

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112618\
 Data File : VD060456.D
 Acq On : 26 Nov 2018 15:44
 Operator : VA/AP
 Sample : J5918-03MS
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Nov 26 16:24:05 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	1305976	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.48	114	1738629	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.30	117	1389975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.39	152	695120	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.82	65	432527	46.25	ug/l	0.02
Spiked Amount			Recovery	=	92.50%	
35) Dibromofluoromethane	6.35	113	671980	51.83	ug/l	0.02
Spiked Amount			Recovery	=	103.66%	
50) Toluene-d8	9.48	98	1851159	48.79	ug/l	0.02
Spiked Amount			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.45	95	661597	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	454236	43.772	ug/l	99
3) Chloromethane	1.78	50	504632	40.793	ug/l	100
4) Vinyl Chloride	1.87	62	437221	43.278	ug/l	99
5) Bromomethane	2.17	94	130784	54.565	ug/l	93
6) Chloroethane	2.28	64	161909	48.301	ug/l	98
7) Trichlorofluoromethane	2.54	101	571200	47.956	ug/l	98
8) Diethyl Ether	2.85	74	104458	48.439	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.12	101	375881	47.980	ug/l	99
10) Methyl Iodide	3.27	142	427720	42.037	ug/l	96
11) Tert butyl alcohol	4.00	59	103869	270.502	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	300547	47.164	ug/l	97
13) Acrolein	3.01	56	78561	173.148	ug/l	94
14) Allyl chloride	3.57	41	600552	49.255	ug/l	99
15) Acrylonitrile	4.12	53	542894	242.450	ug/l	97
16) Acetone	3.19	43	378460	233.325	ug/l	98
17) Carbon Disulfide	3.34	76	857247	41.678	ug/l	100
18) Methyl Acetate	3.59	43	190113	54.969	ug/l	100
19) Methyl tert-butyl Ether	4.16	73	943468	49.445	ug/l	99
20) Methylene Chloride	3.76	84	687466	47.778	ug/l	97
21) trans-1,2-Dichloroethene	4.14	96	694624	49.094	ug/l	95
22) Diisopropyl ether	4.89	45	2280064	50.053	ug/l	97
23) Vinyl Acetate	4.84	43	5500112	242.657	ug/l	99
24) 1,1-Dichloroethane	4.79	63	1167978	50.001	ug/l	100
25) 2-Butanone	5.66	43	787779	233.659	ug/l	100
26) 2,2-Dichloropropane	5.62	77	949530	52.284	ug/l	98
27) cis-1,2-Dichloroethene	5.63	96	754507	51.188	ug/l	98
28) Bromochloromethane	5.96	49	519844	50.437	ug/l	93
29) Tetrahydrofuran	5.99	42	399785	224.909	ug/l	98
30) Chloroform	6.14	83	1184273	50.713	ug/l	100
31) Cyclohexane	6.40	56	967719	43.344	ug/l	97
32) 1,1,1-Trichloroethane	6.32	97	992952	50.479	ug/l	99
36) 1,1-Dichloropropene	6.56	75	864640	50.337	ug/l	98
37) Ethyl Acetate	5.73	43	401466	50.792	ug/l	98
38) Carbon Tetrachloride	6.53	117	823912	51.708	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.08	83	918967	46.516	ug/l	95
40) Benzene	6.83	78	2197128	50.110	ug/l	99
41) Methacrylonitrile	5.96	41	431755	47.725	ug/l #	82
42) 1,2-Dichloroethane	6.93	62	585859	51.049	ug/l	98
43) Isopropyl Acetate	8.38	43	494738	49.830	ug/l #	98
44) Trichloroethene	7.77	130	697469	52.476	ug/l	97
45) 1,2-Dichloropropane	8.14	63	583867	52.800	ug/l	97
46) Dibromomethane	8.24	93	330778	51.074	ug/l	99
47) Bromodichloromethane	8.52	83	798687	52.333	ug/l	100
48) Methyl methacrylate	8.27	41	309266	51.281	ug/l	95
49) 1,4-Dioxane	8.26	88	56900	1090.445	ug/l	92
51) 4-Methyl-2-Pentanone	9.38	43	1560903	241.547	ug/l	98
52) Toluene	9.58	92	1433634	51.187	ug/l	100
53) t-1,3-Dichloropropene	9.95	75	672552	52.156	ug/l	99
54) cis-1,3-Dichloropropene	9.13	75	864123	52.247	ug/l	98
55) 1,1,2-Trichloroethane	10.21	97	396220	48.809	ug/l	97
56) Ethyl methacrylate	10.06	69	375606	50.323	ug/l	96
57) 1,3-Dichloropropane	10.41	76	616492	49.839	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.95	63	1135102	251.516	ug/l	100
59) 2-Hexanone	10.52	43	1174564	255.019	ug/l	96
60) Dibromochloromethane	10.66	129	531363	53.848	ug/l	98
61) 1,2-Dibromoethane	10.78	107	417200	51.294	ug/l	99
64) Tetrachloroethene	10.28	164	625938	50.443	ug/l	99
65) Chlorobenzene	11.33	112	1568867	52.093	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.44	131	521791	52.952	ug/l	98
67) Ethyl Benzene	11.45	91	2659510	51.621	ug/l	100
68) m/p-Xylenes	11.59	106	1959164	103.089	ug/l	99
69) o-Xylene	11.95	106	937062	51.038	ug/l	95
70) Styrene	11.97	104	1497494	50.468	ug/l	97
71) Bromoform	12.14	173	349959	52.851	ug/l	99
73) Isopropylbenzene	12.30	105	2606353	51.464	ug/l	99
74) N-amyl acetate	12.15	43	661407	50.939	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	433421	52.329	ug/l	97
76) 1,2,3-Trichloropropane	12.61	75	404136	48.602	ug/l	97
77) Bromobenzene	12.56	156	661717	49.189	ug/l	89
78) n-propylbenzene	12.65	91	3124578	49.429	ug/l	98
79) 2-Chlorotoluene	12.72	91	1745094	50.405	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	1952627	49.611	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.36	75	121429	51.293	ug/l	92
82) 4-Chlorotoluene	12.83	91	1961023	50.423	ug/l	93
83) tert-Butylbenzene	13.07	119	2189968	50.118	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	1991338	50.661	ug/l	96
85) sec-Butylbenzene	13.24	105	2597755	48.456	ug/l	97
86) p-Isopropyltoluene	13.36	119	2107886	48.825	ug/l	98
87) 1,3-Dichlorobenzene	13.33	146	1169300	48.855	ug/l	97
88) 1,4-Dichlorobenzene	13.41	146	1154011	49.370	ug/l	96
89) n-Butylbenzene	13.67	91	2111091	50.300	ug/l	98
90) Hexachloroethane	13.87	117	520768	50.870	ug/l	92
91) 1,2-Dichlorobenzene	13.68	146	975029	49.597	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.25	75	51378	51.388	ug/l	93

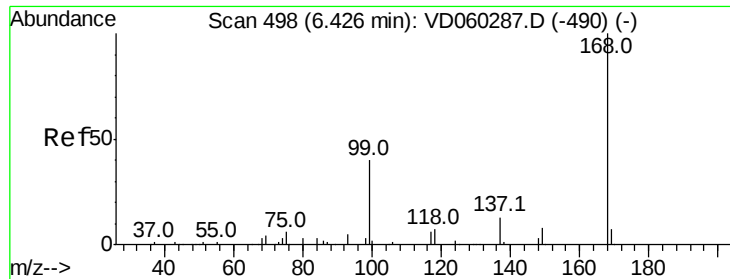
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.81	180	738436	47.376	µg/l	98
94) Hexachlorobutadiene	14.90	225	465148	39.898	µg/l	99
95) Naphthalene	14.98	128	955106	50.183	µg/l	100
96) 1,2,3-Trichlorobenzene	15.13	180	600787	48.101	µg/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 500

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

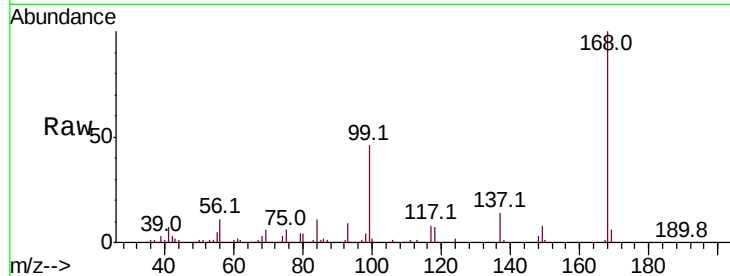
FDSB-05(25-27)MS

Tot Ion:168 Resp: 1305976

Ion Ratio Lower Upper

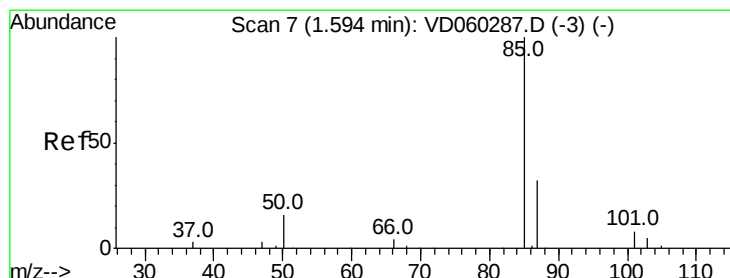
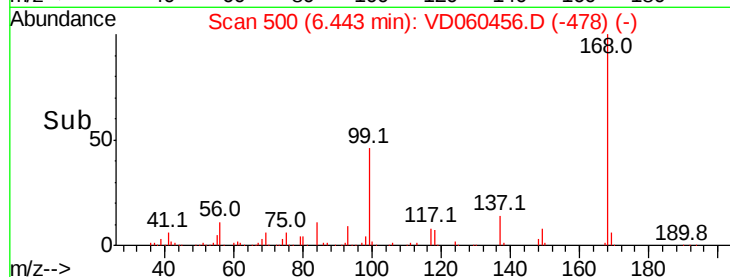
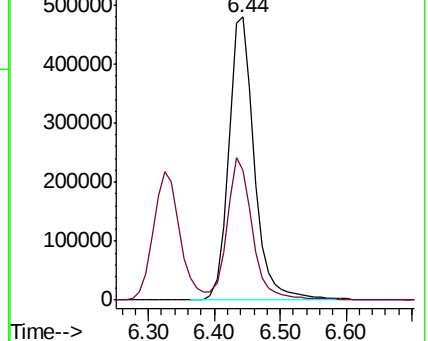
168 100

99 45.8 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 43.772 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060456.D

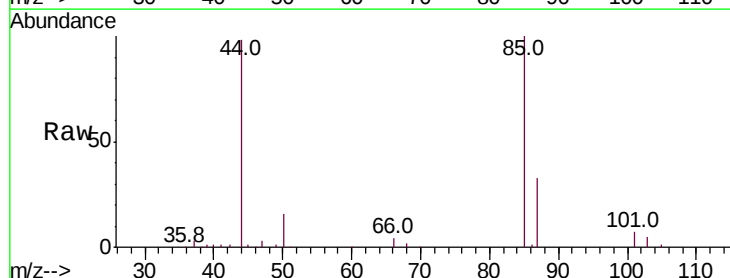
Acq: 26 Nov 2018 15:44

Tgt Ion: 85 Resp: 454236

Ion Ratio Lower Upper

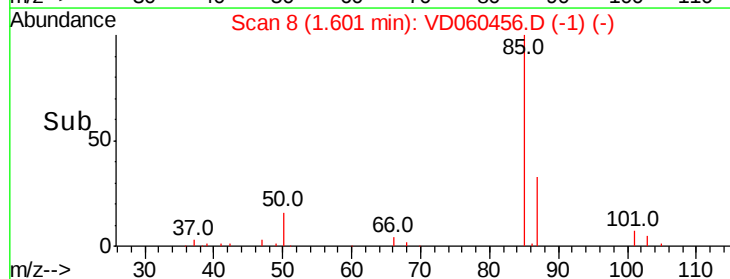
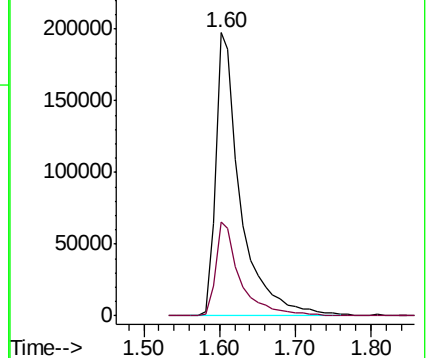
85 100

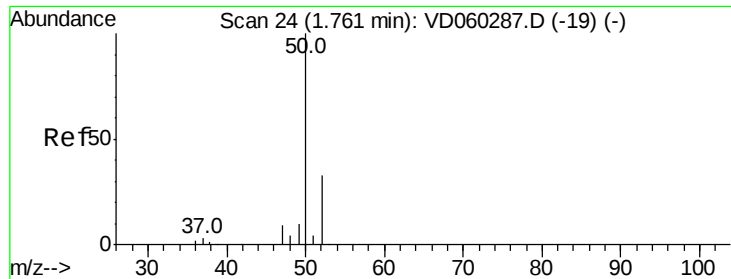
87 33.1 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.793 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

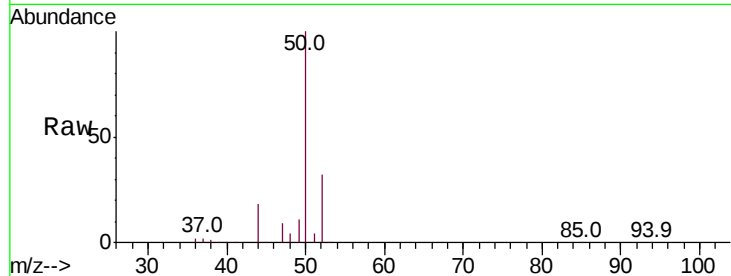
FDSB-05(25-27)MS

Tot Ion: 50 Resp: 504632

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.78

200000

150000

100000

50000

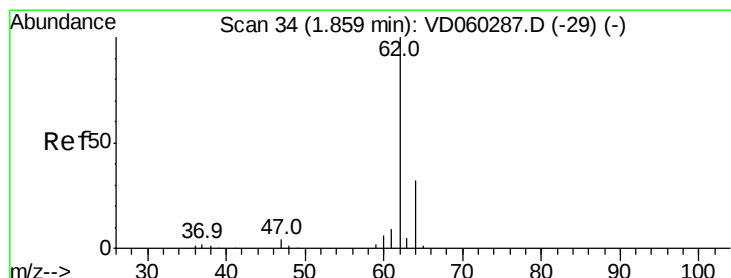
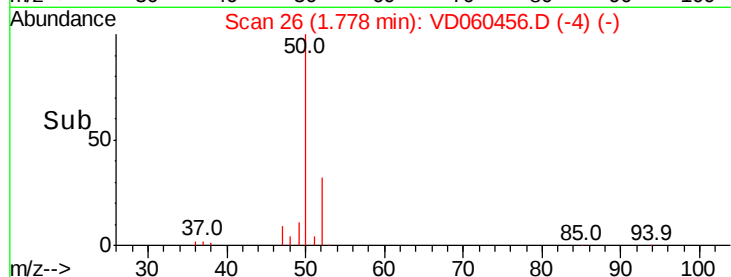
0

1.70

1.80

1.90

Time-->



#4

Vinyl Chloride

Concen: 43.278 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060456.D

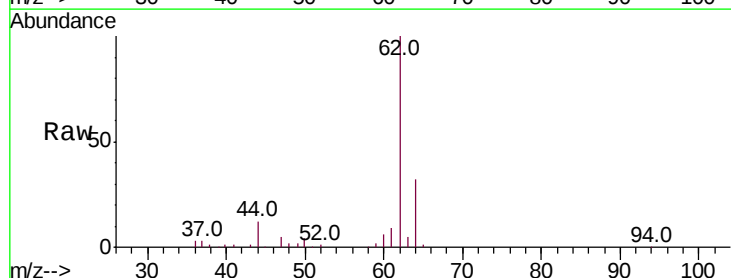
Acq: 26 Nov 2018 15:44

Tgt Ion: 62 Resp: 437221

Ion Ratio Lower Upper

62 100

64 31.7 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

200000

150000

100000

50000

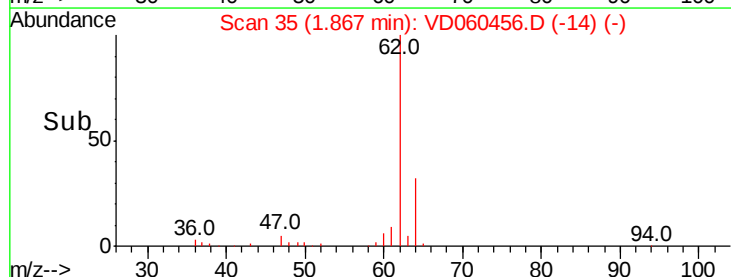
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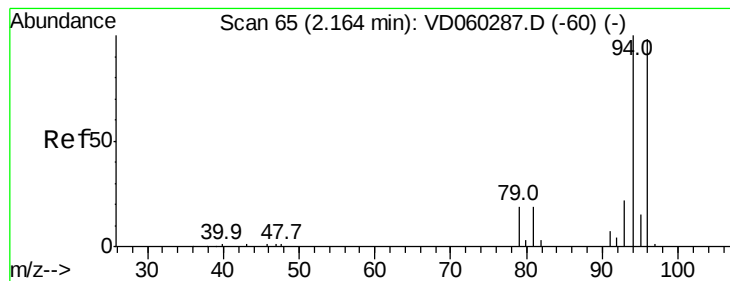
1.80

1.90

2.00

Time-->





#5

Bromomethane

Concen: 54.565 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

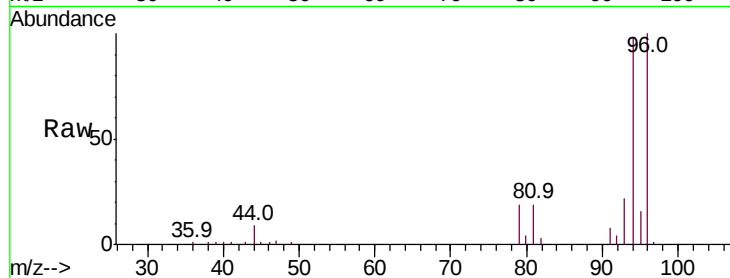
FDSB-05(25-27)MS

Tot Ion: 94 Resp: 130784

Ion Ratio Lower Upper

94 100

96 102.3 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.17

60000

50000

40000

30000

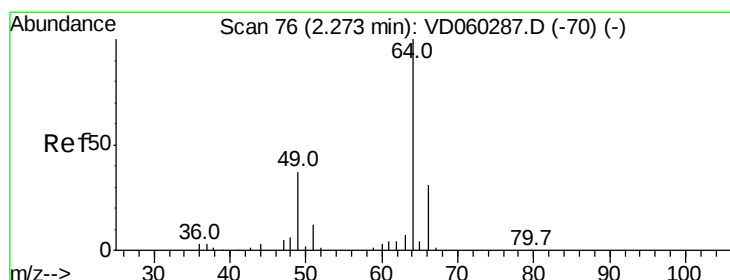
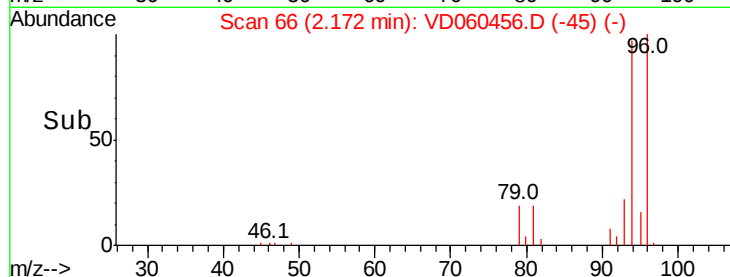
20000

10000

0

Time-->

2.10 2.20 2.30



#6

Chloroethane

Concen: 48.301 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.01 min

Lab File: VD060456.D

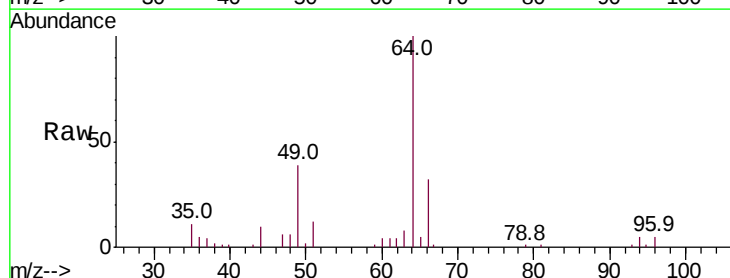
Acq: 26 Nov 2018 15:44

Tgt Ion: 64 Resp: 161909

Ion Ratio Lower Upper

64 100

66 32.2 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.28

60000

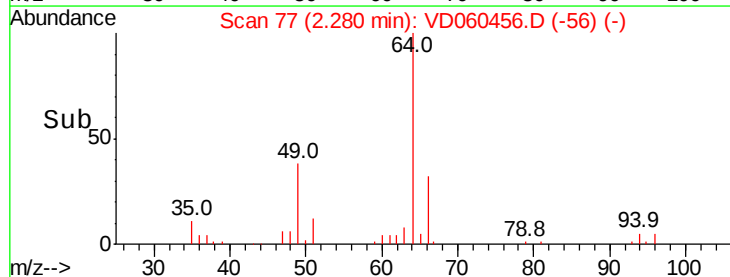
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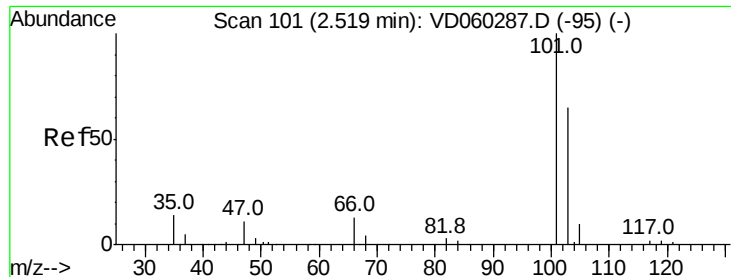
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Time-->

2.20 2.30 2.40 2.50



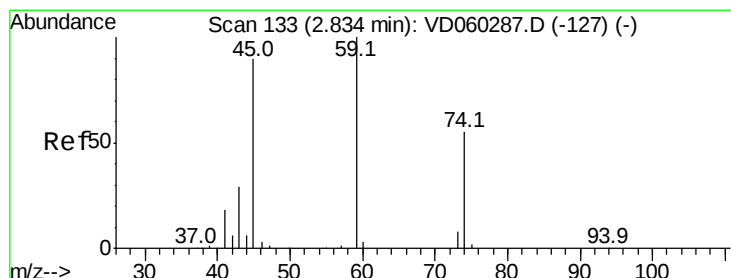
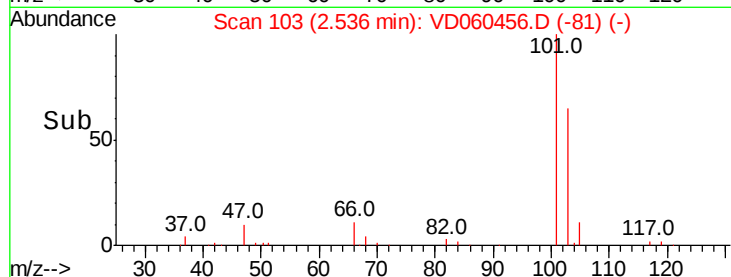
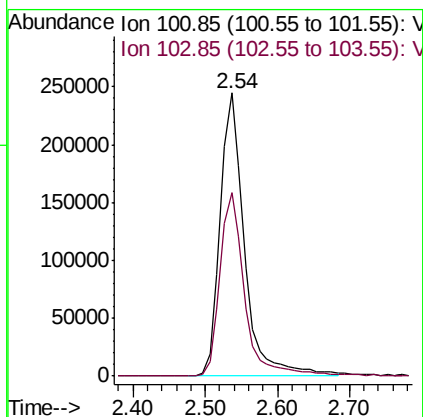
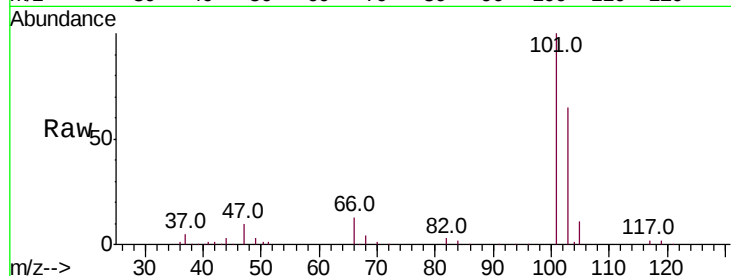


#7

Trichlorofluoromethane
 Concen: 47.956 ug/l
 RT: 2.54 min Scan# 103
 Delta R.T. 0.02 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

Instrument :
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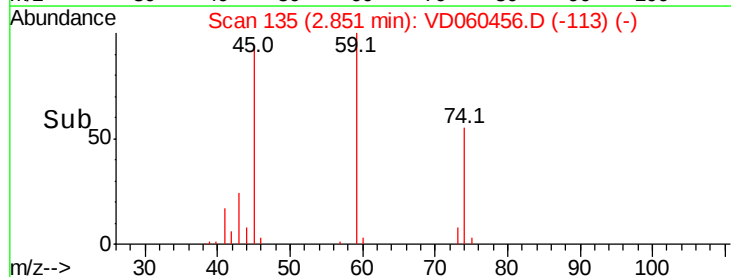
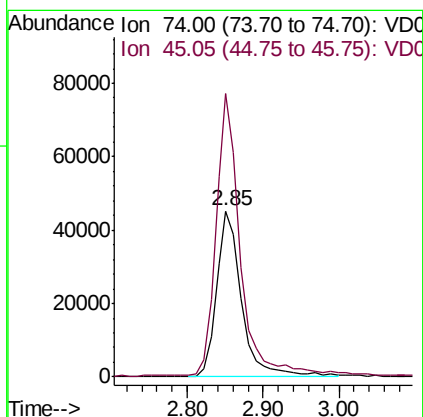
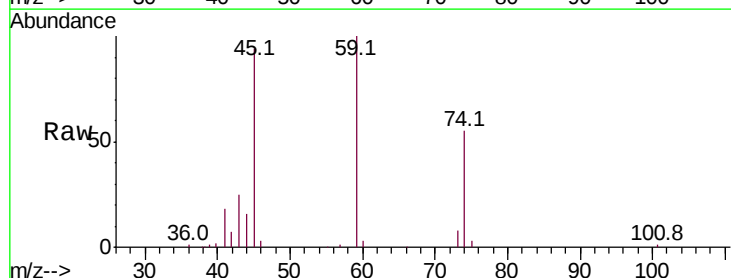
Tot Ion:101 Resp: 571200
 Ion Ratio Lower Upper
 101 100
 103 65.0 53.6 80.4

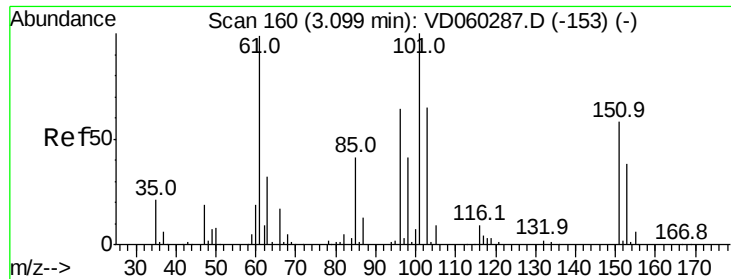


#8

Diethyl Ether
 Concen: 48.439 ug/l
 RT: 2.85 min Scan# 135
 Delta R.T. 0.02 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

Tgt Ion: 74 Resp: 104458
 Ion Ratio Lower Upper
 74 100
 45 170.6 84.8 254.4

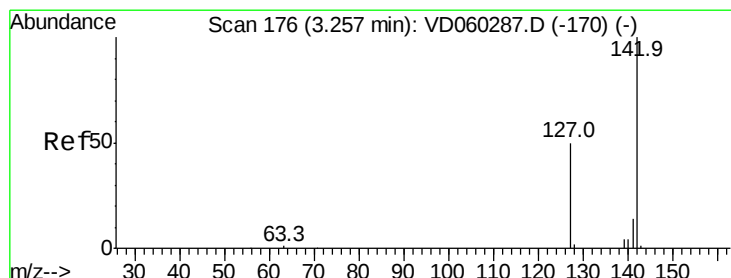
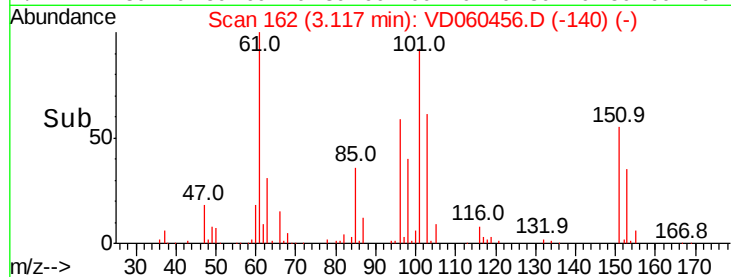
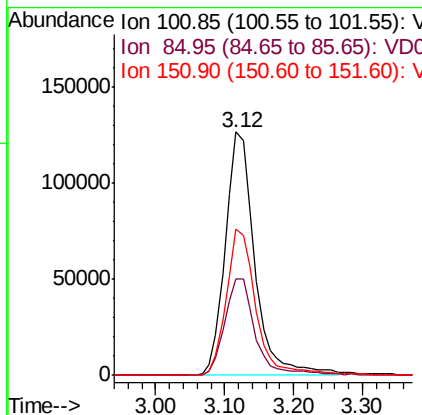
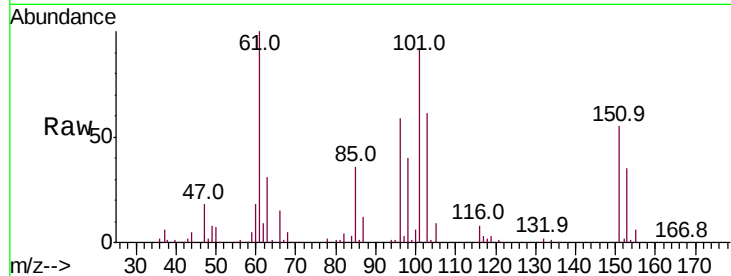




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.980 ug/l
 RT: 3.12 min Scan# 162
 Delta R.T. 0.02 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

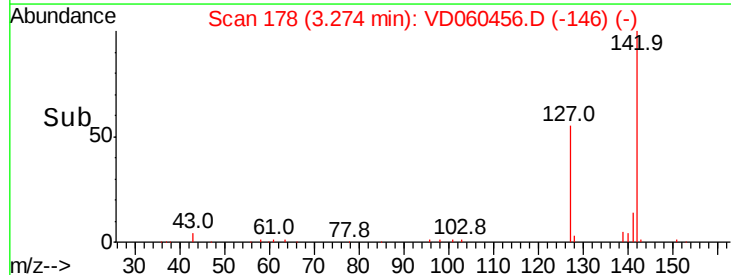
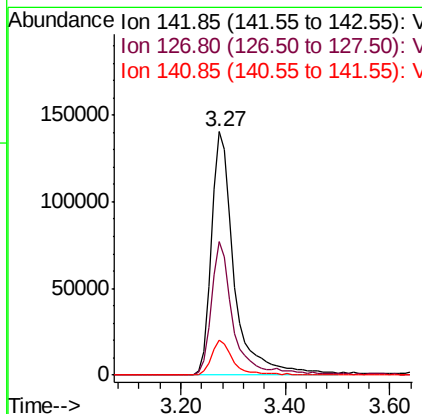
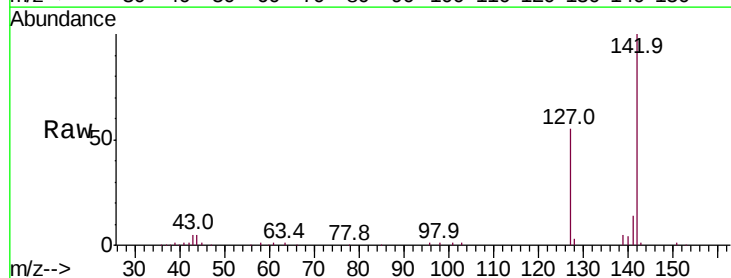
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

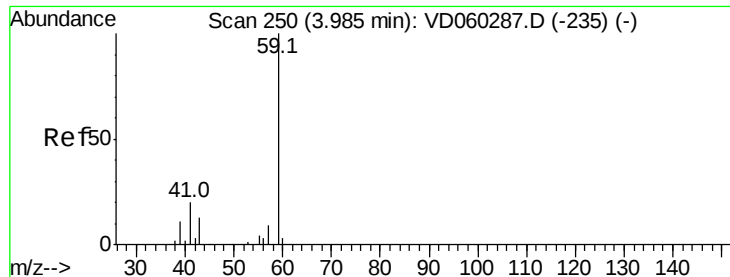
Tot Ion:101 Resp: 375881
 Ion Ratio Lower Upper
 101 100
 85 39.5 31.4 47.0
 151 60.0 47.4 71.0



#10
 Methyl Iodide
 Concen: 42.037 ug/l
 RT: 3.27 min Scan# 178
 Delta R.T. 0.02 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

Tgt Ion:142 Resp: 427720
 Ion Ratio Lower Upper
 142 100
 127 54.6 41.0 61.6
 141 14.3 11.9 17.9



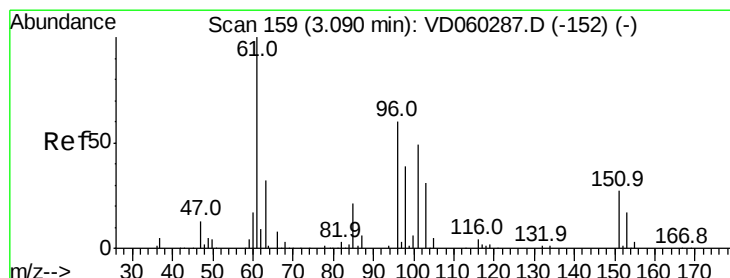
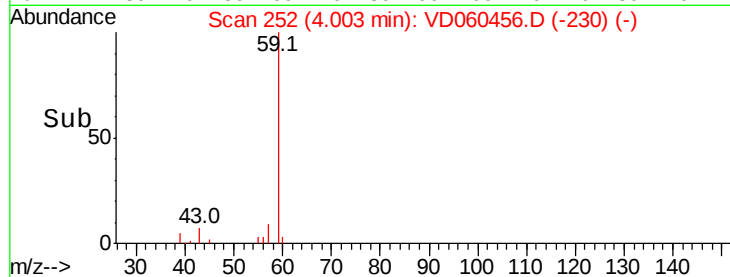
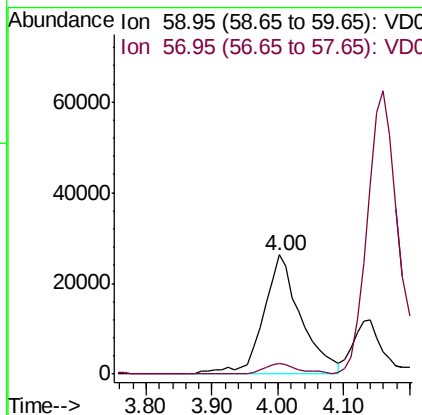
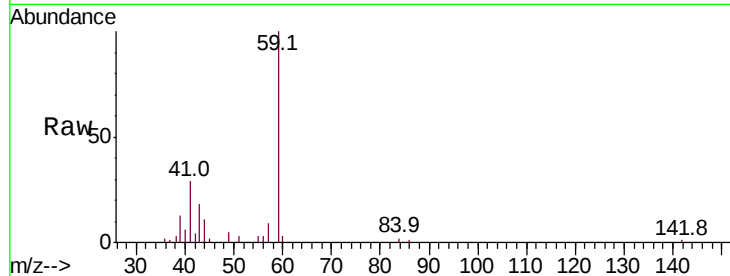


#11

Tert butyl alcohol
Concen: 270.502 ug/l
RT: 4.00 min Scan# 252
Delta R.T. 0.02 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

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

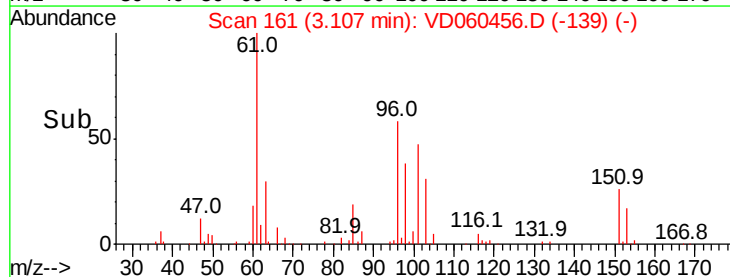
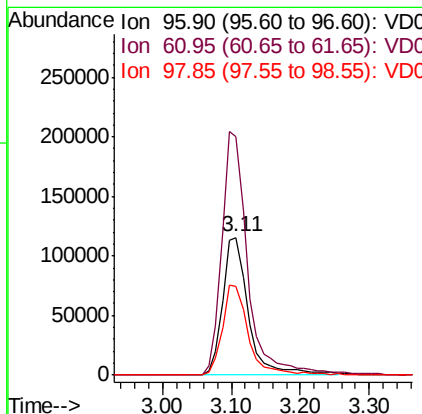
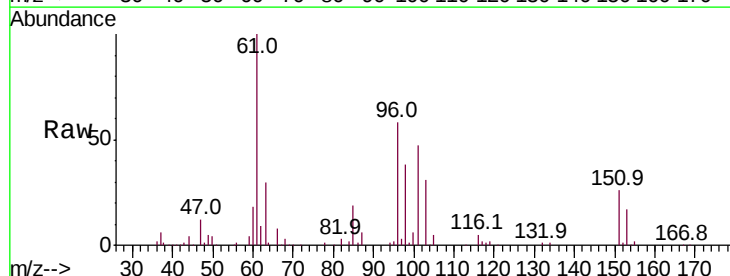
Tot Ion: 59 Resp: 103869
Ion Ratio Lower Upper
59 100
57 9.1 9.3 13.9#

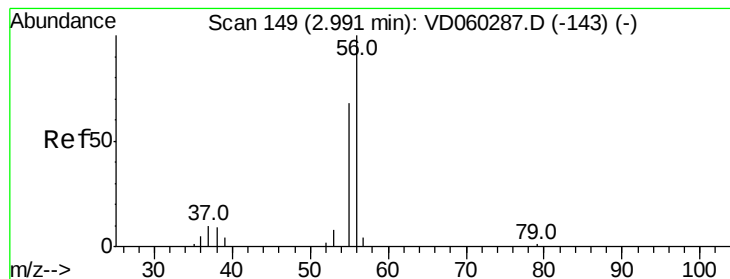


#12

1,1-Dichloroethene
Concen: 47.164 ug/l
RT: 3.11 min Scan# 161
Delta R.T. 0.02 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

Tgt Ion: 96 Resp: 300547
Ion Ratio Lower Upper
96 100
61 172.9 142.2 213.4
98 64.9 52.6 79.0





#13

Acrolein

Concen: 173.148 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

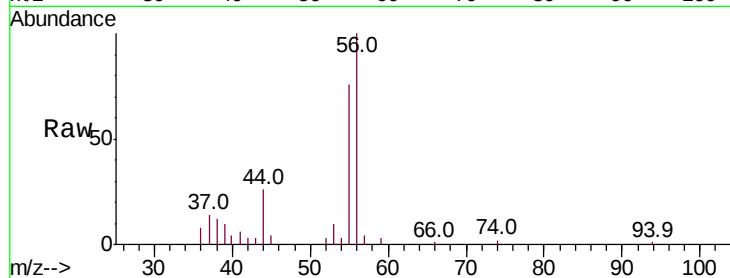
FDSB-05(25-27)MS

Tot Ion: 56 Resp: 78561

Ion Ratio Lower Upper

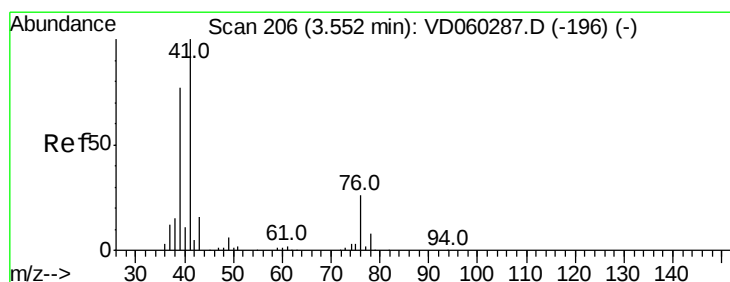
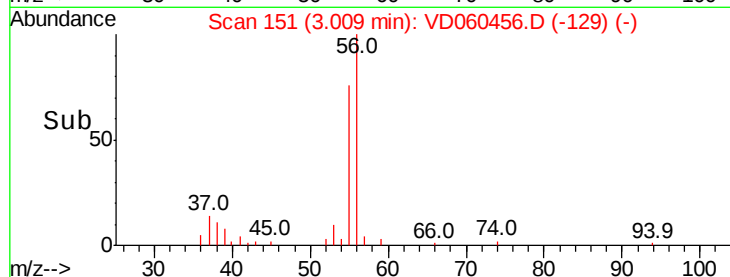
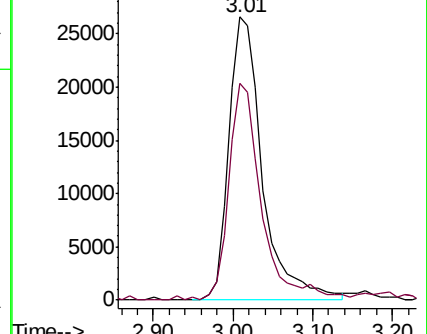
56 100

55 76.5 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.255 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

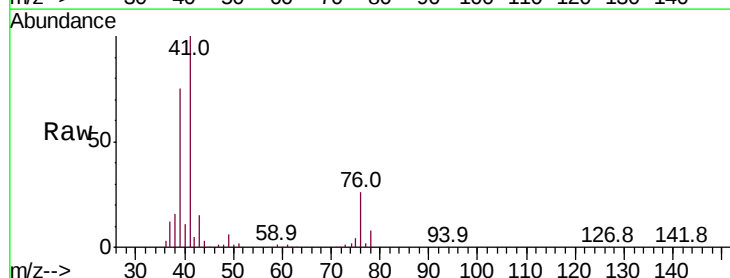
Tgt Ion: 41 Resp: 600552

Ion Ratio Lower Upper

41 100

39 75.0 60.4 90.6

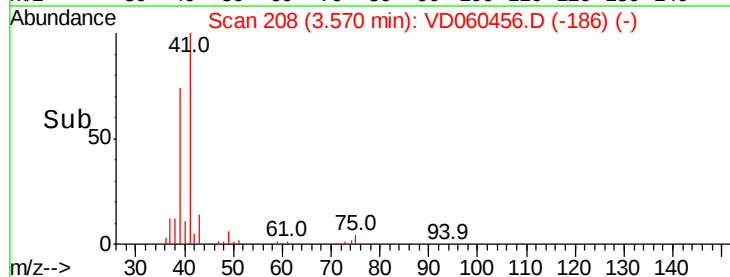
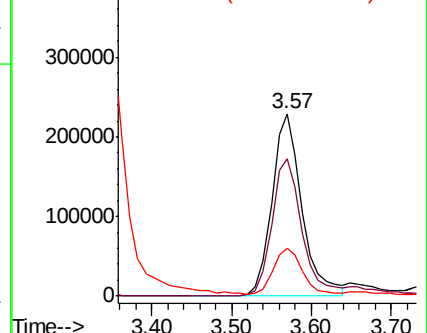
76 26.2 21.8 32.8

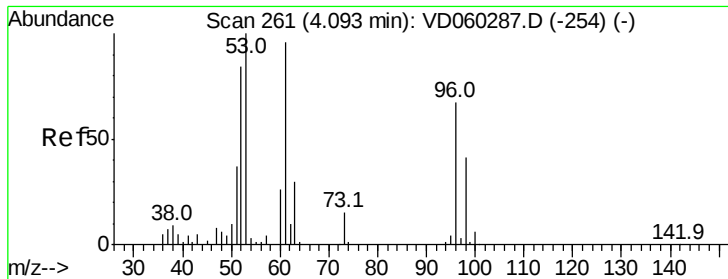


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 242.450 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.03 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

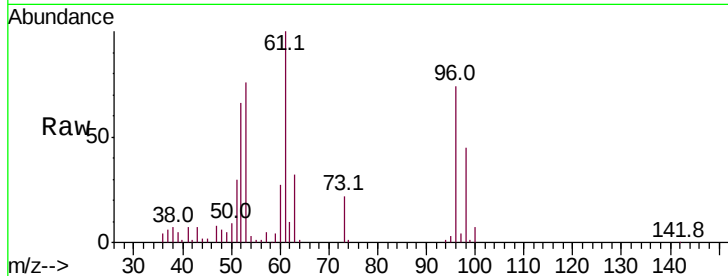
Tot Ion: 53 Resp: 542894

Ion Ratio Lower Upper

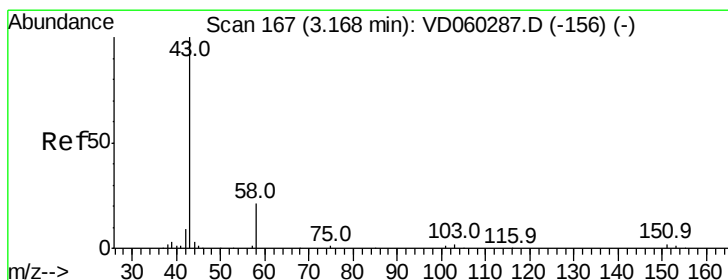
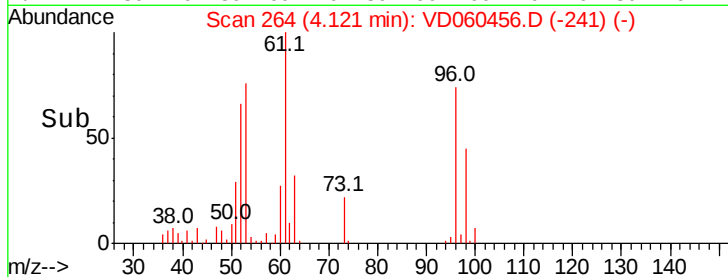
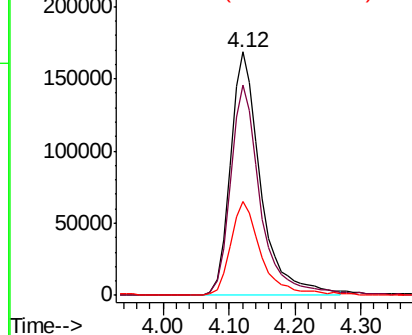
53 100

52 86.2 67.0 100.4

51 38.7 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: 233.325 ug/l

RT: 3.19 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060456.D

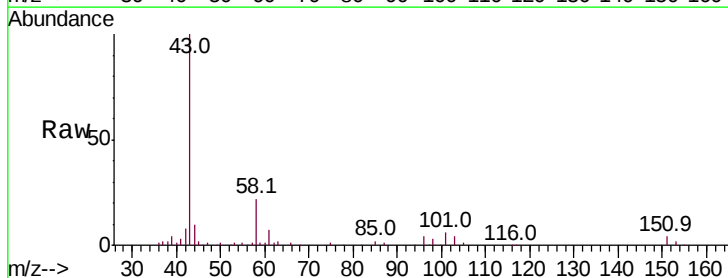
Acq: 26 Nov 2018 15:44

Tgt Ion: 43 Resp: 378460

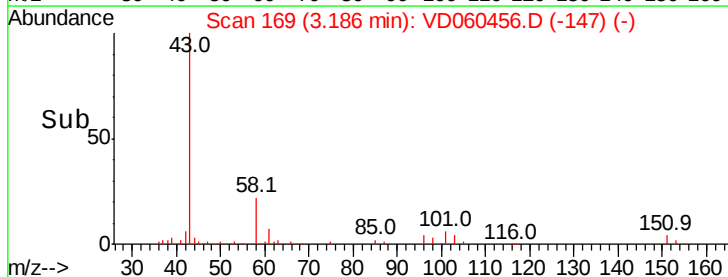
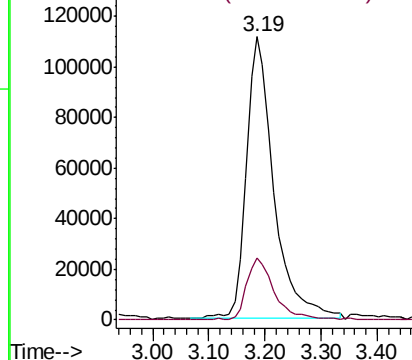
Ion Ratio Lower Upper

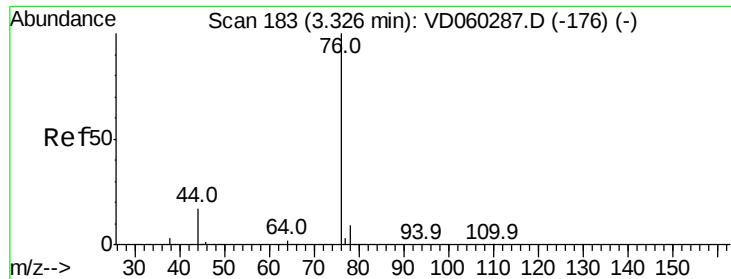
43 100

58 22.0 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

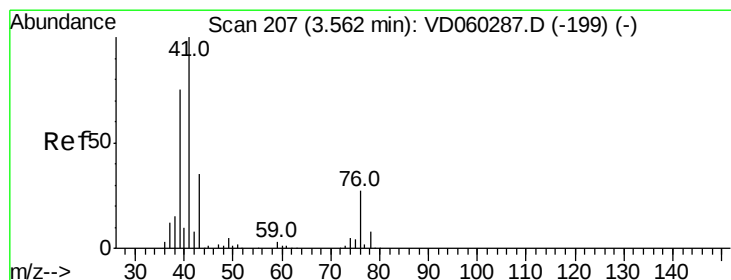
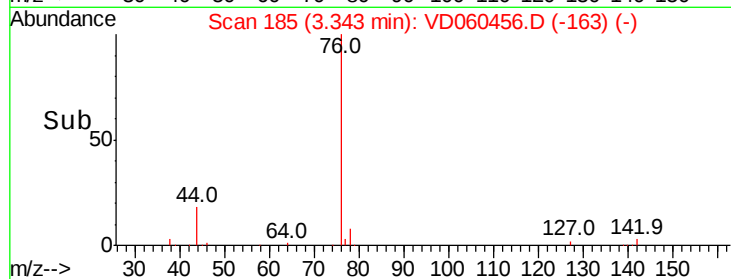
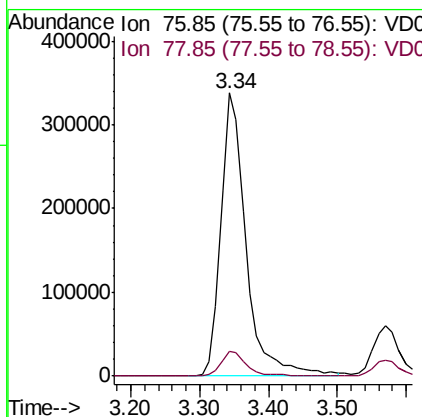
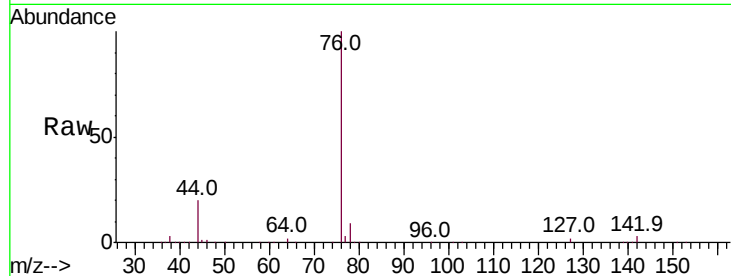




#17
Carbon Disulfide
Concen: 41.678 ug/l
RT: 3.34 min Scan# 185
Delta R.T. 0.02 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

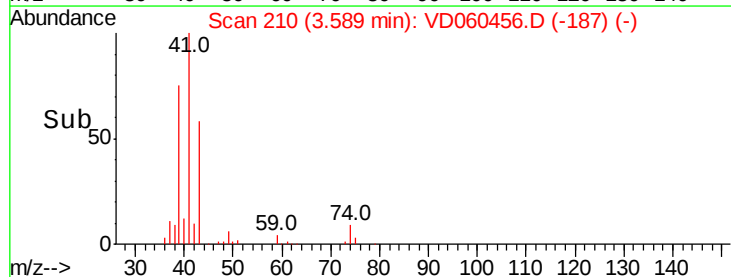
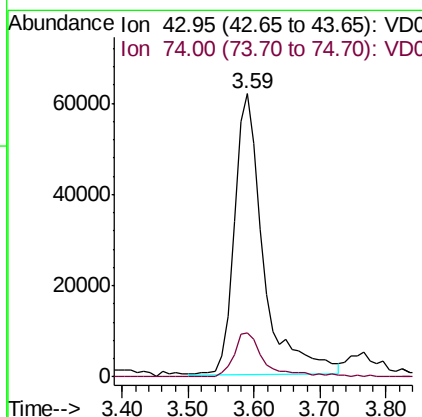
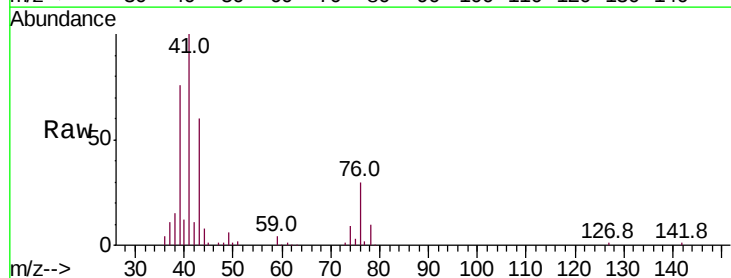
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

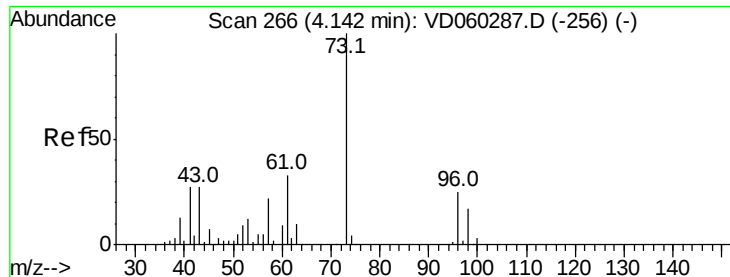
Tot Ion: 76 Resp: 857247
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 54.969 ug/l
RT: 3.59 min Scan# 210
Delta R.T. 0.03 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

Tgt Ion: 43 Resp: 190113
Ion Ratio Lower Upper
43 100
74 15.5 12.4 18.6



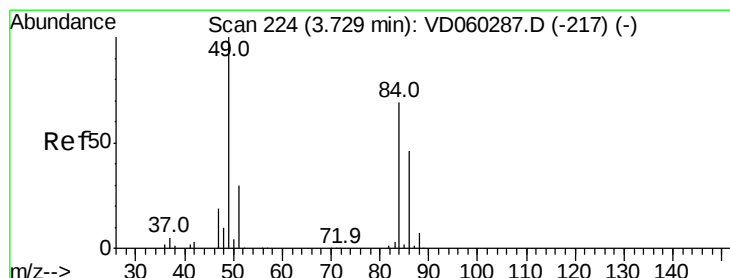
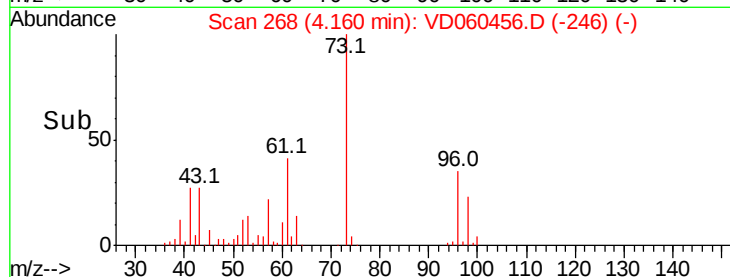
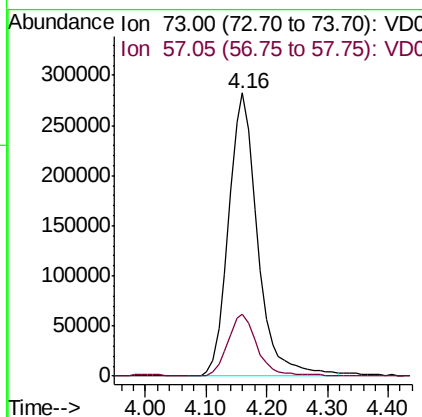
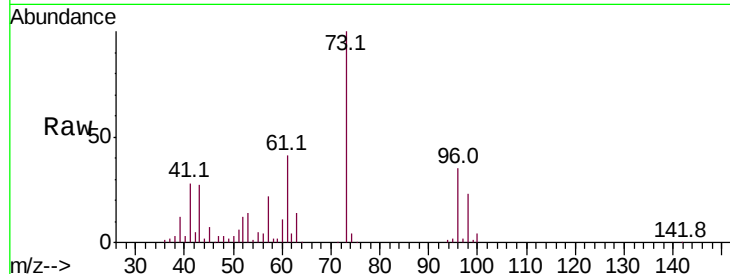


#19

Methyl tert-butyl Ether
 Concen: 49.445 ug/l
 RT: 4.16 min Scan# 268
 Delta R.T. 0.02 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

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

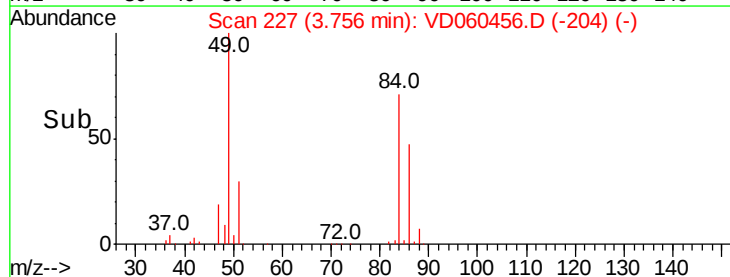
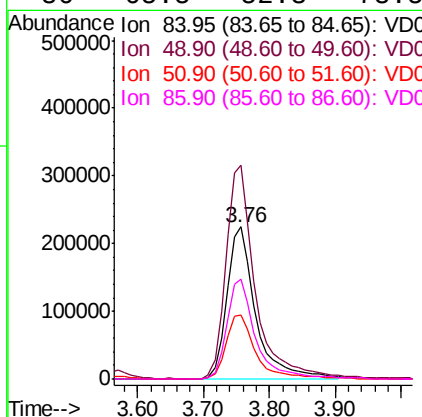
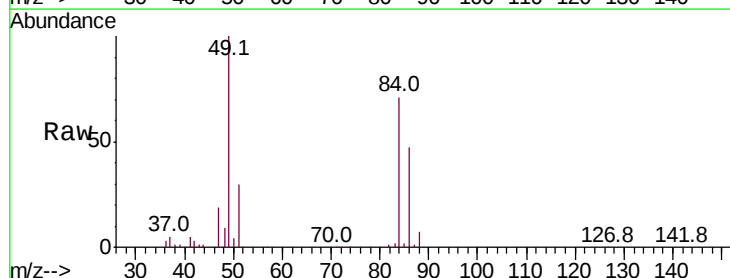
Tot Ion: 73 Resp: 943468
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.1 27.1

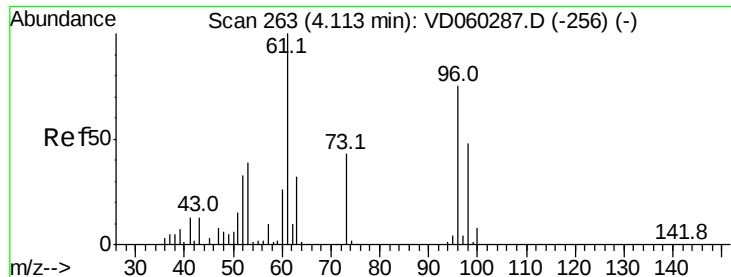


#20

Methylene Chloride
 Concen: 47.778 ug/l
 RT: 3.76 min Scan# 227
 Delta R.T. 0.03 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

Tgt Ion: 84 Resp: 687466
 Ion Ratio Lower Upper
 84 100
 49 140.4 115.6 173.4
 51 42.0 35.6 53.4
 86 65.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 49.094 ug/l

RT: 4.14 min Scan# 266

Delta R.T. 0.03 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

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

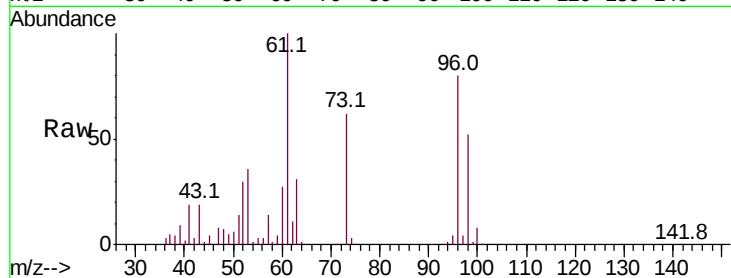
Tot Ion: 96 Resp: 694624

Ion Ratio Lower Upper

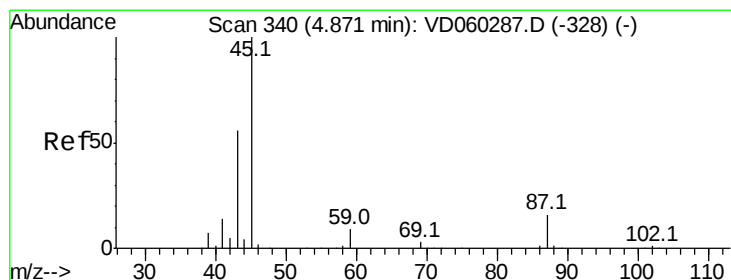
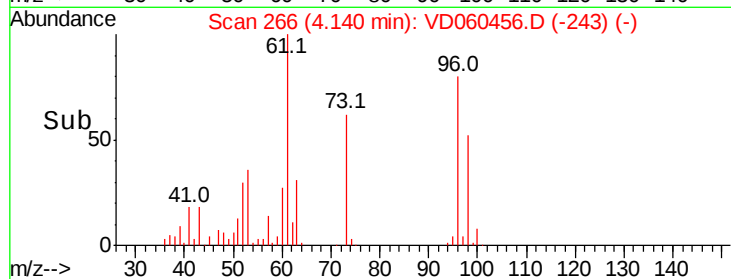
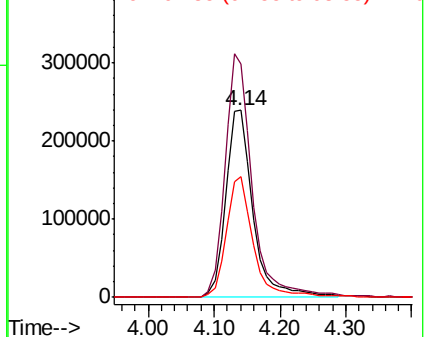
96 100

61 124.8 105.8 158.6

98 64.4 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: 50.053 ug/l

RT: 4.89 min Scan# 342

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Tgt Ion: 45 Resp: 2280064

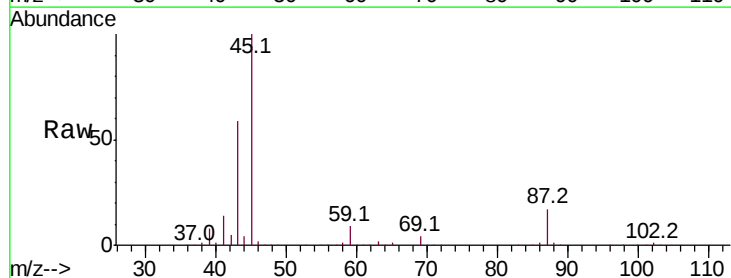
Ion Ratio Lower Upper

45 100

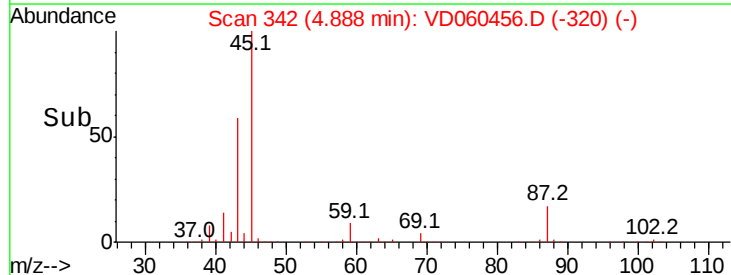
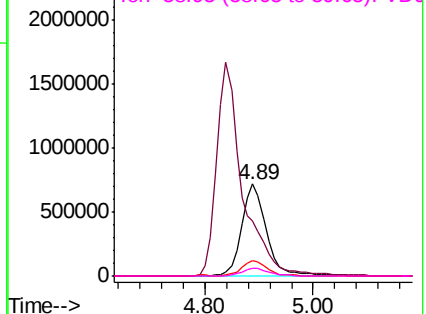
43 59.3 44.9 67.3

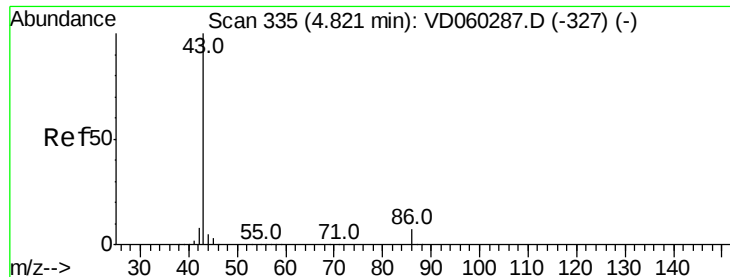
87 17.3 13.9 20.9

59 9.1 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

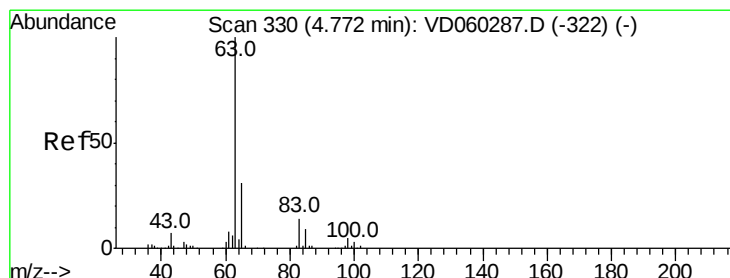
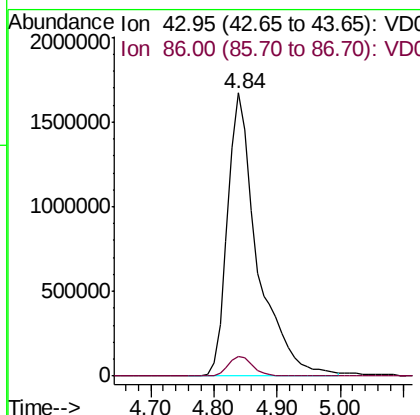
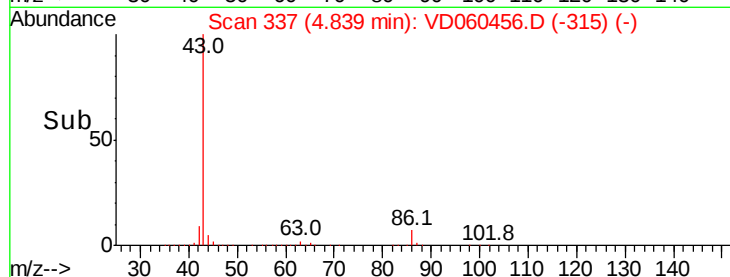
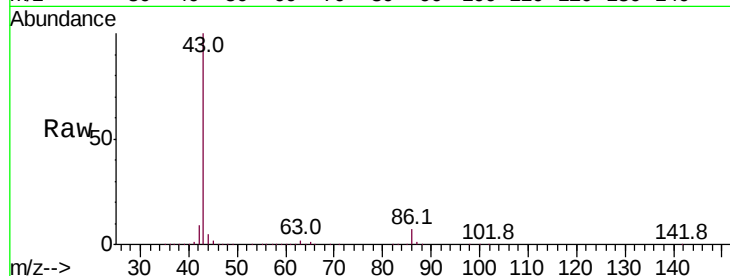




#23
 Vinyl Acetate
 Concen: 242.657 ug/l
 RT: 4.84 min Scan# 337
 Delta R.T. 0.02 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

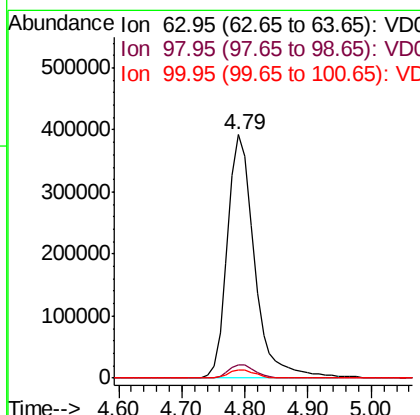
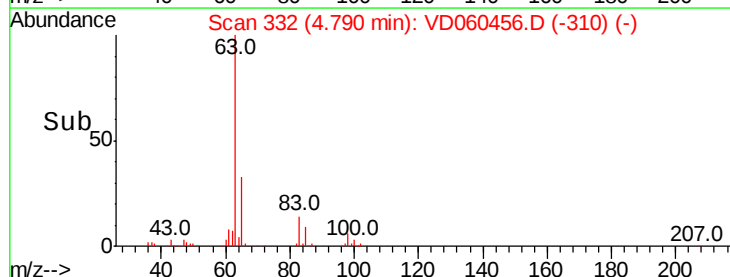
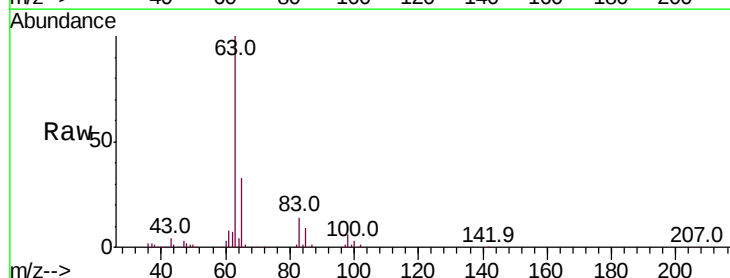
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

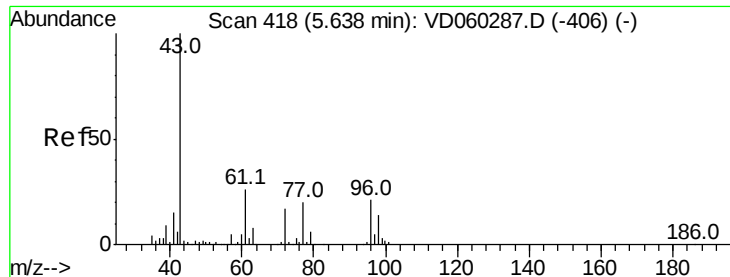
Tot Ion: 43 Resp: 5500112
 Ion Ratio Lower Upper
 43 100
 86 6.8 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 50.001 ug/l
 RT: 4.79 min Scan# 332
 Delta R.T. 0.02 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

Tgt Ion: 63 Resp: 1167978
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.8 8.4
 100 3.4 1.8 5.5





#25

2-Butanone

Concen: 233.659 ug/l

RT: 5.66 min Scan# 420

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

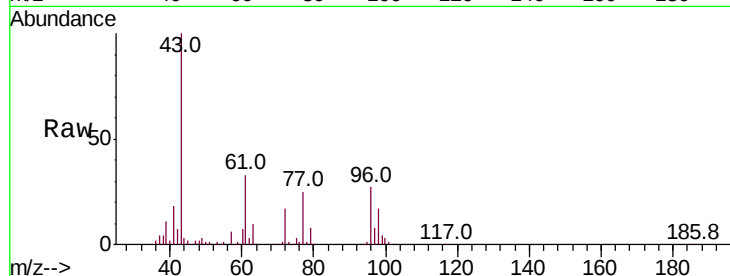
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

Tot Ion: 43 Resp: 787779

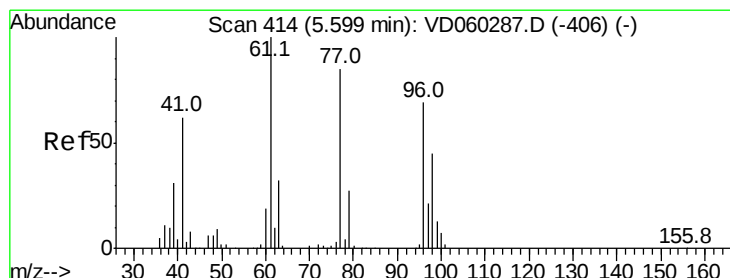
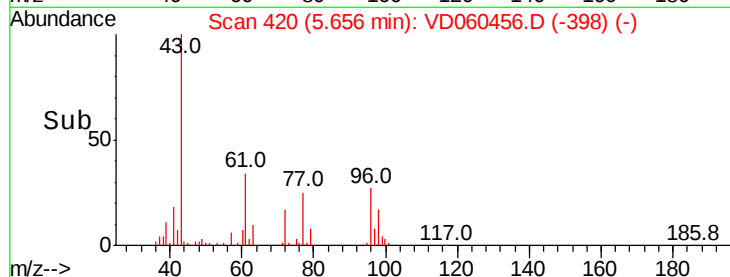
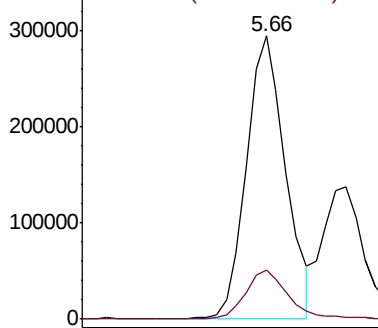
Ion Ratio Lower Upper

43 100

72 17.2 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: 52.284 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060456.D

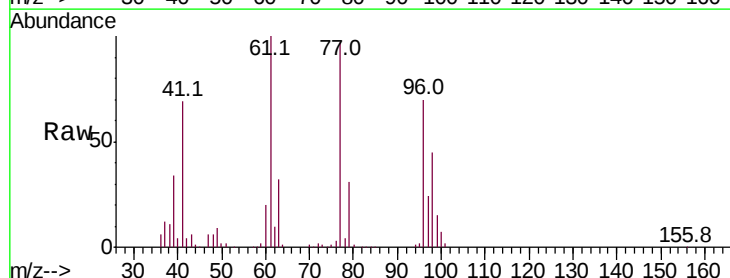
Acq: 26 Nov 2018 15:44

Tgt Ion: 77 Resp: 949530

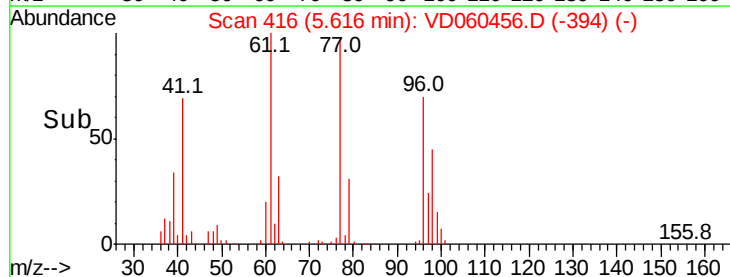
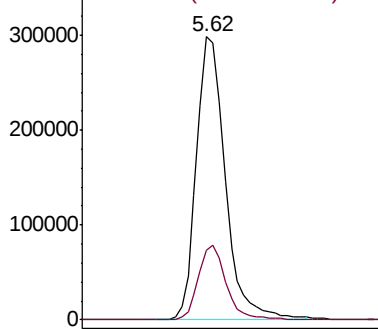
Ion Ratio Lower Upper

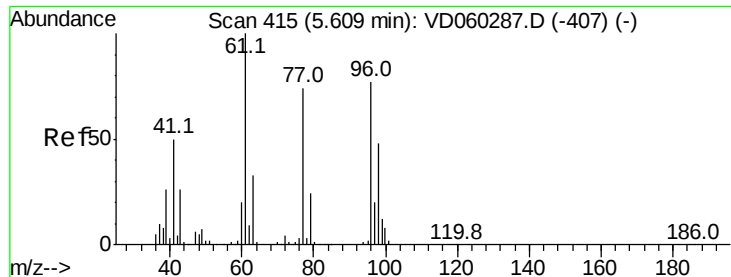
77 100

97 24.4 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



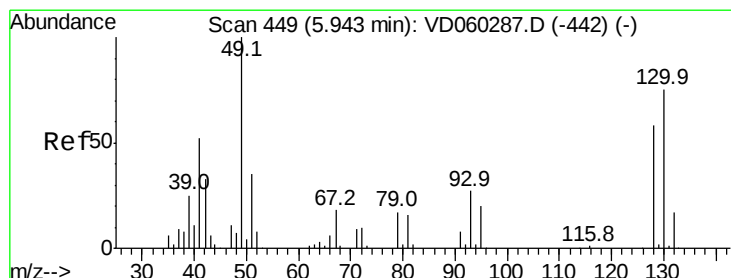
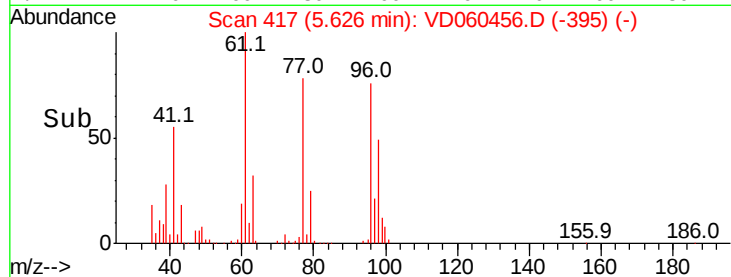
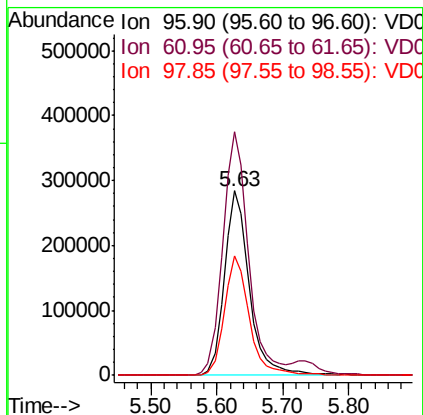
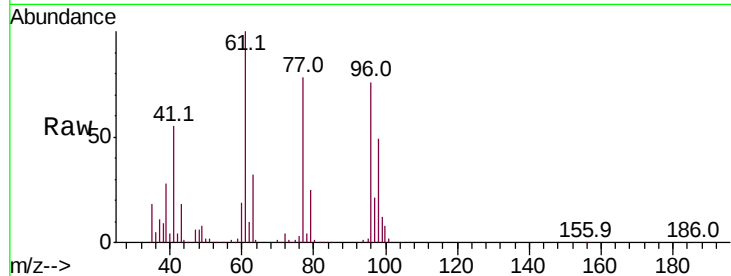


#27

cis-1,2-Dichloroethene
Concen: 51.188 ug/l
RT: 5.63 min Scan# 417
Delta R.T. 0.02 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

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

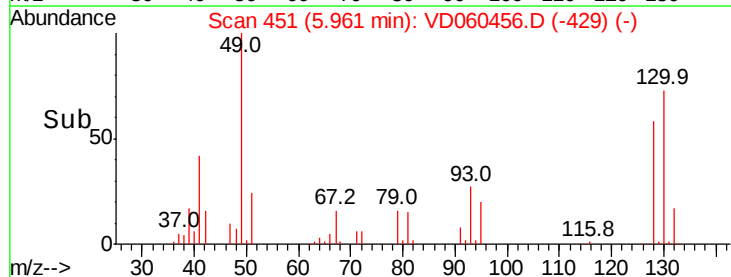
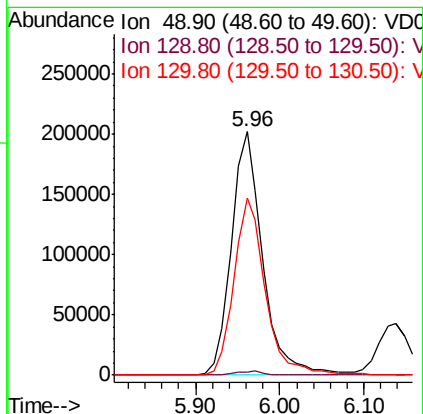
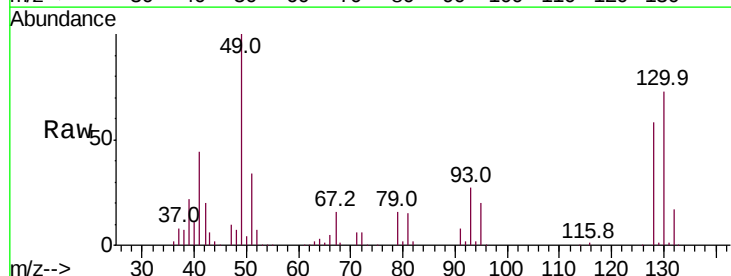
Tot Ion: 96 Resp: 754507
Ion Ratio Lower Upper
96 100
61 132.0 0.0 259.0
98 64.6 0.0 128.8

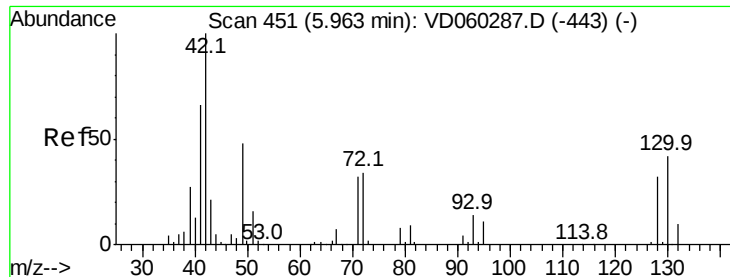


#28

Bromochloromethane
Concen: 50.437 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.02 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

Tgt Ion: 49 Resp: 519844
Ion Ratio Lower Upper
49 100
129 1.4 0.0 2.8
130 72.9 53.6 80.4





#29

Tetrahydrofuran

Concen: 224.909 ug/l

RT: 5.99 min Scan# 454

Delta R.T. 0.03 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

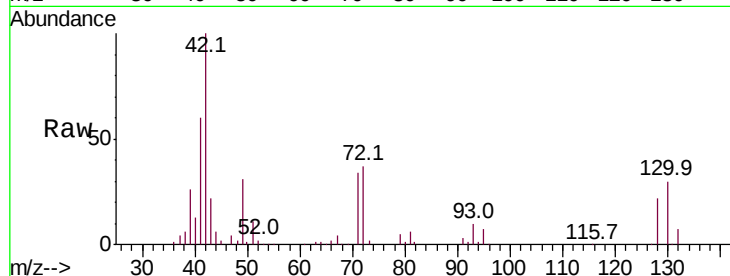
Tot Ion: 42 Resp: 399785

Ion Ratio Lower Upper

42 100

72 35.4 27.6 41.4

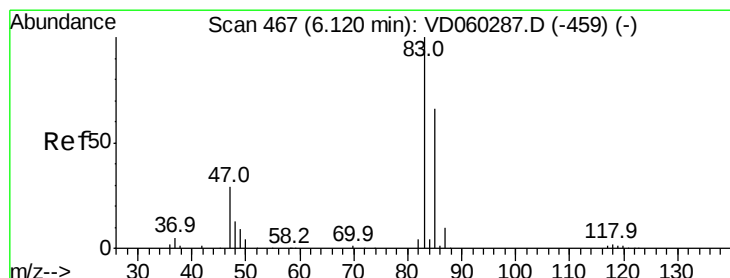
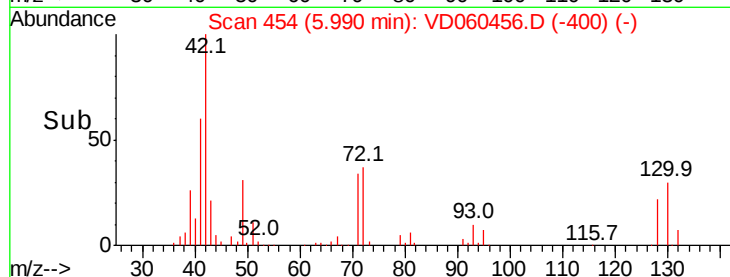
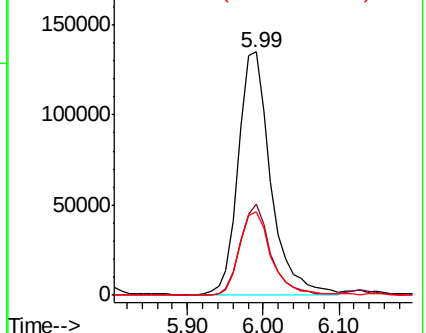
71 34.1 26.5 39.7



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: 50.713 ug/l

RT: 6.14 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD060456.D

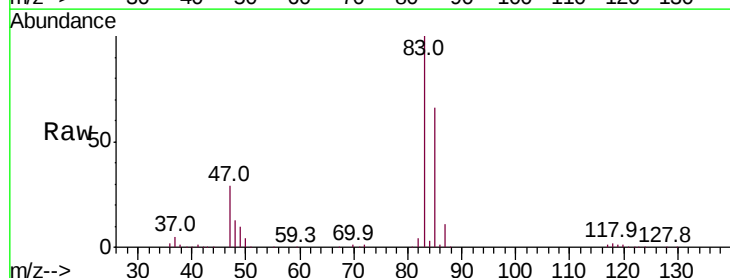
Acq: 26 Nov 2018 15:44

Tgt Ion: 83 Resp: 1184273

Ion Ratio Lower Upper

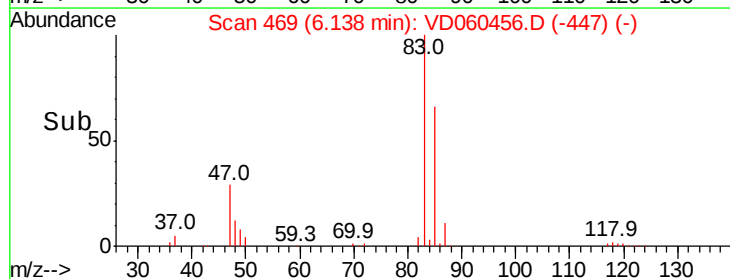
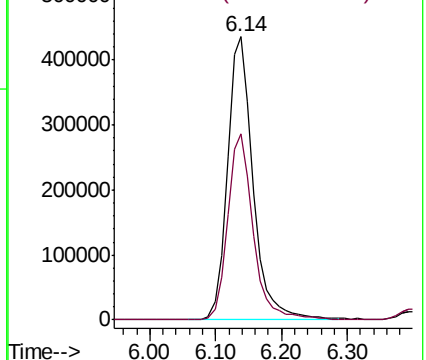
83 100

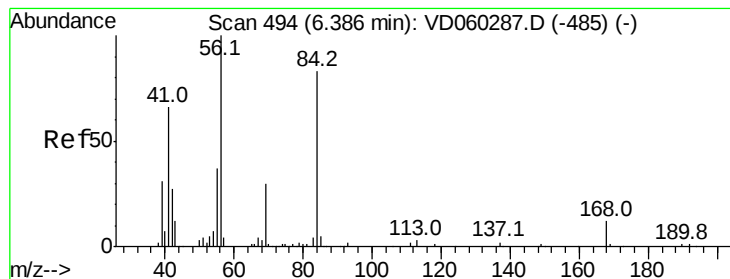
85 65.7 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 43.344 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

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

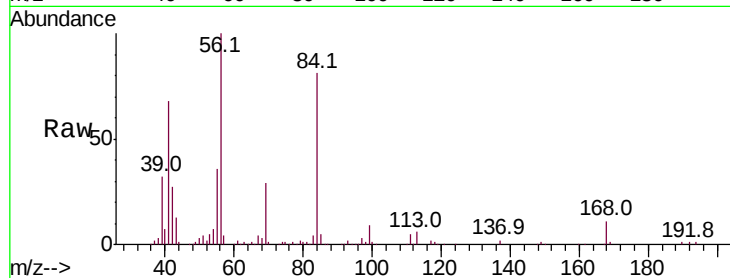
Tot Ion: 56 Resp: 967719

Ion Ratio Lower Upper

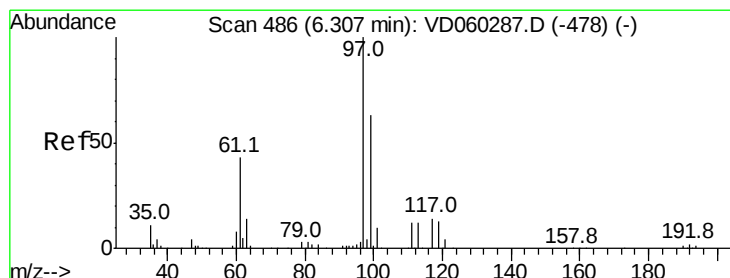
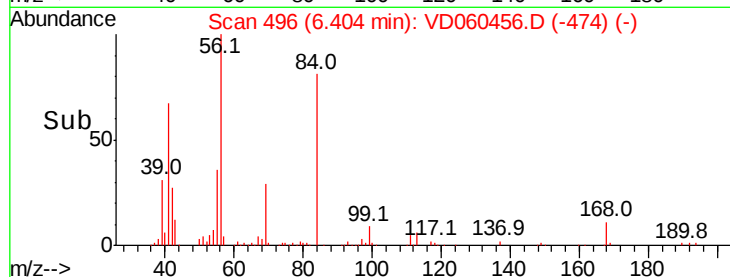
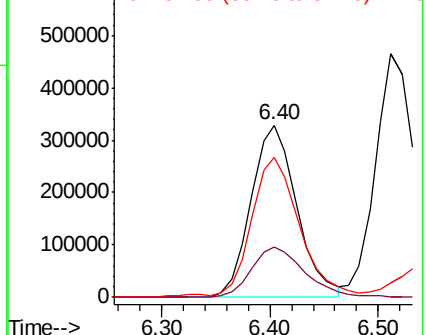
56 100

69 29.1 22.2 33.2

84 81.2 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: 50.479 ug/l

RT: 6.32 min Scan# 488

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

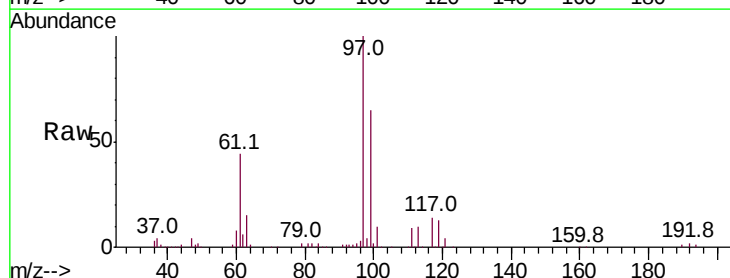
Tgt Ion: 97 Resp: 992952

Ion Ratio Lower Upper

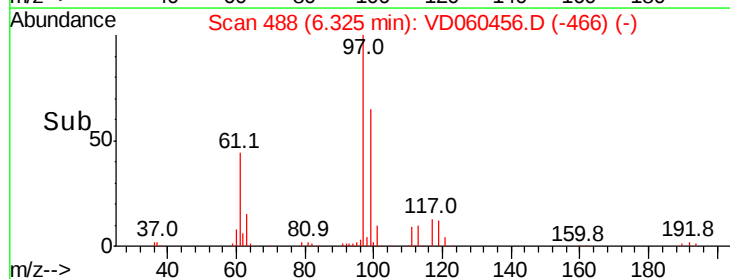
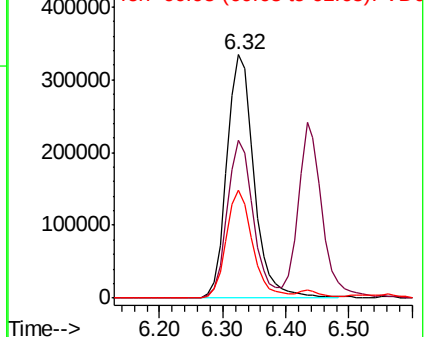
97 100

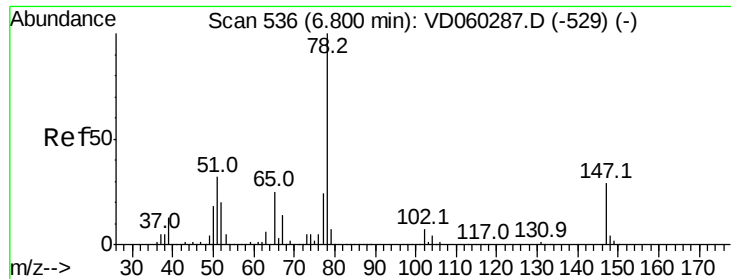
99 64.9 51.5 77.3

61 44.1 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: 50.479 ug/l

RT: 6.82 min Scan# 538

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

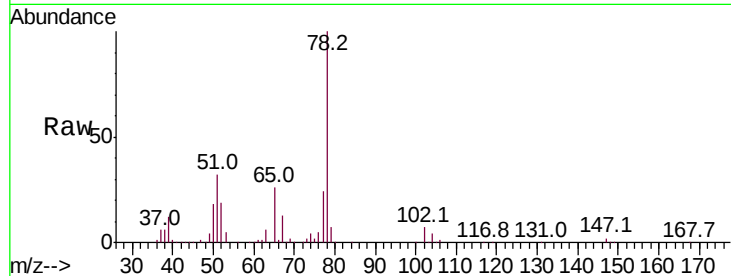
FDSB-05(25-27)MS

Tot Ion: 65 Resp: 432527

Ion Ratio Lower Upper

65 100

67 48.7 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

100000

50000

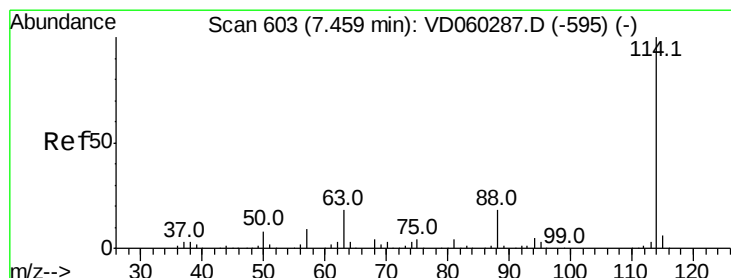
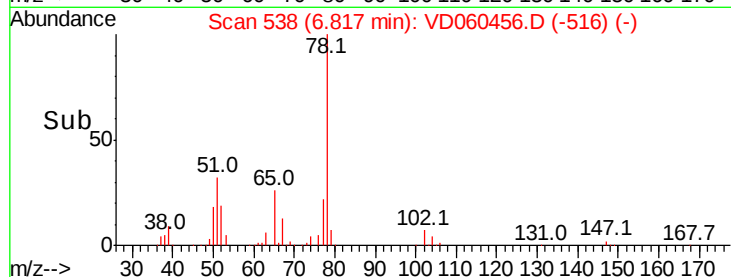
0

6.70

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.48 min Scan# 605

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

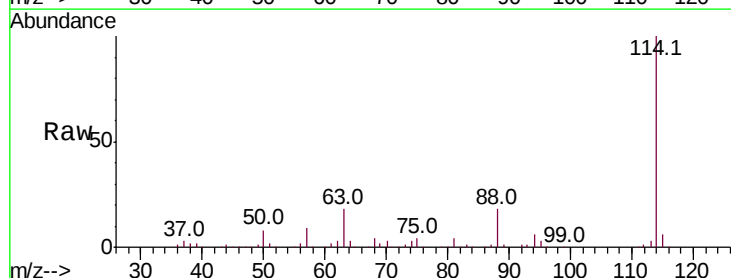
Tgt Ion: 114 Resp: 1738629

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

1000000

800000

600000

400000

200000

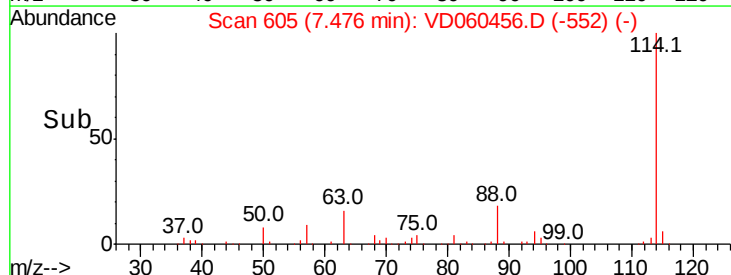
0

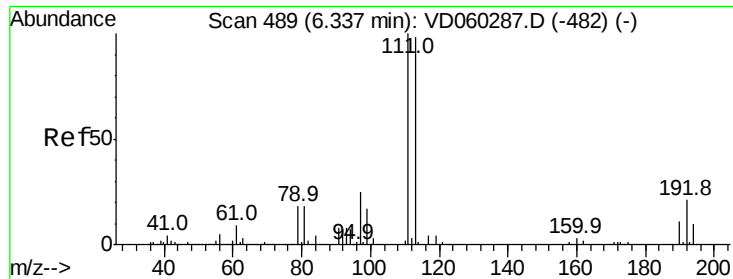
7.40

7.60

7.80

Time-->

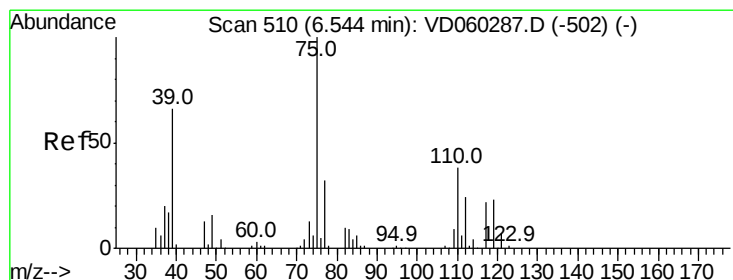
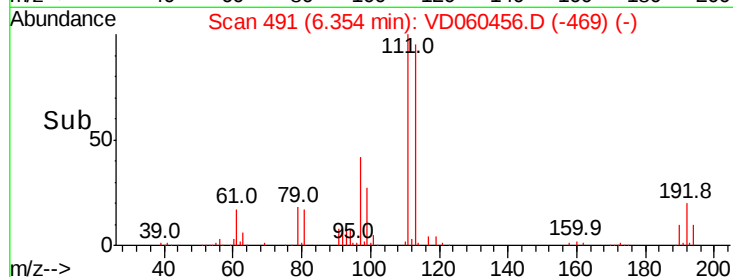
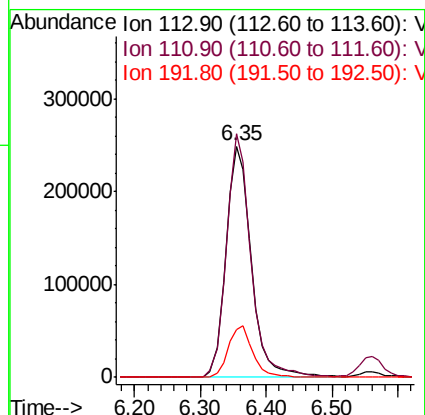
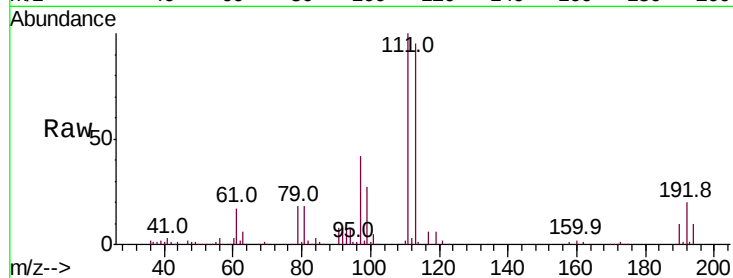




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.35 min Scan# 491
 Delta R.T. 0.02 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

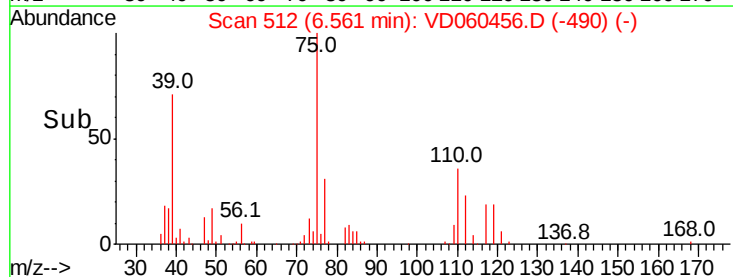
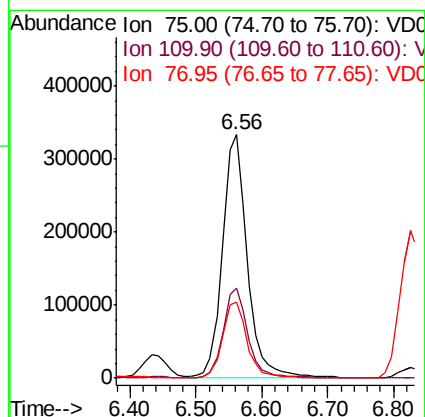
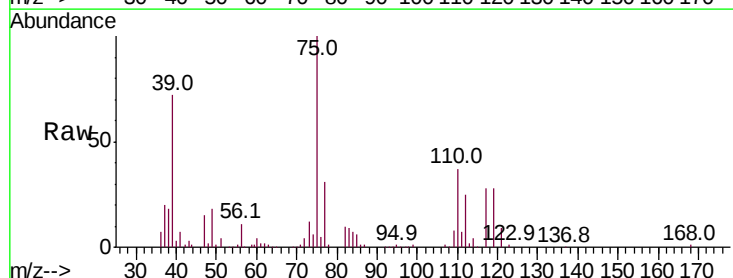
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

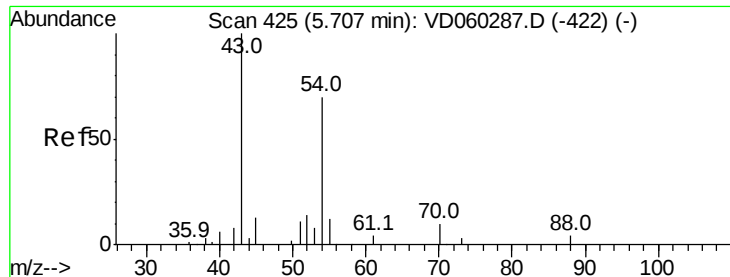
Tot Ion:113 Resp: 671980
 Ion Ratio Lower Upper
 113 100
 111 105.2 81.6 122.4
 192 20.8 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 50.337 ug/l
 RT: 6.56 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

Tgt Ion: 75 Resp: 864640
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.0 54.0
 77 31.2 25.6 38.4

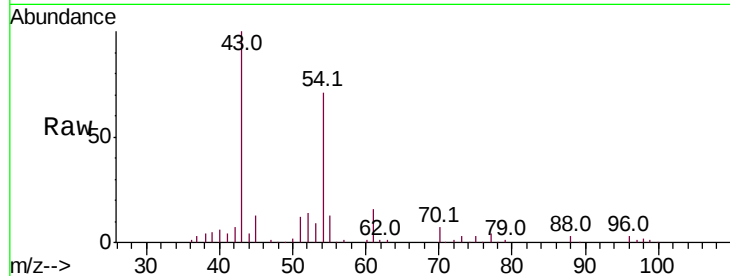




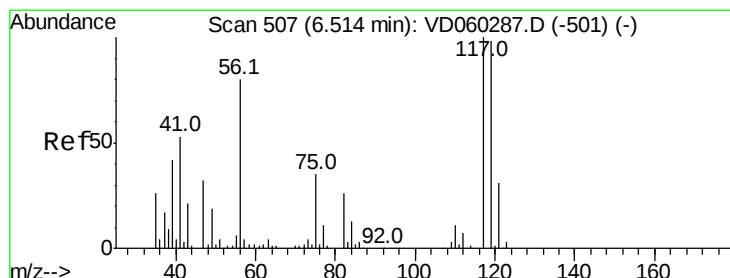
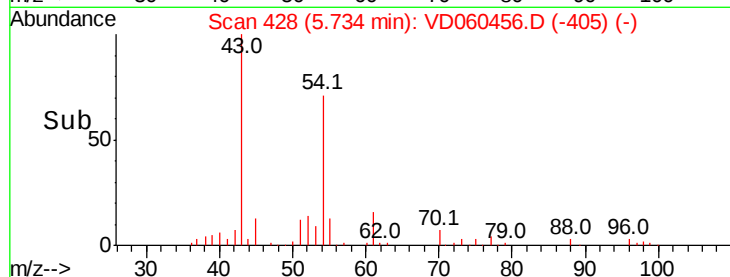
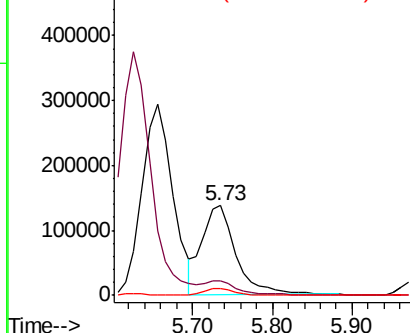
#37
Ethyl Acetate
Concen: 50.792 ug/l
RT: 5.73 min Scan# 428
Delta R.T. 0.03 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

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

Tot Ion: 43 Resp: 401466
Ion Ratio Lower Upper
43 100
61 15.8 11.8 17.6
70 7.4 6.2 9.4

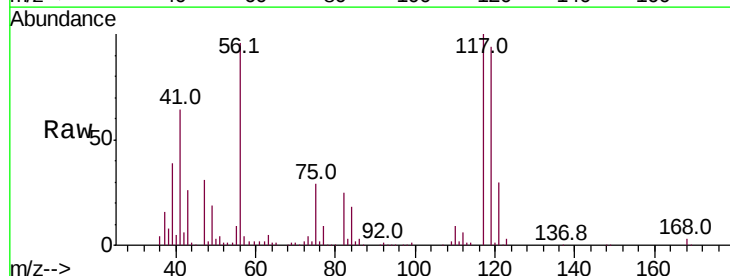


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

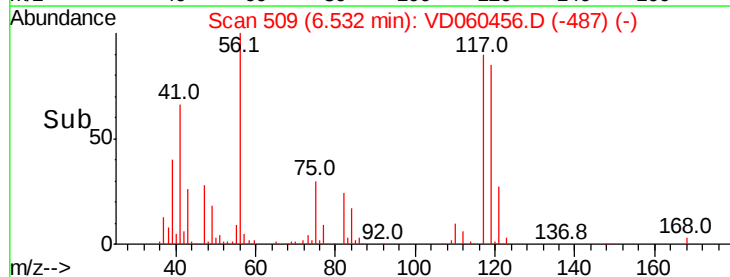
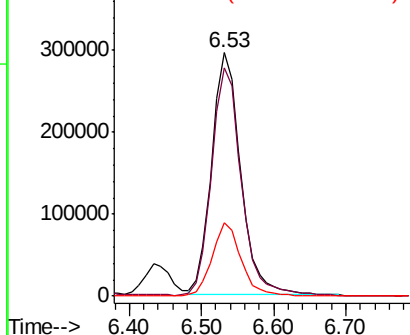


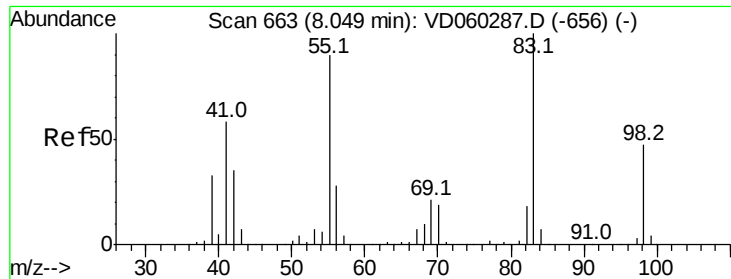
#38
Carbon Tetrachloride
Concen: 51.708 ug/l
RT: 6.53 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

Tgt Ion: 117 Resp: 823912
Ion Ratio Lower Upper
117 100
119 93.9 76.6 115.0
121 30.0 24.3 36.5



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

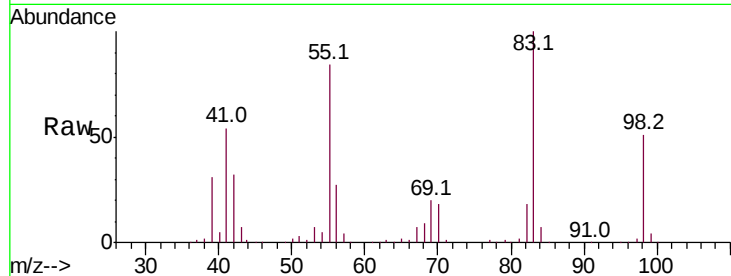




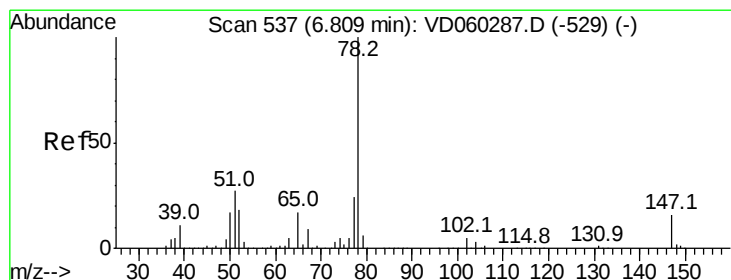
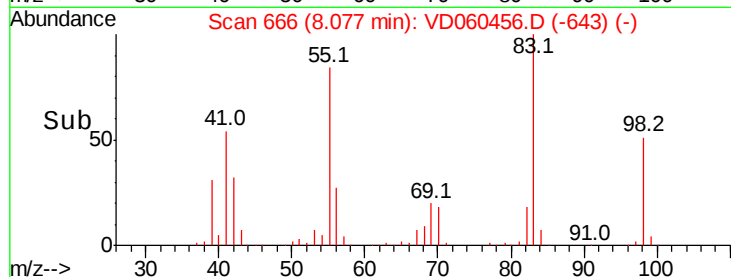
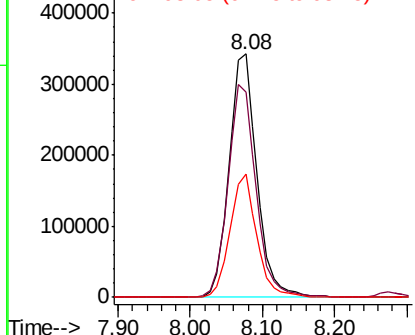
#39
Methvlcvclohexane
Concen: 46.516 ug/l
RT: 8.08 min Scan# 666
Delta R.T. 0.03 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

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

Tot Ion: 83 Resp: 918967
Ion Ratio Lower Upper
83 100
55 84.2 71.2 106.8
98 50.6 38.4 57.6

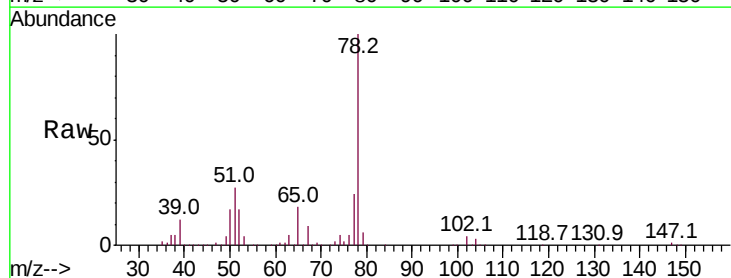


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

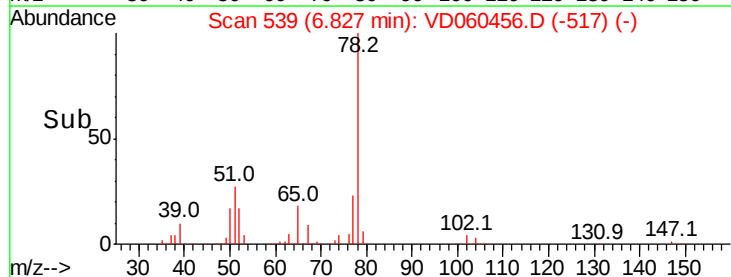
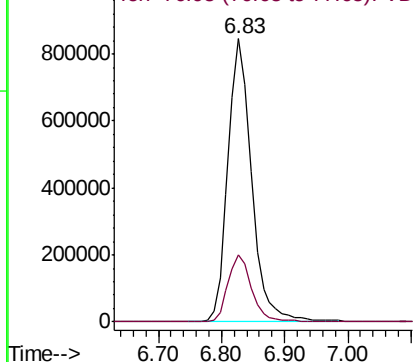


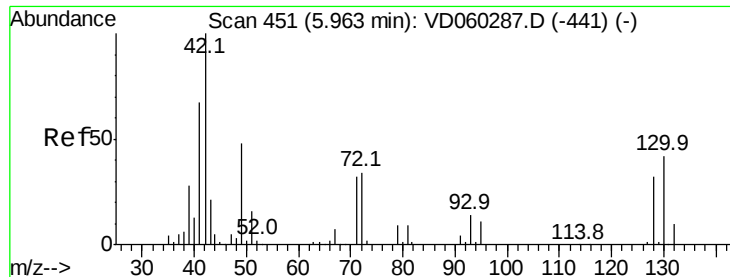
#40
Benzene
Concen: 50.110 ug/l
RT: 6.83 min Scan# 539
Delta R.T. 0.02 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

Tgt Ion: 78 Resp: 2197128
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

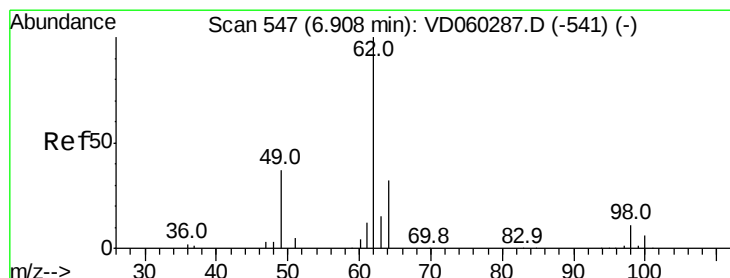
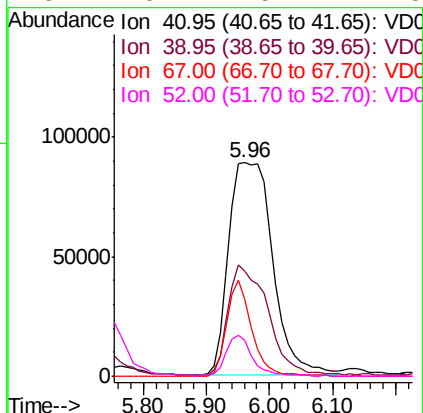
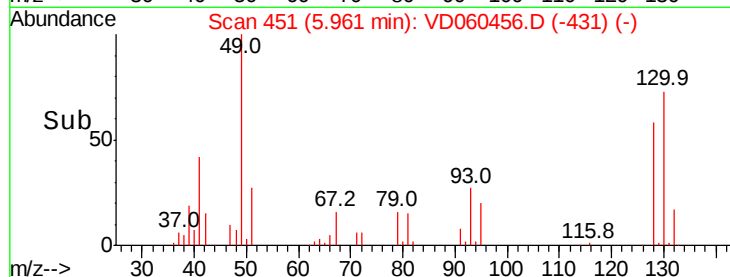
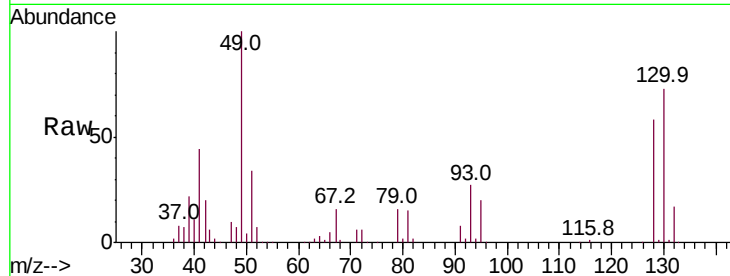




#41
Methacrylonitrile
Concen: 47.725 ug/l
RT: 5.96 min Scan# 451
Delta R.T. -0.00 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

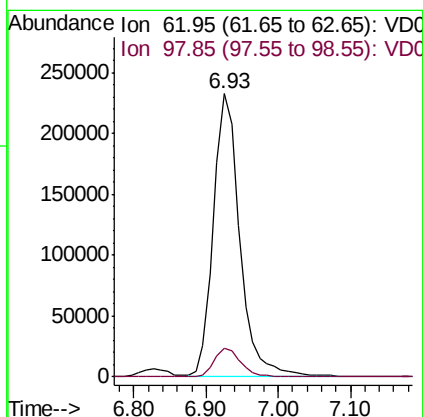
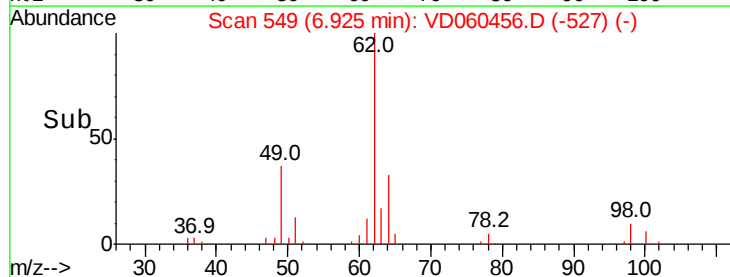
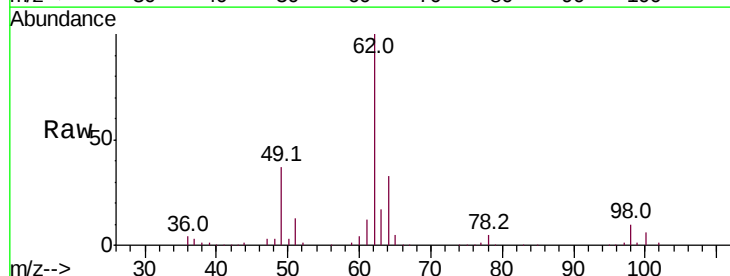
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

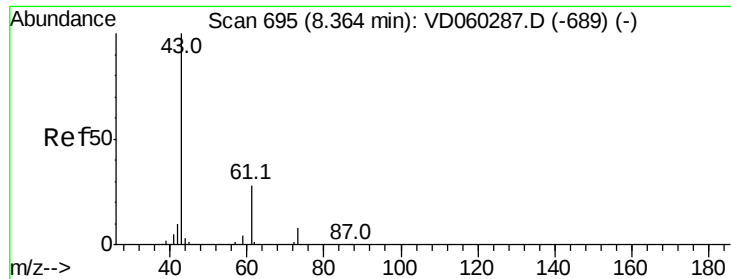
Tot Ion: 41 Resp: 431755
Ion Ratio Lower Upper
41 100
39 48.9 36.2 54.2
67 35.8 11.9 17.9#
52 16.7 5.2 7.8#



#42
1,2-Dichloroethane
Concen: 51.049 ug/l
RT: 6.93 min Scan# 549
Delta R.T. 0.02 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

Tgt Ion: 62 Resp: 585859
Ion Ratio Lower Upper
62 100
98 10.2 0.0 22.0





#43

Isopropyl Acetate

Concen: 49.830 ug/l

RT: 8.38 min Scan# 697

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

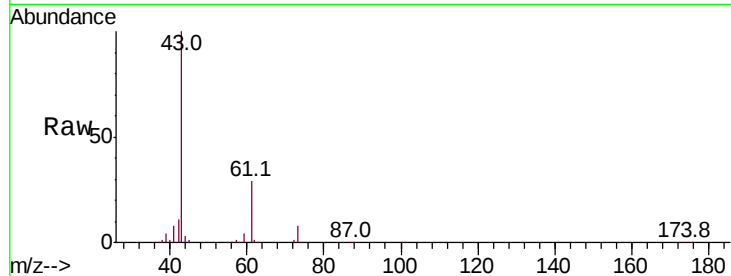
Tot Ion: 43 Resp: 494738

Ion Ratio Lower Upper

43 100

61 28.9 22.3 33.5

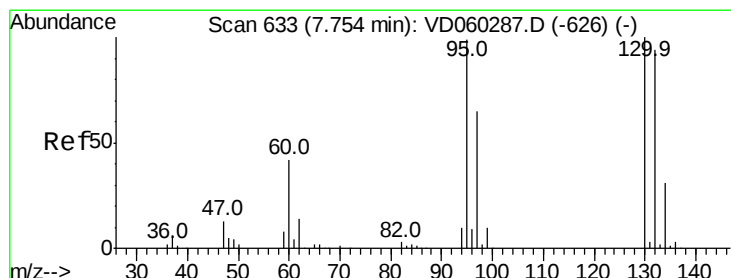
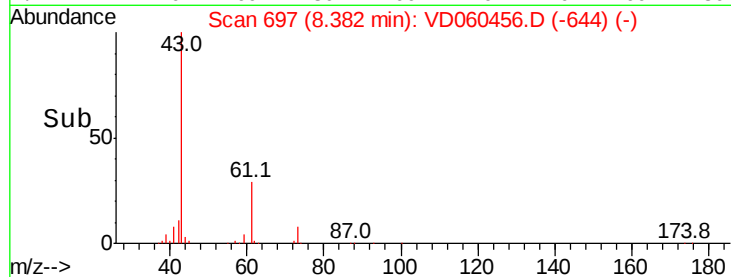
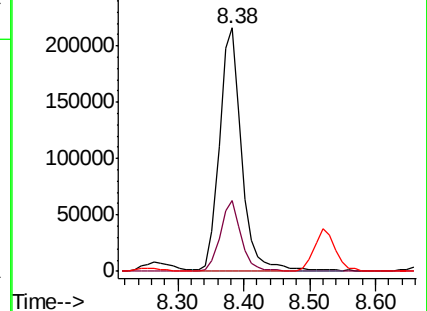
87 0.3 0.2 0.2#



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: 52.476 ug/l

RT: 7.77 min Scan# 635

Delta R.T. 0.02 min

Lab File: VD060456.D

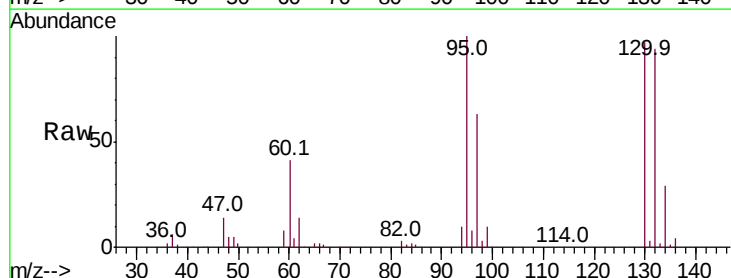
Acq: 26 Nov 2018 15:44

Tgt Ion:130 Resp: 697469

Ion Ratio Lower Upper

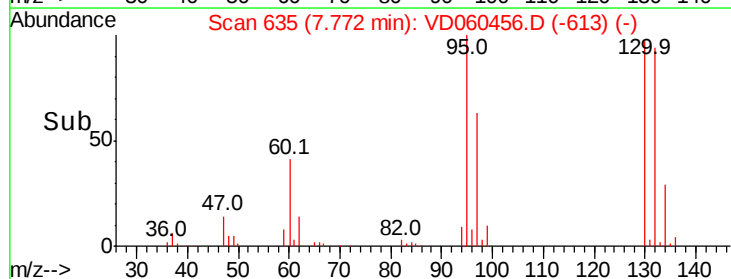
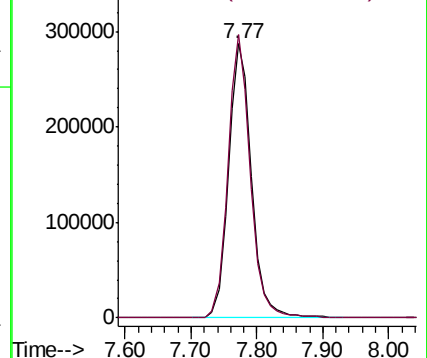
130 100

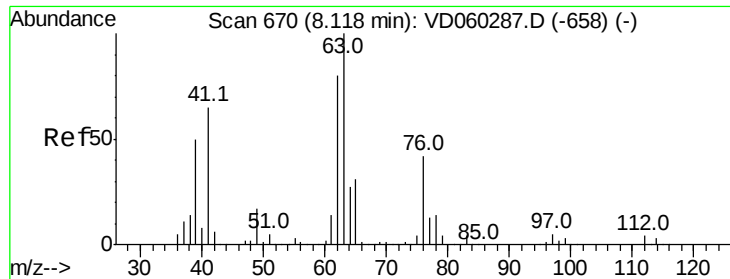
95 103.3 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.800 ug/l

RT: 8.14 min Scan# 672

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

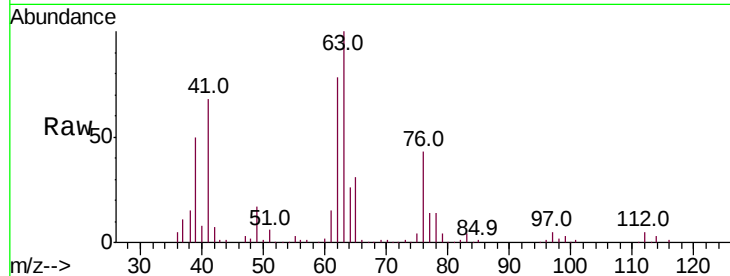
FDSB-05(25-27)MS

Tot Ion: 63 Resp: 583867

Ion Ratio Lower Upper

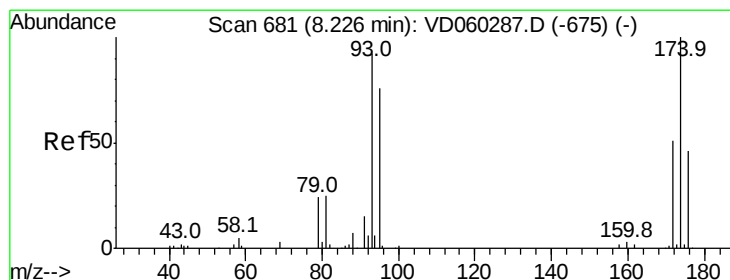
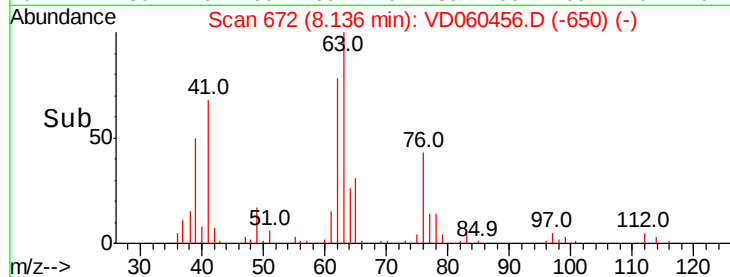
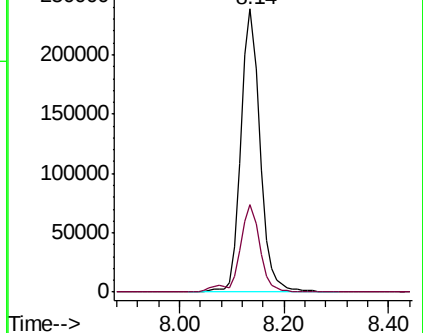
63 100

65 30.8 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 51.074 ug/l

RT: 8.24 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

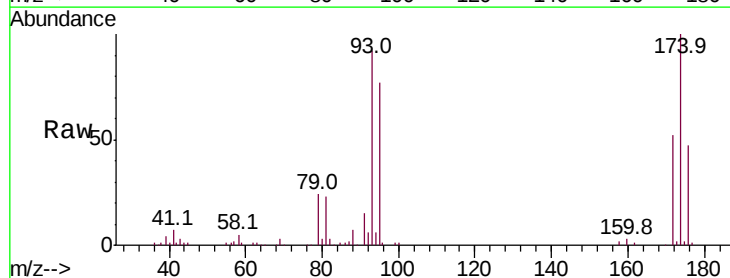
Tgt Ion: 93 Resp: 330778

Ion Ratio Lower Upper

93 100

95 84.0 66.4 99.6

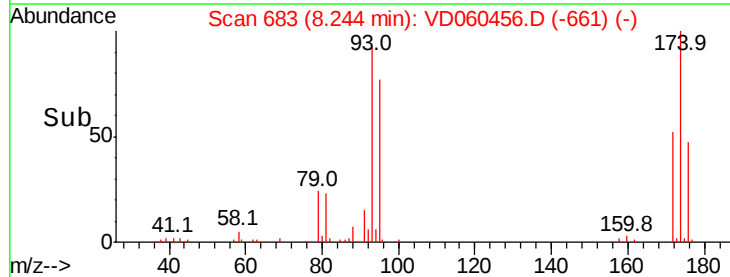
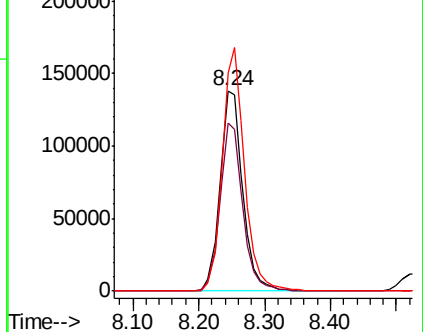
174 109.0 87.8 131.8

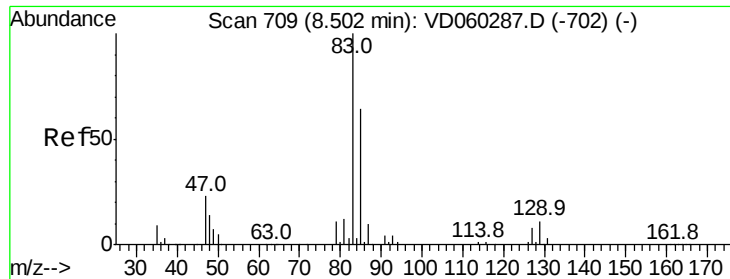


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 52.333 ug/l

RT: 8.52 min Scan# 711

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

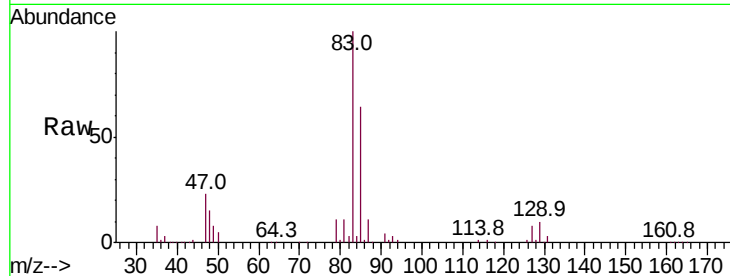
Tot Ion: 83 Resp: 798687

Ion Ratio Lower Upper

83 100

85 63.9 51.0 76.6

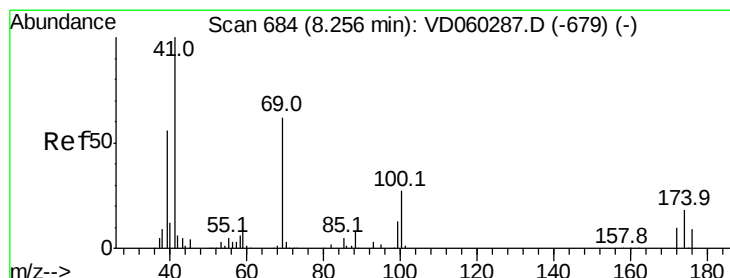
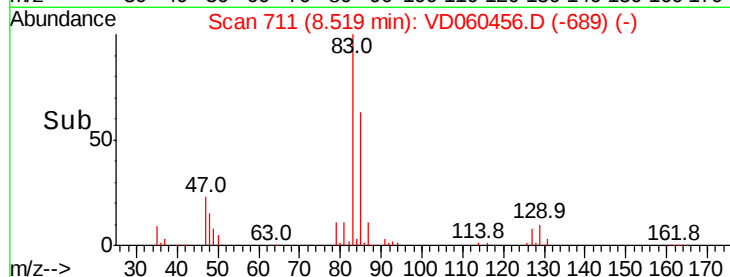
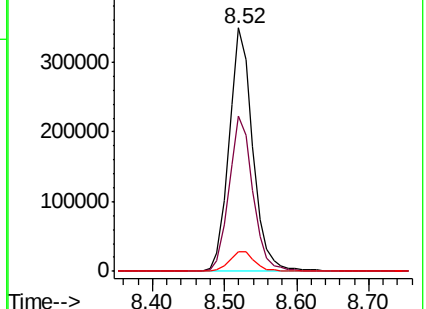
127 8.3 6.2 9.4



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: 51.281 ug/l

RT: 8.27 min Scan# 686

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

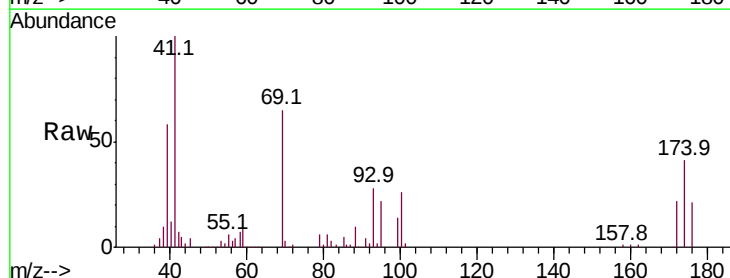
Tgt Ion: 41 Resp: 309266

Ion Ratio Lower Upper

41 100

69 64.8 47.0 70.4

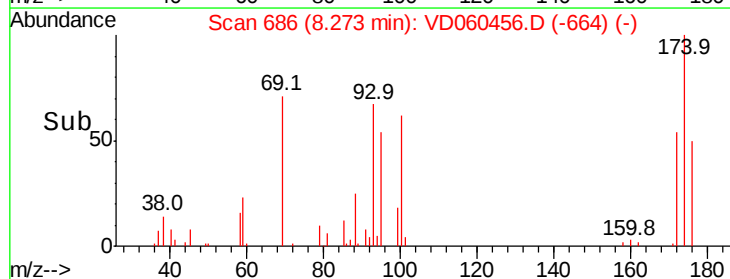
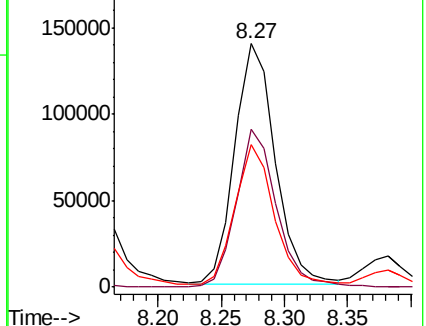
39 58.4 46.2 69.4

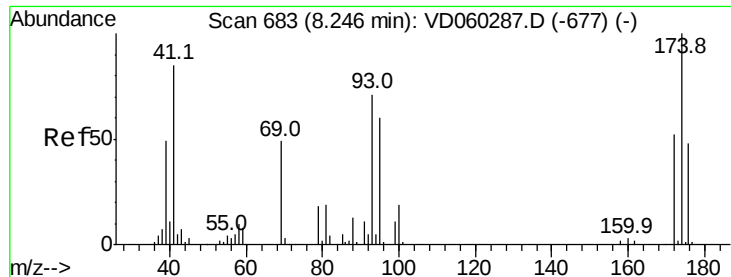


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1090.445 ug/l

RT: 8.26 min Scan# 685

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

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

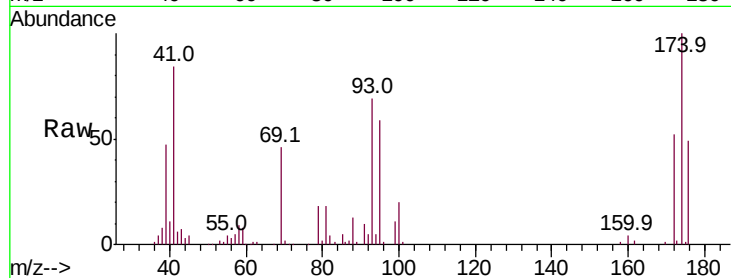
Tot Ion: 88 Resp: 56900

Ion Ratio Lower Upper

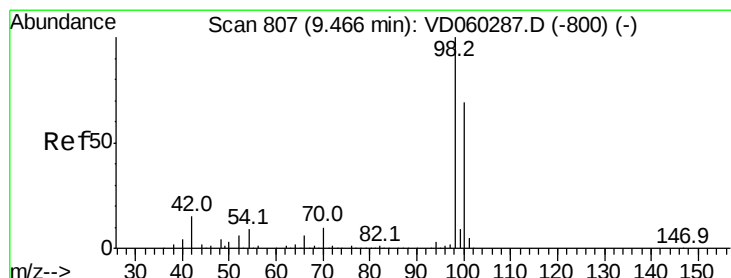
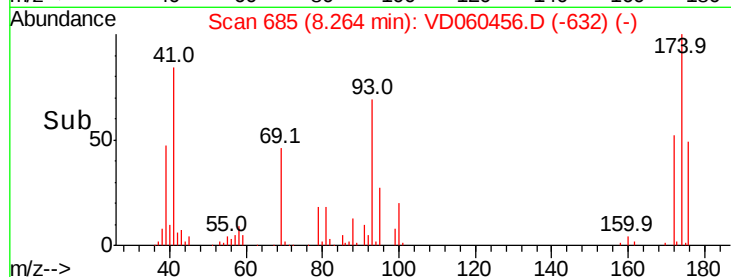
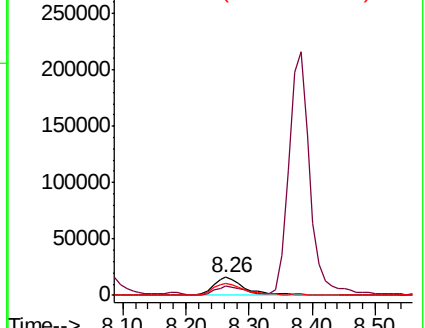
88 100

43 51.7 39.7 59.5

58 65.4 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: 1090.445 ug/l

RT: 9.48 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD060456.D

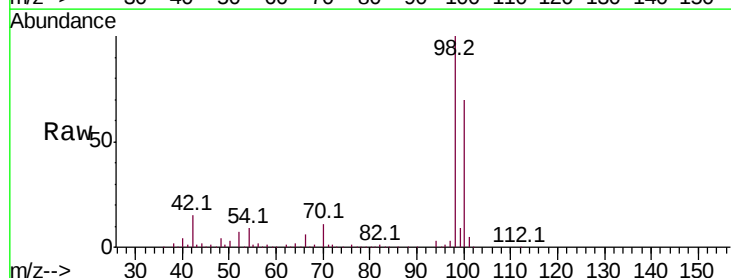
Acq: 26 Nov 2018 15:44

Tgt Ion: 98 Resp: 1851159

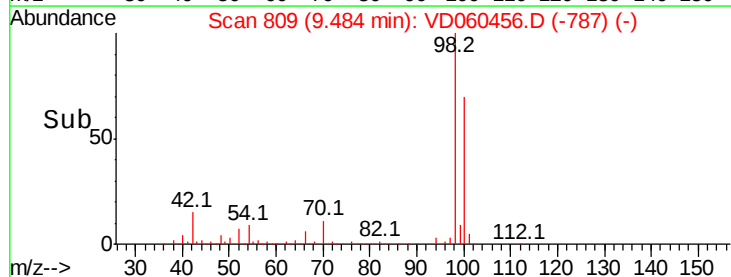
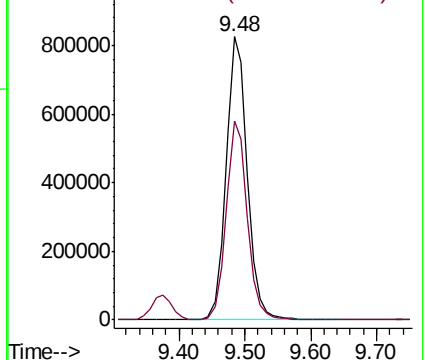
Ion Ratio Lower Upper

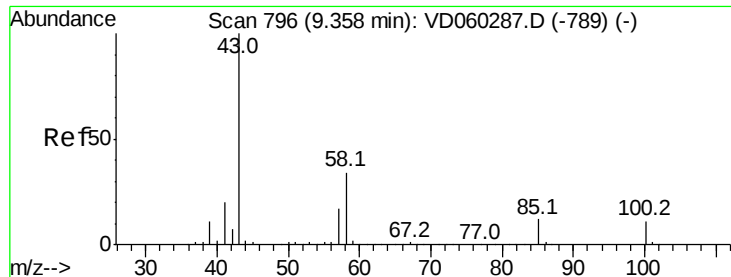
98 100

100 70.3 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: 241.547 ug/l

RT: 9.38 min Scan# 798

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

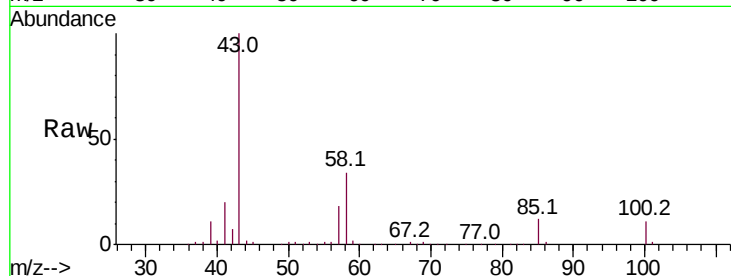
FDSB-05(25-27)MS

Tot Ion: 43 Resp: 1560903

Ion Ratio Lower Upper

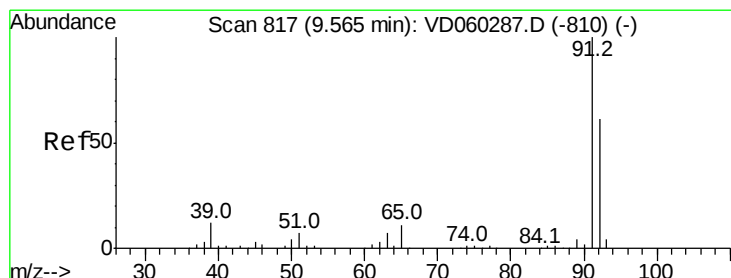
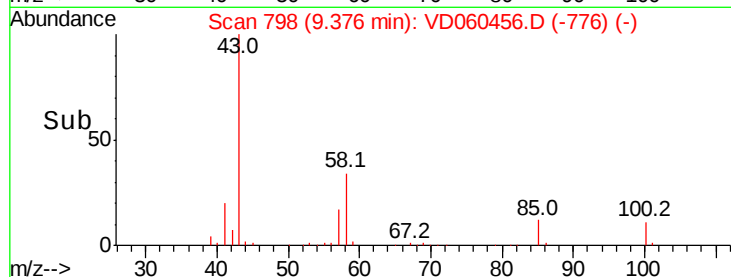
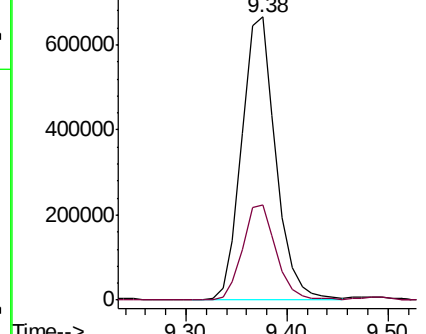
43 100

58 33.8 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: 51.187 ug/l

RT: 9.58 min Scan# 819

Delta R.T. 0.02 min

Lab File: VD060456.D

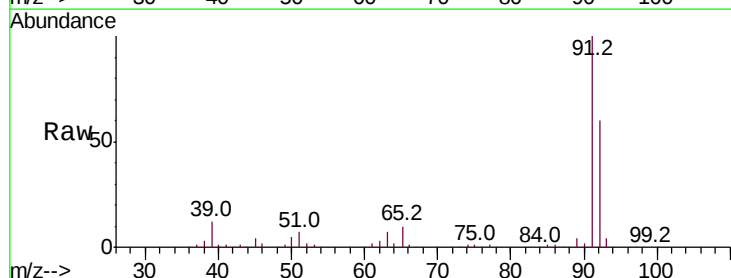
Acq: 26 Nov 2018 15:44

Tgt Ion: 92 Resp: 1433634

Ion Ratio Lower Upper

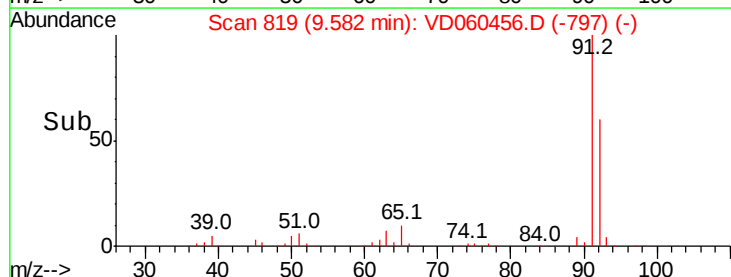
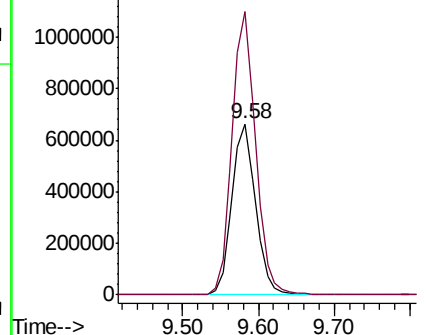
92 100

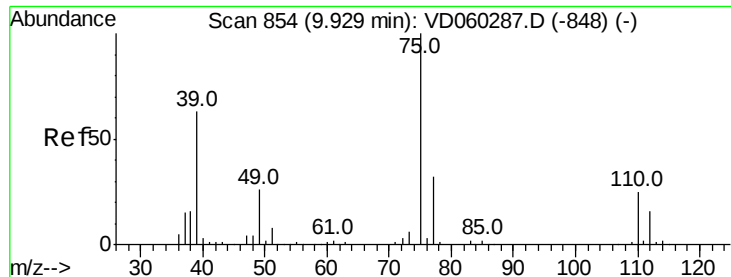
91 165.5 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

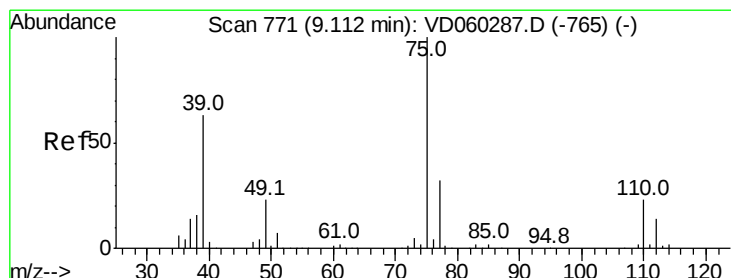
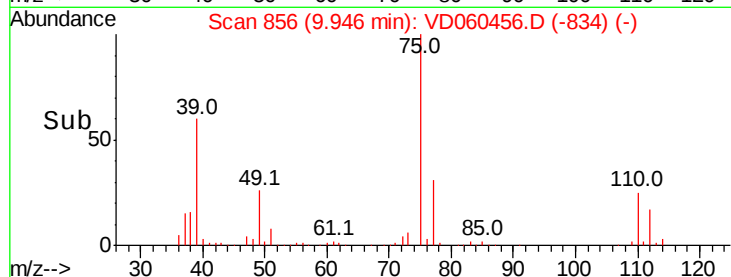
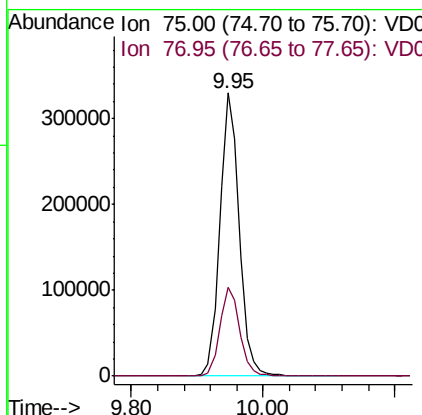
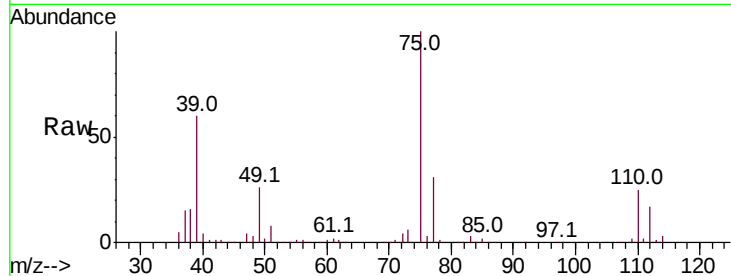




#53
 t-1,3-Dichloropropene
 Concen: 52.156 ug/l
 RT: 9.95 min Scan# 856
 Delta R.T. 0.02 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

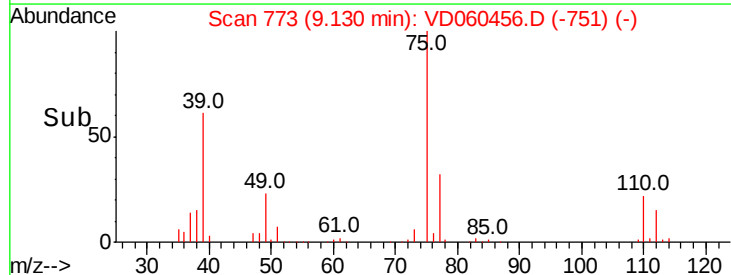
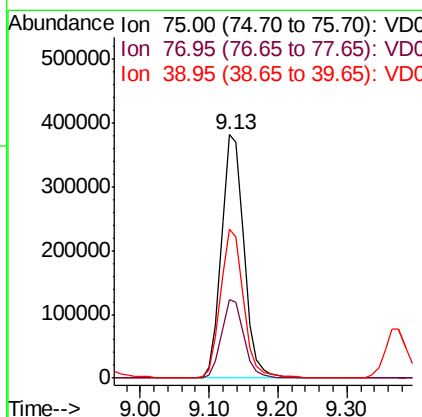
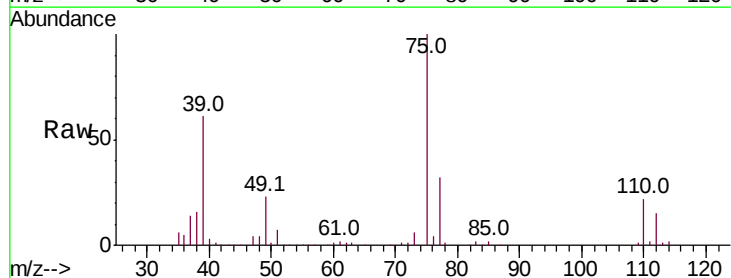
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

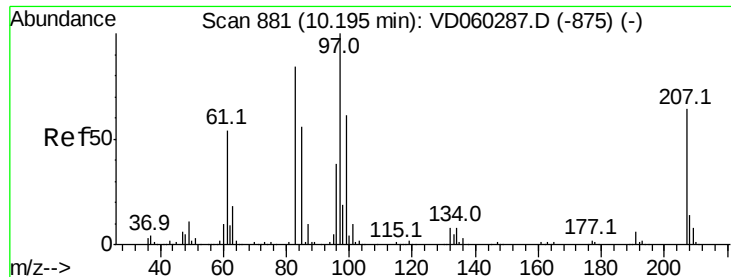
Tot Ion: 75 Resp: 672552
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 52.247 ug/l
 RT: 9.13 min Scan# 773
 Delta R.T. 0.02 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

Tgt Ion: 75 Resp: 864123
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.3 39.5
 39 61.0 50.8 76.2





#55

1,1,2-Trichloroethane

Concen: 48.809 ug/l

RT: 10.21 min Scan# 883

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

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

Tot Ion: 97 Resp: 396220

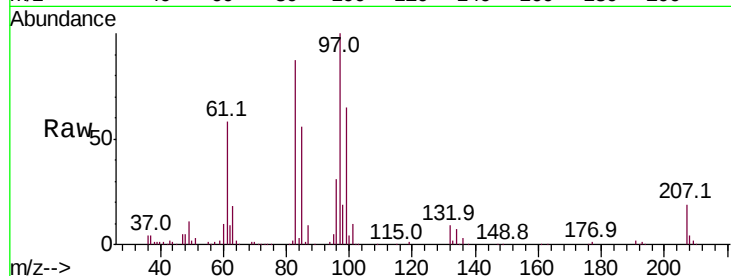
Ion Ratio Lower Upper

97 100

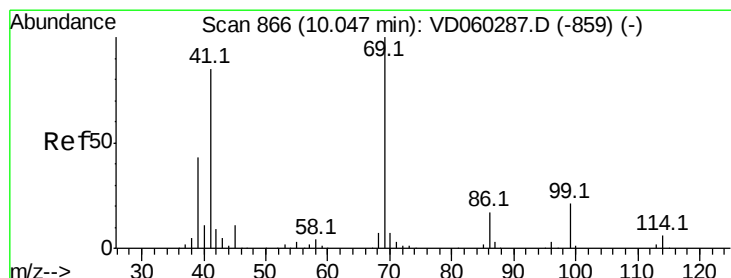
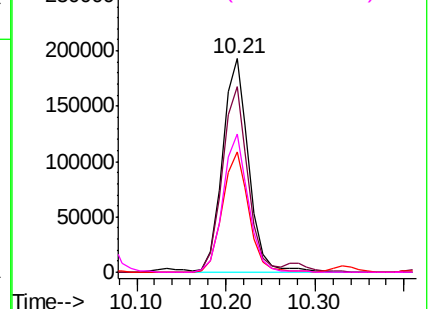
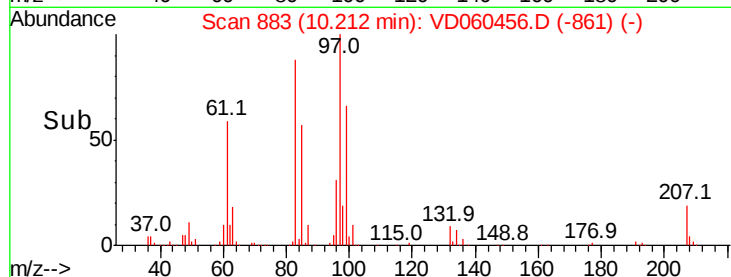
83 87.1 68.4 102.6

85 56.1 46.8 70.2

99 64.7 49.5 74.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 50.323 ug/l

RT: 10.06 min Scan# 868

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

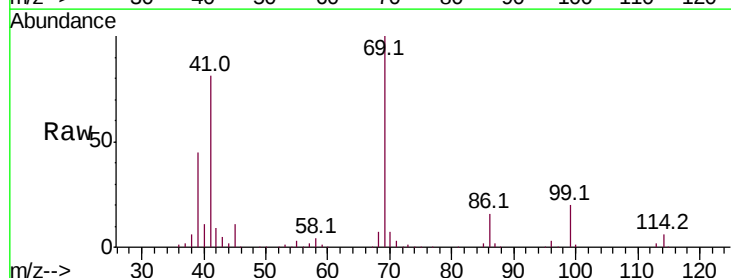
Tgt Ion: 69 Resp: 375606

Ion Ratio Lower Upper

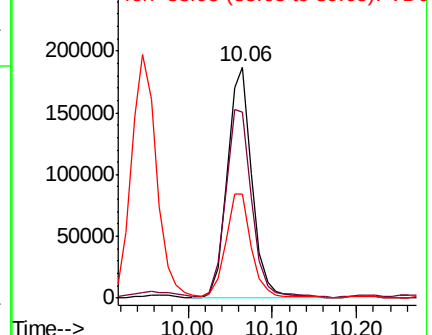
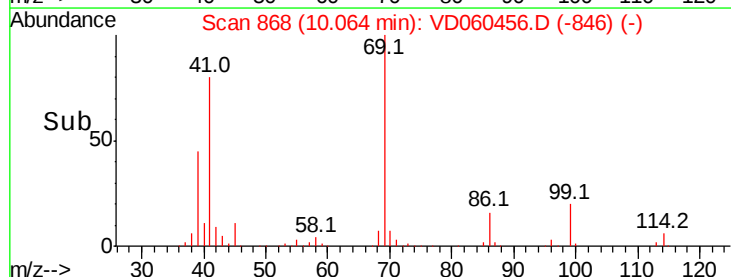
69 100

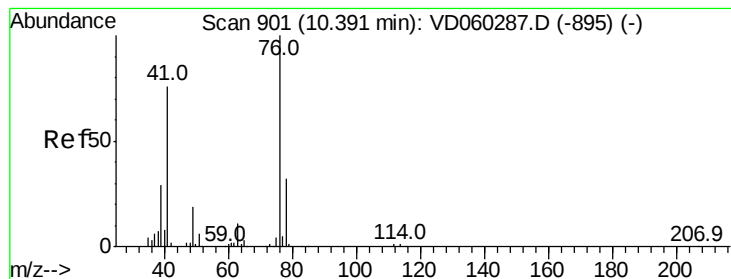
41 80.7 69.0 103.4

39 45.1 36.6 54.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 49.839 ug/l

RT: 10.41 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

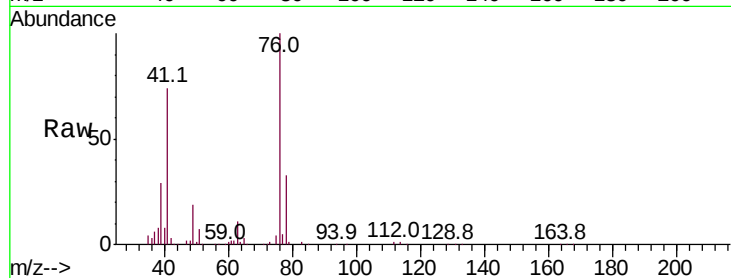
FDSB-05(25-27)MS

Tot Ion: 76 Resp: 616492

Ion Ratio Lower Upper

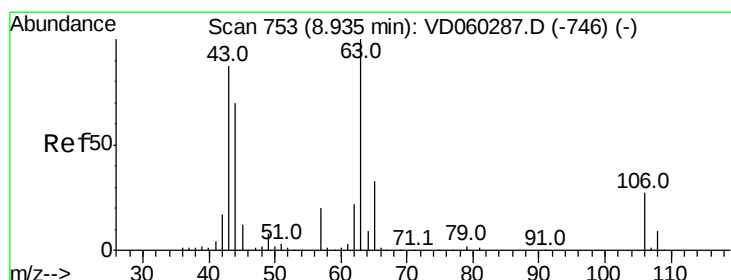
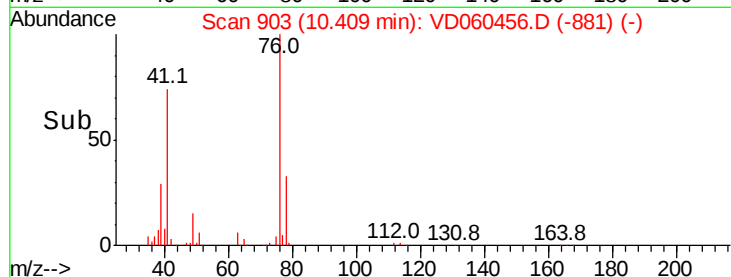
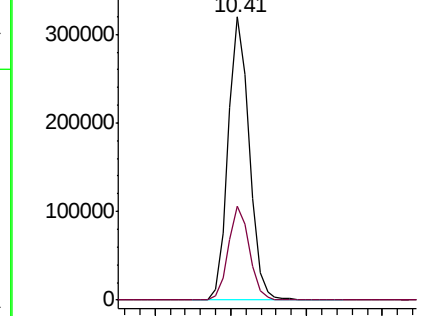
76 100

78 33.3 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 251.516 ug/l

RT: 8.95 min Scan# 755

Delta R.T. 0.02 min

Lab File: VD060456.D

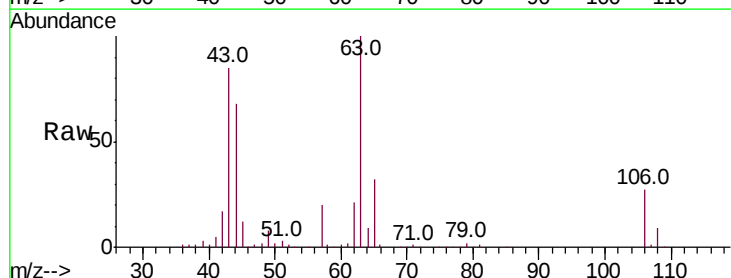
Acq: 26 Nov 2018 15:44

Tgt Ion: 63 Resp: 1135102

Ion Ratio Lower Upper

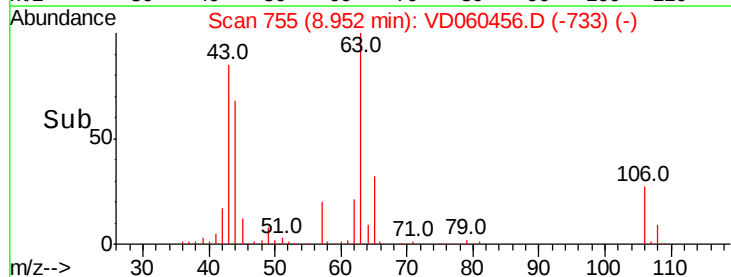
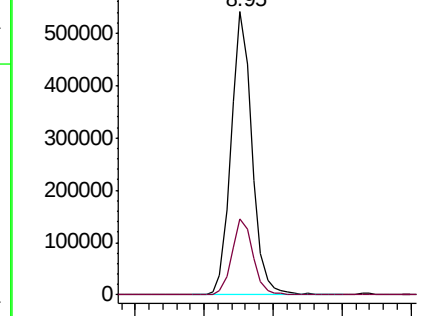
63 100

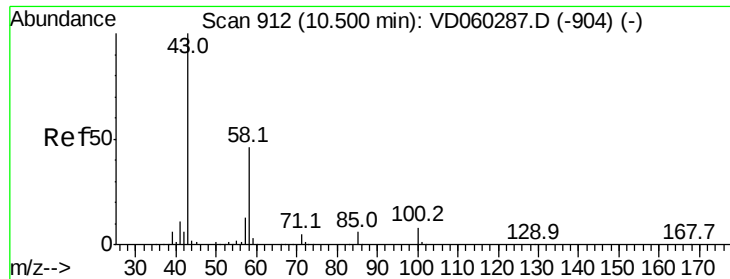
106 27.0 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

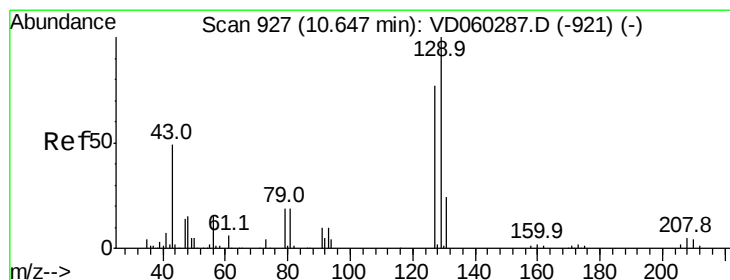
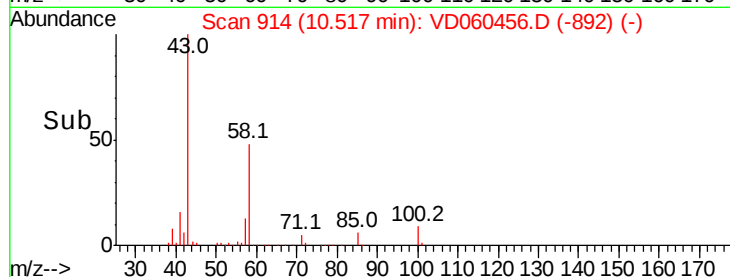
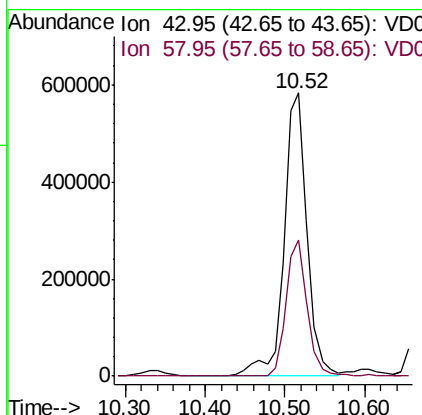
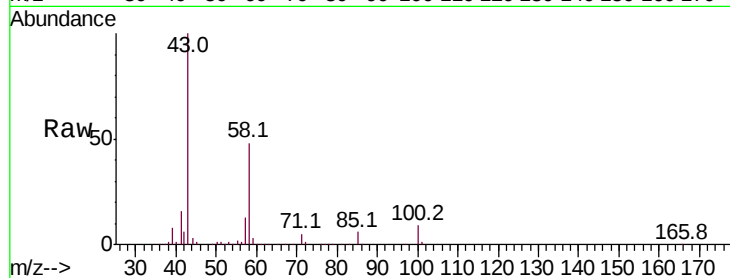




#59
2-Hexanone
Concen: 255.019 ug/l
RT: 10.52 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

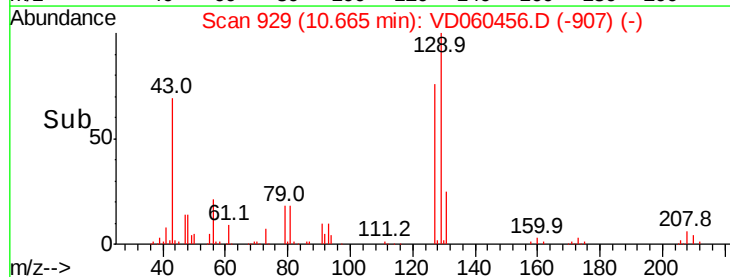
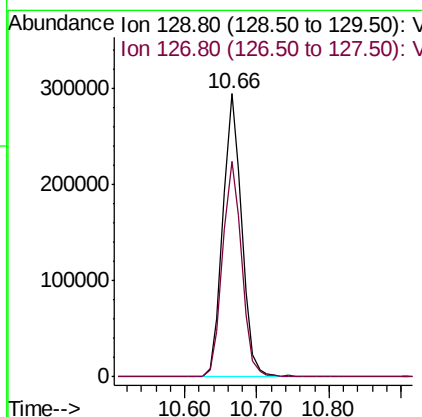
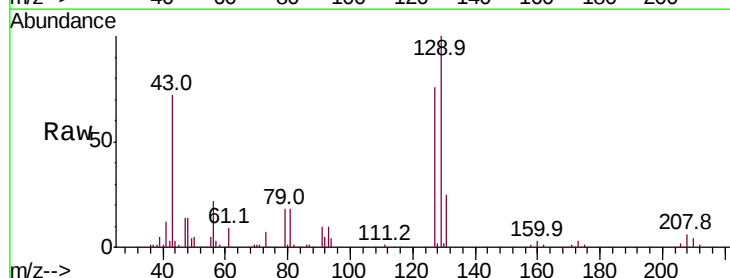
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

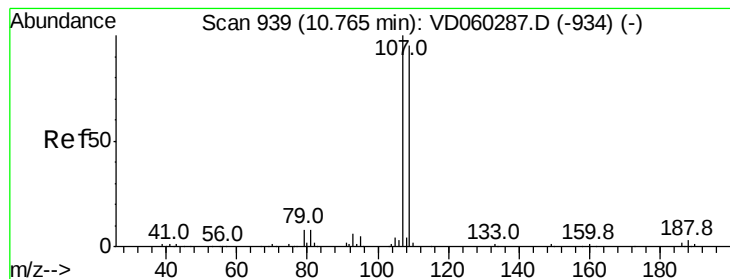
Tot Ion: 43 Resp: 1174564
Ion Ratio Lower Upper
43 100
58 48.2 22.9 68.5



#60
Dibromochloromethane
Concen: 53.848 ug/l
RT: 10.66 min Scan# 929
Delta R.T. 0.02 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

Tgt Ion: 129 Resp: 531363
Ion Ratio Lower Upper
129 100
127 76.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 51.294 ug/l

RT: 10.78 min Scan# 941

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

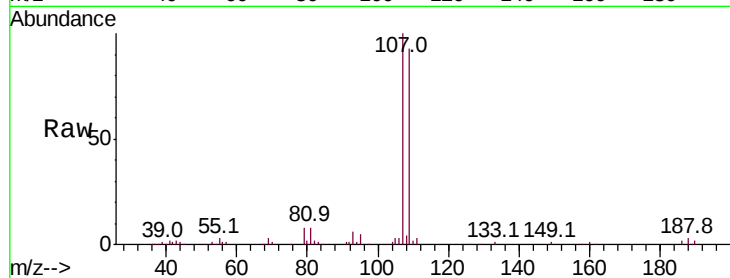
FDSB-05(25-27)MS

Tot Ion:107 Resp: 417200

Ion Ratio Lower Upper

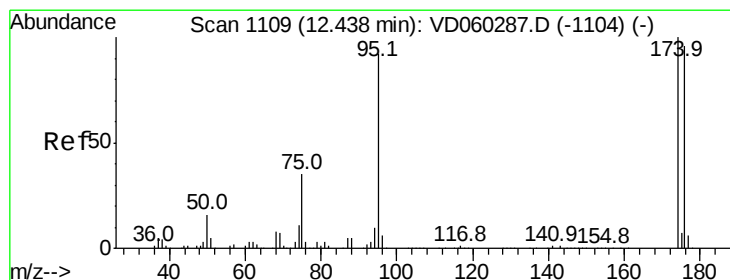
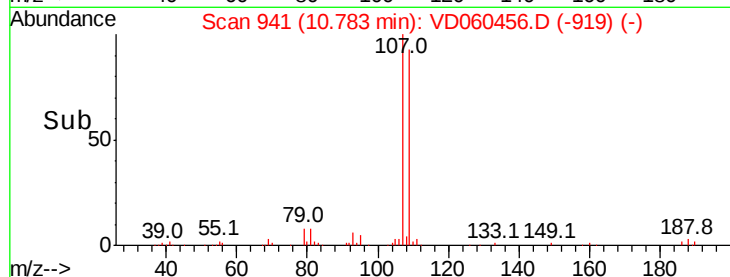
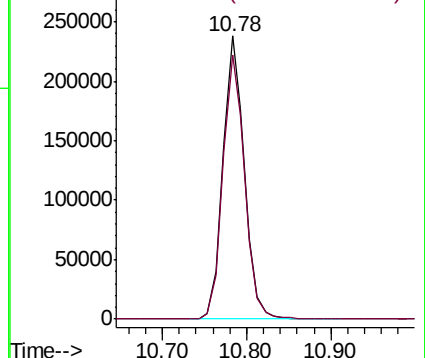
107 100

109 93.2 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 51.294 ug/l

RT: 12.45 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

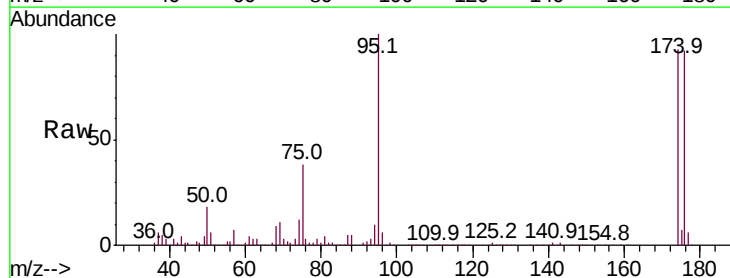
Tgt Ion: 95 Resp: 661597

Ion Ratio Lower Upper

95 100

174 93.3 0.0 160.8

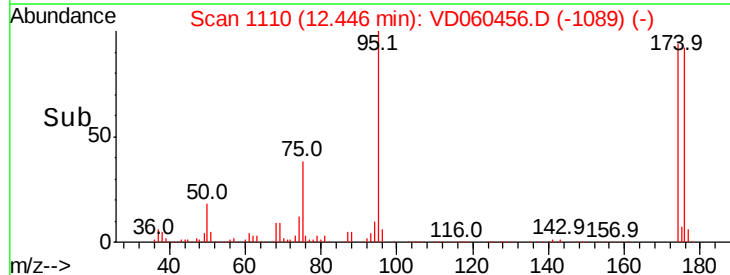
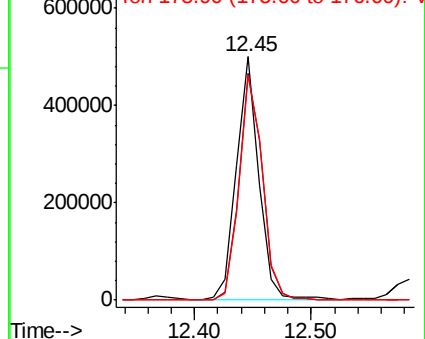
176 92.0 0.0 154.6

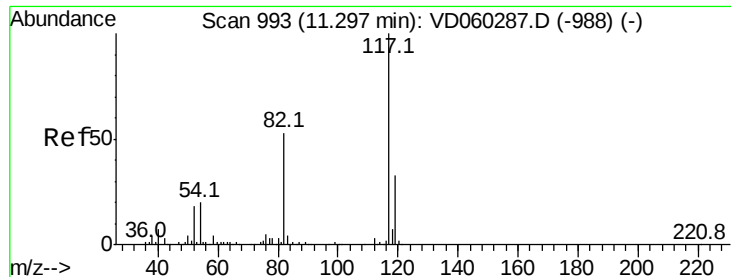


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

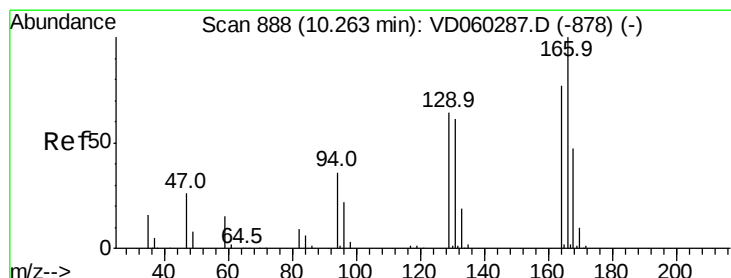
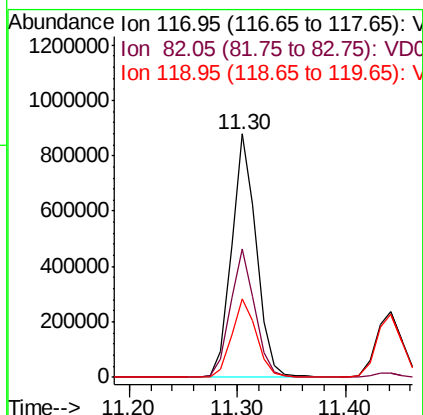
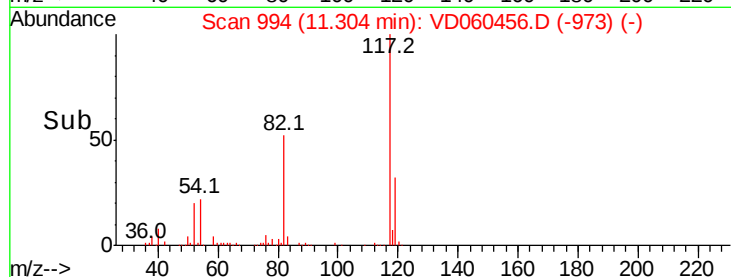
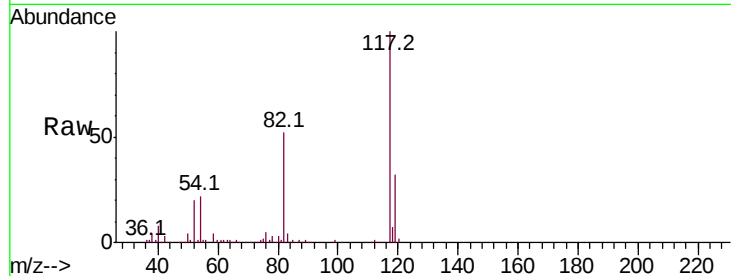




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

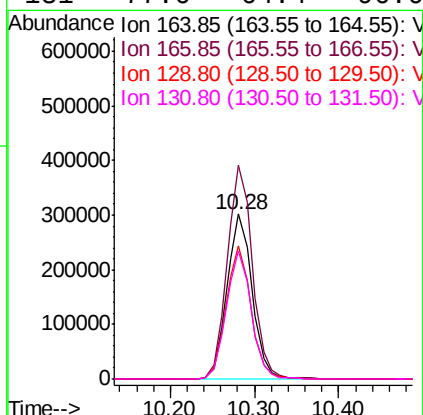
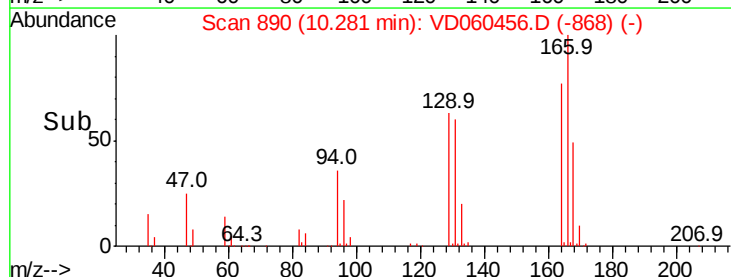
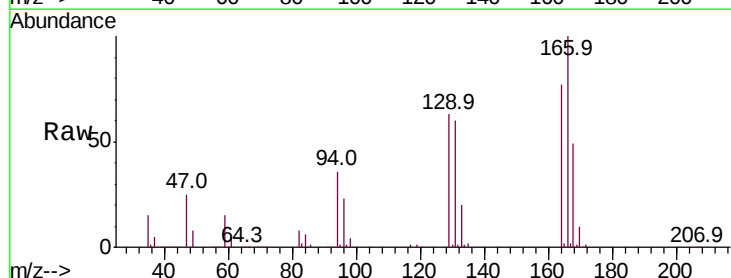
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

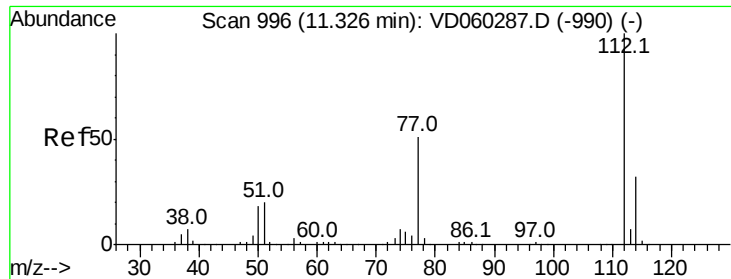
Tot Ion:117 Resp: 1389975
Ion Ratio Lower Upper
117 100
82 52.5 43.7 65.5
119 32.3 26.1 39.1



#64
Tetrachloroethene
Concen: 50.443 ug/l
RT: 10.28 min Scan# 890
Delta R.T. 0.02 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

Tgt Ion:164 Resp: 625938
Ion Ratio Lower Upper
164 100
166 129.8 103.7 155.5
129 81.3 65.6 98.4
131 77.6 64.4 96.6

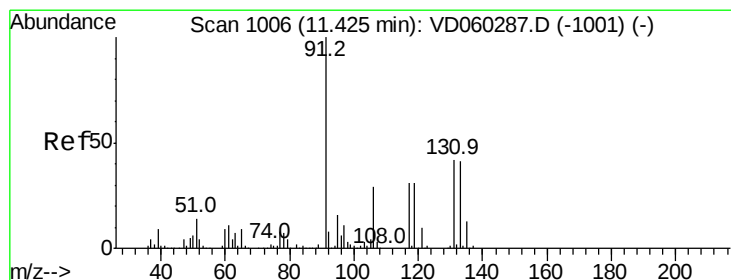
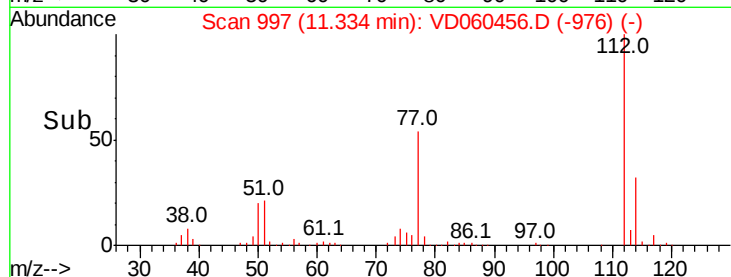
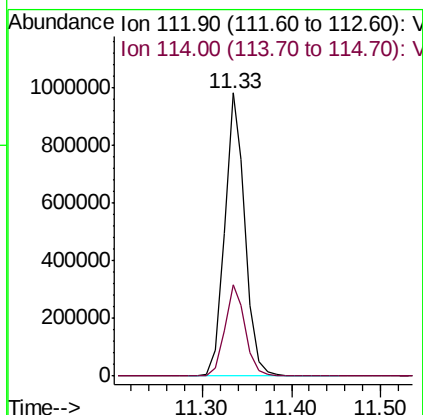
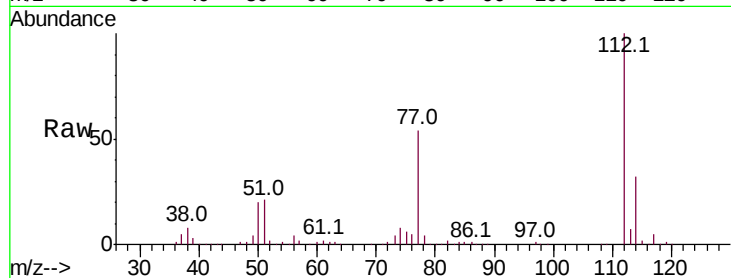




#65
Chlorobenzene
Concen: 52.093 ug/l
RT: 11.33 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

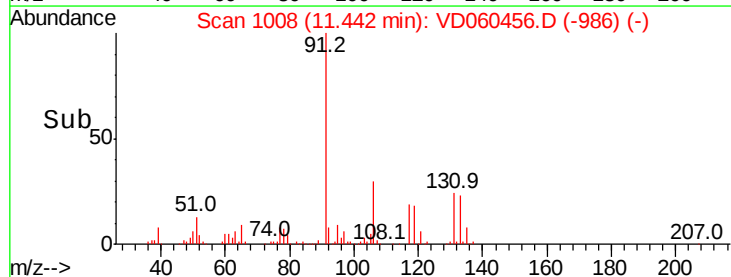
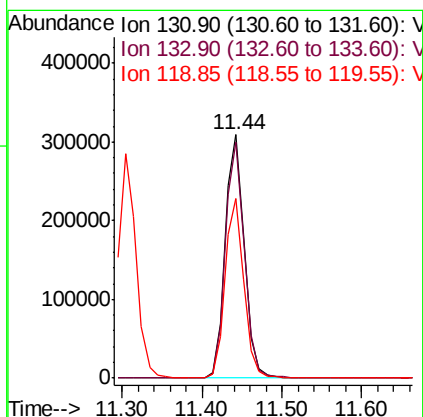
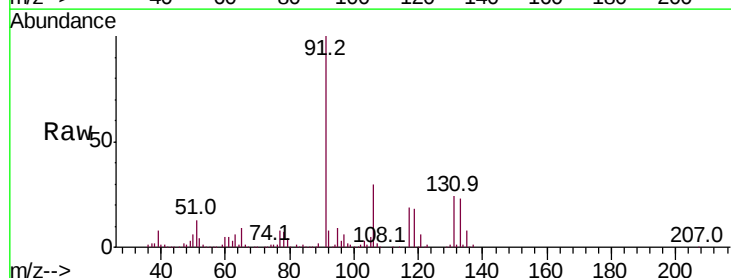
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

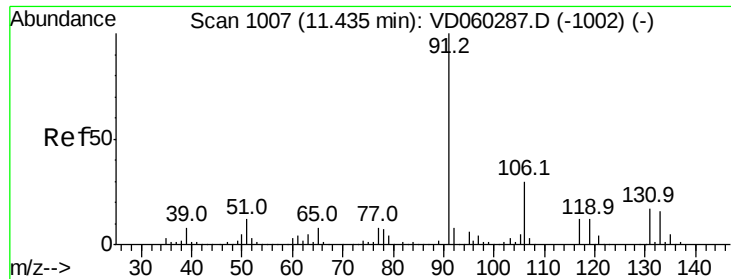
Tot Ion:112 Resp: 1568867
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.952 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.02 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

Tgt Ion:131 Resp: 521791
Ion Ratio Lower Upper
131 100
133 96.7 50.0 150.0
119 73.5 37.0 111.1





#67

Ethyl Benzene

Concen: 51.621 ug/l

RT: 11.45 min Scan# 1009

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

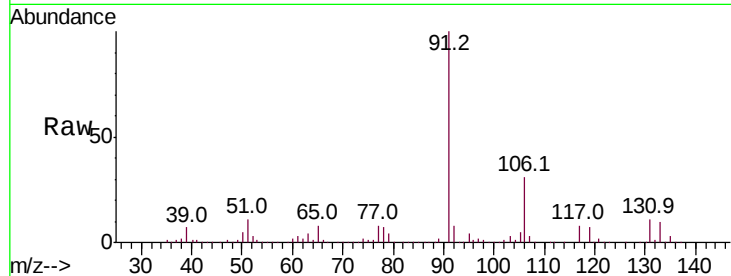
FDSB-05(25-27)MS

Tot Ion: 91 Resp: 2659510

Ion Ratio Lower Upper

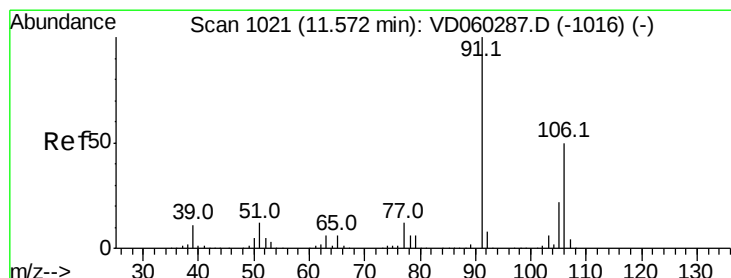
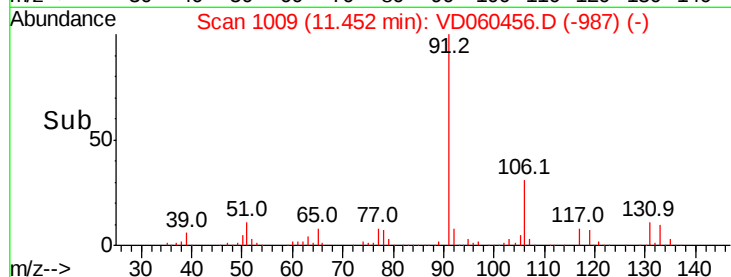
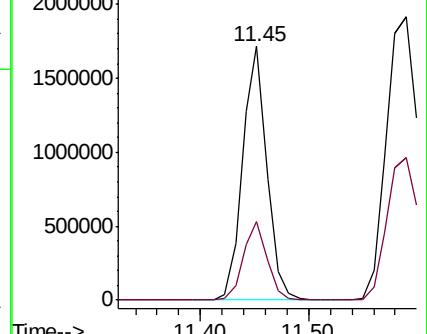
91 100

106 30.8 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: 103.089 ug/l

RT: 11.59 min Scan# 1023

Delta R.T. 0.02 min

Lab File: VD060456.D

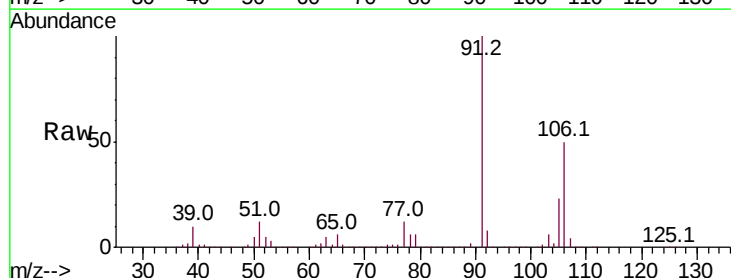
Acq: 26 Nov 2018 15:44

Tgt Ion:106 Resp: 1959164

Ion Ratio Lower Upper

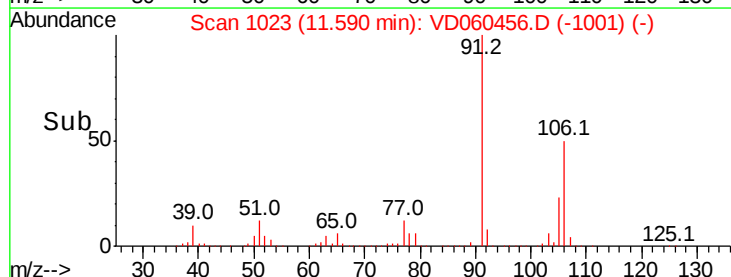
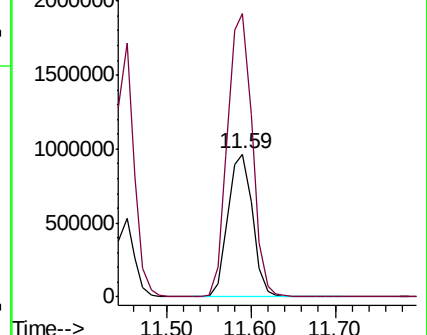
106 100

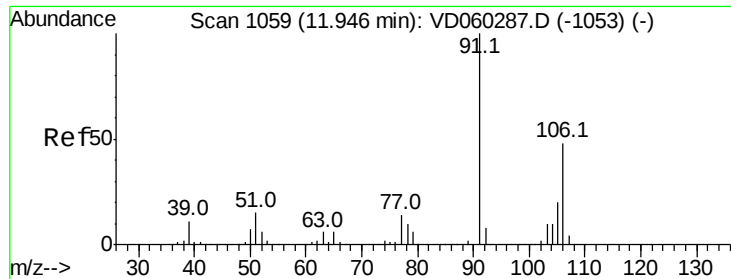
91 198.5 159.4 239.2



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

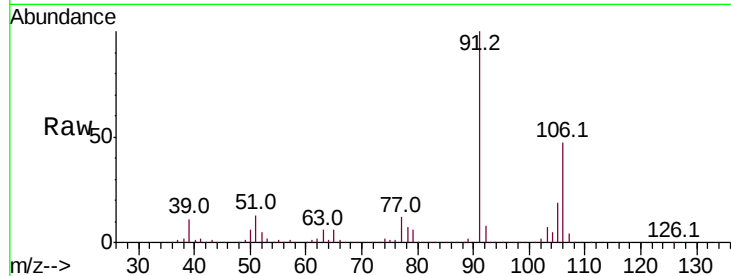




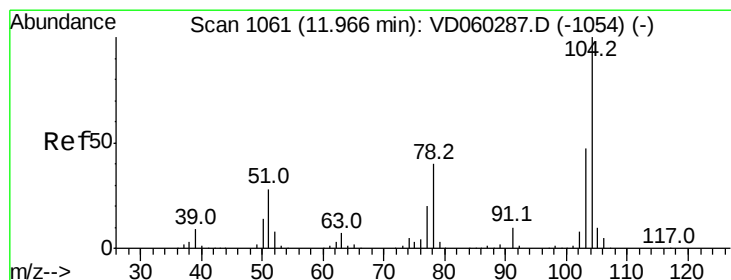
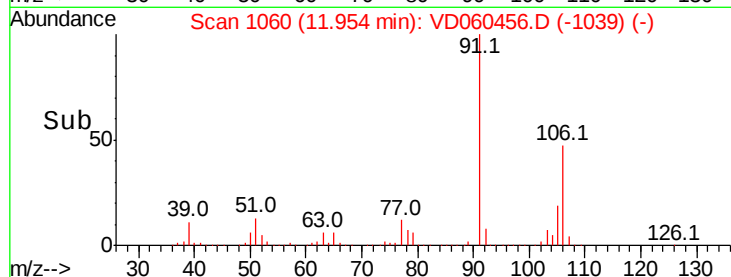
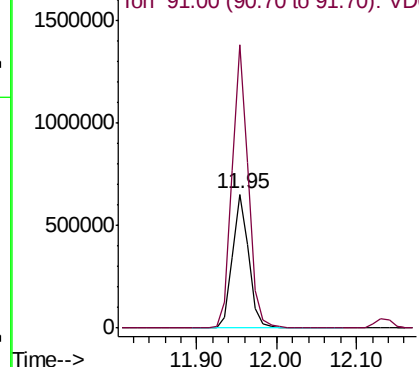
#69
o-Xylene
Concen: 51.038 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

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

Tot Ion:106 Resp: 937062
Ion Ratio Lower Upper
106 100
91 211.1 109.2 327.6

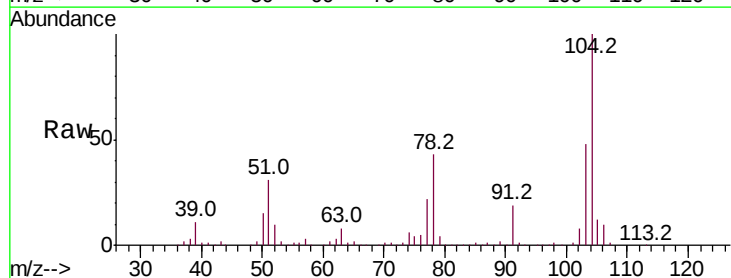


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

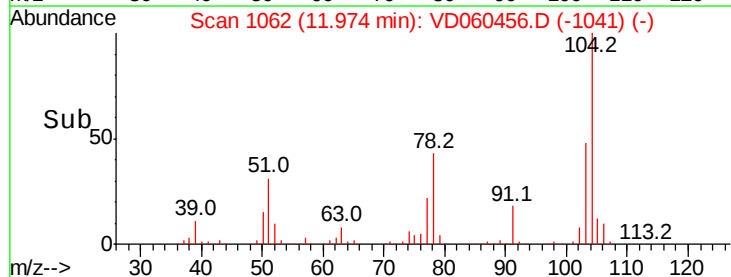
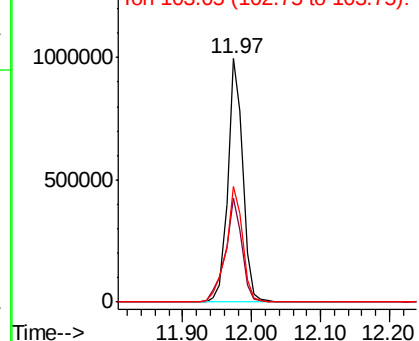


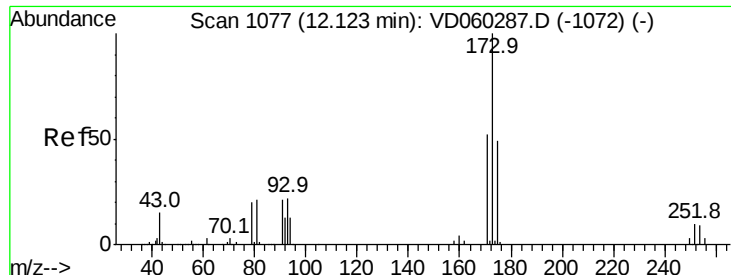
#70
Styrene
Concen: 50.468 ug/l
RT: 11.97 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

Tgt Ion:104 Resp: 1497494
Ion Ratio Lower Upper
104 100
78 42.5 31.6 47.4
103 47.7 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: 52.851 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

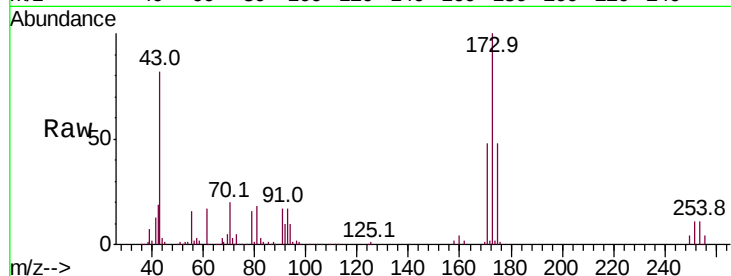
Tot Ion:173 Resp: 349959

Ion Ratio Lower Upper

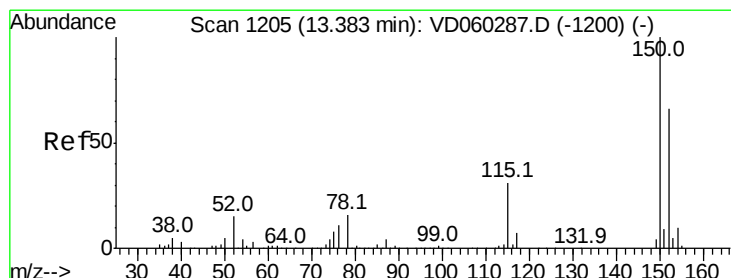
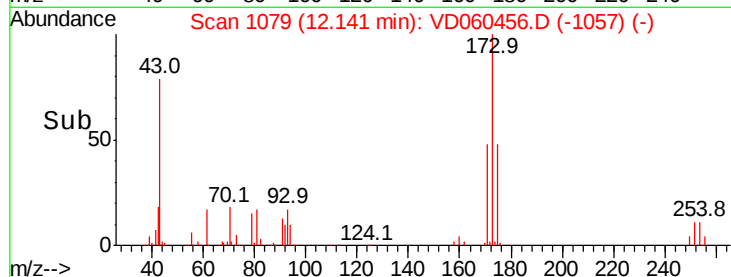
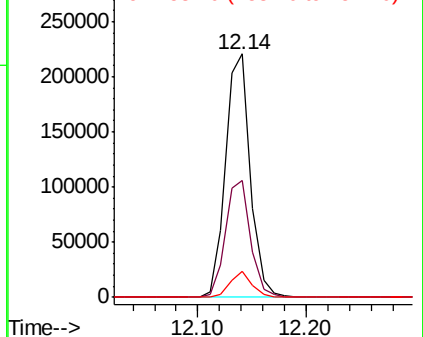
173 100

175 47.9 24.3 73.0

254 10.6 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# 1206

Delta R.T. 0.01 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

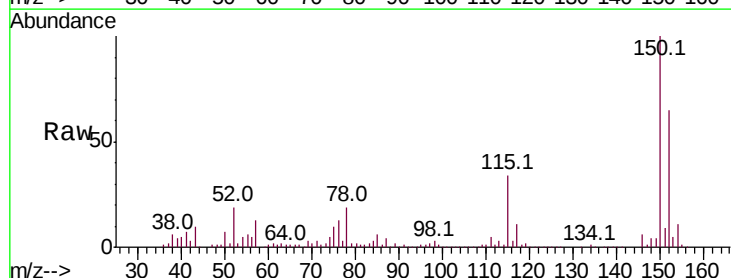
Tgt Ion:152 Resp: 695120

Ion Ratio Lower Upper

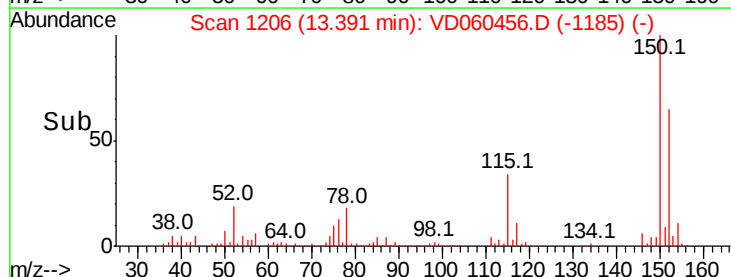
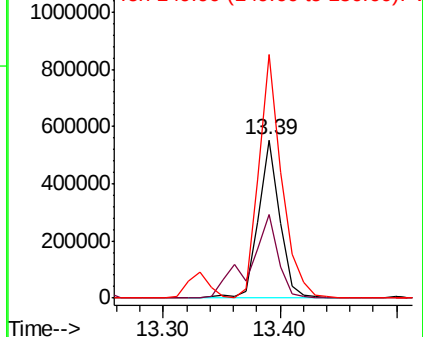
152 100

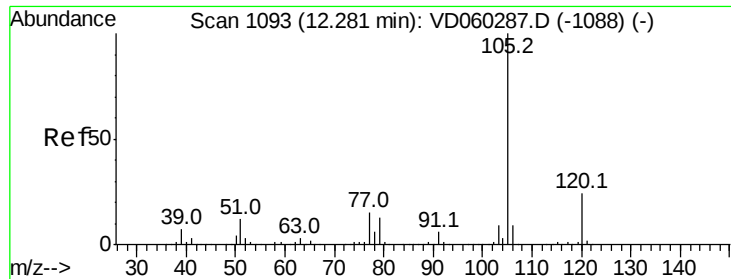
115 52.9 24.1 72.3

150 154.2 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: 51.464 ug/l

RT: 12.30 min Scan# 1095

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

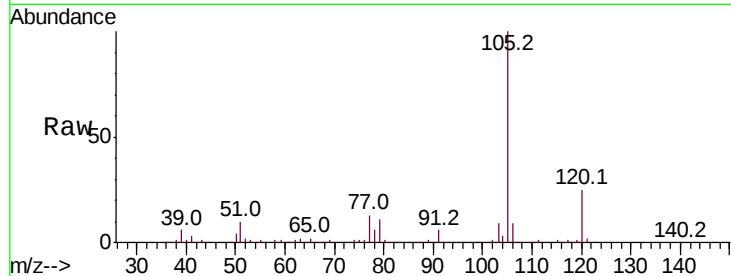
FDSB-05(25-27)MS

Tot Ion:105 Resp: 2606353

Ion Ratio Lower Upper

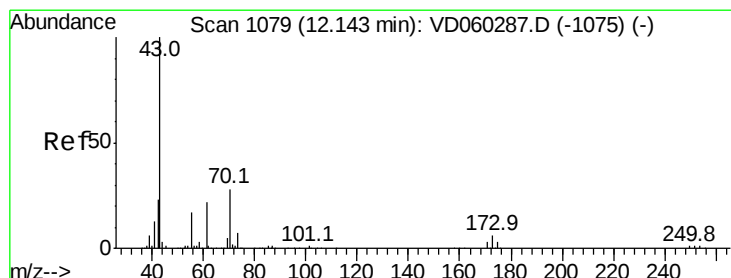
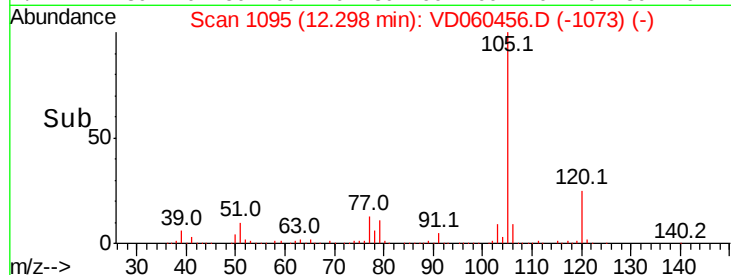
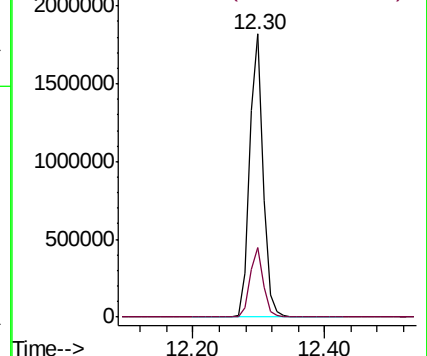
105 100

120 24.7 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.939 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Tgt Ion: 43 Resp: 661407

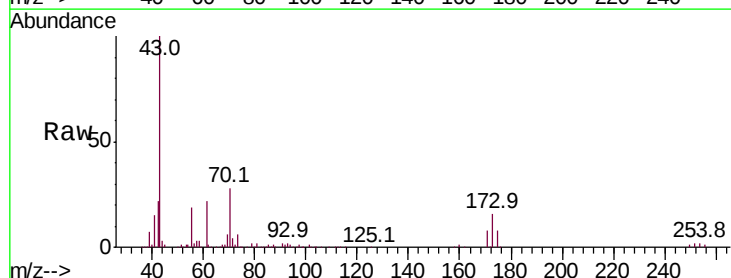
Ion Ratio Lower Upper

43 100

70 27.6 23.0 34.4

55 18.7 14.2 21.4

61 21.7 17.8 26.8

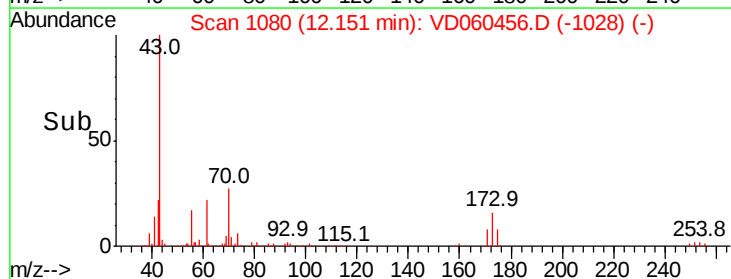
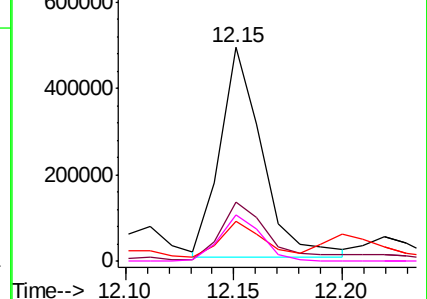


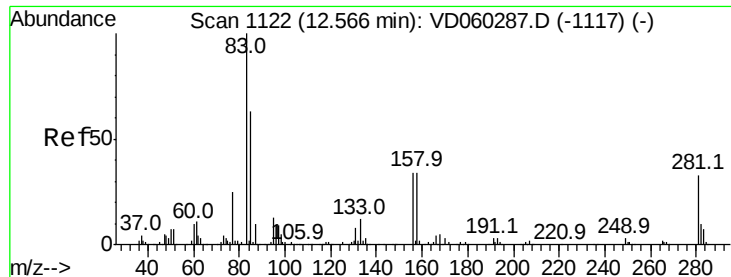
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 52.329 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

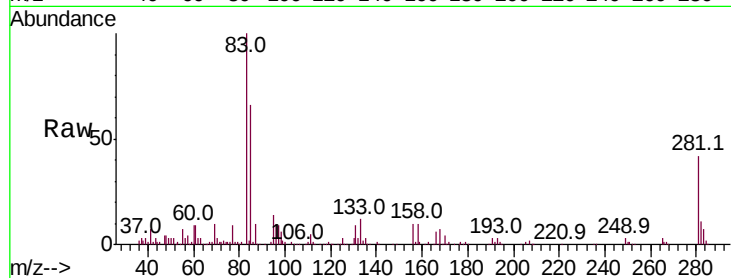
Tot Ion: 83 Resp: 433421

Ion Ratio Lower Upper

83 100

131 9.3 3.9 11.5

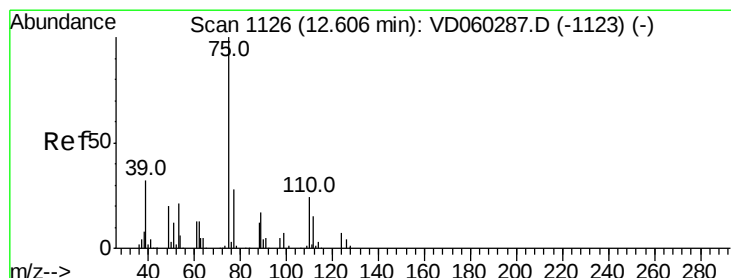
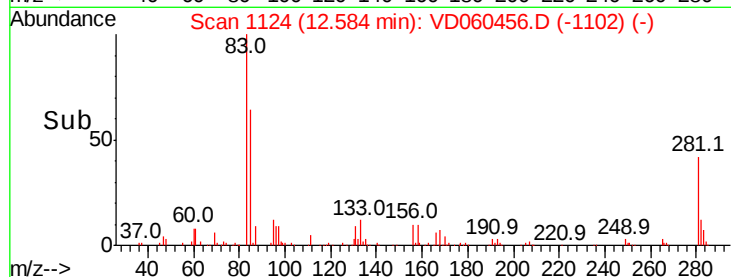
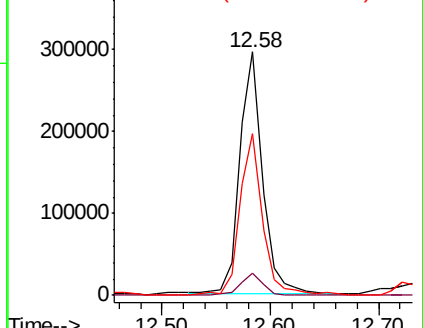
85 66.3 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 48.602 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060456.D

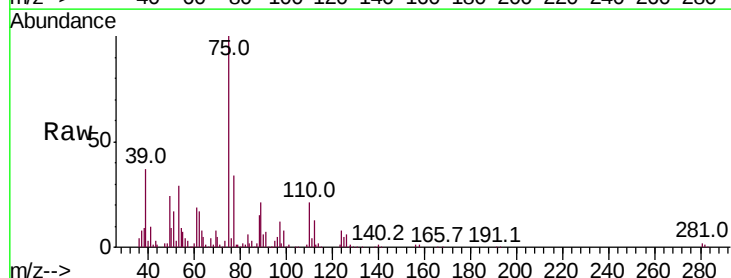
Acq: 26 Nov 2018 15:44

Tgt Ion: 75 Resp: 404136

Ion Ratio Lower Upper

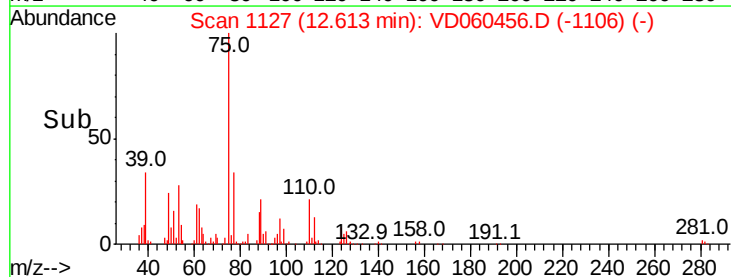
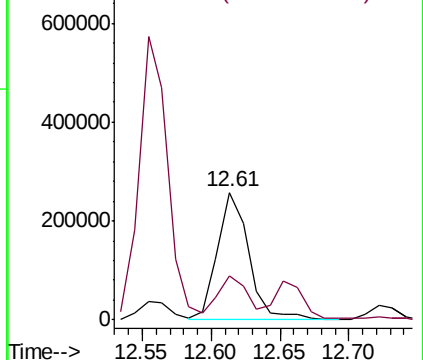
75 100

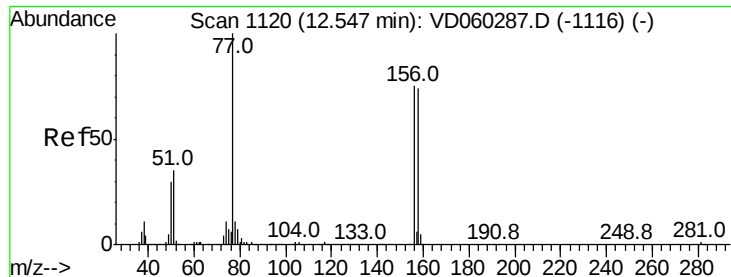
77 34.1 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.189 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

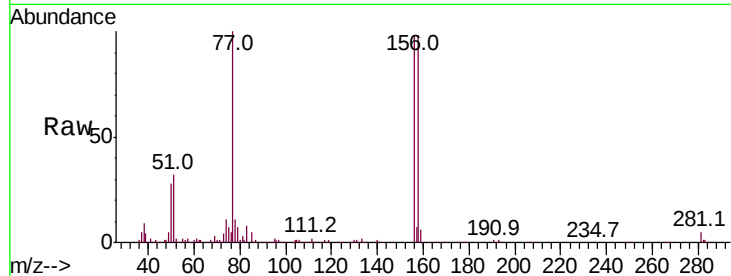
Tot Ion:156 Resp: 661717

Ion Ratio Lower Upper

156 100

77 102.3 61.2 183.6

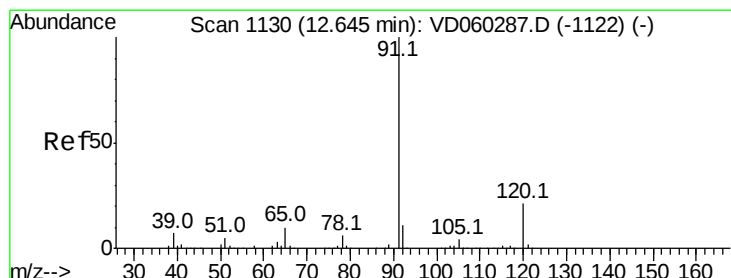
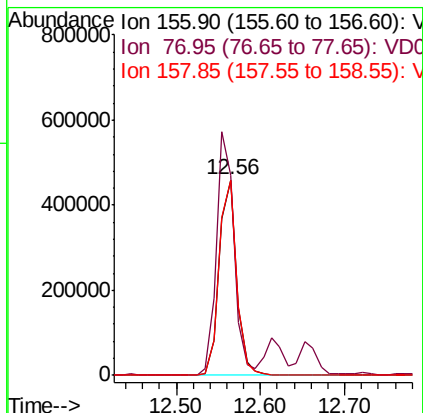
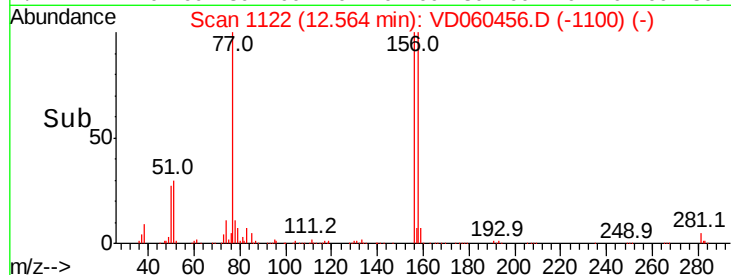
158 99.9 49.2 147.6



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: 49.429 ug/l

RT: 12.65 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VD060456.D

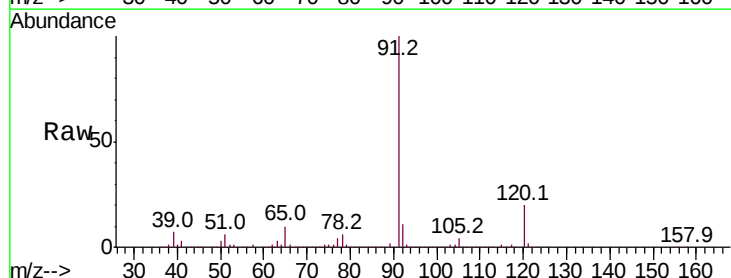
Acq: 26 Nov 2018 15:44

Tgt Ion: 91 Resp: 3124578

Ion Ratio Lower Upper

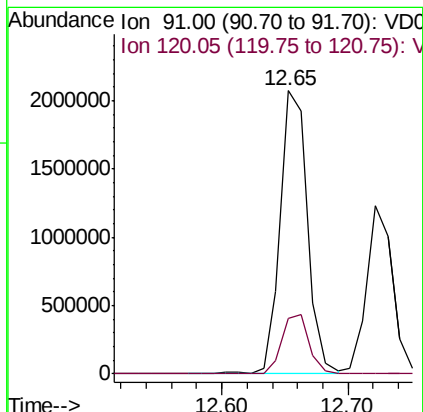
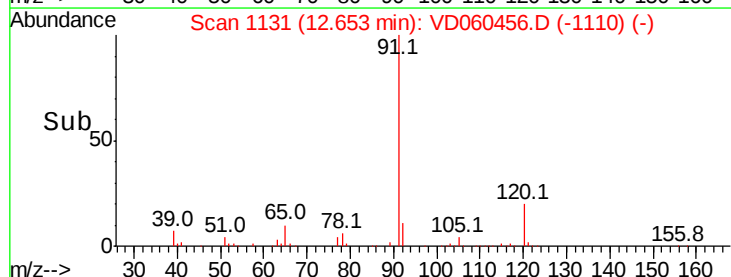
91 100

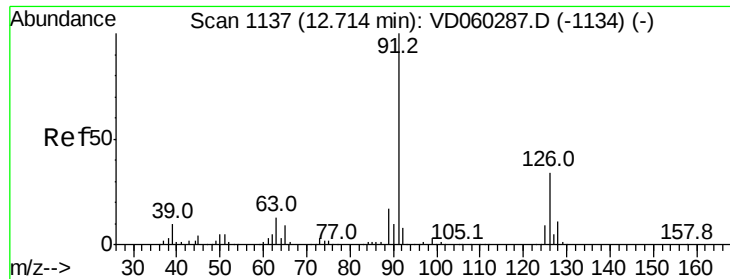
120 19.8 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

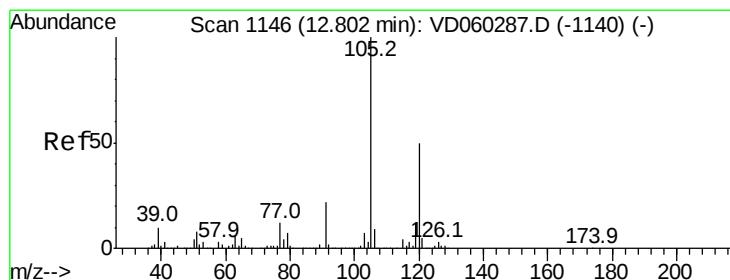
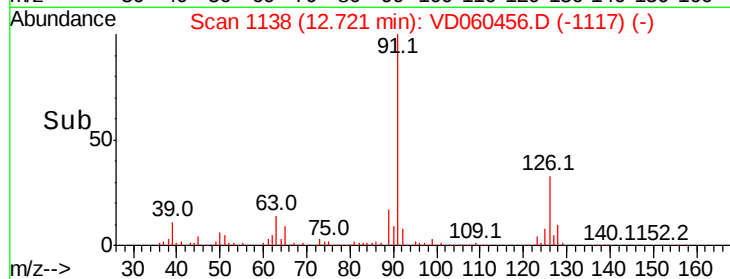
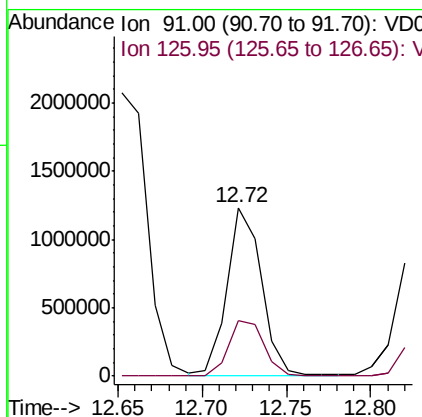
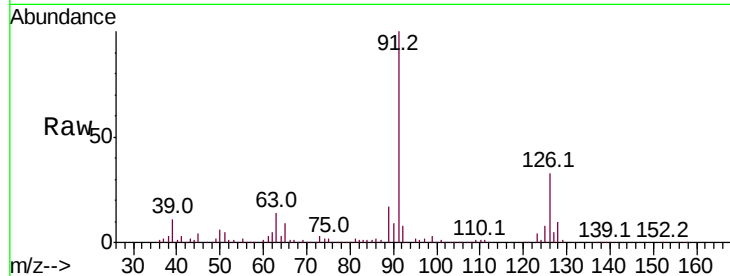




#79
 2-Chlorotoluene
 Concen: 50.405 ug/l
 RT: 12.72 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

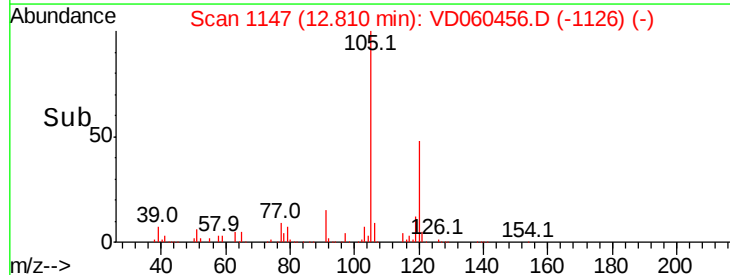
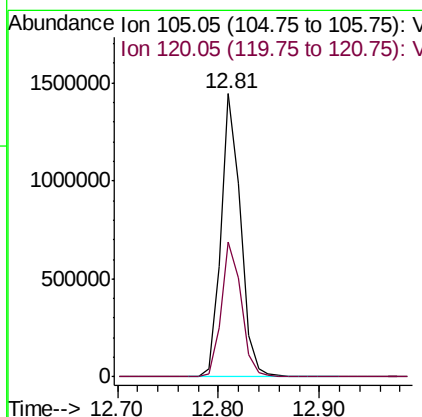
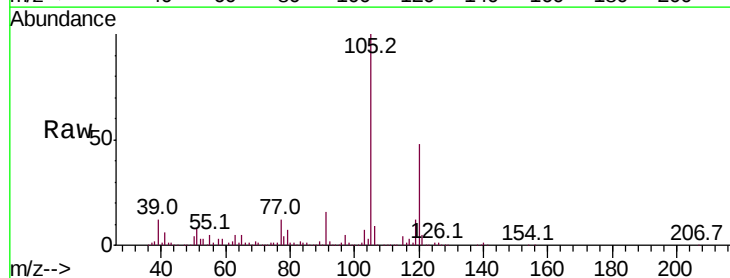
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

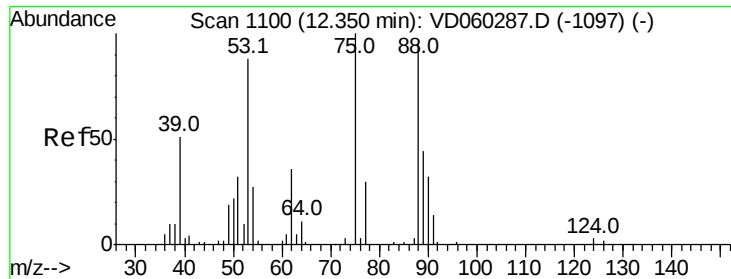
Tot Ion: 91 Resp: 1745094
 Ion Ratio Lower Upper
 91 100
 126 32.8 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 49.611 ug/l
 RT: 12.81 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

Tgt Ion:105 Resp: 1952627
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.4 73.4

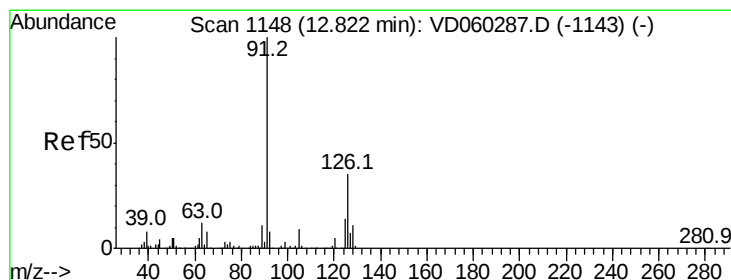
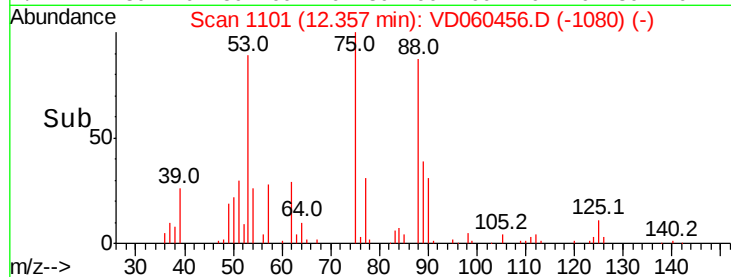
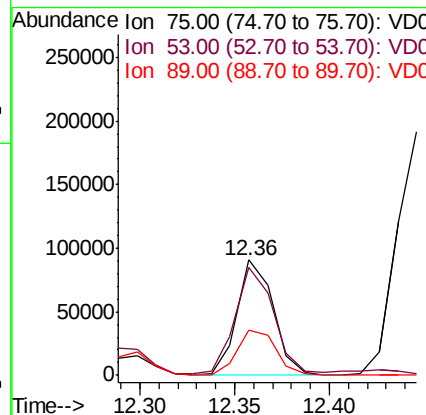
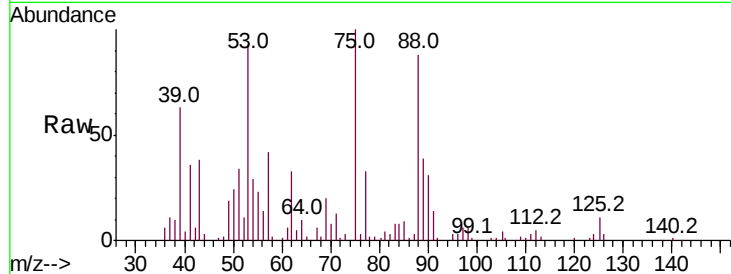




#81
trans-1,4-Dichloro-2-butene
Concen: 51.293 ug/l
RT: 12.36 min Scan# 1101
Delta R.T. 0.01 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

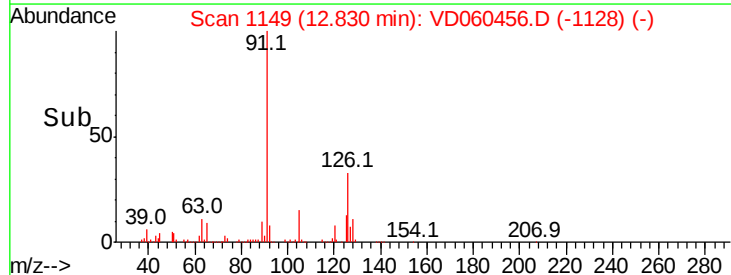
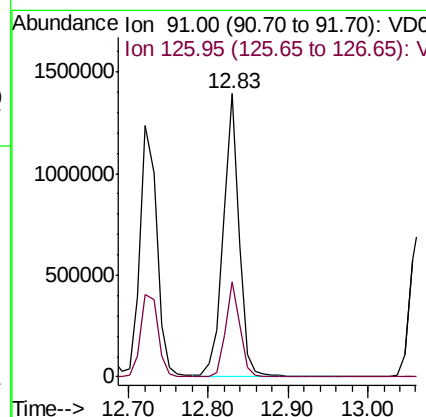
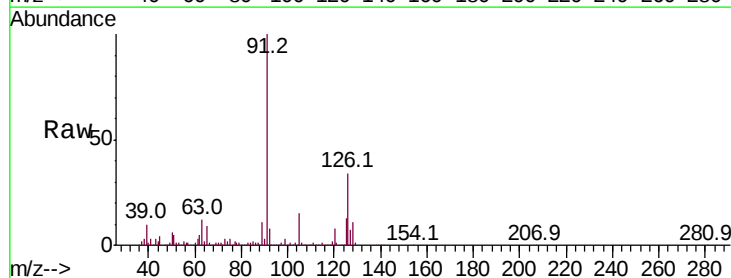
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

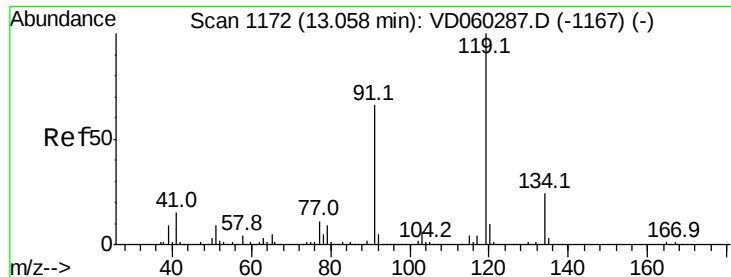
Tot Ion: 75 Resp: 121429
Ion Ratio Lower Upper
75 100
53 93.4 68.6 103.0
89 38.7 34.1 51.1



#82
4-Chlorotoluene
Concen: 50.423 ug/l
RT: 12.83 min Scan# 1149
Delta R.T. 0.01 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

Tgt Ion: 91 Resp: 1961023
Ion Ratio Lower Upper
91 100
126 33.6 14.8 44.4





#83

tert-Butylbenzene

Concen: 50.118 ug/l

RT: 13.07 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

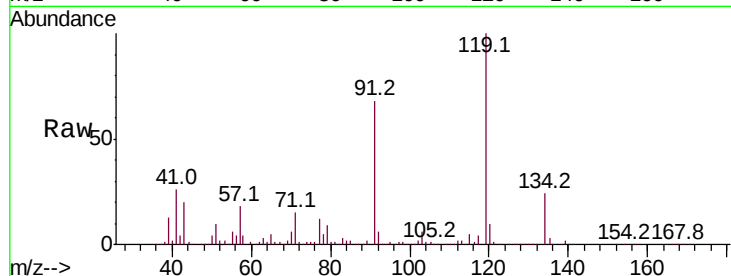
Tot Ion:119 Resp: 2189968

Ion Ratio Lower Upper

119 100

91 68.0 32.7 98.1

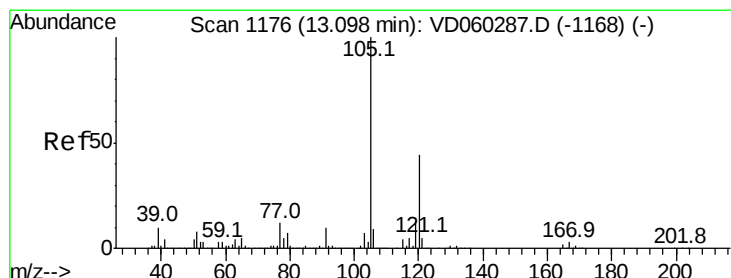
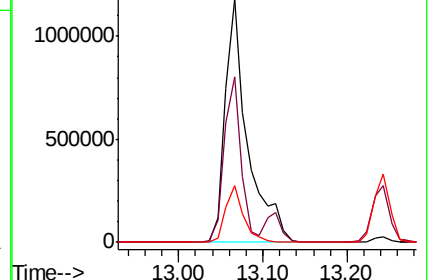
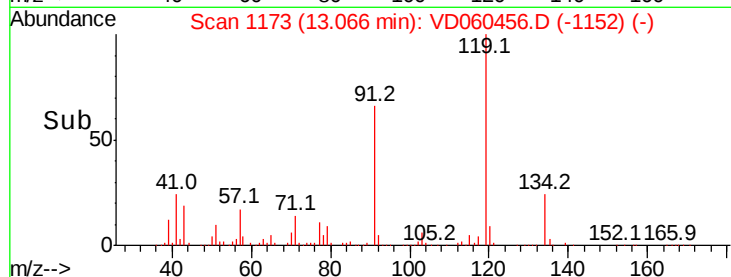
134 23.6 12.1 36.3



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.661 ug/l

RT: 13.12 min Scan# 1178

Delta R.T. 0.02 min

Lab File: VD060456.D

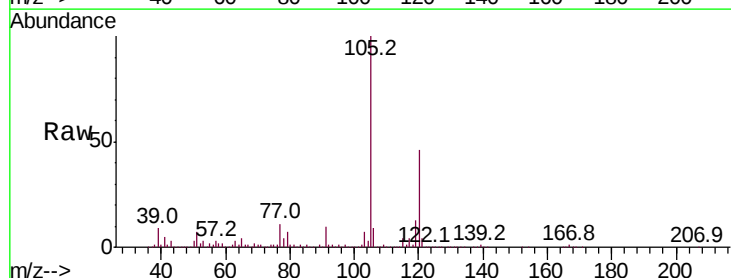
Acq: 26 Nov 2018 15:44

Tgt Ion:105 Resp: 1991338

Ion Ratio Lower Upper

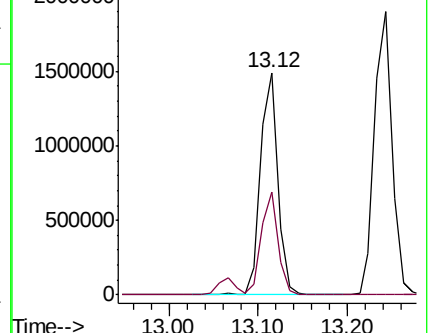
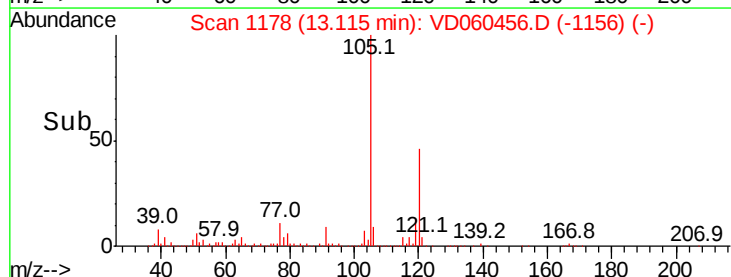
105 100

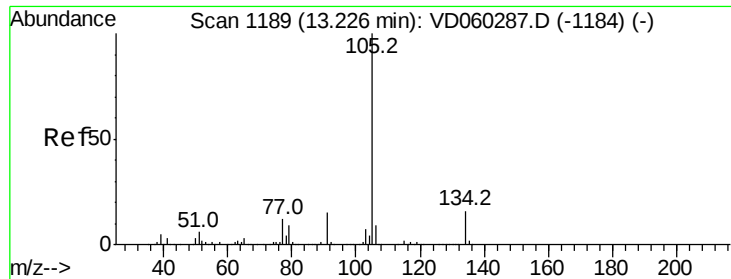
120 46.3 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

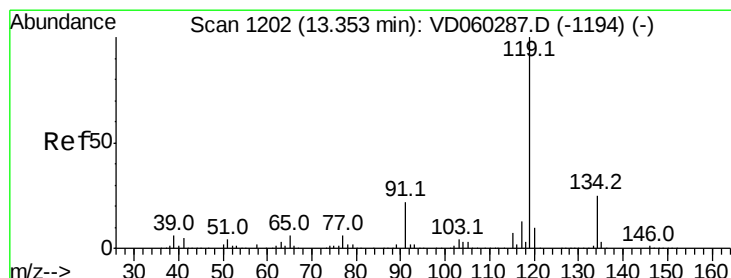
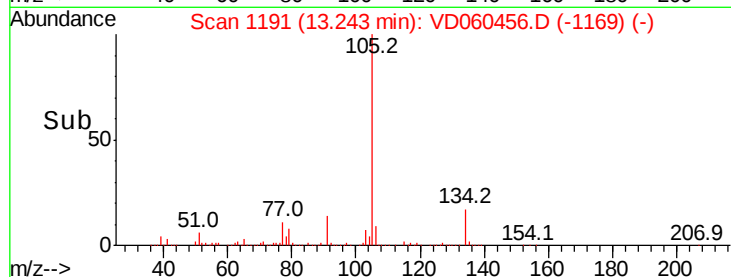
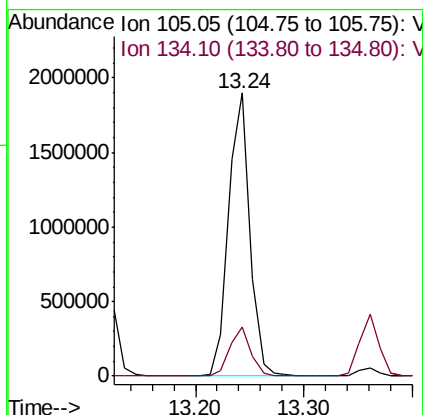
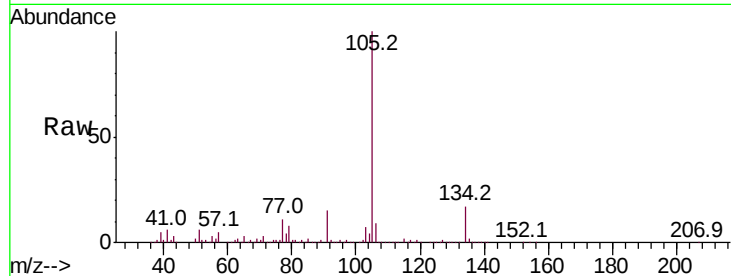




#85
 sec-Butylbenzene
 Concen: 48.456 ug/l
 RT: 13.24 min Scan# 1191
 Delta R.T. 0.02 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

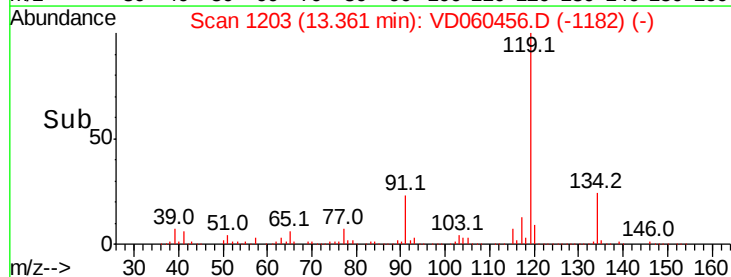
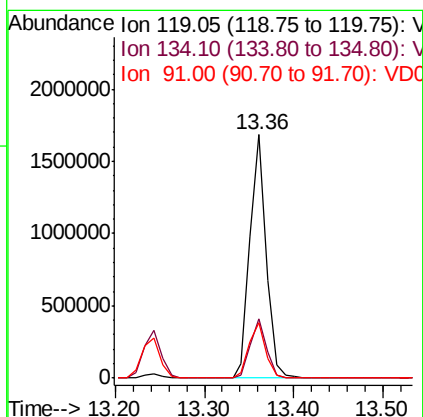
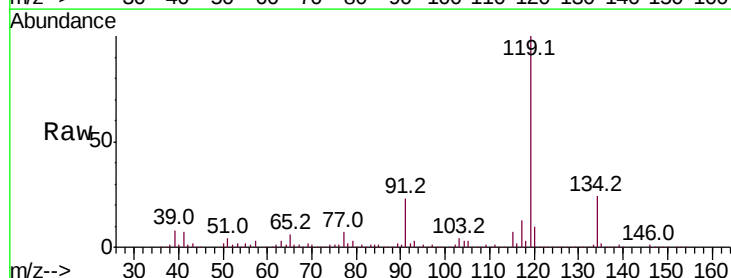
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

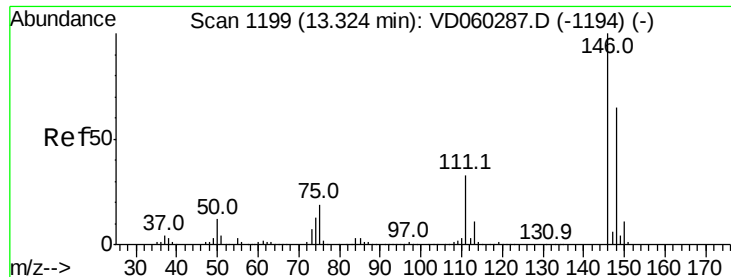
Tot Ion:105 Resp: 2597755
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 48.825 ug/l
 RT: 13.36 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

Tgt Ion:119 Resp: 2107886
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.9 38.6
 91 23.0 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 48.855 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

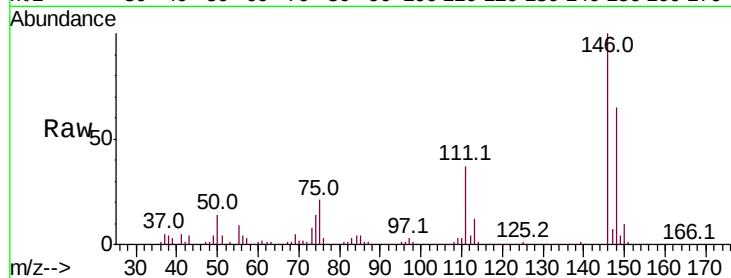
MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

Tot Ion:146 Resp: 1169300

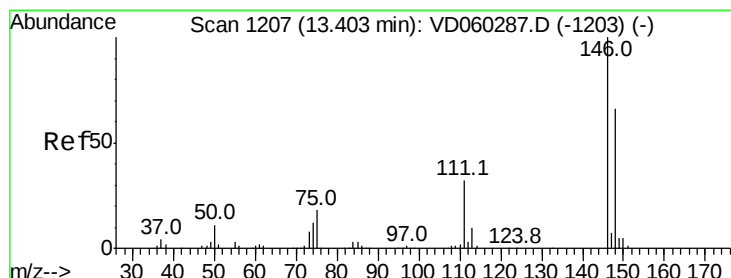
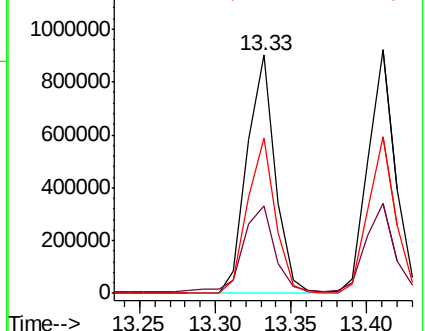
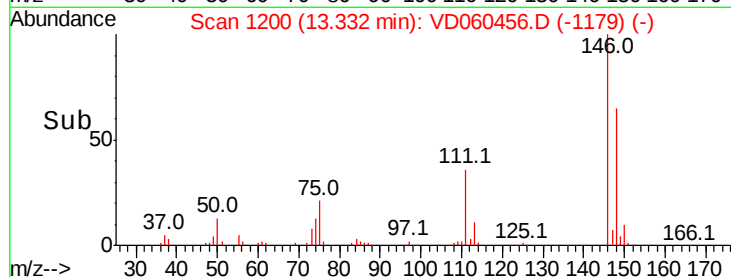
Ion	Ratio	Lower	Upper
146	100		
111	36.9	20.2	60.5
148	65.0	32.0	96.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.370 ug/l

RT: 13.41 min Scan# 1208

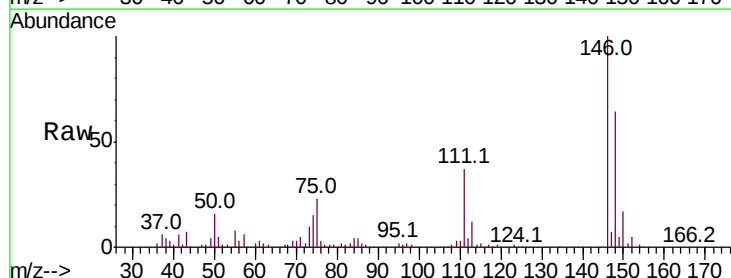
Delta R.T. 0.01 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Tgt Ion:146 Resp: 1154011

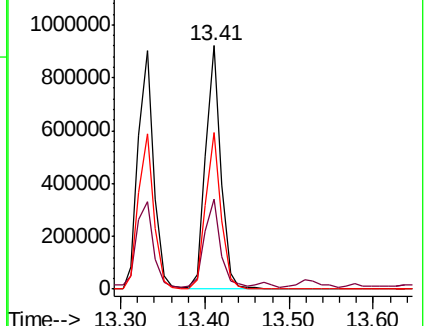
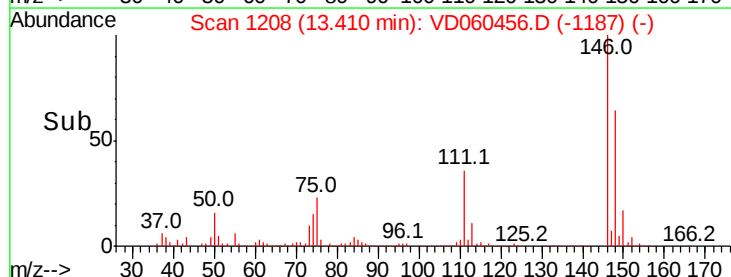
Ion	Ratio	Lower	Upper
146	100		
111	37.0	16.0	47.9
148	64.4	32.9	98.7

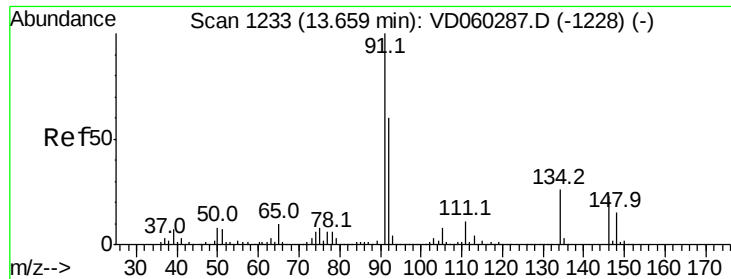


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

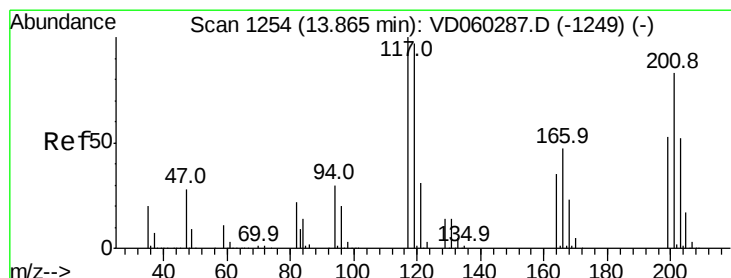
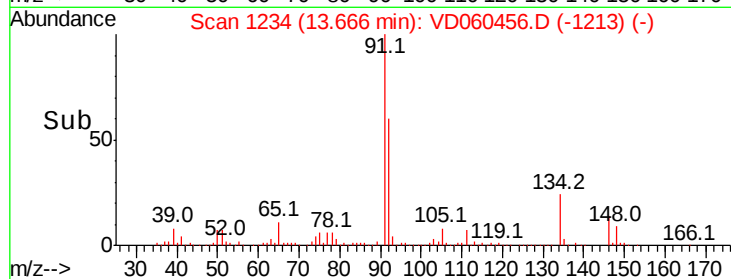
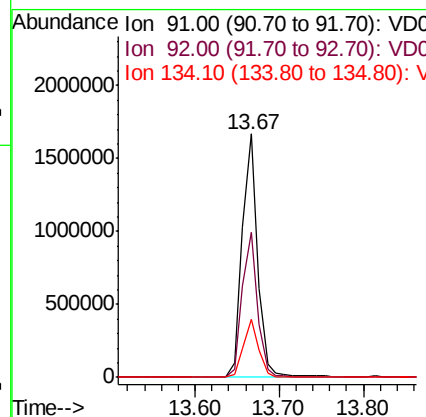
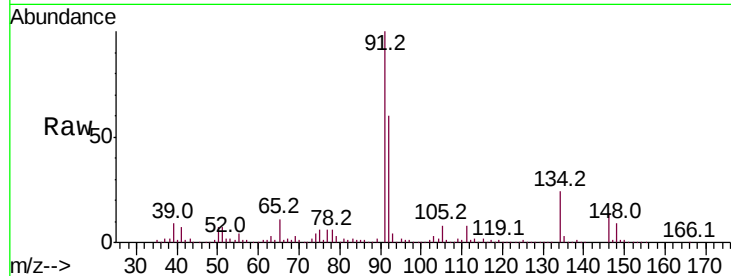




#89
n-Butylbenzene
Concen: 50.300 ug/l
RT: 13.67 min Scan# 1234
Delta R.T. 0.01 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

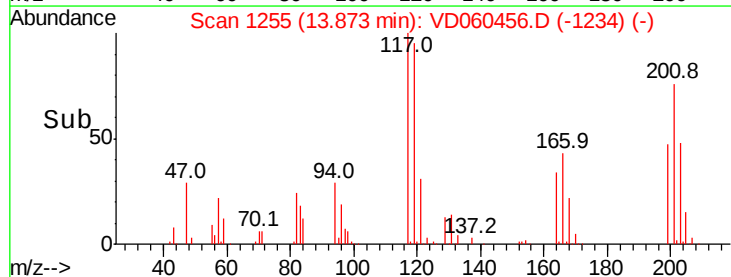
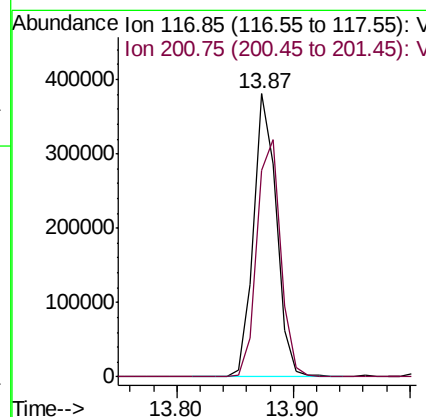
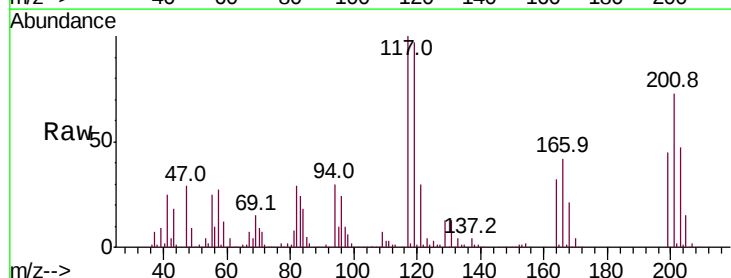
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)MS

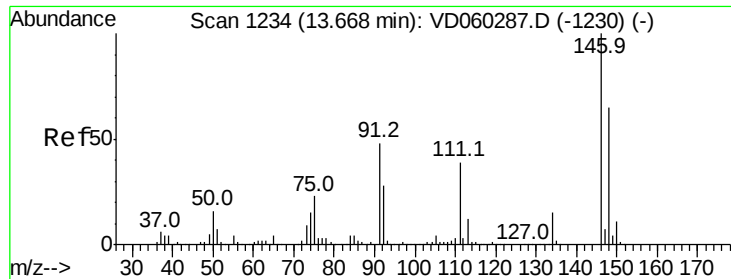
Tot Ion: 91 Resp: 2111091
Ion Ratio Lower Upper
91 100
92 59.7 30.3 90.9
134 24.1 13.0 38.9



#90
Hexachloroethane
Concen: 50.870 ug/l
RT: 13.87 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

Tgt Ion: 117 Resp: 520768
Ion Ratio Lower Upper
117 100
201 72.9 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 49.597 ug/l

RT: 13.68 min Scan# 1235

Delta R.T. 0.01 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

FDSB-05(25-27)MS

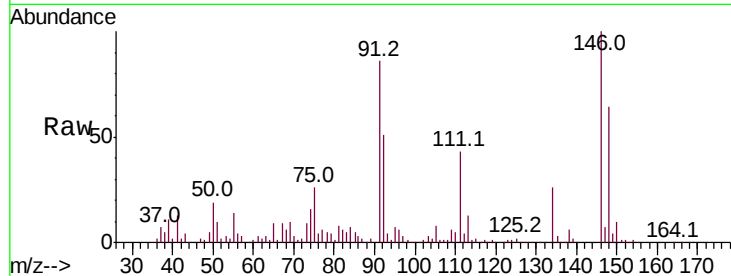
Tot Ion:146 Resp: 975029

Ion Ratio Lower Upper

146 100

111 42.7 18.9 56.9

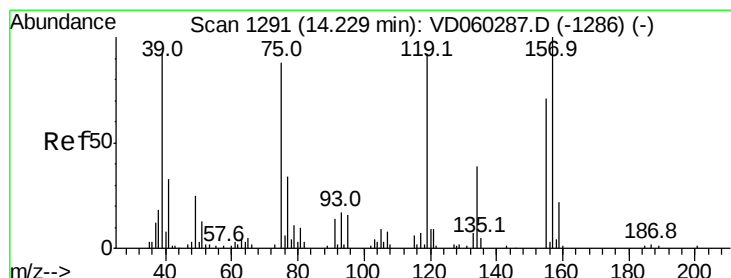
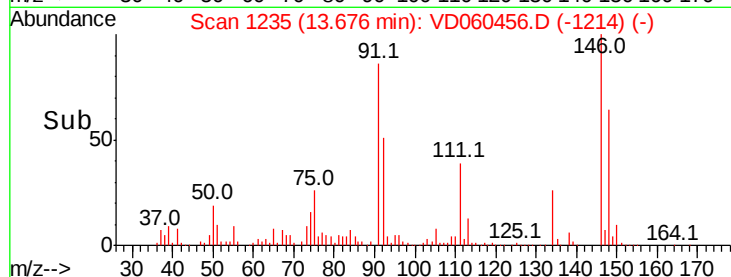
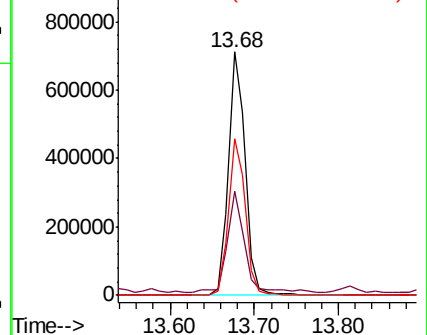
148 64.2 31.6 94.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.388 ug/l

RT: 14.25 min Scan# 1293

Delta R.T. 0.02 min

Lab File: VD060456.D

Acq: 26 Nov 2018 15:44

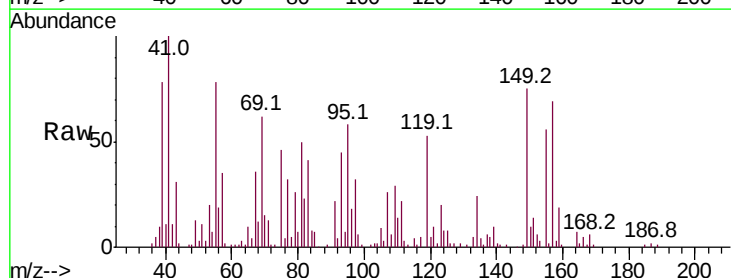
Tgt Ion: 75 Resp: 51378

Ion Ratio Lower Upper

75 100

155 121.5 64.3 192.9

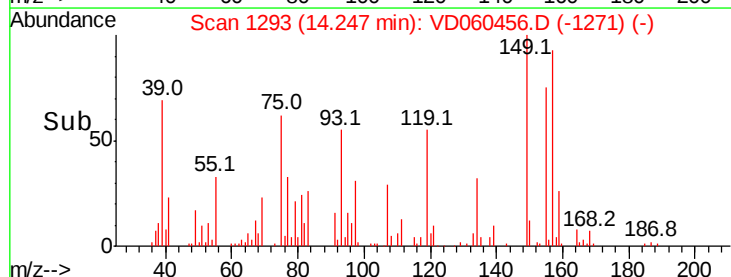
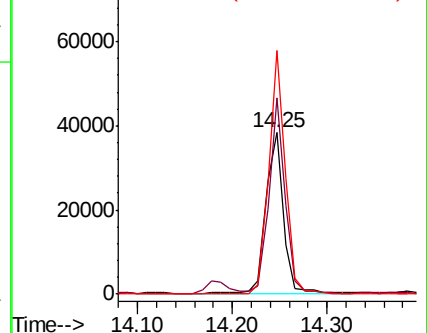
157 150.8 81.0 243.1

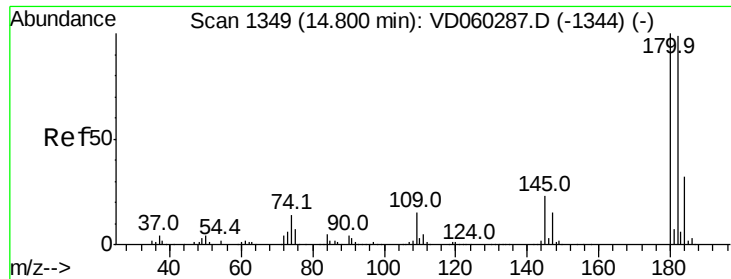


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

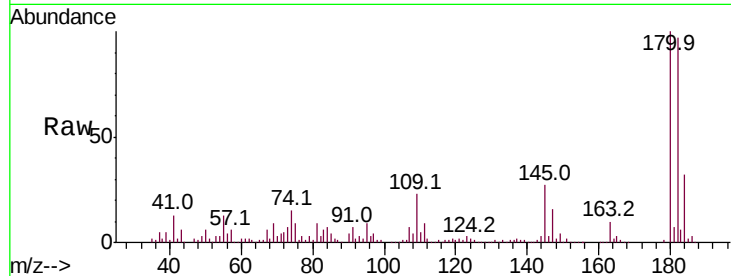




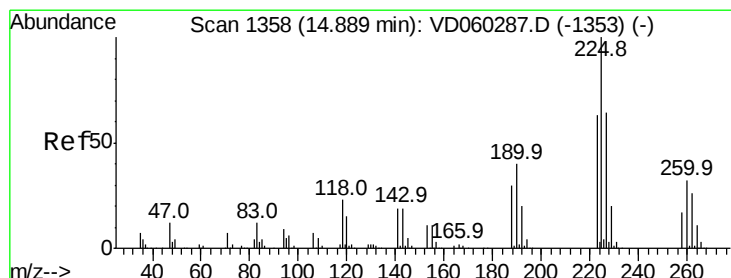
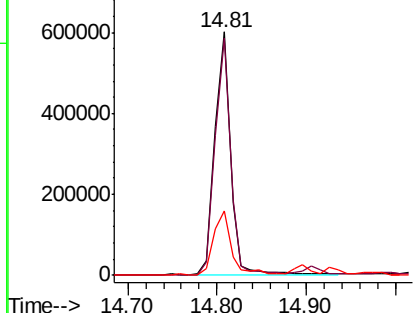
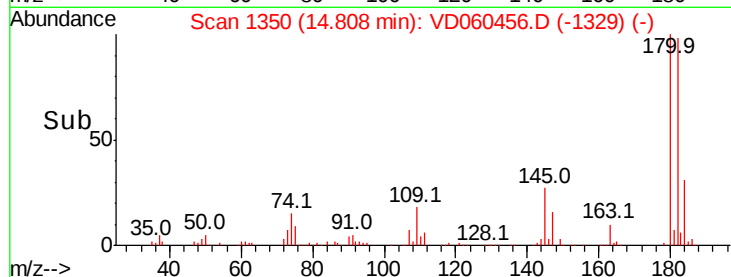
#93
 1,2,4-Trichlorobenzene
 Concen: 47.376 ug/l
 RT: 14.81 min Scan# 1350
 Delta R.T. 0.01 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	48.1	144.4
145	26.6	11.5	34.4

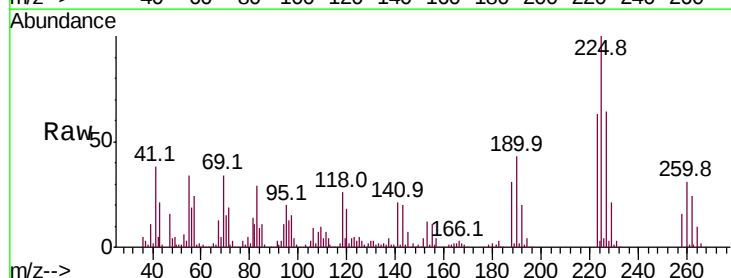


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

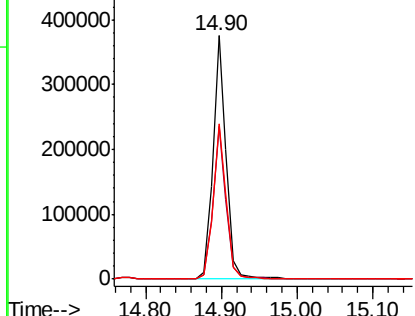
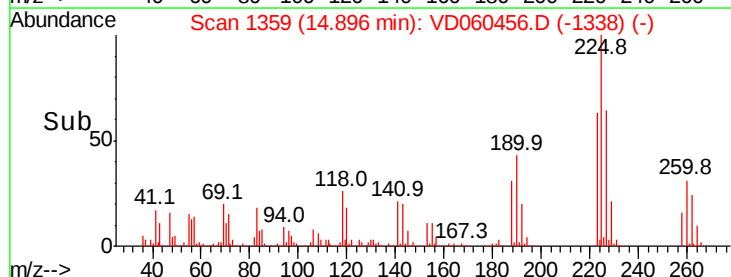


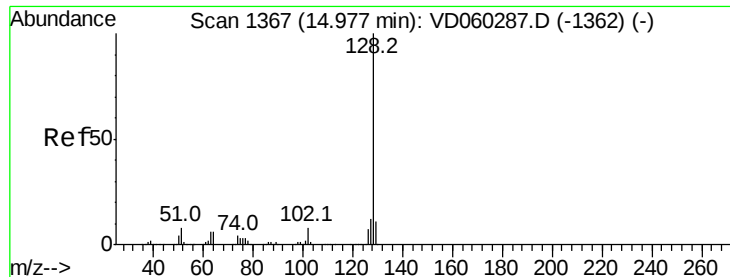
#94
 Hexachlorobutadiene
 Concen: 39.898 ug/l
 RT: 14.90 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD060456.D
 Acq: 26 Nov 2018 15:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.6	94.8
227	64.0	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

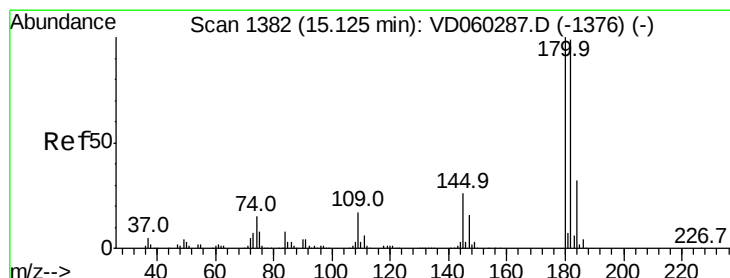
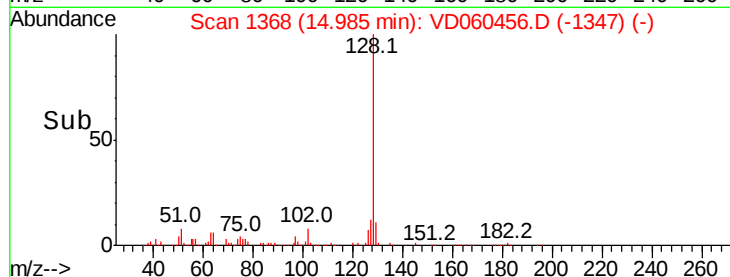
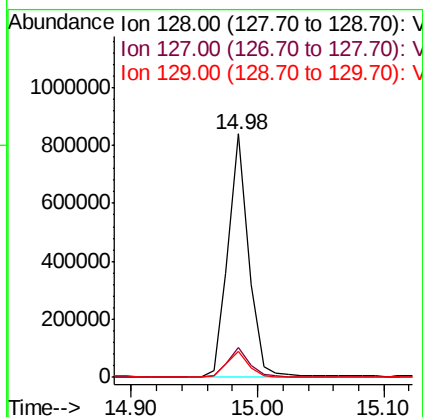
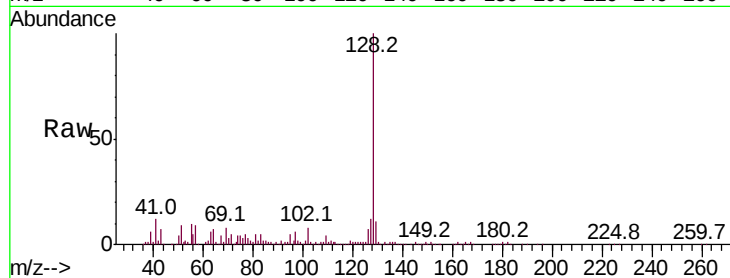




#95
Naphthalene
Concen: 50.183 ug/l
RT: 14.98 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

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

Tot Ion:128 Resp: 955106
Ion Ratio Lower Upper
128 100
127 12.3 9.6 14.4
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 48.101 ug/l
RT: 15.13 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VD060456.D
Acq: 26 Nov 2018 15:44

Tgt Ion:180 Resp: 600787
Ion Ratio Lower Upper
180 100
182 96.7 48.9 146.7
145 27.9 12.9 38.6

