

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF103018\
 Data File : VF060552.D
 Acq On : 30 Oct 2018 18:43
 Operator : VA/AP
 Sample : J5696-02MS
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MS

Quant Time: Oct 31 04:53:50 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	5.04	168	1991	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	2222	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	804	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.75	152	64	50.00	ug/l	0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	535	17.42	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	34.84%	
35) Dibromofluoromethane	4.27	113	1010	47.37	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	94.74%	
50) Toluene-d8	7.69	98	2481	47.65	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	95.30%	
62) 4-Bromofluorobenzene	11.38	95	93	3.88	ug/l	-0.14
Spiked Amount				50.000		
			Recovery	=	7.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	3011	92.866	ug/l	90
3) Chloromethane	1.09	50	2147	107.299	ug/l #	86
4) Vinyl Chloride	1.14	62	1447	60.618	ug/l #	74
5) Bromomethane	1.34	94	727	38.753	ug/l	90
6) Chloroethane	1.41	64	952	76.596	ug/l	97
7) Trichlorofluoromethane	1.49	101	5334	92.746	ug/l	84
8) Diethyl Ether	1.67	74	60	8.318	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.88	101	2782	110.831	ug/l #	69
10) Methyl Iodide	1.93	142	2051	47.147	ug/l #	84
11) Tert butyl alcohol	2.77	59	93	67.015	ug/l #	71
12) 1,1-Dichloroethene	1.83	96	1631	72.894	ug/l #	66
13) Acrolein	2.04	56	79	68.775	ug/l #	12
14) Allyl chloride	2.19	41	1772	49.807	ug/l #	57
15) Acrylonitrile	3.23	53	72	23.446	ug/l #	13
16) Acetone	2.38	43	67	1.792	ug/l #	62
17) Carbon Disulfide	1.85	76	4236	67.362	ug/l #	63
18) Methyl Acetate	2.43	43	115	14.434	ug/l #	61
19) Methyl tert-butyl Ether	2.54	73	96	1.915	ug/l #	59
20) Methylene Chloride	2.27	84	578	28.103	ug/l #	56
21) trans-1,2-Dichloroethene	2.41	96	1157	50.558	ug/l #	75
22) Diisopropyl ether	2.94	45	81	1.253	ug/l #	31
23) Vinyl Acetate	3.33	43	72	3.004	ug/l #	78
24) 1,1-Dichloroethane	3.00	63	2432	52.152	ug/l #	86
25) 2-Butanone	4.49	43	85	Below Cal	#	1
26) 2,2-Dichloropropane	3.77	77	2100	72.463	ug/l #	61
27) cis-1,2-Dichloroethene	3.64	96	499	18.084	ug/l	40
28) Bromochloromethane	3.91	49	67	3.989	ug/l #	8
29) Tetrahydrofuran	4.29	42	221	76.545	ug/l #	34
30) Chloroform	4.04	83	2269	38.527	ug/l #	71
31) Cyclohexane	3.88	56	2053	61.658	ug/l #	72
32) 1,1,1-Trichloroethane	4.27	97	3640	74.759	ug/l #	60
36) 1,1-Dichloropropene	4.45	75	2276	82.210	ug/l	95
37) Ethyl Acetate	4.29	43	80	8.926	ug/l #	1
38) Carbon Tetrachloride	4.16	117	3908	117.897	ug/l #	59

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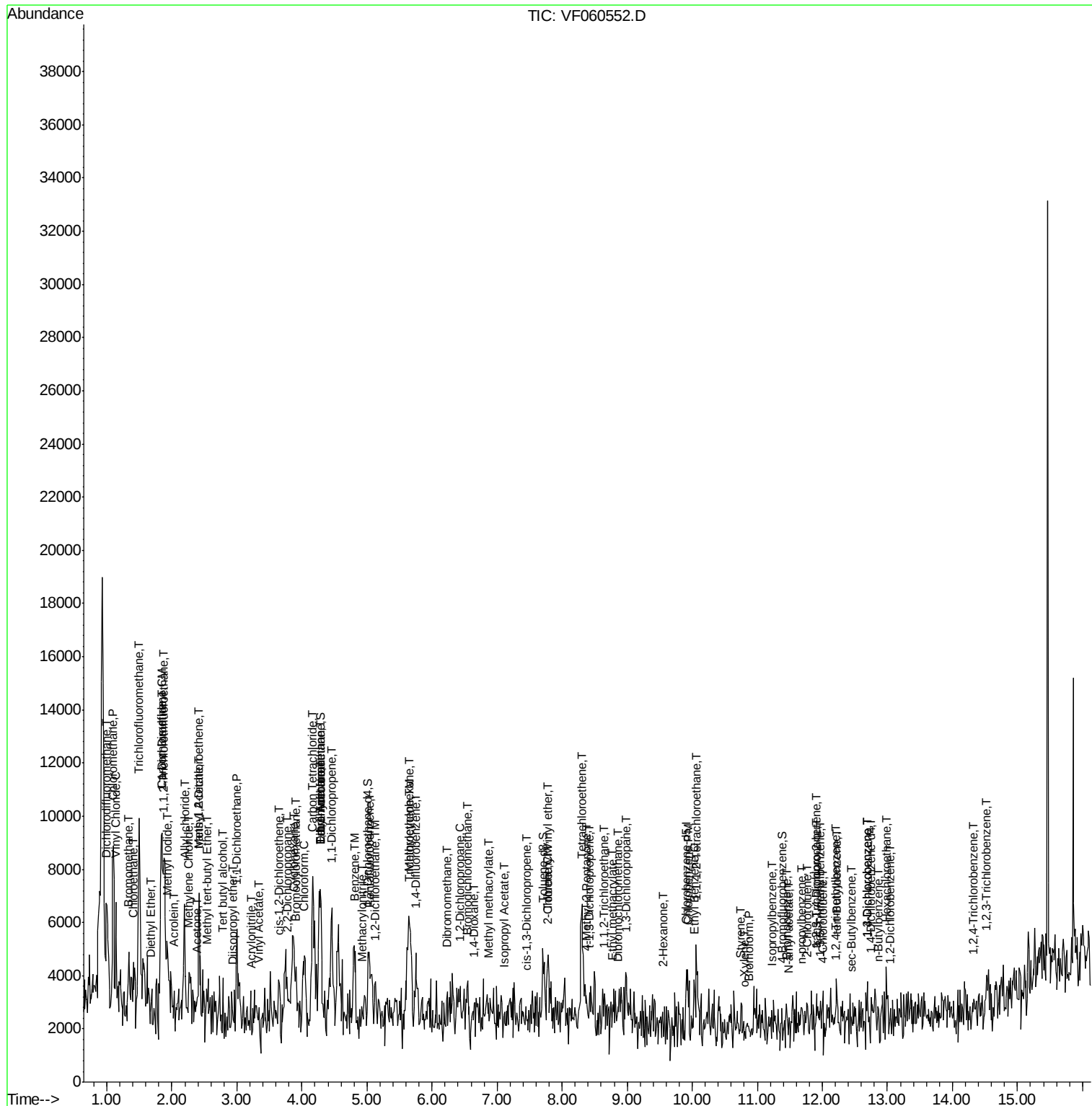
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	1274	45.568	ug/l #	66
40) Benzene	4.81	78	2555	46.531	ug/l	95
41) Methacrylonitrile	4.93	41	456	89.007	ug/l #	24
42) 1,2-Dichloroethane	5.11	62	478	18.748	ug/l	78
43) Isopropyl Acetate	7.11	43	208	19.173	ug/l #	43
44) Trichloroethene	5.66	130	1077	60.677	ug/l	76
45) 1,2-Dichloropropane	6.42	63	79	5.765	ug/l #	42
46) Dibromomethane	6.23	93	168	15.613	ug/l #	9
47) Bromodichloromethane	6.55	83	257	9.308	ug/l #	55
48) Methyl methacrylate	6.87	41	155	20.714	ug/l #	40
49) 1,4-Dioxane	6.65	88	86	1235.473	ug/l #	12
51) 4-Methyl-2-Pentanone	8.37	43	299	38.049	ug/l #	35
52) Toluene	7.78	92	1222	34.281	ug/l	84
53) t-1,3-Dichloropropene	8.42	75	72	3.338	ug/l #	44
54) cis-1,3-Dichloropropene	7.46	75	183	7.159	ug/l #	7
55) 1,1,2-Trichloroethane	8.64	97	230	21.534	ug/l #	15
56) Ethyl methacrylate	8.77	69	115	9.596	ug/l #	22
57) 1,3-Dichloropropane	8.99	76	273	15.104	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.76	63	143	115.774	ug/l	100
59) 2-Hexanone	9.56	43	111	20.581	ug/l	92
60) Dibromochloromethane	8.86	129	239	13.891	ug/l #	10
64) Tetrachloroethene	8.31	164	979	144.049	ug/l #	53
65) Chlorobenzene	9.93	112	296	18.299	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.07	131	781	105.955	ug/l #	33
67) Ethyl Benzene	10.04	91	845	27.340	ug/l #	47
69) o-Xylene	10.81	106	63	5.300	ug/l #	1
70) Styrene	10.75	104	138	8.234	ug/l #	27
71) Bromoform	10.88	173	86	22.620	ug/l #	34
73) Isopropylbenzene	11.22	105	178	36.383	ug/l #	1
74) N-amyl acetate	11.50	43	233	237.820	ug/l #	43
76) 1,2,3-Trichloropropane	11.91	75	96	156.325	ug/l #	41
77) Bromobenzene	11.46	156	63	58.529	ug/l #	1
78) n-propylbenzene	11.70	91	67	11.546	ug/l #	55
79) 2-Chlorotoluene	11.75	91	67	19.291	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.96	105	65	15.377	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.91	75	96	357.891	ug/l #	15
82) 4-Chlorotoluene	11.99	91	135	37.490	ug/l #	44
83) tert-Butylbenzene	12.21	119	227	55.413	ug/l #	26
84) 1,2,4-Trimethylbenzene	12.20	105	146	34.002	ug/l #	32
85) sec-Butylbenzene	12.45	105	60	10.451	ug/l #	58
87) 1,3-Dichlorobenzene	12.70	146	63	29.321	ug/l #	23
88) 1,4-Dichlorobenzene	12.70	146	63	31.067	ug/l #	22
89) n-Butylbenzene	12.87	91	64	9.269	ug/l #	28
90) Hexachloroethane	13.00	117	421	346.169	ug/l #	23
91) 1,2-Dichlorobenzene	13.05	146	66	32.604	ug/l #	23
93) 1,2,4-Trichlorobenzene	14.33	180	112	73.867	ug/l #	12
96) 1,2,3-Trichlorobenzene	14.52	180	69	47.810	ug/l #	11

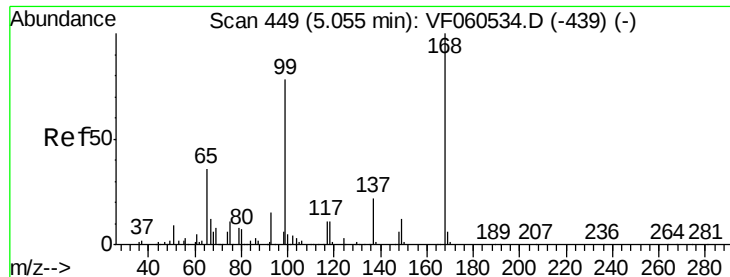
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.01 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

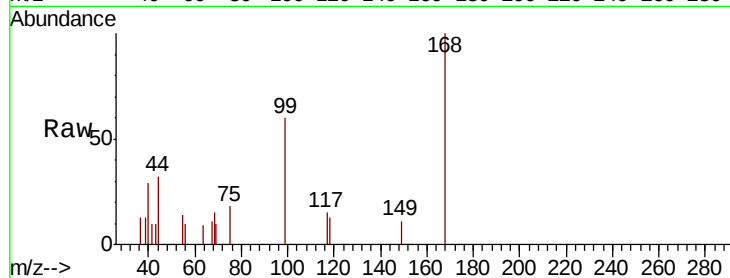
DL-SED-01MS

Tot Ion:168 Resp: 1991

Ion Ratio Lower Upper

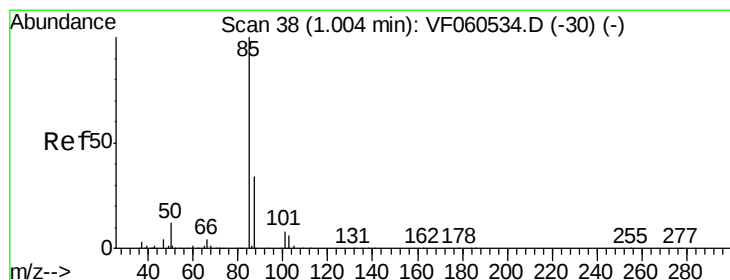
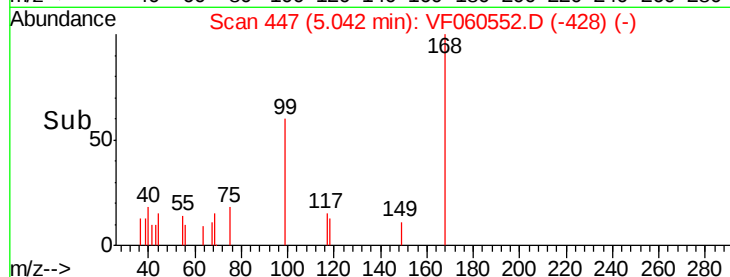
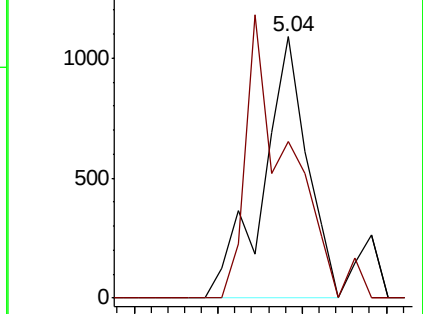
168 100

99 60.3 62.6 93.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 92.866 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060552.D

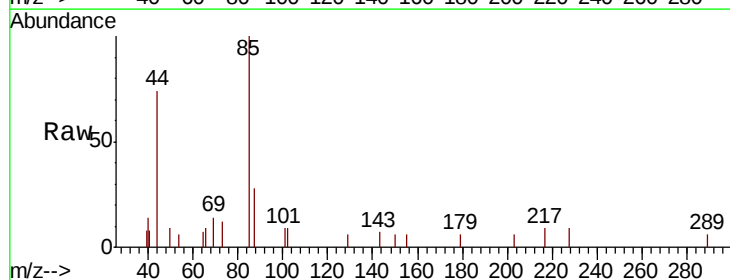
Acq: 30 Oct 2018 18:43

Tgt Ion: 85 Resp: 3011

Ion Ratio Lower Upper

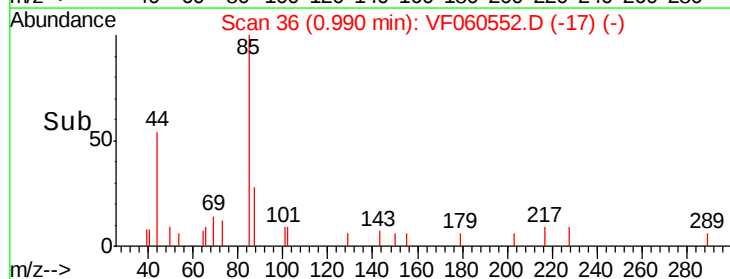
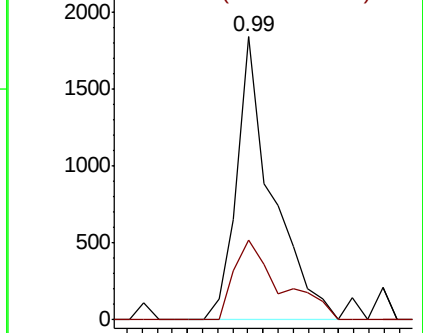
85 100

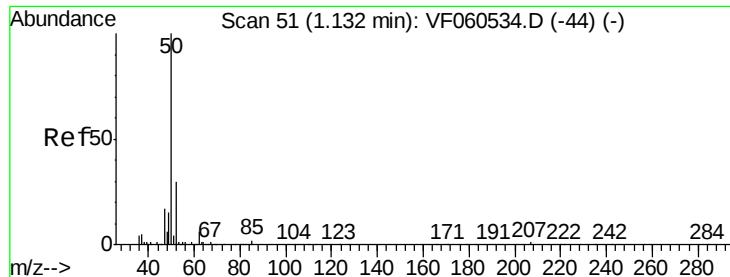
87 28.1 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 107.299 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.04 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

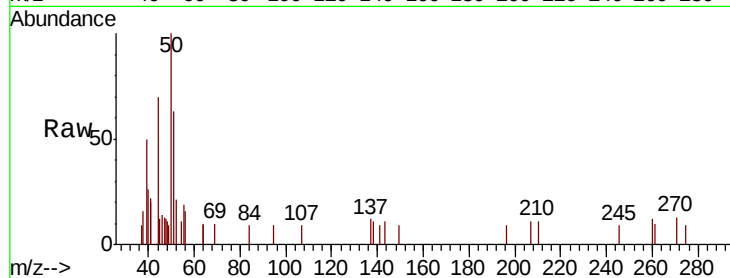
DL-SED-01MS

Tot Ion: 50 Resp: 2147

Ion Ratio Lower Upper

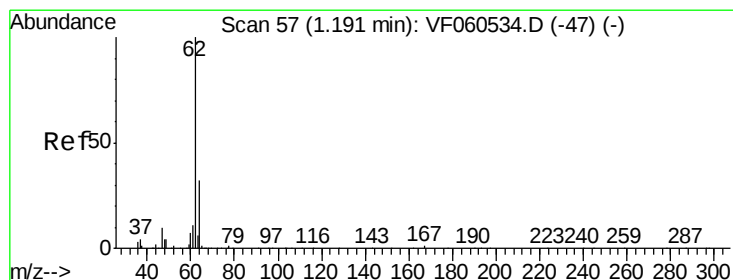
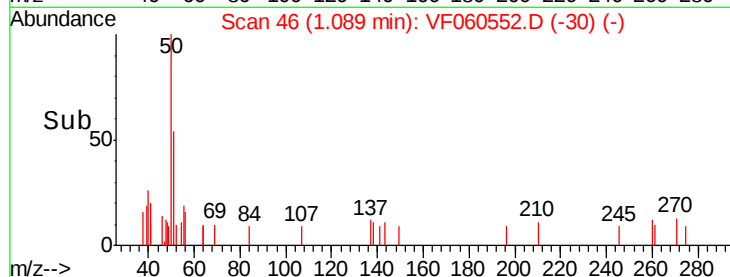
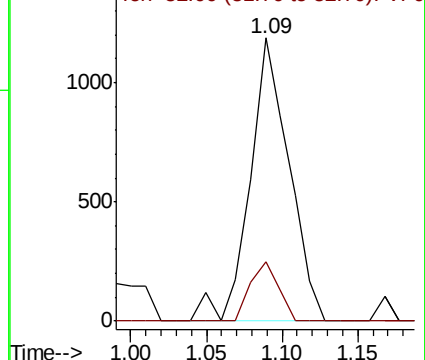
50 100

52 21.1 22.8 34.2#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 60.618 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.05 min

Lab File: VF060552.D

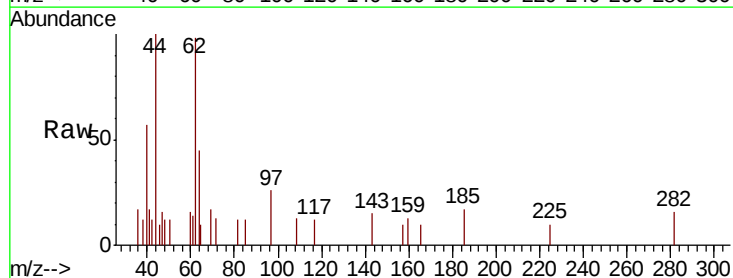
Acq: 30 Oct 2018 18:43

Tgt Ion: 62 Resp: 1447

Ion Ratio Lower Upper

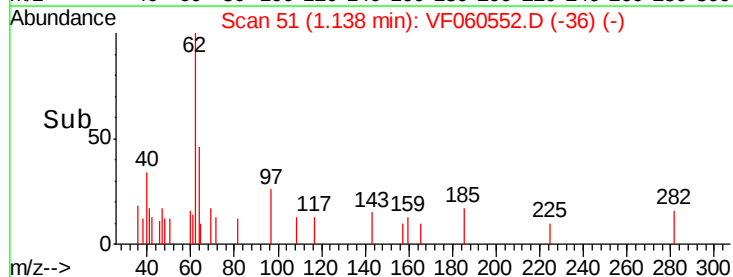
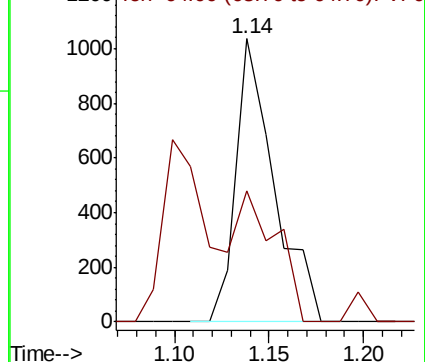
62 100

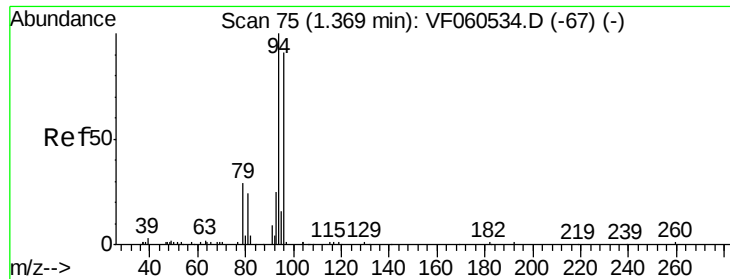
64 46.1 25.3 37.9#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 38.753 ug/l

RT: 1.34 min Scan# 71

Delta R.T. -0.03 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

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ClientSampleId :

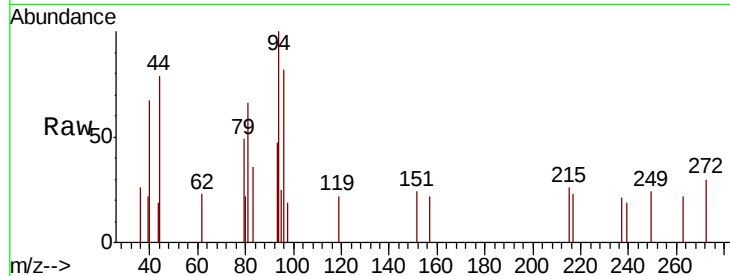
DL-SED-01MS

Tot Ion: 94 Resp: 727

Ion Ratio Lower Upper

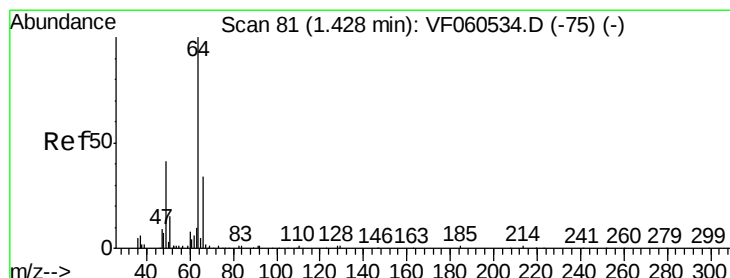
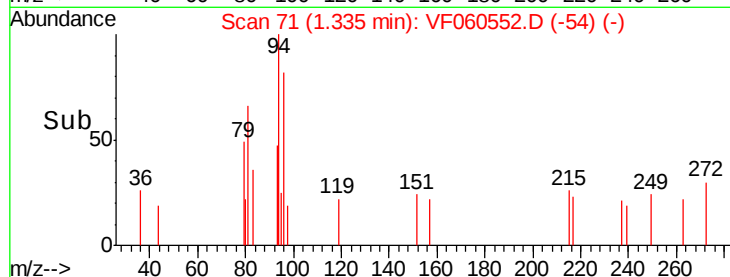
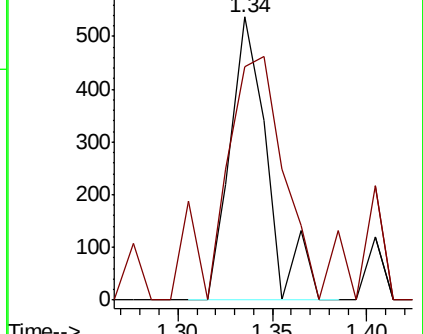
94 100

96 82.3 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: 76.596 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060552.D

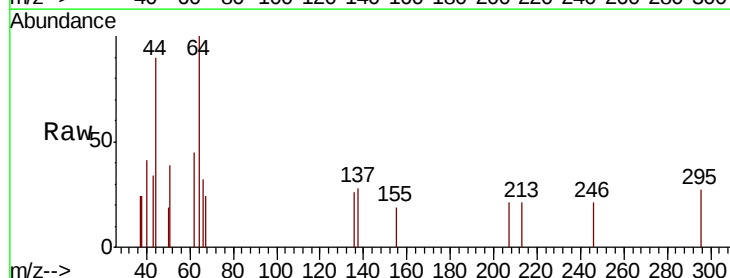
Acq: 30 Oct 2018 18:43

Tgt Ion: 64 Resp: 952

Ion Ratio Lower Upper

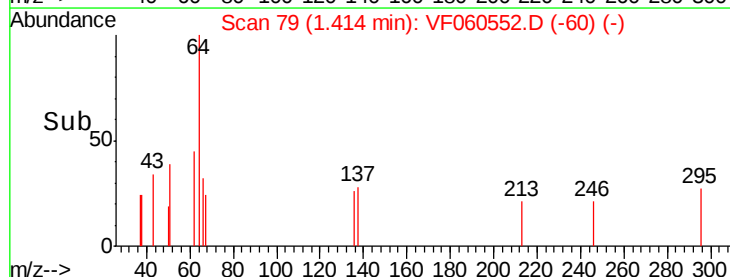
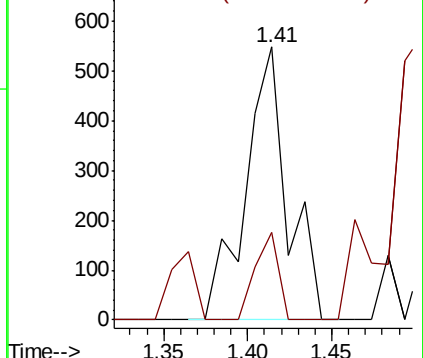
64 100

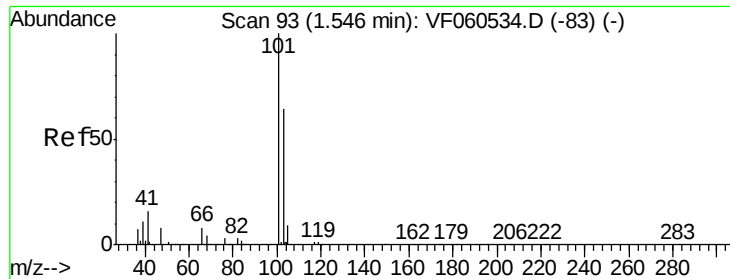
66 32.3 27.1 40.7



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 92.746 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.05 min

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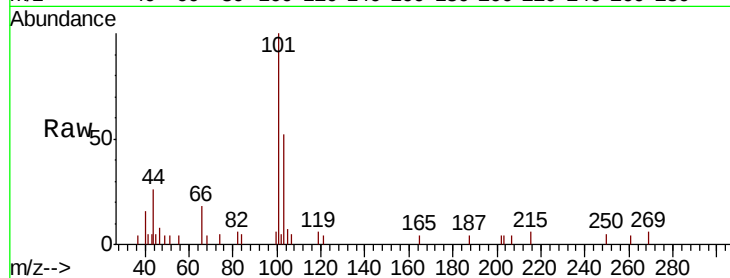
DL-SED-01MS

Tot Ion:101 Resp: 5334

Ion Ratio Lower Upper

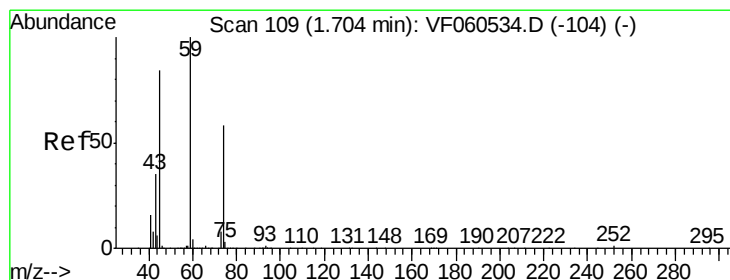
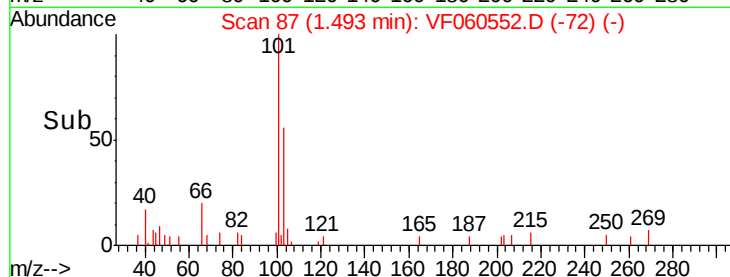
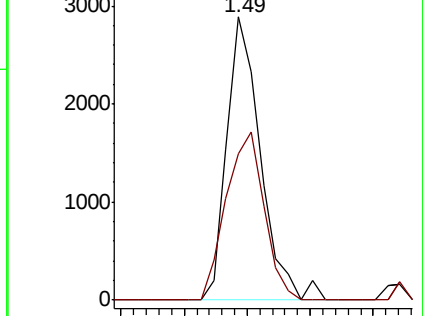
101 100

103 51.7 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 8.318 ug/l

RT: 1.67 min Scan# 105

Delta R.T. -0.03 min

Lab File: VF060552.D

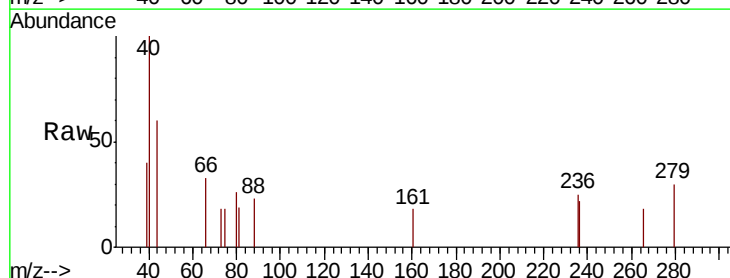
Acq: 30 Oct 2018 18:43

Tgt Ion: 74 Resp: 60

Ion Ratio Lower Upper

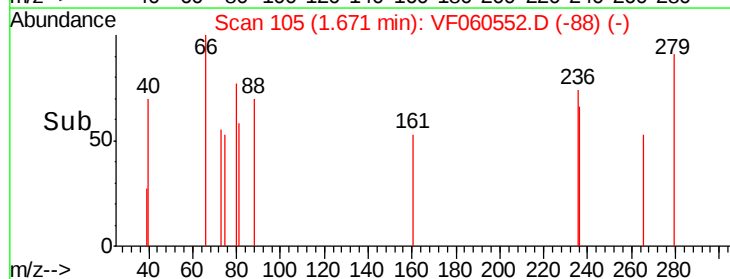
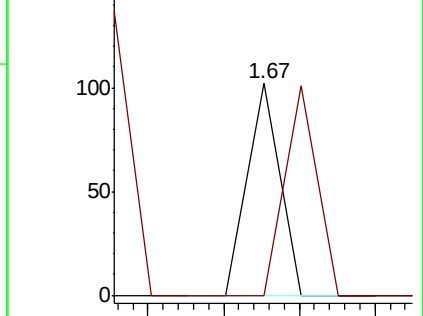
74 100

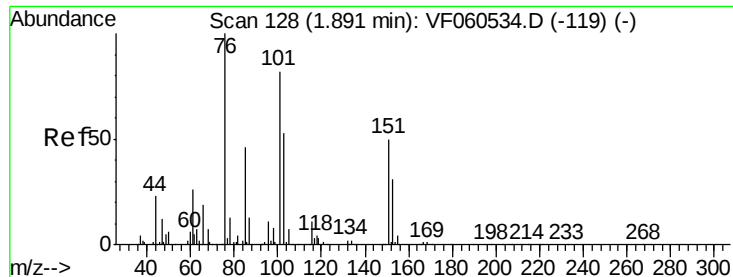
45 0.0 72.9 218.6#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 110.831 ug/l

RT: 1.88 min Scan# 126

Delta R.T. -0.01 min

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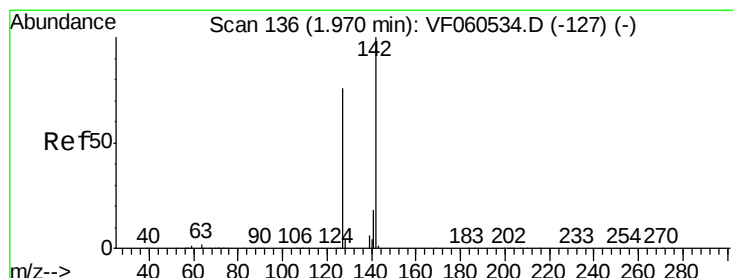
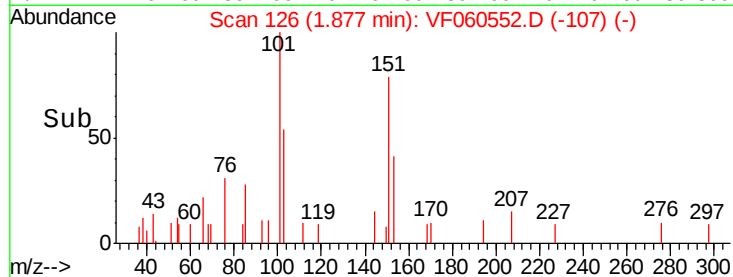
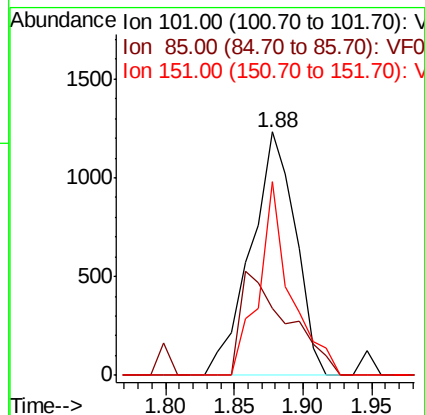
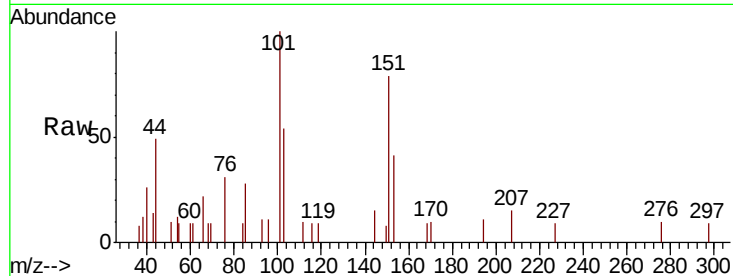
Tot Ion:101 Resp: 2782

Ion Ratio Lower Upper

101 100

85 27.7 44.6 67.0#

151 79.3 48.4 72.6#



#10

Methyl Iodide

Concen: 47.147 ug/l

RT: 1.93 min Scan# 131

Delta R.T. -0.04 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

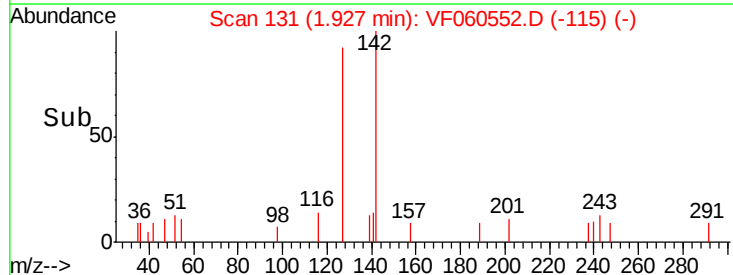
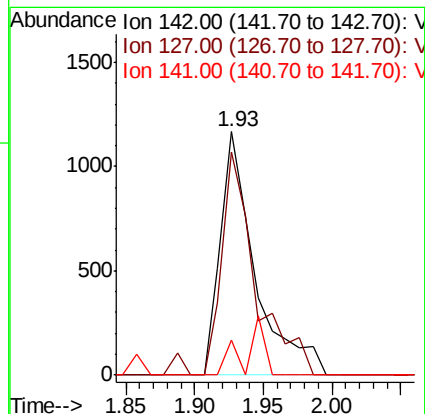
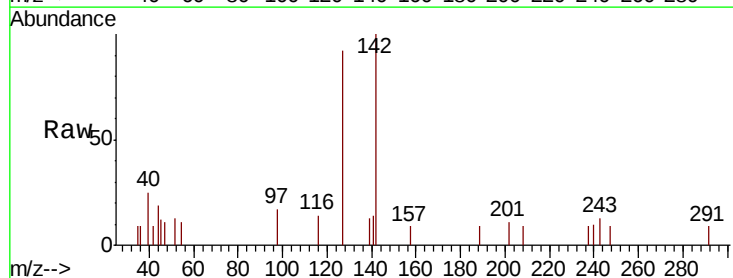
Tgt Ion:142 Resp: 2051

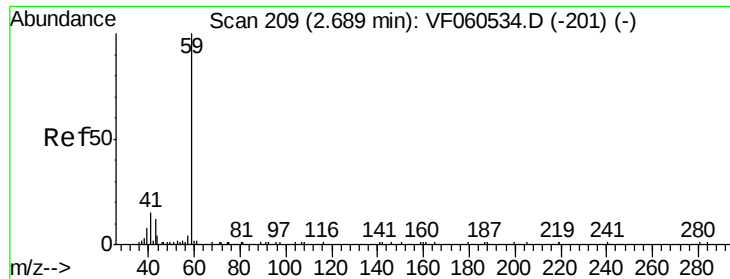
Ion Ratio Lower Upper

142 100

127 91.9 61.2 91.8#

141 14.5 14.0 21.0



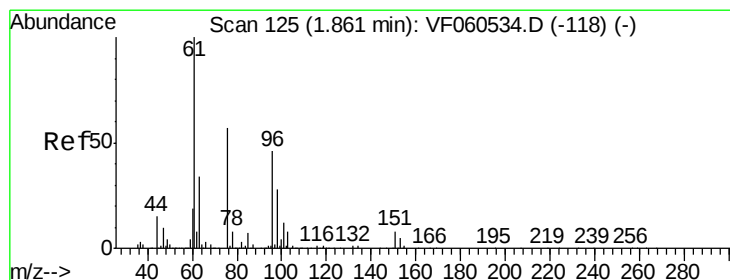
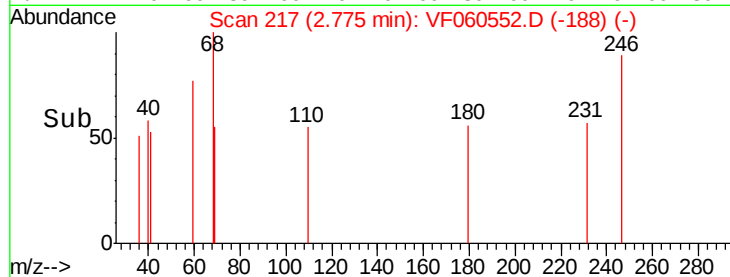
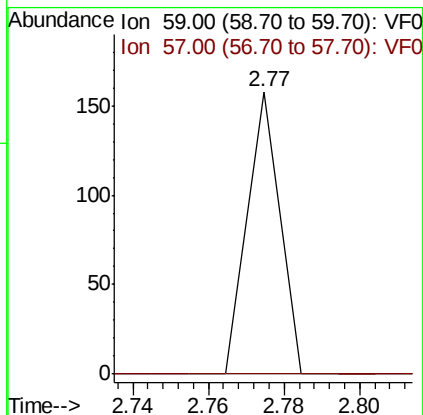
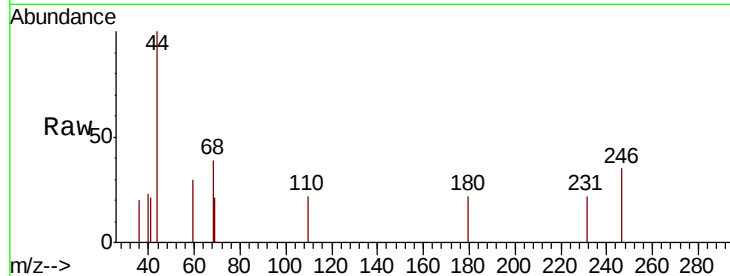


#11

Tert butyl alcohol
 Concen: 67.015 ug/l
 RT: 2.77 min Scan# 217
 Delta R.T. 0.09 min
 Lab File: VF060552.D
 Acq: 30 Oct 2018 18:43

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MS

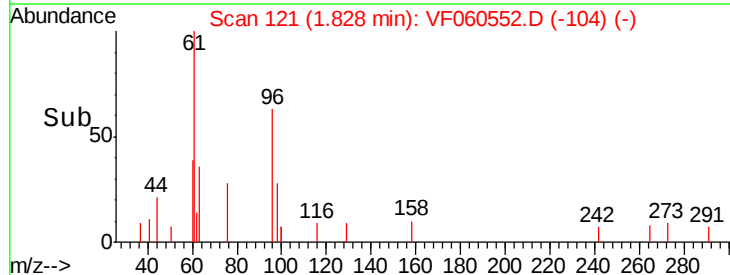
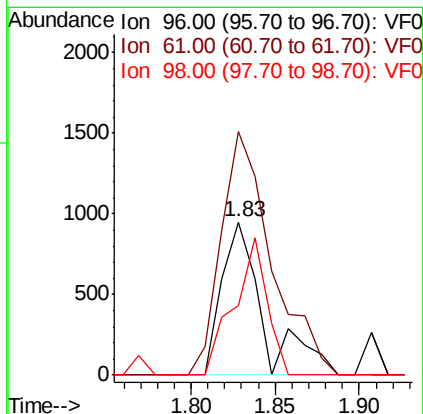
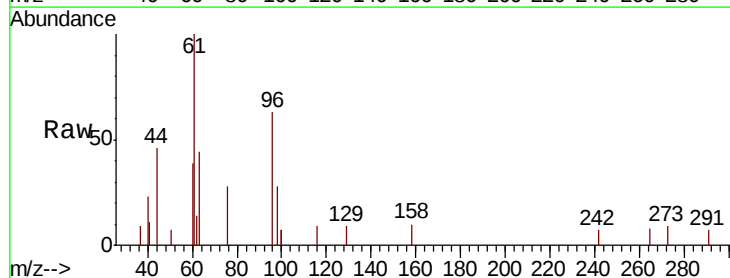
Tot Ion: 59 Resp: 93
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.9 13.3#

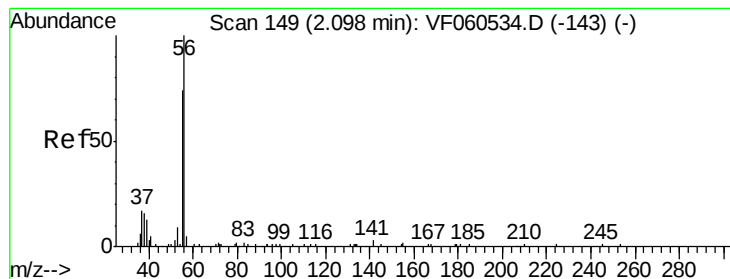


#12

1,1-Dichloroethene
 Concen: 72.894 ug/l
 RT: 1.83 min Scan# 121
 Delta R.T. -0.03 min
 Lab File: VF060552.D
 Acq: 30 Oct 2018 18:43

Tgt Ion: 96 Resp: 1631
 Ion Ratio Lower Upper
 96 100
 61 158.9 175.4 263.2#
 98 45.3 48.9 73.3#





#13

Acrolein

Concen: 68.775 ug/l

RT: 2.04 min Scan# 142

Delta R.T. -0.06 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

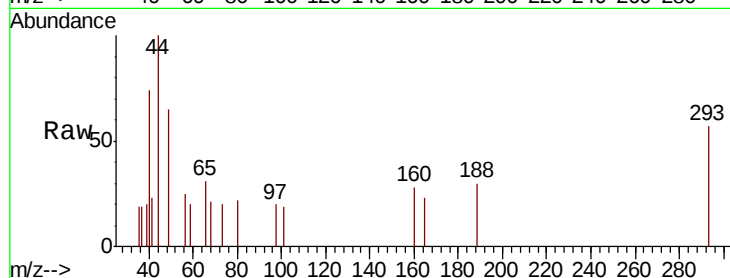
DL-SED-01MS

Tot Ion: 56 Resp: 79

Ion Ratio Lower Upper

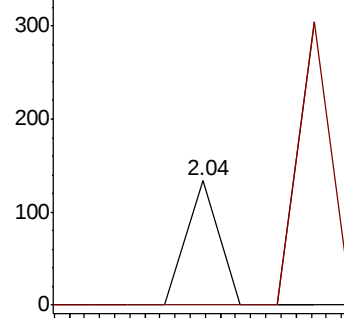
56 100

55 0.0 60.4 90.6#

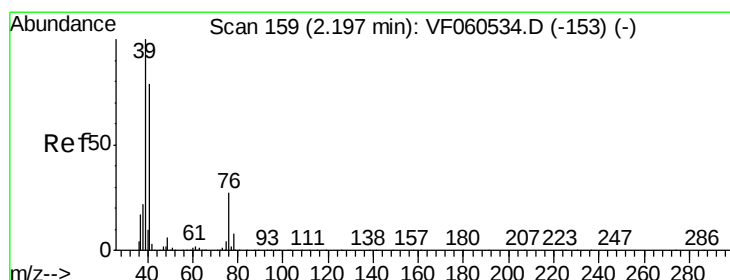
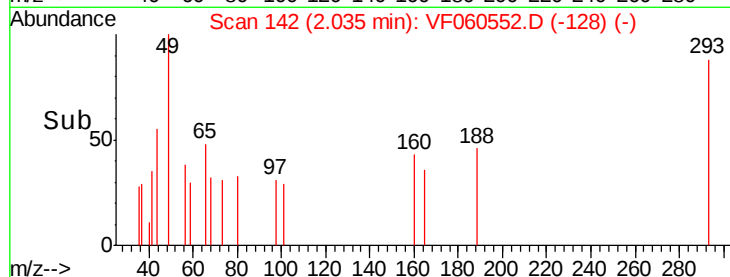


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time--> 2.00 2.02 2.04 2.06



#14

Allyl chloride

Concen: 49.807 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

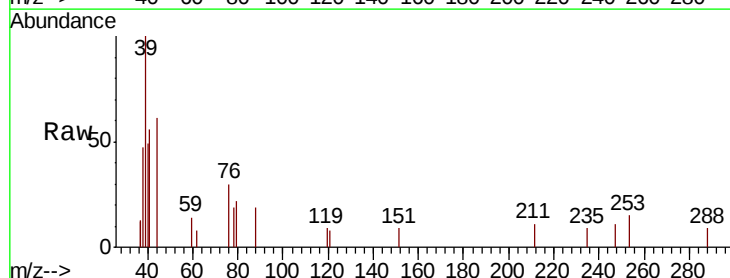
Tgt Ion: 41 Resp: 1772

Ion Ratio Lower Upper

41 100

39 178.6 100.6 151.0#

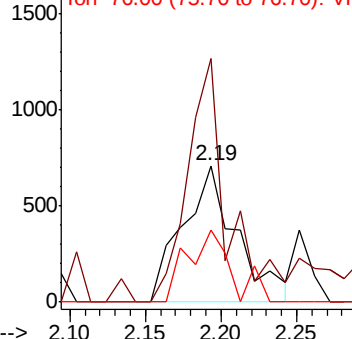
76 52.8 27.6 41.4#



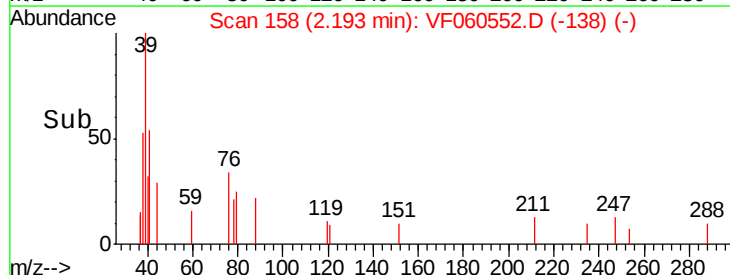
Abundance Ion 41.00 (40.70 to 41.70): VF0

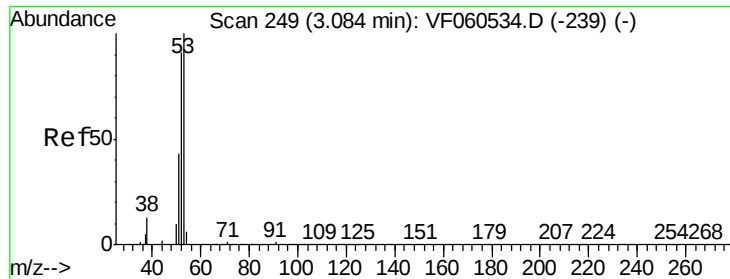
Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



Time--> 2.10 2.15 2.20 2.25





#15

Acrylonitrile

Concen: 23.446 ug/l

RT: 3.23 min Scan# 263

Delta R.T. 0.14 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MS

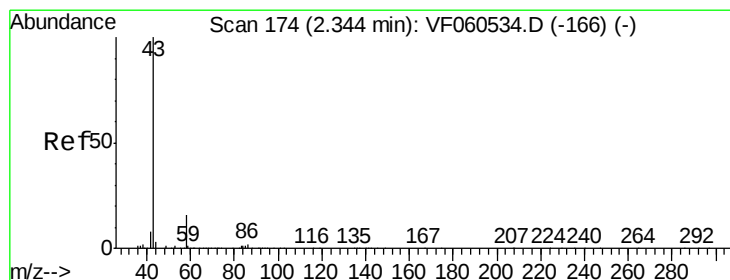
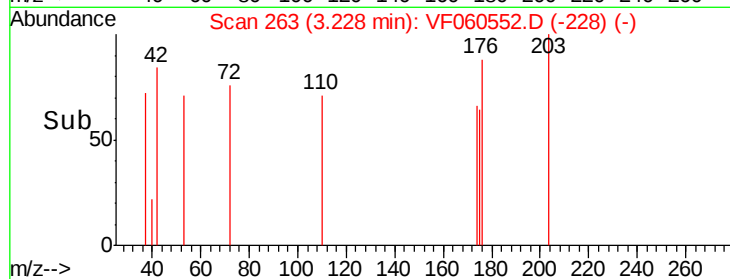
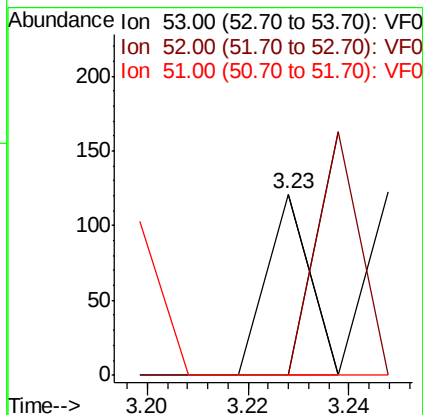
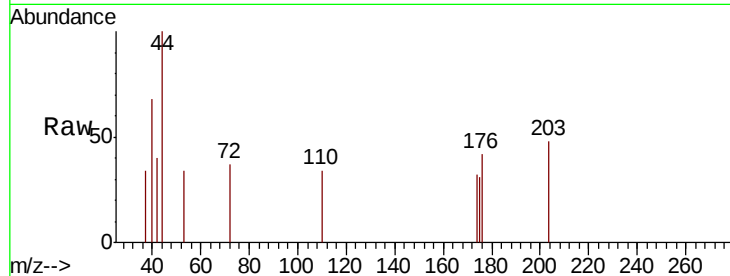
Tot Ion: 53 Resp: 72

Ion Ratio Lower Upper

53 100

52 0.0 73.2 109.8#

51 0.0 35.0 52.4#



#16

Acetone

Concen: 1.792 ug/l

RT: 2.38 min Scan# 177

Delta R.T. 0.04 min

Lab File: VF060552.D

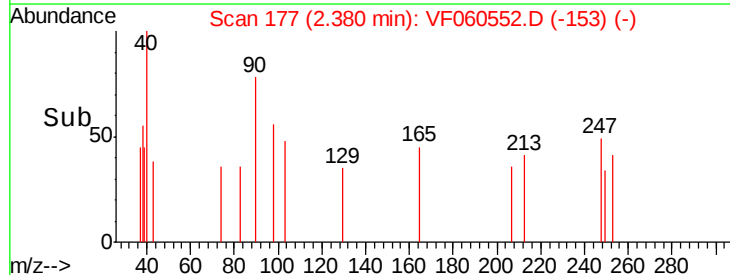
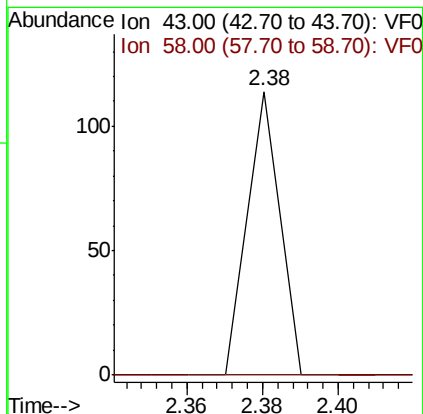
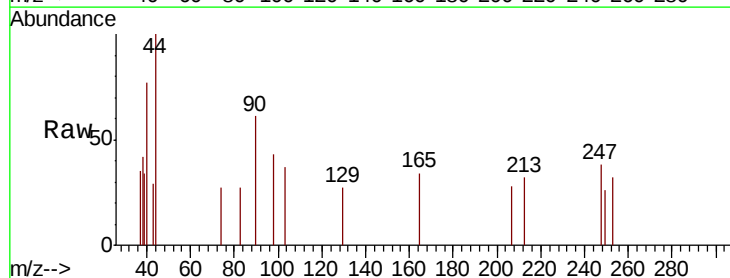
Acq: 30 Oct 2018 18:43

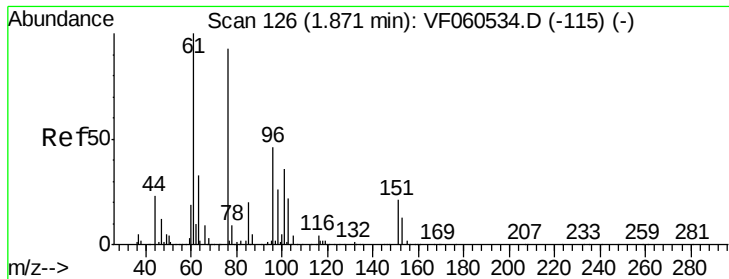
Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

58 0.0 12.8 19.2#

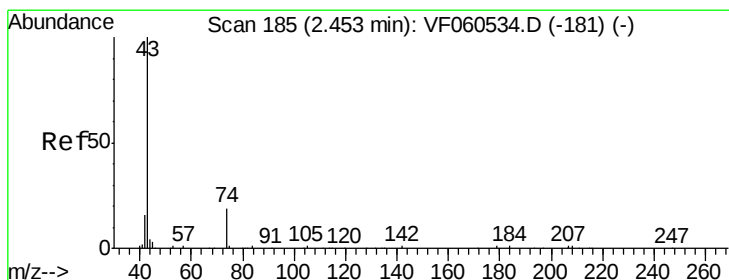
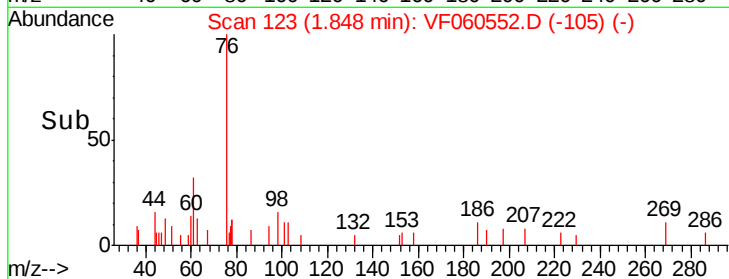
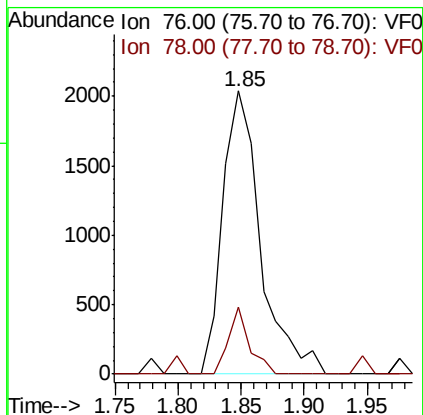
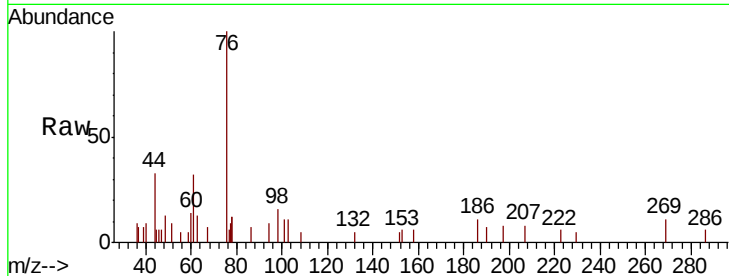




#17
Carbon Disulfide
Concen: 67.362 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.02 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

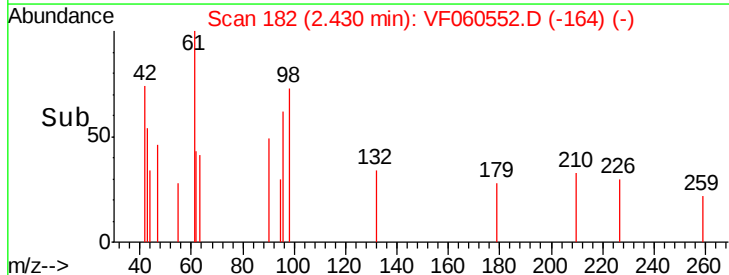
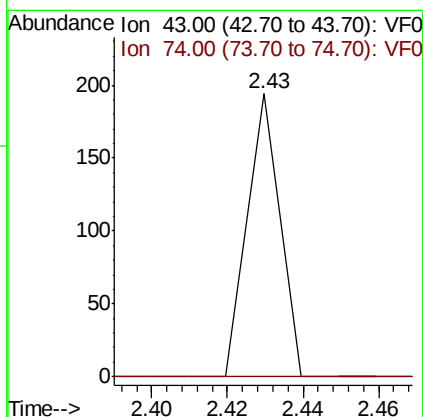
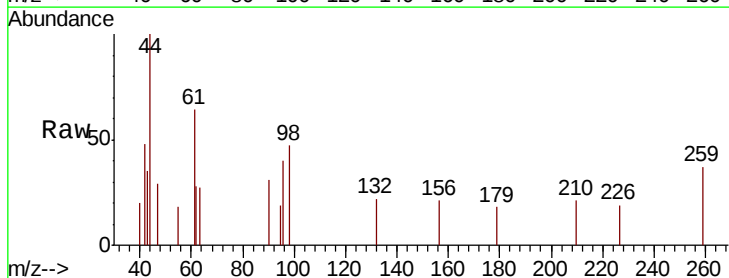
Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MS

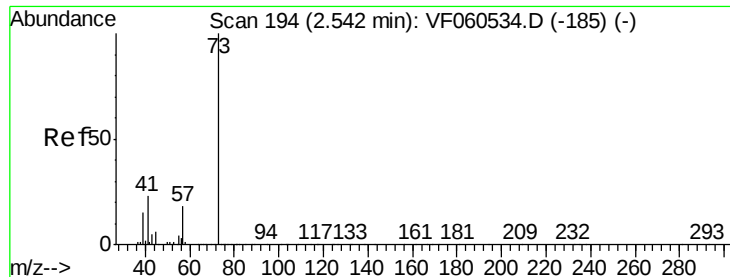
Tot Ion: 76 Resp: 4236
Ion Ratio Lower Upper
76 100
78 23.8 8.0 12.0#



#18
Methyl Acetate
Concen: 14.434 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

Tgt Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
74 0.0 13.5 20.3#



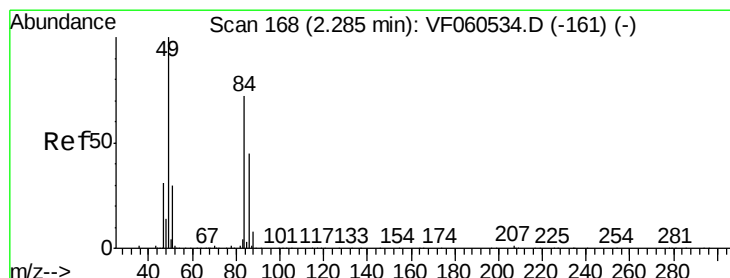
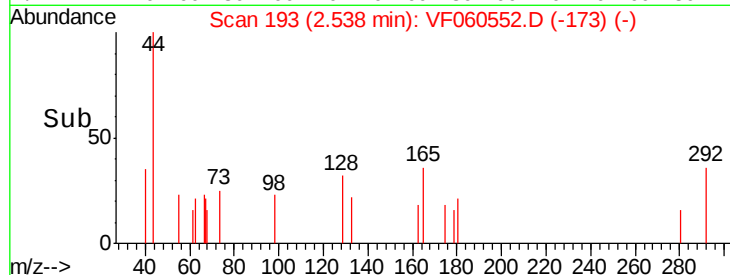
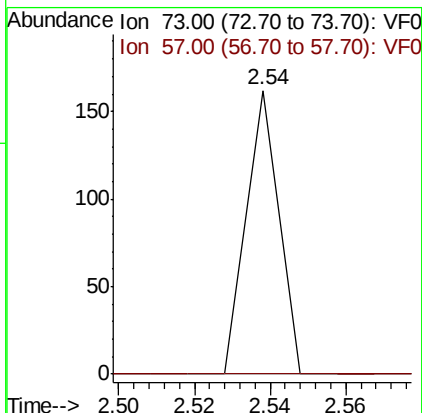
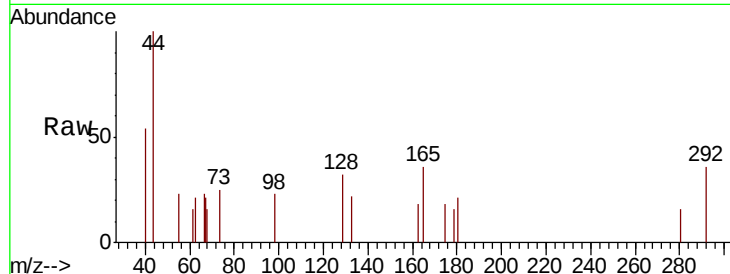


#19

Methyl tert-butyl Ether
 Concen: 1.915 ug/l
 RT: 2.54 min Scan# 193
 Delta R.T. -0.00 min
 Lab File: VF060552.D
 Acq: 30 Oct 2018 18:43

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MS

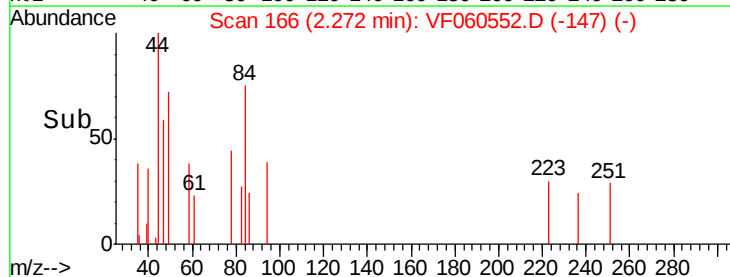
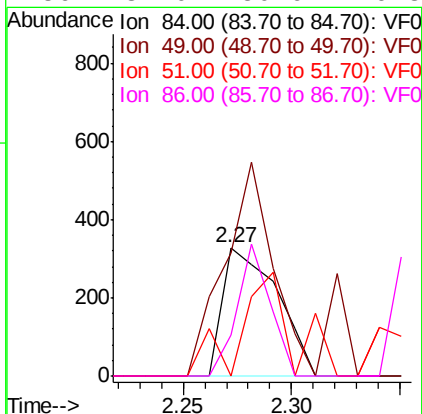
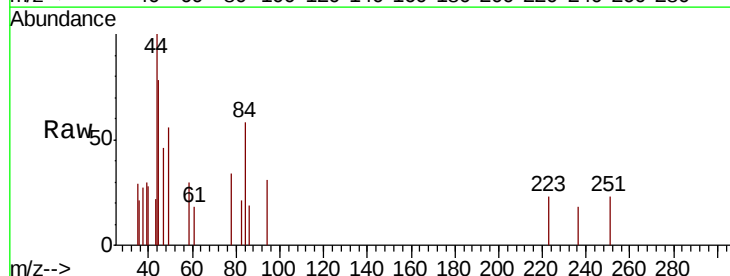
Tot Ion: 73 Resp: 96
 Ion Ratio Lower Upper
 73 100
 57 0.0 14.7 22.1#

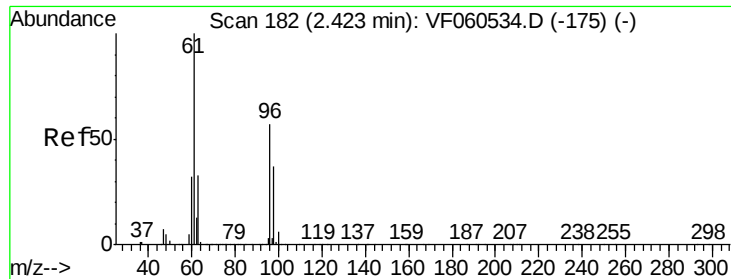


#20

Methylene Chloride
 Concen: 28.103 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VF060552.D
 Acq: 30 Oct 2018 18:43

Tgt Ion: 84 Resp: 578
 Ion Ratio Lower Upper
 84 100
 49 96.0 115.4 173.0#
 51 0.0 35.4 53.2#
 86 32.0 50.9 76.3#





#21

trans-1,2-Dichloroethene

Concen: 50.558 ug/l

RT: 2.41 min Scan# 180

Delta R.T. -0.01 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MS

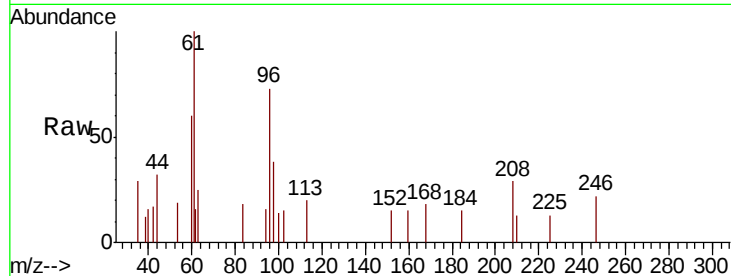
Tot Ion: 96 Resp: 1157

Ion Ratio Lower Upper

96 100

61 136.6 139.8 209.6#

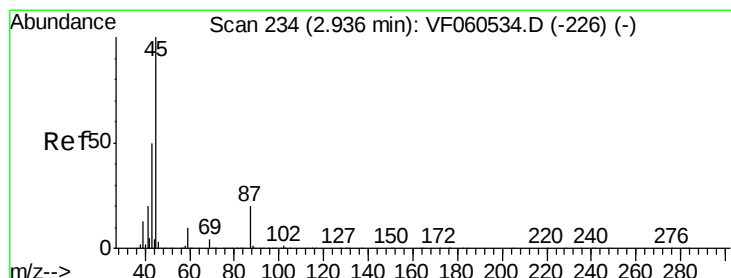
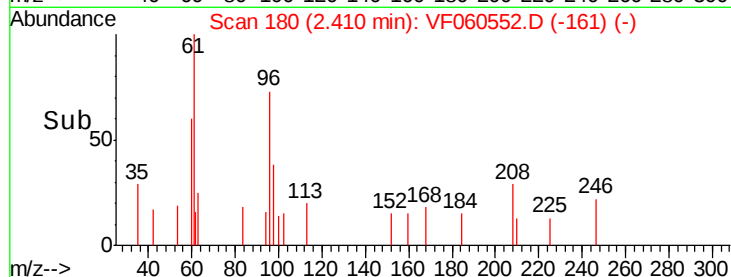
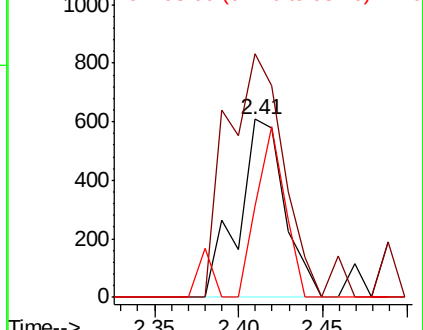
98 51.6 52.2 78.4#



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: 1.253 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Tgt Ion: 45 Resp: 81

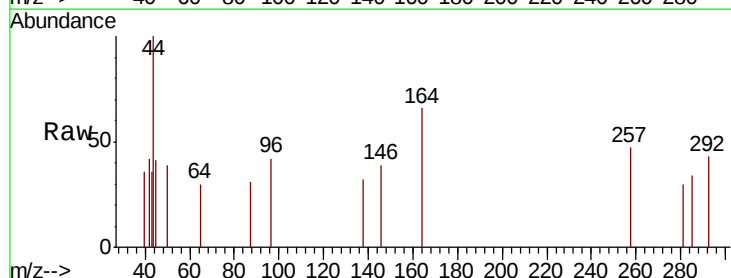
Ion Ratio Lower Upper

45 100

43 89.1 40.6 60.8#

87 77.4 15.9 23.9#

59 0.0 8.0 12.0#

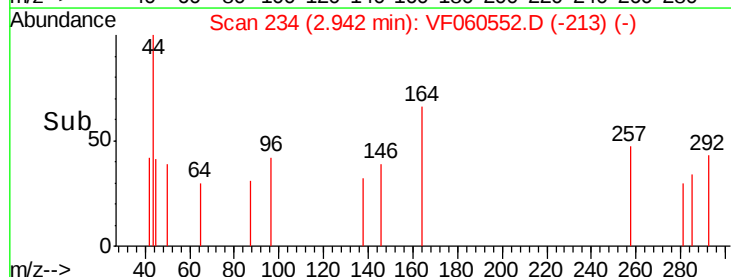
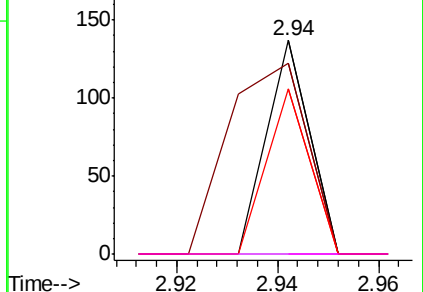


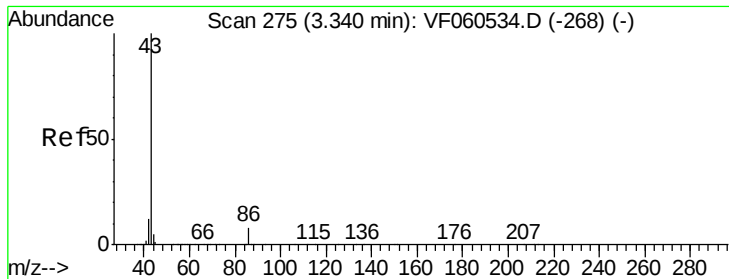
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 3.004 ug/l

RT: 3.33 min Scan# 273

Delta R.T. -0.01 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

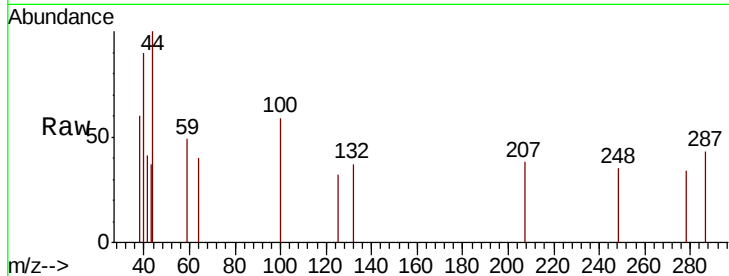
DL-SED-01MS

Tot Ion: 43 Resp: 72

Ion Ratio Lower Upper

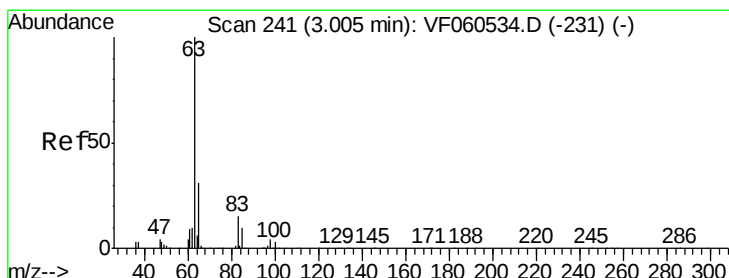
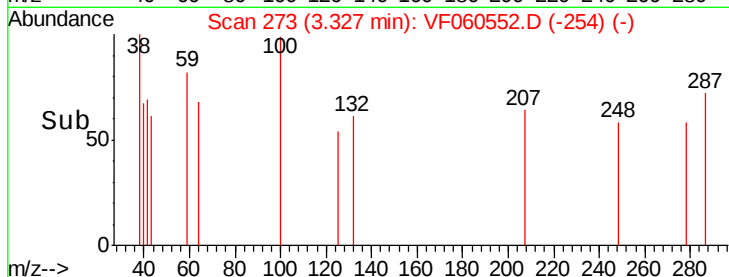
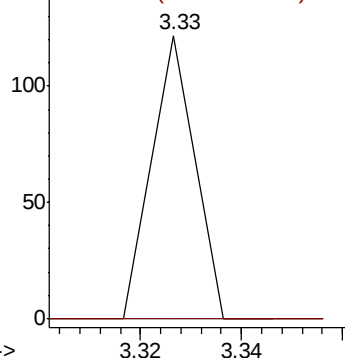
43 100

86 0.0 6.2 9.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 52.152 ug/l

RT: 3.00 min Scan# 240

Delta R.T. -0.00 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

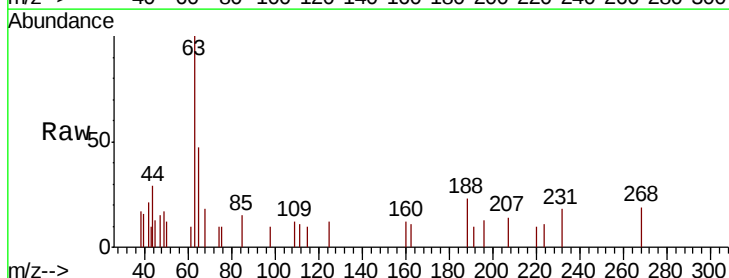
Tgt Ion: 63 Resp: 2432

Ion Ratio Lower Upper

63 100

98 9.7 2.0 6.0#

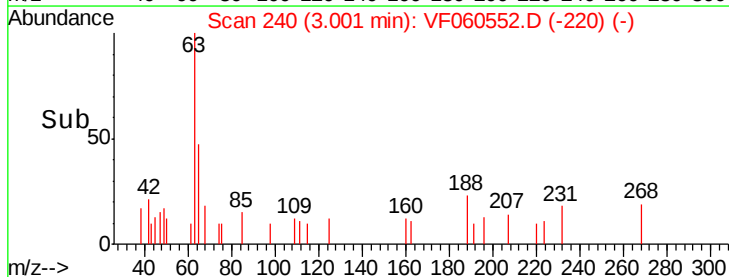
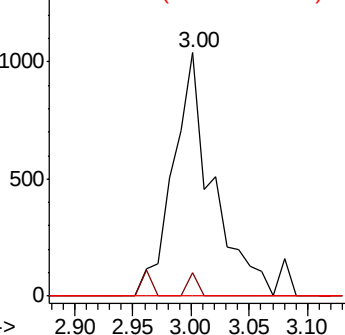
100 0.0 1.4 4.0#

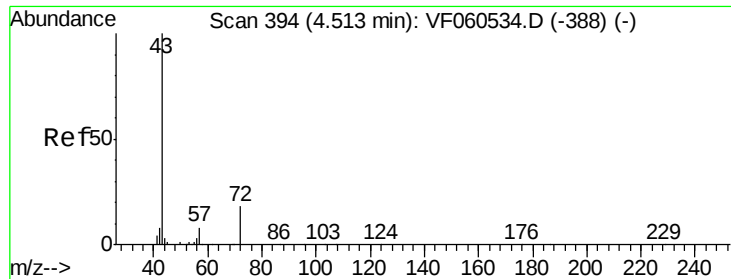


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: Below Cal

RT: 4.49 min Scan# 391

Delta R.T. -0.02 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

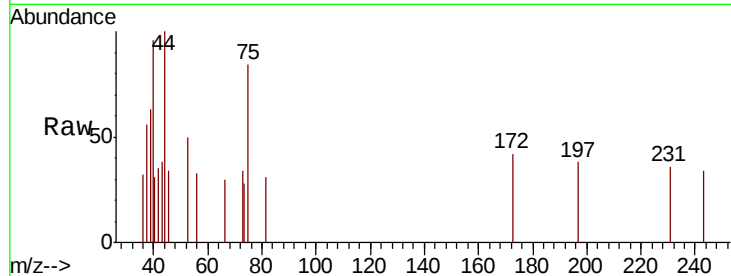
DL-SED-01MS

Tot Ion: 43 Resp: 85

Ion Ratio Lower Upper

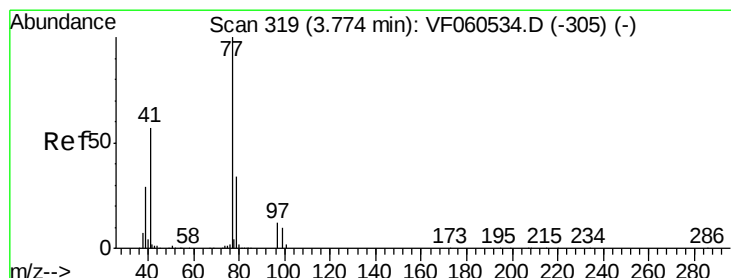
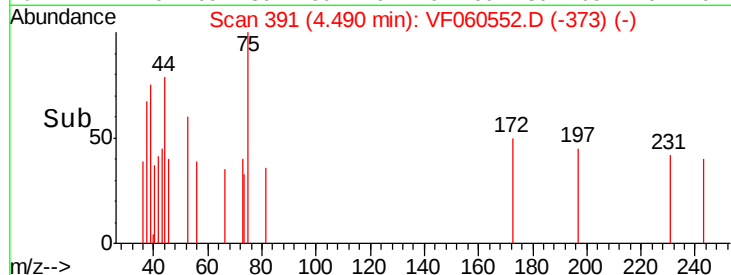
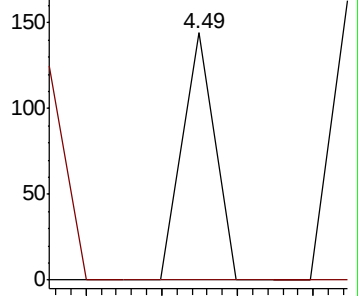
43 100

72 88.9 17.4 26.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 72.463 ug/l

RT: 3.77 min Scan# 318

Delta R.T. -0.00 min

Lab File: VF060552.D

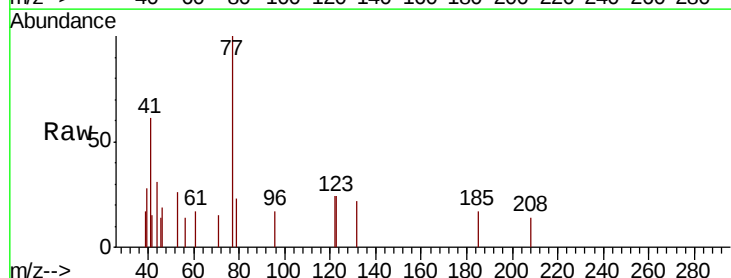
Acq: 30 Oct 2018 18:43

Tgt Ion: 77 Resp: 2100

Ion Ratio Lower Upper

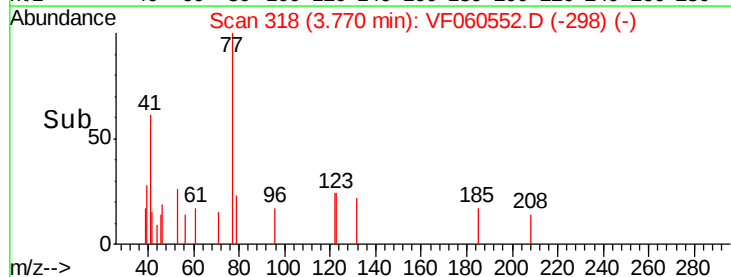
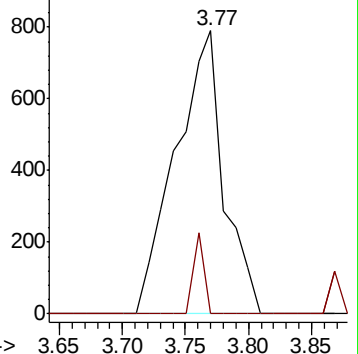
77 100

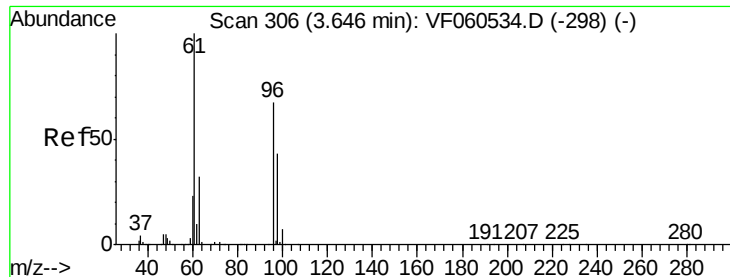
97 0.0 8.5 25.5#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



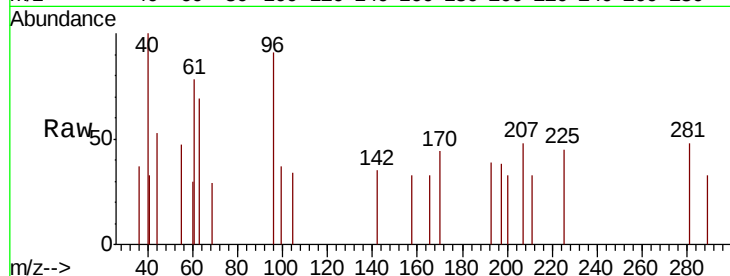


#27

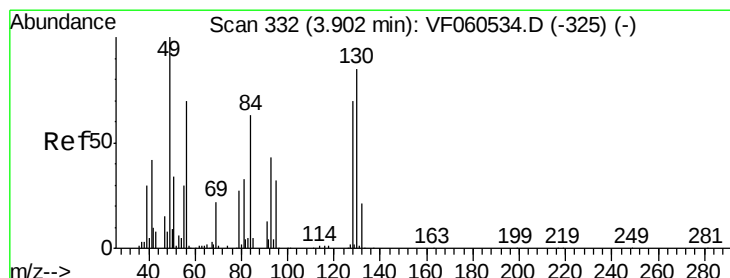
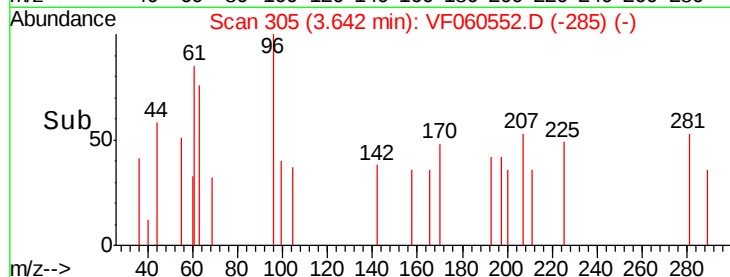
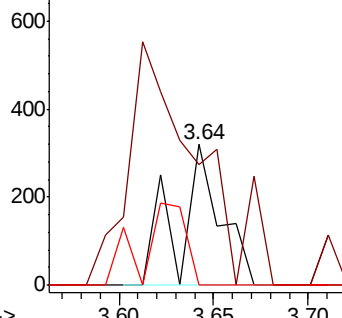
cis-1,2-Dichloroethene
Concen: 18.084 ug/l
RT: 3.64 min Scan# 305
Delta R.T. -0.00 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MS

Tot Ion: 96 Resp: 499
Ion Ratio Lower Upper
96 100
61 85.3 0.0 300.8
98 0.0 0.0 128.4



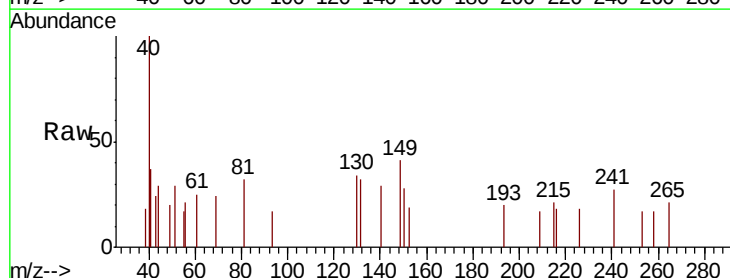
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



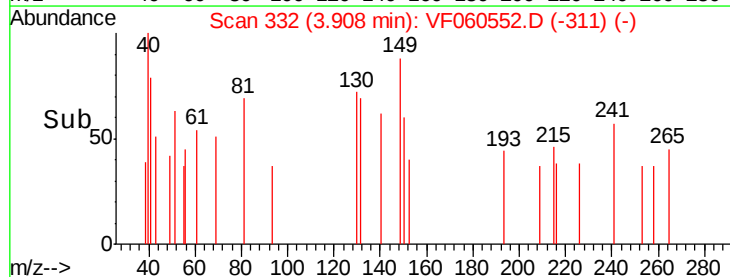
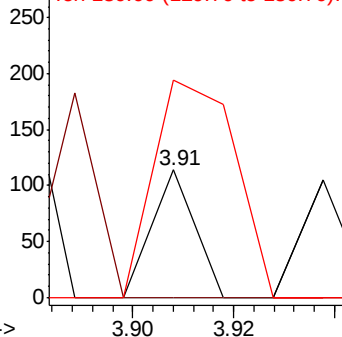
#28

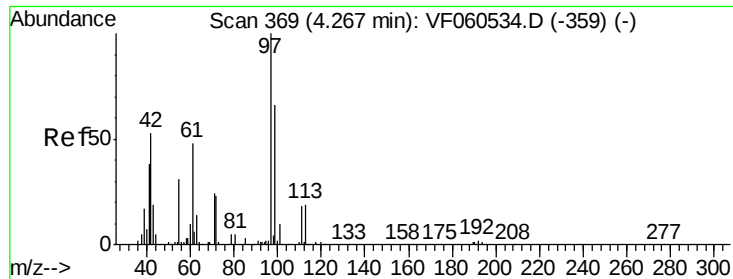
Bromochloromethane
Concen: 3.989 ug/l
RT: 3.91 min Scan# 332
Delta R.T. 0.01 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

Tgt Ion: 49 Resp: 67
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 170.2 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

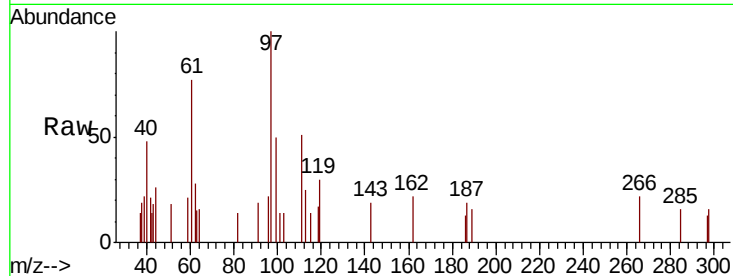




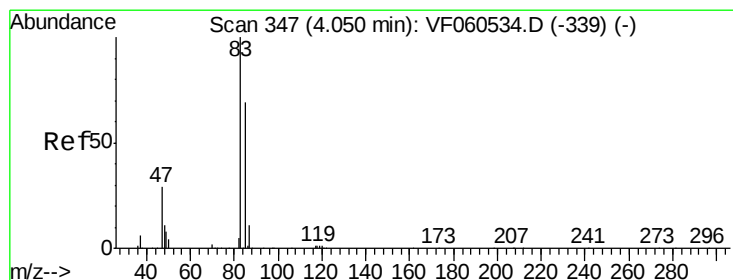
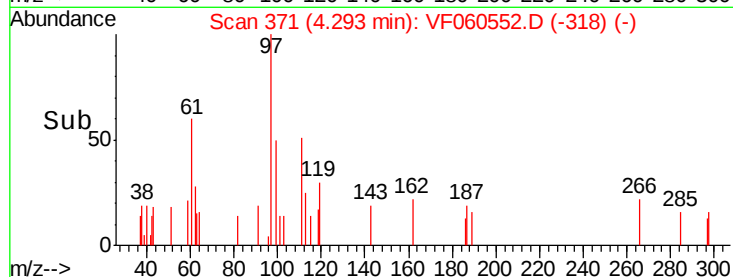
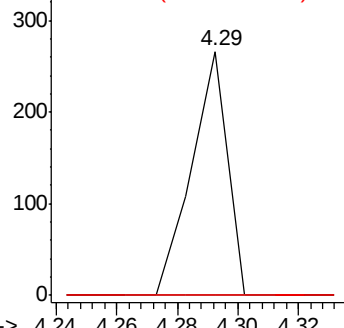
#29
Tetrahydrofuran
Concen: 76.545 ug/l
RT: 4.29 min Scan# 371
Delta R.T. 0.03 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MS

Tot Ion: 42 Resp: 221
Ion Ratio Lower Upper
42 100
72 0.0 32.5 48.7#
71 0.0 34.5 51.7#

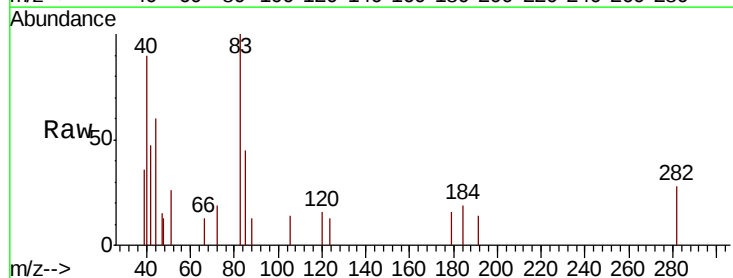


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

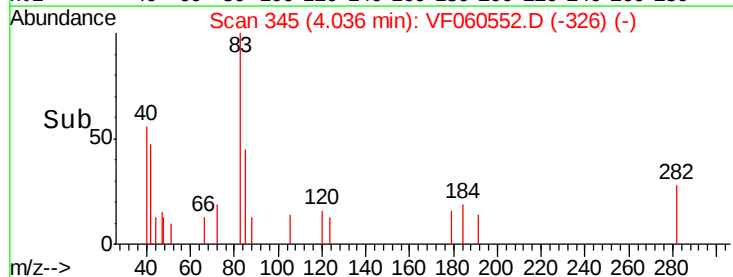
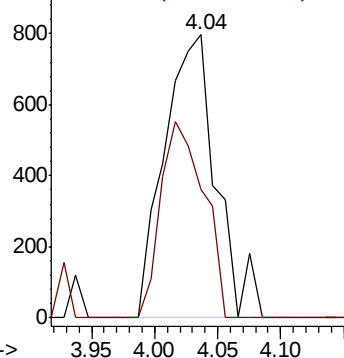


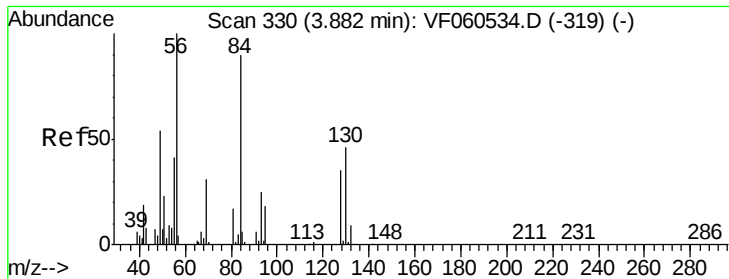
#30
Chloroform
Concen: 38.527 ug/l
RT: 4.04 min Scan# 345
Delta R.T. -0.01 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

Tgt Ion: 83 Resp: 2269
Ion Ratio Lower Upper
83 100
85 45.4 55.0 82.4#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 61.658 ug/l

RT: 3.88 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MS

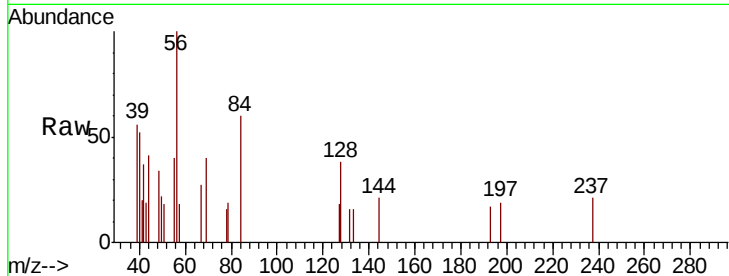
Tot Ion: 56 Resp: 2053

Ion Ratio Lower Upper

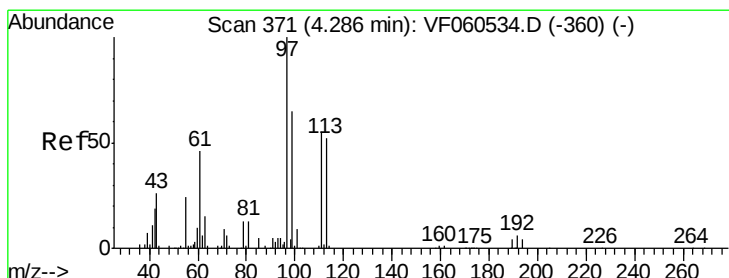
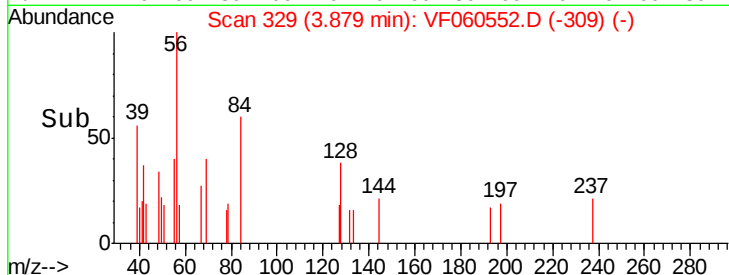
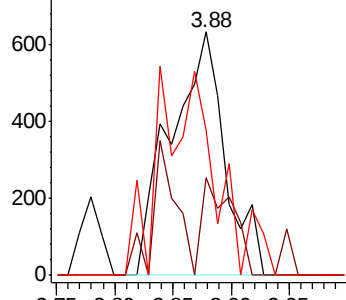
56 100

69 40.1 25.0 37.6#

84 59.6 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: 74.759 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

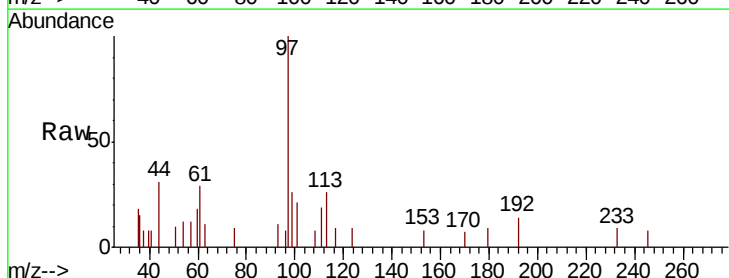
Tgt Ion: 97 Resp: 3640

Ion Ratio Lower Upper

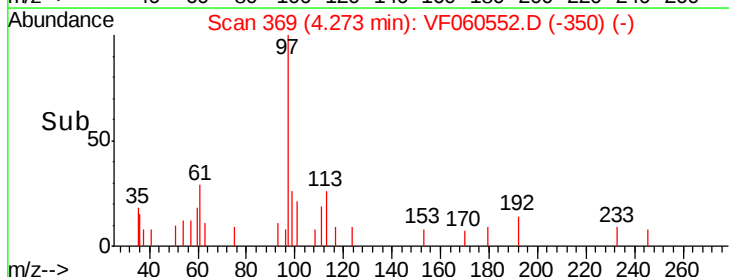
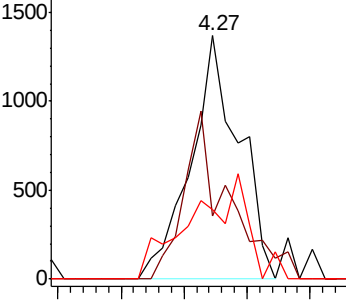
97 100

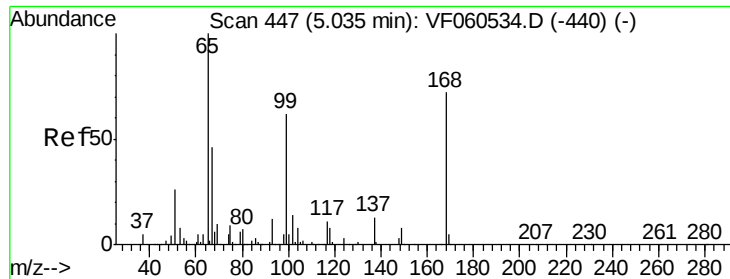
99 25.8 51.7 77.5#

61 28.6 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: 17.421 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.02 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampled :

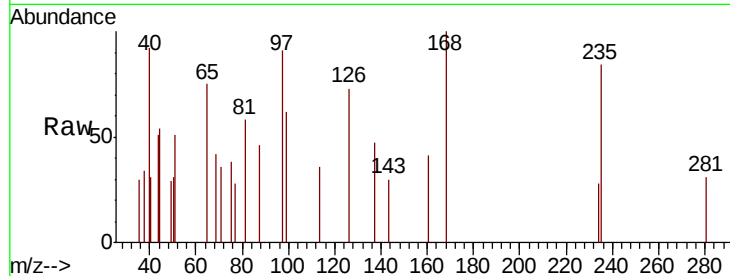
DL-SED-01MS

Tot Ion: 65 Resp: 535

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

5.01

250

200

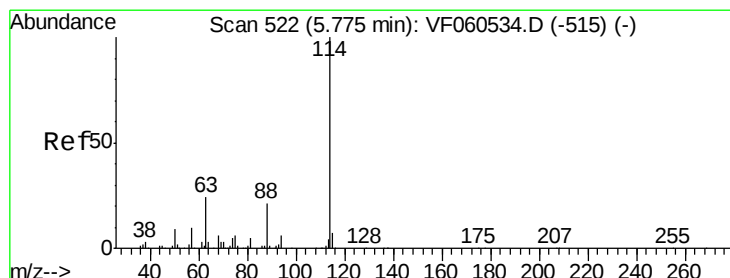
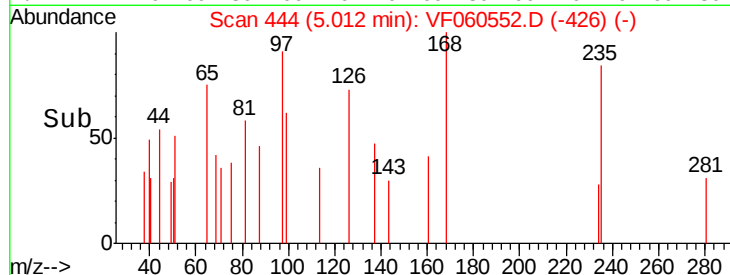
150

100

50

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 520

Delta R.T. -0.01 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

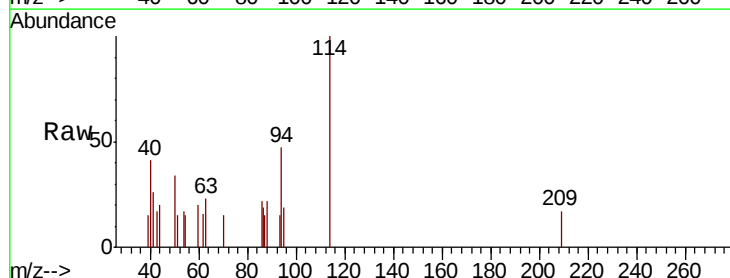
Tgt Ion:114 Resp: 2222

Ion Ratio Lower Upper

114 100

63 22.8 0.0 48.0

88 21.6 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

800

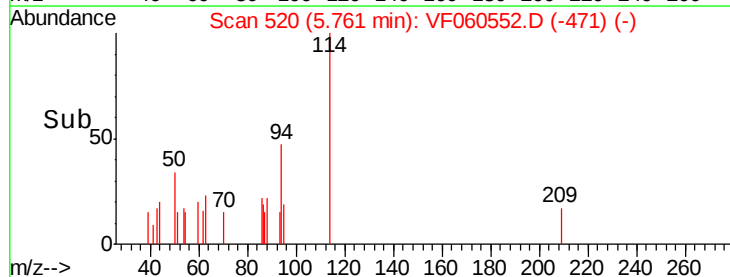
600

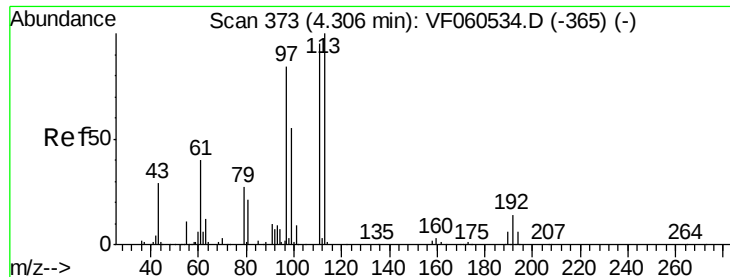
400

200

0

Time-->





#35

Dibromofluoromethane

Concen: 47.370 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.03 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MS

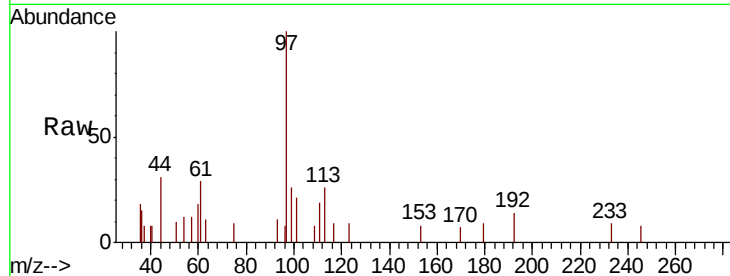
Tot Ion:113 Resp: 1010

Ion Ratio Lower Upper

113 100

111 70.0 75.9 113.9#

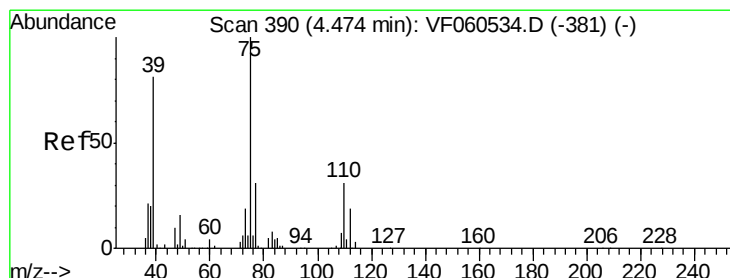
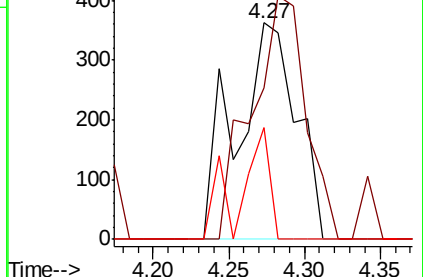
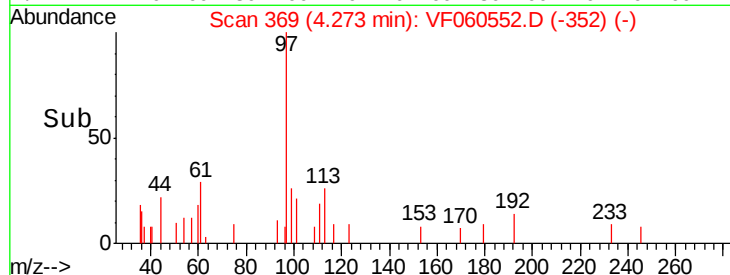
192 51.8 11.2 16.8#



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: 82.210 ug/l

RT: 4.45 min Scan# 387

Delta R.T. -0.02 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

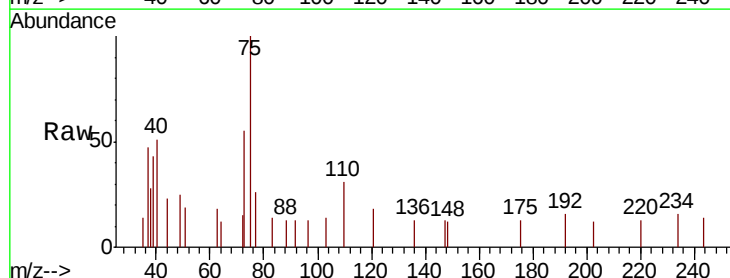
Tgt Ion: 75 Resp: 2276

Ion Ratio Lower Upper

75 100

110 31.2 15.3 45.8

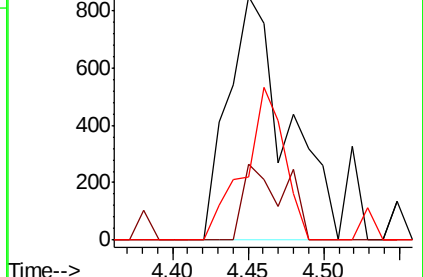
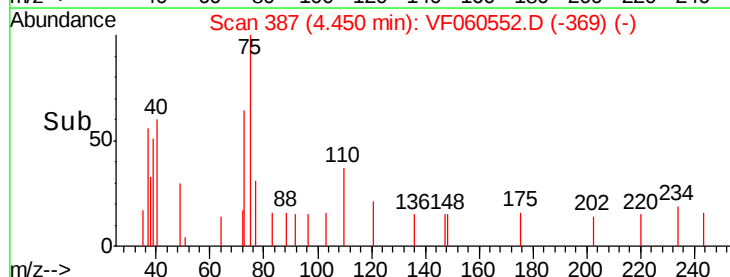
77 26.0 24.8 37.2

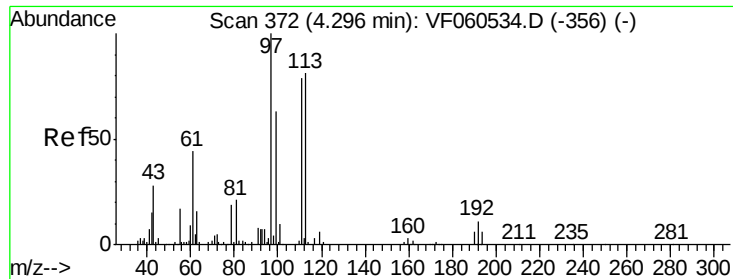


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

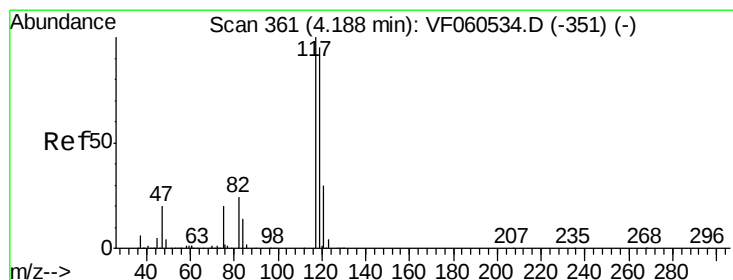
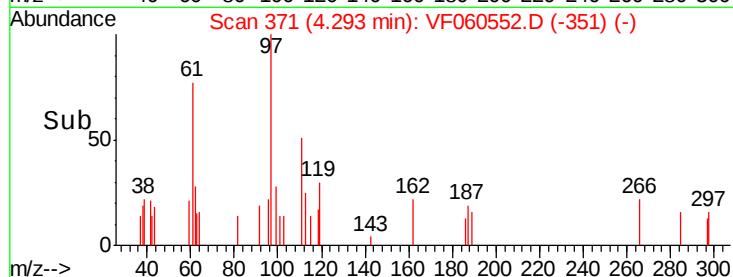
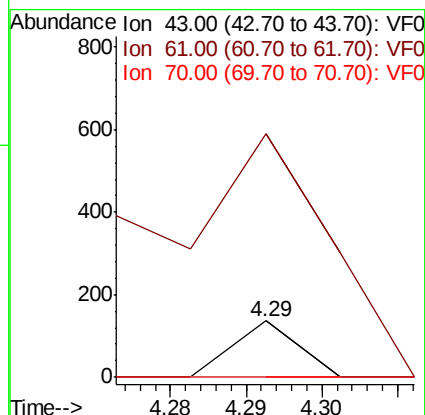
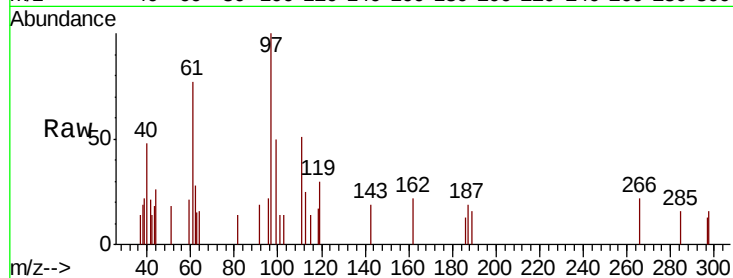




#37
Ethyl Acetate
Concen: 8.926 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.00 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

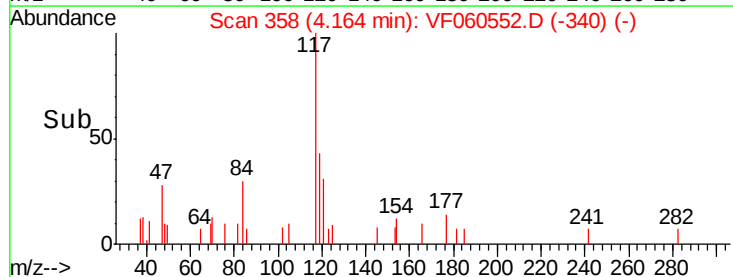
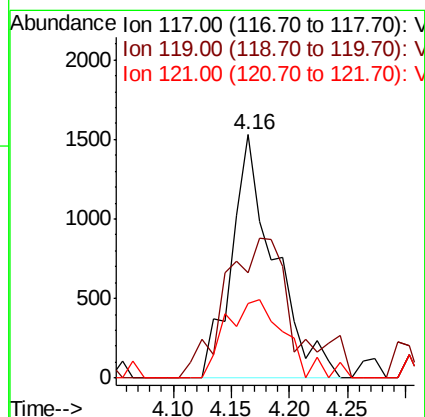
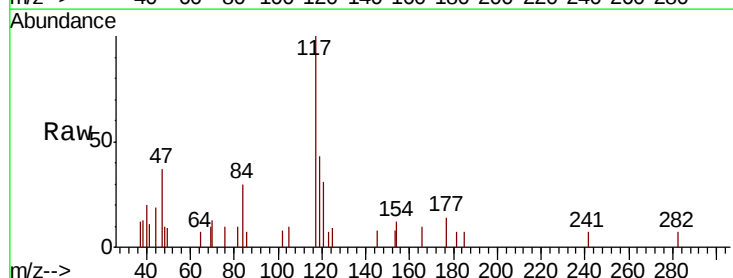
Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MS

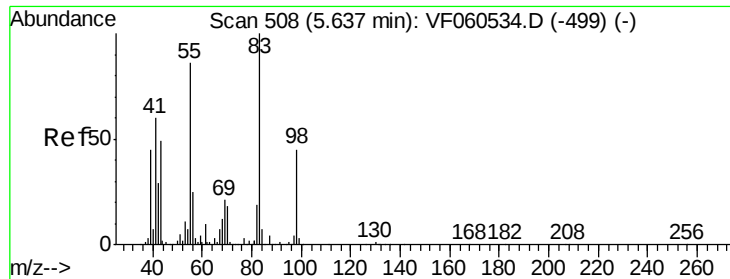
Tot Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
61 433.8 123.9 185.9#
70 0.0 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 117.897 ug/l
RT: 4.16 min Scan# 358
Delta R.T. -0.02 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

Tgt Ion: 117 Resp: 3908
Ion Ratio Lower Upper
117 100
119 43.1 76.5 114.7#
121 30.7 24.3 36.5

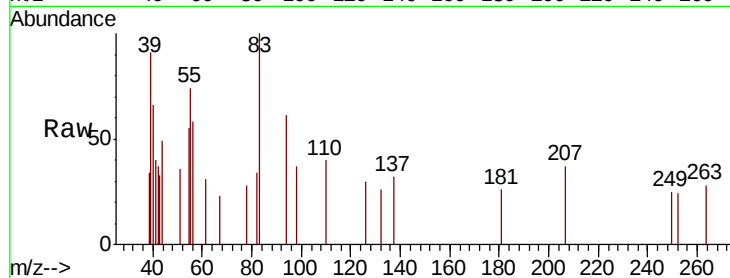




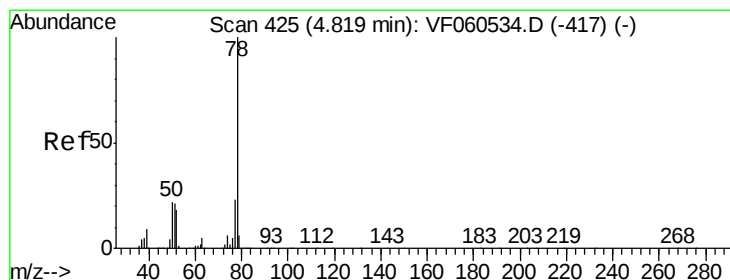
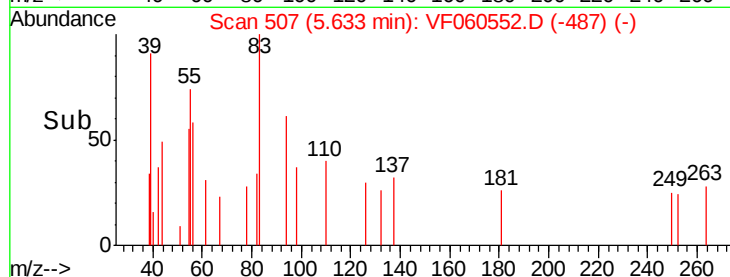
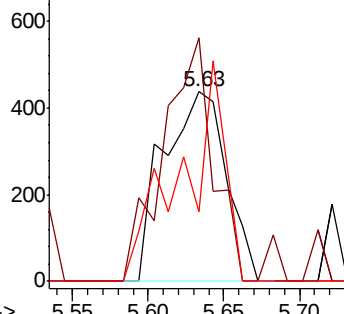
#39
Methvlcvclohexane
Concen: 45.568 ug/l
RT: 5.63 min Scan# 507
Delta R.T. -0.00 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MS

Tot Ion: 83 Resp: 1274
Ion Ratio Lower Upper
83 100
55 128.3 69.0 103.4#
98 36.8 36.1 54.1

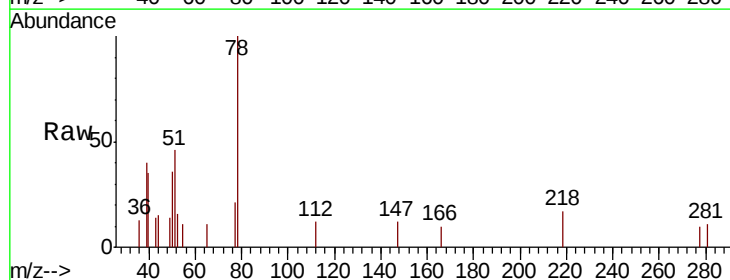


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

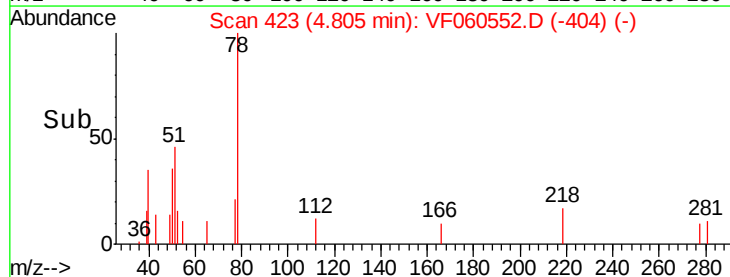
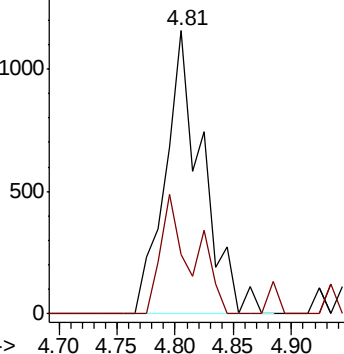


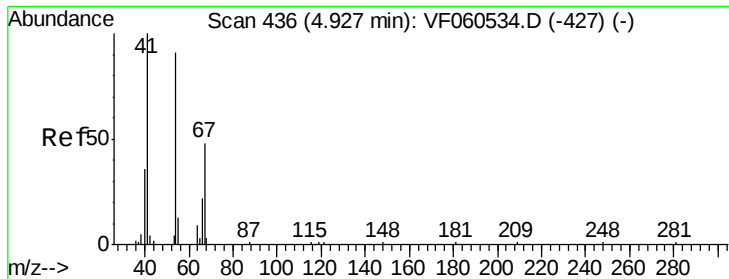
#40
Benzene
Concen: 46.531 ug/l
RT: 4.81 min Scan# 423
Delta R.T. -0.01 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

Tgt Ion: 78 Resp: 2555
Ion Ratio Lower Upper
78 100
77 20.8 18.5 27.7



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 89.007 ug/l

RT: 4.93 min Scan# 436

Delta R.T. 0.01 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MS

Tot Ion: 41 Resp: 456

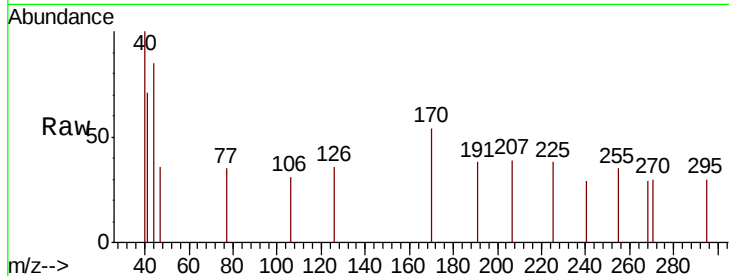
Ion Ratio Lower Upper

41 100

39 0.0 51.0 76.6#

67 0.0 38.0 57.0#

52 0.0 40.6 61.0#

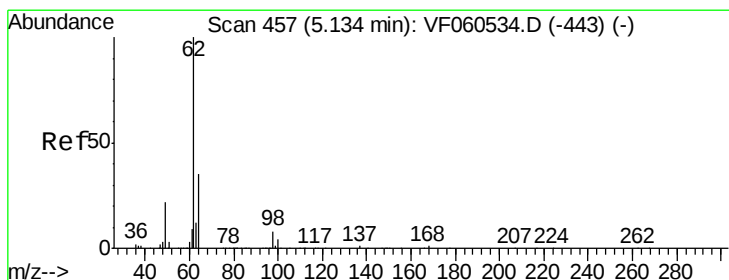
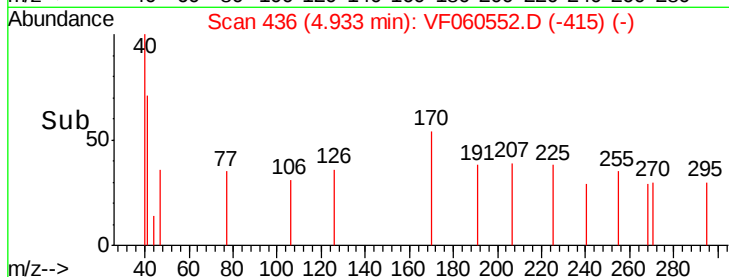
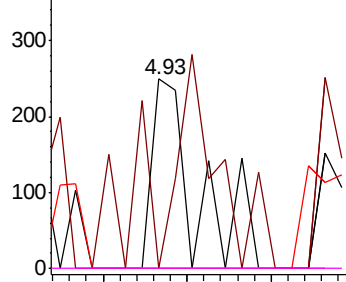


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#42

1,2-Dichloroethane

Concen: 18.748 ug/l

RT: 5.11 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF060552.D

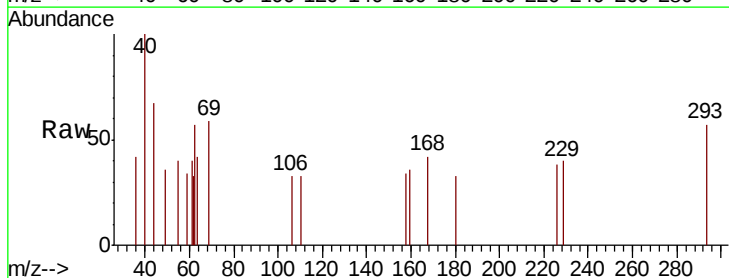
Acq: 30 Oct 2018 18:43

Tgt Ion: 62 Resp: 478

Ion Ratio Lower Upper

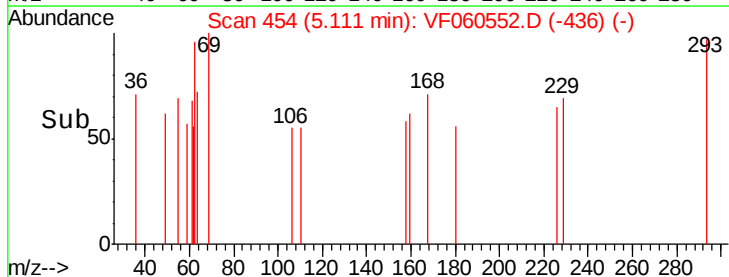
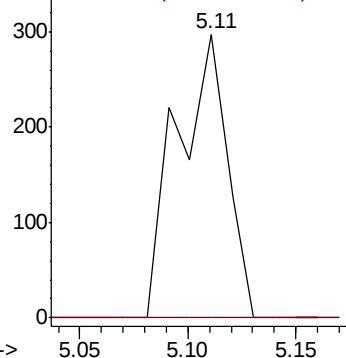
62 100

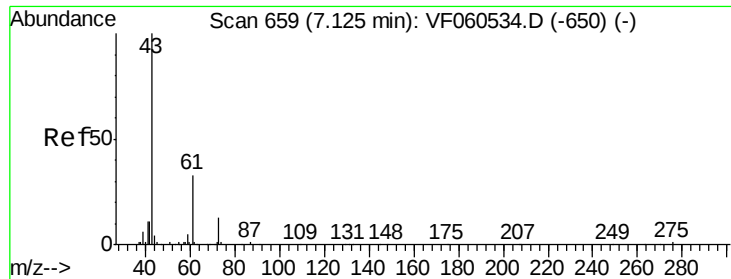
98 0.0 0.0 15.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



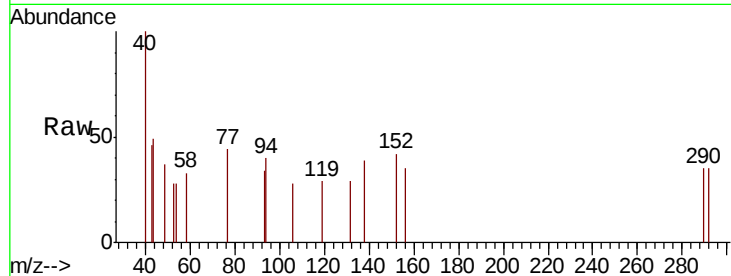


#43

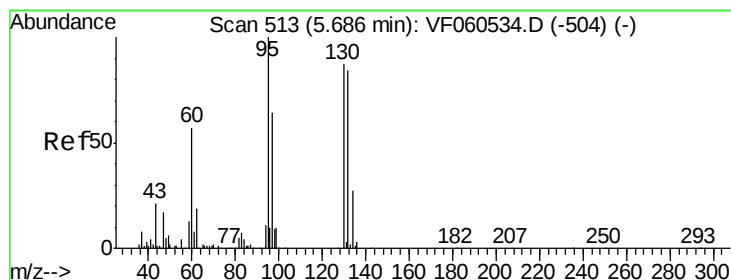
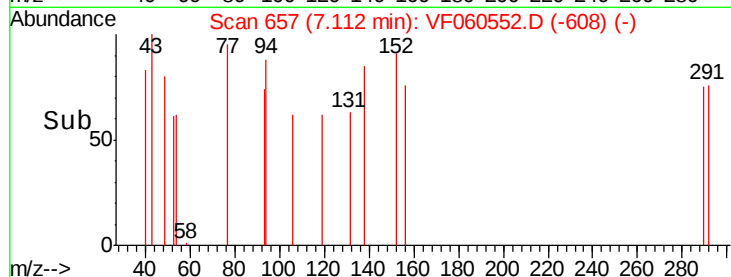
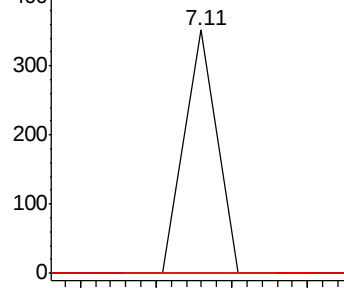
Isopropyl Acetate
 Concen: 19.173 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VF060552.D
 Acq: 30 Oct 2018 18:43

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MS

Tot Ion: 43 Resp: 208
 Ion Ratio Lower Upper
 43 100
 61 0.0 26.6 40.0#
 87 0.0 0.6 1.0#



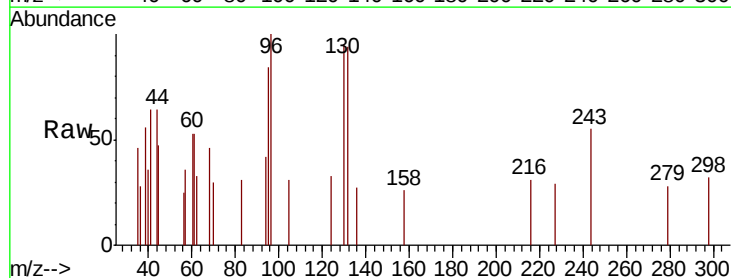
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



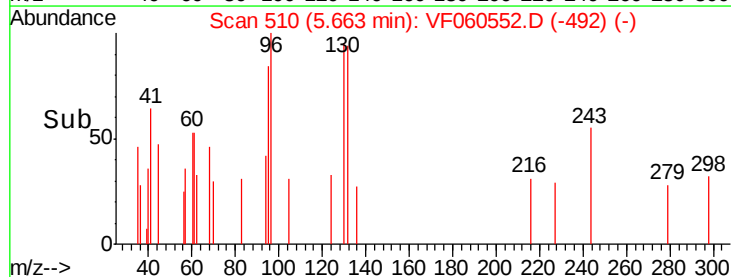
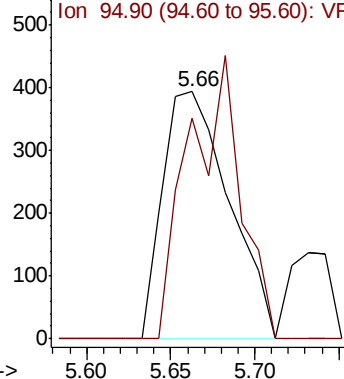
#44

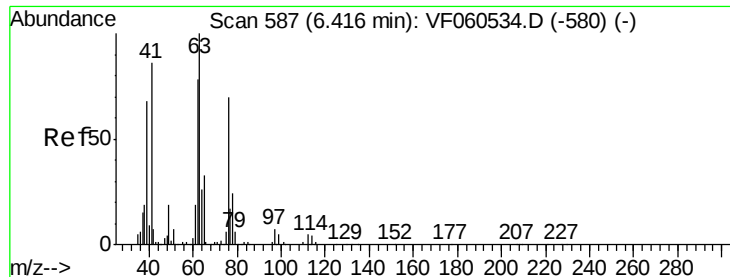
Trichloroethene
 Concen: 60.677 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. -0.02 min
 Lab File: VF060552.D
 Acq: 30 Oct 2018 18:43

Tgt Ion: 130 Resp: 1077
 Ion Ratio Lower Upper
 130 100
 95 89.1 0.0 229.4



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0

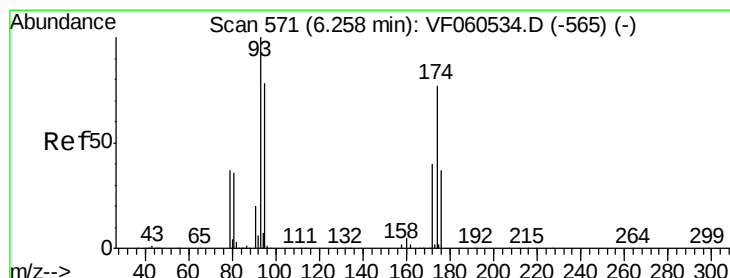
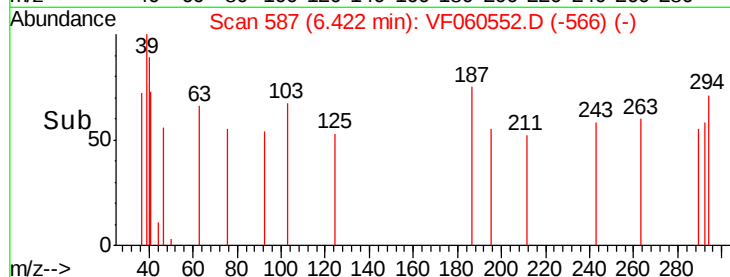
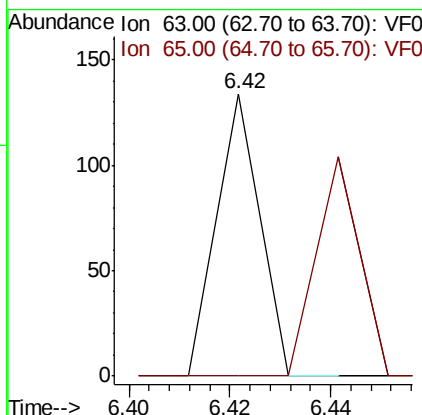
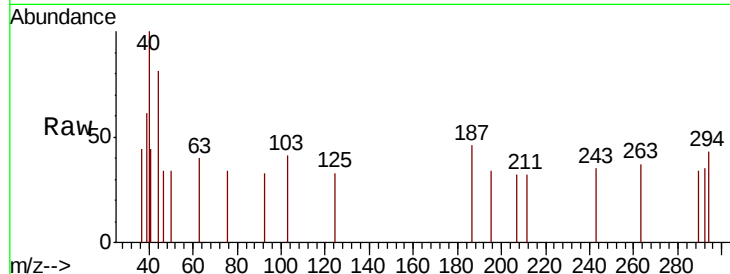




#45
 1,2-Dichloropropane
 Concen: 5.765 ug/l
 RT: 6.42 min Scan# 587
 Delta R.T. 0.01 min
 Lab File: VF060552.D
 Acq: 30 Oct 2018 18:43

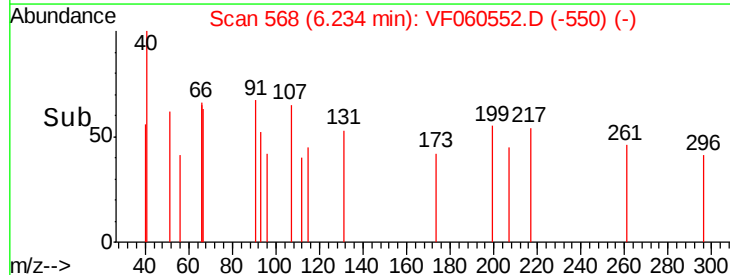
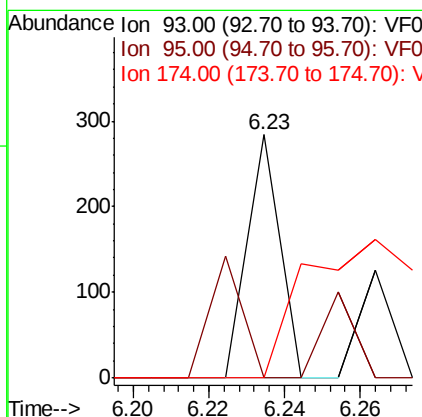
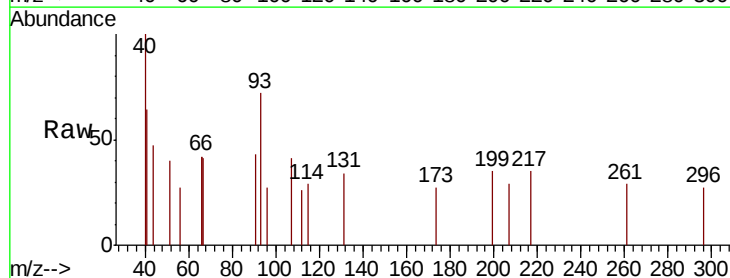
Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MS

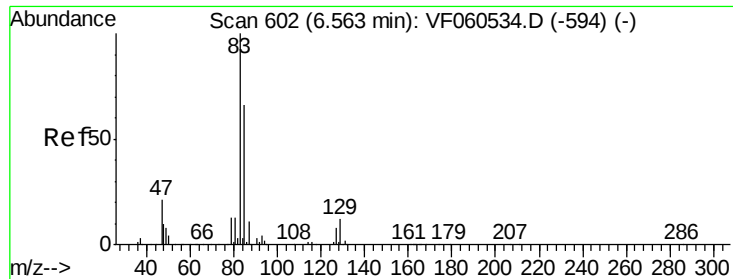
Tot Ion: 63 Resp: 79
 Ion Ratio Lower Upper
 63 100
 65 0.0 26.5 39.7#



#46
 Dibromomethane
 Concen: 15.613 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. -0.02 min
 Lab File: VF060552.D
 Acq: 30 Oct 2018 18:43

Tgt Ion: 93 Resp: 168
 Ion Ratio Lower Upper
 93 100
 95 0.0 64.3 96.5#
 174 0.0 63.3 94.9#





#47

Bromodichloromethane

Concen: 9.308 ug/l

RT: 6.55 min Scan# 600

Delta R.T. -0.01 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MS

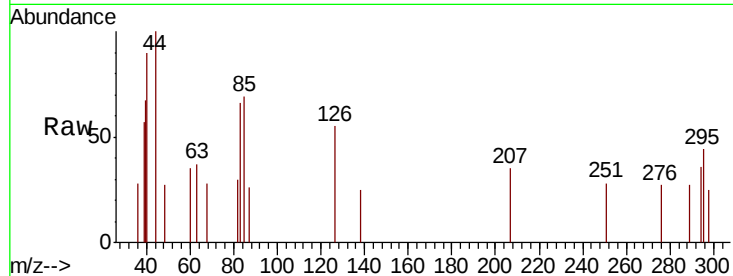
Tot Ion: 83 Resp: 257

Ion Ratio Lower Upper

83 100

85 104.2 52.7 79.1#

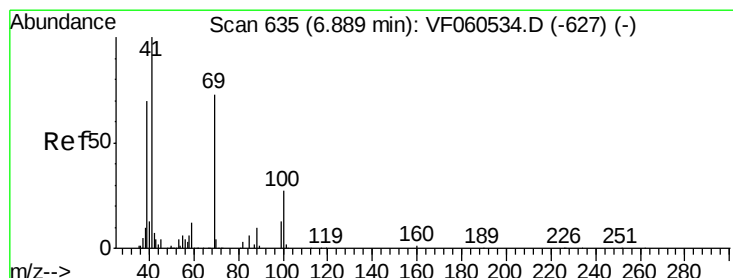
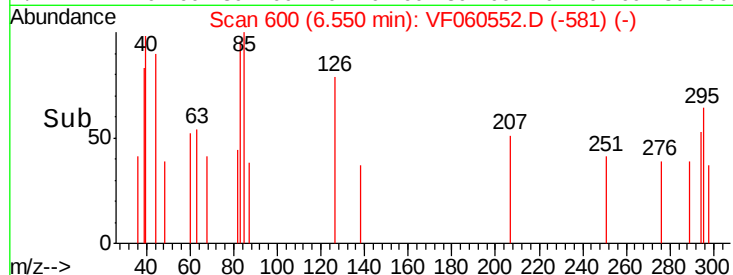
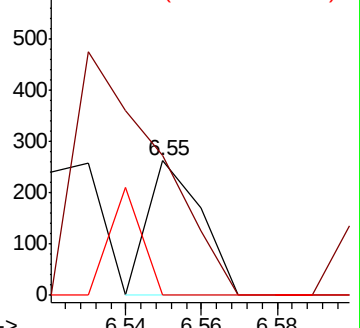
127 0.0 6.4 9.6#



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: 20.714 ug/l

RT: 6.87 min Scan# 632

Delta R.T. -0.02 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

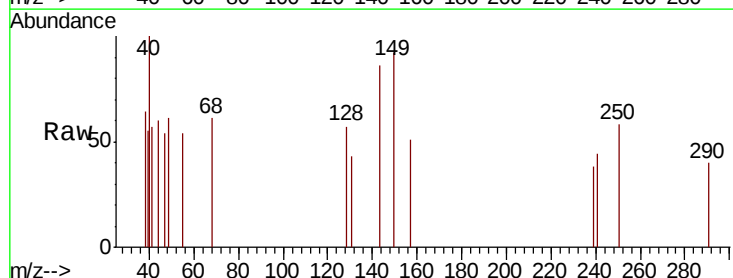
Tgt Ion: 41 Resp: 155

Ion Ratio Lower Upper

41 100

69 0.0 58.4 87.6#

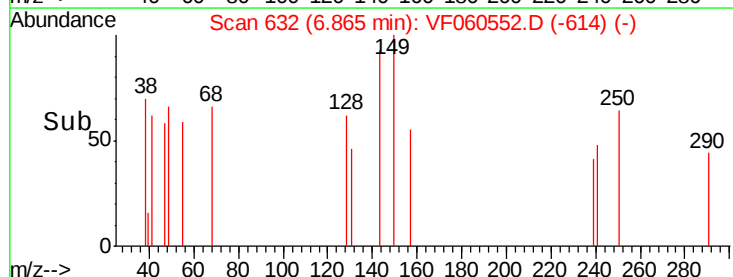
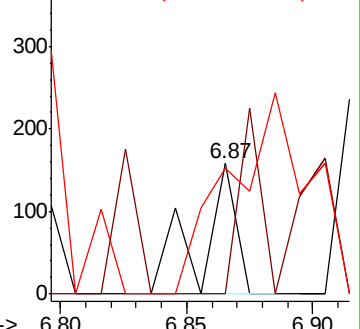
39 96.8 56.4 84.6#

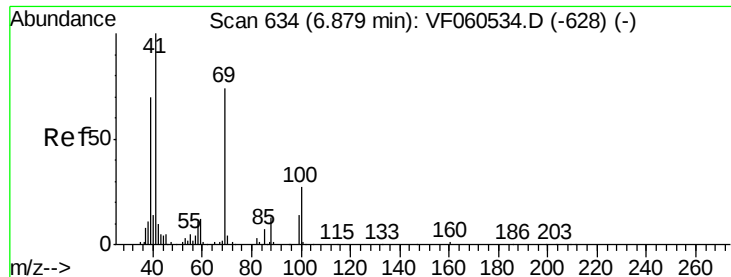


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1235.473 ug/l

RT: 6.65 min Scan# 610

Delta R.T. -0.23 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MS

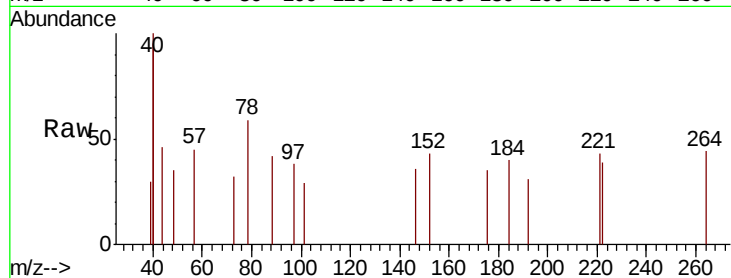
Tot Ion: 88 Resp: 86

Ion Ratio Lower Upper

88 100

43 0.0 49.7 74.5#

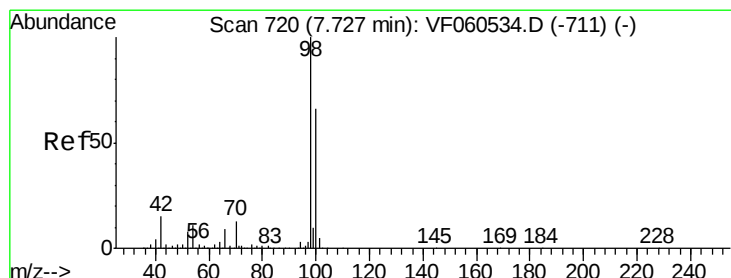
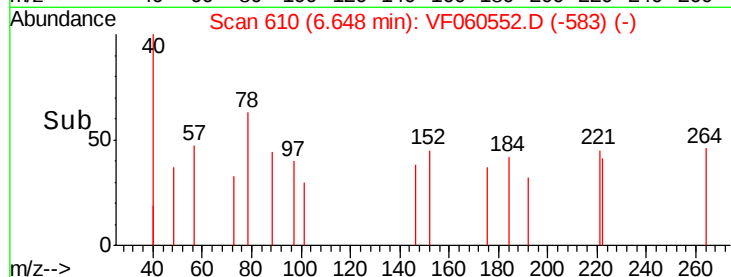
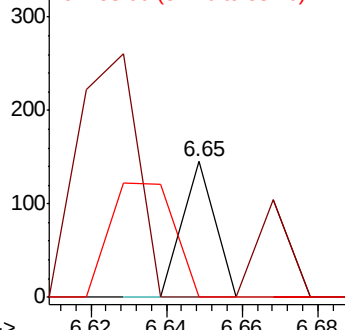
58 0.0 67.7 101.5#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 47.646 ug/l

RT: 7.69 min Scan# 716

Delta R.T. -0.03 min

Lab File: VF060552.D

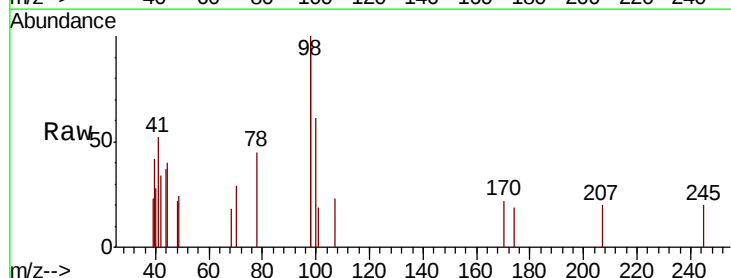
Acq: 30 Oct 2018 18:43

Tgt Ion: 98 Resp: 2481

Ion Ratio Lower Upper

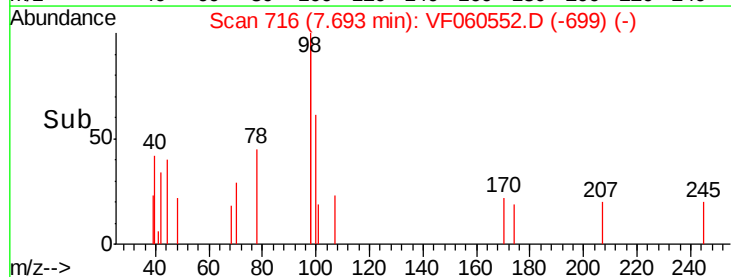
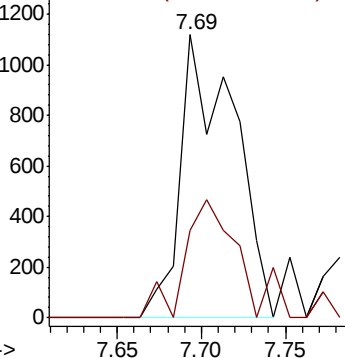
98 100

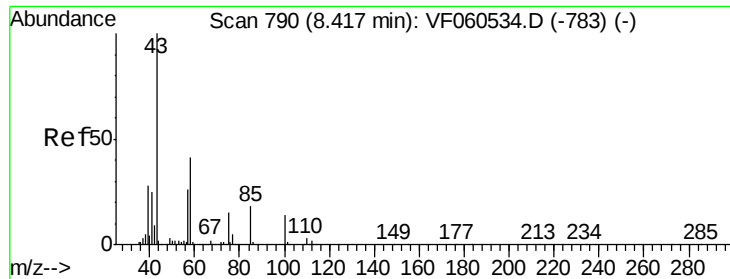
100 30.9 53.0 79.6#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 38.049 ug/l

RT: 8.37 min Scan# 785

Delta R.T. -0.04 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

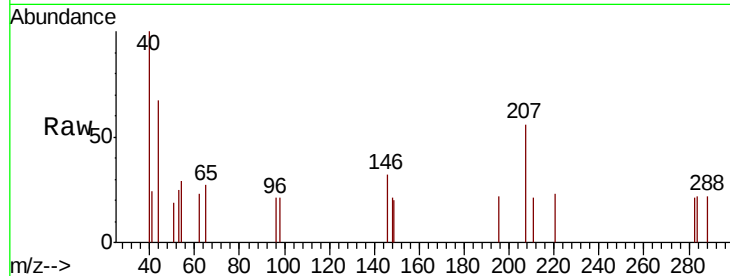
DL-SED-01MS

Tot Ion: 43 Resp: 299

Ion Ratio Lower Upper

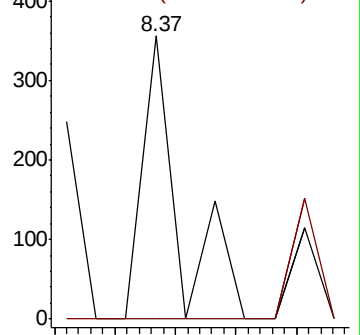
43 100

58 0.0 32.6 49.0#

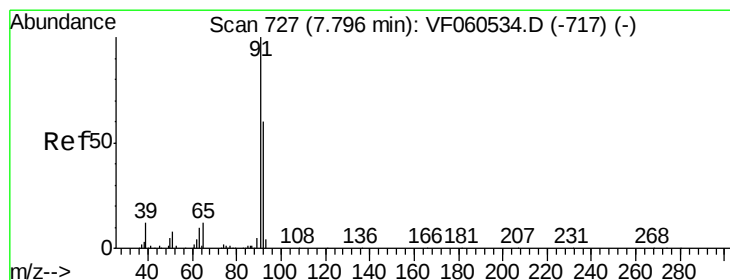
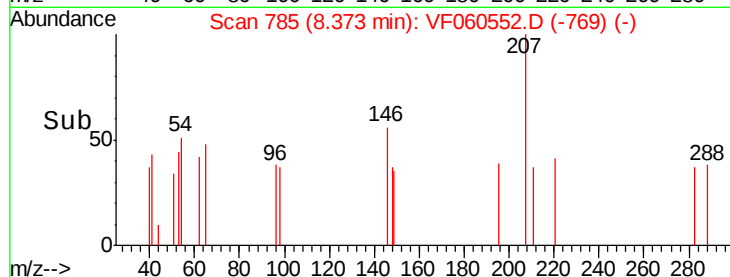


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time--> 8.34 8.36 8.38 8.40 8.42



#52

Toluene

Concen: 34.281 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.01 min

Lab File: VF060552.D

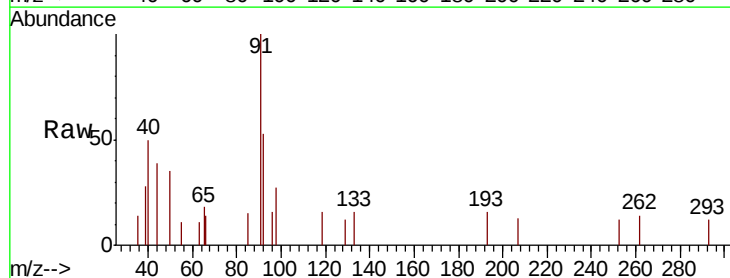
Acq: 30 Oct 2018 18:43

Tgt Ion: 92 Resp: 1222

Ion Ratio Lower Upper

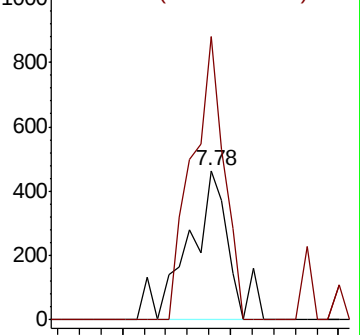
92 100

91 189.8 134.1 201.1

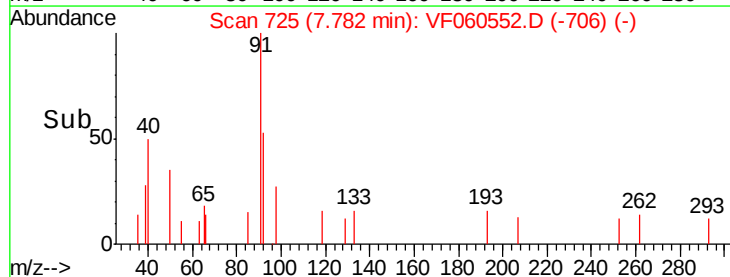


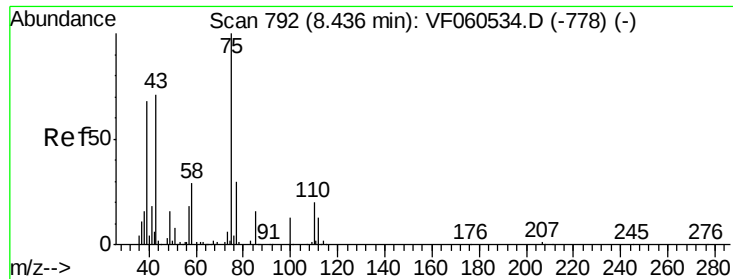
Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time--> 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 3.338 ug/l

RT: 8.42 min Scan# 790

Delta R.T. -0.01 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

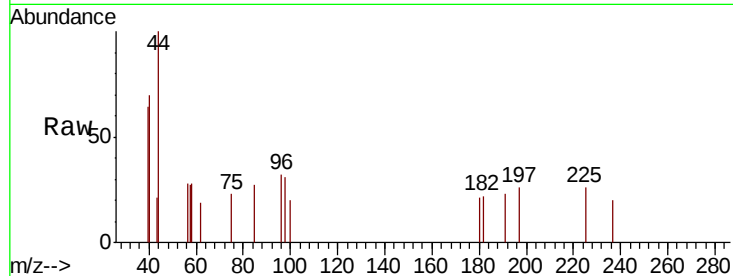
DL-SED-01MS

Tot Ion: 75 Resp: 72

Ion Ratio Lower Upper

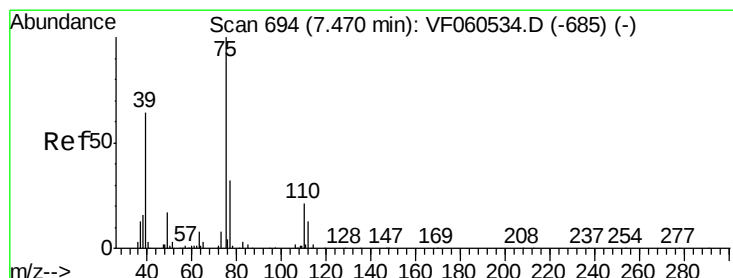
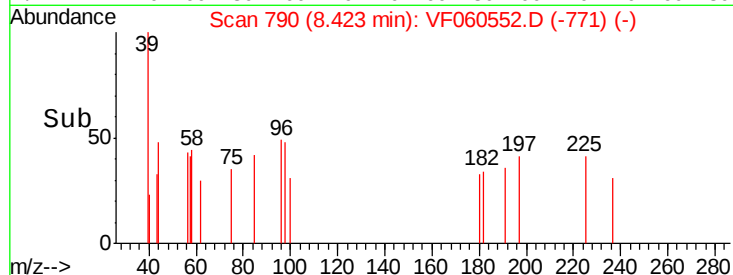
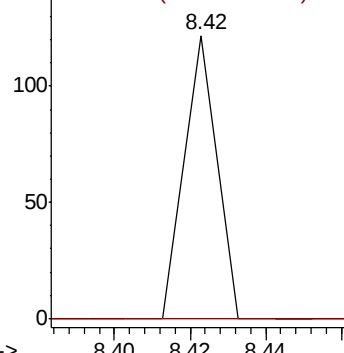
75 100

77 0.0 24.2 36.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 7.159 ug/l

RT: 7.46 min Scan# 692

Delta R.T. -0.01 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

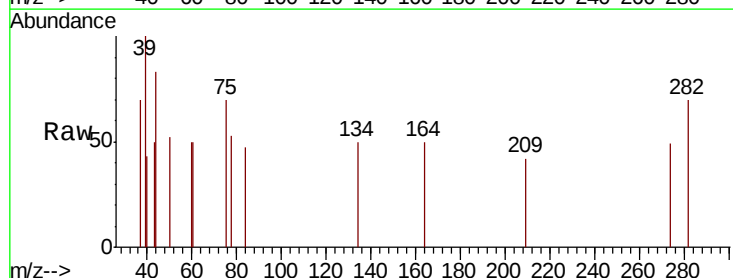
Tgt Ion: 75 Resp: 183

Ion Ratio Lower Upper

75 100

77 75.6 25.7 38.5#

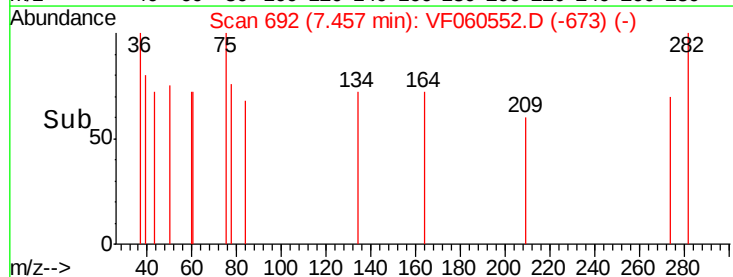
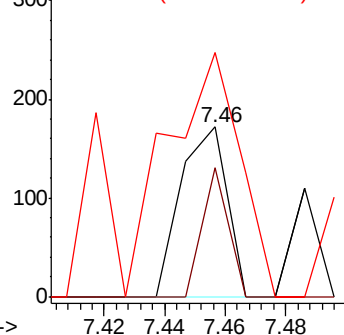
39 143.6 51.5 77.3#

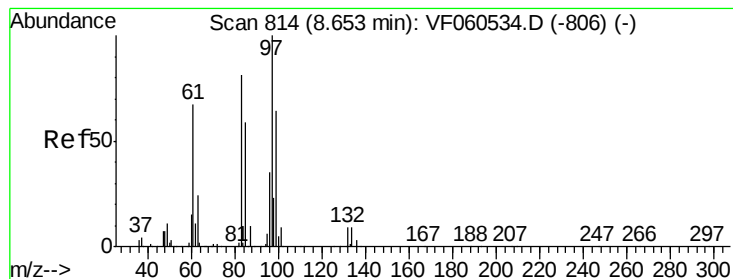


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 21.534 ug/l

RT: 8.64 min Scan# 812

Delta R.T. -0.01 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MS

Tot Ion: 97 Resp: 230

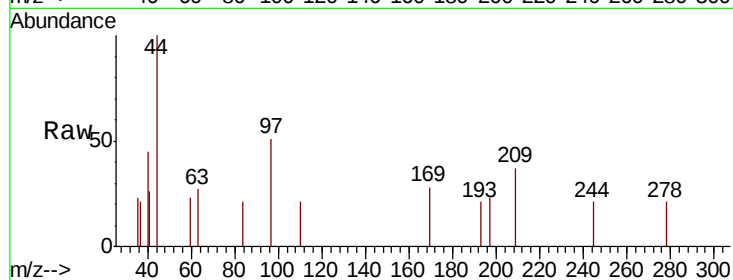
Ion Ratio Lower Upper

97 100

83 0.0 65.3 97.9#

85 0.0 47.6 71.4#

99 0.0 51.5 77.3#

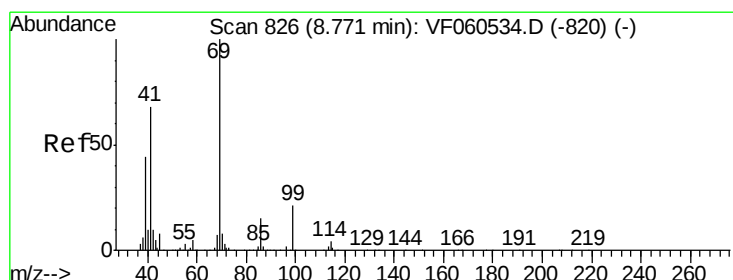
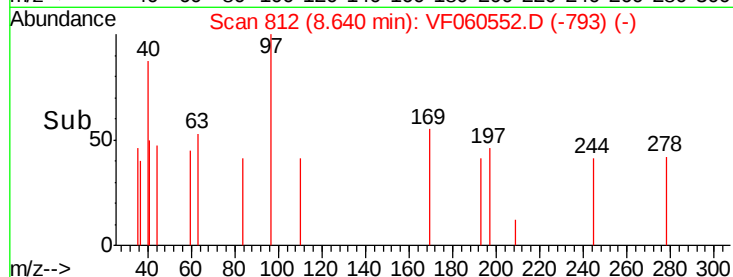
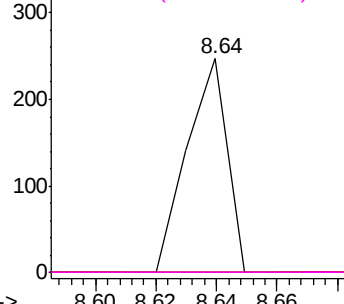


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 9.596 ug/l

RT: 8.77 min Scan# 825

Delta R.T. -0.00 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

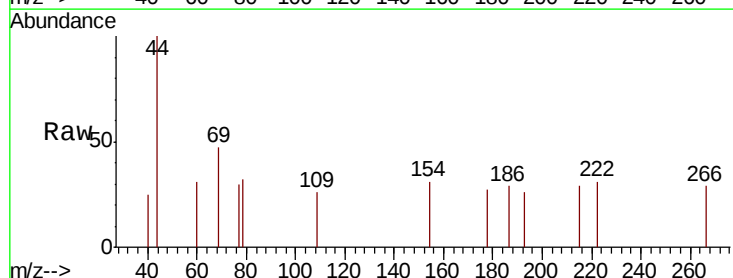
Tgt Ion: 69 Resp: 115

Ion Ratio Lower Upper

69 100

41 0.0 55.0 82.6#

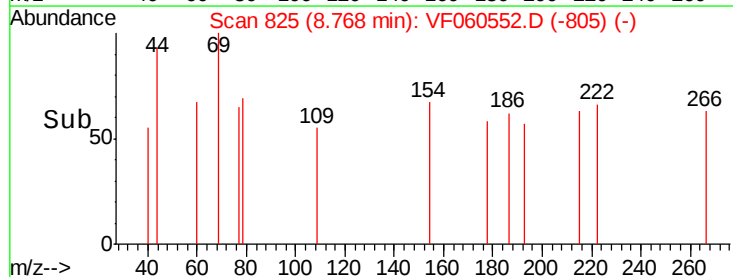
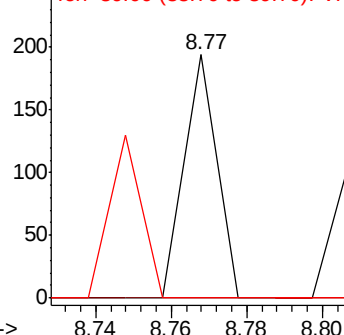
39 0.0 35.1 52.7#

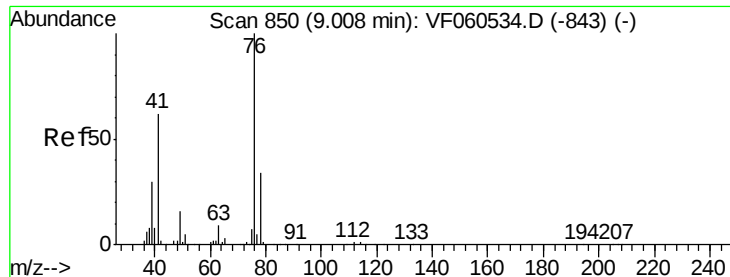


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 15.104 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

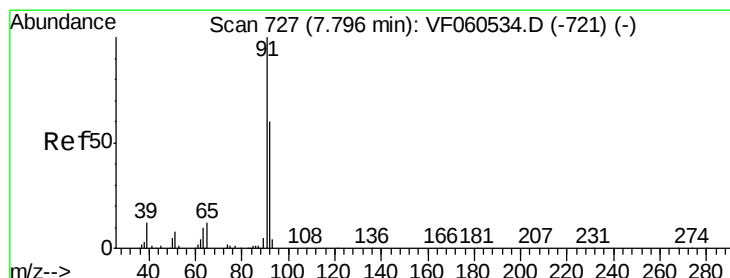
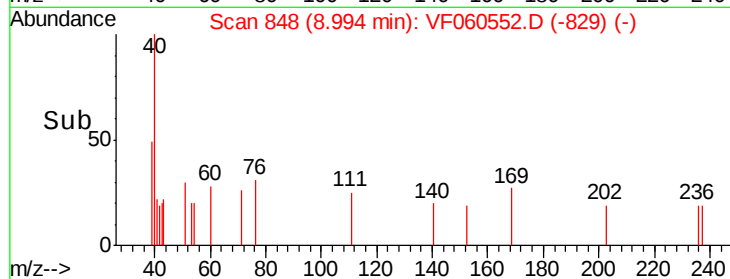
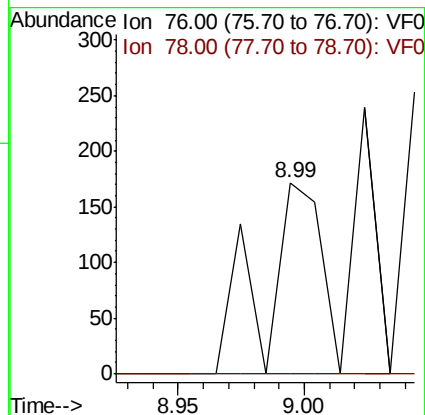
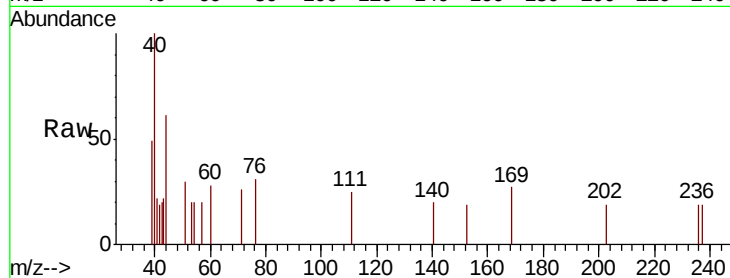
DL-SED-01MS

Tot Ion: 76 Resp: 273

Ion Ratio Lower Upper

76 100

78 0.0 27.3 40.9#



#58

2-Chloroethyl Vinyl ether

Concen: 115.774 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.03 min

Lab File: VF060552.D

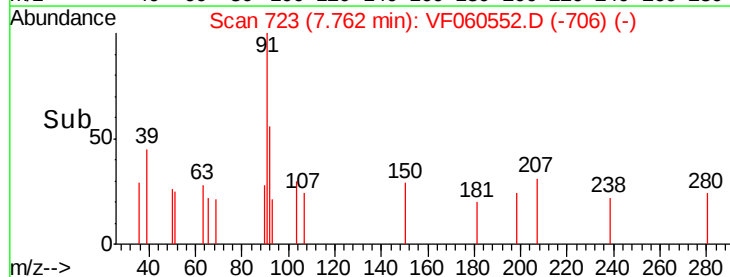
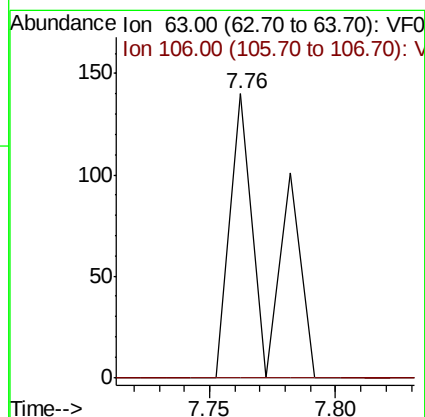
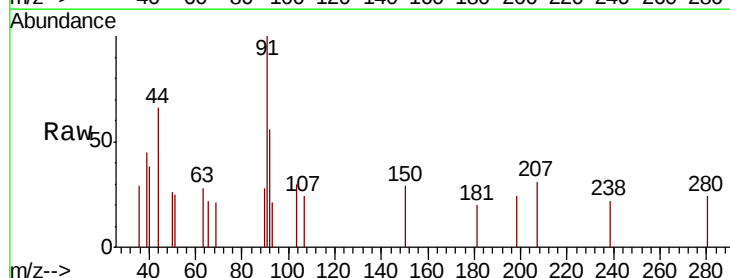
Acq: 30 Oct 2018 18:43

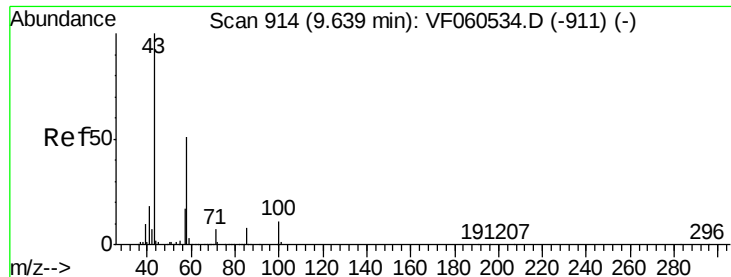
Tgt Ion: 63 Resp: 143

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

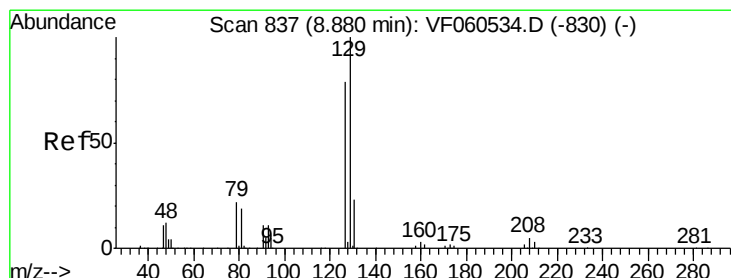
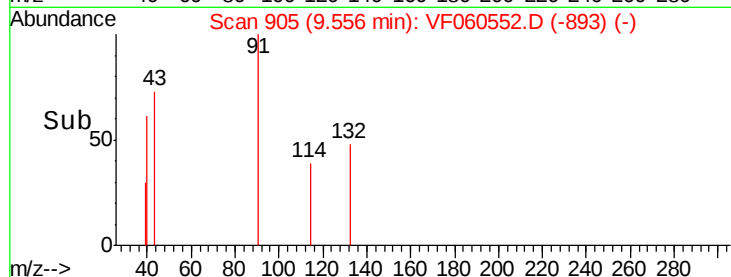
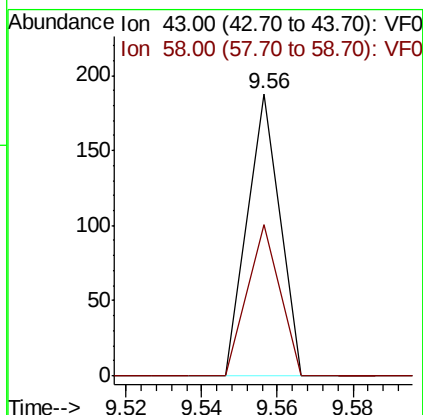
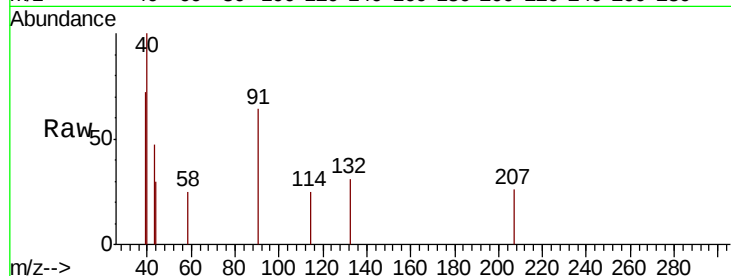




#59
2-Hexanone
Concen: 20.581 ug/l
RT: 9.56 min Scan# 905
Delta R.T. -0.08 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

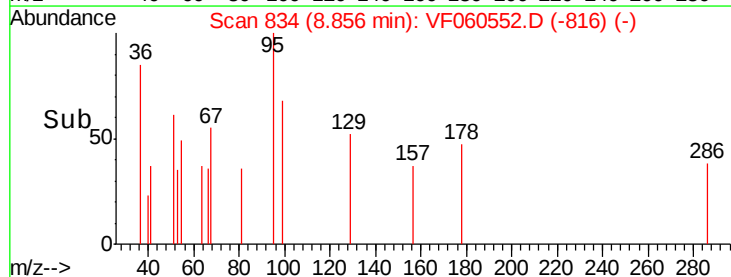
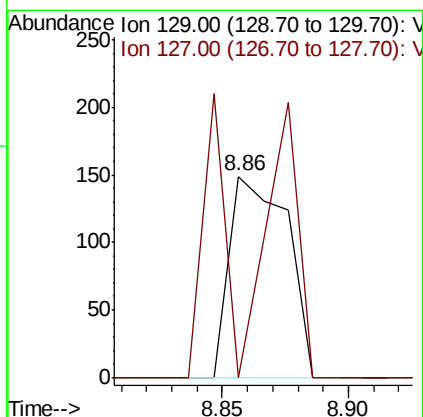
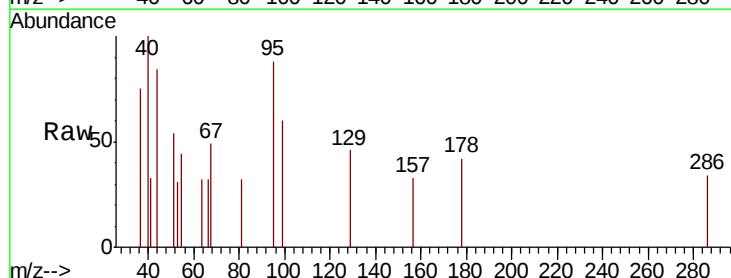
Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MS

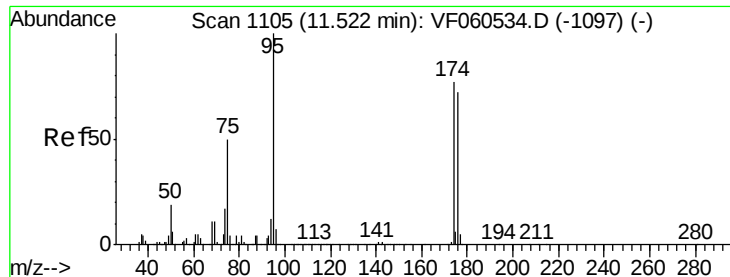
Tot Ion: 43 Resp: 111
Ion Ratio Lower Upper
43 100
58 53.7 24.1 72.3



#60
Dibromochloromethane
Concen: 13.891 ug/l
RT: 8.86 min Scan# 834
Delta R.T. -0.02 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

Tgt Ion: 129 Resp: 239
Ion Ratio Lower Upper
129 100
127 0.0 39.6 119.0#





#62

4-Bromofluorobenzene

Concen: 3.876 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.14 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MS

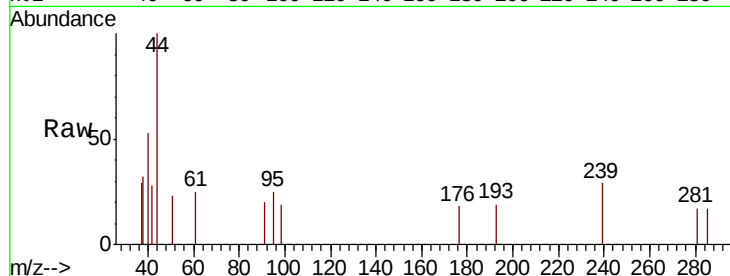
Tot Ion: 95 Resp: 93

Ion Ratio Lower Upper

95 100

174 0.0 0.0 153.8

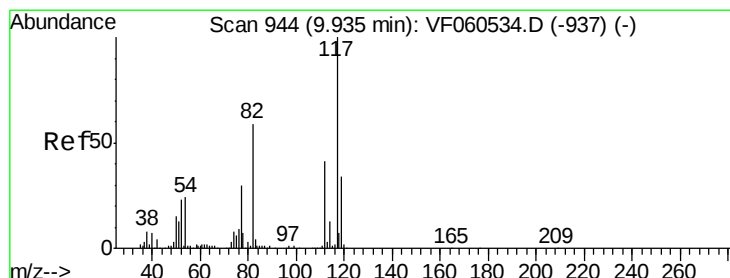
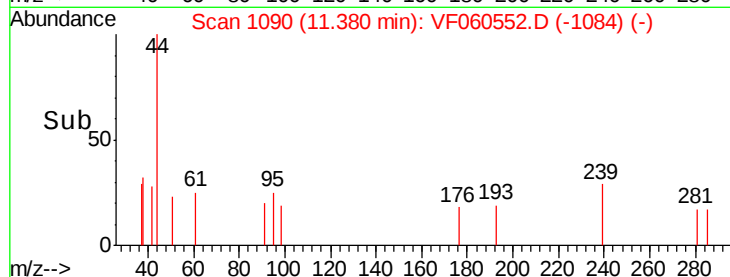
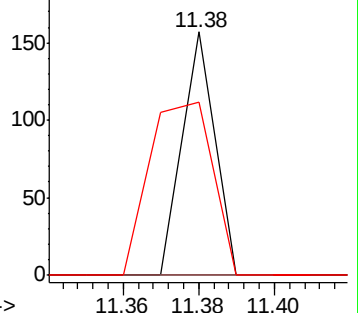
176 71.3 0.0 143.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.02 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

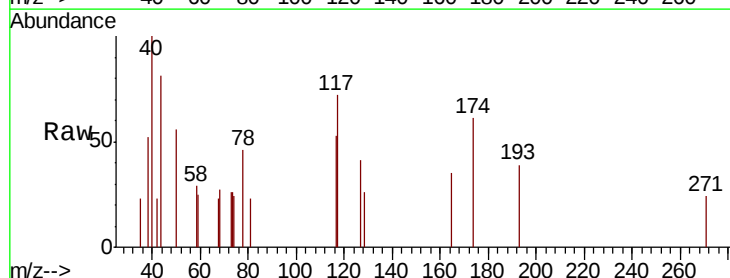
Tgt Ion: 117 Resp: 804

Ion Ratio Lower Upper

117 100

82 0.0 47.6 71.4#

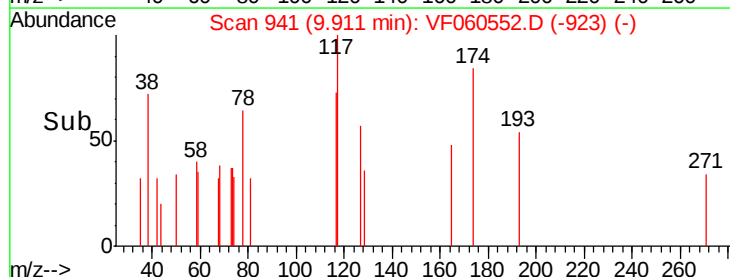
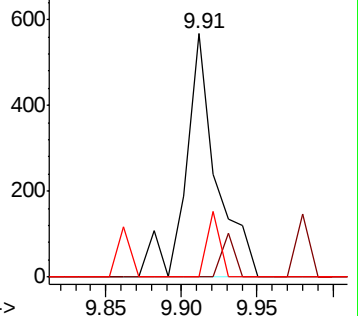
119 0.0 27.3 40.9#

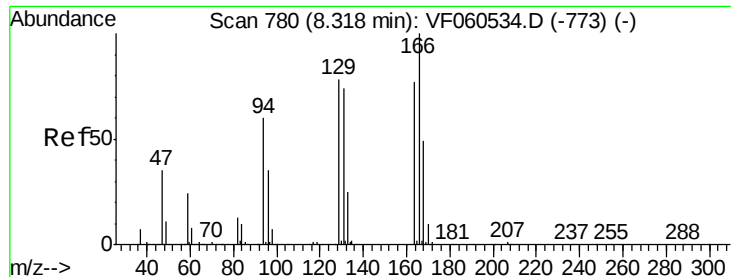


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

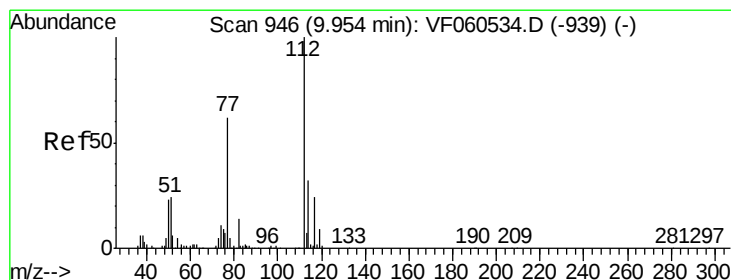
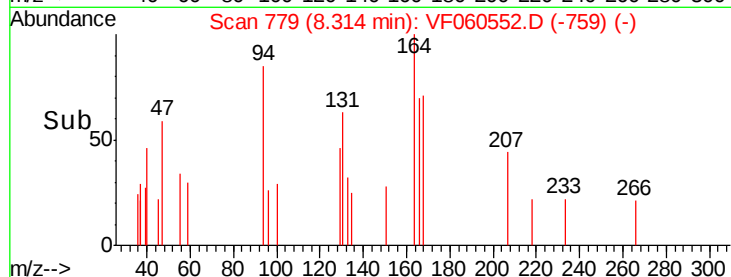
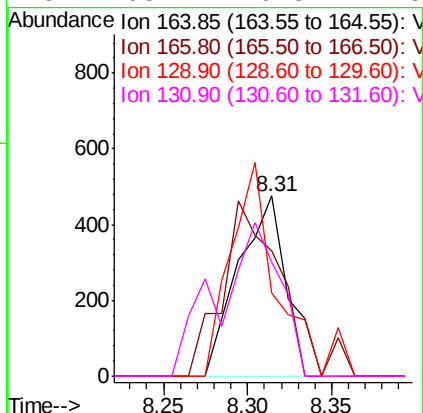
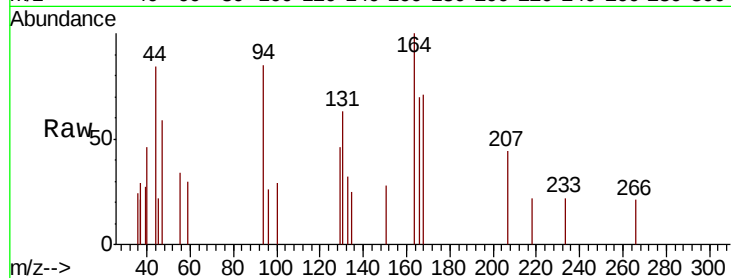




#64
Tetrachloroethene
Concen: 144.049 ug/l
RT: 8.31 min Scan# 779
Delta R.T. -0.00 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

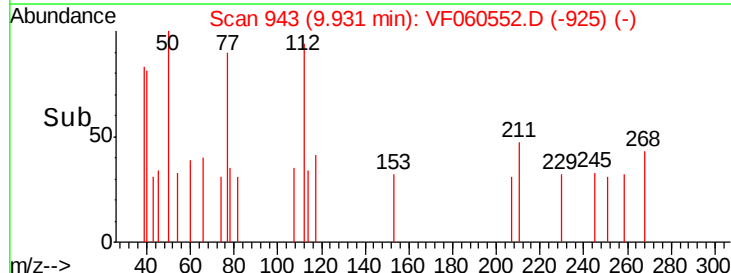
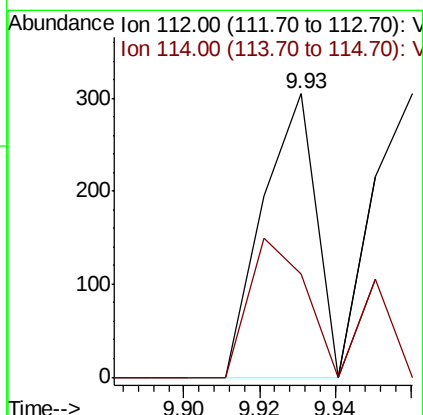
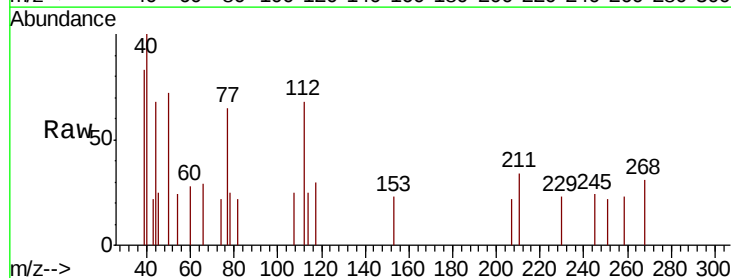
Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MS

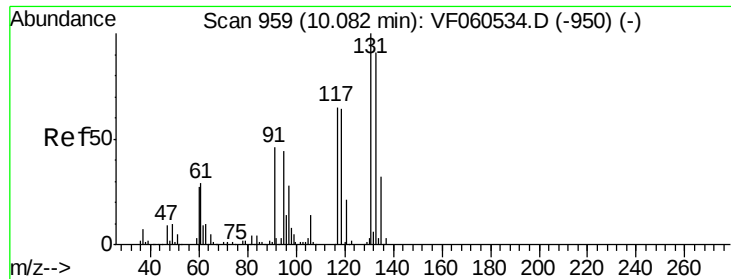
Tot Ion:164 Resp: 979
Ion Ratio Lower Upper
164 100
166 69.5 103.4 155.2#
129 45.8 80.7 121.1#
131 63.2 76.3 114.5#



#65
Chlorobenzene
Concen: 18.299 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.02 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

Tgt Ion:112 Resp: 296
Ion Ratio Lower Upper
112 100
114 36.4 25.5 38.3





#66

1,1,1,2-Tetrachloroethane

Concen: 105.955 ug/l

RT: 10.07 min Scan# 957

Delta R.T. -0.01 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MS

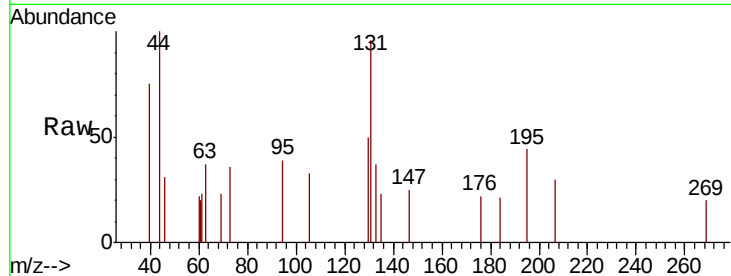
Tot Ion:131 Resp: 781

Ion Ratio Lower Upper

131 100

133 38.8 45.8 137.3#

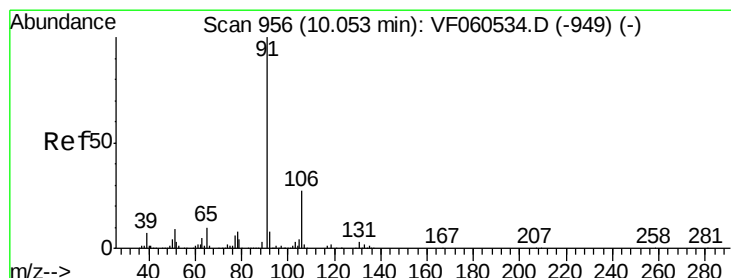
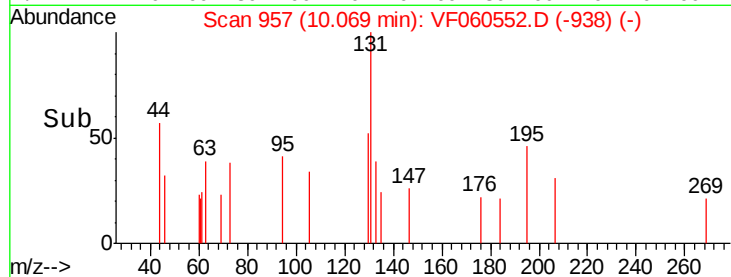
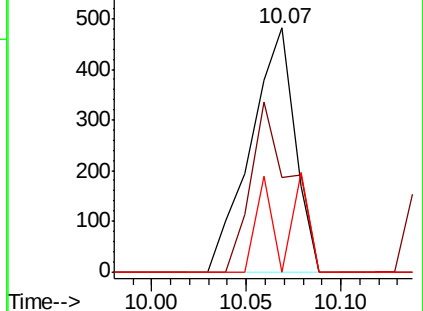
119 0.0 32.4 97.0#



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: 27.340 ug/l

RT: 10.04 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF060552.D

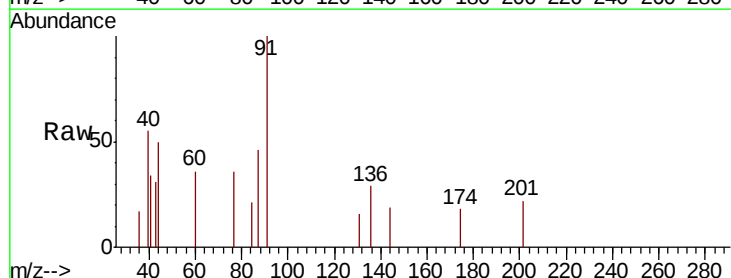
Acq: 30 Oct 2018 18:43

Tgt Ion: 91 Resp: 845

Ion Ratio Lower Upper

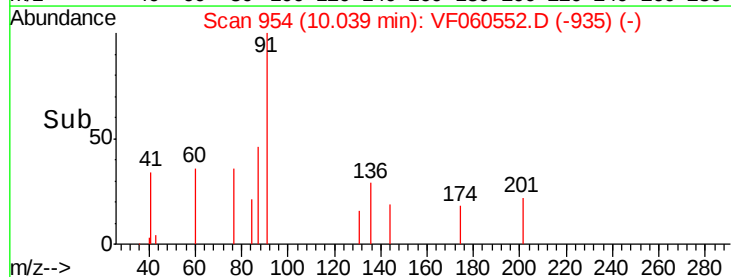
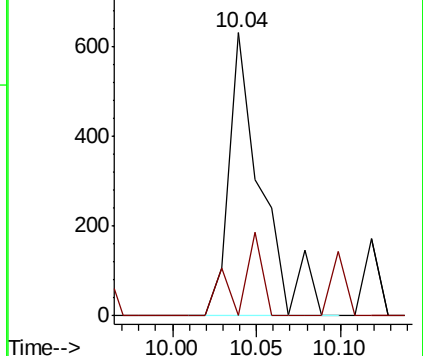
91 100

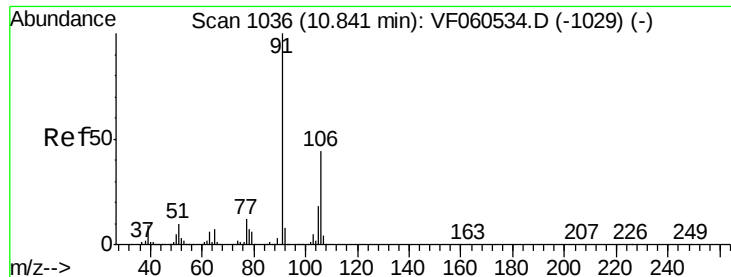
106 0.0 21.9 32.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

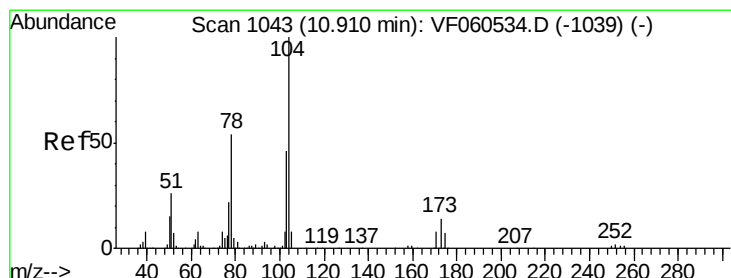
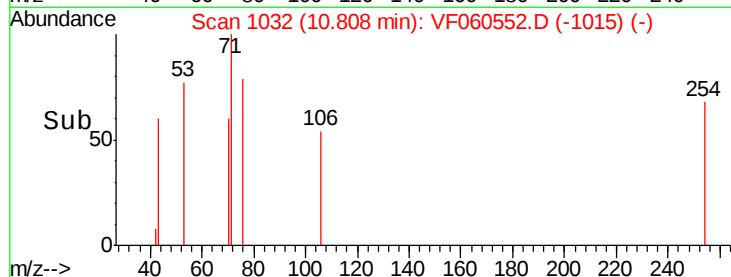
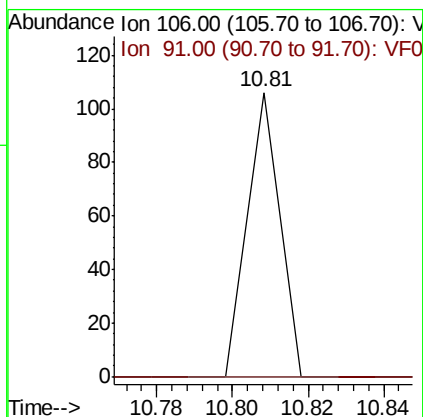
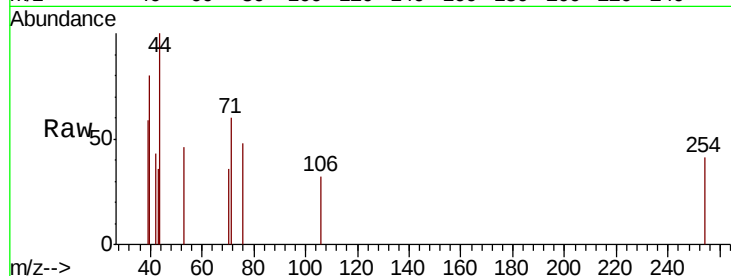




#69
o-Xylene
Concen: 5.300 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.03 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

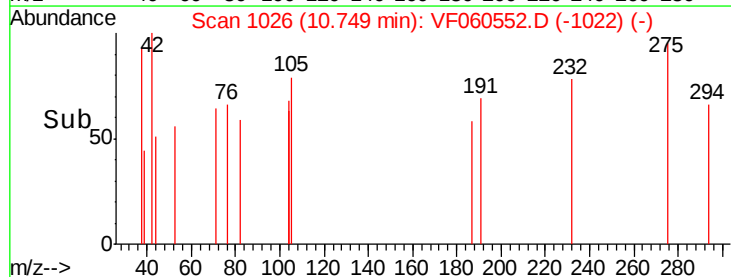
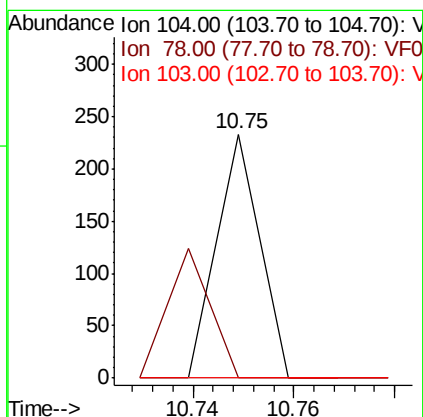
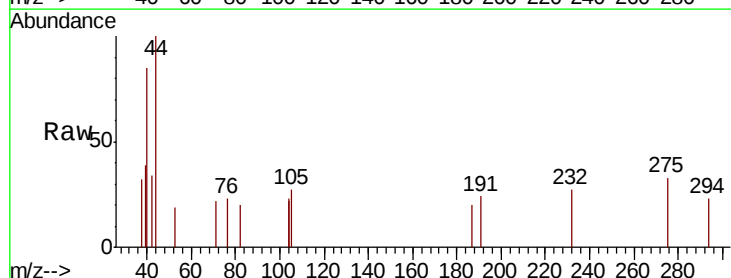
Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MS

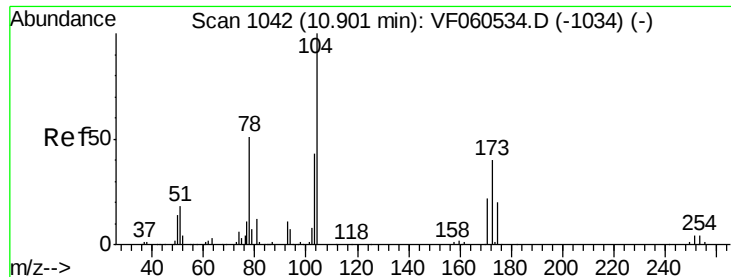
Tot Ion:106 Resp: 63
Ion Ratio Lower Upper
106 100
91 0.0 112.9 338.8#



#70
Styrene
Concen: 8.234 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. -0.16 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

Tgt Ion:104 Resp: 138
Ion Ratio Lower Upper
104 100
78 0.0 43.4 65.2#
103 0.0 36.9 55.3#





#71

Bromoform

Concen: 22.620 ug/l

RT: 10.88 min Scan# 1039

Delta R.T. -0.02 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MS

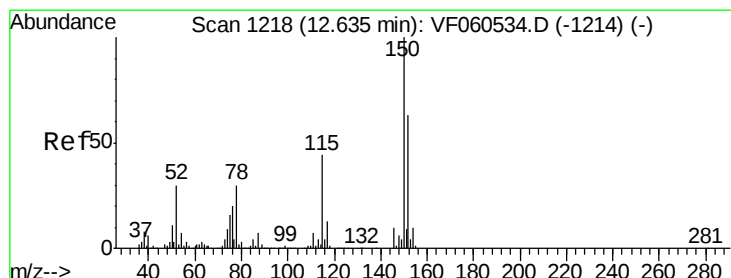
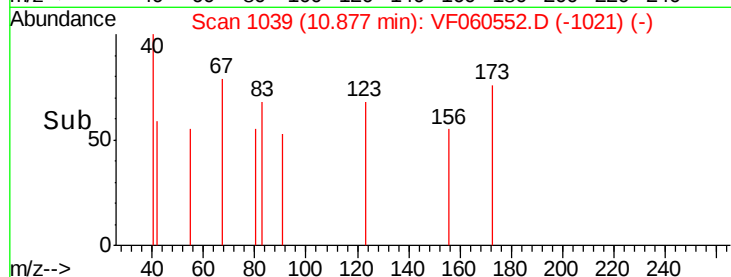
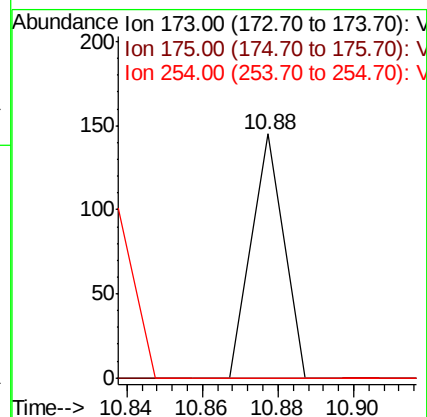
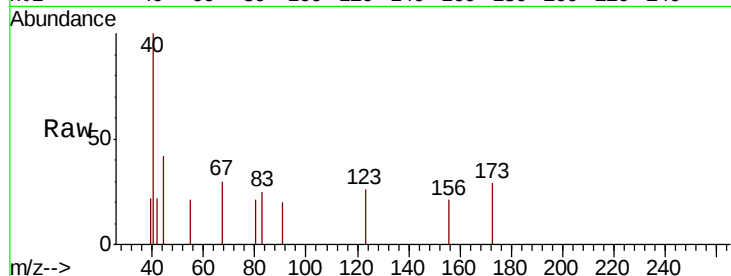
Tot Ion:173 Resp: 86

Ion Ratio Lower Upper

173 100

175 0.0 25.7 77.0#

254 0.0 7.8 11.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.75 min Scan# 1229

Delta R.T. 0.11 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

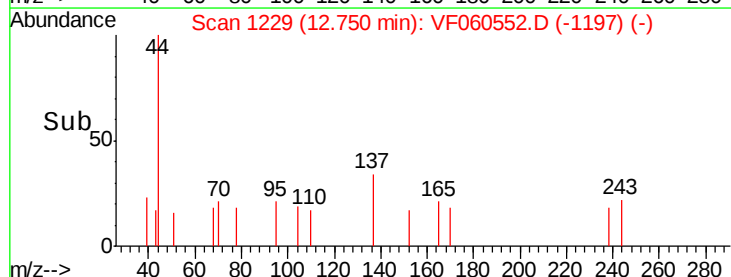
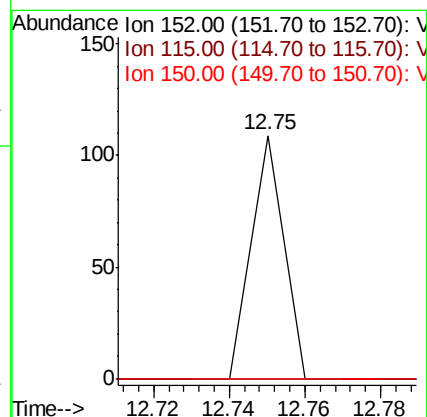
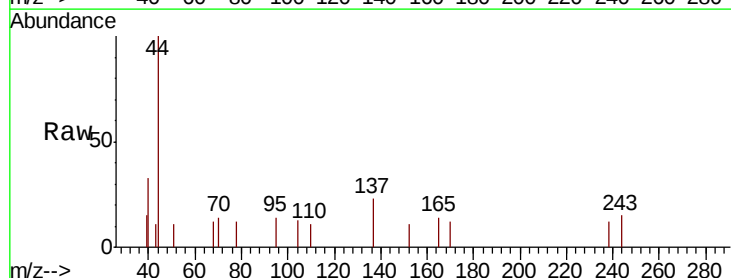
Tgt Ion:152 Resp: 64

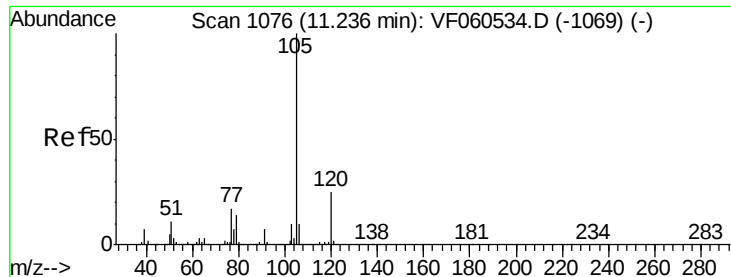
Ion Ratio Lower Upper

152 100

115 0.0 34.7 104.1#

150 0.0 0.0 318.4





#73

Isopropylbenzene

Concen: 36.383 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

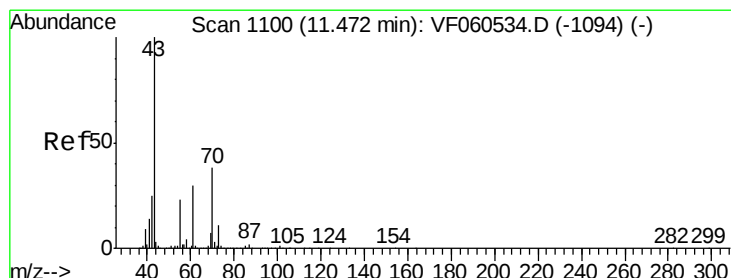
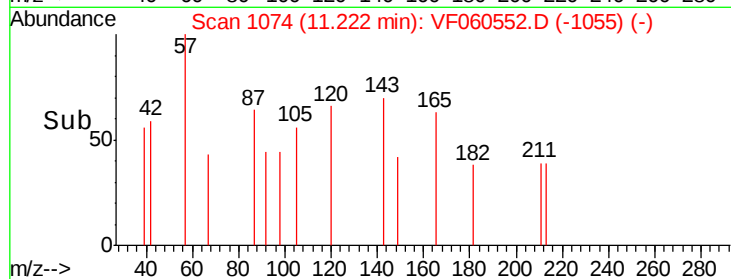
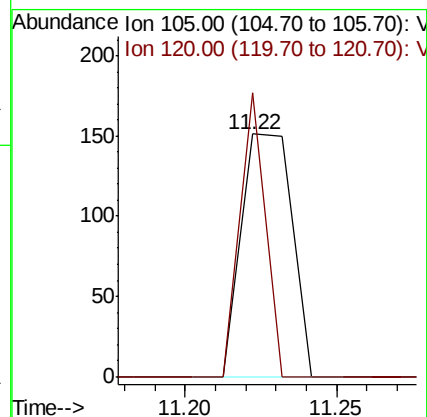
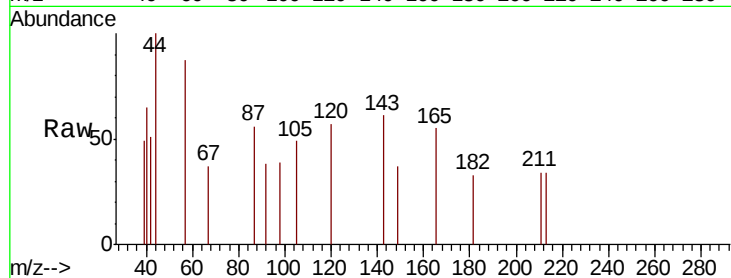
DL-SED-01MS

Tot Ion: 105 Resp: 178

Ion Ratio Lower Upper

105 100

120 117.2 12.3 36.8#



#74

N-ethyl acetate

Concen: 237.820 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.03 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Tgt Ion: 43 Resp: 233

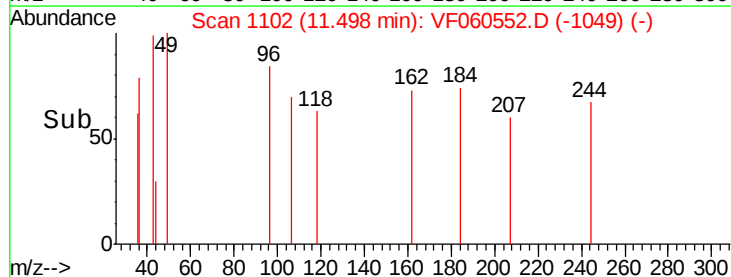
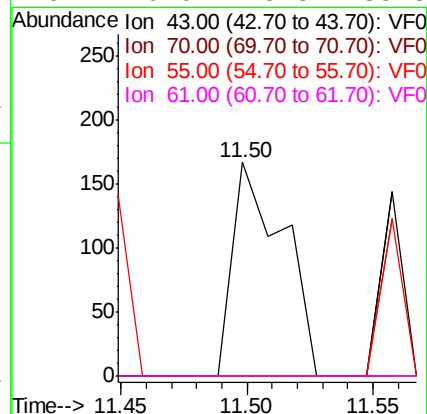
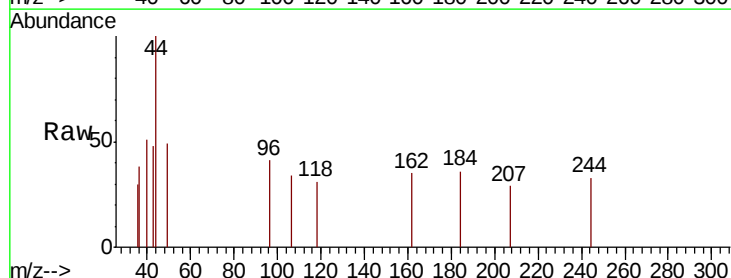
Ion Ratio Lower Upper

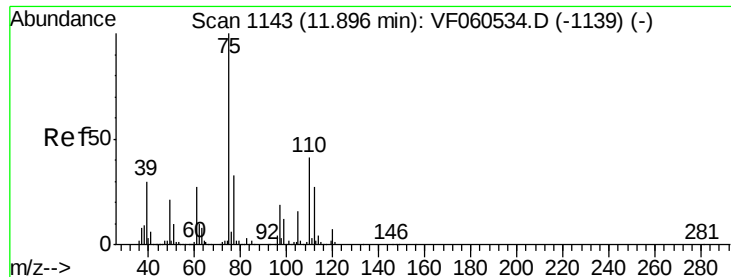
43 100

70 0.0 30.8 46.2#

55 0.0 18.2 27.4#

61 0.0 23.8 35.8#





#76

1,2,3-Trichloropropane

Concen: 156.325 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

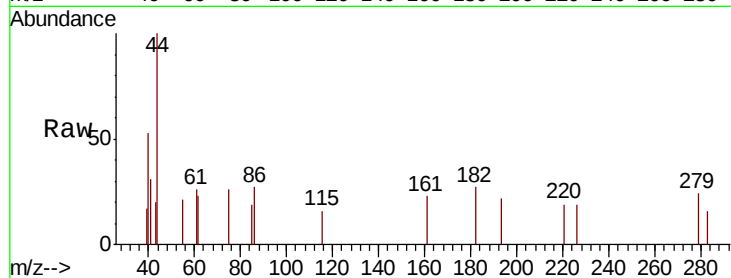
DL-SED-01MS

Tot Ion: 75 Resp: 96

Ion Ratio Lower Upper

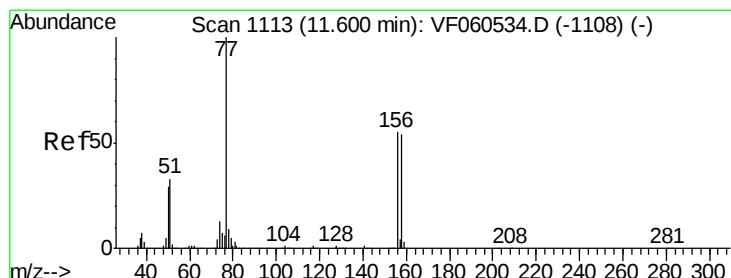
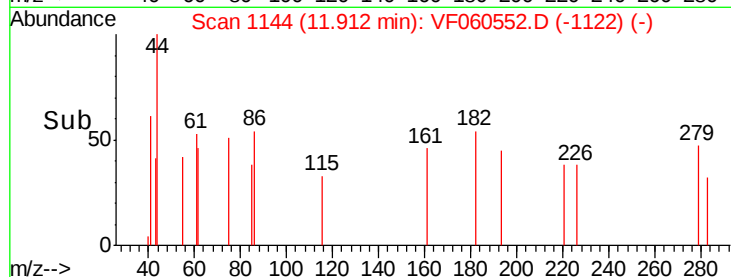
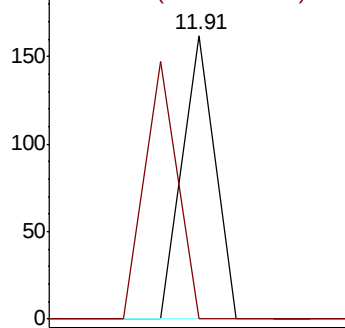
75 100

77 0.0 16.7 50.1#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#77

Bromobenzene

Concen: 58.529 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.14 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

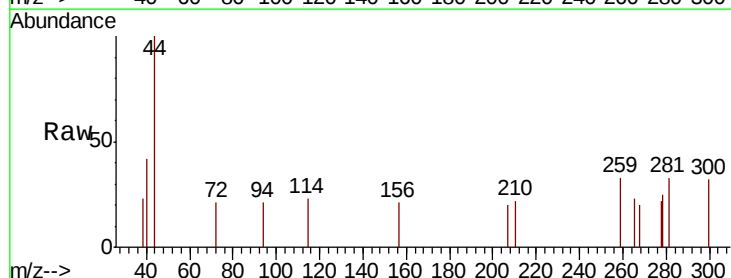
Tgt Ion: 156 Resp: 63

Ion Ratio Lower Upper

156 100

77 0.0 91.3 274.1#

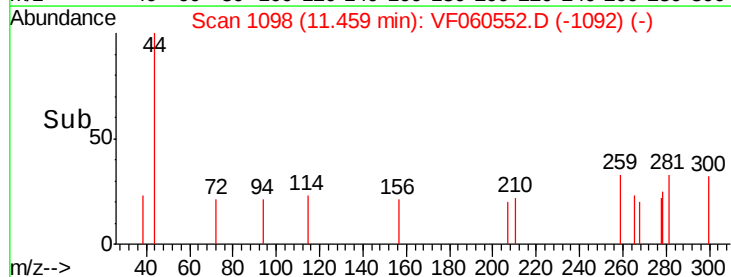
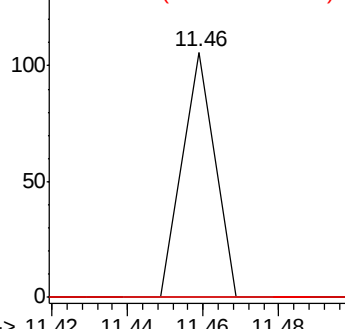
158 0.0 49.3 147.9#

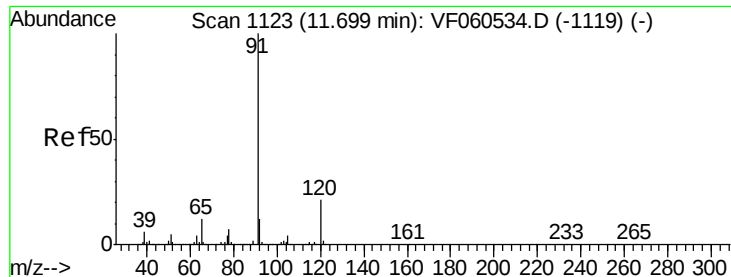


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V





#78

n-propylbenzene

Concen: 11.546 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

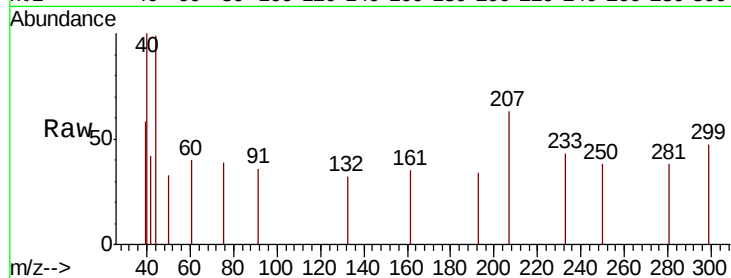
DL-SED-01MS

Tot Ion: 91 Resp: 67

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

11.70

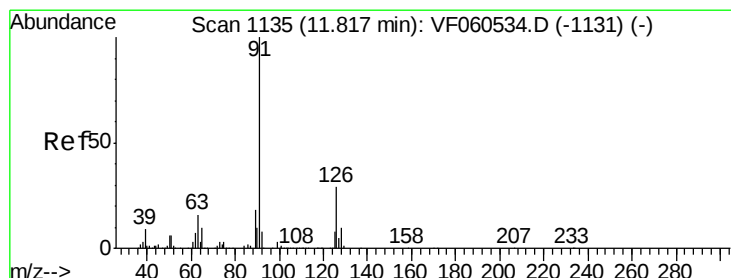
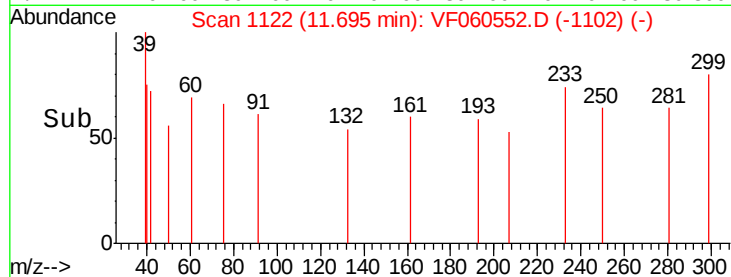
100

50

0

11.68 11.70 11.72

Time-->



#79

2-Chlorotoluene

Concen: 19.291 ug/l

RT: 11.75 min Scan# 1128

Delta R.T. -0.06 min

Lab File: VF060552.D

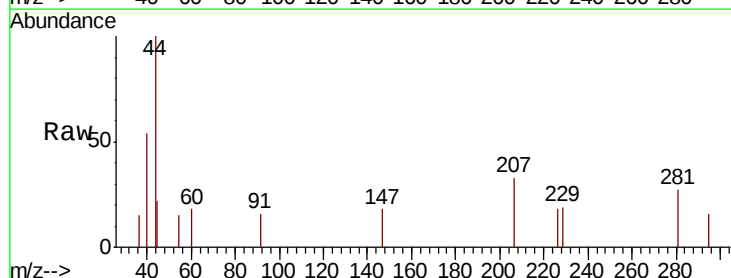
Acq: 30 Oct 2018 18:43

Tgt Ion: 91 Resp: 67

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

11.75

120

100

80

60

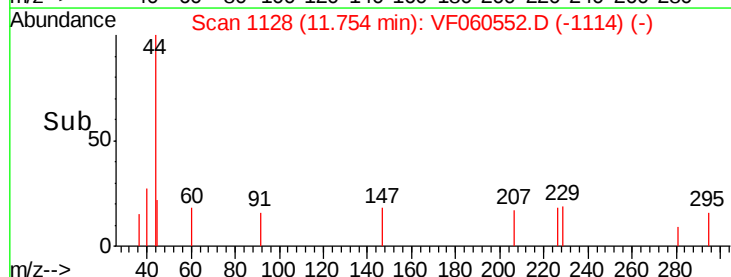
40

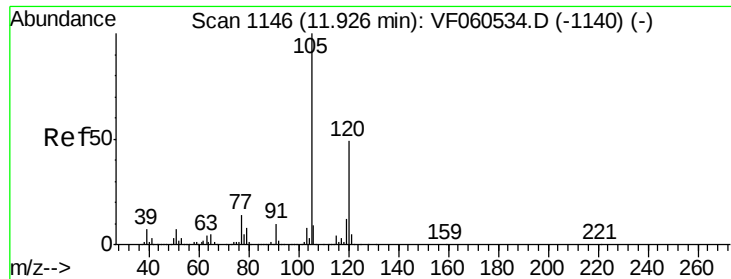
20

0

11.72 11.74 11.76 11.78

Time-->

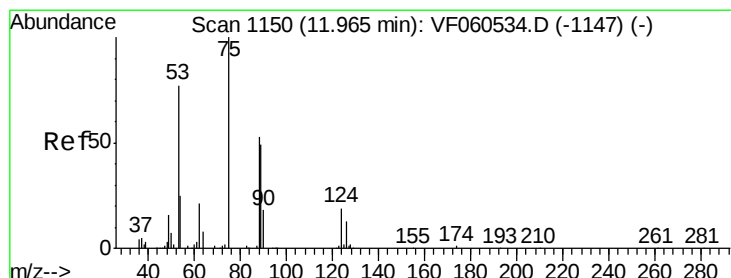
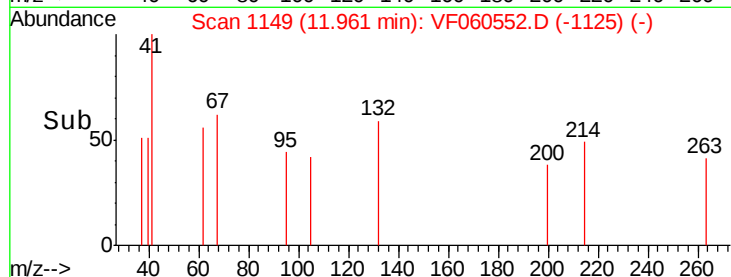
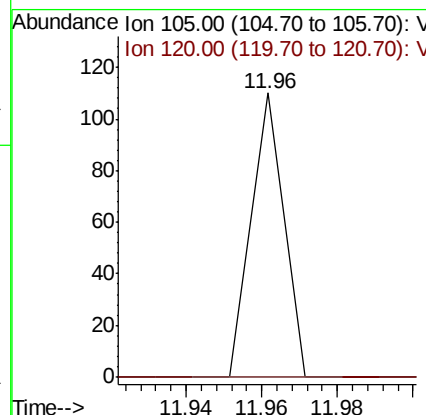
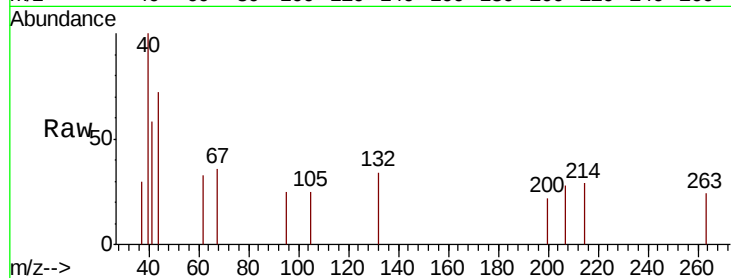




#80
 1,3,5-Trimethylbenzene
 Concen: 15.377 ug/l
 RT: 11.96 min Scan# 1149
 Delta R.T. 0.04 min
 Lab File: VF060552.D
 Acq: 30 Oct 2018 18:43

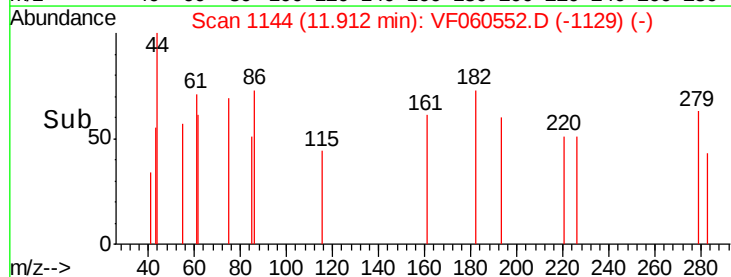
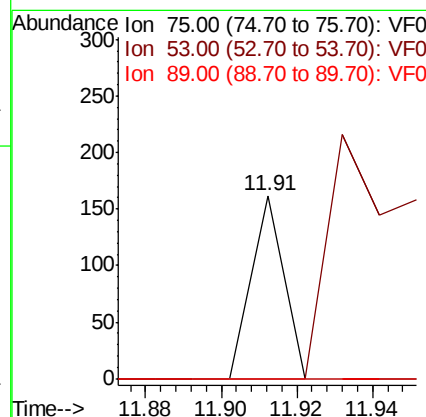
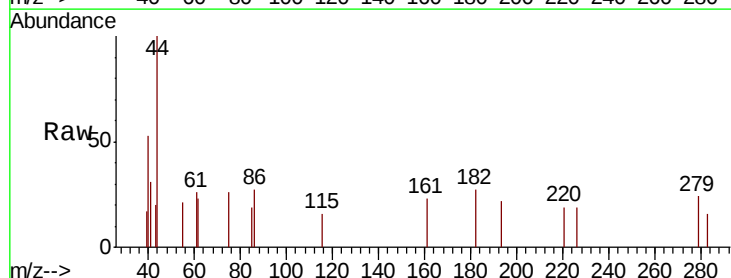
Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MS

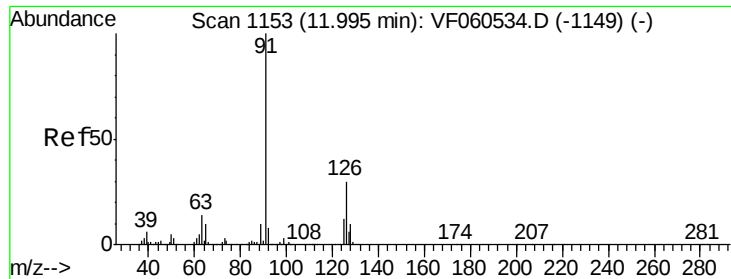
Tot Ion: 105 Resp: 65
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.3 73.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 357.891 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. -0.05 min
 Lab File: VF060552.D
 Acq: 30 Oct 2018 18:43

Tgt Ion: 75 Resp: 96
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.6#
 89 0.0 44.0 66.0#

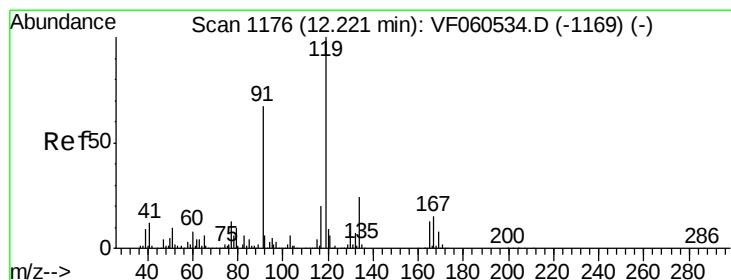
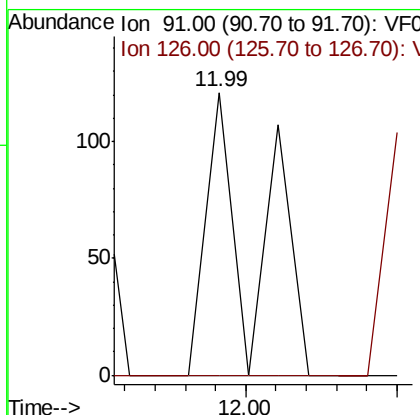
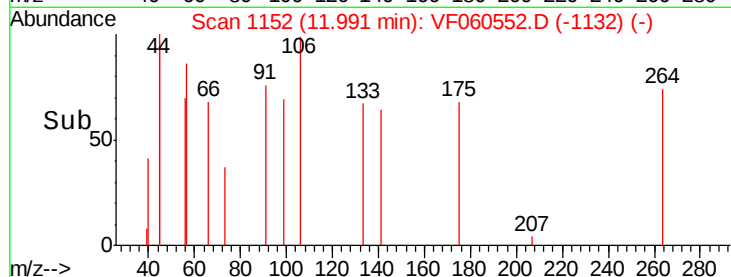
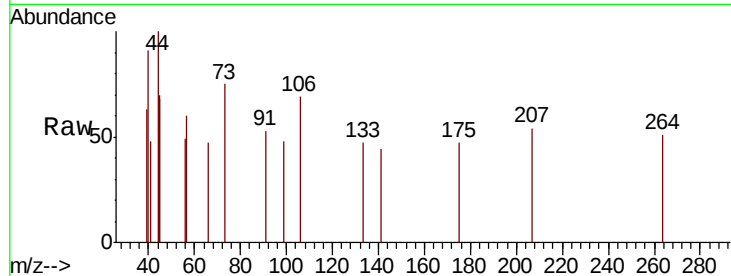




#82
4-Chlorotoluene
Concen: 37.490 ug/l
RT: 11.99 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

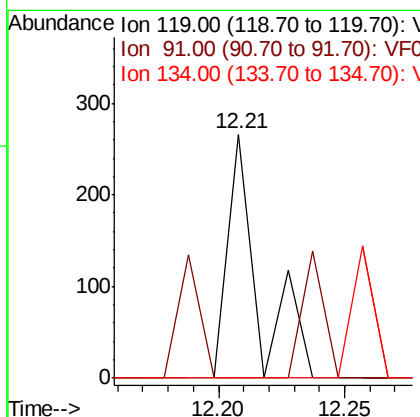
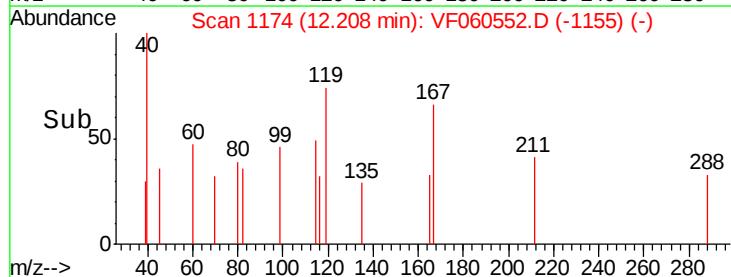
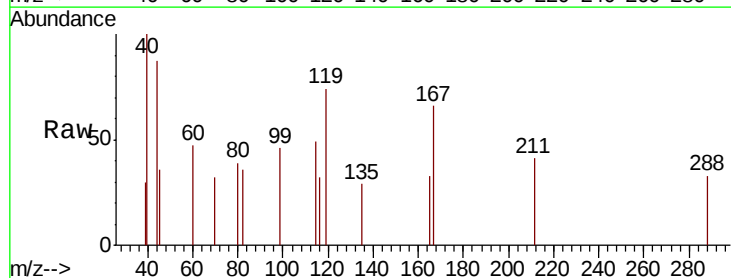
Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MS

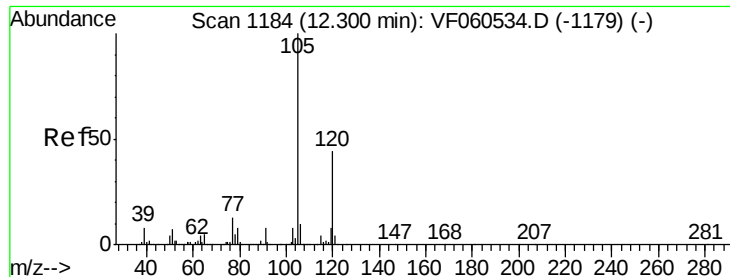
Tot Ion: 91 Resp: 135
Ion Ratio Lower Upper
91 100
126 0.0 15.1 45.3#



#83
tert-Butylbenzene
Concen: 55.413 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

Tgt Ion: 119 Resp: 227
Ion Ratio Lower Upper
119 100
91 0.0 33.6 100.8#
134 0.0 12.0 36.0#

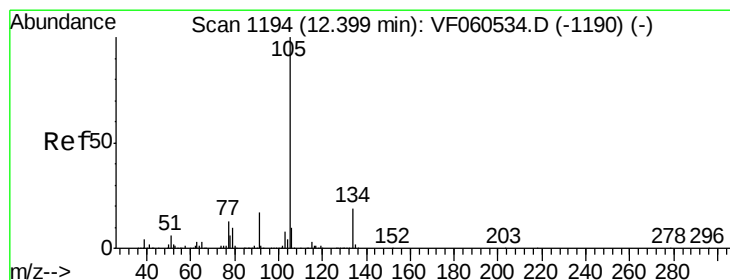
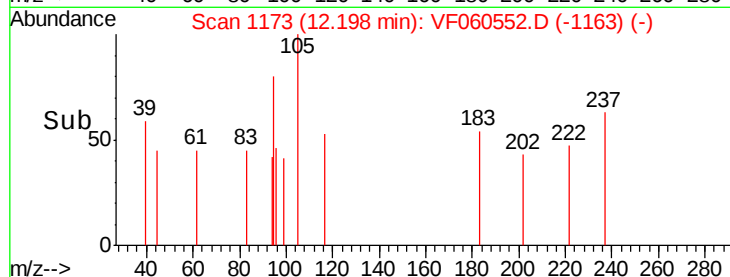
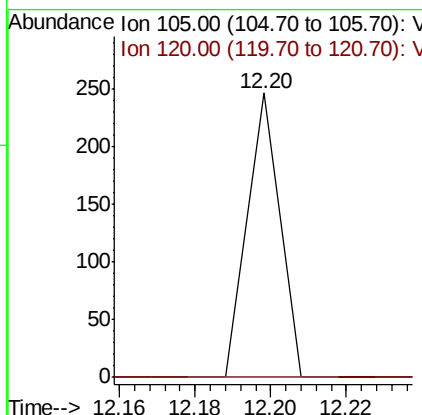
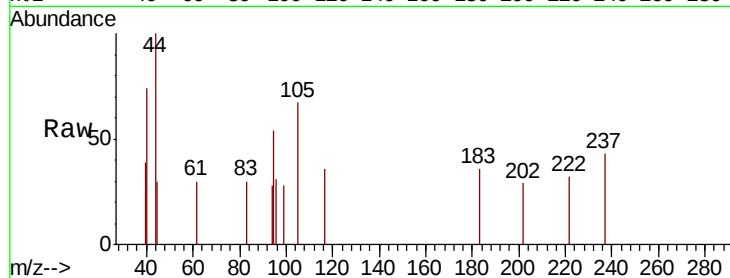




#84
 1,2,4-Trimethylbenzene
 Concen: 34.002 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.10 min
 Lab File: VF060552.D
 Acq: 30 Oct 2018 18:43

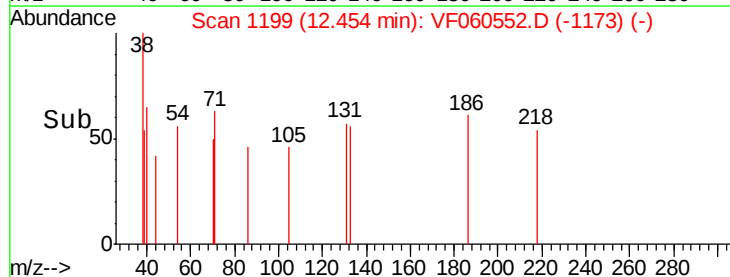
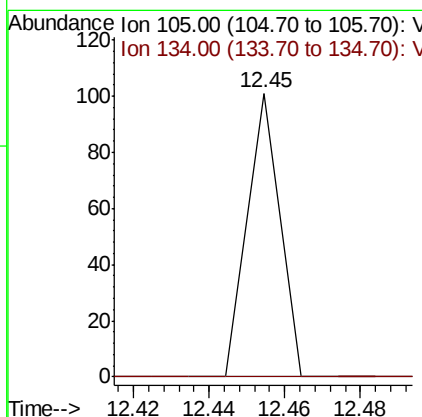
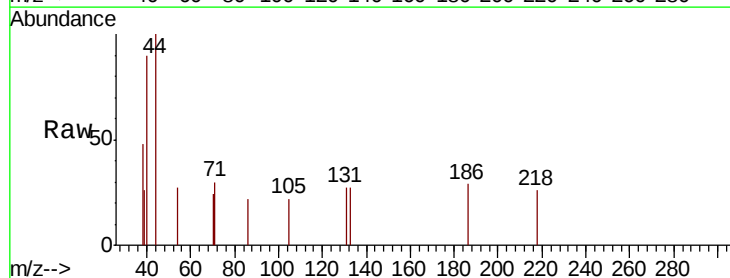
Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MS

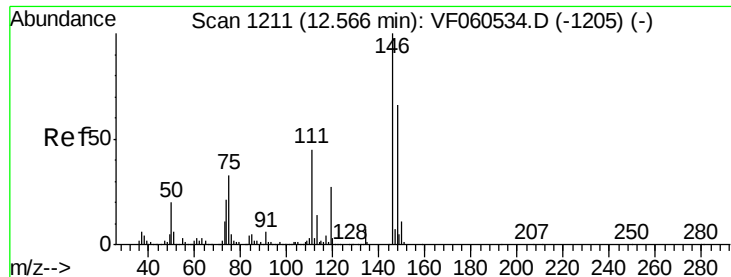
Tot Ion:105 Resp: 146
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.0 66.0#



#85
 sec-Butylbenzene
 Concen: 10.451 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. 0.06 min
 Lab File: VF060552.D
 Acq: 30 Oct 2018 18:43

Tgt Ion:105 Resp: 60
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#

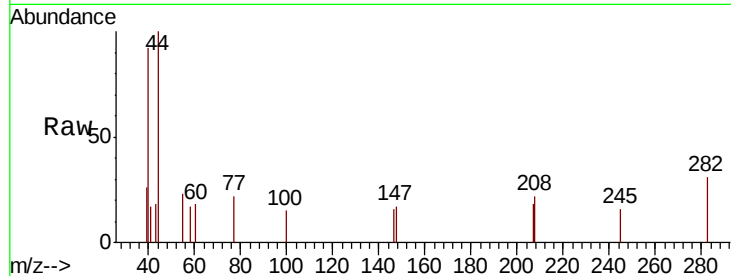




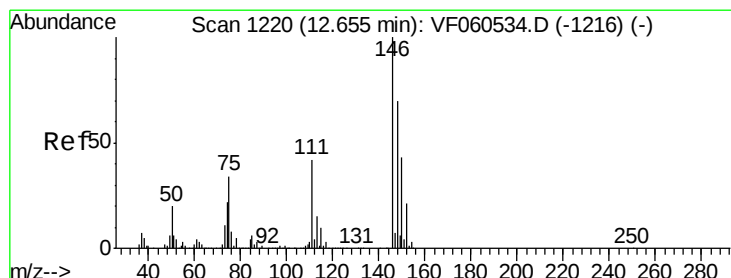
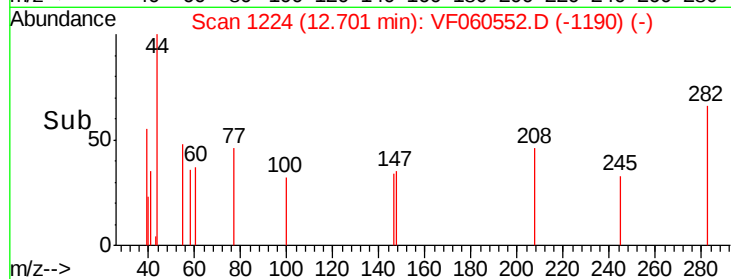
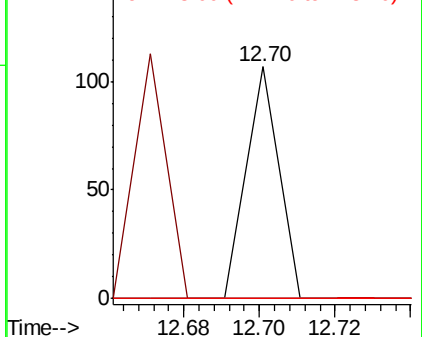
#87
 1,3-Dichlorobenzene
 Concen: 29.321 ug/l
 RT: 12.70 min Scan# 1224
 Delta R.T. 0.13 min
 Lab File: VF060552.D
 Acq: 30 Oct 2018 18:43

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.6	67.7#
148	0.0	33.1	99.3#

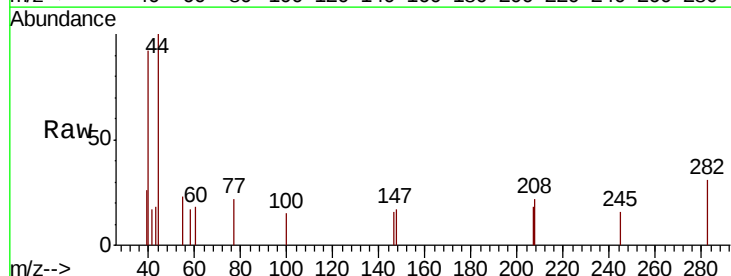


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

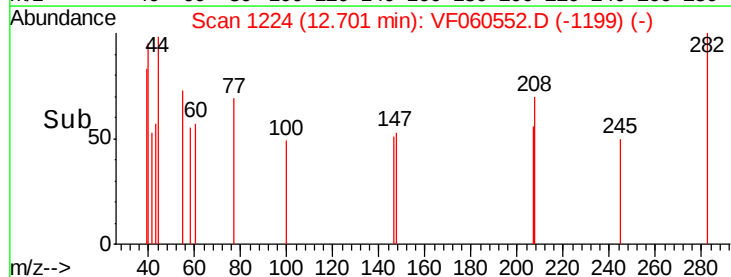
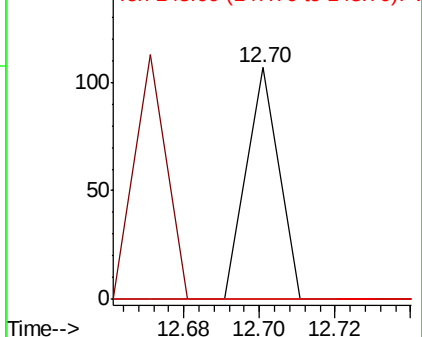


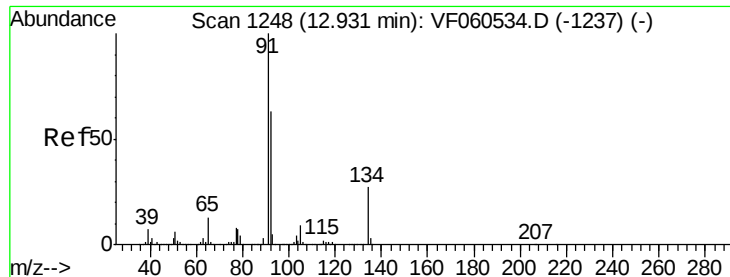
#88
 1,4-Dichlorobenzene
 Concen: 31.067 ug/l
 RT: 12.70 min Scan# 1224
 Delta R.T. 0.05 min
 Lab File: VF060552.D
 Acq: 30 Oct 2018 18:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.2	63.6#
148	0.0	35.1	105.5#



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

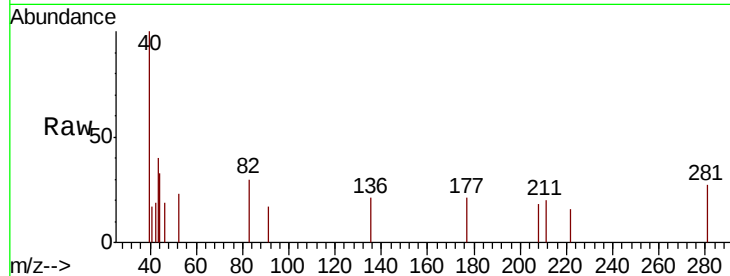




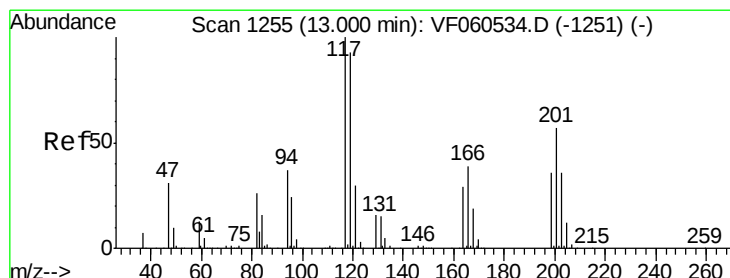
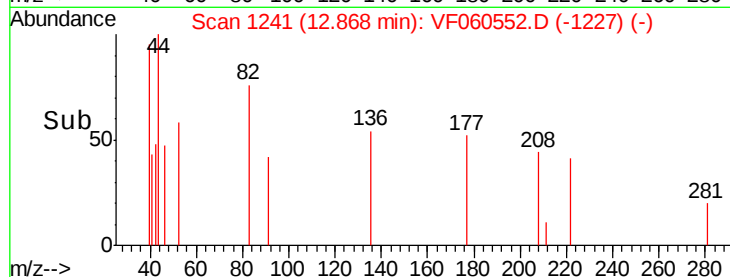
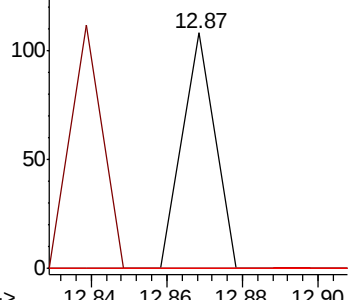
#89
n-Butylbenzene
Concen: 9.269 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. -0.06 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

Instrument :
MSVOA_F
ClientSampleId :
DL-SED-01MS

Tot Ion: 91 Resp: 64
Ion Ratio Lower Upper
91 100
92 0.0 31.3 93.9#
134 0.0 13.3 39.8#

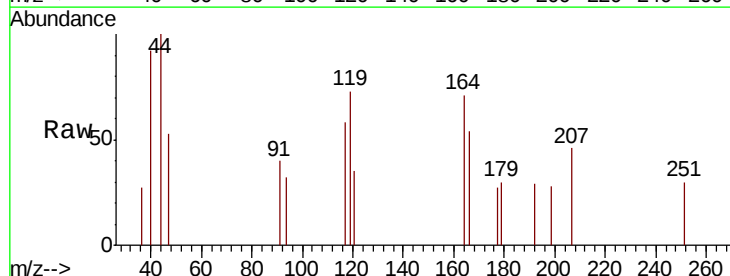


Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V

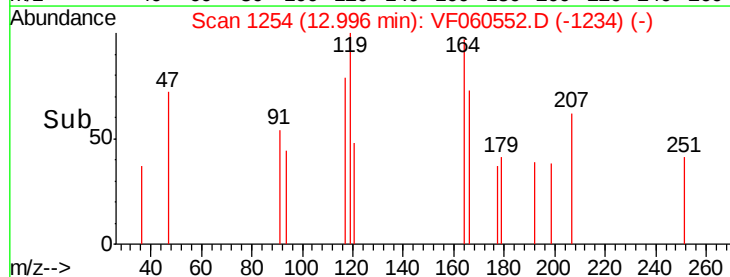
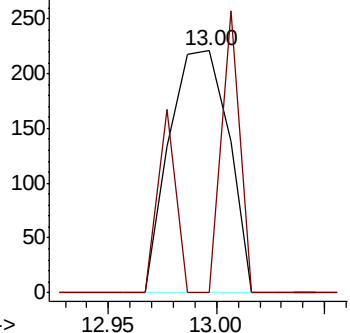


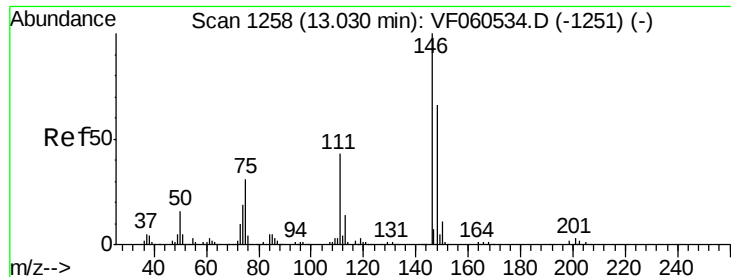
#90
Hexachloroethane
Concen: 346.169 ug/l
RT: 13.00 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF060552.D
Acq: 30 Oct 2018 18:43

Tgt Ion: 117 Resp: 421
Ion Ratio Lower Upper
117 100
201 0.0 28.2 84.7#



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 32.604 ug/l

RT: 13.05 min Scan# 1259

Delta R.T. 0.02 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

DL-SED-01MS

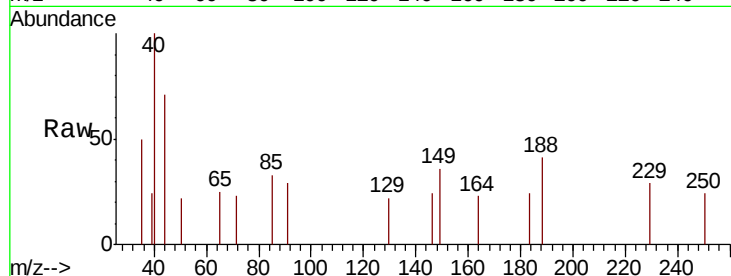
Tot Ion:146 Resp: 66

Ion Ratio Lower Upper

146 100

111 0.0 21.5 64.5#

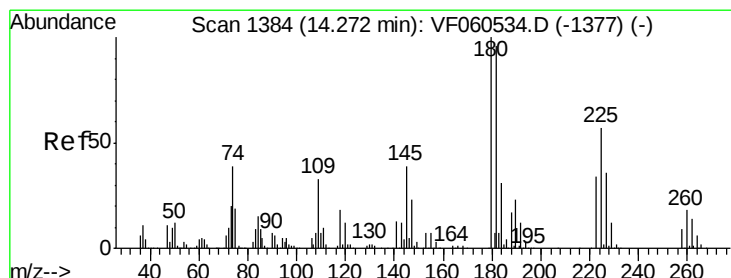
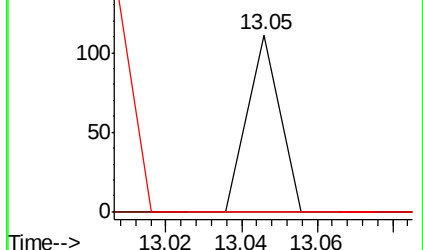
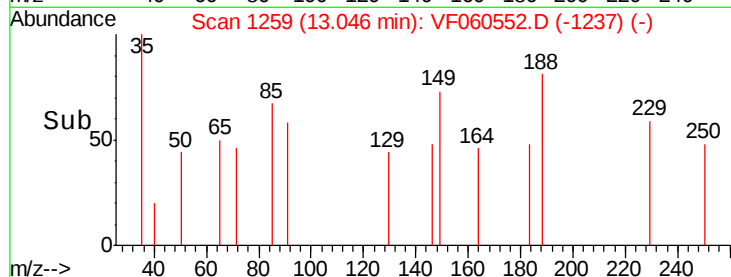
148 0.0 33.1 99.5#



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



#93

1,2,4-Trichlorobenzene

Concen: 73.867 ug/l

RT: 14.33 min Scan# 1389

Delta R.T. 0.06 min

Lab File: VF060552.D

Acq: 30 Oct 2018 18:43

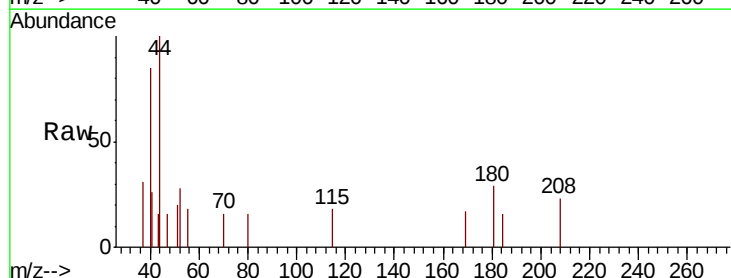
Tgt Ion:180 Resp: 112

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.3#

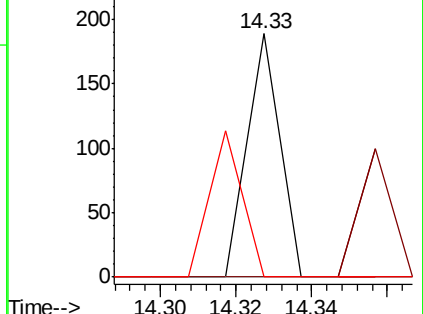
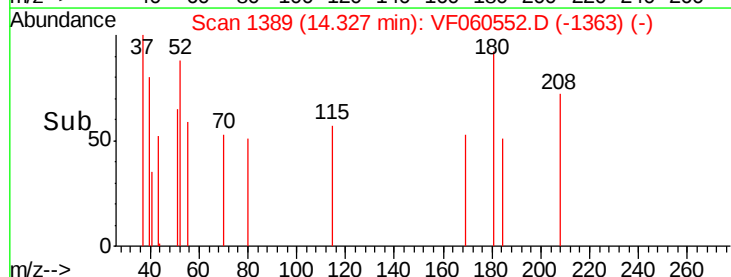
145 0.0 19.5 58.5#

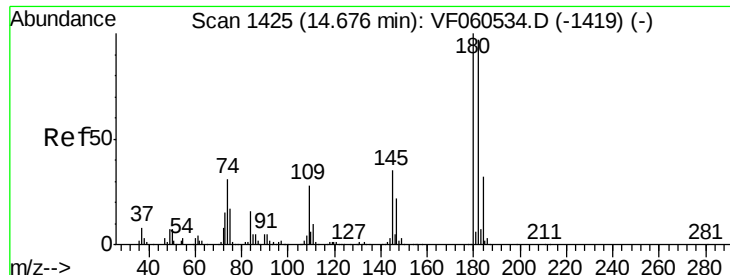


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

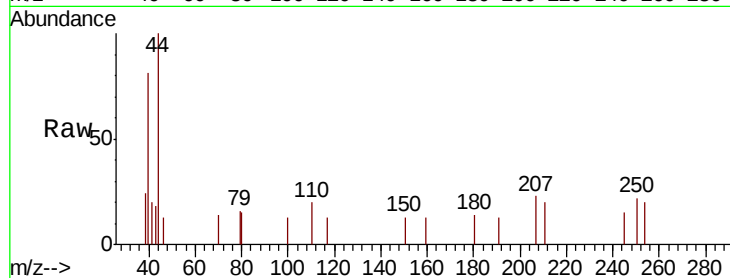




#96
 1,2,3-Trichlorobenzene
 Concen: 47.810 ug/l
 RT: 14.52 min Scan# 1409
 Delta R.T. -0.15 min
 Lab File: VF060552.D
 Acq: 30 Oct 2018 18:43

Instrument :
 MSVOA_F
 ClientSampleId :
 DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.7	146.1#
145	0.0	17.3	52.0#



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

