

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
 Data File : VD060401.D
 Acq On : 16 Nov 2018 16:39
 Operator : JC/SY
 Sample : J5918-07
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-11(11-13)

Quant Time: Nov 17 02:59:05 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	6.42	168	1204363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	1789790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1365326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	474224	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	325419	37.74	ug/l	0.00
Spiked Amount			Recovery	=	75.48%	
35) Dibromofluoromethane	6.34	113	460354	34.49	ug/l	0.00
Spiked Amount			Recovery	=	68.98%	
50) Toluene-d8	9.47	98	1367008	35.00	ug/l	0.00
Spiked Amount			Recovery	=	70.00%	
62) 4-Bromofluorobenzene	12.44	95	489940	34.61	ug/l	0.00
Spiked Amount			Recovery	=	69.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	2766	Below Cal		78
11) Tert butyl alcohol	3.97	59	1140	3.219	ug/l #	70
16) Acetone	3.17	43	57552	38.475	ug/l #	91
17) Carbon Disulfide	3.33	76	28952	1.526	ug/l #	94
20) Methylene Chloride	3.74	84	107380	8.092	ug/l	97
25) 2-Butanone	5.63	43	40858	13.141	ug/l	100
29) Tetrahydrofuran	5.96	42	4078	2.488	ug/l #	73
31) Cyclohexane	6.38	56	81704	3.968	ug/l #	72
36) 1,1-Dichloropropene	6.42	75	77144	4.363	ug/l #	47
37) Ethyl Acetate	5.63	43	40860	5.022	ug/l #	69
38) Carbon Tetrachloride	6.42	117	99703	6.078	ug/l #	16
39) Methylcyclohexane	8.05	83	456037	22.423	ug/l	97
43) Isopropyl Acetate	8.41	43	130472	12.765	ug/l #	47
47) Bromodichloromethane	8.44	83	18338	1.167	ug/l #	64
48) Methyl methacrylate	8.32	41	49876	8.034	ug/l #	60
51) 4-Methyl-2-Pentanone	9.46	43	129477	19.464	ug/l #	56
55) 1,1,2-Trichloroethane	10.25	97	21064	2.521	ug/l #	40
56) Ethyl methacrylate	10.12	69	105341	13.710	ug/l #	1
59) 2-Hexanone	10.46	43	2254413	475.482	ug/l #	35
73) Isopropylbenzene	12.29	105	1504659	43.549	ug/l	99
74) N-amyl acetate	12.10	43	2147963	242.487	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.55	83	99799	17.662	ug/l #	59
76) 1,2,3-Trichloropropane	12.65	75	18823	3.318	ug/l #	1
78) n-propylbenzene	12.65	91	4136779	95.924	ug/l	98
79) 2-Chlorotoluene	12.65	91	4111920	174.089	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.81	105	47289	1.761	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	13659	8.457	ug/l #	1
83) tert-Butylbenzene	13.06	119	148578	4.984	ug/l	90
84) 1,2,4-Trimethylbenzene	13.11	105	1208193	45.054	ug/l	95
85) sec-Butylbenzene	13.24	105	2410706	65.913	ug/l	98
86) p-Isopropyltoluene	13.50	119	695551	23.615	ug/l	95
89) n-Butylbenzene	13.66	91	2468916	106.210	ug/l	97
90) Hexachloroethane	13.84	117	102663	14.700	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.21	75	38263	56.097	ug/l #	1

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QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration

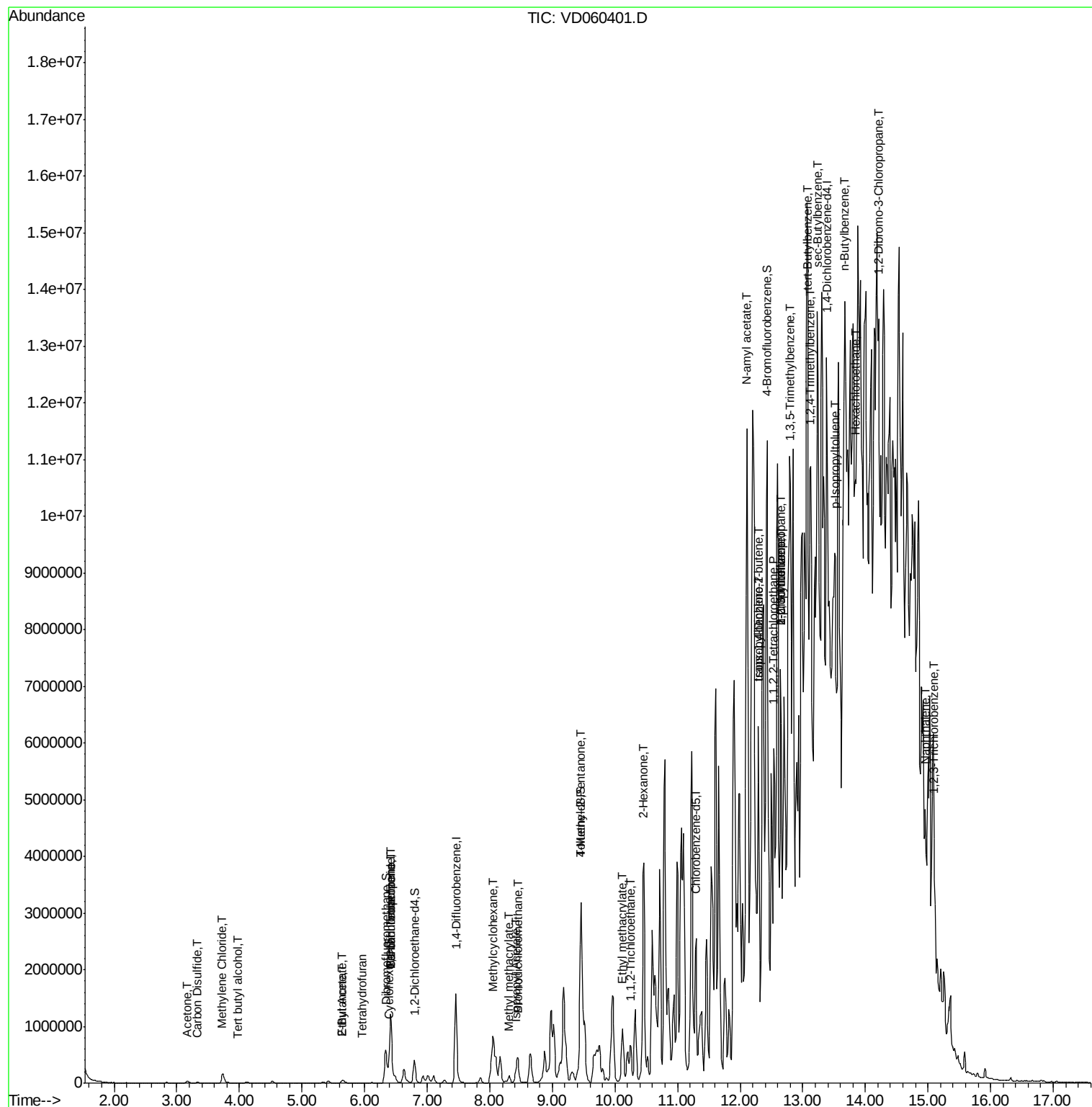
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.96	128	65721	5.062	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.11	180	12103	1.420	ug/l #	1

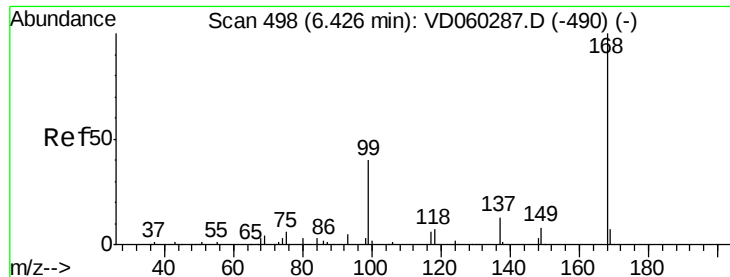
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111618\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

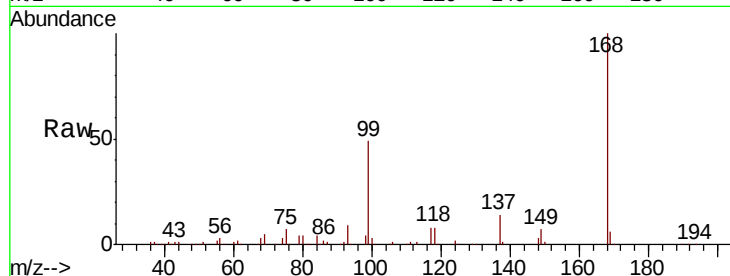
FDSB-11(11-13)

Tot Ion:168 Resp: 1204363

Ion Ratio Lower Upper

168 100

99 49.1 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

400000

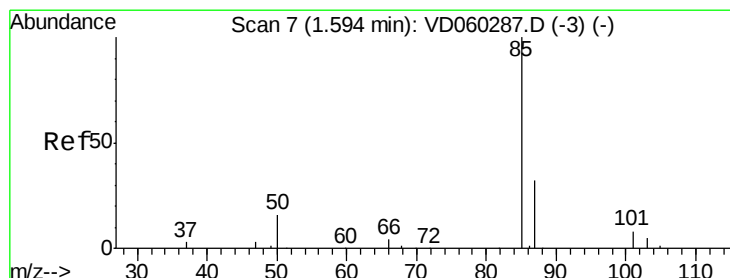
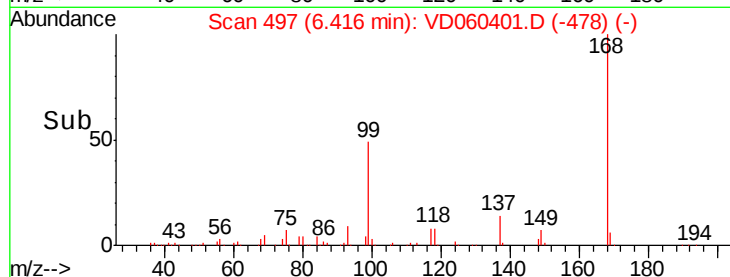
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060401.D

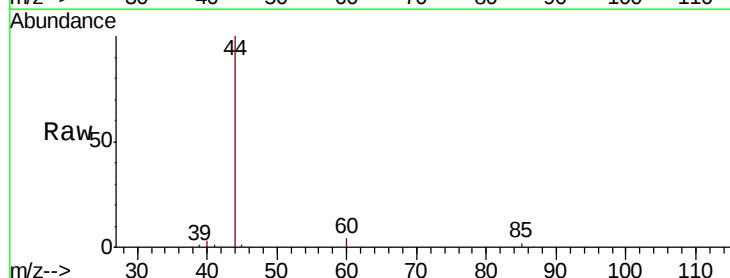
Acq: 16 Nov 2018 16:39

Tgt Ion: 85 Resp: 2766

Ion Ratio Lower Upper

85 100

87 20.8 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

2000

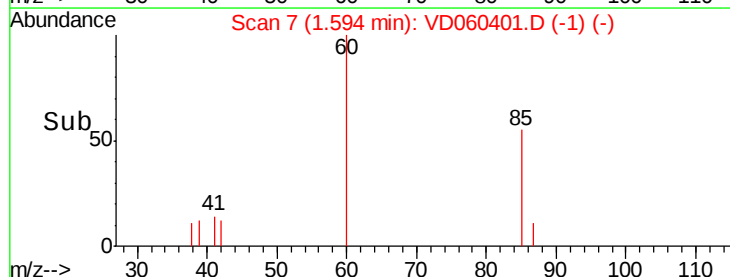
1500

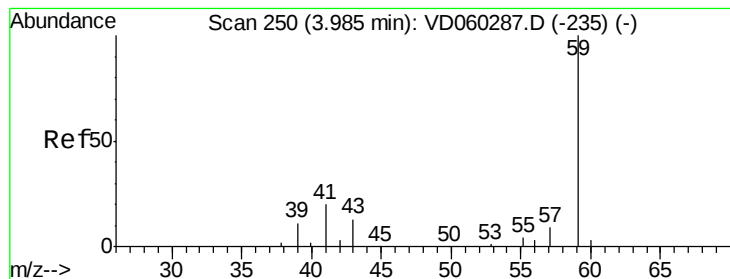
1000

500

0

Time-->



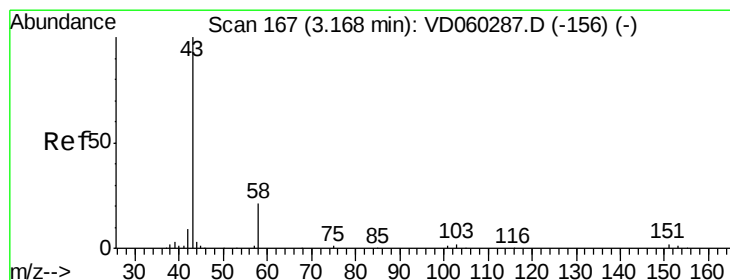
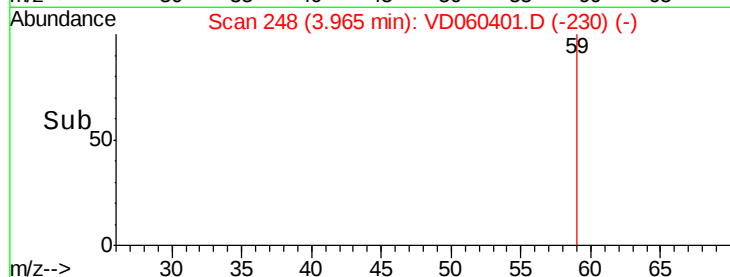
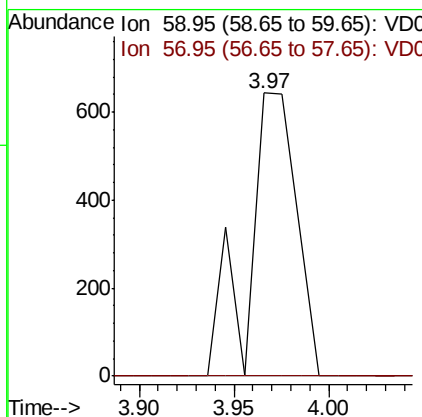
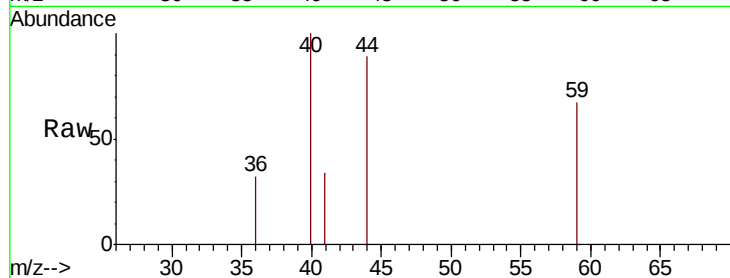


#11

Tert butyl alcohol
 Concen: 3.219 ug/l
 RT: 3.97 min Scan# 248
 Delta R.T. -0.02 min
 Lab File: VD060401.D
 Acq: 16 Nov 2018 16:39

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-11(11-13)

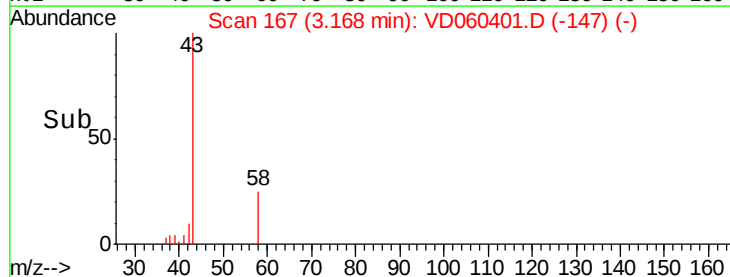
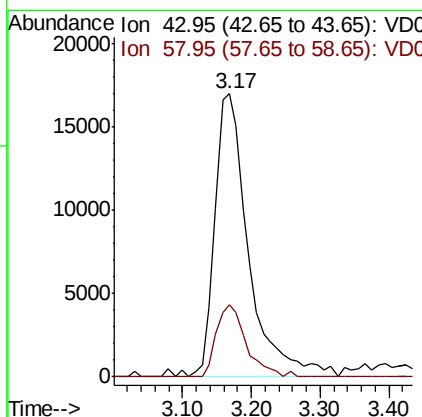
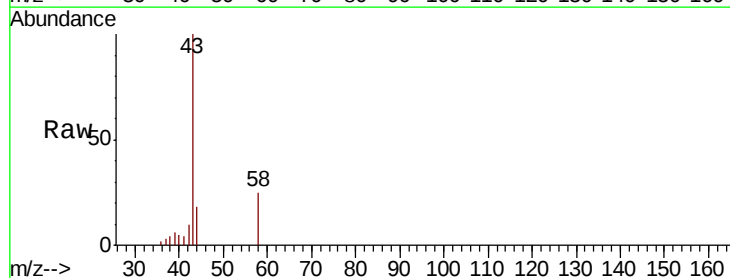
Tot Ion: 59 Resp: 1140
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

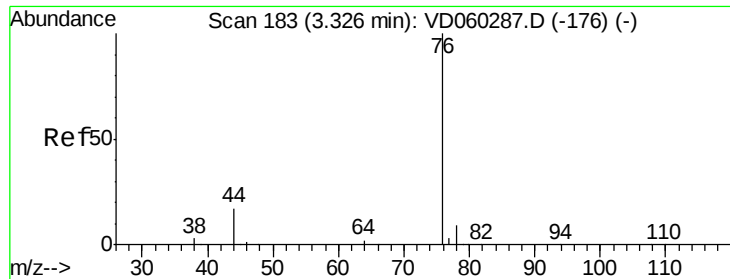


#16

Acetone
 Concen: 38.475 ug/l
 RT: 3.17 min Scan# 167
 Delta R.T. 0.00 min
 Lab File: VD060401.D
 Acq: 16 Nov 2018 16:39

Tgt Ion: 43 Resp: 57552
 Ion Ratio Lower Upper
 43 100
 58 25.3 16.9 25.3#

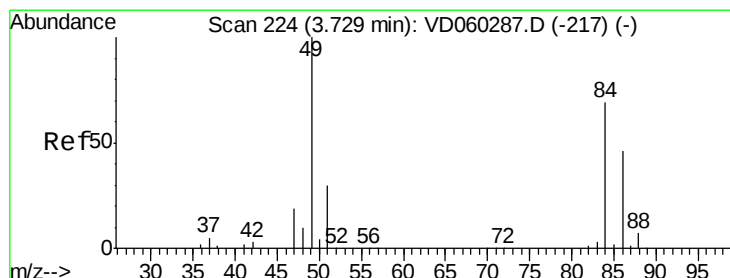
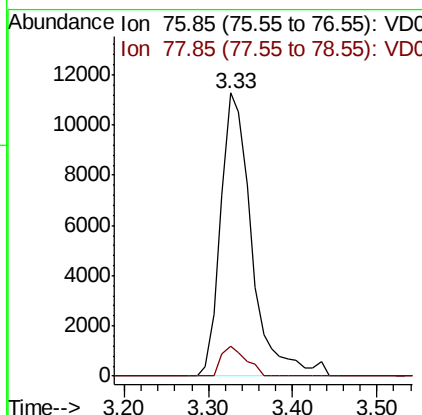
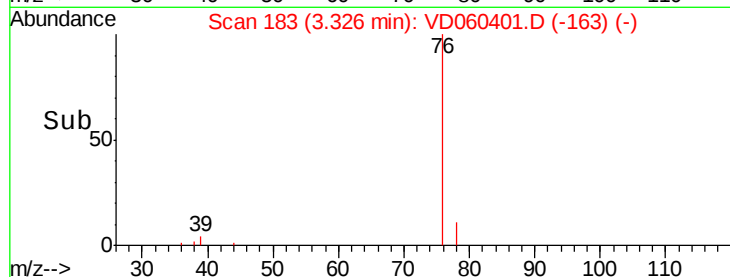
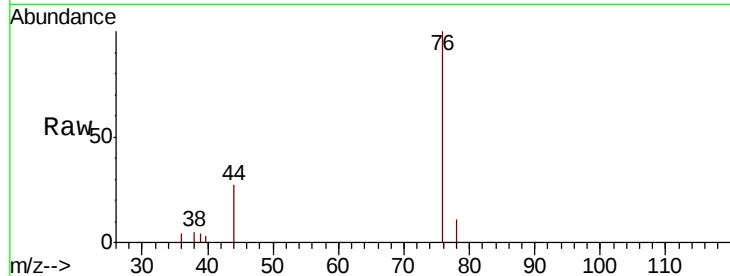




#17
Carbon Disulfide
Concen: 1.526 ug/l
RT: 3.33 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

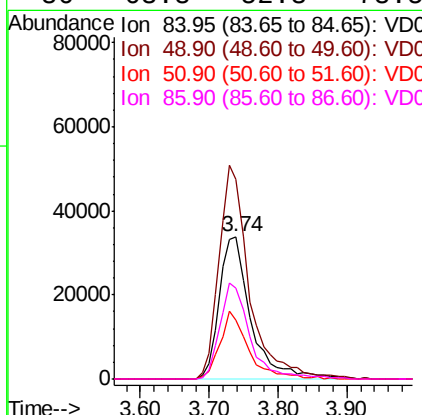
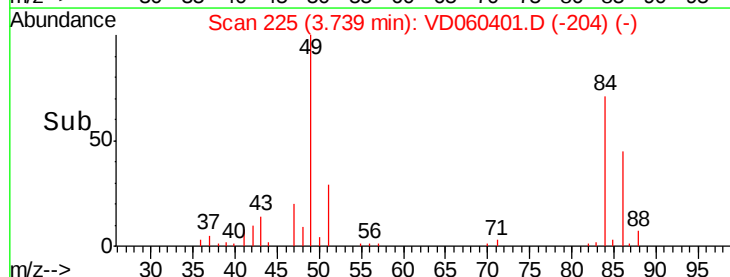
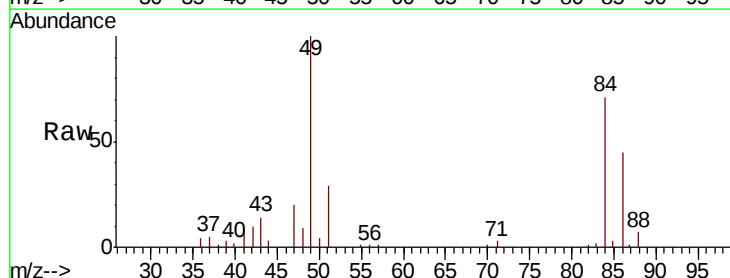
Instrument :
MSVOA_D
ClientSampleId :
FDSB-11(11-13)

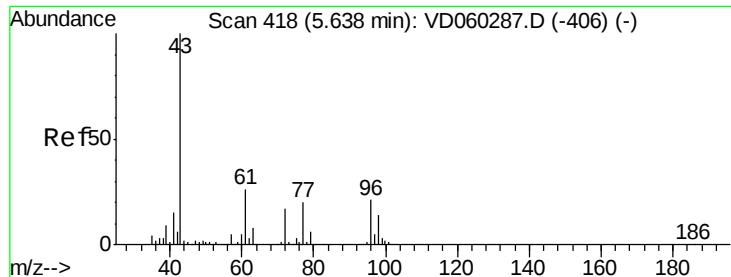
Tot Ion: 76 Resp: 28952
Ion Ratio Lower Upper
76 100
78 10.8 7.0 10.4#



#20
Methylene Chloride
Concen: 8.092 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

Tgt Ion: 84 Resp: 107380
Ion Ratio Lower Upper
84 100
49 140.7 115.6 173.4
51 41.4 35.6 53.4
86 63.8 52.3 78.5





#25

2-Butanone

Concen: 13.141 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

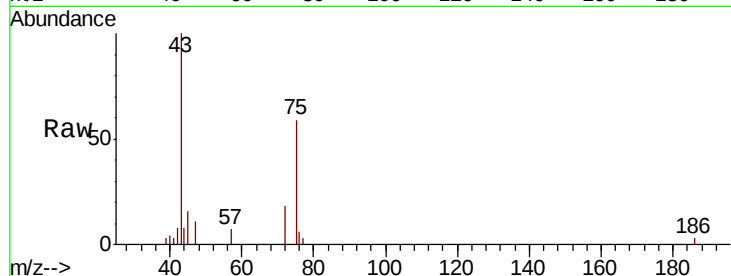
FDSB-11(11-13)

Tot Ion: 43 Resp: 40858

Ion Ratio Lower Upper

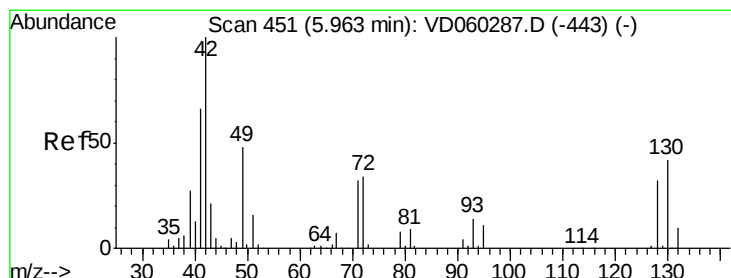
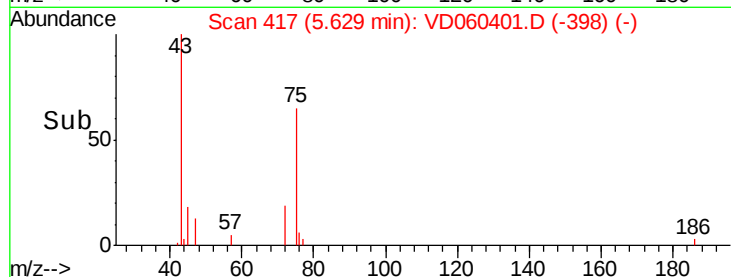
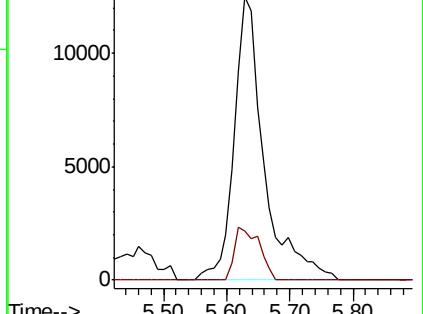
43 100

72 17.5 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: 2.488 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.00 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

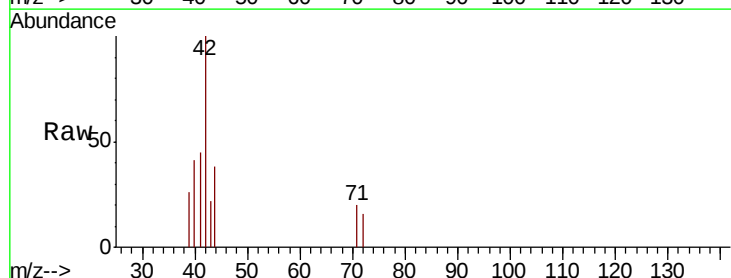
Tgt Ion: 42 Resp: 4078

Ion Ratio Lower Upper

42 100

72 10.9 27.6 41.4#

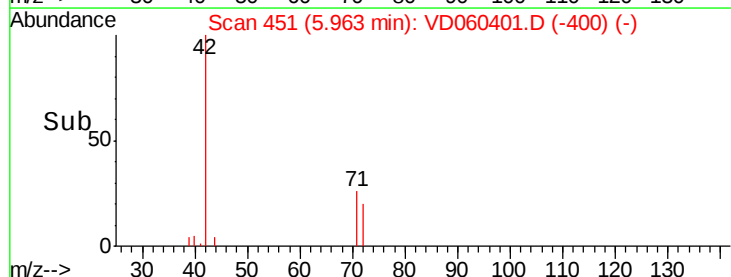
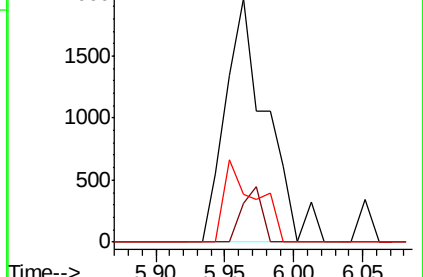
71 25.9 26.5 39.7#

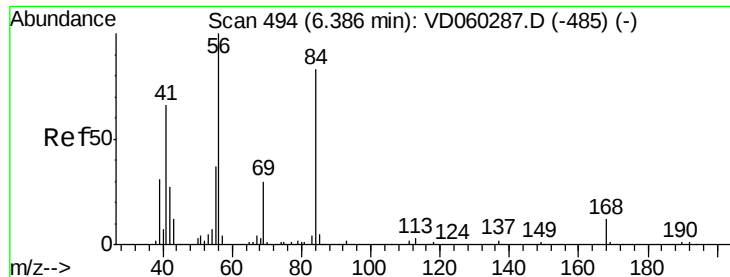


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 3.968 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :
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ClientSampleId :
FDSB-11(11-13)

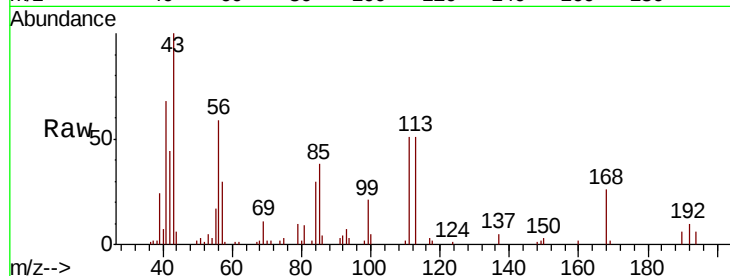
Tot Ion: 56 Resp: 81704

Ion Ratio Lower Upper

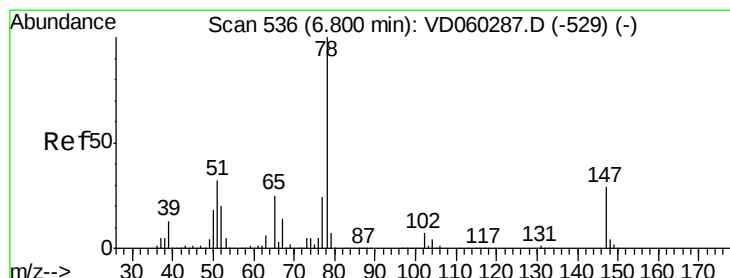
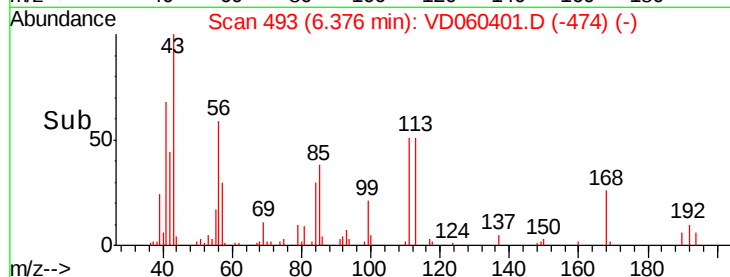
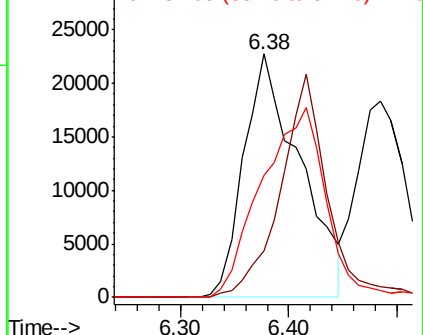
56 100

69 19.3 22.2 33.2#

84 50.0 63.0 94.4#



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



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.00 min

Lab File: VD060401.D

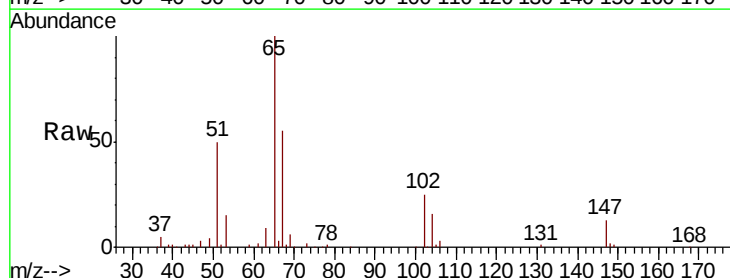
Acq: 16 Nov 2018 16:39

Tgt Ion: 65 Resp: 325419

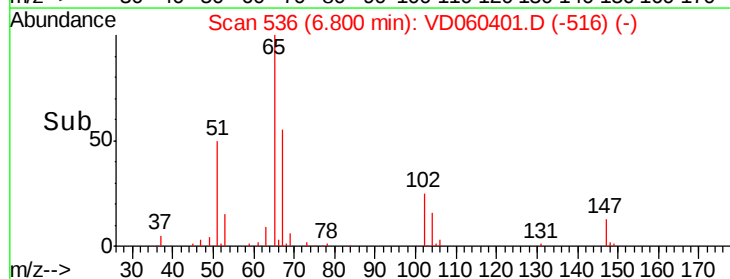
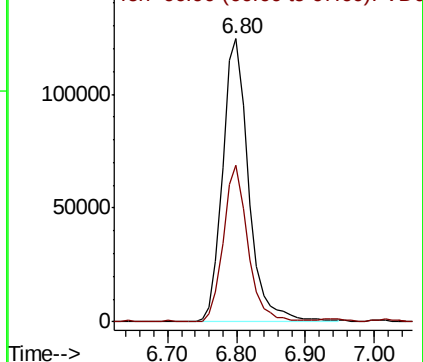
Ion Ratio Lower Upper

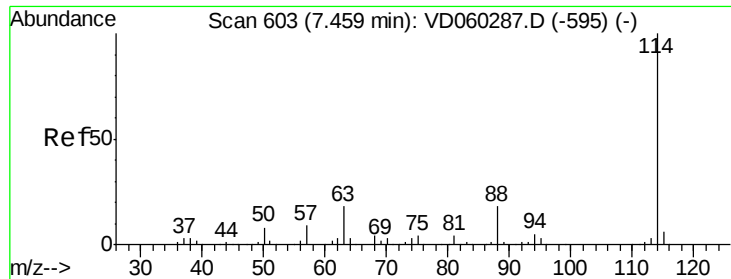
65 100

67 55.2 0.0 109.8



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

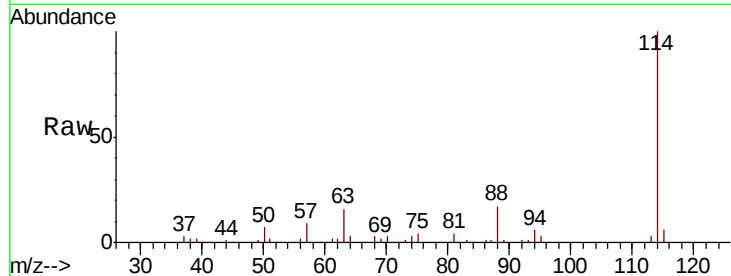




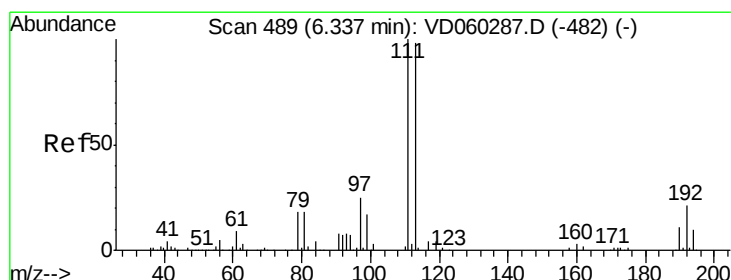
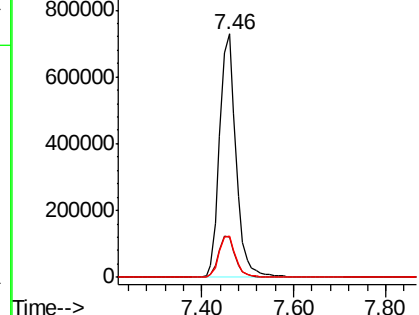
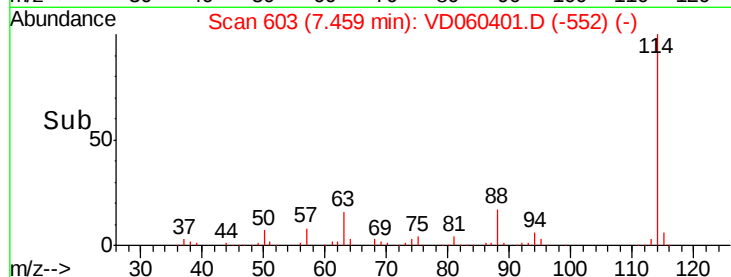
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VD060401.D
 Acq: 16 Nov 2018 16:39

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-11(11-13)

Tot Ion:114 Resp: 1789790
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 34.0
 88 17.0 0.0 35.4

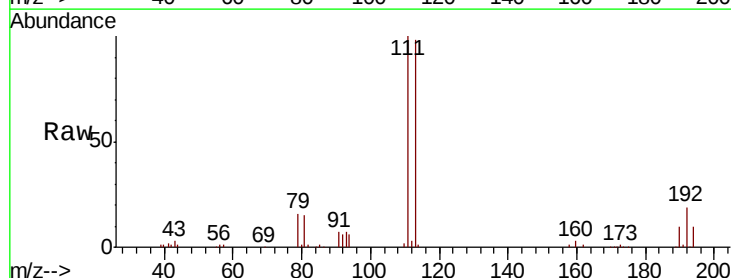


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

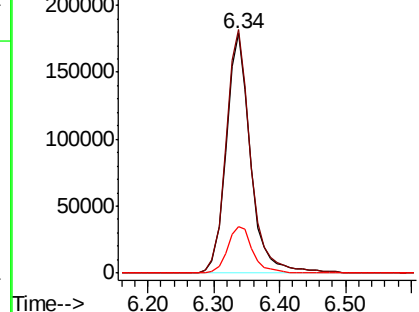
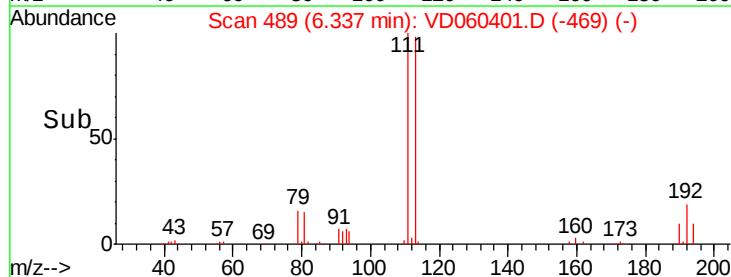


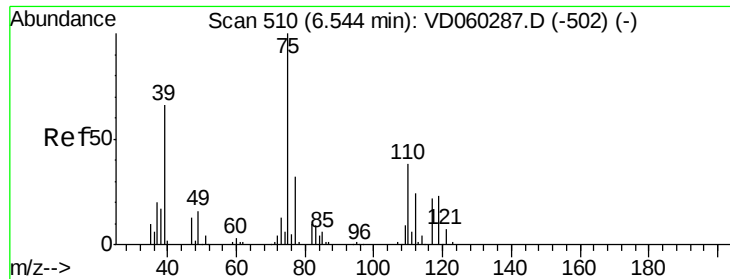
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: VD060401.D
 Acq: 16 Nov 2018 16:39

Tgt Ion:113 Resp: 460354
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.6 122.4
 192 19.5 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: 4.363 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.13 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

FDSB-11(11-13)

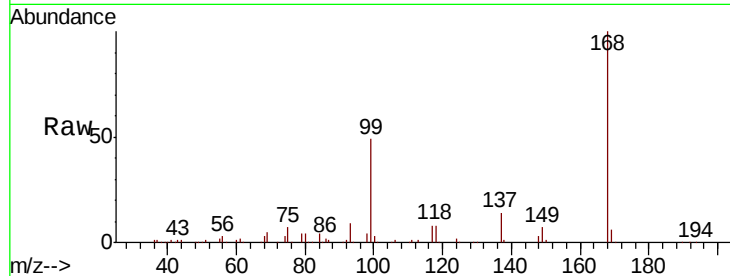
Tot Ion: 75 Resp: 77144

Ion Ratio Lower Upper

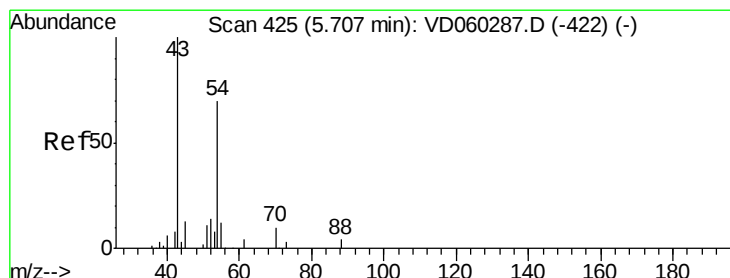
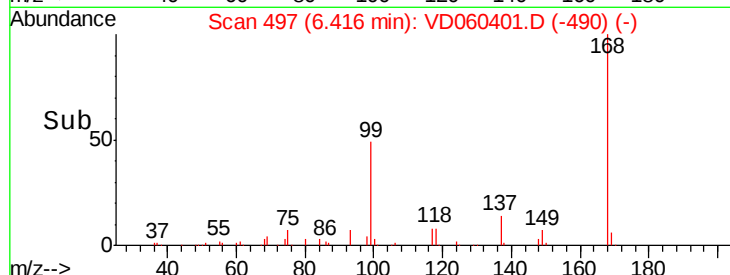
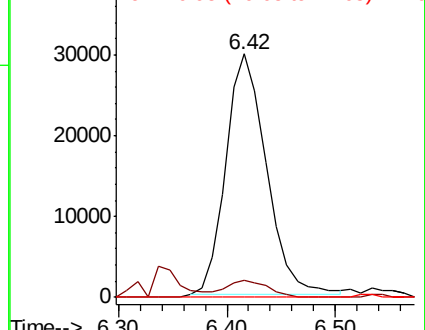
75 100

110 6.9 18.0 54.0#

77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 5.022 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.08 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

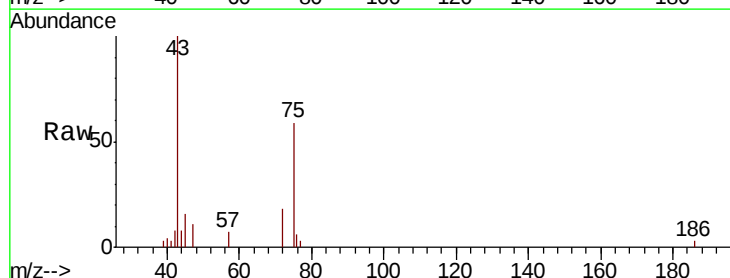
Tgt Ion: 43 Resp: 40860

Ion Ratio Lower Upper

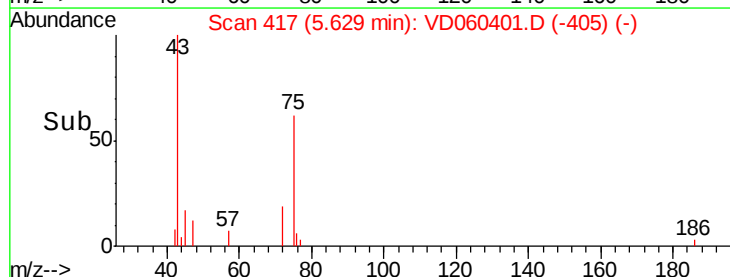
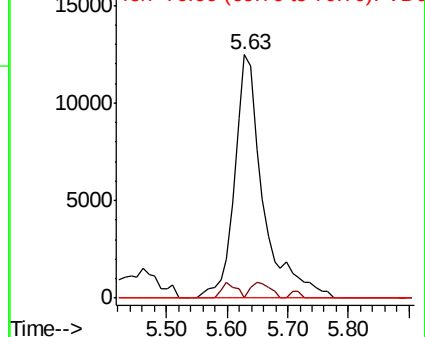
43 100

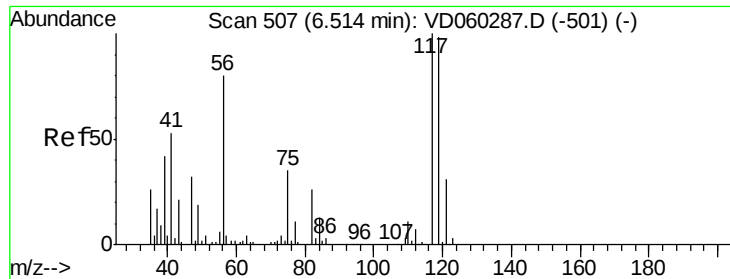
61 0.0 11.8 17.6#

70 0.0 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

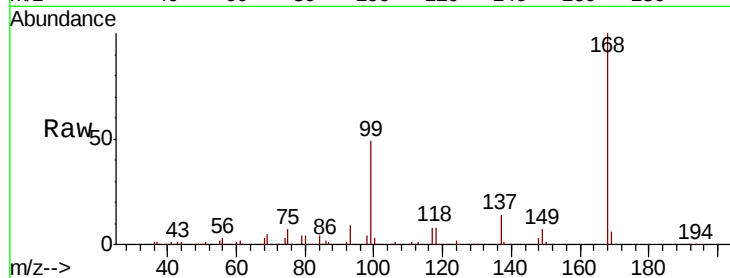




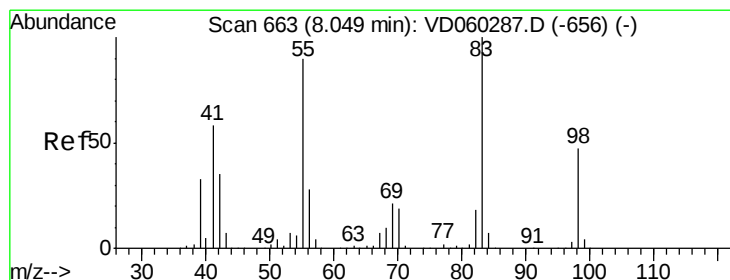
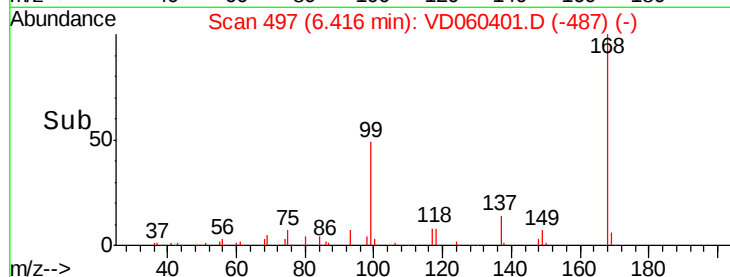
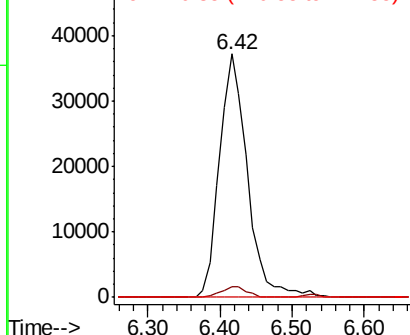
#38
Carbon Tetrachloride
Concen: 6.078 ug/l
RT: 6.42 min Scan# 497
Delta R.T. -0.10 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

Instrument :
MSVOA_D
ClientSampleId :
FDSB-11(11-13)

Tot Ion:117 Resp: 99703
Ion Ratio Lower Upper
117 100
119 4.6 76.6 115.0#
121 0.0 24.3 36.5#

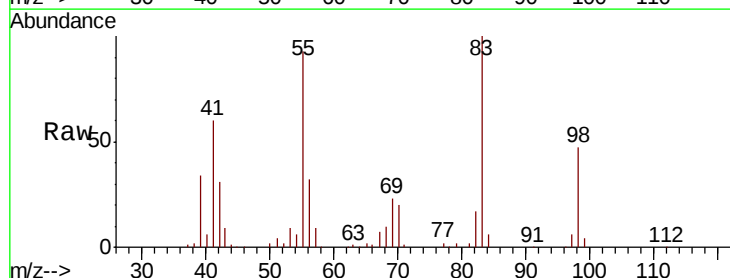


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

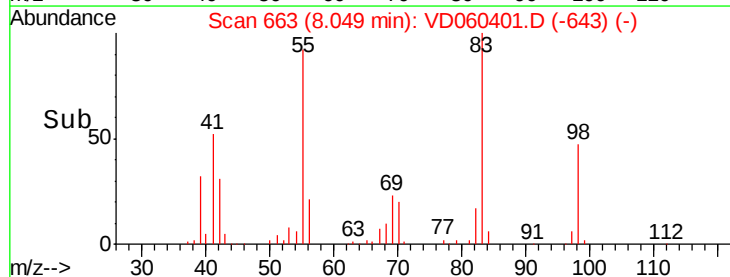
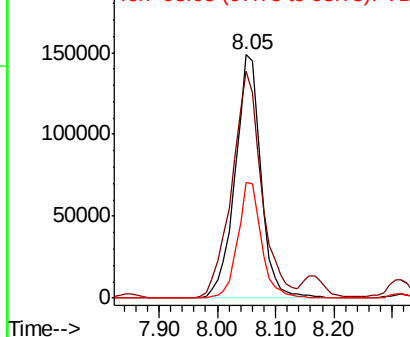


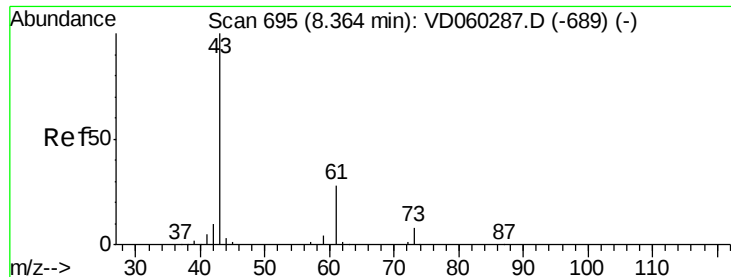
#39
Methylcyclohexane
Concen: 22.423 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.00 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

Tgt Ion: 83 Resp: 456037
Ion Ratio Lower Upper
83 100
55 93.3 71.2 106.8
98 47.4 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





#43

Isopropyl Acetate

Concen: 12.765 ug/l

RT: 8.41 min Scan# 700

Delta R.T. 0.05 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

FDSB-11(11-13)

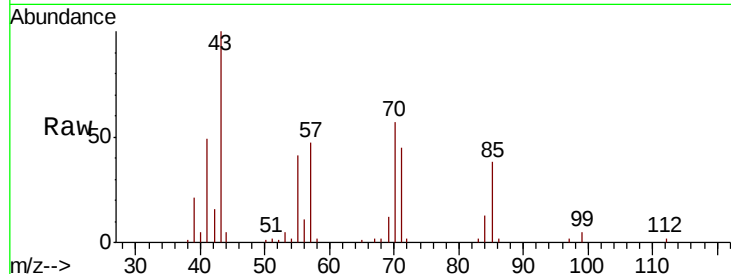
Tot Ion: 43 Resp: 130472

Ion Ratio Lower Upper

43 100

61 0.0 22.3 33.5#

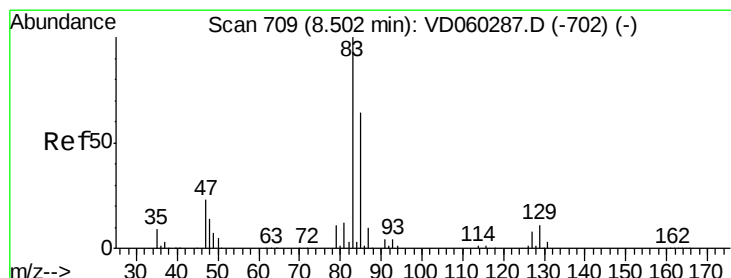
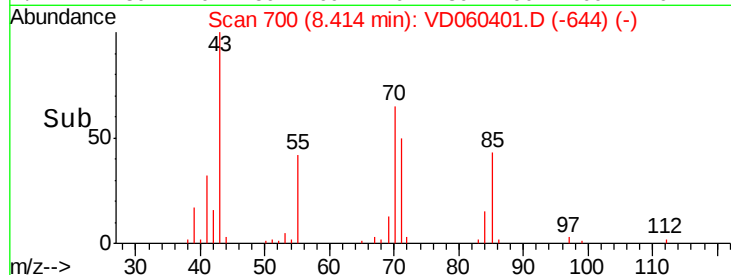
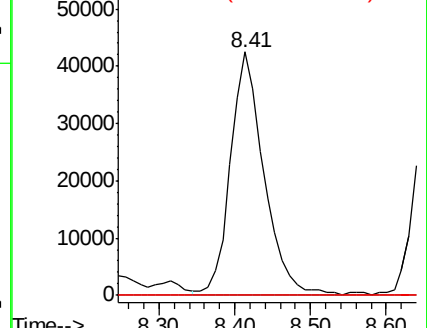
87 0.0 0.2 0.2#



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



#47

Bromodichloromethane

Concen: 1.167 ug/l

RT: 8.44 min Scan# 703

Delta R.T. -0.06 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

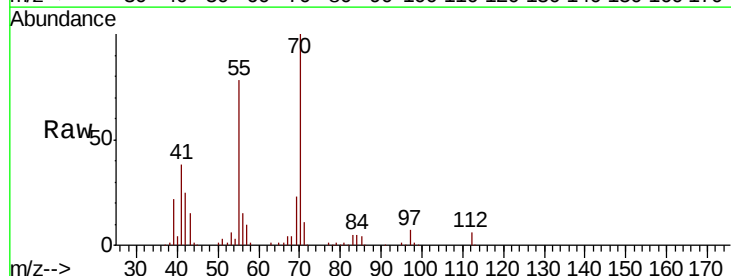
Tgt Ion: 83 Resp: 18338

Ion Ratio Lower Upper

83 100

85 92.8 51.0 76.6#

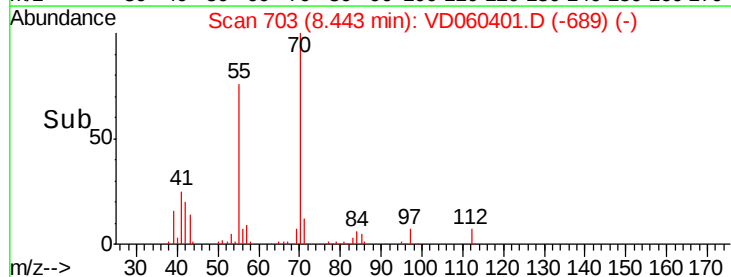
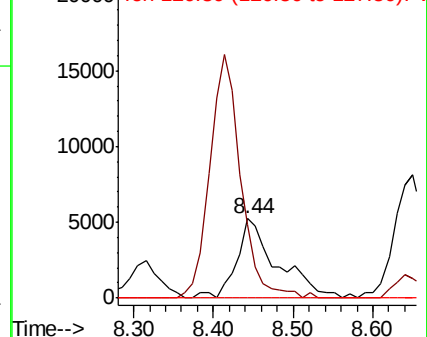
127 0.0 6.2 9.4#

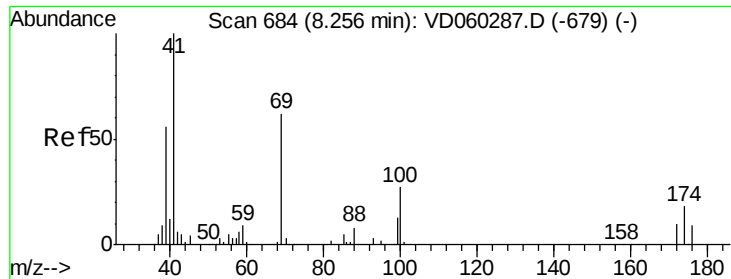


Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): V

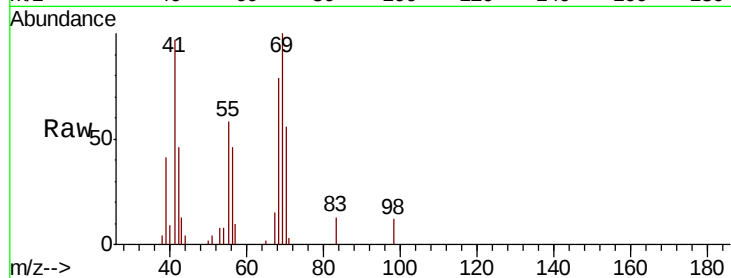




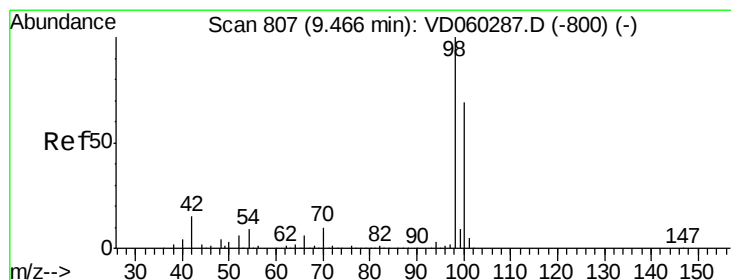
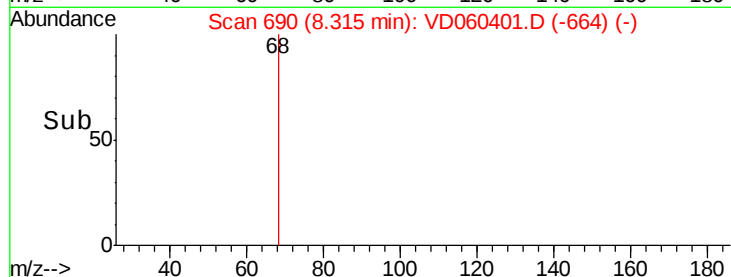
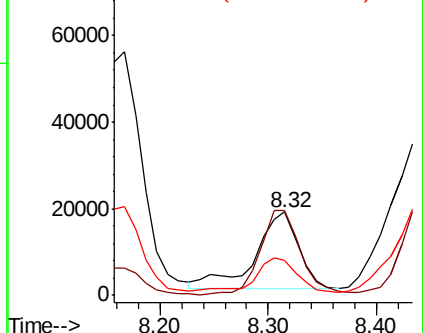
#48
Methyl methacrylate
Concen: 8.034 ug/l
RT: 8.32 min Scan# 690
Delta R.T. 0.06 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

Instrument :
MSVOA_D
ClientSampleID :
FDSB-11(11-13)

Tot Ion: 41 Resp: 49876
Ion Ratio Lower Upper
41 100
69 102.7 47.0 70.4#
39 41.9 46.2 69.4#

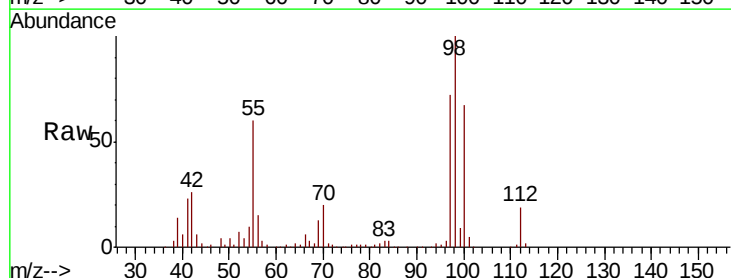


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

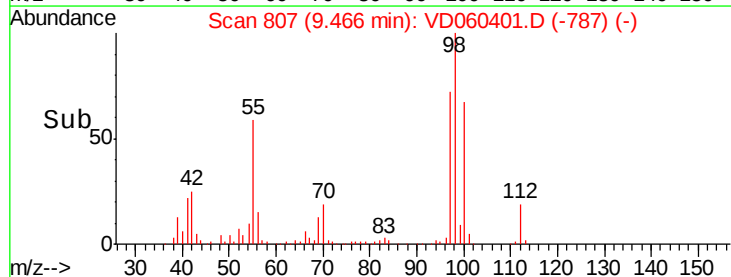
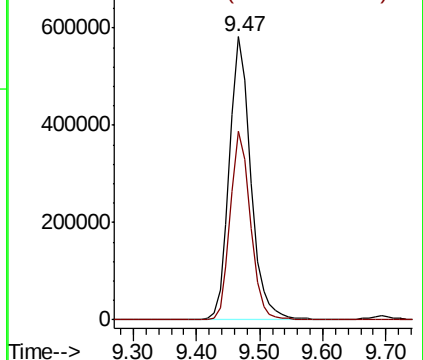


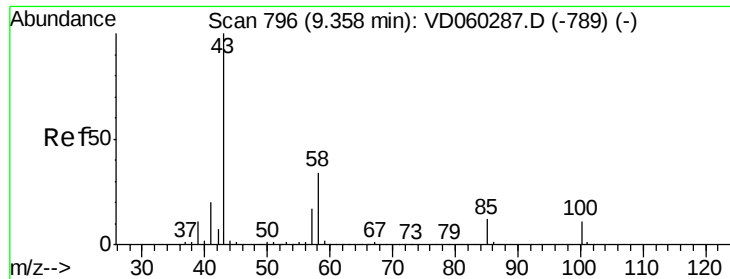
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.00 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

Tgt Ion: 98 Resp: 1367008
Ion Ratio Lower Upper
98 100
100 66.9 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: 19.464 ug/l

RT: 9.46 min Scan# 806

Delta R.T. 0.10 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

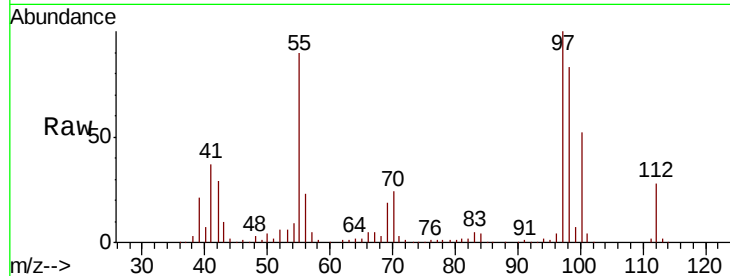
FDSB-11(11-13)

Tot Ion: 43 Resp: 129477

Ion Ratio Lower Upper

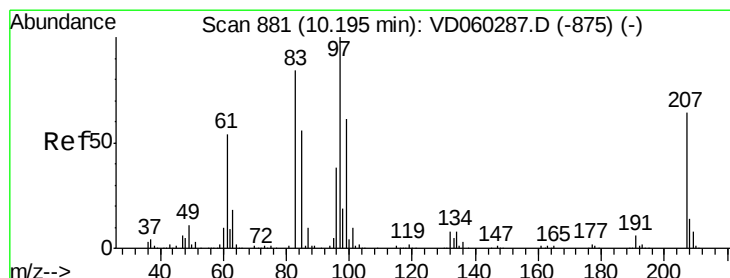
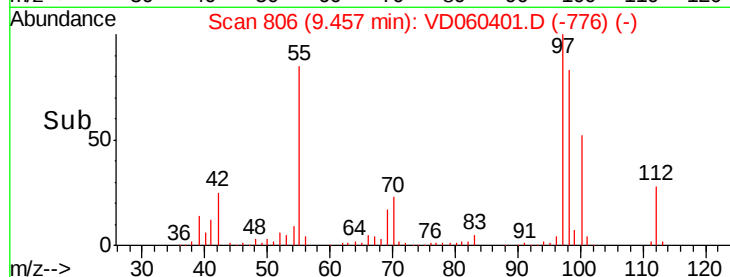
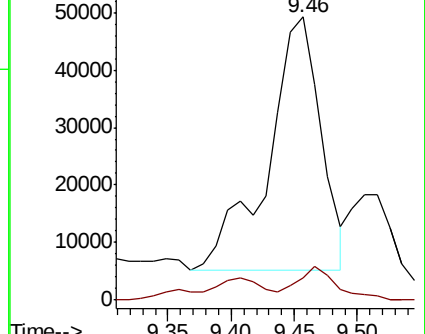
43 100

58 8.1 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: 2.521 ug/l

RT: 10.25 min Scan# 887

Delta R.T. 0.06 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Tgt Ion: 97 Resp: 21064

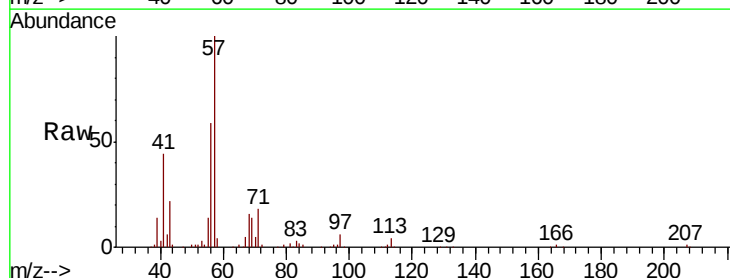
Ion Ratio Lower Upper

97 100

83 45.2 68.4 102.6#

85 11.8 46.8 70.2#

99 0.0 49.5 74.3#

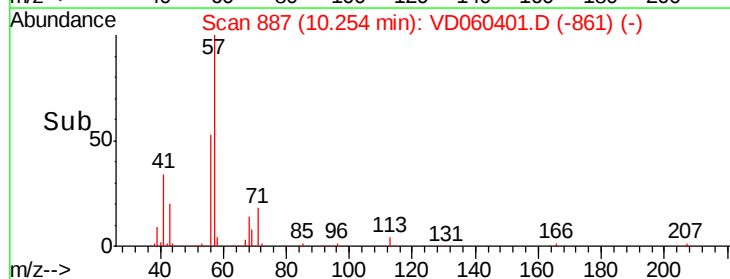
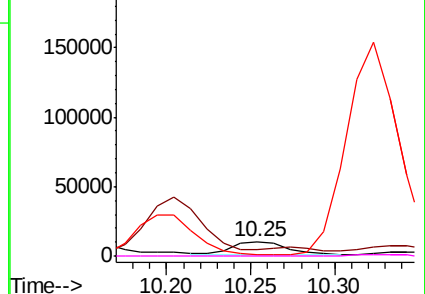


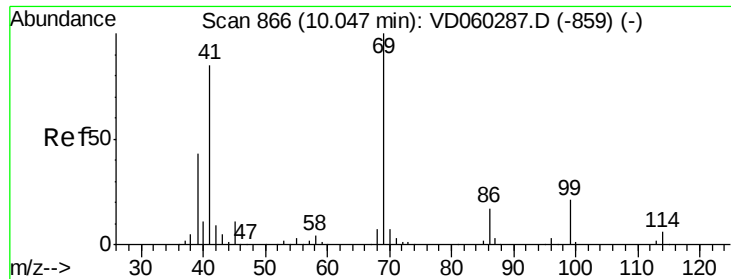
Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 13.710 ug/l

RT: 10.12 min Scan# 873

Delta R.T. 0.07 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

FDSB-11(11-13)

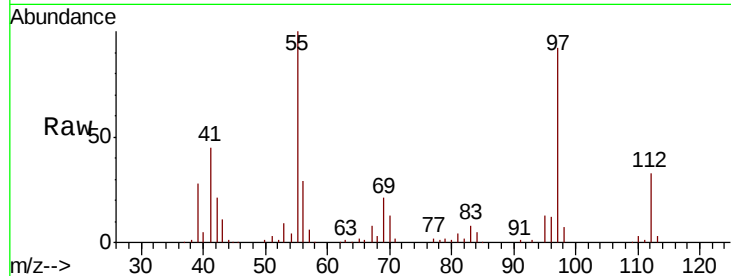
Tot Ion: 69 Resp: 105341

Ion Ratio Lower Upper

69 100

41 214.5 69.0 103.4#

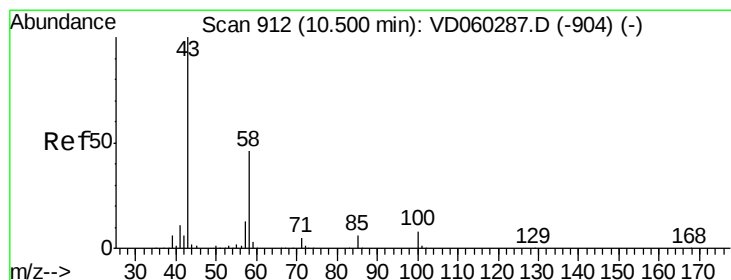
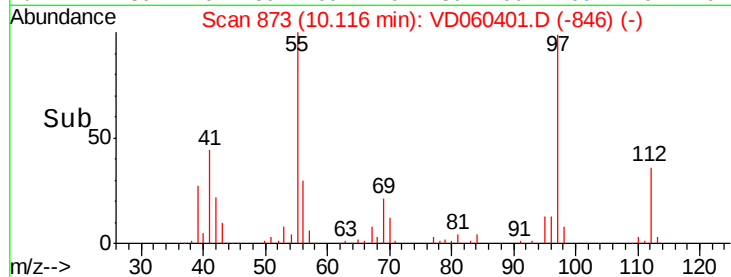
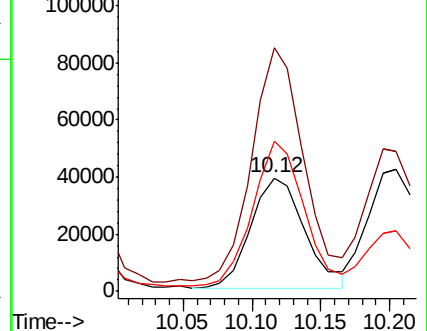
39 132.6 36.6 54.8#



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



#59

2-Hexanone

Concen: 475.482 ug/l

RT: 10.46 min Scan# 908

Delta R.T. -0.04 min

Lab File: VD060401.D

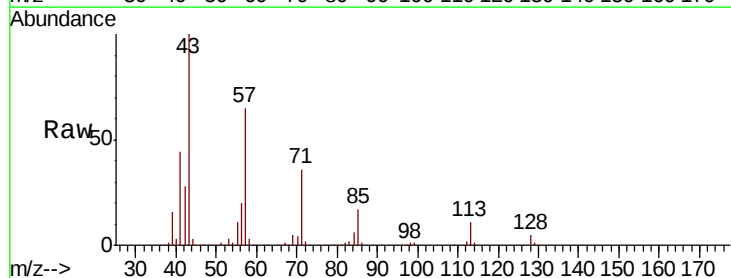
Acq: 16 Nov 2018 16:39

Tgt Ion: 43 Resp: 2254413

Ion Ratio Lower Upper

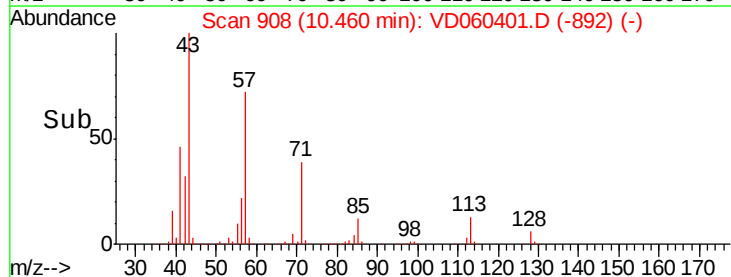
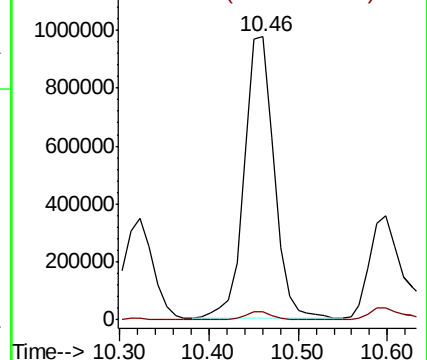
43 100

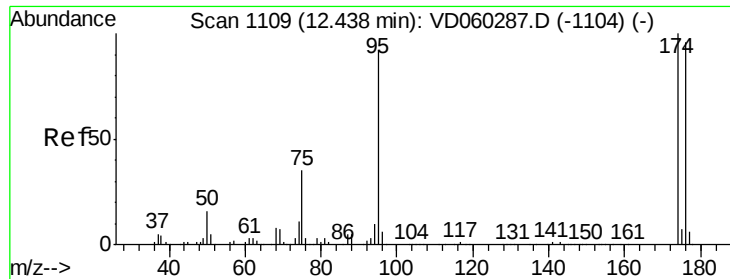
58 2.7 22.9 68.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

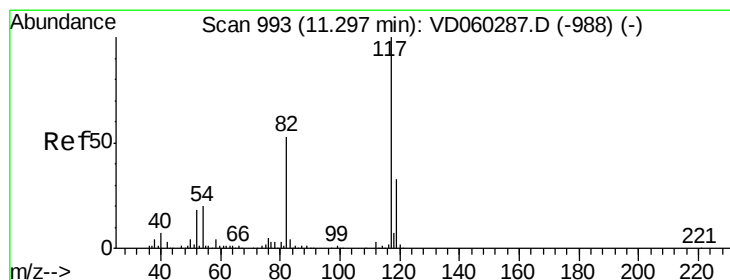
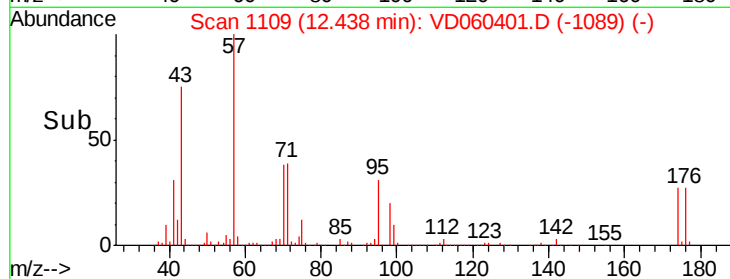
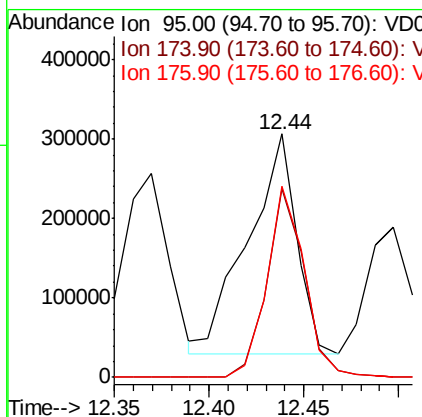
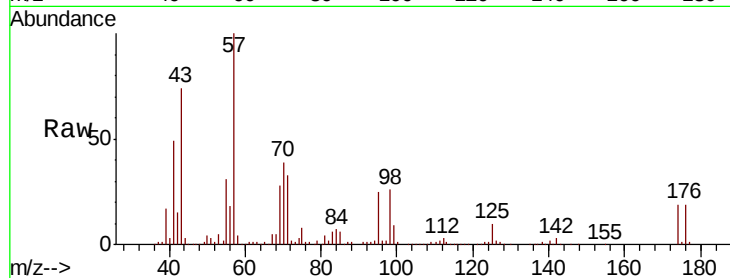




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.44 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

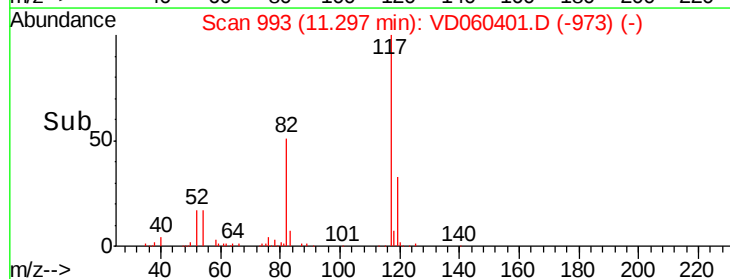
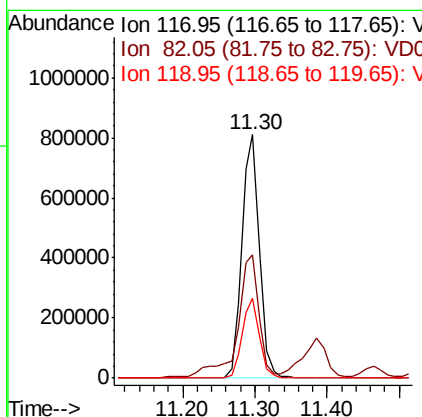
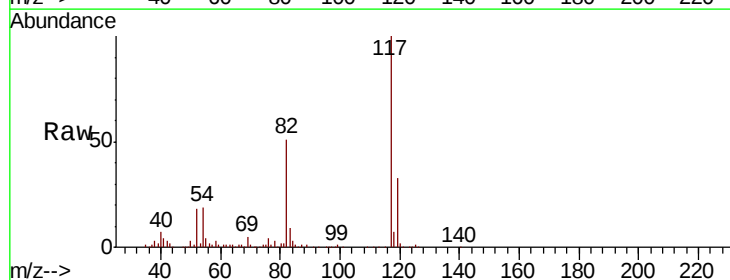
Instrument :
MSVOA_D
ClientSampleId :
FDSB-11(11-13)

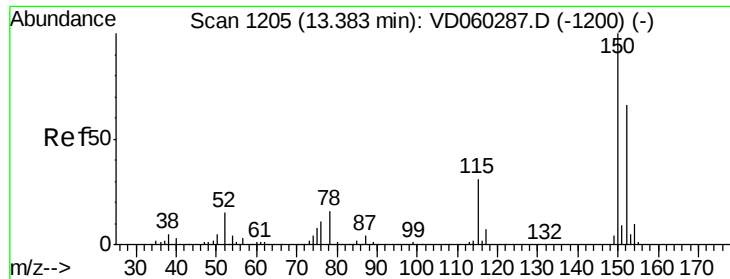
Tot Ion: 95 Resp: 489940
Ion Ratio Lower Upper
95 100
174 77.6 0.0 160.8
176 78.7 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

Tgt Ion: 117 Resp: 1365326
Ion Ratio Lower Upper
117 100
82 50.8 43.7 65.5
119 32.6 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

FDSB-11(11-13)

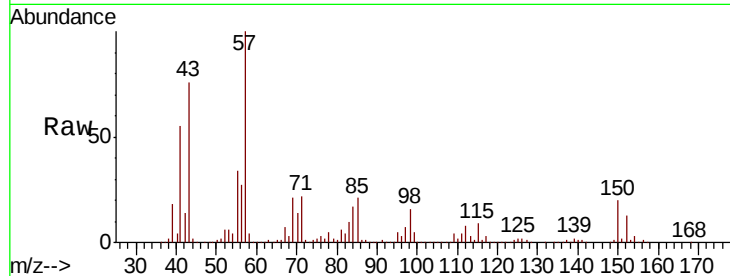
Tot Ion:152 Resp: 474224

Ion Ratio Lower Upper

152 100

115 68.1 24.1 72.3

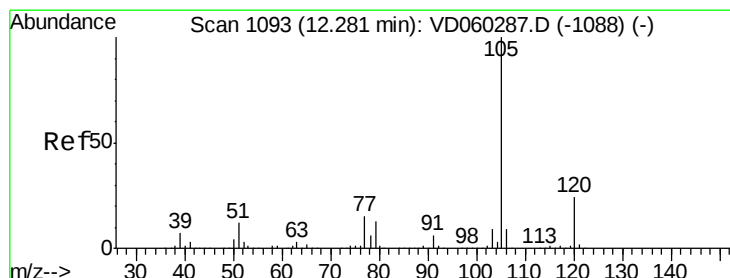
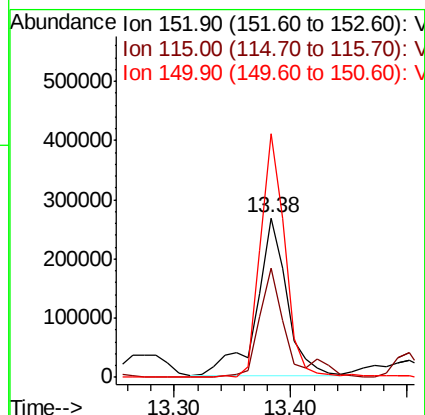
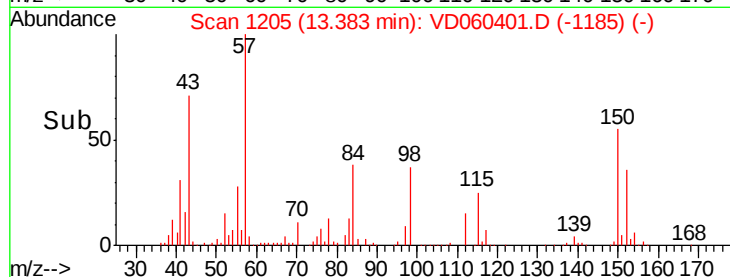
150 152.5 0.0 310.6



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: 43.549 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060401.D

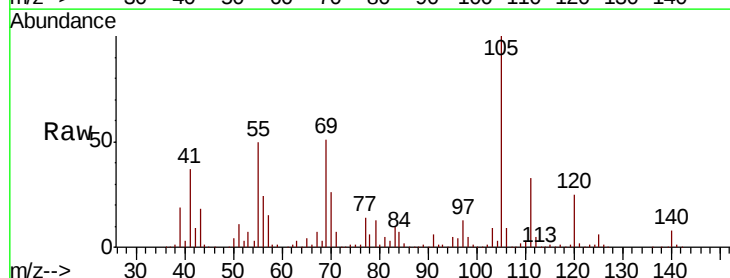
Acq: 16 Nov 2018 16:39

Tgt Ion:105 Resp: 1504659

Ion Ratio Lower Upper

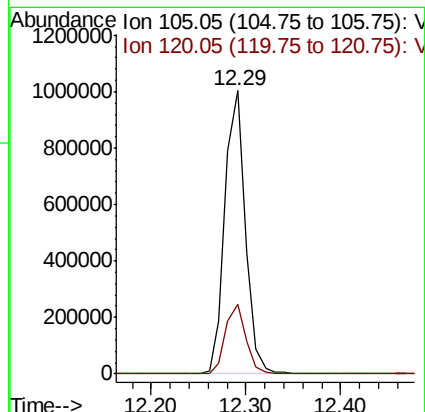
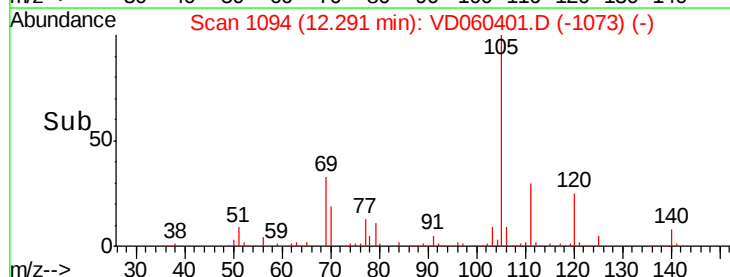
105 100

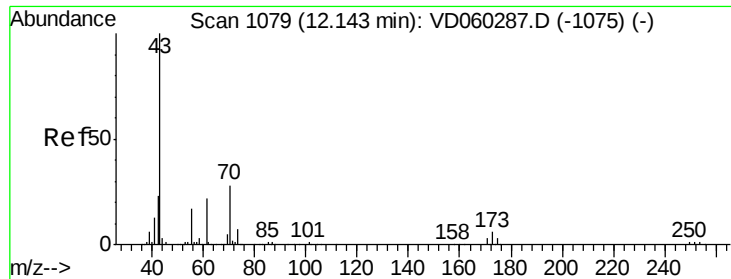
120 24.6 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 242.487 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.04 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

FDSB-11(11-13)

Tot Ion: 43 Resp: 2147963

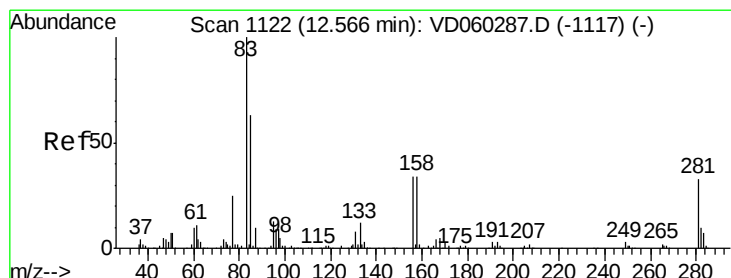
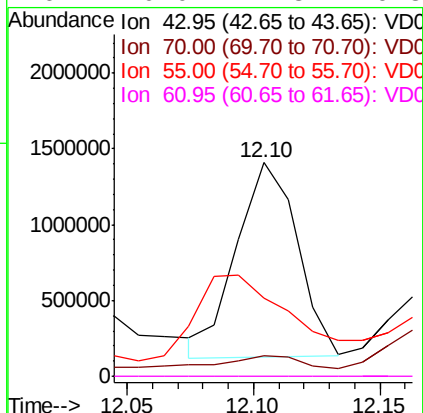
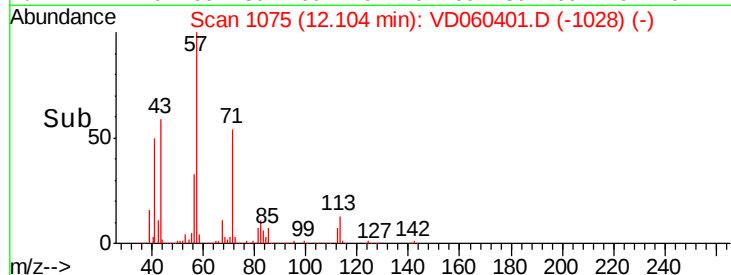
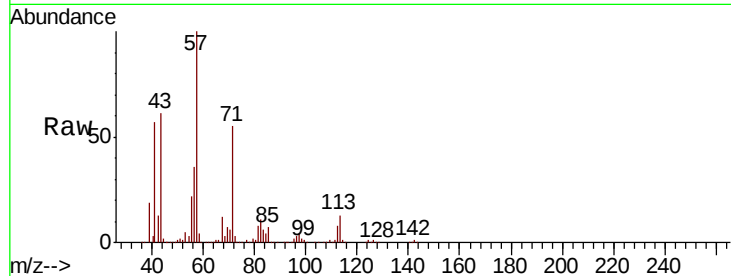
Ion Ratio Lower Upper

43 100

70 9.8 23.0 34.4#

55 36.4 14.2 21.4#

61 0.0 17.8 26.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 17.662 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

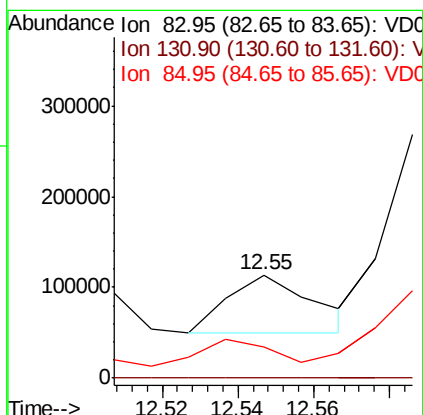
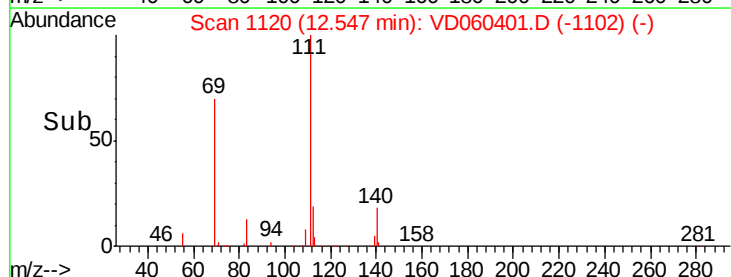
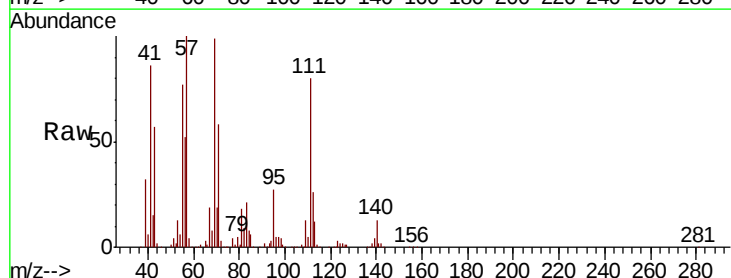
Tgt Ion: 83 Resp: 99799

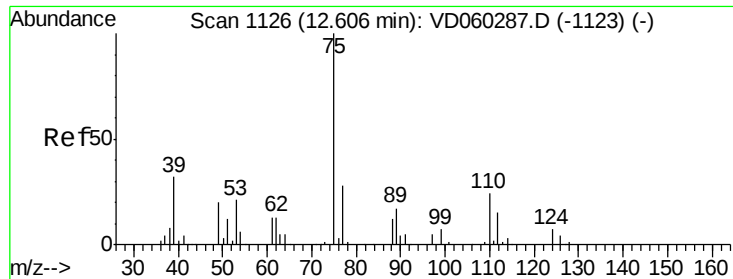
Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.5#

85 30.2 32.0 96.0#

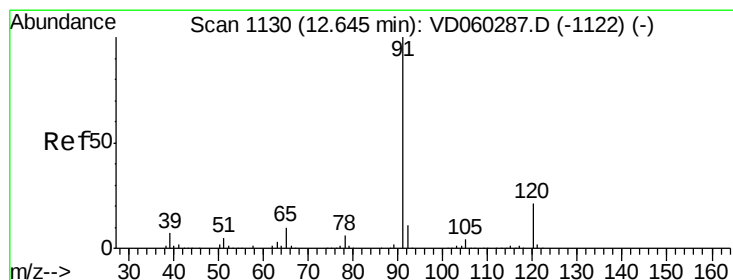
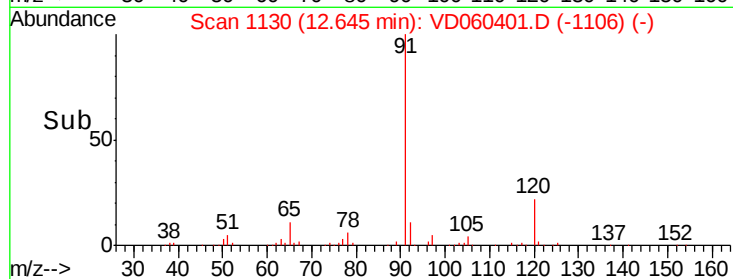
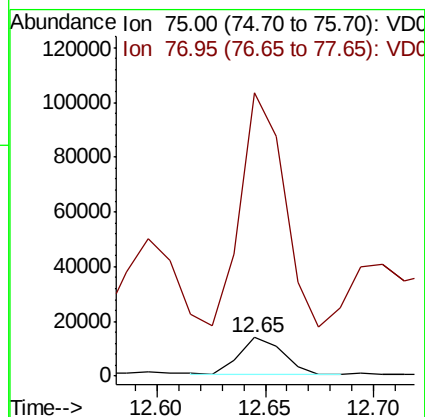
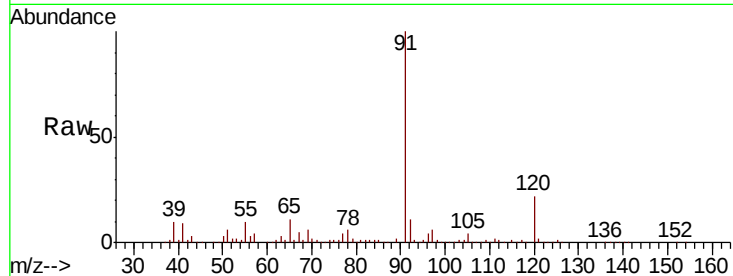




#76
 1,2,3-Trichloropropane
 Concen: 3.318 ug/l
 RT: 12.65 min Scan# 1130
 Delta R.T. 0.04 min
 Lab File: VD060401.D
 Acq: 16 Nov 2018 16:39

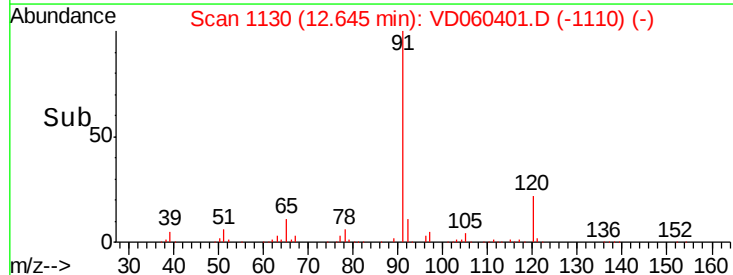
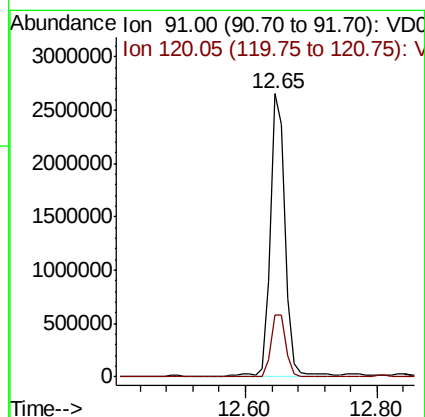
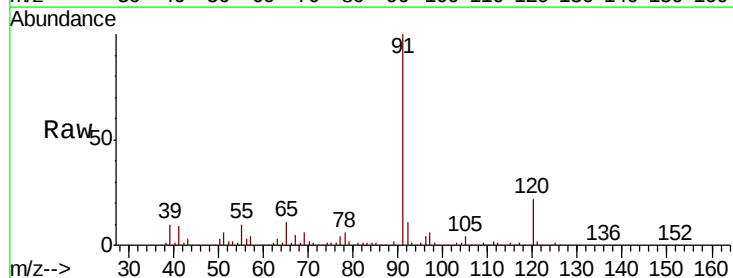
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-11(11-13)

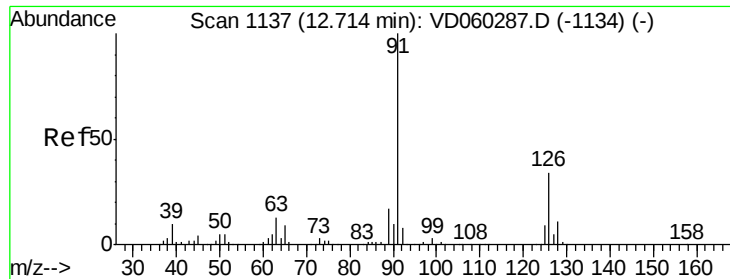
Tot Ion: 75 Resp: 18823
 Ion Ratio Lower Upper
 75 100
 77 728.6 16.4 49.1#



#78
 n-propylbenzene
 Concen: 95.924 ug/l
 RT: 12.65 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VD060401.D
 Acq: 16 Nov 2018 16:39

Tgt Ion: 91 Resp: 4136779
 Ion Ratio Lower Upper
 91 100
 120 21.8 10.4 31.4

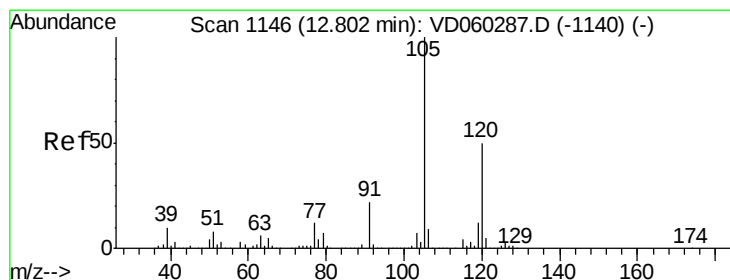
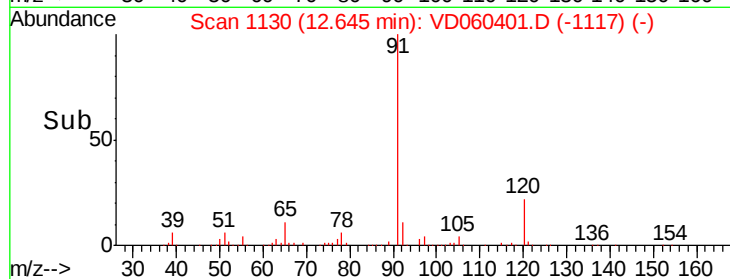
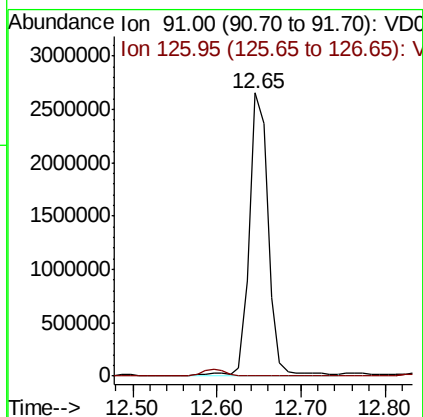
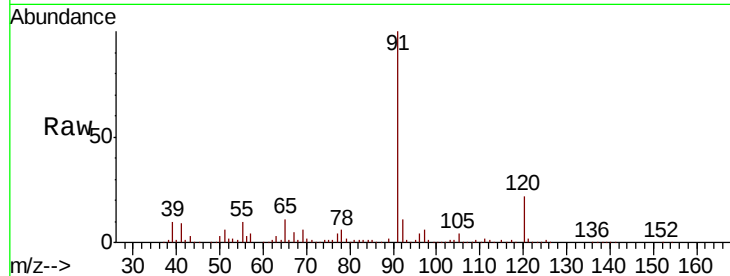




#79
 2-Chlorotoluene
 Concen: 174.089 ug/l
 RT: 12.65 min Scan# 1130
 Delta R.T. -0.07 min
 Lab File: VD060401.D
 Acq: 16 Nov 2018 16:39

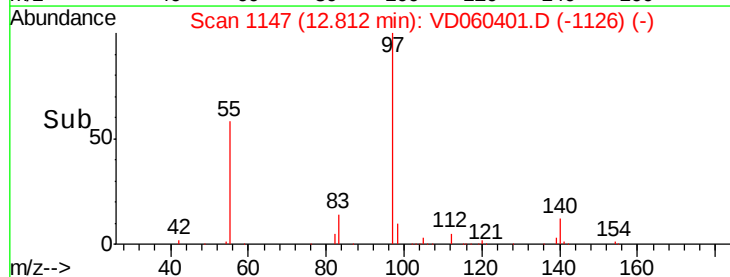
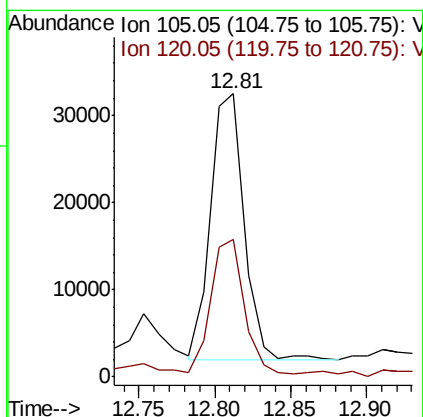
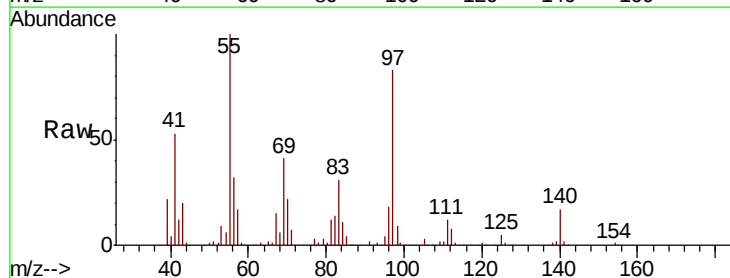
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-11(11-13)

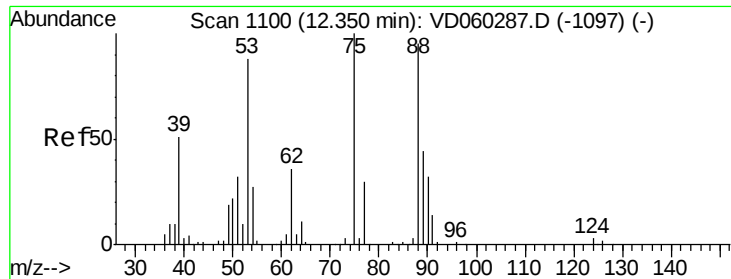
Tot Ion: 91 Resp: 4111920
 Ion Ratio Lower Upper
 91 100
 126 0.1 17.4 52.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.761 ug/l
 RT: 12.81 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: VD060401.D
 Acq: 16 Nov 2018 16:39

Tgt Ion:105 Resp: 47289
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.4 73.4

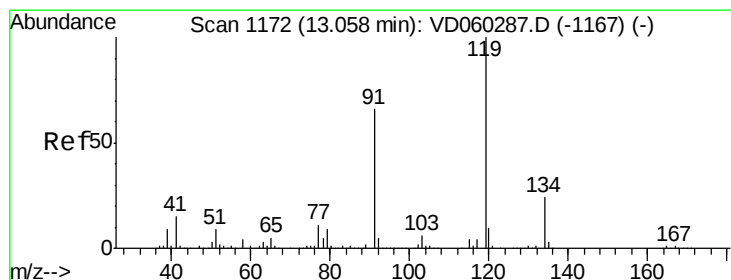
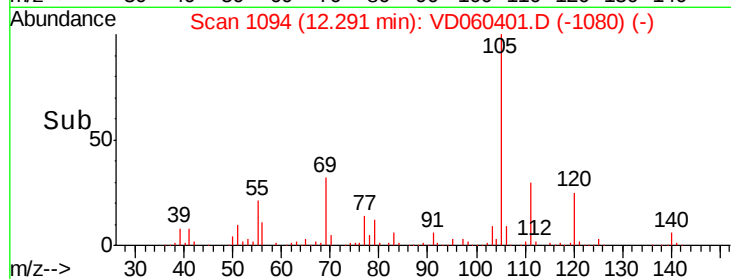
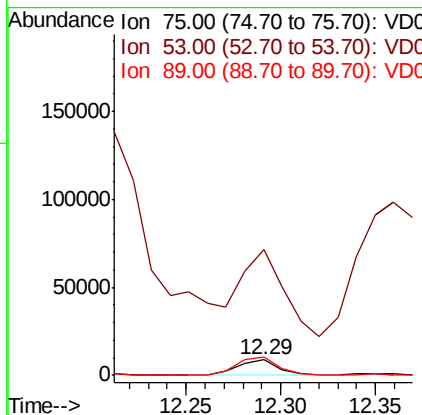
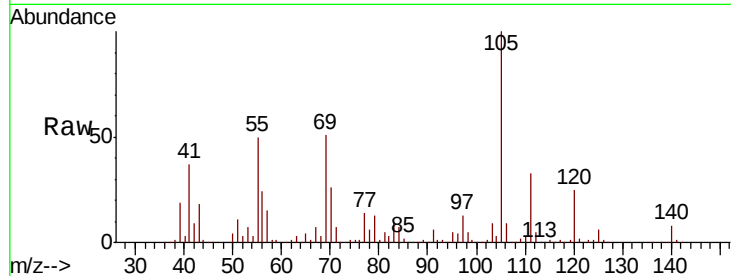




#81
 trans-1,4-Dichloro-2-butene
 Concen: 8.457 ug/l
 RT: 12.29 min Scan# 1094
 Delta R.T. -0.06 min
 Lab File: VD060401.D
 Acq: 16 Nov 2018 16:39

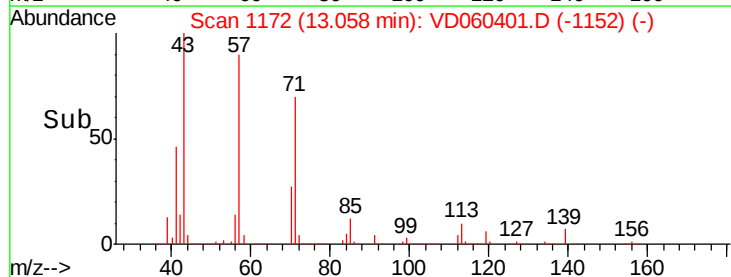
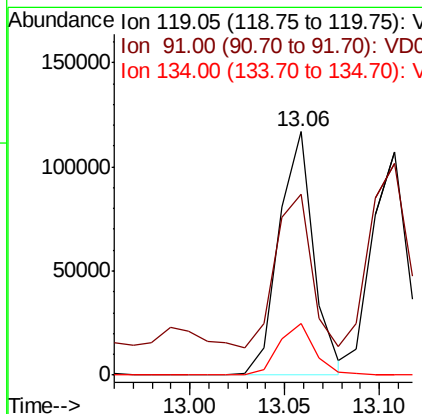
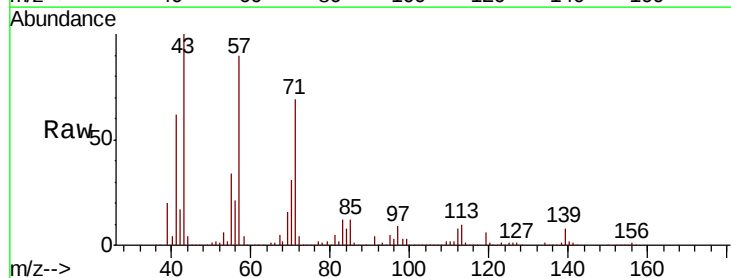
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-11(11-13)

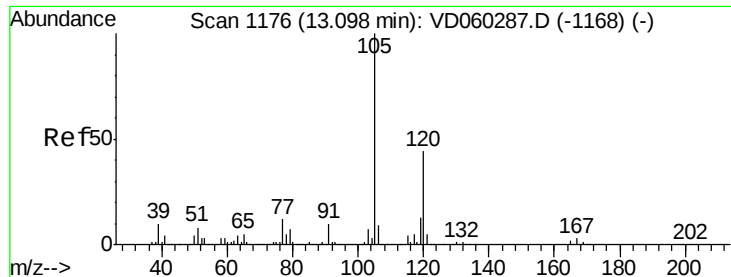
Tot Ion: 75 Resp: 13659
 Ion Ratio Lower Upper
 75 100
 53 818.1 68.6 103.0#
 89 115.5 34.1 51.1#



#83
 tert-Butylbenzene
 Concen: 4.984 ug/l
 RT: 13.06 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VD060401.D
 Acq: 16 Nov 2018 16:39

Tgt Ion: 119 Resp: 148578
 Ion Ratio Lower Upper
 119 100
 91 74.3 32.7 98.1
 134 21.1 12.1 36.3





#84

1,2,4-Trimethylbenzene

Concen: 45.054 ug/l

RT: 13.11 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

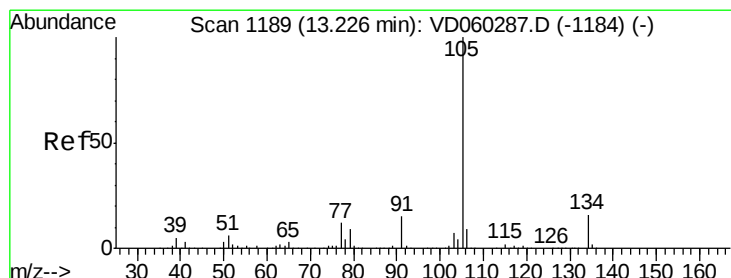
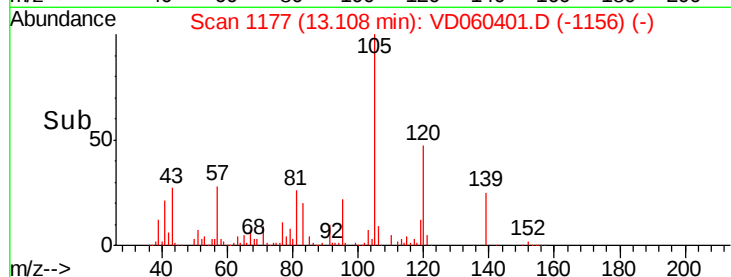
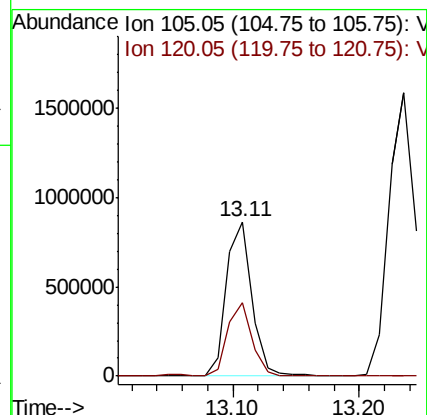
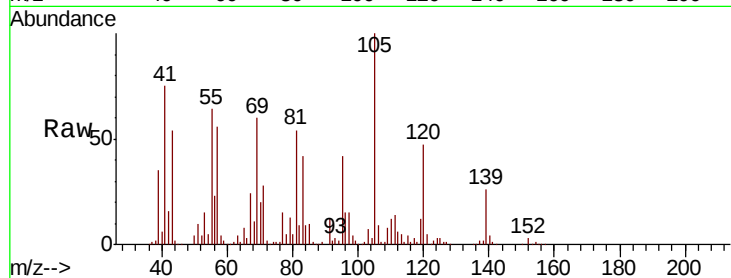
FDSB-11(11-13)

Tot Ion:105 Resp: 1208193

Ion Ratio Lower Upper

105 100

120 47.2 21.9 65.8



#85

sec-Butylbenzene

Concen: 65.913 ug/l

RT: 13.24 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD060401.D

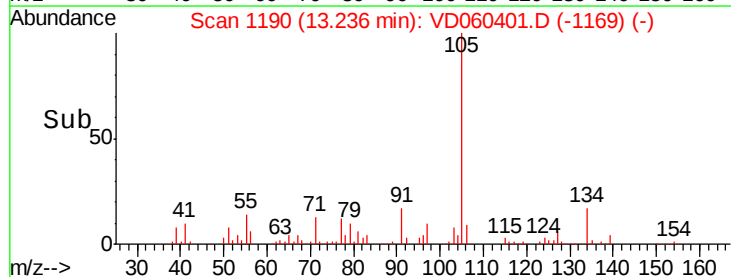
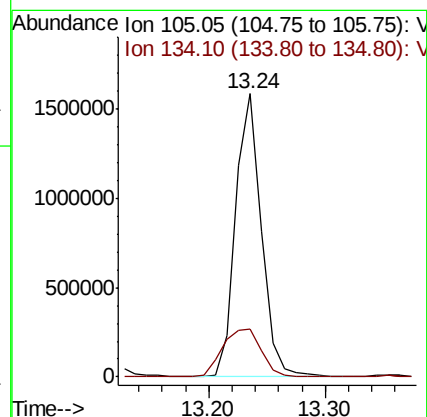
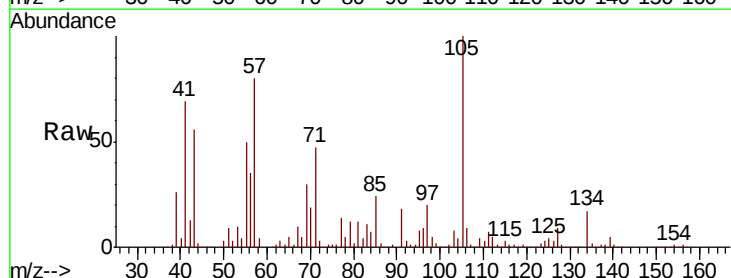
Acq: 16 Nov 2018 16:39

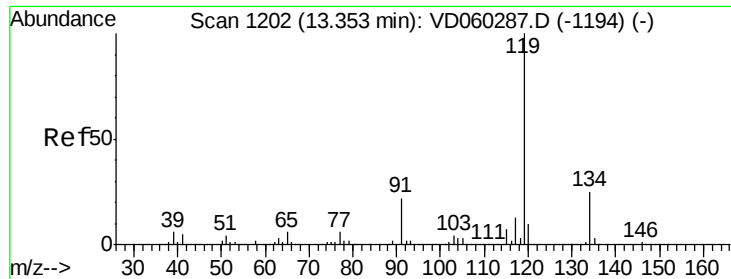
Tgt Ion:105 Resp: 2410706

Ion Ratio Lower Upper

105 100

134 16.8 8.0 24.0

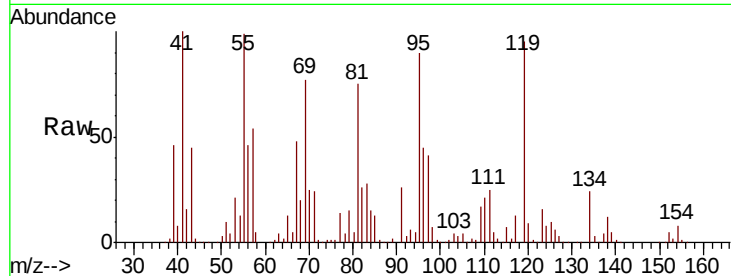




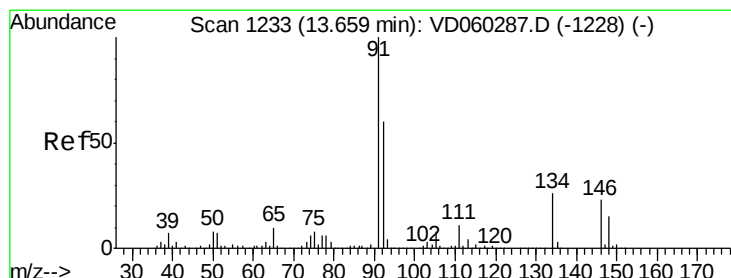
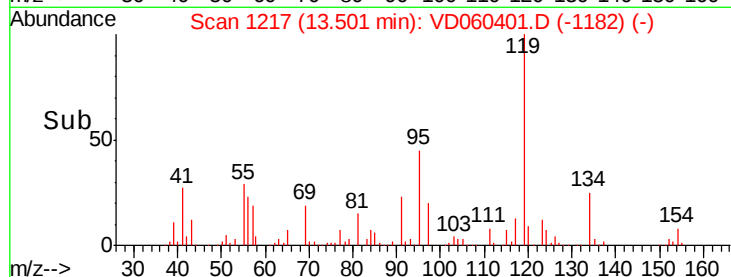
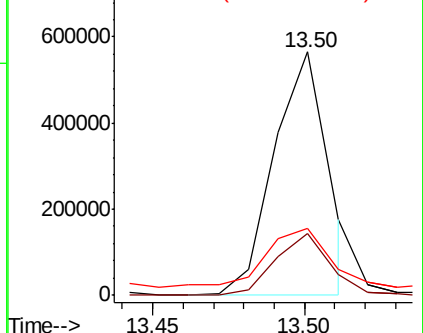
#86
p-Isopropyltoluene
Concen: 23.615 ug/l
RT: 13.50 min Scan# 1217
Delta R.T. 0.15 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

Instrument :
MSVOA_D
ClientSampleId :
FDSB-11(11-13)

Tot Ion:119 Resp: 695551
Ion Ratio Lower Upper
119 100
134 25.3 12.9 38.6
91 27.6 11.3 33.8

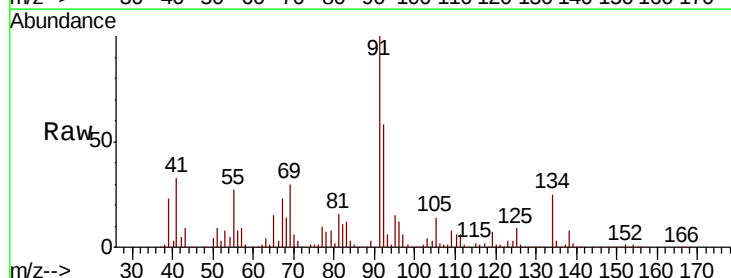


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 134.10 (133.80 to 134.80): V
Ion 91.00 (90.70 to 91.70): V

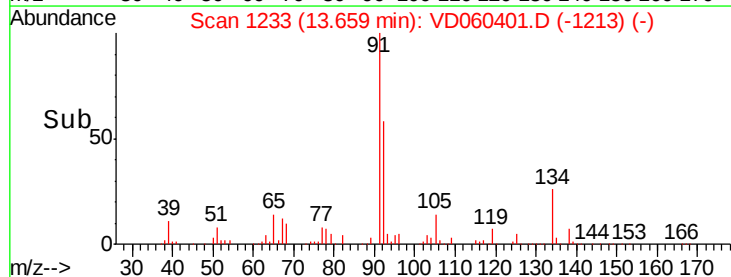
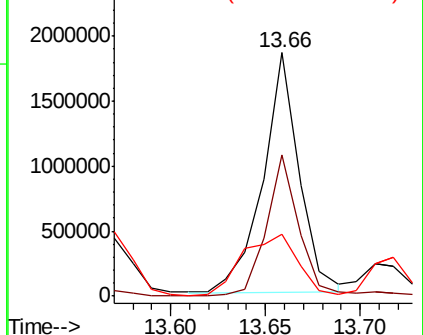


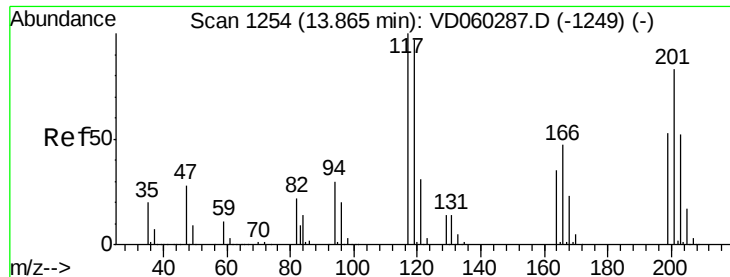
#89
n-Butylbenzene
Concen: 106.210 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

Tgt Ion: 91 Resp: 2468916
Ion Ratio Lower Upper
91 100
92 57.8 30.3 90.9
134 25.4 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V





#90

Hexachloroethane

Concen: 14.700 ug/l

RT: 13.84 min Scan# 1251

Delta R.T. -0.03 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

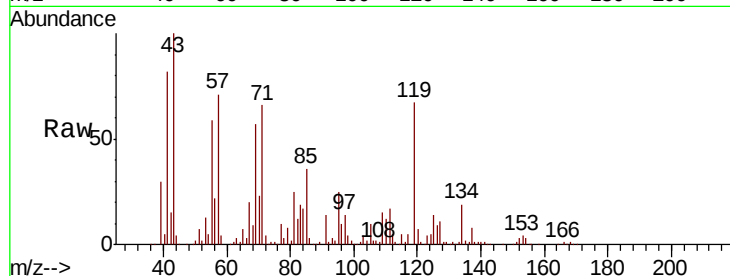
FDSB-11(11-13)

Tot Ion:117 Resp: 102663

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.3#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

300000

250000

200000

150000

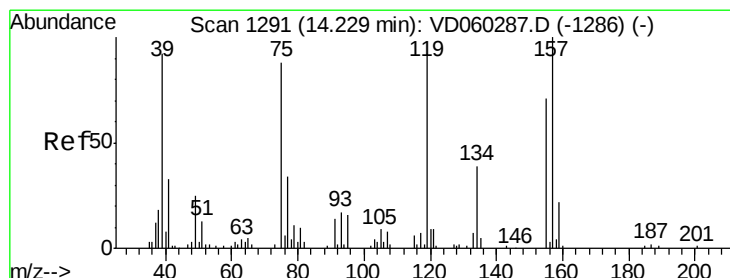
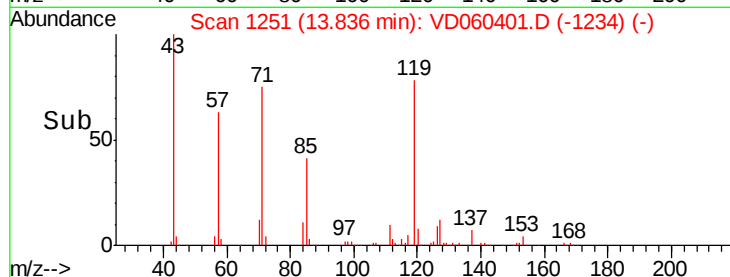
100000

50000

0

13.80 13.85 13.90

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.097 ug/l

RT: 14.21 min Scan# 1289

Delta R.T. -0.02 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

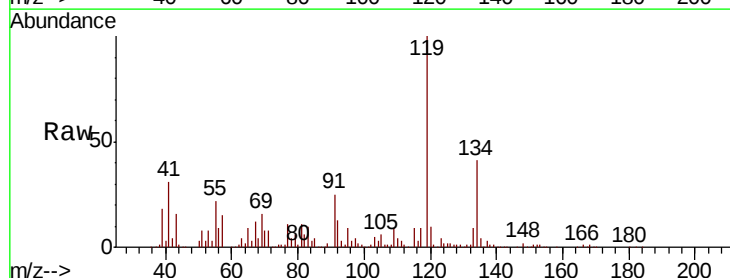
Tgt Ion: 75 Resp: 38263

Ion Ratio Lower Upper

75 100

155 16.5 64.3 192.9#

157 0.0 81.0 243.1#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

30000

25000

20000

15000

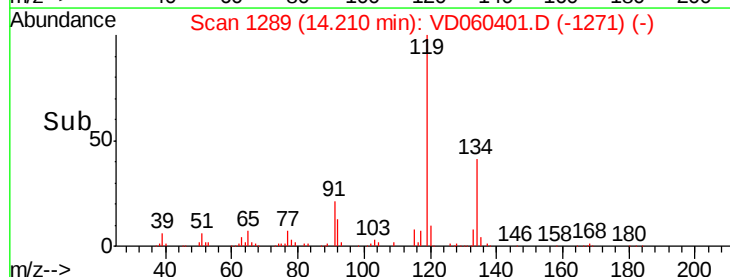
10000

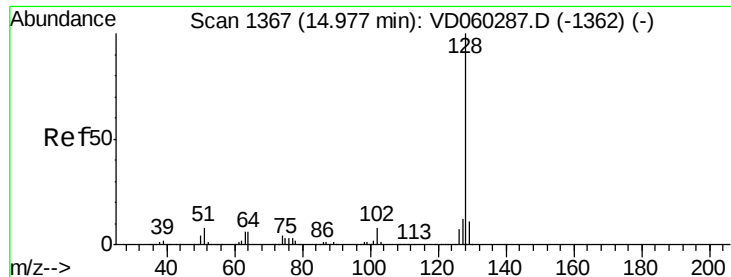
5000

0

14.10 14.15 14.20 14.25

Time-->





#95

Naphthalene

Concen: 5.062 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.02 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

FDSB-11(11-13)

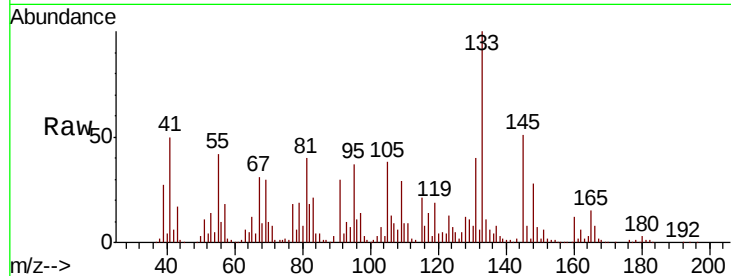
Tot Ion:128 Resp: 65721

Ion Ratio Lower Upper

128 100

127 38.9 9.6 14.4#

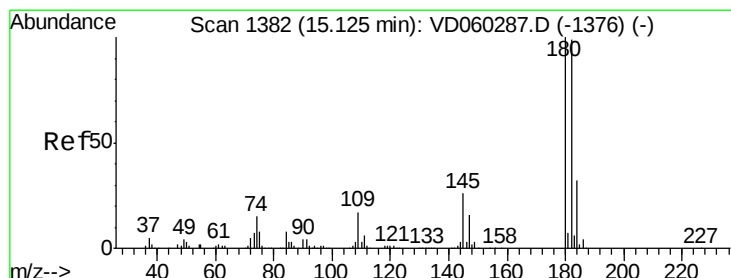
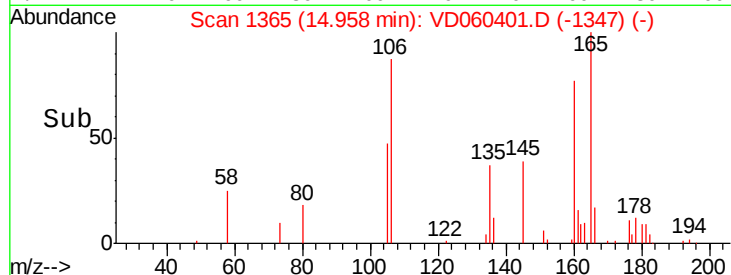
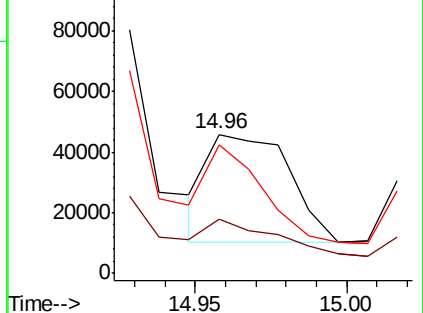
129 92.1 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.420 ug/l

RT: 15.11 min Scan# 1380

Delta R.T. -0.02 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

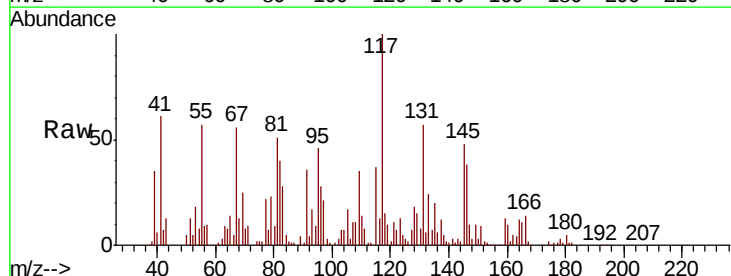
Tgt Ion:180 Resp: 12103

Ion Ratio Lower Upper

180 100

182 17.8 48.9 146.7#

145 1003.4 12.9 38.6#



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

