

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112618\
 Data File : VD060454.D
 Acq On : 26 Nov 2018 14:28
 Operator : VA/AP
 Sample : J5918-03MS
 Misc : 4.98g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Nov 26 16:09:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	3749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	6958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.31	117	5293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	2429	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	2105	78.42	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	156.84%	
35) Dibromofluoromethane	6.34	113	2027	39.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.14%	
50) Toluene-d8	9.48	98	6429	42.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.68%	
62) 4-Bromofluorobenzene	12.44	95	3091	56.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.60	85	828	25.954	ug/l #	41
3) Chloromethane	1.77	50	1758	49.505	ug/l #	42
4) Vinyl Chloride	1.85	62	1173	40.446	ug/l #	44
5) Bromomethane	2.16	94	410	59.588	ug/l #	2
6) Chloroethane	2.26	64	619	64.327	ug/l #	41
7) Trichlorofluoromethane	2.52	101	2467	72.151	ug/l	91
8) Diethyl Ether	2.83	74	782	126.322	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.11	101	1812	80.573	ug/l #	66
10) Methyl Iodide	3.28	142	1275	43.652	ug/l #	35
12) 1,1-Dichloroethene	3.08	96	2679	146.451	ug/l #	59
13) Acrolein	2.98	56	820	629.571	ug/l	92
14) Allvl chloride	3.55	41	2293	65.512	ug/l #	77
15) Acrylonitrile	4.07	53	4284	666.464	ug/l	89
16) Acetone	3.15	43	9864	2118.428	ug/l	96
17) Carbon Disulfide	3.33	76	6122	103.684	ug/l #	76
18) Methyl Acetate	3.53	43	2810	283.030	ug/l #	63
19) Methyl tert-butyl Ether	4.09	73	3926	71.675	ug/l #	89
20) Methylene Chloride	3.73	84	2529	61.228	ug/l	96
21) trans-1,2-Dichloroethene	4.11	96	1605	39.516	ug/l	83
22) Diisopropyl ether	4.85	45	10078	77.069	ug/l #	93
23) Vinyl Acetate	4.80	43	14016	215.409	ug/l #	79
24) 1,1-Dichloroethane	4.76	63	3458	51.569	ug/l #	85
25) 2-Butanone	5.61	43	7094	732.975	ug/l	96
26) 2,2-Dichloropropane	5.59	77	1193	22.884	ug/l #	50
27) cis-1,2-Dichloroethene	5.61	96	2405	56.838	ug/l	84
28) Bromochloromethane	5.93	49	1945	65.738	ug/l #	74
29) Tetrahydrofuran	5.94	42	5074	994.374	ug/l #	75
30) Chloroform	6.11	83	4399	65.621	ug/l	90
31) Cyclohexane	6.40	56	2730	42.595	ug/l #	68
32) 1,1,1-Trichloroethane	6.31	97	1843	32.638	ug/l #	63
36) 1,1-Dichloropropene	6.54	75	2420	35.204	ug/l #	64
37) Ethyl Acetate	5.69	43	2442	77.200	ug/l #	69
38) Carbon Tetrachloride	6.50	117	1342	21.045	ug/l #	64
39) Methylcyclohexane	8.06	83	2224	28.129	ug/l	88

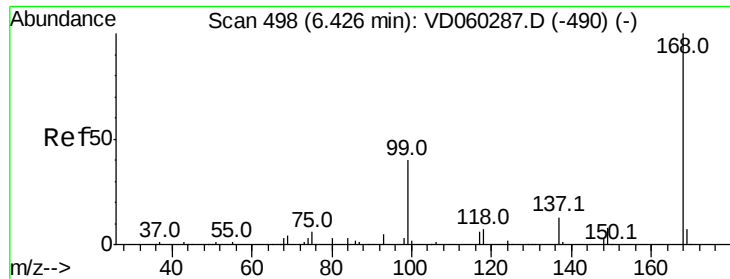
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.81	78	8937	50.931	ug/l	94
41) Methacrylonitrile	5.93	41	5128	141.639	ug/l #	77
42) 1,2-Dichloroethane	6.91	62	3077	66.995	ug/l	71
43) Isopropyl Acetate	8.36	43	2697	67.876	ug/l #	90
44) Trichloroethene	7.75	130	2585	48.598	ug/l	79
45) 1,2-Dichloropropane	8.12	63	2055	46.436	ug/l #	37
46) Dibromomethane	8.25	93	1957	75.504	ug/l #	74
47) Bromodichloromethane	8.51	83	2126	34.808	ug/l #	95
48) Methyl methacrylate	8.26	41	1524	63.144	ug/l #	82
51) 4-Methyl-2-Pentanone	9.36	43	14070	544.054	ug/l	97
52) Toluene	9.57	92	4945	44.117	ug/l	84
53) t-1,3-Dichloropropene	9.94	75	1117	21.645	ug/l #	43
54) cis-1,3-Dichloropropene	9.11	75	1555	23.493	ug/l #	87
55) 1,1,2-Trichloroethane	10.20	97	2107	64.856	ug/l #	72
56) Ethyl methacrylate	10.05	69	1040	34.817	ug/l #	78
57) 1,3-Dichloropropane	10.40	76	3371	68.096	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.94	63	2064	114.278	ug/l #	48
59) 2-Hexanone	10.50	43	8035	435.917	ug/l	87
60) Dibromochloromethane	10.66	129	2115	53.556	ug/l	69
61) 1,2-Dibromoethane	10.77	107	1562	47.987	ug/l #	76
64) Tetrachloroethene	10.27	164	2817	59.616	ug/l #	88
65) Chlorobenzene	11.33	112	6025	52.535	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	11.43	131	1338	35.657	ug/l	83
67) Ethyl Benzene	11.44	91	8402	42.827	ug/l	97
68) m/p-Xylenes	11.58	106	6641	91.766	ug/l	89
69) o-Xylene	11.95	106	3104	44.397	ug/l	73
70) Styrene	11.98	104	3850	34.074	ug/l	92
71) Bromoform	12.13	173	732	29.031	ug/l #	76
73) Isopropylbenzene	12.29	105	8088	45.703	ug/l	96
74) N-amyl acetate	12.14	43	2177	47.982	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.58	83	2352	81.265	ug/l #	83
76) 1,2,3-Trichloropropane	12.61	75	1818	62.568	ug/l	80
77) Bromobenzene	12.56	156	2663	56.650	ug/l	92
78) n-propylbenzene	12.65	91	9391	42.514	ug/l	91
79) 2-Chlorotoluene	12.72	91	6670	55.133	ug/l	86
80) 1,3,5-Trimethylbenzene	12.81	105	5203	37.831	ug/l	98
82) 4-Chlorotoluene	12.82	91	6424	47.270	ug/l	89
83) tert-Butylbenzene	13.06	119	5818	38.103	ug/l	81
84) 1,2,4-Trimethylbenzene	13.11	105	5632	41.003	ug/l	94
85) sec-Butylbenzene	13.23	105	7056	37.665	ug/l	96
86) p-Isopropyltoluene	13.35	119	5332	35.344	ug/l #	87
87) 1,3-Dichlorobenzene	13.32	146	4344	51.941	ug/l	93
88) 1,4-Dichlorobenzene	13.40	146	4001	48.984	ug/l	90
89) n-Butylbenzene	13.66	91	4990	31.730	ug/l	90
90) Hexachloroethane	13.86	117	681	19.037	ug/l #	9
91) 1,2-Dichlorobenzene	13.67	146	2764	40.236	ug/l	82

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060454.D

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MSVOA_D

ClientSampleId :

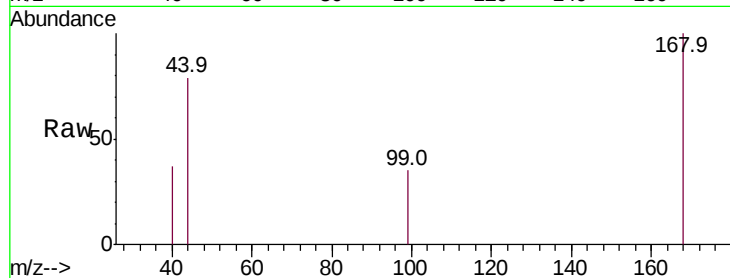
FDSB-05(25-27)

Tot Ion:168 Resp: 3749

Ion Ratio Lower Upper

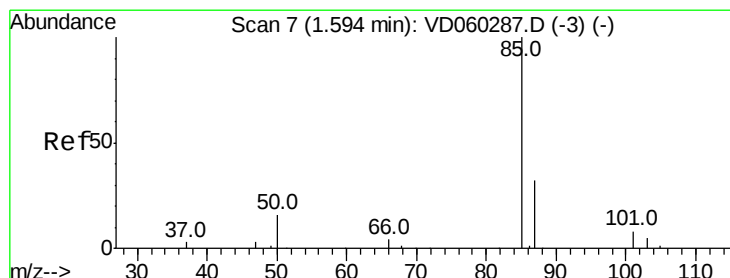
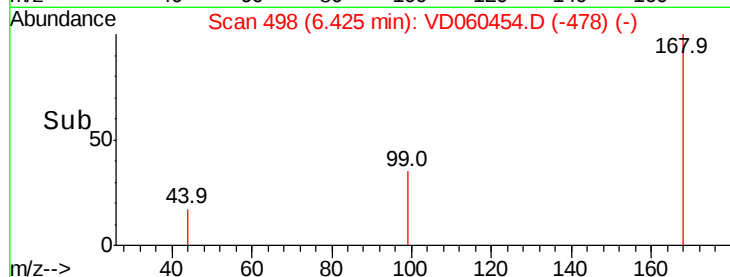
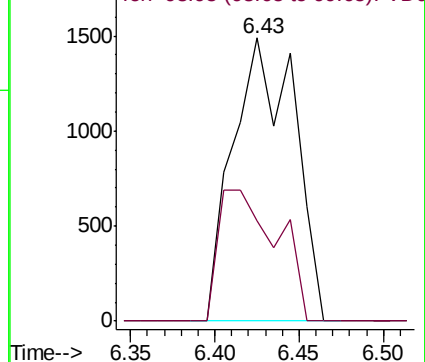
168 100

99 35.4 39.8 59.8#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 25.954 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060454.D

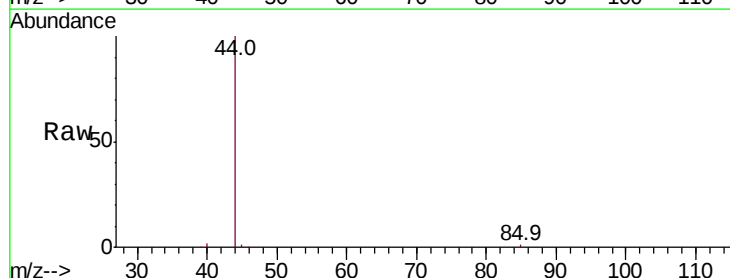
Acq: 26 Nov 2018 14:28

Tgt Ion: 85 Resp: 828

Ion Ratio Lower Upper

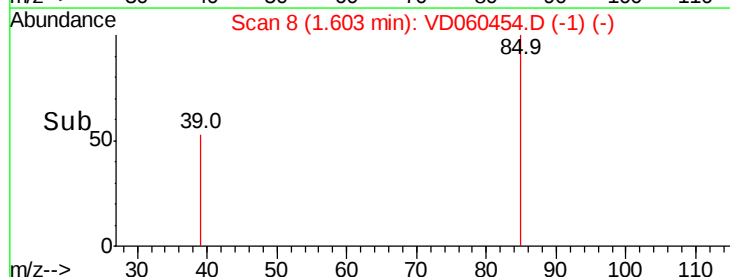
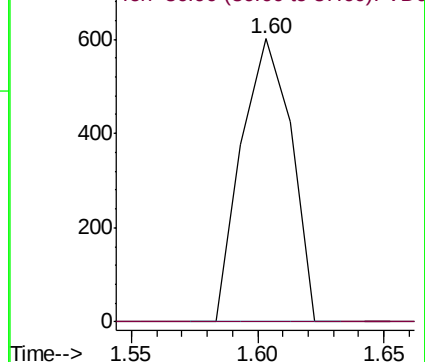
85 100

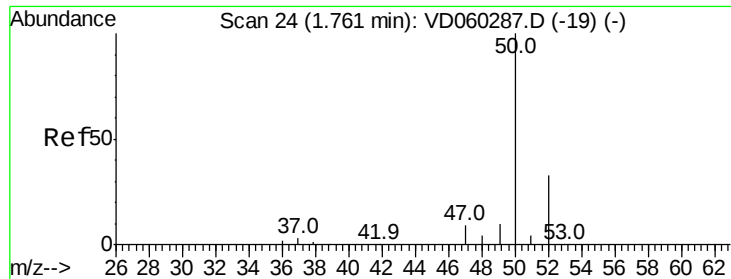
87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.505 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

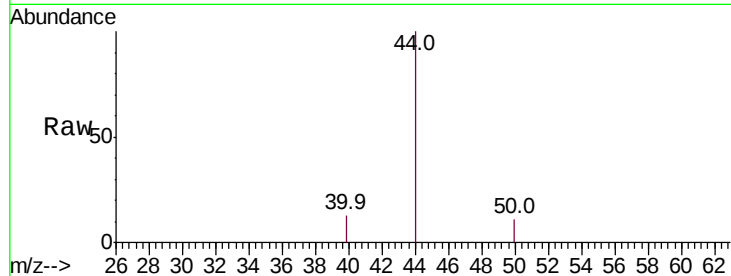
FDSB-05(25-27)

Tot Ion: 50 Resp: 1758

Ion Ratio Lower Upper

50 100

52 0.0 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

800

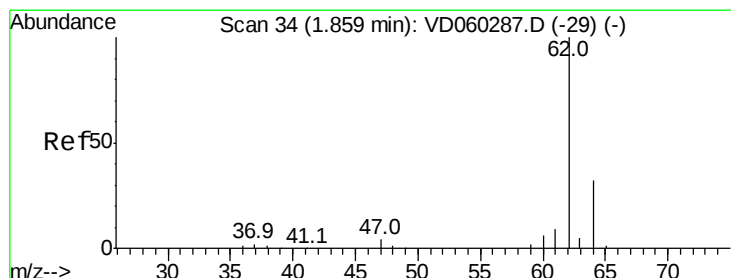
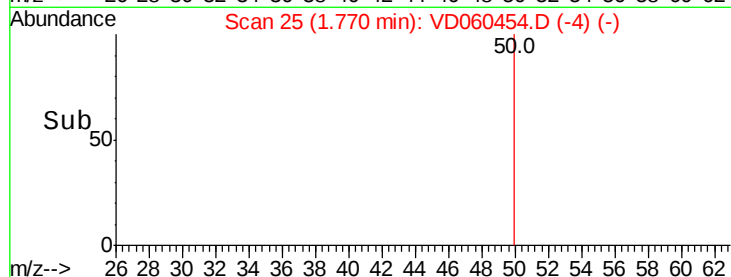
600

400

200

0

Time--> 1.70 1.75 1.80 1.85



#4

Vinyl Chloride

Concen: 40.446 ug/l

RT: 1.85 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD060454.D

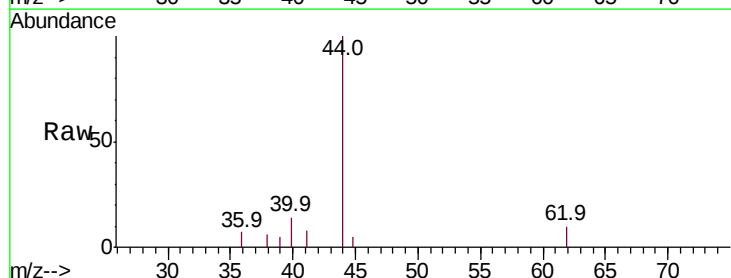
Acq: 26 Nov 2018 14:28

Tgt Ion: 62 Resp: 1173

Ion Ratio Lower Upper

62 100

64 0.0 24.9 37.3#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

800

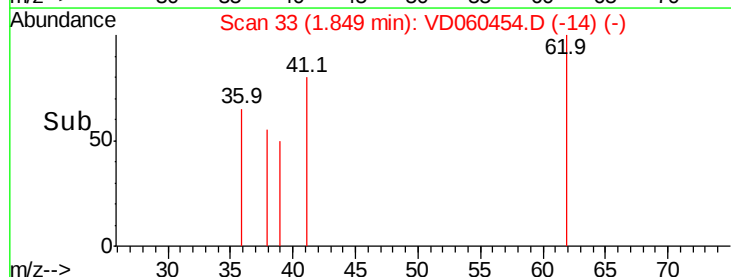
600

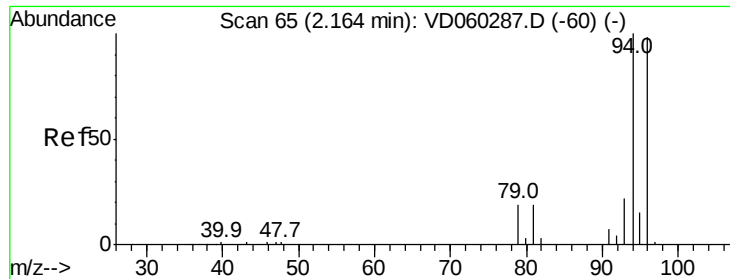
400

200

0

Time--> 1.80 1.85 1.90





#5

Bromomethane

Concen: 59.588 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

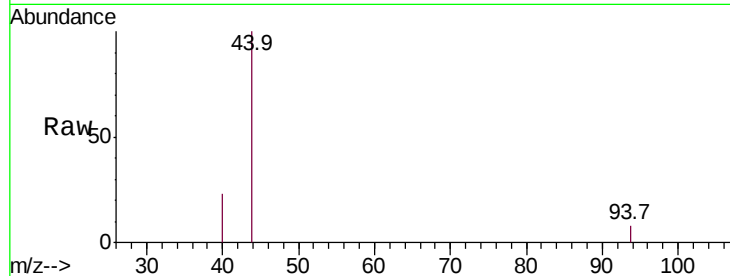
FDSB-05(25-27)

Tot Ion: 94 Resp: 410

Ion Ratio Lower Upper

94 100

96 0.0 76.6 114.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.16

400

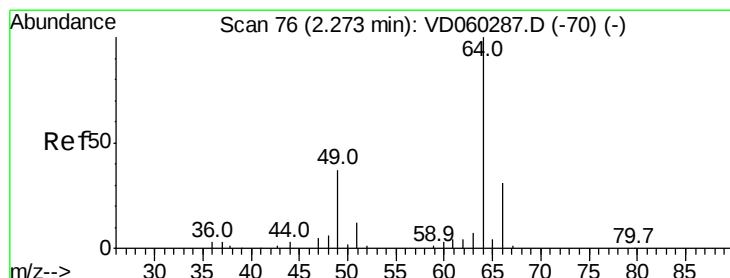
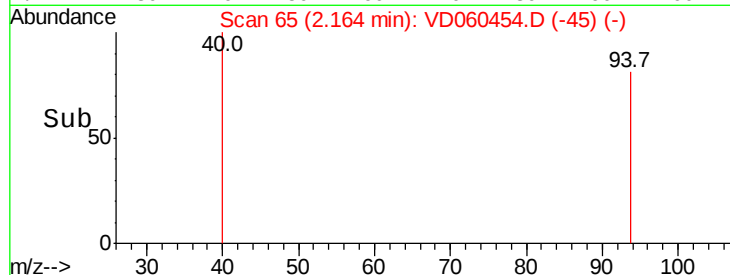
300

200

100

0

Time-->



#6

Chloroethane

Concen: 64.327 ug/l

RT: 2.26 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060454.D

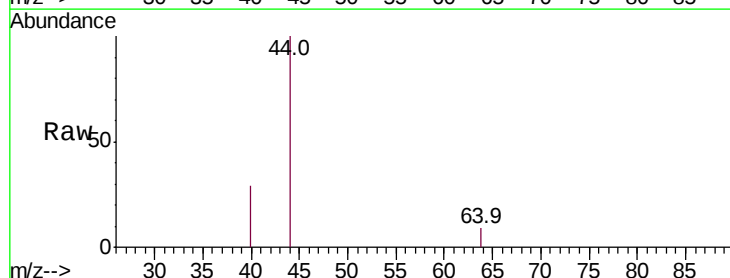
Acq: 26 Nov 2018 14:28

Tgt Ion: 64 Resp: 619

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

500

400

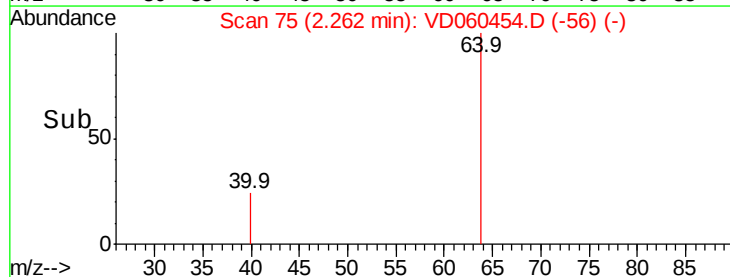
300

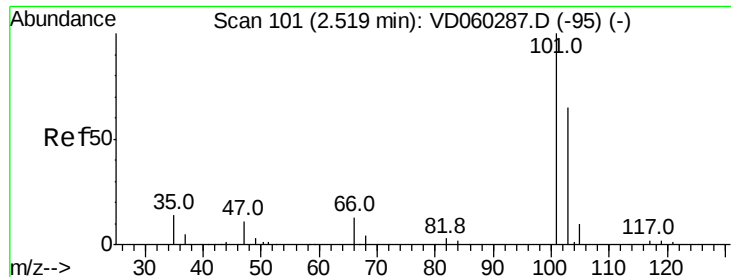
200

100

0

Time-->



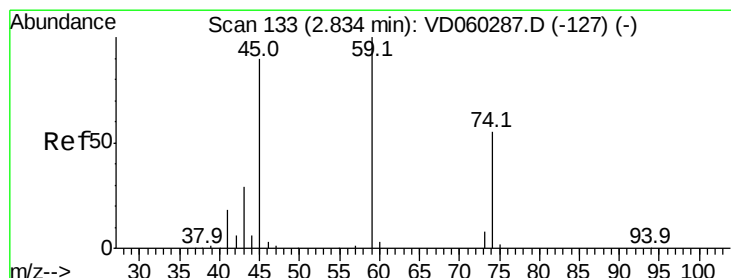
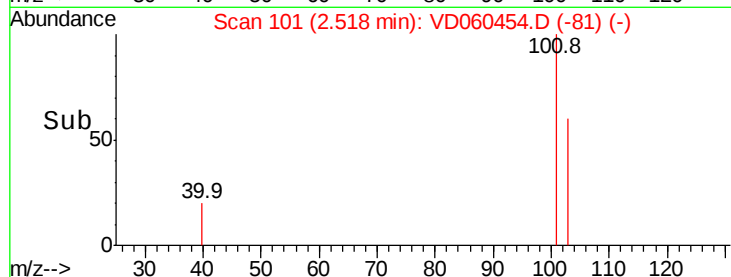
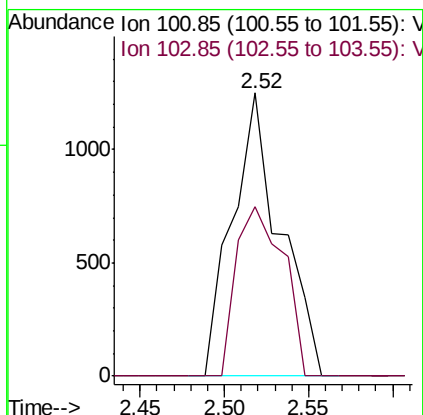
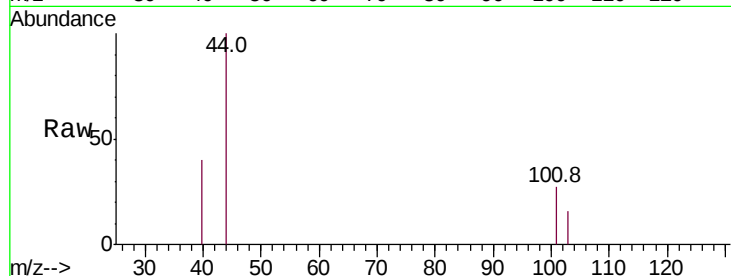


#7

Trichlorofluoromethane
Concen: 72.151 ug/l
RT: 2.52 min Scan# 101
Delta R.T. -0.00 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

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

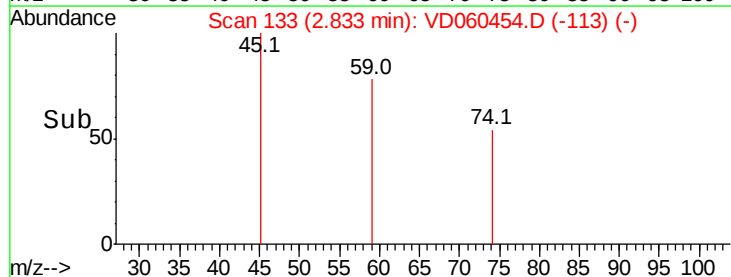
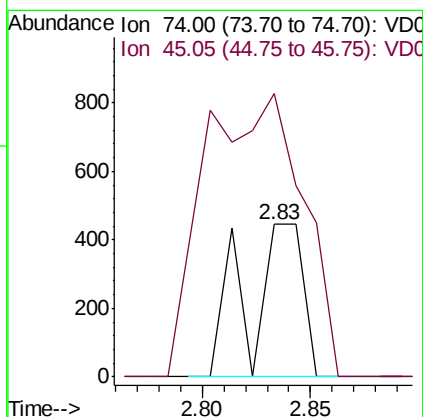
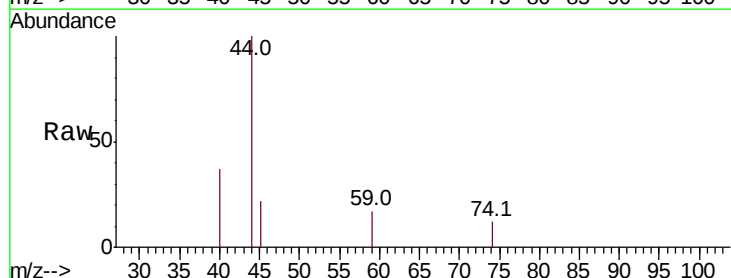
Tot Ion:101 Resp: 2467
Ion Ratio Lower Upper
101 100
103 59.9 53.6 80.4

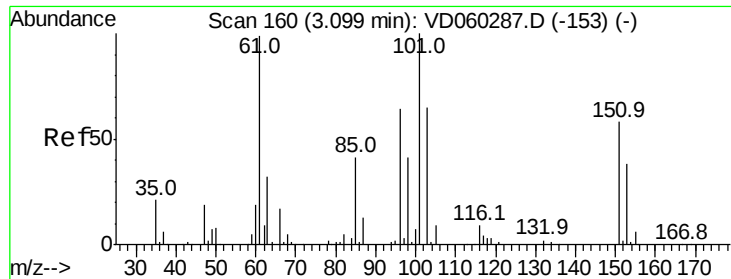


#8

Diethyl Ether
Concen: 126.322 ug/l
RT: 2.83 min Scan# 133
Delta R.T. -0.00 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

Tgt Ion: 74 Resp: 782
Ion Ratio Lower Upper
74 100
45 185.8 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 80.573 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

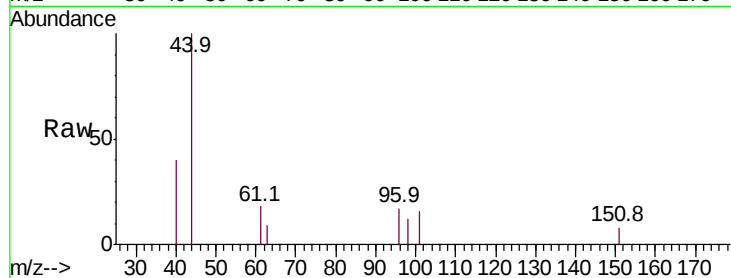
Tot Ion:101 Resp: 1812

Ion Ratio Lower Upper

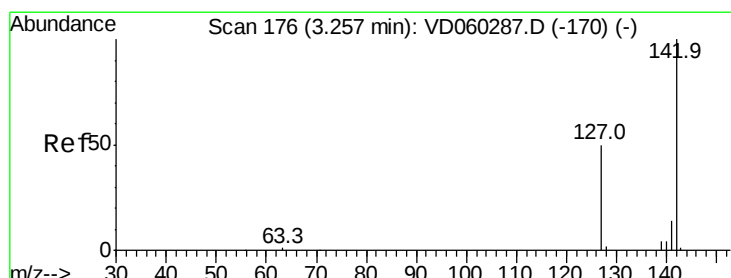
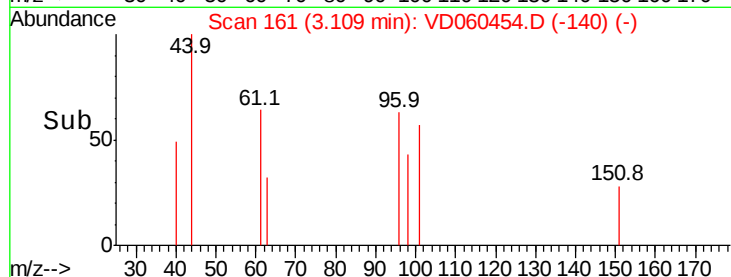
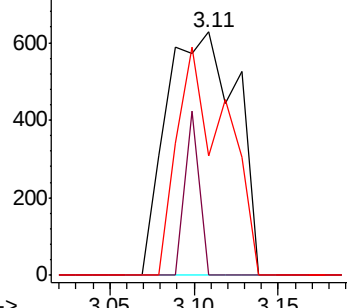
101 100

85 0.0 31.4 47.0#

151 48.9 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 43.652 ug/l

RT: 3.28 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

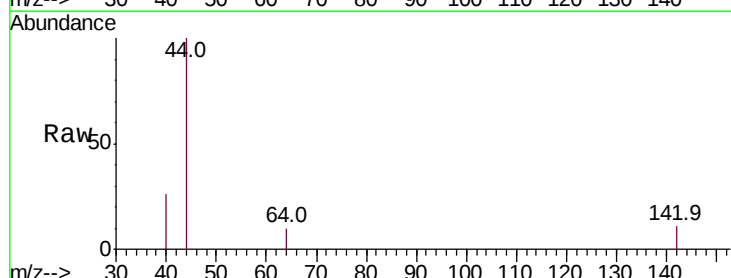
Tgt Ion:142 Resp: 1275

Ion Ratio Lower Upper

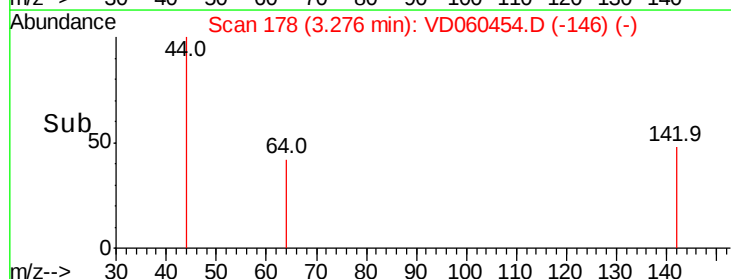
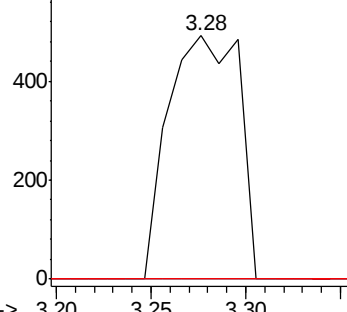
142 100

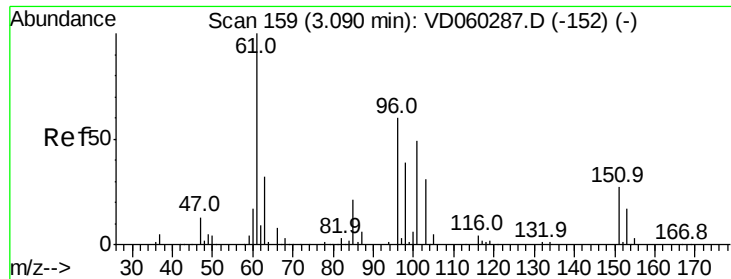
127 0.0 41.0 61.6#

141 0.0 11.9 17.9#



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#12

1,1-Dichloroethene

Concen: 146.451 ug/l

RT: 3.08 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

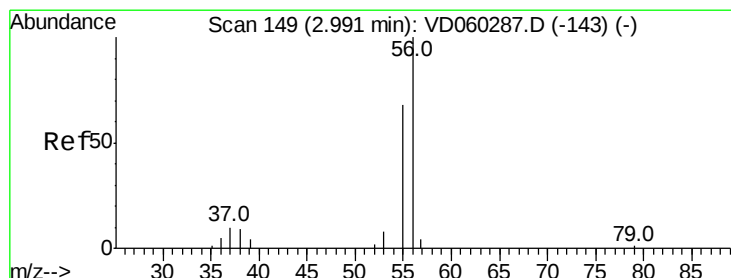
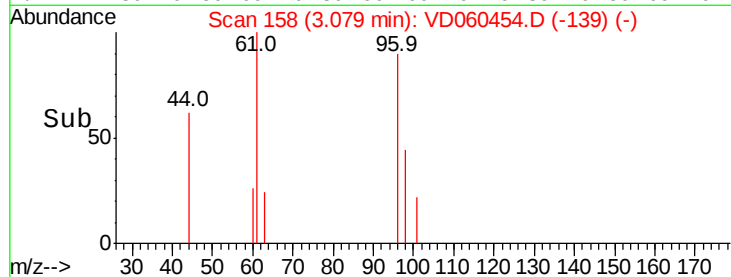
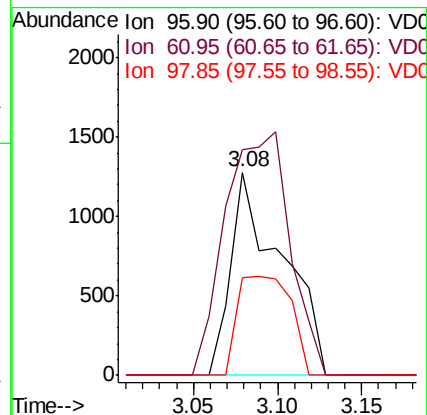
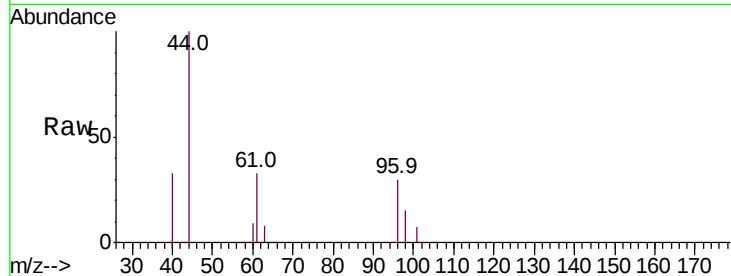
Tot Ion: 96 Resp: 2679

Ion Ratio Lower Upper

96 100

61 110.8 142.2 213.4#

98 48.3 52.6 79.0#



#13

Acrolein

Concen: 629.571 ug/l

RT: 2.98 min Scan# 148

Delta R.T. -0.01 min

Lab File: VD060454.D

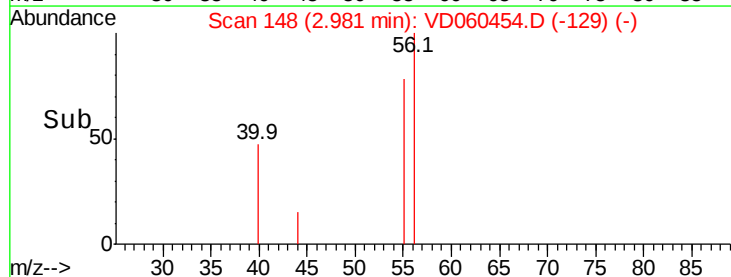
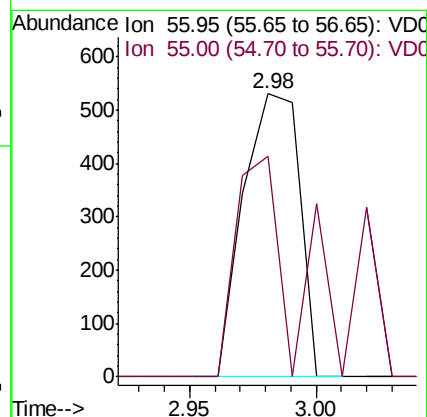
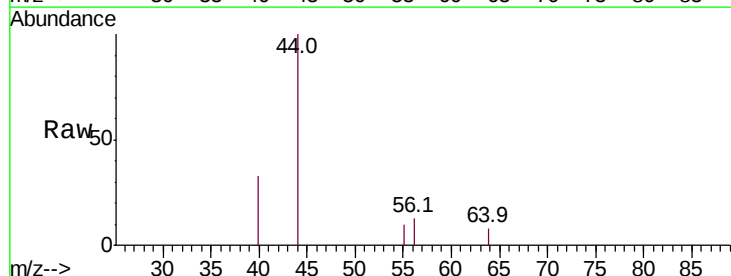
Acq: 26 Nov 2018 14:28

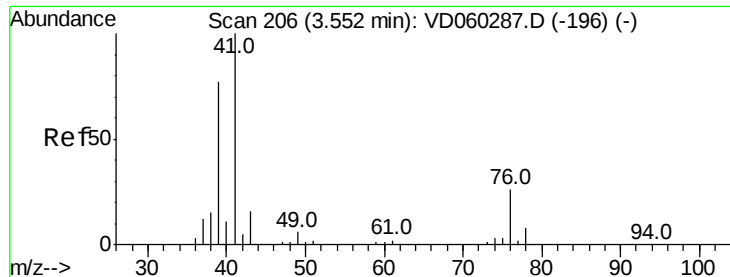
Tgt Ion: 56 Resp: 820

Ion Ratio Lower Upper

56 100

55 78.2 57.0 85.6

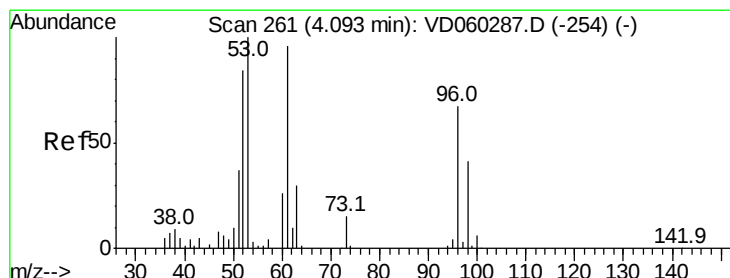
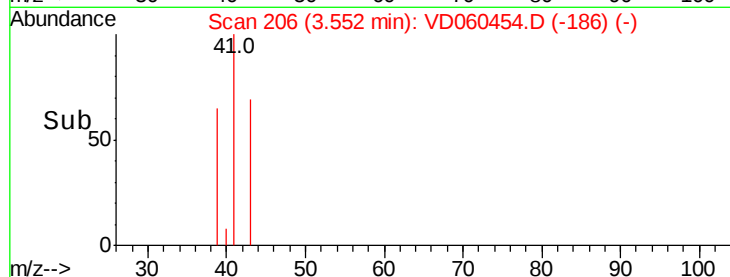
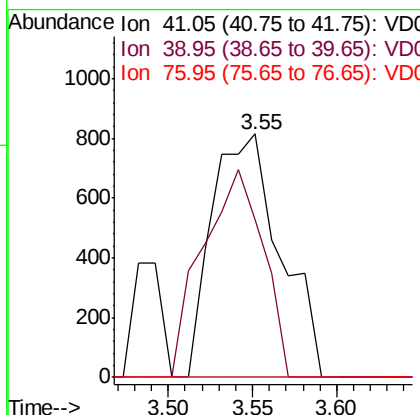
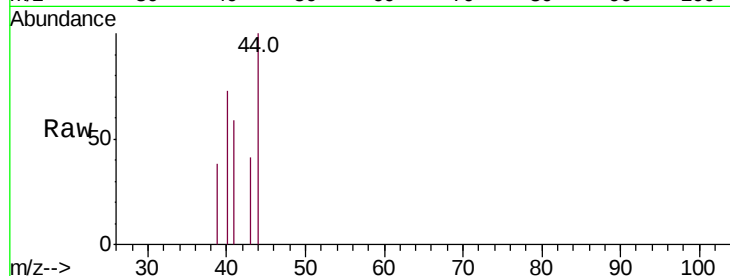




#14
Allvl chloride
Concen: 65.512 ug/l
RT: 3.55 min Scan# 206
Delta R.T. -0.00 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

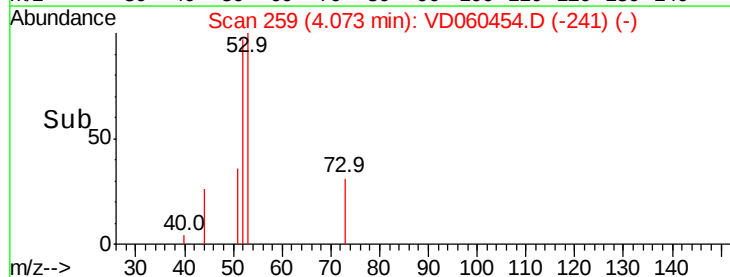
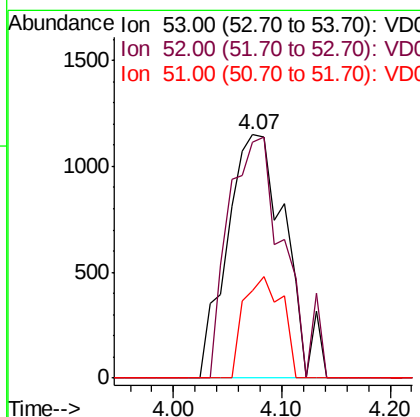
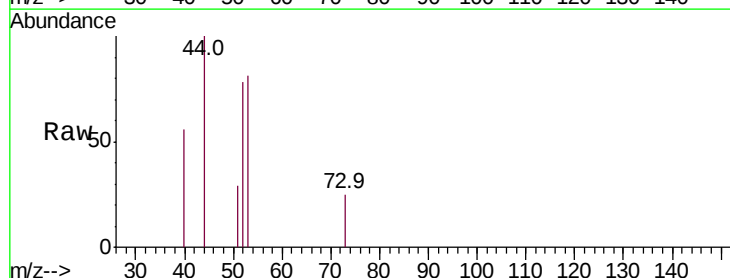
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

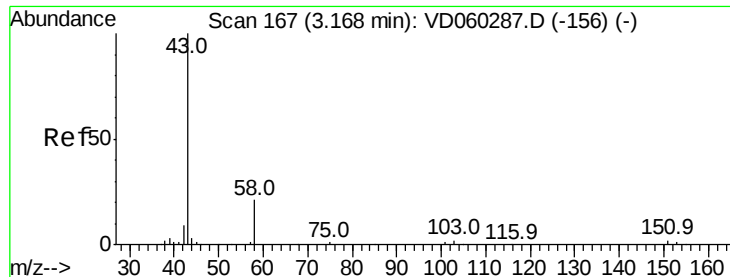
Tot Ion: 41 Resp: 2293
Ion Ratio Lower Upper
41 100
39 64.7 60.4 90.6
76 0.0 21.8 32.8#



#15
Acrylonitrile
Concen: 666.464 ug/l
RT: 4.07 min Scan# 259
Delta R.T. -0.02 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

Tgt Ion: 53 Resp: 4284
Ion Ratio Lower Upper
53 100
52 97.0 67.0 100.4
51 35.9 29.9 44.9





#16

Acetone

Concen: 2118.428 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

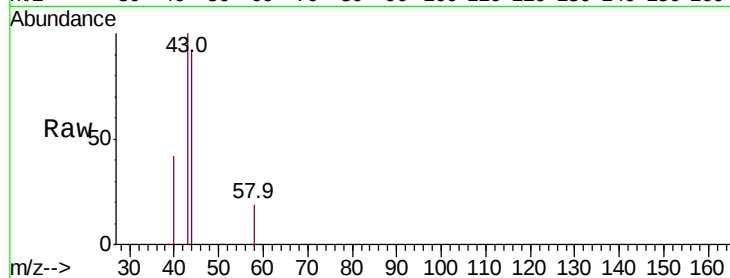
FDSB-05(25-27)

Tot Ion: 43 Resp: 9864

Ion Ratio Lower Upper

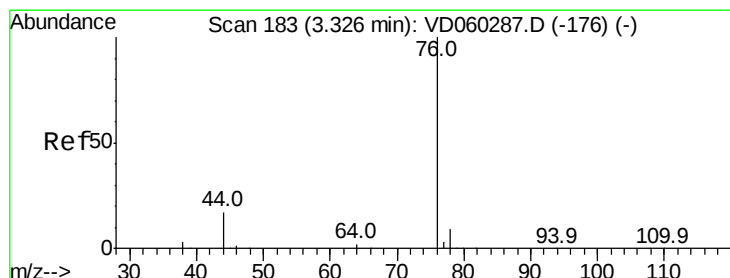
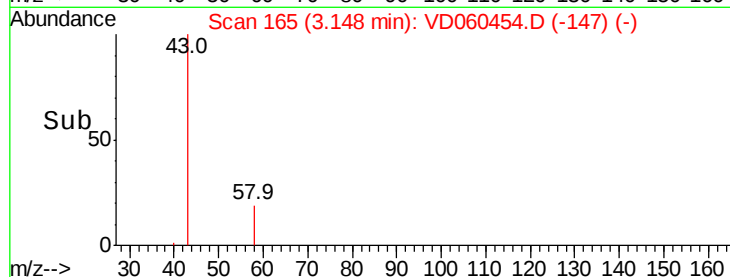
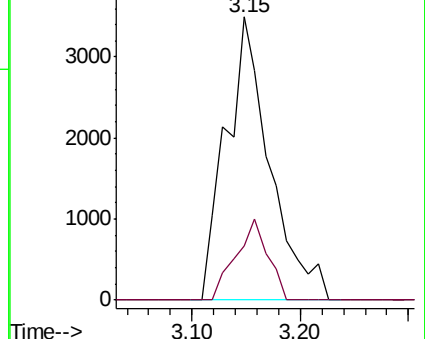
43 100

58 19.3 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 103.684 ug/l

RT: 3.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060454.D

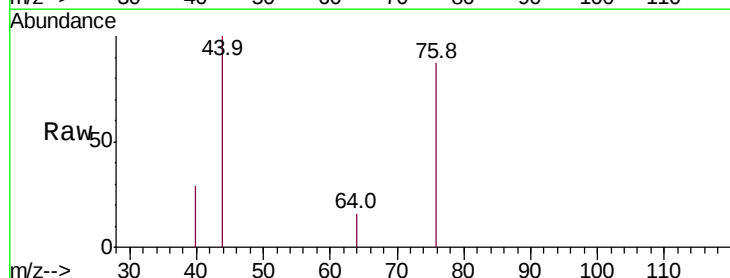
Acq: 26 Nov 2018 14:28

Tgt Ion: 76 Resp: 6122

Ion Ratio Lower Upper

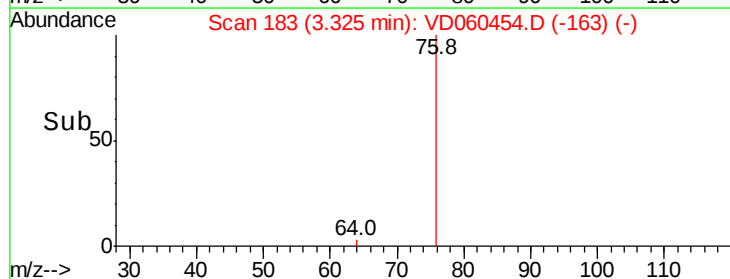
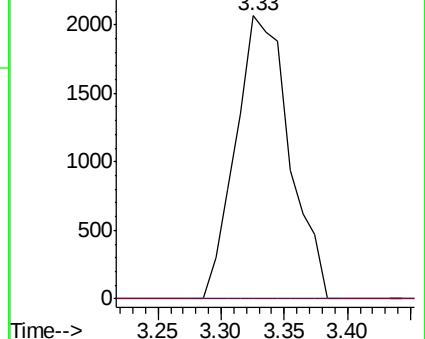
76 100

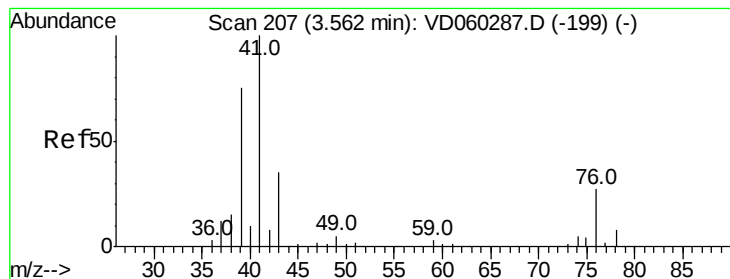
78 0.0 7.0 10.4#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC





#18

Methyl Acetate

Concen: 283.030 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.03 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

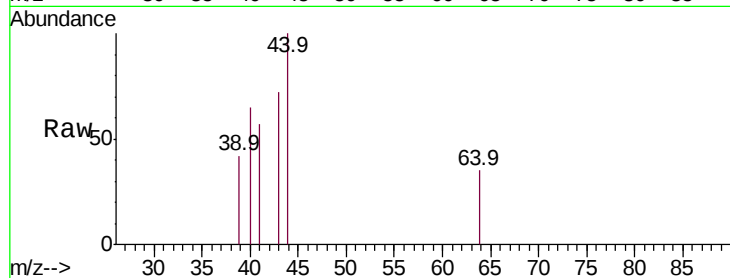
FDSB-05(25-27)

Tot Ion: 43 Resp: 2810

Ion Ratio Lower Upper

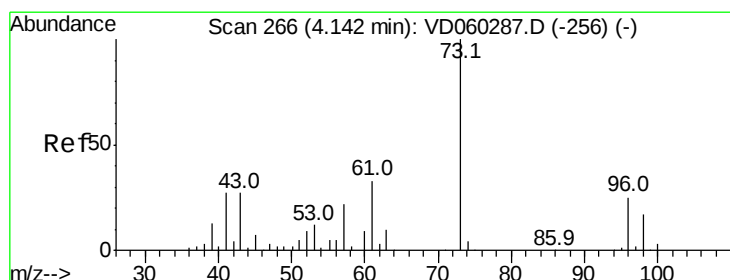
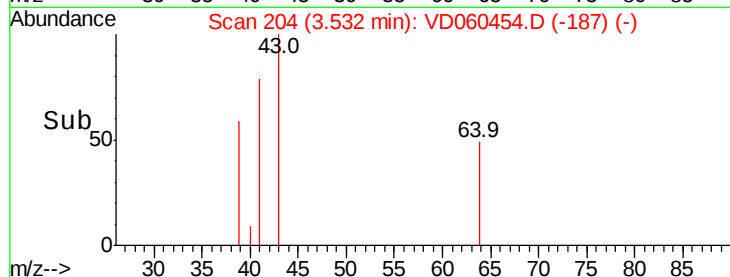
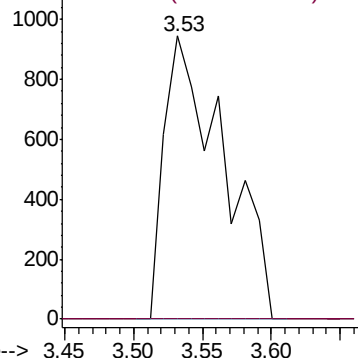
43 100

74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



#19

Methyl tert-butyl Ether

Concen: 71.675 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.05 min

Lab File: VD060454.D

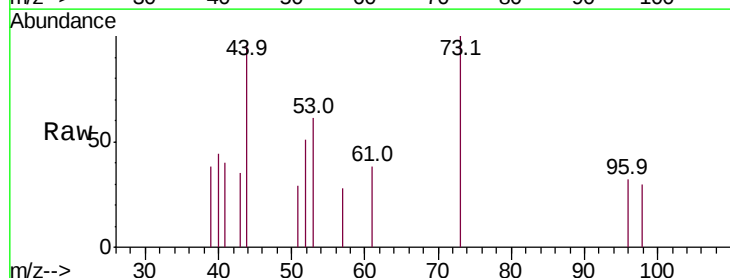
Acq: 26 Nov 2018 14:28

Tgt Ion: 73 Resp: 3926

Ion Ratio Lower Upper

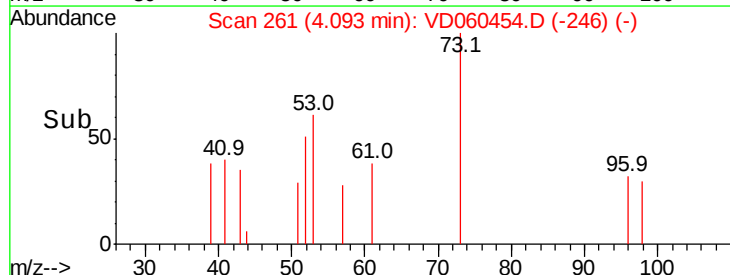
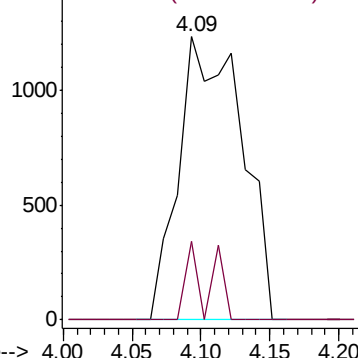
73 100

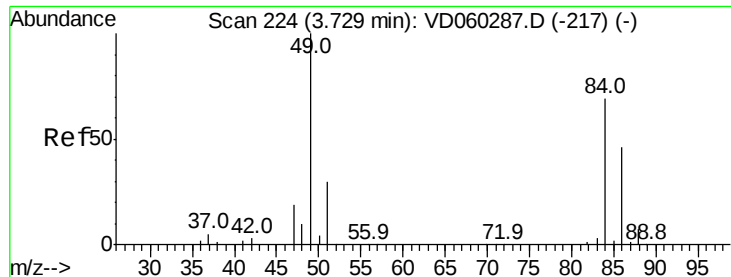
57 27.9 18.1 27.1#



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

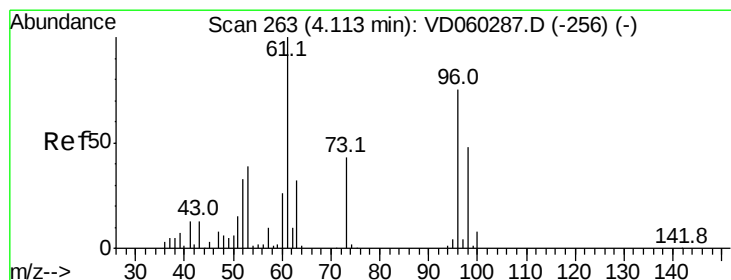
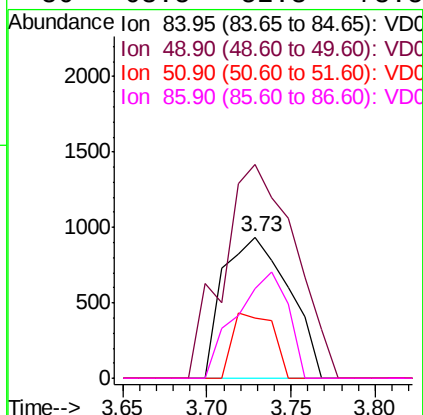
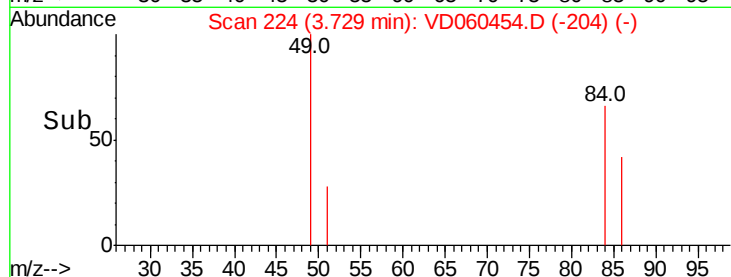
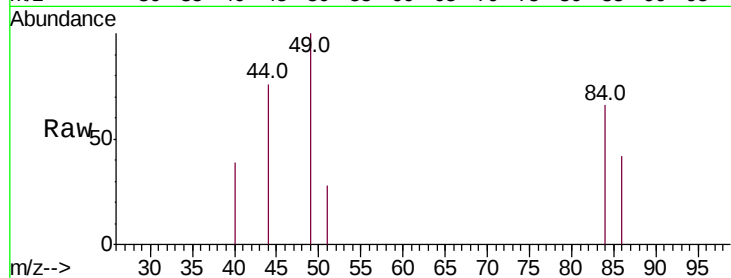




#20
Methvlene Chloride
Concen: 61.228 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

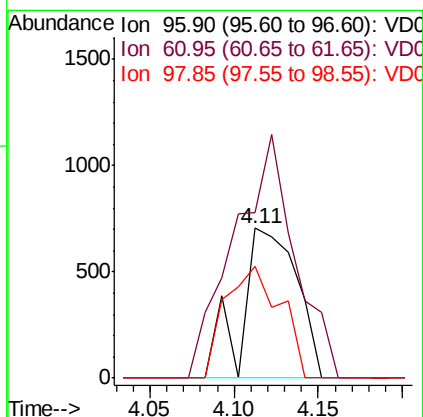
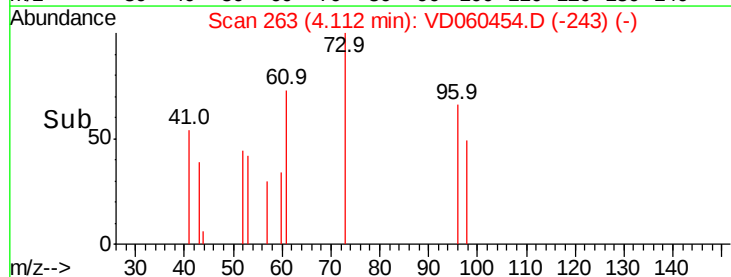
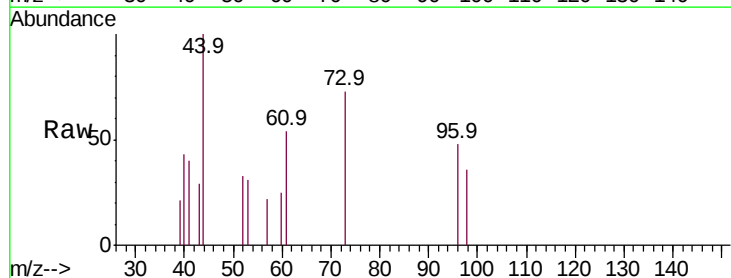
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

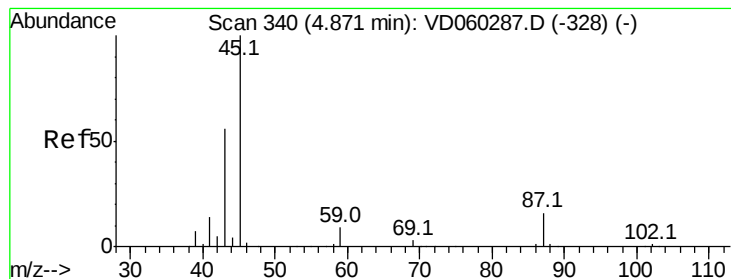
Tot Ion: 84 Resp: 2529
Ion Ratio Lower Upper
84 100
49 151.6 115.6 173.4
51 42.5 35.6 53.4
86 63.5 52.3 78.5



#21
trans-1,2-Dichloroethene
Concen: 39.516 ug/l
RT: 4.11 min Scan# 263
Delta R.T. -0.00 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

Tgt Ion: 96 Resp: 1605
Ion Ratio Lower Upper
96 100
61 110.8 105.8 158.6
98 74.4 50.8 76.2





#22

Diisopropyl ether

Concen: 77.069 ug/l

RT: 4.85 min Scan# 338

Delta R.T. -0.02 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

Tot Ion: 45 Resp: 10078

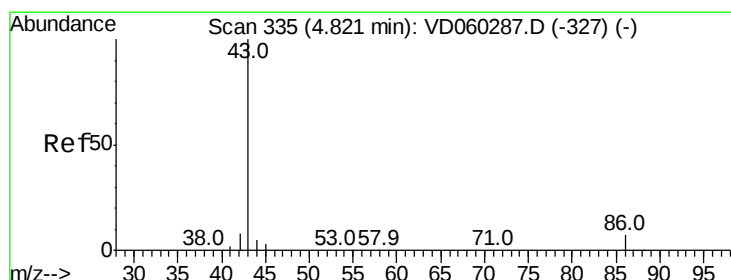
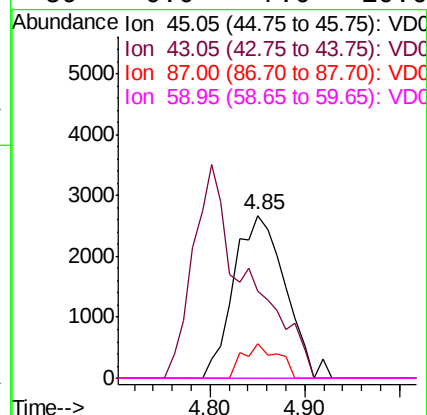
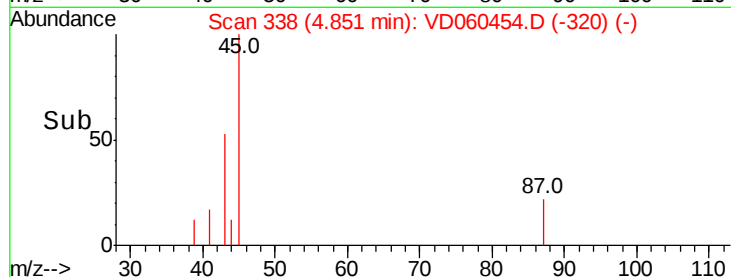
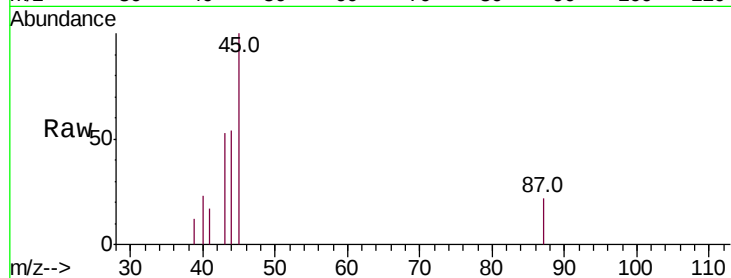
Ion Ratio Lower Upper

45 100

43 53.4 44.9 67.3

87 21.5 13.9 20.9#

59 0.0 7.0 10.6#



#23

Vinyl Acetate

Concen: 215.409 ug/l

RT: 4.80 min Scan# 333

Delta R.T. -0.02 min

Lab File: VD060454.D

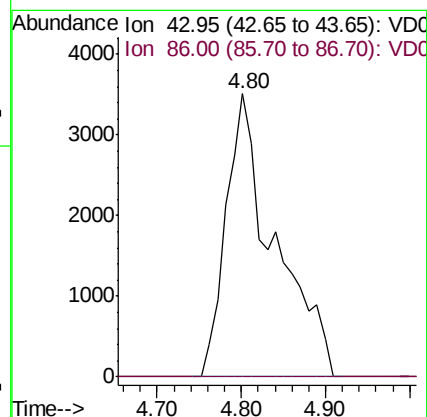
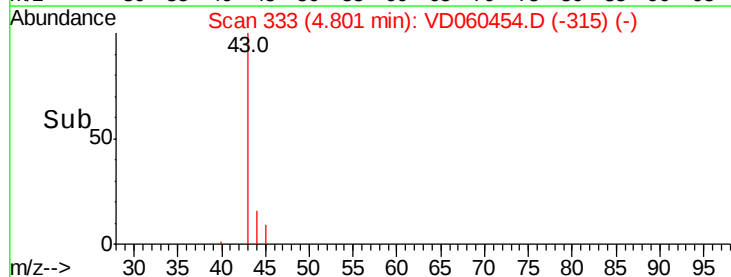
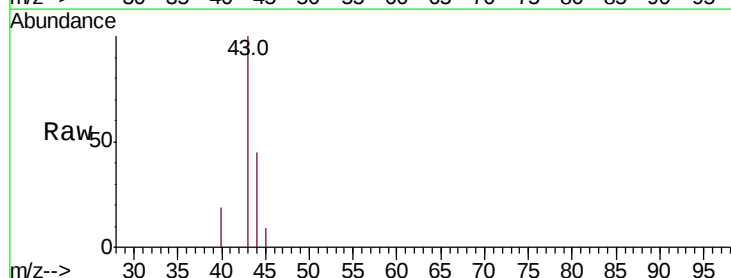
Acq: 26 Nov 2018 14:28

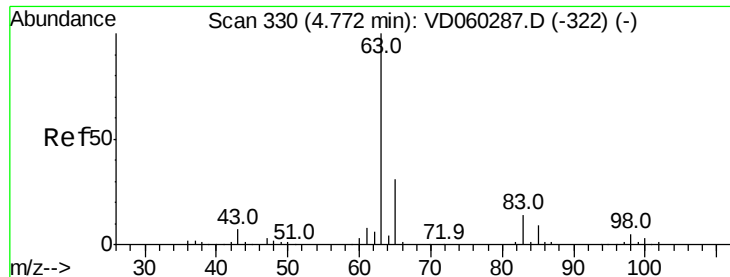
Tgt Ion: 43 Resp: 14016

Ion Ratio Lower Upper

43 100

86 0.0 5.7 8.5#





#24

1,1-Dichloroethane

Concen: 51.569 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

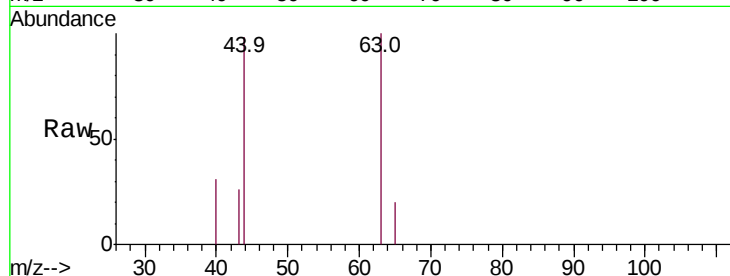
Tot Ion: 63 Resp: 3458

Ion Ratio Lower Upper

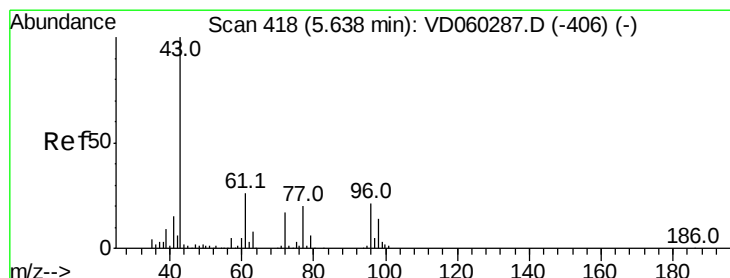
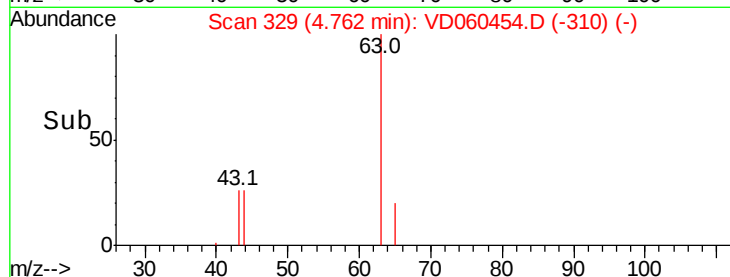
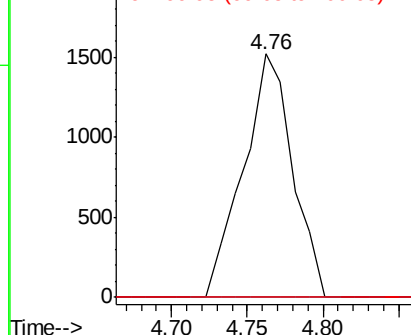
63 100

98 0.0 2.8 8.4#

100 0.0 1.8 5.5#



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 732.975 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.03 min

Lab File: VD060454.D

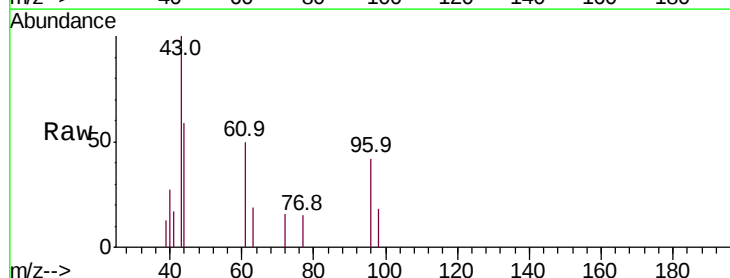
Acq: 26 Nov 2018 14:28

Tgt Ion: 43 Resp: 7094

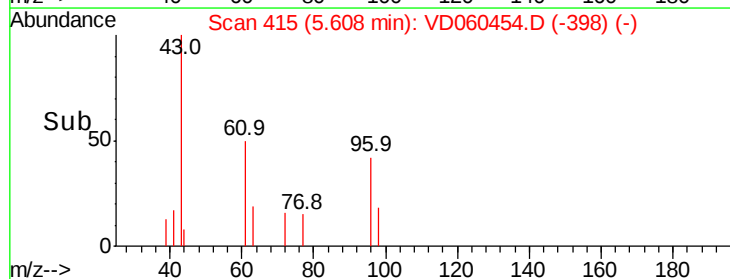
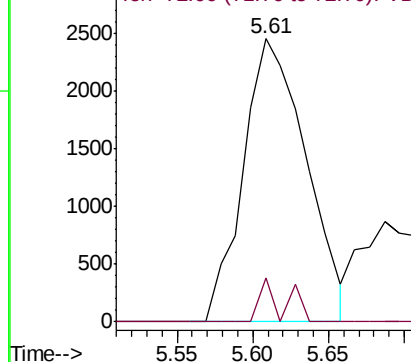
Ion Ratio Lower Upper

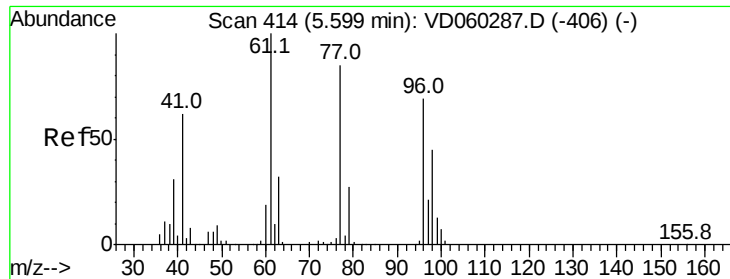
43 100

72 15.7 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 22.884 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

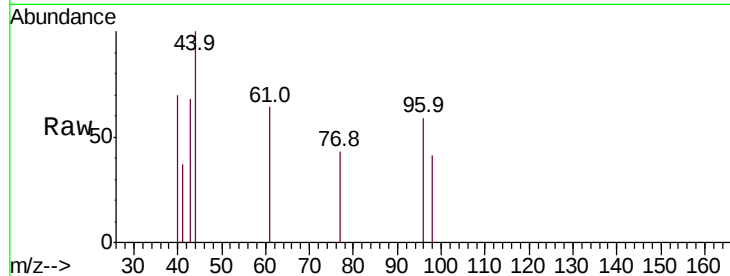
FDSB-05(25-27)

Tot Ion: 77 Resp: 1193

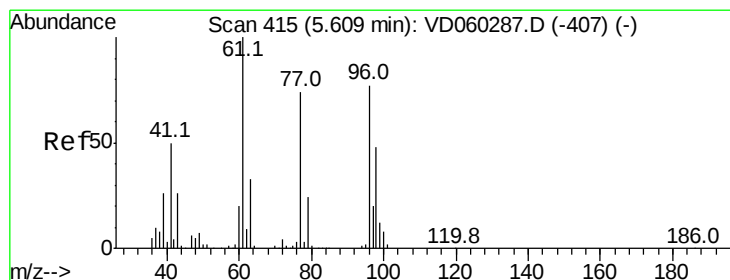
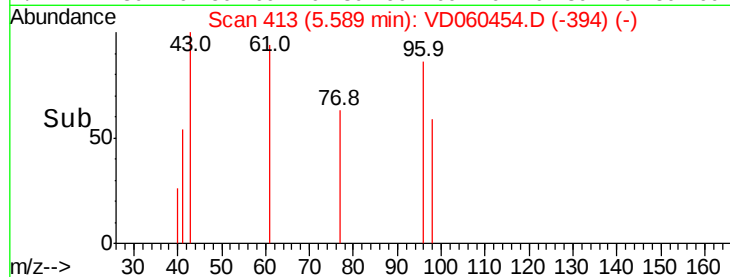
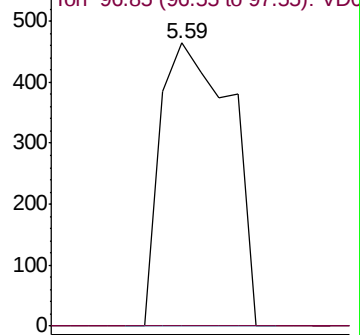
Ion Ratio Lower Upper

77 100

97 0.0 12.6 37.8#



Abundance Ion 76.95 (76.65 to 77.65): VDC



#27

cis-1,2-Dichloroethene

Concen: 56.838 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

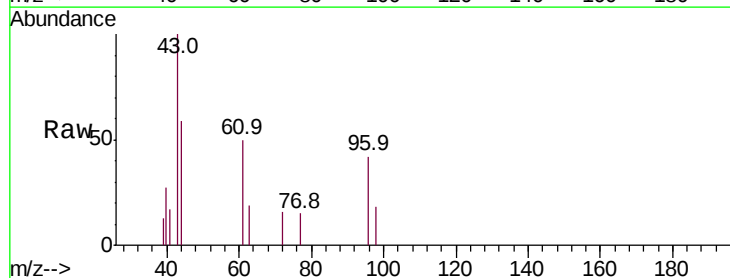
Tgt Ion: 96 Resp: 2405

Ion Ratio Lower Upper

96 100

61 118.2 0.0 259.0

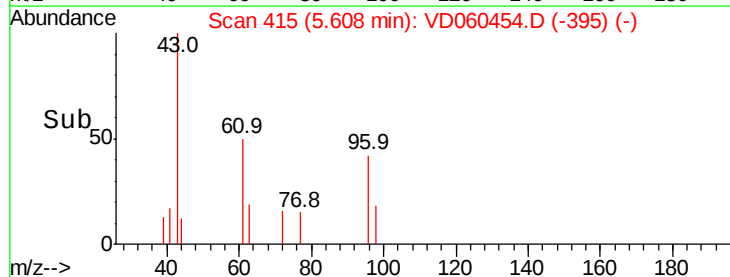
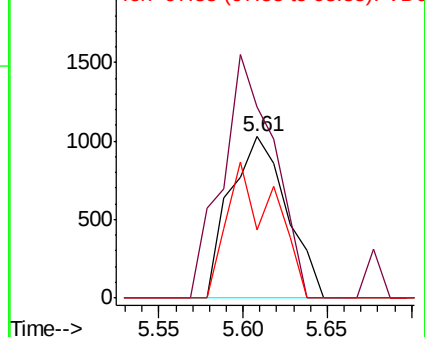
98 42.5 0.0 128.8

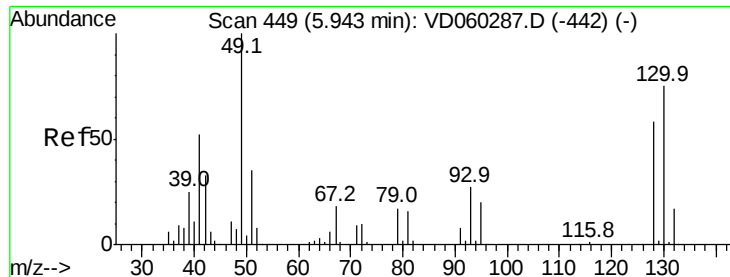


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#28

Bromochloromethane

Concen: 65.738 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

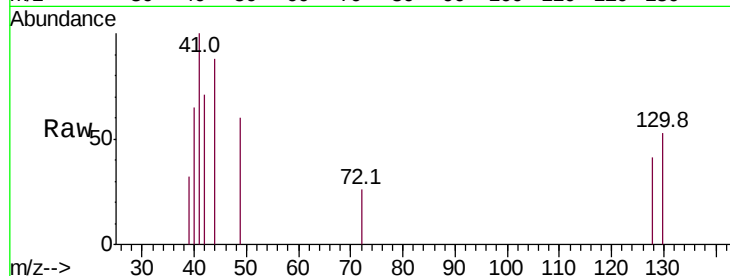
Tot Ion: 49 Resp: 1945

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.8

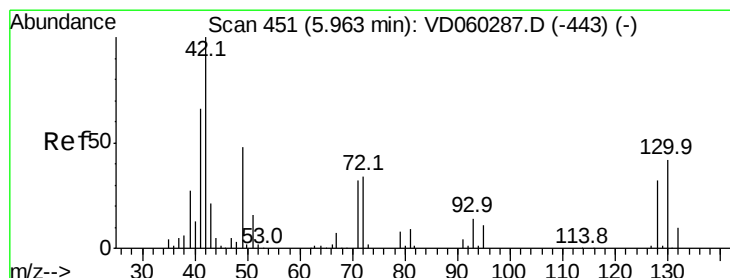
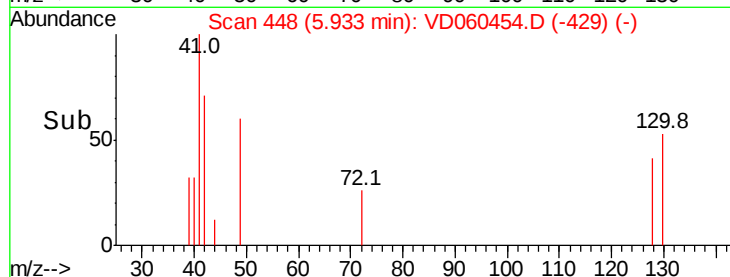
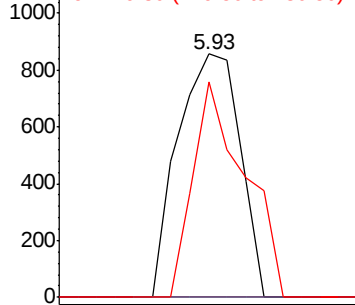
130 88.6 53.6 80.4#



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#29

Tetrahydrofuran

Concen: 994.374 ug/l

RT: 5.94 min Scan# 449

Delta R.T. -0.02 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

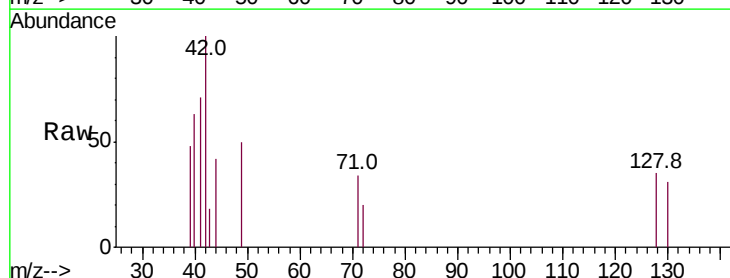
Tgt Ion: 42 Resp: 5074

Ion Ratio Lower Upper

42 100

72 21.0 27.6 41.4#

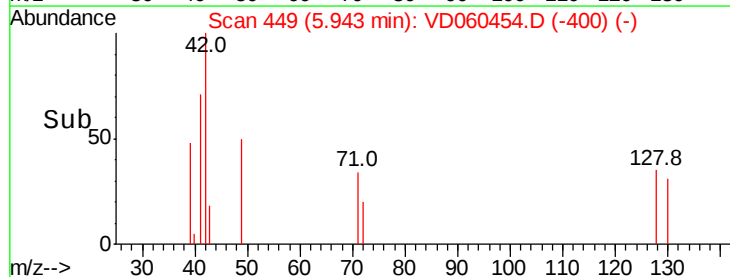
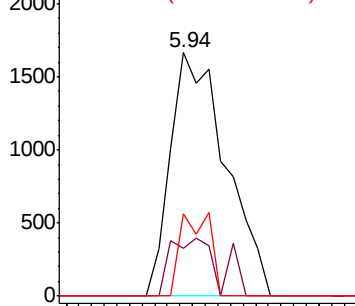
71 18.0 26.5 39.7#

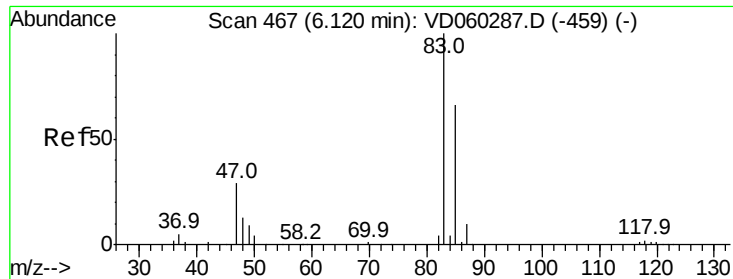


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

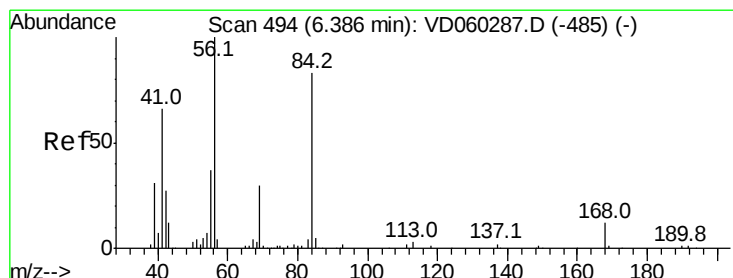
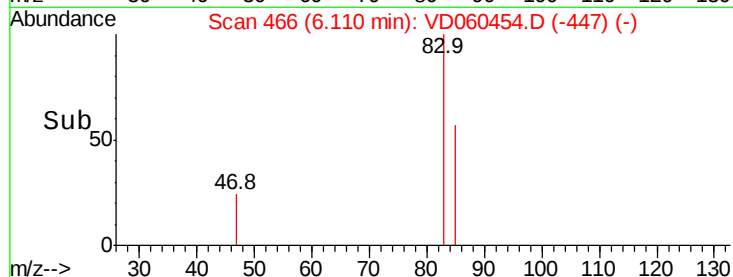
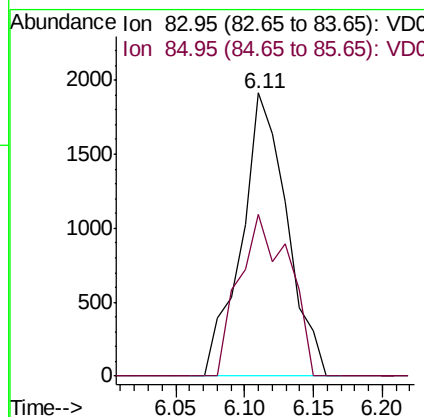
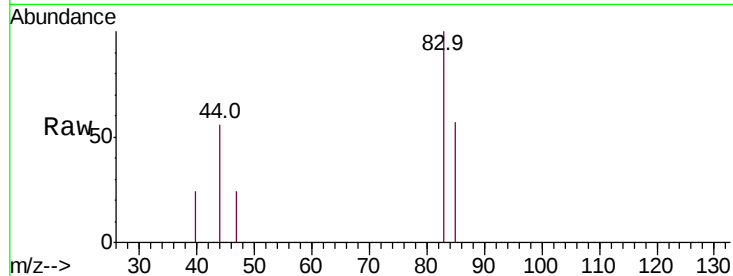




#30
Chloroform
Concen: 65.621 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

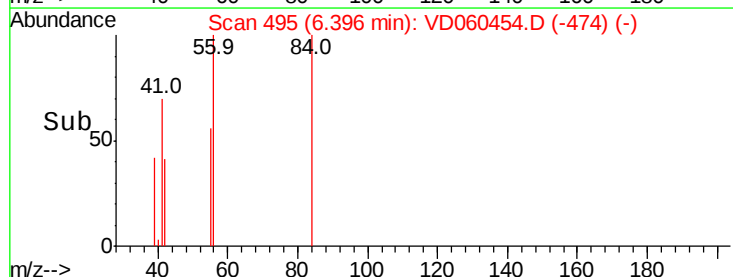
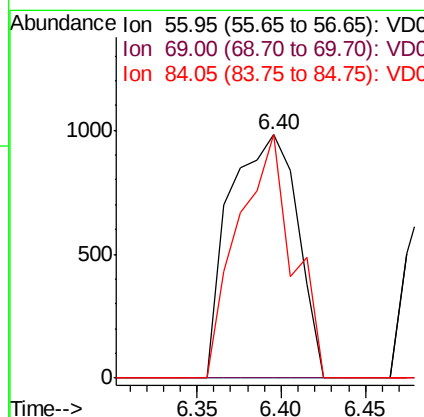
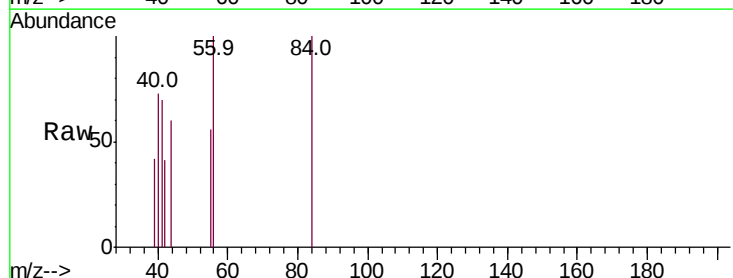
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

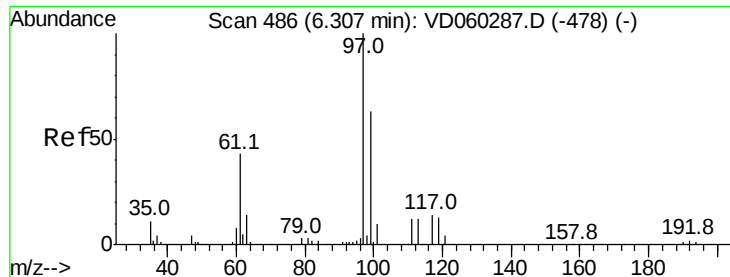
Tot Ion: 83 Resp: 4399
Ion Ratio Lower Upper
83 100
85 57.3 52.5 78.7



#31
Cyclohexane
Concen: 42.595 ug/l
RT: 6.40 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

Tgt Ion: 56 Resp: 2730
Ion Ratio Lower Upper
56 100
69 0.0 22.2 33.2#
84 100.1 63.0 94.4#





#32

1,1,1-Trichloroethane

Concen: 32.638 ug/l

RT: 6.31 min Scan# 486

Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

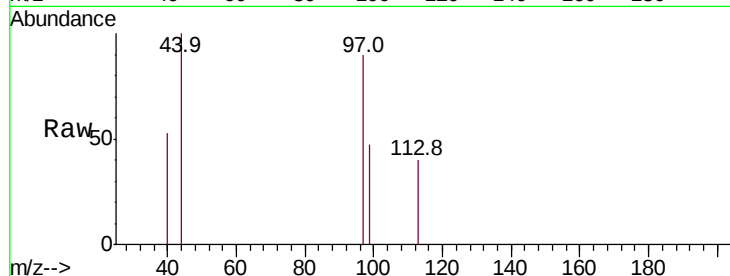
Tot Ion: 97 Resp: 1843

Ion Ratio Lower Upper

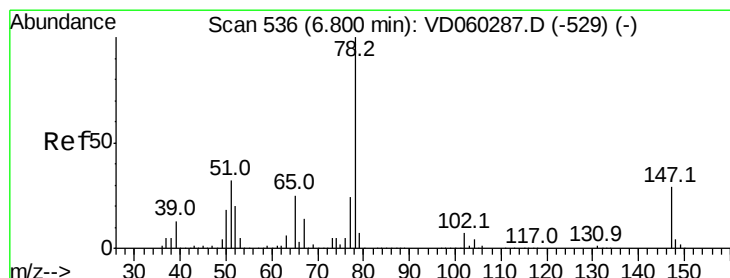
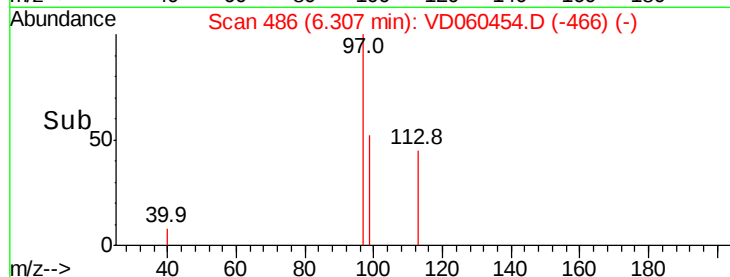
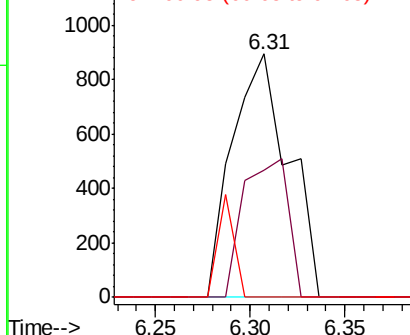
97 100

99 52.0 51.5 77.3

61 0.0 35.8 53.8#



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 32.638 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060454.D

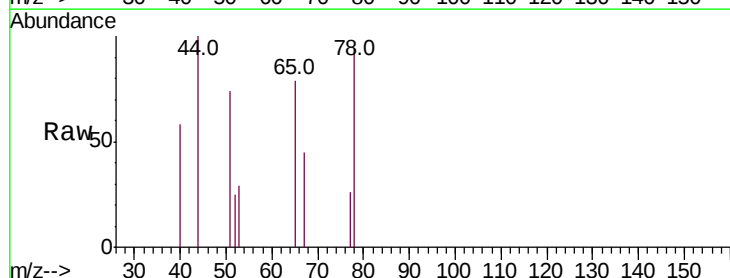
Acq: 26 Nov 2018 14:28

Tgt Ion: 65 Resp: 2105

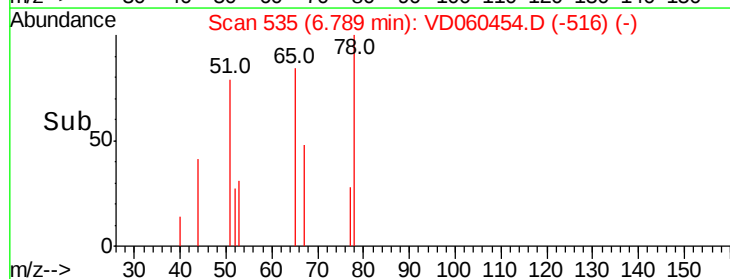
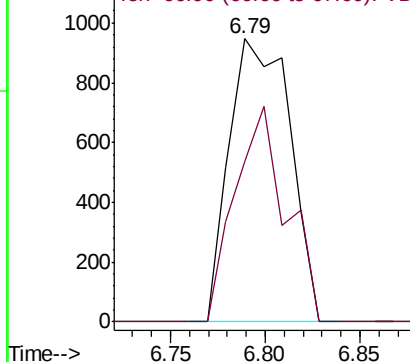
Ion Ratio Lower Upper

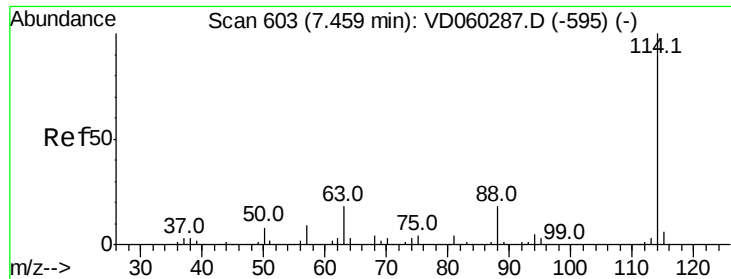
65 100

67 56.9 0.0 109.8



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

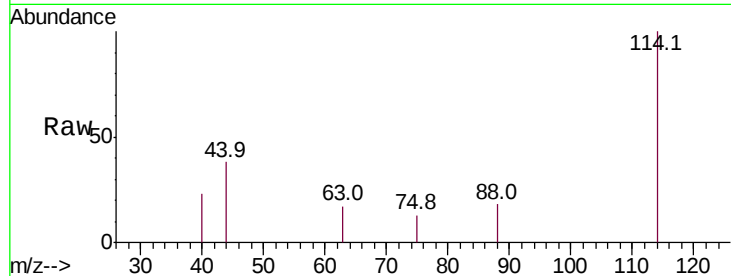




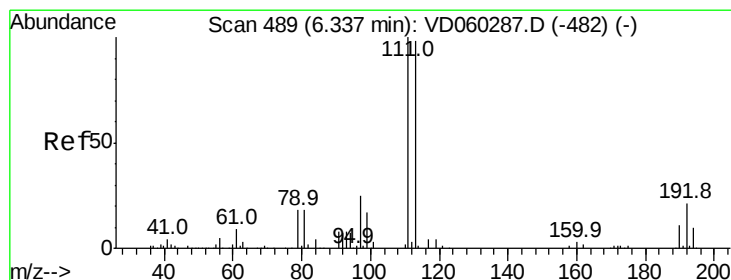
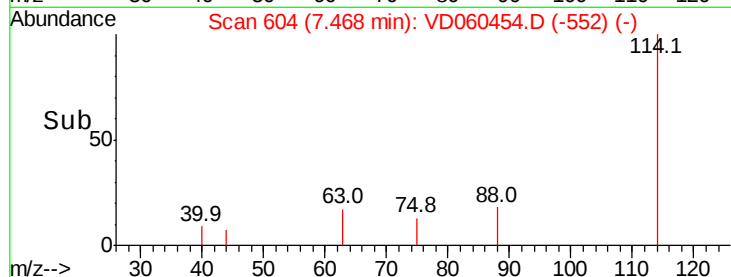
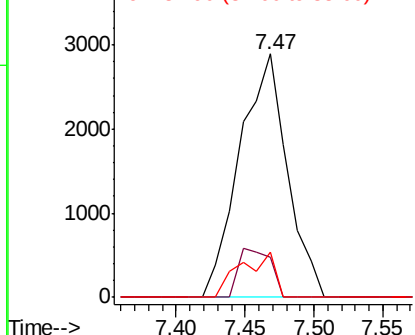
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD060454.D
 Acq: 26 Nov 2018 14:28

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

Tot Ion:114 Resp: 6958
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 34.0
 88 18.5 0.0 35.4

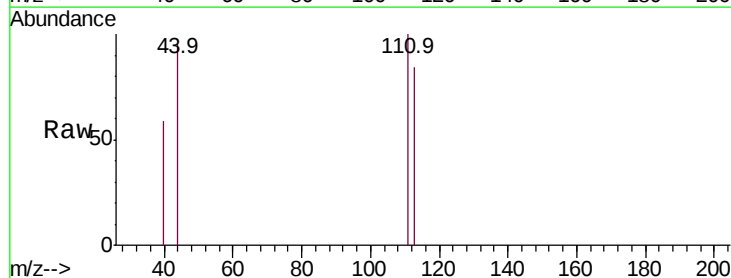


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

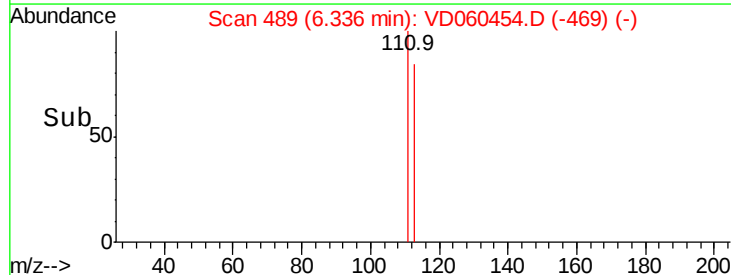
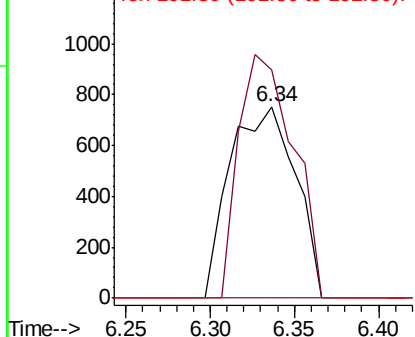


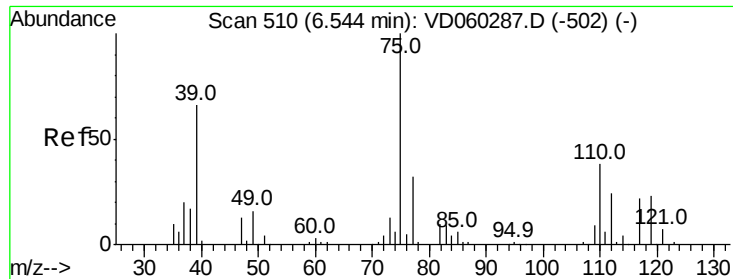
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: VD060454.D
 Acq: 26 Nov 2018 14:28

Tgt Ion:113 Resp: 2027
 Ion Ratio Lower Upper
 113 100
 111 119.0 81.6 122.4
 192 0.0 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: 35.204 ug/l

RT: 6.54 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

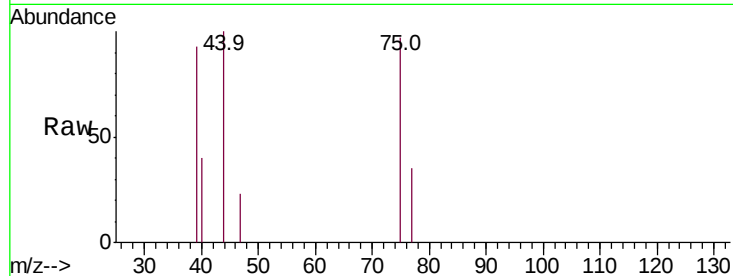
Tot Ion: 75 Resp: 2420

Ion Ratio Lower Upper

75 100

110 0.0 18.0 54.0#

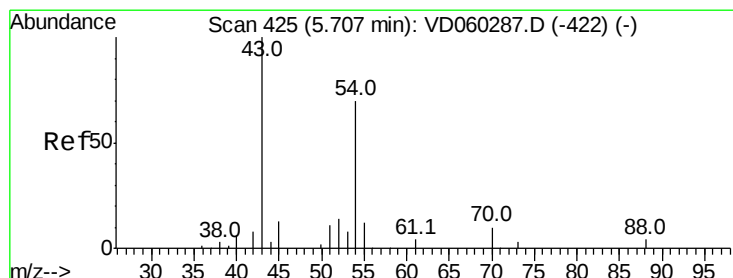
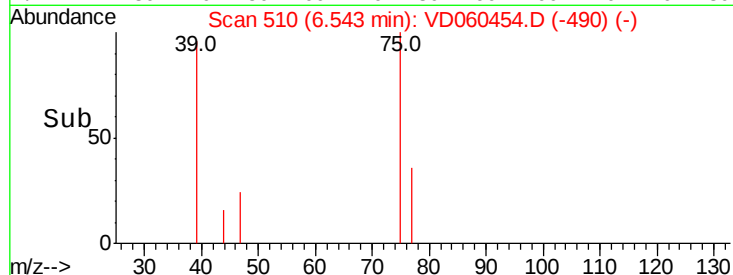
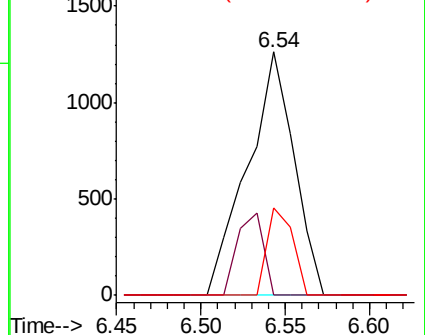
77 35.7 25.6 38.4



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: 77.200 ug/l

RT: 5.69 min Scan# 423

Delta R.T. -0.02 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

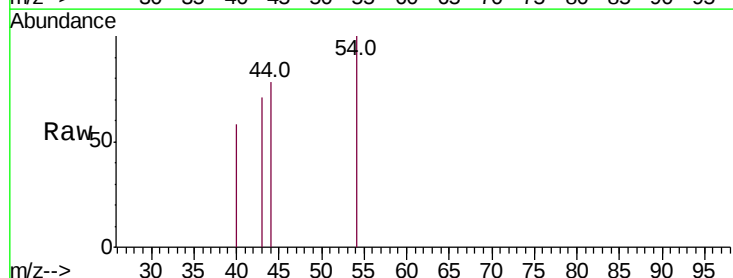
Tgt Ion: 43 Resp: 2442

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

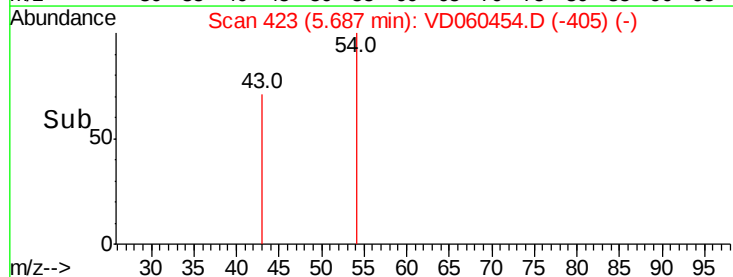
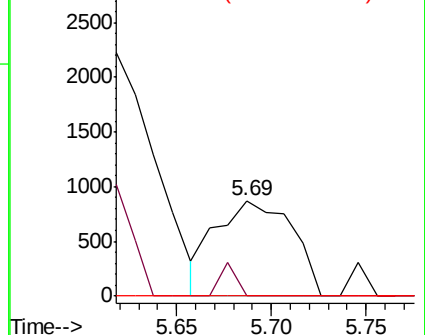
70 0.0 6.2 9.4#

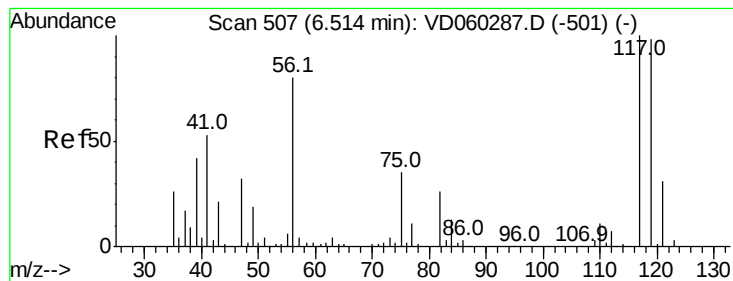


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 21.045 ug/l

RT: 6.50 min Scan# 506

Delta R.T. -0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

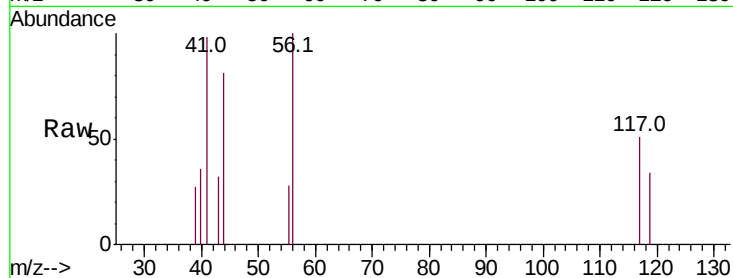
Tot Ion:117 Resp: 1342

Ion Ratio Lower Upper

117 100

119 67.3 76.6 115.0#

121 0.0 24.3 36.5#



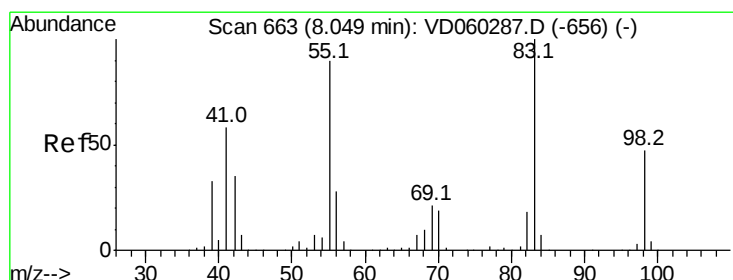
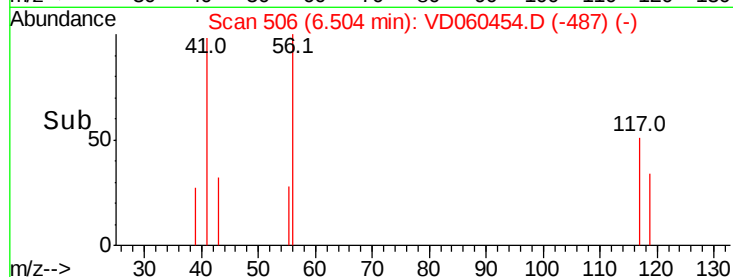
Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

6.50

Time-->



#39

Methylcyclohexane

Concen: 28.129 ug/l

RT: 8.06 min Scan# 664

Delta R.T. 0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

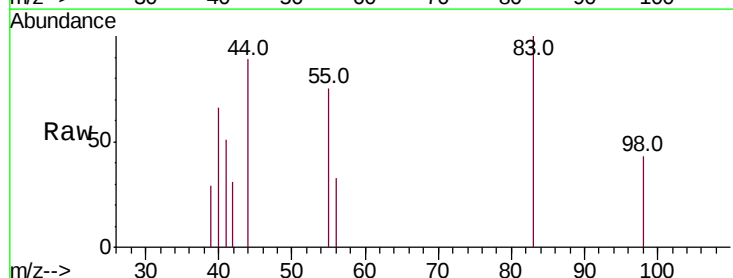
Tgt Ion: 83 Resp: 2224

Ion Ratio Lower Upper

83 100

55 74.6 71.2 106.8

98 43.3 38.4 57.6



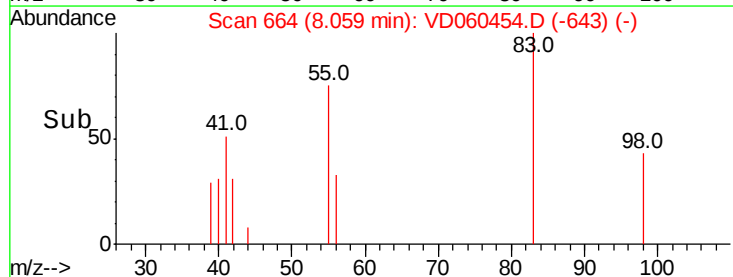
Abundance Ion 83.05 (82.75 to 83.75): V

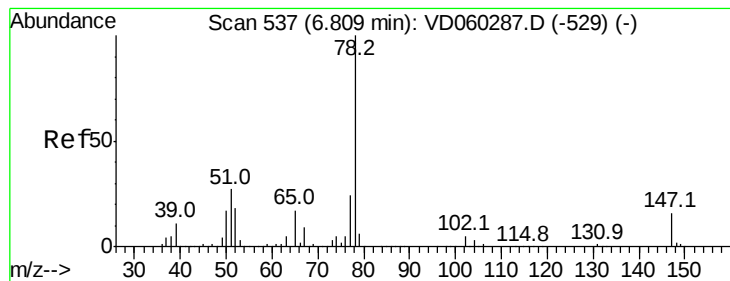
Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V

8.06

Time-->





#40

Benzene

Concen: 50.931 ug/l

RT: 6.81 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

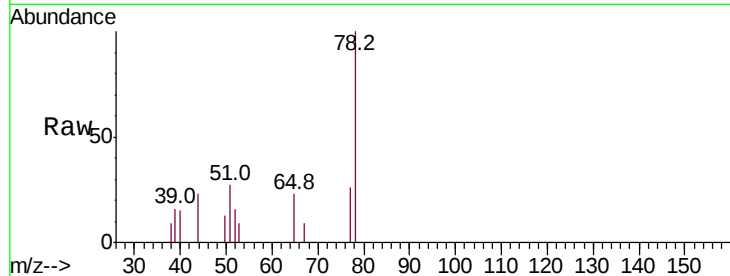
FDSB-05(25-27)

Tot Ion: 78 Resp: 8937

Ion Ratio Lower Upper

78 100

77 26.3 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

6.81

4000

3000

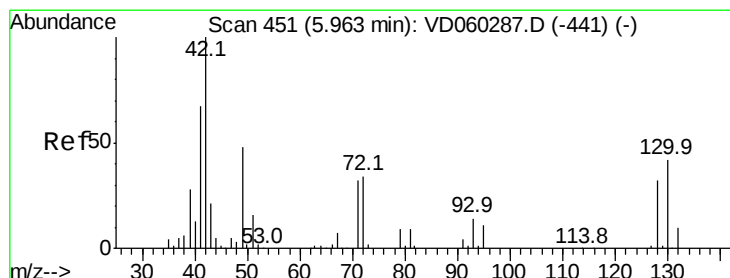
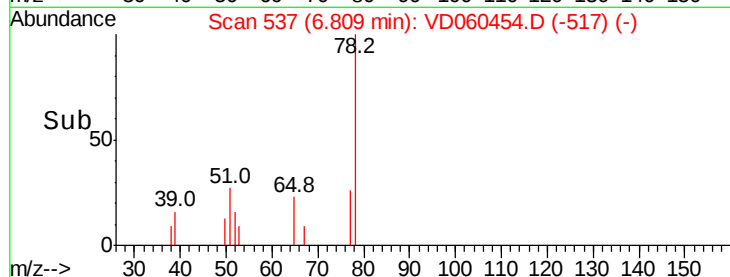
2000

1000

0

6.75 6.80 6.85 6.90

Time-->



#41

Methacrylonitrile

Concen: 141.639 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.03 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Tgt Ion: 41 Resp: 5128

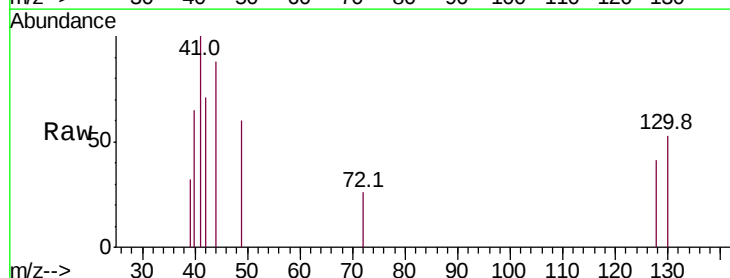
Ion Ratio Lower Upper

41 100

39 32.2 36.2 54.2#

67 0.0 11.9 17.9#

52 0.0 5.2 7.8#



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

2000

1500

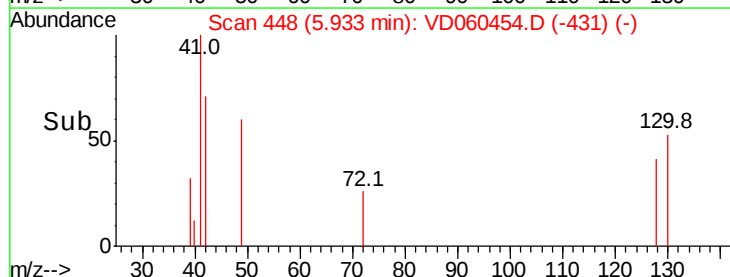
1000

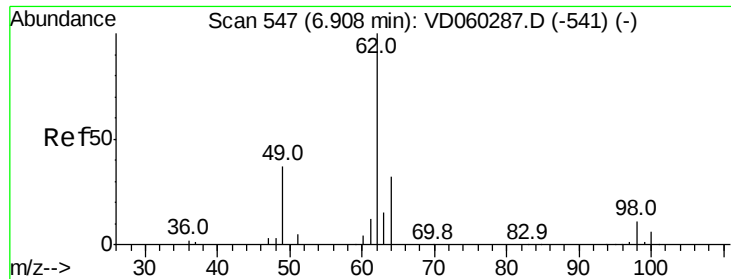
500

0

5.90 5.93 6.00

Time-->

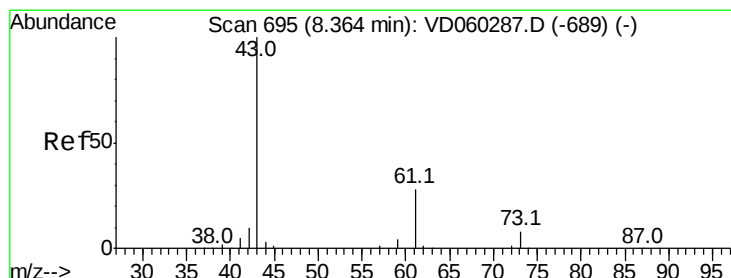
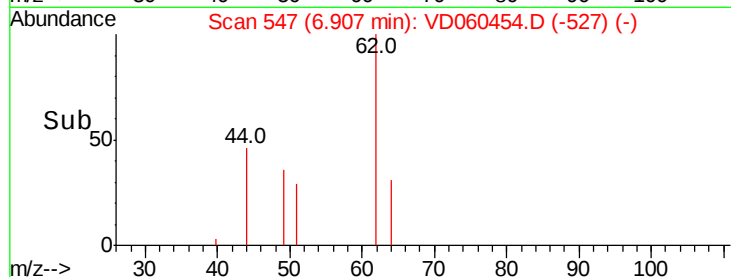
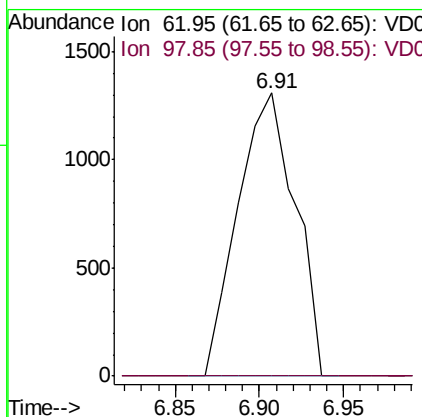
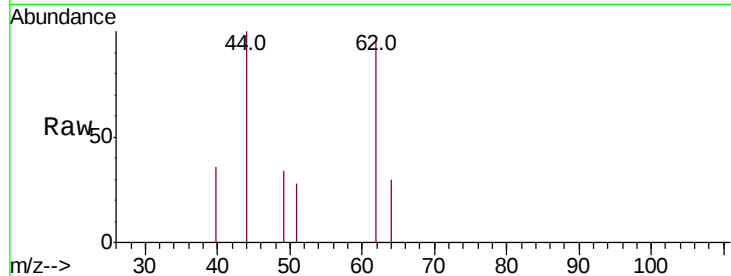




#42
 1,2-Dichloroethane
 Concen: 66.995 ug/l
 RT: 6.91 min Scan# 547
 Delta R.T. -0.00 min
 Lab File: VD060454.D
 Acq: 26 Nov 2018 14:28

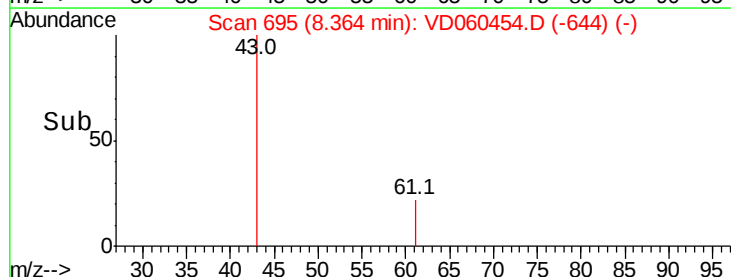
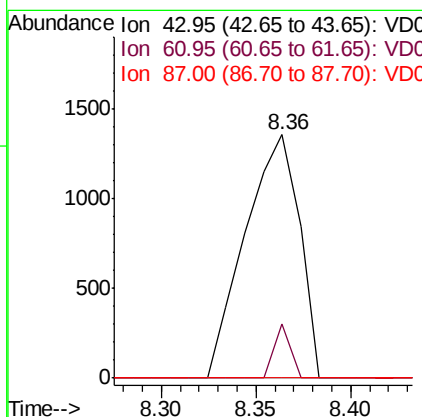
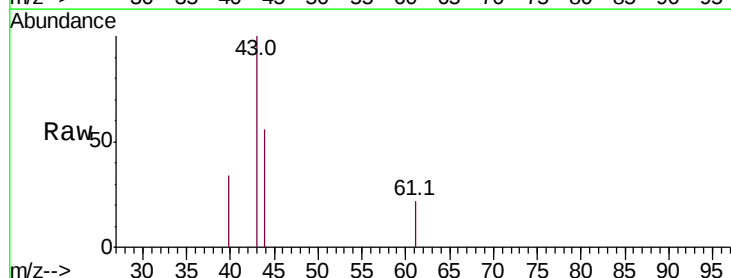
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)

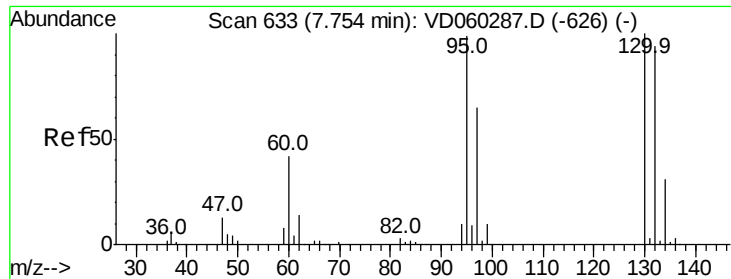
Tot Ion: 62 Resp: 3077
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 22.0



#43
 Isopropyl Acetate
 Concen: 67.876 ug/l
 RT: 8.36 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VD060454.D
 Acq: 26 Nov 2018 14:28

Tgt Ion: 43 Resp: 2697
 Ion Ratio Lower Upper
 43 100
 61 22.4 22.3 33.5
 87 0.0 0.2 0.2#





#44

Trichloroethene

Concen: 48.598 ug/l

RT: 7.75 min Scan# 633

Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

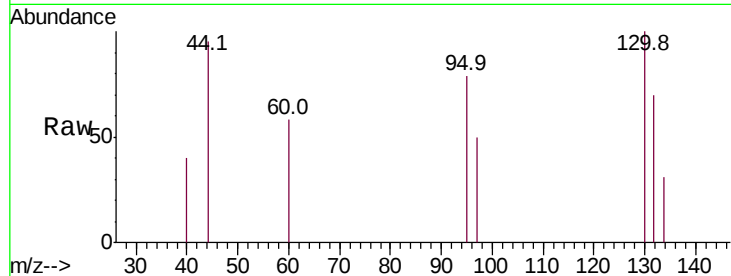
FDSB-05(25-27)

Tot Ion:130 Resp: 2585

Ion Ratio Lower Upper

130 100

95 79.0 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

1500

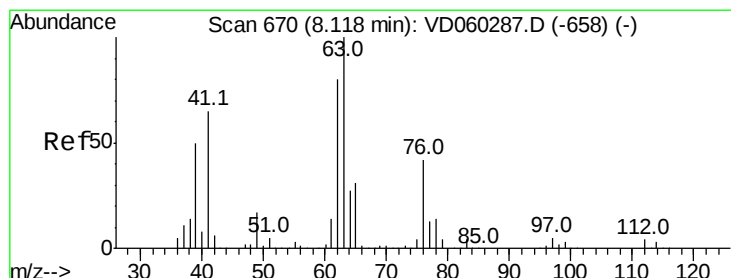
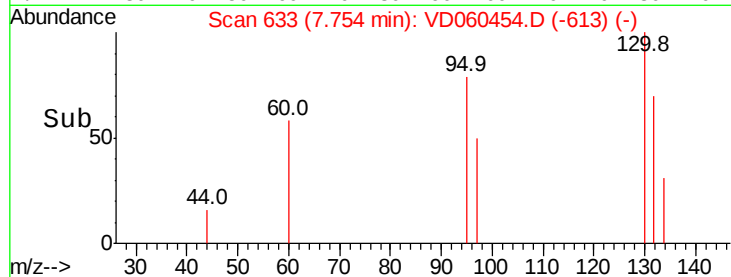
7.75

1000

500

0

Time-->



#45

1,2-Dichloropropane

Concen: 46.436 ug/l

RT: 8.12 min Scan# 670

Delta R.T. -0.00 min

Lab File: VD060454.D

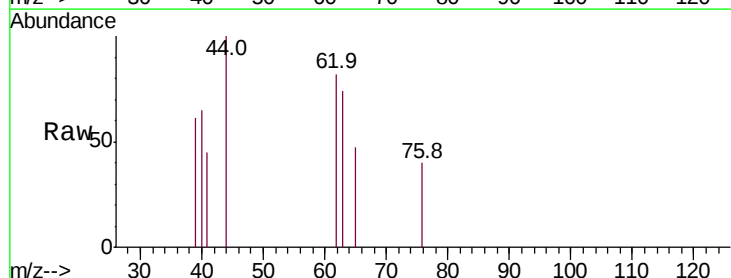
Acq: 26 Nov 2018 14:28

Tgt Ion: 63 Resp: 2055

Ion Ratio Lower Upper

63 100

65 63.1 23.4 35.2#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

800

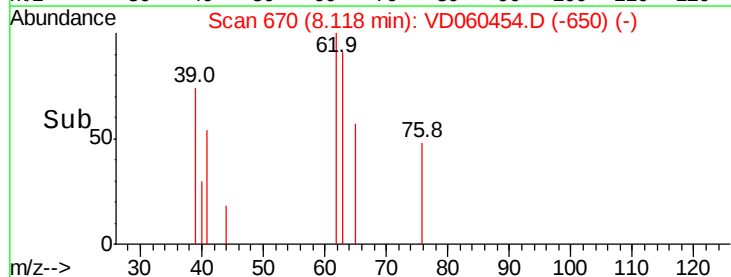
600

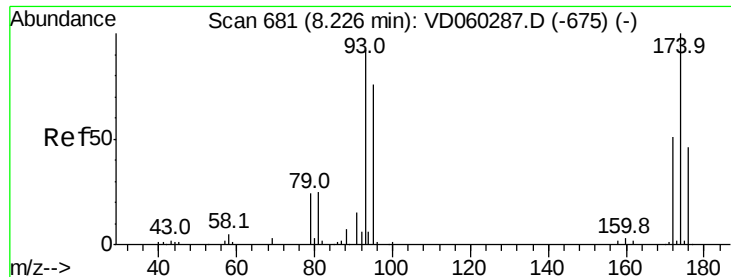
400

200

0

Time-->





#46

Dibromomethane

Concen: 75.504 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

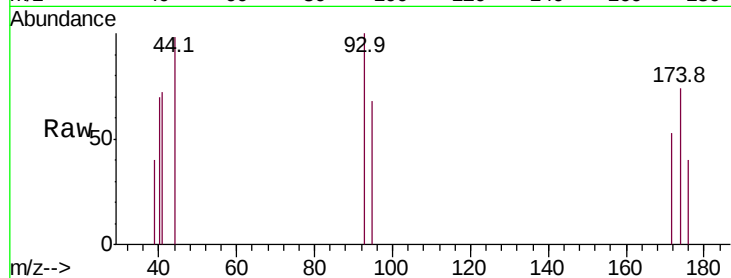
Tot Ion: 93 Resp: 1957

Ion Ratio Lower Upper

93 100

95 68.0 66.4 99.6

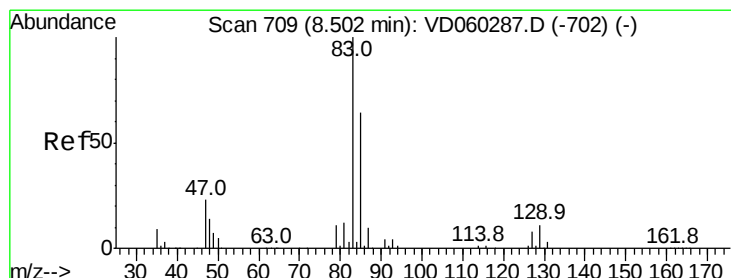
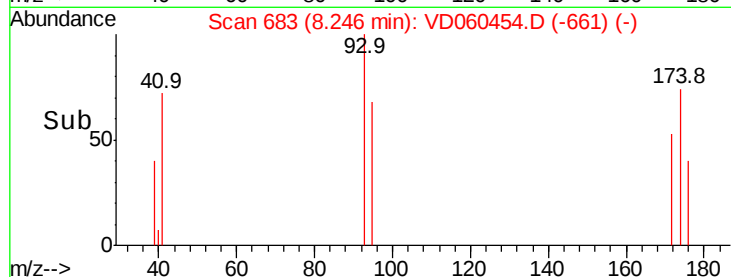
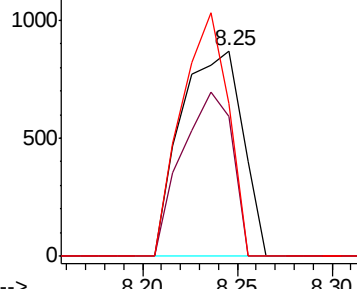
174 74.0 87.8 131.8#



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): V



#47

Bromodichloromethane

Concen: 34.808 ug/l

RT: 8.51 min Scan# 710

Delta R.T. 0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

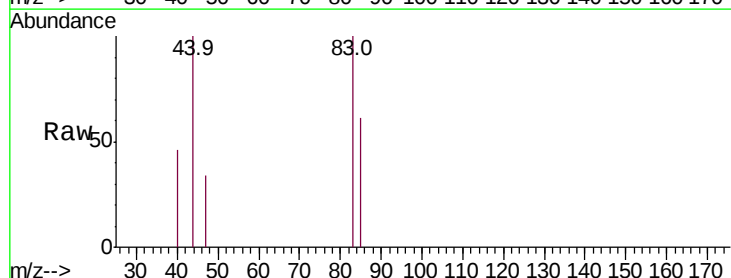
Tgt Ion: 83 Resp: 2126

Ion Ratio Lower Upper

83 100

85 61.3 51.0 76.6

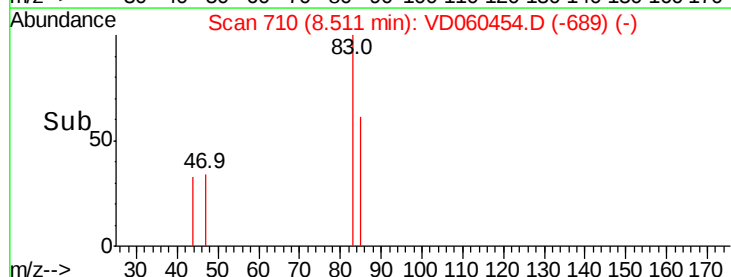
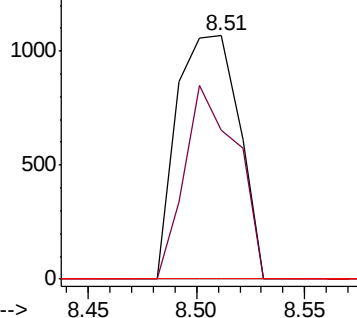
127 0.0 6.2 9.4#

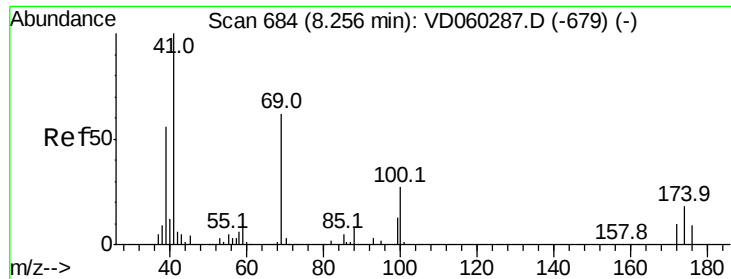


Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): V

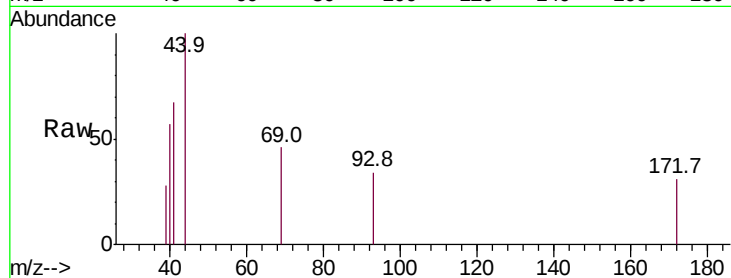




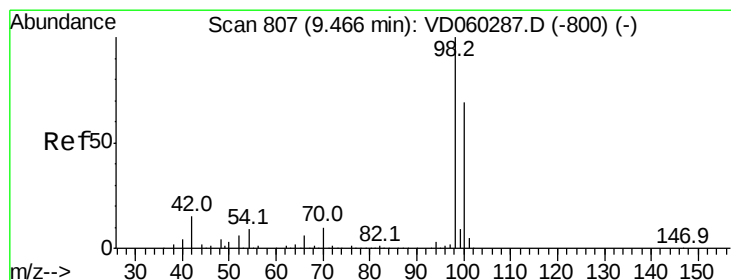
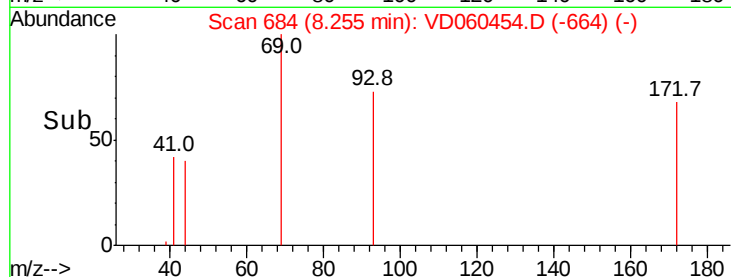
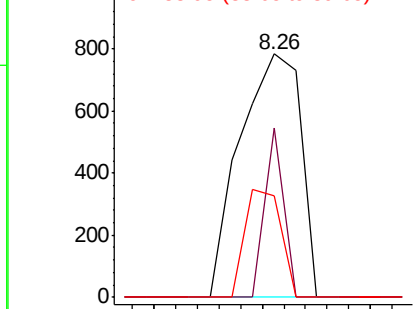
#48
Methyl methacrylate
Concen: 63.144 ug/l
RT: 8.26 min Scan# 684
Delta R.T. -0.00 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

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

Tot Ion: 41 Resp: 1524
Ion Ratio Lower Upper
41 100
69 69.8 47.0 70.4
39 41.6 46.2 69.4#

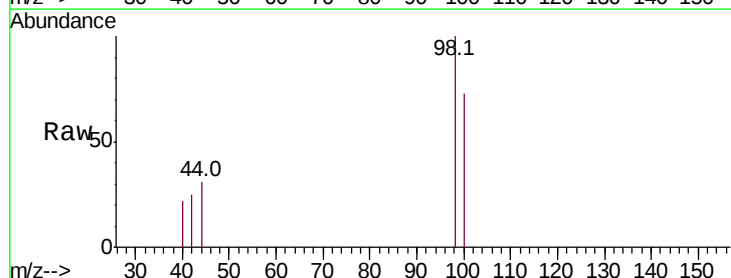


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

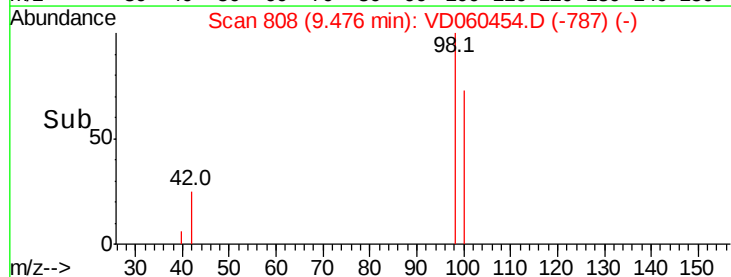
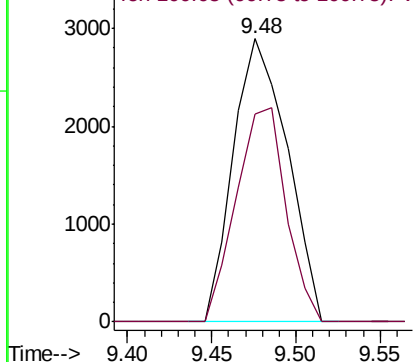


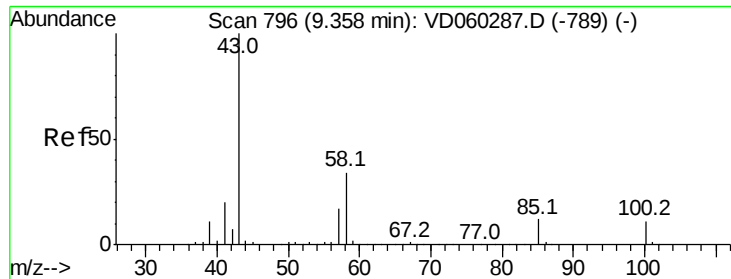
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.48 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

Tgt Ion: 98 Resp: 6429
Ion Ratio Lower Upper
98 100
100 73.5 55.2 82.8



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





#51

4-Methyl-2-Pentanone

Concen: 544.054 ug/l

RT: 9.36 min Scan# 796

Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

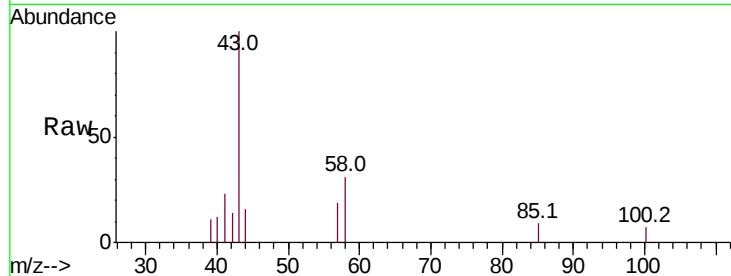
FDSB-05(25-27)

Tot Ion: 43 Resp: 14070

Ion Ratio Lower Upper

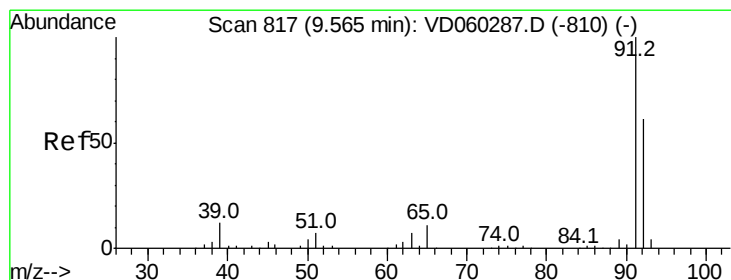
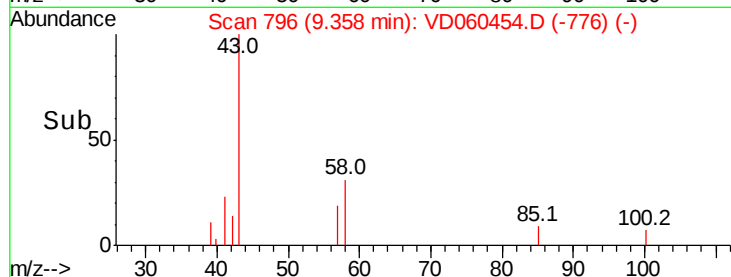
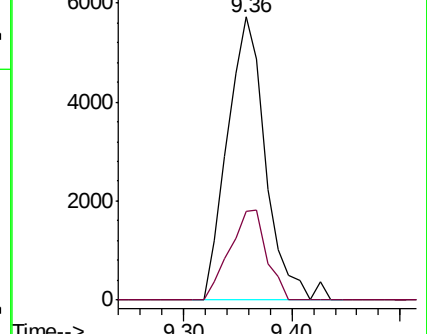
43 100

58 31.2 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 44.117 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060454.D

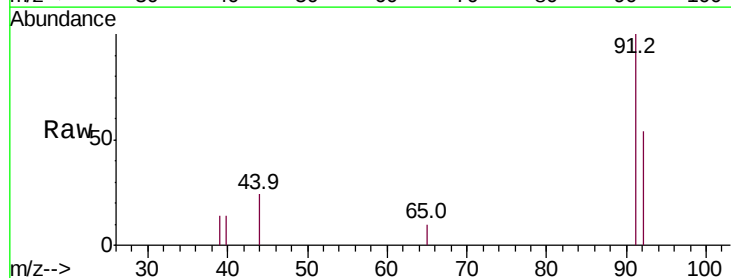
Acq: 26 Nov 2018 14:28

Tgt Ion: 92 Resp: 4945

Ion Ratio Lower Upper

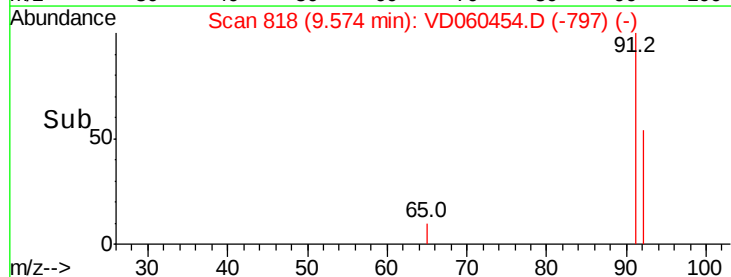
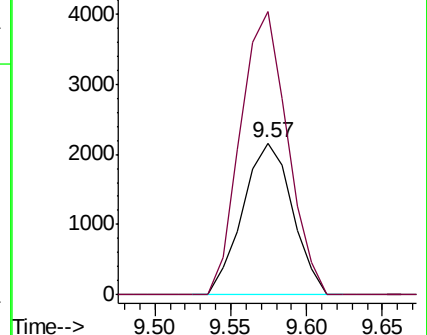
92 100

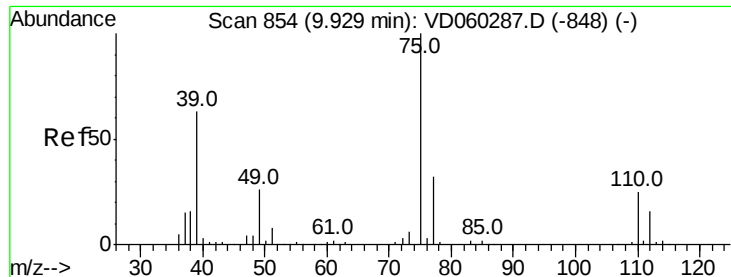
91 186.6 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.645 ug/l

RT: 9.94 min Scan# 855

Delta R.T. 0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

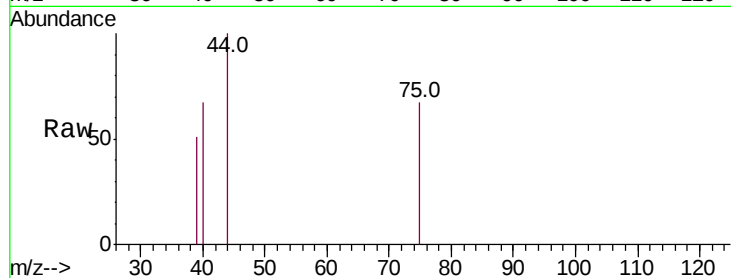
FDSB-05(25-27)

Tot Ion: 75 Resp: 1117

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

800

600

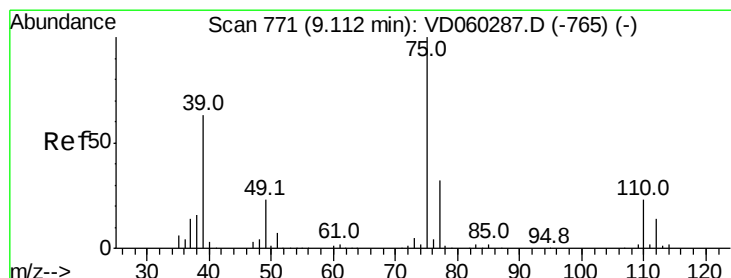
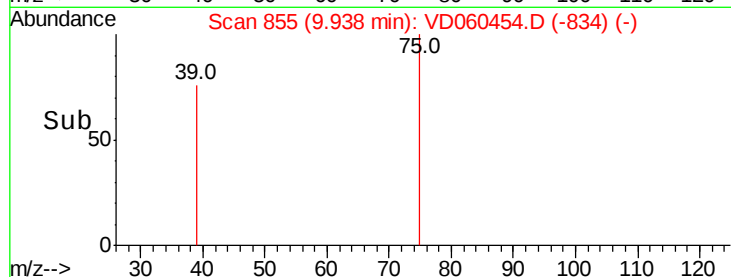
400

200

0

9.90 9.94 9.95

Time-->



#54

cis-1,3-Dichloropropene

Concen: 23.493 ug/l

RT: 9.11 min Scan# 771

Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

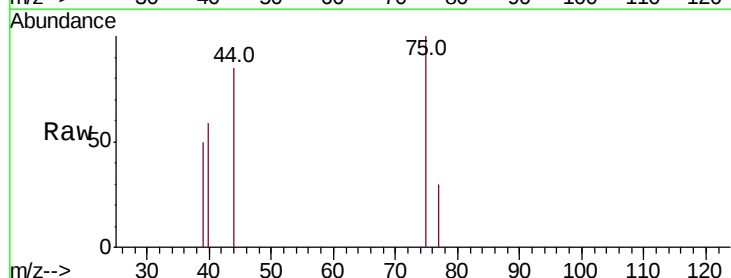
Tgt Ion: 75 Resp: 1555

Ion Ratio Lower Upper

75 100

77 30.1 26.3 39.5

39 50.5 50.8 76.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

1500

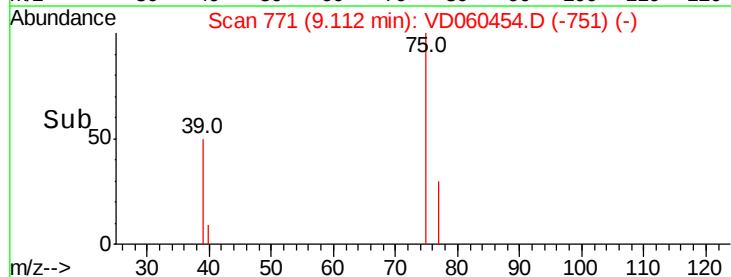
1000

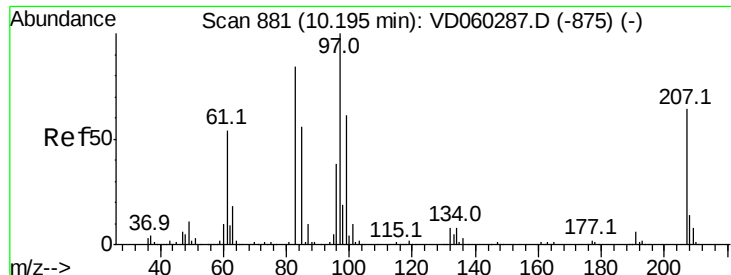
500

0

9.10 9.11 9.15

Time-->





#55

1,1,2-Trichloroethane

Concen: 64.856 ug/l

RT: 10.20 min Scan# 882

Delta R.T. 0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

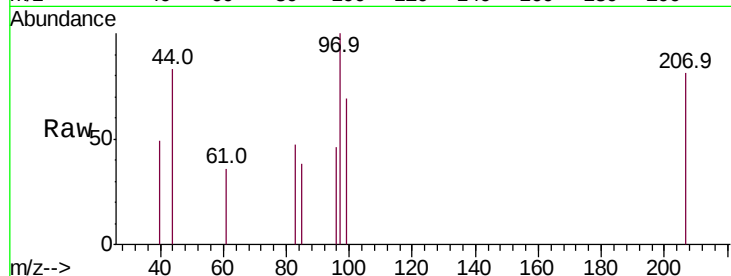
MSVOA_D

ClientSampleId :

FDSB-05(25-27)

Tot Ion: 97 Resp: 2107

Ion	Ratio	Lower	Upper
97	100		
83	46.6	68.4	102.6#
85	37.6	46.8	70.2#
99	68.9	49.5	74.3

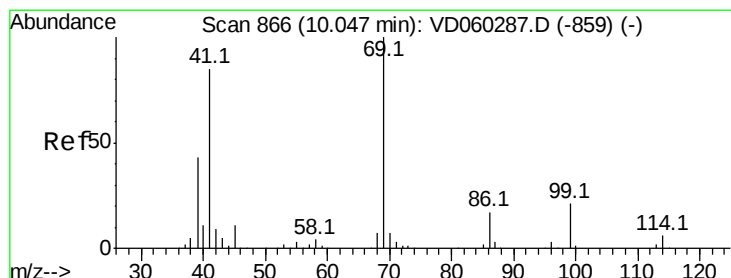
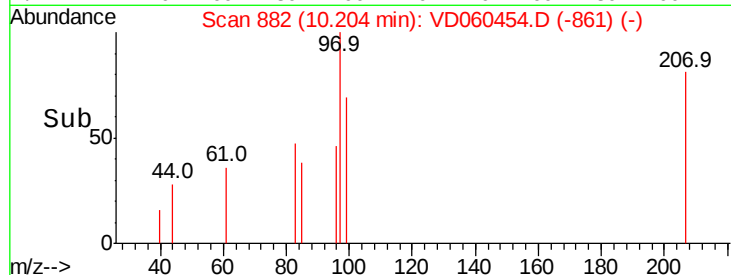
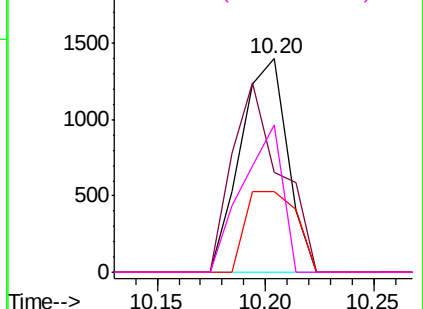


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 34.817 ug/l

RT: 10.05 min Scan# 866

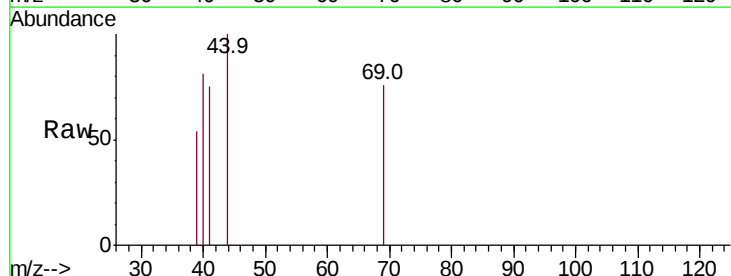
Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Tgt Ion: 69 Resp: 1040

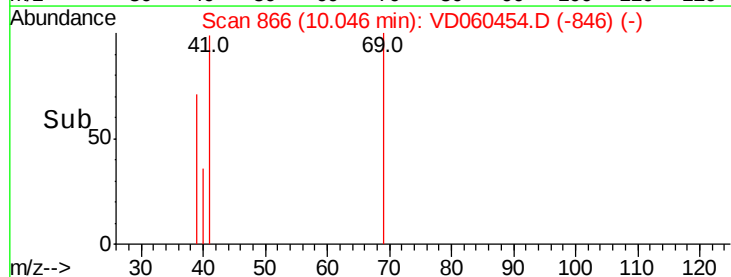
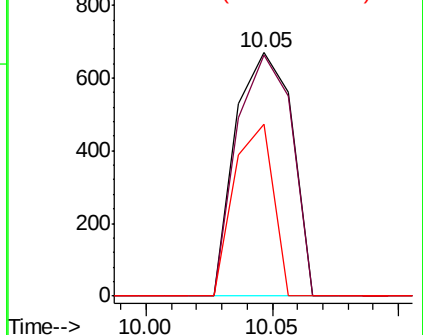
Ion	Ratio	Lower	Upper
69	100		
41	98.8	69.0	103.4
39	70.6	36.6	54.8#

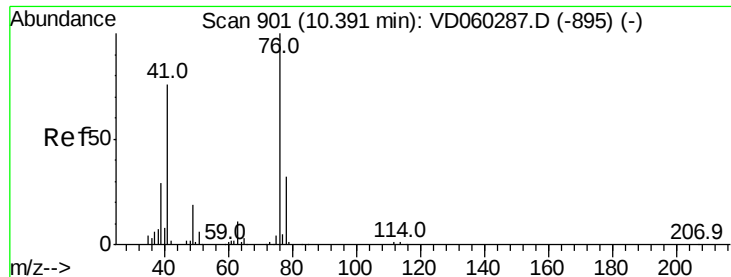


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 68.096 ug/l

RT: 10.40 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

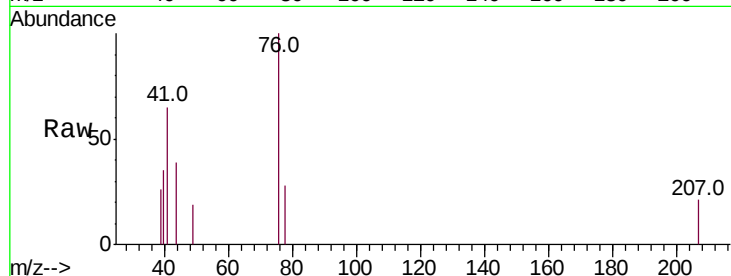
FDSB-05(25-27)

Tot Ion: 76 Resp: 3371

Ion Ratio Lower Upper

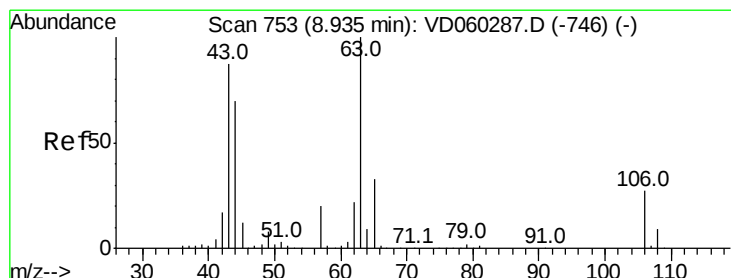
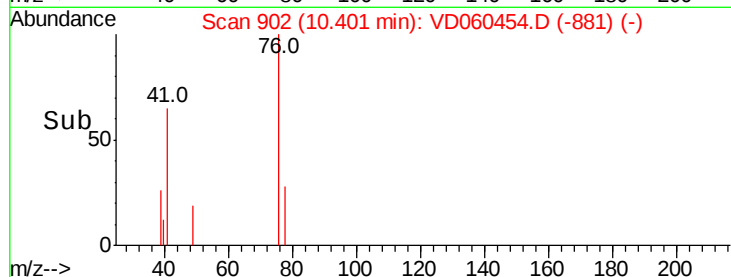
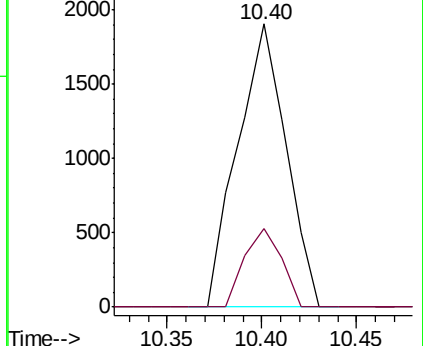
76 100

78 27.6 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 114.278 ug/l

RT: 8.94 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD060454.D

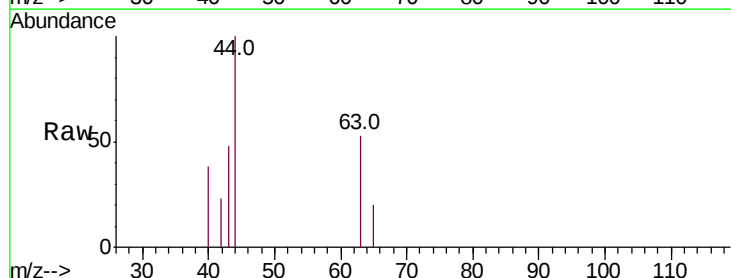
Acq: 26 Nov 2018 14:28

Tgt Ion: 63 Resp: 2064

Ion Ratio Lower Upper

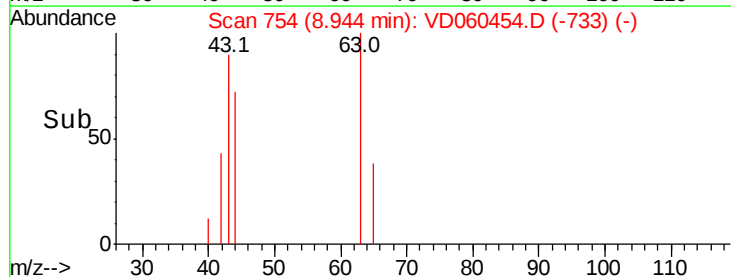
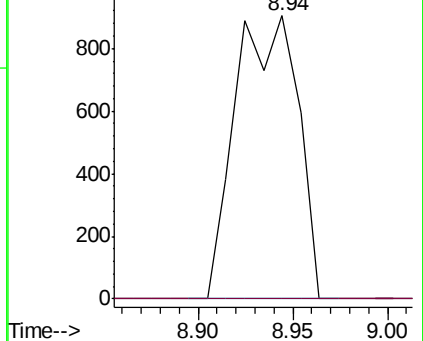
63 100

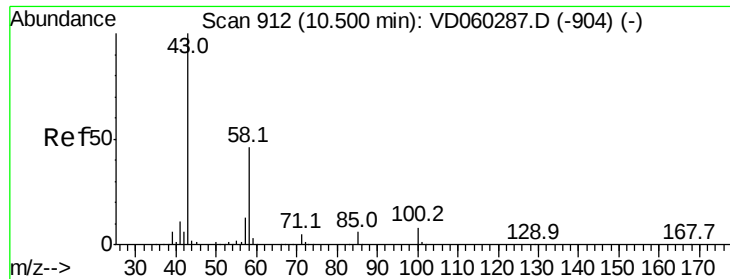
106 0.0 21.5 32.3#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

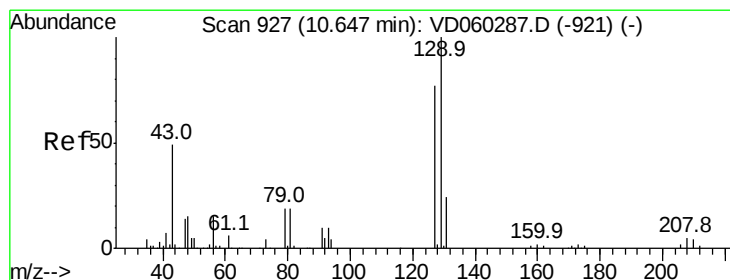
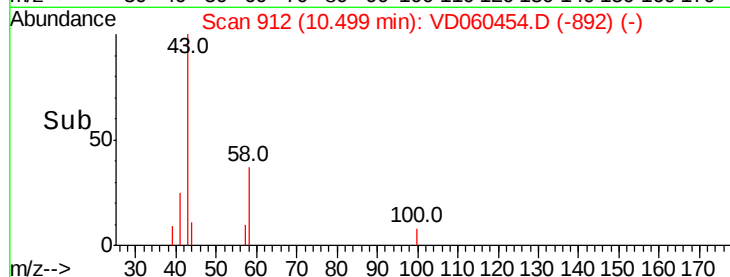
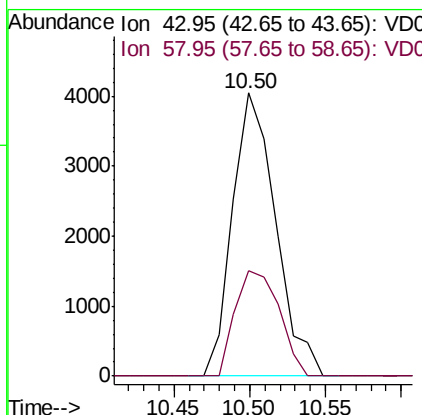
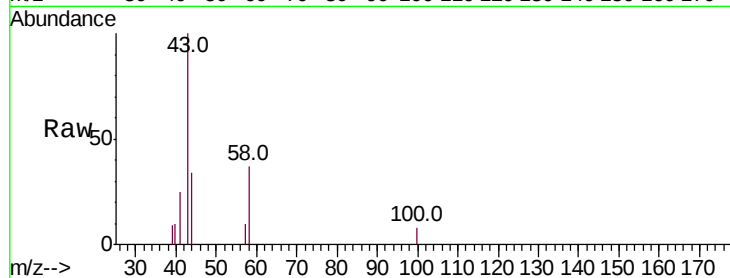




#59
2-Hexanone
Concen: 435.917 ug/l
RT: 10.50 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

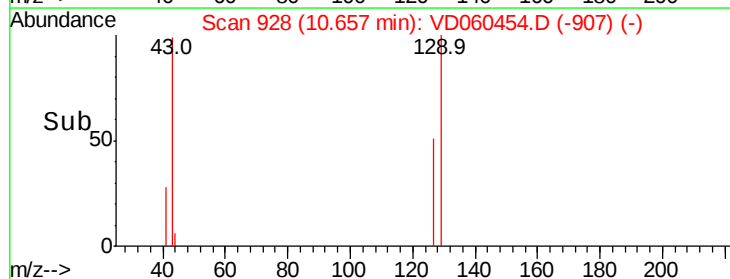
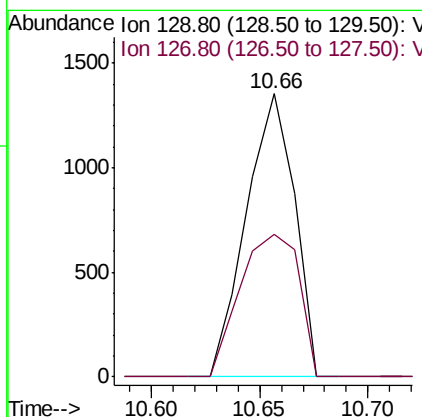
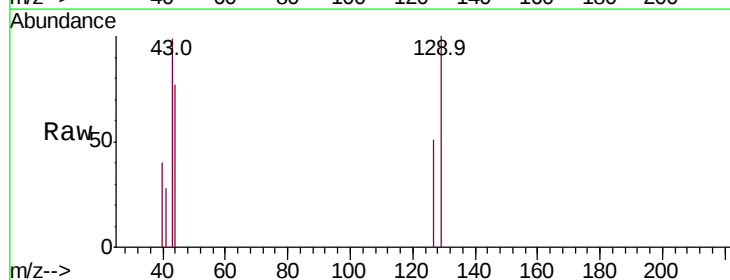
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

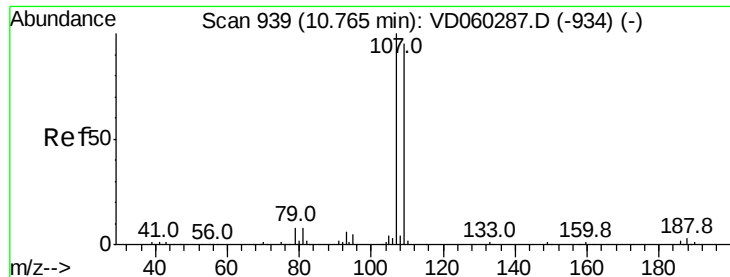
Tot Ion: 43 Resp: 8035
Ion Ratio Lower Upper
43 100
58 37.3 22.9 68.5



#60
Dibromochloromethane
Concen: 53.556 ug/l
RT: 10.66 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

Tgt Ion:129 Resp: 2115
Ion Ratio Lower Upper
129 100
127 50.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 47.987 ug/l

RT: 10.77 min Scan# 940

Delta R.T. 0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

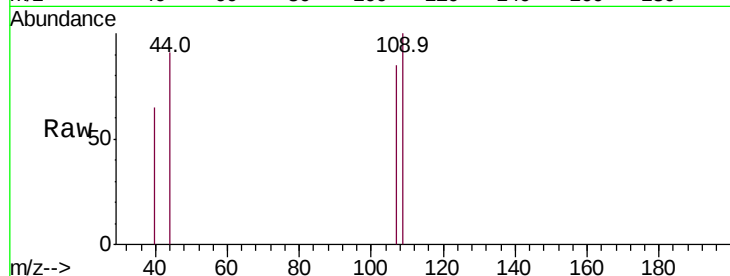
FDSB-05(25-27)

Tot Ion:107 Resp: 1562

Ion Ratio Lower Upper

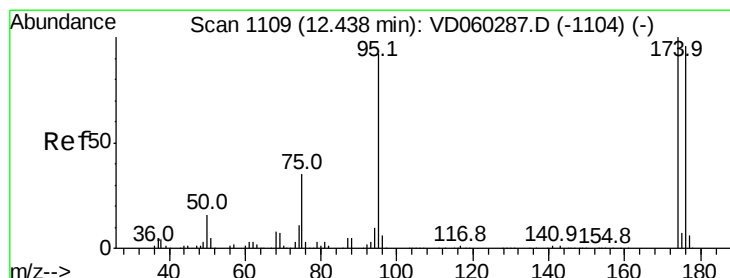
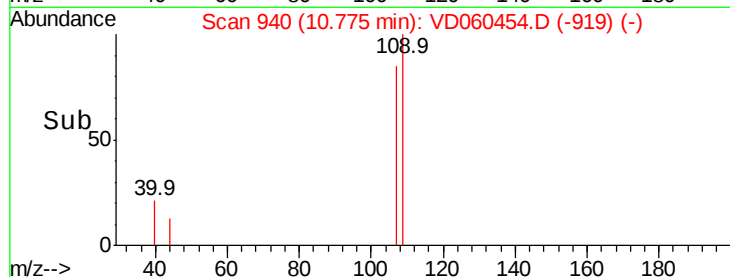
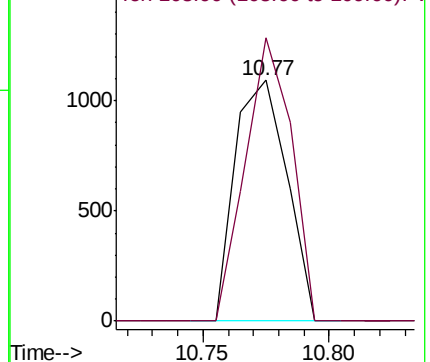
107 100

109 117.5 75.7 113.5#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 47.987 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

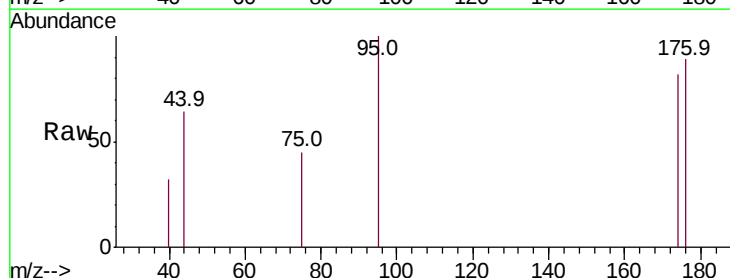
Tgt Ion: 95 Resp: 3091

Ion Ratio Lower Upper

95 100

174 82.4 0.0 160.8

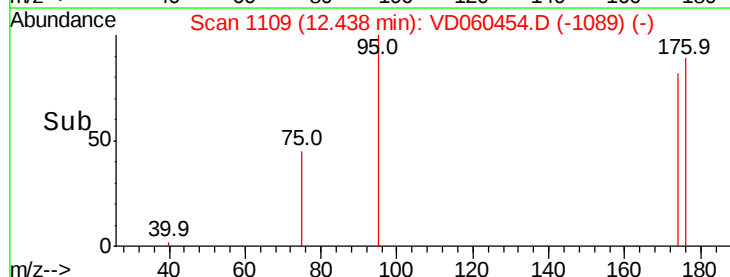
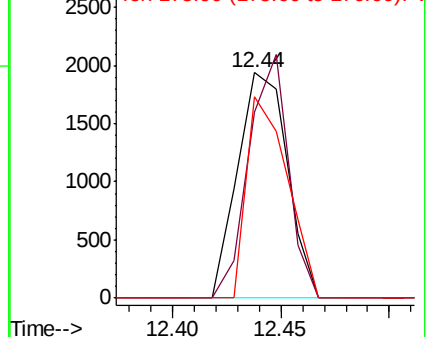
176 89.2 0.0 154.6

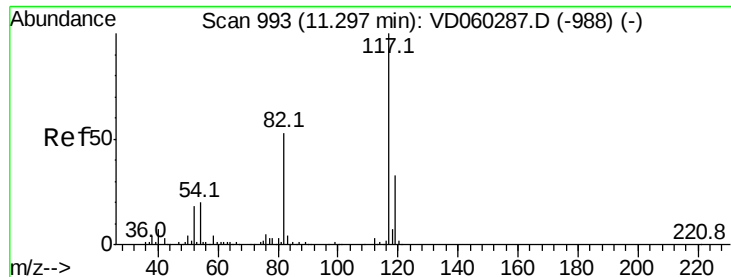


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

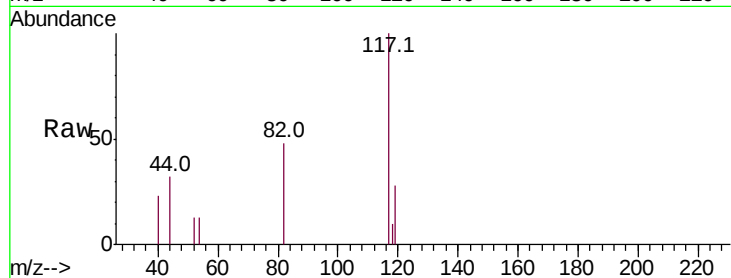




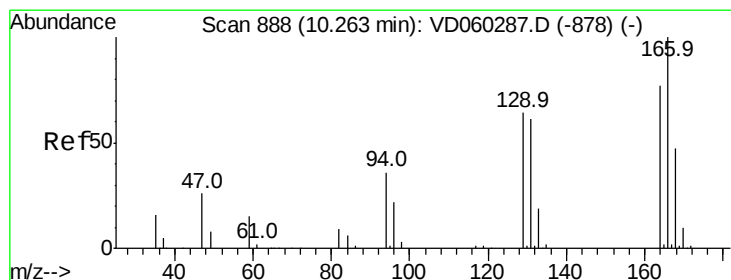
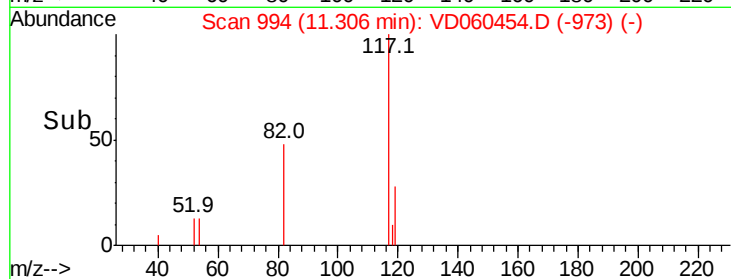
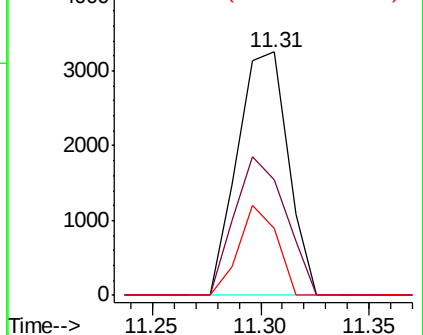
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

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

Tot Ion:117 Resp: 5293
Ion Ratio Lower Upper
117 100
82 47.7 43.7 65.5
119 27.6 26.1 39.1

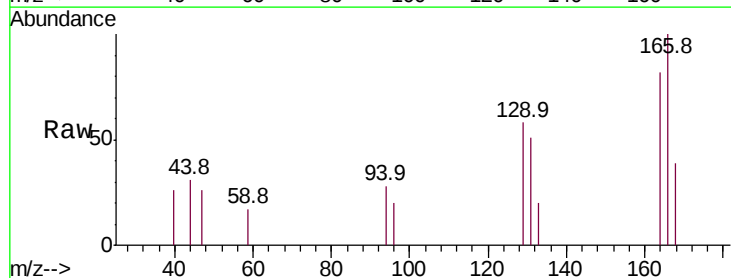


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

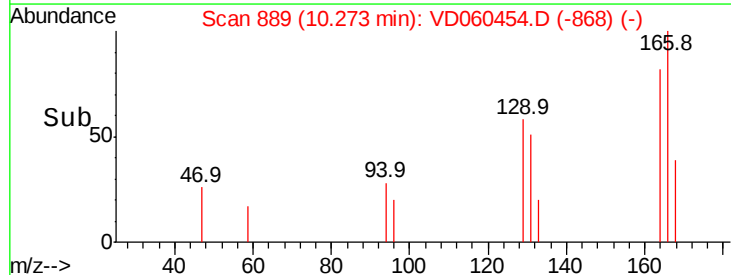
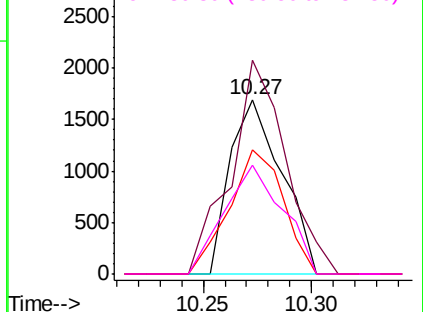


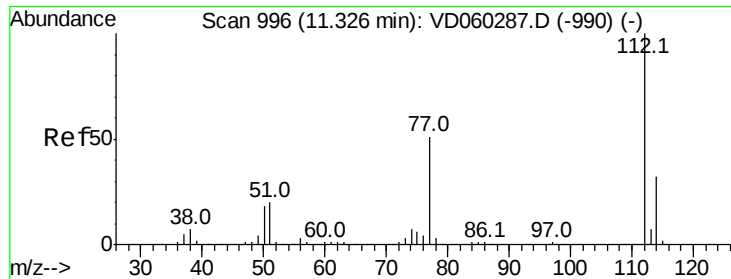
#64
Tetrachloroethene
Concen: 59.616 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

Tgt Ion:164 Resp: 2817
Ion Ratio Lower Upper
164 100
166 122.4 103.7 155.5
129 71.3 65.6 98.4
131 62.0 64.4 96.6#



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





#65

Chlorobenzene

Concen: 52.535 ug/l

RT: 11.33 min Scan# 996

Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

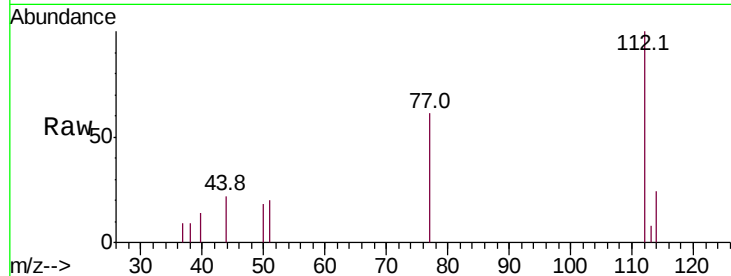
FDSB-05(25-27)

Tot Ion:112 Resp: 6025

Ion Ratio Lower Upper

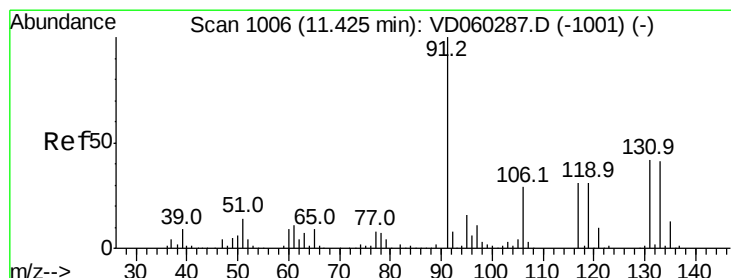
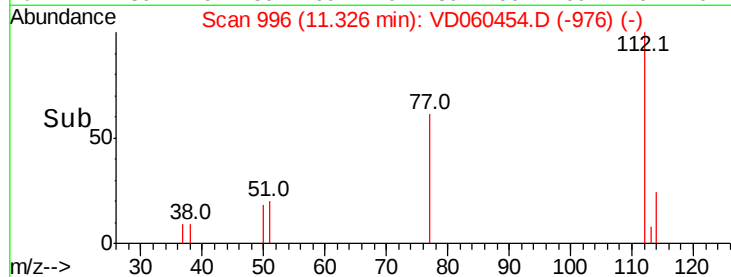
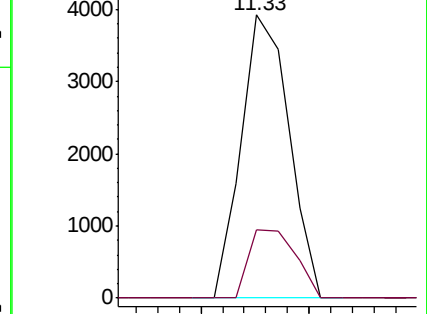
112 100

114 23.9 25.8 38.8#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 35.657 ug/l

RT: 11.43 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

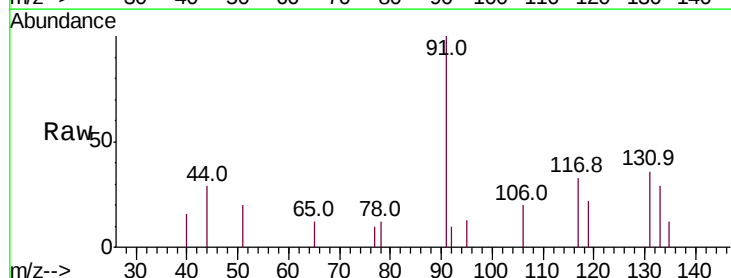
Tgt Ion:131 Resp: 1338

Ion Ratio Lower Upper

131 100

133 81.5 50.0 150.0

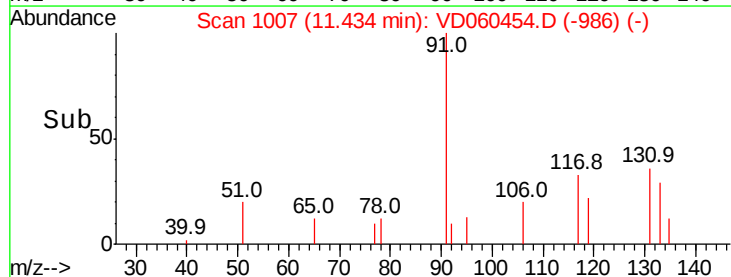
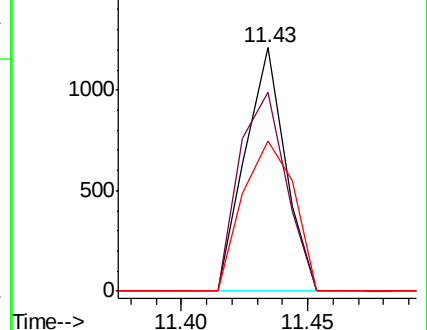
119 61.4 37.0 111.1

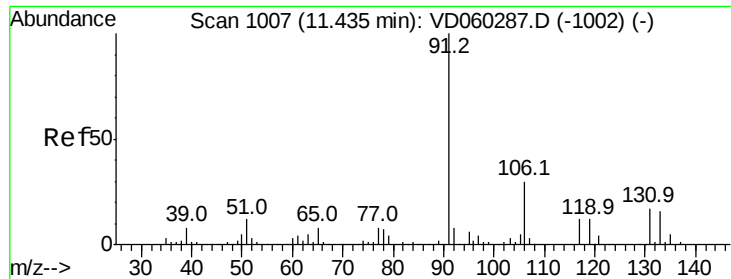


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

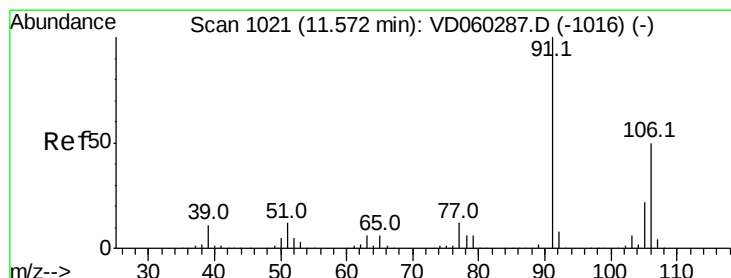
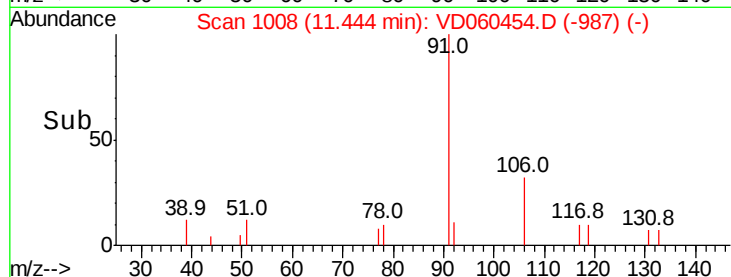
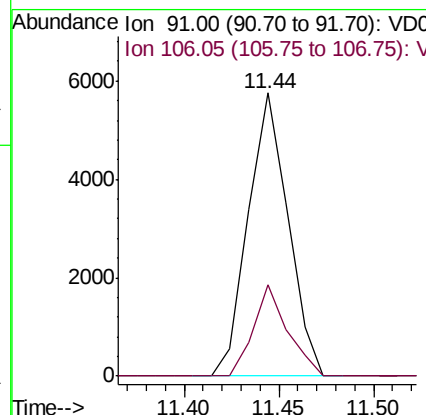
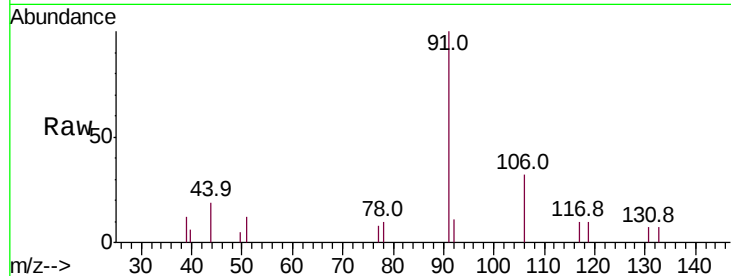




#67
Ethyl Benzene
Concen: 42.827 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

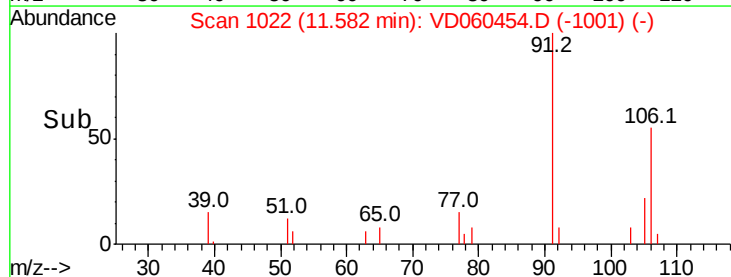
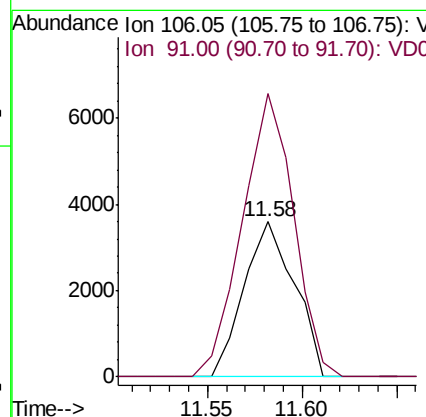
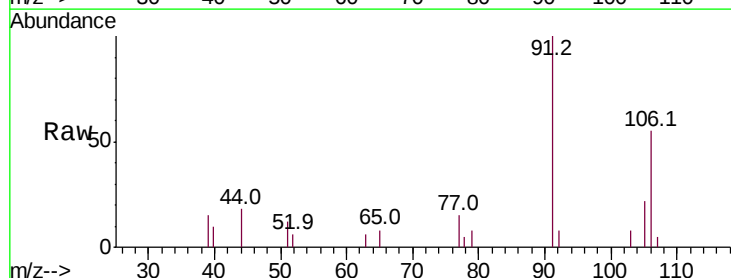
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

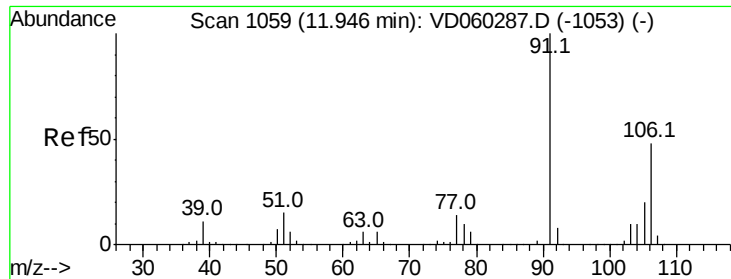
Tot Ion: 91 Resp: 8402
Ion Ratio Lower Upper
91 100
106 32.3 24.6 36.8



#68
m/p-Xylenes
Concen: 91.766 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

Tgt Ion:106 Resp: 6641
Ion Ratio Lower Upper
106 100
91 182.9 159.4 239.2

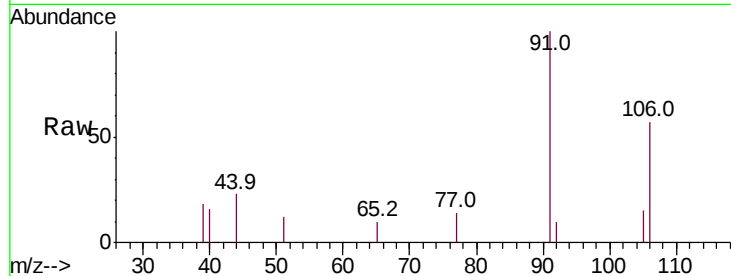




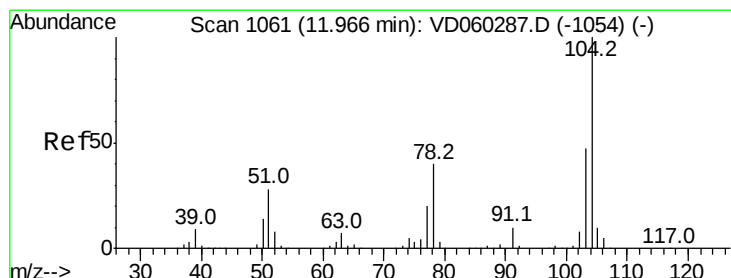
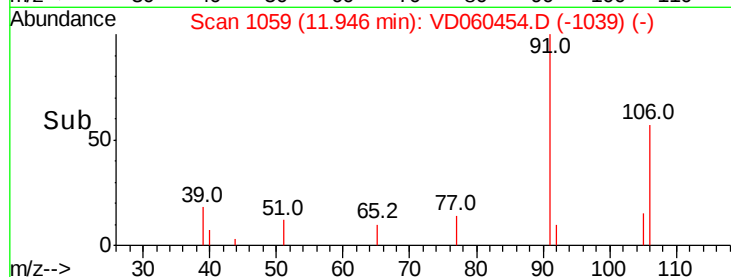
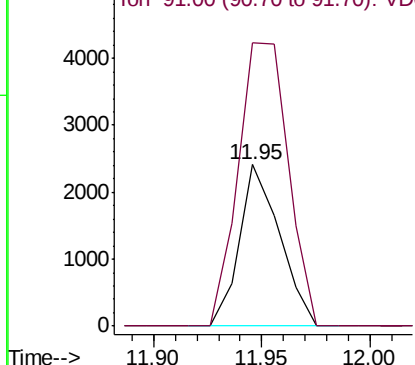
#69
o-Xylene
Concen: 44.397 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

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

Tot Ion:106 Resp: 3104
Ion Ratio Lower Upper
106 100
91 175.5 109.2 327.6

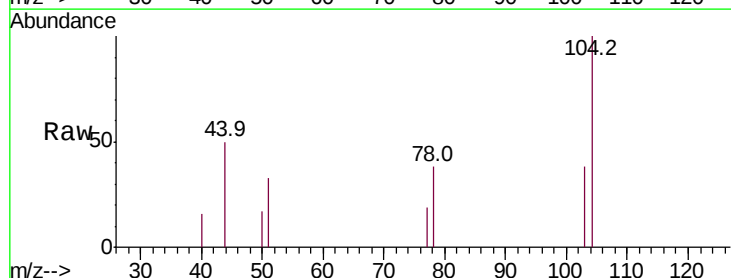


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

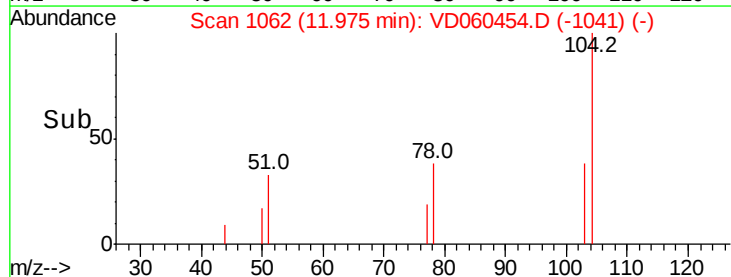
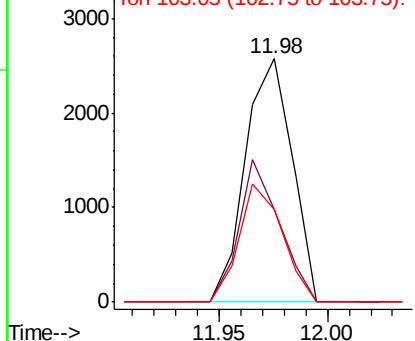


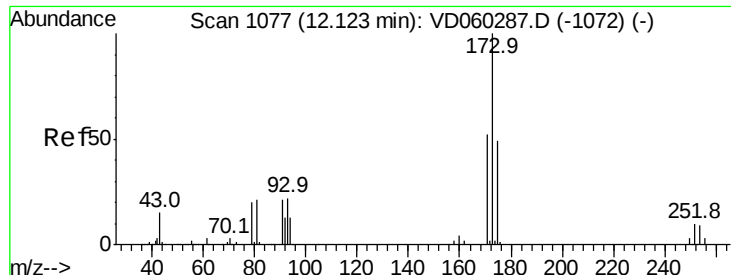
#70
Styrene
Concen: 34.074 ug/l
RT: 11.98 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

Tgt Ion:104 Resp: 3850
Ion Ratio Lower Upper
104 100
78 37.8 31.6 47.4
103 37.8 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





#71

Bromoform

Concen: 29.031 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

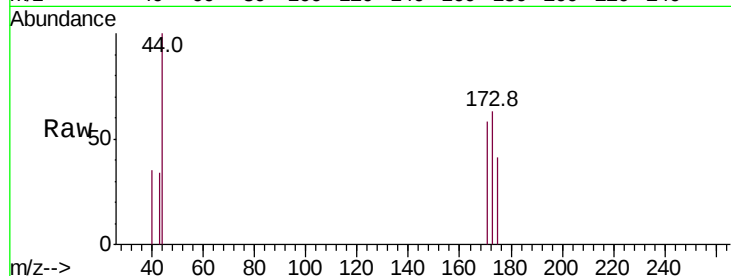
Tot Ion:173 Resp: 732

Ion Ratio Lower Upper

173 100

175 64.5 24.3 73.0

254 0.0 8.3 12.5#

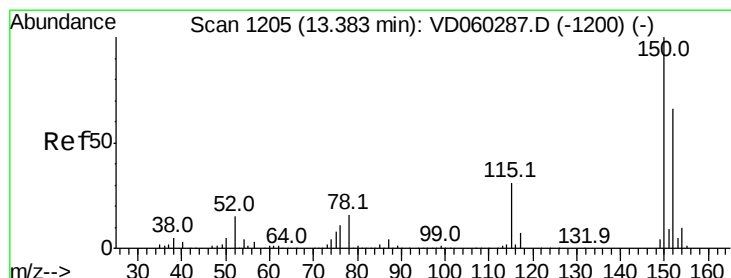
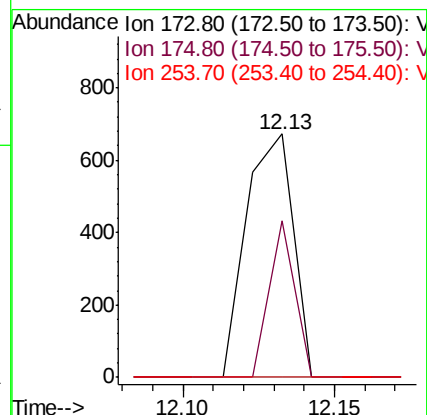
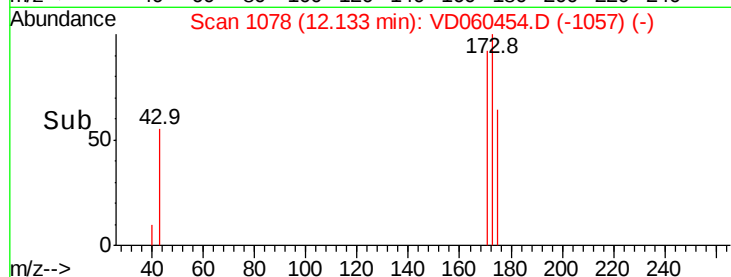


Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V

12.13



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

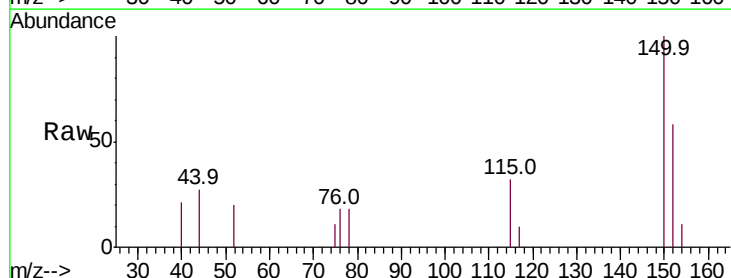
Tgt Ion:152 Resp: 2429

Ion Ratio Lower Upper

152 100

115 56.4 24.1 72.3

150 173.8 0.0 310.6

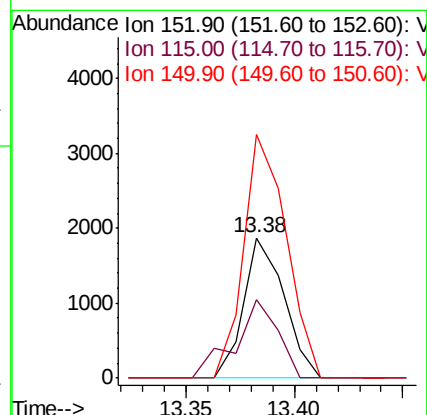
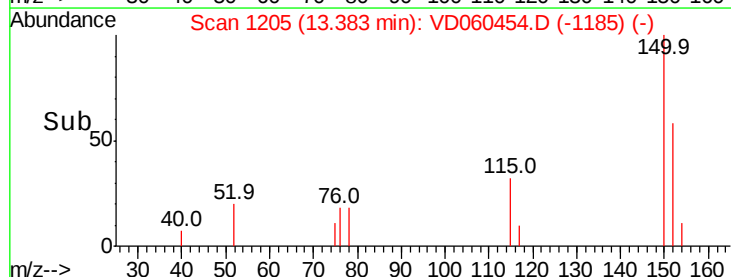


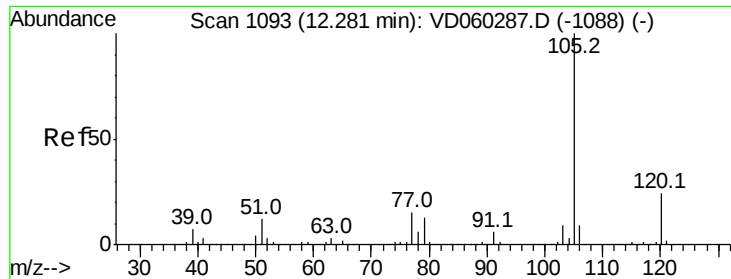
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

13.38





#73

Isopropylbenzene

Concen: 45.703 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

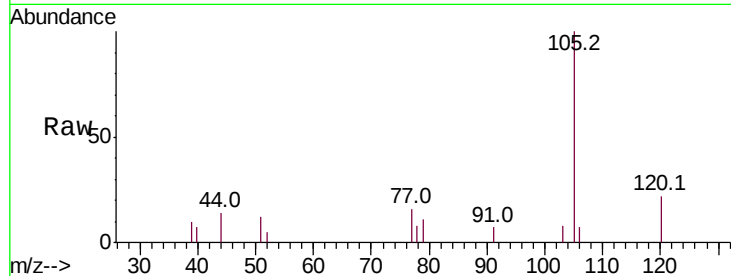
FDSB-05(25-27)

Tot Ion:105 Resp: 8088

Ion Ratio Lower Upper

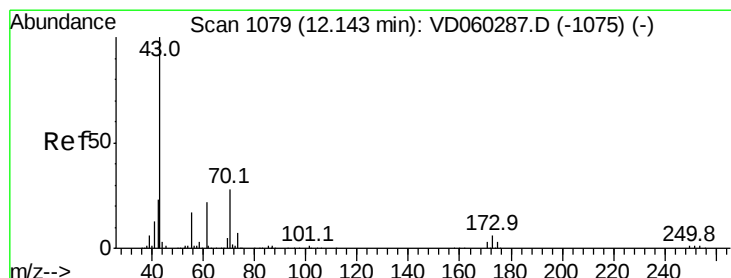
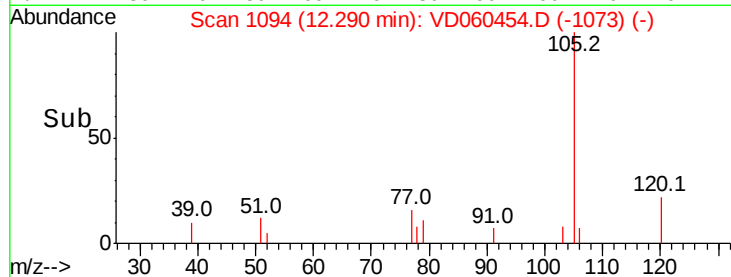
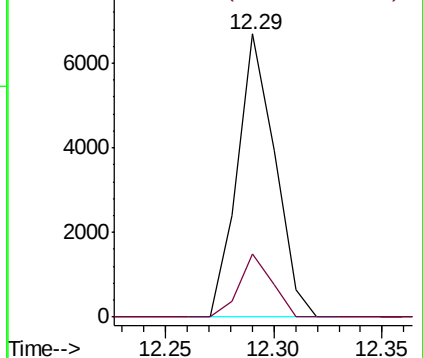
105 100

120 22.2 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 47.982 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Tgt Ion: 43 Resp: 2177

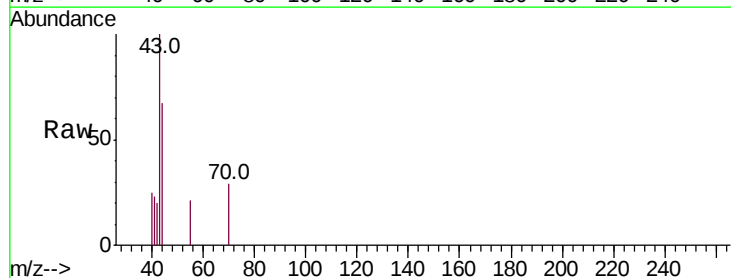
Ion Ratio Lower Upper

43 100

70 28.9 23.0 34.4

55 21.5 14.2 21.4#

61 0.0 17.8 26.8#

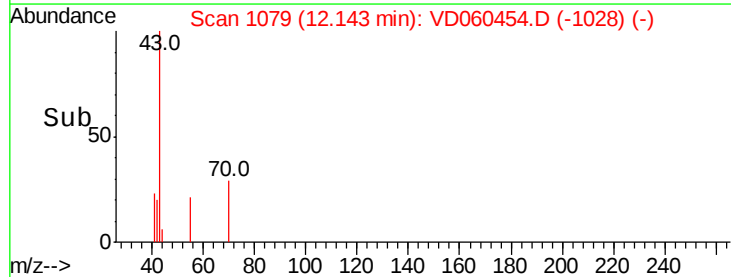
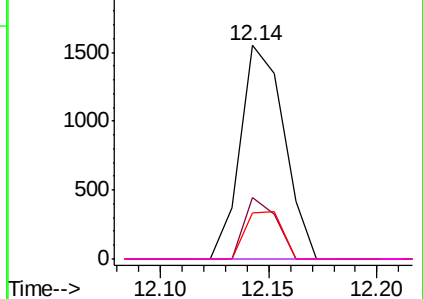


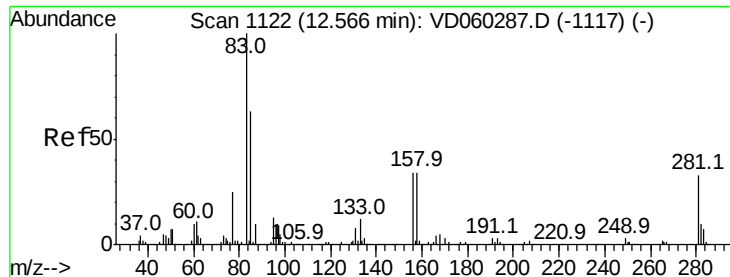
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 81.265 ug/l

RT: 12.58 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

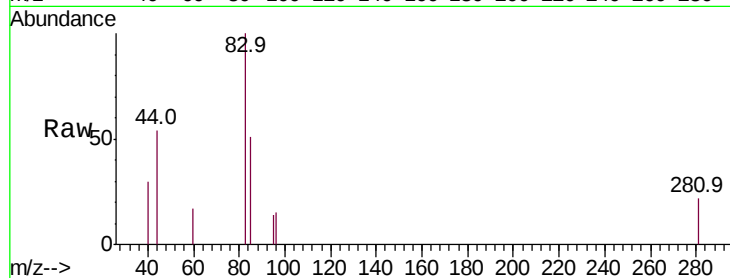
Tot Ion: 83 Resp: 2352

Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.5#

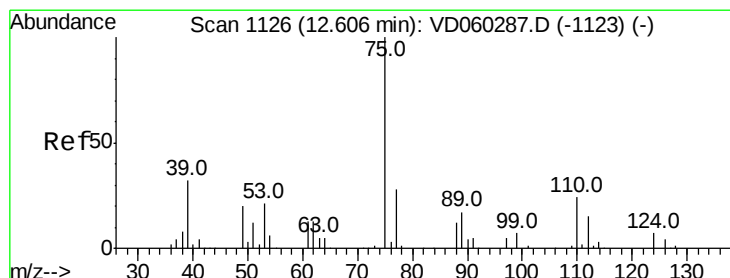
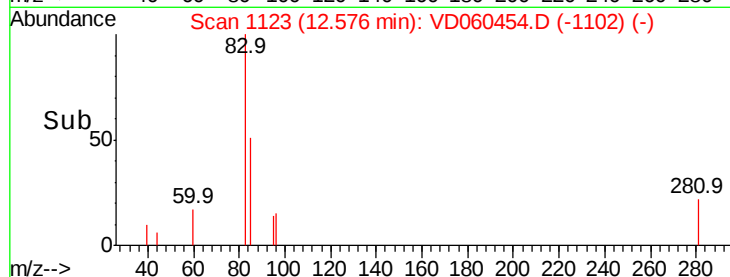
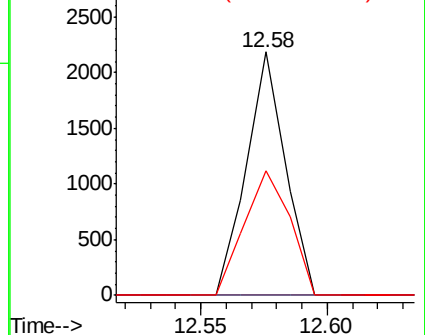
85 50.9 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 62.568 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060454.D

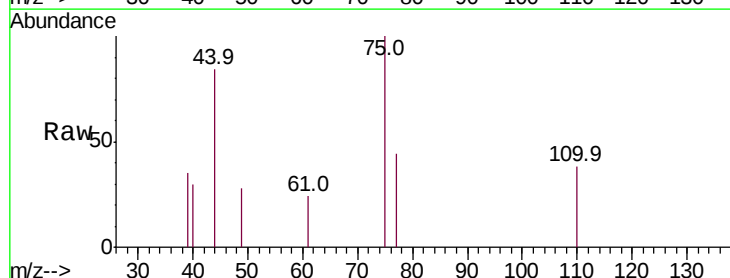
Acq: 26 Nov 2018 14:28

Tgt Ion: 75 Resp: 1818

Ion Ratio Lower Upper

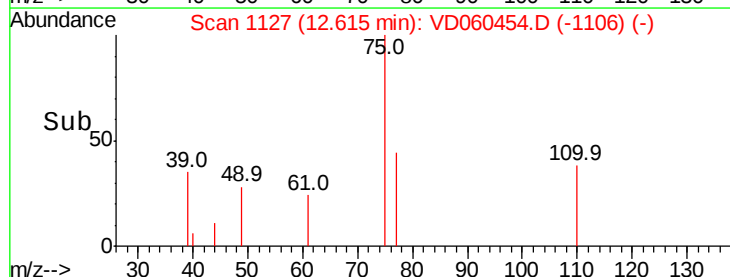
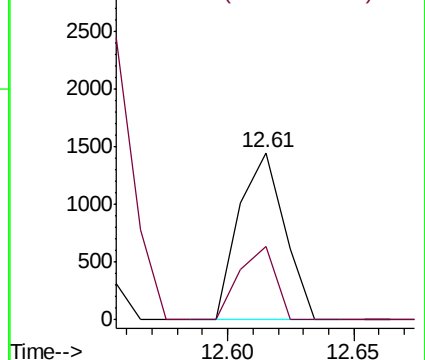
75 100

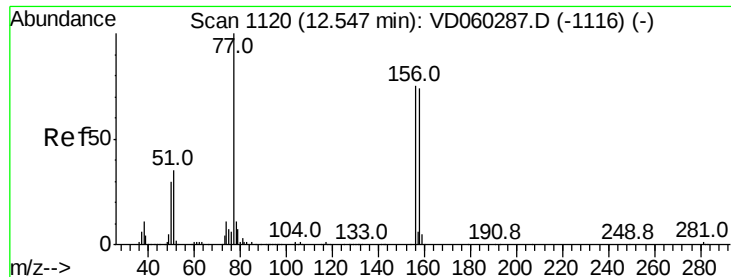
77 43.8 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 56.650 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

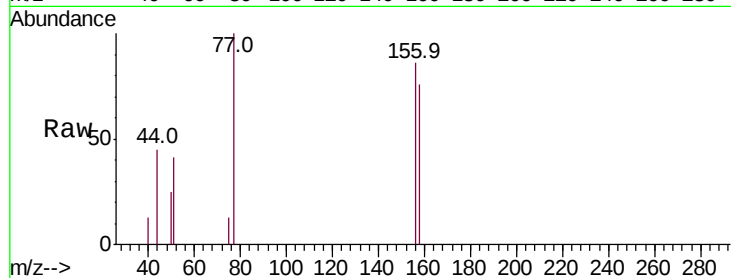
Tot Ion:156 Resp: 2663

Ion Ratio Lower Upper

156 100

77 115.7 61.2 183.6

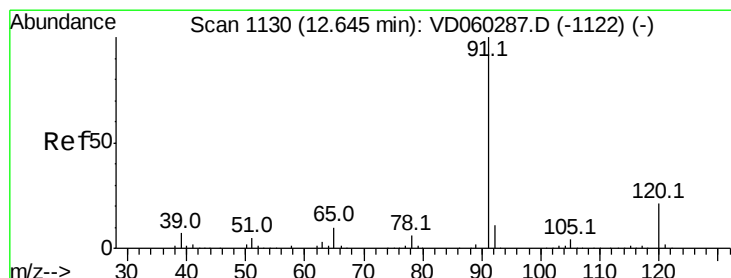
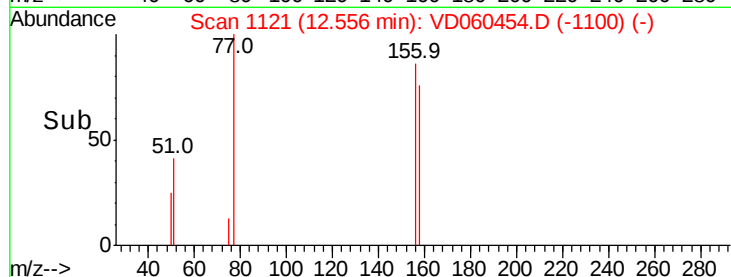
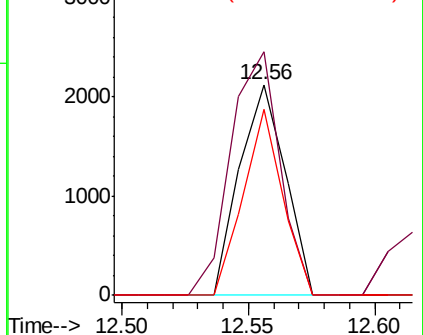
158 88.3 49.2 147.6



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



#78

n-propylbenzene

Concen: 42.514 ug/l

RT: 12.65 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VD060454.D

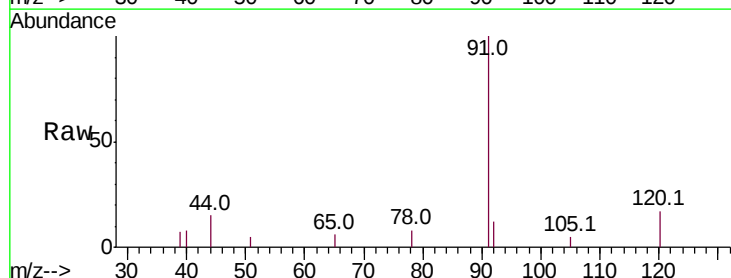
Acq: 26 Nov 2018 14:28

Tgt Ion: 91 Resp: 9391

Ion Ratio Lower Upper

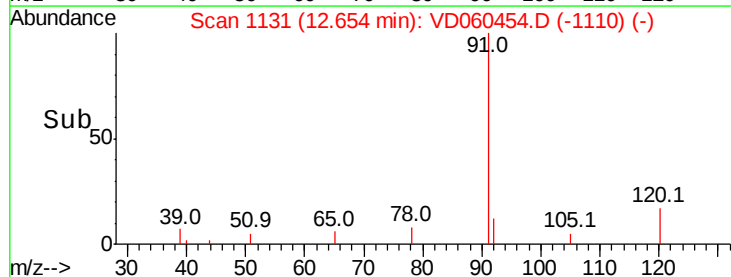
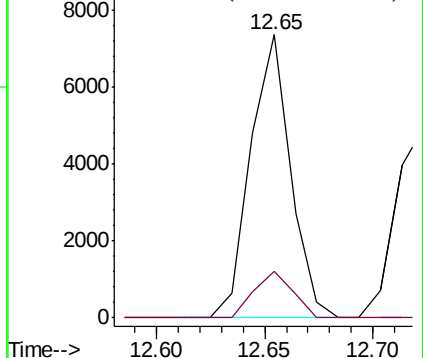
91 100

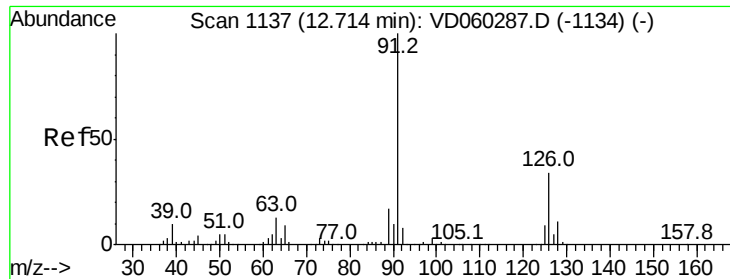
120 16.6 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 55.133 ug/l

RT: 12.72 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

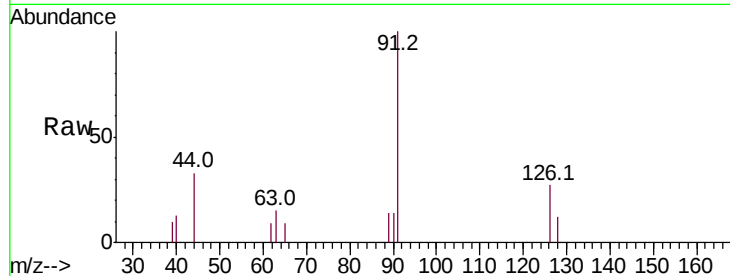
FDSB-05(25-27)

Tot Ion: 91 Resp: 6670

Ion Ratio Lower Upper

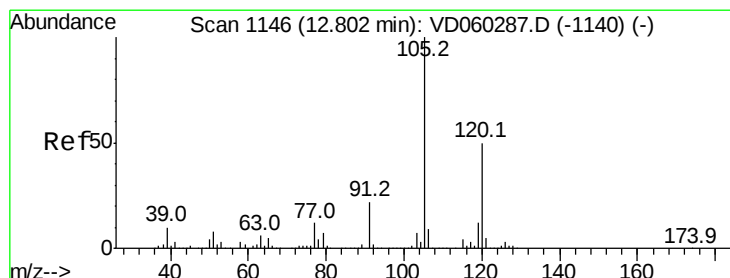
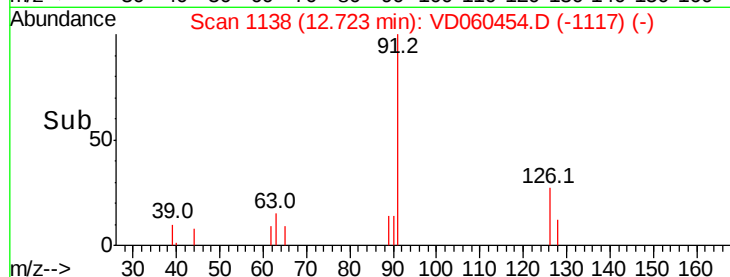
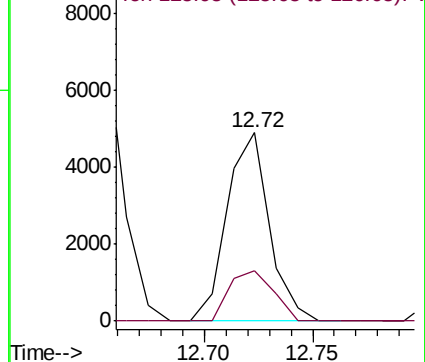
91 100

126 27.0 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: 37.831 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060454.D

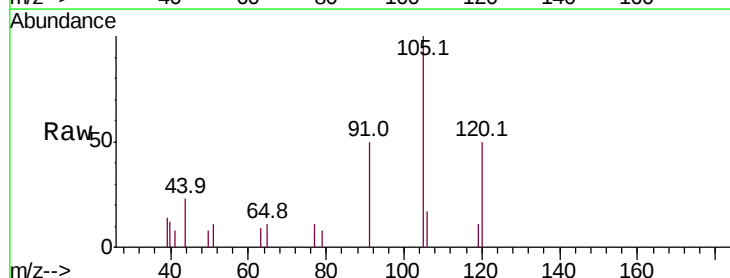
Acq: 26 Nov 2018 14:28

Tgt Ion:105 Resp: 5203

Ion Ratio Lower Upper

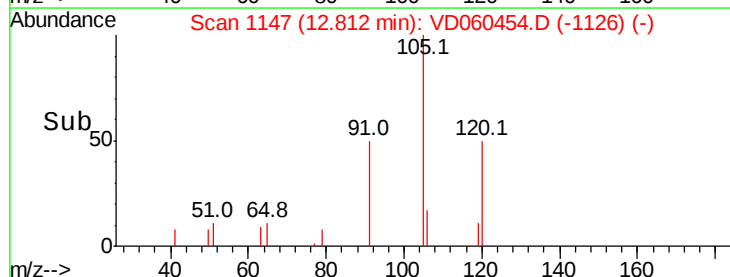
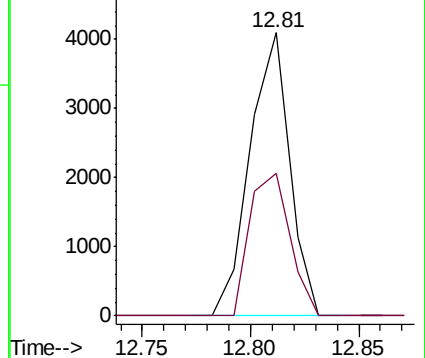
105 100

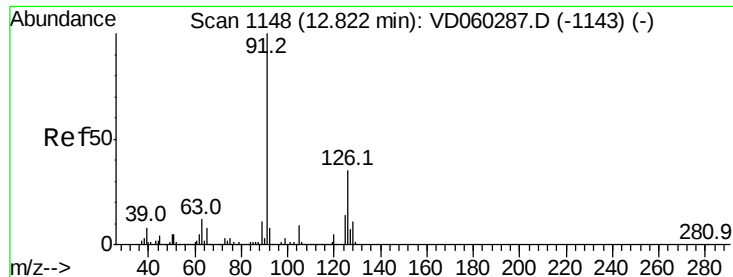
120 50.3 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

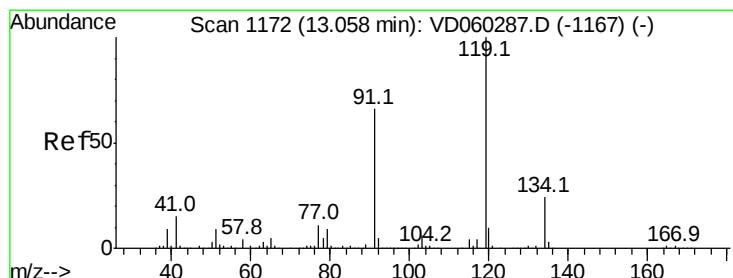
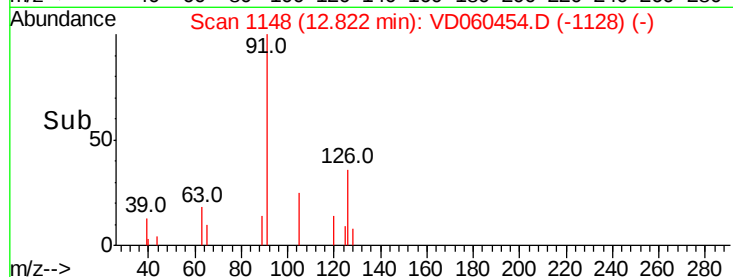
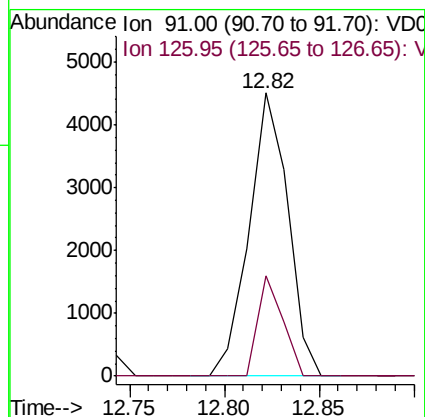
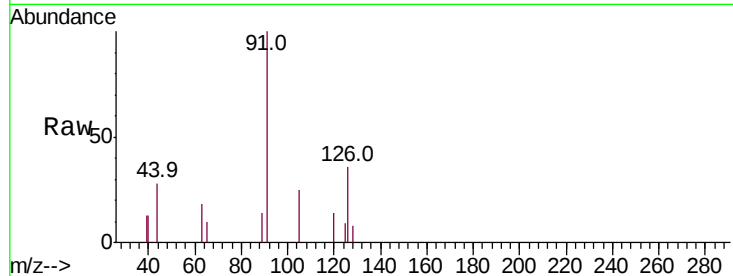




#82
4-Chlorotoluene
Concen: 47.270 ug/l
RT: 12.82 min Scan# 1148
Delta R.T. -0.00 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

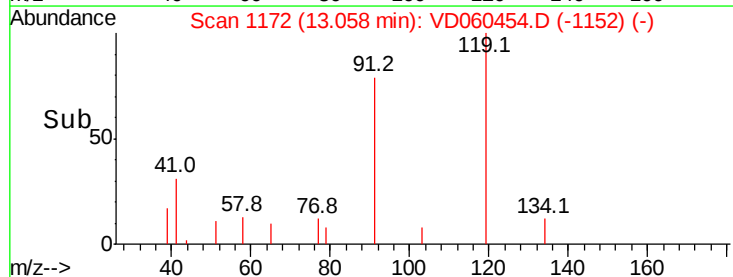
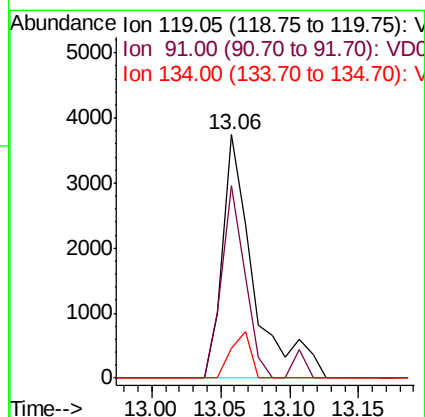
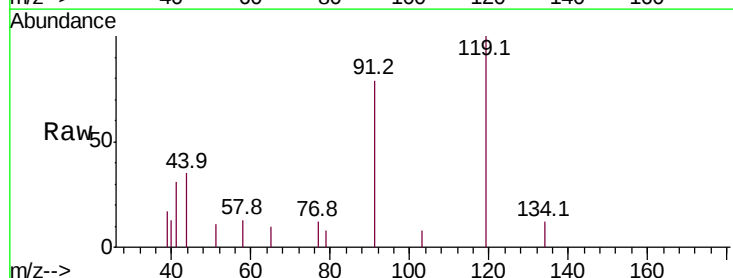
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

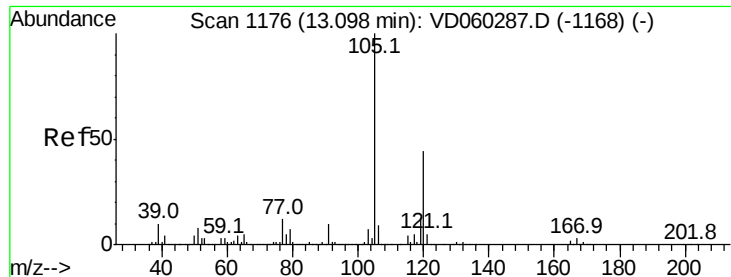
Tot Ion: 91 Resp: 6424
Ion Ratio Lower Upper
91 100
126 35.5 14.8 44.4



#83
tert-Butylbenzene
Concen: 38.103 ug/l
RT: 13.06 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VD060454.D
Acq: 26 Nov 2018 14:28

Tgt Ion: 119 Resp: 5818
Ion Ratio Lower Upper
119 100
91 78.9 32.7 98.1
134 12.2 12.1 36.3

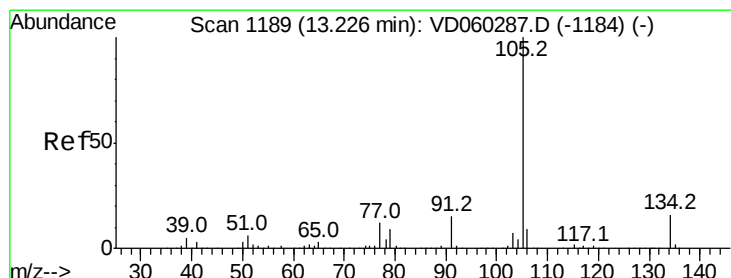
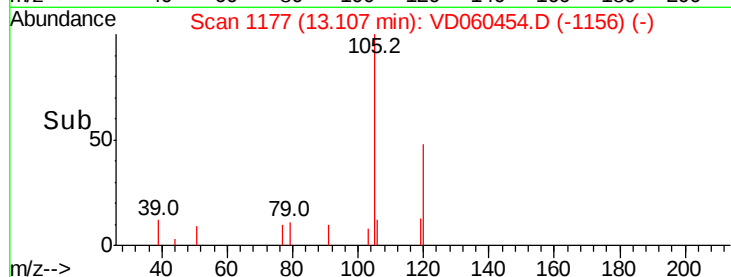
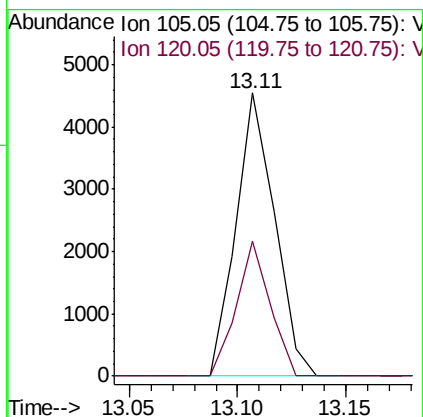
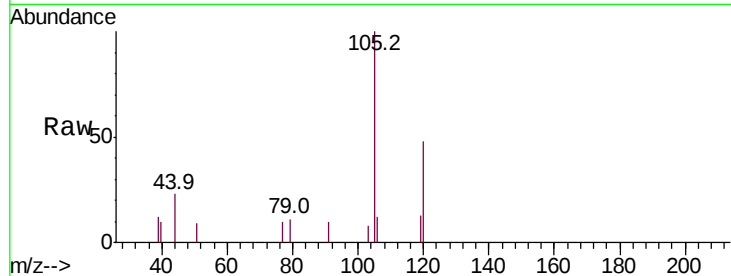




#84
 1,2,4-Trimethylbenzene
 Concen: 41.003 ug/l
 RT: 13.11 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060454.D
 Acq: 26 Nov 2018 14:28

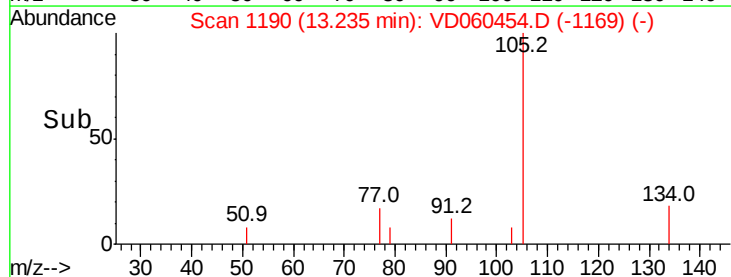
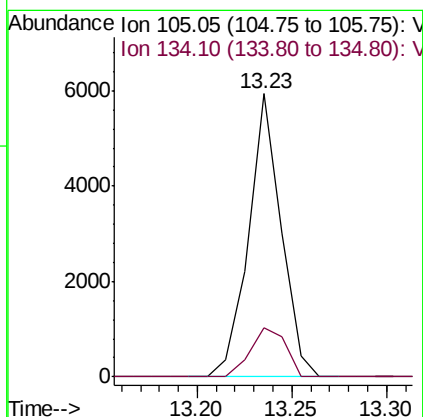
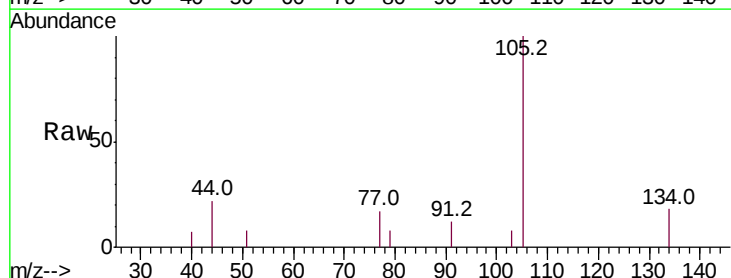
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)

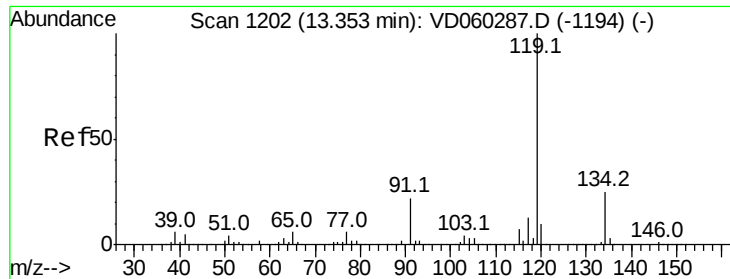
Tot Ion:105 Resp: 5632
 Ion Ratio Lower Upper
 105 100
 120 47.5 21.9 65.8



#85
 sec-Butylbenzene
 Concen: 37.665 ug/l
 RT: 13.23 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD060454.D
 Acq: 26 Nov 2018 14:28

Tgt Ion:105 Resp: 7056
 Ion Ratio Lower Upper
 105 100
 134 17.5 8.0 24.0

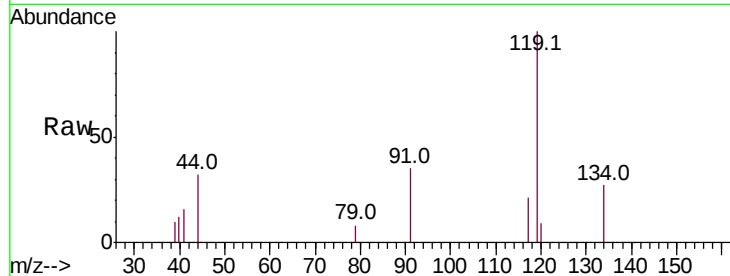




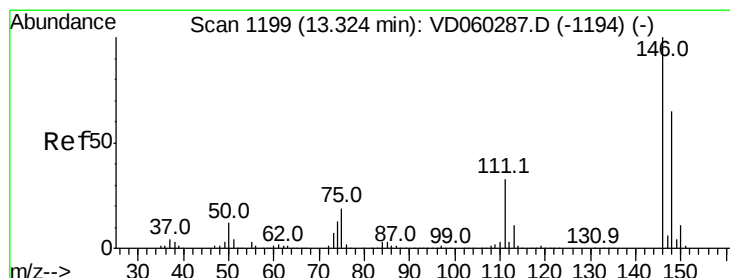
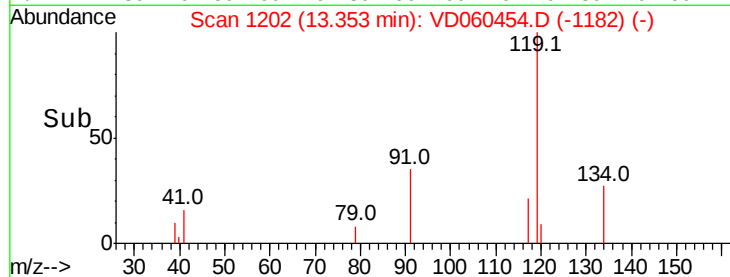
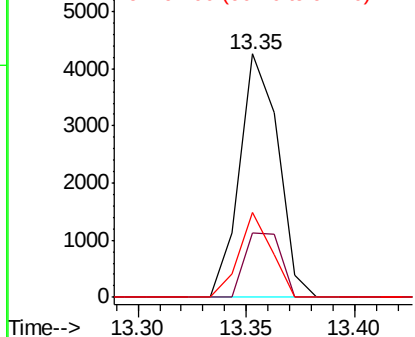
#86
 p-Isopropyltoluene
 Concen: 35.344 ug/l
 RT: 13.35 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VD060454.D
 Acq: 26 Nov 2018 14:28

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

Tot Ion:119 Resp: 5332
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.9 38.6
 91 34.9 11.3 33.8#

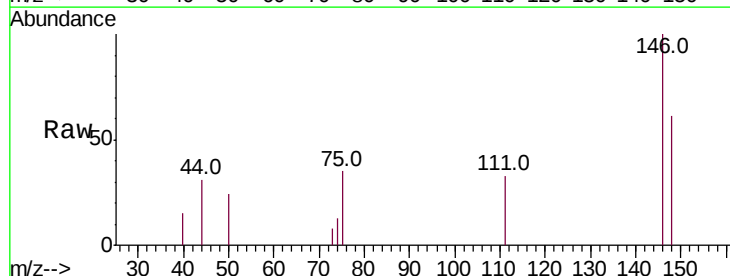


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

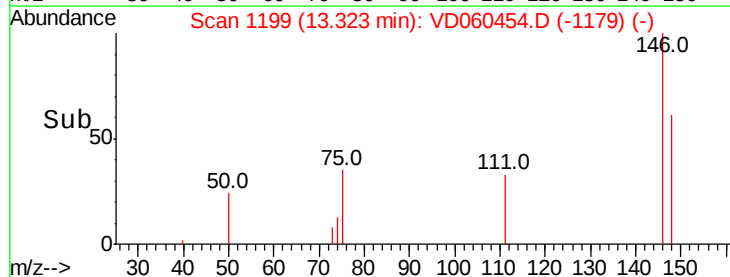
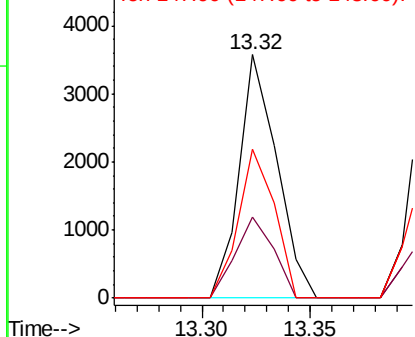


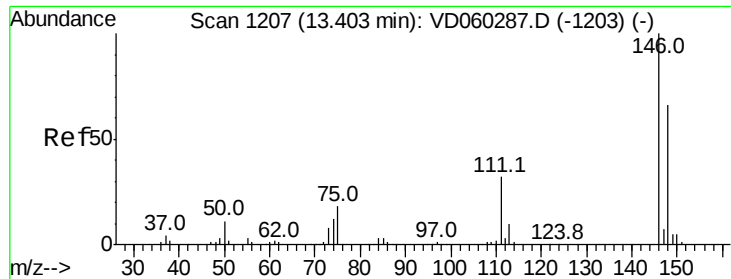
#87
 1,3-Dichlorobenzene
 Concen: 51.941 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060454.D
 Acq: 26 Nov 2018 14:28

Tgt Ion:146 Resp: 4344
 Ion Ratio Lower Upper
 146 100
 111 33.4 20.2 60.5
 148 61.1 32.0 96.0



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





#88

1,4-Dichlorobenzene

Concen: 48.984 ug/l

RT: 13.40 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)

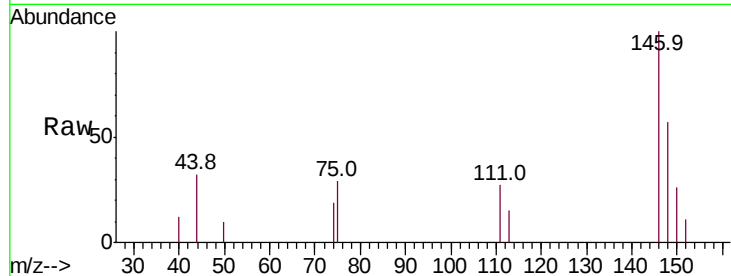
Tot Ion:146 Resp: 4001

Ion Ratio Lower Upper

146 100

111 27.5 16.0 47.9

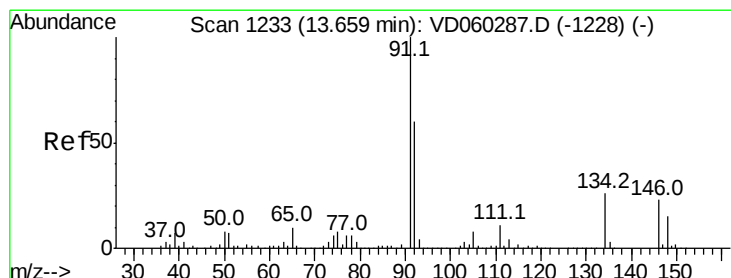
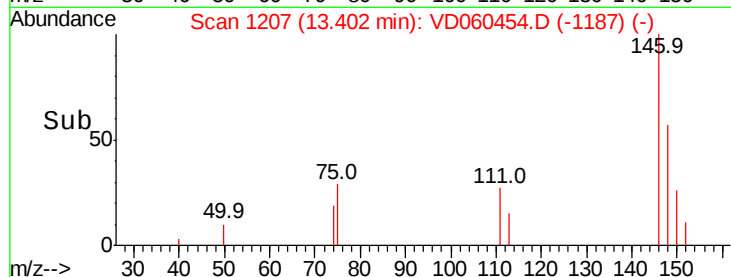
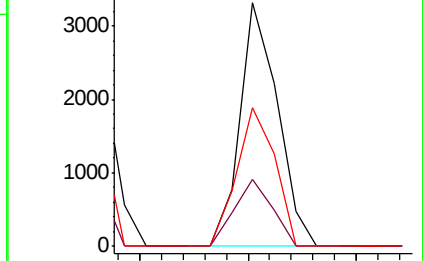
148 57.0 32.9 98.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 31.730 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

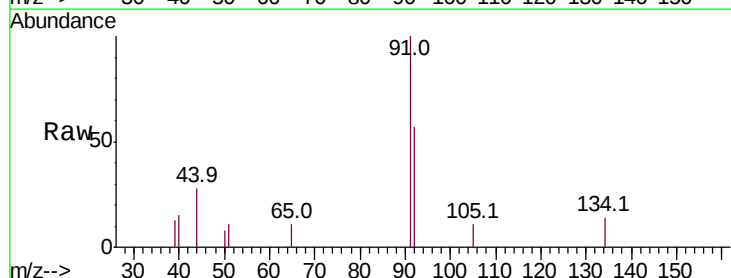
Tgt Ion: 91 Resp: 4990

Ion Ratio Lower Upper

91 100

92 57.3 30.3 90.9

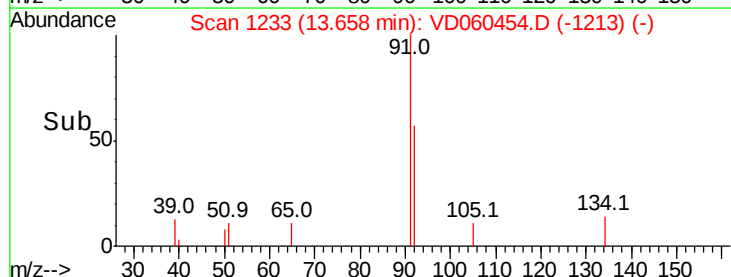
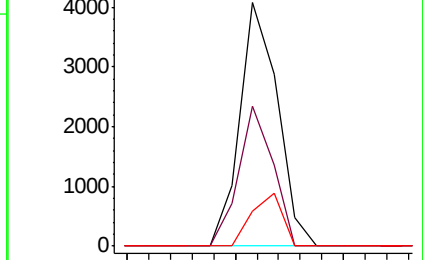
134 14.1 13.0 38.9

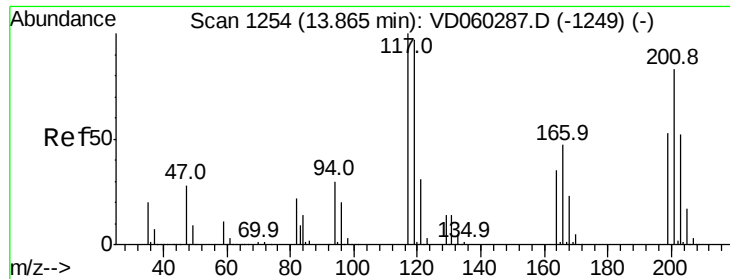


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V





#90

Hexachloroethane

Concen: 19.037 ug/l

RT: 13.86 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

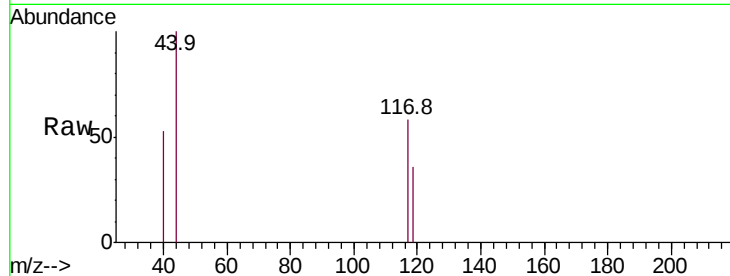
FDSB-05(25-27)

Tot Ion:117 Resp: 681

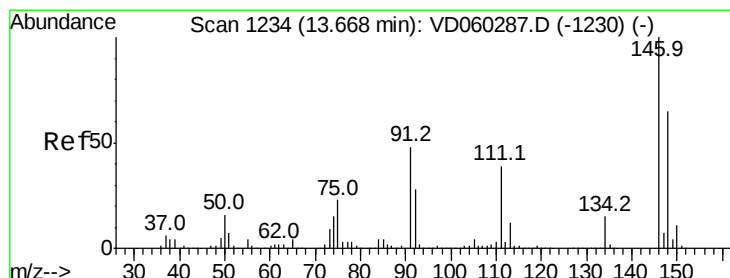
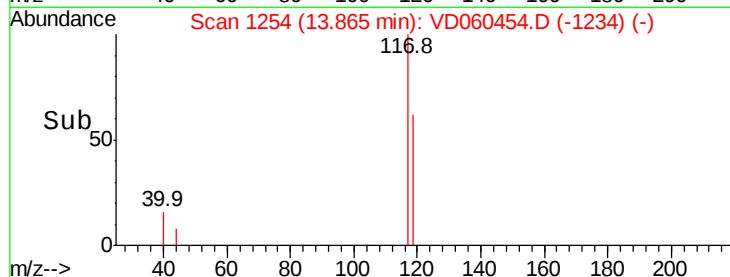
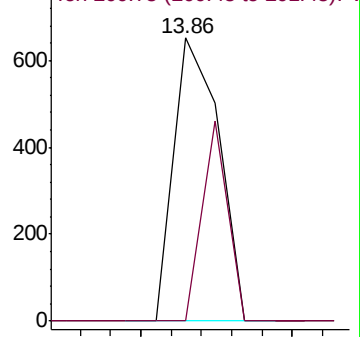
Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.3#



Abundance Ion 116.85 (116.55 to 117.55): V



#91

1,2-Dichlorobenzene

Concen: 40.236 ug/l

RT: 13.67 min Scan# 1234

Delta R.T. -0.00 min

Lab File: VD060454.D

Acq: 26 Nov 2018 14:28

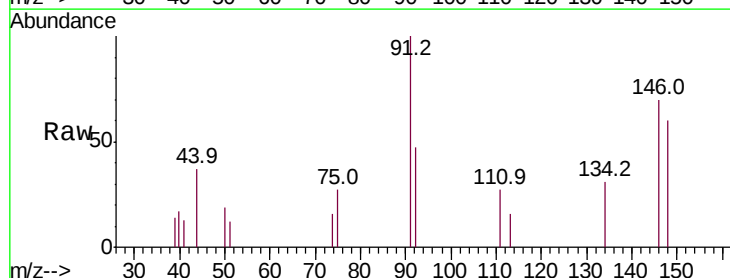
Tgt Ion:146 Resp: 2764

Ion Ratio Lower Upper

146 100

111 38.3 18.9 56.9

148 85.8 31.6 94.8



Abundance Ion 145.95 (145.65 to 146.65): V

