

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092818\
 Data File : VF060378.D
 Acq On : 28 Sep 2018 20:22
 Operator : VA/AP
 Sample : J4780-03
 Misc : 8.66/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-092818

Quant Time: Sep 29 00:19:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	64	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	84	50.00	ug/l	-0.15
63) Chlorobenzene-d5	9.67	117	67	50.00	ug/l	-0.25
72) 1,4-Dichlorobenzene-d4	12.61	152	1971	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.96	65	82	95.15	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	190.30%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.50	98	62	31.79	ug/l	-0.21
Spiked Amount	50.000		Recovery	=	63.58%	
62) 4-Bromofluorobenzene	11.19	95	1143	1355.97	ug/l	-0.31
Spiked Amount	50.000		Recovery	=	2711.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	104	116.639	ug/l #	40
3) Chloromethane	1.18	50	225	257.984	ug/l #	24
4) Vinyl Chloride	1.16	62	151	169.885	ug/l #	43
5) Bromomethane	1.18	94	83	184.398	ug/l	94
6) Chloroethane	1.43	64	139	328.366	ug/l #	42
7) Trichlorofluoromethane	1.54	101	141	85.149	ug/l #	18
8) Diethyl Ether	1.70	74	160	580.759	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.83	101	141	160.108	ug/l #	23
10) Methyl Iodide	1.93	142	69	48.587	ug/l #	24
11) Tert butyl alcohol	2.65	59	67	1474.957	ug/l #	63
12) 1,1-Dichloroethene	1.86	96	221	303.442	ug/l #	1
13) Acrolein	2.00	56	117	3221.258	ug/l	85
14) Allyl chloride	2.18	41	561	441.406	ug/l #	52
15) Acrylonitrile	3.00	53	66	542.261	ug/l #	14
16) Acetone	2.32	43	642	2645.284	ug/l #	59
17) Carbon Disulfide	1.93	76	67	34.458	ug/l #	70
18) Methyl Acetate	2.41	43	434	1073.432	ug/l #	62
19) Methyl tert-butyl Ether	2.54	73	152	83.717	ug/l #	59
20) Methylene Chloride	2.30	84	196	342.479	ug/l #	7
21) trans-1,2-Dichloroethene	2.39	96	138	183.456	ug/l #	1
22) Diisopropyl ether	2.87	45	222	92.580	ug/l #	1
23) Vinyl Acetate	3.31	43	937	994.913	ug/l #	79
24) 1,1-Dichloroethane	3.00	63	113	72.662	ug/l #	89
25) 2-Butanone	4.47	43	590	1806.119	ug/l #	15
26) 2,2-Dichloropropane	3.76	77	205	231.029	ug/l #	58
27) cis-1,2-Dichloroethene	3.59	96	92	93.096	ug/l	1
28) Bromochloromethane	3.93	49	67	110.658	ug/l #	8
29) Tetrahydrofuran	4.21	42	99	827.574	ug/l #	35
30) Chloroform	4.00	83	95	50.627	ug/l #	15
31) Cyclohexane	3.85	56	132	100.488	ug/l #	15
32) 1,1,1-Trichloroethane	4.21	97	168	113.466	ug/l #	21
36) 1,1-Dichloropropene	4.18	75	90	85.896	ug/l #	41
37) Ethyl Acetate	4.22	43	584	1317.256	ug/l #	1
38) Carbon Tetrachloride	4.15	117	89	79.081	ug/l #	14

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

39) Methylcyclohexane	5.48	83	88	77.493	ug/l #	74
40) Benzene	4.63	78	312	131.322	ug/l #	53
41) Methacrylonitrile	4.80	41	896	3724.504	ug/l #	48
42) 1,2-Dichloroethane	4.91	62	60	68.612	ug/l	79
43) Isopropyl Acetate	6.95	43	588	1101.684	ug/l #	48
44) Trichloroethene	5.63	130	64	90.515	ug/l	1
45) 1,2-Dichloropropane	6.30	63	194	315.510	ug/l #	42
46) Dibromomethane	6.07	93	119	270.752	ug/l #	5
47) Bromodichloromethane	6.38	83	222	210.183	ug/l #	26
48) Methyl methacrylate	6.71	41	431	1150.372	ug/l #	80
49) 1,4-Dioxane	6.58	88	71	21211.717	ug/l #	20
51) 4-Methyl-2-Pentanone	8.17	43	924	2246.178	ug/l #	35
53) t-1,3-Dichloropropene	8.22	75	90	105.637	ug/l #	1
54) cis-1,3-Dichloropropene	7.34	75	201	187.273	ug/l #	62
55) 1,1,2-Trichloroethane	8.43	97	454	995.225	ug/l #	38
56) Ethyl methacrylate	8.51	69	748	1357.680	ug/l #	43
57) 1,3-Dichloropropane	8.76	76	80	105.914	ug/l #	40
58) 2-Chloroethyl Vinyl ether	7.61	63	235	4824.987	ug/l	100
59) 2-Hexanone	9.35	43	388	1324.706	ug/l	63
60) Dibromochloromethane	8.70	129	67	98.542	ug/l #	13
61) 1,2-Dibromoethane	8.88	107	207	407.492	ug/l #	64
65) Chlorobenzene	9.95	112	133	87.586	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.07	131	116	184.074	ug/l	83
67) Ethyl Benzene	10.01	91	325	115.755	ug/l #	46
68) m/p-Xylenes	10.18	106	76	78.350	ug/l	86
69) o-Xylene	10.85	106	811	745.407	ug/l	61
70) Styrene	10.87	104	159	103.626	ug/l #	37
71) Bromoform	10.86	173	77	222.482	ug/l #	31
73) Isopropylbenzene	11.22	105	616	3.481	ug/l #	66
74) N-amyl acetate	11.47	43	666	17.651	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.77	83	408	13.011	ug/l #	40
76) 1,2,3-Trichloropropane	11.87	75	73	3.251	ug/l #	1
77) Bromobenzene	11.59	156	794	20.822	ug/l #	62
78) n-propylbenzene	11.75	91	846	Below Cal		96
79) 2-Chlorotoluene	11.66	91	787	6.594	ug/l	83
80) 1,3,5-Trimethylbenzene	11.84	105	1301	9.134	ug/l	82
81) trans-1,4-Dichloro-2-buten	11.97	75	70	5.899	ug/l #	1
82) 4-Chlorotoluene	12.00	91	700	5.835	ug/l #	43
83) tert-Butylbenzene	12.27	119	319	2.209	ug/l	73
84) 1,2,4-Trimethylbenzene	12.32	105	1799	12.439	ug/l	80
85) sec-Butylbenzene	12.37	105	2430	7.319	ug/l	82
86) p-Isopropyltoluene	12.50	119	566	Below Cal	#	1
87) 1,3-Dichlorobenzene	12.56	146	251	3.522	ug/l #	1
88) 1,4-Dichlorobenzene	12.64	146	391	5.552	ug/l #	1
89) n-Butylbenzene	12.92	91	951	1.932	ug/l #	47
90) Hexachloroethane	13.03	117	841	20.815	ug/l	75
91) 1,2-Dichlorobenzene	13.02	146	189	2.780	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.72	75	363	61.656	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.28	180	94	1.903	ug/l #	1
95) Naphthalene	14.50	128	657	7.585	ug/l #	83

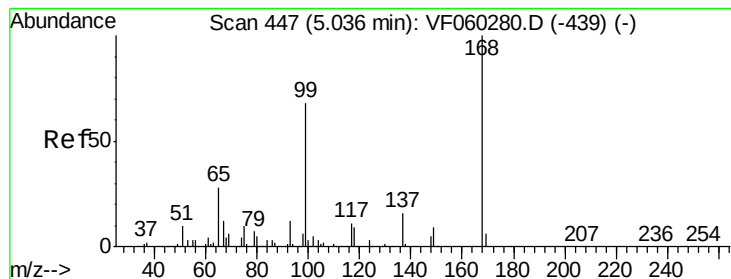
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.64	180	183	4.008	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

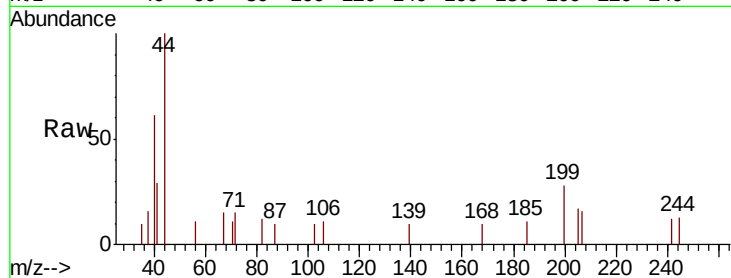
TR-04-092818

Tot Ion:168 Resp: 64

Ion Ratio Lower Upper

168 100

99 0.0 54.8 82.2#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100

80

60

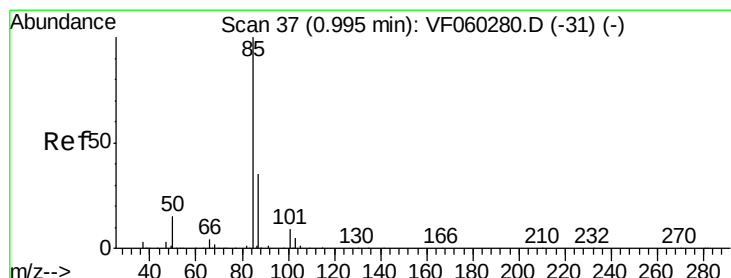
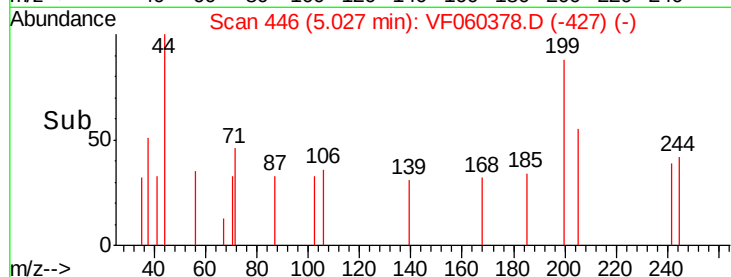
40

20

0

5.00 5.02 5.04 5.06

Time-->



#2

Dichlorodifluoromethane

Concen: 116.639 ug/l

RT: 0.98 min Scan# 35

Delta R.T. -0.02 min

Lab File: VF060378.D

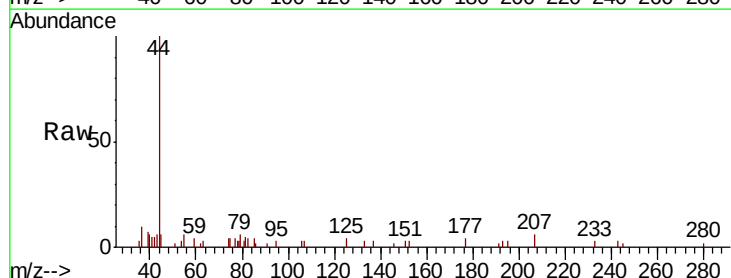
Acq: 28 Sep 2018 20:22

Tgt Ion: 85 Resp: 104

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

200

150

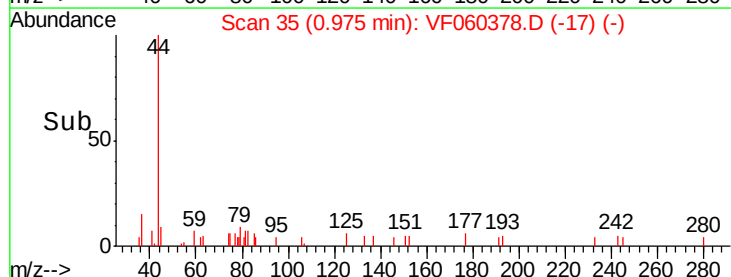
100

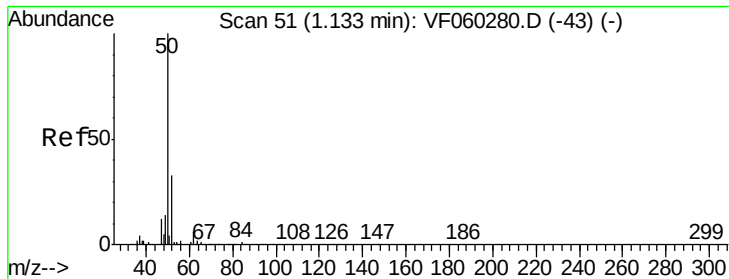
50

0

0.96 0.98 1.00

Time-->





#3

Chloromethane

Concen: 257.984 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.05 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

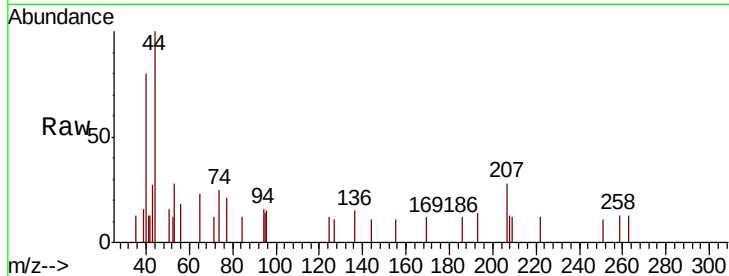
TR-04-092818

Tot Ion: 50 Resp: 225

Ion Ratio Lower Upper

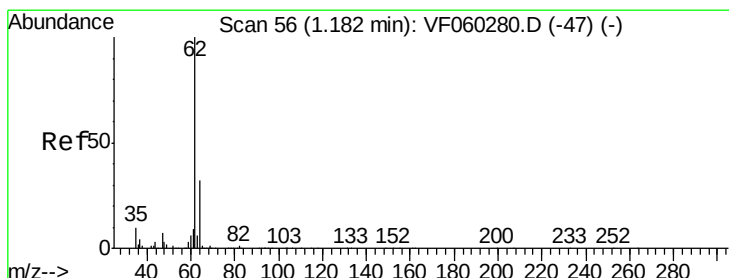
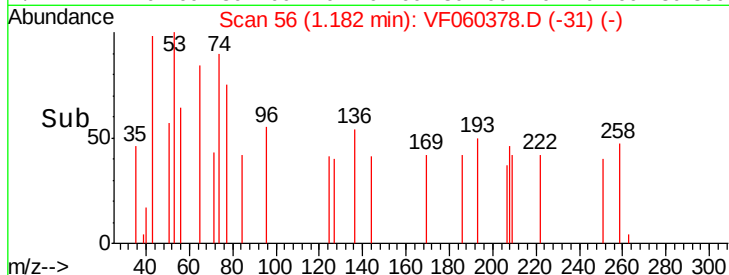
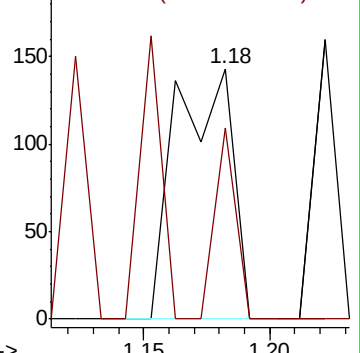
50 100

52 76.2 26.5 39.7#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 169.885 ug/l

RT: 1.16 min Scan# 54

Delta R.T. -0.02 min

Lab File: VF060378.D

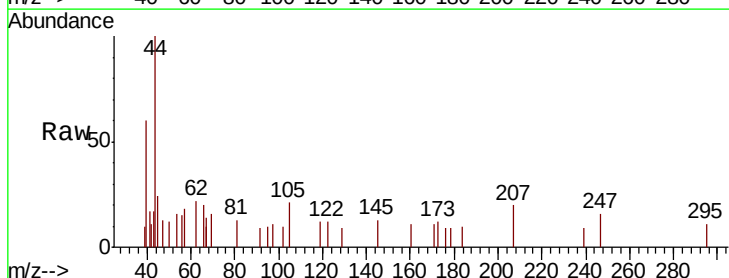
Acq: 28 Sep 2018 20:22

Tgt Ion: 62 Resp: 151

Ion Ratio Lower Upper

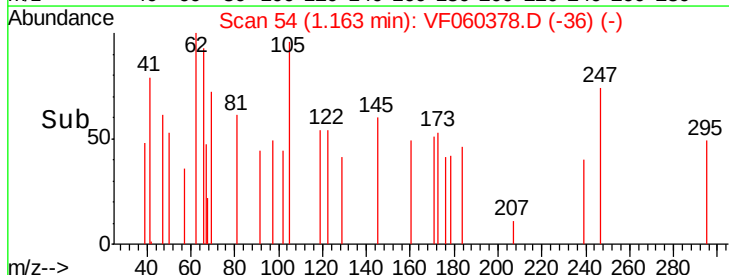
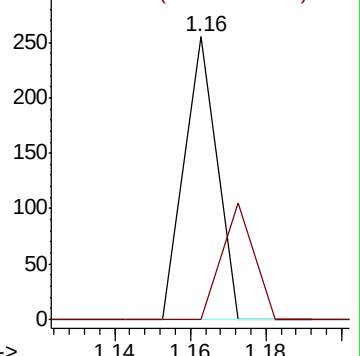
62 100

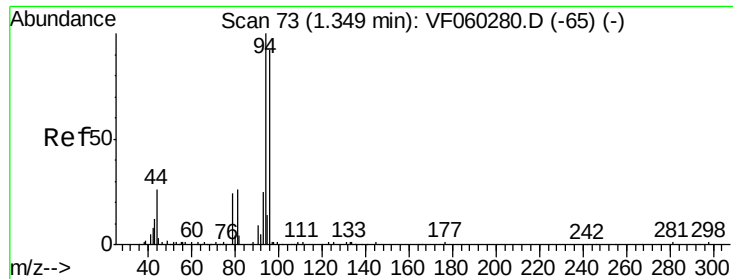
64 0.0 25.2 37.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 184.398 ug/l

RT: 1.18 min Scan# 56

Delta R.T. -0.17 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

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ClientSampleId :

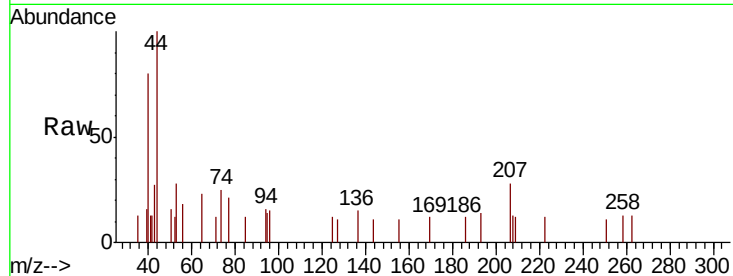
TR-04-092818

Tot Ion: 94 Resp: 83

Ion Ratio Lower Upper

94 100

96 98.6 73.9 110.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.18

150

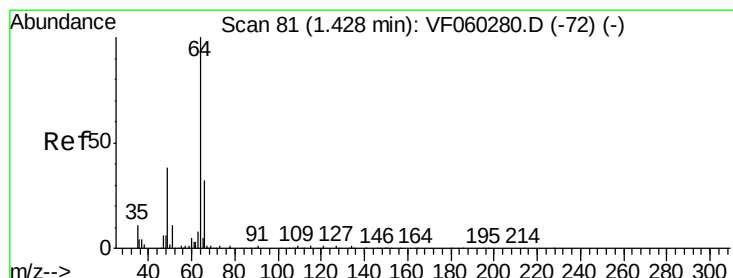
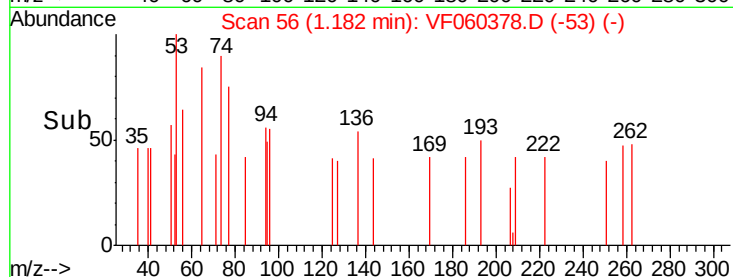
100

50

0

1.16 1.18 1.20

Time-->



#6

Chloroethane

Concen: 328.366 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060378.D

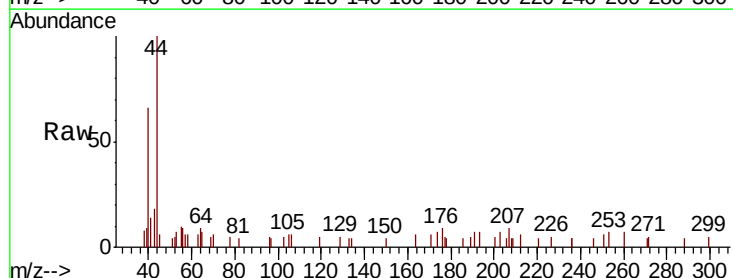
Acq: 28 Sep 2018 20:22

Tgt Ion: 64 Resp: 139

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.2#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.43

250

200

150

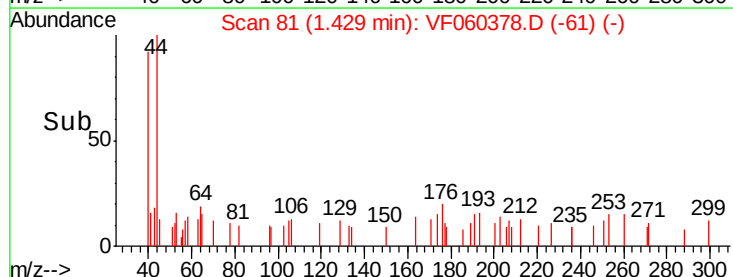
100

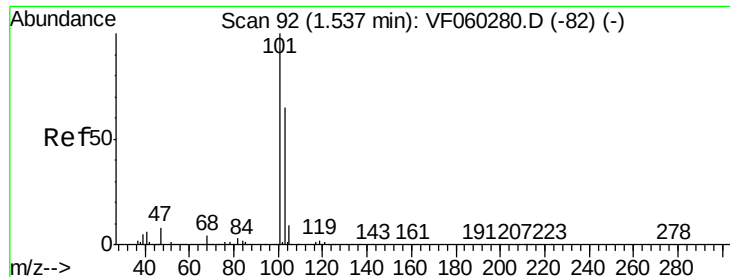
50

0

1.40 1.42 1.44 1.46

Time-->





#7

Trichlorofluoromethane

Concen: 85.149 ug/l

RT: 1.54 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

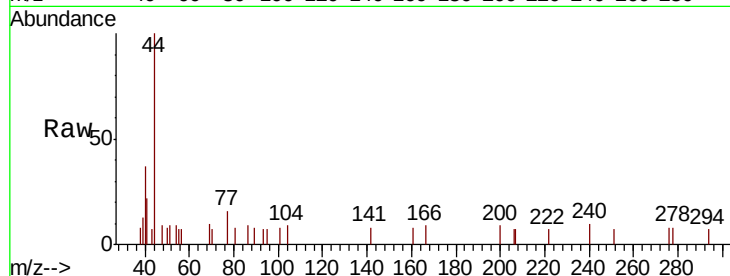
TR-04-092818

Tot Ion:101 Resp: 141

Ion Ratio Lower Upper

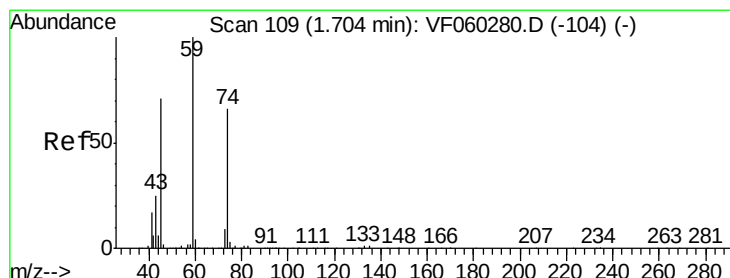
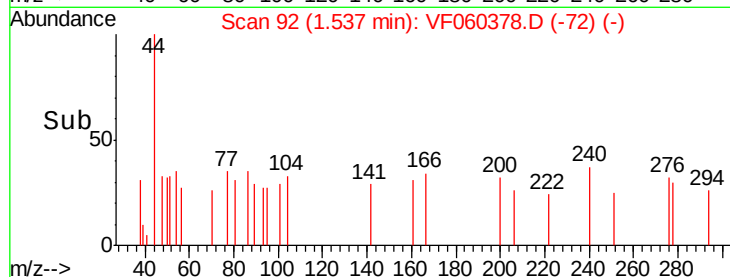
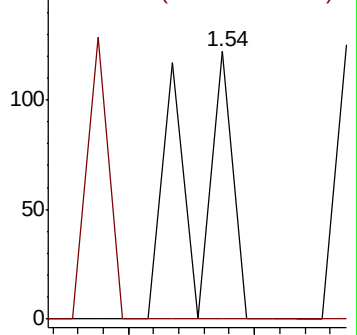
101 100

103 0.0 52.0 78.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 580.759 ug/l

RT: 1.70 min Scan# 109

Delta R.T. 0.00 min

Lab File: VF060378.D

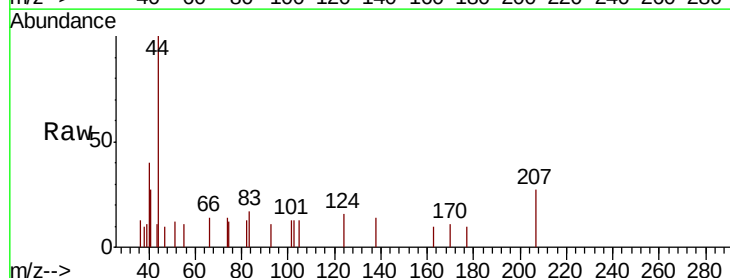
Acq: 28 Sep 2018 20:22

Tgt Ion: 74 Resp: 160

Ion Ratio Lower Upper

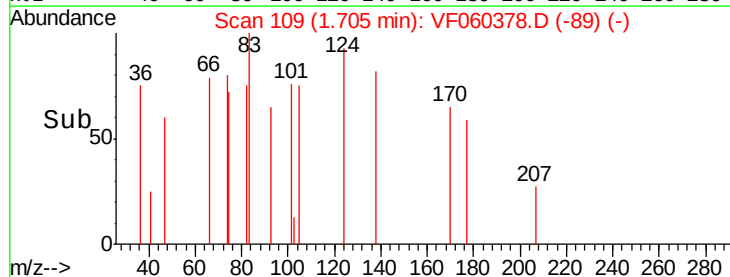
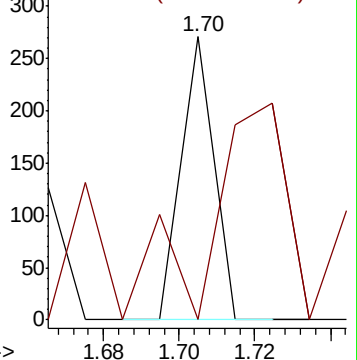
74 100

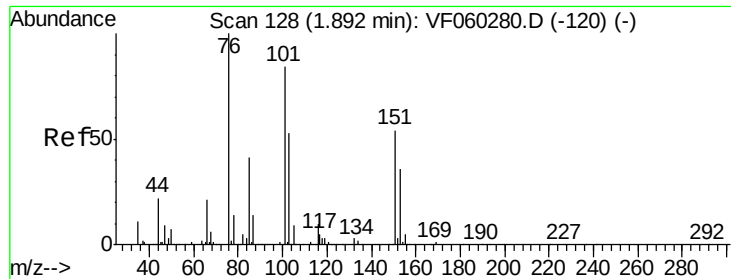
45 0.0 53.9 161.7#



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: 160.108 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.06 min

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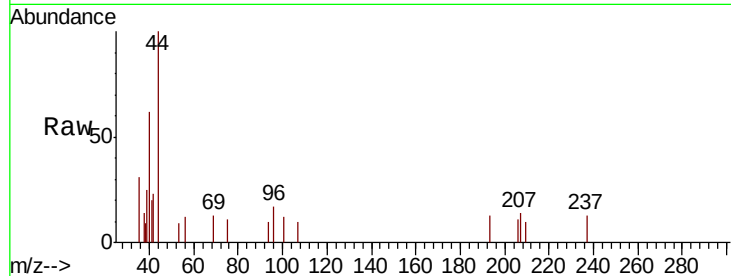
Tot Ion:101 Resp: 141

Ion Ratio Lower Upper

101 100

85 0.0 38.7 58.1#

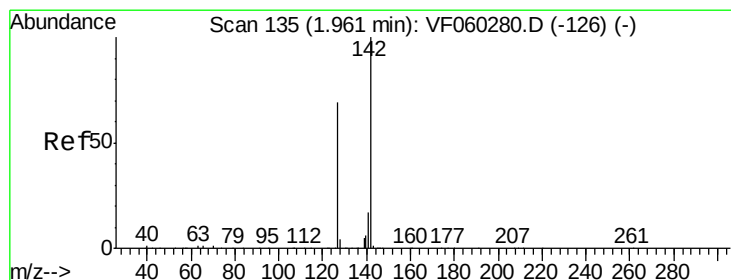
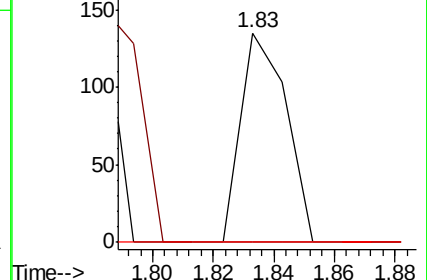
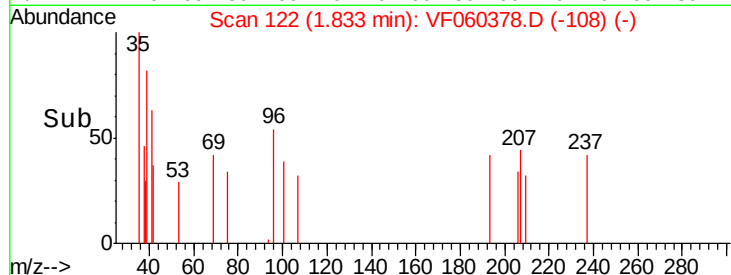
151 0.0 50.8 76.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 48.587 ug/l

RT: 1.93 min Scan# 132

Delta R.T. -0.03 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

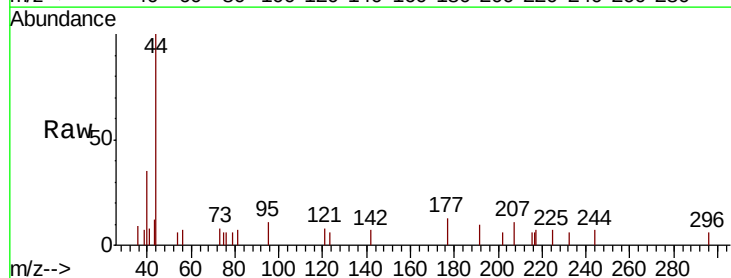
Tgt Ion:142 Resp: 69

Ion Ratio Lower Upper

142 100

127 0.0 55.4 83.0#

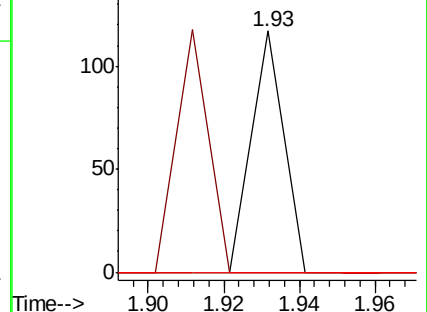
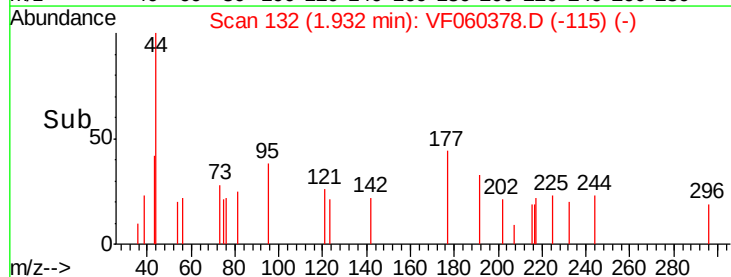
141 0.0 13.3 19.9#

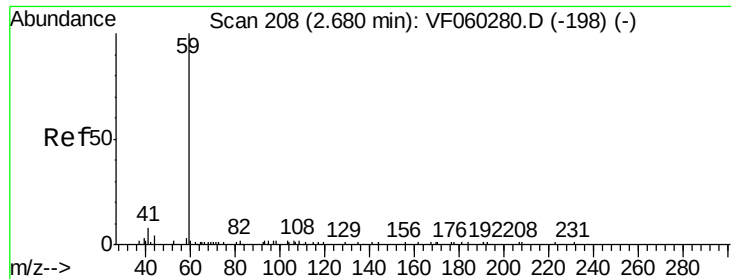


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

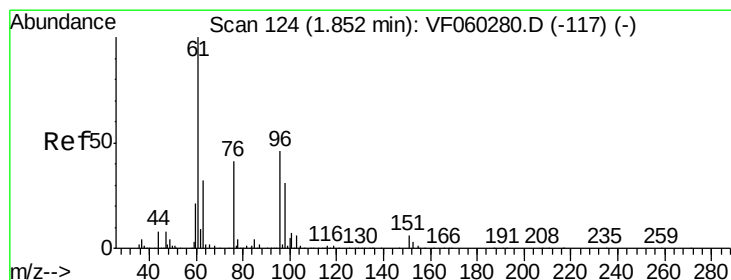
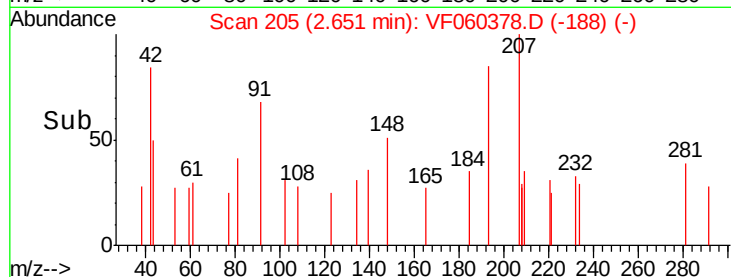
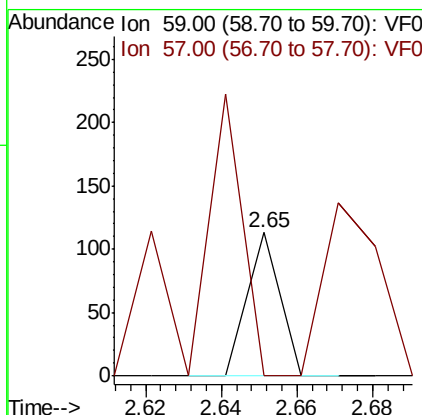
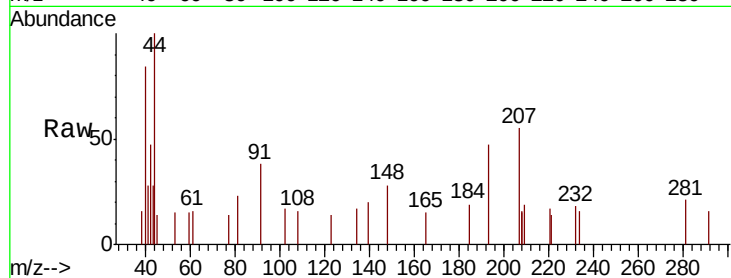




#11
Tert butyl alcohol
Concen: 1474.957 ug/l
RT: 2.65 min Scan# 205
Delta R.T. -0.03 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

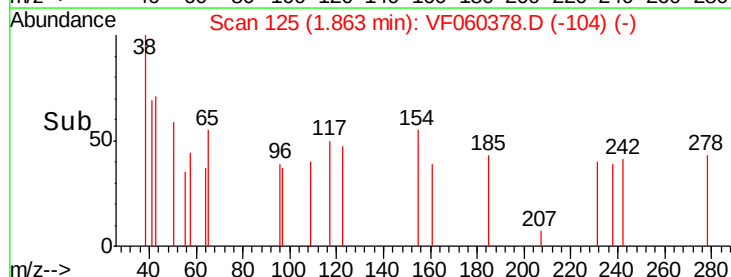
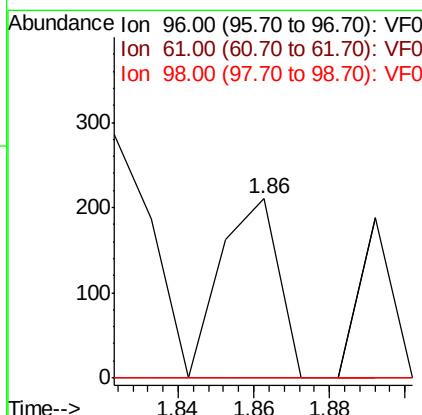
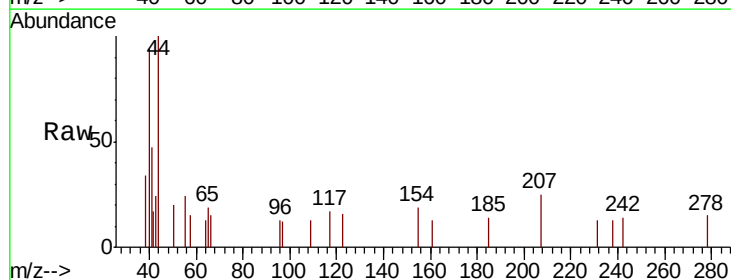
Instrument :
MSVOA_F
ClientSampled :
TR-04-092818

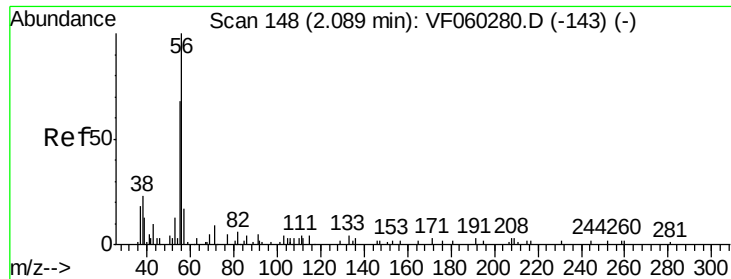
Tot Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 12.4 18.6#



#12
1,1-Dichloroethene
Concen: 303.442 ug/l
RT: 1.86 min Scan# 125
Delta R.T. 0.01 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

Tgt Ion: 96 Resp: 221
Ion Ratio Lower Upper
96 100
61 0.0 172.2 258.2#
98 0.0 54.1 81.1#

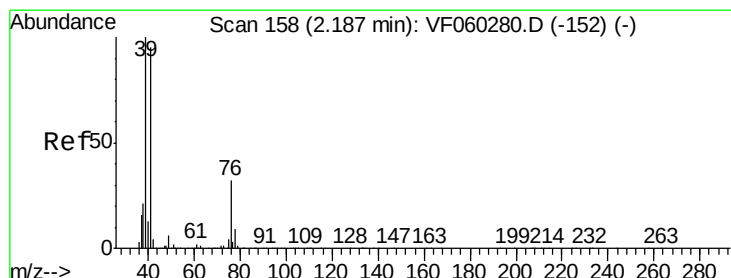
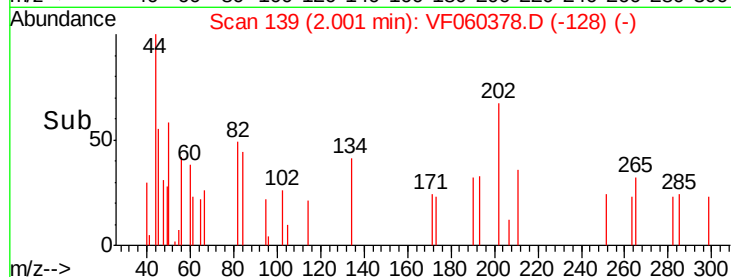
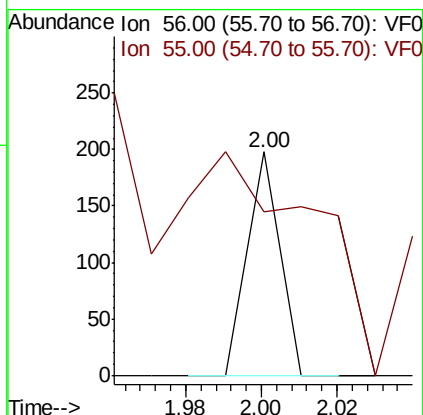
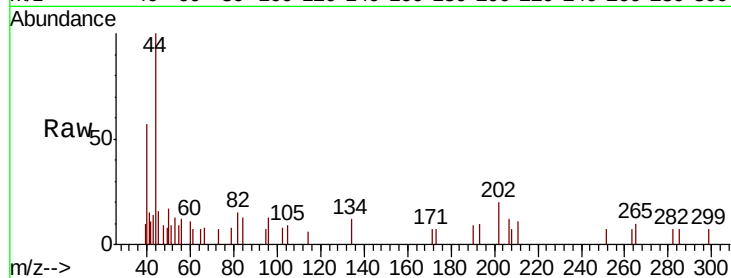




#13
Acrolein
Concen: 3221.258 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.09 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

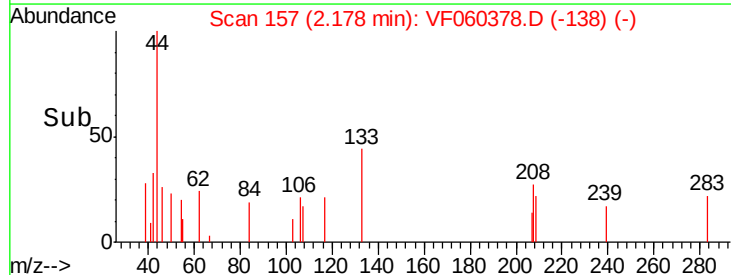
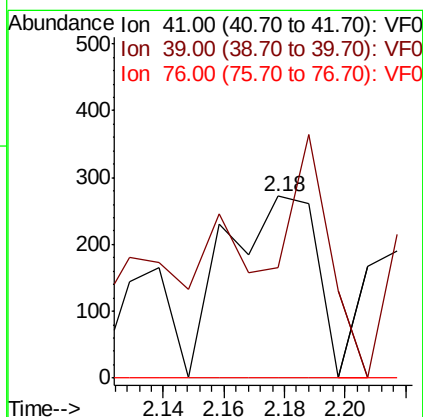
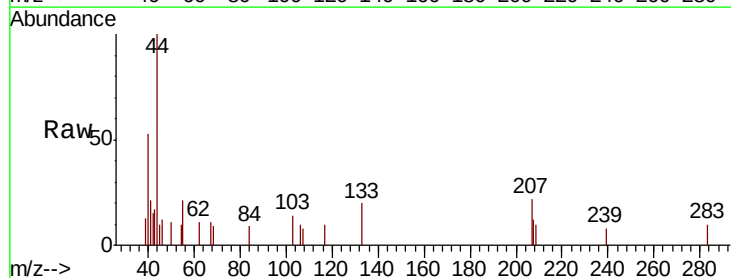
Instrument :
MSVOA_F
ClientSampleId :
TR-04-092818

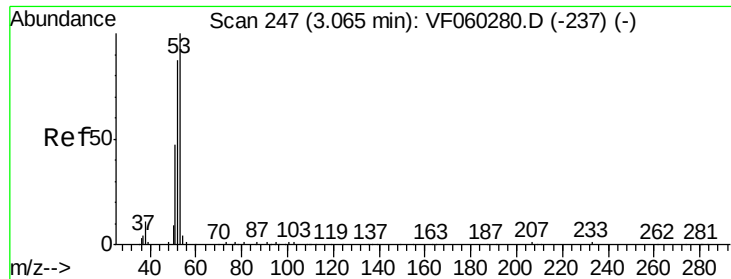
Tot Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
55 73.2 69.9 104.9



#14
Allyl chloride
Concen: 441.406 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

Tgt Ion: 41 Resp: 561
Ion Ratio Lower Upper
41 100
39 60.7 84.8 127.2#
76 0.0 27.4 41.2#





#15

Acrylonitrile

Concen: 542.261 ug/l

RT: 3.00 min Scan# 240

Delta R.T. -0.07 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

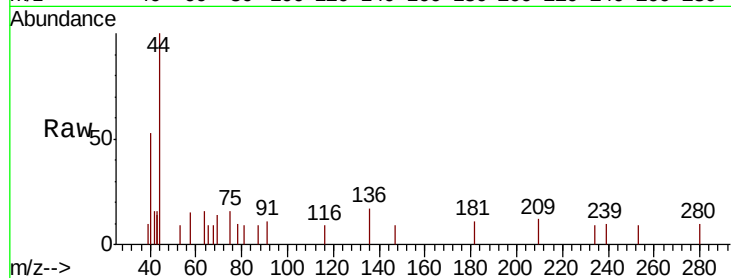
Tot Ion: 53 Resp: 66

Ion Ratio Lower Upper

53 100

52 0.0 69.5 104.3#

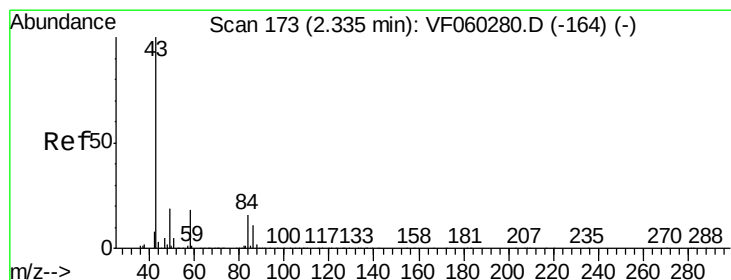
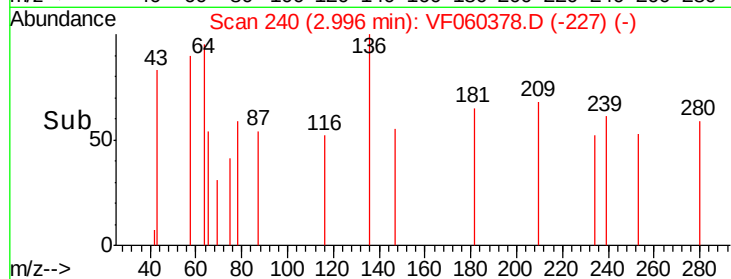
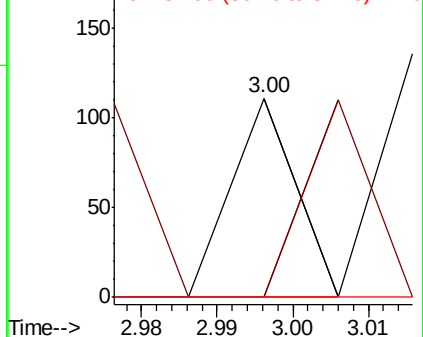
51 0.0 38.1 57.1#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 2645.284 ug/l

RT: 2.32 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF060378.D

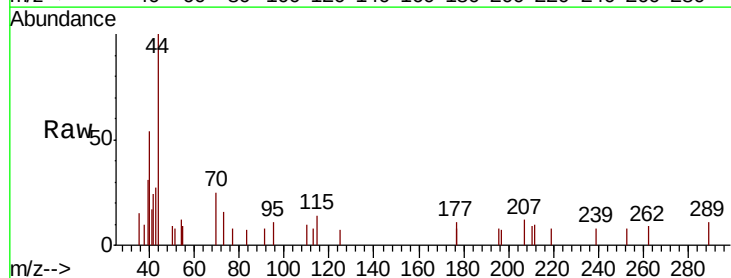
Acq: 28 Sep 2018 20:22

Tgt Ion: 43 Resp: 642

Ion Ratio Lower Upper

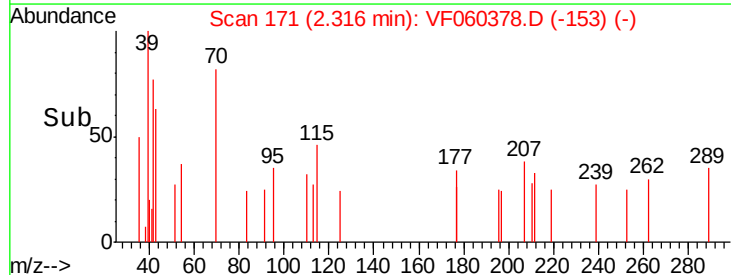
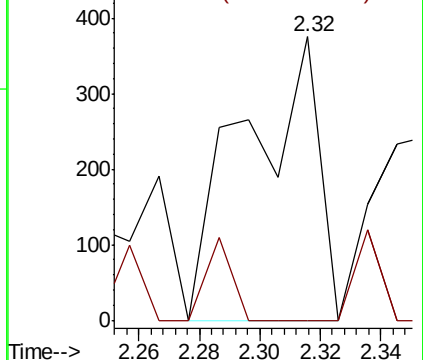
43 100

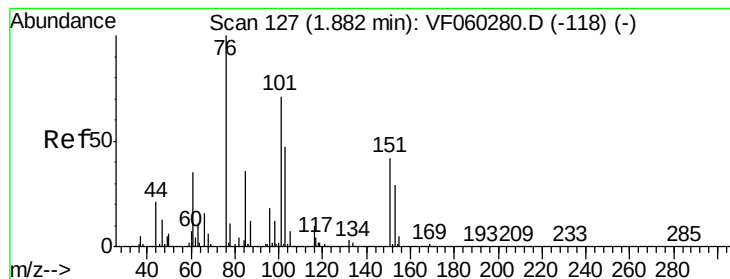
58 0.0 14.5 21.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 34.458 ug/l

RT: 1.93 min Scan# 132

Delta R.T. 0.05 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

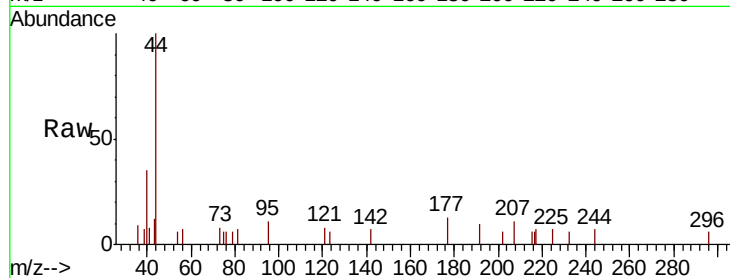
TR-04-092818

Tot Ion: 76 Resp: 67

Ion Ratio Lower Upper

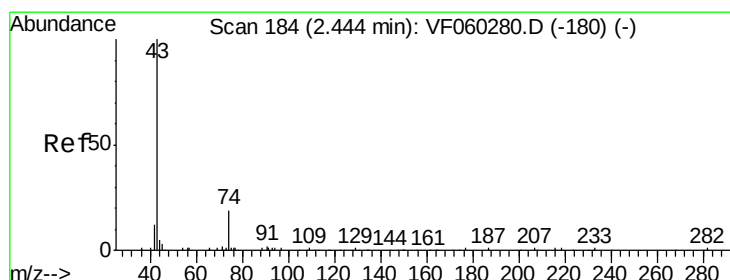
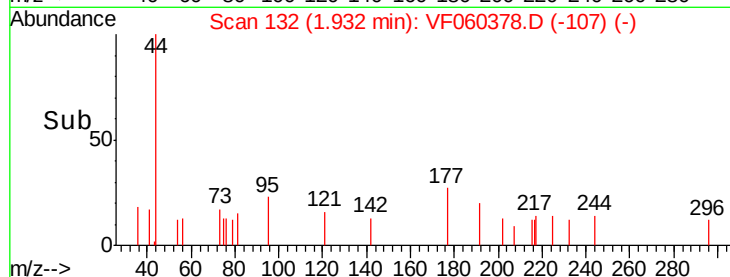
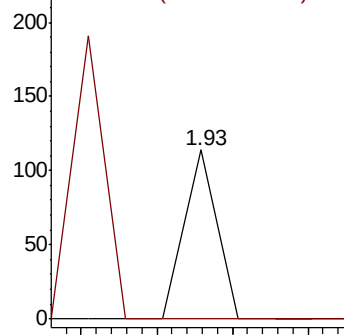
76 100

78 0.0 9.4 14.0#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 1073.432 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.03 min

Lab File: VF060378.D

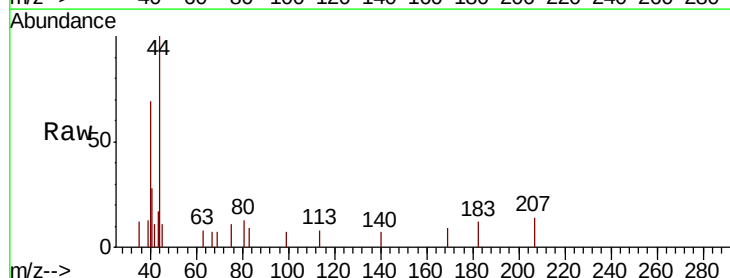
Acq: 28 Sep 2018 20:22

Tgt Ion: 43 Resp: 434

Ion Ratio Lower Upper

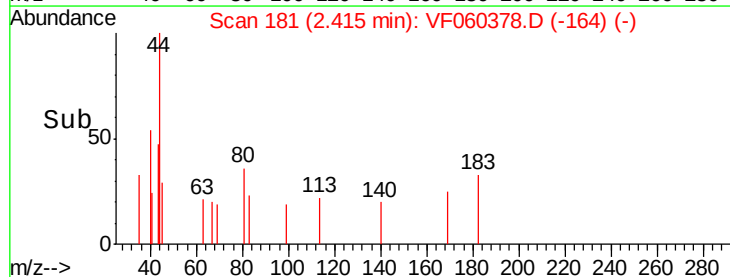
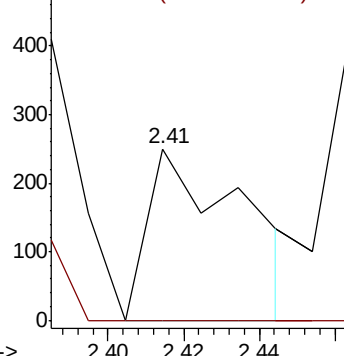
43 100

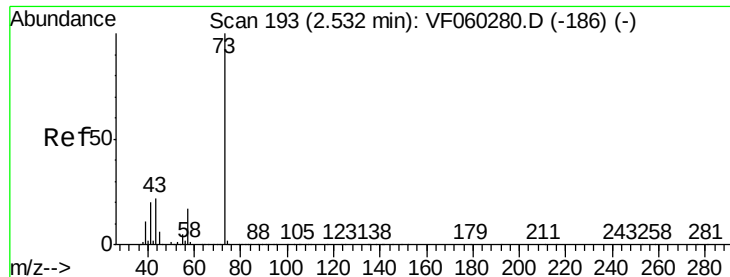
74 0.0 12.7 19.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



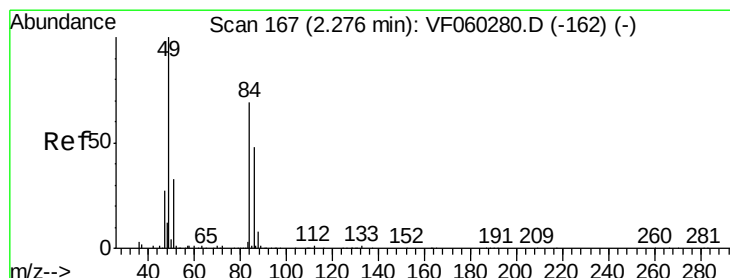
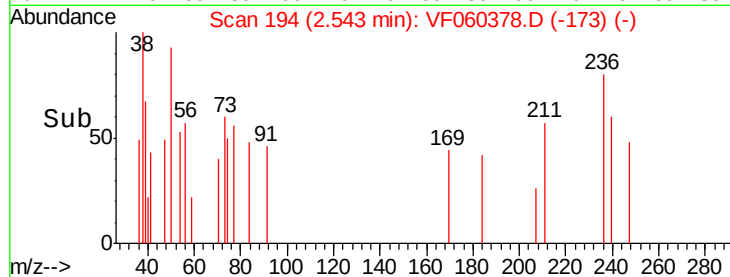
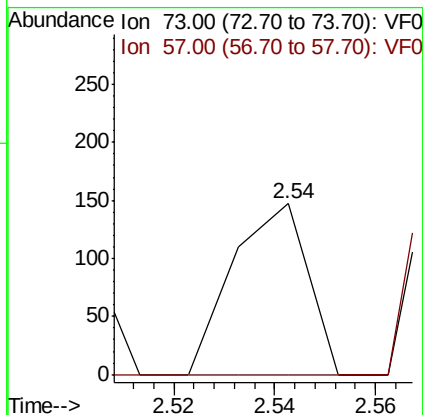
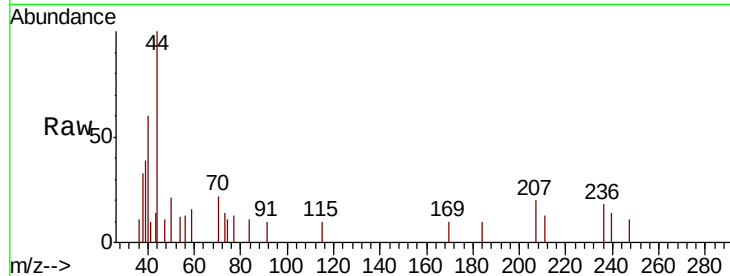


#19

Methyl tert-butyl Ether
 Concen: 83.717 ug/l
 RT: 2.54 min Scan# 194
 Delta R.T. 0.01 min
 Lab File: VF060378.D
 Acq: 28 Sep 2018 20:22

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-092818

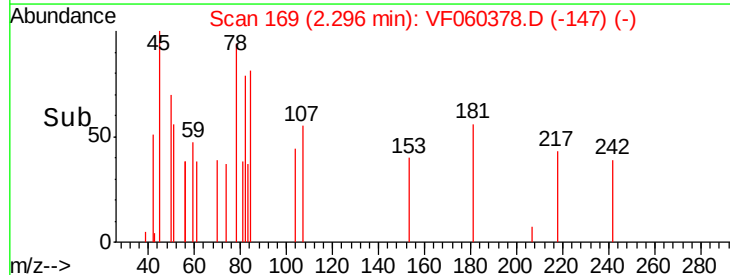
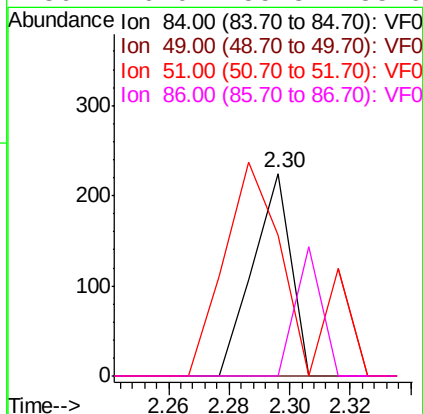
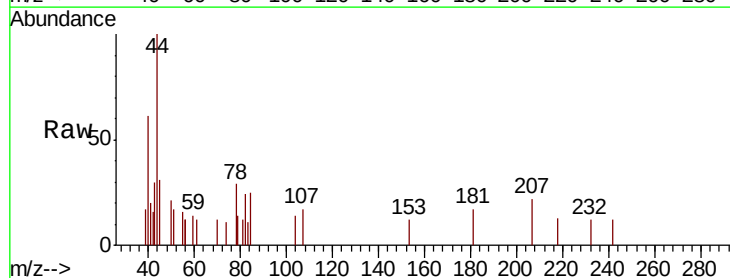
Tot Ion: 73 Resp: 152
 Ion Ratio Lower Upper
 73 100
 57 0.0 14.5 21.7#

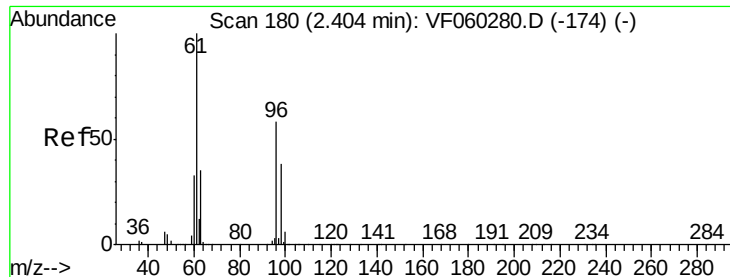


#20

Methylene Chloride
 Concen: 342.479 ug/l
 RT: 2.30 min Scan# 169
 Delta R.T. 0.02 min
 Lab File: VF060378.D
 Acq: 28 Sep 2018 20:22

Tgt Ion: 84 Resp: 196
 Ion Ratio Lower Upper
 84 100
 49 0.0 118.3 177.5#
 51 69.3 38.7 58.1#
 86 0.0 55.8 83.6#





#21

trans-1,2-Dichloroethene

Concen: 183.456 ug/l

RT: 2.39 min Scan# 179

Delta R.T. -0.01 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

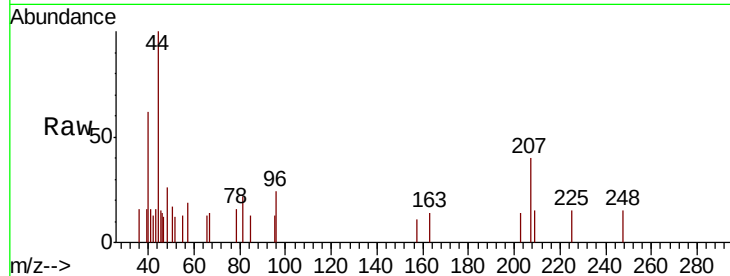
Tot Ion: 96 Resp: 138

Ion Ratio Lower Upper

96 100

61 0.0 136.4 204.6#

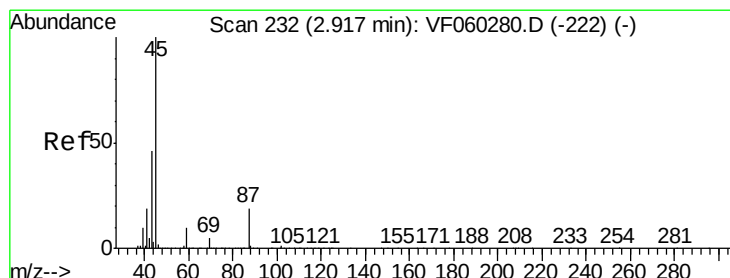
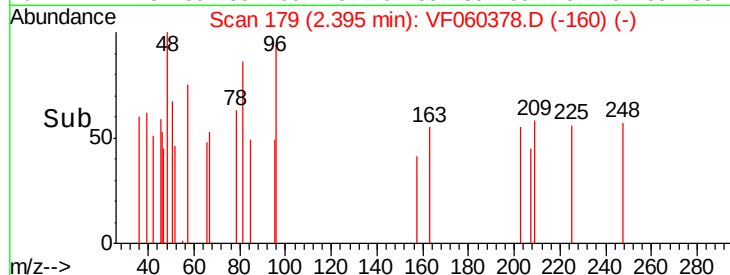
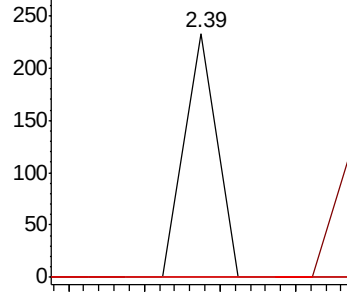
98 0.0 51.8 77.6#



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: 92.580 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.05 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Tgt Ion: 45 Resp: 222

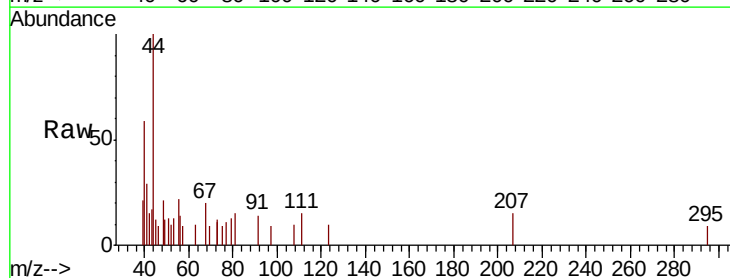
Ion Ratio Lower Upper

45 100

43 140.3 38.2 57.2#

87 0.0 15.5 23.3#

59 0.0 7.7 11.5#

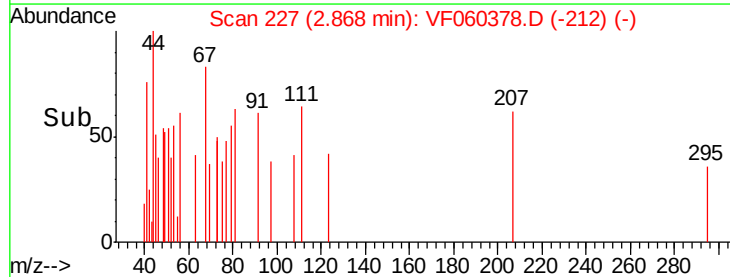
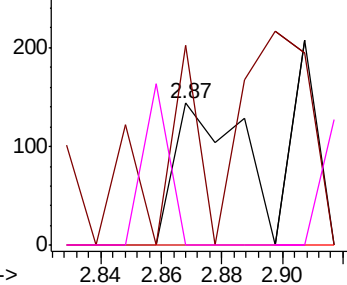


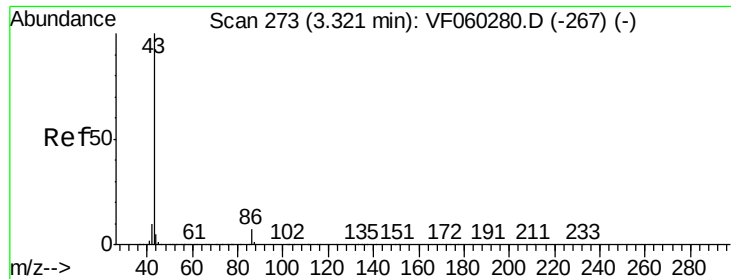
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 994.913 ug/l

RT: 3.31 min Scan# 272

Delta R.T. -0.01 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

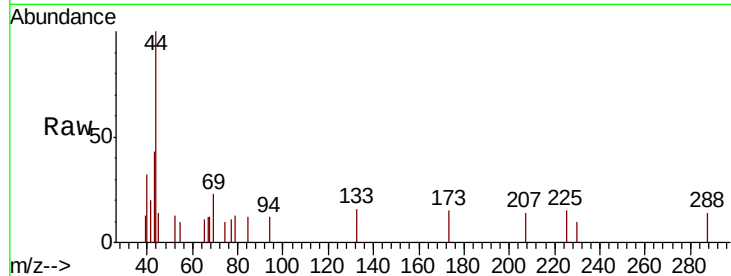
TR-04-092818

Tot Ion: 43 Resp: 937

Ion Ratio Lower Upper

43 100

86 0.0 5.9 8.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.31

400

300

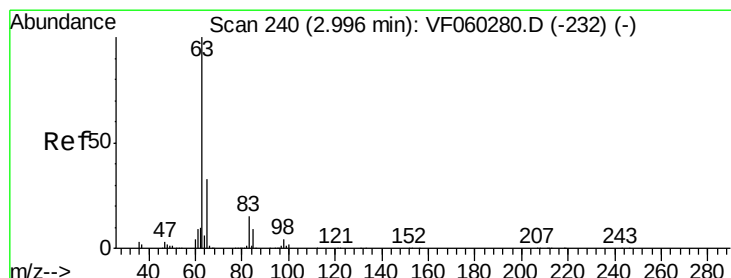
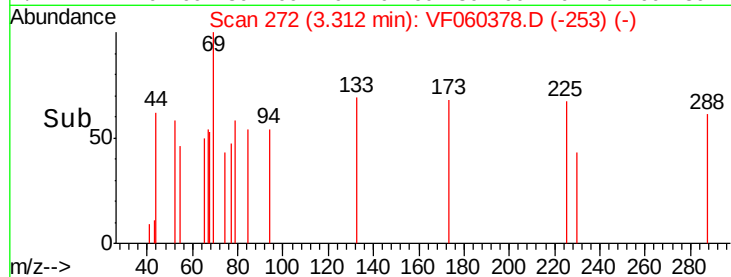
200

100

0

3.25 3.30 3.35

Time-->



#24

1,1-Dichloroethane

Concen: 72.662 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

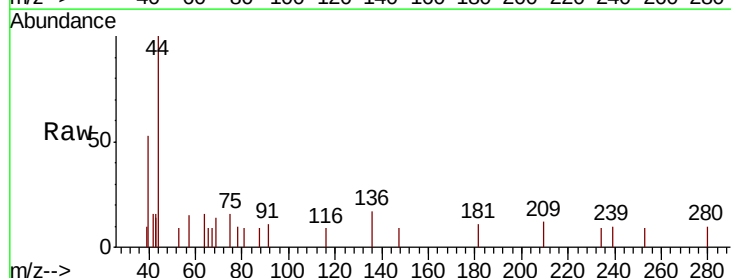
Tgt Ion: 63 Resp: 113

Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.5#

100 0.0 1.1 3.3#



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

250

200

150

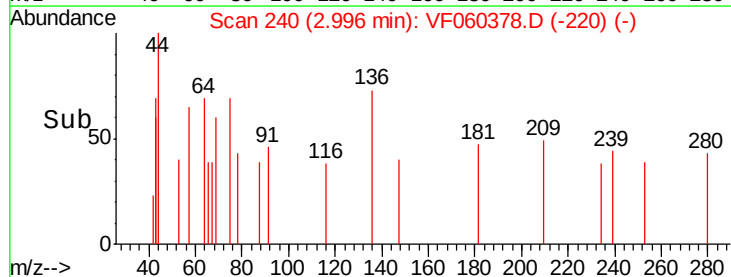
100

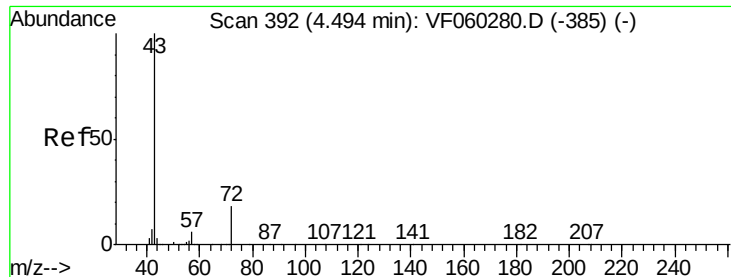
50

0

2.96 2.98 3.00 3.02

Time-->





#25

2-Butanone

Concen: 1806.119 ug/l

RT: 4.47 min Scan# 390

Delta R.T. -0.02 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

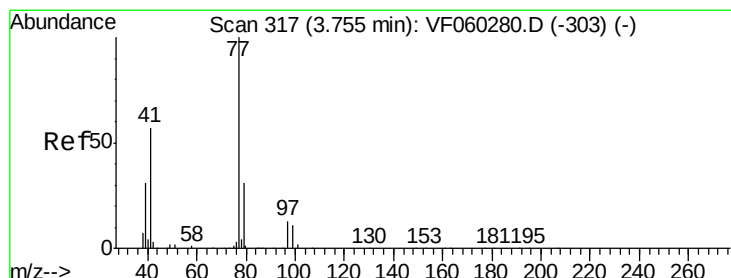
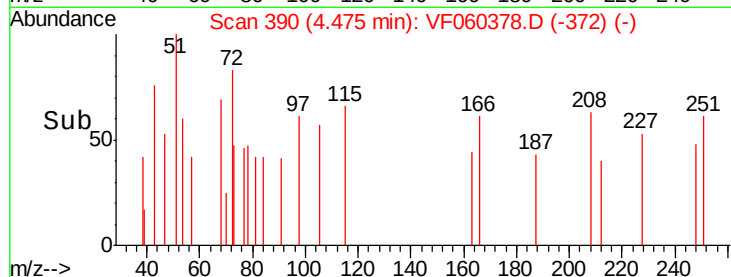
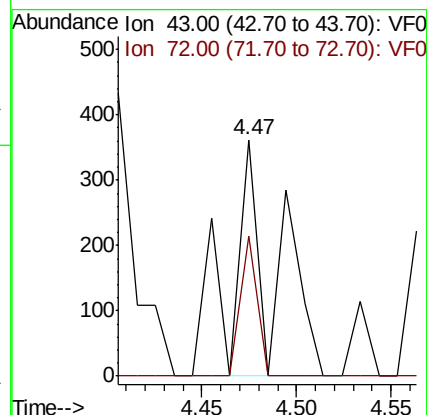
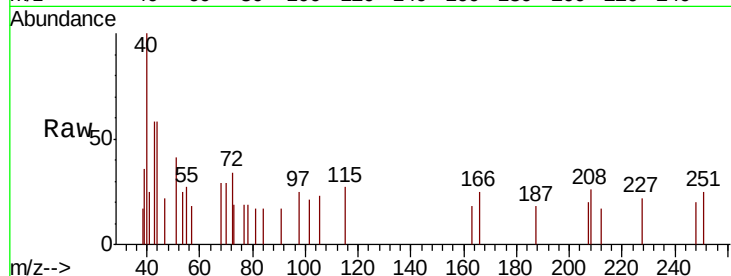
TR-04-092818

Tot Ion: 43 Resp: 590

Ion Ratio Lower Upper

43 100

72 59.4 16.2 24.2#



#26

2,2-Dichloropropane

Concen: 231.029 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060378.D

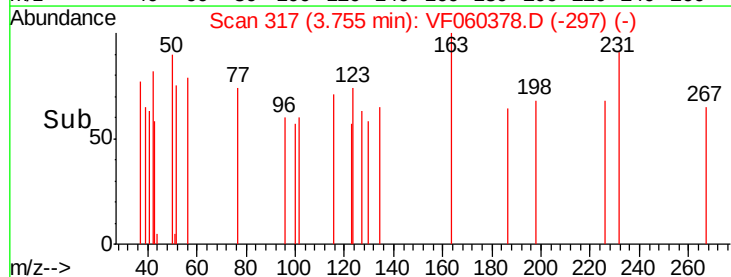
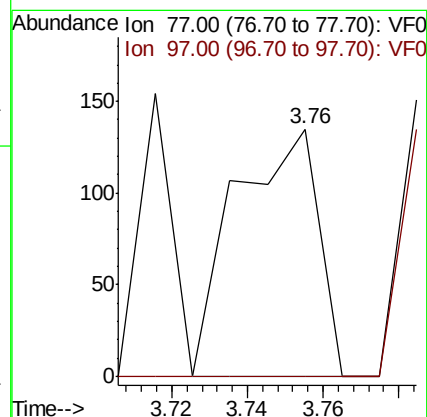
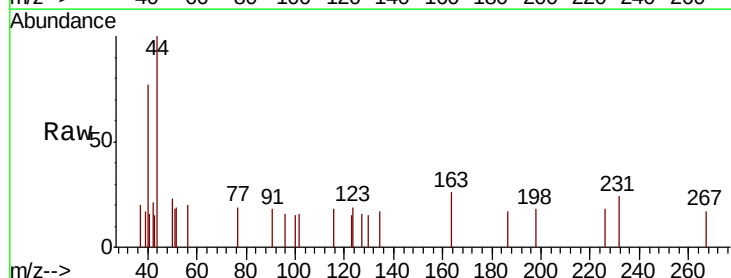
Acq: 28 Sep 2018 20:22

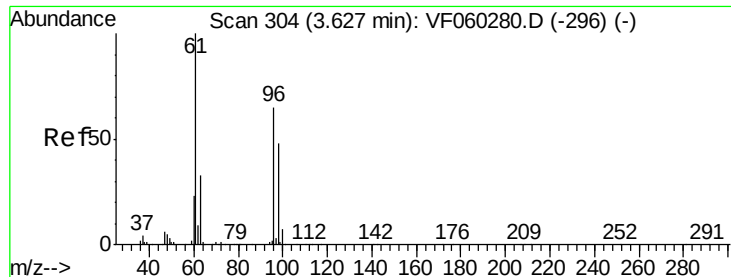
Tgt Ion: 77 Resp: 205

Ion Ratio Lower Upper

77 100

97 0.0 9.3 27.9#



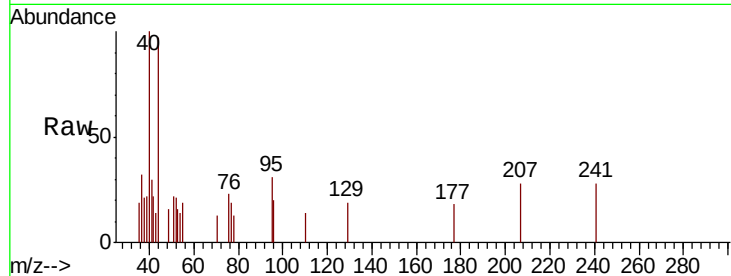


#27

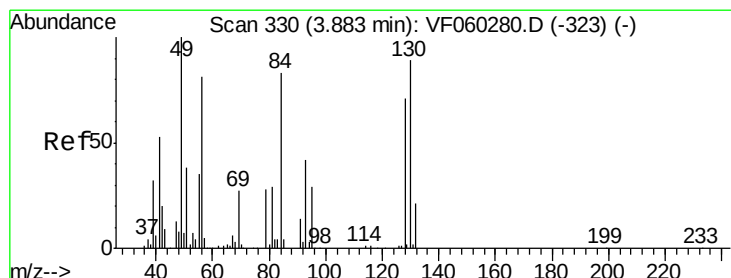
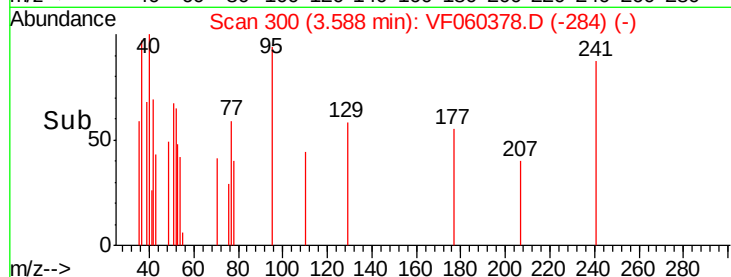
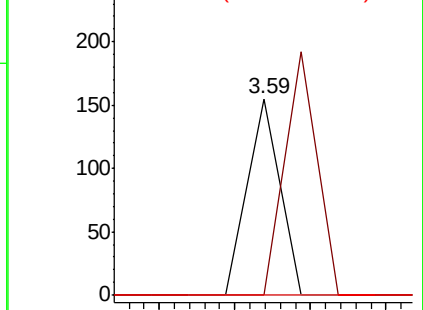
cis-1,2-Dichloroethene
 Concen: 93.096 ug/l
 RT: 3.59 min Scan# 300
 Delta R.T. -0.04 min
 Lab File: VF060378.D
 Acq: 28 Sep 2018 20:22

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-092818

Tot Ion:	96	Resp:	92
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	304.8
98	0.0	0.0	146.4



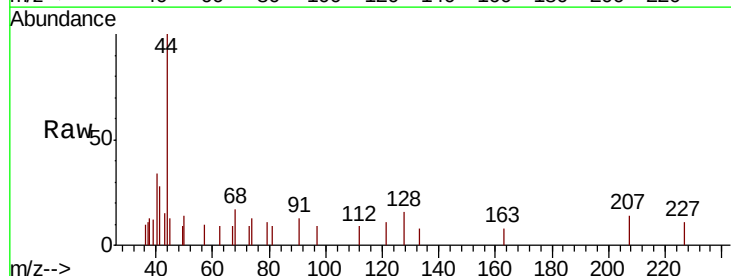
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



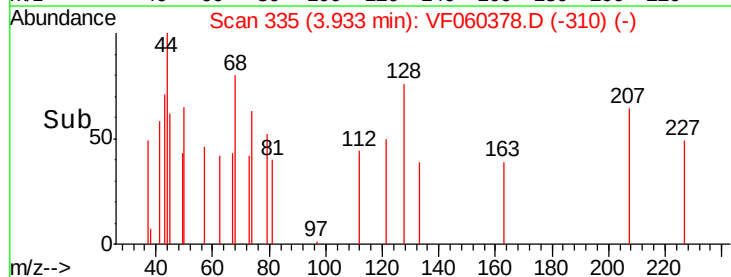
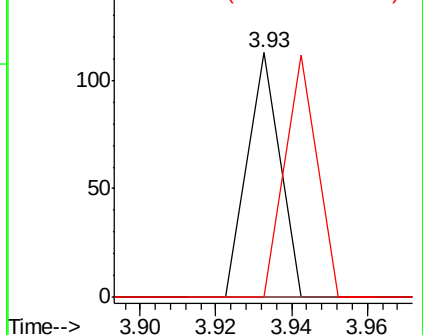
#28

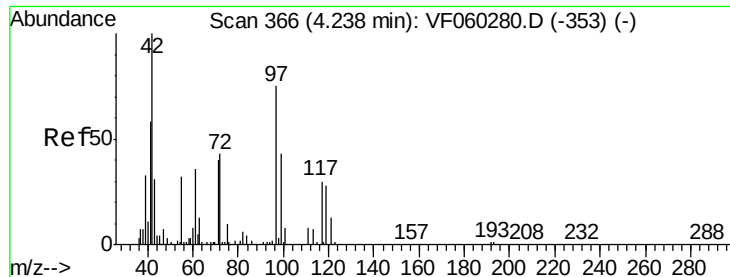
Bromochloromethane
 Concen: 110.658 ug/l
 RT: 3.93 min Scan# 335
 Delta R.T. 0.05 min
 Lab File: VF060378.D
 Acq: 28 Sep 2018 20:22

Tgt Ion:	49	Resp:	67
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	0.0	70.3	105.5#



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: 827.574 ug/l

RT: 4.21 min Scan# 363

Delta R.T. -0.03 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

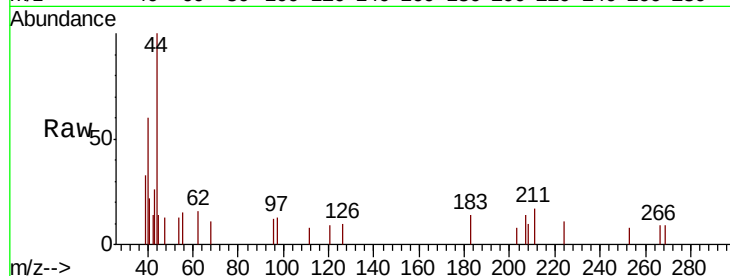
Tot Ion: 42 Resp: 99

Ion Ratio Lower Upper

42 100

72 78.8 32.6 49.0#

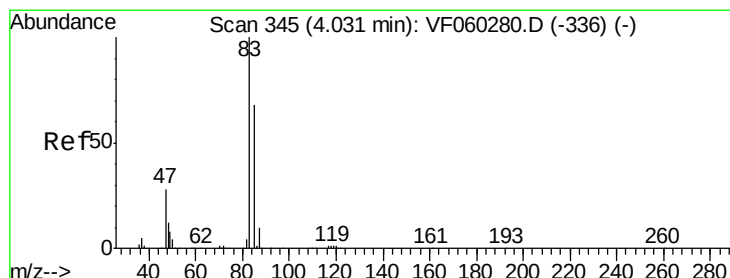
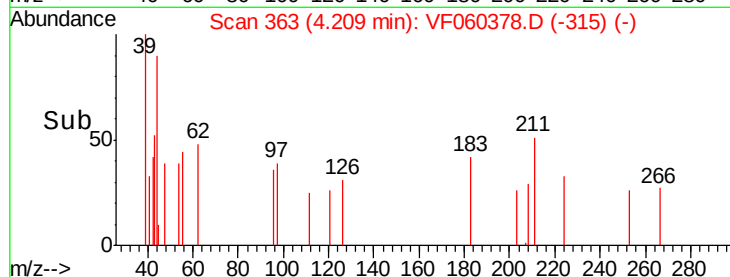
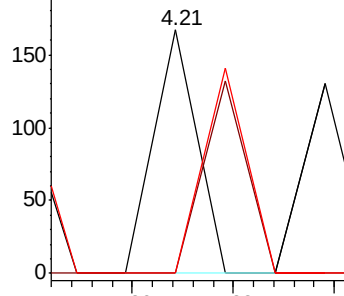
71 83.8 32.7 49.1#



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: 50.627 ug/l

RT: 4.00 min Scan# 342

Delta R.T. -0.03 min

Lab File: VF060378.D

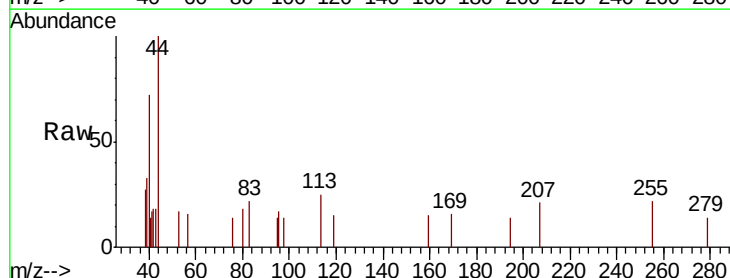
Acq: 28 Sep 2018 20:22

Tgt Ion: 83 Resp: 95

Ion Ratio Lower Upper

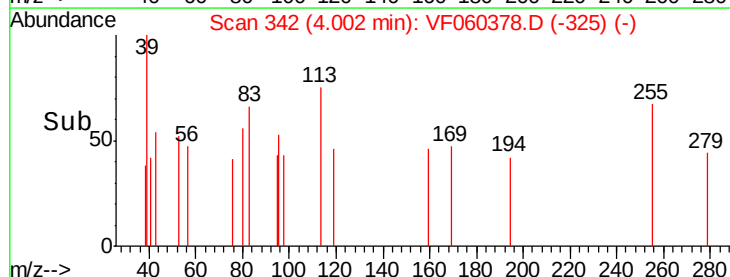
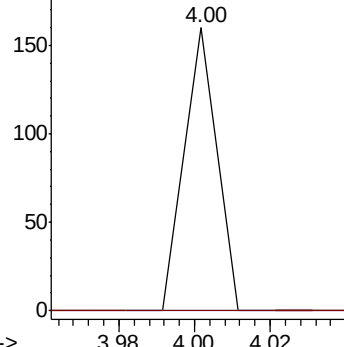
83 100

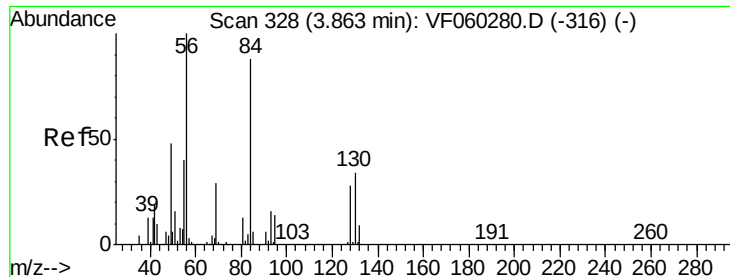
85 0.0 54.9 82.3#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

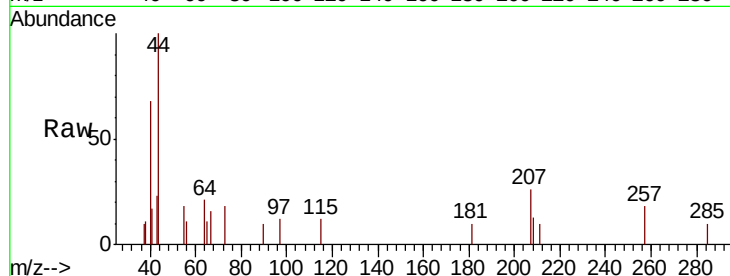




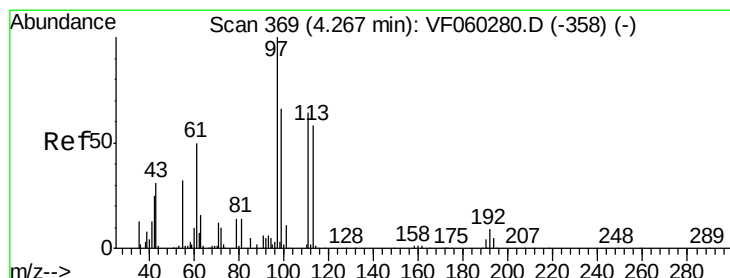
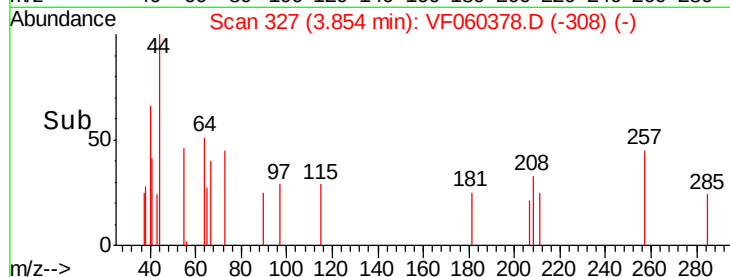
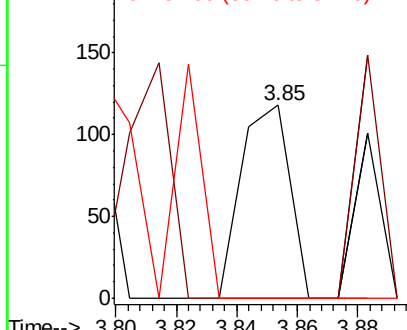
#31
Cyclohexane
Concen: 100.488 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

Instrument :
MSVOA_F
ClientSampleId :
TR-04-092818

Tot Ion	56	Ratio	Lower	Upper
132	100			
69	0.0	23.8	35.6#	
84	0.0	70.2	105.4#	

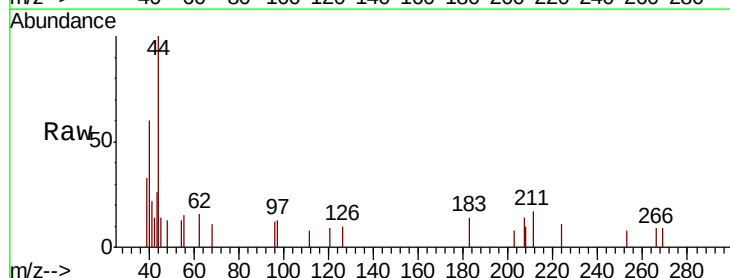


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

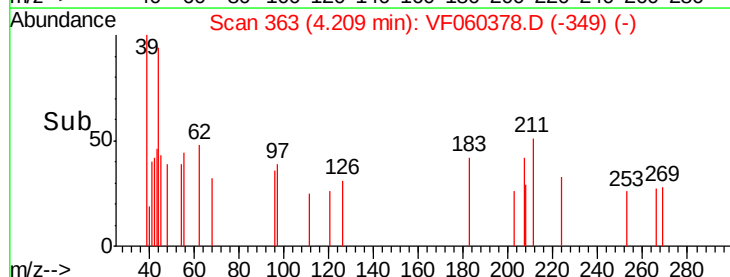
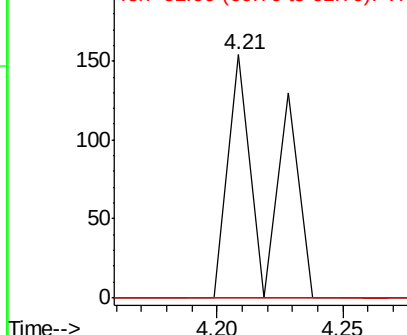


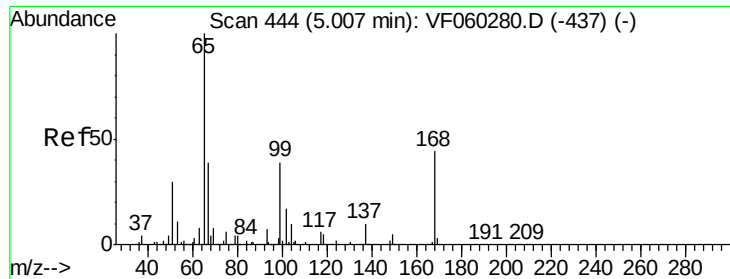
#32
1,1,1-Trichloroethane
Concen: 113.466 ug/l
RT: 4.21 min Scan# 363
Delta R.T. -0.06 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

Tgt Ion	97	Ratio	Lower	Upper
168	100			
99	0.0	53.0	79.4#	
61	0.0	40.6	61.0#	



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

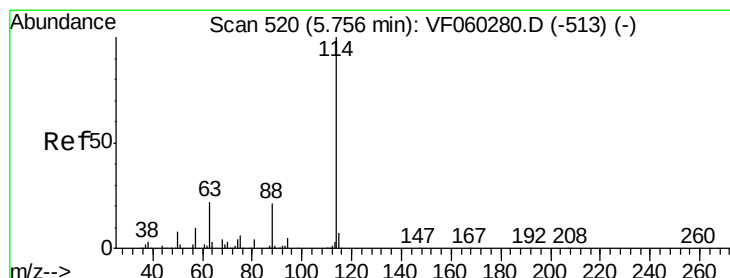
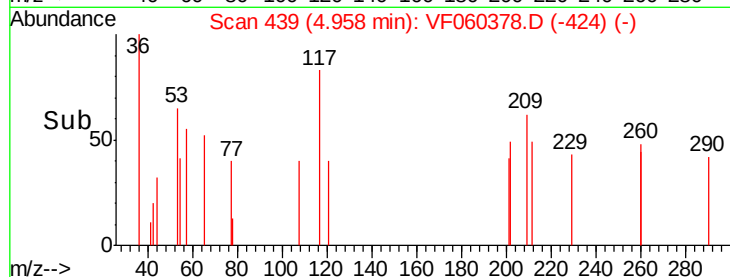
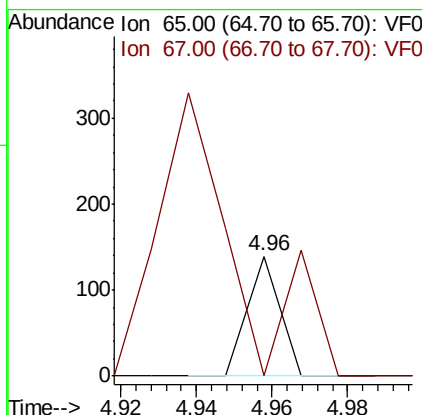
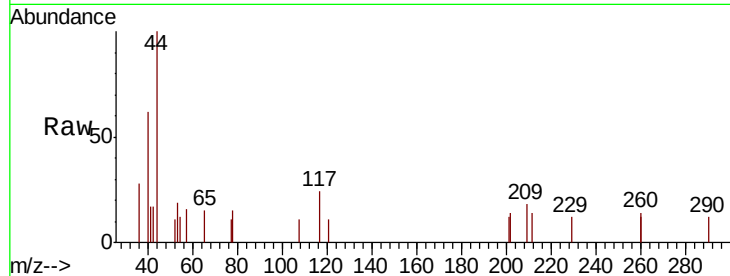




#33
 1,2-Dichloroethane-d4
 Concen: 95.152 ug/l
 RT: 4.96 min Scan# 439
 Delta R.T. -0.05 min
 Lab File: VF060378.D
 Acq: 28 Sep 2018 20:22

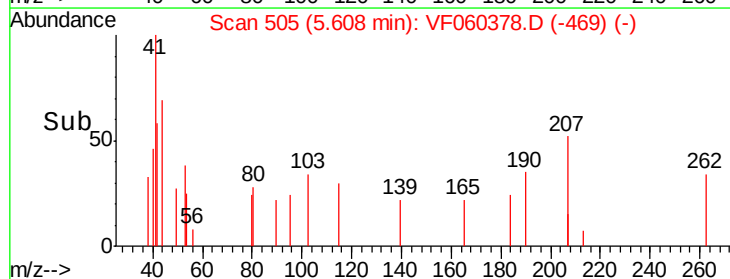
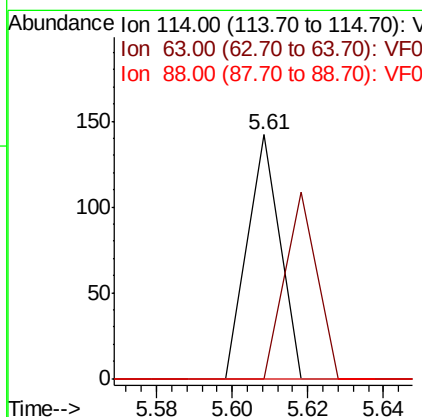
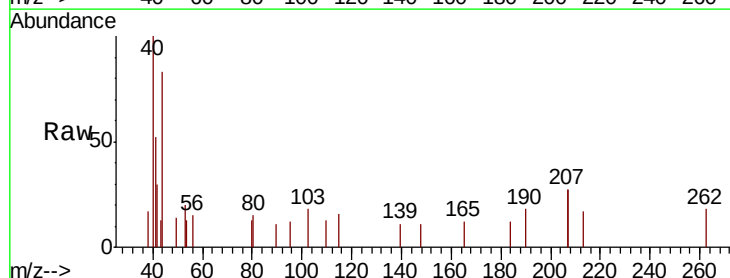
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-092818

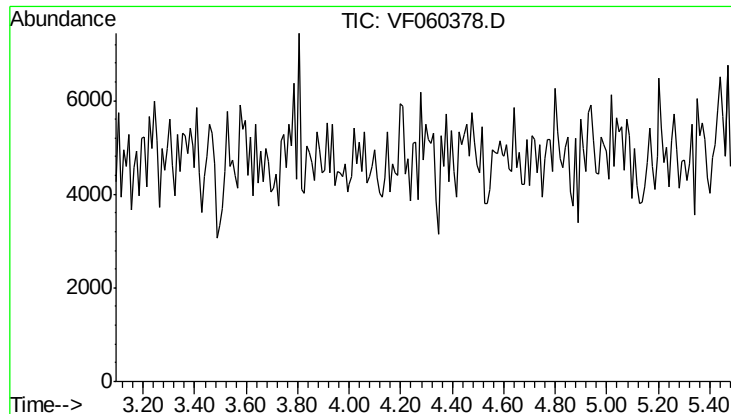
Tot Ion: 65 Resp: 82
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.15 min
 Lab File: VF060378.D
 Acq: 28 Sep 2018 20:22

Tgt Ion: 114 Resp: 84
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 43.8
 88 0.0 0.0 41.2



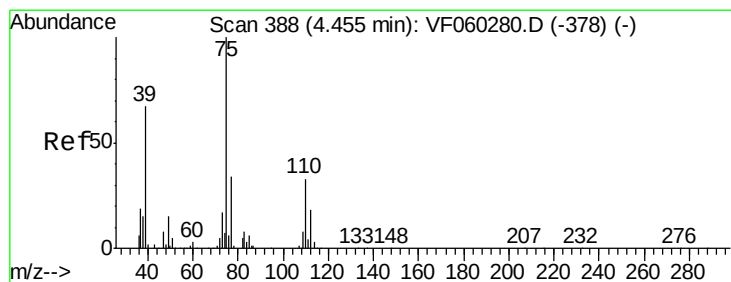
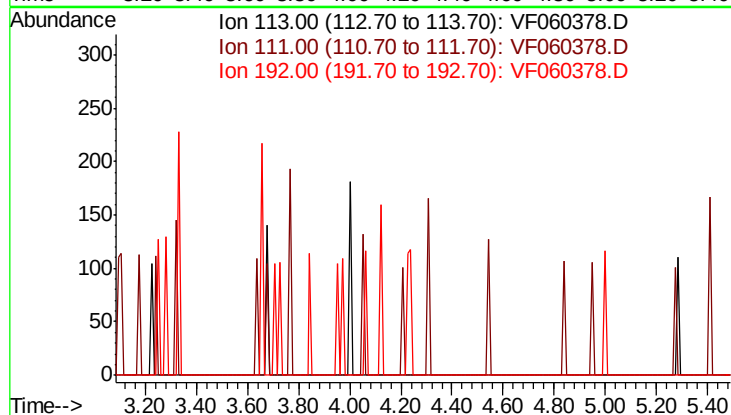


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.29 min

Lab File: VF060378.D
 Acq: 28 Sep 2018 20:22

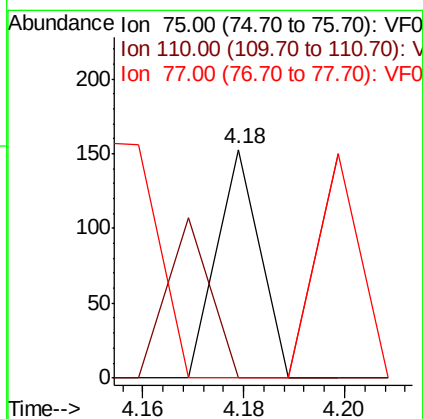
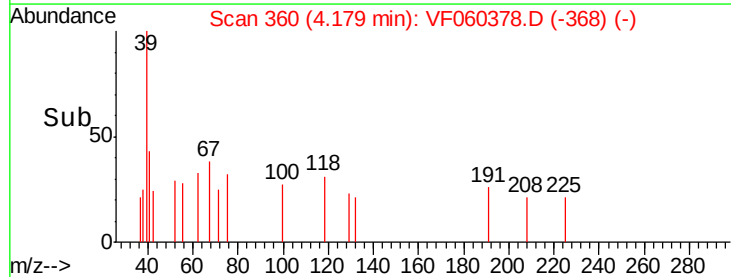
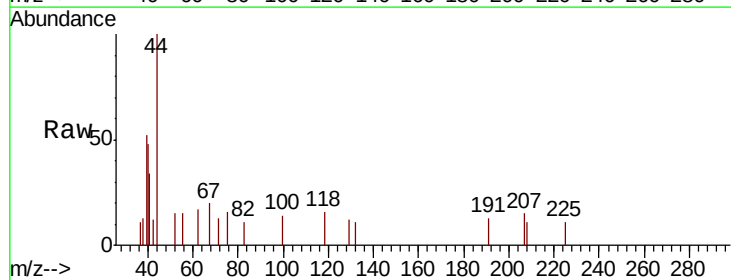
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-092818

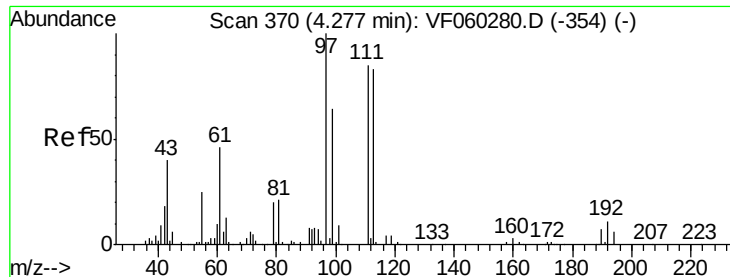
Tot Ion: 113
 Sig Exp Ratio
 113 100
 111 99.5
 192 16.3



#36
 1,1-Dichloropropene
 Concen: 85.896 ug/l
 RT: 4.18 min Scan# 360
 Delta R.T. -0.28 min
 Lab File: VF060378.D
 Acq: 28 Sep 2018 20:22

Tgt Ion: 75 Resp: 90
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.4 49.2#
 77 0.0 27.3 40.9#





#37

Ethyl Acetate

Concen: 1317.256 ug/l

RT: 4.22 min Scan# 364

Delta R.T. -0.06 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

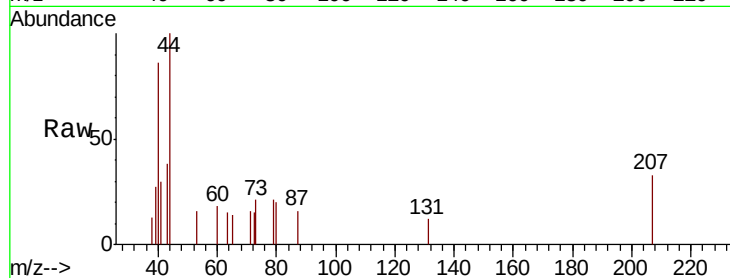
Tot Ion: 43 Resp: 584

Ion Ratio Lower Upper

43 100

61 0.0 91.1 136.7#

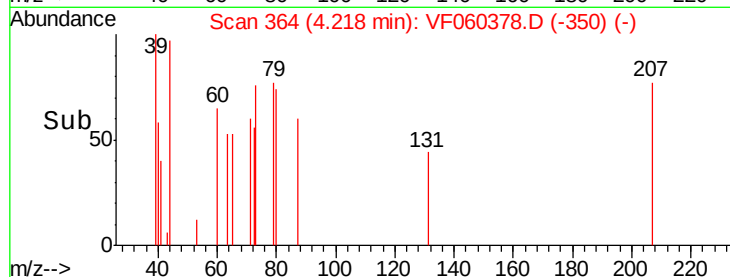
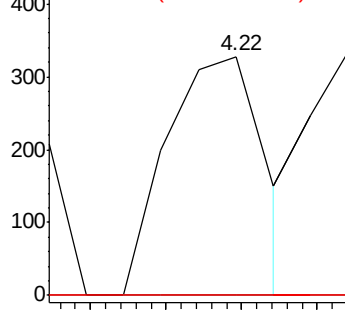
70 0.0 6.9 10.3#



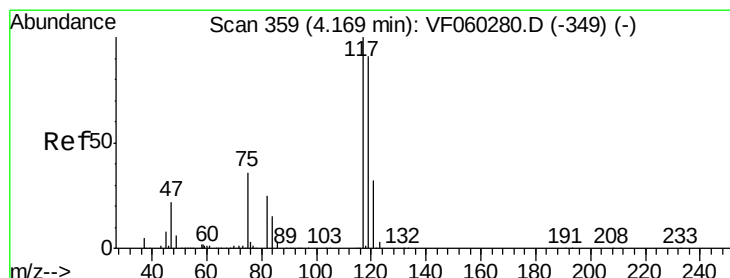
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



Time-->



#38

Carbon Tetrachloride

Concen: 79.081 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.02 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

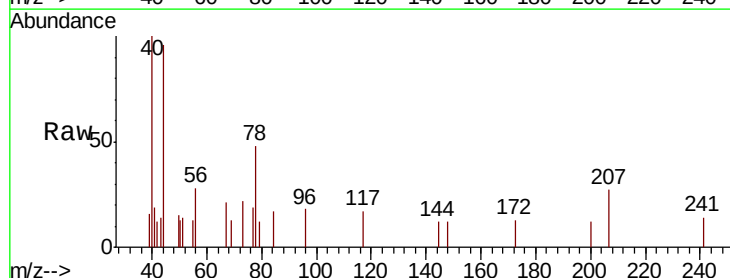
Tgt Ion: 117 Resp: 89

Ion Ratio Lower Upper

117 100

119 0.0 73.0 109.6#

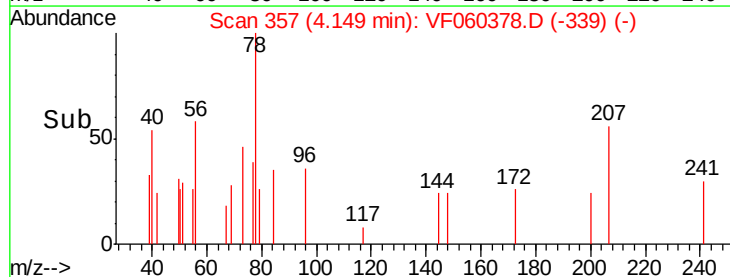
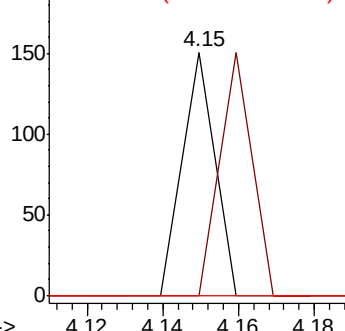
121 0.0 25.4 38.2#

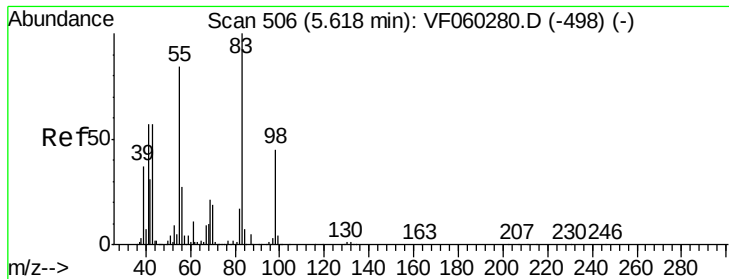


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#39

Methylvlcyclohexane

Concen: 77.493 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.14 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

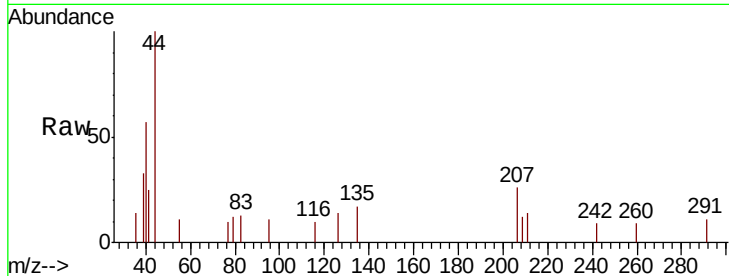
Tot Ion: 83 Resp: 88

Ion Ratio Lower Upper

83 100

55 81.1 67.3 100.9

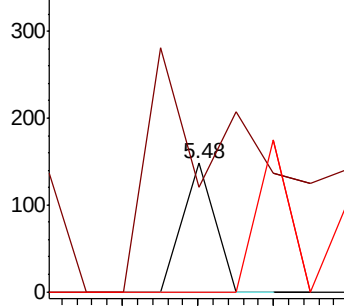
98 0.0 36.1 54.1#



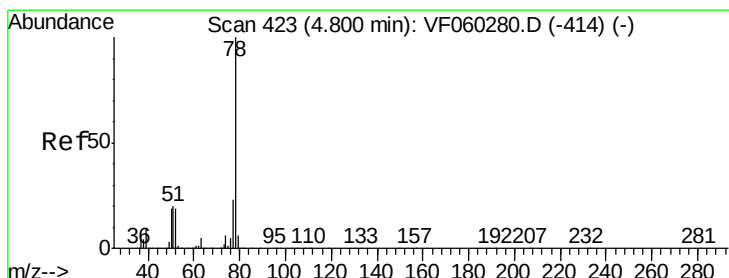
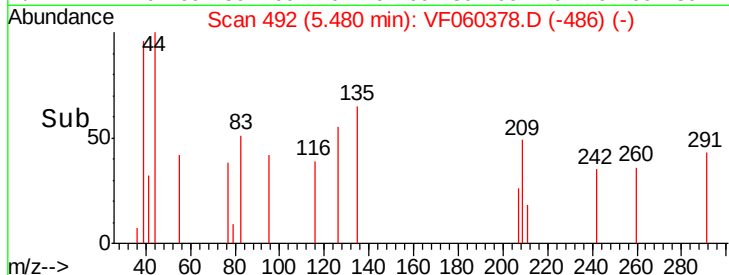
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->



#40

Benzene

Concen: 131.322 ug/l

RT: 4.63 min Scan# 406

Delta R.T. -0.17 min

Lab File: VF060378.D

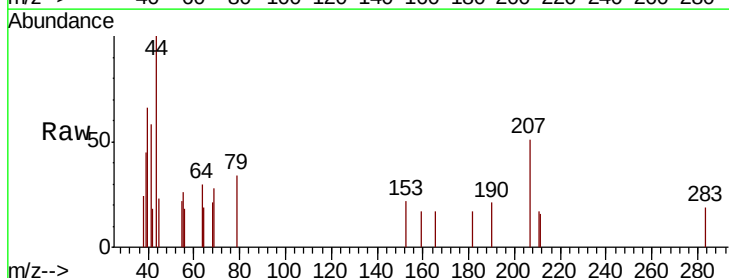
Acq: 28 Sep 2018 20:22

Tgt Ion: 78 Resp: 312

Ion Ratio Lower Upper

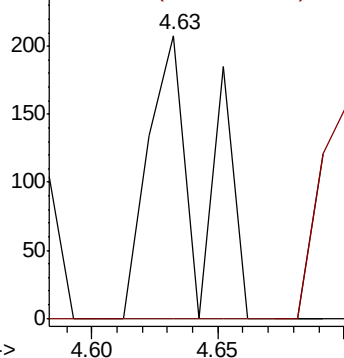
78 100

77 0.0 18.4 27.6#

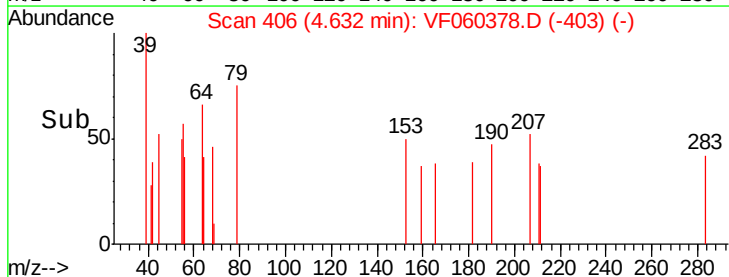


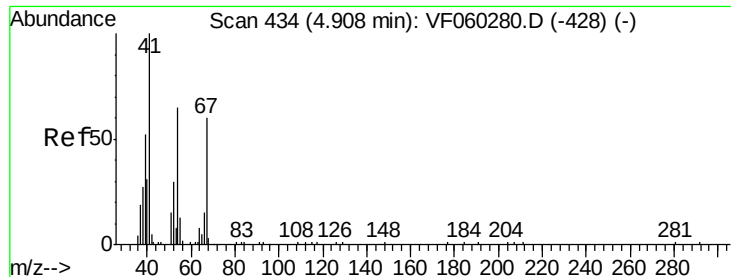
Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->

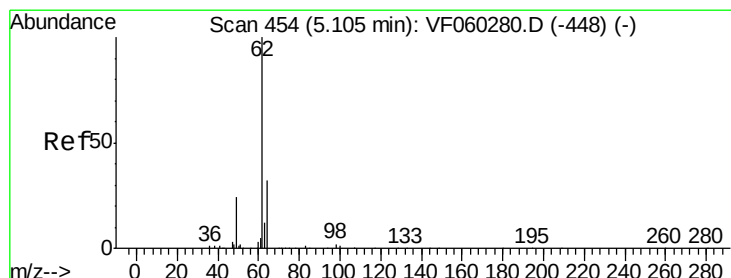
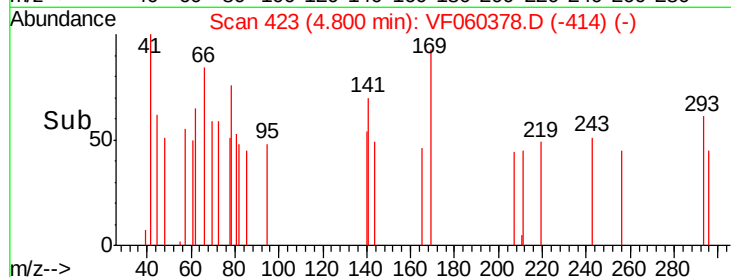
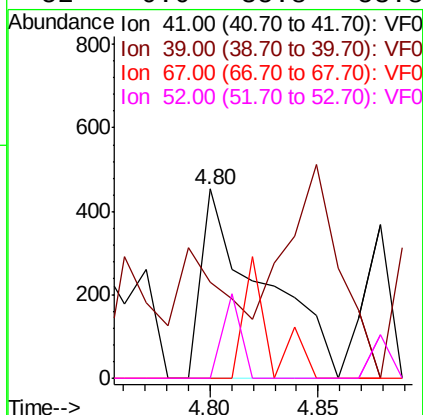
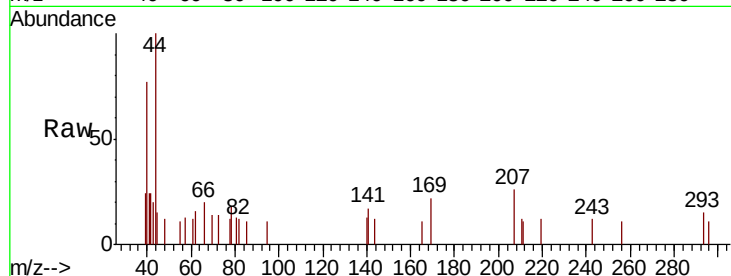




#41
Methacrylonitrile
Concen: 3724.504 ug/l
RT: 4.80 min Scan# 423
Delta R.T. -0.11 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

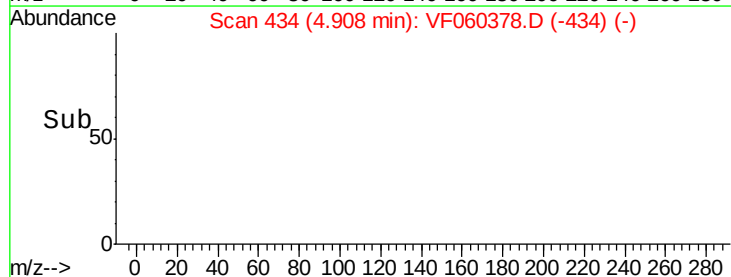
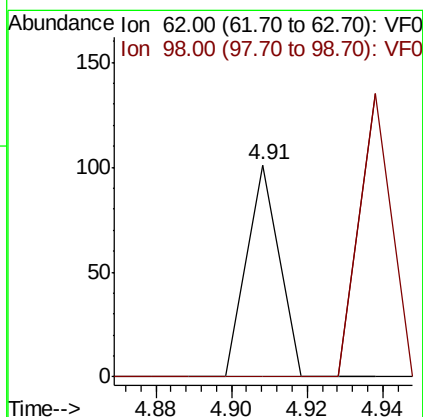
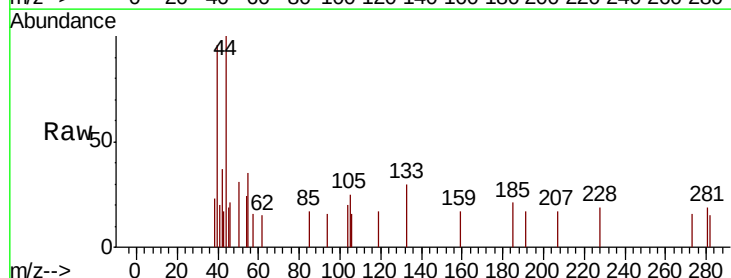
Instrument :
MSVOA_F
ClientSampleId :
TR-04-092818

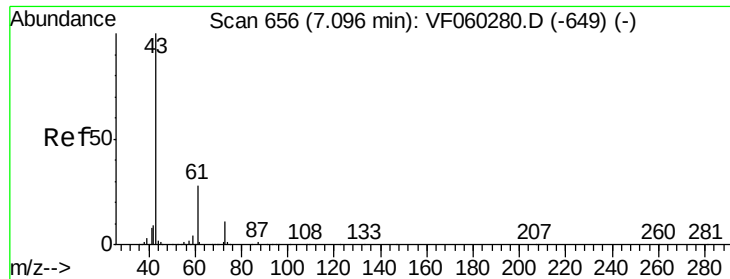
Tot Ion	Ratio	Lower	Upper
41	100		
39	50.7	49.1	73.7
67	0.0	48.2	72.4#
52	0.0	35.8	53.8#



#42
1,2-Dichloroethane
Concen: 68.612 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.20 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	14.4





#43

Isopropyl Acetate

Concen: 1101.684 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.15 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

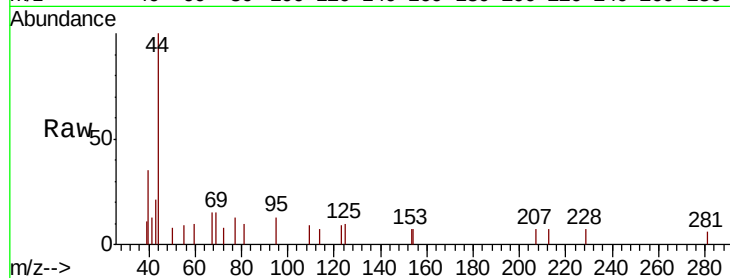
Tot Ion: 43 Resp: 588

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

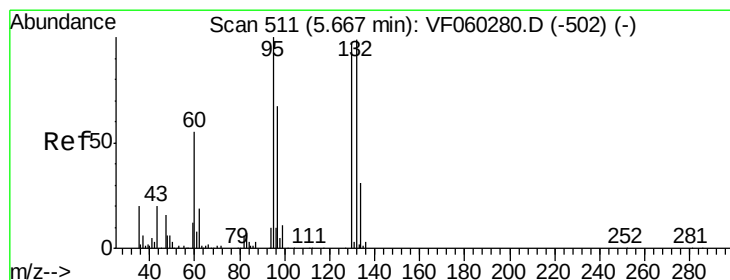
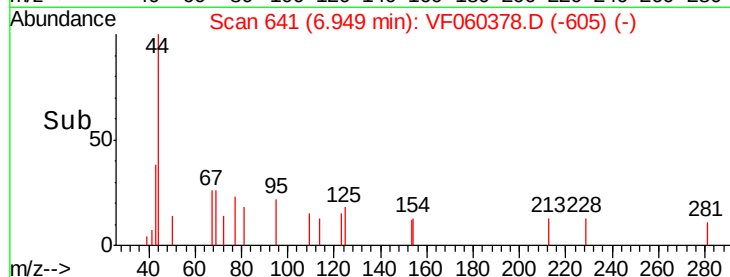
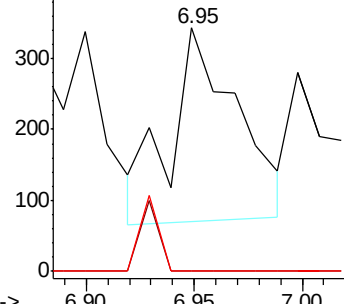
87 0.0 0.6 0.8#



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: 90.515 ug/l

RT: 5.63 min Scan# 507

Delta R.T. -0.04 min

Lab File: VF060378.D

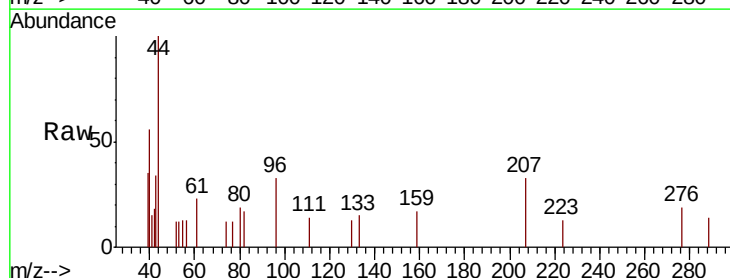
Acq: 28 Sep 2018 20:22

Tgt Ion: 130 Resp: 64

Ion Ratio Lower Upper

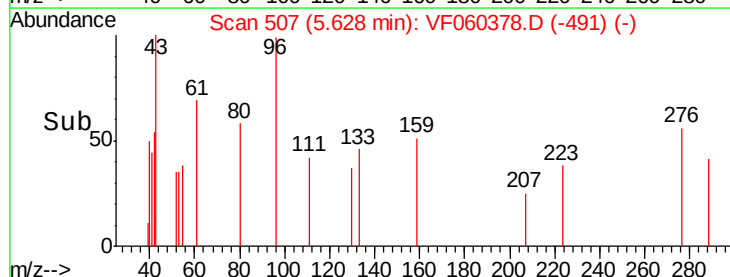
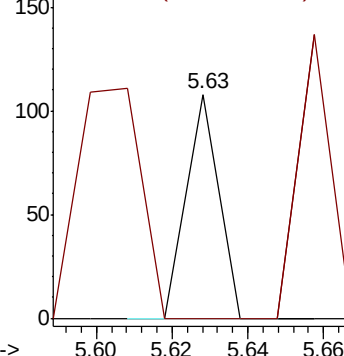
130 100

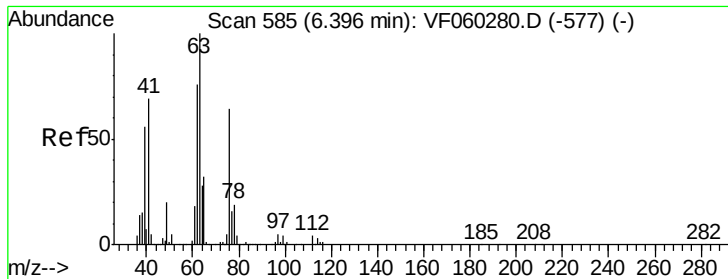
95 0.0 0.0 205.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 315.510 ug/l

RT: 6.30 min Scan# 575

Delta R.T. -0.10 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

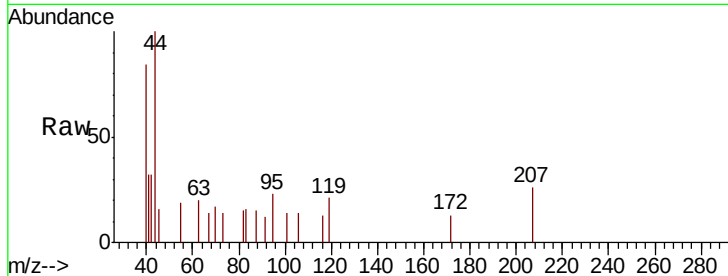
TR-04-092818

Tot Ion: 63 Resp: 194

Ion Ratio Lower Upper

63 100

65 0.0 26.2 39.4#

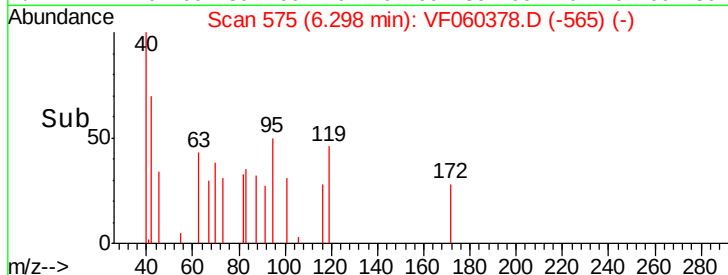


Abundance Ion 63.00 (62.70 to 63.70): VF0

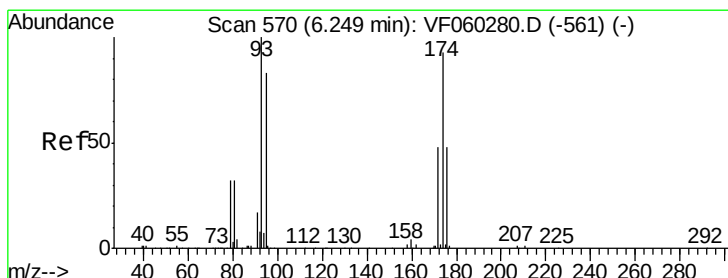
Ion 65.00 (64.70 to 65.70): VF0

6.30

6.32



Time-->



#46

Dibromomethane

Concen: 270.752 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.18 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

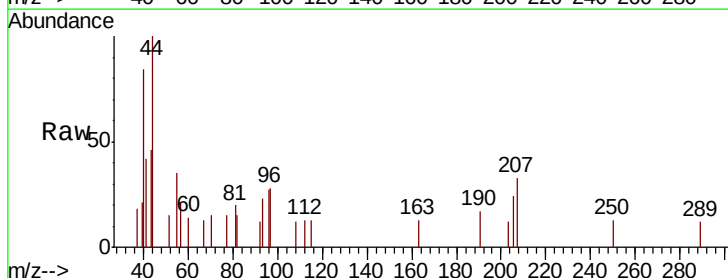
Tgt Ion: 93 Resp: 119

Ion Ratio Lower Upper

93 100

95 0.0 67.0 100.6#

174 0.0 74.8 112.2#



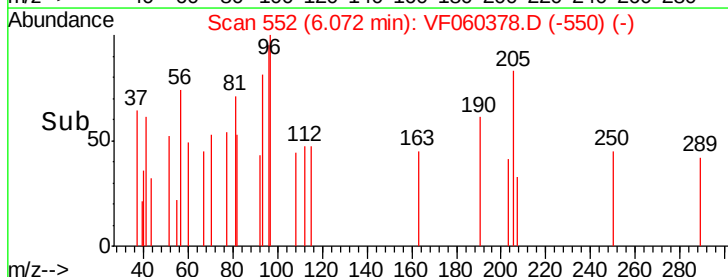
Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

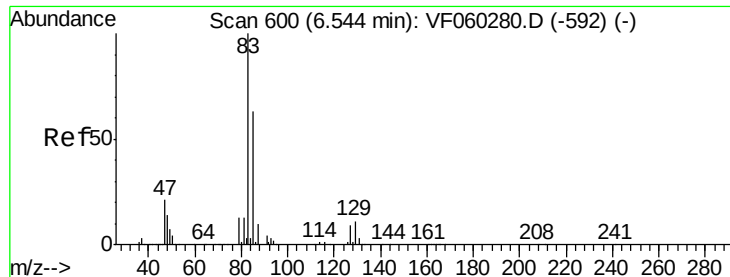
Ion 174.00 (173.70 to 174.70): V

6.07

6.08



Time-->



#47

Bromodichloromethane

Concen: 210.183 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.17 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

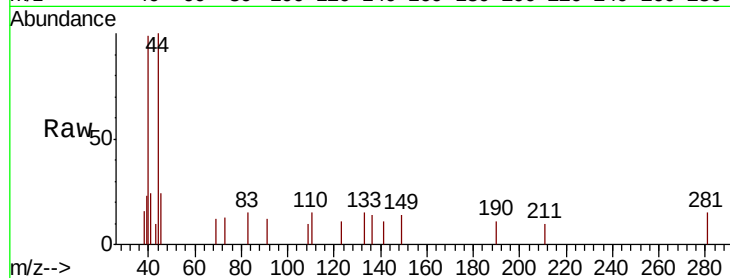
Tot Ion: 83 Resp: 222

Ion Ratio Lower Upper

83 100

85 0.0 50.6 76.0#

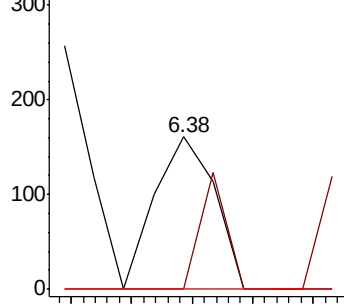
127 0.0 7.1 10.7#



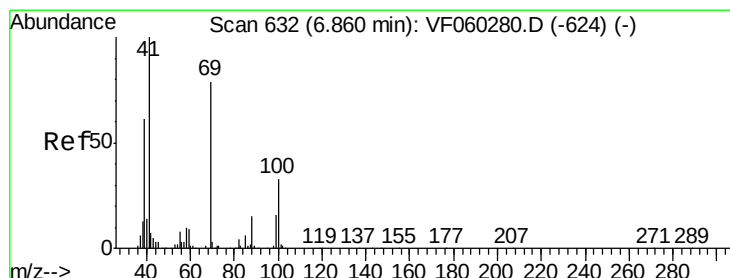
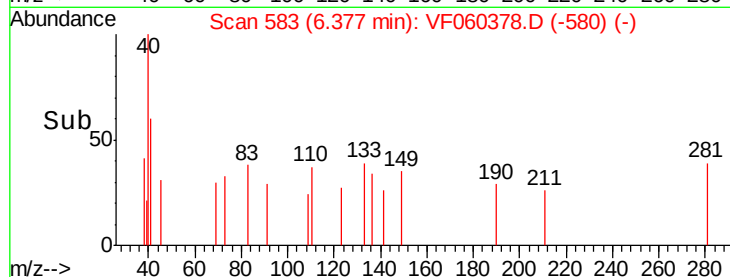
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



Time-->



#48

Methyl methacrylate

Concen: 1150.372 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.15 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

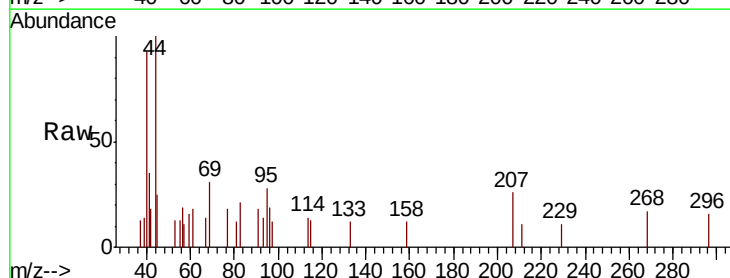
Tgt Ion: 41 Resp: 431

Ion Ratio Lower Upper

41 100

69 89.1 62.6 94.0

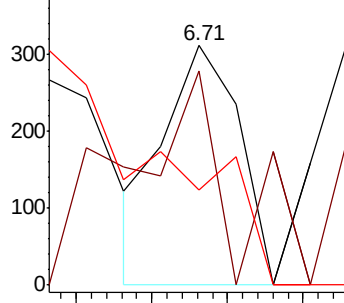
39 39.4 49.1 73.7#



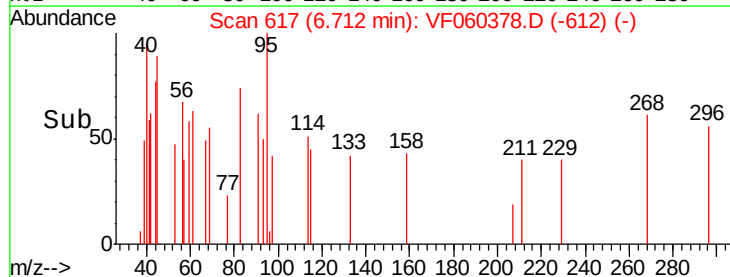
Abundance Ion 41.00 (40.70 to 41.70): VF0

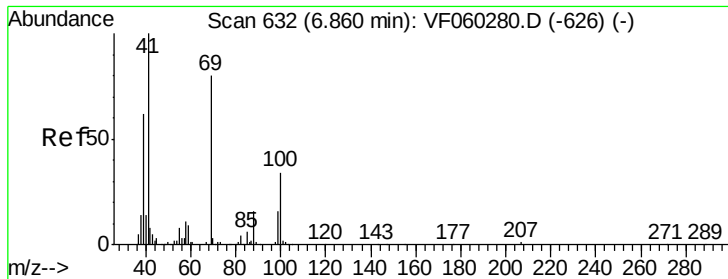
Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->





#49

1,4-Dioxane

Concen: 21211.717 ug/l

RT: 6.58 min Scan# 604

Delta R.T. -0.28 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

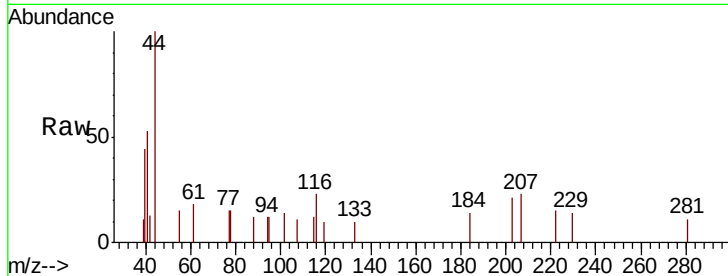
Tot Ion: 88 Resp: 71

Ion Ratio Lower Upper

88 100

43 0.0 40.2 60.4#

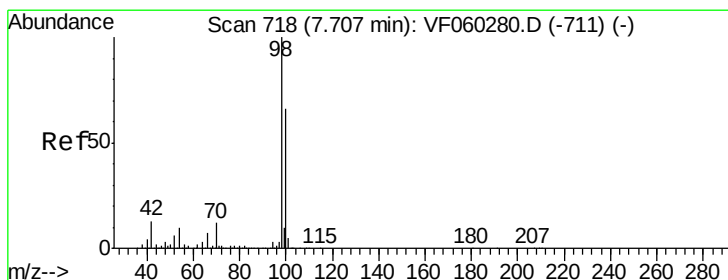
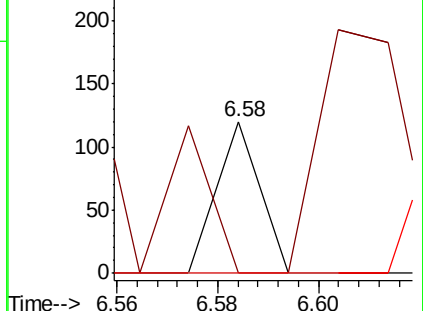
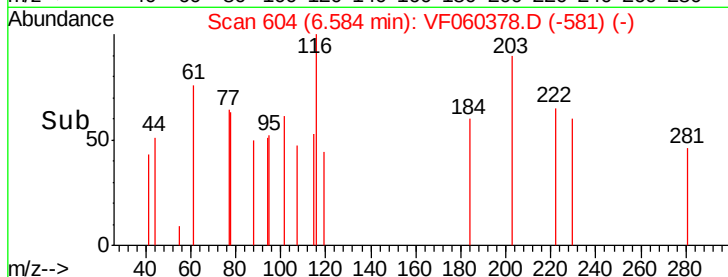
58 0.0 56.7 85.1#



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: 31.794 ug/l

RT: 7.50 min Scan# 697

Delta R.T. -0.21 min

Lab File: VF060378.D

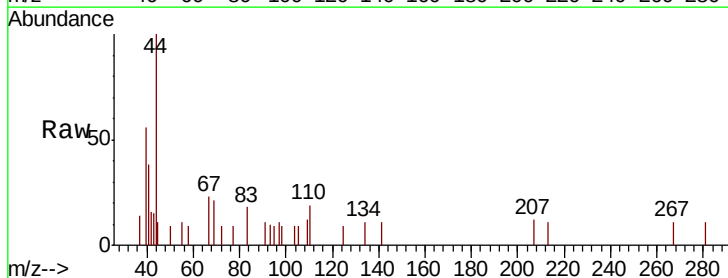
Acq: 28 Sep 2018 20:22

Tgt Ion: 98 Resp: 62

Ion Ratio Lower Upper

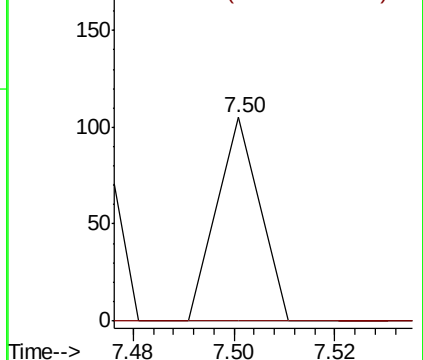
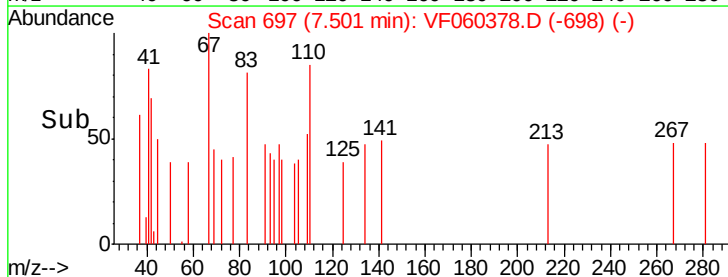
98 100

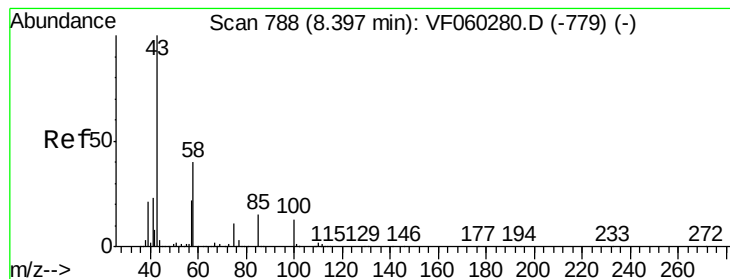
100 0.0 53.0 79.6#



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: 2246.178 ug/l

RT: 8.17 min Scan# 765

Delta R.T. -0.23 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleID :

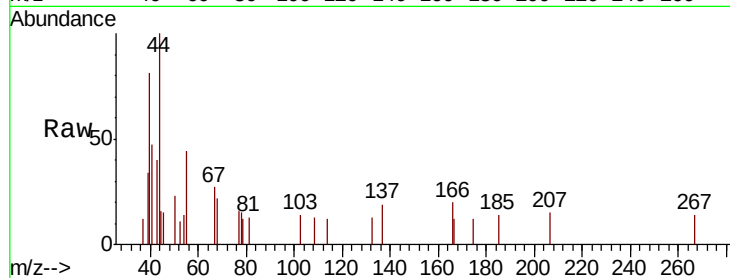
TR-04-092818

Tot Ion: 43 Resp: 924

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.8#



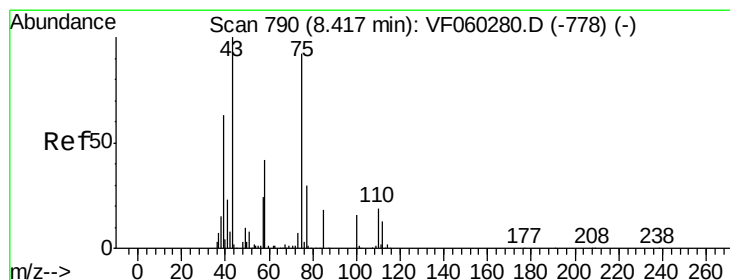
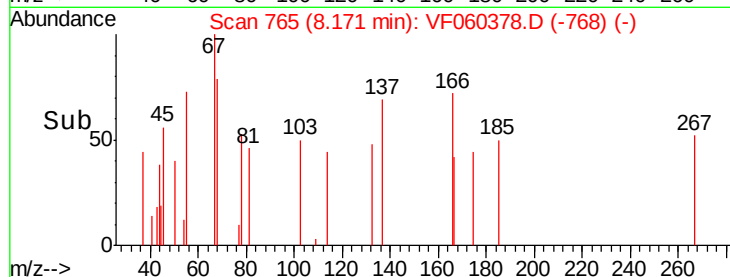
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.17

8.20

Time-->



#53

t-1,3-Dichloropropene

Concen: 105.637 ug/l

RT: 8.22 min Scan# 770

Delta R.T. -0.20 min

Lab File: VF060378.D

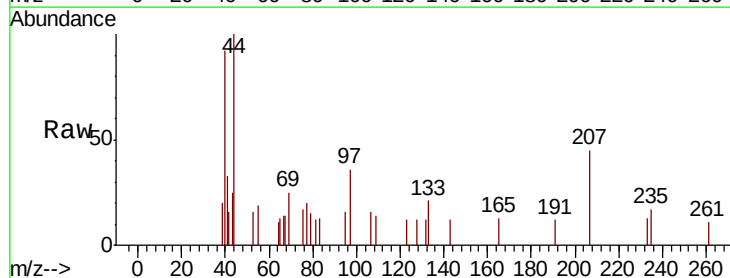
Acq: 28 Sep 2018 20:22

Tgt Ion: 75 Resp: 90

Ion Ratio Lower Upper

75 100

77 121.7 25.9 38.9#



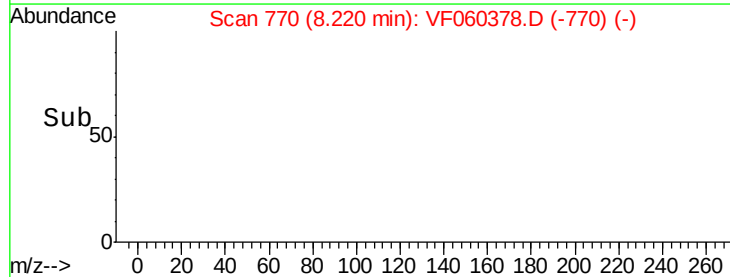
Abundance Ion 75.00 (74.70 to 75.70): VF0

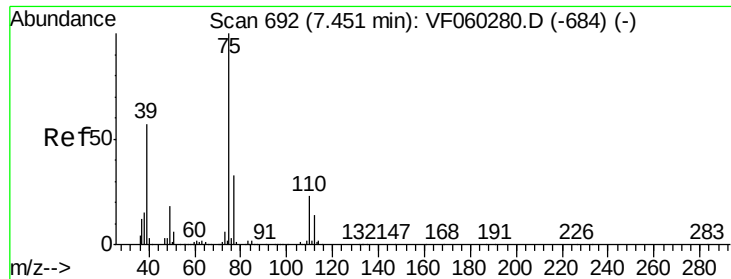
Ion 77.00 (76.70 to 77.70): VF0

8.22

8.24

Time-->





#54

cis-1,3-Dichloropropene

Concen: 187.273 ug/l

RT: 7.34 min Scan# 681

Delta R.T. -0.11 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

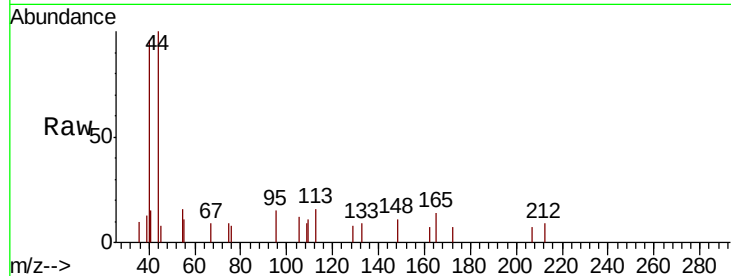
Tot Ion: 75 Resp: 201

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#

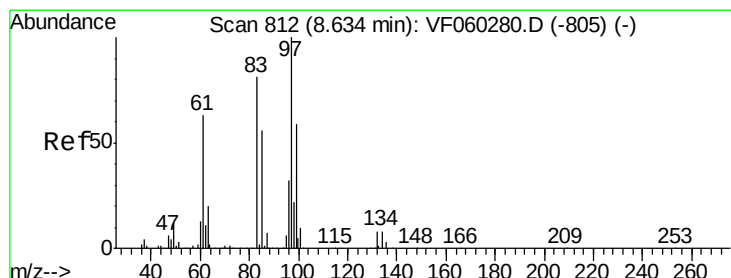
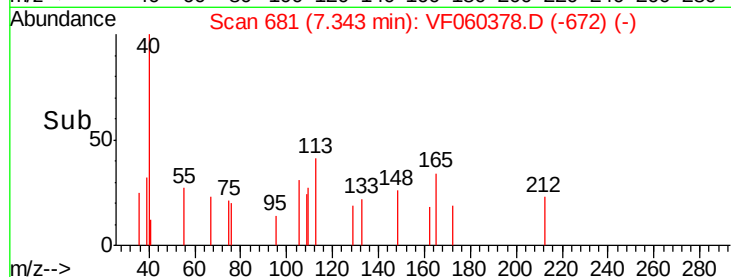
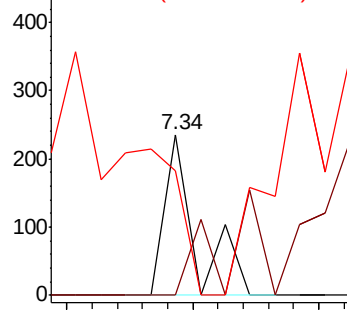
39 77.5 46.1 69.1#



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: 995.225 ug/l

RT: 8.43 min Scan# 791

Delta R.T. -0.21 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Tgt Ion: 97 Resp: 454

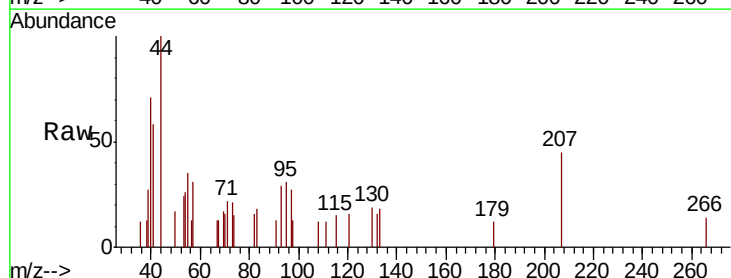
Ion Ratio Lower Upper

97 100

83 46.2 65.3 97.9#

85 0.0 44.7 67.1#

99 0.0 47.0 70.4#

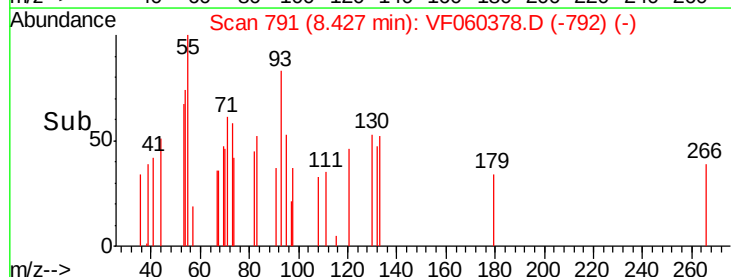
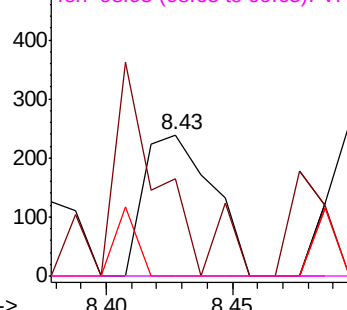


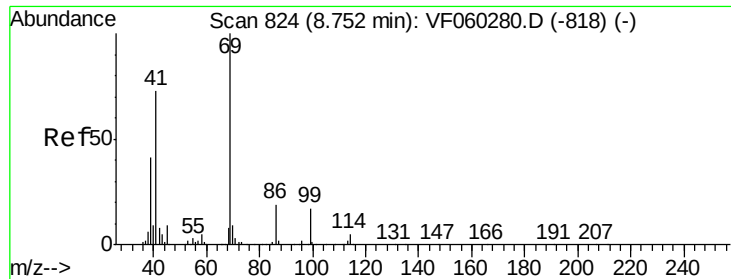
Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 1357.680 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.25 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

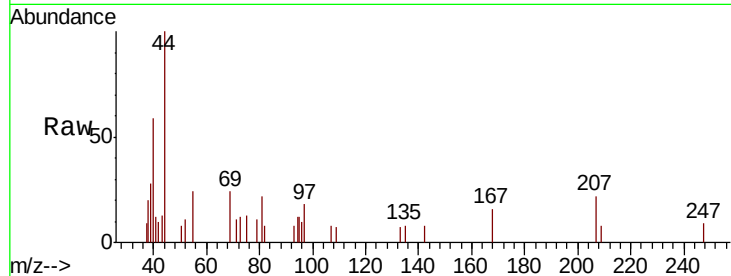
Tot Ion: 69 Resp: 748

Ion Ratio Lower Upper

69 100

41 91.7 59.4 89.2#

39 118.8 33.5 50.3#



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

800

600

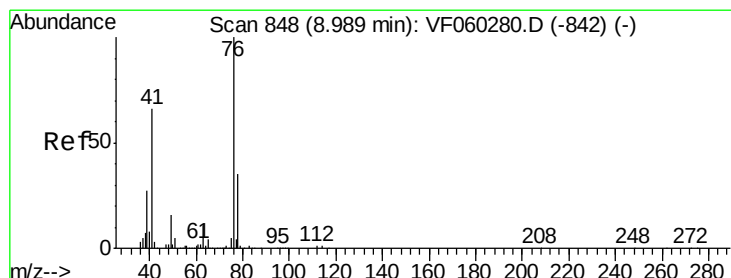
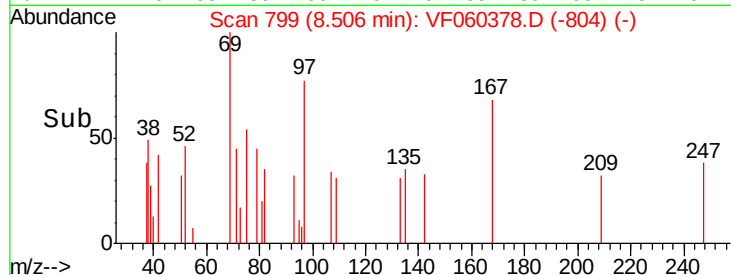
400

200

0

8.45 8.50 8.55

Time-->



#57

1,3-Dichloropropane

Concen: 105.914 ug/l

RT: 8.76 min Scan# 825

Delta R.T. -0.23 min

Lab File: VF060378.D

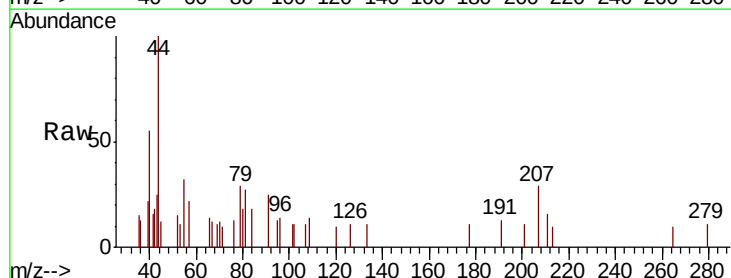
Acq: 28 Sep 2018 20:22

Tgt Ion: 76 Resp: 80

Ion Ratio Lower Upper

76 100

78 0.0 28.2 42.2#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

150

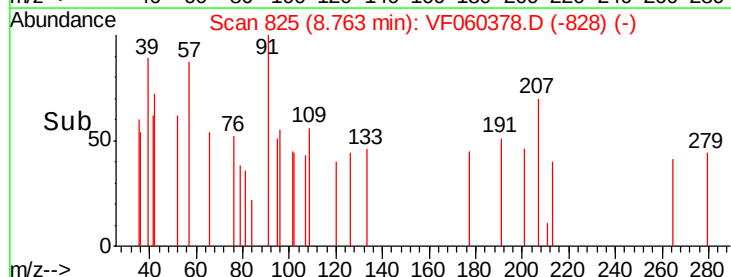
100

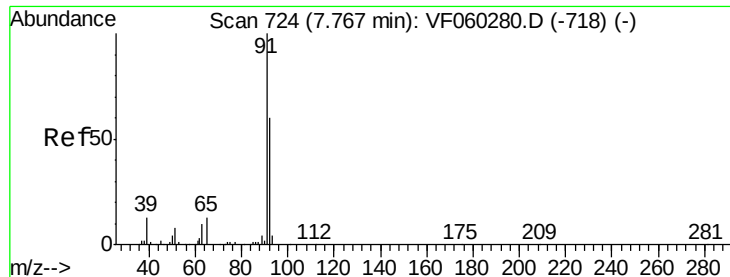
50

0

8.74 8.76 8.78

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 4824.987 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.16 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

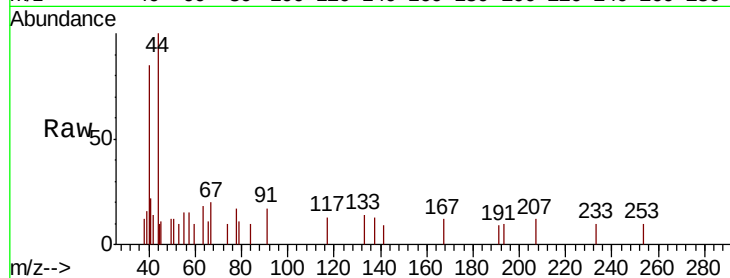
TR-04-092818

Tot Ion: 63 Resp: 235

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.61

200

150

100

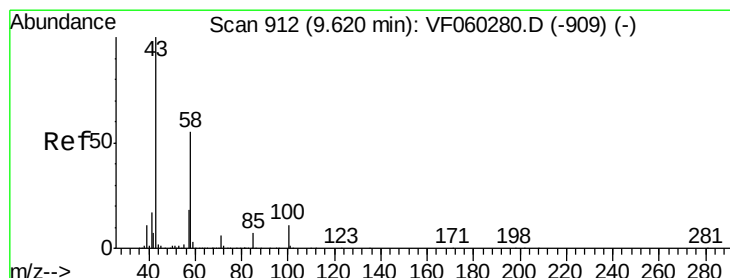
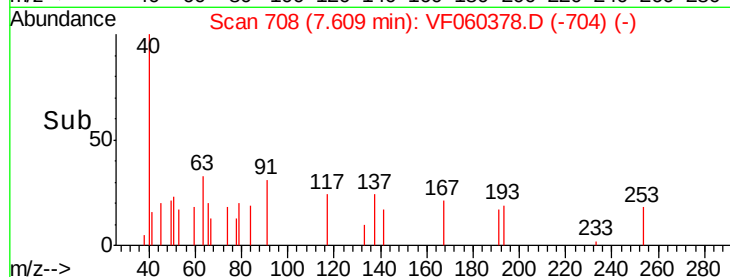
50

0

7.60

7.65

Time-->



#59

2-Hexanone

Concen: 1324.706 ug/l

RT: 9.35 min Scan# 885

Delta R.T. -0.27 min

Lab File: VF060378.D

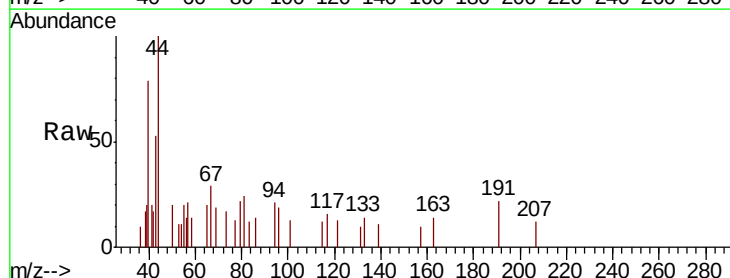
Acq: 28 Sep 2018 20:22

Tgt Ion: 43 Resp: 388

Ion Ratio Lower Upper

43 100

58 26.1 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.35

600

500

400

300

200

100

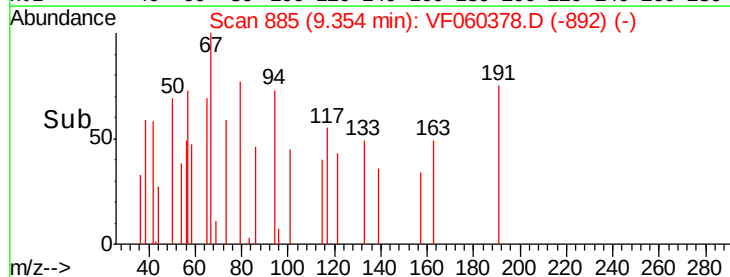
0

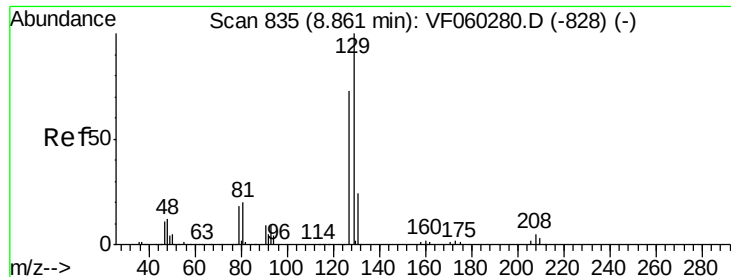
9.32

9.34

9.36

Time-->





#60

Dibromochloromethane

Concen: 98.542 ug/l

RT: 8.70 min Scan# 819

Delta R.T. -0.16 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

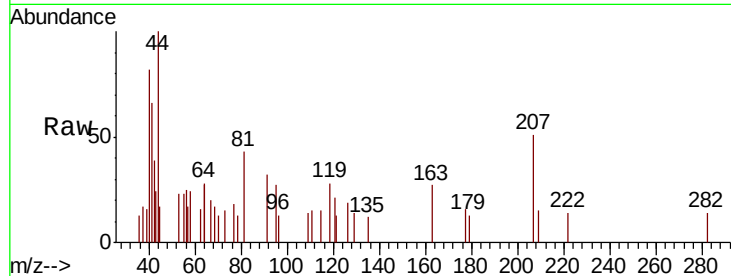
TR-04-092818

Tot Ion:129 Resp: 67

Ion Ratio Lower Upper

129 100

127 0.0 36.6 109.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.70

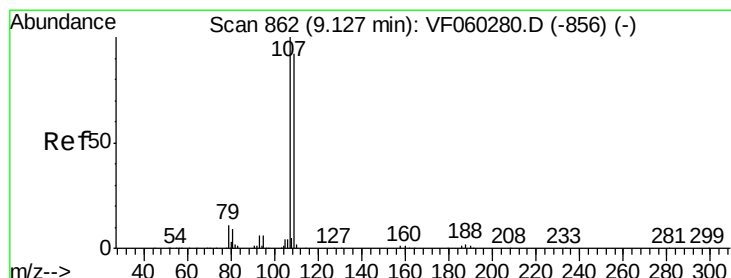
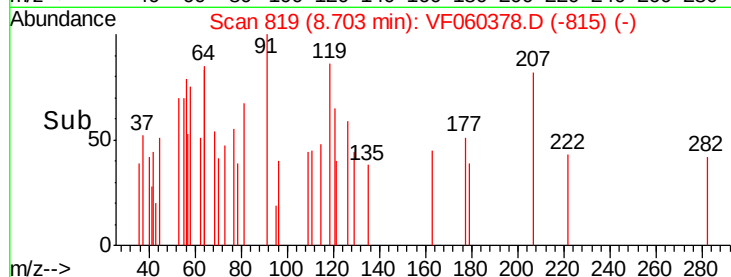
100

50

0

8.68 8.70 8.72

Time-->



#61

1,2-Dibromoethane

Concen: 407.492 ug/l

RT: 8.88 min Scan# 837

Delta R.T. -0.25 min

Lab File: VF060378.D

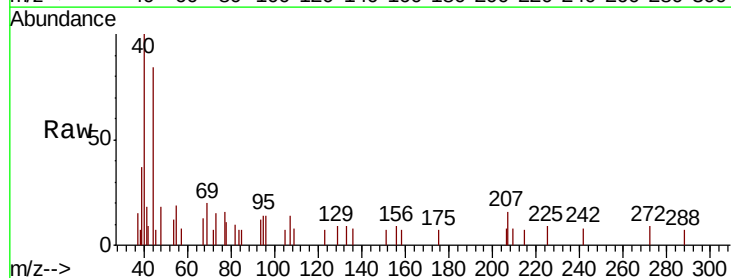
Acq: 28 Sep 2018 20:22

Tgt Ion:107 Resp: 207

Ion Ratio Lower Upper

107 100

109 56.8 73.2 109.8#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

300

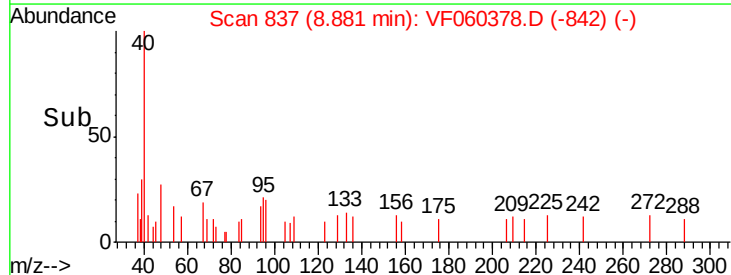
200

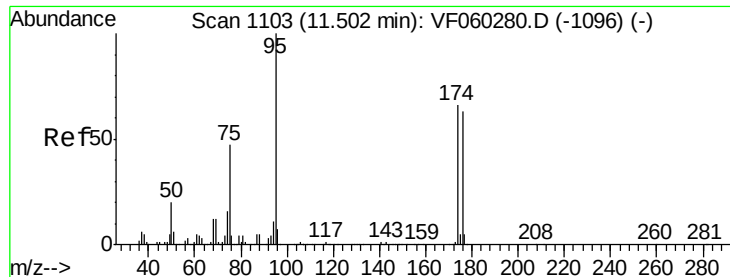
100

0

8.86 8.88 8.90

Time-->





#62

4-Bromofluorobenzene

Concen: 1355.971 ug/l

RT: 11.19 min Scan# 1071

Delta R.T. -0.31 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

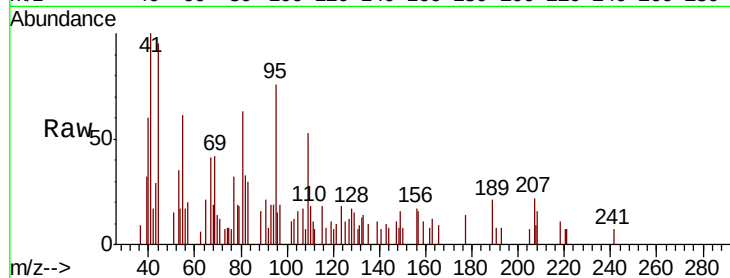
Tot Ion: 95 Resp: 1143

Ion Ratio Lower Upper

95 100

174 0.0 0.0 131.2

176 0.0 0.0 126.6



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

1500

11.19

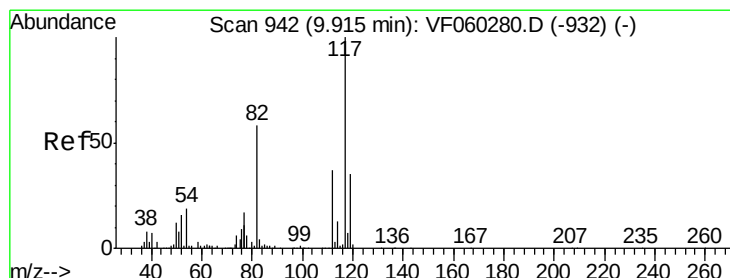
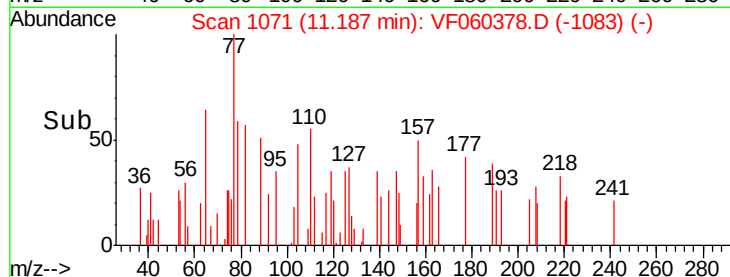
1000

500

0

Time-->

11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.67 min Scan# 917

Delta R.T. -0.25 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

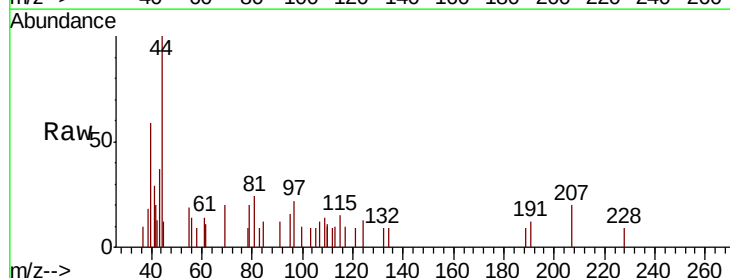
Tgt Ion: 117 Resp: 67

Ion Ratio Lower Upper

117 100

82 0.0 46.2 69.2#

119 0.0 27.8 41.6#



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

300

250

200

150

100

50

0

Time-->

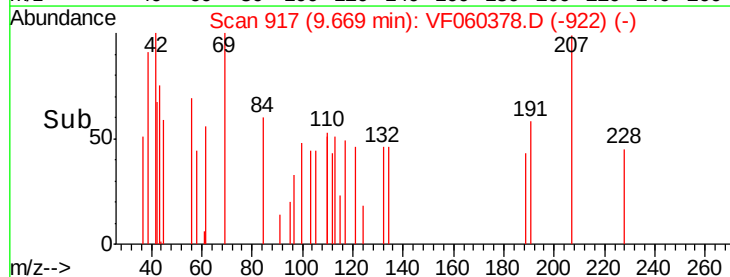
9.64

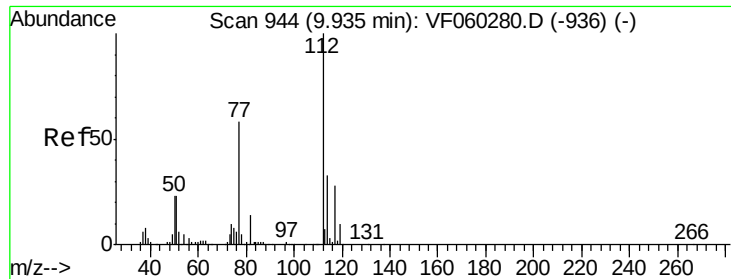
9.66

9.67

9.68

9.70

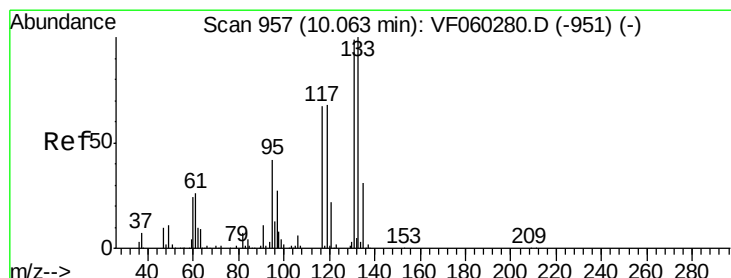
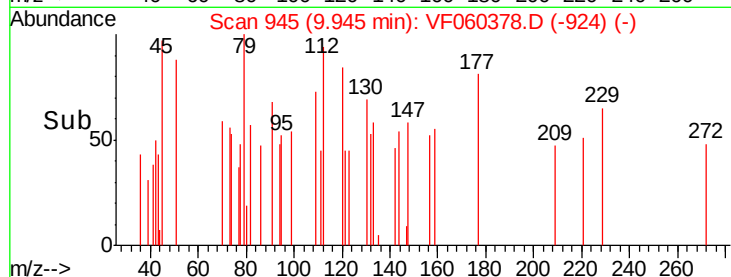
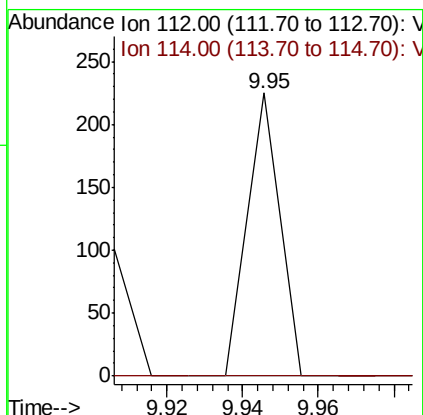
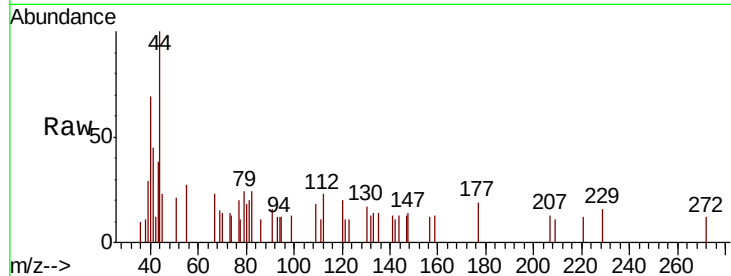




#65
Chlorobenzene
Concen: 87.586 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.01 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

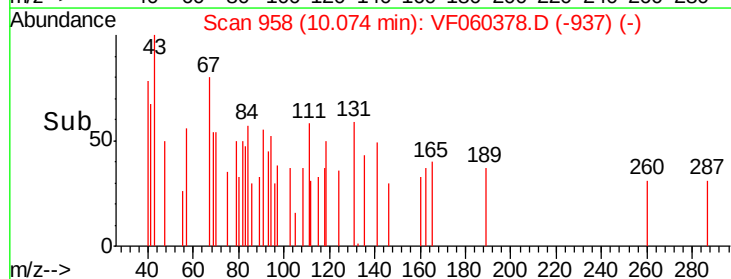
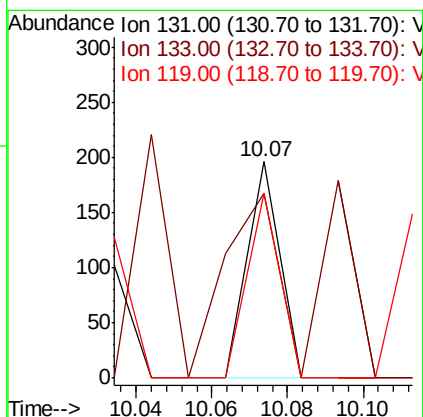
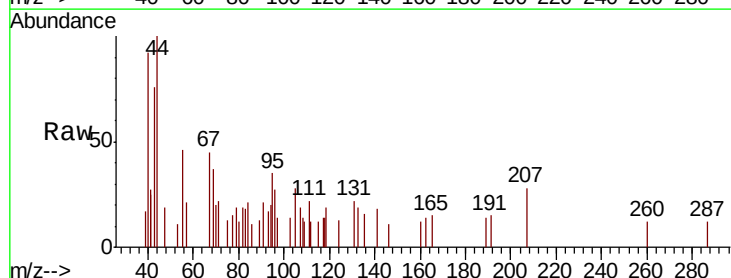
Instrument :
MSVOA_F
ClientSampled :
TR-04-092818

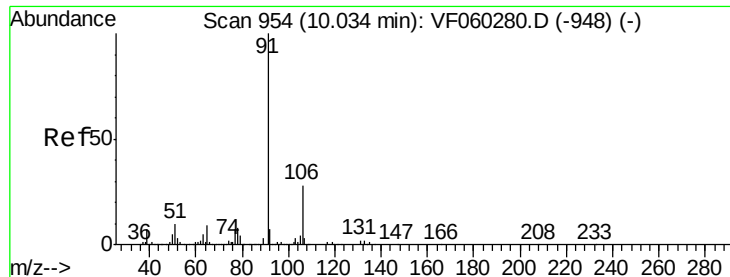
Tot Ion:112 Resp: 133
Ion Ratio Lower Upper
112 100
114 0.0 26.6 40.0#



#66
1,1,1,2-Tetrachloroethane
Concen: 184.074 ug/l
RT: 10.07 min Scan# 958
Delta R.T. 0.01 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

Tgt Ion:131 Resp: 116
Ion Ratio Lower Upper
131 100
133 85.2 50.4 151.2
119 85.2 34.8 104.3





#67

Ethyl Benzene

Concen: 115.755 ug/l

RT: 10.01 min Scan# 952

Delta R.T. -0.02 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

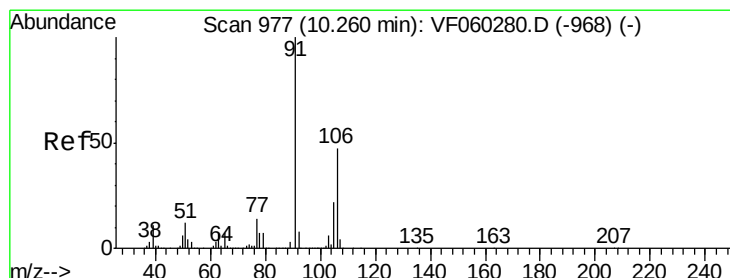
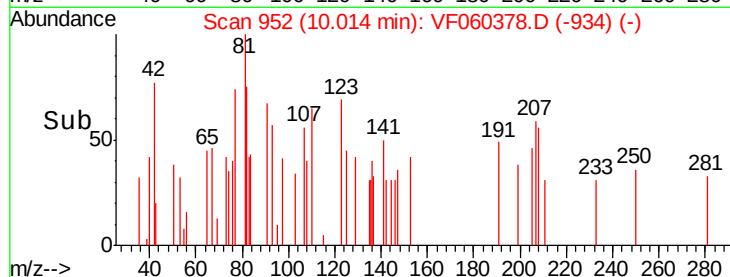
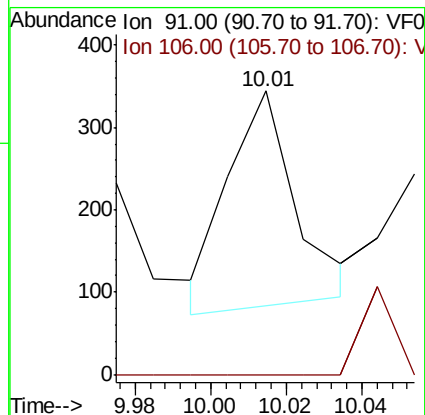
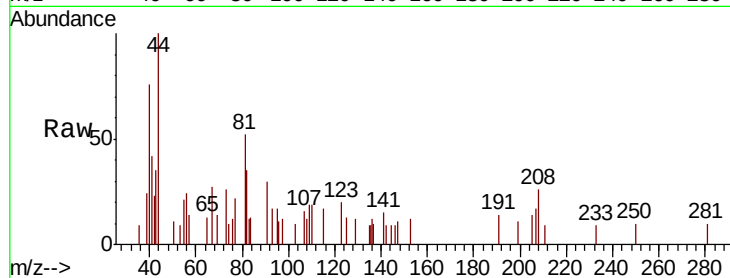
TR-04-092818

Tot Ion: 91 Resp: 325

Ion Ratio Lower Upper

91 100

106 0.0 22.7 34.1#



#68

m/p-Xylenes

Concen: 78.350 ug/l

RT: 10.18 min Scan# 969

Delta R.T. -0.08 min

Lab File: VF060378.D

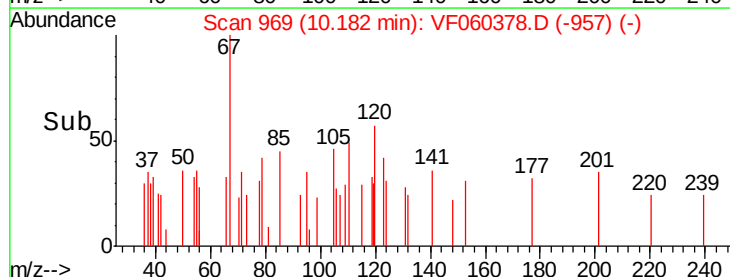
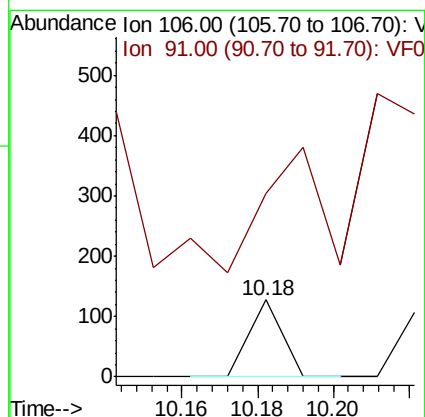
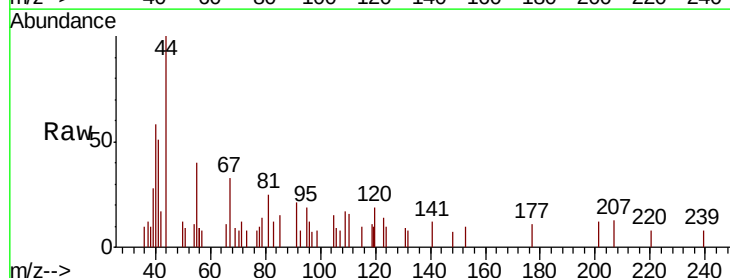
Acq: 28 Sep 2018 20:22

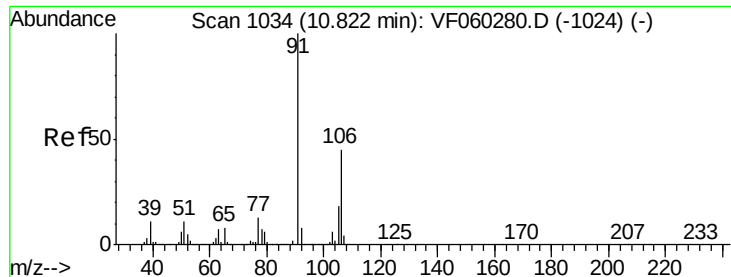
Tgt Ion: 106 Resp: 76

Ion Ratio Lower Upper

106 100

91 237.5 172.3 258.5

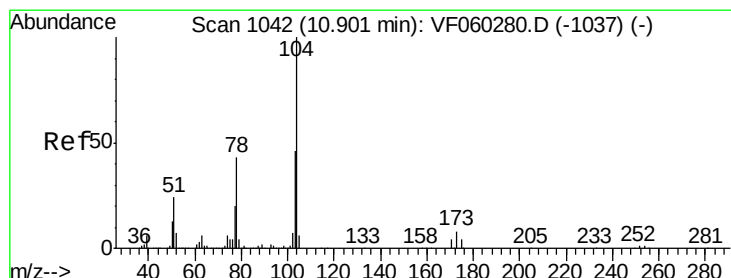
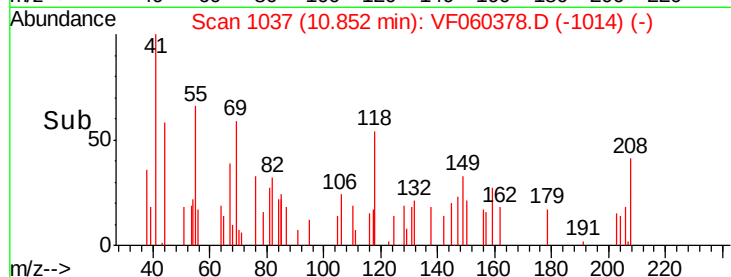
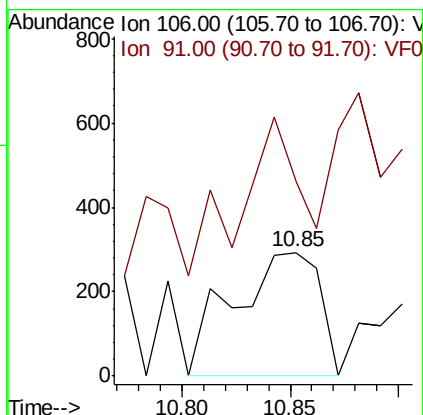
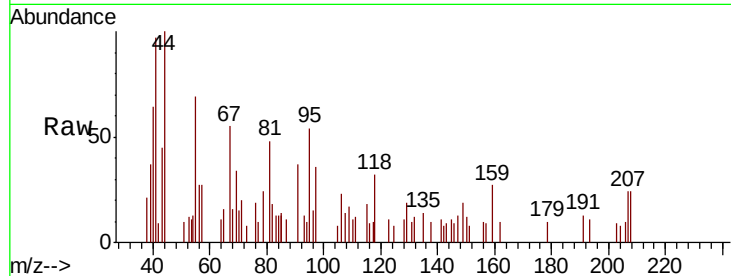




#69
o-Xylene
Concen: 745.407 ug/l
RT: 10.85 min Scan# 1037
Delta R.T. 0.03 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

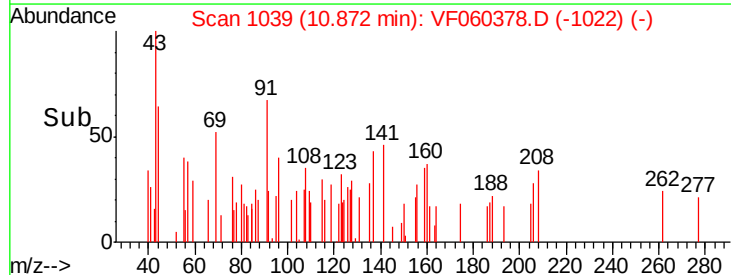
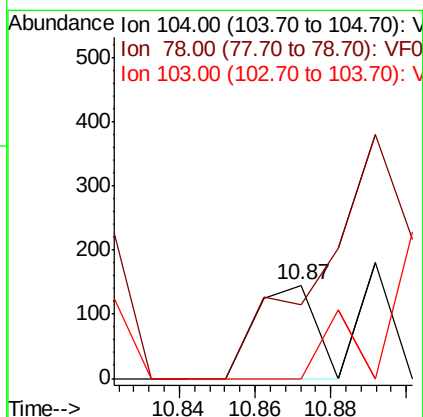
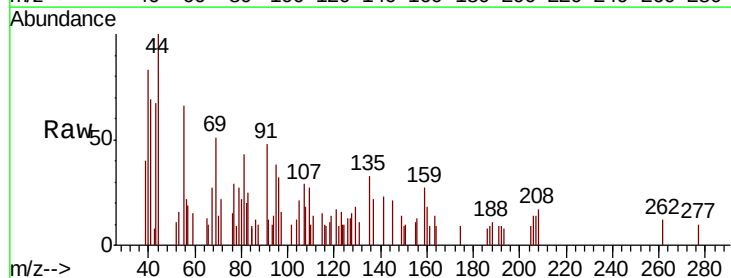
Instrument :
MSVOA_F
ClientSampleId :
TR-04-092818

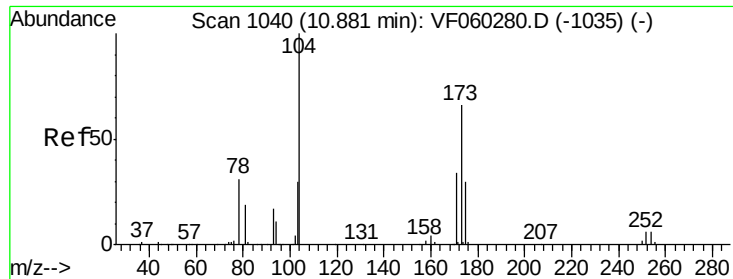
Tot Ion:106 Resp: 811
Ion Ratio Lower Upper
106 100
91 158.0 110.9 332.6



#70
Styrene
Concen: 103.626 ug/l
RT: 10.87 min Scan# 1039
Delta R.T. -0.03 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

Tgt Ion:104 Resp: 159
Ion Ratio Lower Upper
104 100
78 79.3 35.0 52.6#
103 0.0 37.4 56.0#





#71

Bromoform

Concen: 222.482 ug/l

RT: 10.86 min Scan# 1038

Delta R.T. -0.02 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

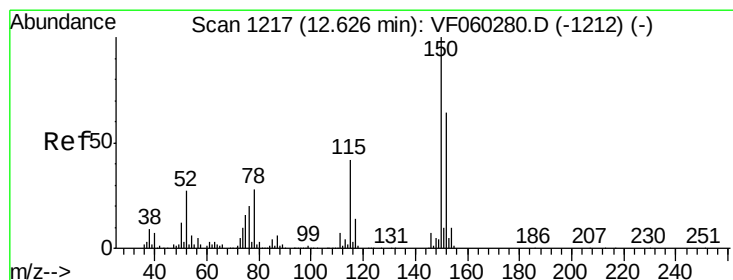
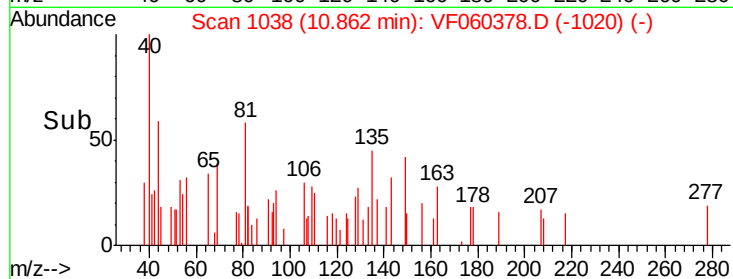
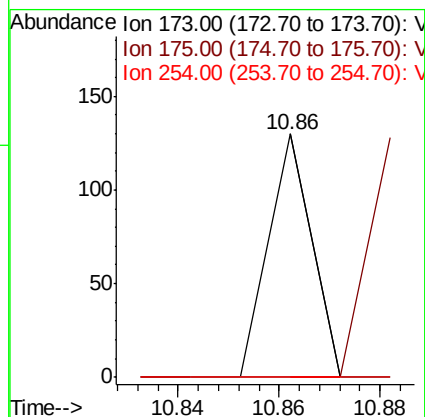
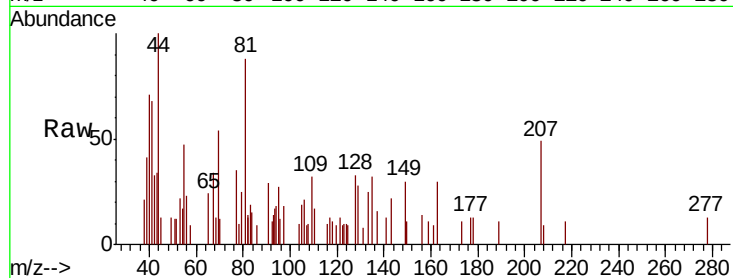
Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

Tot Ion:173	Resp:	77
Ion Ratio	Lower	Upper
173	100	
175	0.0	22.3
254	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

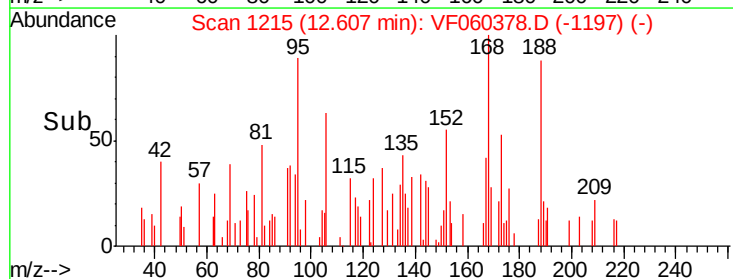
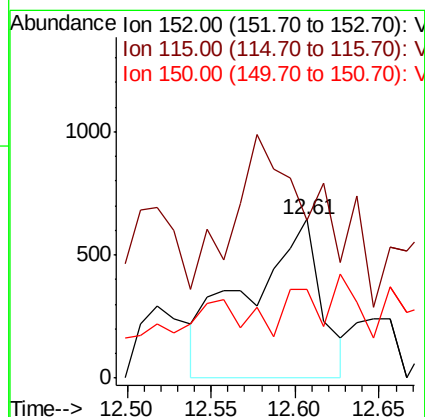
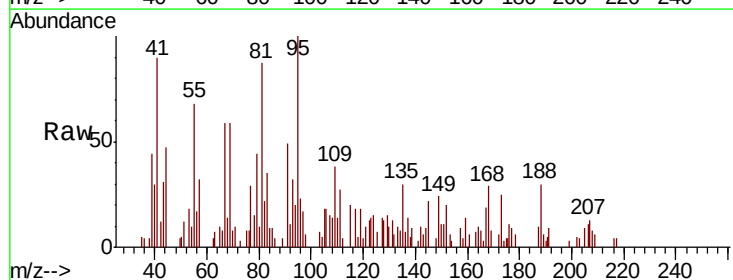
RT: 12.61 min Scan# 1215

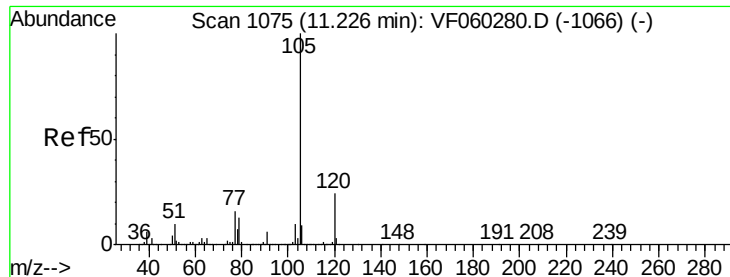
Delta R.T. -0.02 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Tgt Ion:152	Resp:	1971
Ion Ratio	Lower	Upper
152	100	
115	99.4	32.6
150	55.8	0.0





#73

Isopropylbenzene

Concen: 3.481 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

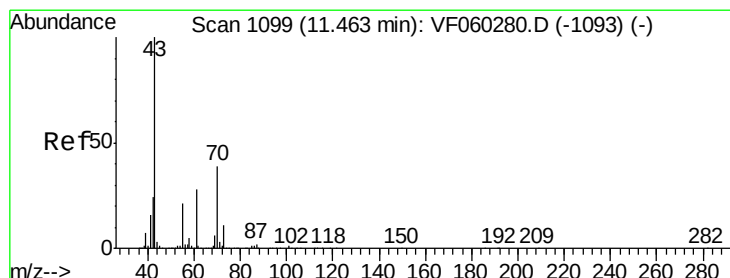
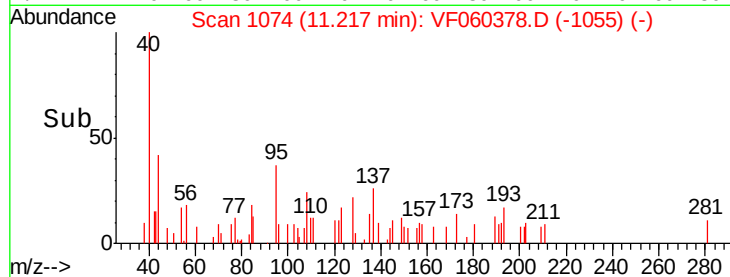
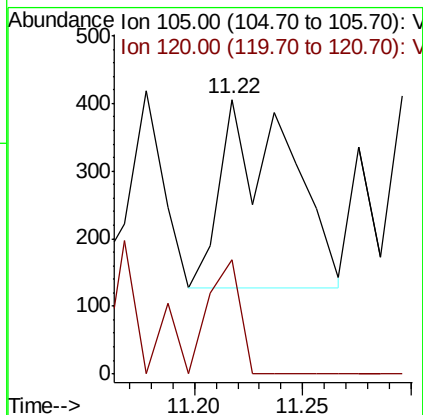
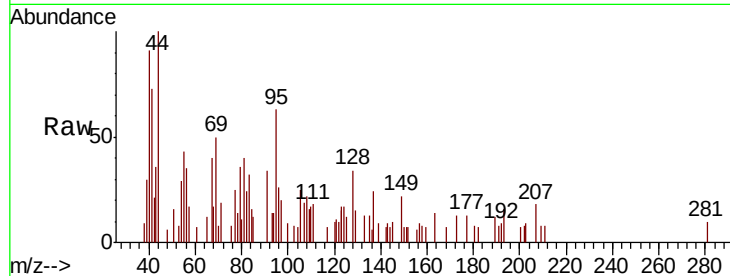
TR-04-092818

Tot Ion:105 Resp: 616

Ion Ratio Lower Upper

105 100

120 41.4 12.2 36.6#



#74

N-ethyl acetate

Concen: 17.651 ug/l

RT: 11.47 min Scan# 1100

Delta R.T. 0.01 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Tgt Ion: 43 Resp: 666

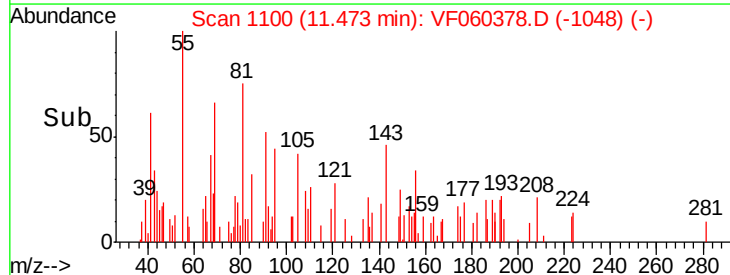
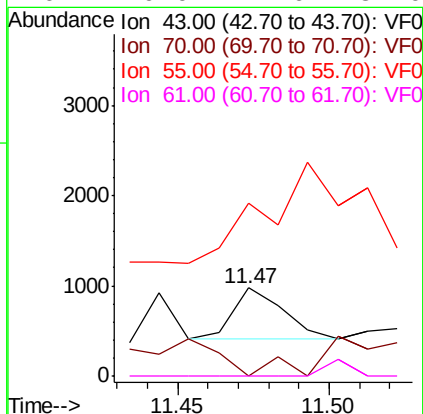
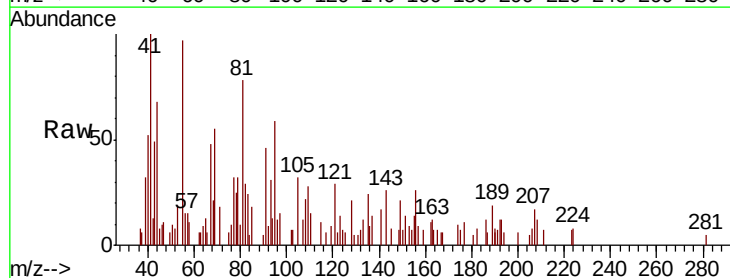
Ion Ratio Lower Upper

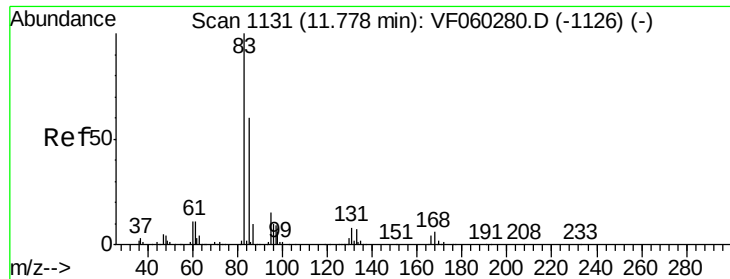
43 100

70 0.0 31.4 47.2#

55 195.9 16.8 25.2#

61 0.0 22.6 34.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 13.011 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

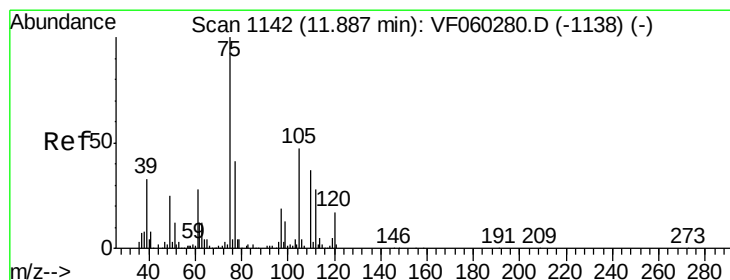
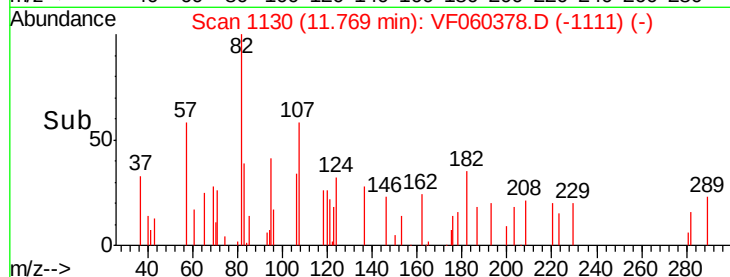
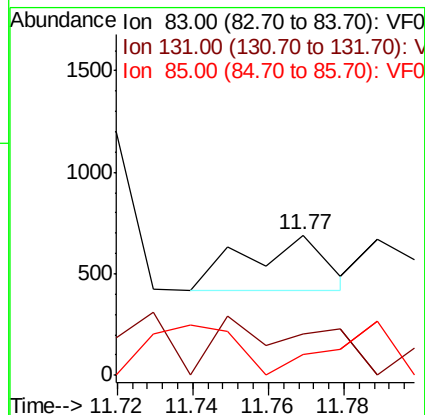
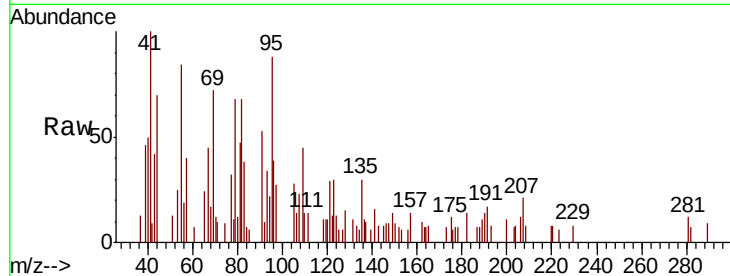
Tot Ion: 83 Resp: 408

Ion Ratio Lower Upper

83 100

131 29.2 4.2 12.4#

85 14.9 30.1 90.5#



#76

1,2,3-Trichloropropane

Concen: 3.251 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF060378.D

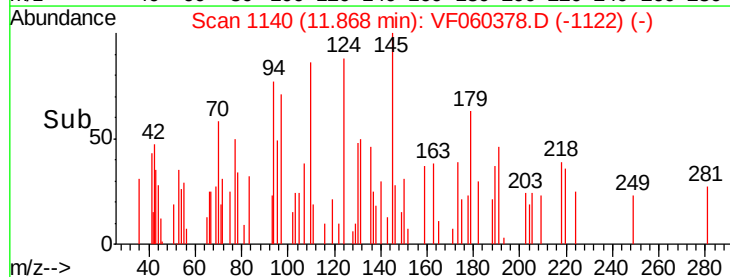
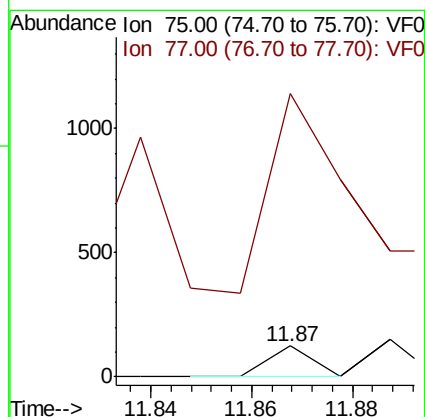
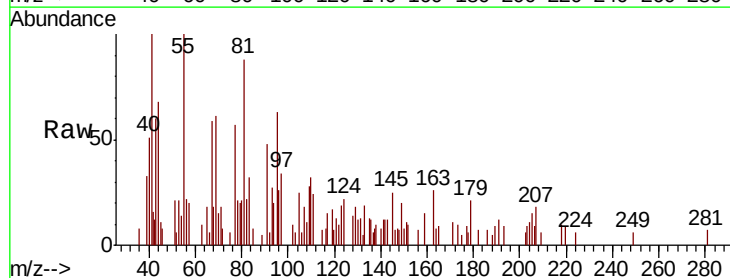
Acq: 28 Sep 2018 20:22

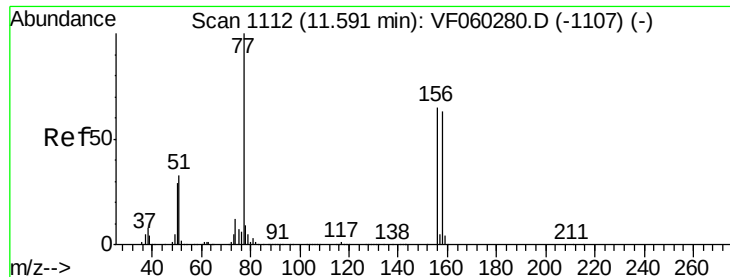
Tgt Ion: 75 Resp: 73

Ion Ratio Lower Upper

75 100

77 919.4 20.5 61.5#





#77

Bromobenzene

Concen: 20.822 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

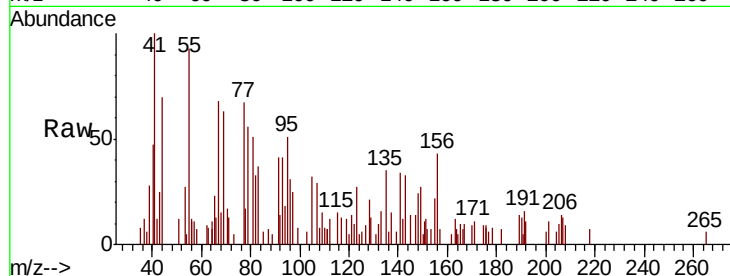
Tot Ion:156 Resp: 794

Ion Ratio Lower Upper

156 100

77 153.6 77.3 232.1

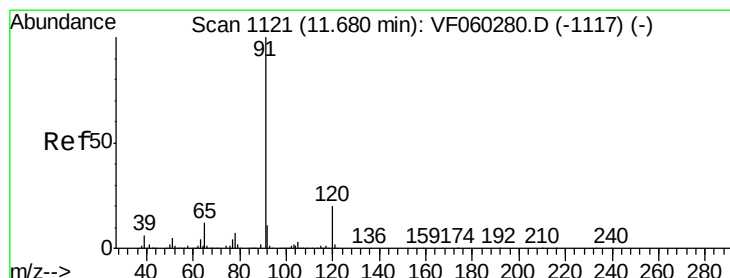
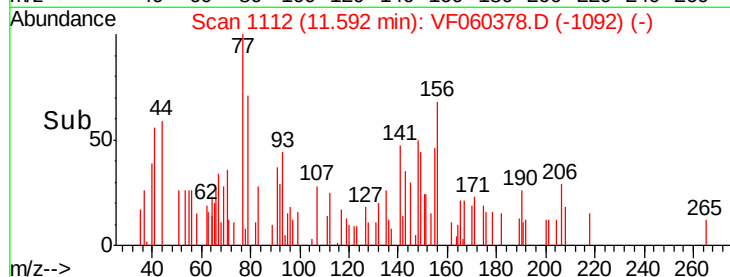
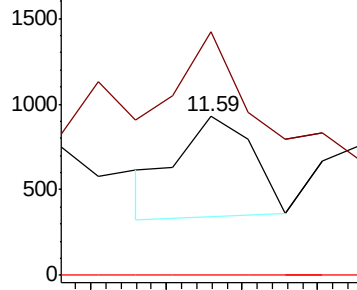
158 0.0 48.4 145.2#



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: Below Cal

RT: 11.75 min Scan# 1128

Delta R.T. 0.07 min

Lab File: VF060378.D

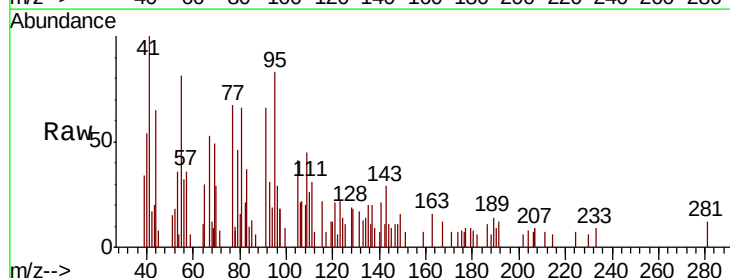
Acq: 28 Sep 2018 20:22

Tgt Ion: 91 Resp: 846

Ion Ratio Lower Upper

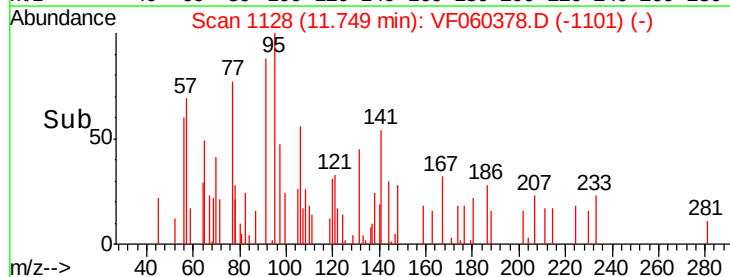
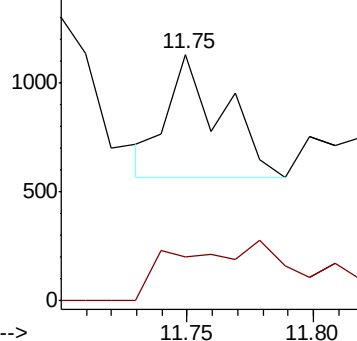
91 100

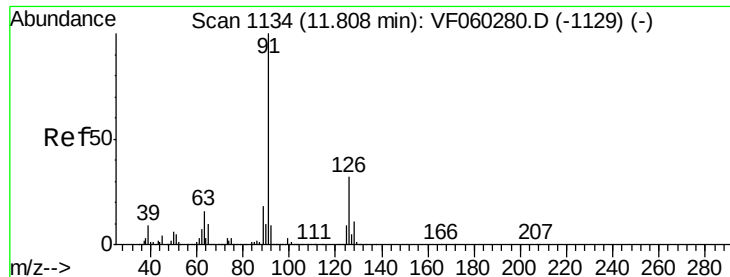
120 17.9 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

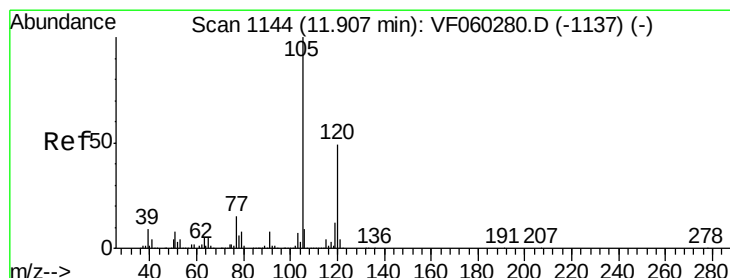
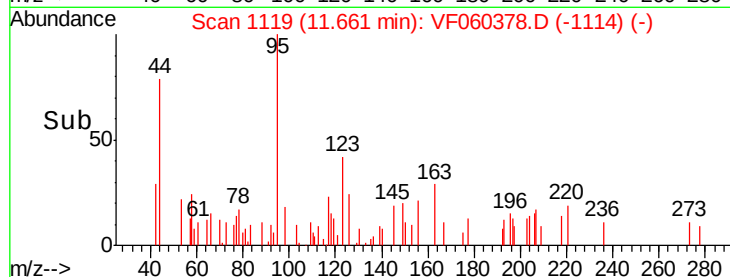
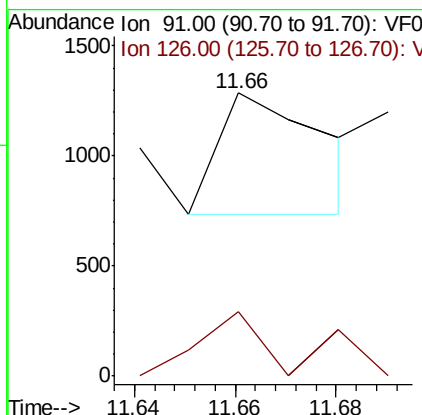
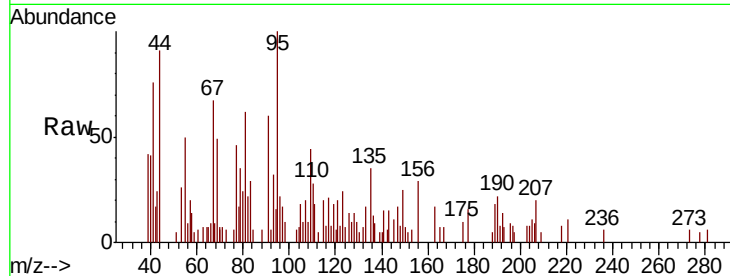




#79
2-Chlorotoluene
Concen: 6.594 ug/l
RT: 11.66 min Scan# 1119
Delta R.T. -0.15 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

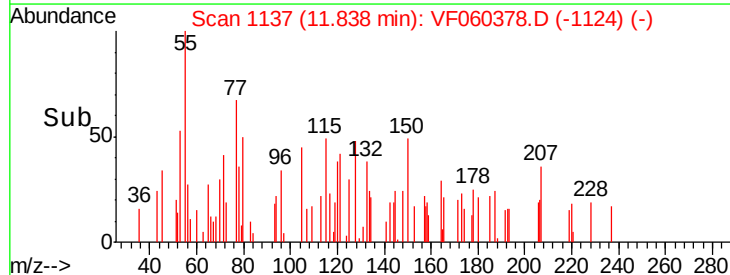
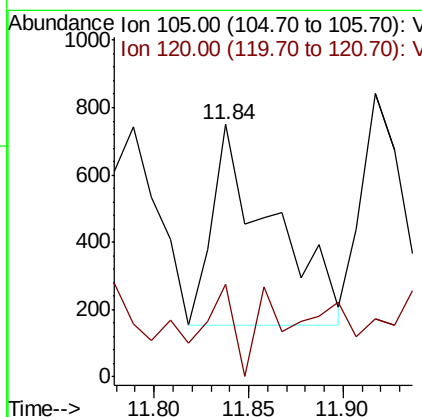
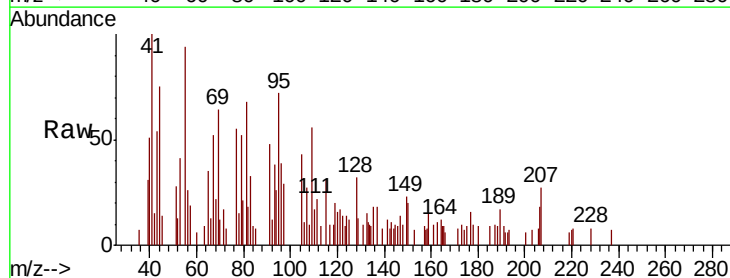
Instrument :
MSVOA_F
ClientSampleId :
TR-04-092818

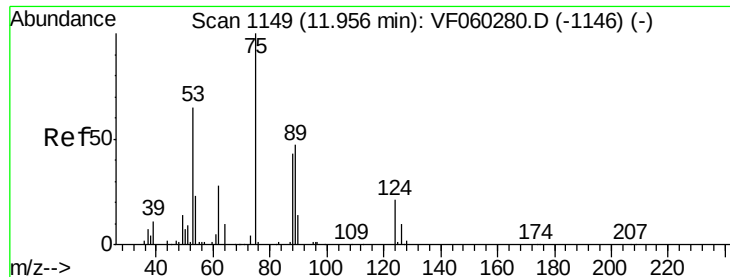
Tot Ion: 91 Resp: 787
Ion Ratio Lower Upper
91 100
126 22.7 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 9.134 ug/l
RT: 11.84 min Scan# 1137
Delta R.T. -0.07 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

Tgt Ion: 105 Resp: 1301
Ion Ratio Lower Upper
105 100
120 36.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 5.899 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

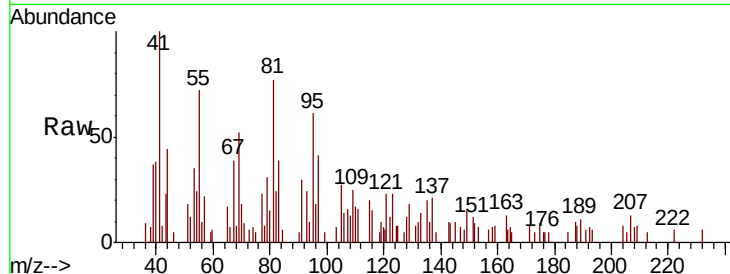
Tot Ion: 75 Resp: 70

Ion Ratio Lower Upper

75 100

53 672.3 56.5 84.7#

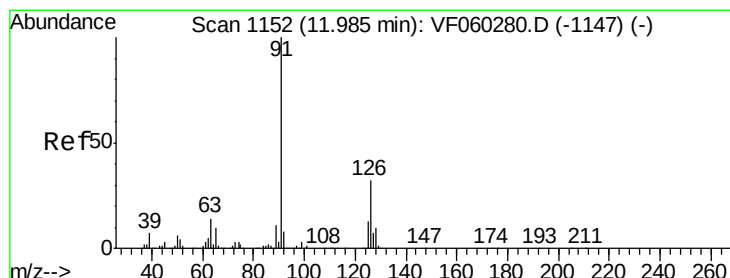
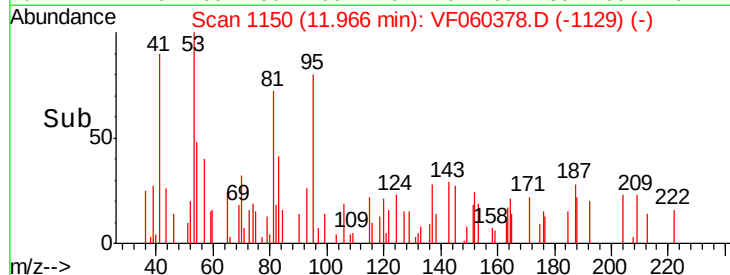
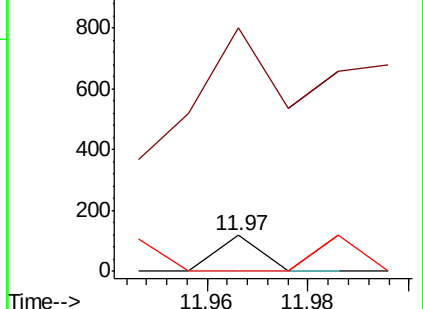
89 0.0 40.6 60.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 5.835 ug/l

RT: 12.00 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF060378.D

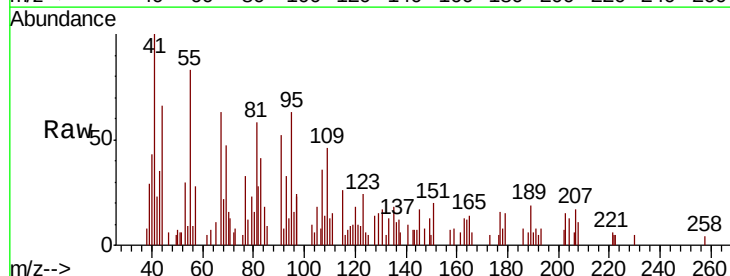
Acq: 28 Sep 2018 20:22

Tgt Ion: 91 Resp: 700

Ion Ratio Lower Upper

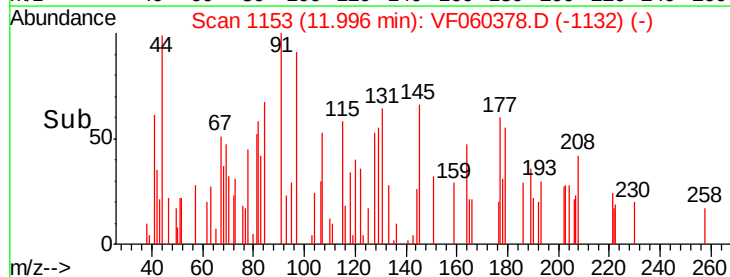
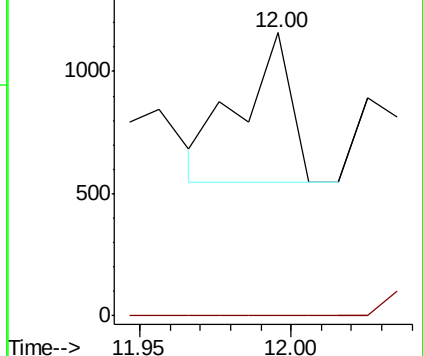
91 100

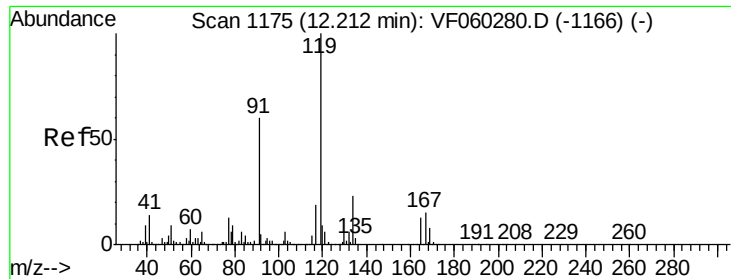
126 0.0 16.1 48.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

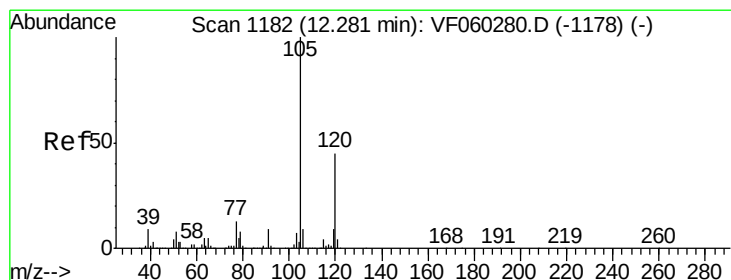
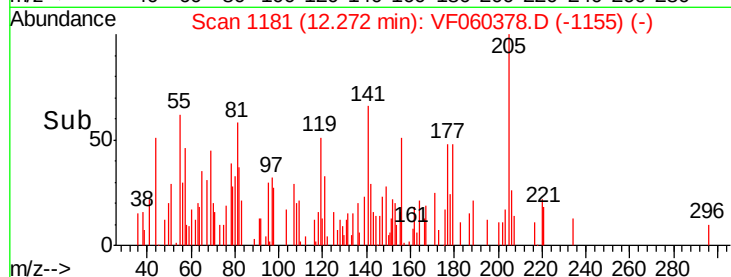
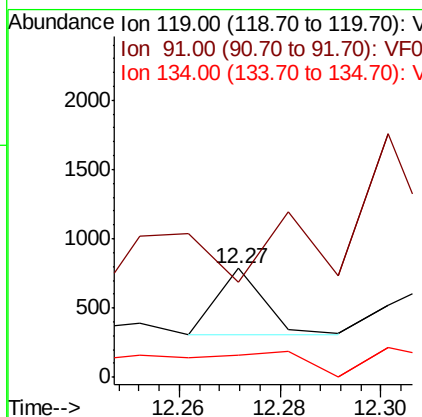
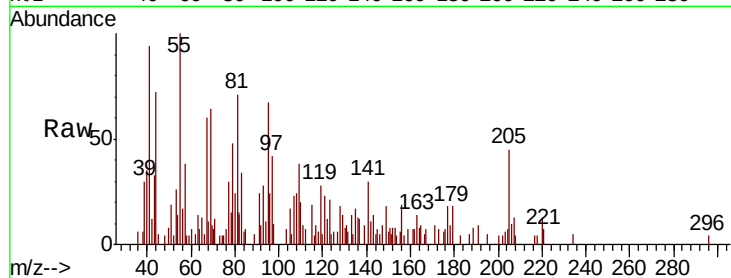




#83
 tert-Butylbenzene
 Concen: 2.209 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. 0.06 min
 Lab File: VF060378.D
 Acq: 28 Sep 2018 20:22

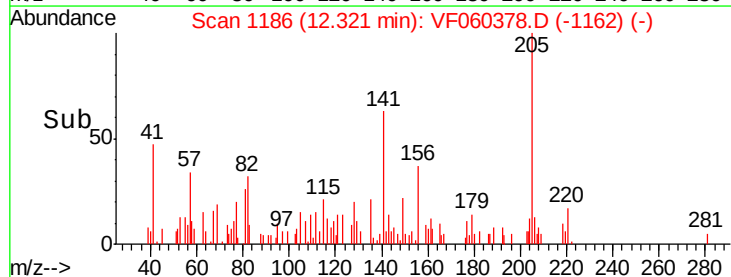
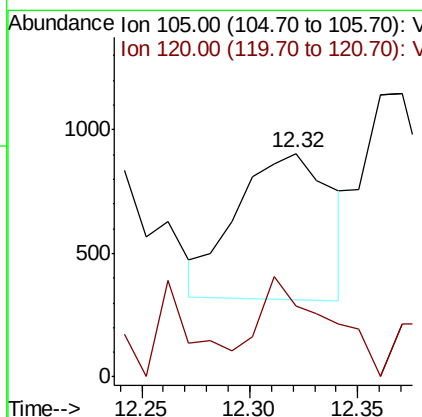
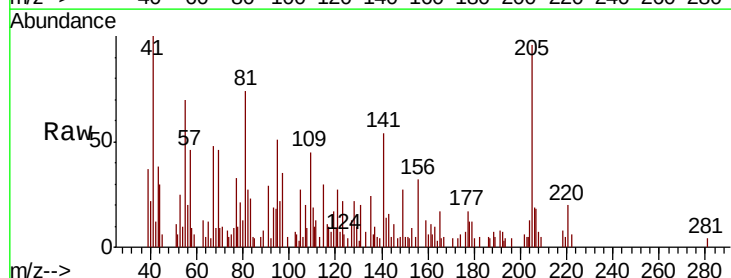
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-092818

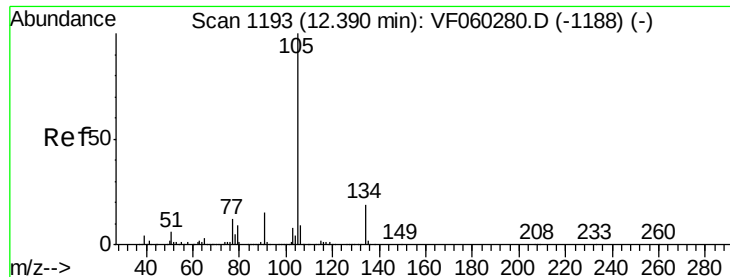
Tot Ion:119 Resp: 319
 Ion Ratio Lower Upper
 119 100
 91 87.0 30.3 91.0
 134 19.9 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 12.439 ug/l
 RT: 12.32 min Scan# 1186
 Delta R.T. 0.04 min
 Lab File: VF060378.D
 Acq: 28 Sep 2018 20:22

Tgt Ion:105 Resp: 1799
 Ion Ratio Lower Upper
 105 100
 120 31.9 22.4 67.0





#85

sec-Butylbenzene

Concen: 7.319 ug/l

RT: 12.37 min Scan# 1191

Delta R.T. -0.02 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

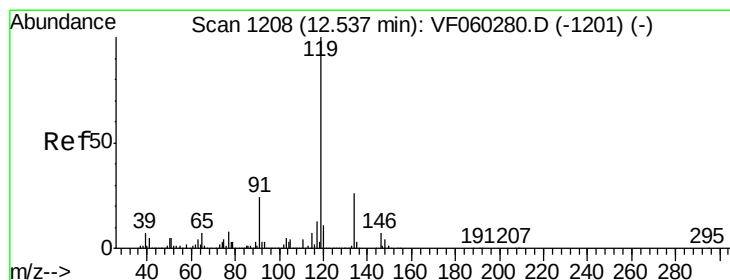
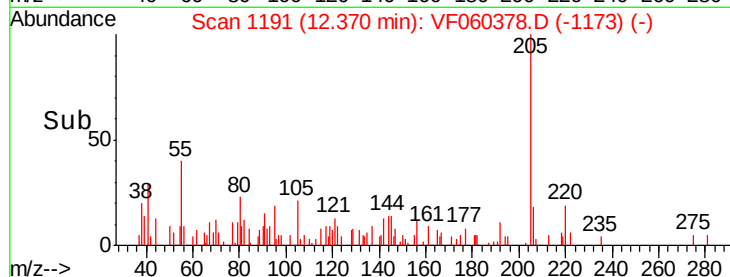
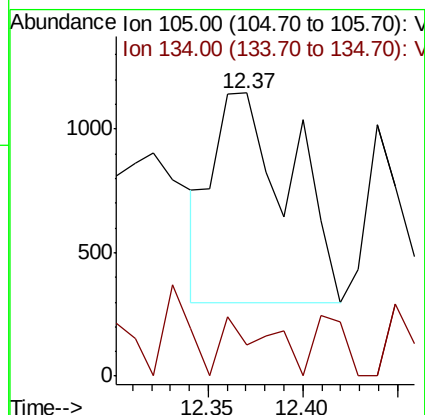
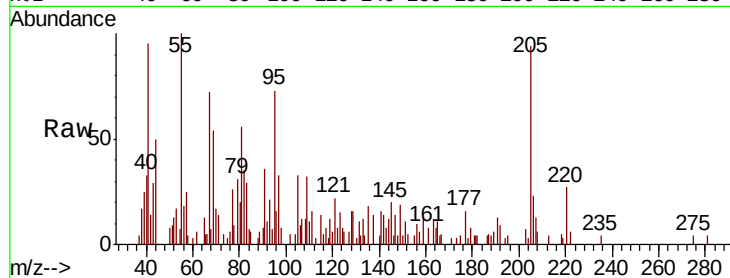
TR-04-092818

Tot Ion:105 Resp: 2430

Ion Ratio Lower Upper

105 100

134 11.2 9.6 28.6



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.50 min Scan# 1204

Delta R.T. -0.04 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

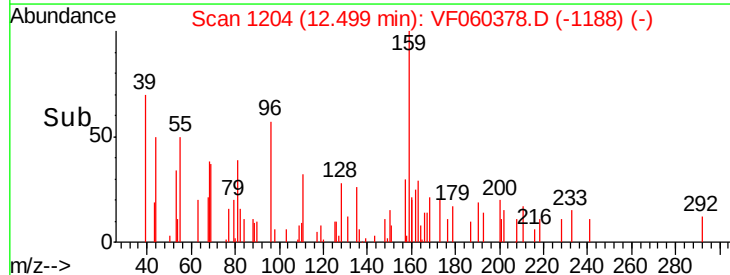
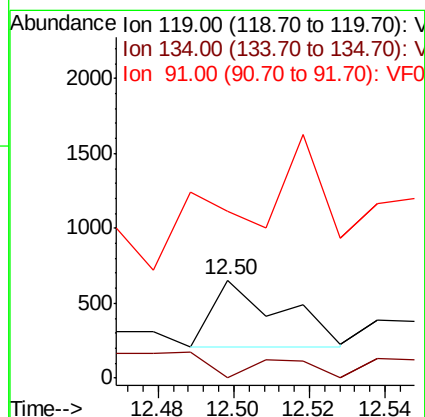
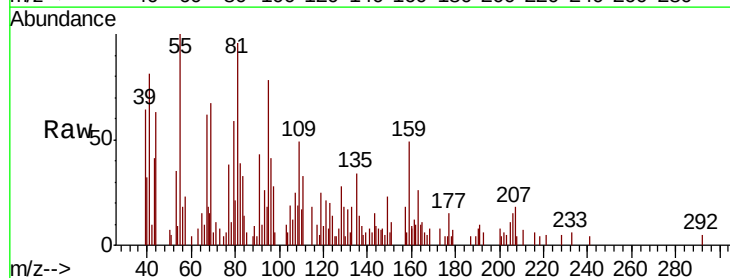
Tgt Ion:119 Resp: 566

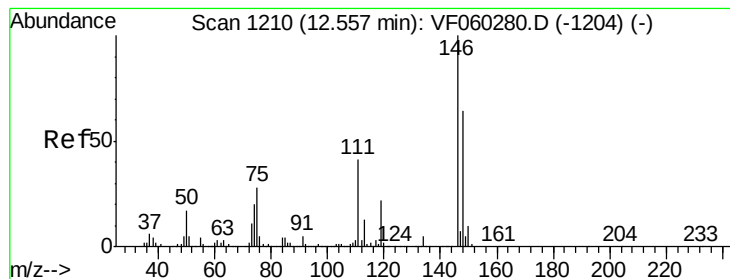
Ion Ratio Lower Upper

119 100

134 0.0 12.9 38.7#

91 170.0 11.9 35.7#





#87

1,3-Dichlorobenzene

Concen: 3.522 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

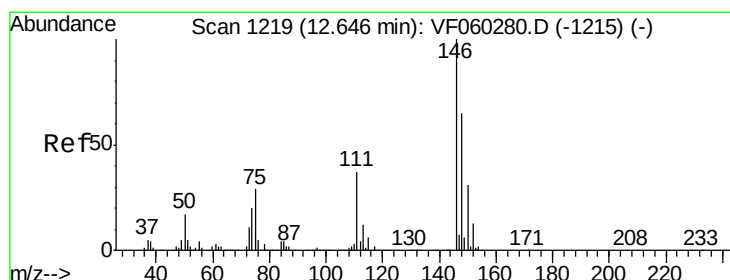
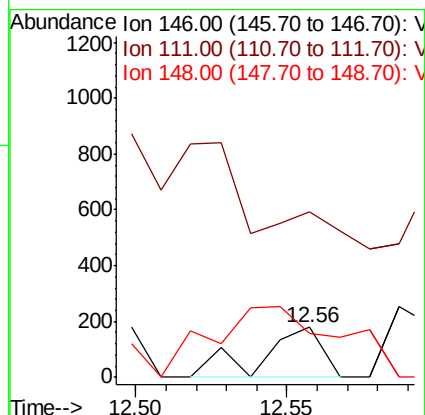
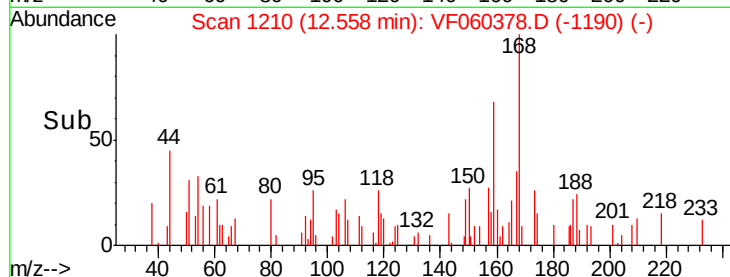
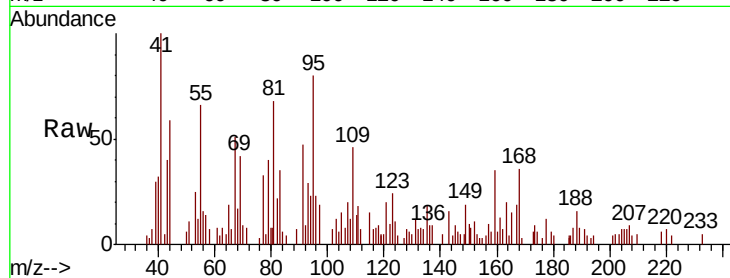
Tot Ion:146 Resp: 251

Ion Ratio Lower Upper

146 100

111 328.3 20.5 61.6#

148 87.8 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 5.552 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

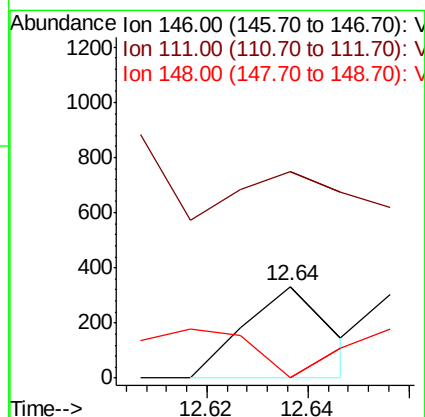
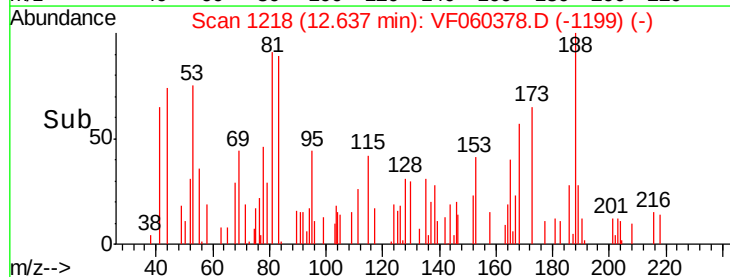
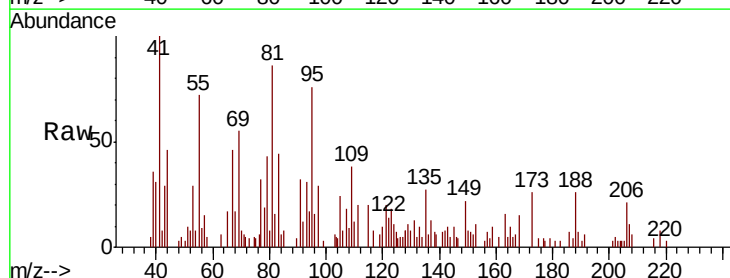
Tgt Ion:146 Resp: 391

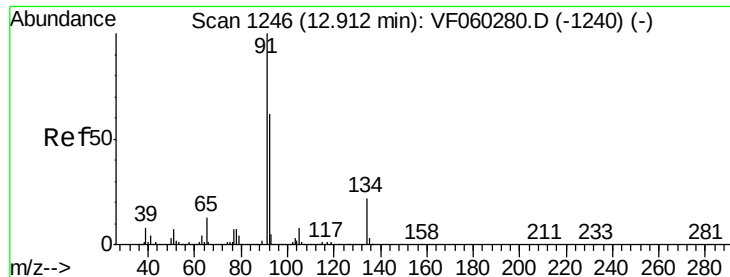
Ion Ratio Lower Upper

146 100

111 225.6 18.7 56.1#

148 0.0 32.4 97.0#

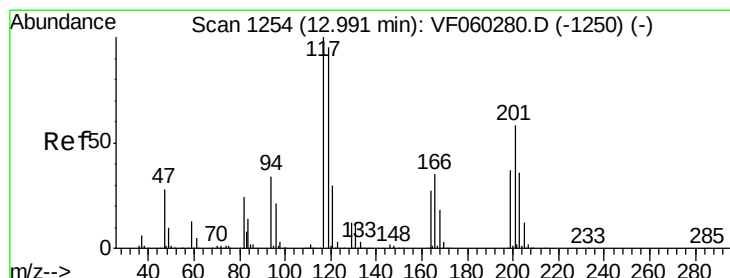
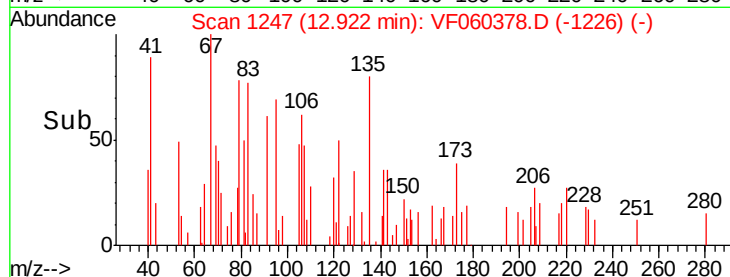
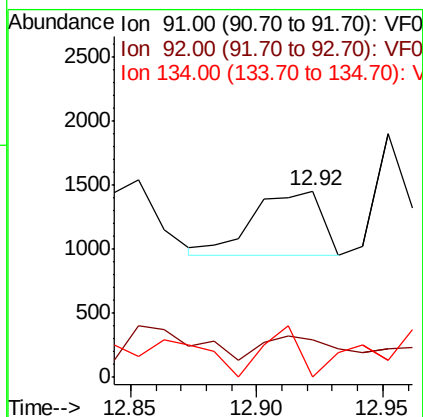
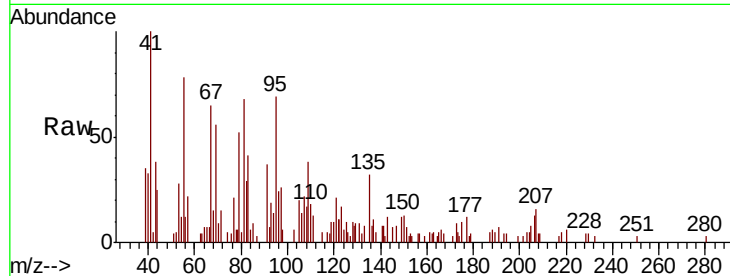




#89
n-Butylbenzene
Concen: 1.932 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

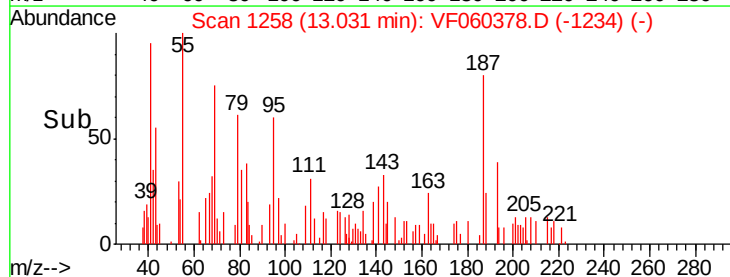
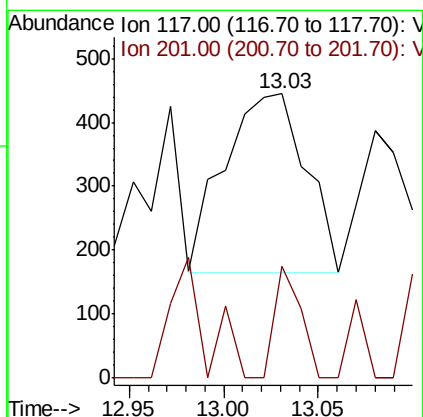
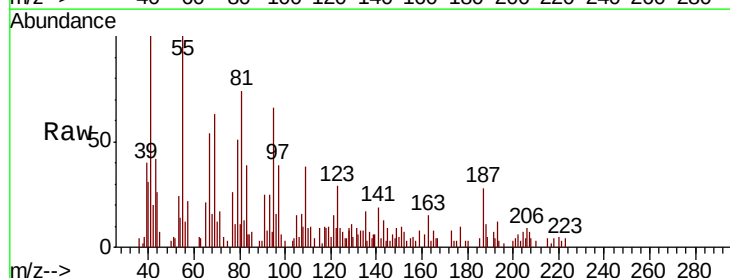
Instrument :
MSVOA_F
ClientSampleId :
TR-04-092818

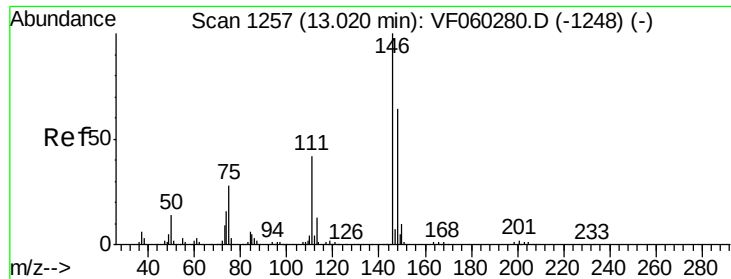
Tot Ion: 91 Resp: 951
Ion Ratio Lower Upper
91 100
92 20.1 31.1 93.5#
134 0.0 11.0 33.0#



#90
Hexachloroethane
Concen: 20.815 ug/l
RT: 13.03 min Scan# 1258
Delta R.T. 0.04 min
Lab File: VF060378.D
Acq: 28 Sep 2018 20:22

Tgt Ion: 117 Resp: 841
Ion Ratio Lower Upper
117 100
201 39.3 29.0 87.0





#91

1,2-Dichlorobenzene

Concen: 2.780 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

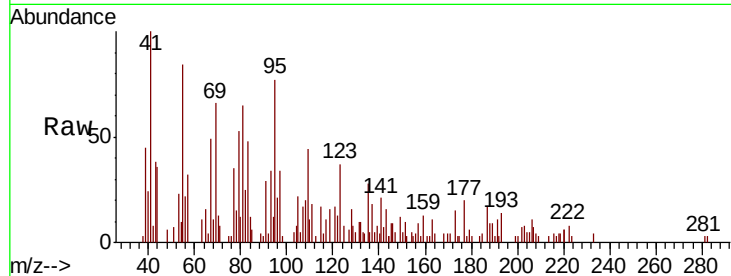
Tot Ion:146 Resp: 189

Ion Ratio Lower Upper

146 100

111 210.6 20.9 62.8#

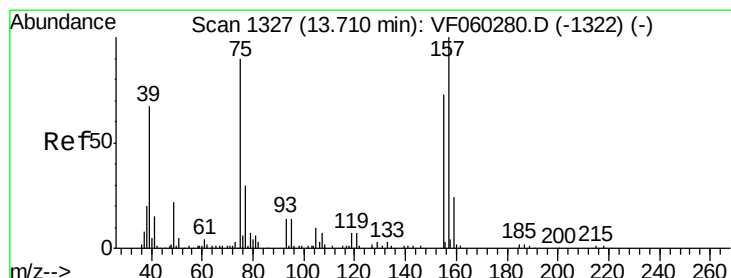
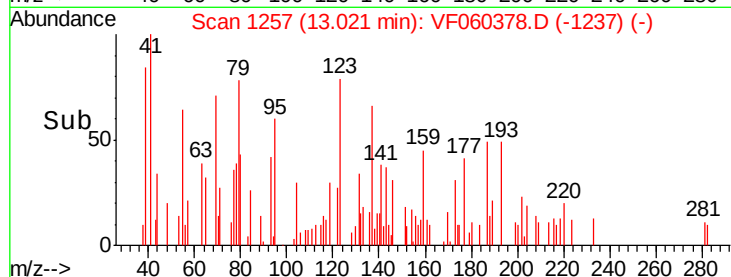
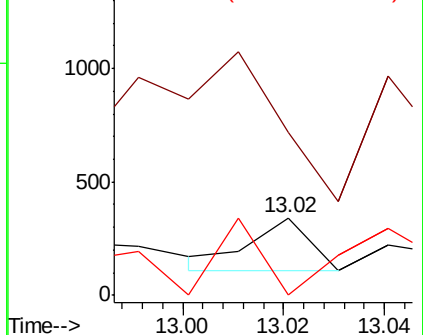
148 0.0 31.9 95.9#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 61.656 ug/l

RT: 13.72 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VF060378.D

Acq: 28 Sep 2018 20:22

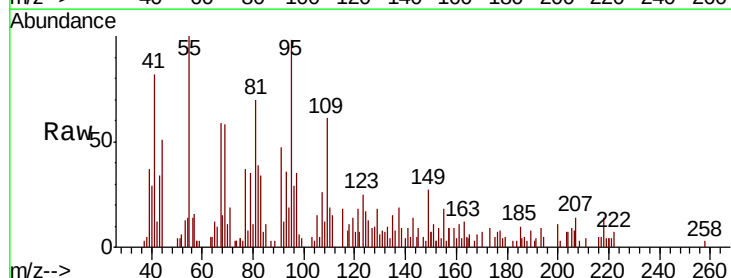
Tgt Ion: 75 Resp: 363

Ion Ratio Lower Upper

75 100

155 227.2 41.9 125.7#

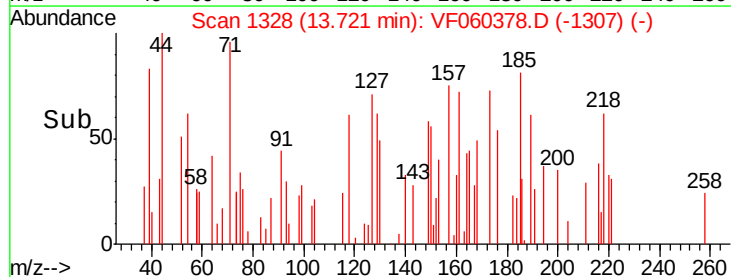
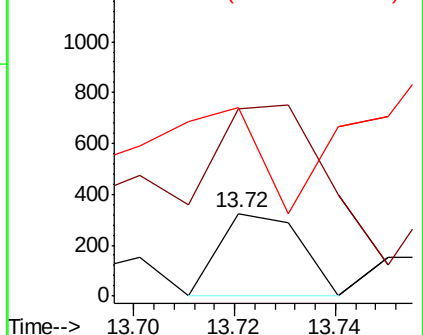
157 228.1 57.4 172.0#

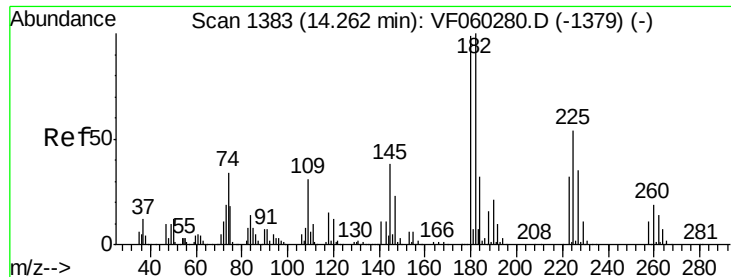


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

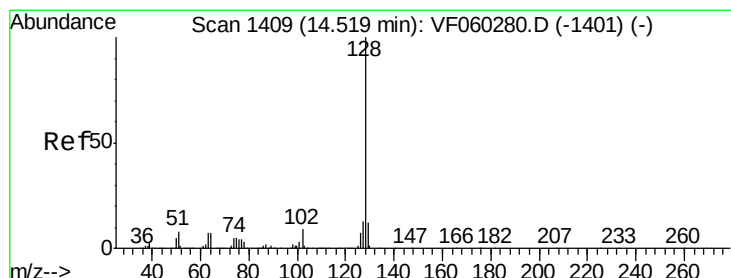
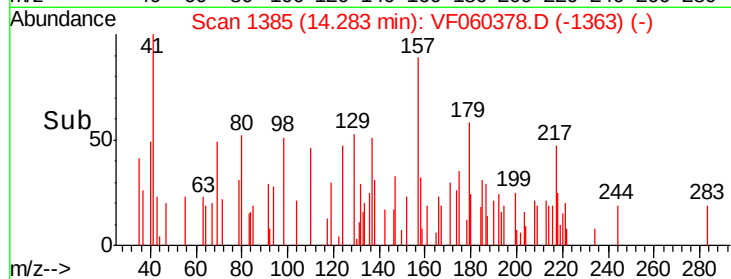
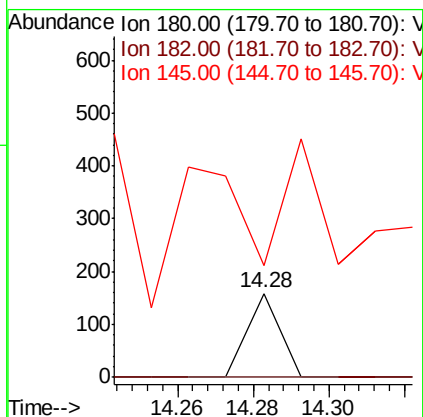
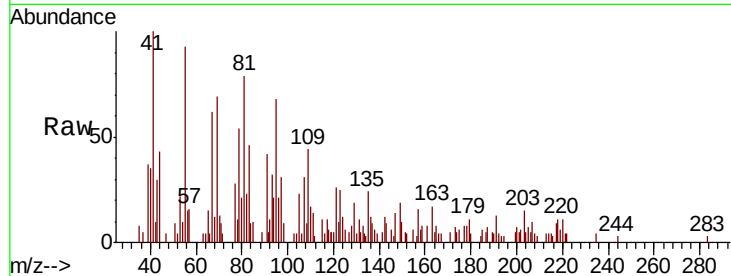




#93
 1,2,4-Trichlorobenzene
 Concen: 1.903 ug/l
 RT: 14.28 min Scan# 1385
 Delta R.T. 0.02 min
 Lab File: VF060378.D
 Acq: 28 Sep 2018 20:22

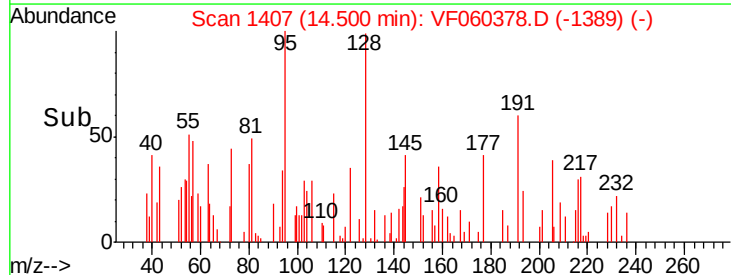
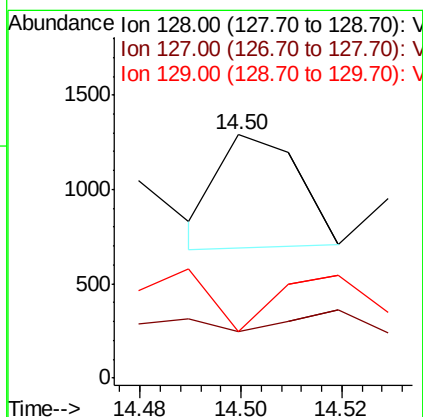
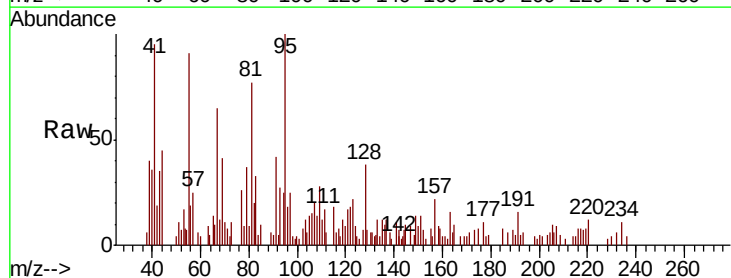
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-092818

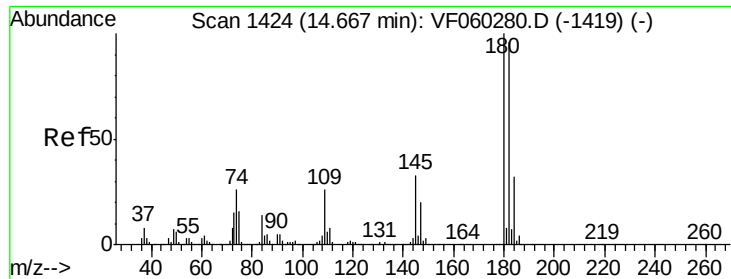
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	50.3	151.0#
145	133.3	18.9	56.9#



#95
 Naphthalene
 Concen: 7.585 ug/l
 RT: 14.50 min Scan# 1407
 Delta R.T. -0.02 min
 Lab File: VF060378.D
 Acq: 28 Sep 2018 20:22

Tgt Ion	Ratio	Lower	Upper
128	100		
127	19.2	10.1	15.1#
129	19.1	9.8	14.8#

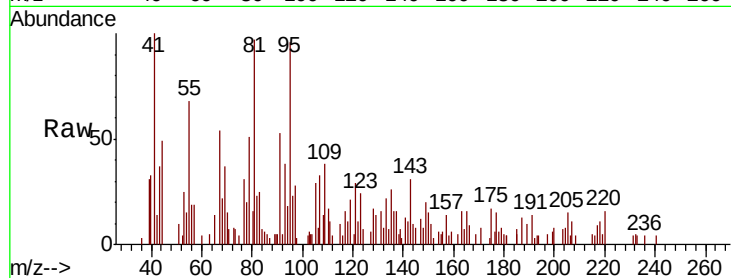




#96
 1,2,3-Trichlorobenzene
 Concen: 4.008 ug/l
 RT: 14.64 min Scan# 1421
 Delta R.T. -0.03 min
 Lab File: VF060378.D
 Acq: 28 Sep 2018 20:22

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-092818

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.4#
145	147.0	16.4	49.1#



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

