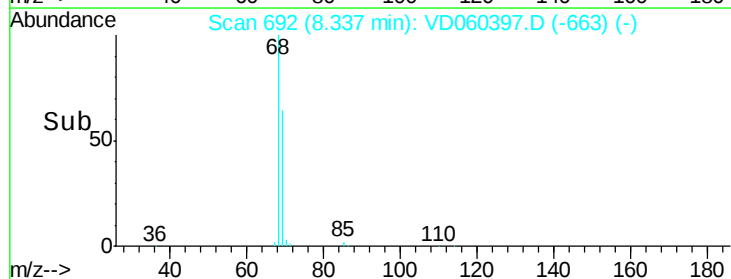
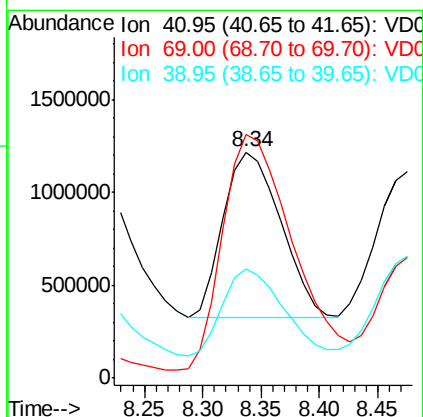
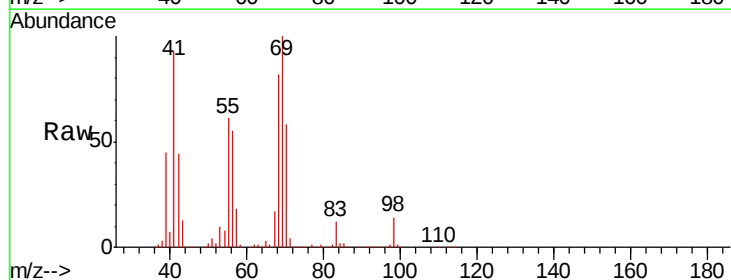
Tgt Ion: 41 Resp: 3075176

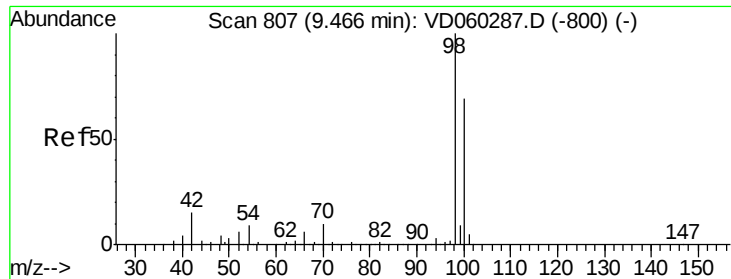
Ion Ratio Lower Upper

41 100

69 107.6 47.0 70.4#

39 48.2 46.2 69.4





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.50 min Scan# 810

Delta R.T. 0.03 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

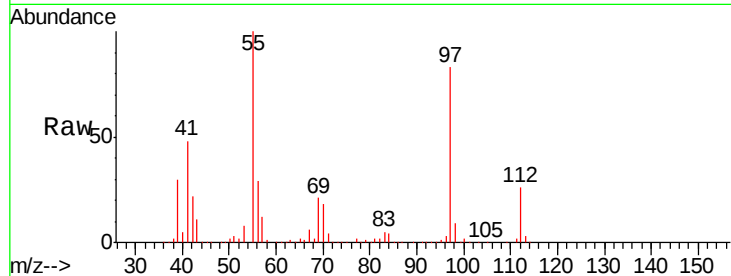
FDSB-05(25-27)

Tgt Ion: 98 Resp: 2914494

Ion Ratio Lower Upper

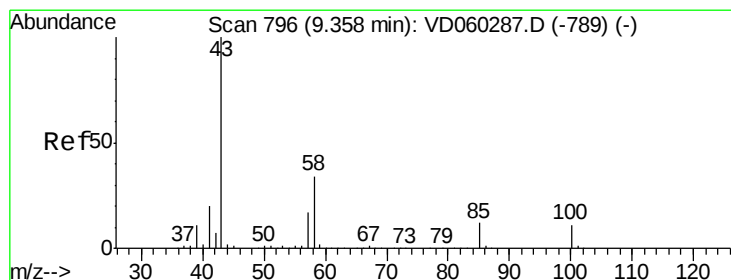
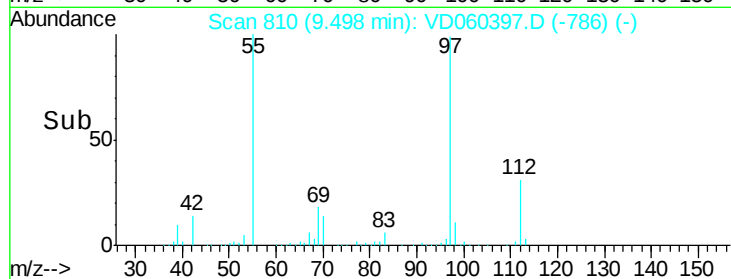
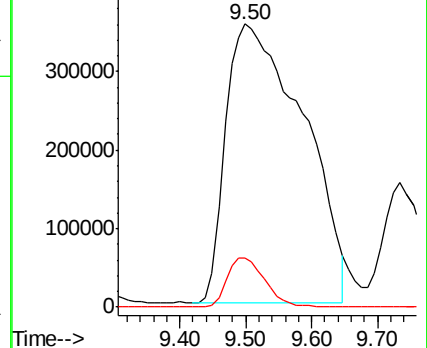
98 100

100 17.4 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: 3652.43 ug/l

RT: 9.25 min Scan# 785

Delta R.T. -0.11 min

Lab File: VD060397.D

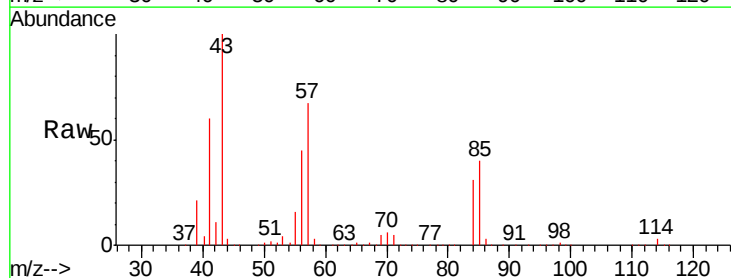
Acq: 16 Nov 2018 14:46

Tgt Ion: 43 Resp: 27944570

Ion Ratio Lower Upper

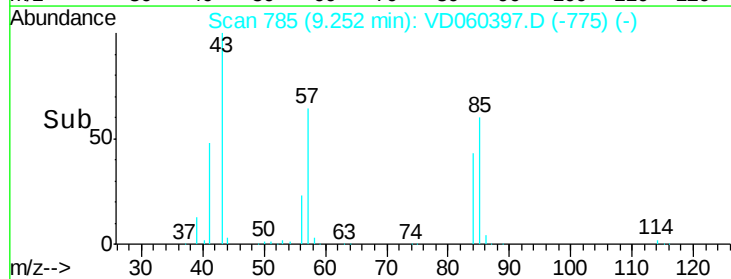
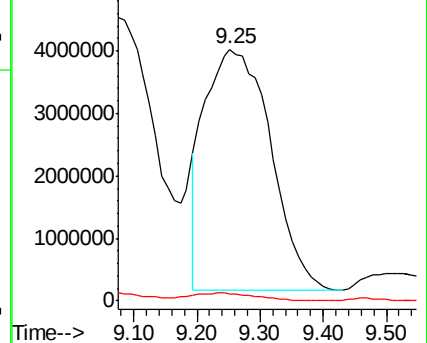
43 100

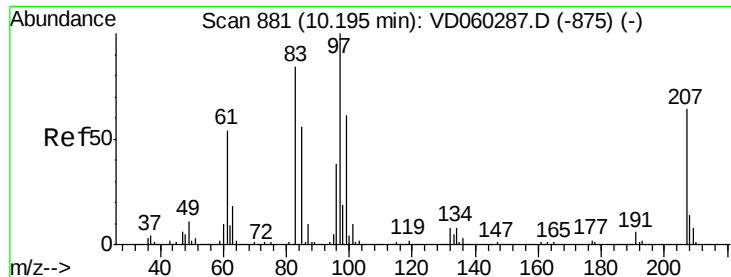
58 2.9 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#55

1,1,2-Trichloroethane

Concen: 1420.10 ug/l

RT: 10.16 min Scan# 877

Delta R.T. -0.04 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

Tgt Ion: 97 Resp:13648879

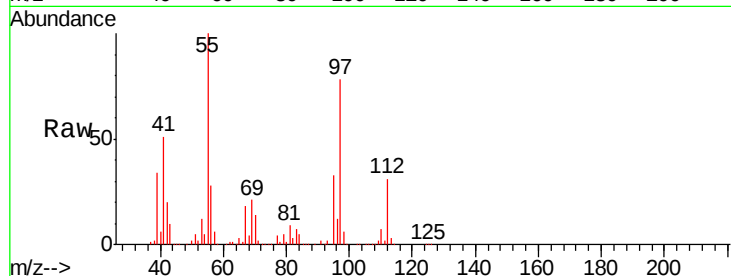
Ion Ratio Lower Upper

97 100

83 8.7 68.4 102.6#

85 0.4 46.8 70.2#

99 0.4 49.5 74.3#

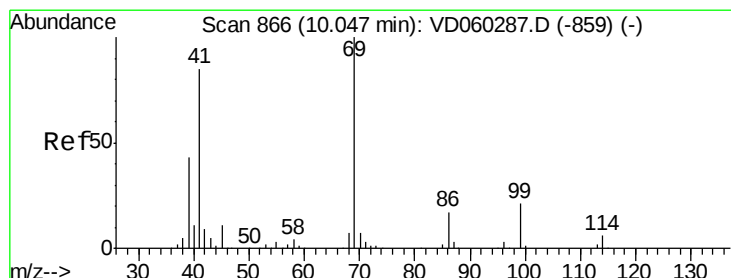
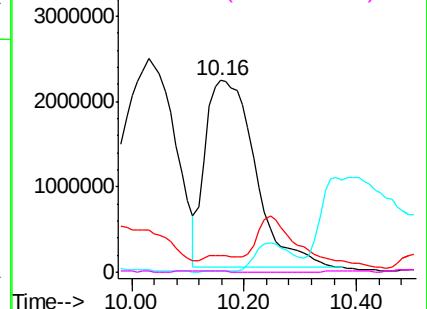
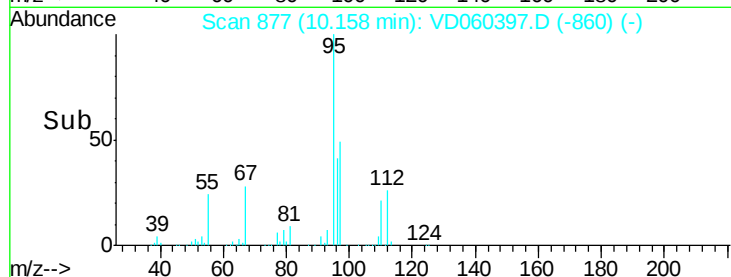


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 804.25 ug/l

RT: 9.98 min Scan# 859

Delta R.T. -0.07 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

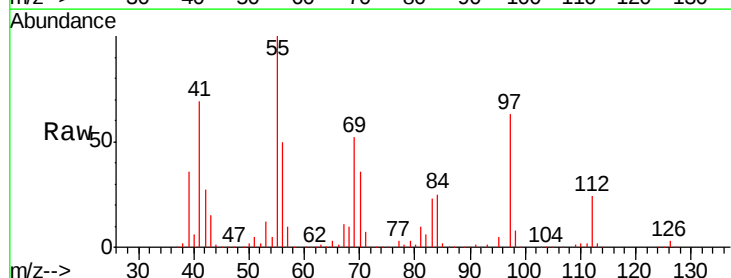
Tgt Ion: 69 Resp: 7107135

Ion Ratio Lower Upper

69 100

41 131.9 69.0 103.4#

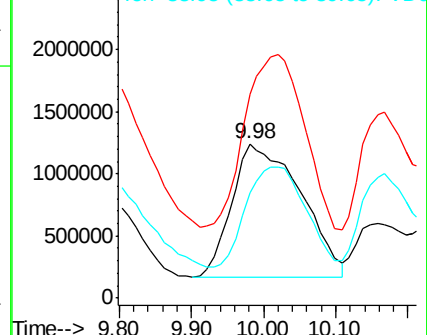
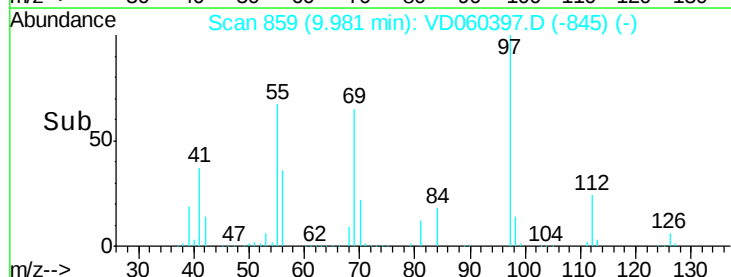
39 68.0 36.6 54.8#

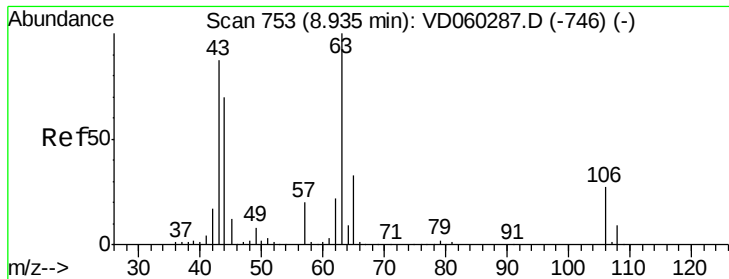


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

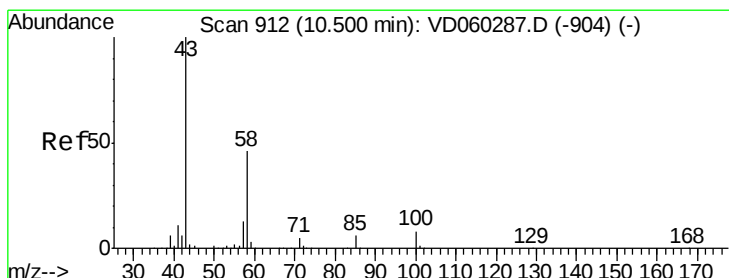
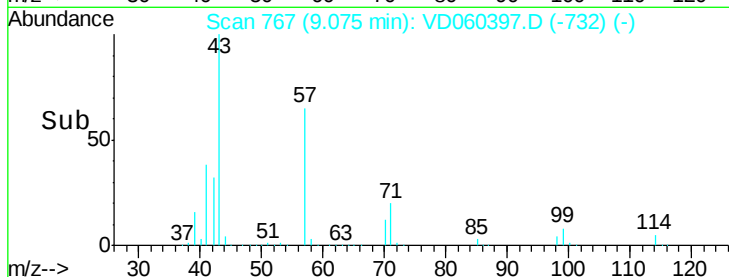
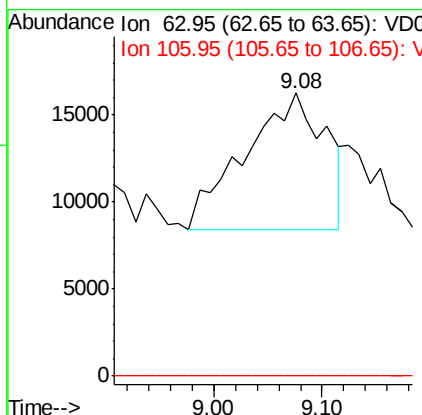
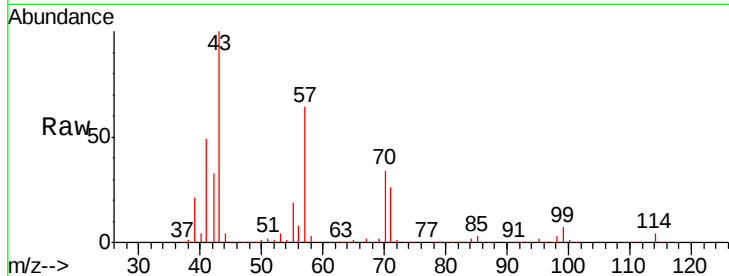




#58
2-Chloroethyl Vinyl ether
Concen: 7.57 ug/l
RT: 9.08 min Scan# 767
Delta R.T. 0.14 min
Lab File: VD060397.D
Acq: 16 Nov 2018 14:46

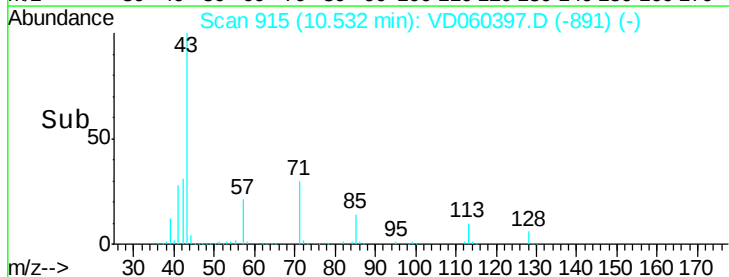
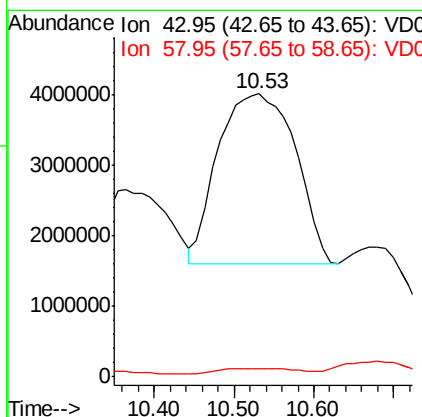
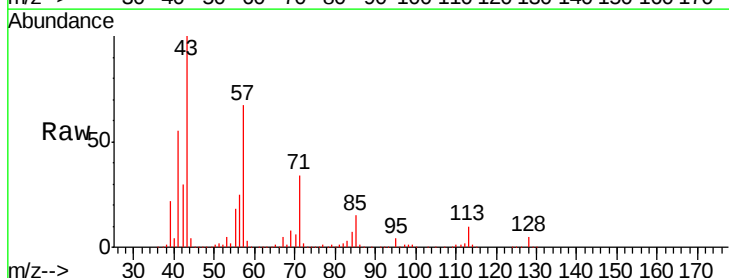
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

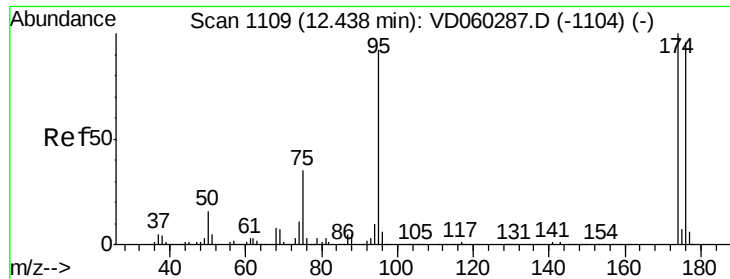
Tgt Ion: 63 Resp: 40425
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#



#59
2-Hexanone
Concen: 3000.71 ug/l
RT: 10.53 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD060397.D
Acq: 16 Nov 2018 14:46

Tgt Ion: 43 Resp:16363207
Ion Ratio Lower Upper
43 100
58 3.1 22.9 68.5#





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

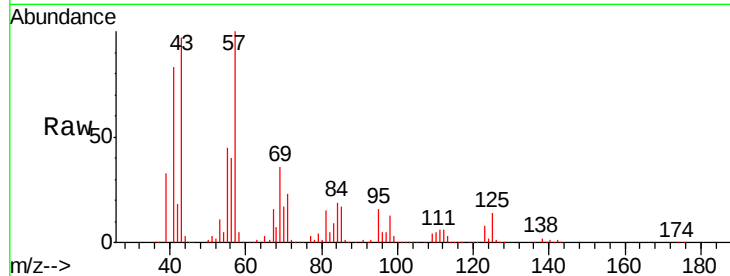
Tgt Ion: 95 Resp: 2063859

Ion Ratio Lower Upper

95 100

174 0.1 0.0 160.8

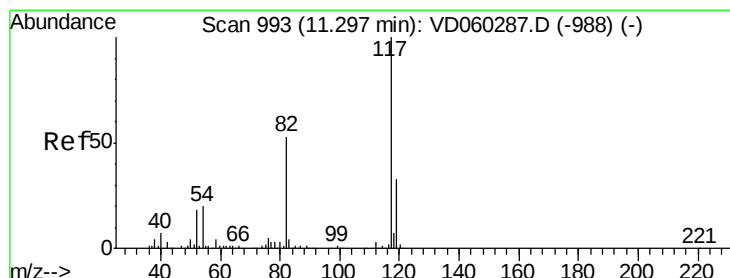
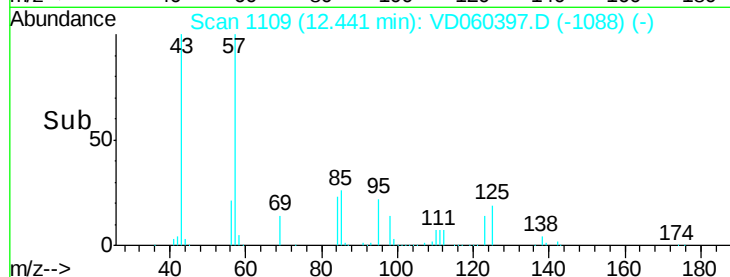
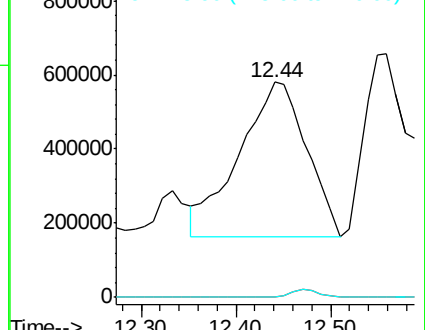
176 0.1 0.0 154.6



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: 11.33 min Scan# 996

Delta R.T. 0.03 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

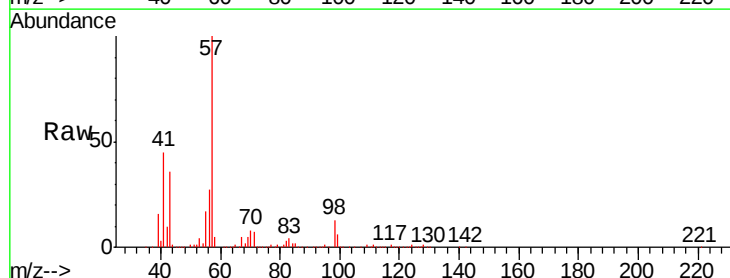
Tgt Ion: 117 Resp: 281202

Ion Ratio Lower Upper

117 100

82 233.6 43.7 65.5#

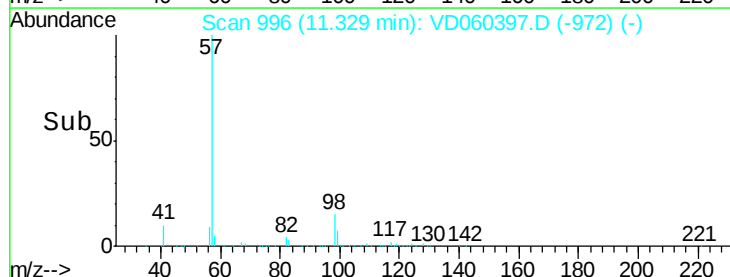
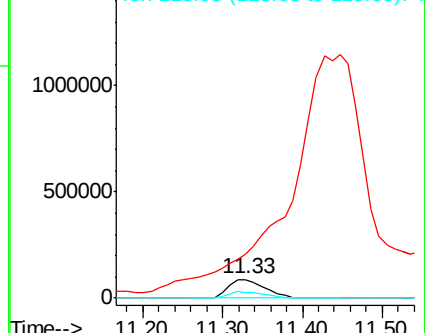
119 31.2 26.1 39.1

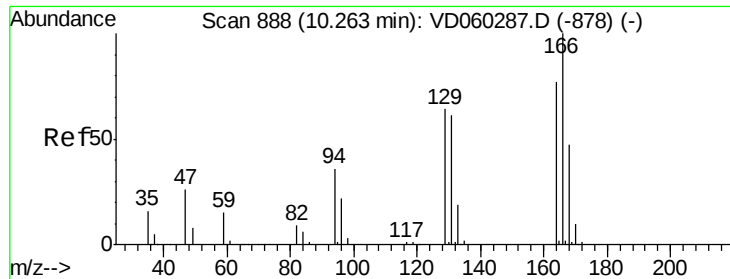


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

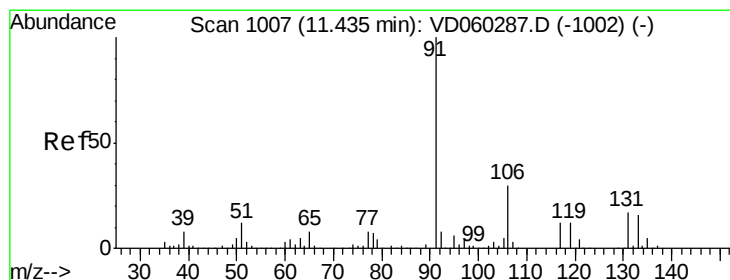
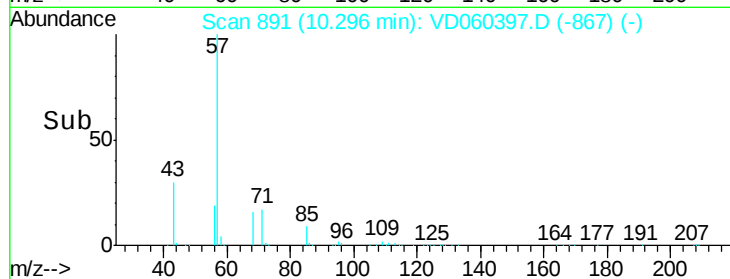
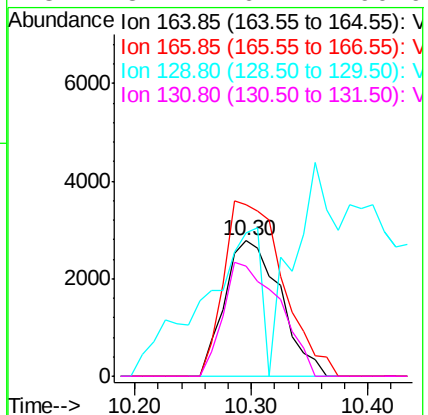
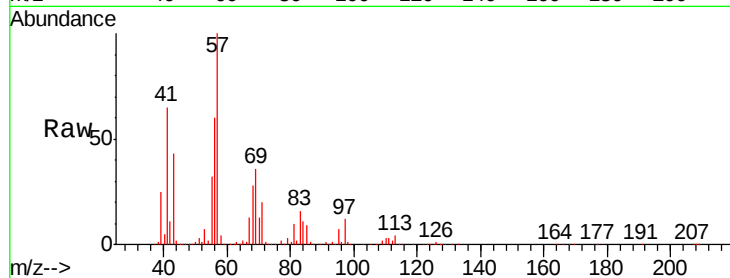




#64
Tetrachloroethene
Concen: 3.67 ug/l
RT: 10.30 min Scan# 891
Delta R.T. 0.03 min
Lab File: VD060397.D
Acq: 16 Nov 2018 14:46

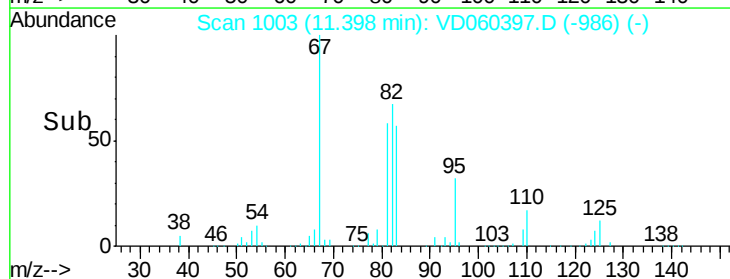
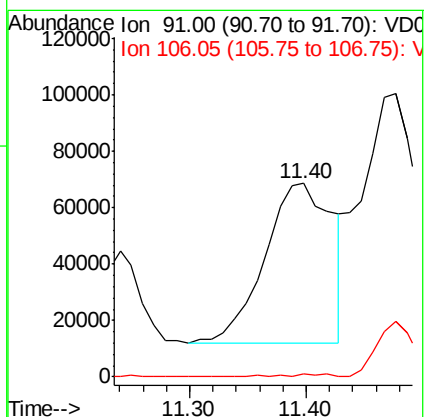
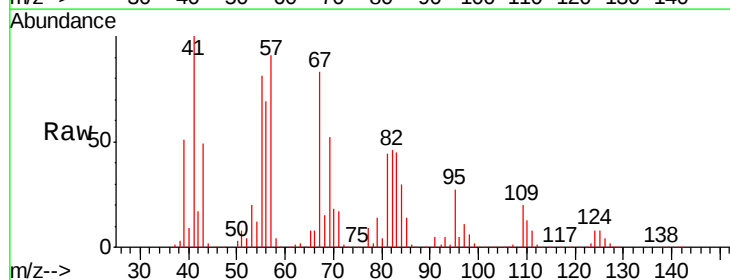
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

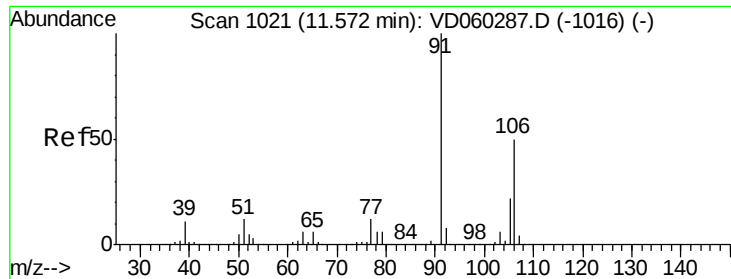
Tgt Ion:164 Resp: 9224
Ion Ratio Lower Upper
164 100
166 126.1 103.7 155.5
129 106.2 65.6 98.4#
131 81.4 64.4 96.6



#67
Ethyl Benzene
Concen: 22.07 ug/l
RT: 11.40 min Scan# 1003
Delta R.T. -0.04 min
Lab File: VD060397.D
Acq: 16 Nov 2018 14:46

Tgt Ion: 91 Resp: 229997
Ion Ratio Lower Upper
91 100
106 1.7 24.6 36.8#

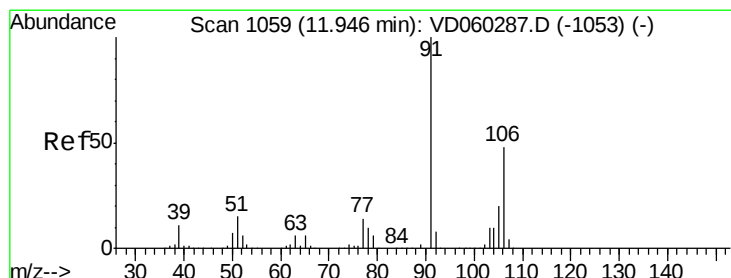
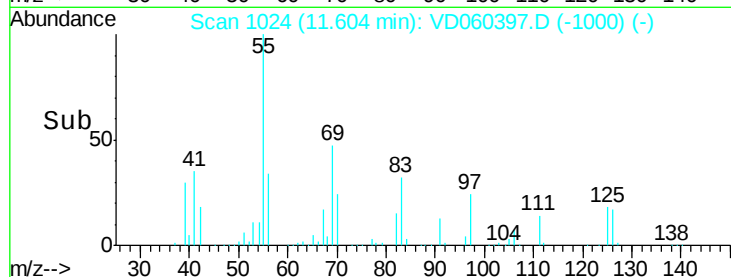
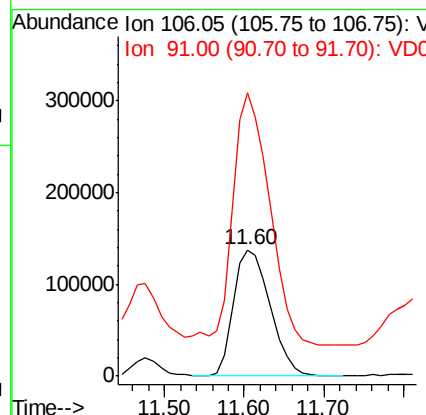
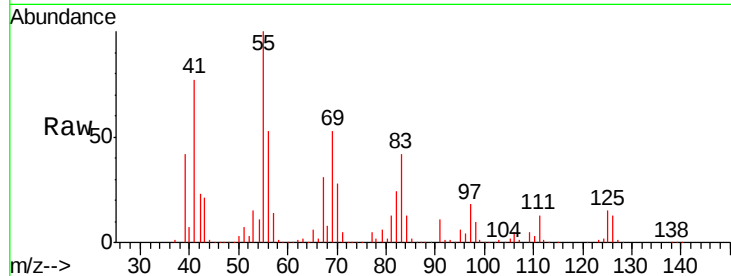




#68
m/p-Xylenes
Concen: 114.27 ug/l
RT: 11.60 min Scan# 1024
Delta R.T. 0.03 min
Lab File: VD060397.D
Acq: 16 Nov 2018 14:46

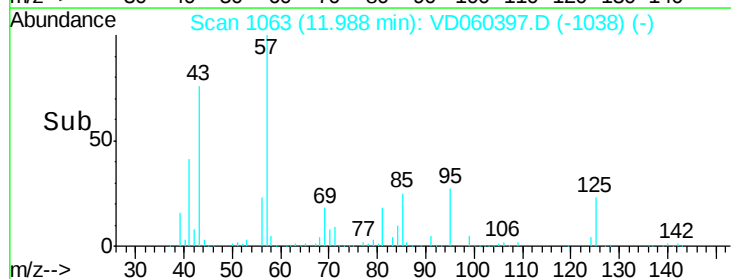
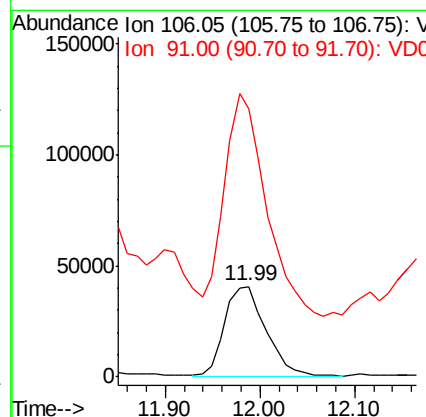
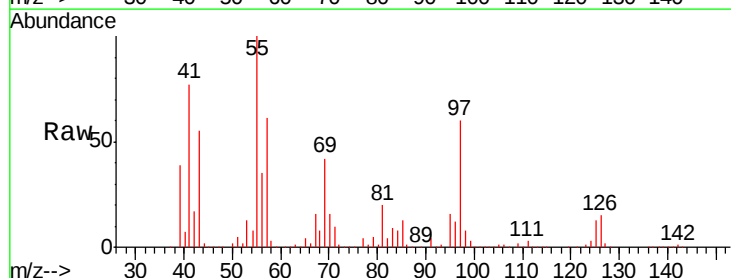
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

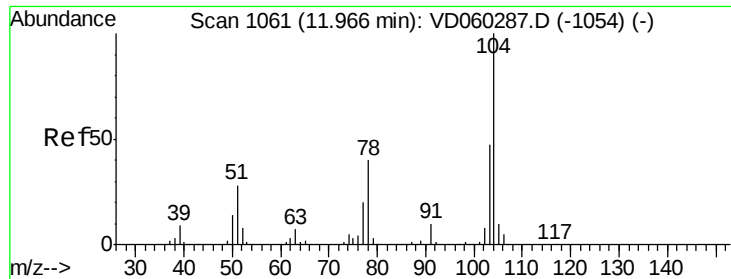
Tgt Ion:106 Resp: 439355
Ion Ratio Lower Upper
106 100
91 224.7 159.4 239.2



#69
o-Xylene
Concen: 33.53 ug/l
RT: 11.99 min Scan# 1063
Delta R.T. 0.04 min
Lab File: VD060397.D
Acq: 16 Nov 2018 14:46

Tgt Ion:106 Resp: 124533
Ion Ratio Lower Upper
106 100
91 295.6 109.2 327.6





#70

Styrene

Concen: 1.62 ug/l

RT: 11.98 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

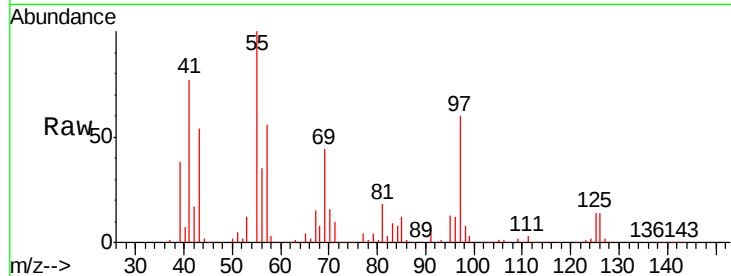
Tgt Ion:104 Resp: 9752

Ion Ratio Lower Upper

104 100

78 1120.4 31.6 47.4#

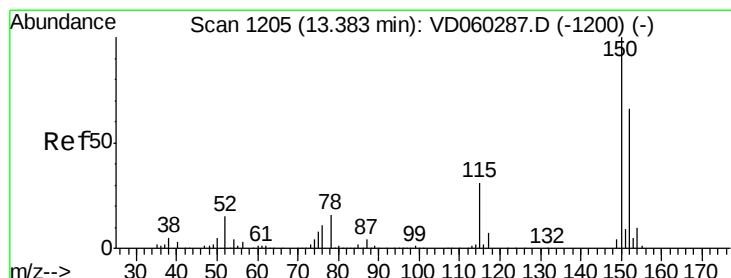
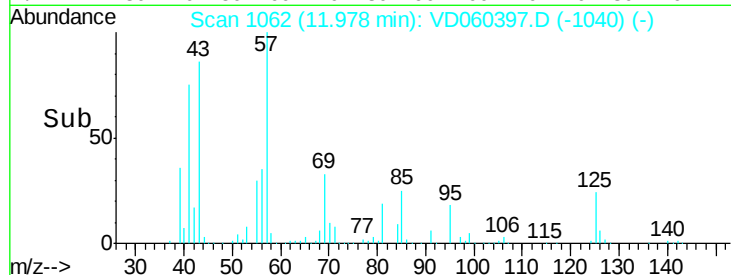
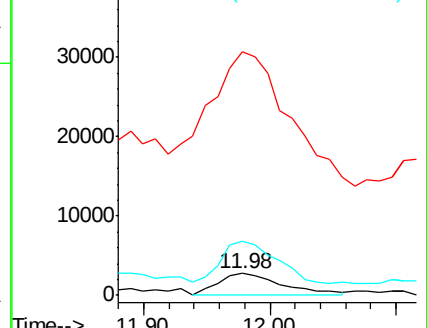
103 251.0 37.0 55.6#



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.50 min Scan# 1217

Delta R.T. 0.12 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

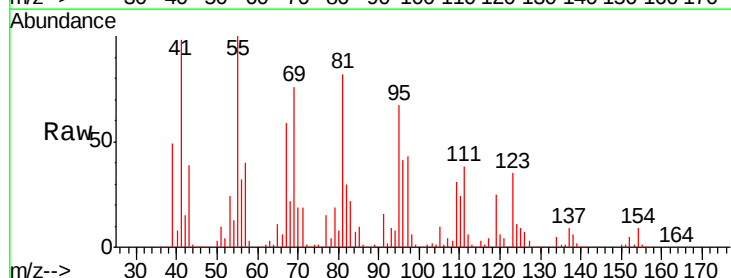
Tgt Ion:152 Resp: 124672

Ion Ratio Lower Upper

152 100

115 62.1 24.1 72.3

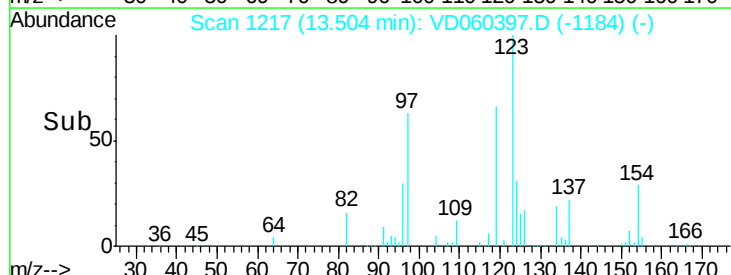
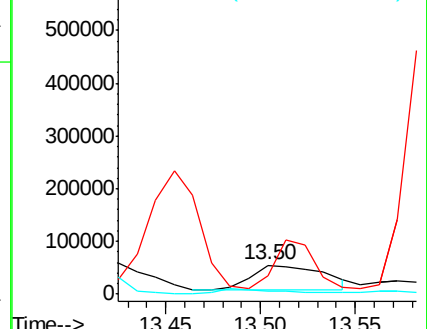
150 9.7 0.0 310.6

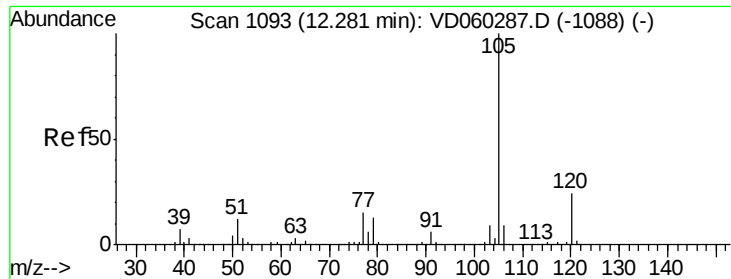


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 709.23 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. 0.05 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

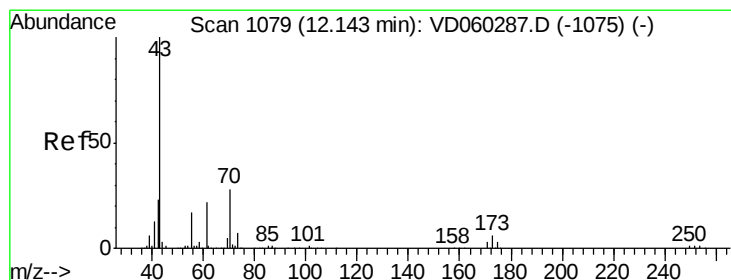
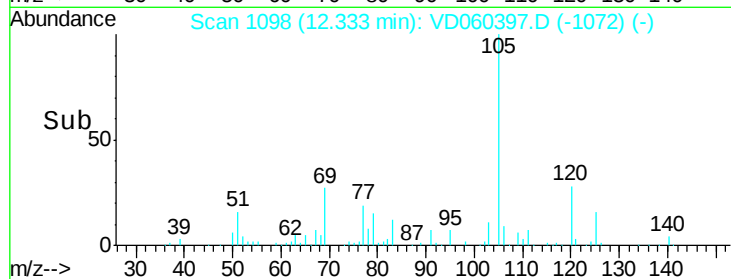
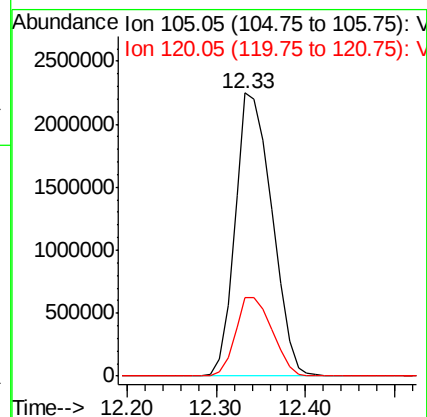
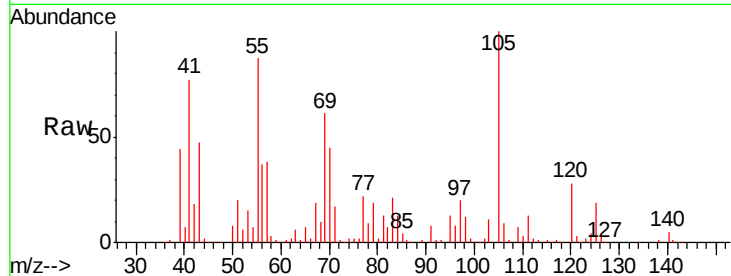
FDSB-05(25-27)

Tgt Ion:105 Resp: 6442085

Ion Ratio Lower Upper

105 100

120 27.8 12.1 36.3



#74

N-ethyl acetate

Concen: 3527.03 ug/l

RT: 12.20 min Scan# 1085

Delta R.T. 0.06 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Tgt Ion: 43 Resp: 8213599

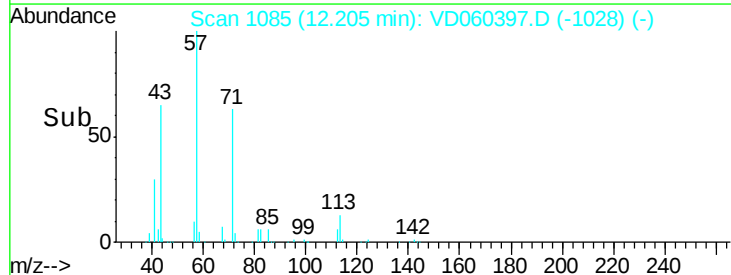
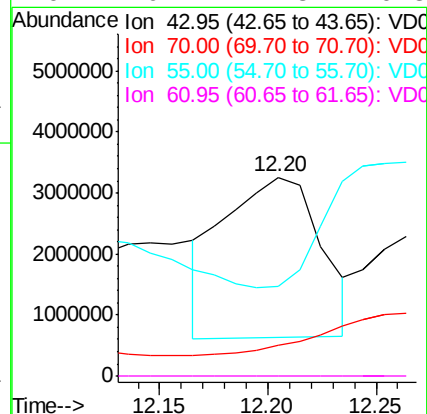
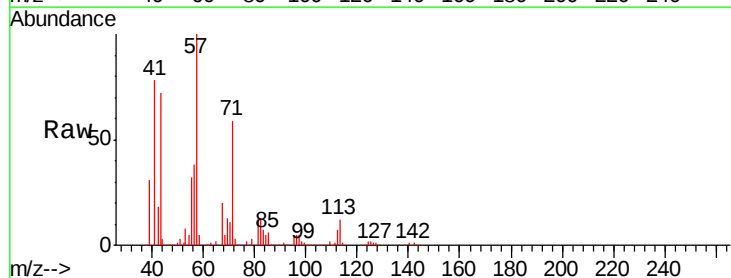
Ion Ratio Lower Upper

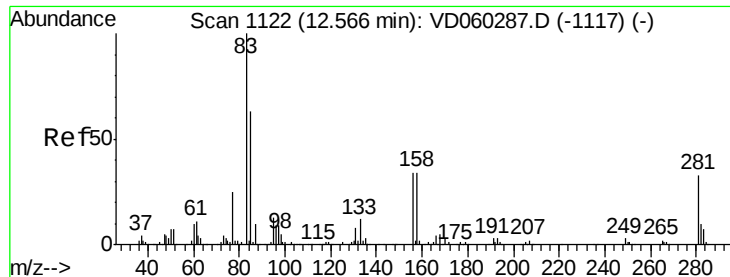
43 100

70 15.3 23.0 34.4#

55 45.0 14.2 21.4#

61 0.1 17.8 26.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 549.98 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

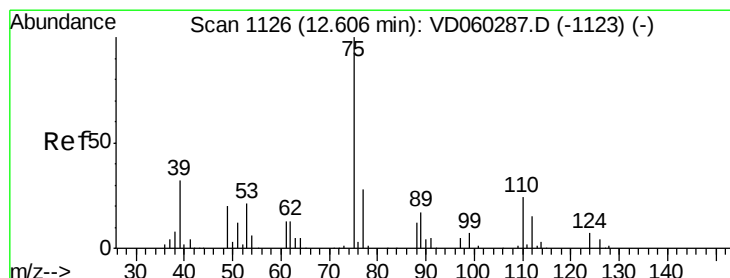
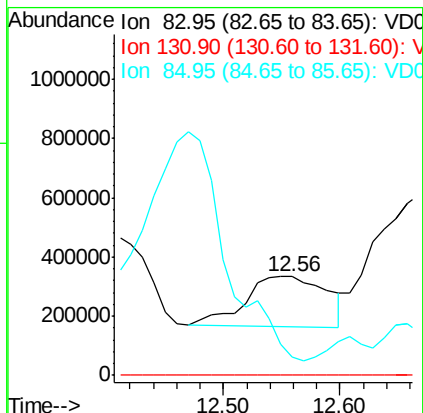
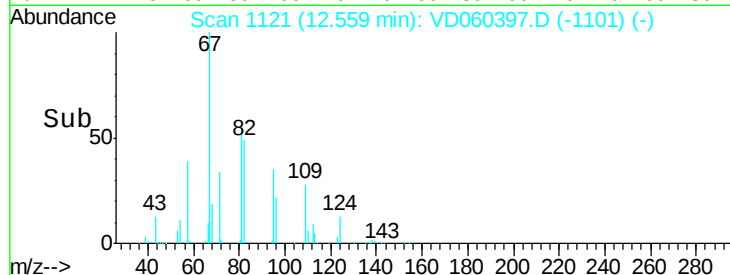
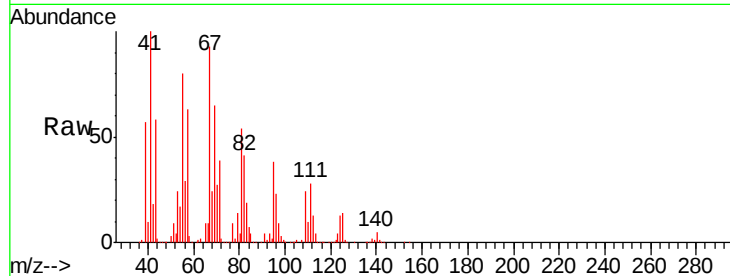
Tgt Ion: 83 Resp: 817003

Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.5#

85 18.4 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 2.38 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.07 min

Lab File: VD060397.D

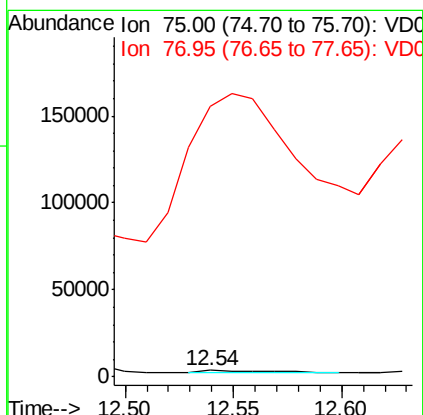
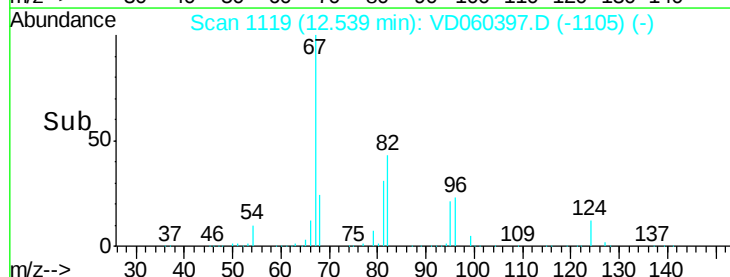
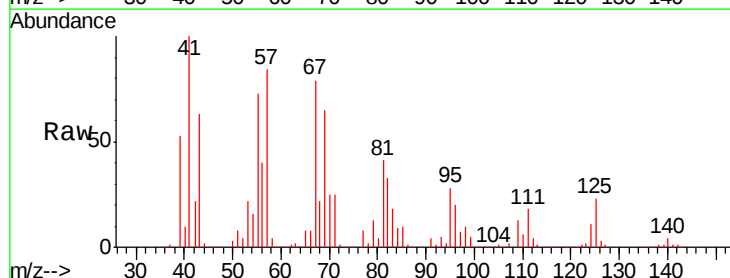
Acq: 16 Nov 2018 14:46

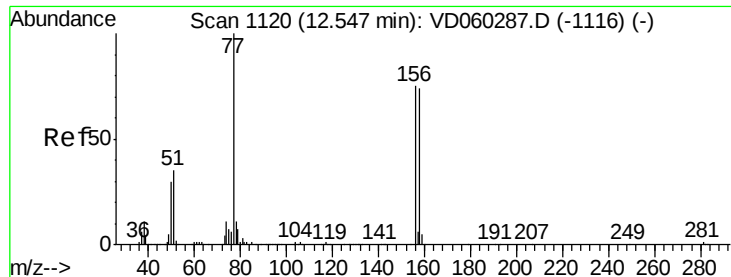
Tgt Ion: 75 Resp: 3550

Ion Ratio Lower Upper

75 100

77 4283.7 16.4 49.1#





#77

Bromobenzene

Concen: 4.01 ug/l

RT: 12.66 min Scan# 1131

Delta R.T. 0.11 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

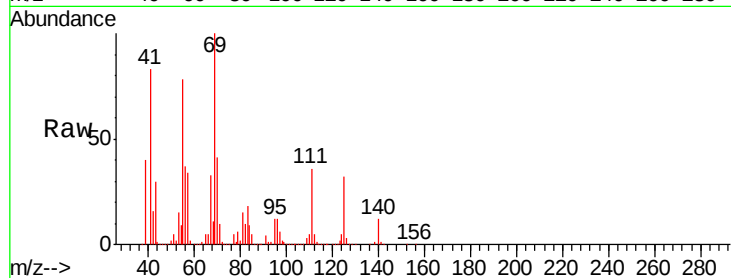
Tgt Ion:156 Resp: 9683

Ion Ratio Lower Upper

156 100

77 3928.9 61.2 183.6#

158 0.0 49.2 147.6#



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

400000

300000

200000

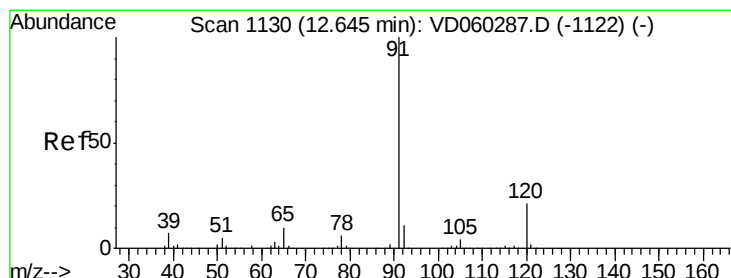
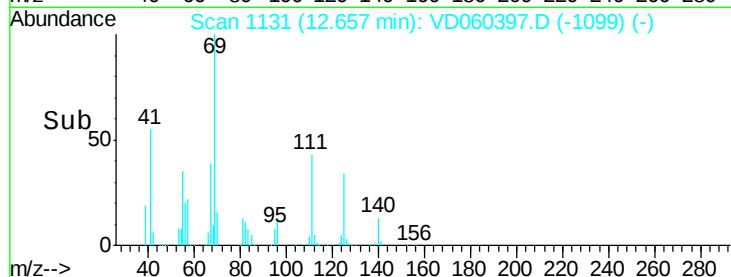
100000

0

12.55 12.60 12.65 12.70

12.66

Time-->



#78

n-propylbenzene

Concen: 1117.56 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. 0.06 min

Lab File: VD060397.D

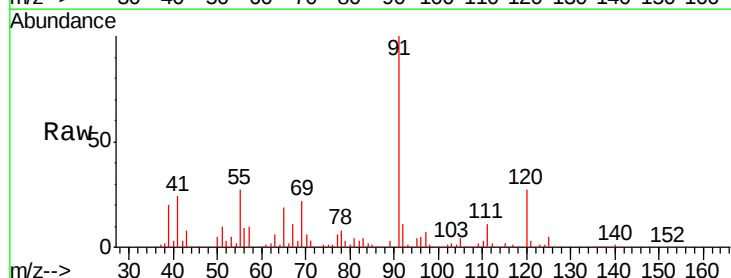
Acq: 16 Nov 2018 14:46

Tgt Ion: 91 Resp:12670485

Ion Ratio Lower Upper

91 100

120 27.4 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

5000000

4000000

3000000

2000000

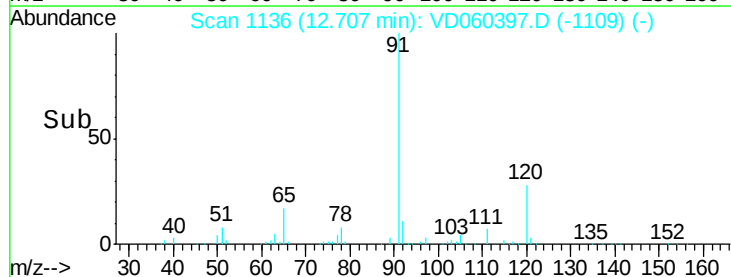
1000000

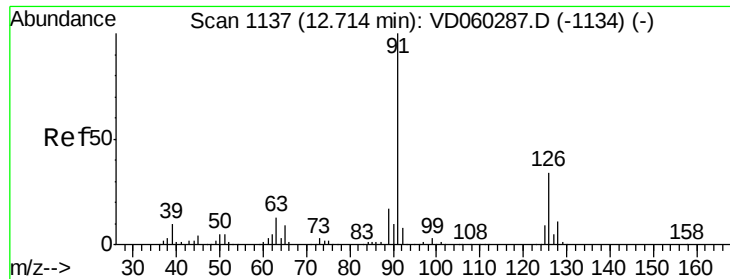
0

12.60 12.70 12.80

12.71

Time-->





#79

2-Chlorotoluene

Concen: 2044.69 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

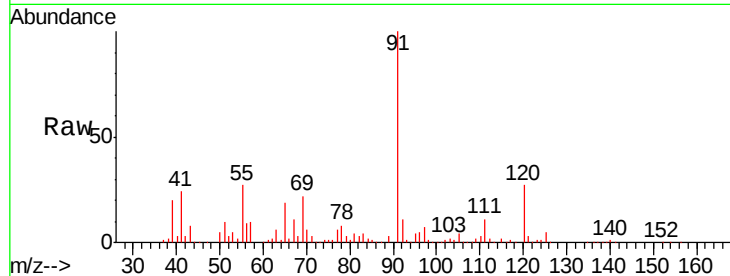
FDSB-05(25-27)

Tgt Ion: 91 Resp:12696570

Ion Ratio Lower Upper

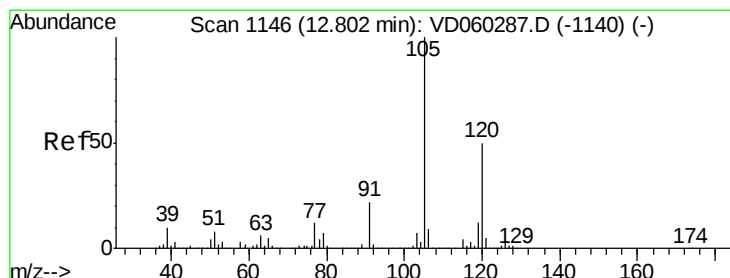
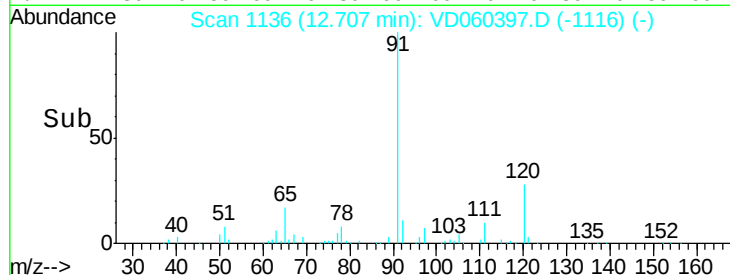
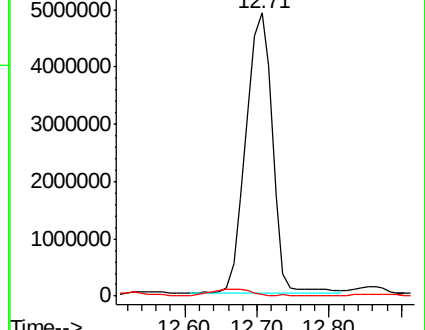
91 100

126 0.5 17.4 52.2#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 127.81 ug/l

RT: 12.78 min Scan# 1143

Delta R.T. -0.03 min

Lab File: VD060397.D

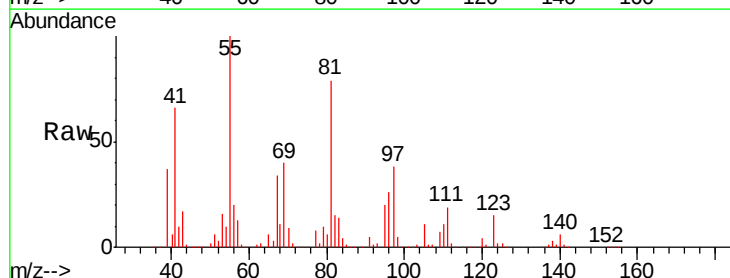
Acq: 16 Nov 2018 14:46

Tgt Ion:105 Resp: 902237

Ion Ratio Lower Upper

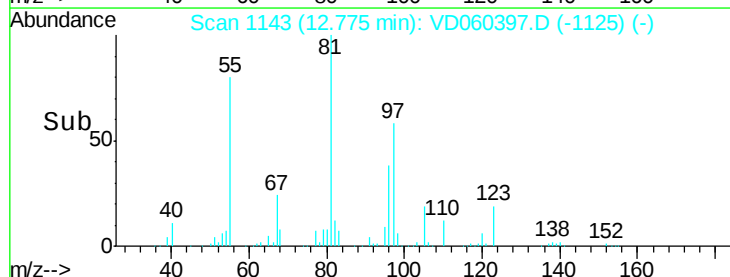
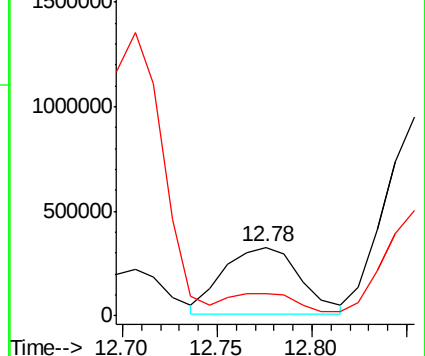
105 100

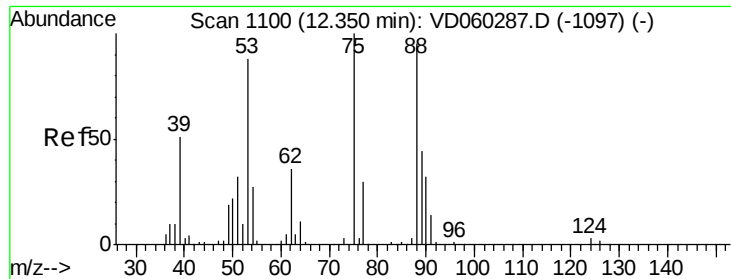
120 32.9 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 214.59 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.02 min

Lab File: VD060397.D

Acq: 16 Nov 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

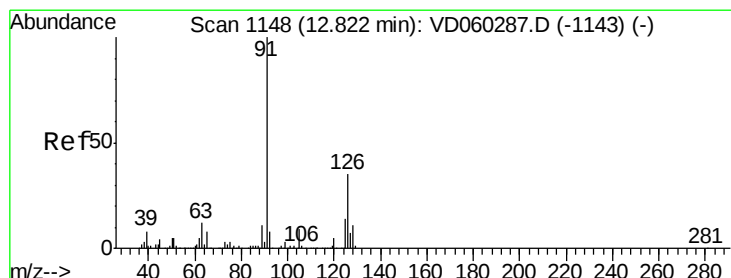
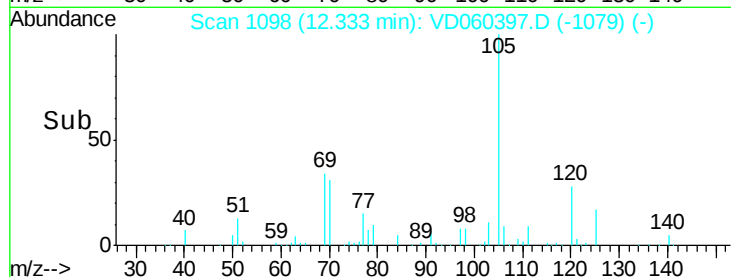
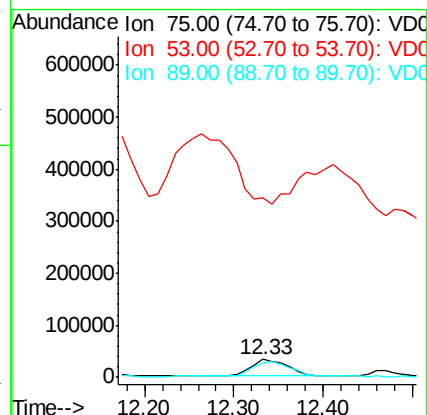
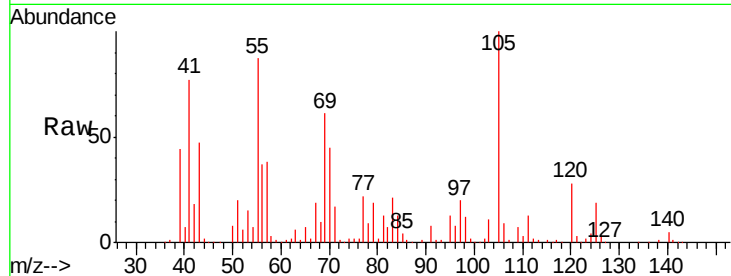
Tgt Ion: 75 Resp: 91114

Ion Ratio Lower Upper

75 100

53 1006.5 68.6 103.0#

89 84.9 34.1 51.1#



#82

4-Chlorotoluene

Concen: 1797.28 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. -0.12 min

Lab File: VD060397.D

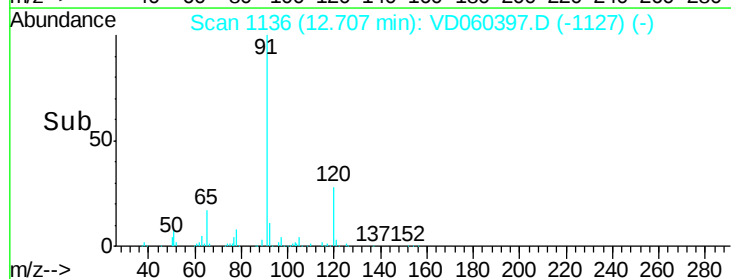
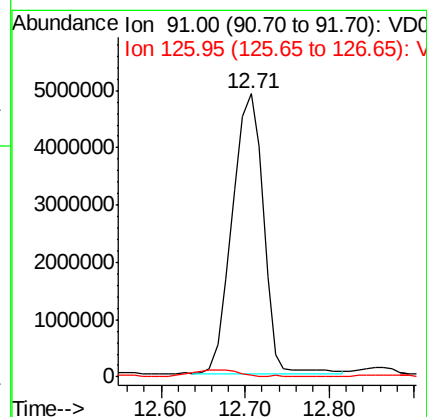
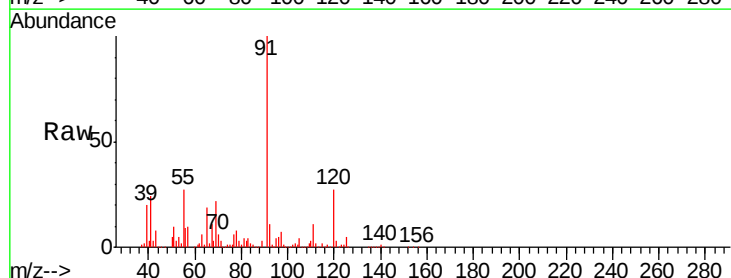
Acq: 16 Nov 2018 14:46

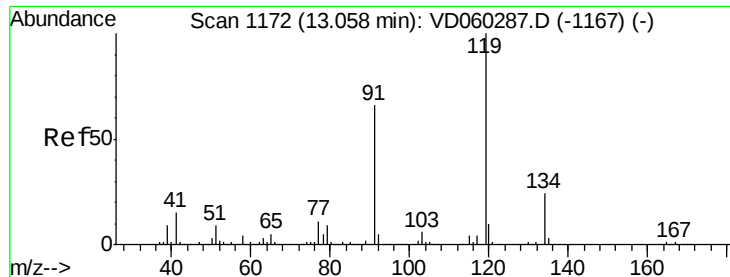
Tgt Ion: 91 Resp: 12536590

Ion Ratio Lower Upper

91 100

126 0.5 14.8 44.4#

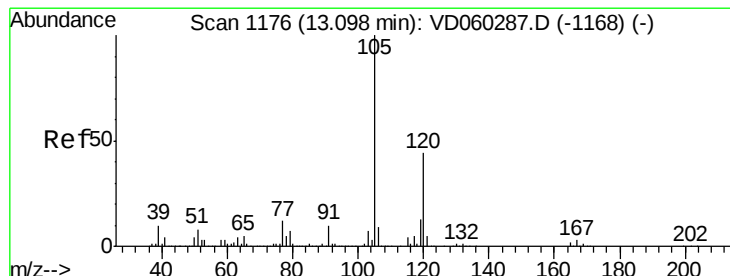
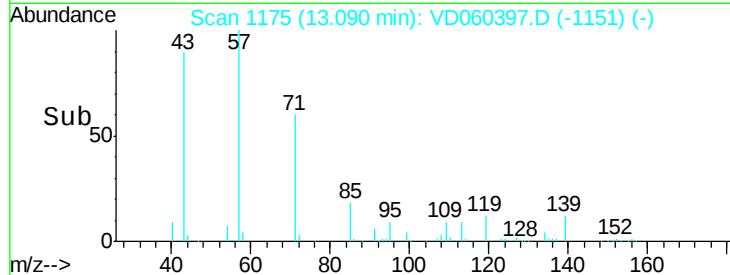
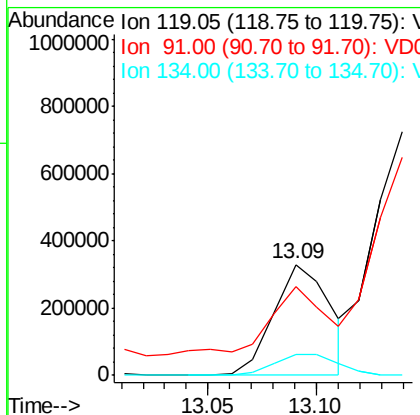
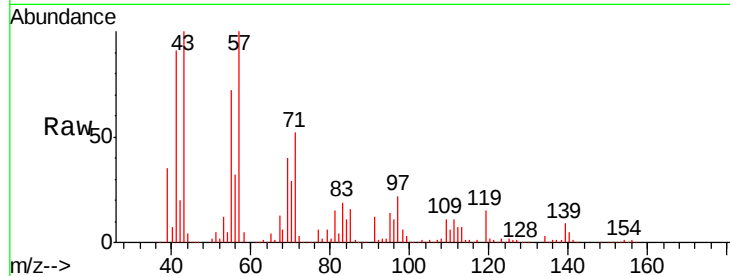




#83
 tert-Butylbenzene
 Concen: 76.08 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.03 min
 Lab File: VD060397.D
 Acq: 16 Nov 2018 14:46

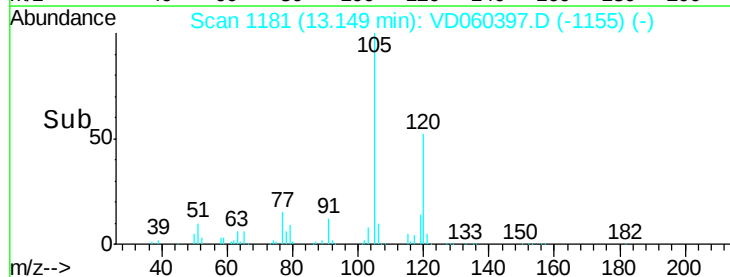
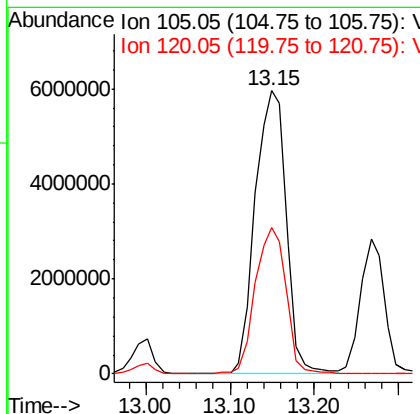
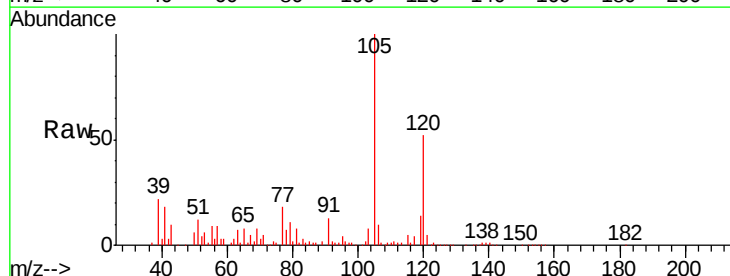
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)

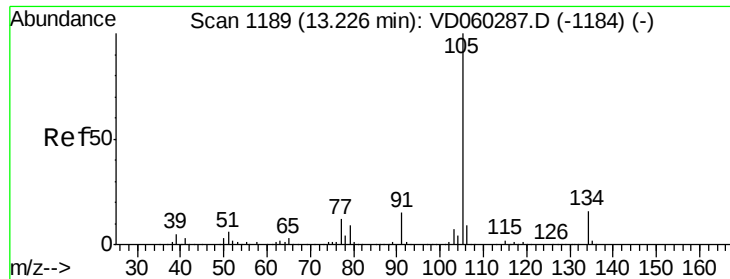
Tgt Ion:119 Resp: 596249
 Ion Ratio Lower Upper
 119 100
 91 80.5 32.7 98.1
 134 18.6 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 2178.46 ug/l
 RT: 13.15 min Scan# 1181
 Delta R.T. 0.05 min
 Lab File: VD060397.D
 Acq: 16 Nov 2018 14:46

Tgt Ion:105 Resp:15357983
 Ion Ratio Lower Upper
 105 100
 120 51.6 21.9 65.8

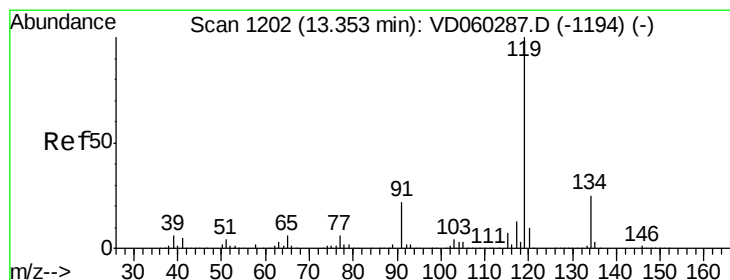
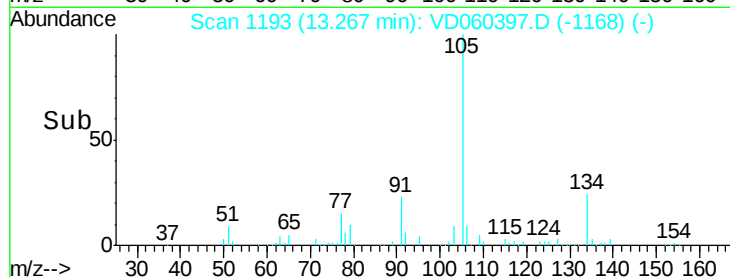
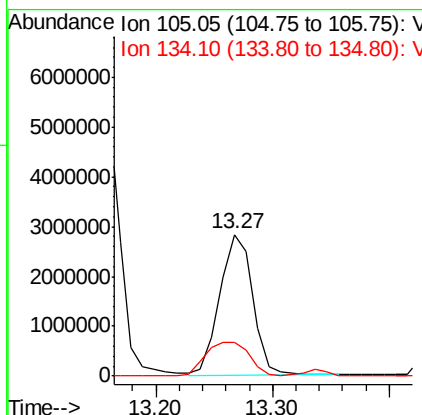
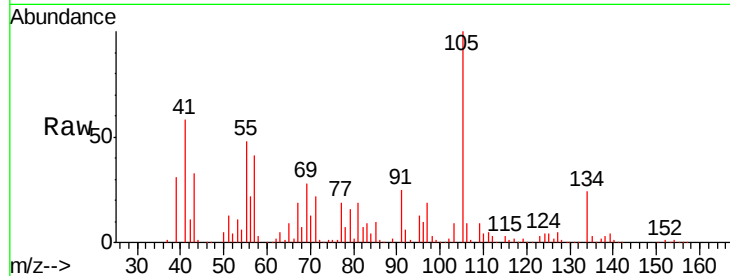




#85
 sec-Butylbenzene
 Concen: 577.58 ug/l
 RT: 13.27 min Scan# 1193
 Delta R.T. 0.04 min
 Lab File: VD060397.D
 Acq: 16 Nov 2018 14:46

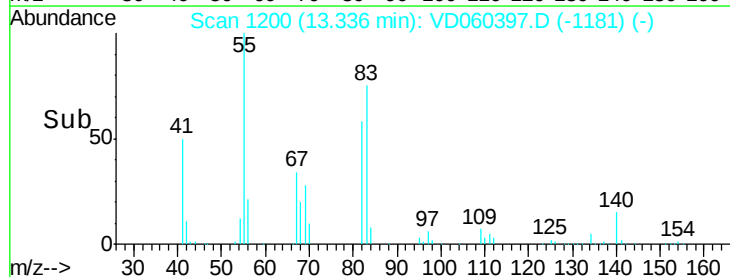
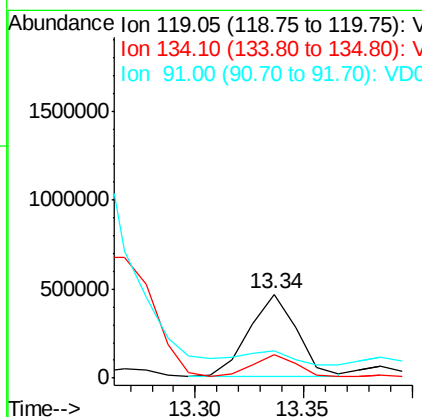
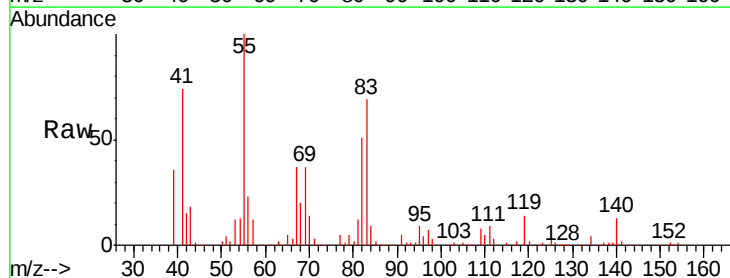
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)

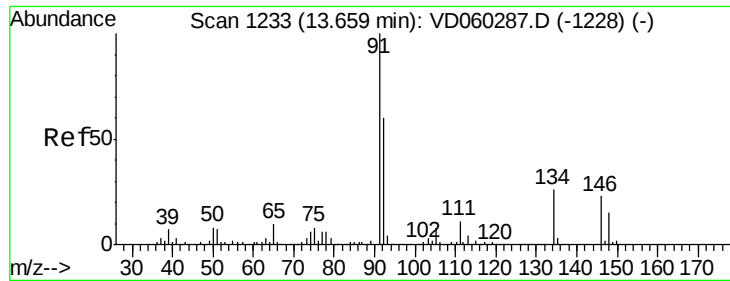
Tgt Ion:105 Resp: 5553583
 Ion Ratio Lower Upper
 105 100
 134 23.8 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 91.35 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD060397.D
 Acq: 16 Nov 2018 14:46

Tgt Ion:119 Resp: 707344
 Ion Ratio Lower Upper
 119 100
 134 27.7 12.9 38.6
 91 33.1 11.3 33.8

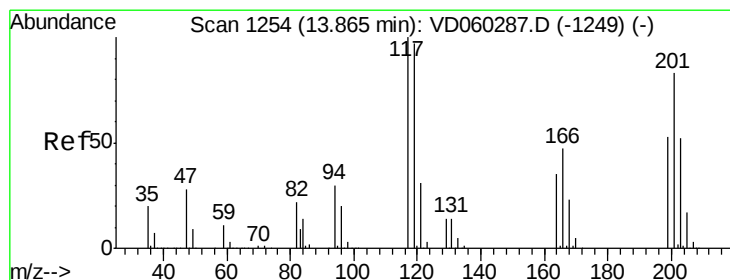
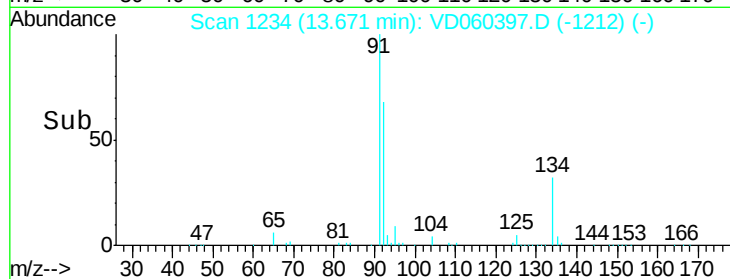
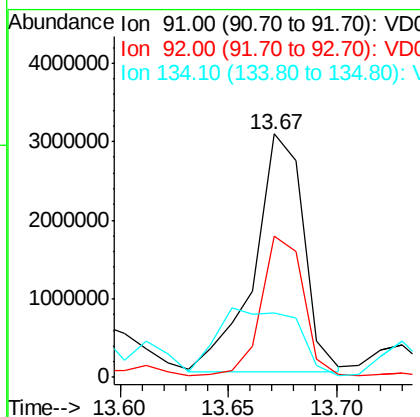
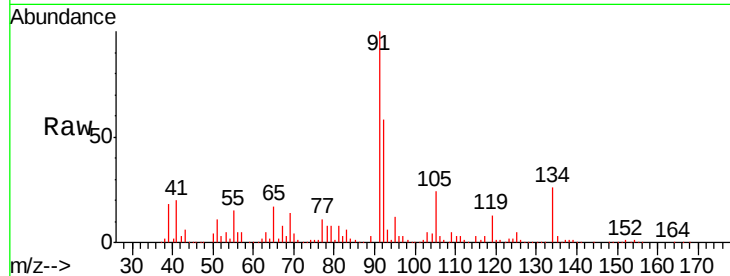




#89
n-Butylbenzene
Concen: Below Cal
RT: 13.67 min Scan# 1234
Delta R.T. 0.01 min
Lab File: VD060397.D
Acq: 16 Nov 2018 14:46

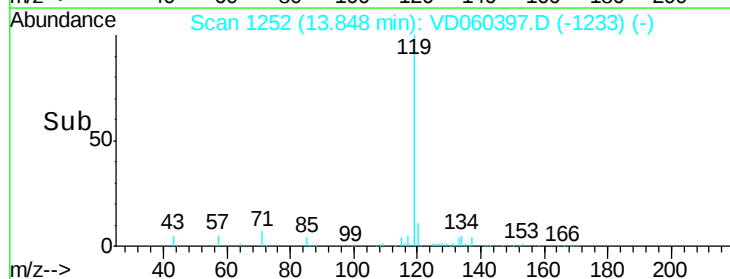
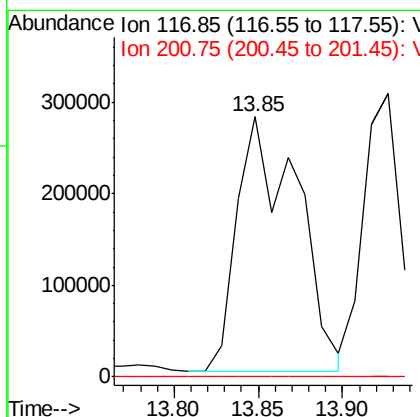
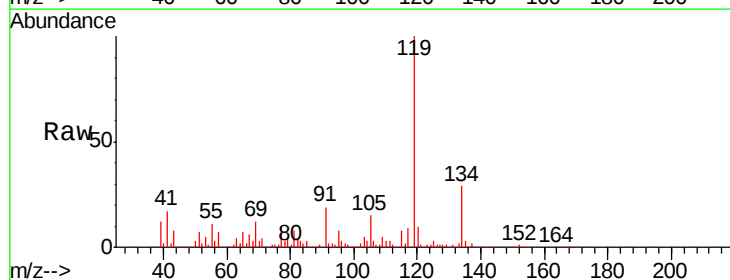
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

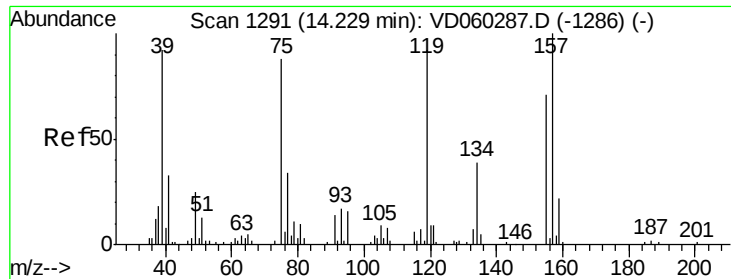
Tgt Ion: 91 Resp: 4811726
Ion Ratio Lower Upper
91 100
92 57.8 30.3 90.9
134 26.4 13.0 38.9



#90
Hexachloroethane
Concen: 373.92 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.02 min
Lab File: VD060397.D
Acq: 16 Nov 2018 14:46

Tgt Ion: 117 Resp: 686545
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.3#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.46 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060397.D
 Acq: 16 Nov 2018 14:46

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

Tgt Ion: 75 Resp: 10842
 Ion Ratio Lower Upper
 75 100
 155 4.0 64.3 192.9#
 157 0.0 81.0 243.1#

