

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112618\
 Data File : VD060455.D
 Acq On : 26 Nov 2018 14:57
 Operator : VA/AP
 Sample : J5918-04MSD
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Nov 26 16:03:38 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	6.44	168	1188135	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.47	114	1657794	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.30	117	1319177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.39	152	668669	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	449270	52.81	ug/l	0.01
Spiked Amount			Recovery	=	105.62%	
35) Dibromofluoromethane	6.35	113	677295	54.79	ug/l	0.01
Spiked Amount			Recovery	=	109.58%	
50) Toluene-d8	9.49	98	1893172	52.33	ug/l	0.02
Spiked Amount			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.44	95	698321	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	444491	47.462	ug/l	97
3) Chloromethane	1.77	50	458508	40.740	ug/l	99
4) Vinyl Chloride	1.86	62	411442	44.765	ug/l	99
5) Bromomethane	2.17	94	116264	53.318	ug/l	96
6) Chloroethane	2.28	64	150898	49.480	ug/l	97
7) Trichlorofluoromethane	2.53	101	546068	50.393	ug/l	98
8) Diethyl Ether	2.85	74	103387	52.697	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.11	101	358102	50.245	ug/l	97
10) Methyl Iodide	3.27	142	416259	44.968	ug/l	98
11) Tert butyl alcohol	4.00	59	93784	268.462	ug/l	95
12) 1,1-Dichloroethene	3.10	96	286309	49.386	ug/l	94
13) Acrolein	3.00	56	70075	169.763	ug/l	98
14) Allyl chloride	3.57	41	548870	49.481	ug/l	98
15) Acrylonitrile	4.12	53	532829	261.556	ug/l	98
16) Acetone	3.18	43	354931	240.522	ug/l	98
17) Carbon Disulfide	3.34	76	815505	43.581	ug/l	99
18) Methyl Acetate	3.59	43	180421	57.341	ug/l	98
19) Methyl tert-butyl Ether	4.16	73	879786	50.681	ug/l	100
20) Methylene Chloride	3.75	84	676944	51.713	ug/l	95
21) trans-1,2-Dichloroethene	4.14	96	640515	49.760	ug/l	96
22) Diisopropyl ether	4.88	45	2170369	52.371	ug/l	97
23) Vinyl Acetate	4.83	43	5048828	244.839	ug/l	99
24) 1,1-Dichloroethane	4.79	63	1099777	51.750	ug/l	100
25) 2-Butanone	5.65	43	729181	237.729	ug/l	99
26) 2,2-Dichloropropane	5.62	77	844514	51.114	ug/l	96
27) cis-1,2-Dichloroethene	5.62	96	690483	51.490	ug/l	93
28) Bromochloromethane	5.96	49	513883	54.804	ug/l	94
29) Tetrahydrofuran	5.99	42	397317	245.689	ug/l	99
30) Chloroform	6.13	83	1108160	52.160	ug/l	98
31) Cyclohexane	6.40	56	888685	43.752	ug/l	98
32) 1,1,1-Trichloroethane	6.32	97	909986	50.849	ug/l	99
36) 1,1-Dichloropropene	6.56	75	812611	49.615	ug/l	98
37) Ethyl Acetate	5.73	43	382563	50.761	ug/l	99
38) Carbon Tetrachloride	6.53	117	753628	49.604	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	844504	44.831	ug/l	98
40) Benzene	6.82	78	2113295	50.548	ug/l	99
41) Methacrylonitrile	5.98	41	426606	49.456	ug/l	96
42) 1,2-Dichloroethane	6.92	62	537275	49.098	ug/l	97
43) Isopropyl Acetate	8.38	43	482458	50.962	ug/l #	99
44) Trichloroethene	7.77	130	642902	50.729	ug/l	99
45) 1,2-Dichloropropane	8.13	63	548107	51.983	ug/l	97
46) Dibromomethane	8.25	93	320154	51.844	ug/l	98
47) Bromodichloromethane	8.53	83	767018	52.708	ug/l	98
48) Methyl methacrylate	8.28	41	289177	50.288	ug/l	97
49) 1,4-Dioxane	8.26	88	53052	1066.276	ug/l	95
51) 4-Methyl-2-Pentanone	9.37	43	1500933	243.592	ug/l	98
52) Toluene	9.58	92	1335904	50.023	ug/l	100
53) t-1,3-Dichloropropene	9.95	75	629936	51.233	ug/l	97
54) cis-1,3-Dichloropropene	9.14	75	823584	52.224	ug/l	98
55) 1,1,2-Trichloroethane	10.21	97	390358	50.432	ug/l	99
56) Ethyl methacrylate	10.06	69	373317	52.455	ug/l	99
57) 1,3-Dichloropropane	10.40	76	591761	50.172	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.95	63	1128451	262.235	ug/l	98
59) 2-Hexanone	10.51	43	1082921	246.586	ug/l	100
60) Dibromochloromethane	10.66	129	506650	53.847	ug/l	97
61) 1,2-Dibromoethane	10.79	107	404518	52.159	ug/l	98
64) Tetrachloroethene	10.28	164	579701	49.224	ug/l	98
65) Chlorobenzene	11.34	112	1464780	51.247	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.44	131	485689	51.934	ug/l	99
67) Ethyl Benzene	11.45	91	2472310	50.563	ug/l	99
68) m/p-Xylenes	11.59	106	1833676	101.664	ug/l	98
69) o-Xylene	11.95	106	882607	50.652	ug/l	98
70) Styrene	11.98	104	1436979	51.028	ug/l	99
71) Bromoform	12.14	173	334558	53.237	ug/l	98
73) Isopropylbenzene	12.29	105	2384848	48.953	ug/l	100
74) N-amyl acetate	12.15	43	626901	50.192	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	409838	51.439	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	402350	50.301	ug/l	100
77) Bromobenzene	12.56	156	645961	49.917	ug/l	96
78) n-propylbenzene	12.66	91	2916192	47.957	ug/l	99
79) 2-Chlorotoluene	12.73	91	1637171	49.158	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	1898924	50.155	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.36	75	117283	51.502	ug/l	98
82) 4-Chlorotoluene	12.83	91	1873389	50.075	ug/l	97
83) tert-Butylbenzene	13.06	119	2072494	49.305	ug/l	93
84) 1,2,4-Trimethylbenzene	13.11	105	1898128	50.199	ug/l	99
85) sec-Butylbenzene	13.24	105	2450672	47.521	ug/l	98
86) p-Isopropyltoluene	13.36	119	1957882	47.144	ug/l	96
87) 1,3-Dichlorobenzene	13.33	146	1134008	49.255	ug/l	98
88) 1,4-Dichlorobenzene	13.41	146	1146751	51.000	ug/l	96
89) n-Butylbenzene	13.66	91	1963174	48.270	ug/l	97
90) Hexachloroethane	13.88	117	501186	50.894	ug/l	83
91) 1,2-Dichlorobenzene	13.68	146	961385	50.838	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	49522	51.491	ug/l	80

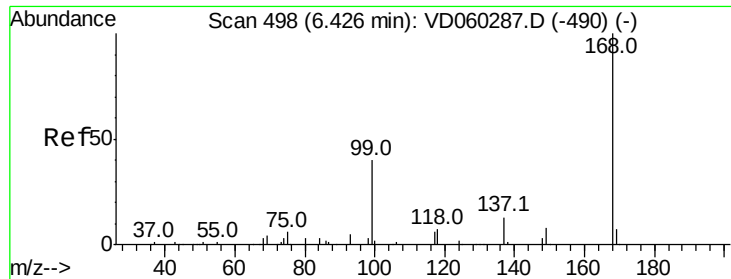
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	729936	48.683	ug/l	98
94) Hexachlorobutadiene	14.89	225	396758	35.378	ug/l	98
95) Naphthalene	14.98	128	917696	50.125	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	580691	48.331	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

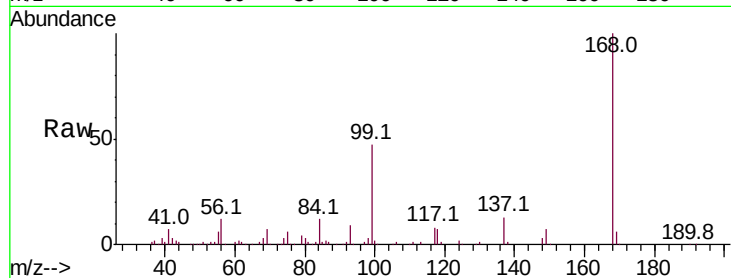
FDSB-05(25-27)MSD

Tot Ion:168 Resp: 1188135

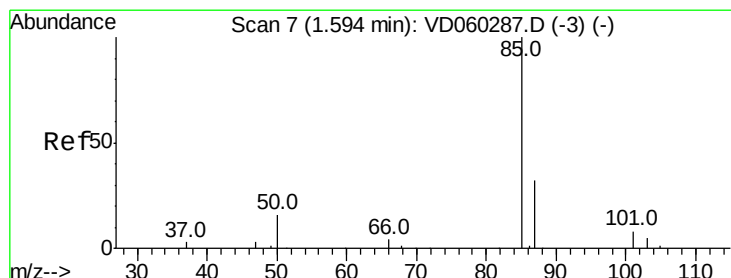
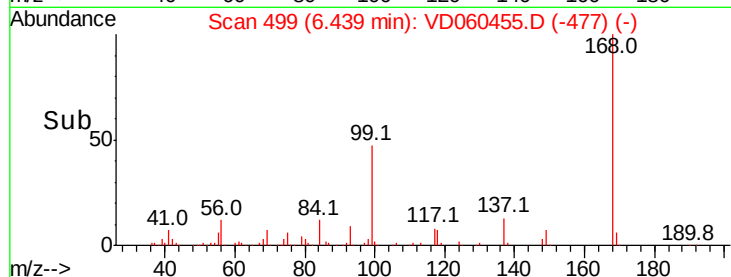
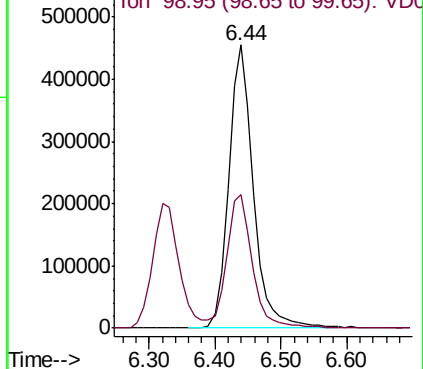
Ion Ratio Lower Upper

168 100

99 47.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V



#2

Dichlorodifluoromethane

Concen: 47.462 ug/l

RT: 1.60 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060455.D

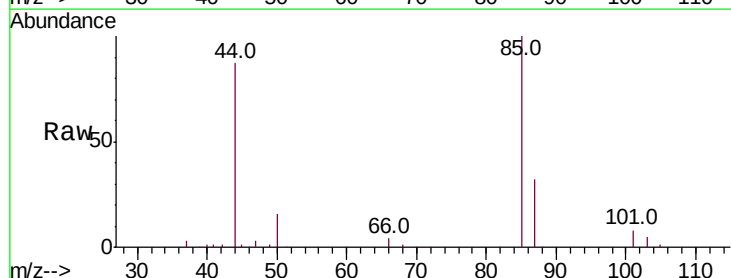
Acq: 26 Nov 2018 14:57

Tgt Ion: 85 Resp: 444491

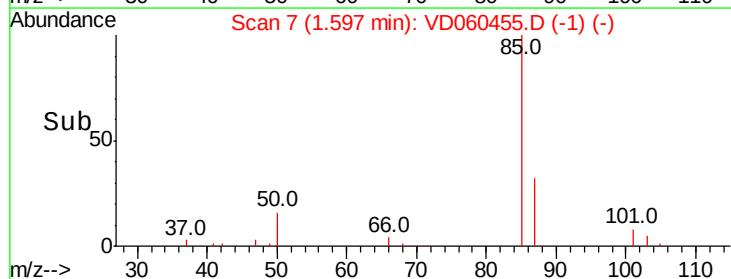
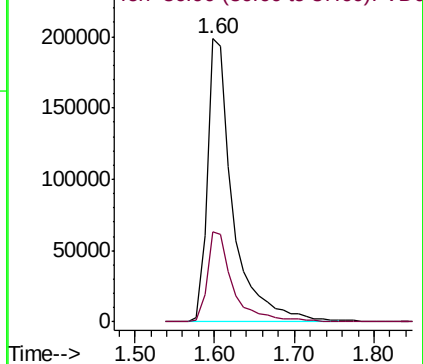
Ion Ratio Lower Upper

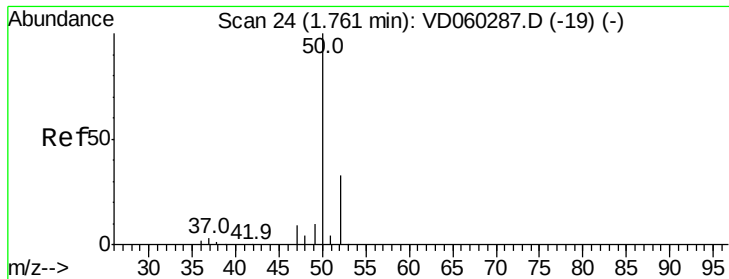
85 100

87 32.0 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): V





#3

Chloromethane

Concen: 40.740 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

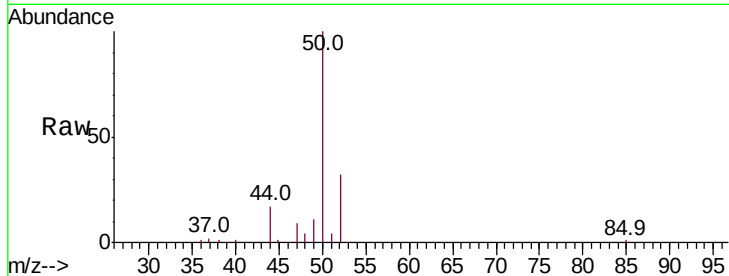
FDSB-05(25-27)MSD

Tot Ion: 50 Resp: 458508

Ion Ratio Lower Upper

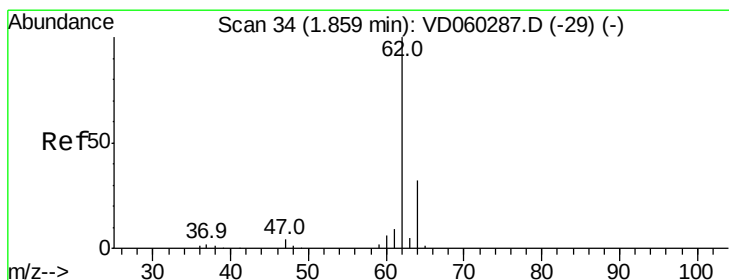
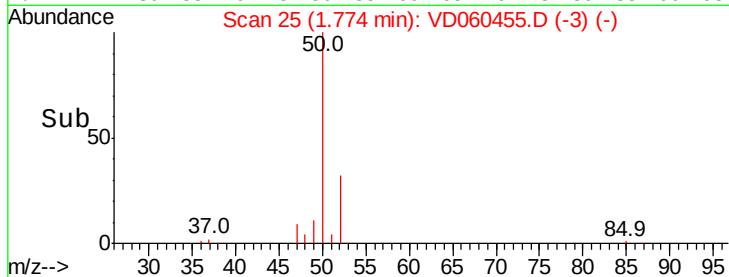
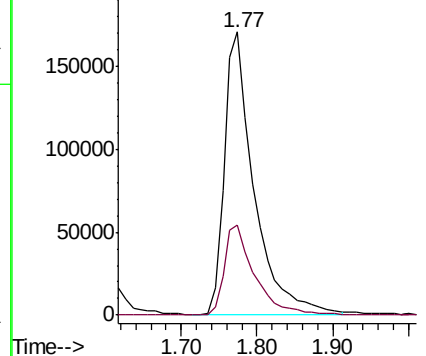
50 100

52 31.7 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.765 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060455.D

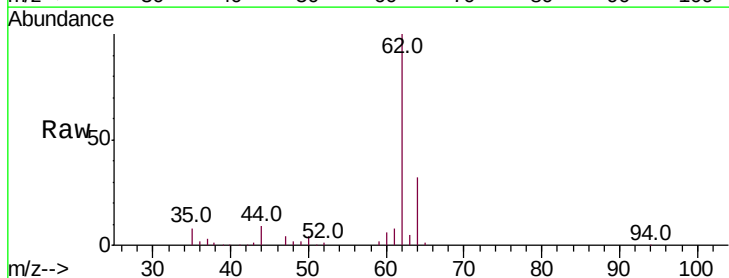
Acq: 26 Nov 2018 14:57

Tgt Ion: 62 Resp: 411442

Ion Ratio Lower Upper

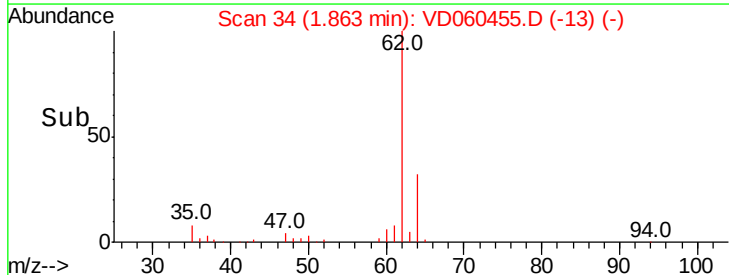
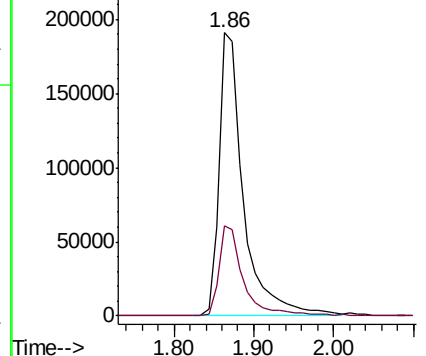
62 100

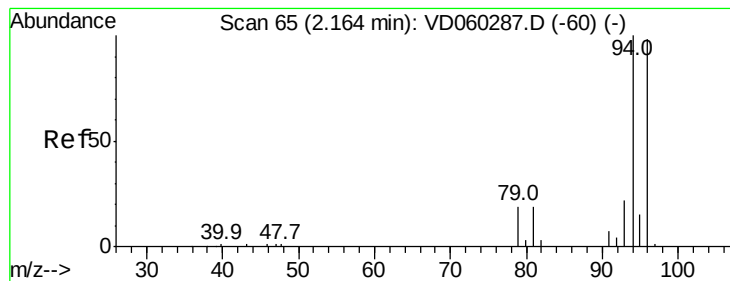
64 31.9 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 53.318 ug/l

RT: 2.17 min Scan# 65

Delta R.T. 0.00 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

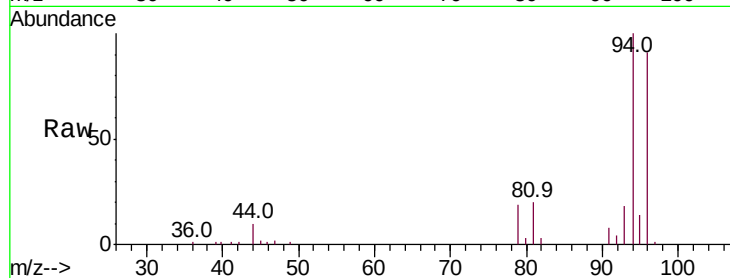
FDSB-05(25-27)MSD

Tot Ion: 94 Resp: 116264

Ion Ratio Lower Upper

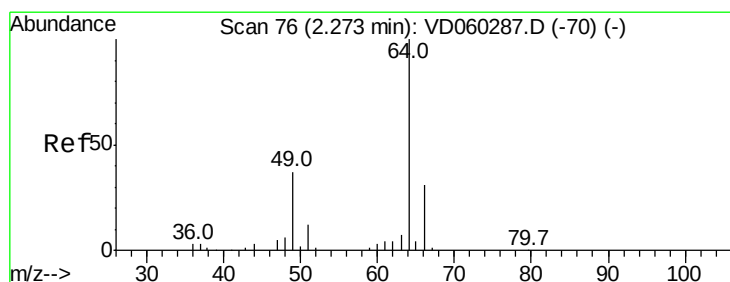
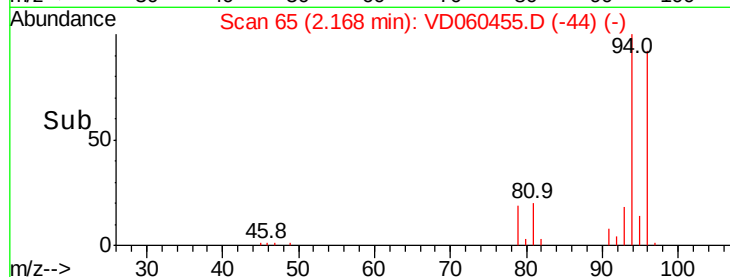
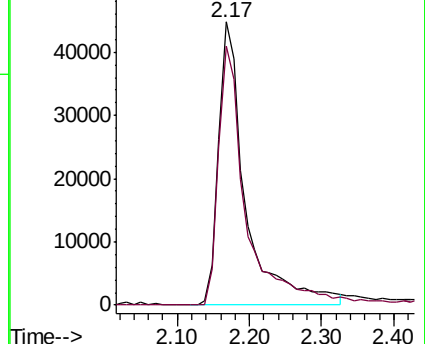
94 100

96 91.4 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.480 ug/l

RT: 2.28 min Scan# 76

Delta R.T. 0.00 min

Lab File: VD060455.D

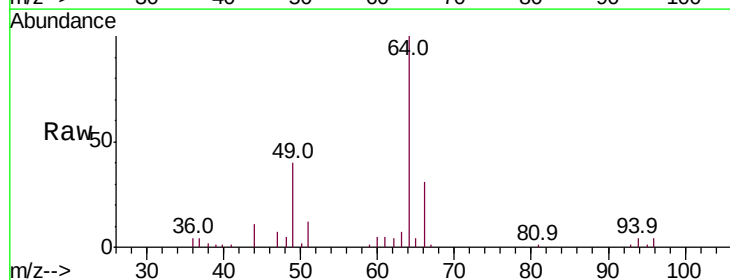
Acq: 26 Nov 2018 14:57

Tgt Ion: 64 Resp: 150898

Ion Ratio Lower Upper

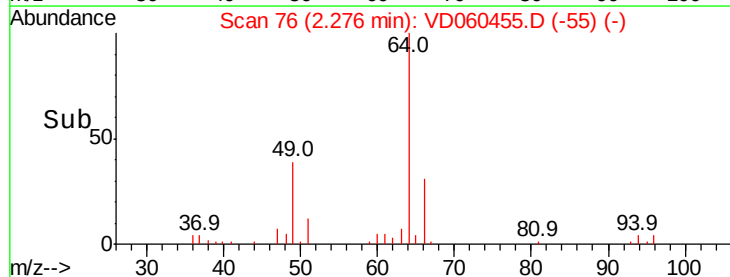
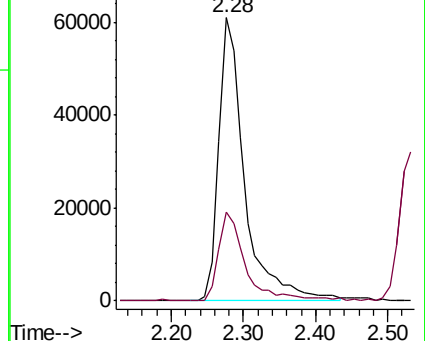
64 100

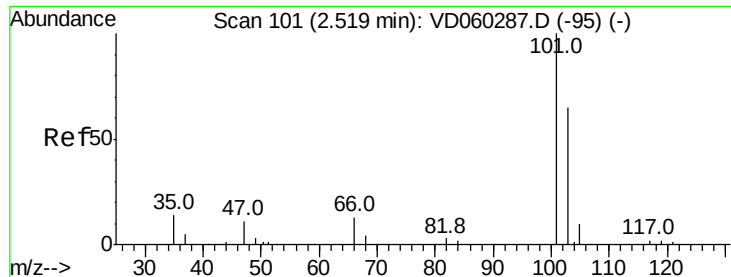
66 31.3 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



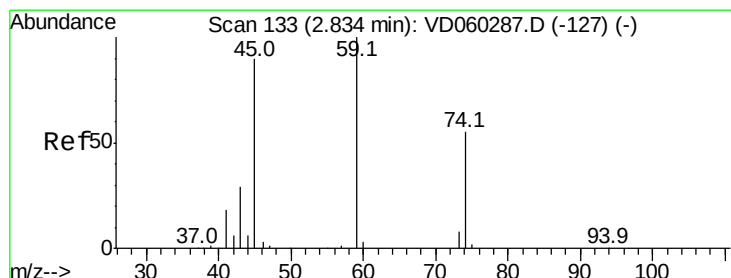
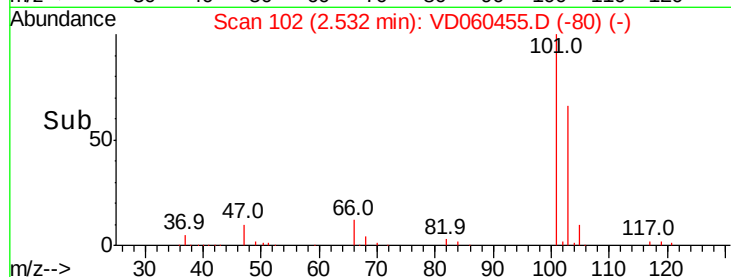
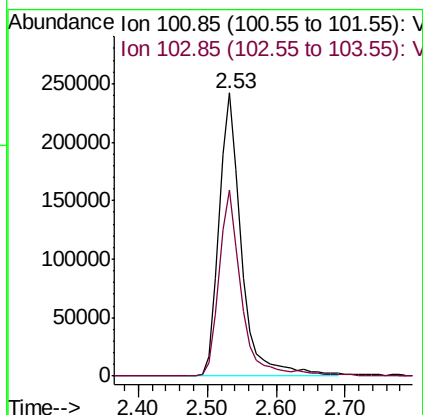
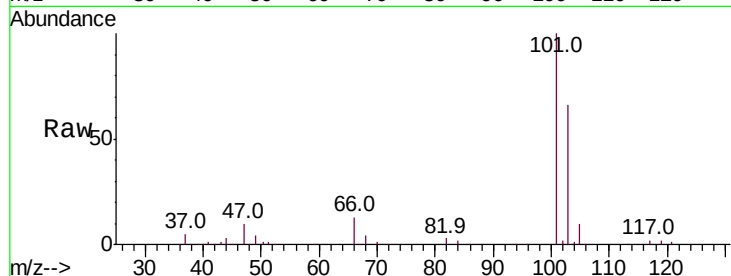


#7

Trichlorofluoromethane
 Concen: 50.393 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

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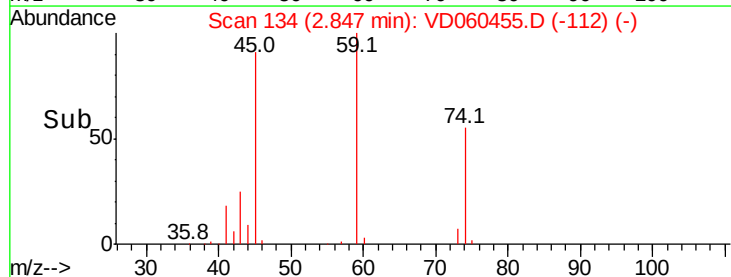
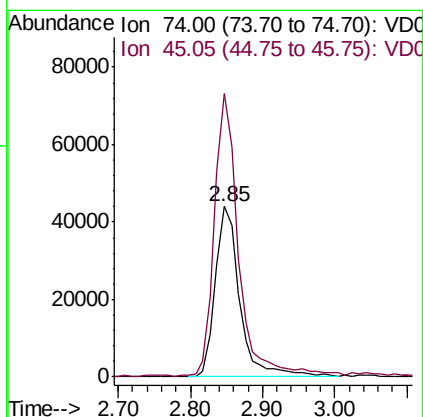
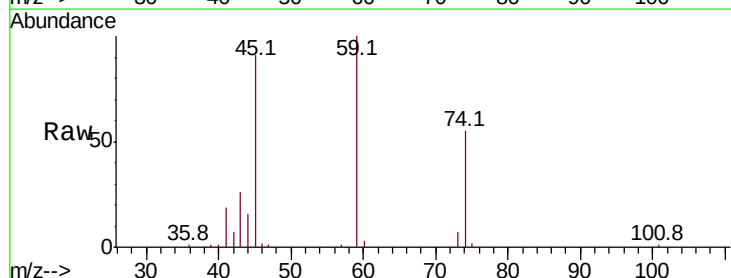
Tot Ion:101 Resp: 546068
 Ion Ratio Lower Upper
 101 100
 103 65.6 53.6 80.4

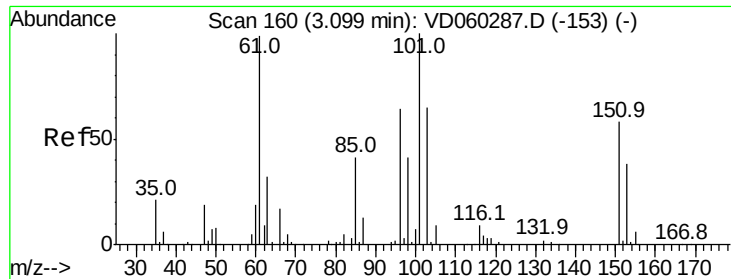


#8

Diethyl Ether
 Concen: 52.697 ug/l
 RT: 2.85 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

Tgt Ion: 74 Resp: 103387
 Ion Ratio Lower Upper
 74 100
 45 166.3 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.245 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

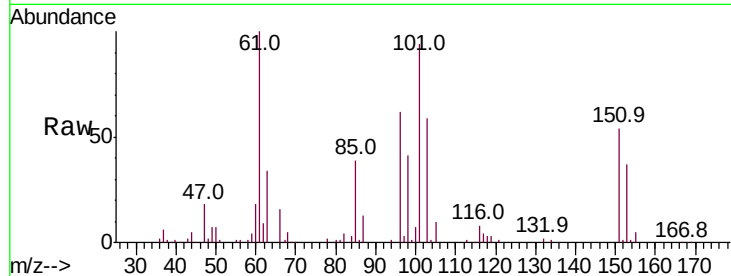
Tot Ion:101 Resp: 358102

Ion Ratio Lower Upper

101 100

85 41.3 31.4 47.0

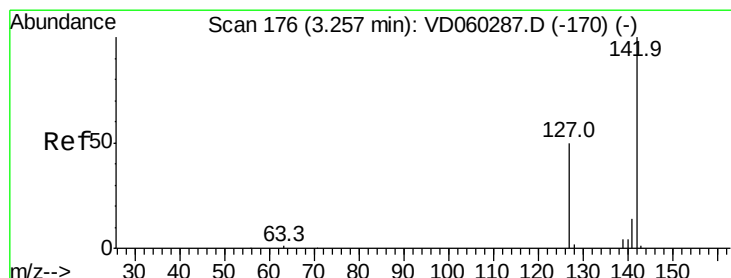
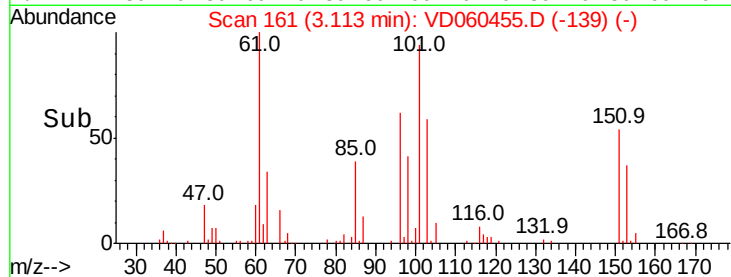
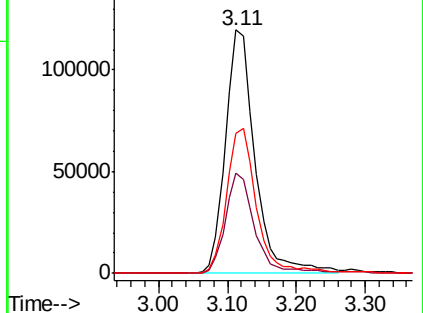
151 57.6 47.4 71.0



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: 44.968 ug/l

RT: 3.27 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

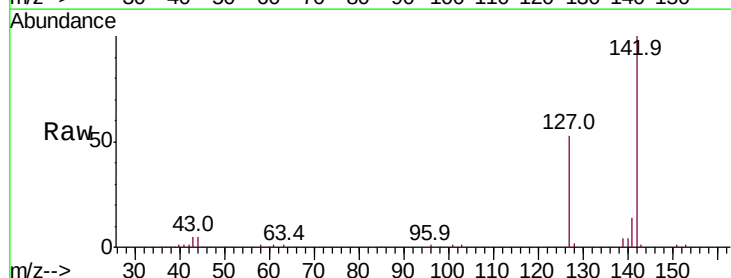
Tgt Ion:142 Resp: 416259

Ion Ratio Lower Upper

142 100

127 52.6 41.0 61.6

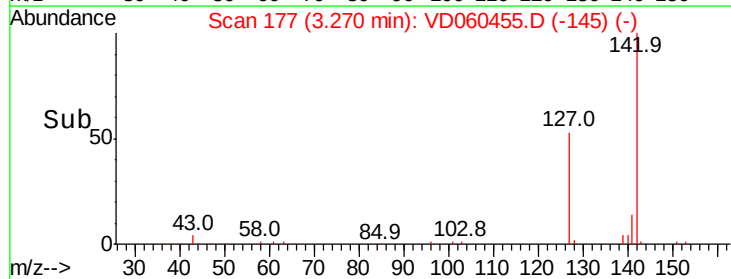
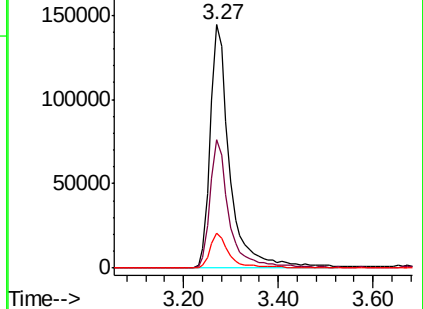
141 14.2 11.9 17.9

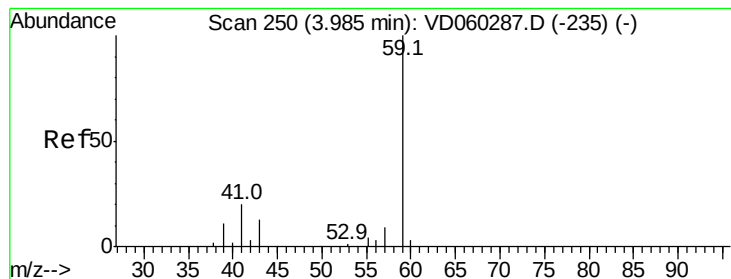


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



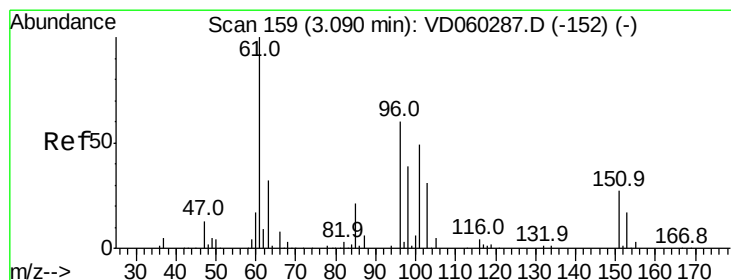
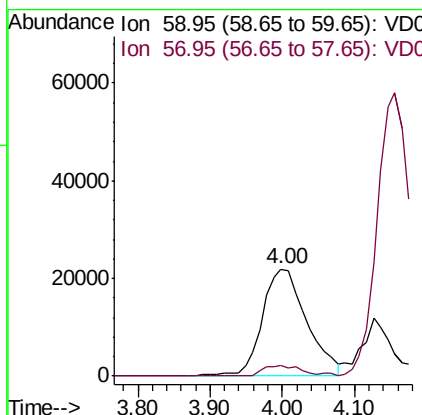
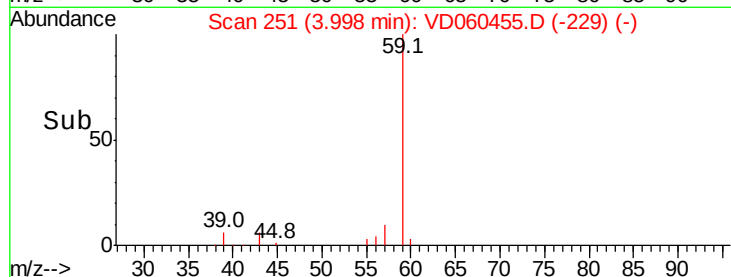
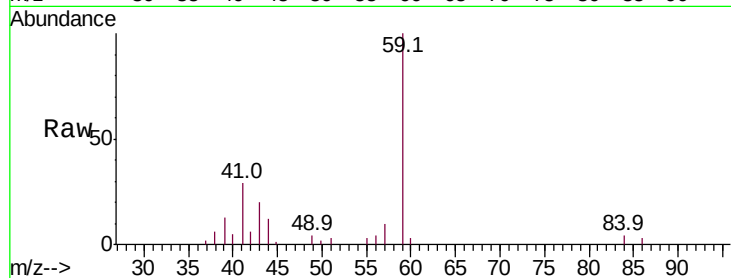


#11

Tert butyl alcohol
Concen: 268.462 ug/l
RT: 4.00 min Scan# 251
Delta R.T. 0.01 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

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

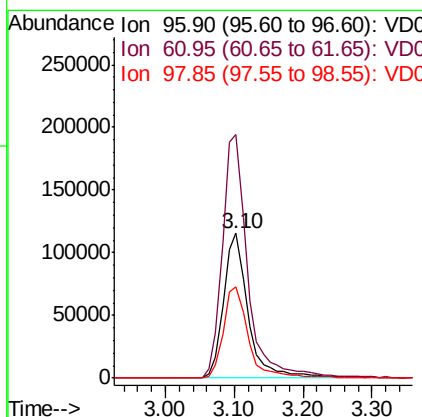
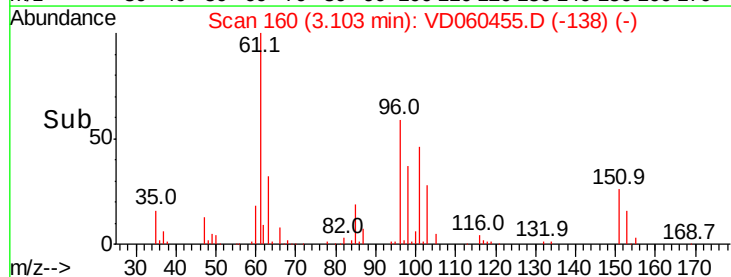
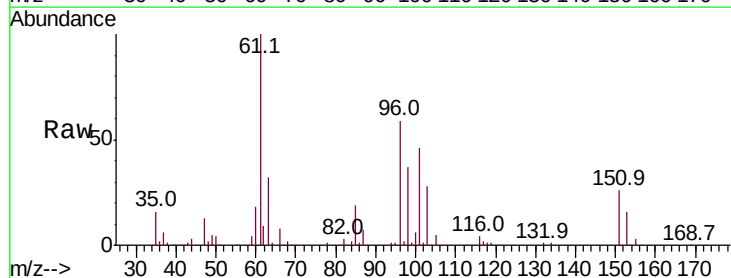
Tot Ion: 59 Resp: 93784
Ion Ratio Lower Upper
59 100
57 9.6 9.3 13.9

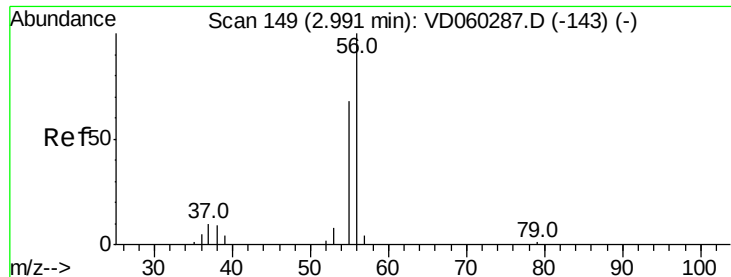


#12

1,1-Dichloroethene
Concen: 49.386 ug/l
RT: 3.10 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

Tgt Ion: 96 Resp: 286309
Ion Ratio Lower Upper
96 100
61 168.4 142.2 213.4
98 62.9 52.6 79.0





#13

Acrolein

Concen: 169.763 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

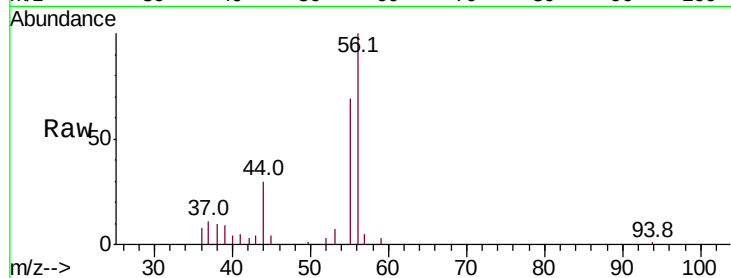
FDSB-05(25-27)MSD

Tot Ion: 56 Resp: 70075

Ion Ratio Lower Upper

56 100

55 69.4 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.00

25000

20000

15000

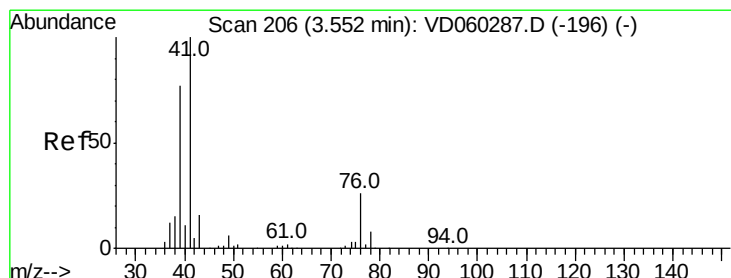
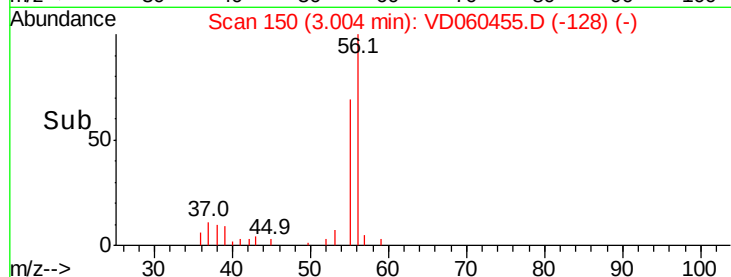
10000

5000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 49.481 ug/l

RT: 3.57 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

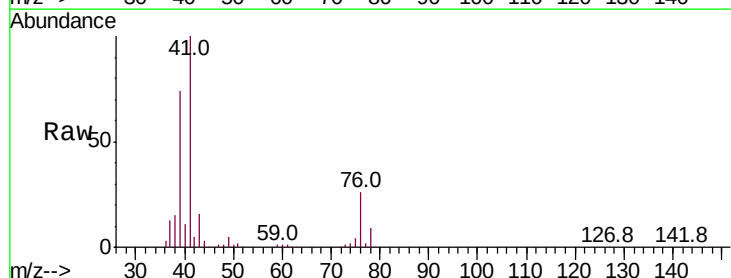
Tgt Ion: 41 Resp: 548870

Ion Ratio Lower Upper

41 100

39 73.6 60.4 90.6

76 26.4 21.8 32.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

400000

300000

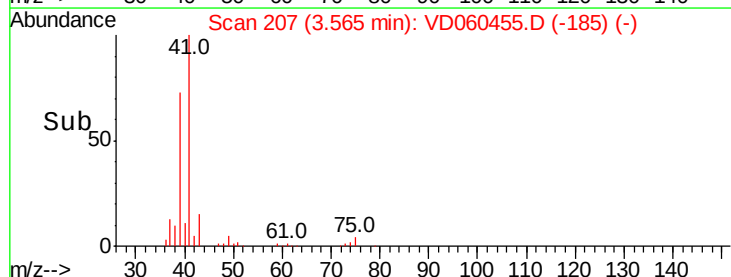
200000

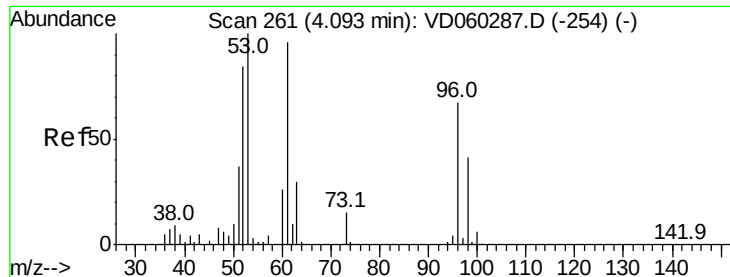
100000

0

Time-->

3.40 3.50 3.60 3.70





#15

Acrylonitrile

Concen: 261.556 ug/l

RT: 4.12 min Scan# 263

Delta R.T. 0.02 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

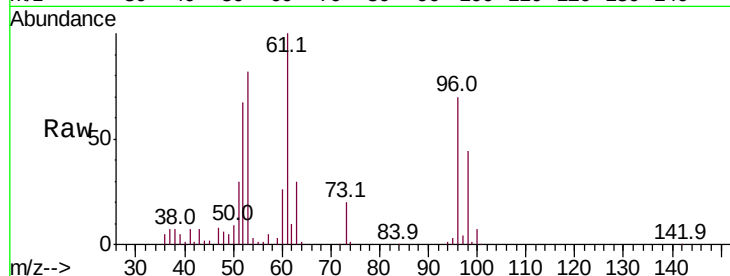
Tot Ion: 53 Resp: 532829

Ion Ratio Lower Upper

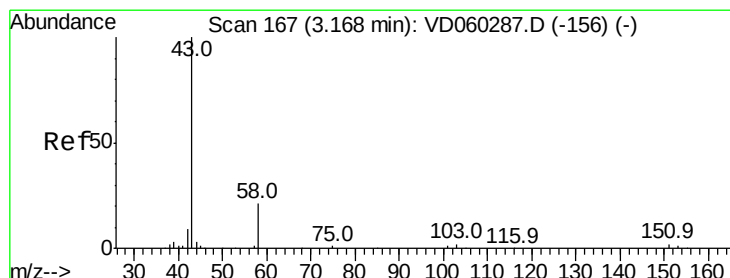
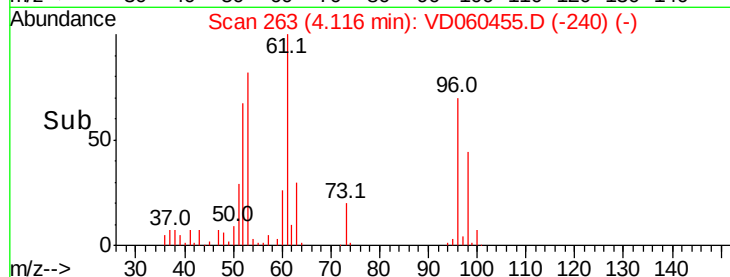
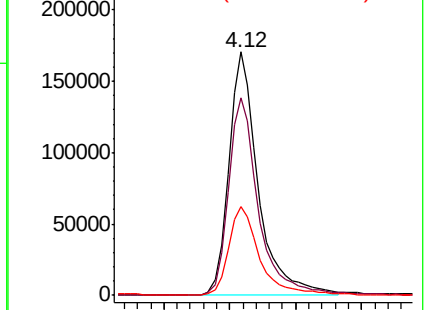
53 100

52 81.3 67.0 100.4

51 36.2 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 240.522 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060455.D

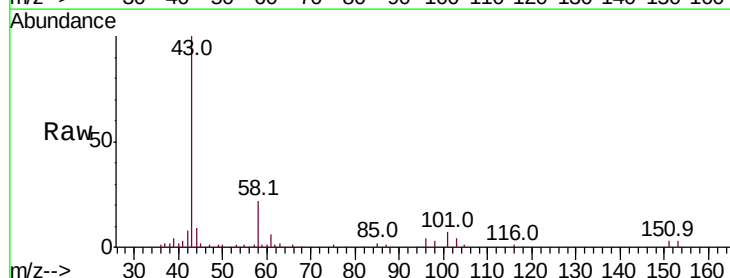
Acq: 26 Nov 2018 14:57

Tgt Ion: 43 Resp: 354931

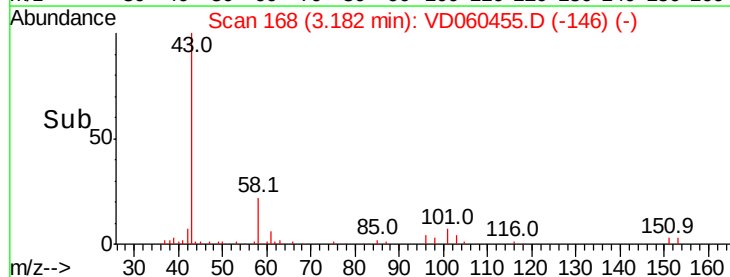
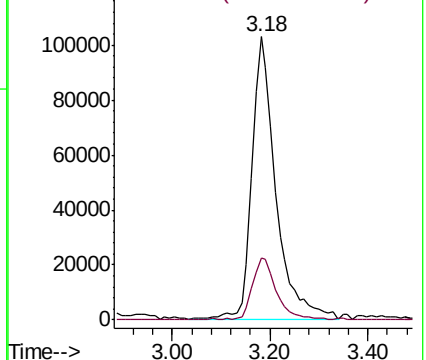
Ion Ratio Lower Upper

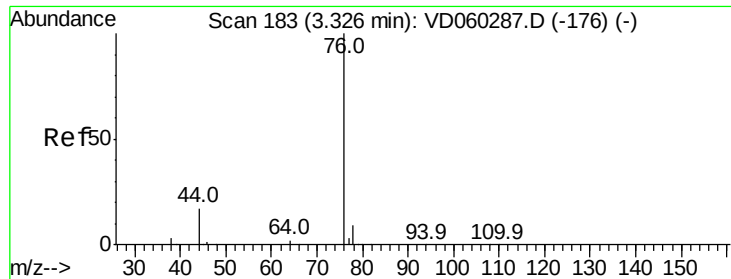
43 100

58 22.1 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: 43.581 ug/l

RT: 3.34 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

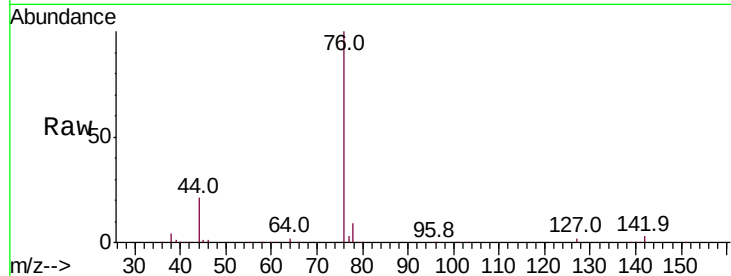
FDSB-05(25-27)MSD

Tot Ion: 76 Resp: 815505

Ion Ratio Lower Upper

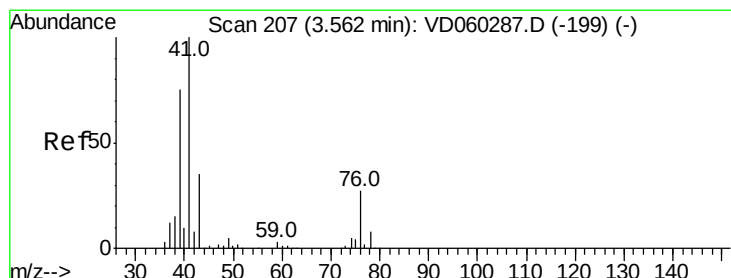
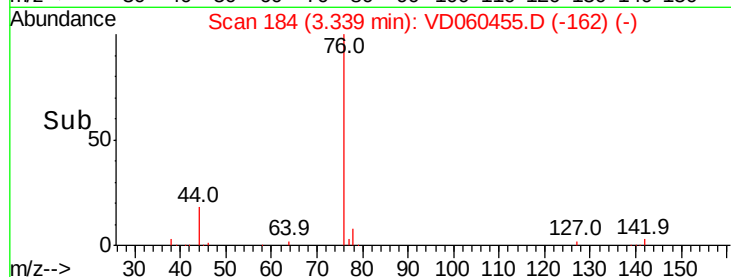
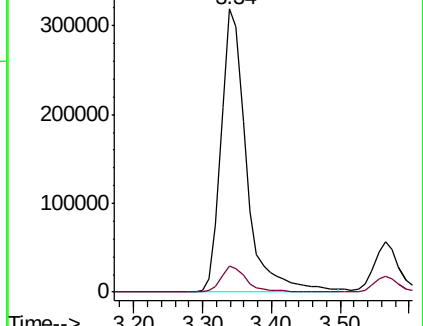
76 100

78 9.1 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: 57.341 ug/l

RT: 3.59 min Scan# 209

Delta R.T. 0.02 min

Lab File: VD060455.D

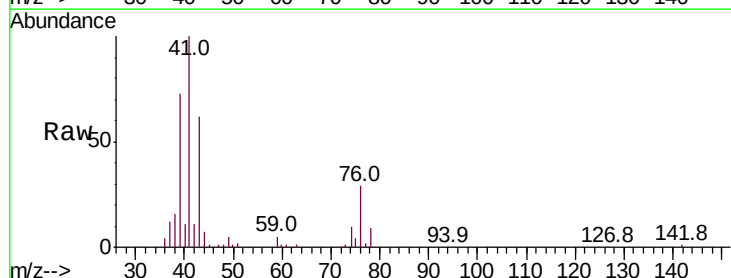
Acq: 26 Nov 2018 14:57

Tgt Ion: 43 Resp: 180421

Ion Ratio Lower Upper

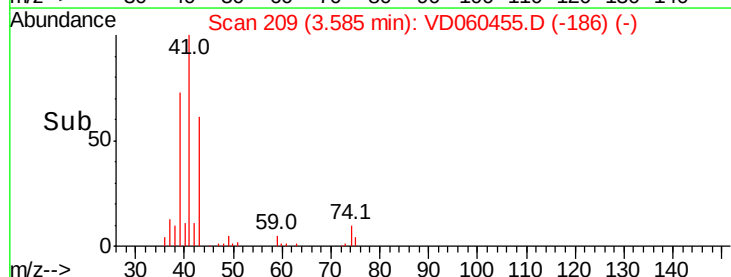
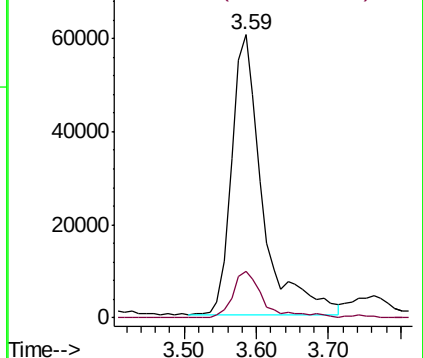
43 100

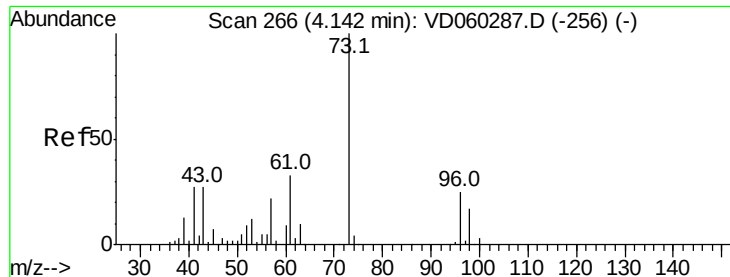
74 16.3 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



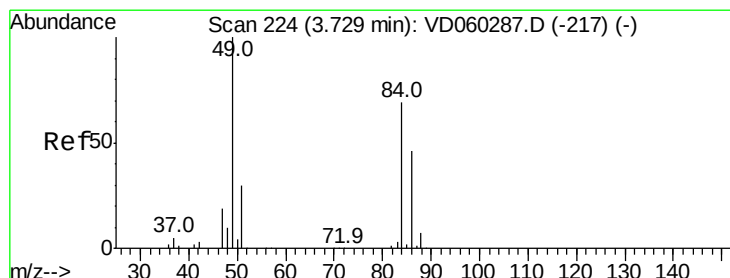
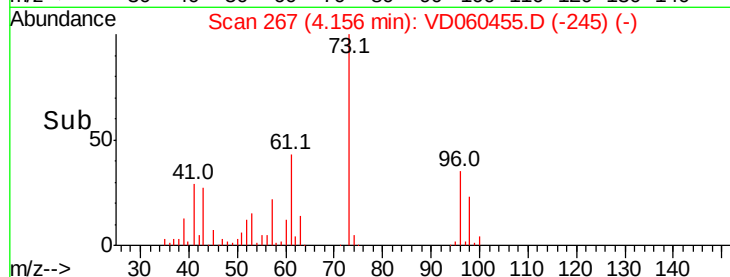
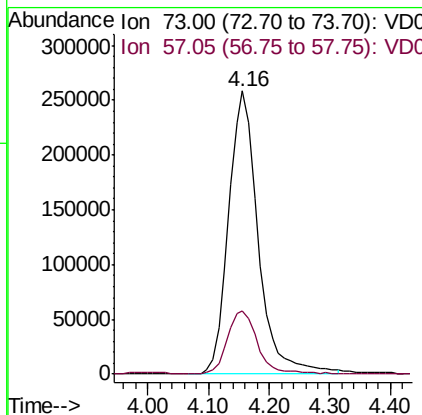
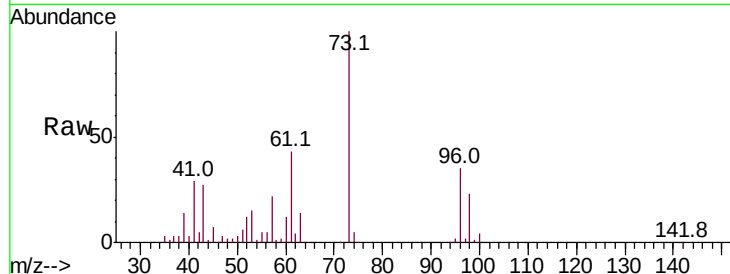


#19

Methyl tert-butyl Ether
 Concen: 50.681 ug/l
 RT: 4.16 min Scan# 267
 Delta R.T. 0.01 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

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

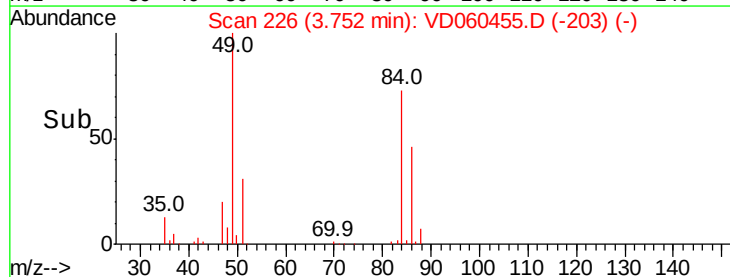
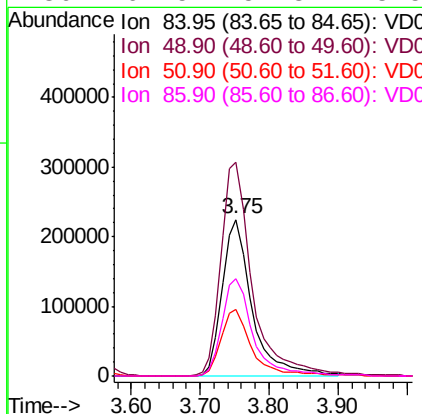
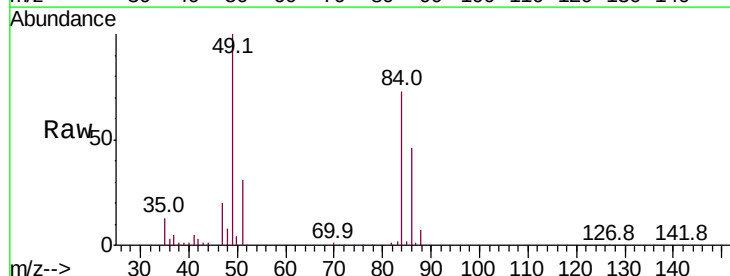
Tot Ion: 73 Resp: 879786
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.1 27.1

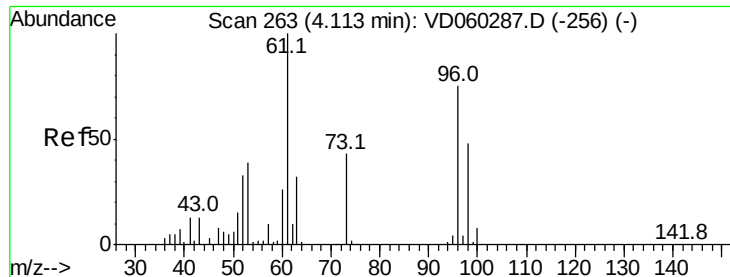


#20

Methylene Chloride
 Concen: 51.713 ug/l
 RT: 3.75 min Scan# 226
 Delta R.T. 0.02 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

Tgt Ion: 84 Resp: 676944
 Ion Ratio Lower Upper
 84 100
 49 136.4 115.6 173.4
 51 42.2 35.6 53.4
 86 62.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 49.760 ug/l

RT: 4.14 min Scan# 265

Delta R.T. 0.02 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

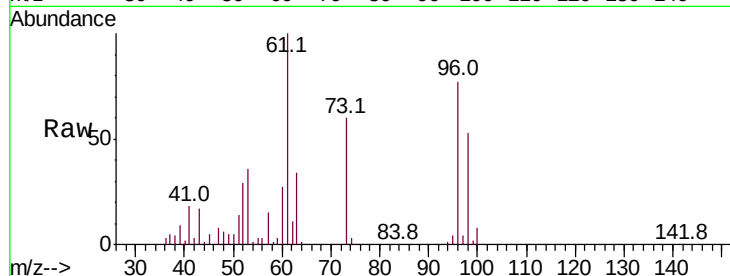
Tot Ion: 96 Resp: 640515

Ion Ratio Lower Upper

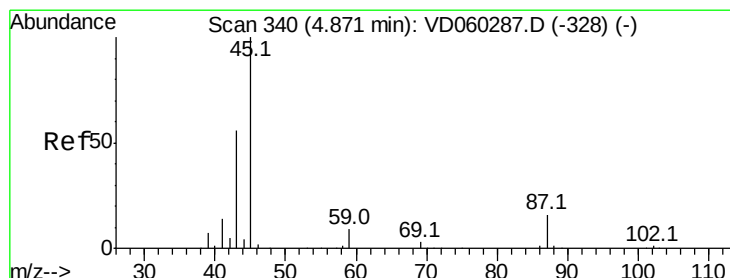
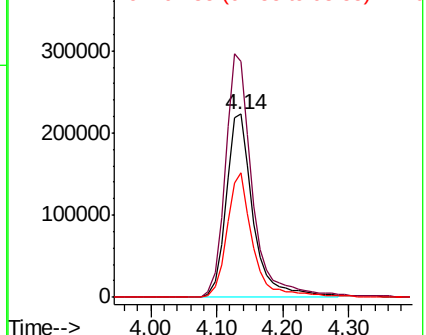
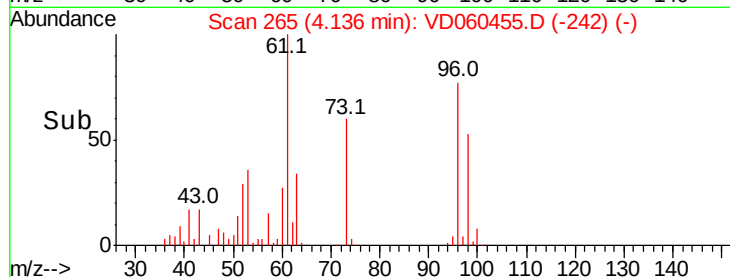
96 100

61 129.1 105.8 158.6

98 67.9 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 52.371 ug/l

RT: 4.88 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Tgt Ion: 45 Resp: 2170369

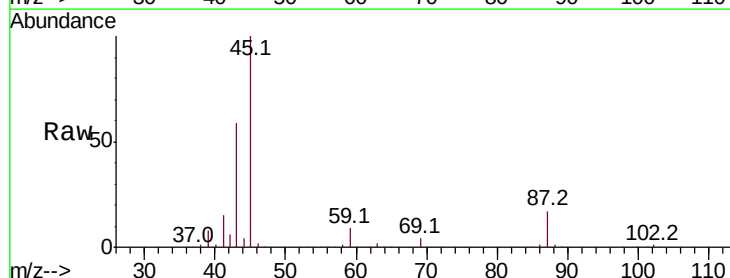
Ion Ratio Lower Upper

45 100

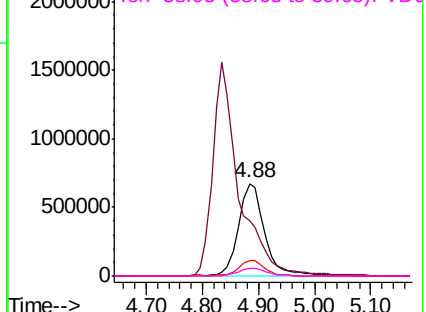
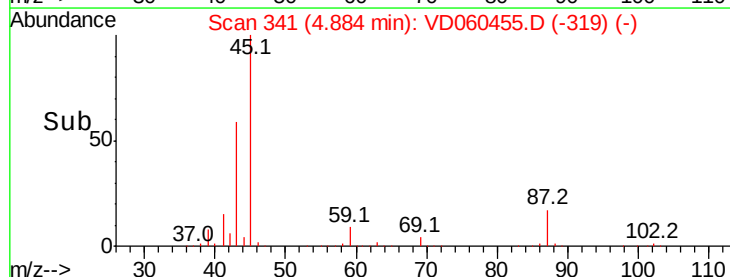
43 59.2 44.9 67.3

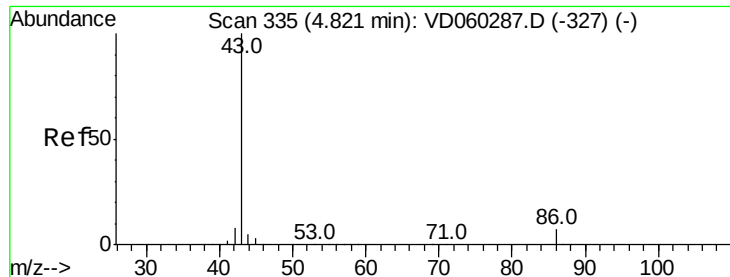
87 16.7 13.9 20.9

59 8.6 7.0 10.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 244.839 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

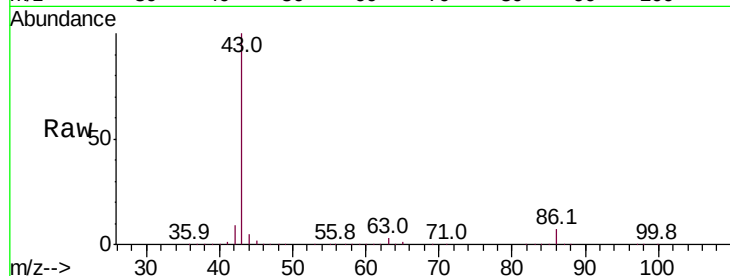
FDSB-05(25-27)MSD

Tot Ion: 43 Resp: 5048828

Ion Ratio Lower Upper

43 100

86 6.8 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1500000

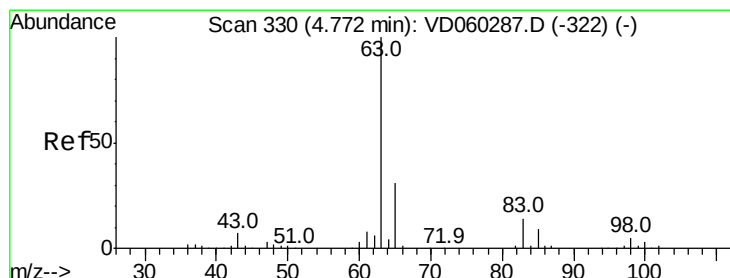
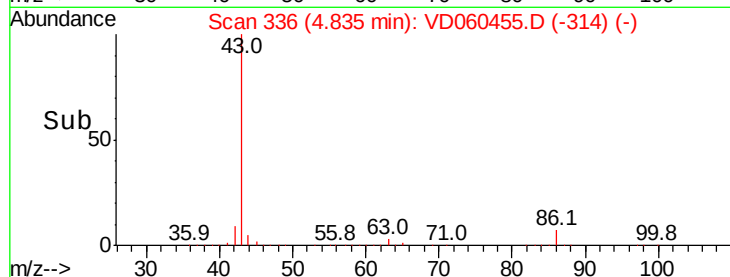
1000000

500000

0

4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.750 ug/l

RT: 4.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

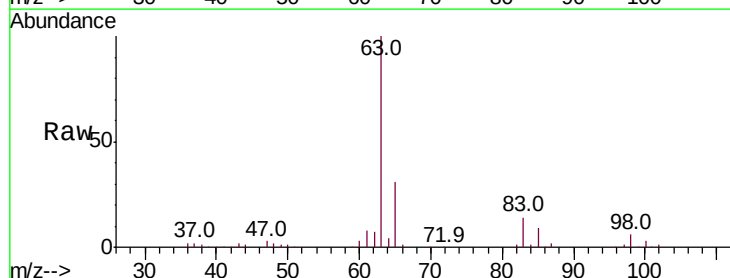
Tgt Ion: 63 Resp: 1099777

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.5 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

500000

400000

300000

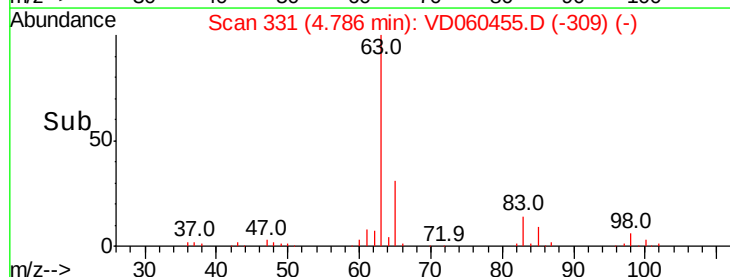
200000

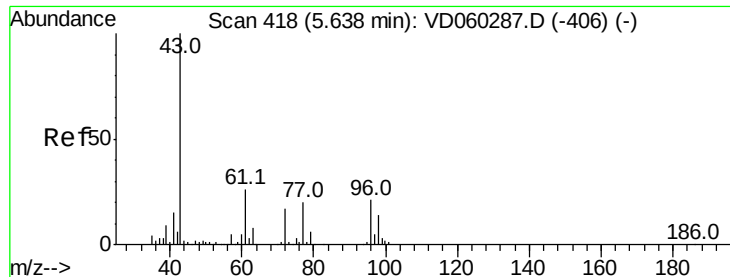
100000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 237.729 ug/l

RT: 5.65 min Scan# 419

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

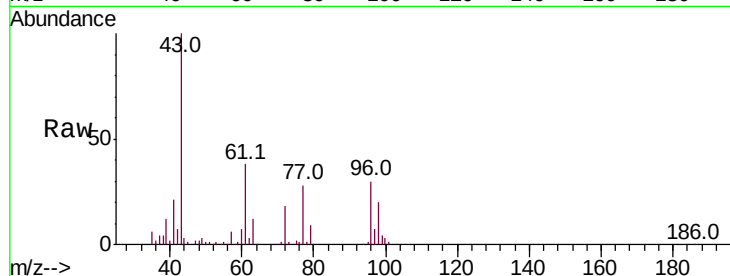
FDSB-05(25-27)MSD

Tot Ion: 43 Resp: 729181

Ion Ratio Lower Upper

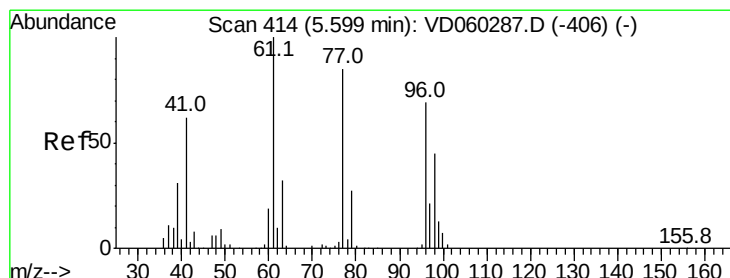
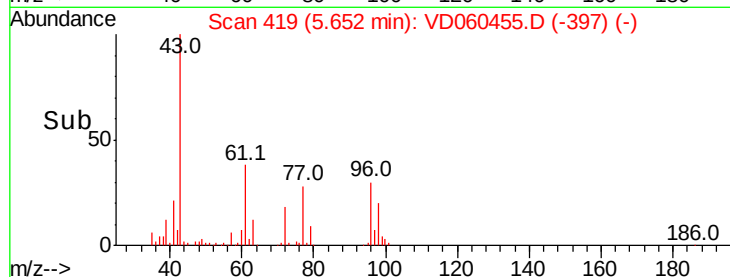
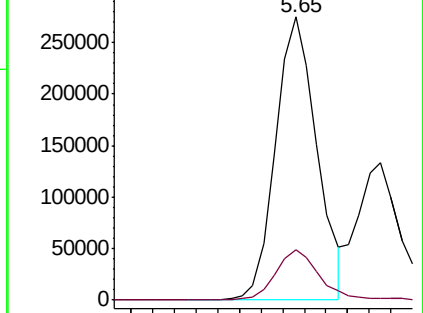
43 100

72 17.8 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: 51.114 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060455.D

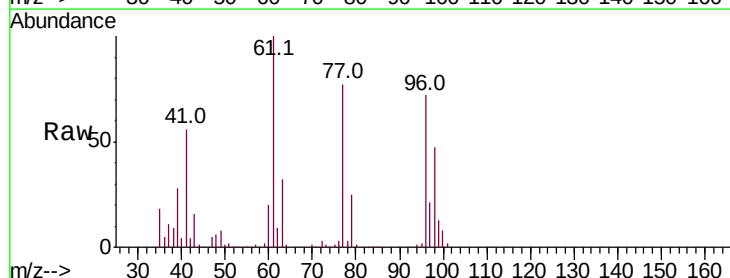
Acq: 26 Nov 2018 14:57

Tgt Ion: 77 Resp: 844514

Ion Ratio Lower Upper

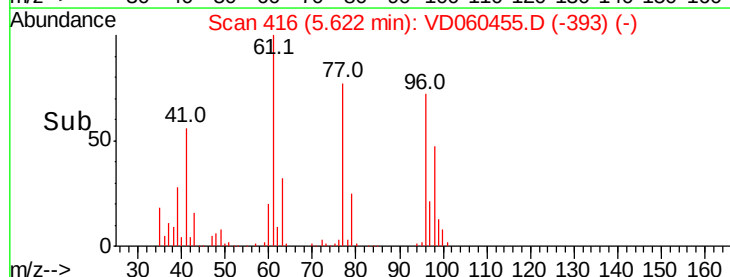
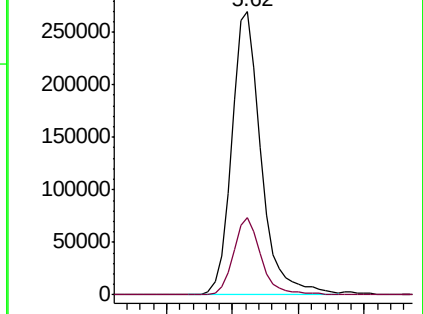
77 100

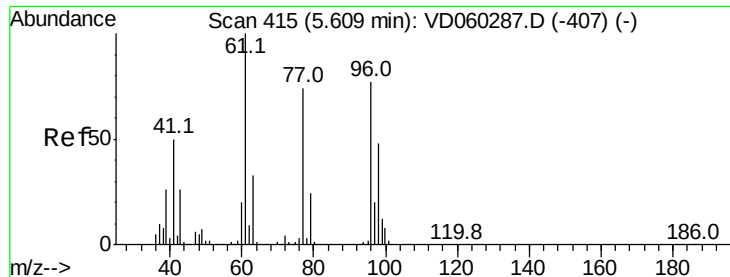
97 27.1 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



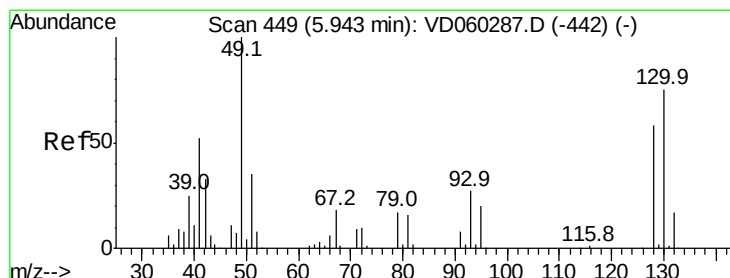
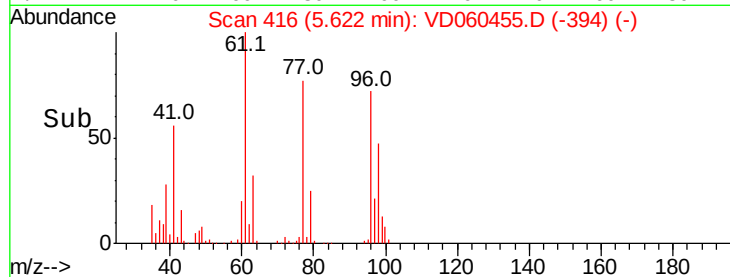
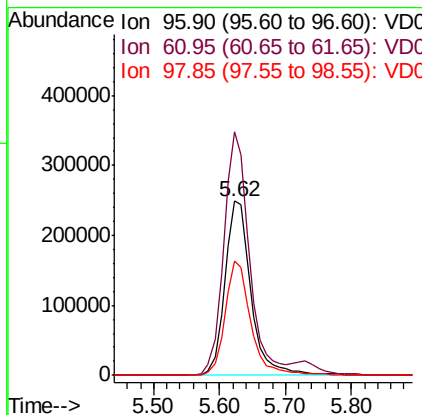
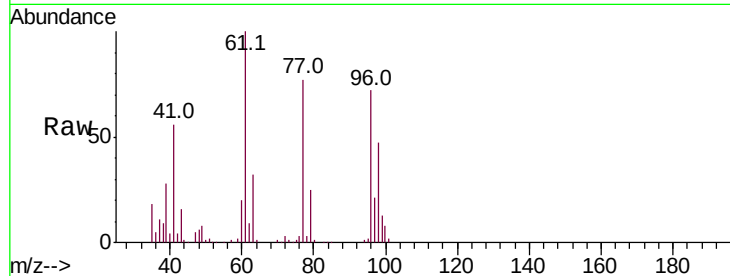


#27

cis-1,2-Dichloroethene
 Concen: 51.490 ug/l
 RT: 5.62 min Scan# 416
 Delta R.T. 0.01 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

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

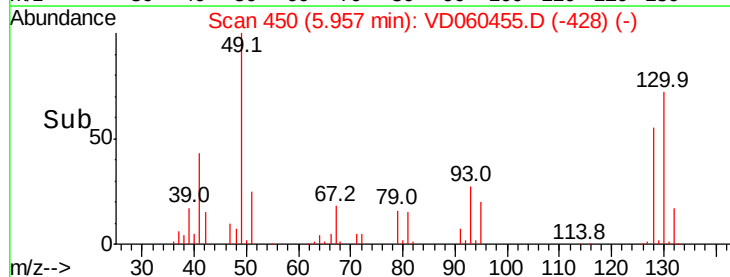
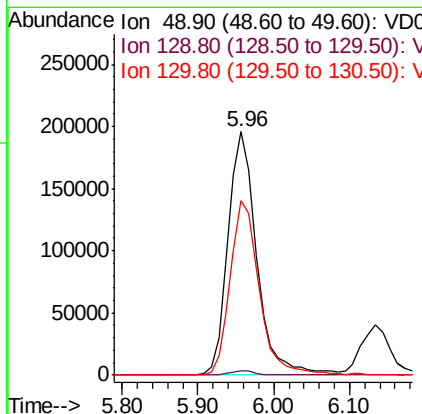
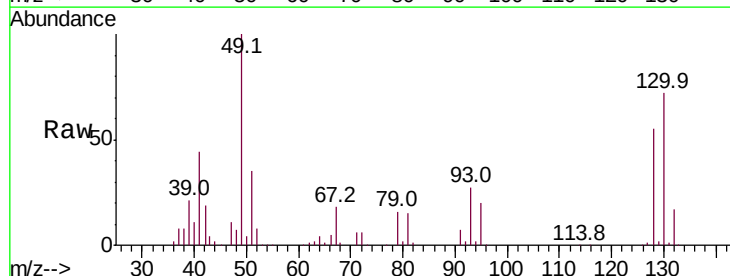
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	259.0
98	65.9	0.0	128.8

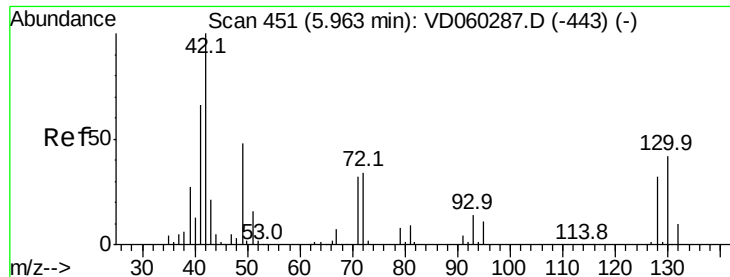


#28

Bromochloromethane
 Concen: 54.804 ug/l
 RT: 5.96 min Scan# 450
 Delta R.T. 0.01 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.8
130	71.6	53.6	80.4





#29

Tetrahydrofuran

Concen: 245.689 ug/l

RT: 5.99 min Scan# 453

Delta R.T. 0.02 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

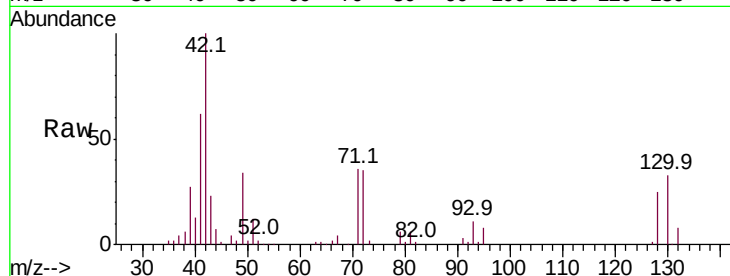
Tot Ion: 42 Resp: 397317

Ion Ratio Lower Upper

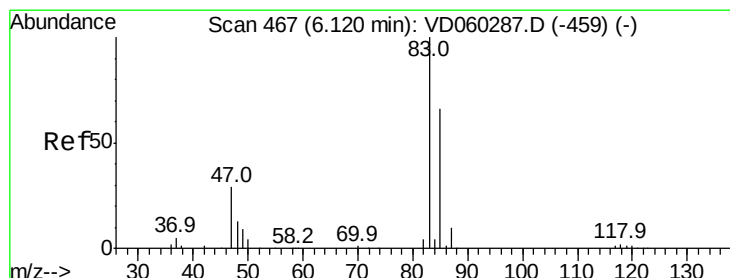
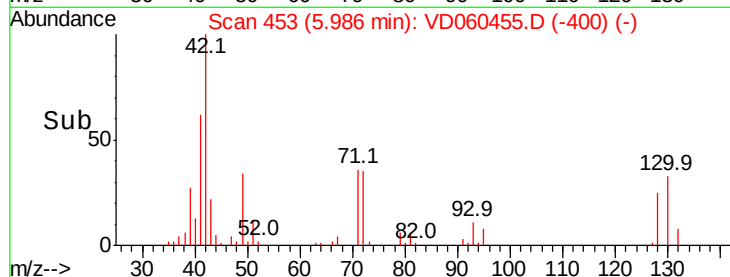
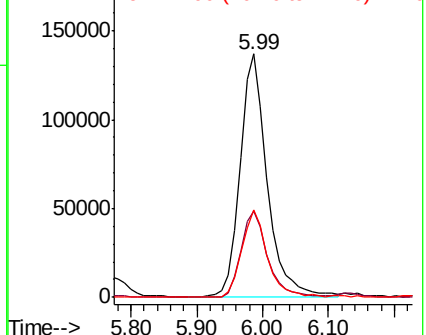
42 100

72 34.7 27.6 41.4

71 34.0 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: 52.160 ug/l

RT: 6.13 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD060455.D

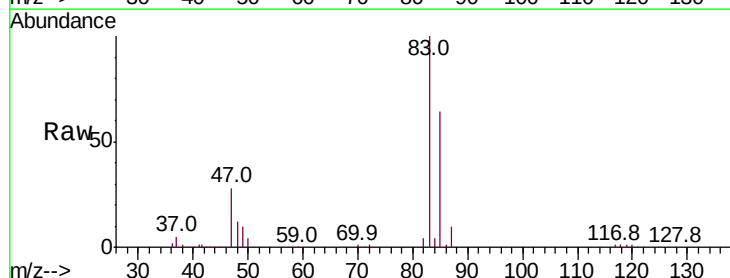
Acq: 26 Nov 2018 14:57

Tgt Ion: 83 Resp: 1108160

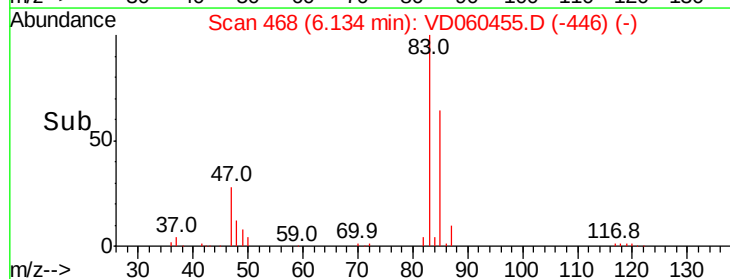
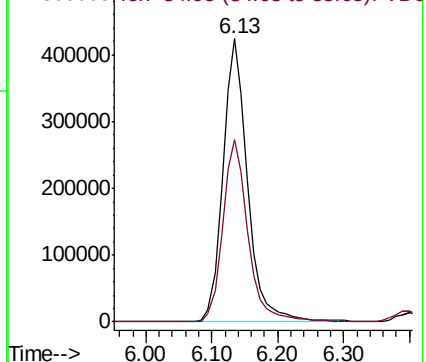
Ion Ratio Lower Upper

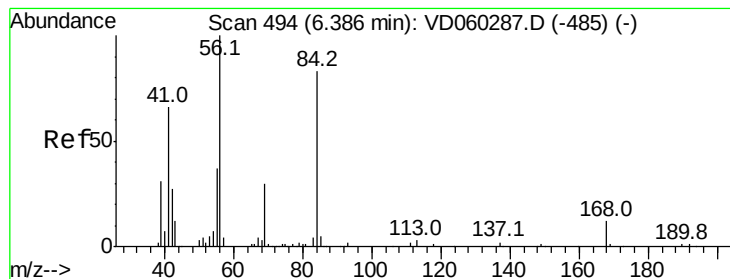
83 100

85 64.2 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 43.752 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

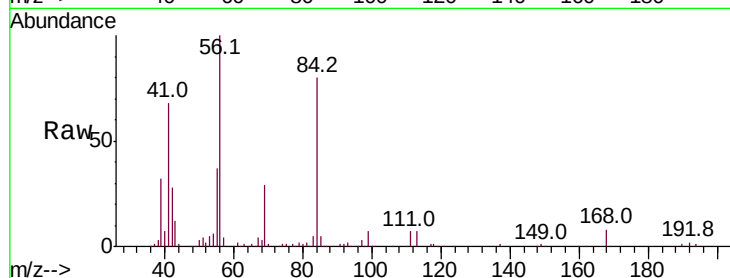
Tot Ion: 56 Resp: 888685

Ion Ratio Lower Upper

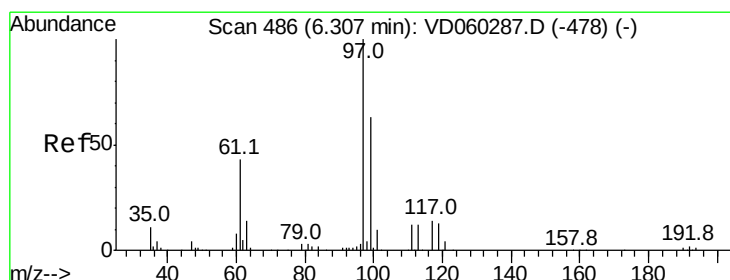
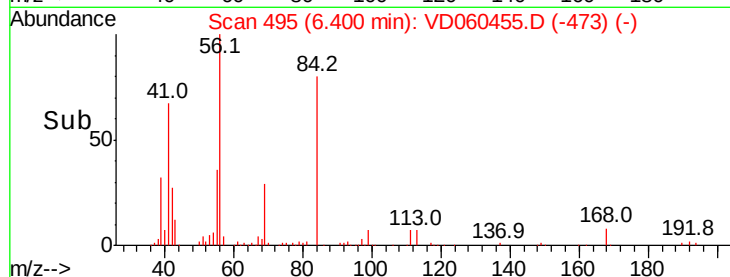
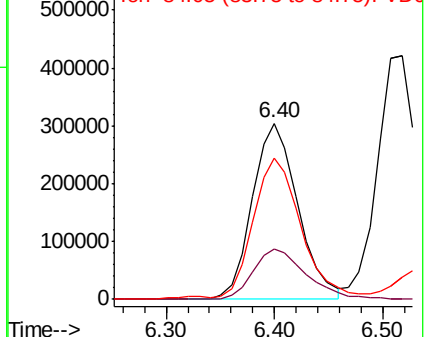
56 100

69 28.9 22.2 33.2

84 80.4 63.0 94.4



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



#32

1,1,1-Trichloroethane

Concen: 50.849 ug/l

RT: 6.32 min Scan# 487

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

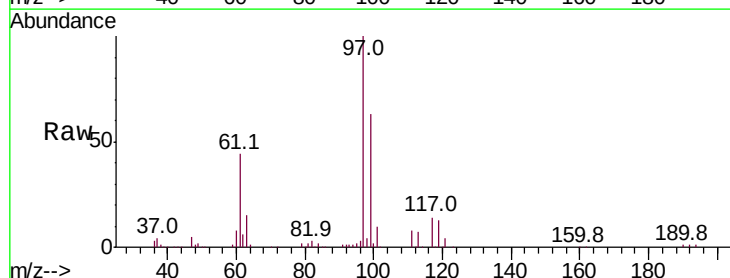
Tgt Ion: 97 Resp: 909986

Ion Ratio Lower Upper

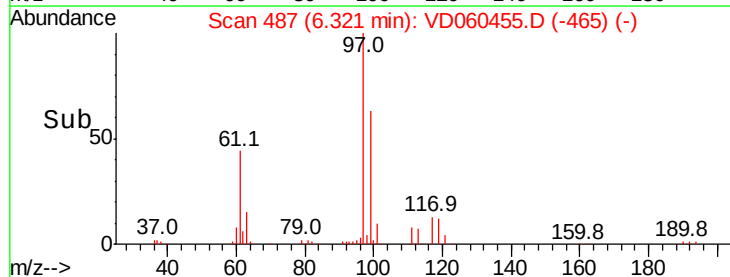
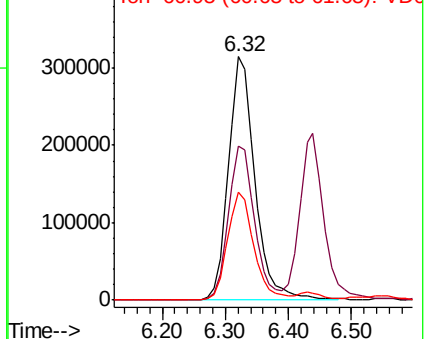
97 100

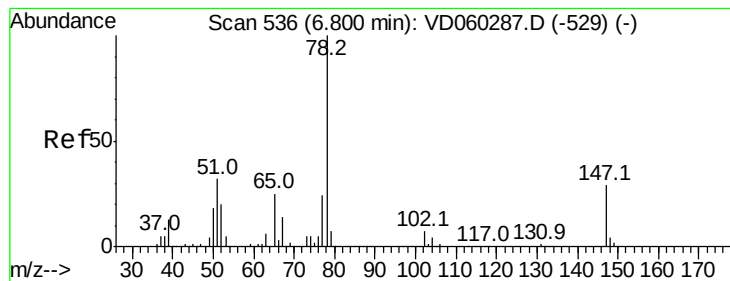
99 63.4 51.5 77.3

61 44.5 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: 50.849 ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

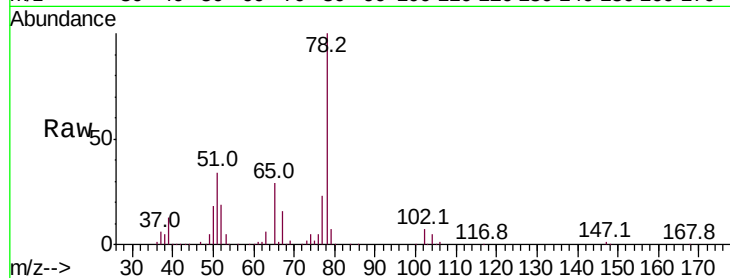
FDSB-05(25-27)MSD

Tot Ion: 65 Resp: 449270

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.81

200000

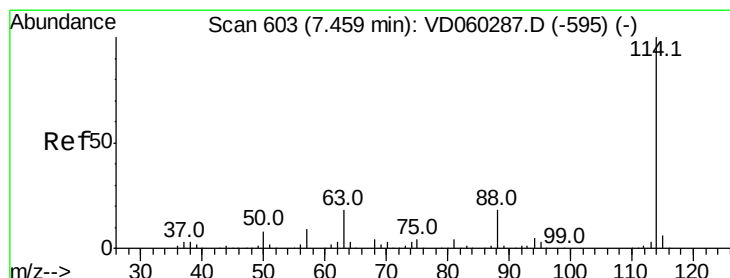
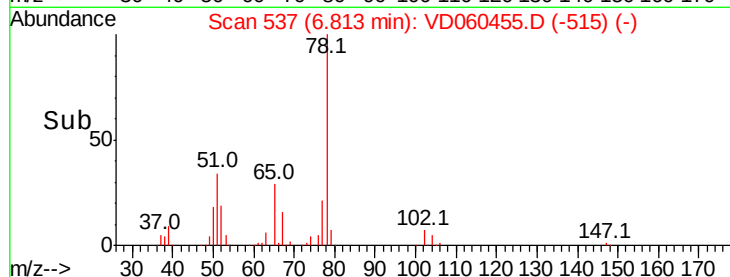
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

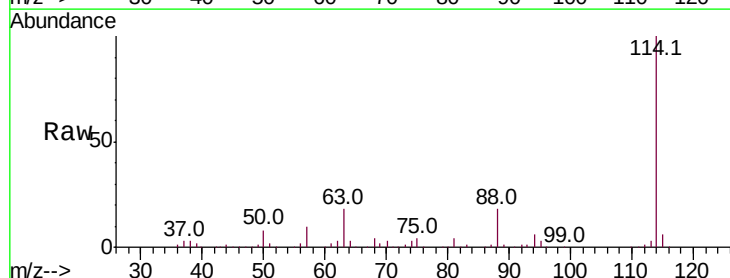
Tgt Ion: 114 Resp: 1657794

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.0

88 18.0 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.47

800000

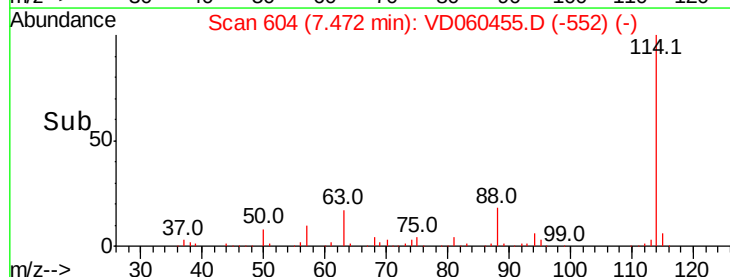
600000

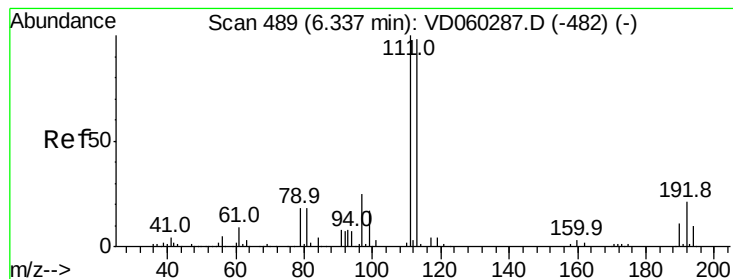
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.35 min Scan# 490

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

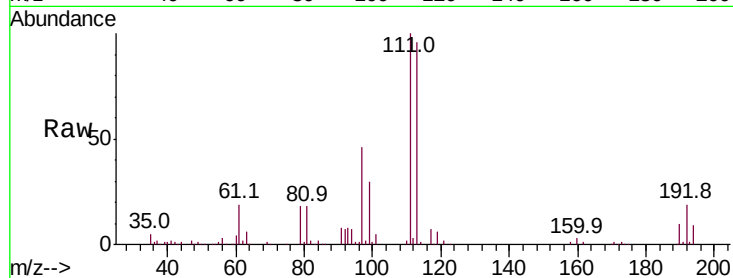
Tot Ion:113 Resp: 677295

Ion Ratio Lower Upper

113 100

111 104.0 81.6 122.4

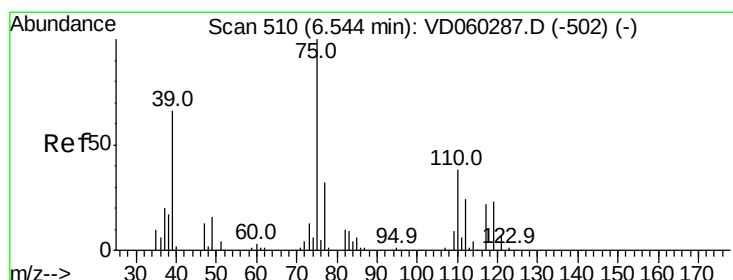
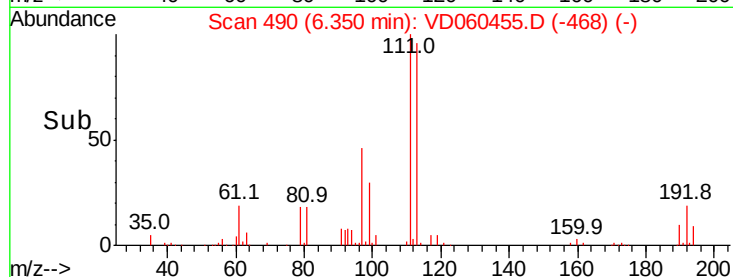
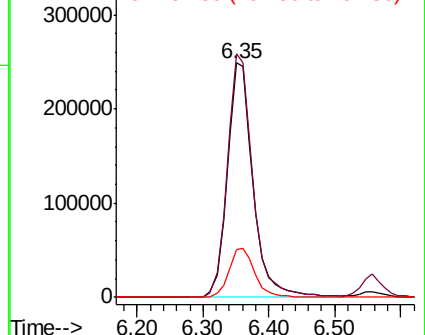
192 20.2 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 49.615 ug/l

RT: 6.56 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

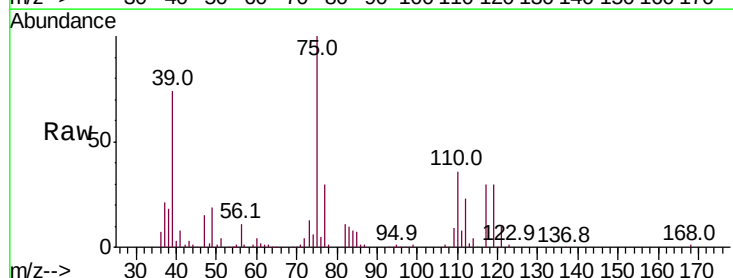
Tgt Ion: 75 Resp: 812611

Ion Ratio Lower Upper

75 100

110 36.3 18.0 54.0

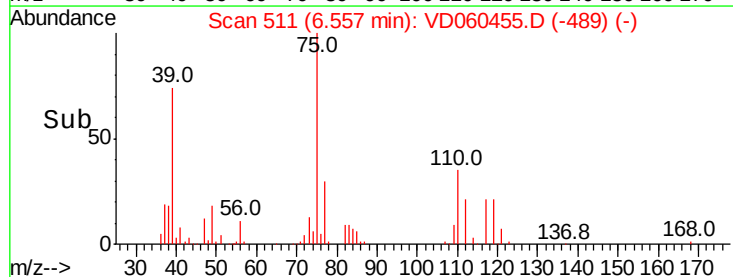
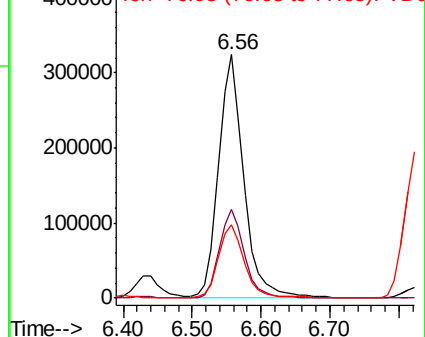
77 30.4 25.6 38.4

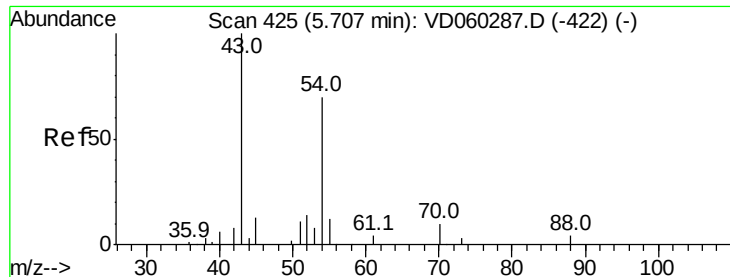


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

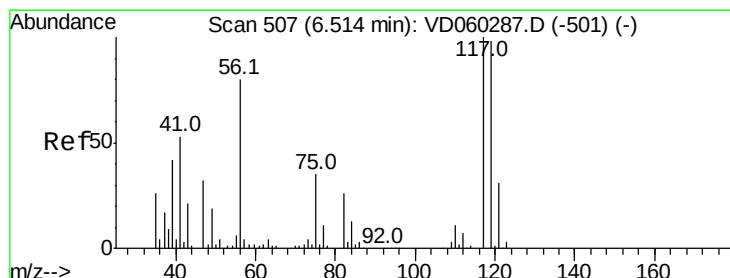
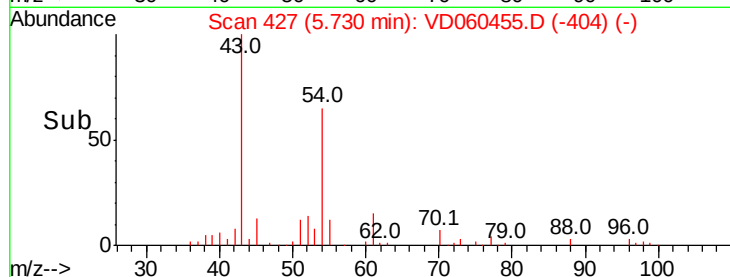
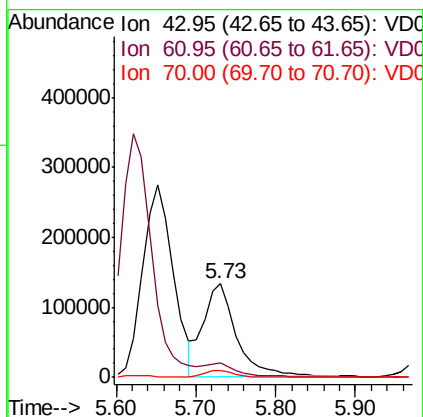
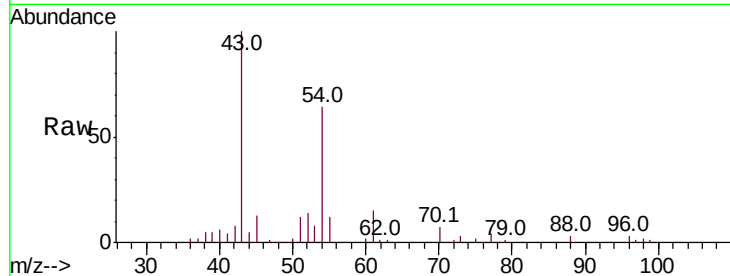




#37
Ethyl Acetate
Concen: 50.761 ug/l
RT: 5.73 min Scan# 427
Delta R.T. 0.02 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

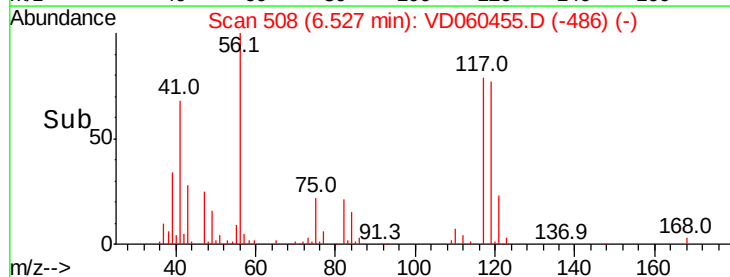
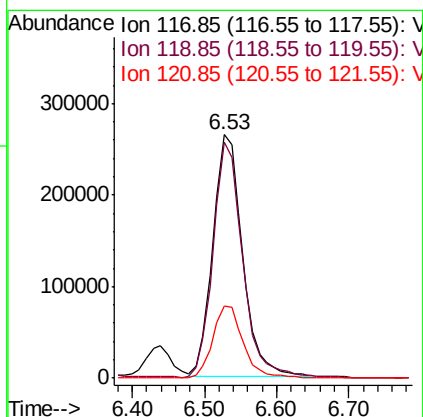
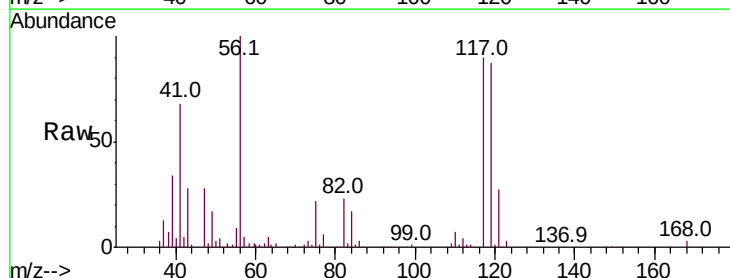
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MSD

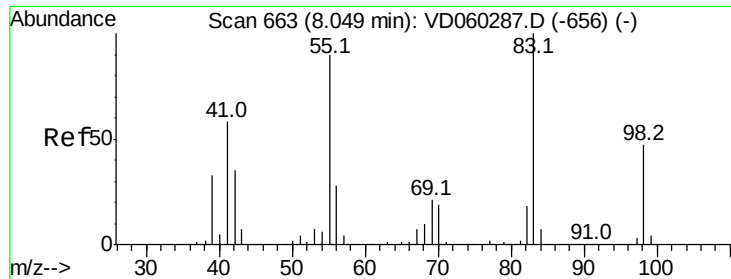
Tot Ion: 43 Resp: 382563
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.6
70 7.4 6.2 9.4



#38
Carbon Tetrachloride
Concen: 49.604 ug/l
RT: 6.53 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

Tgt Ion: 117 Resp: 753628
Ion Ratio Lower Upper
117 100
119 96.9 76.6 115.0
121 29.6 24.3 36.5

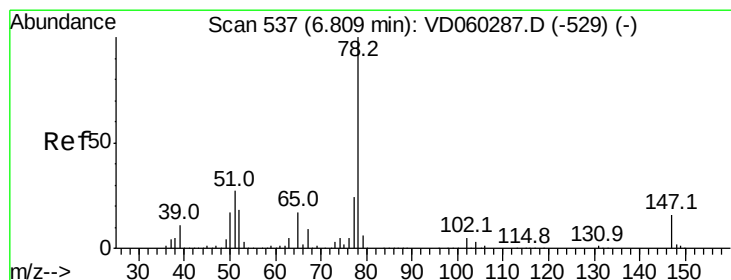
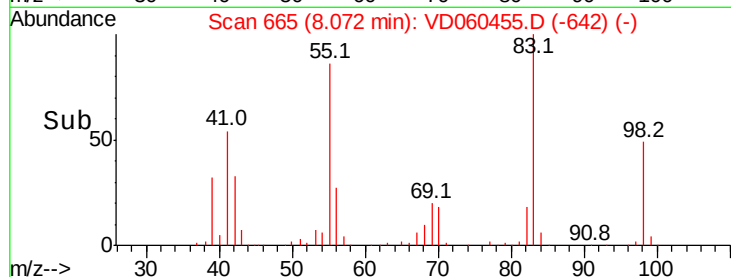
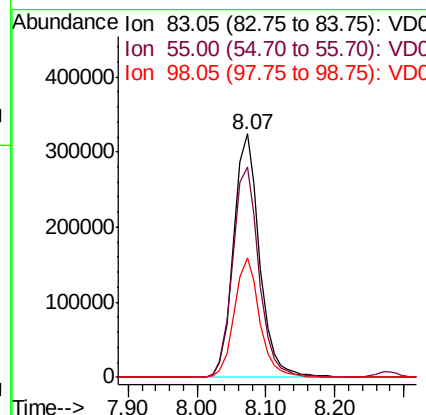
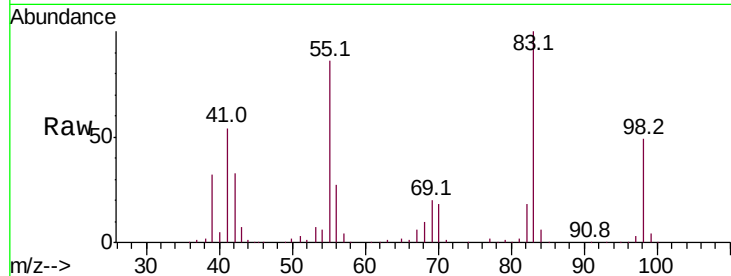




#39
Methylvlcyclohexane
Concen: 44.831 ug/l
RT: 8.07 min Scan# 665
Delta R.T. 0.02 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

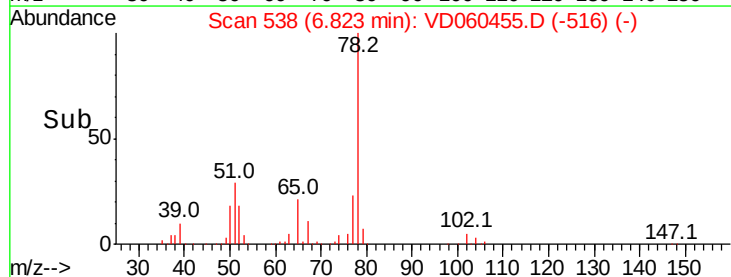
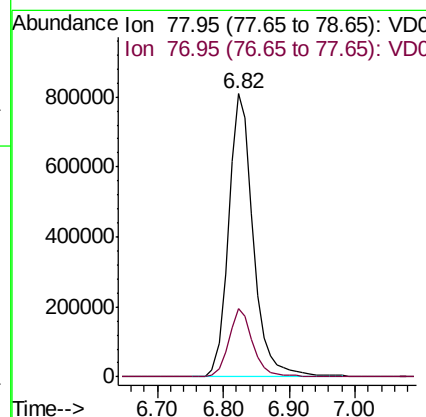
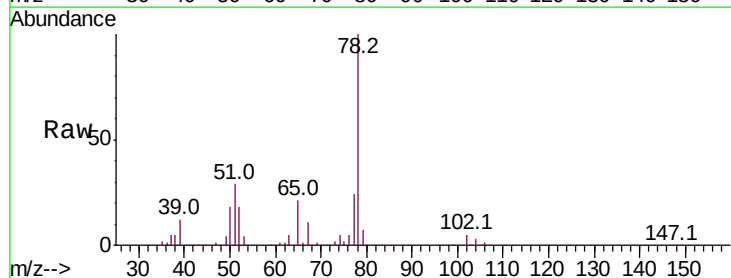
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MSD

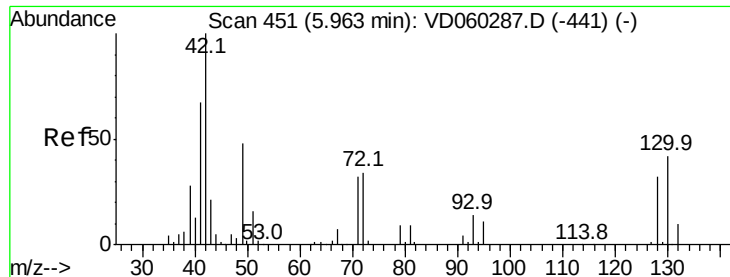
Tot Ion: 83 Resp: 844504
Ion Ratio Lower Upper
83 100
55 86.2 71.2 106.8
98 49.1 38.4 57.6



#40
Benzene
Concen: 50.548 ug/l
RT: 6.82 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

Tgt Ion: 78 Resp: 2113295
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2

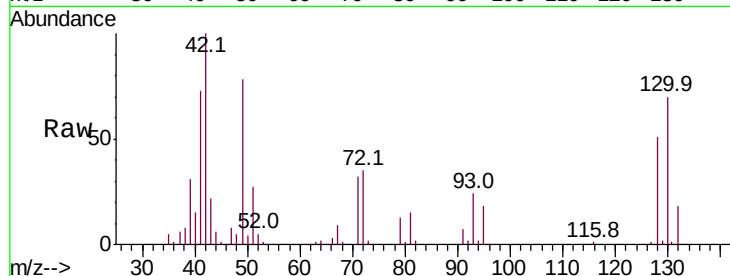




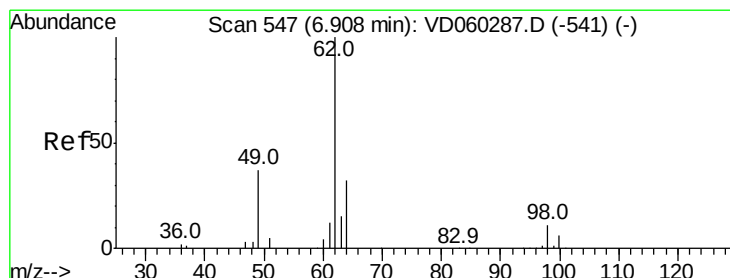
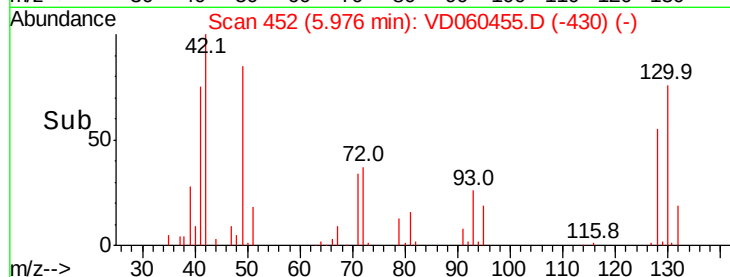
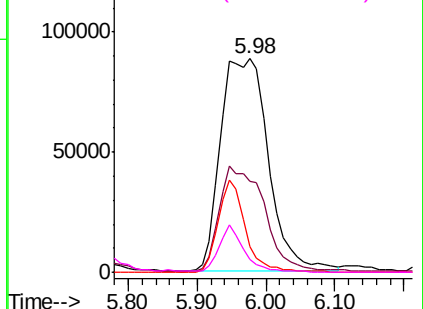
#41
Methacrylonitrile
Concen: 49.456 ug/l
RT: 5.98 min Scan# 452
Delta R.T. 0.01 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

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

Tot Ion:	41	Resp:	426606
Ion	Ratio	Lower	Upper
41	100		
39	42.7	36.2	54.2
67	12.0	11.9	17.9
52	6.2	5.2	7.8

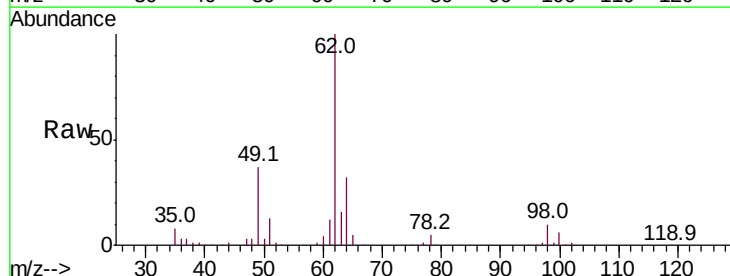


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

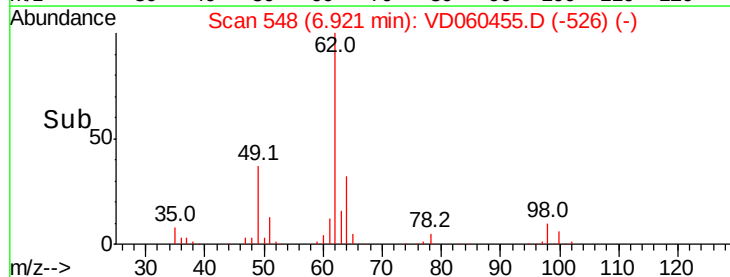
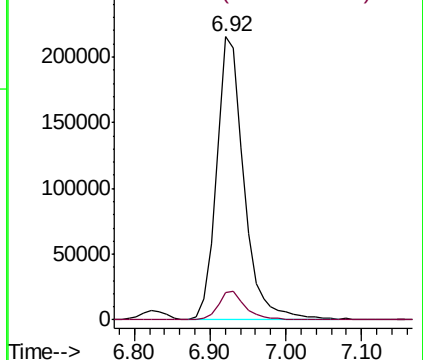


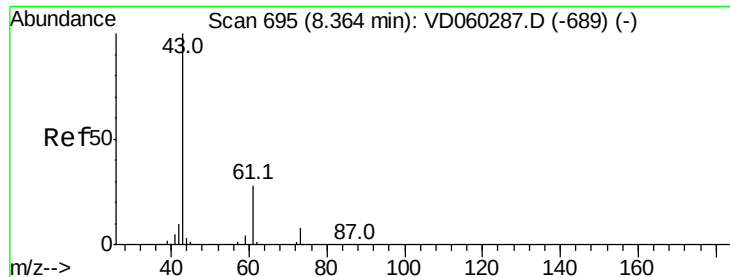
#42
1,2-Dichloroethane
Concen: 49.098 ug/l
RT: 6.92 min Scan# 548
Delta R.T. 0.01 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

Tgt Ion:	62	Resp:	537275
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 50.962 ug/l

RT: 8.38 min Scan# 696

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

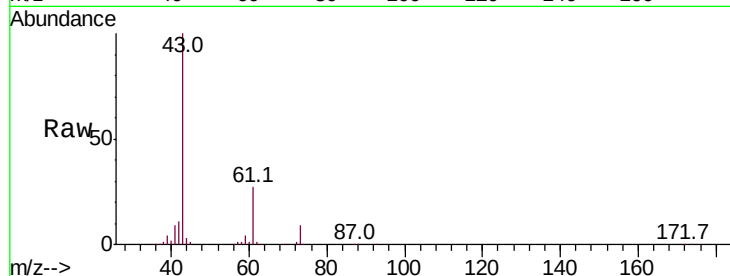
Tot Ion: 43 Resp: 482458

Ion Ratio Lower Upper

43 100

61 27.1 22.3 33.5

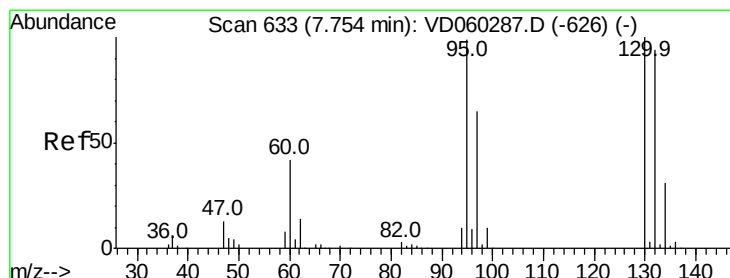
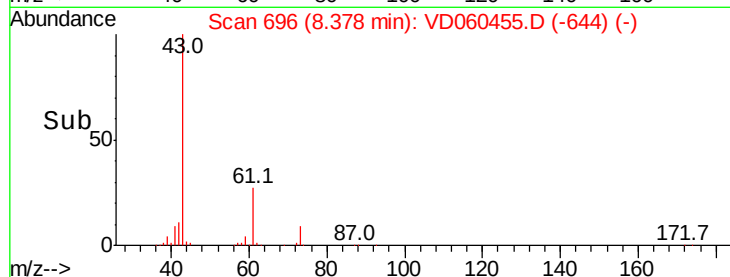
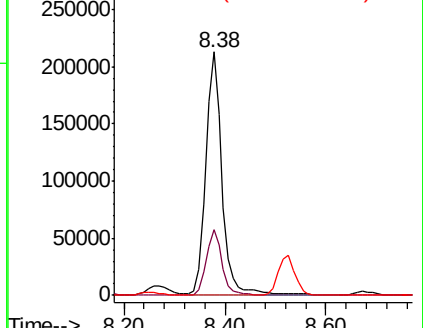
87 0.4 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.729 ug/l

RT: 7.77 min Scan# 634

Delta R.T. 0.01 min

Lab File: VD060455.D

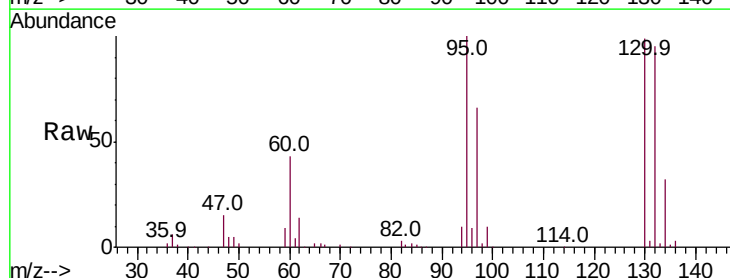
Acq: 26 Nov 2018 14:57

Tgt Ion:130 Resp: 642902

Ion Ratio Lower Upper

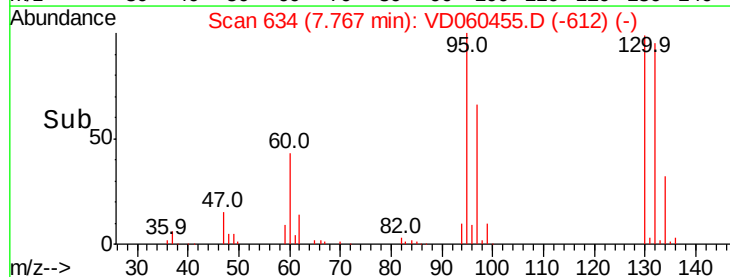
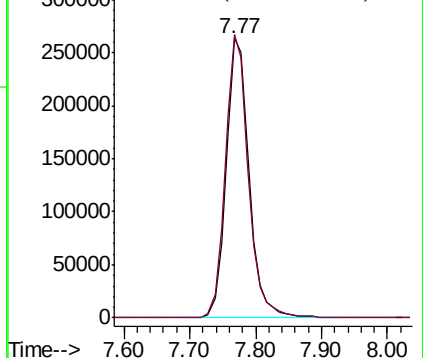
130 100

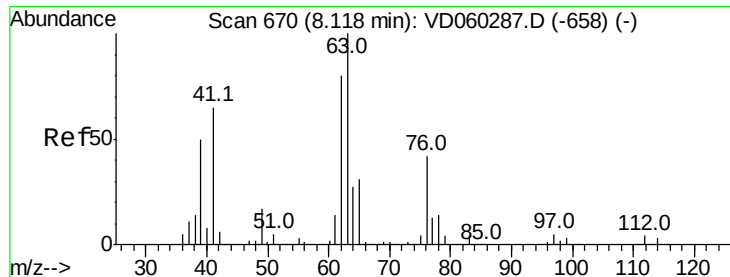
95 101.4 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.983 ug/l

RT: 8.13 min Scan# 671

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

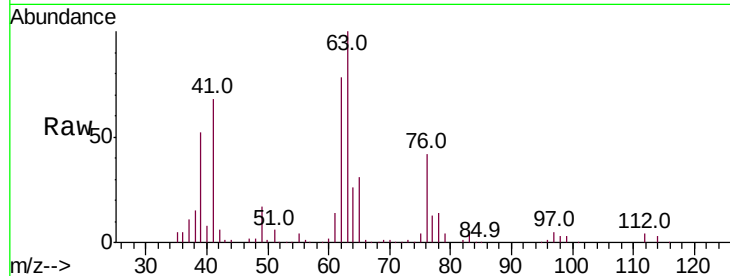
FDSB-05(25-27)MSD

Tot Ion: 63 Resp: 548107

Ion Ratio Lower Upper

63 100

65 31.1 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.13

250000

200000

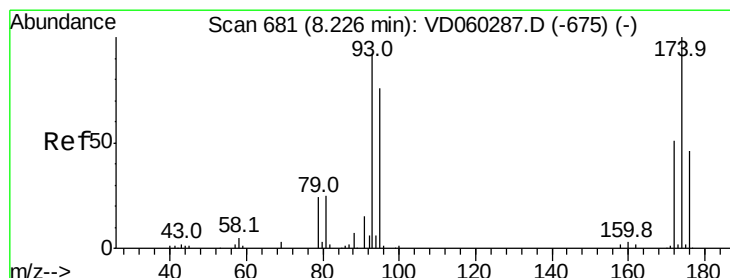
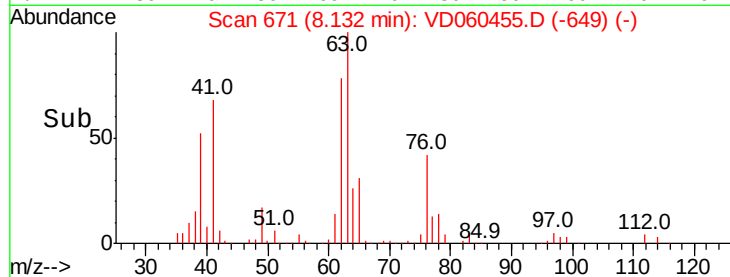
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 51.844 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

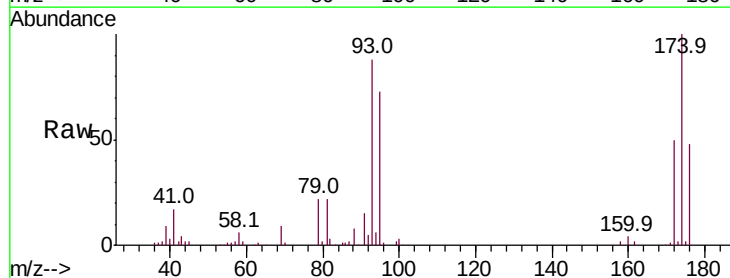
Tgt Ion: 93 Resp: 320154

Ion Ratio Lower Upper

93 100

95 82.8 66.4 99.6

174 113.4 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

200000

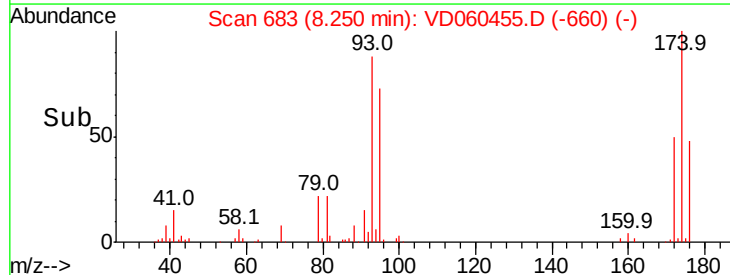
150000

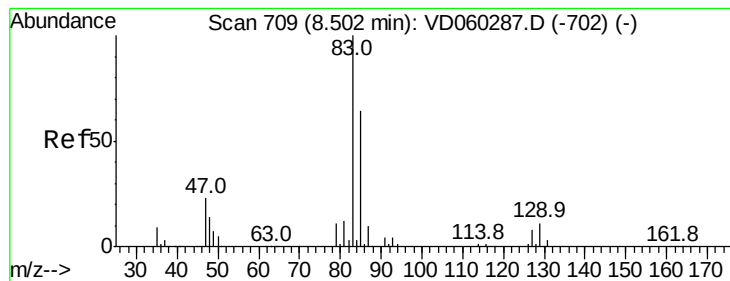
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 52.708 ug/l

RT: 8.53 min Scan# 711

Delta R.T. 0.02 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

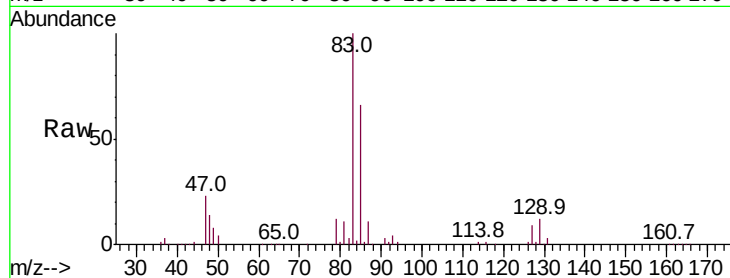
Tot Ion: 83 Resp: 767018

Ion Ratio Lower Upper

83 100

85 65.6 51.0 76.6

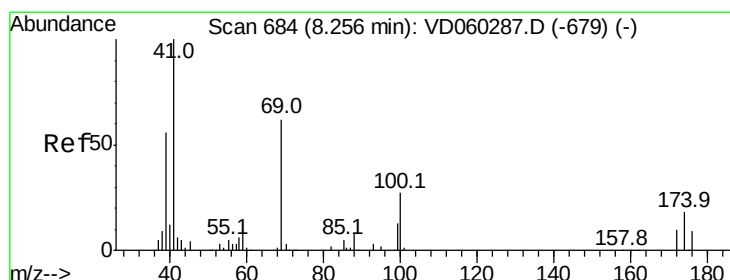
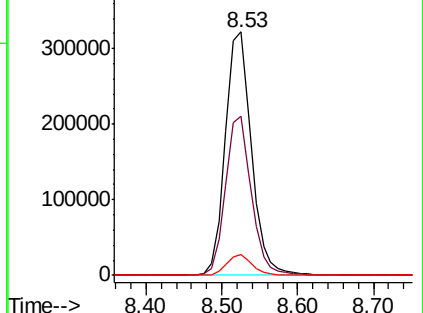
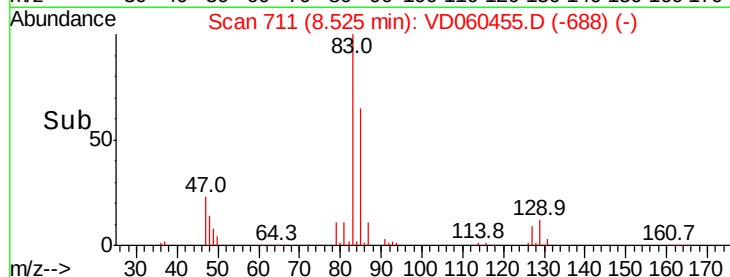
127 8.8 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 50.288 ug/l

RT: 8.28 min Scan# 686

Delta R.T. 0.02 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

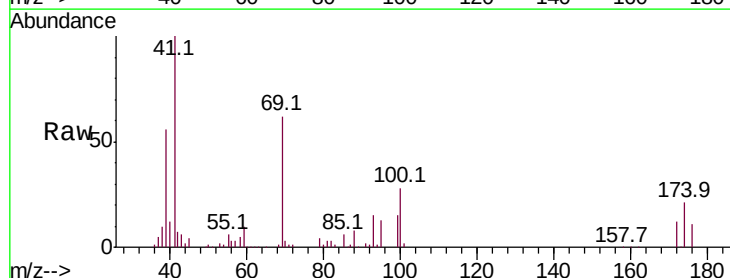
Tgt Ion: 41 Resp: 289177

Ion Ratio Lower Upper

41 100

69 62.4 47.0 70.4

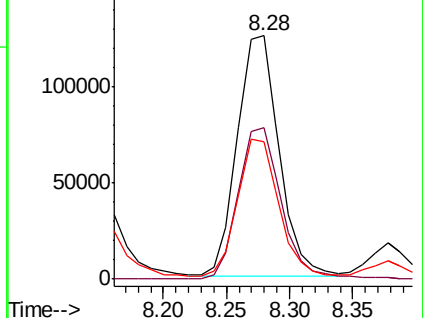
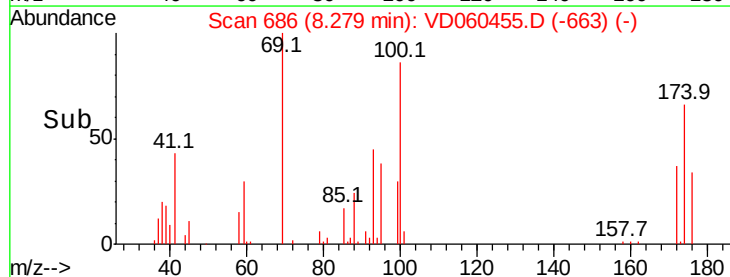
39 56.3 46.2 69.4

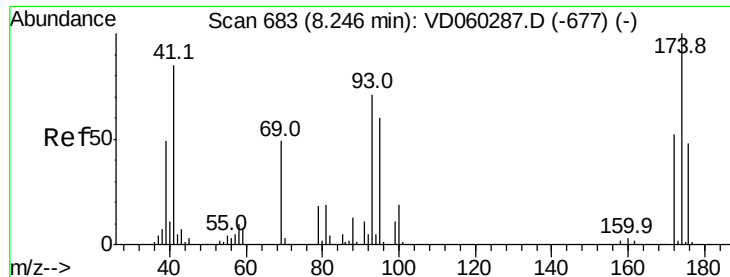


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1066.276 ug/l

RT: 8.26 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

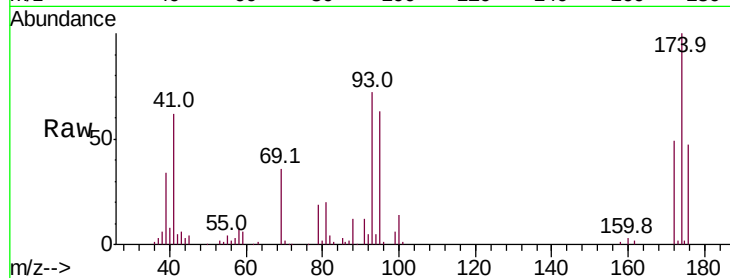
Tot Ion: 88 Resp: 53052

Ion Ratio Lower Upper

88 100

43 49.8 39.7 59.5

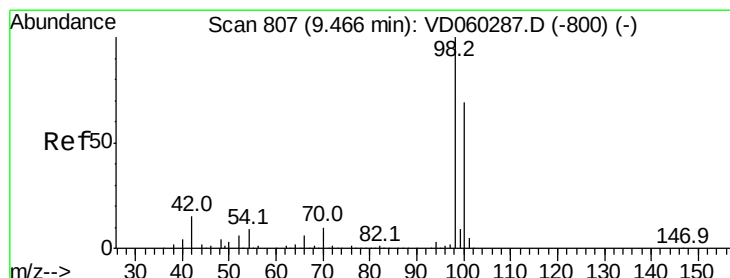
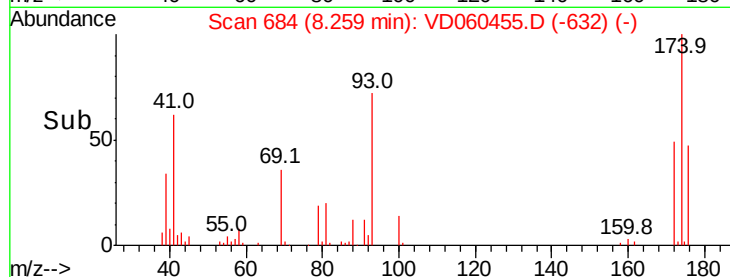
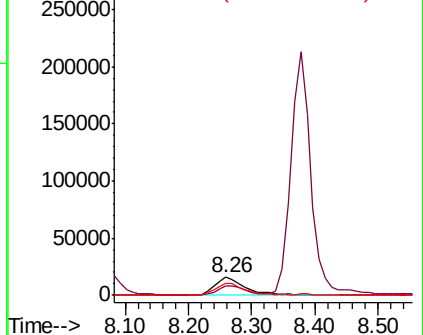
58 68.5 60.2 90.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1066.276 ug/l

RT: 9.49 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD060455.D

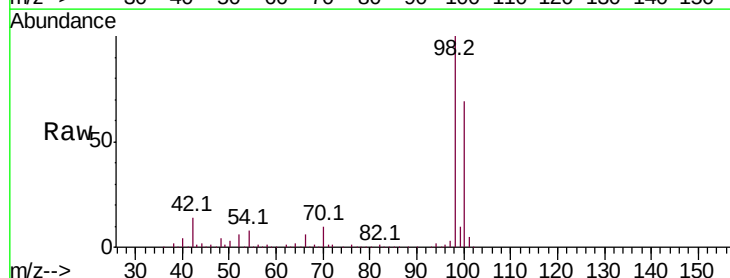
Acq: 26 Nov 2018 14:57

Tgt Ion: 98 Resp: 1893172

Ion Ratio Lower Upper

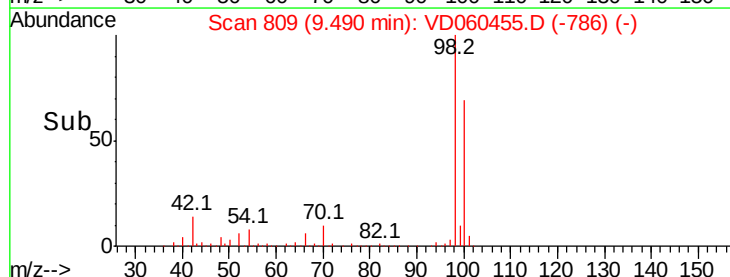
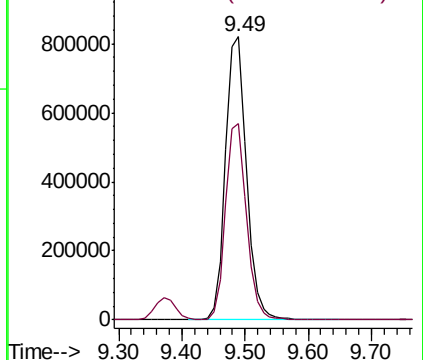
98 100

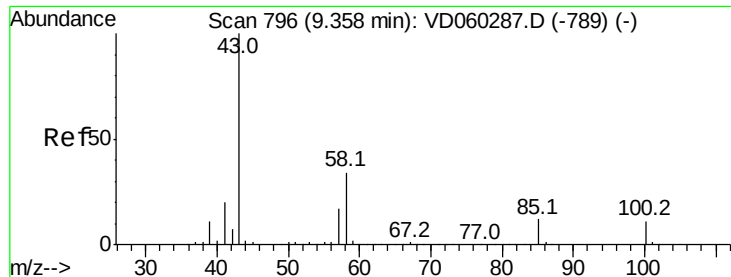
100 69.4 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 243.592 ug/l

RT: 9.37 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

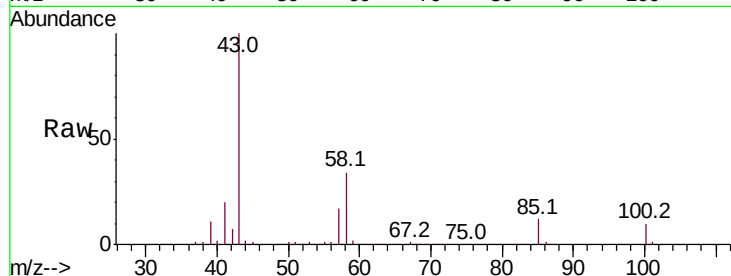
FDSB-05(25-27)MSD

Tot Ion: 43 Resp: 1500933

Ion Ratio Lower Upper

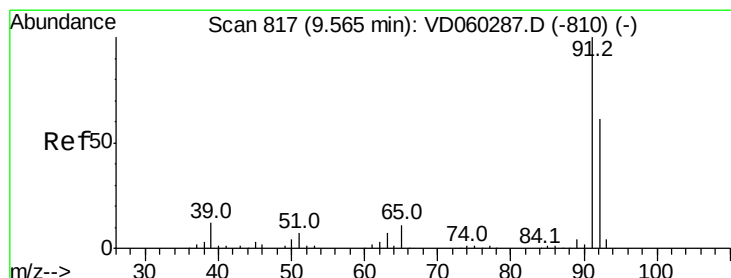
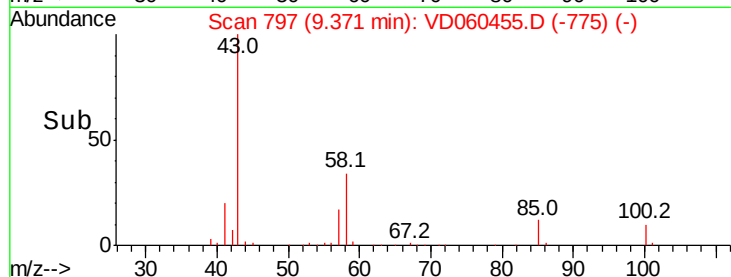
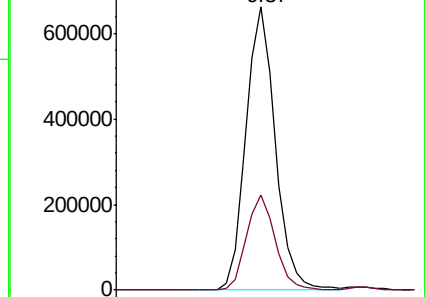
43 100

58 33.7 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.023 ug/l

RT: 9.58 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060455.D

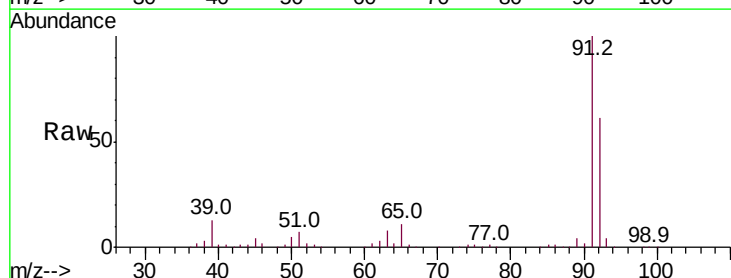
Acq: 26 Nov 2018 14:57

Tgt Ion: 92 Resp: 1335904

Ion Ratio Lower Upper

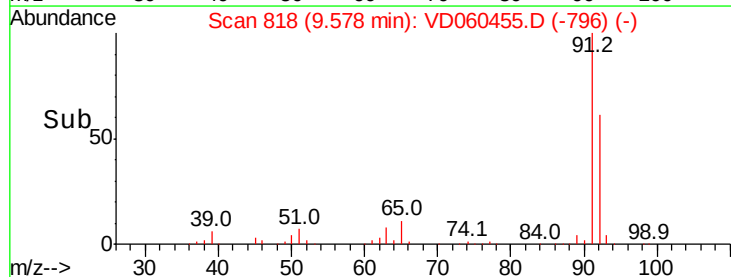
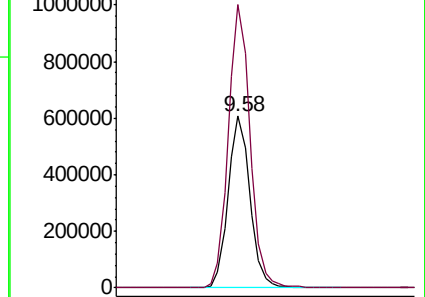
92 100

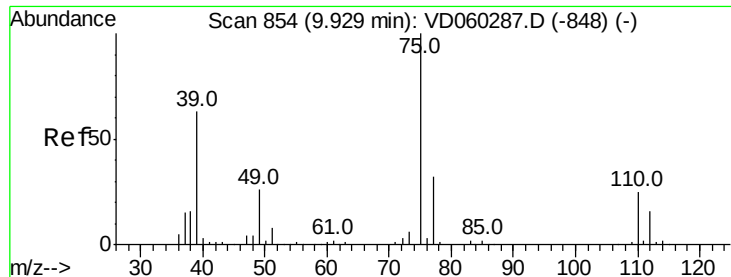
91 165.1 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

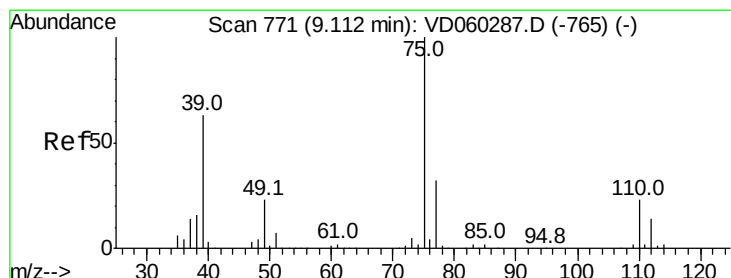
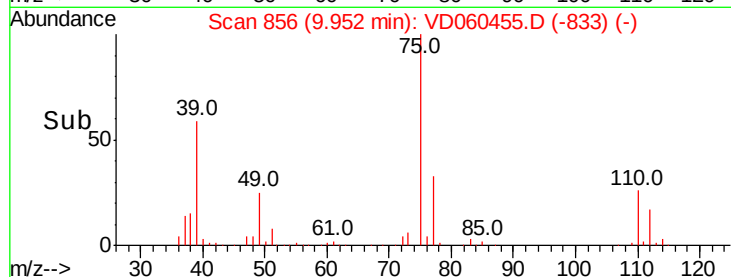
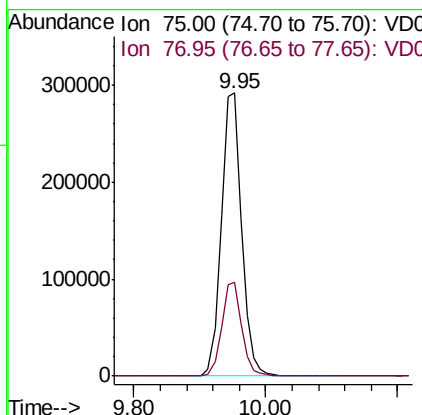
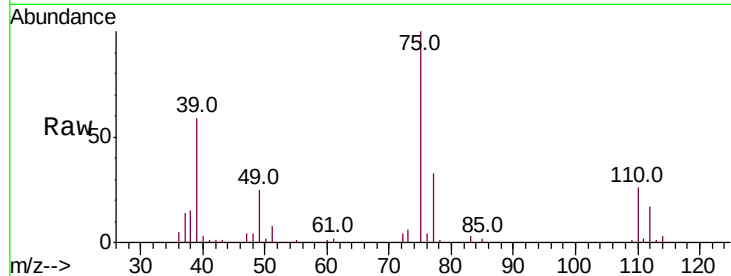




#53
 t-1,3-Dichloropropene
 Concen: 51.233 ug/l
 RT: 9.95 min Scan# 856
 Delta R.T. 0.02 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

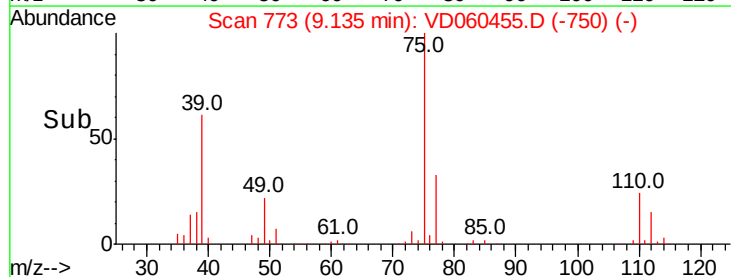
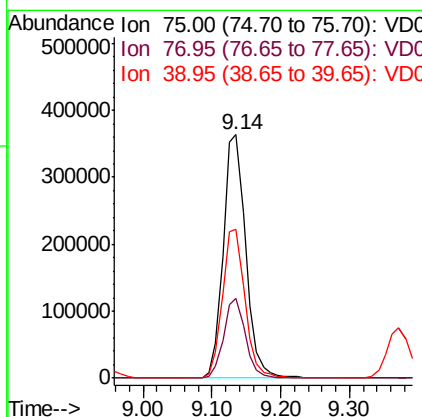
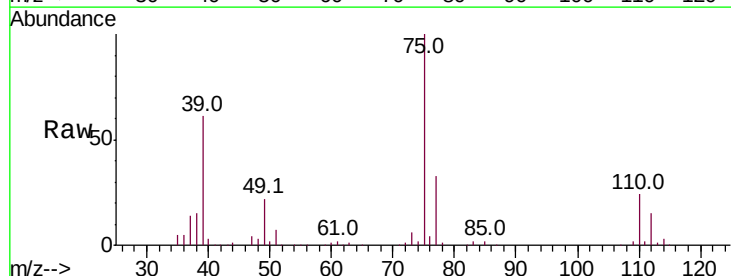
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

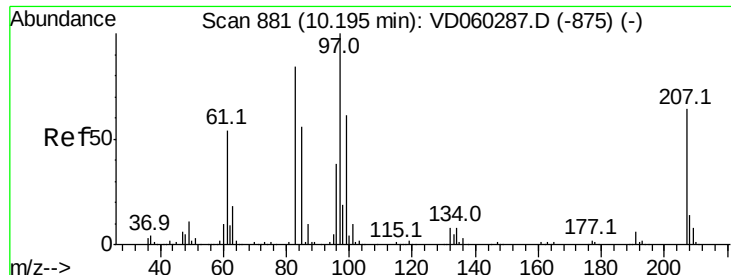
Tot Ion: 75 Resp: 629936
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 52.224 ug/l
 RT: 9.14 min Scan# 773
 Delta R.T. 0.02 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

Tgt Ion: 75 Resp: 823584
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.3 39.5
 39 60.9 50.8 76.2



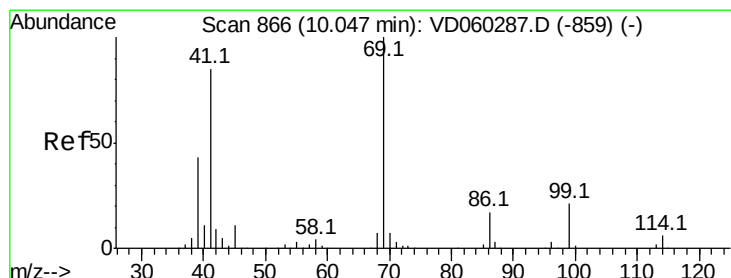
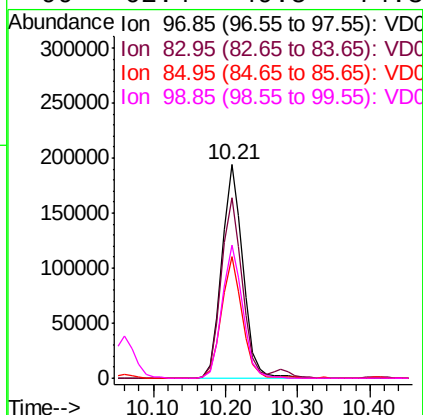
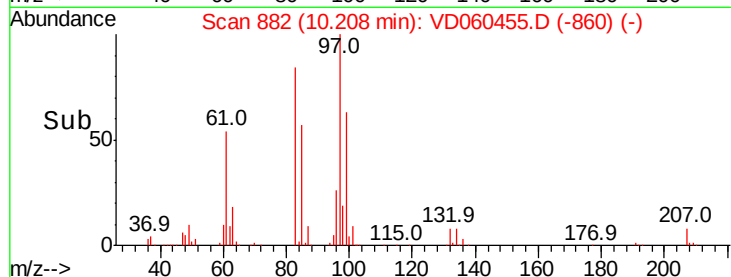
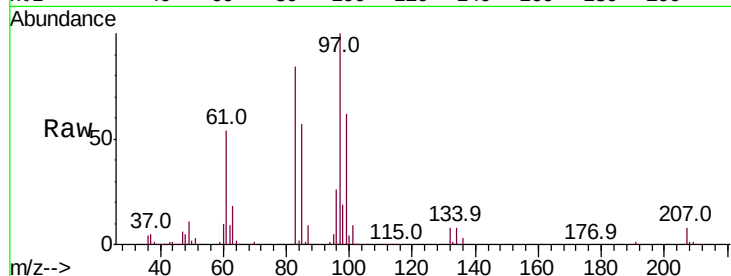


#55
 1,1,2-Trichloroethane
 Concen: 50.432 ug/l
 RT: 10.21 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

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

Tot Ion: 97 Resp: 390358

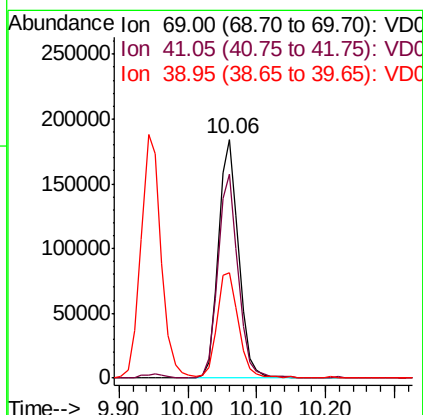
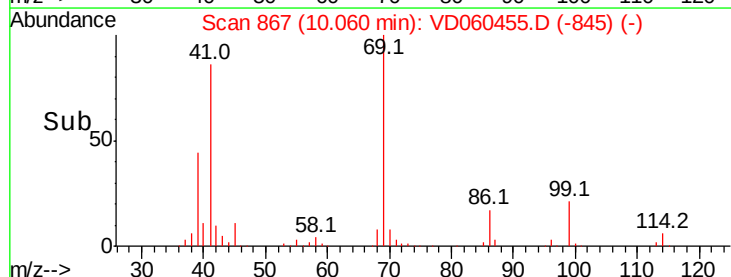
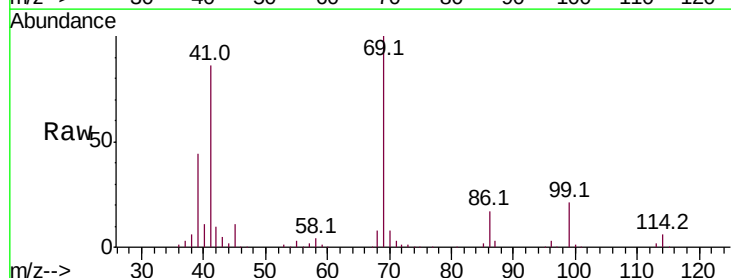
Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.4	102.6
85	56.8	46.8	70.2
99	62.4	49.5	74.3

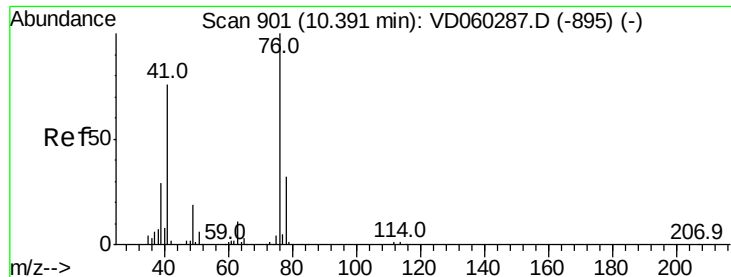


#56
 Ethyl methacrylate
 Concen: 52.455 ug/l
 RT: 10.06 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

Tgt Ion: 69 Resp: 373317

Ion	Ratio	Lower	Upper
69	100		
41	85.5	69.0	103.4
39	44.1	36.6	54.8

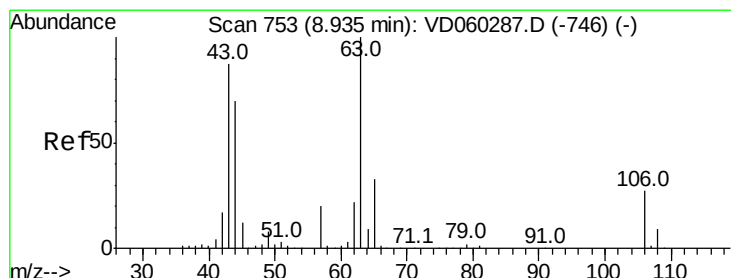
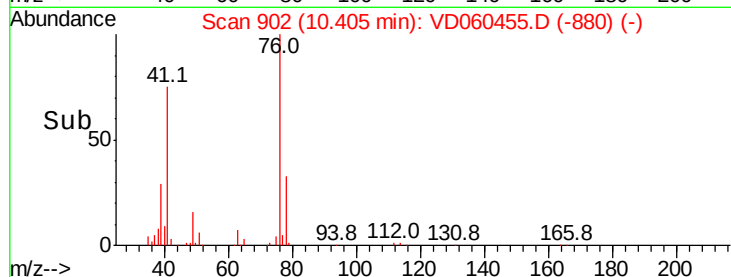
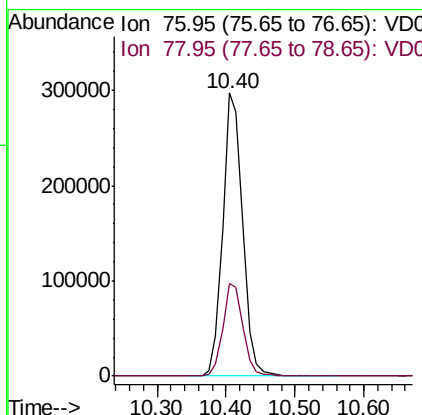
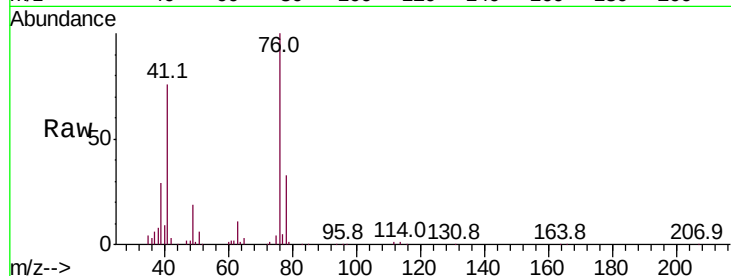




#57
 1,3-Dichloropropane
 Concen: 50.172 ug/l
 RT: 10.40 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

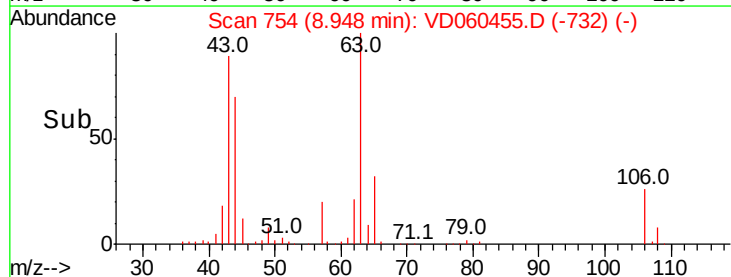
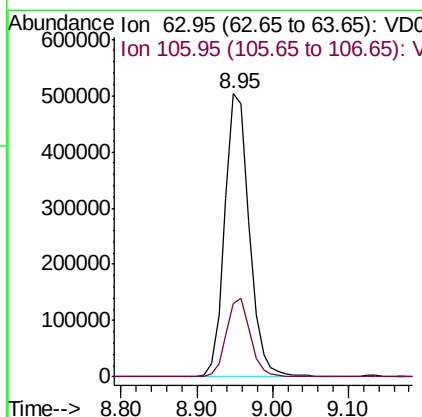
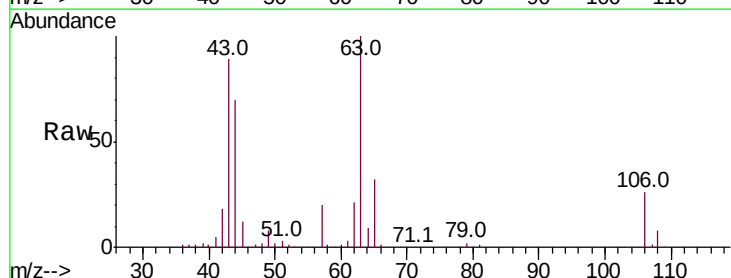
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

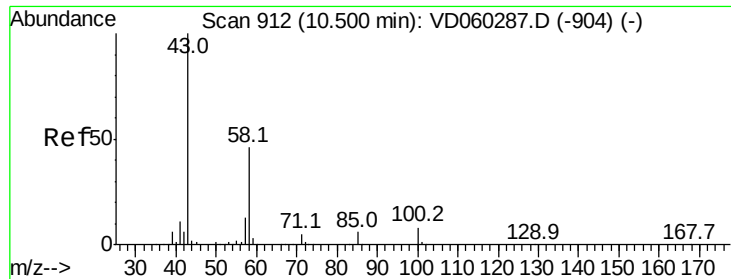
Tot Ion: 76 Resp: 591761
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.235 ug/l
 RT: 8.95 min Scan# 754
 Delta R.T. 0.01 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

Tgt Ion: 63 Resp: 1128451
 Ion Ratio Lower Upper
 63 100
 106 26.1 21.5 32.3

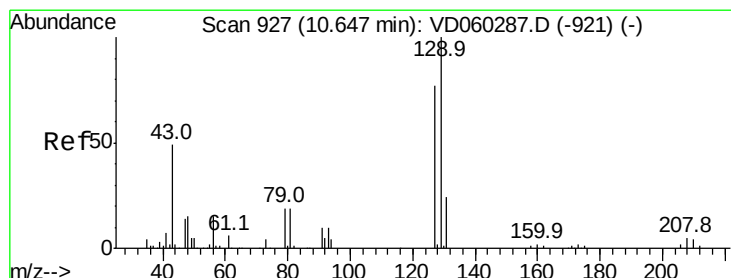
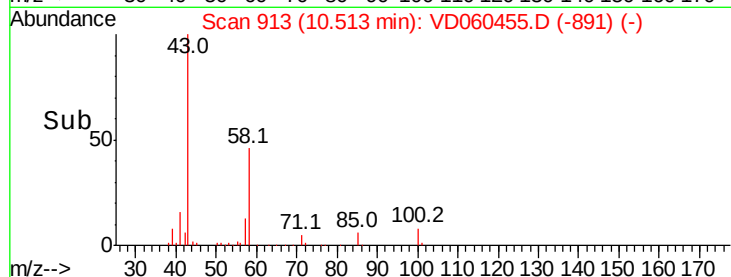
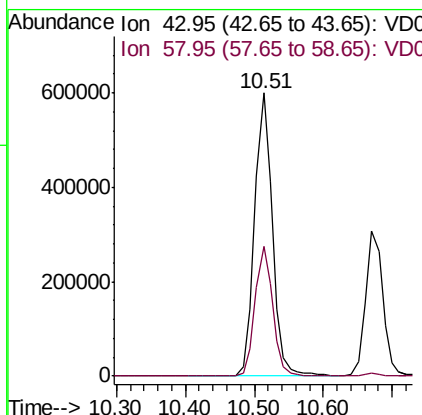
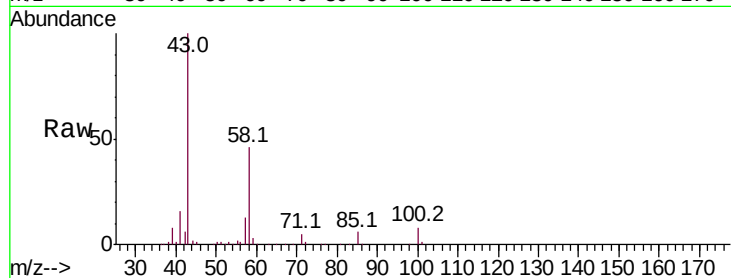




#59
2-Hexanone
Concen: 246.586 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

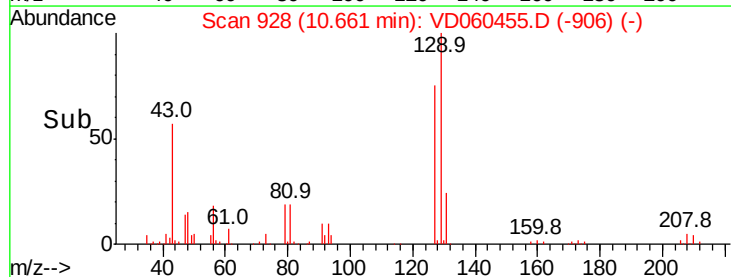
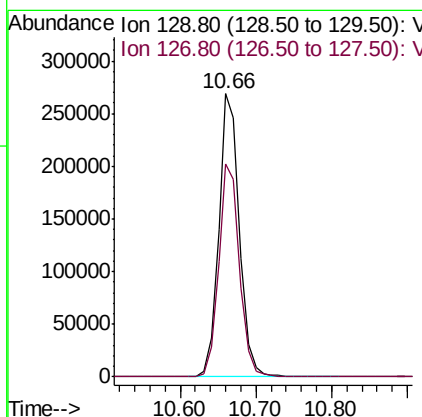
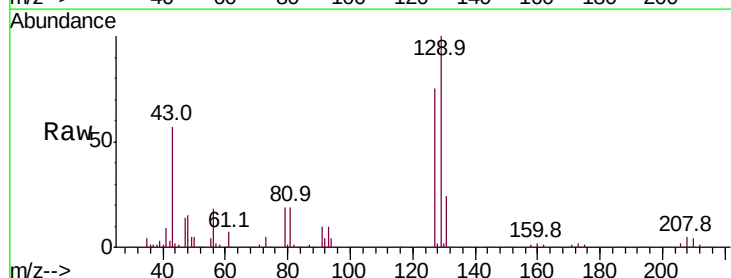
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MSD

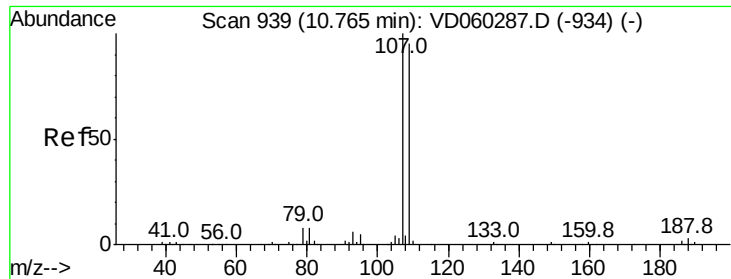
Tot Ion: 43 Resp: 1082921
Ion Ratio Lower Upper
43 100
58 45.6 22.9 68.5



#60
Dibromochloromethane
Concen: 53.847 ug/l
RT: 10.66 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

Tgt Ion: 129 Resp: 506650
Ion Ratio Lower Upper
129 100
127 75.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 52.159 ug/l

RT: 10.79 min Scan# 941

Delta R.T. 0.02 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

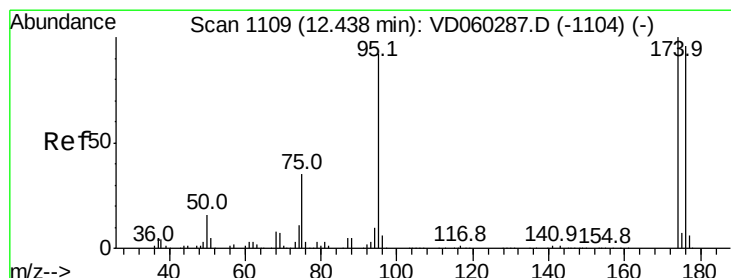
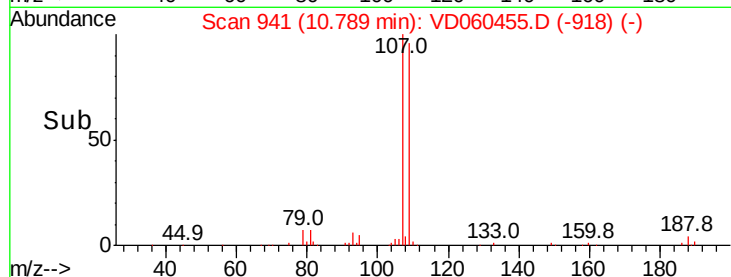
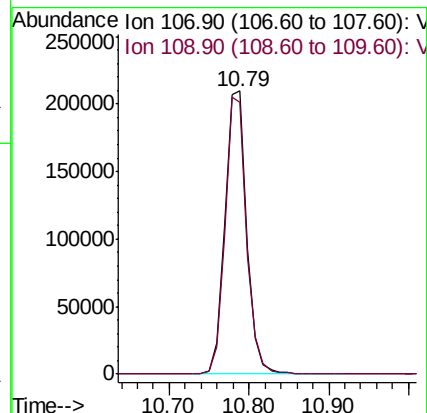
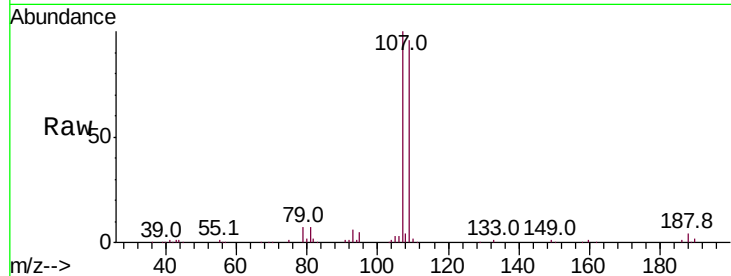
FDSB-05(25-27)MSD

Tot Ion:107 Resp: 404518

Ion Ratio Lower Upper

107 100

109 96.1 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 52.159 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

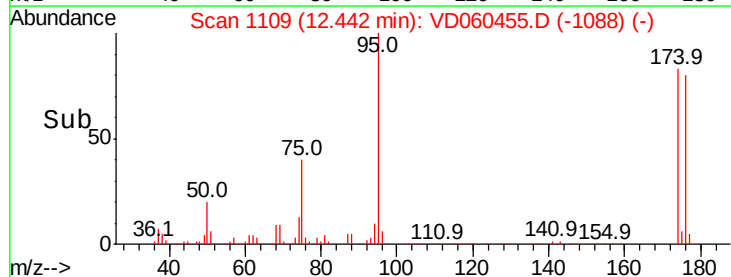
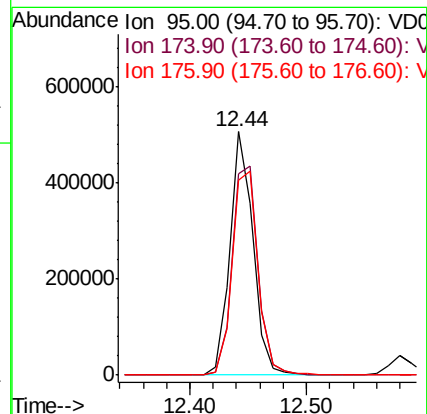
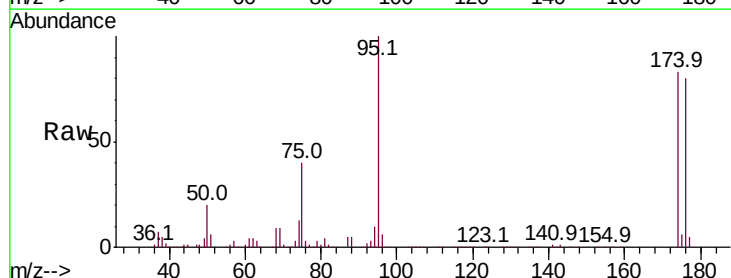
Tgt Ion: 95 Resp: 698321

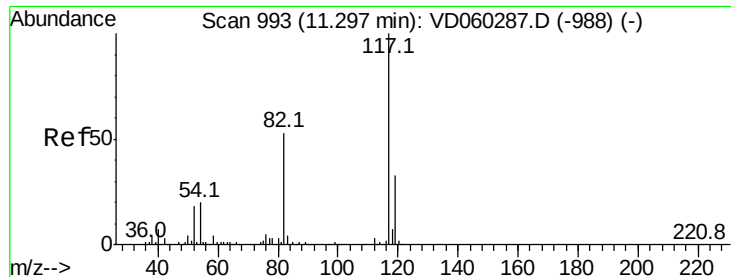
Ion Ratio Lower Upper

95 100

174 82.8 0.0 160.8

176 79.9 0.0 154.6

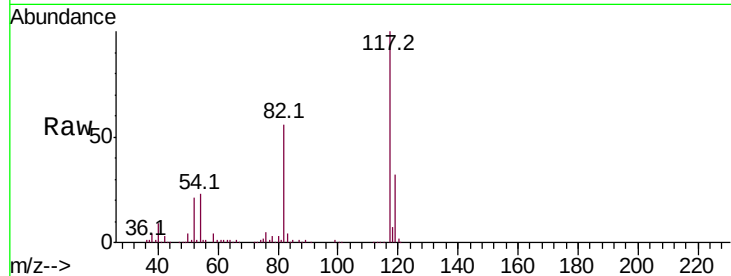




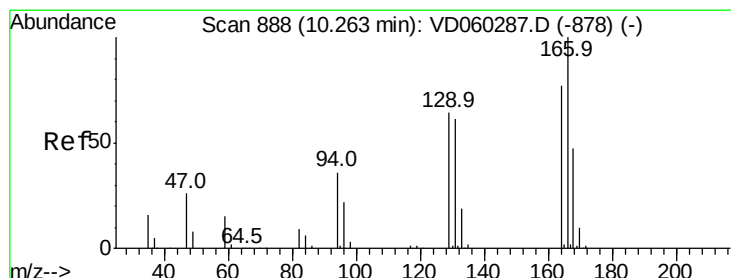
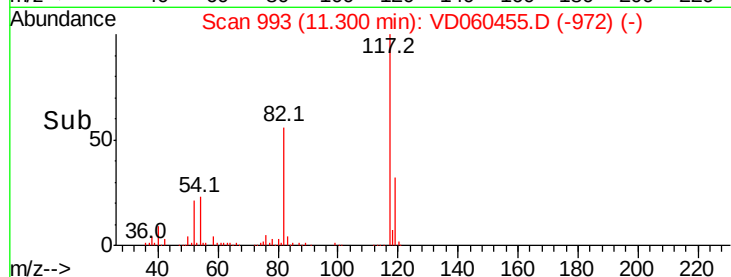
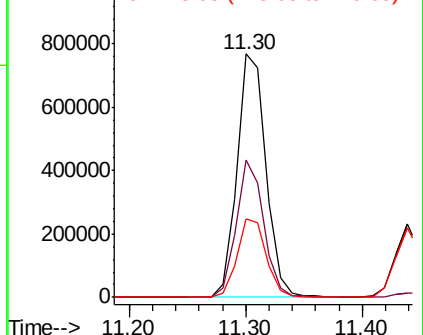
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

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

Tot Ion:117 Resp: 1319177
Ion Ratio Lower Upper
117 100
82 56.3 43.7 65.5
119 32.5 26.1 39.1

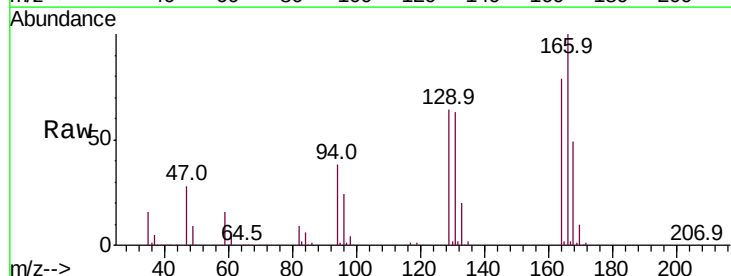


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

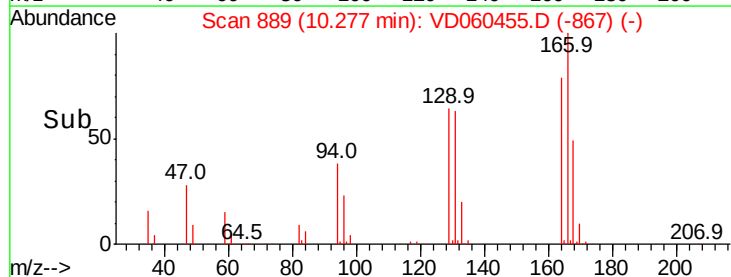
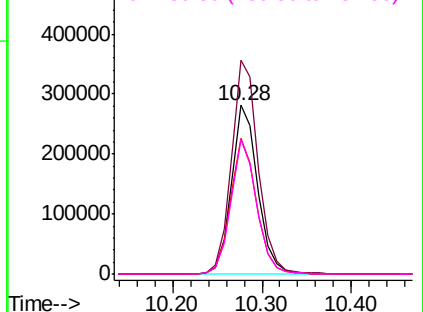


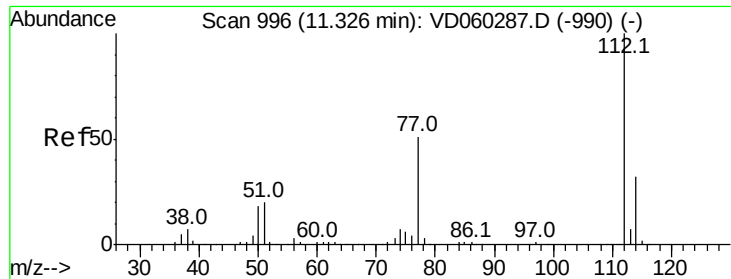
#64
Tetrachloroethene
Concen: 49.224 ug/l
RT: 10.28 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

Tgt Ion:164 Resp: 579701
Ion Ratio Lower Upper
164 100
166 126.8 103.7 155.5
129 80.6 65.6 98.4
131 79.6 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: 51.247 ug/l

RT: 11.34 min Scan# 997

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

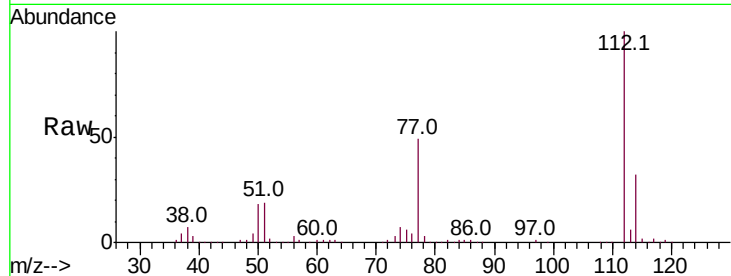
FDSB-05(25-27)MSD

Tot Ion:112 Resp: 1464780

Ion Ratio Lower Upper

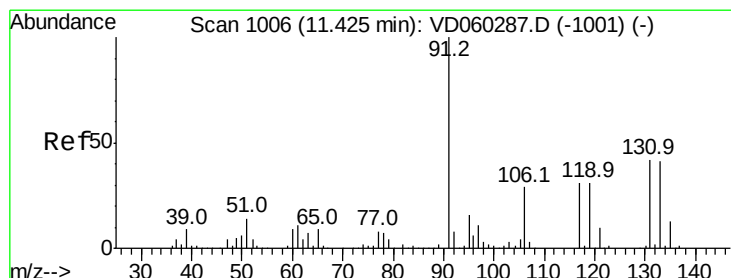
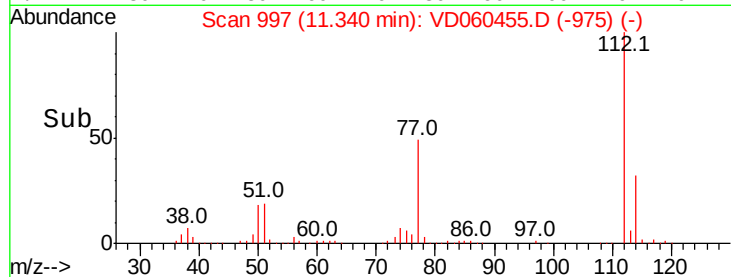
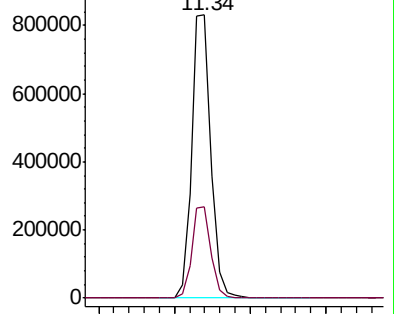
112 100

114 32.1 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: 51.934 ug/l

RT: 11.44 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

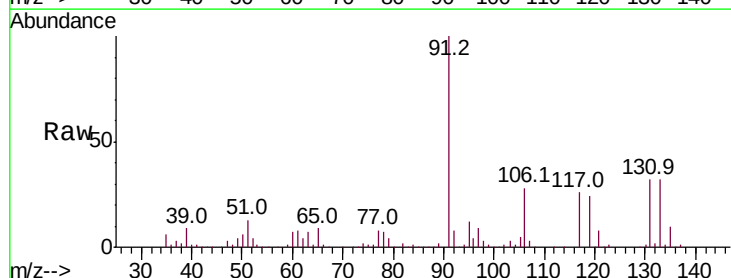
Tgt Ion:131 Resp: 485689

Ion Ratio Lower Upper

131 100

133 99.1 50.0 150.0

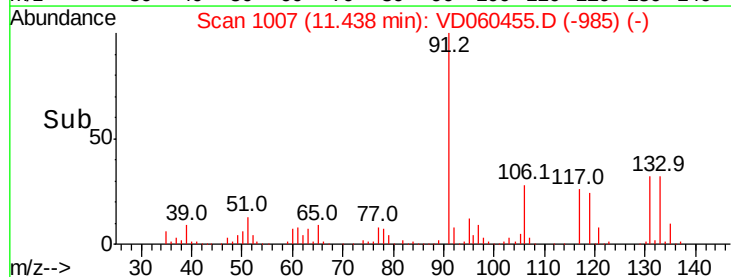
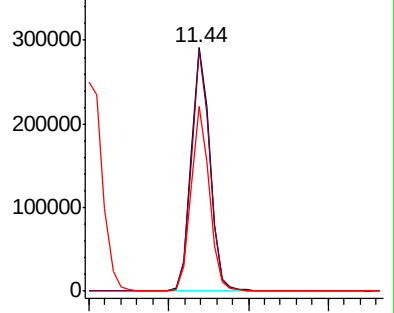
119 75.7 37.0 111.1

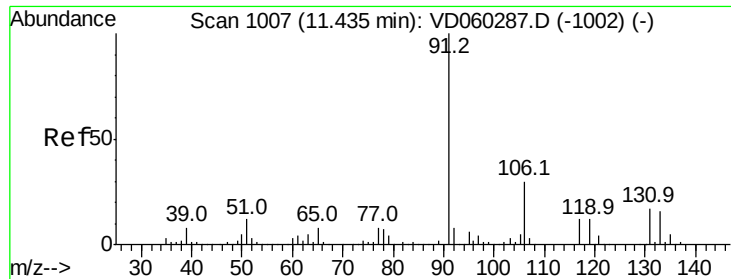


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 50.563 ug/l

RT: 11.45 min Scan# 1008

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

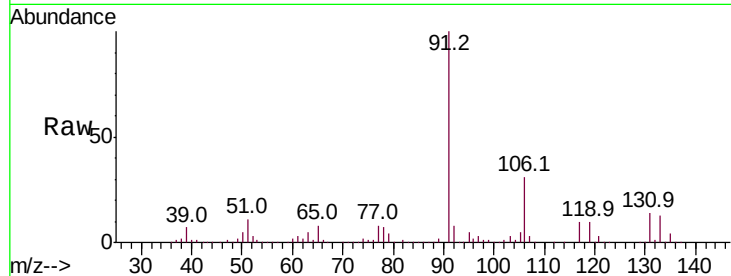
FDSB-05(25-27)MSD

Tot Ion: 91 Resp: 2472310

Ion Ratio Lower Upper

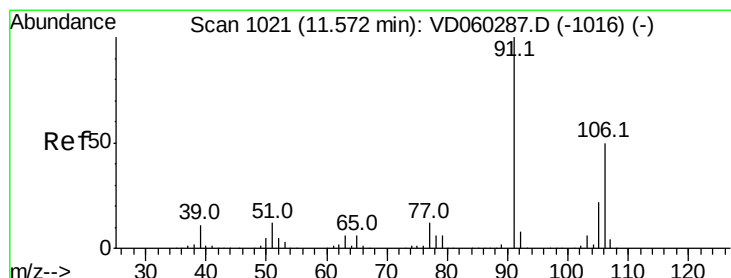
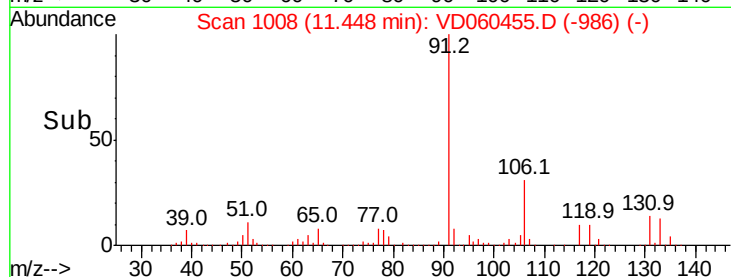
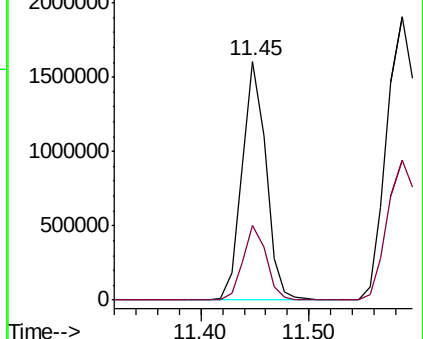
91 100

106 31.3 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 101.664 ug/l

RT: 11.59 min Scan# 1022

Delta R.T. 0.01 min

Lab File: VD060455.D

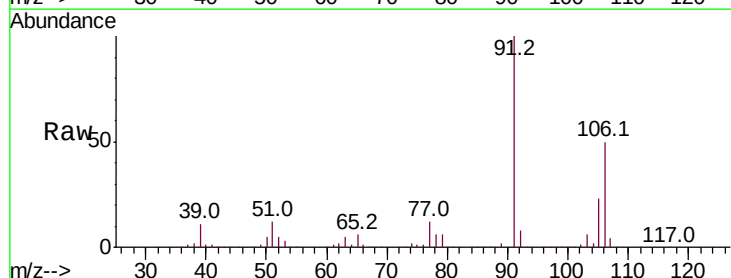
Acq: 26 Nov 2018 14:57

Tgt Ion:106 Resp: 1833676

Ion Ratio Lower Upper

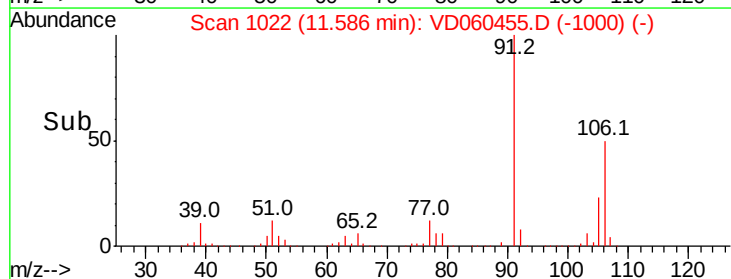
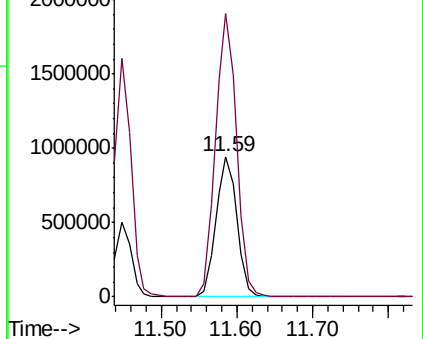
106 100

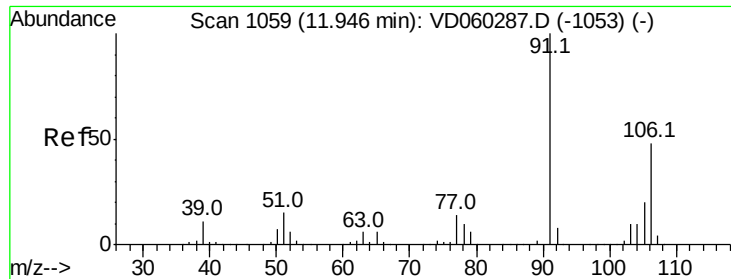
91 201.7 159.4 239.2



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

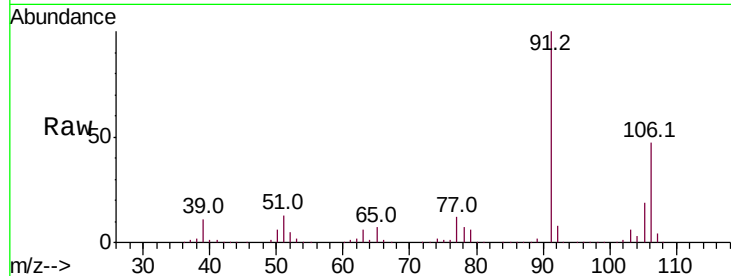




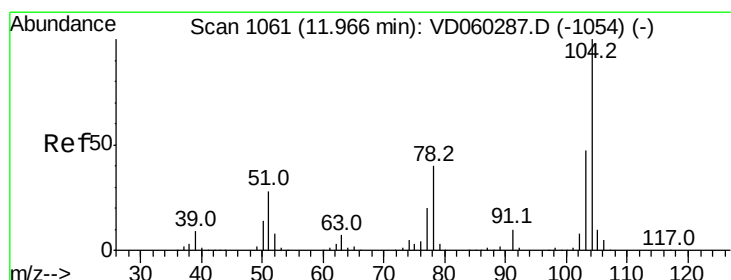
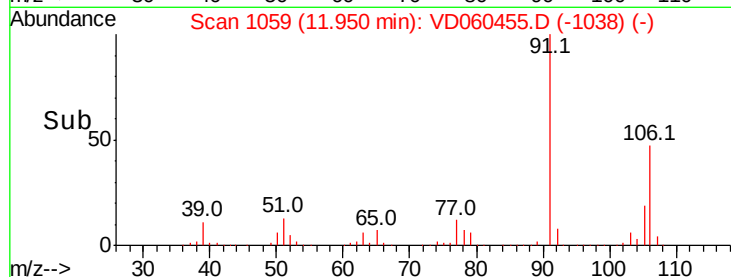
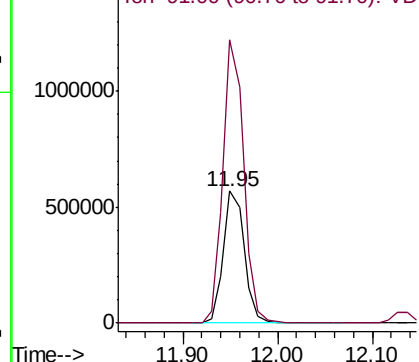
#69
o-Xylene
Concen: 50.652 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

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

Tot Ion:106 Resp: 882607
Ion Ratio Lower Upper
106 100
91 214.4 109.2 327.6

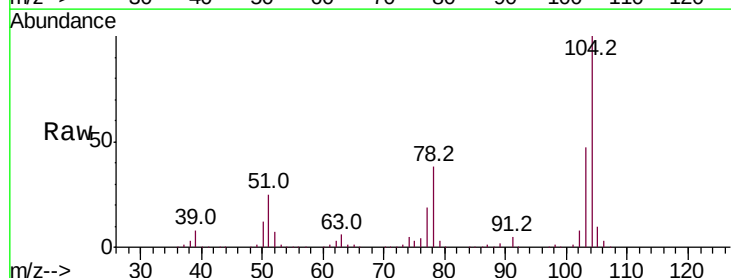


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

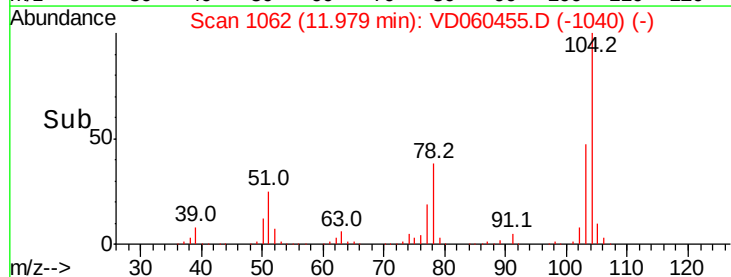
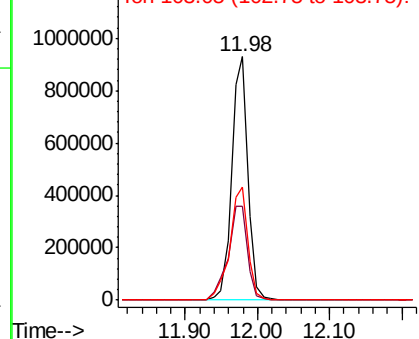


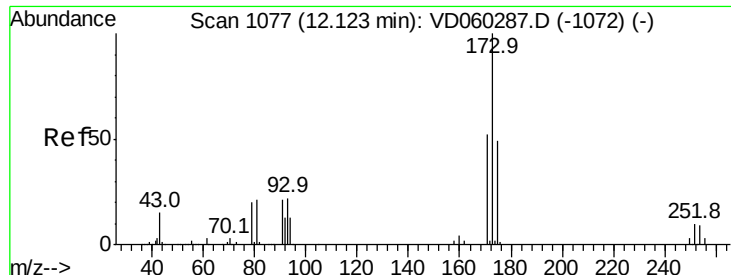
#70
Styrene
Concen: 51.028 ug/l
RT: 11.98 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

Tgt Ion:104 Resp: 1436979
Ion Ratio Lower Upper
104 100
78 38.4 31.6 47.4
103 46.5 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: 53.237 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

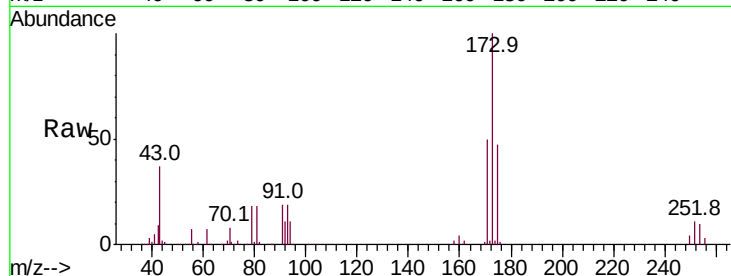
Tot Ion:173 Resp: 334558

Ion Ratio Lower Upper

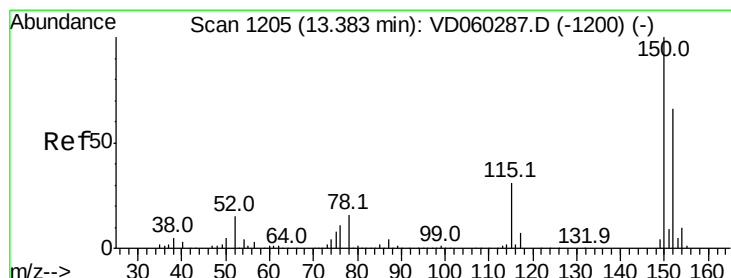
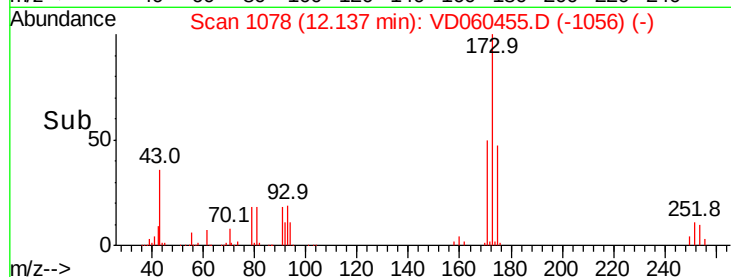
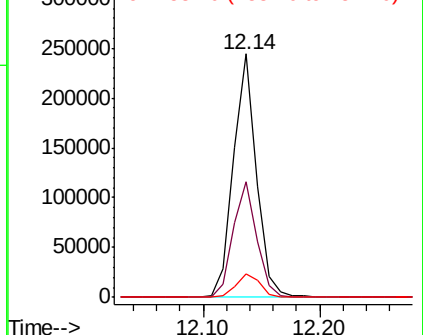
173 100

175 47.4 24.3 73.0

254 9.6 8.3 12.5



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.39 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

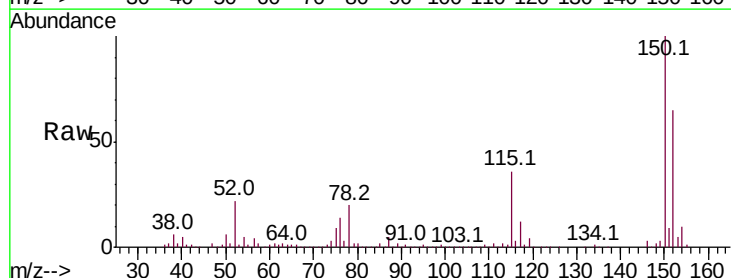
Tgt Ion:152 Resp: 668669

Ion Ratio Lower Upper

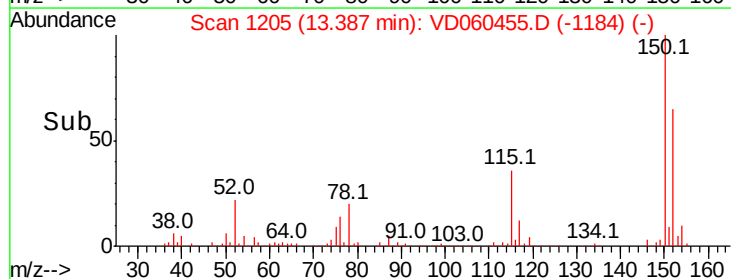
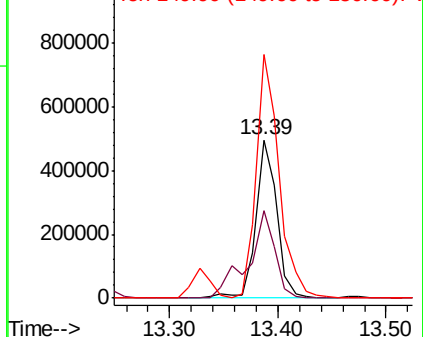
152 100

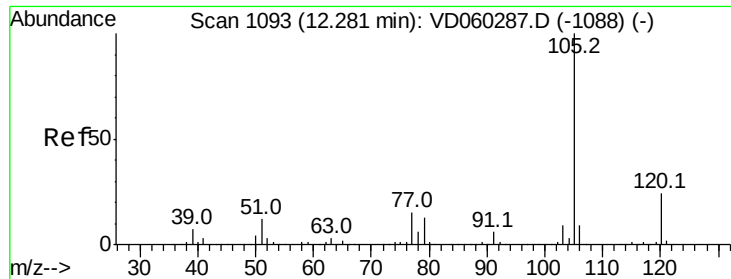
115 55.2 24.1 72.3

150 153.8 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





#73

Isopropylbenzene

Concen: 48.953 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

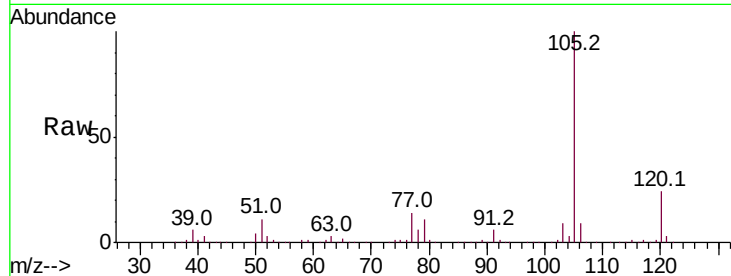
FDSB-05(25-27)MSD

Tot Ion:105 Resp: 2384848

Ion Ratio Lower Upper

105 100

120 24.3 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.29

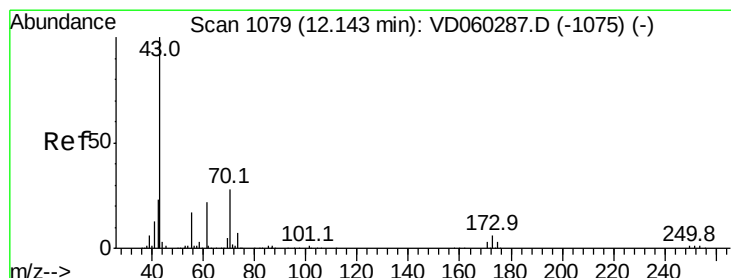
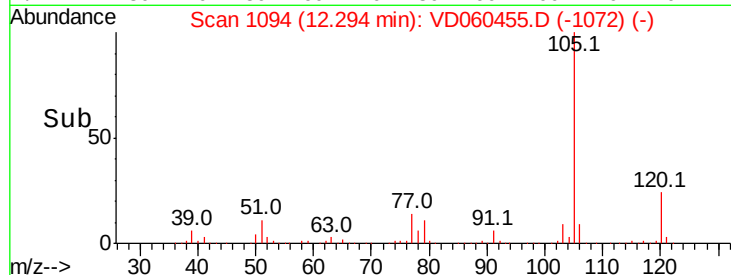
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 50.192 ug/l

RT: 12.15 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Tgt Ion: 43 Resp: 626901

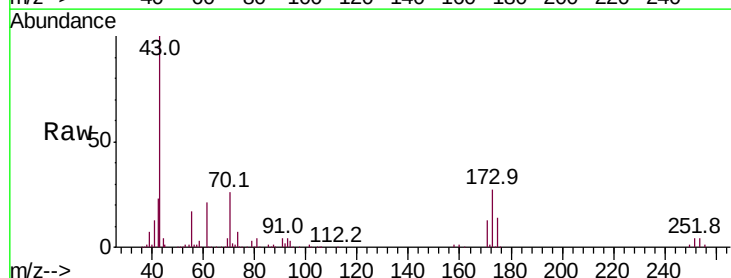
Ion Ratio Lower Upper

43 100

70 26.2 23.0 34.4

55 17.5 14.2 21.4

61 20.7 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

12.15

600000

500000

400000

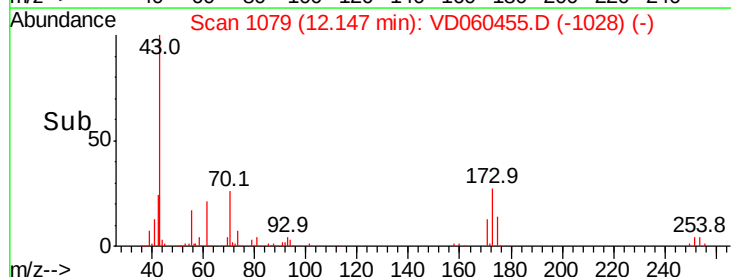
300000

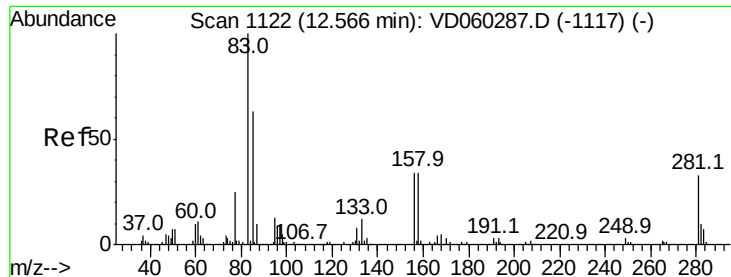
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.439 ug/l

RT: 12.58 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

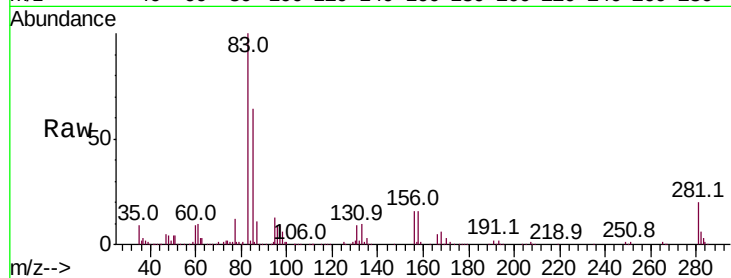
Tot Ion: 83 Resp: 409838

Ion Ratio Lower Upper

83 100

131 8.6 3.9 11.5

85 63.5 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

12.58

300000

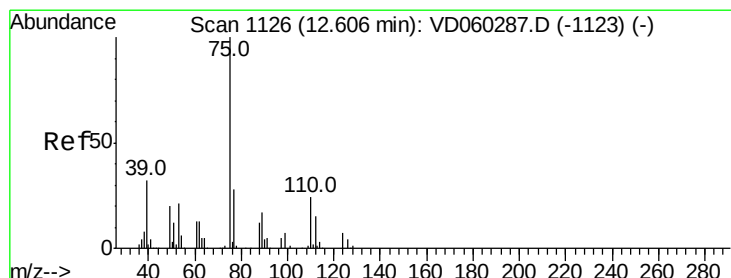
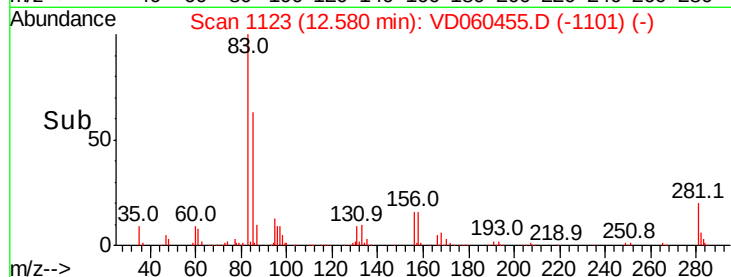
200000

100000

0

Time-->

12.50 12.60 12.70



#76

1,2,3-Trichloropropane

Concen: 50.301 ug/l

RT: 12.62 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060455.D

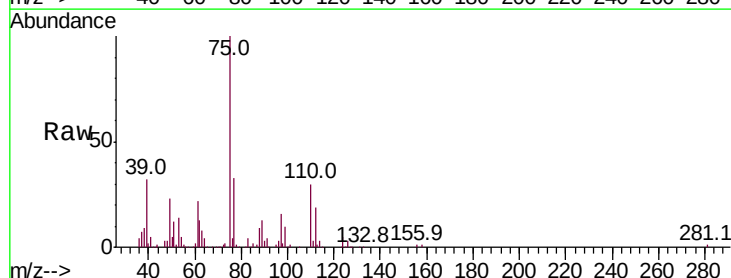
Acq: 26 Nov 2018 14:57

Tgt Ion: 75 Resp: 402350

Ion Ratio Lower Upper

75 100

77 33.0 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

600000

500000

400000

300000

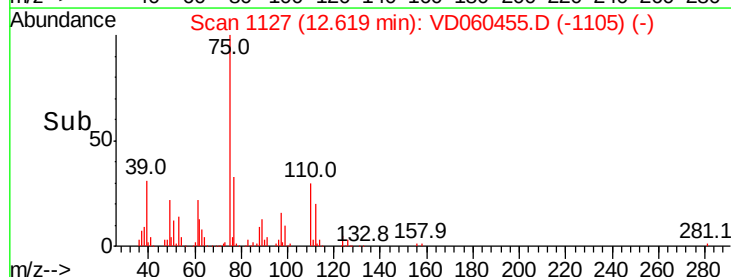
200000

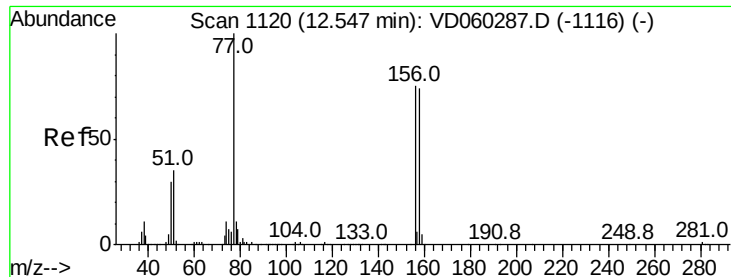
100000

0

Time-->

12.60 12.70





#77

Bromobenzene

Concen: 49.917 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

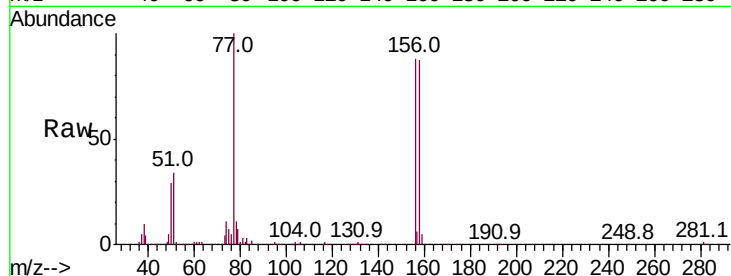
Tot Ion:156 Resp: 645961

Ion Ratio Lower Upper

156 100

77 114.0 61.2 183.6

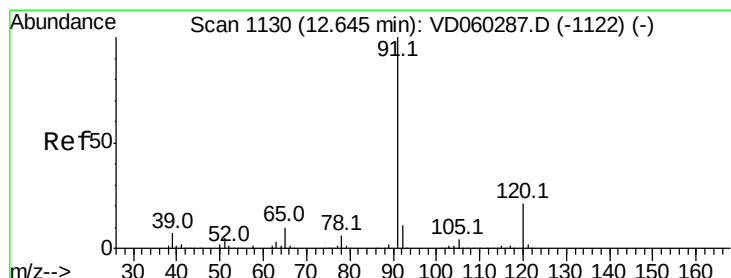
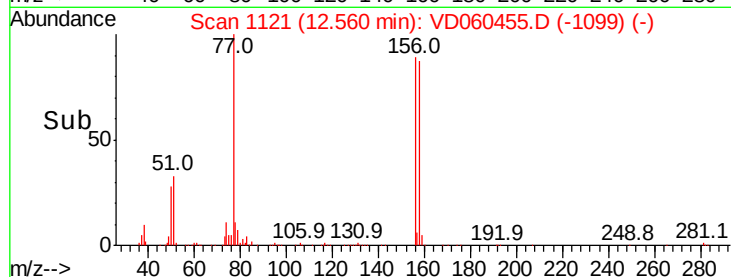
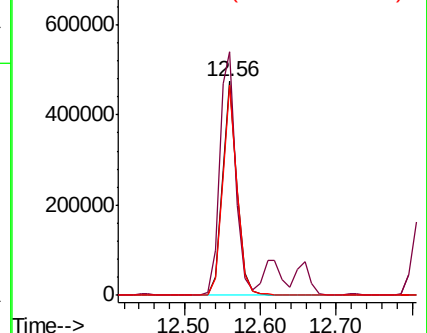
158 98.7 49.2 147.6



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: 47.957 ug/l

RT: 12.66 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VD060455.D

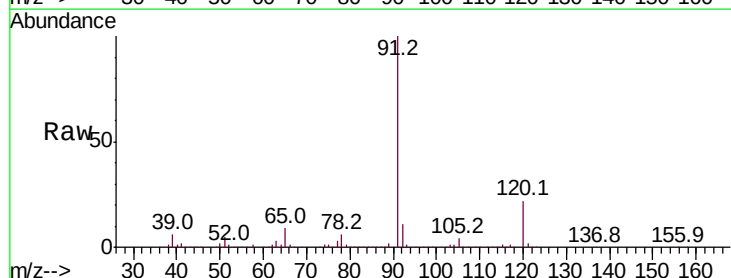
Acq: 26 Nov 2018 14:57

Tgt Ion: 91 Resp: 2916192

Ion Ratio Lower Upper

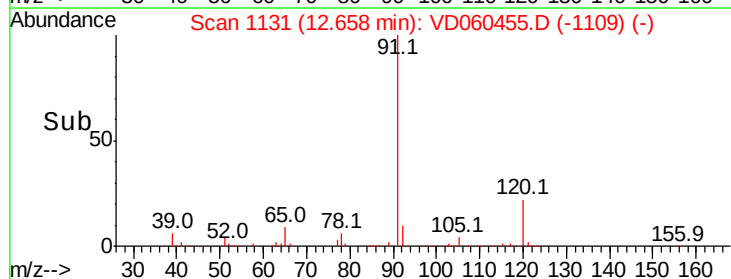
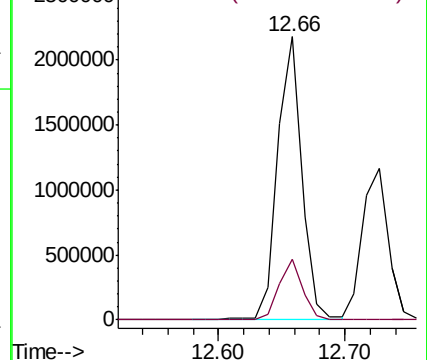
91 100

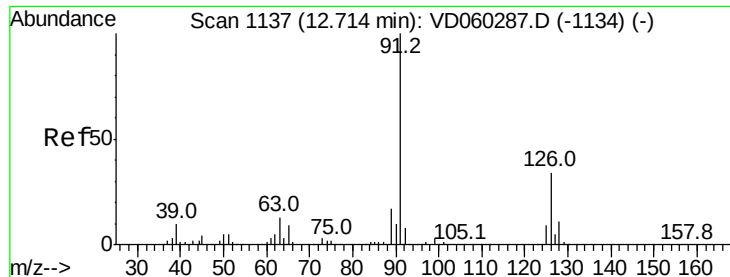
120 21.5 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

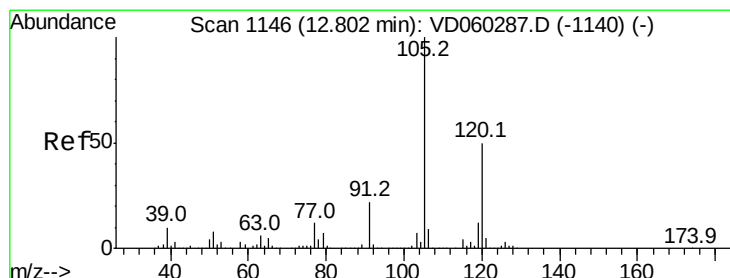
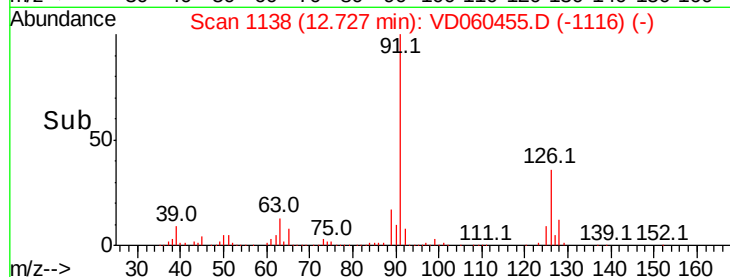
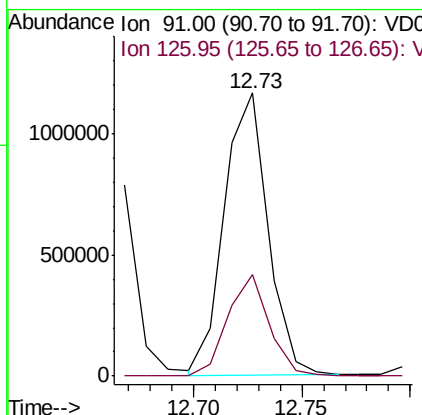
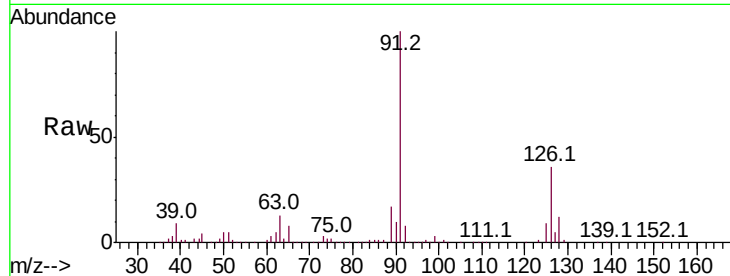




#79
2-Chlorotoluene
Concen: 49.158 ug/l
RT: 12.73 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

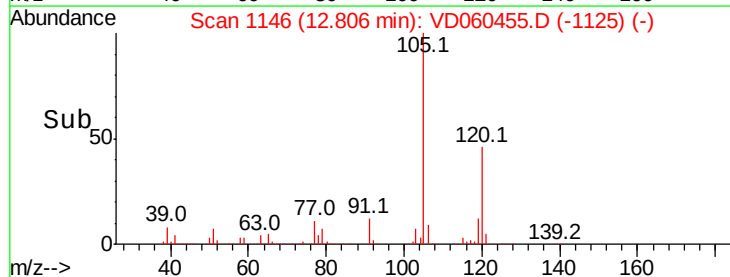
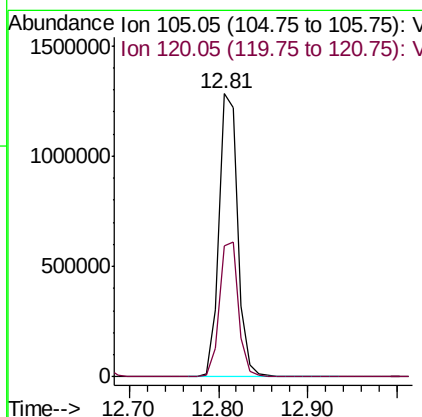
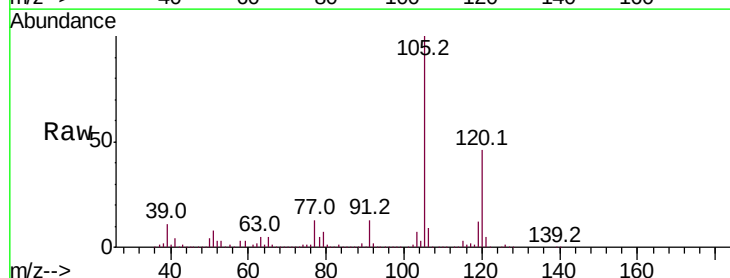
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MSD

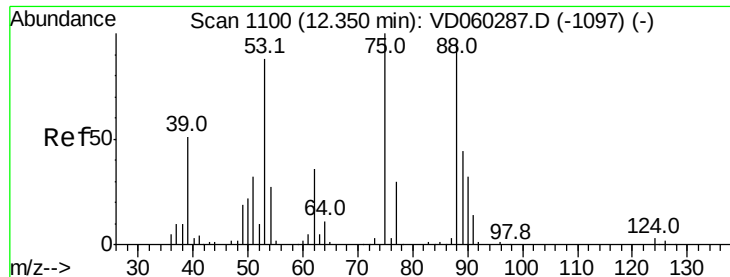
Tot Ion: 91 Resp: 1637171
Ion Ratio Lower Upper
91 100
126 35.9 17.4 52.2



#80
1,3,5-Trimethylbenzene
Concen: 50.155 ug/l
RT: 12.81 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060455.D
Acq: 26 Nov 2018 14:57

Tgt Ion:105 Resp: 1898924
Ion Ratio Lower Upper
105 100
120 46.3 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.502 ug/l

RT: 12.36 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

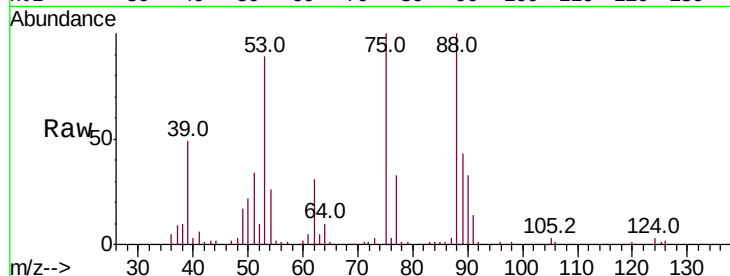
Tot Ion: 75 Resp: 117283

Ion Ratio Lower Upper

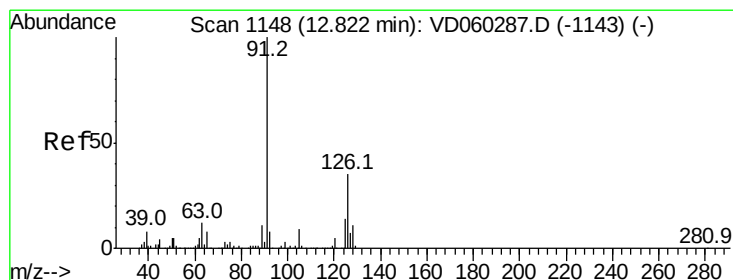
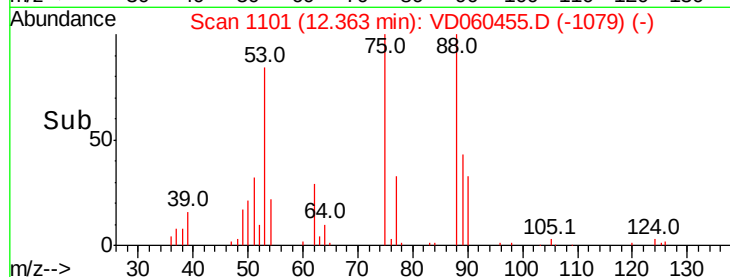
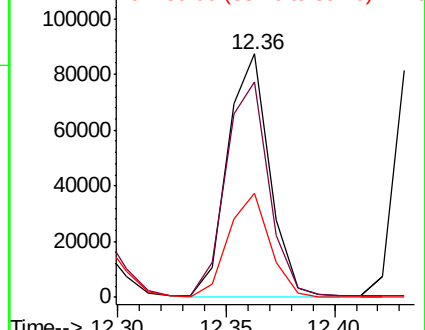
75 100

53 88.5 68.6 103.0

89 42.8 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 50.075 ug/l

RT: 12.83 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VD060455.D

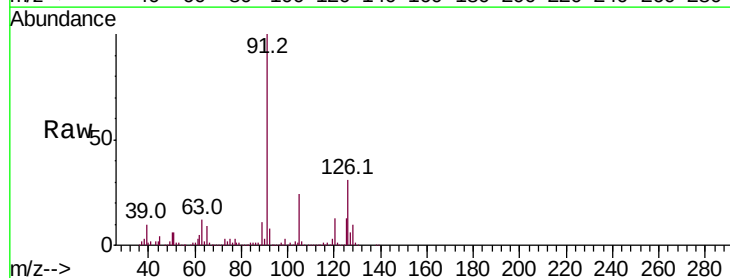
Acq: 26 Nov 2018 14:57

Tgt Ion: 91 Resp: 1873389

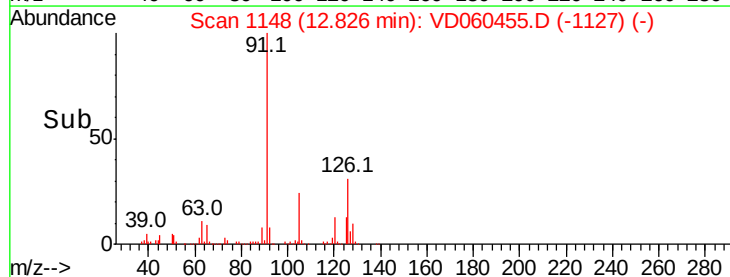
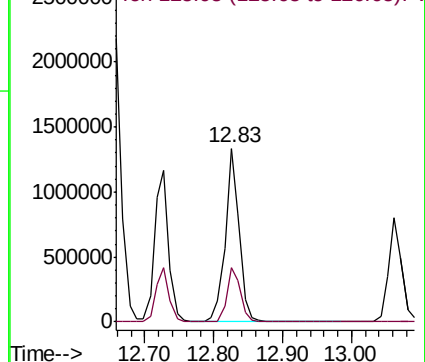
Ion Ratio Lower Upper

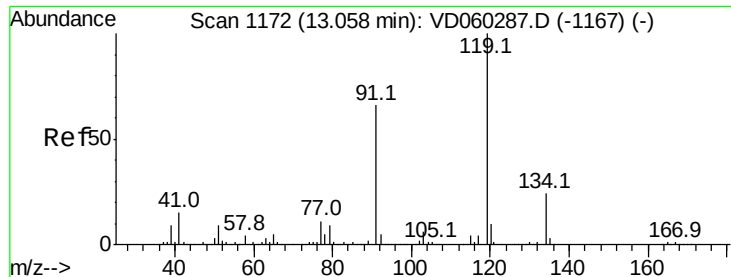
91 100

126 31.3 14.8 44.4



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

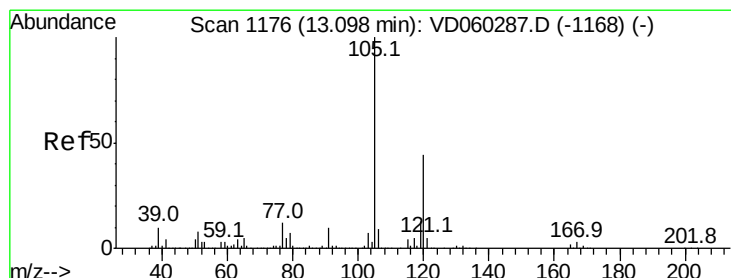
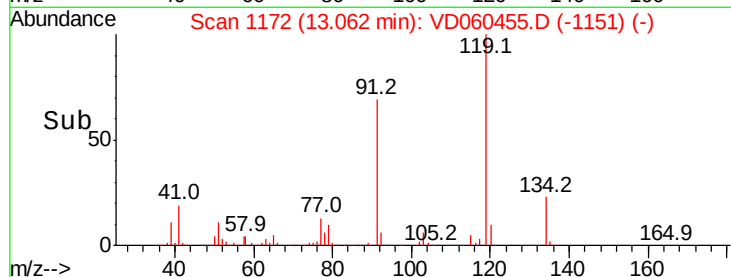
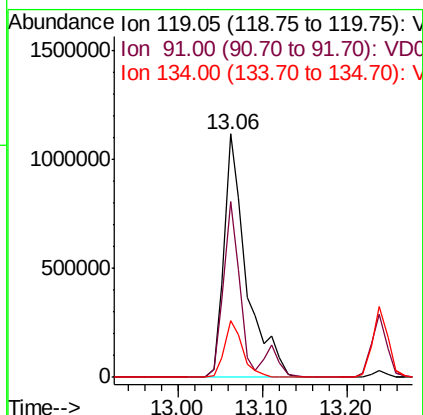
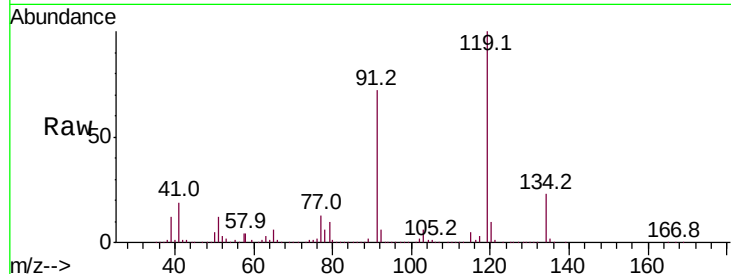




#83
 tert-Butylbenzene
 Concen: 49.305 ug/l
 RT: 13.06 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

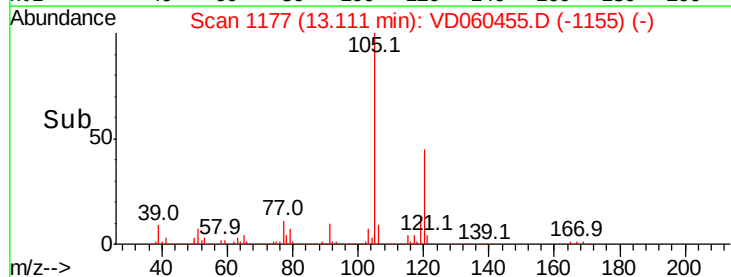
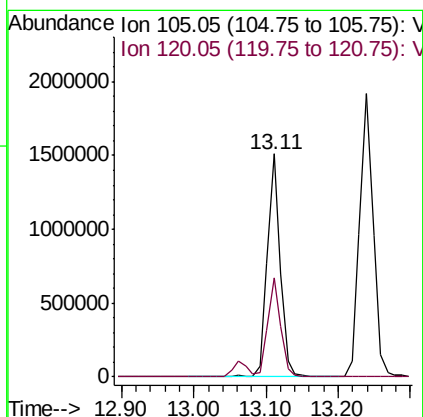
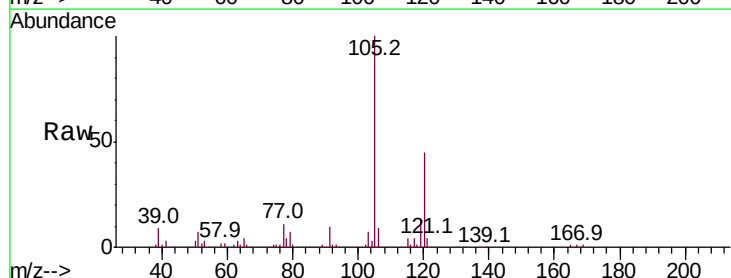
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

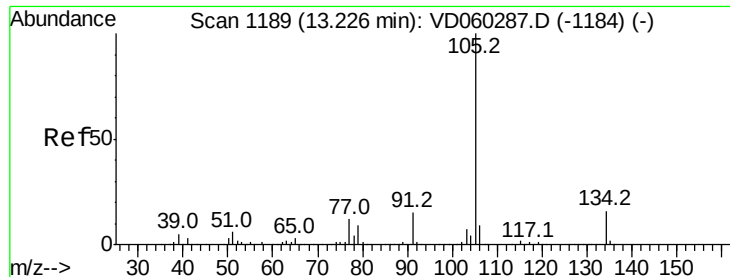
Tot Ion:119 Resp: 2072494
 Ion Ratio Lower Upper
 119 100
 91 72.0 32.7 98.1
 134 23.2 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 50.199 ug/l
 RT: 13.11 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

Tgt Ion:105 Resp: 1898128
 Ion Ratio Lower Upper
 105 100
 120 44.7 21.9 65.8

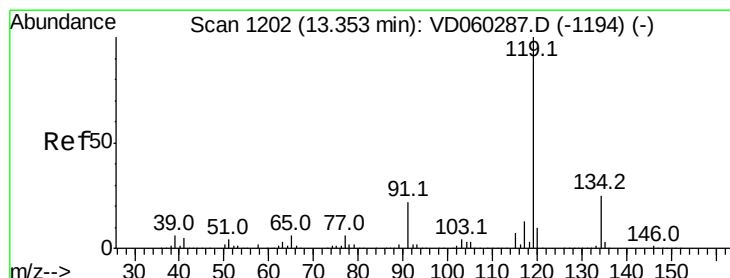
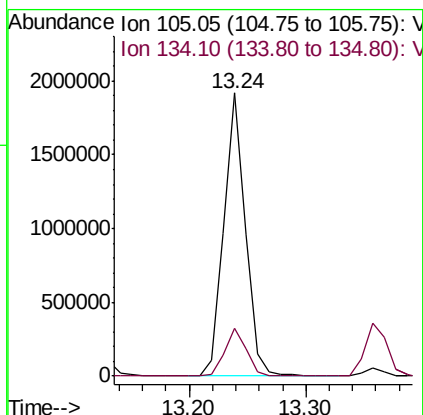
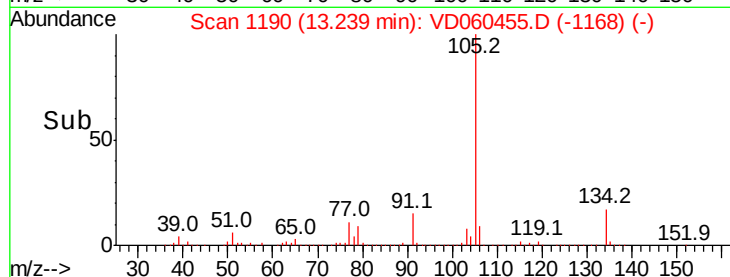
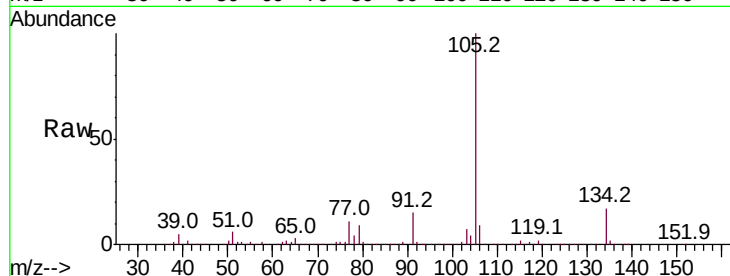




#85
 sec-Butylbenzene
 Concen: 47.521 ug/l
 RT: 13.24 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

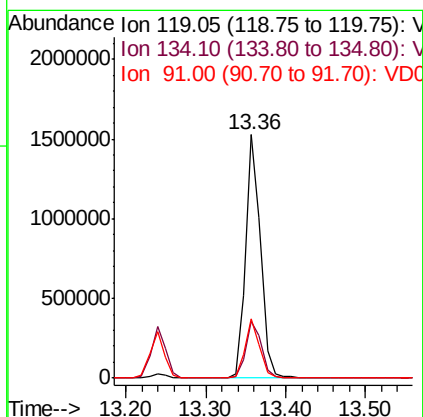
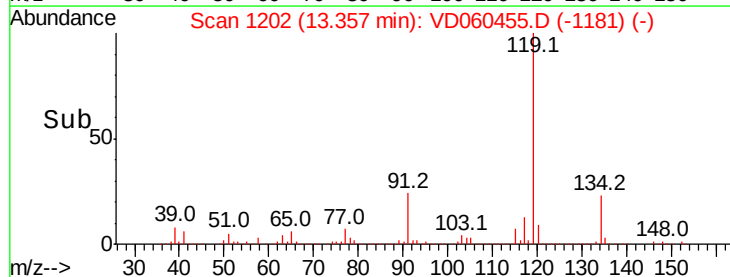
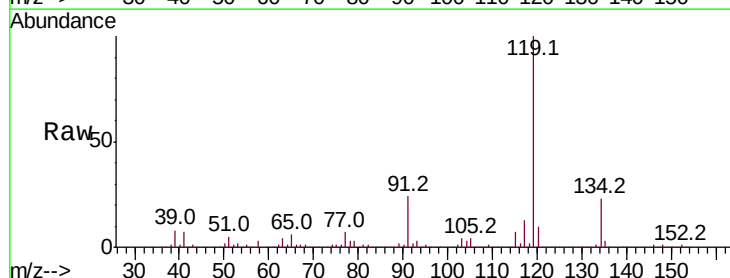
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

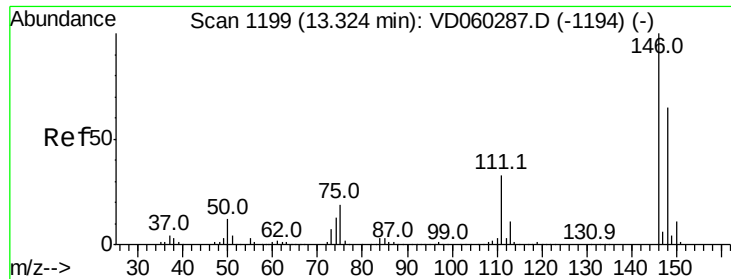
Tot Ion:105 Resp: 2450672
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 47.144 ug/l
 RT: 13.36 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

Tgt Ion:119 Resp: 1957882
 Ion Ratio Lower Upper
 119 100
 134 23.5 12.9 38.6
 91 24.5 11.3 33.8

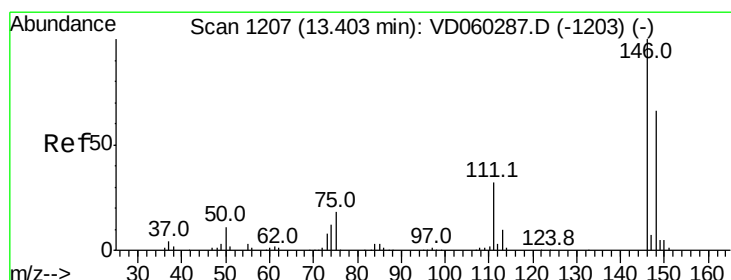
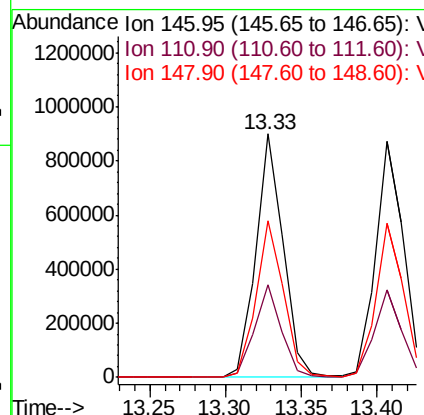
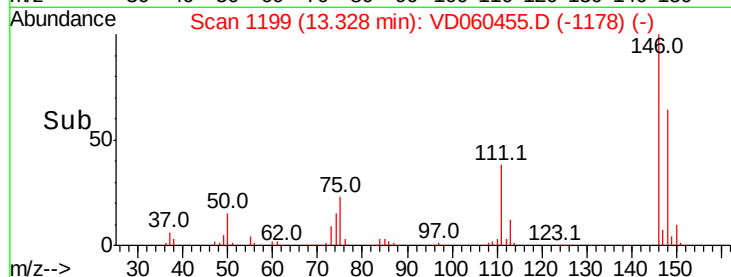
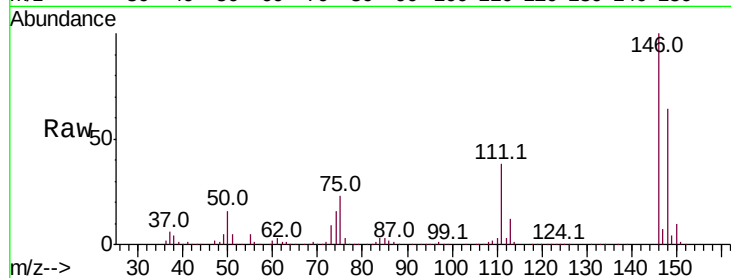




#87
 1,3-Dichlorobenzene
 Concen: 49.255 ug/l
 RT: 13.33 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

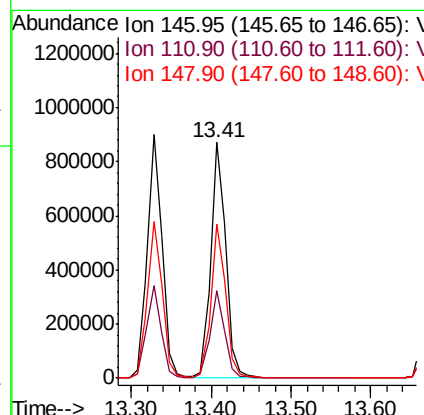
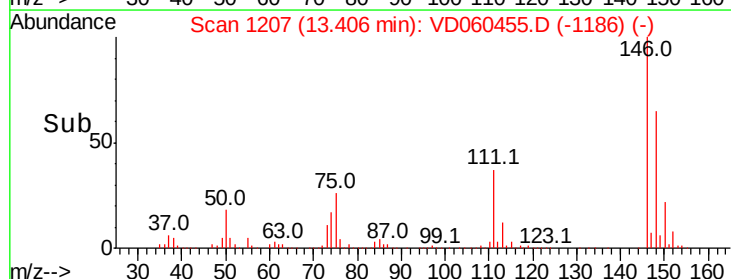
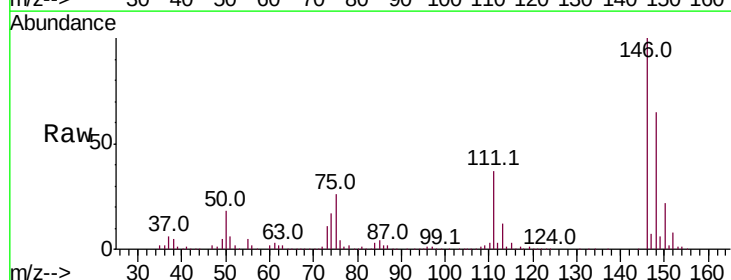
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

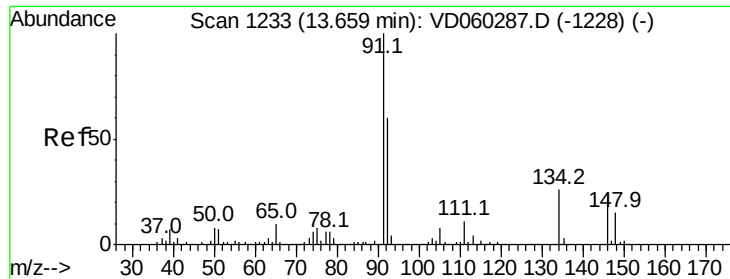
Tot Ion:146 Resp: 1134008
 Ion Ratio Lower Upper
 146 100
 111 37.9 20.2 60.5
 148 64.3 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 51.000 ug/l
 RT: 13.41 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

Tgt Ion:146 Resp: 1146751
 Ion Ratio Lower Upper
 146 100
 111 37.1 16.0 47.9
 148 65.1 32.9 98.7





#89

n-Butylbenzene

Concen: 48.270 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

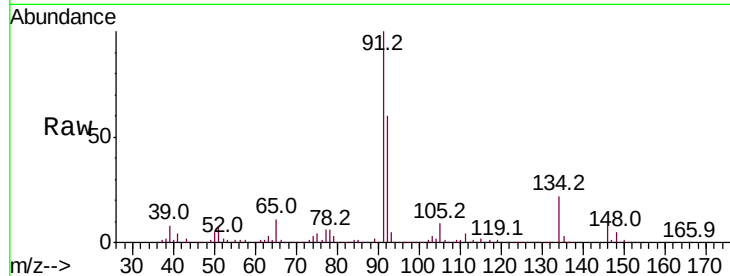
Tot Ion: 91 Resp: 1963174

Ion Ratio Lower Upper

91 100

92 60.1 30.3 90.9

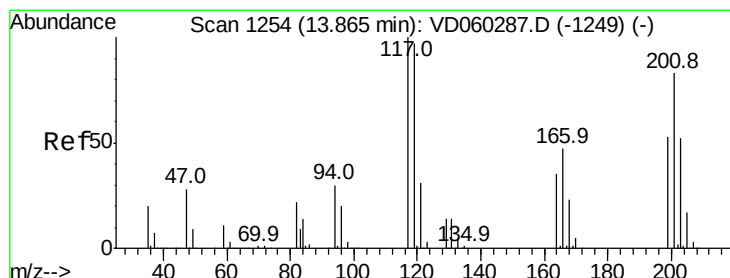
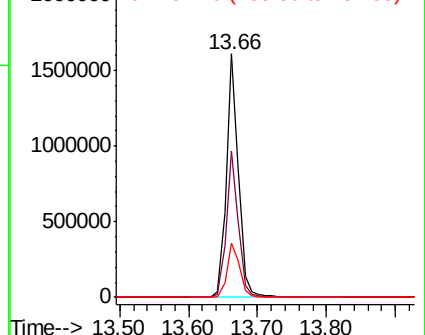
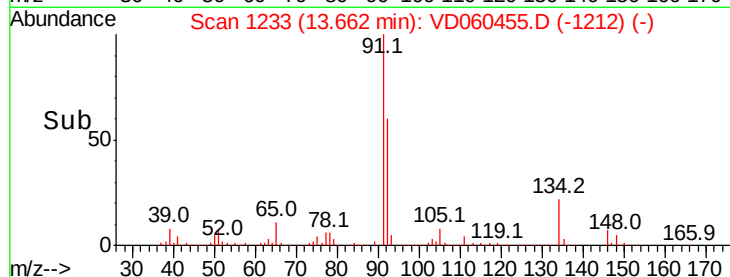
134 22.3 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 50.894 ug/l

RT: 13.88 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD060455.D

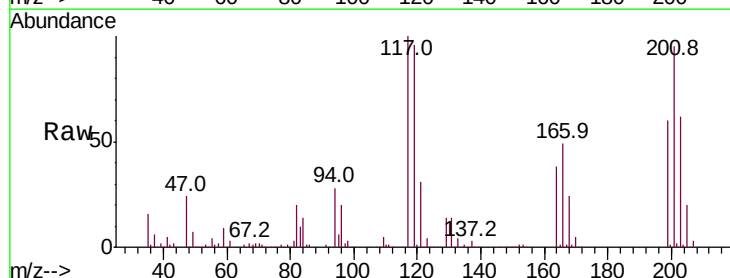
Acq: 26 Nov 2018 14:57

Tgt Ion: 117 Resp: 501186

Ion Ratio Lower Upper

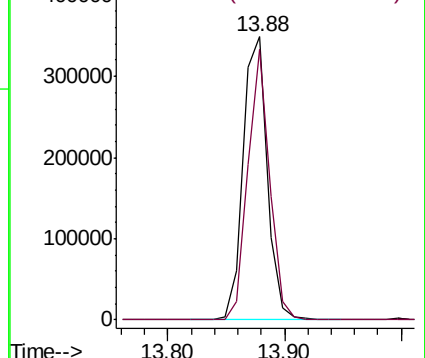
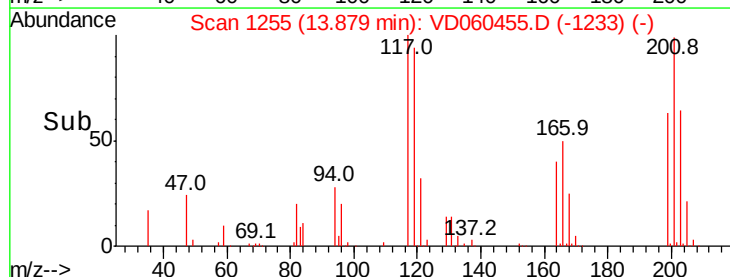
117 100

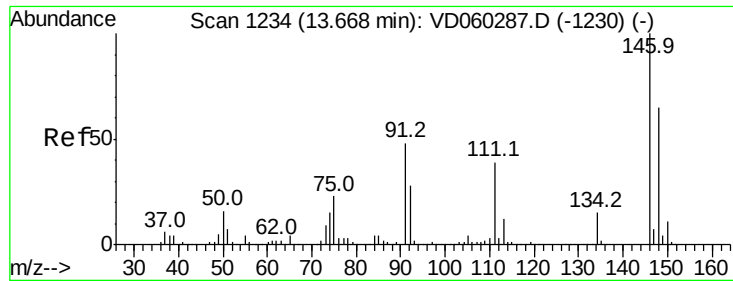
201 95.4 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

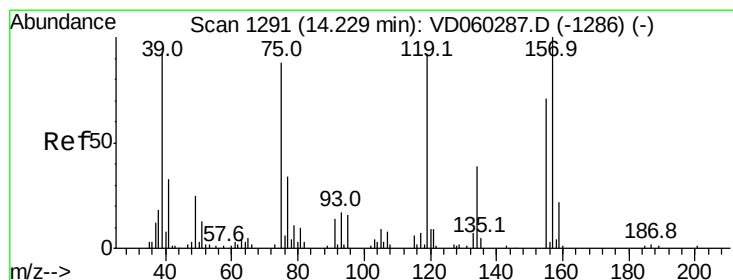
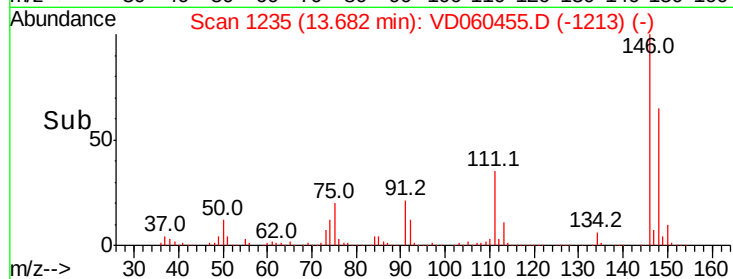
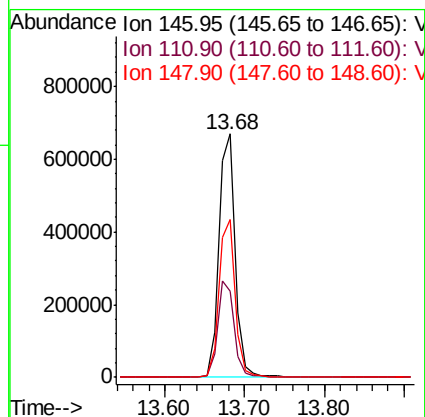
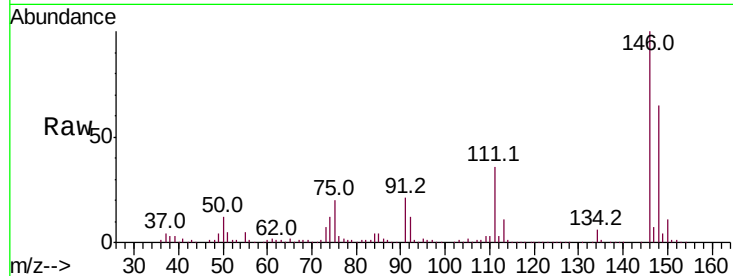




#91
 1,2-Dichlorobenzene
 Concen: 50.838 ug/l
 RT: 13.68 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

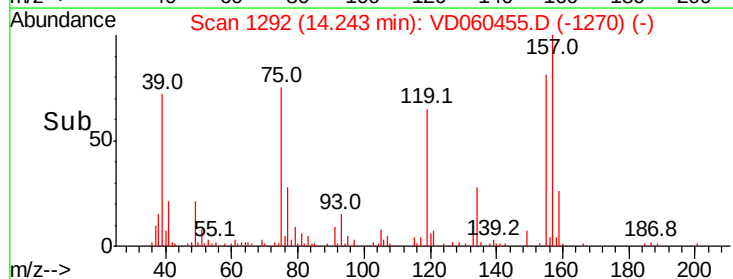
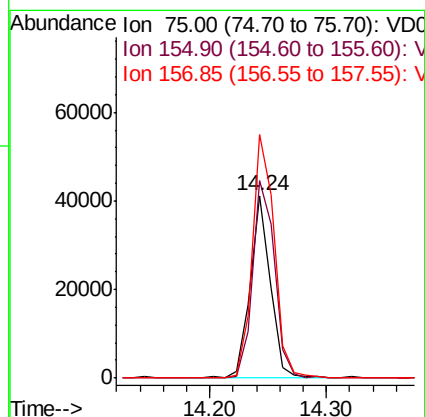
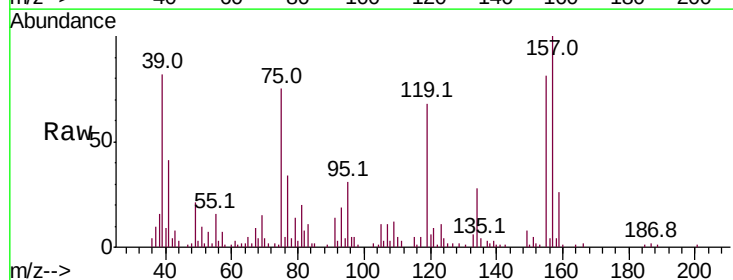
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MSD

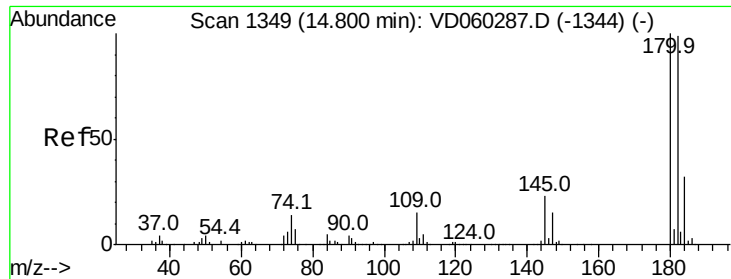
Tot Ion:146 Resp: 961385
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.9 56.9
 148 65.1 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.491 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

Tgt Ion: 75 Resp: 49522
 Ion Ratio Lower Upper
 75 100
 155 108.0 64.3 192.9
 157 133.3 81.0 243.1

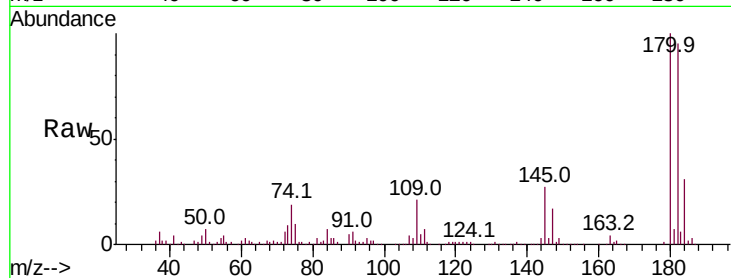




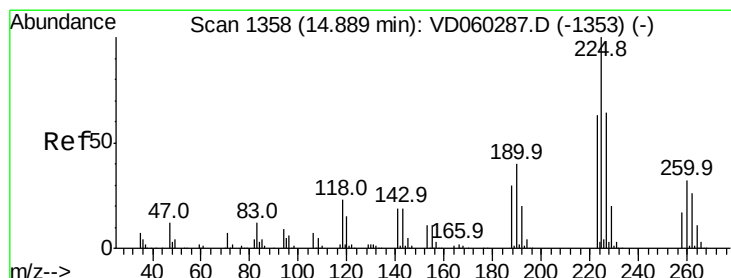
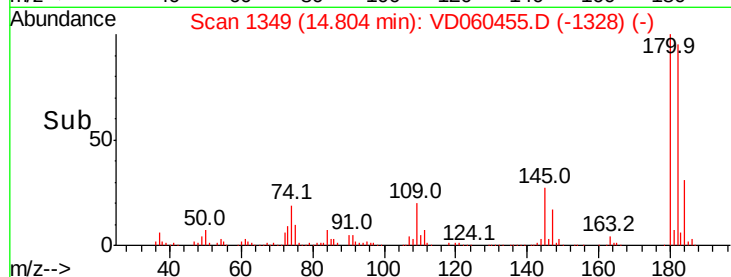
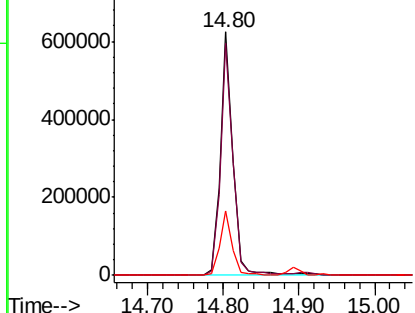
#93
 1,2,4-Trichlorobenzene
 Concen: 48.683 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. 0.00 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

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

Tot Ion:180 Resp: 729936
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.1 144.4
 145 26.7 11.5 34.4

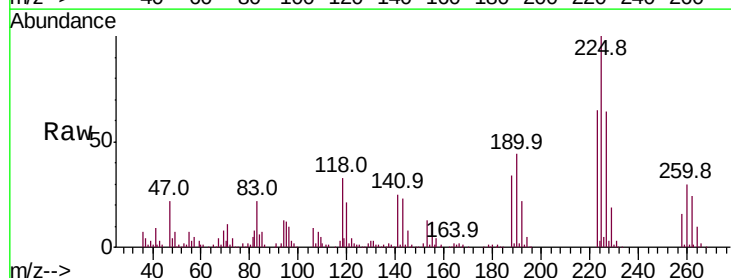


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

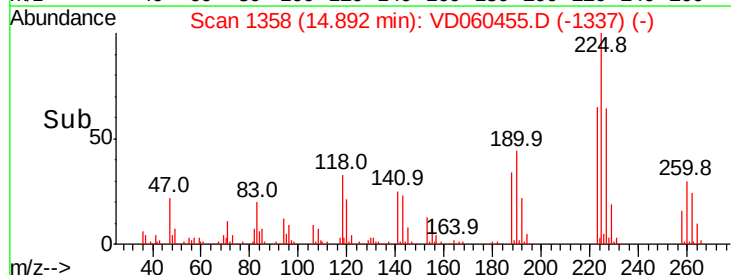
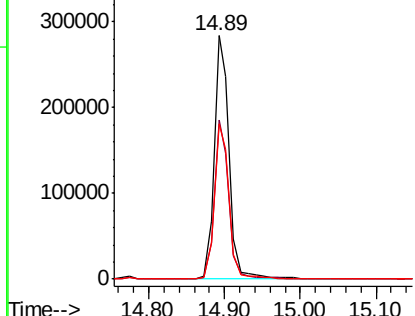


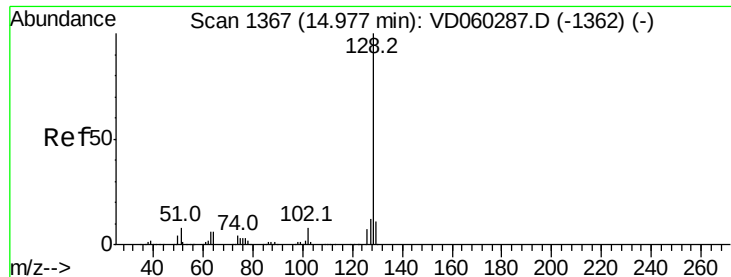
#94
 Hexachlorobutadiene
 Concen: 35.378 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD060455.D
 Acq: 26 Nov 2018 14:57

Tgt Ion:225 Resp: 396758
 Ion Ratio Lower Upper
 225 100
 223 65.3 31.6 94.8
 227 63.7 32.3 96.9



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





#95

Naphthalene

Concen: 50.125 ug/l

RT: 14.98 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Instrument :

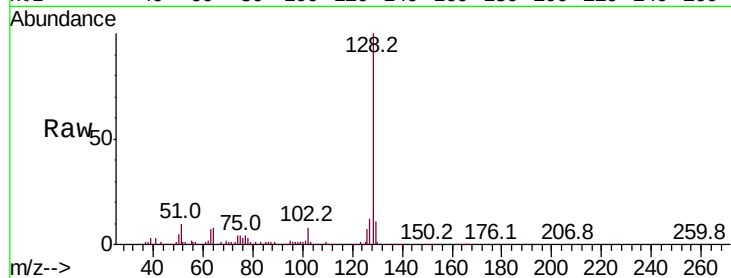
MSVOA_D

ClientSampleId :

FDSB-05(25-27)MSD

Tot Ion:128 Resp: 917696

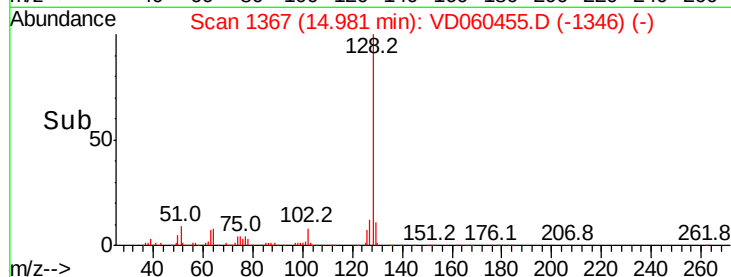
Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.6	14.4
129	11.0	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



14.98

800000

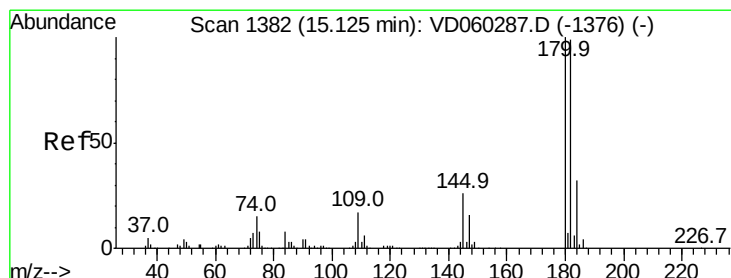
600000

400000

200000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 48.331 ug/l

RT: 15.13 min Scan# 1382

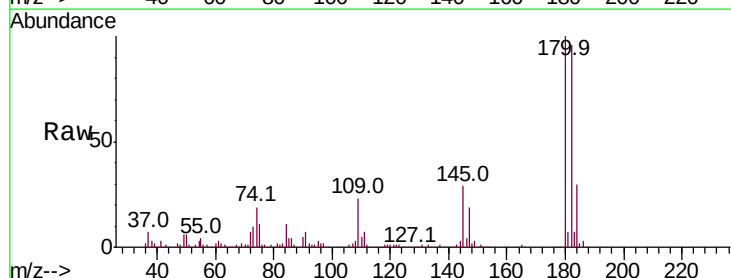
Delta R.T. 0.00 min

Lab File: VD060455.D

Acq: 26 Nov 2018 14:57

Tgt Ion:180 Resp: 580691

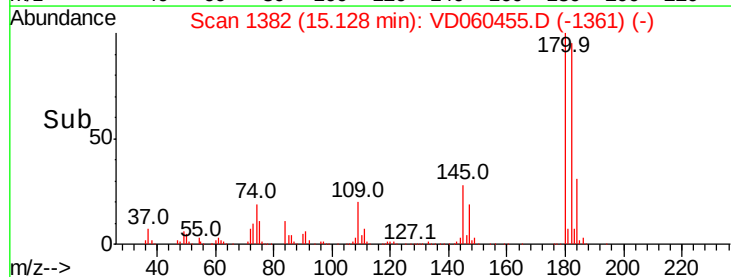
Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.9	146.7
145	28.7	12.9	38.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



15.13

600000

500000

400000

300000

200000

100000

0

Time-->