

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF103018\
 Data File : VF060551.D
 Acq On : 30 Oct 2018 18:14
 Operator : VA/AP
 Sample : J5696-01
 Misc : 4.93/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01

Quant Time: Oct 31 04:53:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.12	168	77	50.00	ug/l	0.06
34) 1,4-Difluorobenzene	5.47	114	63	50.00	ug/l	-0.30
63) Chlorobenzene-d5	9.51	117	62	50.00	ug/l	-0.43
72) 1,4-Dichlorobenzene-d4	12.58	152	83	50.00	ug/l	-0.05

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.16	65	60	50.52	ug/l	0.12
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	4.19	113	73	120.75	ug/l	-0.11
Spiked Amount	50.000		Recovery	=	241.50%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	63	47.964	ug/l #	41
3) Chloromethane	1.21	50	150	196.216	ug/l #	1
5) Bromomethane	1.49	94	75	103.373	ug/l	90
6) Chloroethane	1.46	64	67	139.389	ug/l #	41
7) Trichlorofluoromethane	1.58	101	149	66.990	ug/l #	18
8) Diethyl Ether	1.60	74	79	283.203	ug/l	80
10) Methyl Iodide	1.99	142	66	39.229	ug/l #	20
11) Tert butyl alcohol	2.81	59	63	993.370	ug/l #	71
12) 1,1-Dichloroethene	1.91	96	98	113.251	ug/l #	1
13) Acrolein	2.26	56	88	2059.624	ug/l	99
14) Allyl chloride	2.26	41	341	247.834	ug/l #	79
15) Acrylonitrile	3.13	53	100	842.017	ug/l #	1
16) Acetone	2.38	43	224	1009.856	ug/l #	62
17) Carbon Disulfide	1.89	76	81	33.306	ug/l #	73
18) Methyl Acetate	2.44	43	141	366.992	ug/l #	61
19) Methyl tert-butyl Ether	2.61	73	105	54.156	ug/l #	59
20) Methylene Chloride	2.32	84	74	95.350	ug/l #	1
21) trans-1,2-Dichloroethene	2.47	96	111	125.419	ug/l #	1
22) Diisopropyl ether	2.88	45	65	26.007	ug/l #	1
23) Vinyl Acetate	3.35	43	305	328.989	ug/l #	78
24) 1,1-Dichloroethane	3.10	63	77	42.695	ug/l #	90
25) 2-Butanone	4.58	43	81	296.388	ug/l #	54
26) 2,2-Dichloropropane	3.78	77	329	293.545	ug/l #	61
27) cis-1,2-Dichloroethene	3.72	96	70	65.594	ug/l	1
28) Bromochloromethane	3.87	49	184	283.242	ug/l #	10
29) Tetrahydrofuran	4.31	42	62	646.524	ug/l #	1
30) Chloroform	4.10	83	84	36.880	ug/l #	15
31) Cyclohexane	3.94	56	106	82.316	ug/l #	14
32) 1,1,1-Trichloroethane	4.36	97	189	100.370	ug/l #	23
36) 1,1-Dichloropropene	4.31	75	93	118.479	ug/l #	44
37) Ethyl Acetate	4.09	43	175	688.660	ug/l #	1
39) Methylcyclohexane	5.32	83	62	78.215	ug/l #	15
40) Benzene	4.59	78	60	38.540	ug/l #	52
41) Methacrylonitrile	4.75	41	141	970.691	ug/l	90

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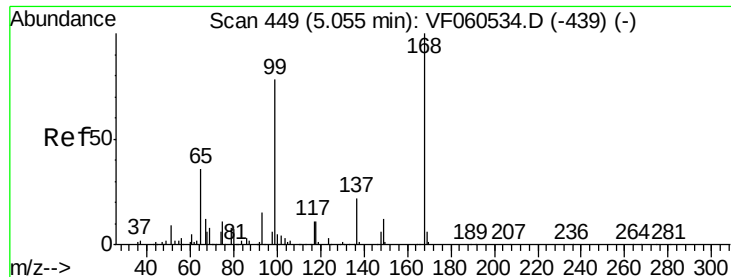
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	4.76	62	70	96.832	ug/l #	1
43) Isopropyl Acetate	6.90	43	91	295.851	ug/l #	43
44) Trichloroethene	5.28	130	118	234.474	ug/l	1
45) 1,2-Dichloropropane	6.17	63	65	167.308	ug/l #	42
46) Dibromomethane	5.84	93	62	203.226	ug/l #	9
47) Bromodichloromethane	6.24	83	70	89.420	ug/l #	24
48) Methyl methacrylate	6.53	41	66	311.087	ug/l #	14
49) 1,4-Dioxane	6.47	88	147	74482.754	ug/l #	27
51) 4-Methyl-2-Pentanone	7.94	43	255	1144.505	ug/l	92
52) Toluene	7.49	92	83	82.123	ug/l #	1
53) t-1,3-Dichloropropene	7.99	75	80	130.824	ug/l #	44
54) cis-1,3-Dichloropropene	7.10	75	111	153.163	ug/l #	26
55) 1,1,2-Trichloroethane	8.21	97	192	634.029	ug/l #	15
56) Ethyl methacrylate	8.30	69	61	179.521	ug/l #	1
57) 1,3-Dichloropropane	8.60	76	59	115.130	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.37	63	63	1798.953	ug/l	100
59) 2-Hexanone	9.14	43	384	Below Cal	#	29
60) Dibromochloromethane	8.27	129	99	202.939	ug/l #	10
61) 1,2-Dibromoethane	8.64	107	137	390.743	ug/l #	4
64) Tetrachloroethene	8.29	164	73	139.288	ug/l #	1
65) Chlorobenzene	9.96	112	69	55.315	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	10.21	131	73	128.427	ug/l #	64
67) Ethyl Benzene	10.13	91	96	40.278	ug/l #	47
68) m/p-Xylenes	10.31	106	95	116.711	ug/l #	1
69) o-Xylene	10.86	106	65	70.906	ug/l #	1
70) Styrene	10.76	104	66	51.068	ug/l #	27
71) Bromoform	10.84	173	66	225.116	ug/l #	34
73) Isopropylbenzene	11.26	105	101	15.919	ug/l #	51
74) N-amyl acetate	11.46	43	166	130.648	ug/l #	7
75) 1,1,2,2-Tetrachloroethane	11.84	83	64	60.450	ug/l #	25
76) 1,2,3-Trichloropropane	11.86	75	64	80.360	ug/l #	41
77) Bromobenzene	11.68	156	70	50.145	ug/l #	1
78) n-propylbenzene	11.73	91	63	8.372	ug/l #	55
79) 2-Chlorotoluene	11.82	91	64	14.209	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.85	105	67	12.221	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.96	75	60	172.478	ug/l #	15
82) 4-Chlorotoluene	11.82	91	64	13.705	ug/l #	44
84) 1,2,4-Trimethylbenzene	12.28	105	62	11.134	ug/l #	32
85) sec-Butylbenzene	12.28	105	62	8.327	ug/l #	58
86) p-Isopropyltoluene	12.53	119	85	13.910	ug/l #	48
89) n-Butylbenzene	12.95	91	76	7.844	ug/l #	28
90) Hexachloroethane	12.94	117	73	46.284	ug/l #	23
91) 1,2-Dichlorobenzene	13.15	146	60	22.855	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.82	75	95	432.765	ug/l #	6
94) Hexachlorobutadiene	14.34	225	63	45.250	ug/l #	21
95) Naphthalene	14.53	128	125	35.936	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.12 min Scan# 455

Delta R.T. 0.06 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

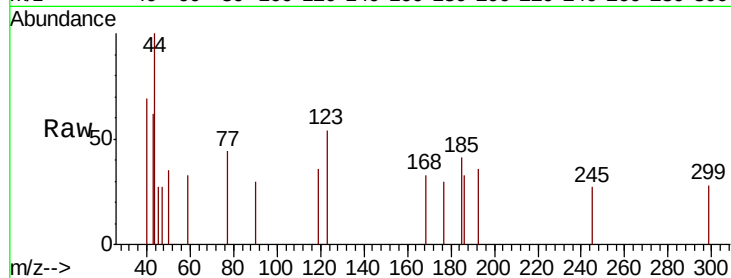
DL-SED-01

Tot Ion:168 Resp: 77

Ion Ratio Lower Upper

168 100

99 0.0 62.6 93.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.12

150

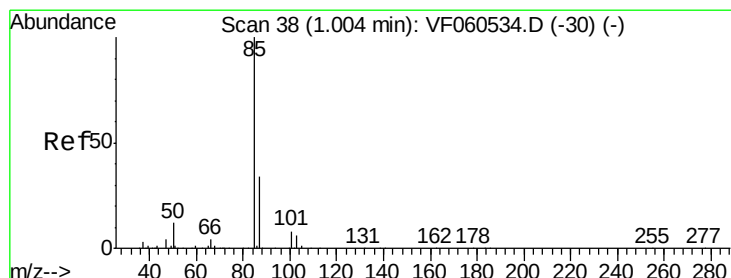
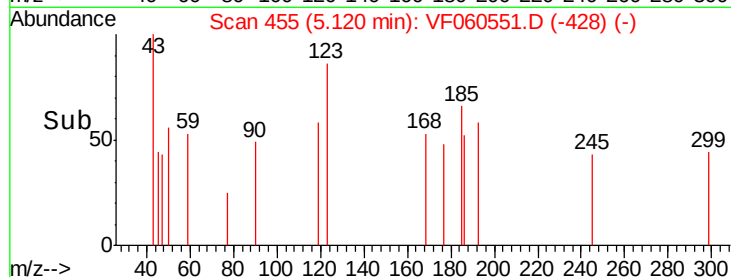
100

50

0

5.10 5.12 5.14

Time-->



#2

Dichlorodifluoromethane

Concen: 47.964 ug/l

RT: 0.94 min Scan# 31

Delta R.T. -0.06 min

Lab File: VF060551.D

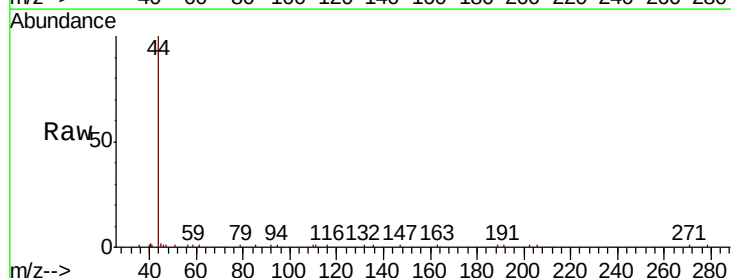
Acq: 30 Oct 2018 18:14

Tgt Ion: 85 Resp: 63

Ion Ratio Lower Upper

85 100

87 0.0 16.9 50.7#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

120

100

80

60

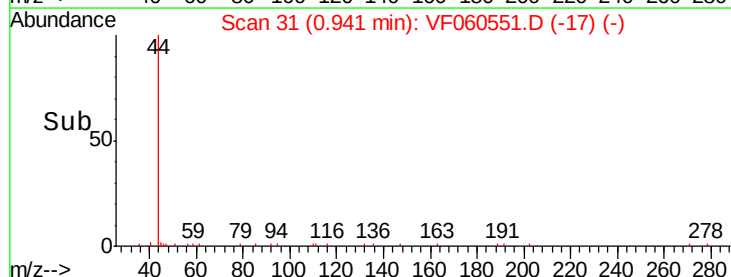
40

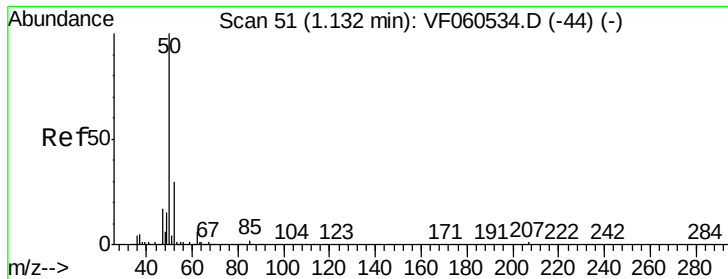
20

0

0.92 0.94 0.96

Time-->





#3

Chloromethane

Concen: 196.216 ug/l

RT: 1.21 min Scan# 58

Delta R.T. 0.07 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

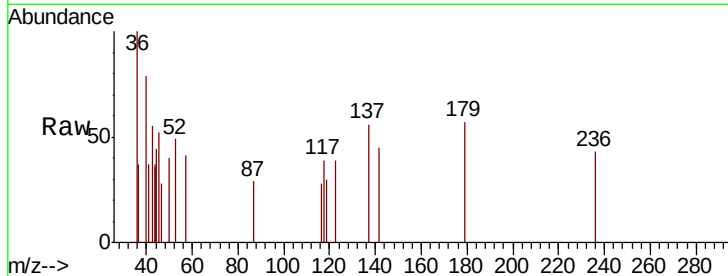
DL-SED-01

Tot Ion: 50 Resp: 150

Ion Ratio Lower Upper

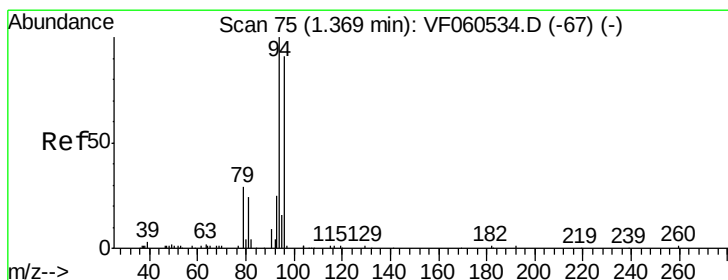
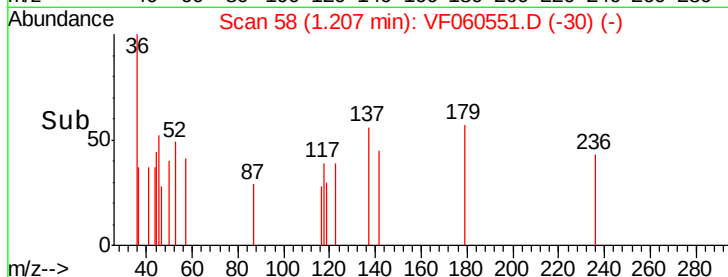
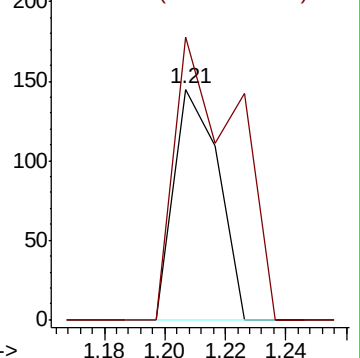
50 100

52 122.8 22.8 34.2#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#5

Bromomethane

Concen: 103.373 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.12 min

Lab File: VF060551.D

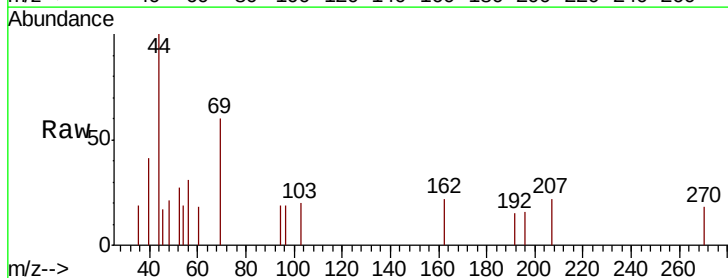
Acq: 30 Oct 2018 18:14

Tgt Ion: 94 Resp: 75

Ion Ratio Lower Upper

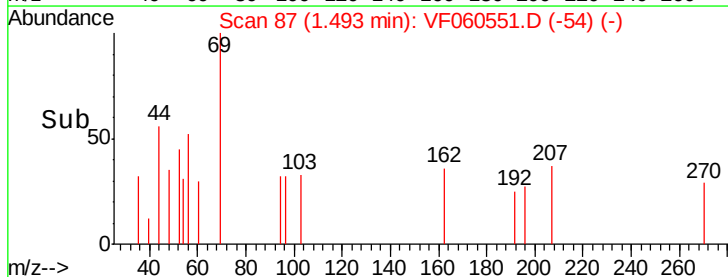
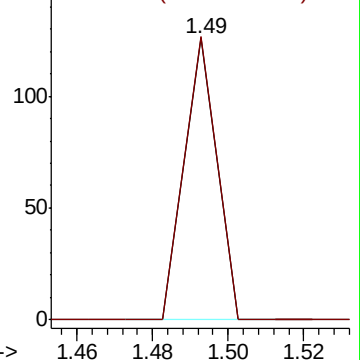
94 100

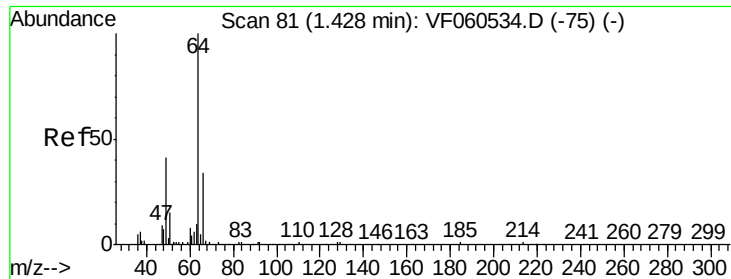
96 100.8 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 139.389 ug/l

RT: 1.46 min Scan# 84

Delta R.T. 0.04 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

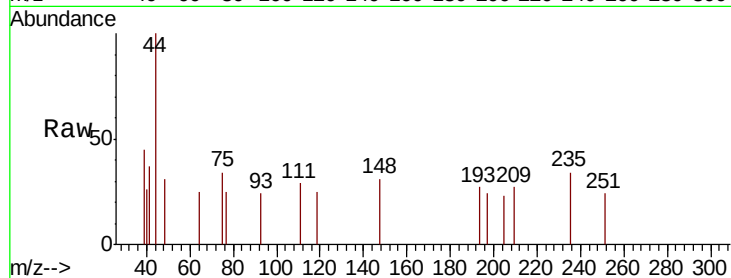
DL-SED-01

Tot Ion: 64 Resp: 67

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.46

100

80

60

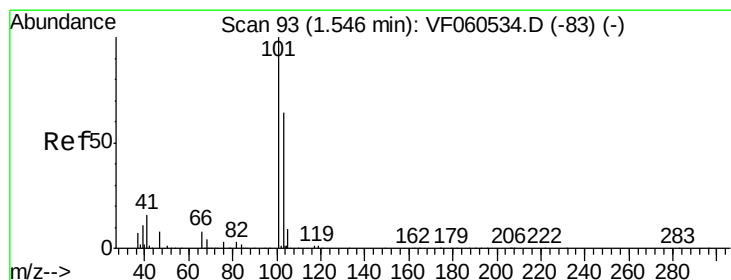
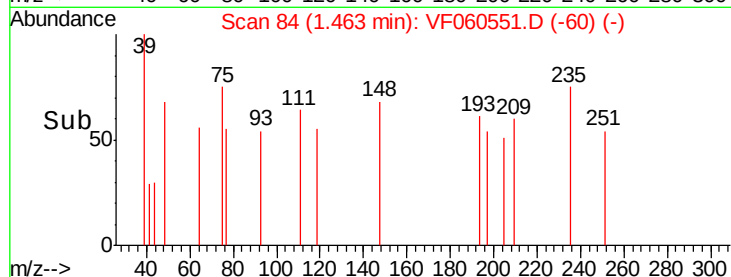
40

20

0

1.44 1.46 1.48

Time-->



#7

Trichlorofluoromethane

Concen: 66.990 ug/l

RT: 1.58 min Scan# 96

Delta R.T. 0.04 min

Lab File: VF060551.D

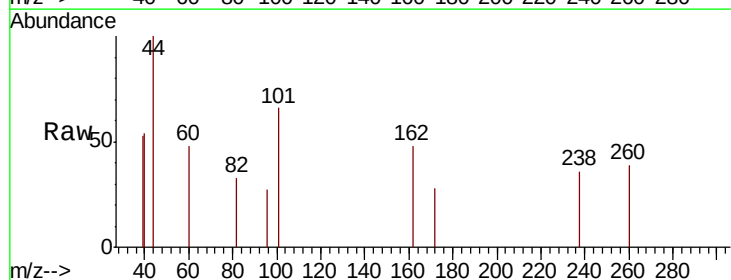
Acq: 30 Oct 2018 18:14

Tgt Ion: 101 Resp: 149

Ion Ratio Lower Upper

101 100

103 0.0 51.6 77.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

300

250

200

150

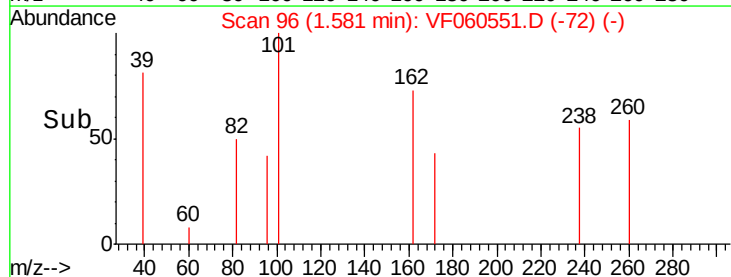
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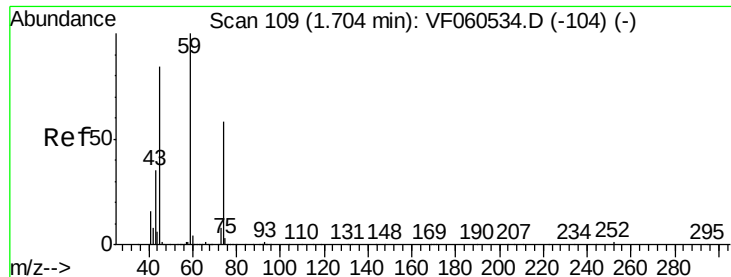
50

0

1.56 1.58 1.60

Time-->





#8

Diethyl Ether

Concen: 283.203 ug/l

RT: 1.60 min Scan# 98

Delta R.T. -0.10 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

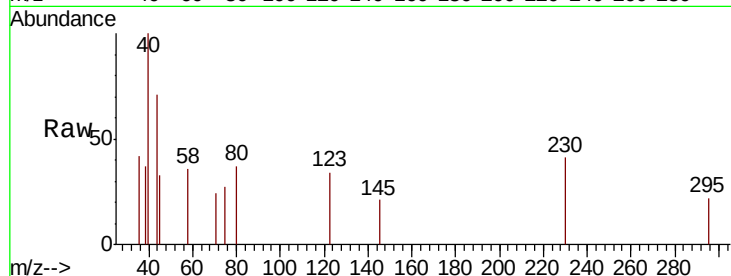
DL-SED-01

Tot Ion: 74 Resp: 79

Ion Ratio Lower Upper

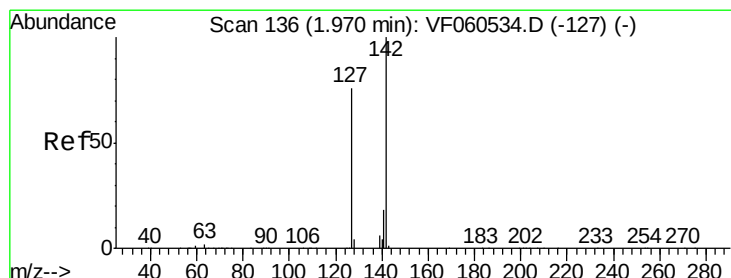
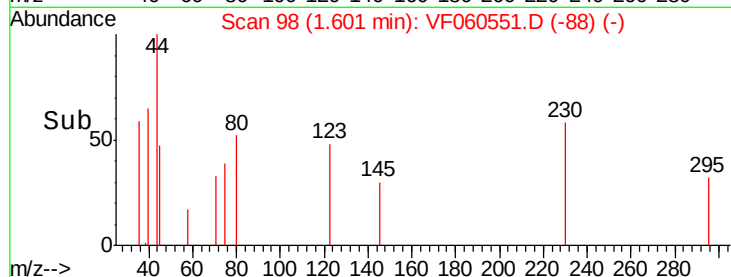
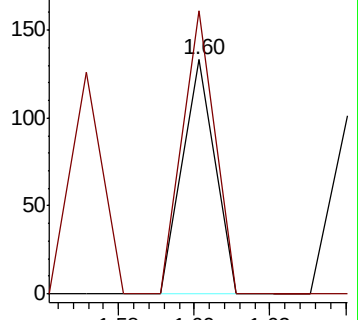
74 100

45 121.1 72.9 218.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#10

Methyl Iodide

Concen: 39.229 ug/l

RT: 1.99 min Scan# 137

Delta R.T. 0.02 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

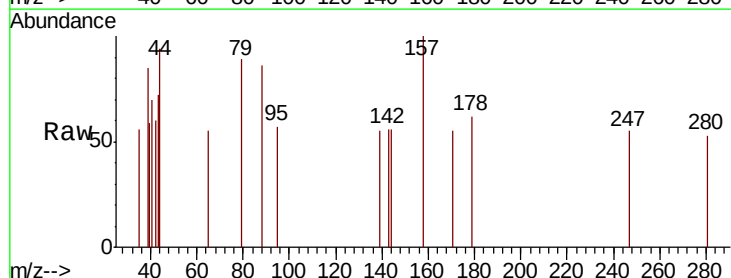
Tgt Ion: 142 Resp: 66

Ion Ratio Lower Upper

142 100

127 0.0 61.2 91.8#

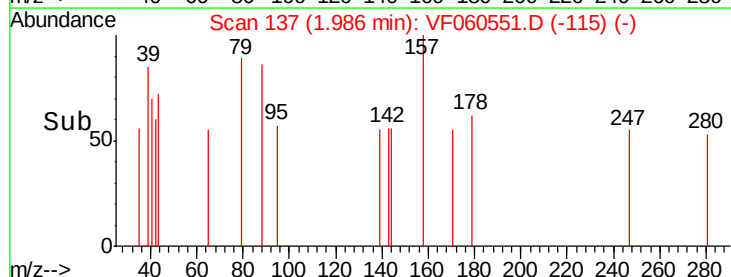
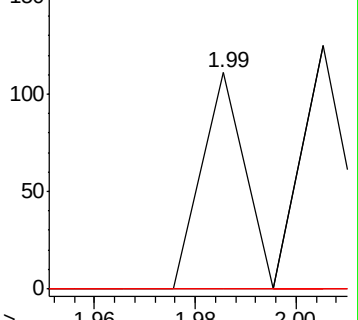
141 0.0 14.0 21.0#

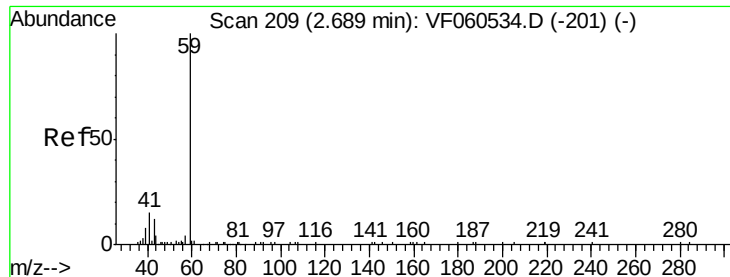


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



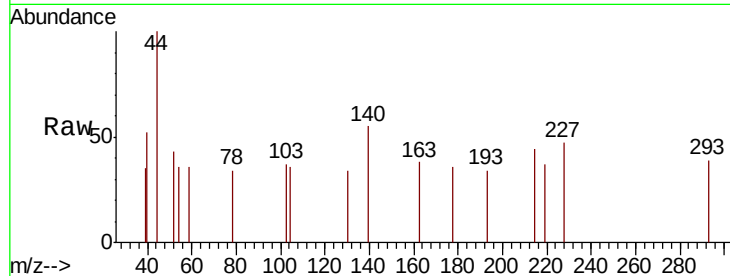


#11

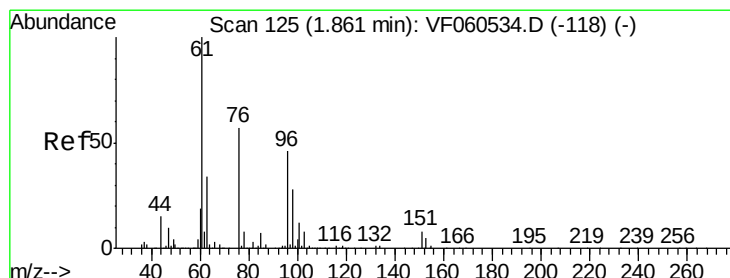
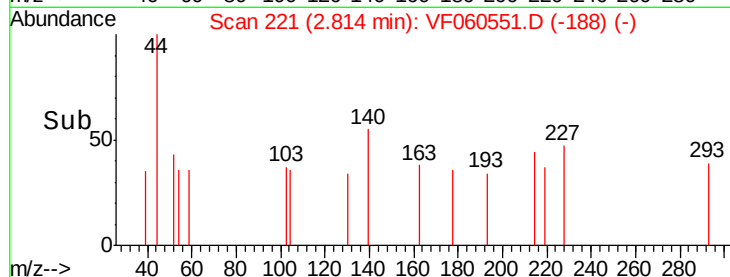
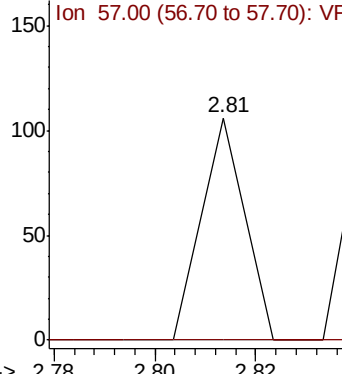
Tert butyl alcohol
 Concen: 993.370 ug/l
 RT: 2.81 min Scan# 221
 Delta R.T. 0.12 min
 Lab File: VF060551.D
 Acq: 30 Oct 2018 18:14

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01

Tot Ion: 59 Resp: 63
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.9 13.3#



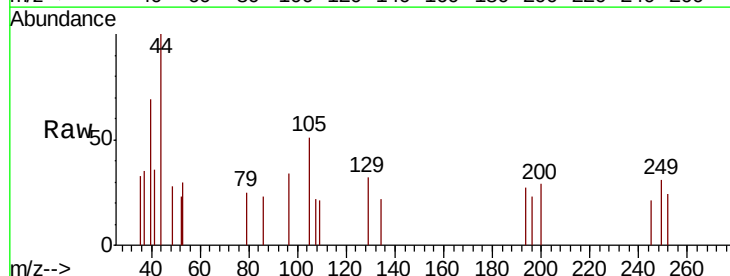
Abundance Ion 59.00 (58.70 to 59.70): VF0
 Ion 57.00 (56.70 to 57.70): VF0



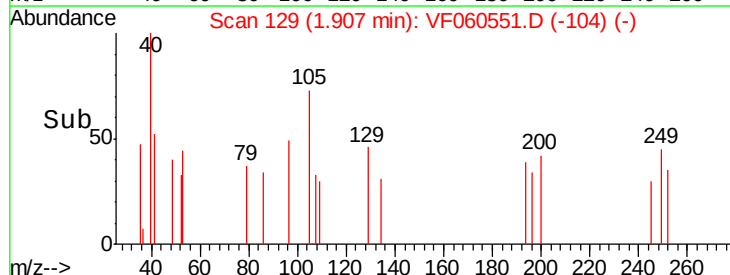
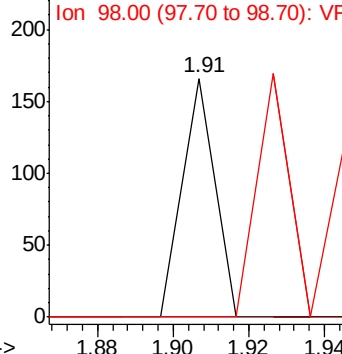
#12

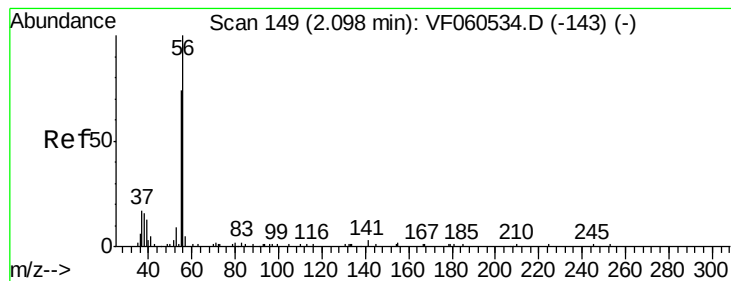
1,1-Dichloroethene
 Concen: 113.251 ug/l
 RT: 1.91 min Scan# 129
 Delta R.T. 0.05 min
 Lab File: VF060551.D
 Acq: 30 Oct 2018 18:14

Tgt Ion: 96 Resp: 98
 Ion Ratio Lower Upper
 96 100
 61 0.0 175.4 263.2#
 98 0.0 48.9 73.3#



Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0





#13

Acrolein

Concen: 2059.624 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.16 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

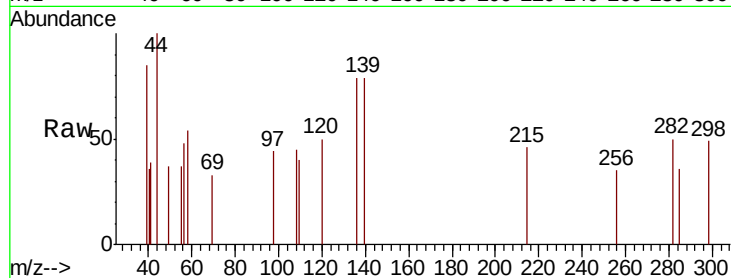
DL-SED-01

Tot Ion: 56 Resp: 88

Ion Ratio Lower Upper

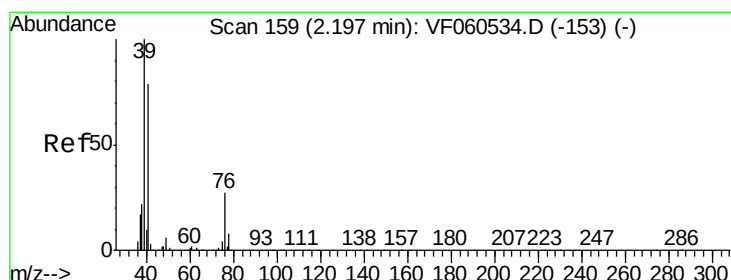
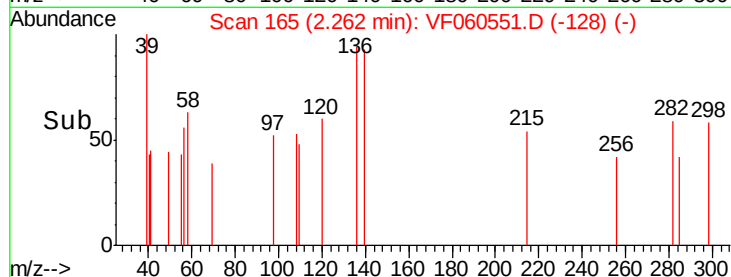
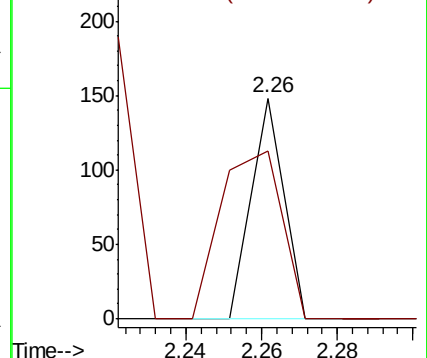
56 100

55 76.4 60.4 90.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 247.834 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.06 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

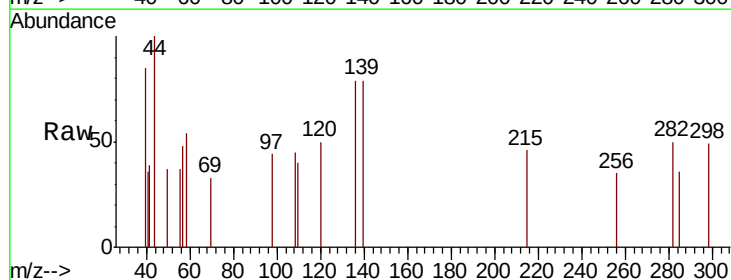
Tgt Ion: 41 Resp: 341

Ion Ratio Lower Upper

41 100

39 113.4 100.6 151.0

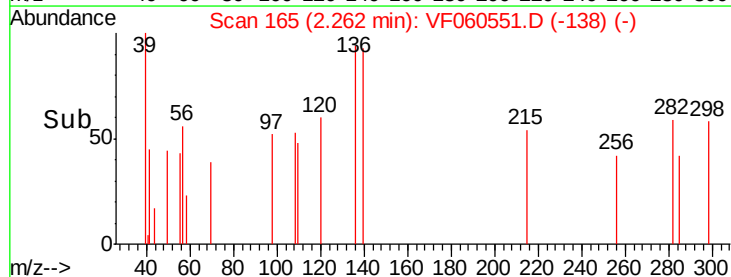
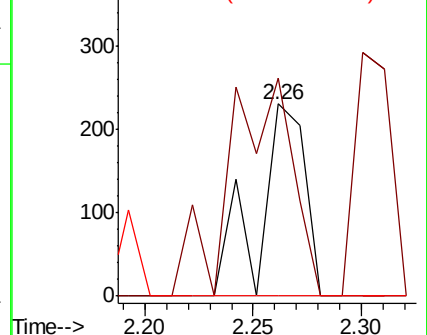
76 0.0 27.6 41.4#

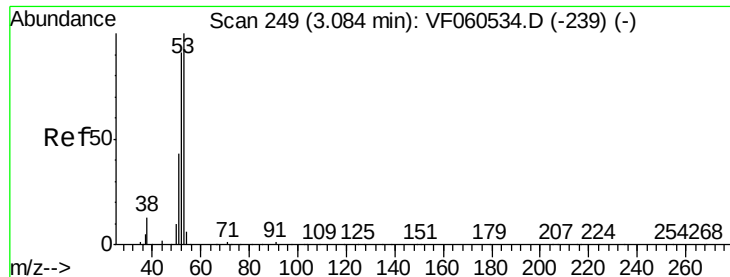


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 842.017 ug/l

RT: 3.13 min Scan# 253

Delta R.T. 0.05 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01

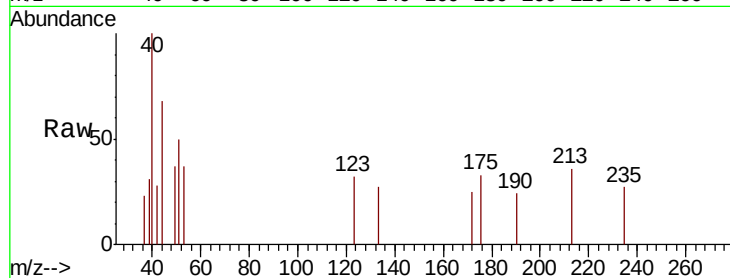
Tot Ion: 53 Resp: 100

Ion Ratio Lower Upper

53 100

52 0.0 73.2 109.8#

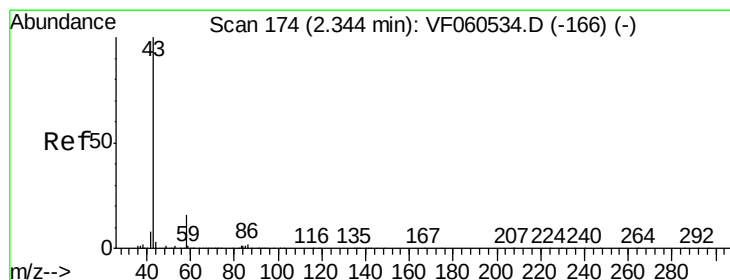
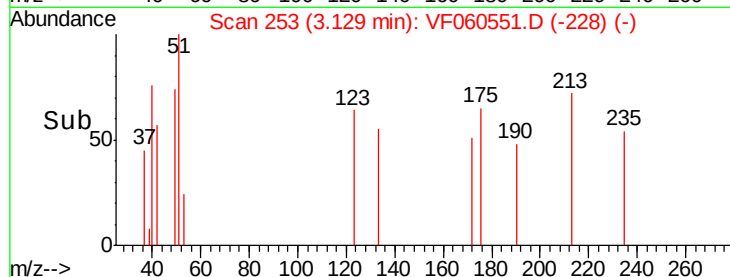
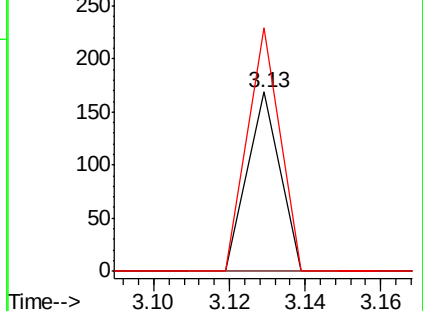
51 135.5 35.0 52.4#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 1009.856 ug/l

RT: 2.38 min Scan# 177

Delta R.T. 0.04 min

Lab File: VF060551.D

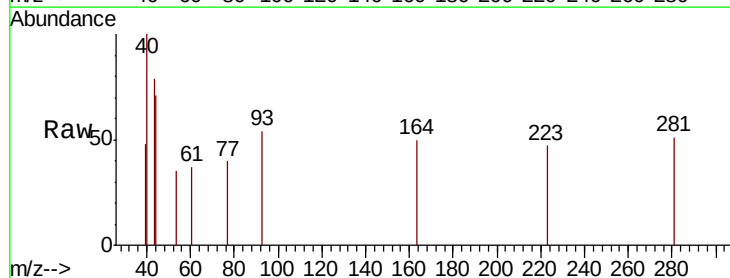
Acq: 30 Oct 2018 18:14

Tgt Ion: 43 Resp: 224

Ion Ratio Lower Upper

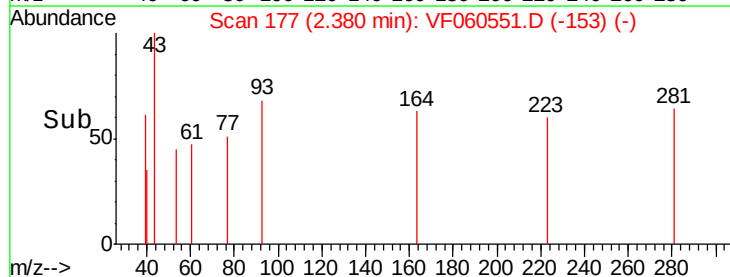
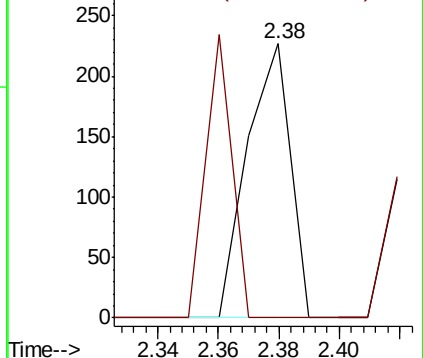
43 100

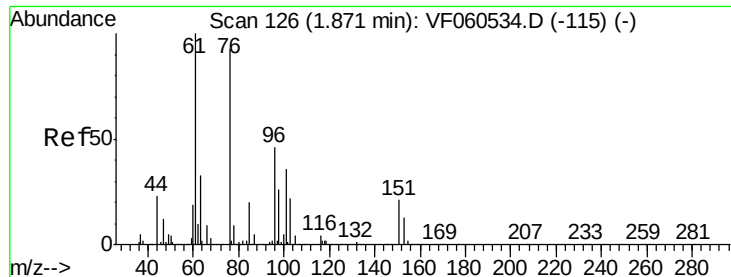
58 0.0 12.8 19.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

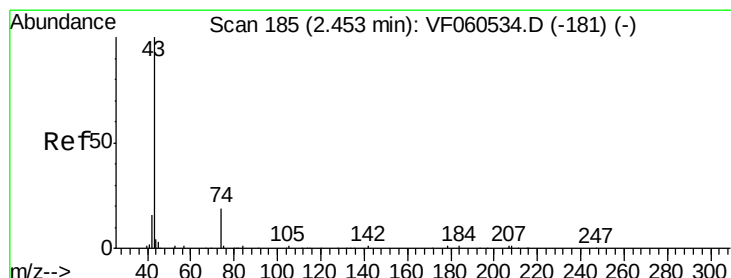
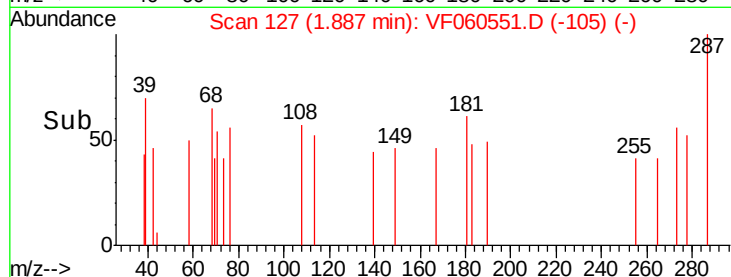
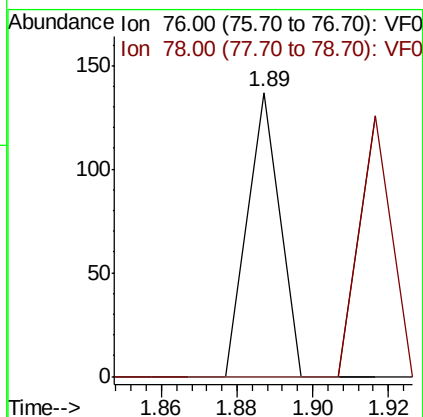
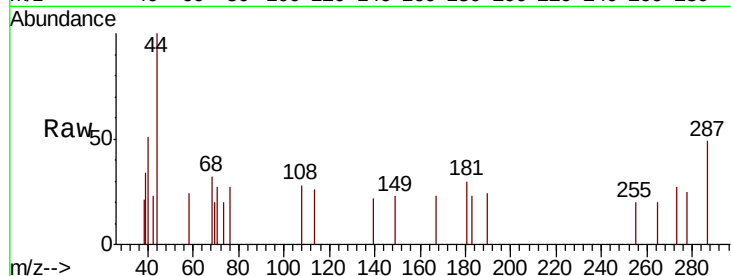




#17
Carbon Disulfide
Concen: 33.306 ug/l
RT: 1.89 min Scan# 127
Delta R.T. 0.02 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

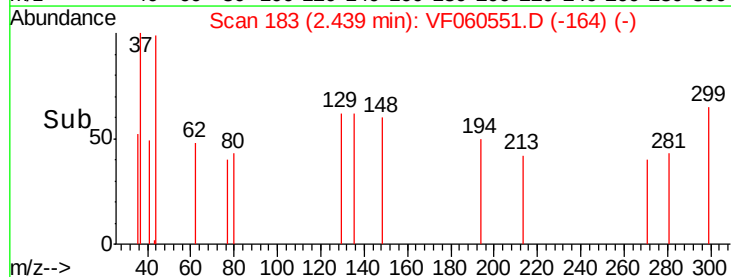
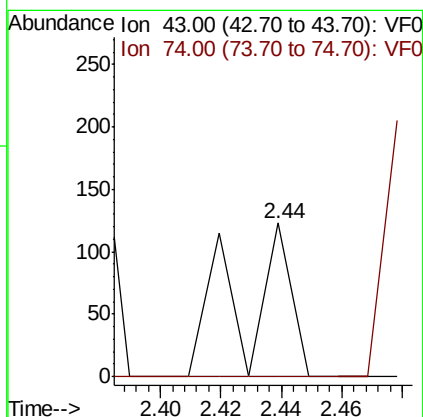
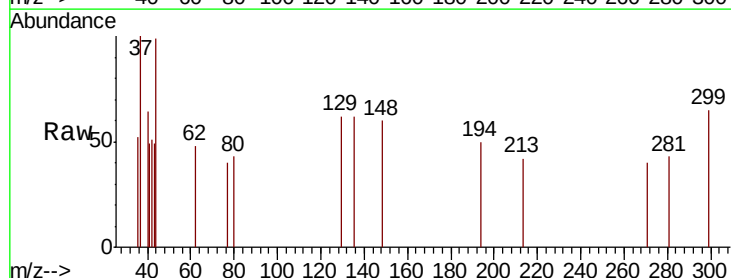
Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01

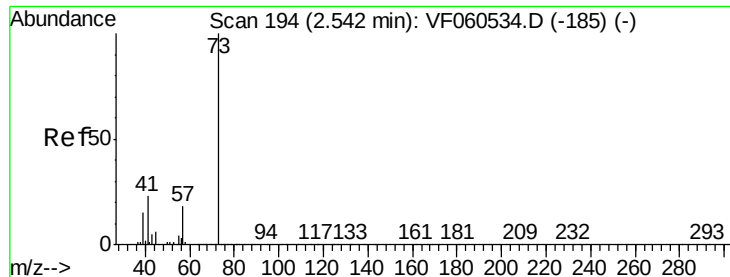
Tot Ion: 76 Resp: 81
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#



#18
Methyl Acetate
Concen: 366.992 ug/l
RT: 2.44 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

Tgt Ion: 43 Resp: 141
Ion Ratio Lower Upper
43 100
74 0.0 13.5 20.3#



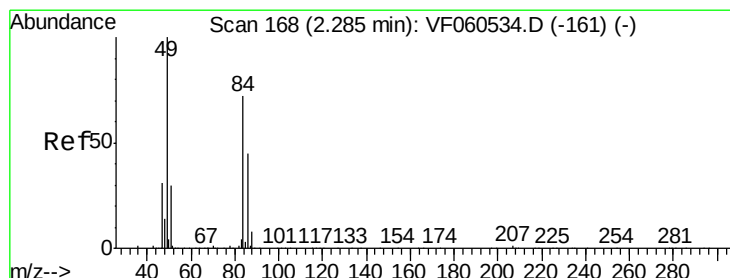
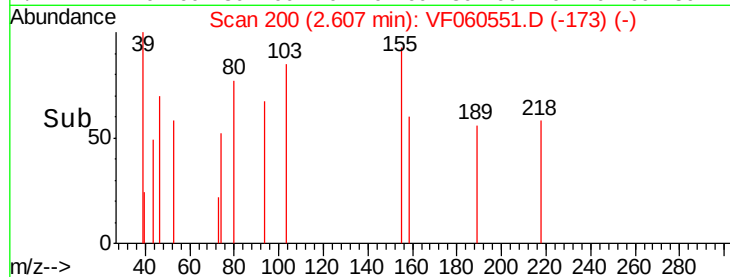
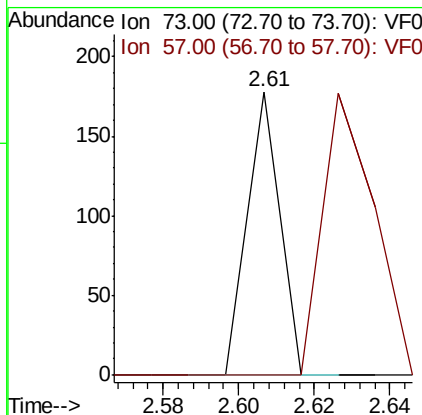
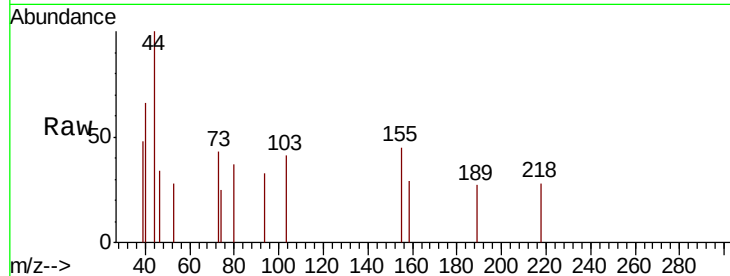


#19

Methyl tert-butyl Ether
 Concen: 54.156 ug/l
 RT: 2.61 min Scan# 200
 Delta R.T. 0.06 min
 Lab File: VF060551.D
 Acq: 30 Oct 2018 18:14

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01

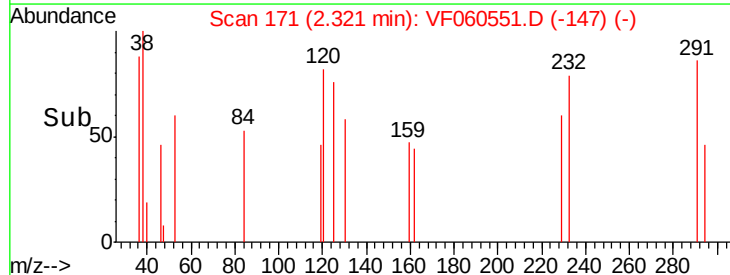
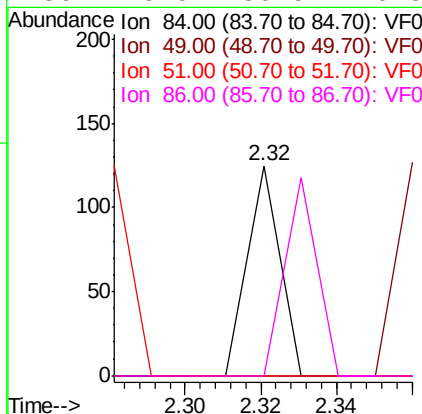
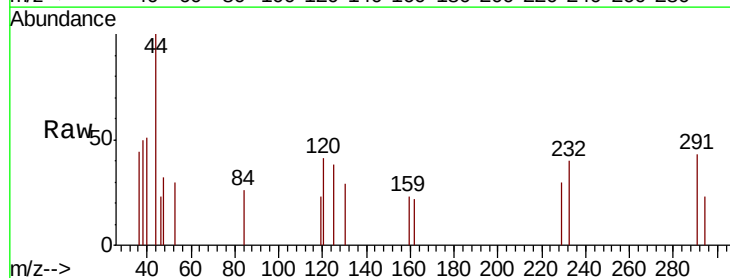
Tot Ion: 73 Resp: 105
 Ion Ratio Lower Upper
 73 100
 57 0.0 14.7 22.1#

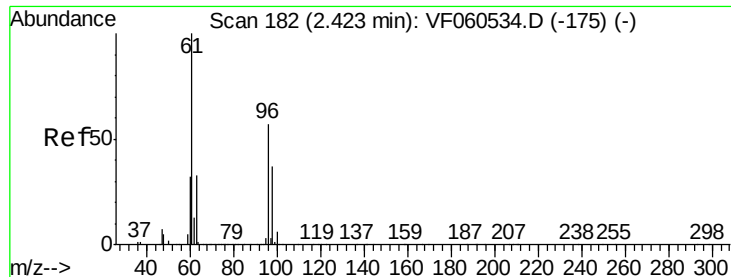


#20

Methylene Chloride
 Concen: 95.350 ug/l
 RT: 2.32 min Scan# 171
 Delta R.T. 0.04 min
 Lab File: VF060551.D
 Acq: 30 Oct 2018 18:14

Tgt Ion: 84 Resp: 74
 Ion Ratio Lower Upper
 84 100
 49 0.0 115.4 173.0#
 51 0.0 35.4 53.2#
 86 0.0 50.9 76.3#





#21

trans-1,2-Dichloroethene

Concen: 125.419 ug/l

RT: 2.47 min Scan# 186

Delta R.T. 0.05 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01

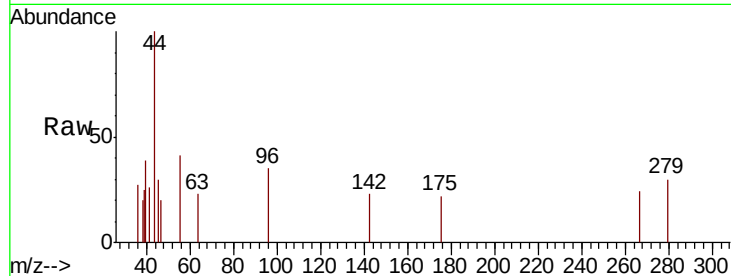
Tot Ion: 96 Resp: 111

Ion Ratio Lower Upper

96 100

61 0.0 139.8 209.6#

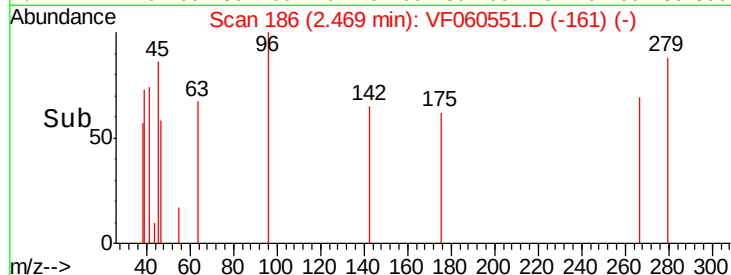
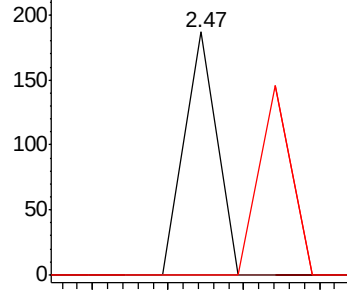
98 0.0 52.2 78.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 26.007 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.05 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Tgt Ion: 45 Resp: 65

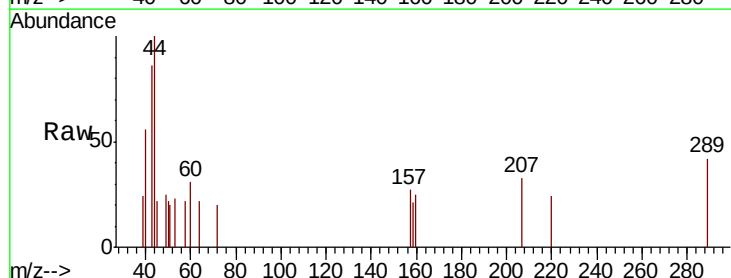
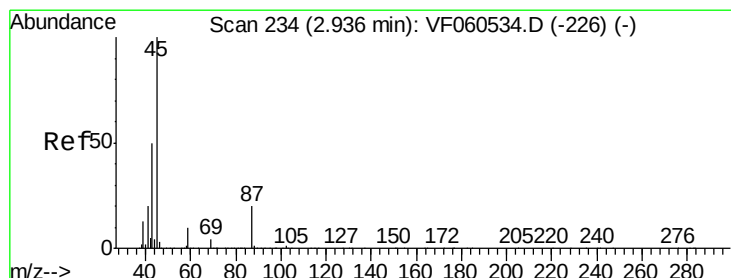
Ion Ratio Lower Upper

45 100

43 390.9 40.6 60.8#

87 0.0 15.9 23.9#

59 0.0 8.0 12.0#

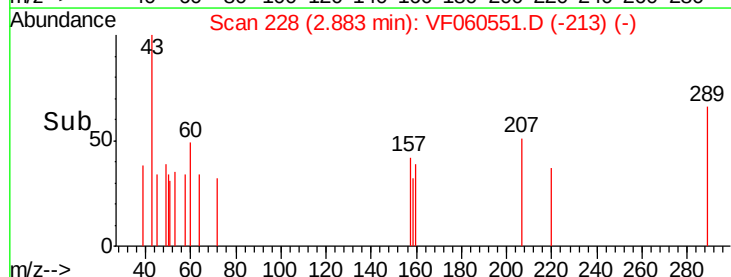
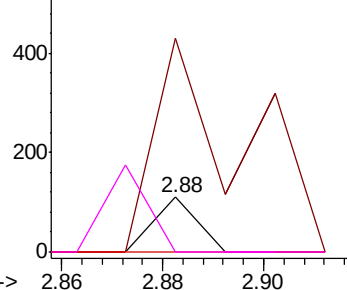


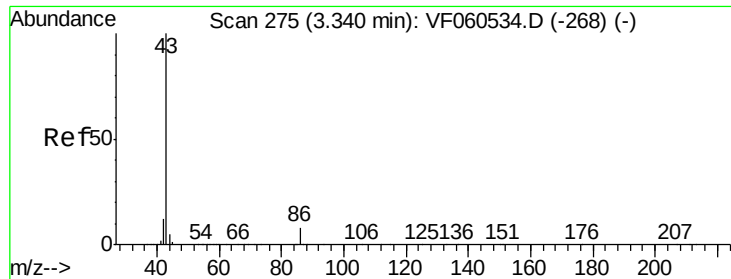
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 328.989 ug/l

RT: 3.35 min Scan# 275

Delta R.T. 0.01 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

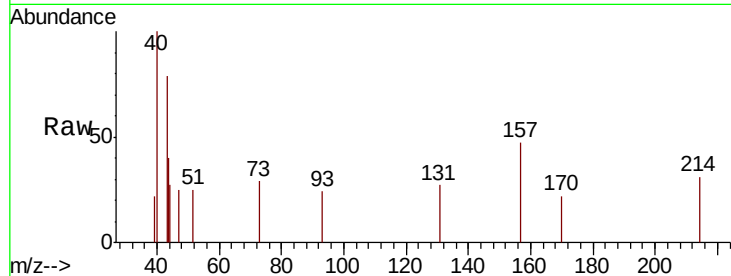
DL-SED-01

Tot Ion: 43 Resp: 305

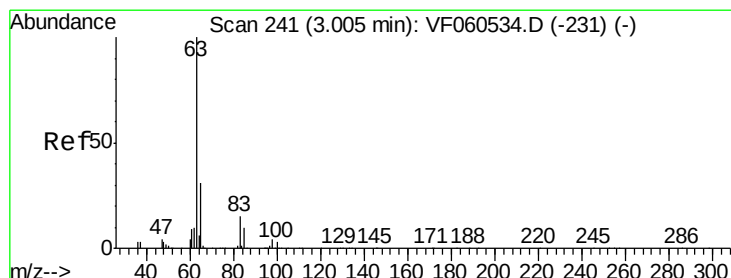
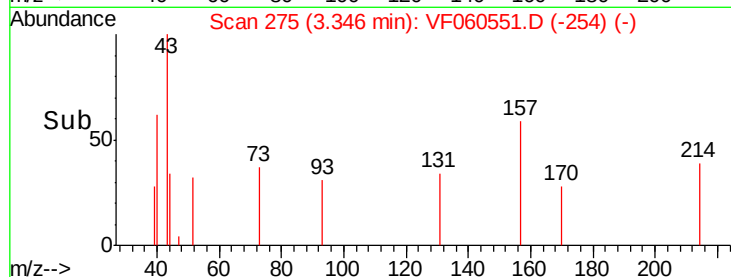
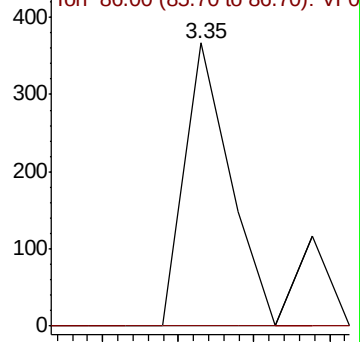
Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0



#24

1,1-Dichloroethane

Concen: 42.695 ug/l

RT: 3.10 min Scan# 250

Delta R.T. 0.09 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

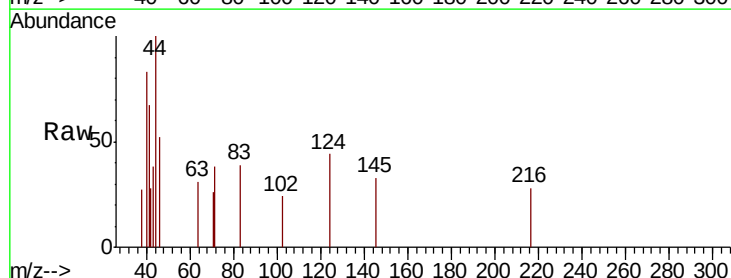
Tgt Ion: 63 Resp: 77

Ion Ratio Lower Upper

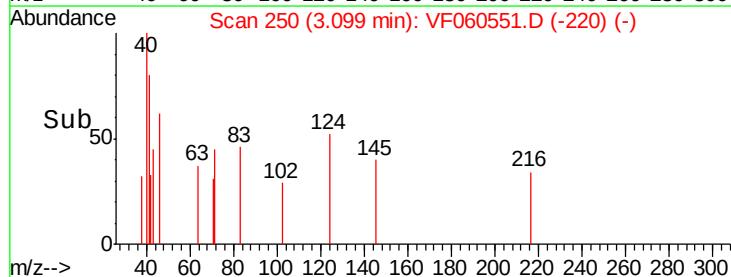
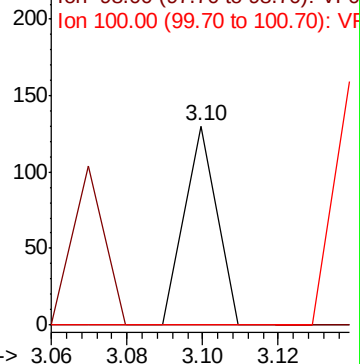
63 100

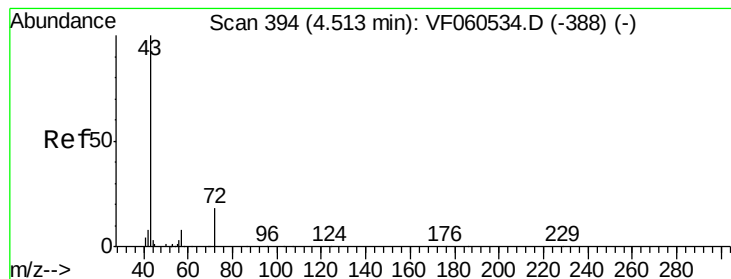
98 0.0 2.0 6.0#

100 0.0 1.4 4.0#



Abundance Ion 63.00 (62.70 to 63.70): VF0





#25

2-Butanone

Concen: 296.388 ug/l

RT: 4.58 min Scan# 400

Delta R.T. 0.06 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

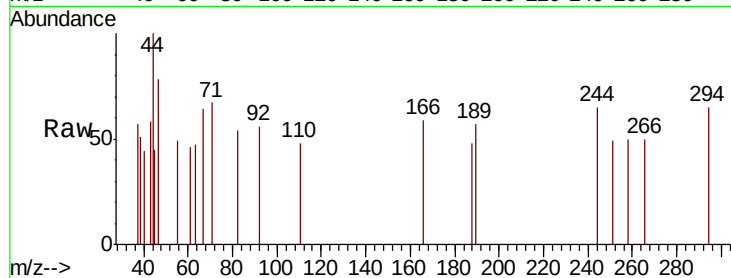
DL-SED-01

Tot Ion: 43 Resp: 81

Ion Ratio Lower Upper

43 100

72 0.0 17.4 26.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

200

150

100

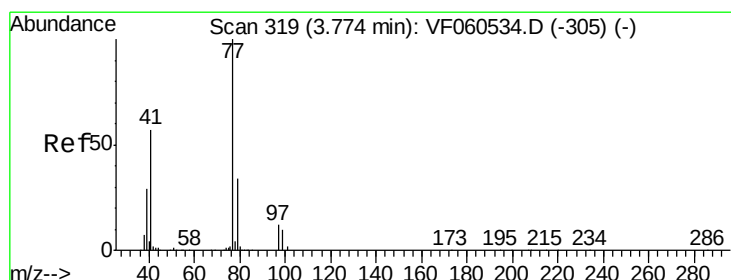
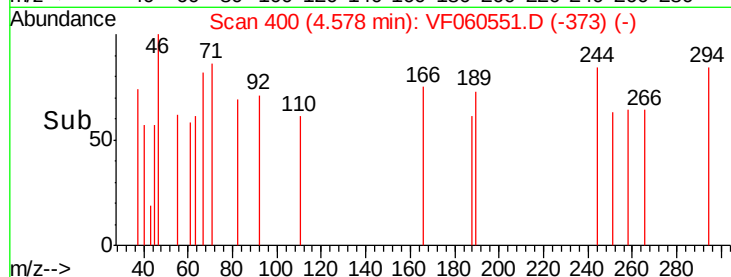
50

0

4.56

4.58

Time-->



#26

2,2-Dichloropropane

Concen: 293.545 ug/l

RT: 3.78 min Scan# 319

Delta R.T. 0.01 min

Lab File: VF060551.D

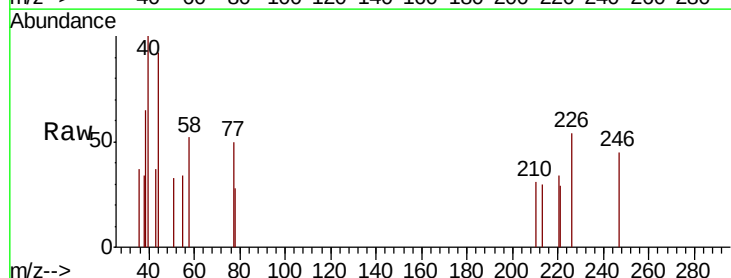
Acq: 30 Oct 2018 18:14

Tgt Ion: 77 Resp: 329

Ion Ratio Lower Upper

77 100

97 0.0 8.5 25.5#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

200

150

100

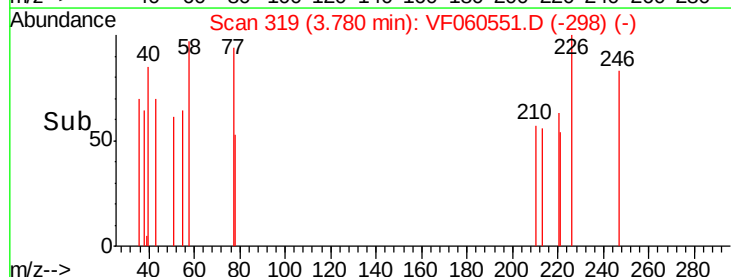
50

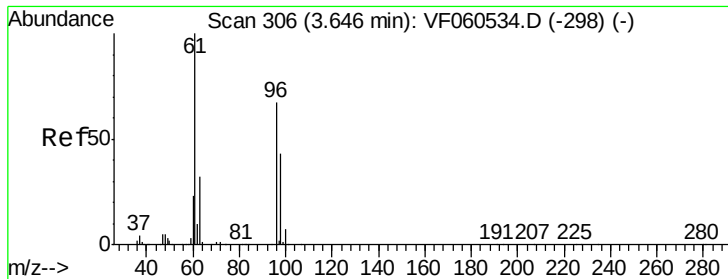
0

3.75

3.80

Time-->



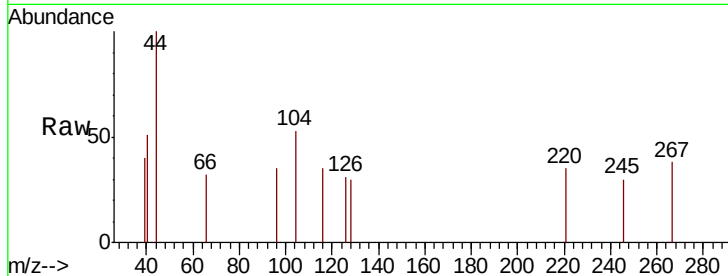


#27

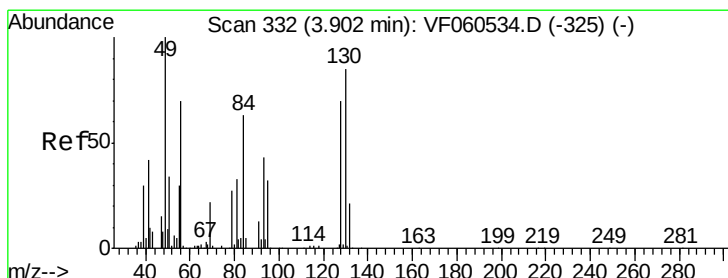
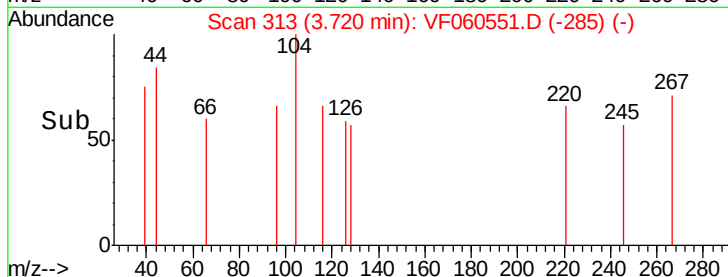
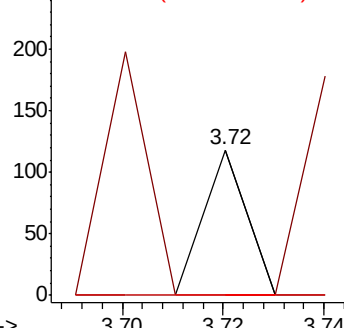
cis-1,2-Dichloroethene
Concen: 65.594 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.07 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01

Tot Ion:	96	Resp:	70
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	300.8
98	0.0	0.0	128.4



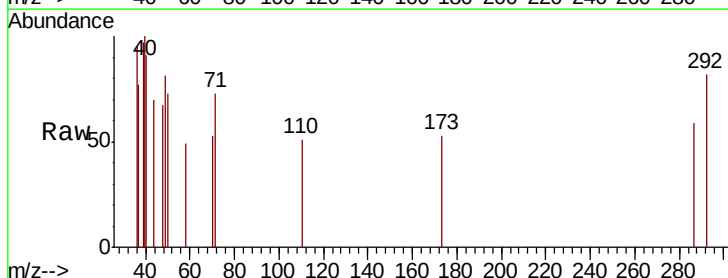
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



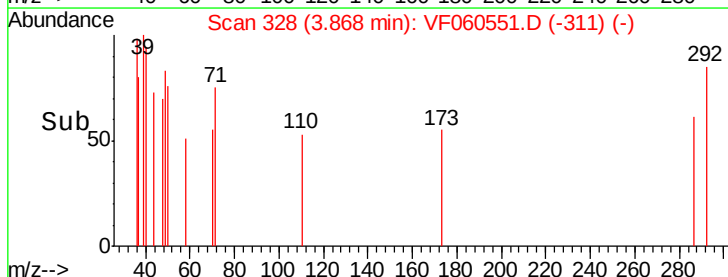
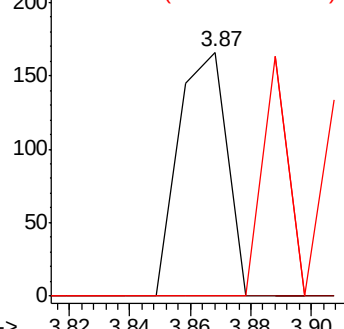
#28

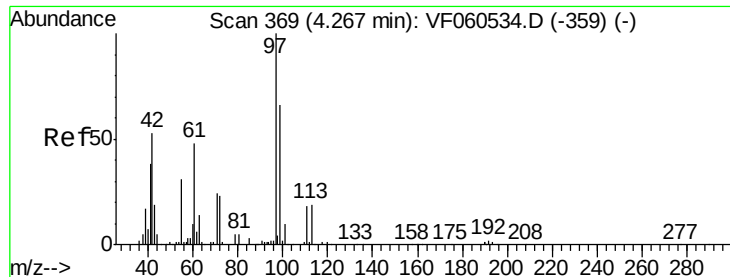
Bromochloromethane
Concen: 283.242 ug/l
RT: 3.87 min Scan# 328
Delta R.T. -0.03 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

Tgt Ion:	49	Resp:	184
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	0.0	67.5	101.3#



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 646.524 ug/l

RT: 4.31 min Scan# 373

Delta R.T. 0.05 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01

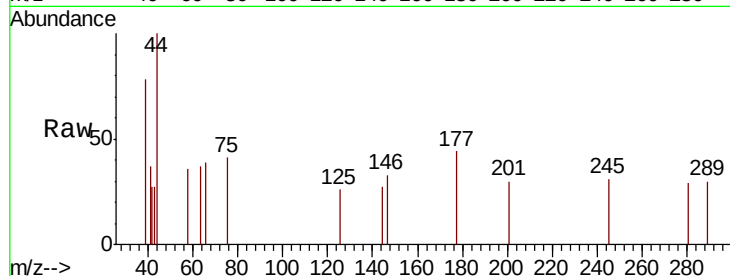
Tot Ion: 42 Resp: 62

Ion Ratio Lower Upper

42 100

72 0.0 32.5 48.7#

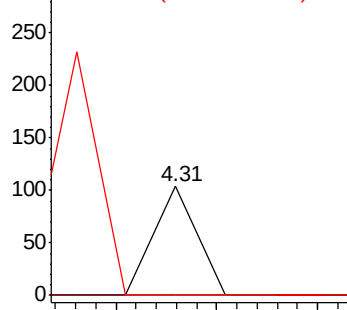
71 221.0 34.5 51.7#



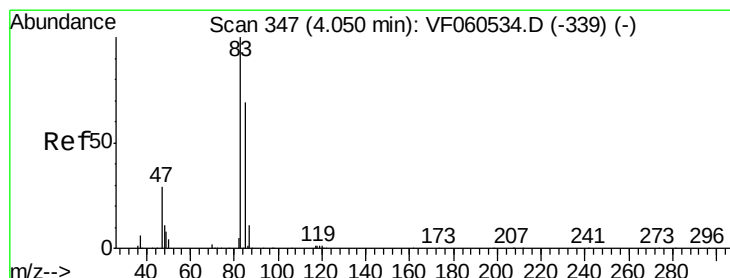
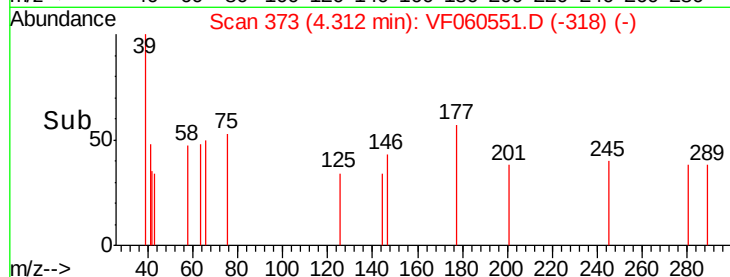
Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



Time-->



#30

Chloroform

Concen: 36.880 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.06 min

Lab File: VF060551.D

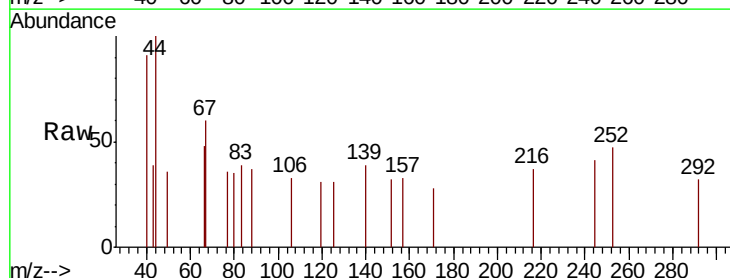
Acq: 30 Oct 2018 18:14

Tgt Ion: 83 Resp: 84

Ion Ratio Lower Upper

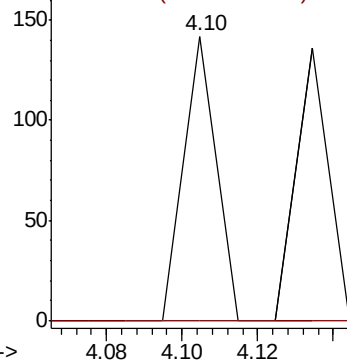
83 100

85 0.0 55.0 82.4#

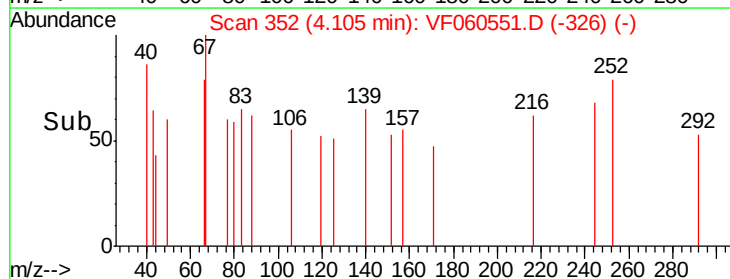


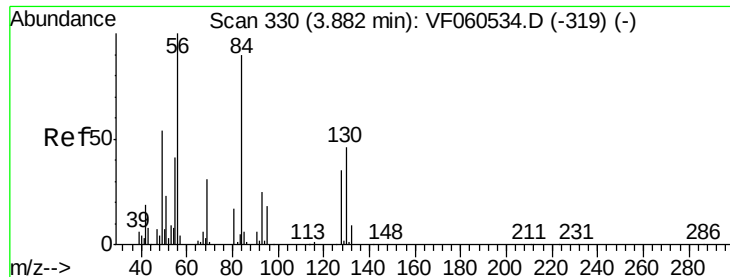
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



Time-->





#31

Cvclohexane

Concen: 82.316 ug/l

RT: 3.94 min Scan# 335

Delta R.T. 0.06 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01

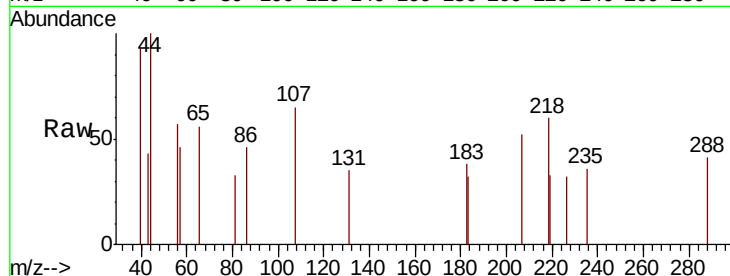
Tot Ion: 56 Resp: 106

Ion Ratio Lower Upper

56 100

69 0.0 25.0 37.6#

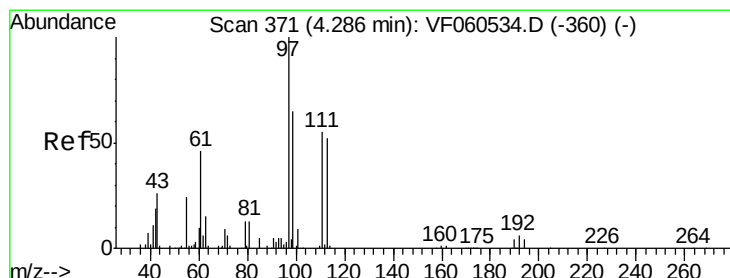
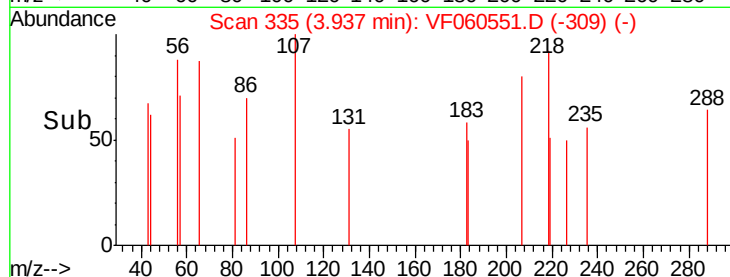
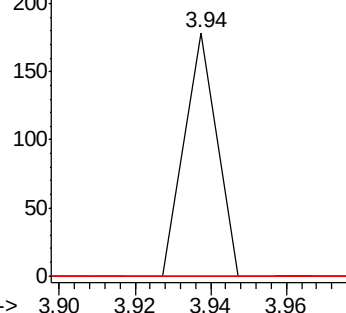
84 0.0 72.1 108.1#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 100.370 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.07 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

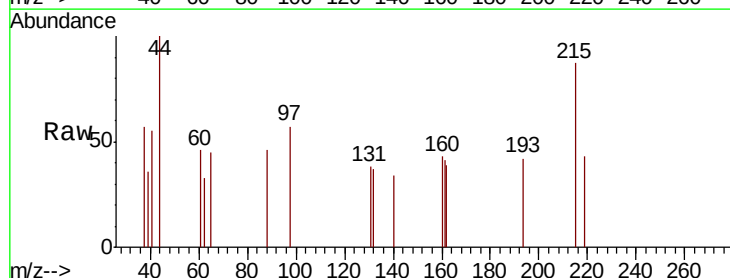
Tgt Ion: 97 Resp: 189

Ion Ratio Lower Upper

97 100

99 0.0 51.7 77.5#

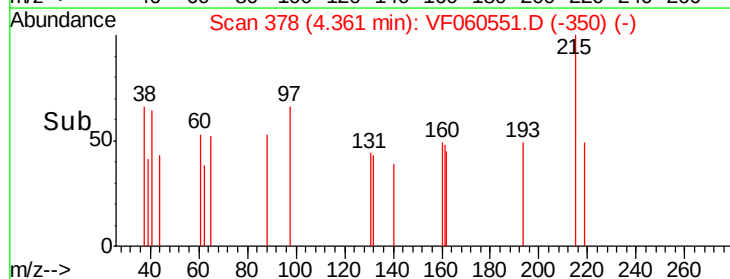
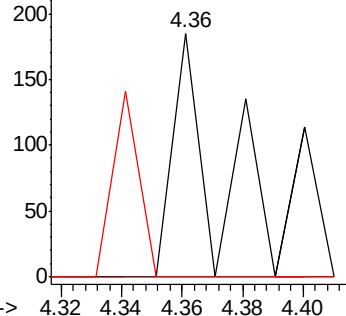
61 0.0 36.8 55.2#

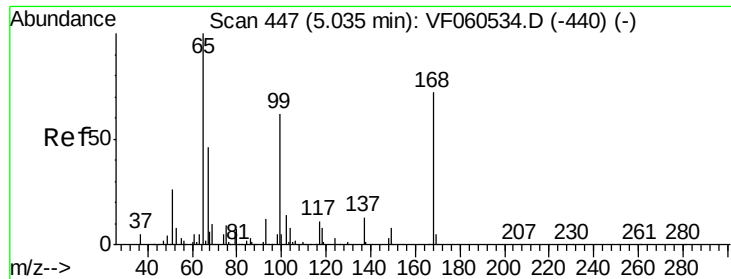


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 50.519 ug/l

RT: 5.16 min Scan# 459

Delta R.T. 0.12 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampled :

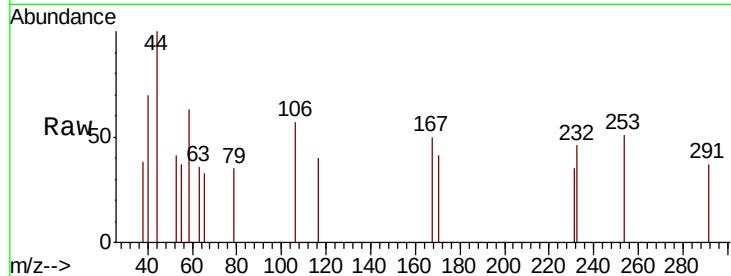
DL-SED-01

Tot Ion: 65 Resp: 60

Ion Ratio Lower Upper

65 100

67 0.0 0.0 94.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

120

100

80

60

40

20

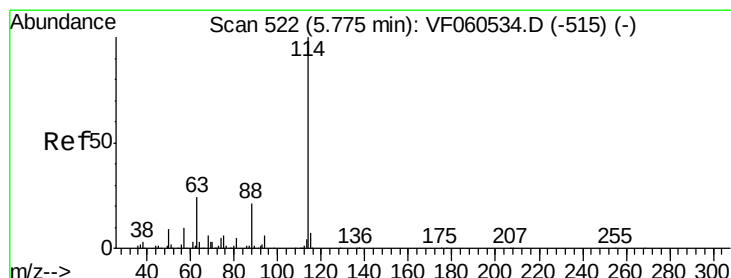
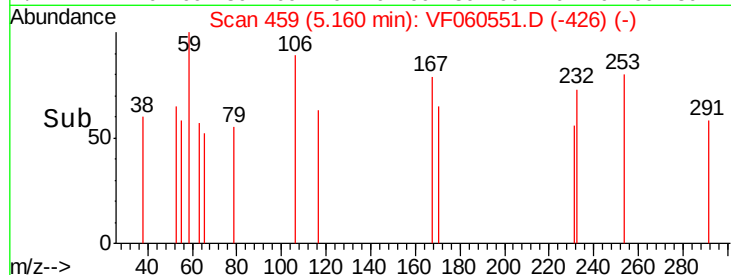
0

5.14

5.16

5.18

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.47 min Scan# 491

Delta R.T. -0.30 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

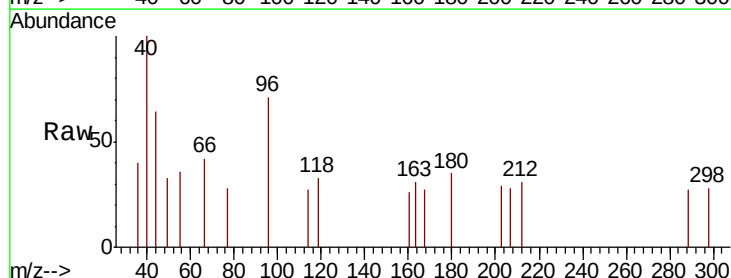
Tgt Ion: 114 Resp: 63

Ion Ratio Lower Upper

114 100

63 0.0 0.0 48.0

88 0.0 0.0 42.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

150

100

50

0

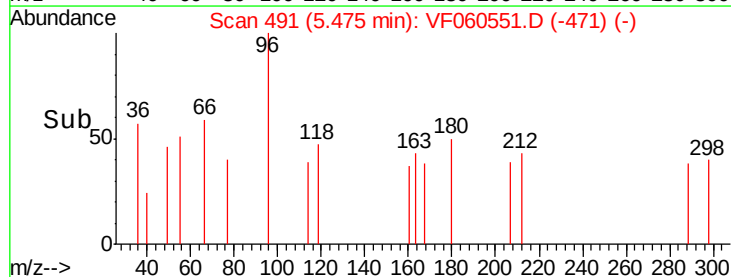
5.44

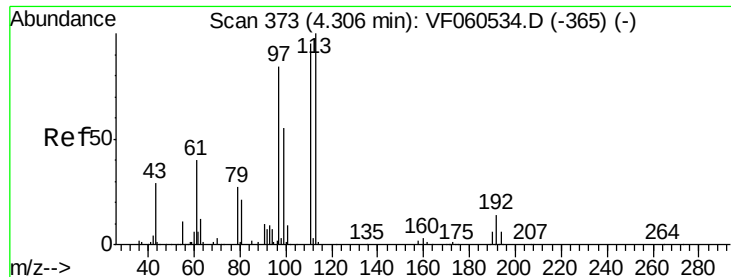
5.46

5.48

5.50

Time-->

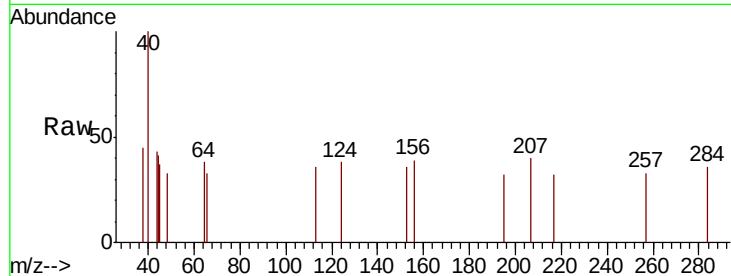




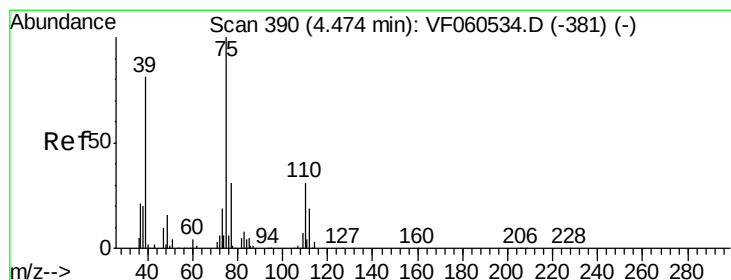
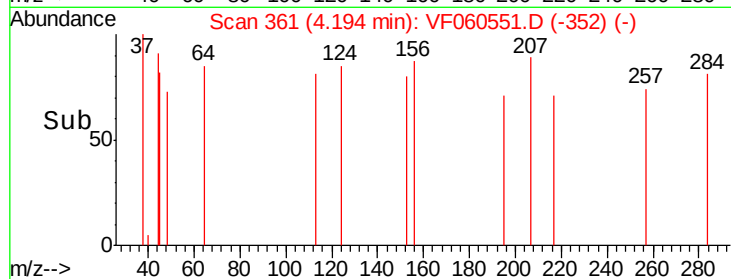
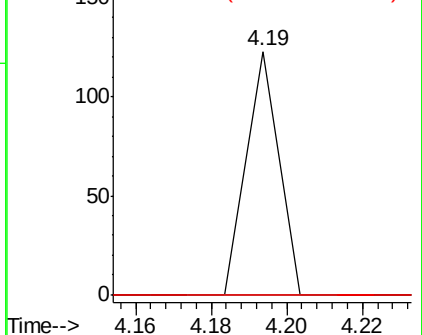
#35
 Dibromofluoromethane
 Concen: 120.755 ug/l
 RT: 4.19 min Scan# 361
 Delta R.T. -0.11 min
 Lab File: VF060551.D
 Acq: 30 Oct 2018 18:14

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01

Tot Ion:113 Resp: 73
 Ion Ratio Lower Upper
 113 100
 111 0.0 75.9 113.9#
 192 0.0 11.2 16.8#

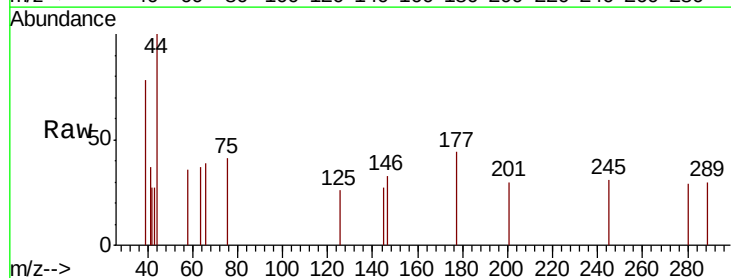


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

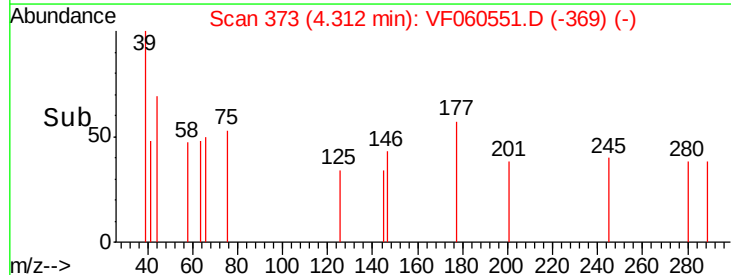
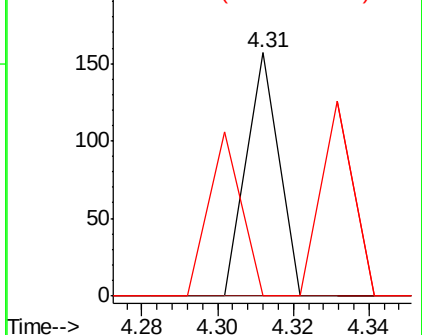


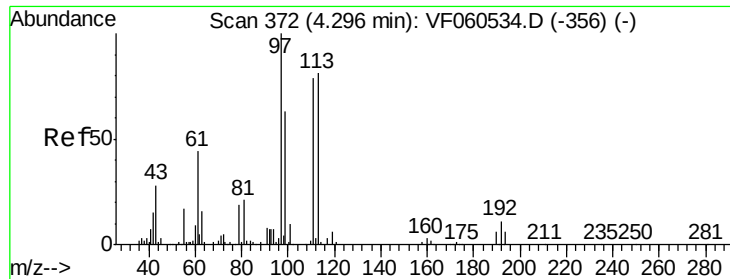
#36
 1,1-Dichloropropene
 Concen: 118.479 ug/l
 RT: 4.31 min Scan# 373
 Delta R.T. -0.16 min
 Lab File: VF060551.D
 Acq: 30 Oct 2018 18:14

Tgt Ion: 75 Resp: 93
 Ion Ratio Lower Upper
 75 100
 110 0.0 15.3 45.8#
 77 0.0 24.8 37.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VF0

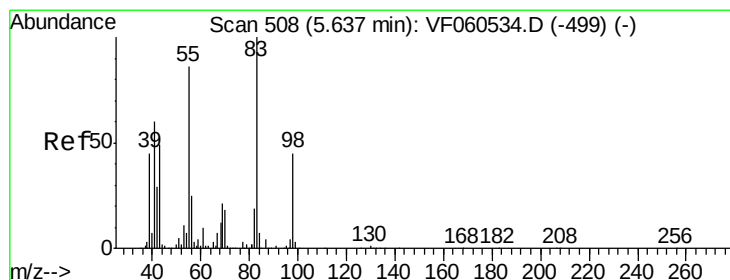
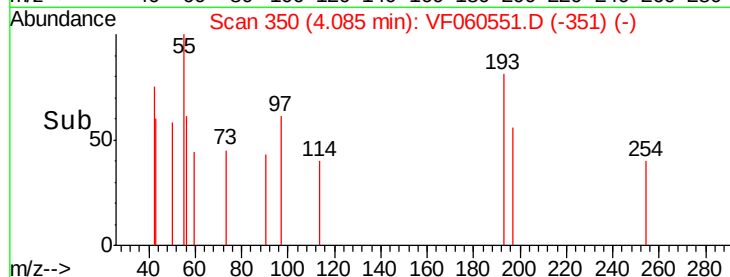
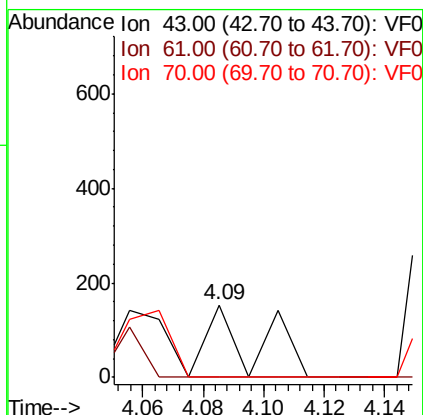
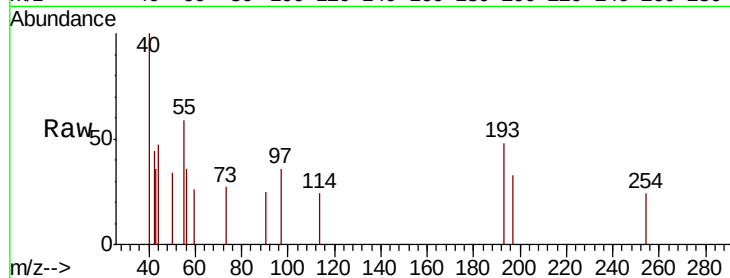




#37
Ethyl Acetate
Concen: 688.660 ug/l
RT: 4.09 min Scan# 350
Delta R.T. -0.21 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

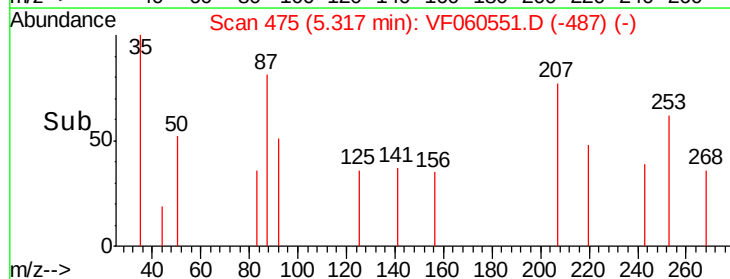
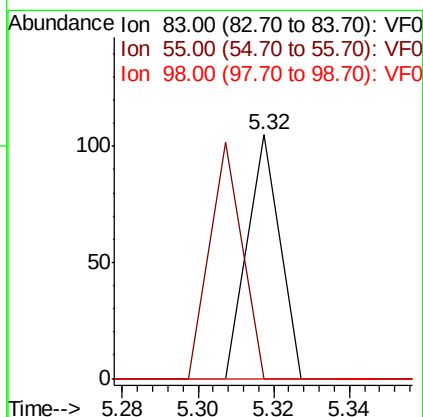
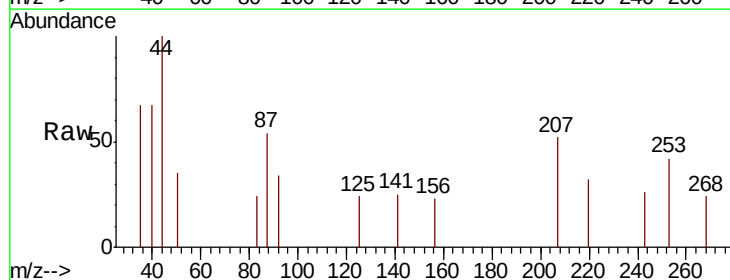
Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01

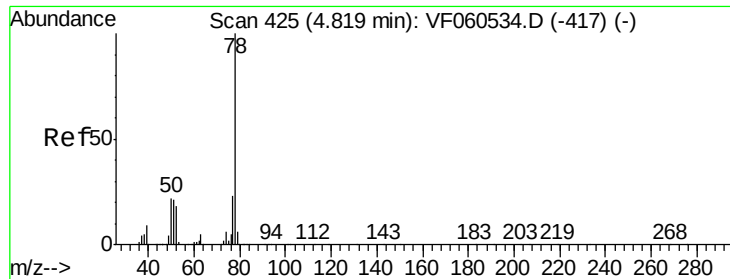
Tot Ion: 43 Resp: 175
Ion Ratio Lower Upper
43 100
61 0.0 123.9 185.9#
70 0.0 7.3 10.9#



#39
Methylcyclohexane
Concen: 78.215 ug/l
RT: 5.32 min Scan# 475
Delta R.T. -0.32 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

Tgt Ion: 83 Resp: 62
Ion Ratio Lower Upper
83 100
55 0.0 69.0 103.4#
98 0.0 36.1 54.1#





#40

Benzene

Concen: 38.540 ug/l

RT: 4.59 min Scan# 401

Delta R.T. -0.23 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

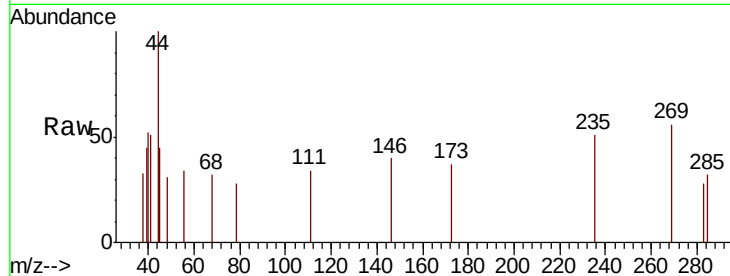
DL-SED-01

Tot Ion: 78 Resp: 60

Ion Ratio Lower Upper

78 100

77 0.0 18.5 27.7#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

200

150

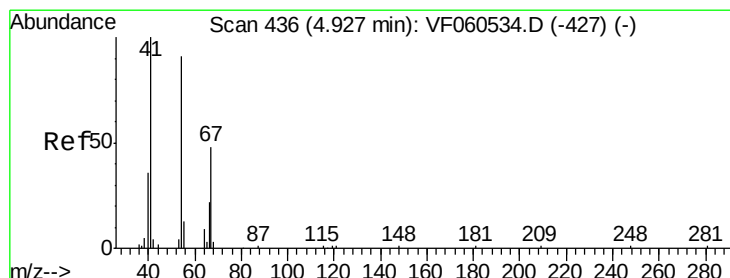
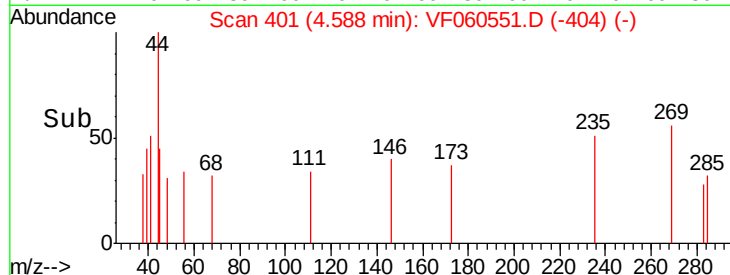
100

50

0

4.56 4.58 4.60

Time-->



#41

Methacrylonitrile

Concen: 970.691 ug/l

RT: 4.75 min Scan# 417

Delta R.T. -0.18 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Tgt Ion: 41 Resp: 141

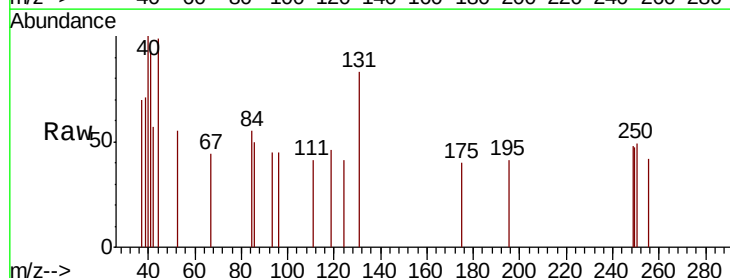
Ion Ratio Lower Upper

41 100

39 76.5 51.0 76.6

67 47.1 38.0 57.0

52 59.2 40.6 61.0



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

600

500

400

300

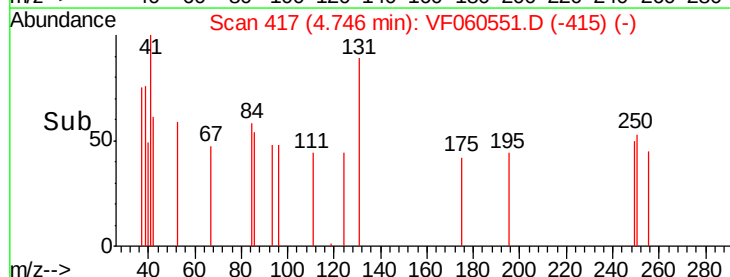
200

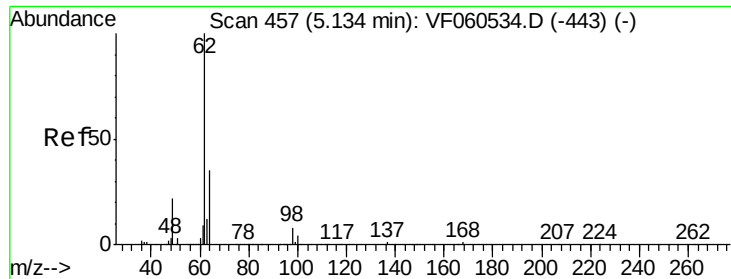
100

0

4.72 4.74 4.76

Time-->





#42

1,2-Dichloroethane

Concen: 96.832 ug/l

RT: 4.76 min Scan# 418

Delta R.T. -0.38 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampled :

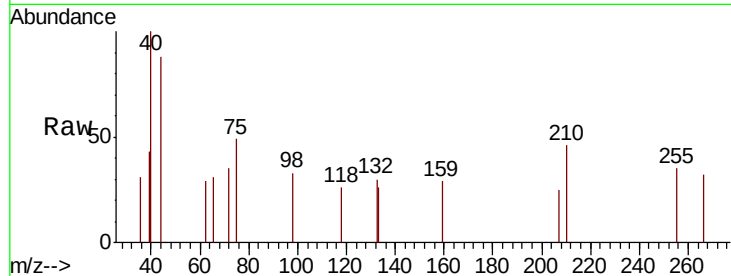
DL-SED-01

Tot Ion: 62 Resp: 70

Ion Ratio Lower Upper

62 100

98 111.8 0.0 15.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

150

100

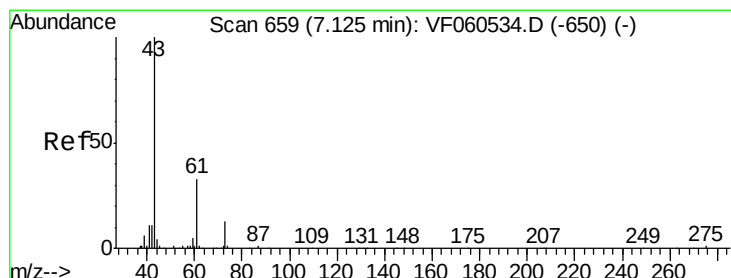
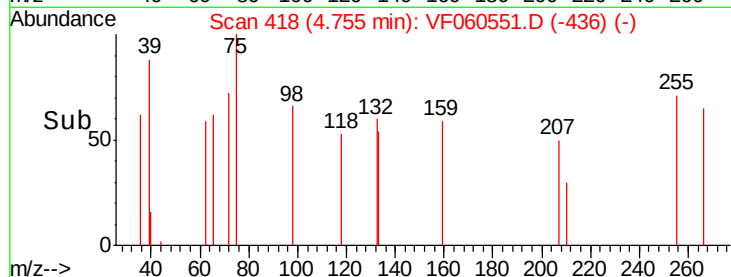
50

0

4.76

4.72 4.74 4.76 4.78

Time-->



#43

Isopropyl Acetate

Concen: 295.851 ug/l

RT: 6.90 min Scan# 636

Delta R.T. -0.22 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

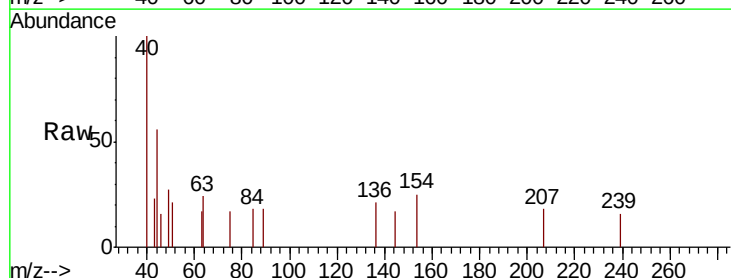
Tgt Ion: 43 Resp: 91

Ion Ratio Lower Upper

43 100

61 0.0 26.6 40.0#

87 0.0 0.6 1.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

200

150

100

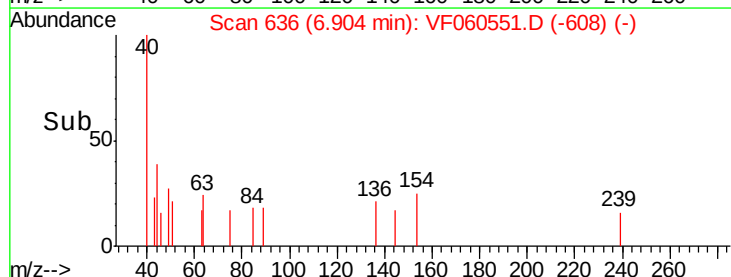
50

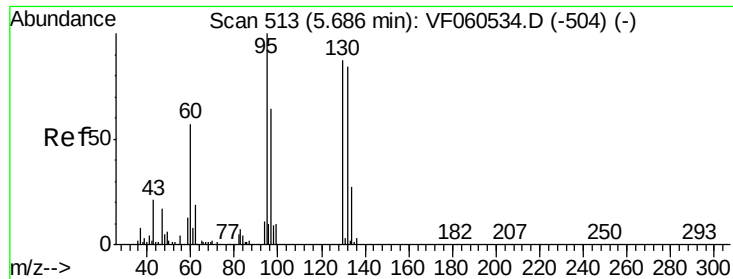
0

6.90

6.88 6.90 6.92

Time-->





#44

Trichloroethene

Concen: 234.474 ug/l

RT: 5.28 min Scan# 471

Delta R.T. -0.41 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

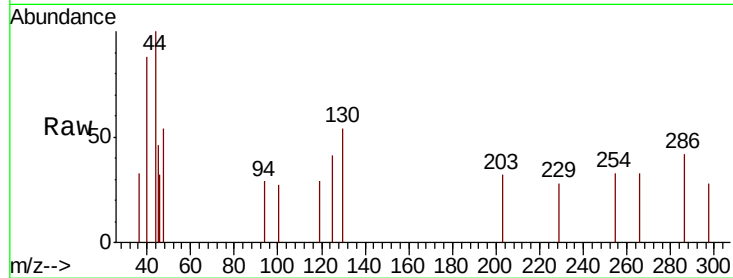
DL-SED-01

Tot Ion:130 Resp: 118

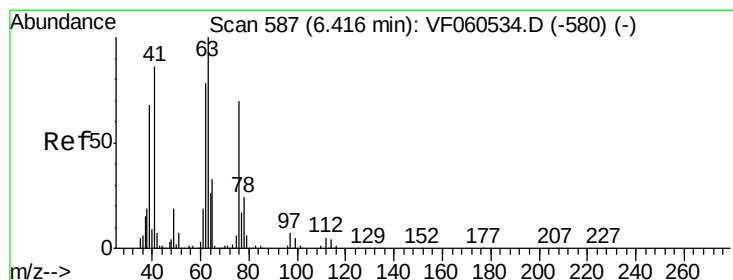
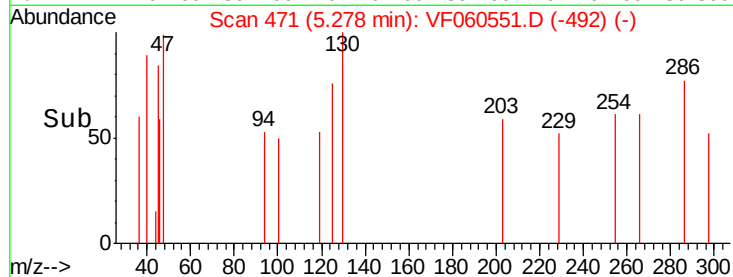
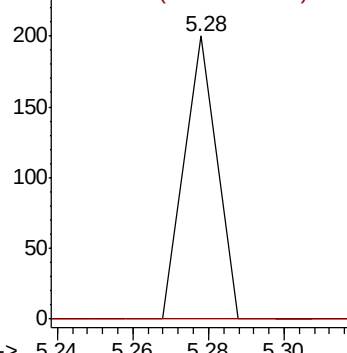
Ion Ratio Lower Upper

130 100

95 0.0 0.0 229.4



Abundance Ion 129.90 (129.60 to 130.60): VF0



#45

1,2-Dichloropropane

Concen: 167.308 ug/l

RT: 6.17 min Scan# 561

Delta R.T. -0.25 min

Lab File: VF060551.D

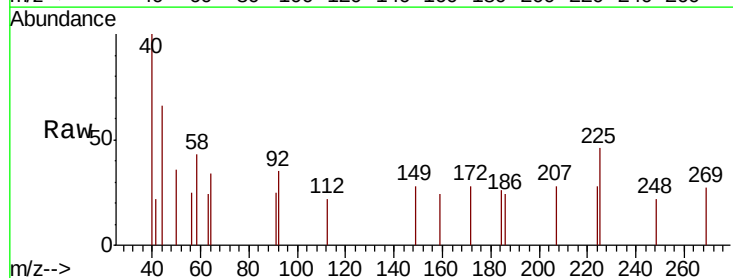
Acq: 30 Oct 2018 18:14

Tgt Ion: 63 Resp: 65

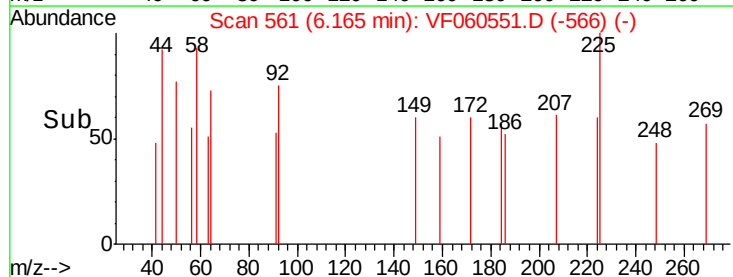
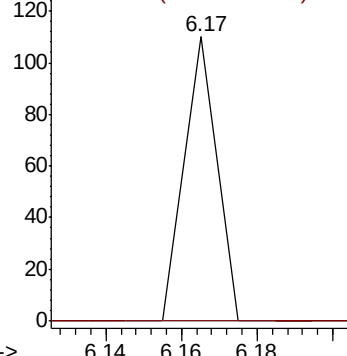
Ion Ratio Lower Upper

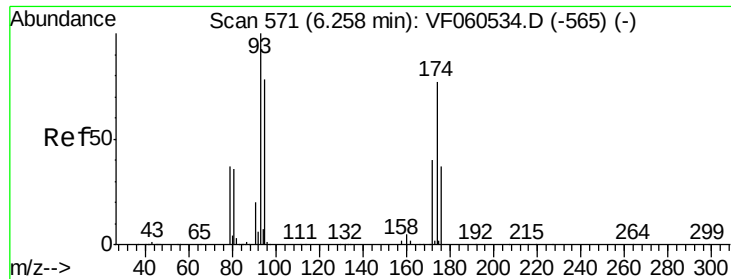
63 100

65 0.0 26.5 39.7#



Abundance Ion 63.00 (62.70 to 63.70): VF0

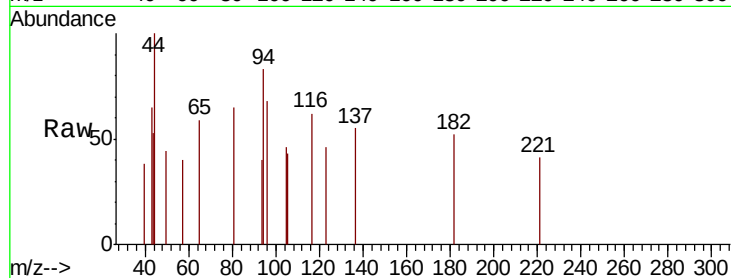




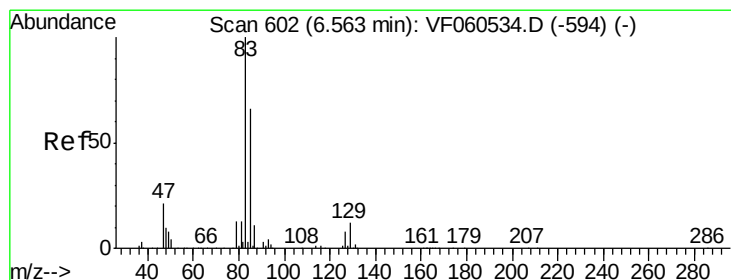
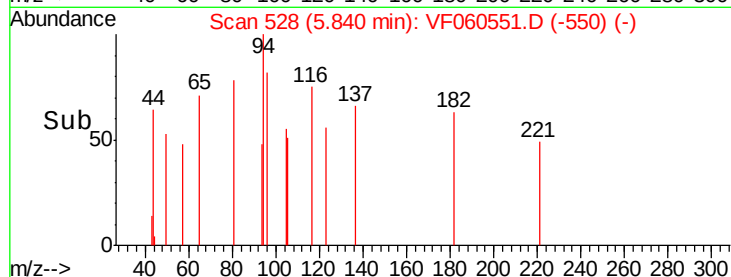
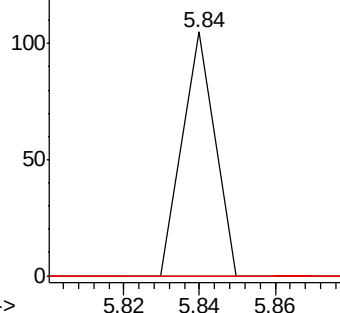
#46
Dibromomethane
Concen: 203.226 ug/l
RT: 5.84 min Scan# 528
Delta R.T. -0.42 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampled :
DL-SED-01

Tot Ion	Ratio	Lower	Upper
93	100		
95	0.0	64.3	96.5#
174	0.0	63.3	94.9#

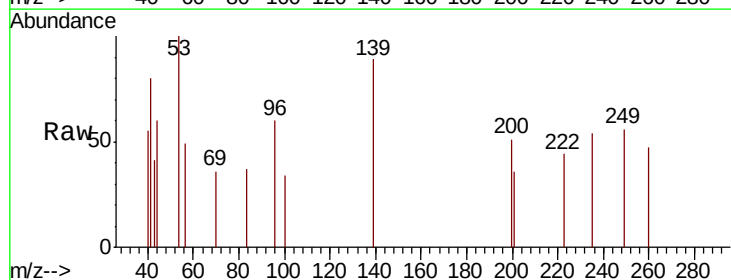


Abundance Ion 93.00 (92.70 to 93.70): VF0
Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V

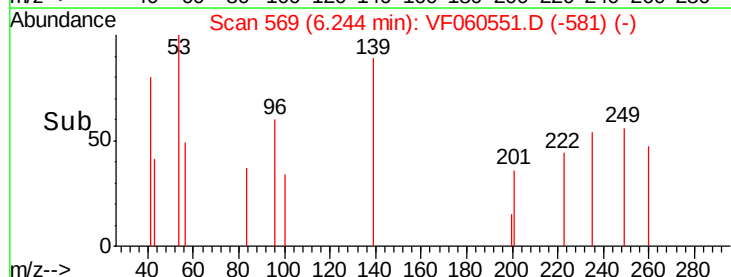
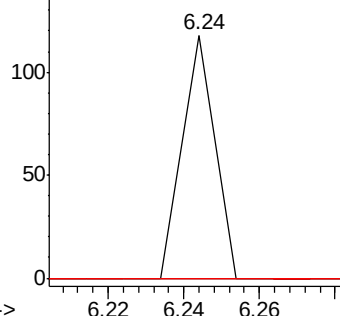


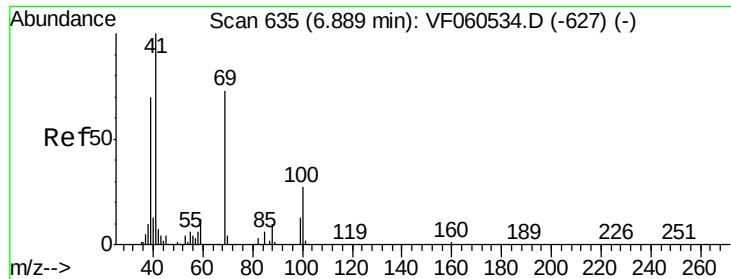
#47
Bromodichloromethane
Concen: 89.420 ug/l
RT: 6.24 min Scan# 569
Delta R.T. -0.32 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	0.0	52.7	79.1#
127	0.0	6.4	9.6#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V

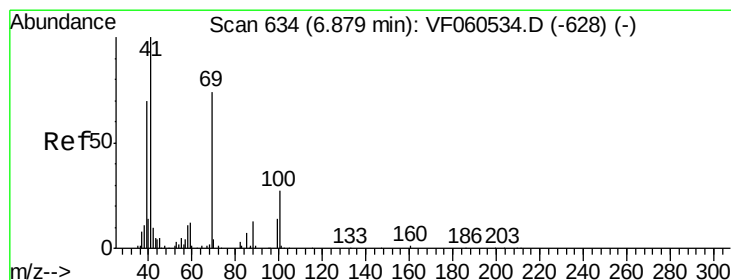
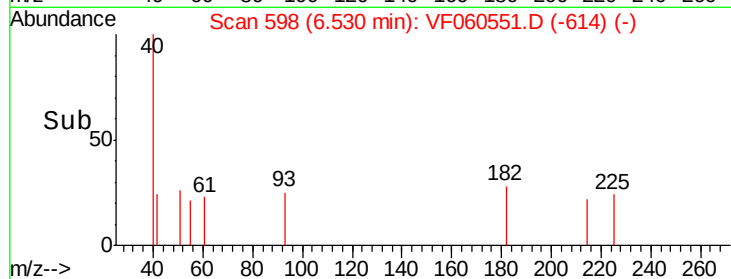
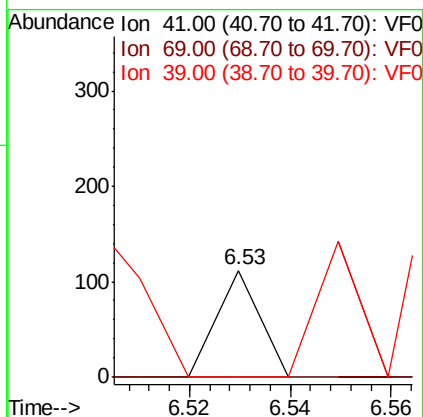
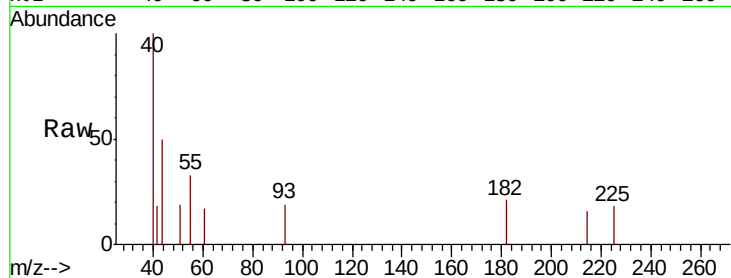




#48
Methyl methacrylate
Concen: 311.087 ug/l
RT: 6.53 min Scan# 598
Delta R.T. -0.36 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

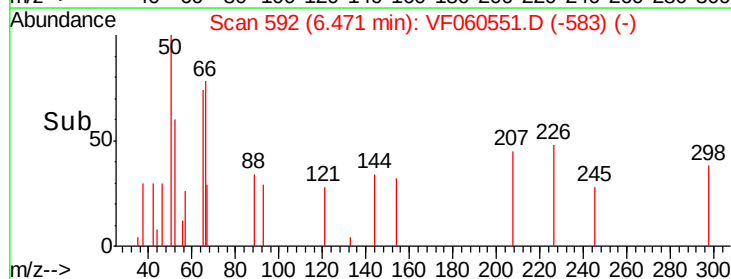
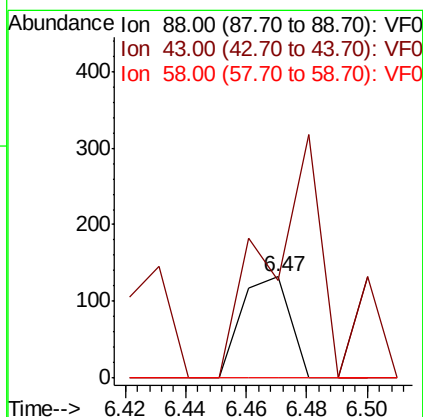
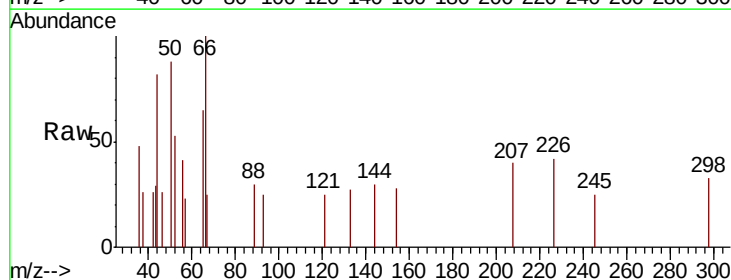
Instrument :
MSVOA_F
ClientSampled :
DL-SED-01

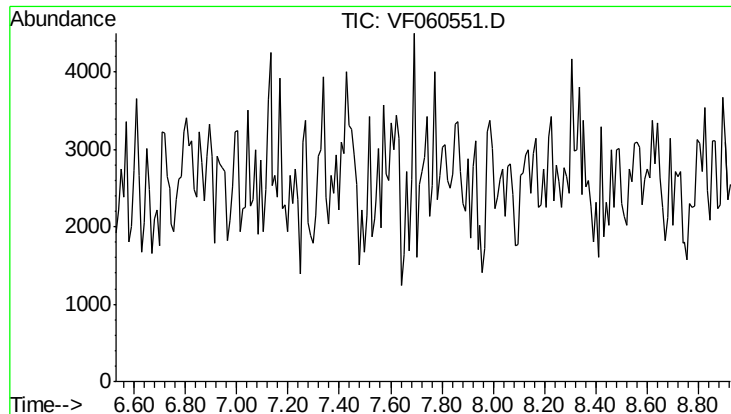
Tot Ion: 41 Resp: 66
Ion Ratio Lower Upper
41 100
69 0.0 58.4 87.6#
39 0.0 56.4 84.6#



#49
1,4-Dioxane
Concen: 74482.754 ug/l
RT: 6.47 min Scan# 592
Delta R.T. -0.41 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

Tgt Ion: 88 Resp: 147
Ion Ratio Lower Upper
88 100
43 97.0 49.7 74.5#
58 0.0 67.7 101.5#



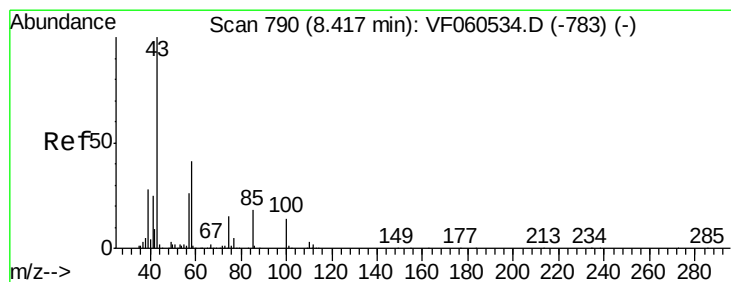
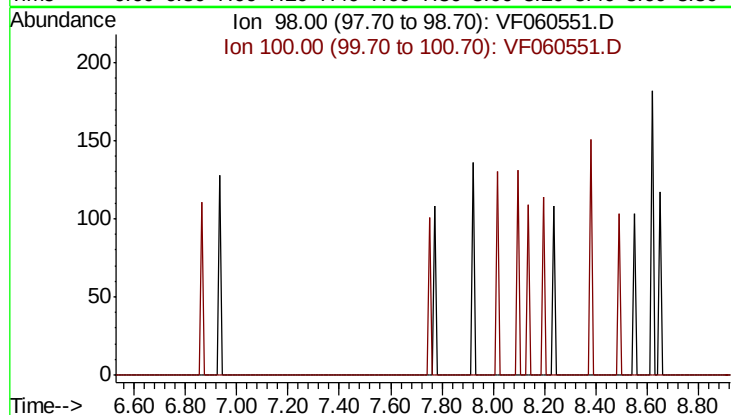


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.73 min

Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

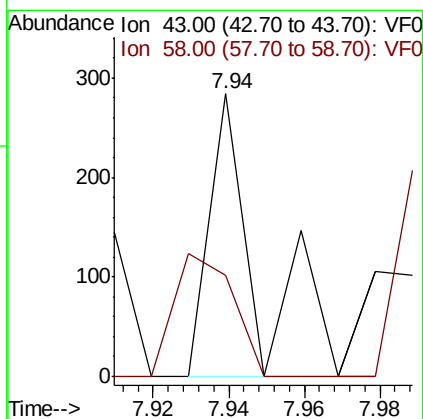
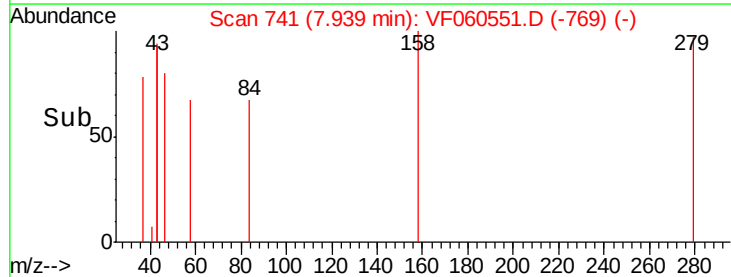
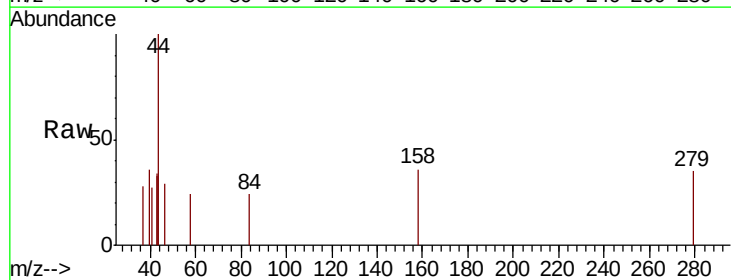
Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01

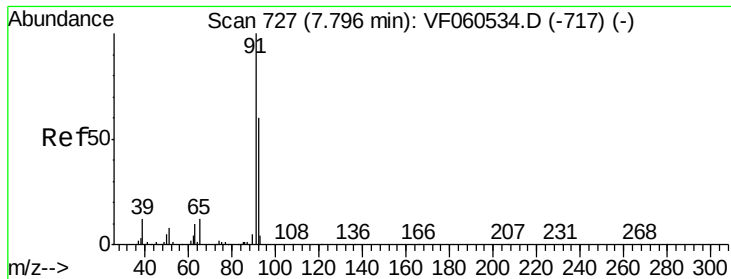
Tot Ion: 98
Sig Exp Ratio
98 100
100 66.3



#51
4-Methyl-2-Pentanone
Concen: 1144.505 ug/l
RT: 7.94 min Scan# 741
Delta R.T. -0.48 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

Tgt Ion: 43 Resp: 255
Ion Ratio Lower Upper
43 100
58 35.9 32.6 49.0





#52

Toluene

Concen: 82.123 ug/l

RT: 7.49 min Scan# 695

Delta R.T. -0.31 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

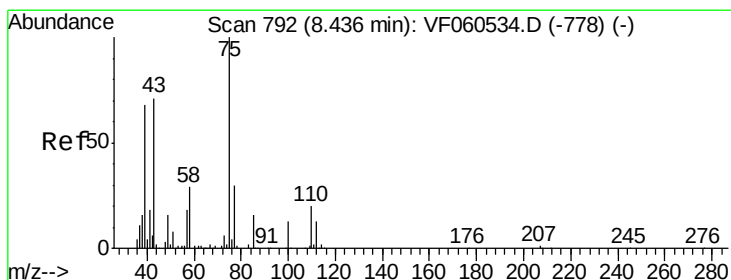
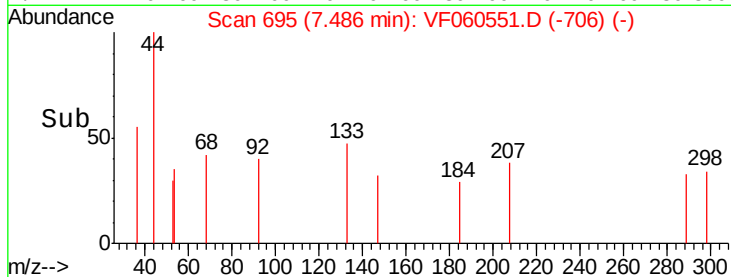
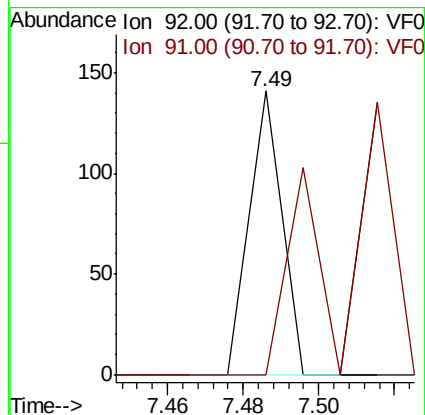
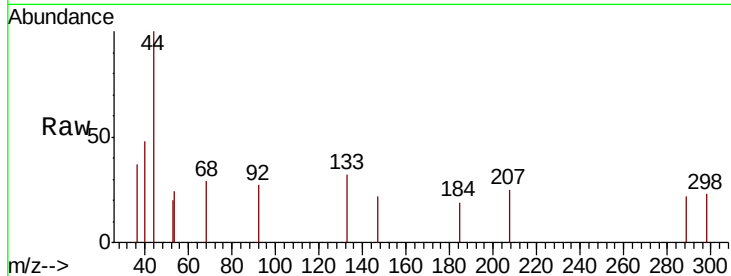
DL-SED-01

Tot Ion: 92 Resp: 83

Ion Ratio Lower Upper

92 100

91 0.0 134.1 201.1#



#53

t-1,3-Dichloropropene

Concen: 130.824 ug/l

RT: 7.99 min Scan# 746

Delta R.T. -0.45 min

Lab File: VF060551.D

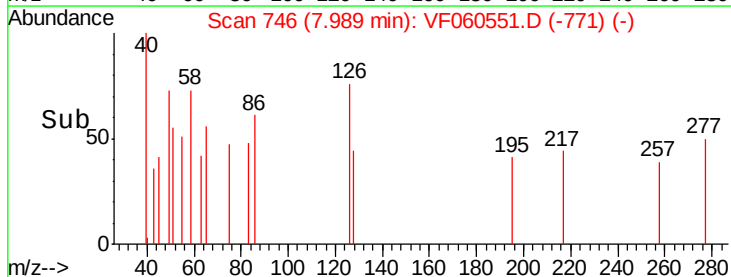
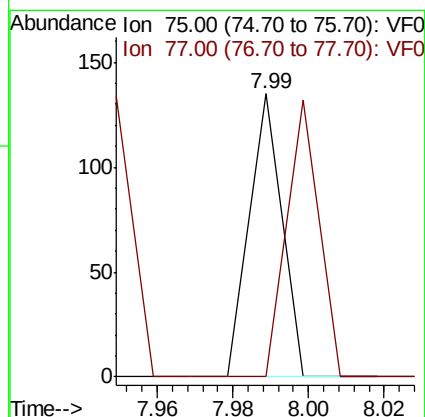
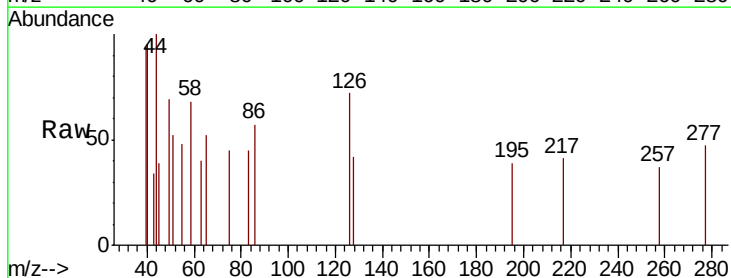
Acq: 30 Oct 2018 18:14

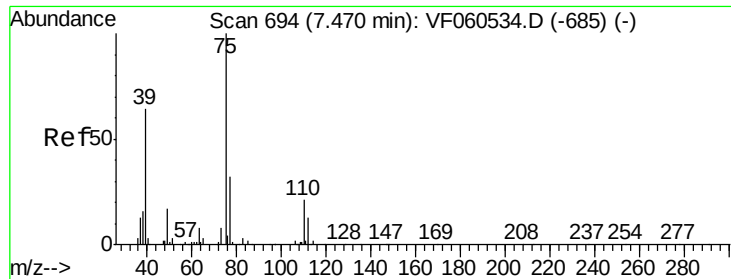
Tgt Ion: 75 Resp: 80

Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.4#





#54

cis-1,3-Dichloropropene

Concen: 153.163 ug/l

RT: 7.10 min Scan# 656

Delta R.T. -0.37 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampled :

DL-SED-01

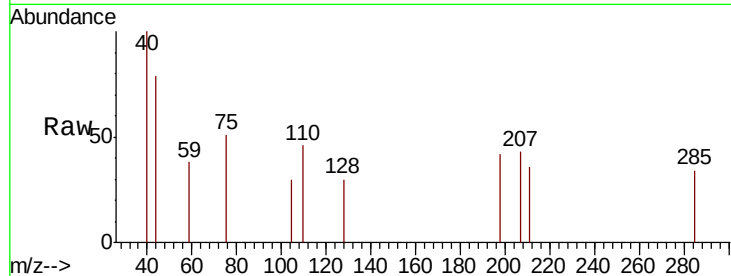
Tot Ion: 75 Resp: 111

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

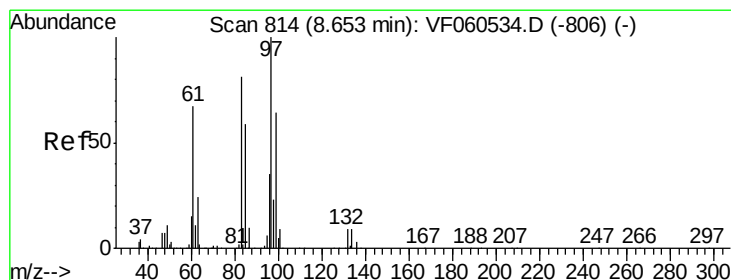
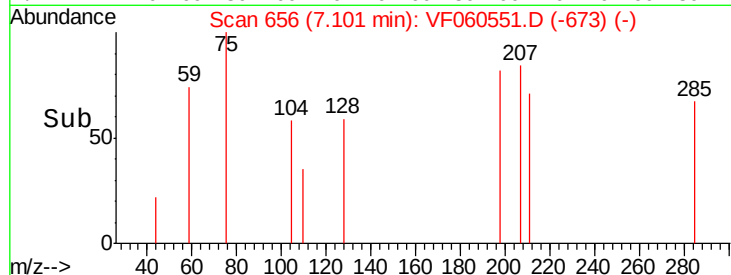
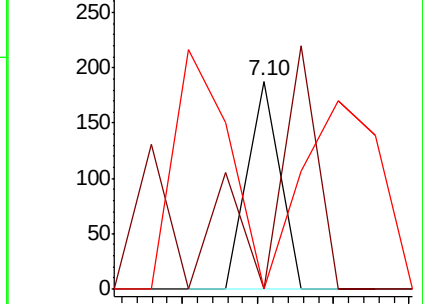
39 0.0 51.5 77.3#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#55

1,1,2-Trichloroethane

Concen: 634.029 ug/l

RT: 8.21 min Scan# 768

Delta R.T. -0.45 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Tgt Ion: 97 Resp: 192

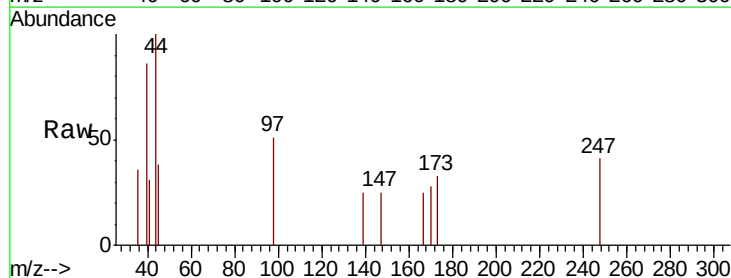
Ion Ratio Lower Upper

97 100

83 0.0 65.3 97.9#

85 0.0 47.6 71.4#

99 0.0 51.5 77.3#

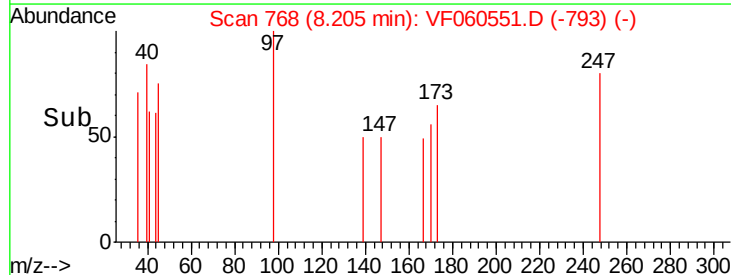
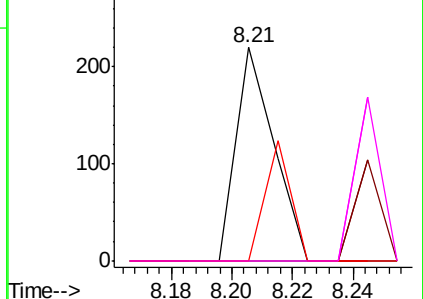


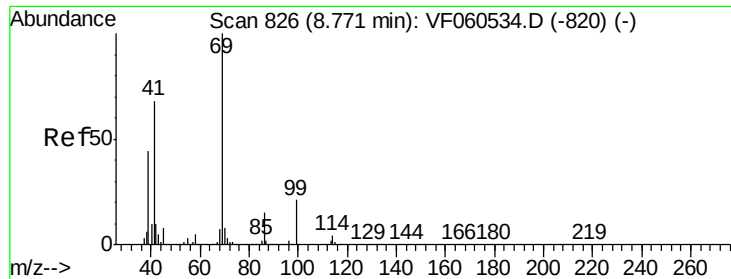
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0





#56

Ethyl methacrylate

Concen: 179.521 ug/l

RT: 8.30 min Scan# 778

Delta R.T. -0.47 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01

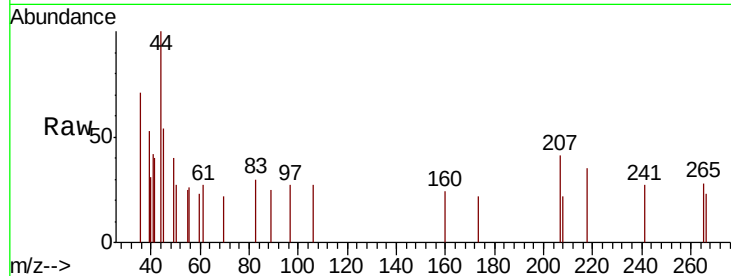
Tot Ion: 69 Resp: 61

Ion Ratio Lower Upper

69 100

41 363.1 55.0 82.6#

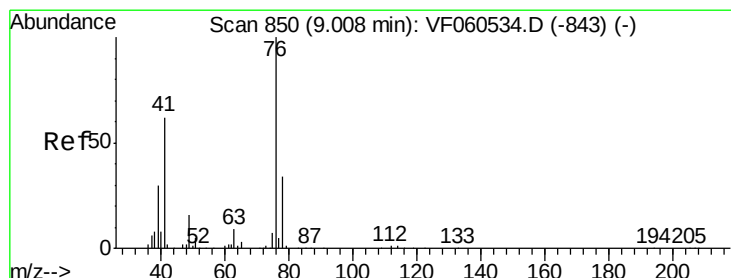
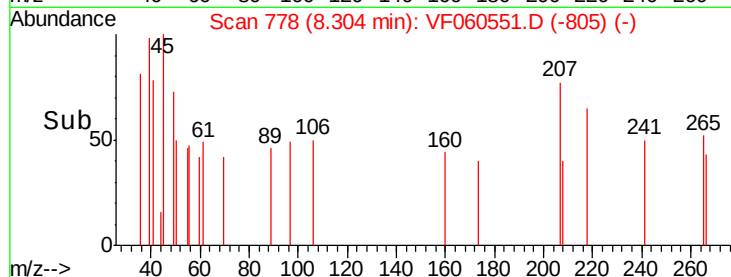
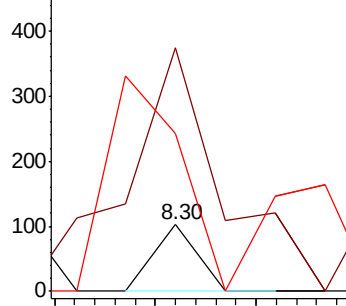
39 235.0 35.1 52.7#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#57

1,3-Dichloropropane

Concen: 115.130 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.41 min

Lab File: VF060551.D

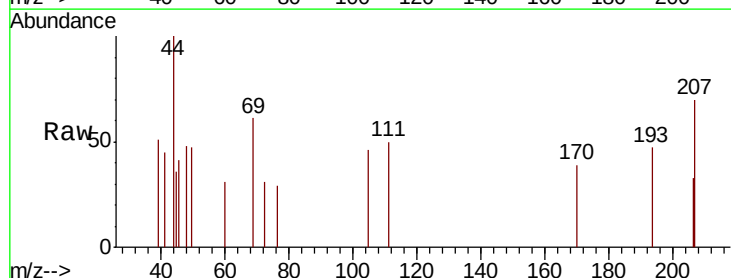
Acq: 30 Oct 2018 18:14

Tgt Ion: 76 Resp: 59

Ion Ratio Lower Upper

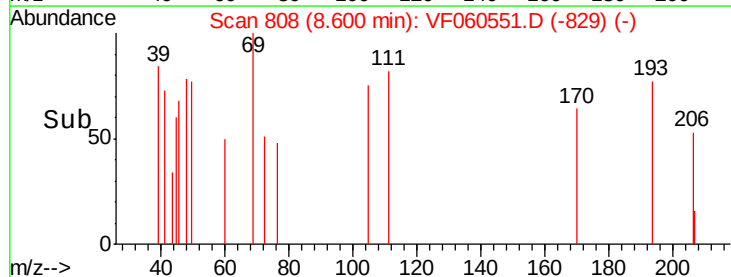
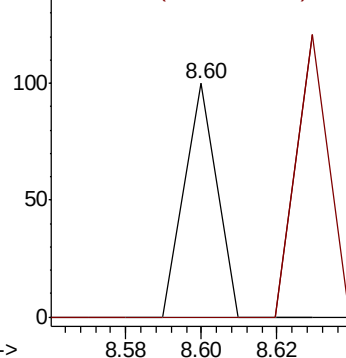
76 100

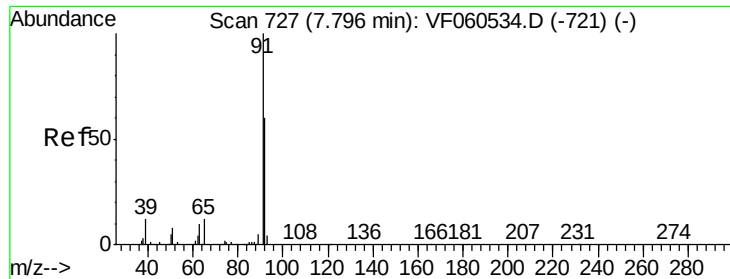
78 0.0 27.3 40.9#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0





#58

2-Chloroethyl Vinyl ether

Concen: 1798.953 ug/l

RT: 7.37 min Scan# 683

Delta R.T. -0.43 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampled :

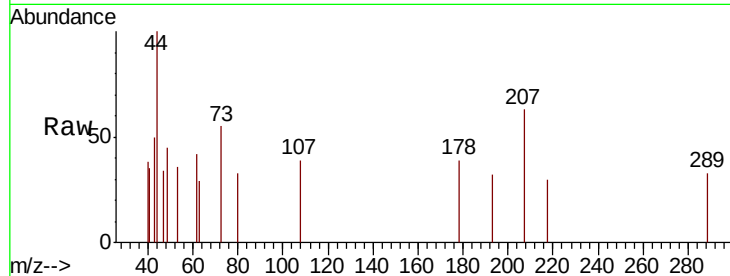
DL-SED-01

Tot Ion: 63 Resp: 63

Ion Ratio Lower Upper

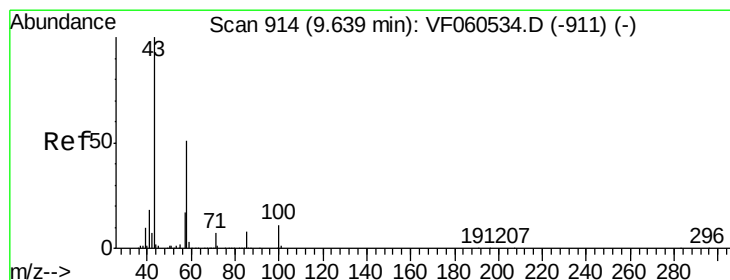
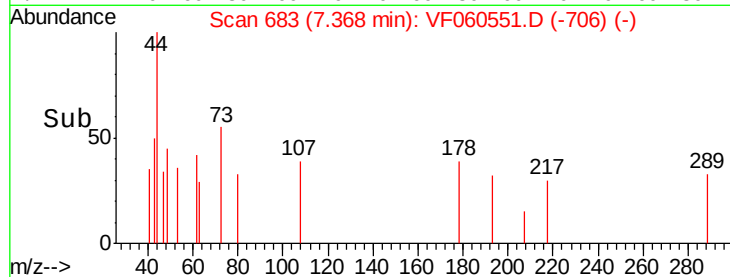
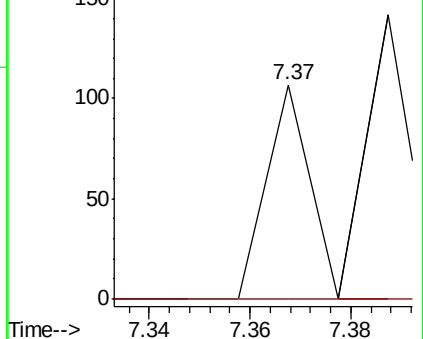
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



#59

2-Hexanone

Concen: Below Cal

RT: 9.14 min Scan# 863

Delta R.T. -0.50 min

Lab File: VF060551.D

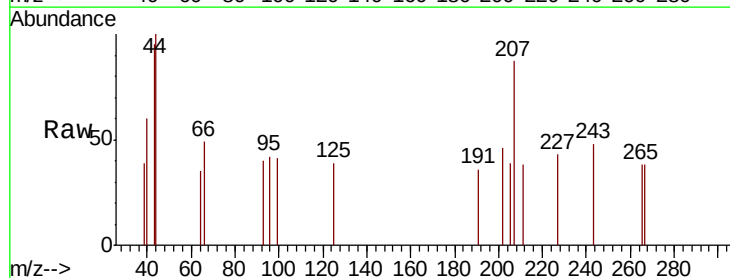
Acq: 30 Oct 2018 18:14

Tgt Ion: 43 Resp: 384

Ion Ratio Lower Upper

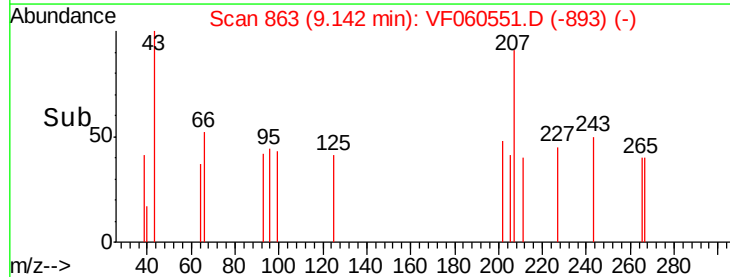
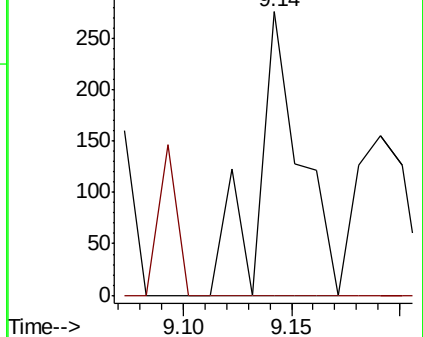
43 100

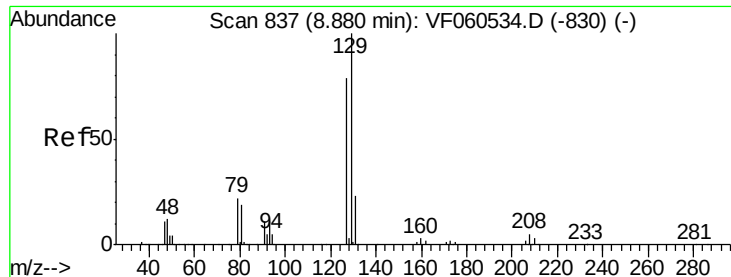
58 0.0 24.1 72.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#60

Dibromochloromethane

Concen: 202.939 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.61 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

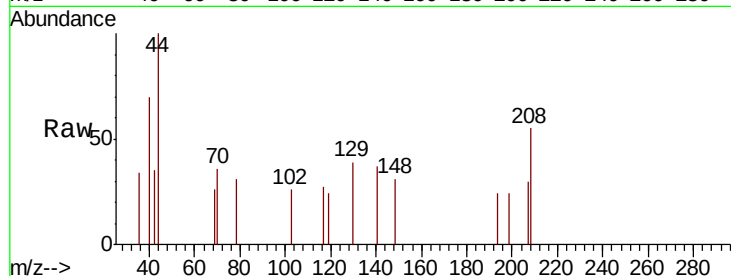
DL-SED-01

Tot Ion:129 Resp: 99

Ion Ratio Lower Upper

129 100

127 0.0 39.6 119.0#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.27

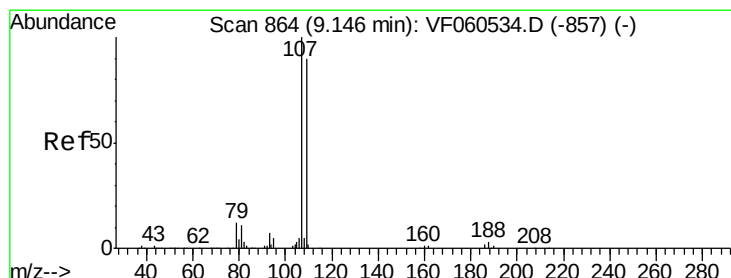
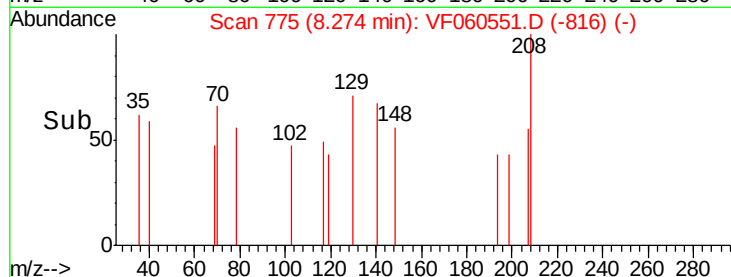
150

100

50

0

Time-->



#61

1,2-Dibromoethane

Concen: 390.743 ug/l

RT: 8.64 min Scan# 812

Delta R.T. -0.51 min

Lab File: VF060551.D

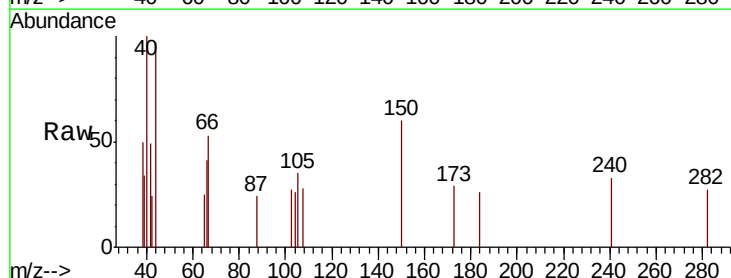
Acq: 30 Oct 2018 18:14

Tgt Ion:107 Resp: 137

Ion Ratio Lower Upper

107 100

109 0.0 72.2 108.2#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

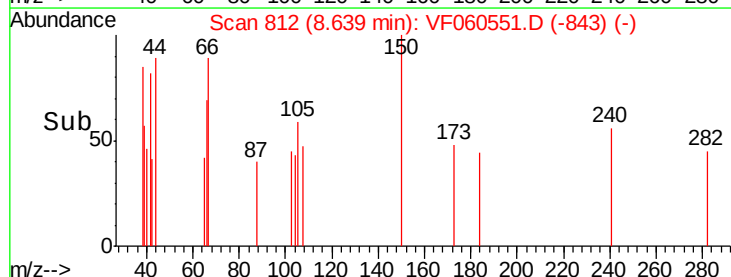
8.64

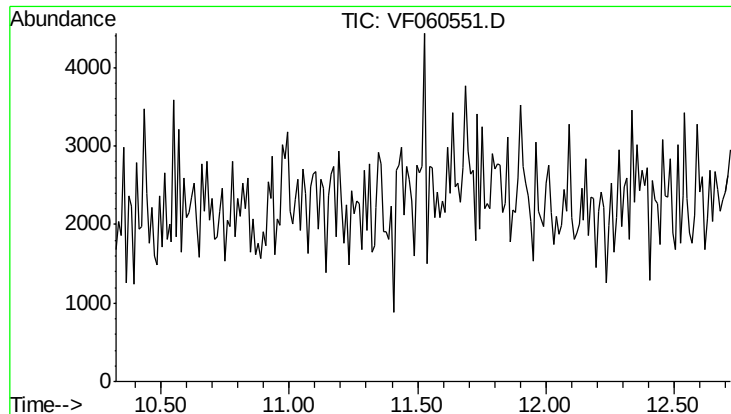
100

50

0

Time-->





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.52 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Tot Ion: 95

Sig Exp Ratio

95 100

174 76.9

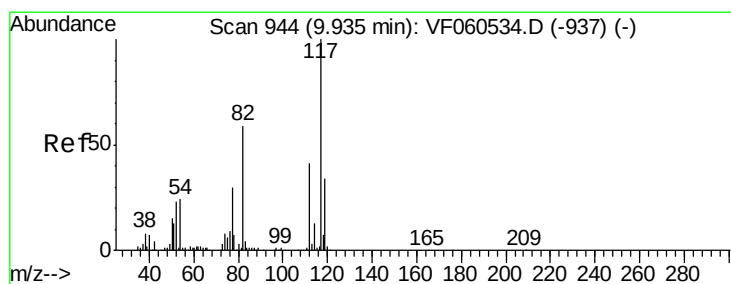
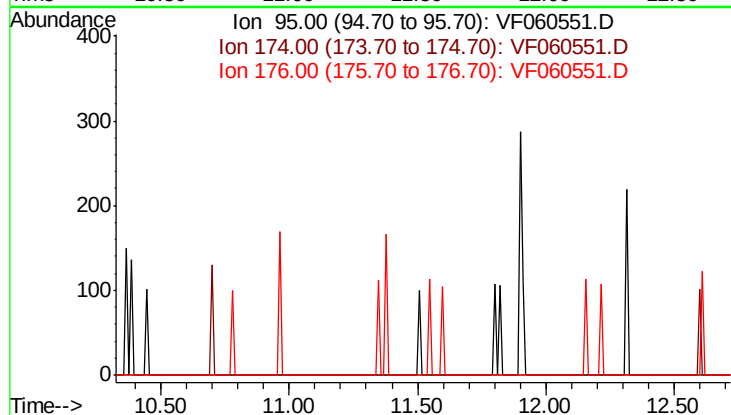
176 71.8

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.51 min Scan# 900

Delta R.T. -0.43 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

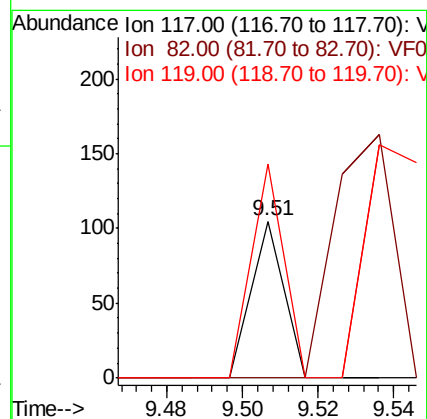
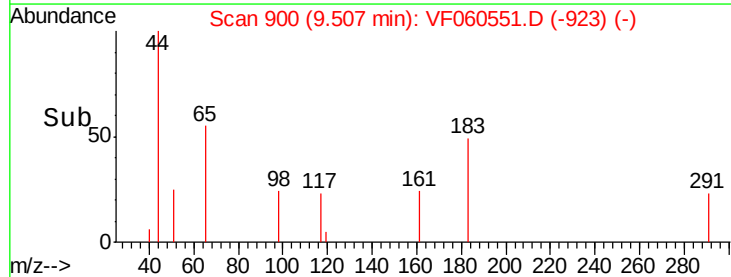
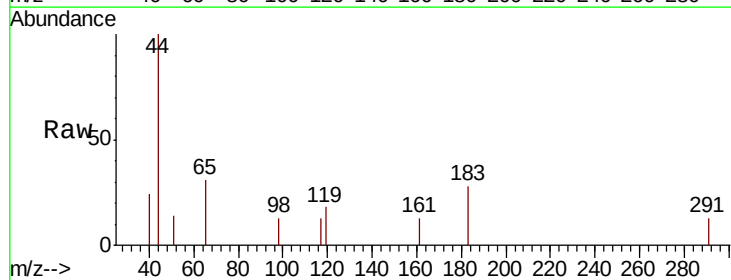
Tgt Ion:117 Resp: 62

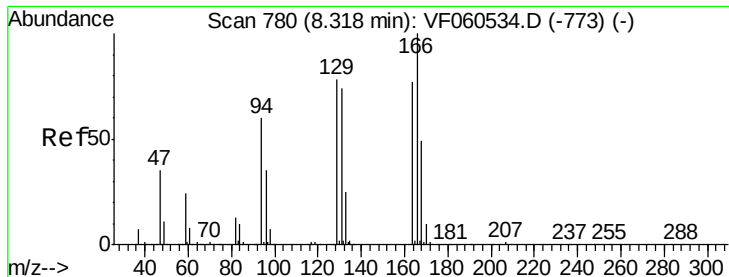
Ion Ratio Lower Upper

117 100

82 0.0 47.6 71.4#

119 136.2 27.3 40.9#





#64

Tetrachloroethene

Concen: 139.288 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.02 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01

Tot Ion:164 Resp: 73

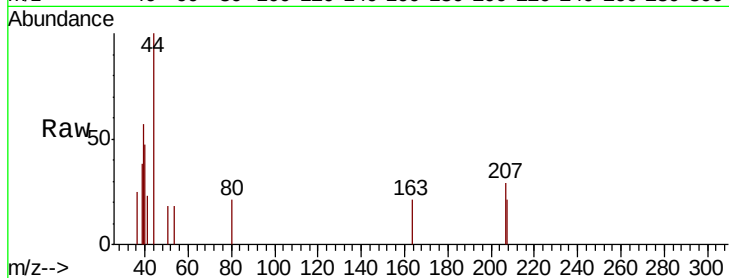
Ion Ratio Lower Upper

164 100

166 0.0 103.4 155.2#

129 0.0 80.7 121.1#

131 0.0 76.3 114.5#

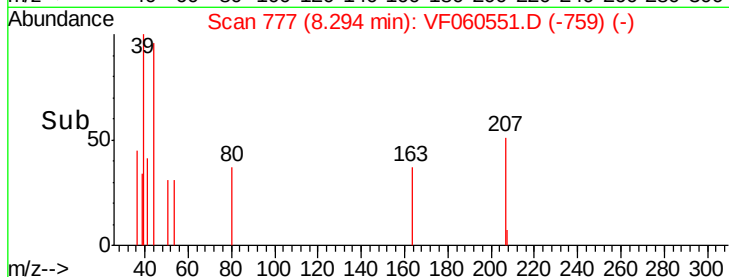
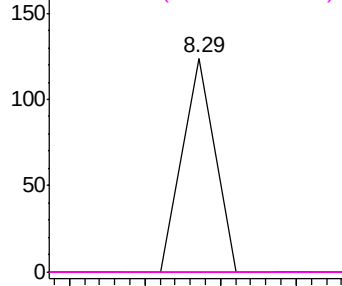


Abundance Ion 163.85 (163.55 to 164.55): V

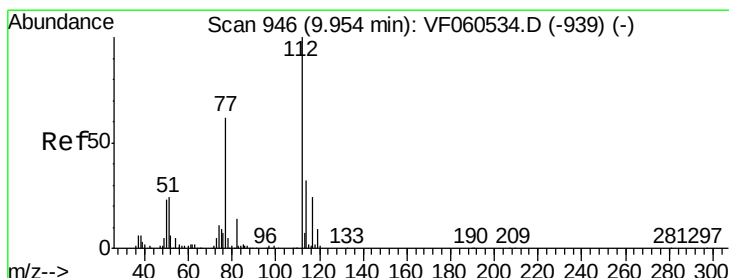
Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



Time-->



#65

Chlorobenzene

Concen: 55.315 ug/l

RT: 9.96 min Scan# 946

Delta R.T. 0.01 min

Lab File: VF060551.D

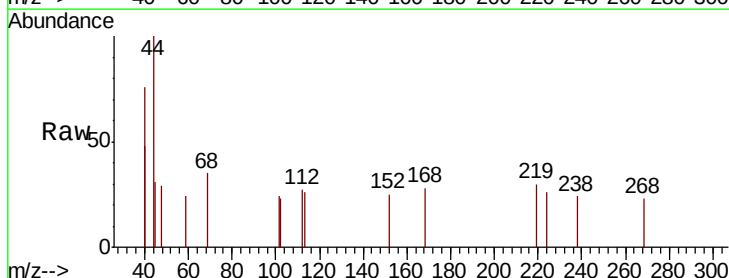
Acq: 30 Oct 2018 18:14

Tgt Ion:112 Resp: 69

Ion Ratio Lower Upper

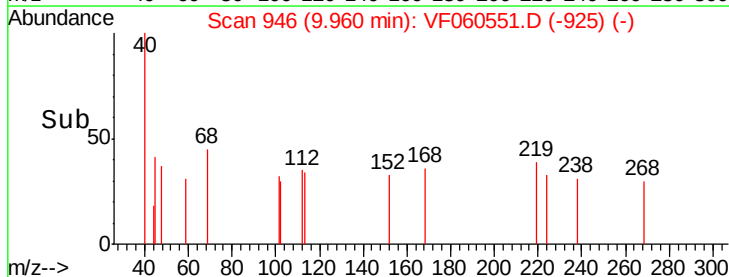
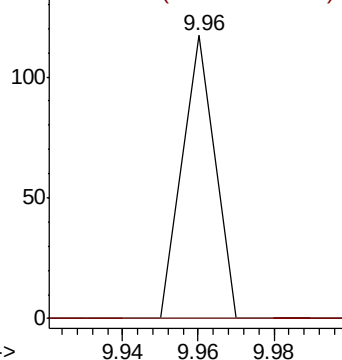
112 100

114 0.0 25.5 38.3#

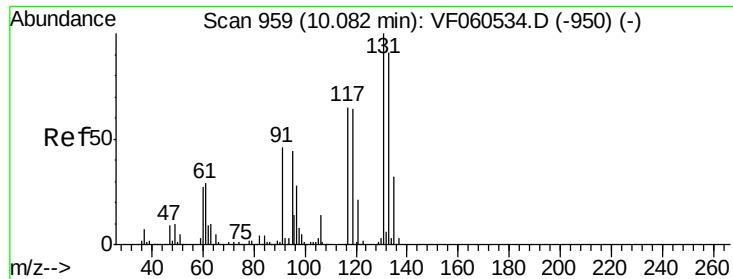


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 128.427 ug/l

RT: 10.21 min Scan# 971

Delta R.T. 0.12 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

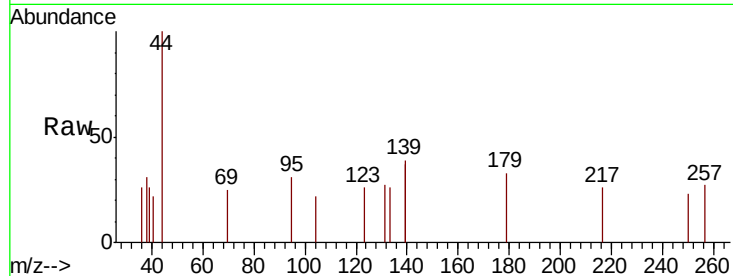
MSVOA_F

ClientSampleId :

DL-SED-01

Tot Ion:131 Resp: 73

Ion	Ratio	Lower	Upper
131	100		
133	95.2	45.8	137.3
119	0.0	32.4	97.0#

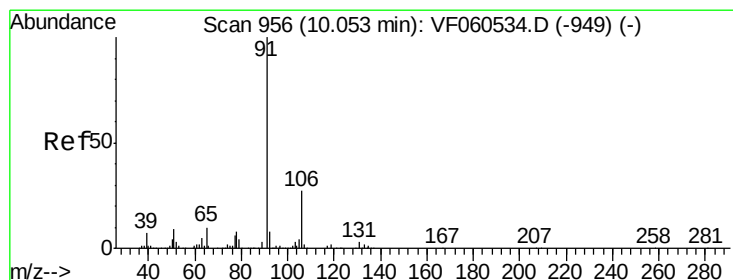
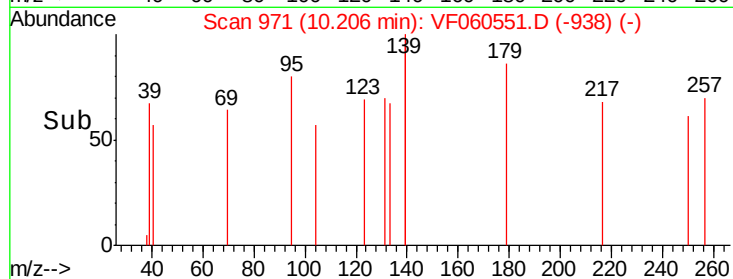
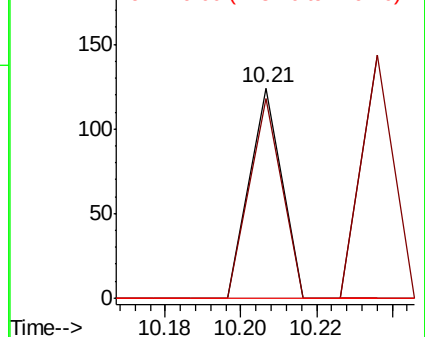


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 40.278 ug/l

RT: 10.13 min Scan# 963

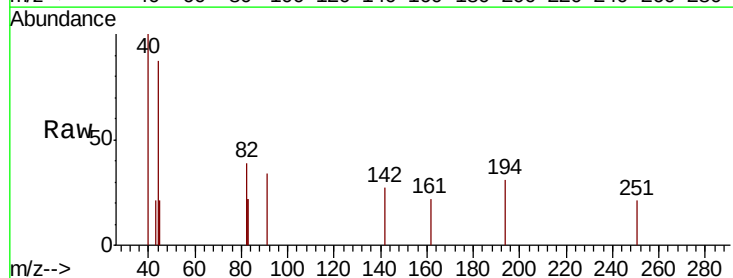
Delta R.T. 0.07 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Tgt Ion: 91 Resp: 96

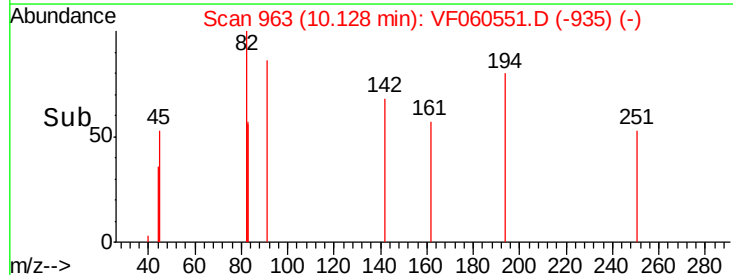
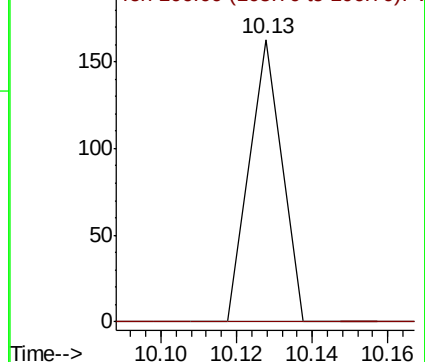
Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	32.9#

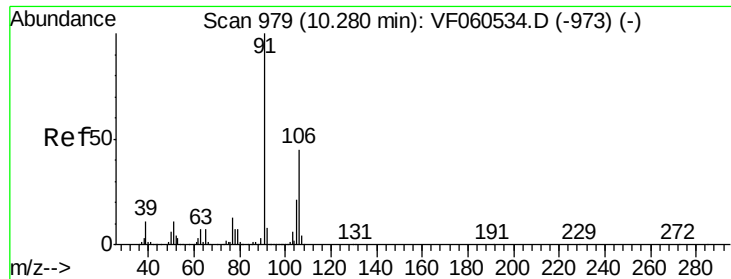


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

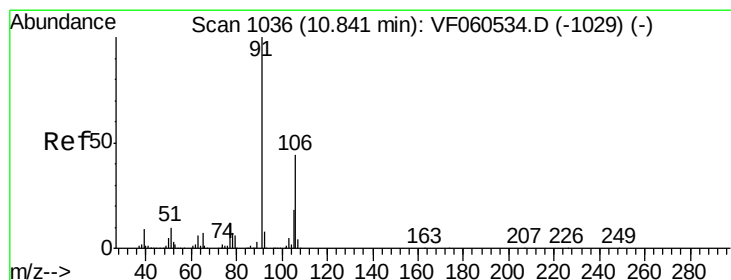
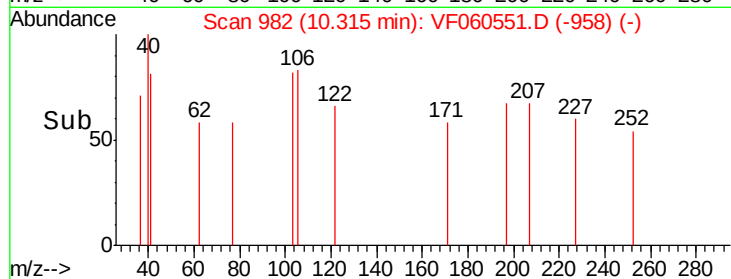
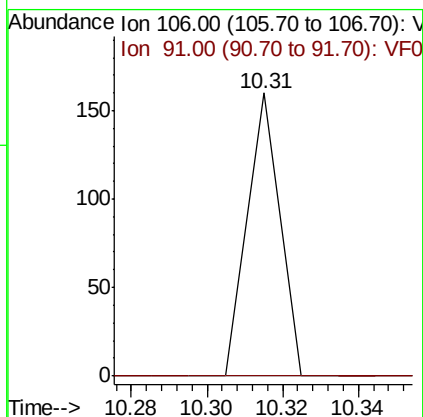
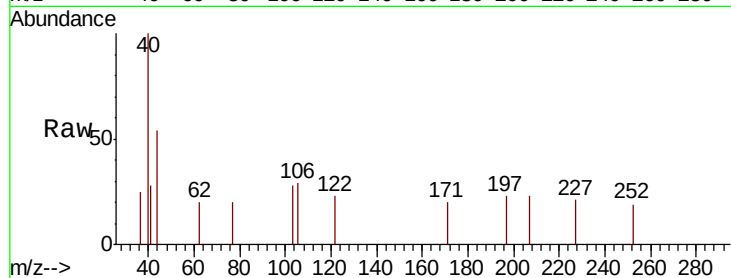




#68
m/p-Xylenes
Concen: 116.711 ug/l
RT: 10.31 min Scan# 982
Delta R.T. 0.04 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

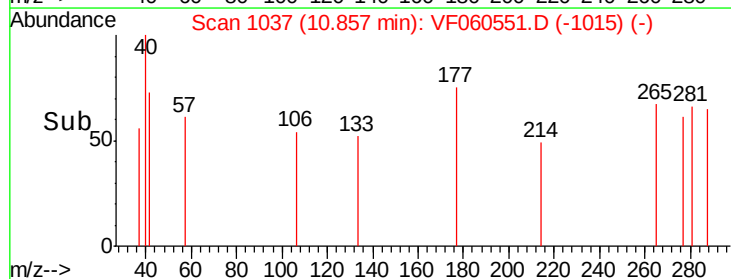
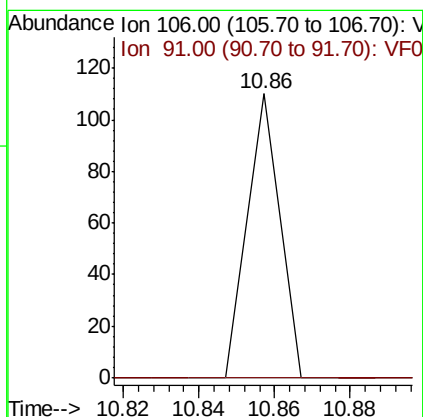
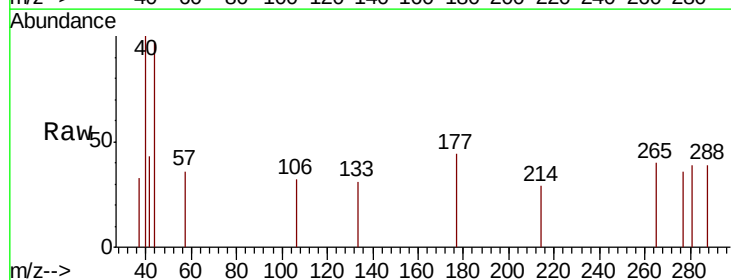
Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01

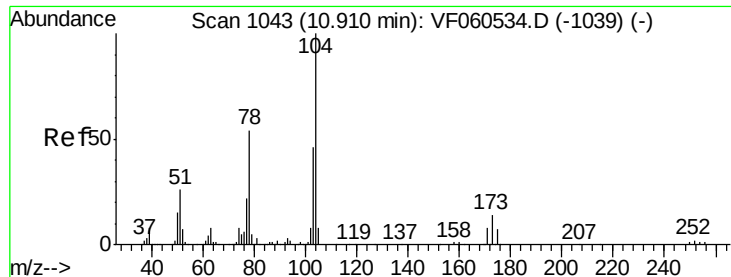
Tot Ion:106 Resp: 95
Ion Ratio Lower Upper
106 100
91 0.0 176.2 264.2#



#69
o-Xylene
Concen: 70.906 ug/l
RT: 10.86 min Scan# 1037
Delta R.T. 0.02 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

Tgt Ion:106 Resp: 65
Ion Ratio Lower Upper
106 100
91 0.0 112.9 338.8#





#70

Stvrene

Concen: 51.068 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.15 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01

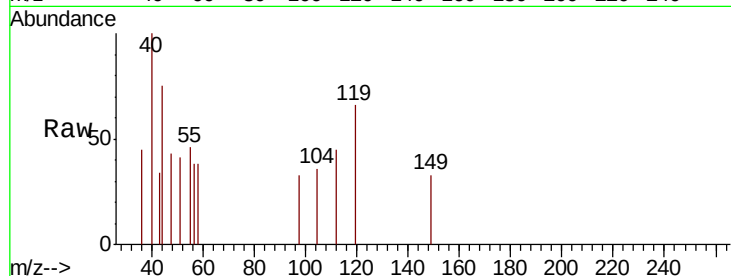
Tot Ion:104 Resp: 66

Ion Ratio Lower Upper

104 100

78 0.0 43.4 65.2#

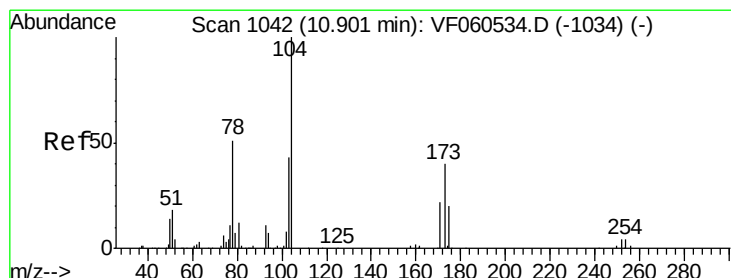
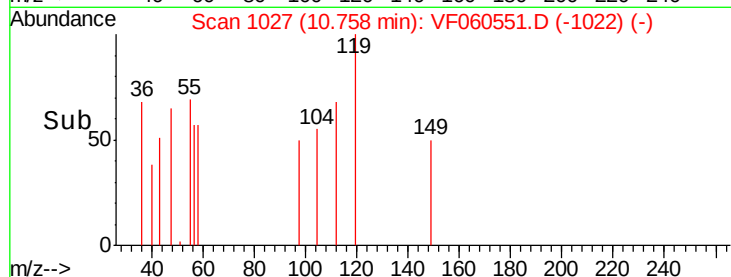
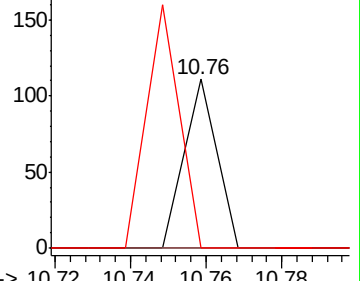
103 0.0 36.9 55.3#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 225.116 ug/l

RT: 10.84 min Scan# 1035

Delta R.T. -0.06 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

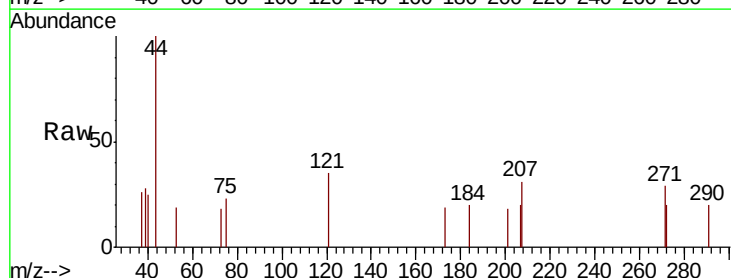
Tgt Ion:173 Resp: 66

Ion Ratio Lower Upper

173 100

175 0.0 25.7 77.0#

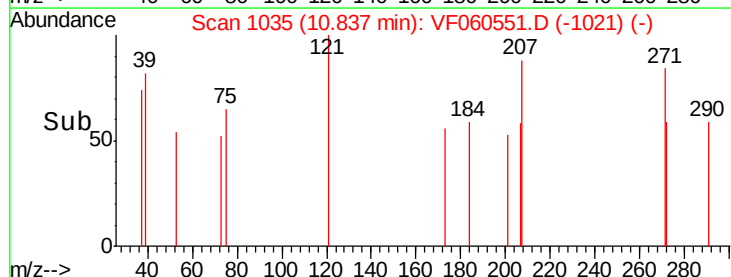
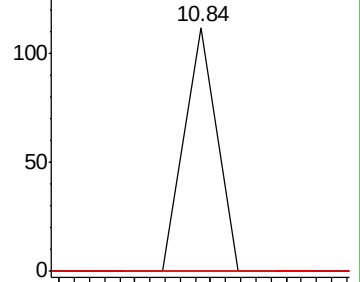
254 0.0 7.8 11.6#

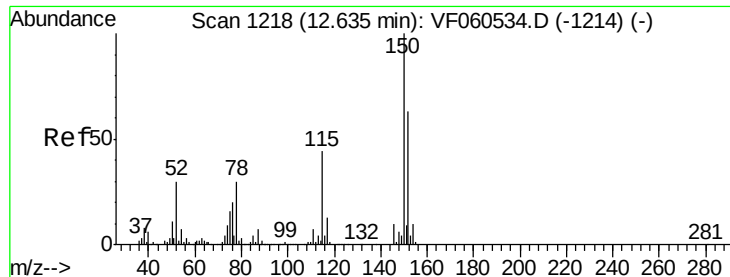


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



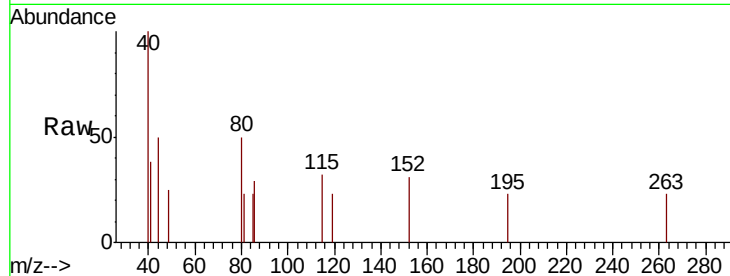


#72

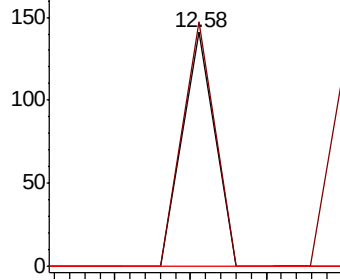
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.58 min Scan# 1212
Delta R.T. -0.05 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01

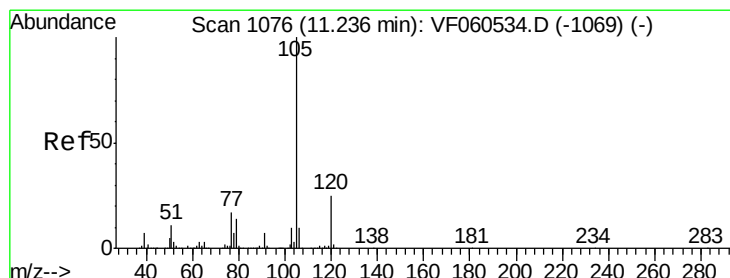
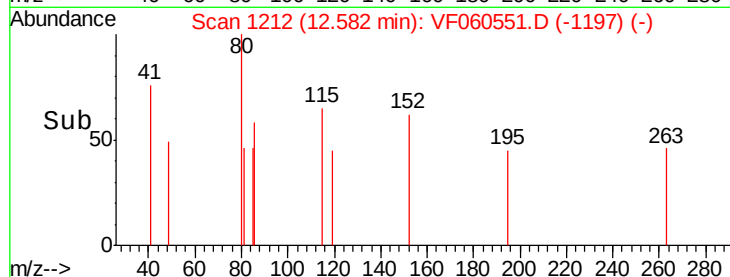
Tot Ion	Ratio	Lower	Upper
152	100		
115	104.3	34.7	104.1#
150	0.0	0.0	318.4



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



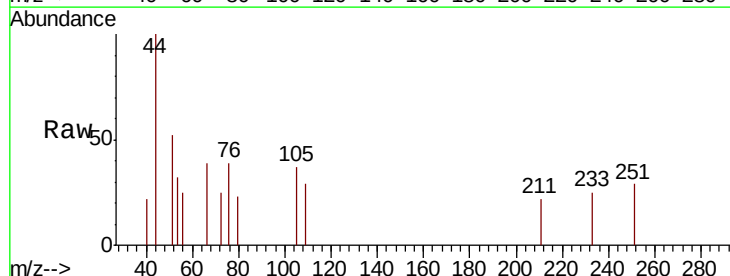
Time-->



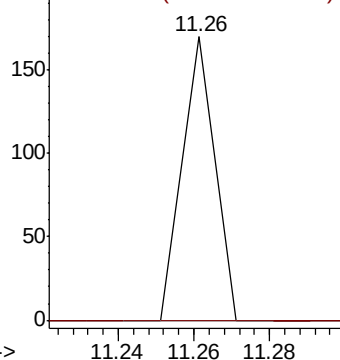
#73

Isopropylbenzene
Concen: 15.919 ug/l
RT: 11.26 min Scan# 1078
Delta R.T. 0.03 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

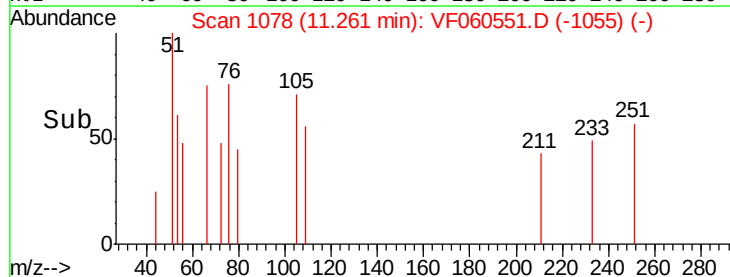
Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	12.3	36.8#

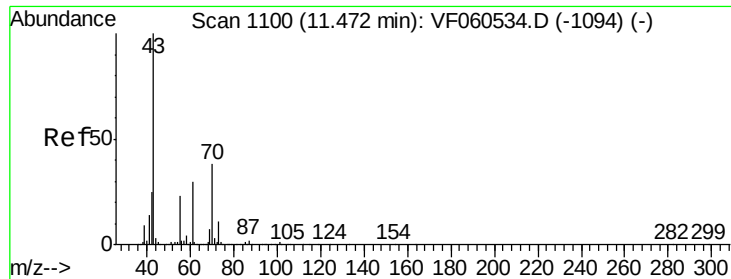


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time-->





#74

N-amvl acetate

Concen: 130.648 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01

Tot Ion: 43 Resp: 166

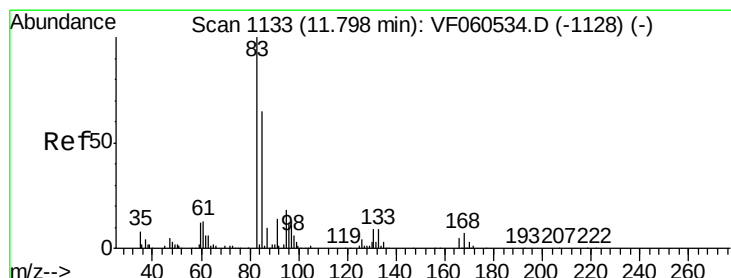
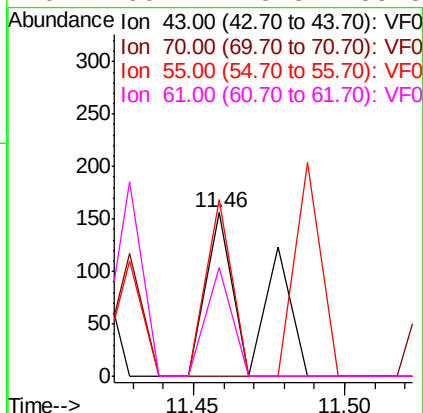
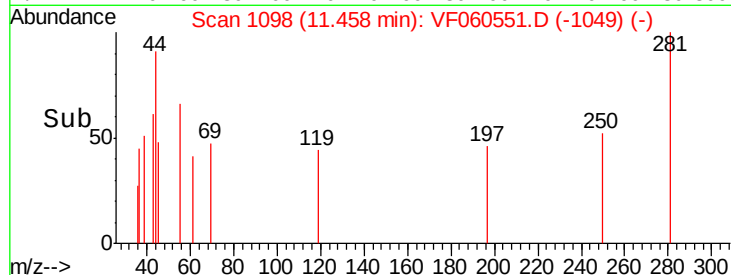
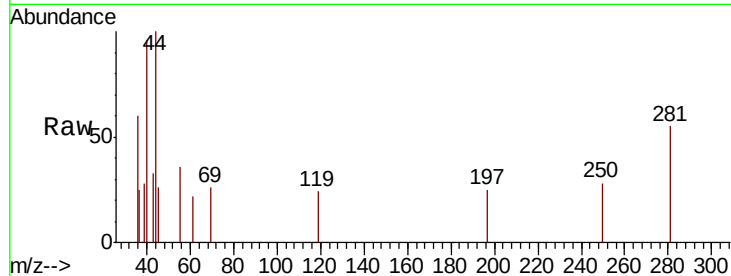
Ion Ratio Lower Upper

43 100

70 0.0 30.8 46.2#

55 108.3 18.2 27.4#

61 66.7 23.8 35.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 60.450 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. 0.05 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

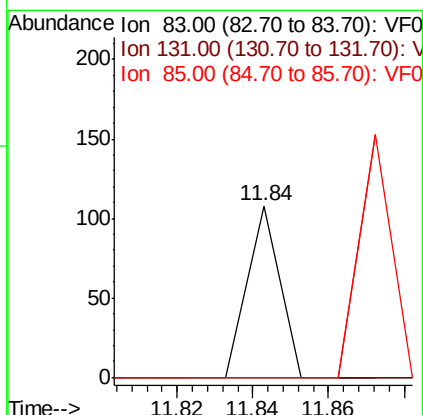
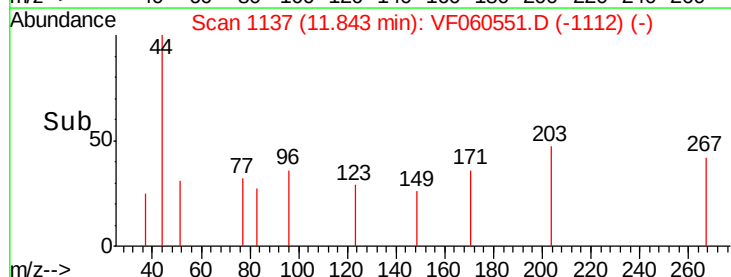
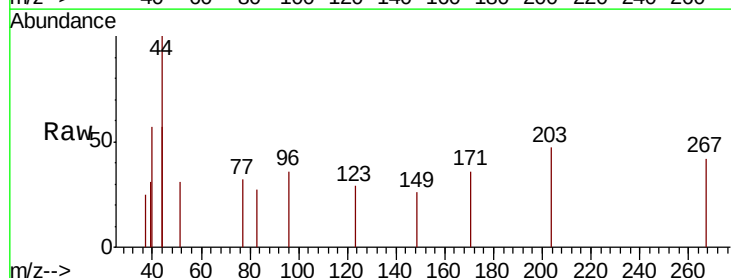
Tgt Ion: 83 Resp: 64

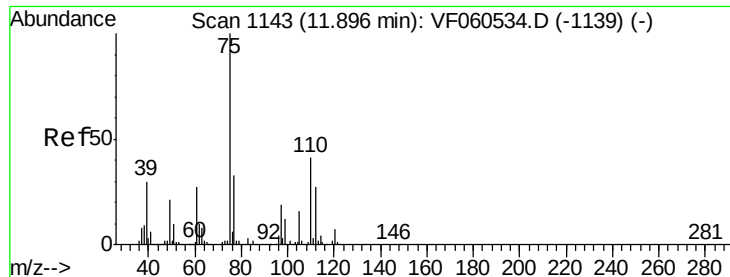
Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.0#

85 0.0 32.4 97.0#





#76

1,2,3-Trichloropropane

Concen: 80.360 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

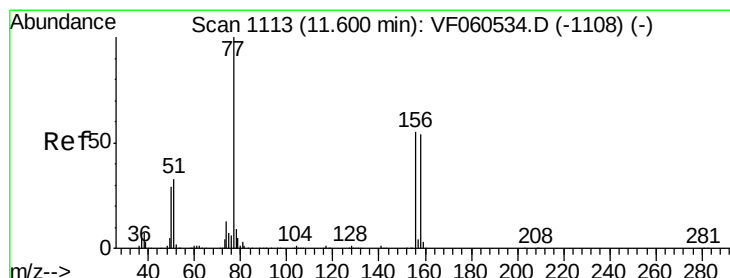
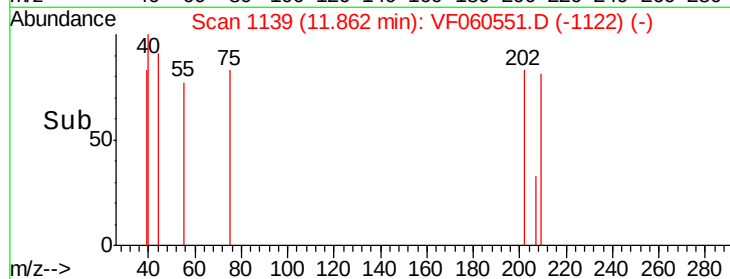
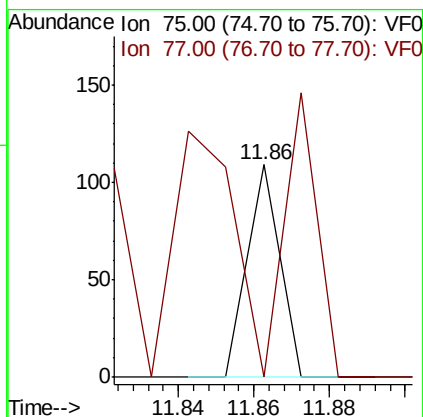
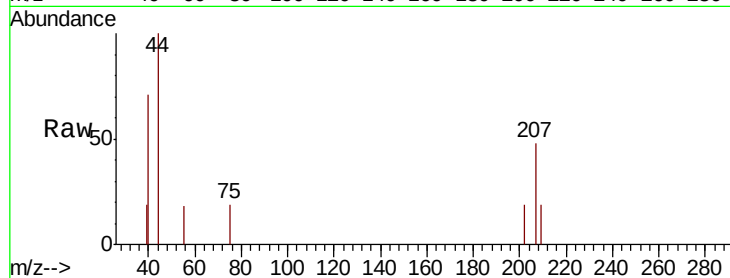
DL-SED-01

Tot Ion: 75 Resp: 64

Ion Ratio Lower Upper

75 100

77 0.0 16.7 50.1#



#77

Bromobenzene

Concen: 50.145 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. 0.07 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

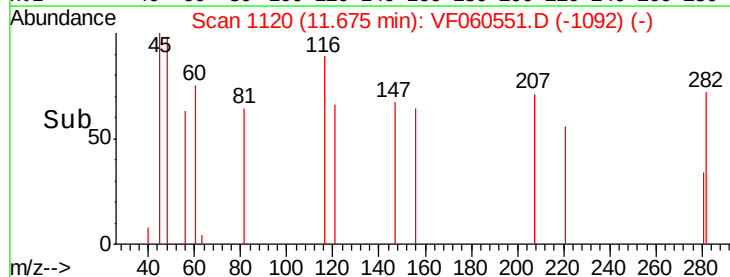
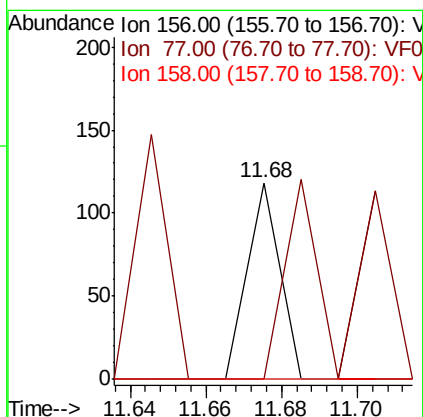
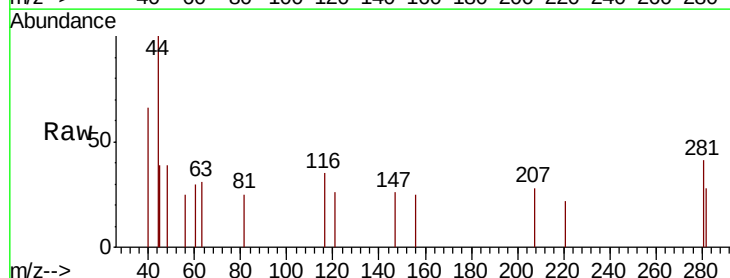
Tgt Ion: 156 Resp: 70

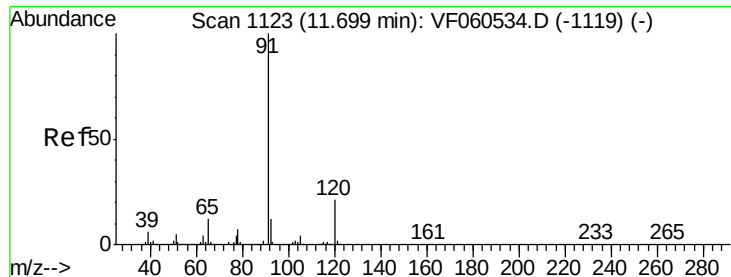
Ion Ratio Lower Upper

156 100

77 0.0 91.3 274.1#

158 0.0 49.3 147.9#





#78

n-propylbenzene

Concen: 8.372 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. 0.04 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

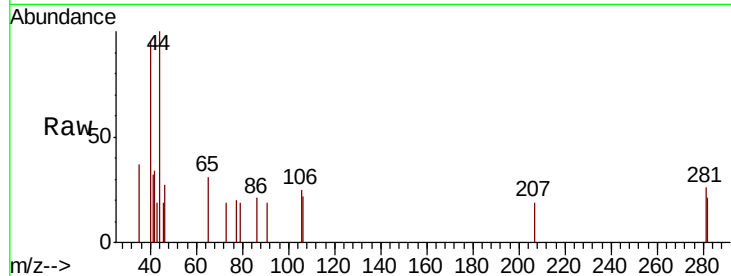
DL-SED-01

Tot Ion: 91 Resp: 63

Ion Ratio Lower Upper

91 100

120 0.0 10.7 32.1#

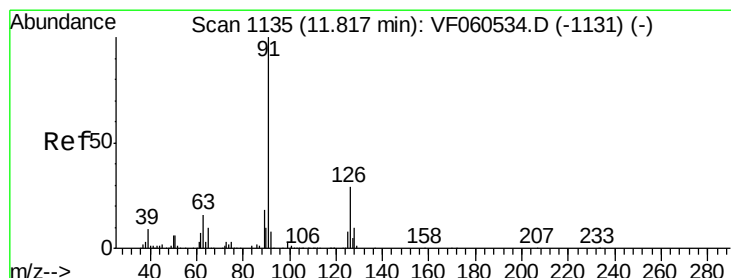
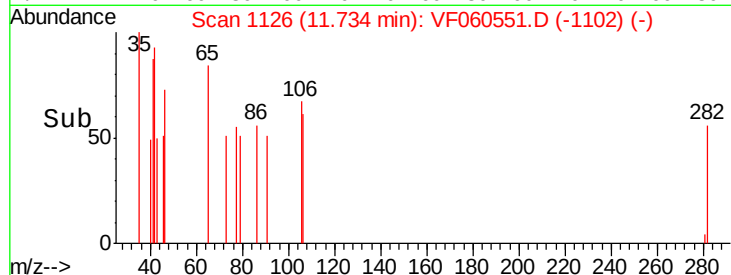


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

11.73

Time--> 11.70 11.72 11.74 11.76



#79

2-Chlorotoluene

Concen: 14.209 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF060551.D

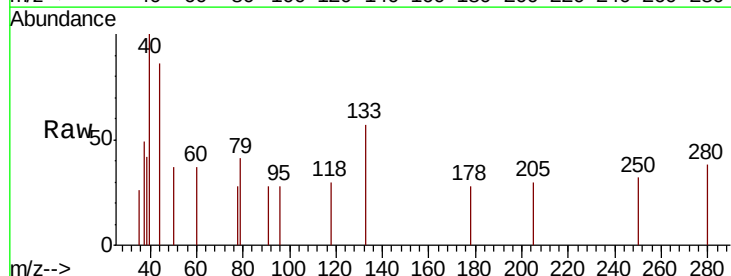
Acq: 30 Oct 2018 18:14

Tgt Ion: 91 Resp: 64

Ion Ratio Lower Upper

91 100

126 0.0 14.2 42.8#

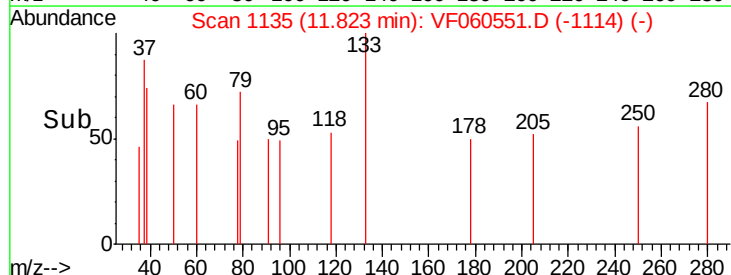


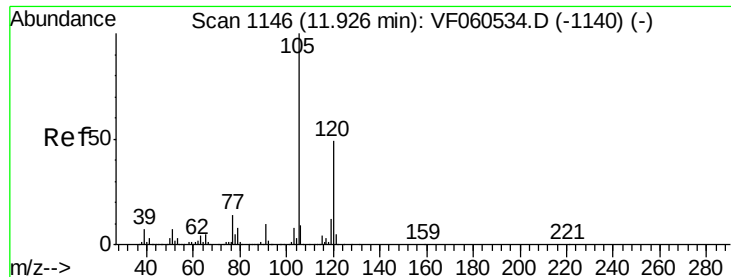
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.82

Time--> 11.80 11.82 11.84





#80

1,3,5-Trimethylbenzene

Concen: 12.221 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.07 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampled :

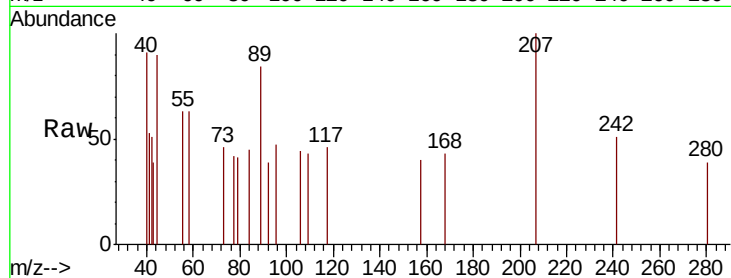
DL-SED-01

Tot Ion:105 Resp: 67

Ion Ratio Lower Upper

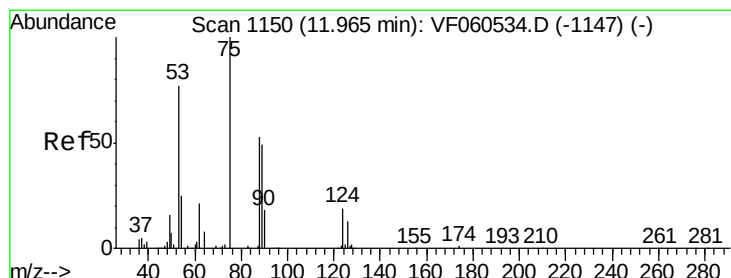
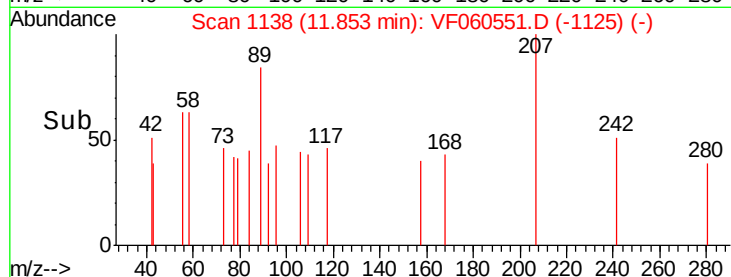
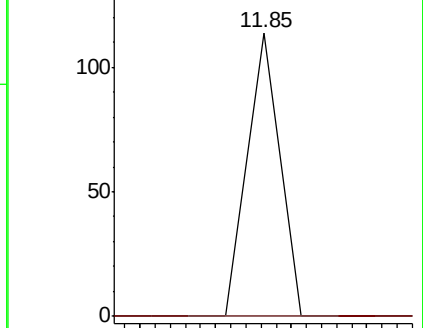
105 100

120 0.0 24.3 73.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 172.478 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

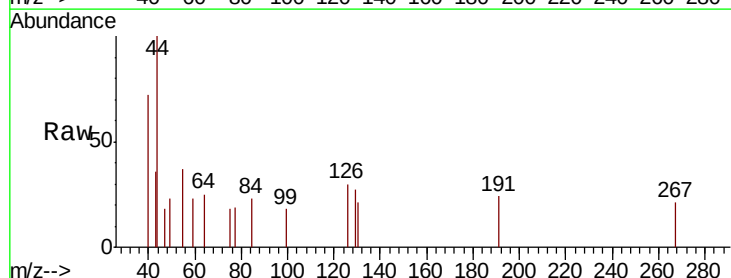
Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.6#

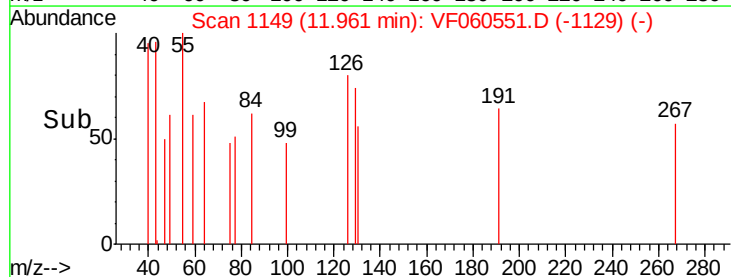
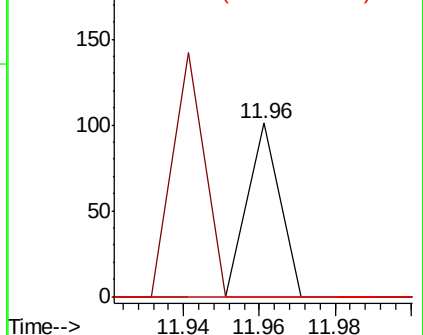
89 0.0 44.0 66.0#

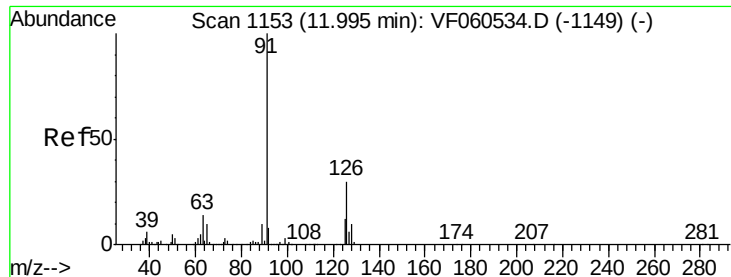


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0





#82

4-Chlorotoluene

Concen: 13.705 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.17 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampled :

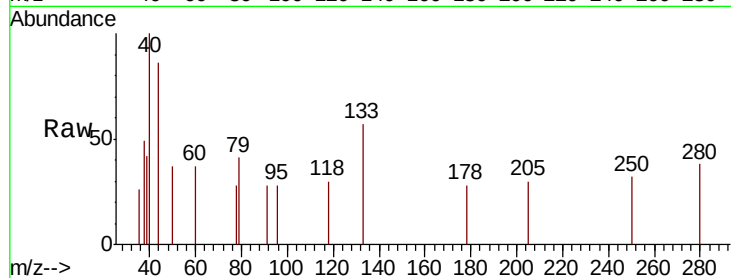
DL-SED-01

Tot Ion: 91 Resp: 64

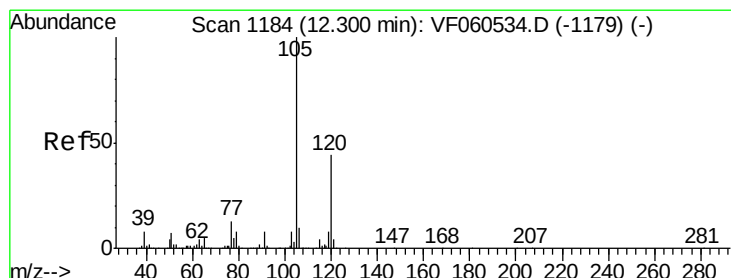
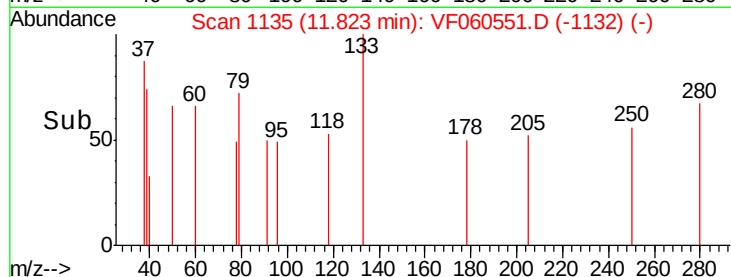
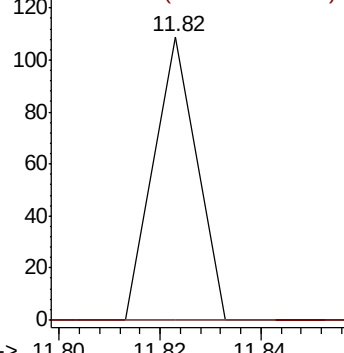
Ion Ratio Lower Upper

91 100

126 0.0 15.1 45.3#



Abundance Ion 91.00 (90.70 to 91.70): VF060534.D (-1149) (-)



#84

1,2,4-Trimethylbenzene

Concen: 11.134 ug/l

RT: 12.28 min Scan# 1181

Delta R.T. -0.02 min

Lab File: VF060551.D

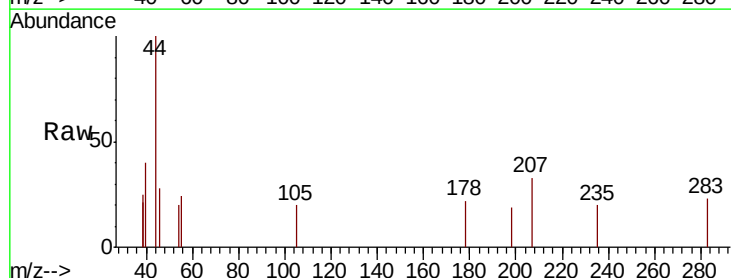
Acq: 30 Oct 2018 18:14

Tgt Ion: 105 Resp: 62

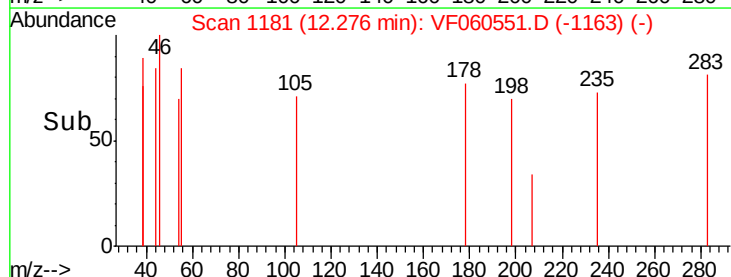
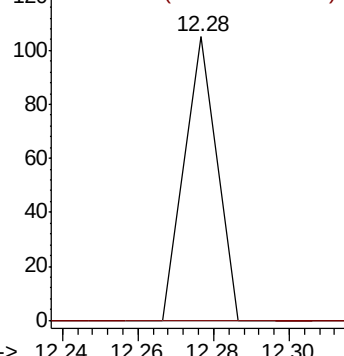
Ion Ratio Lower Upper

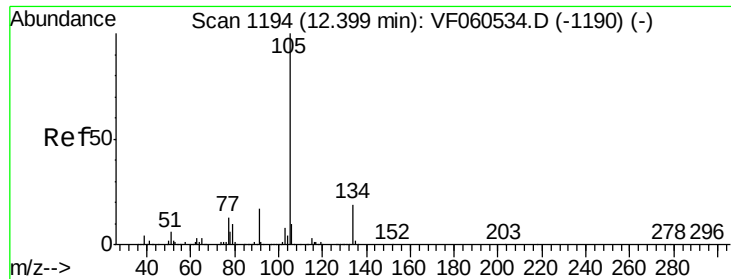
105 100

120 0.0 22.0 66.0#



Abundance Ion 105.00 (104.70 to 105.70): VF060534.D (-1179) (-)





#85

sec-Butylbenzene

Concen: 8.327 ug/l

RT: 12.28 min Scan# 1181

Delta R.T. -0.12 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampled :

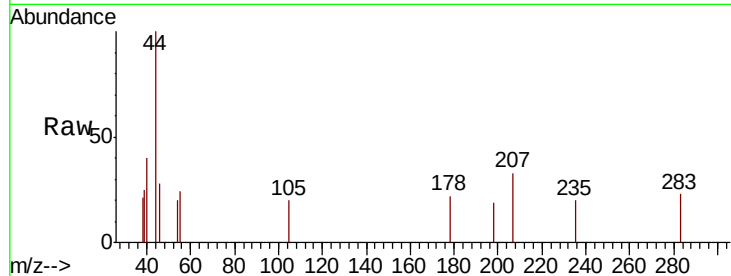
DL-SED-01

Tot Ion:105 Resp: 62

Ion Ratio Lower Upper

105 100

134 0.0 9.6 28.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.28

100

80

60

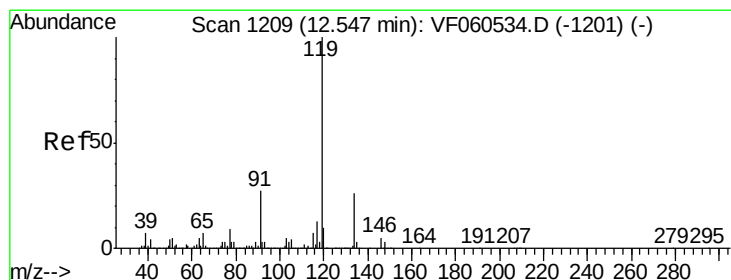
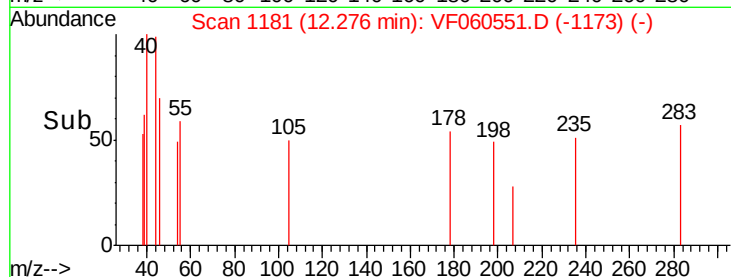
40

20

0

12.24 12.26 12.28 12.30

Time-->



#86

p-Isopropyltoluene

Concen: 13.910 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

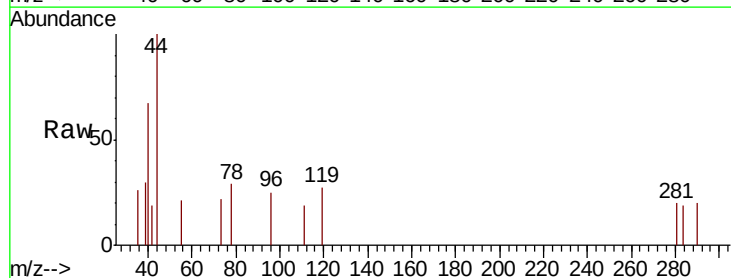
Tgt Ion:119 Resp: 85

Ion Ratio Lower Upper

119 100

134 0.0 13.1 39.1#

91 0.0 13.5 40.4#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.53

150

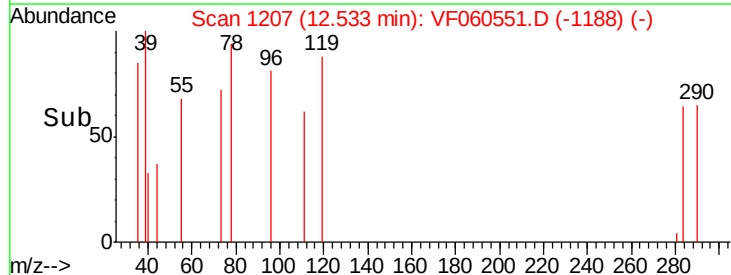
100

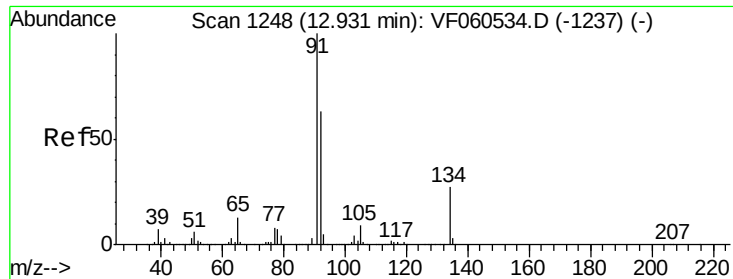
50

0

12.50 12.52 12.54 12.56

Time-->

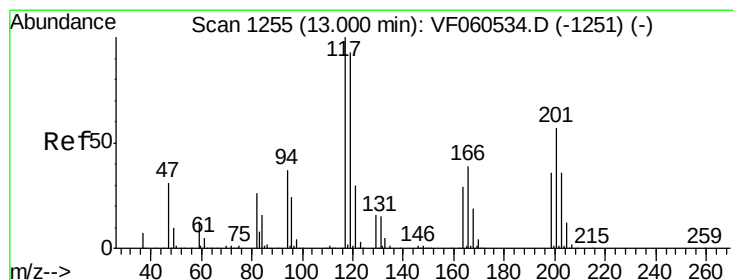
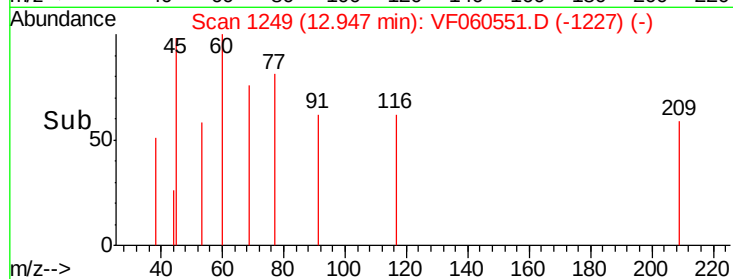
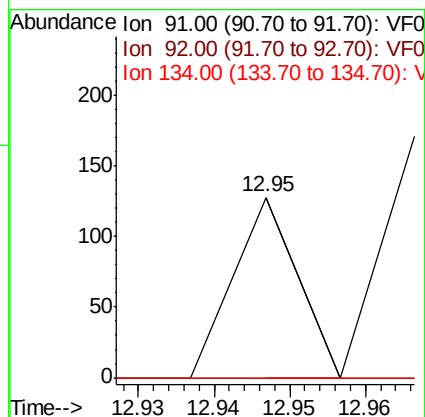
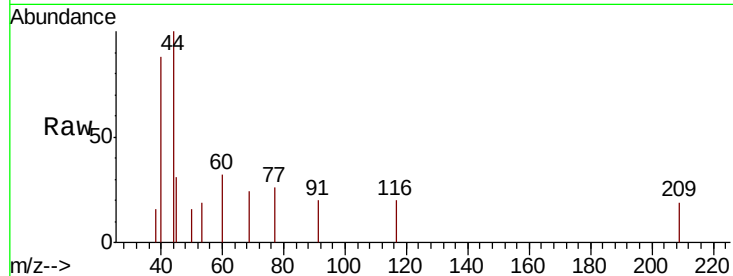




#89
n-Butylbenzene
Concen: 7.844 ug/l
RT: 12.95 min Scan# 1249
Delta R.T. 0.02 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

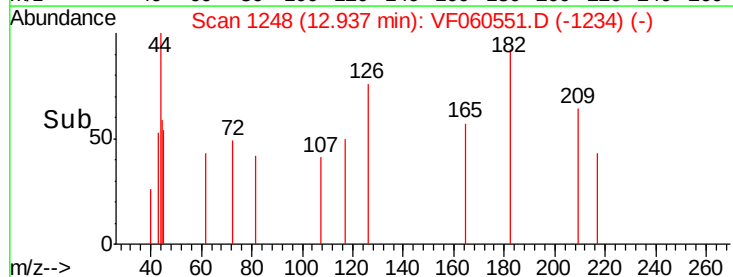
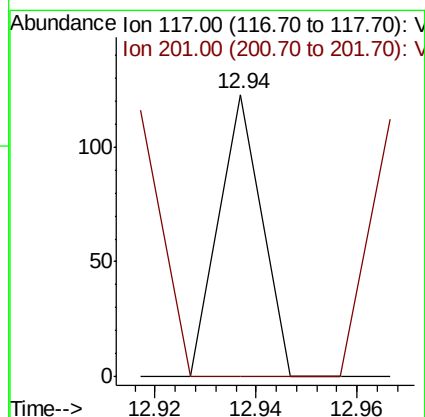
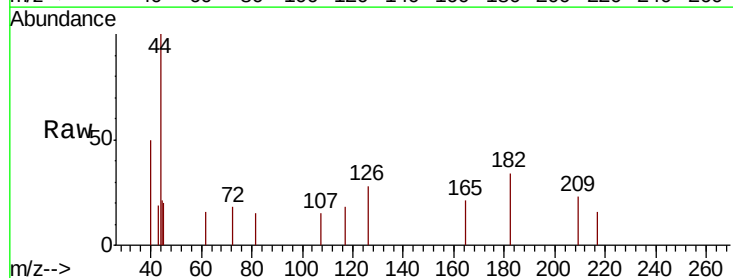
Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01

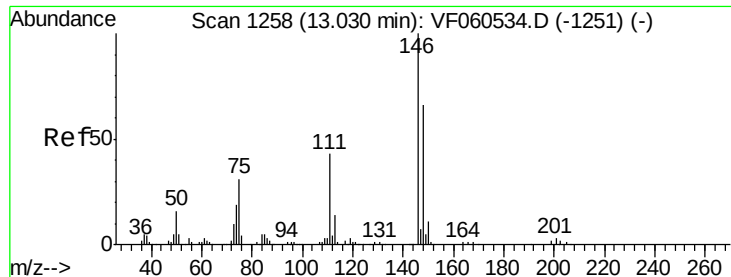
Tot Ion: 91 Resp: 76
Ion Ratio Lower Upper
91 100
92 0.0 31.3 93.9#
134 0.0 13.3 39.8#



#90
Hexachloroethane
Concen: 46.284 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. -0.06 min
Lab File: VF060551.D
Acq: 30 Oct 2018 18:14

Tgt Ion: 117 Resp: 73
Ion Ratio Lower Upper
117 100
201 0.0 28.2 84.7#

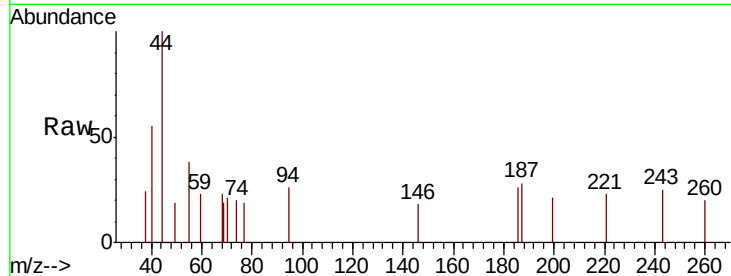




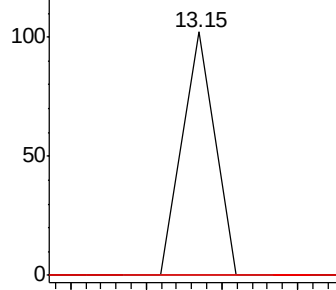
#91
 1,2-Dichlorobenzene
 Concen: 22.855 ug/l
 RT: 13.15 min Scan# 1270
 Delta R.T. 0.12 min
 Lab File: VF060551.D
 Acq: 30 Oct 2018 18:14

Instrument :
 MSVOA_F
 ClientSampled :
 DL-SED-01

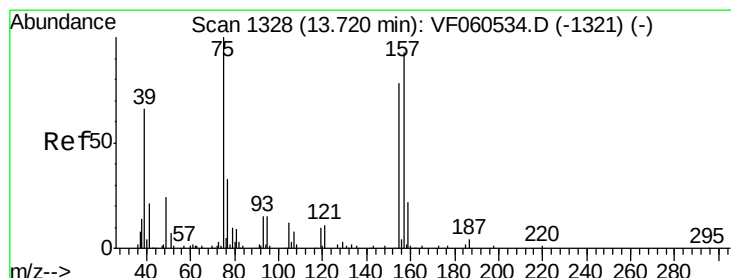
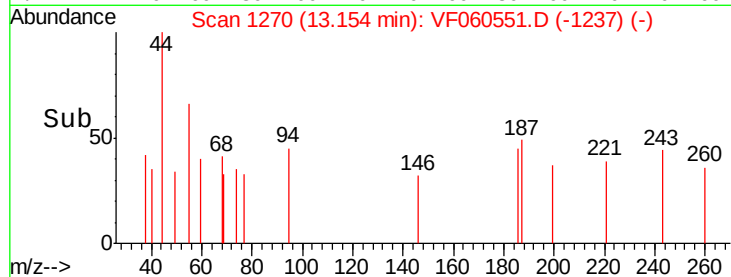
Tot Ion:146 Resp: 60
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.5 64.5#
 148 0.0 33.1 99.5#



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

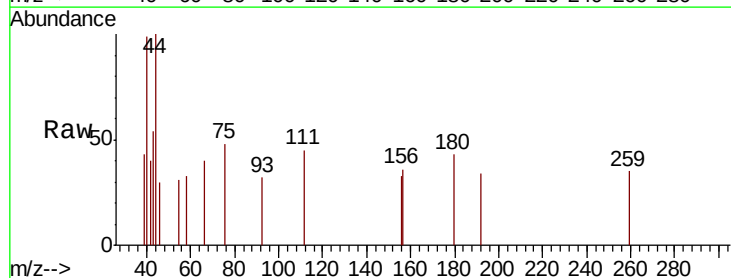


Time--> 13.12 13.14 13.16 13.18

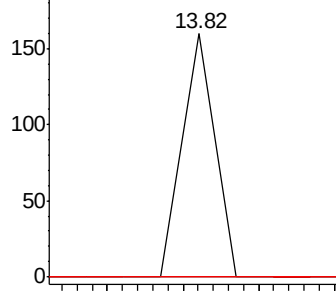


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 432.765 ug/l
 RT: 13.82 min Scan# 1338
 Delta R.T. 0.10 min
 Lab File: VF060551.D
 Acq: 30 Oct 2018 18:14

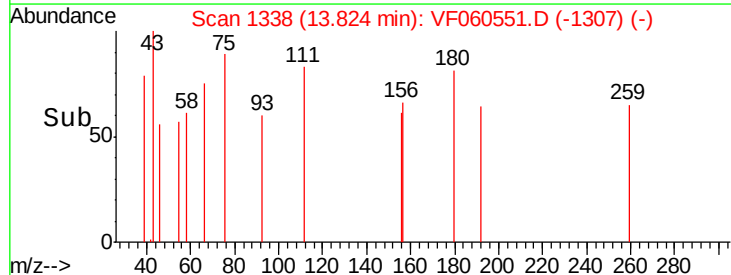
Tgt Ion: 75 Resp: 95
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.8 122.5#
 157 0.0 46.5 139.5#

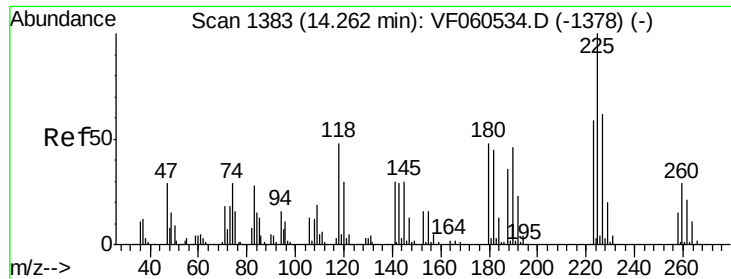


Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V



Time--> 13.80 13.82 13.84





#94

Hexachlorobutadiene

Concen: 45.250 ug/l

RT: 14.34 min Scan# 1390

Delta R.T. 0.07 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01

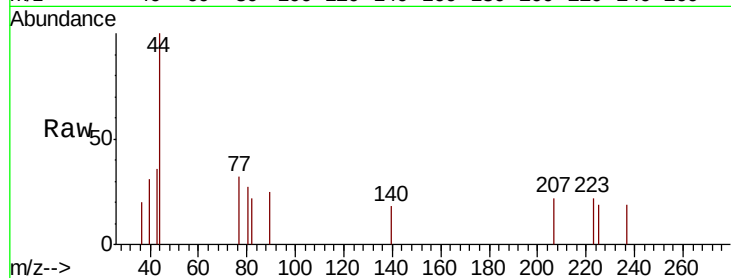
Tot Ion:225 Resp: 63

Ion Ratio Lower Upper

225 100

223 117.0 29.5 88.5#

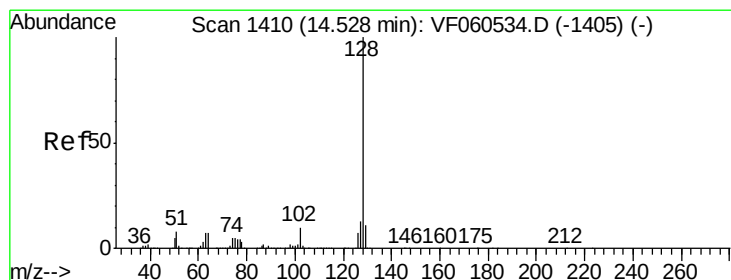
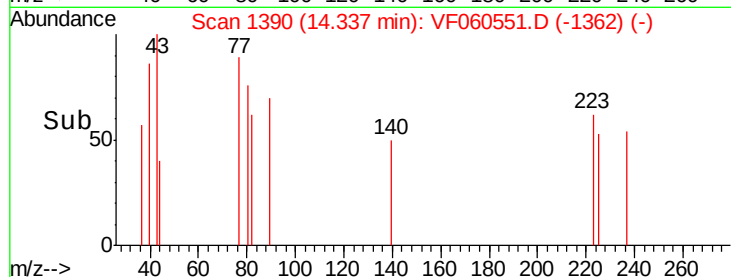
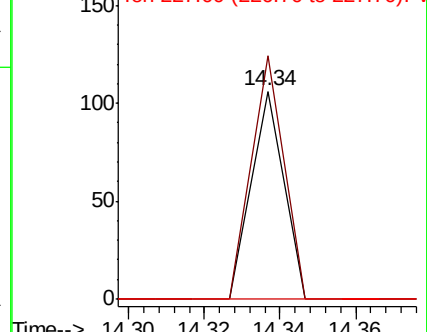
227 0.0 31.3 93.8#



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#95

Naphthalene

Concen: 35.936 ug/l

RT: 14.53 min Scan# 1410

Delta R.T. 0.01 min

Lab File: VF060551.D

Acq: 30 Oct 2018 18:14

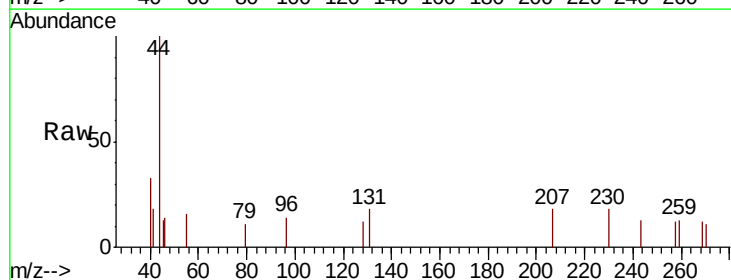
Tgt Ion:128 Resp: 125

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

