

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF091918\
 Data File : VF060289.D
 Acq On : 19 Sep 2018 19:59
 Operator : VA/AP
 Sample : J5001-02RE
 Misc : 5.01/5mL/MSVOA_F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BS-OILY-STONE

Quant Time: Sep 20 04:15:19 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	289704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	483623	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	410799	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	223303	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	159454	40.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.76%	
35) Dibromofluoromethane	4.28	113	178542	41.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.82%	
50) Toluene-d8	7.69	98	414392	36.91	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	73.82%	
62) 4-Bromofluorobenzene	11.50	95	175541	36.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.34%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	0.99	85	373	Below Cal	#	40
3) Chloromethane	1.11	50	1412	0.358	ug/l #	42
4) Vinyl Chloride	1.19	62	525	0.130	ug/l #	43
5) Bromomethane	1.34	94	501	Below Cal		87
6) Chloroethane	1.42	64	203	0.106	ug/l #	1
7) Trichlorofluoromethane	1.51	101	137	0.018	ug/l #	76
8) Diethyl Ether	1.72	74	549	0.440	ug/l	51
9) 1,1,2-Trichlorotrifluoroet	1.90	101	79	0.020	ug/l #	1
10) Methyl Iodide	1.93	142	79	0.012	ug/l #	1
11) Tert butyl alcohol	2.68	59	2023	Below Cal	#	1
12) 1,1-Dichloroethene	1.86	96	836	0.254	ug/l #	1
13) Acrolein	2.01	56	363	Below Cal		90
14) Allyl chloride	2.21	41	1410	0.245	ug/l #	63
15) Acrylonitrile	3.07	53	1547	2.808	ug/l #	45
16) Acetone	2.33	43	7477	6.806	ug/l	92
17) Carbon Disulfide	1.87	76	244	Below Cal	#	1
18) Methyl Acetate	2.43	43	846	0.462	ug/l #	78
19) Methyl tert-butyl Ether	2.55	73	1522	0.185	ug/l #	1
20) Methylene Chloride	2.31	84	5830	Below Cal		92
21) trans-1,2-Dichloroethene	2.39	96	578	0.170	ug/l #	15
22) Diisopropyl ether	2.90	45	2145	0.198	ug/l #	1
23) Vinyl Acetate	3.34	43	1093	0.256	ug/l #	79
24) 1,1-Dichloroethane	2.98	63	721	0.102	ug/l #	1
25) 2-Butanone	4.52	43	4883	3.302	ug/l	92
26) 2,2-Dichloropropane	3.73	77	793	0.197	ug/l #	1
27) cis-1,2-Dichloroethene	3.64	96	615	0.137	ug/l	8
28) Bromochloromethane	3.92	49	73	0.027	ug/l #	8
29) Tetrahydrofuran	4.19	42	673	1.243	ug/l #	35
30) Chloroform	4.01	83	1046	0.123	ug/l #	45
31) Cyclohexane	3.86	56	442	0.074	ug/l #	61
32) 1,1,1-Trichloroethane	4.28	97	138	0.021	ug/l #	10
36) 1,1-Dichloropropene	4.44	75	201	0.033	ug/l #	12
37) Ethyl Acetate	4.28	43	1698	0.665	ug/l #	13
38) Carbon Tetrachloride	4.16	117	236	0.036	ug/l #	48

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 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)
39) Methylcyclohexane	5.62	83	431	0.066	ug/l #	32
40) Benzene	4.80	78	1874	0.137	ug/l #	39
41) Methacrylonitrile	4.91	41	278	0.201	ug/l #	70
42) 1,2-Dichloroethane	5.10	62	238	0.047	ug/l #	1
43) Isopropyl Acetate	7.11	43	4401	1.432	ug/l #	76
45) 1,2-Dichloropropane	6.40	63	337	0.095	ug/l #	42
46) Dibromomethane	6.24	93	67	0.026	ug/l #	5
47) Bromodichloromethane	6.56	83	186	0.031	ug/l #	26
48) Methyl methacrylate	6.86	41	1474	0.683	ug/l #	63
49) 1,4-Dioxane	6.85	88	80	4.151	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	31192	13.170	ug/l	97
52) Toluene	7.76	92	1594	0.184	ug/l	88
53) t-1,3-Dichloropropene	8.34	75	1307	0.266	ug/l	93
54) cis-1,3-Dichloropropene	7.44	75	82	0.013	ug/l #	1
55) 1,1,2-Trichloroethane	8.61	97	403	0.153	ug/l #	53
56) Ethyl methacrylate	8.75	69	6383	2.012	ug/l #	79
57) 1,3-Dichloropropane	9.00	76	254	0.058	ug/l #	40
58) 2-Chloroethyl Vinyl ether	7.75	63	318	1.134	ug/l	100
59) 2-Hexanone	9.61	43	44409	26.335	ug/l	97
60) Dibromochloromethane	8.86	129	141	0.036	ug/l #	13
61) 1,2-Dibromoethane	9.13	107	216	0.074	ug/l #	1
64) Tetrachloroethene	8.29	164	262	0.070	ug/l #	1
65) Chlorobenzene	9.94	112	847	0.091	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.05	131	108	0.028	ug/l #	1
67) Ethyl Benzene	10.02	91	2832	0.165	ug/l	91
68) m/p-Xylenes	10.26	106	1475	0.248	ug/l	83
69) o-Xylene	10.82	106	1253	0.188	ug/l	67
70) Styrene	10.90	104	3282	0.349	ug/l	90
71) Bromoform	10.89	173	157	0.074	ug/l #	31
73) Isopropylbenzene	11.22	105	2482	0.124	ug/l	81
74) N-amyl acetate	11.46	43	24350	5.696	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.78	83	102	0.029	ug/l #	27
76) 1,2,3-Trichloropropane	11.85	75	919	0.361	ug/l #	21
77) Bromobenzene	11.59	156	651	0.151	ug/l	74
78) n-propylbenzene	11.68	91	4525	Below Cal		91
79) 2-Chlorotoluene	11.80	91	1773	0.131	ug/l	75
80) 1,3,5-Trimethylbenzene	11.90	105	2477	0.154	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.96	75	560	0.417	ug/l #	20
82) 4-Chlorotoluene	11.98	91	2837	0.209	ug/l	85
83) tert-Butylbenzene	12.21	119	1722	0.105	ug/l #	80
84) 1,2,4-Trimethylbenzene	12.28	105	3806	0.232	ug/l	92
85) sec-Butylbenzene	12.38	105	2843	Below Cal		90
86) p-Isopropyltoluene	12.53	119	3057	Below Cal		97
87) 1,3-Dichlorobenzene	12.55	146	1996	0.247	ug/l	88
88) 1,4-Dichlorobenzene	12.55	146	1996	0.250	ug/l	90
89) n-Butylbenzene	12.92	91	4979	Below Cal		85
90) Hexachloroethane	13.02	117	229	0.050	ug/l #	22
91) 1,2-Dichlorobenzene	13.02	146	1516	0.197	ug/l	73
92) 1,2-Dibromo-3-Chloropropan	13.74	75	150	0.225	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.26	180	1915	0.342	ug/l	90

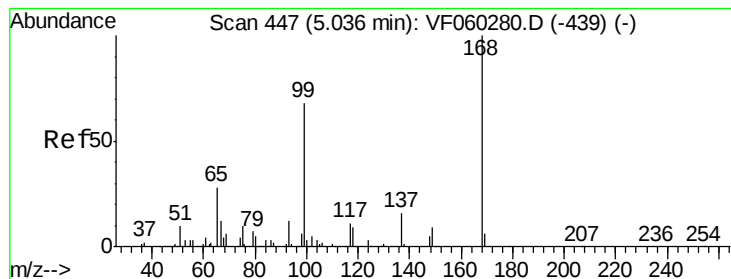
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Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.25	225	434	0.115	ug/l #	57
95) Naphthalene	14.51	128	38766	3.950	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	2258	0.437	ug/l	92

(#) = 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. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

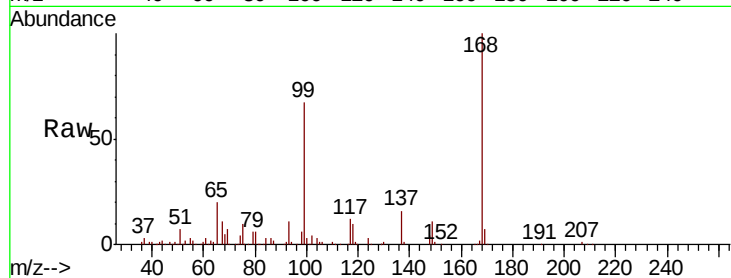
BS-OILY-STONE

Tgt Ion:168 Resp: 289704

Ion Ratio Lower Upper

168 100

99 67.1 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

100000

80000

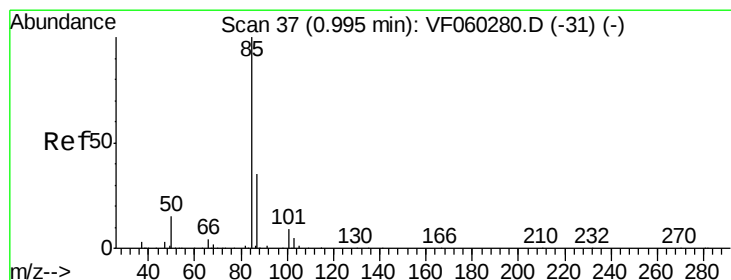
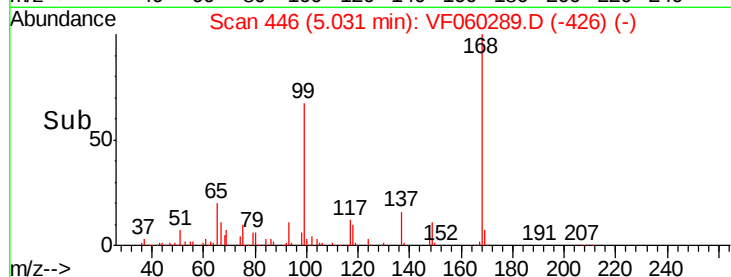
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060289.D

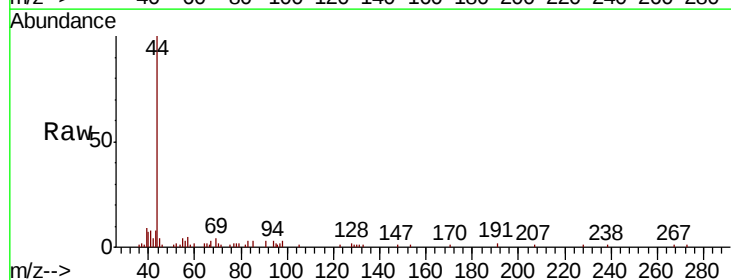
Acq: 19 Sep 2018 19:59

Tgt Ion: 85 Resp: 373

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

0.99

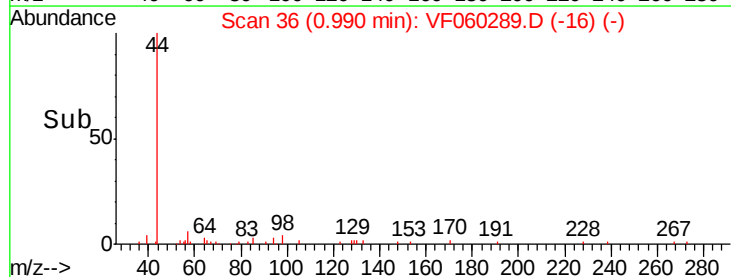
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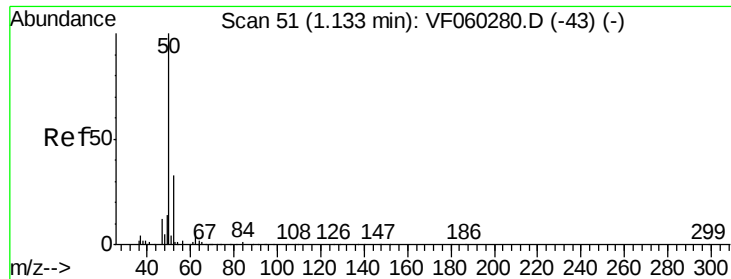
200

100

0

Time-->





#3

Chloromethane

Concen: 0.358 ug/l

RT: 1.11 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

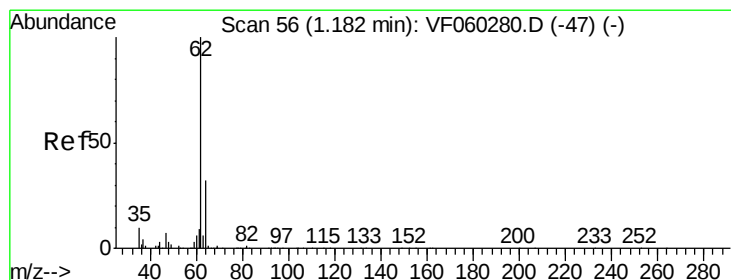
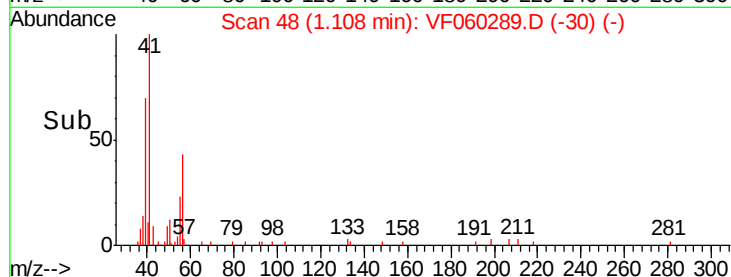
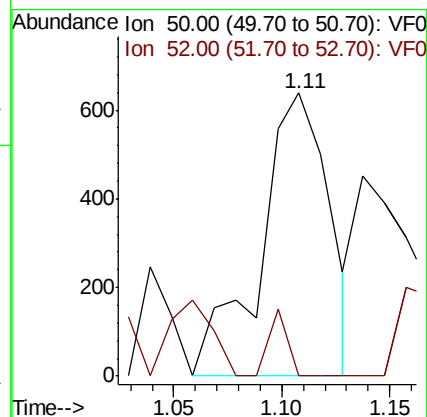
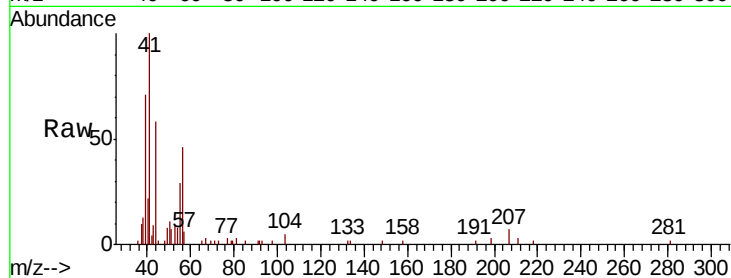
BS-OILY-STONE

Tgt Ion: 50 Resp: 1412

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#



#4

Vinyl Chloride

Concen: 0.130 ug/l

RT: 1.19 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060289.D

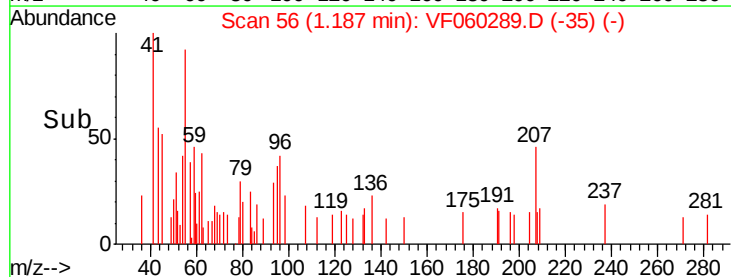
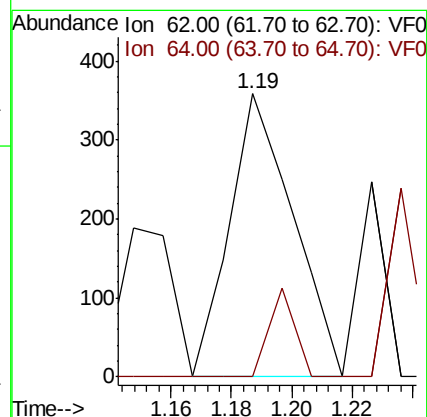
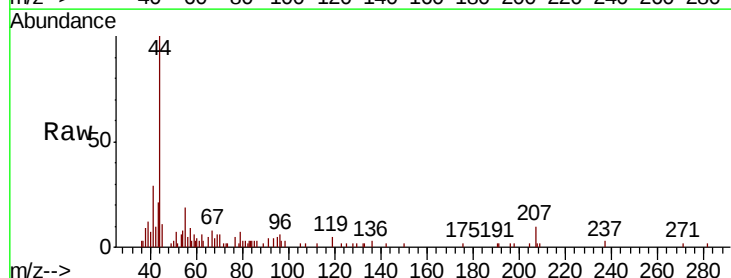
Acq: 19 Sep 2018 19:59

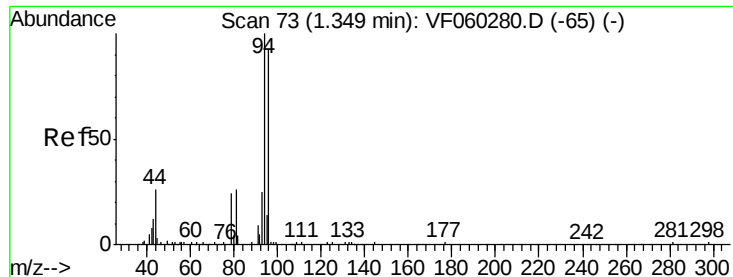
Tgt Ion: 62 Resp: 525

Ion Ratio Lower Upper

62 100

64 0.0 25.2 37.8#





#5

Bromomethane

Concen: Below Cal

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

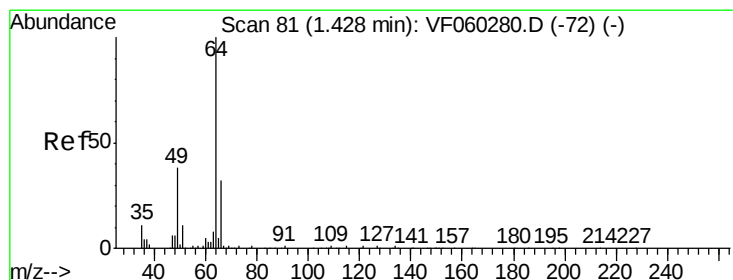
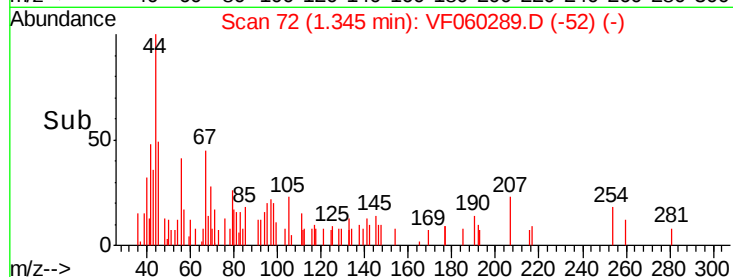
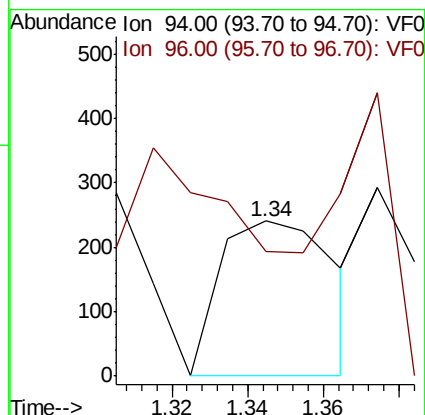
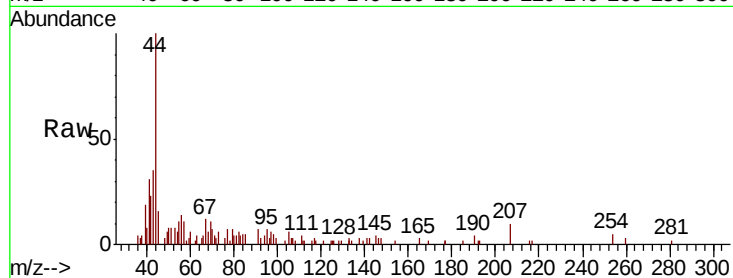
BS-OILY-STONE

Tgt Ion: 94 Resp: 501

Ion Ratio Lower Upper

94 100

96 80.1 73.9 110.9



#6

Chloroethane

Concen: 0.106 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060289.D

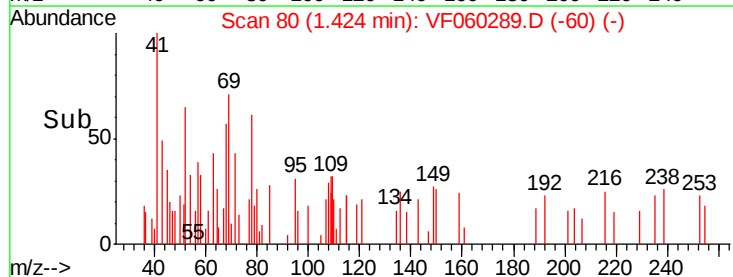
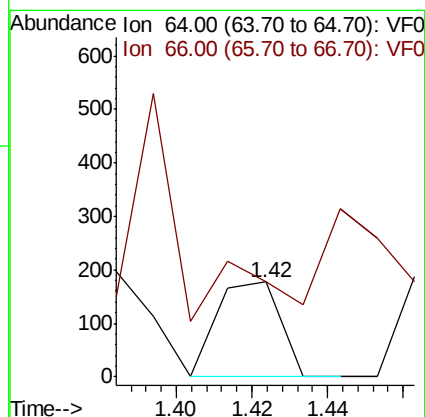
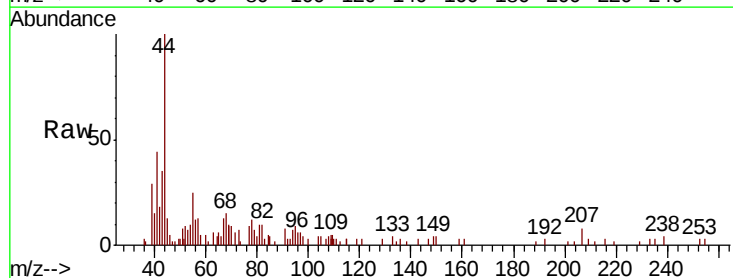
Acq: 19 Sep 2018 19:59

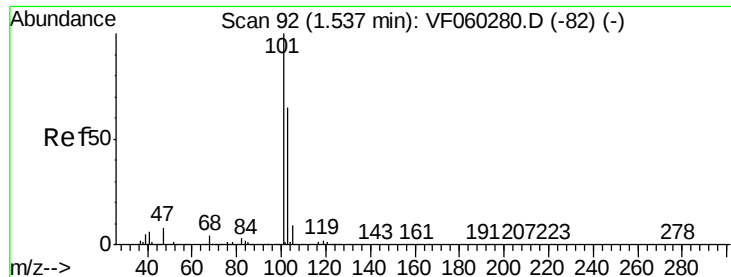
Tgt Ion: 64 Resp: 203

Ion Ratio Lower Upper

64 100

66 100.0 26.2 39.2#



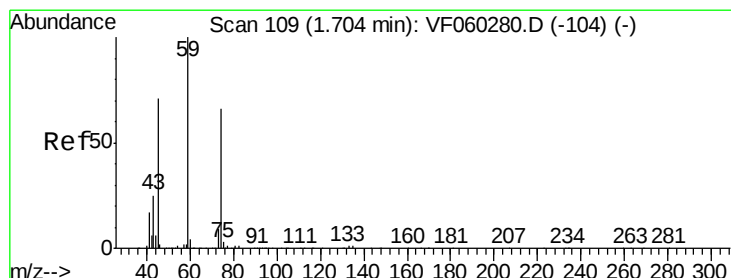
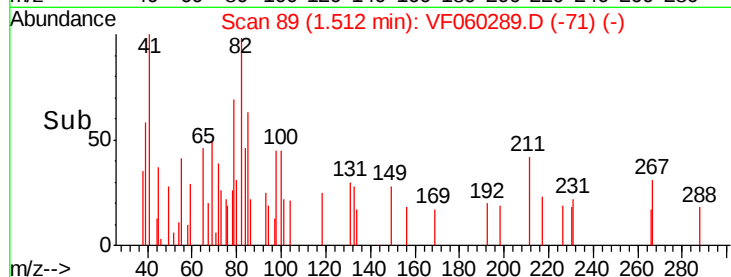
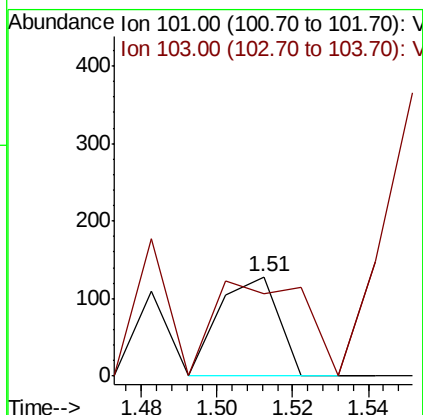
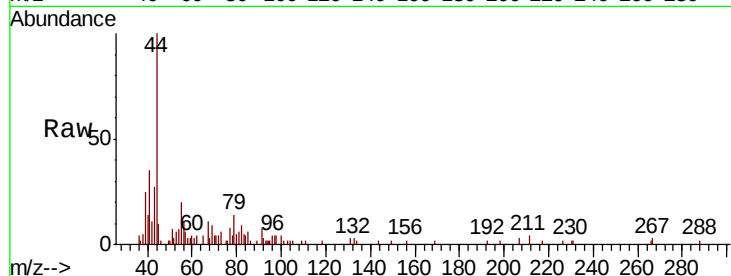


#7

Trichlorofluoromethane
 Concen: 0.018 ug/l
 RT: 1.51 min Scan# 89
 Delta R.T. -0.02 min
 Lab File: VF060289.D
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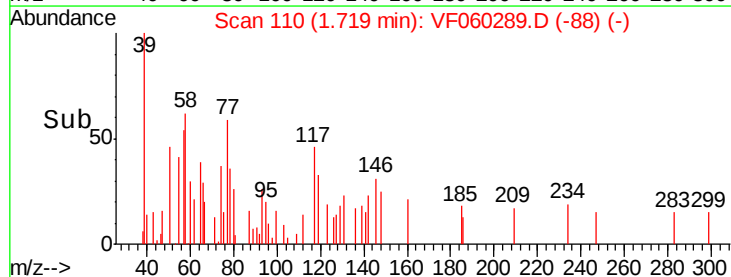
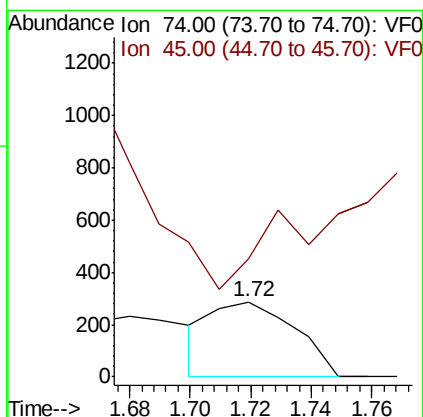
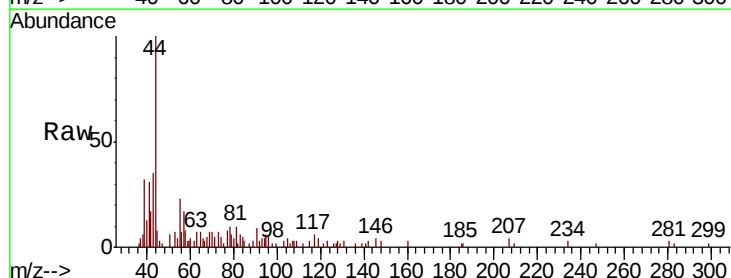
Tgt Ion: 101 Resp: 137
 Ion Ratio Lower Upper
 101 100
 103 83.6 52.0 78.0#

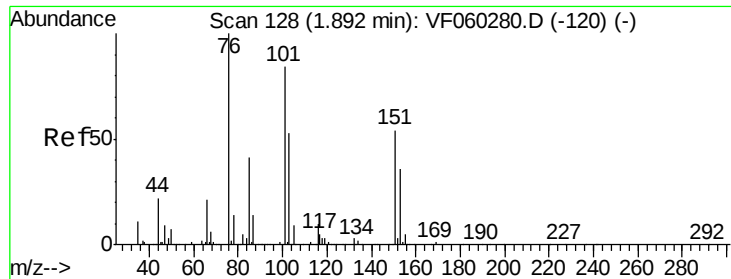


#8

Diethyl Ether
 Concen: 0.440 ug/l
 RT: 1.72 min Scan# 110
 Delta R.T. 0.01 min
 Lab File: VF060289.D
 Acq: 19 Sep 2018 19:59

Tgt Ion: 74 Resp: 549
 Ion Ratio Lower Upper
 74 100
 45 158.5 53.9 161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.020 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

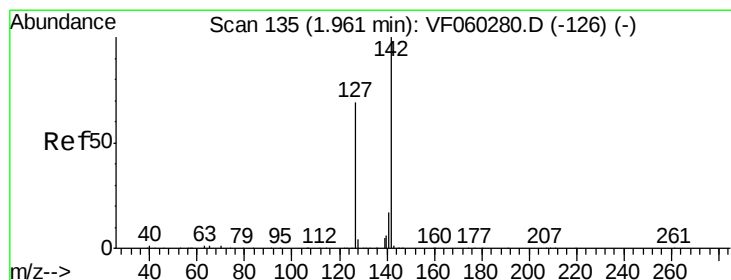
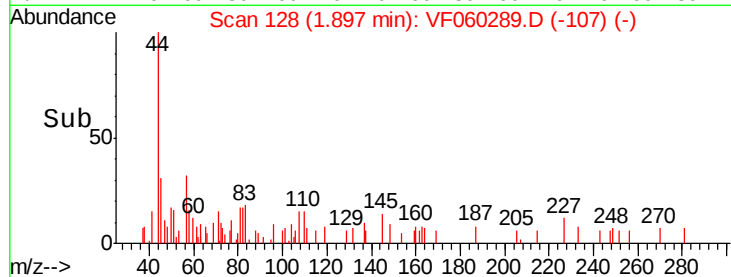
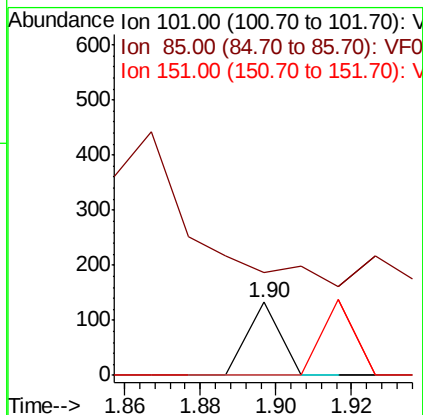
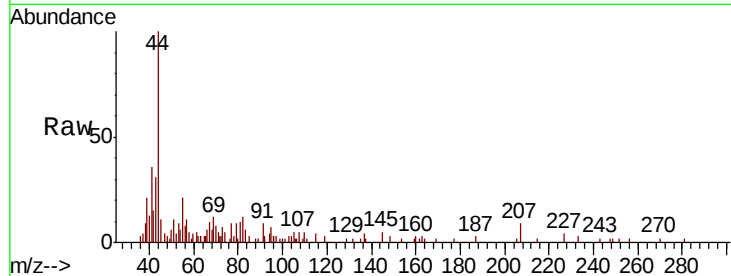
Instrument :

MSVOA_F

ClientSampleId :

BS-OILY-STONE

Tgt Ion:	101	Resp:	79
Ion	Ratio	Lower	Upper
101	100		
85	139.8	38.7	58.1#
151	0.0	50.8	76.2#



#10

Methyl Iodide

Concen: 0.012 ug/l

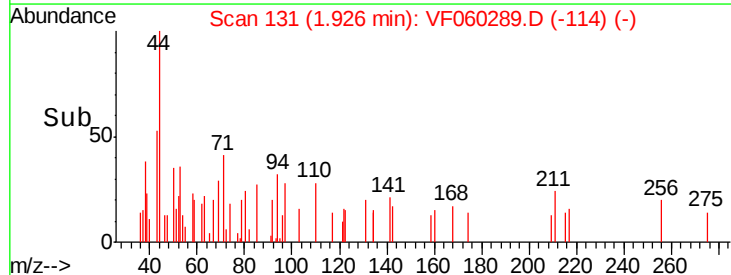
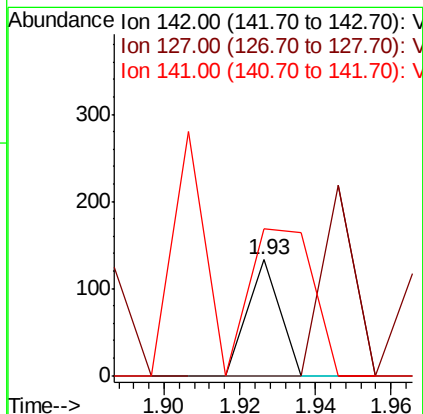
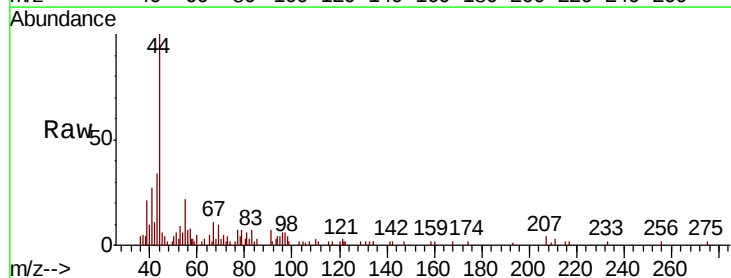
RT: 1.93 min Scan# 131

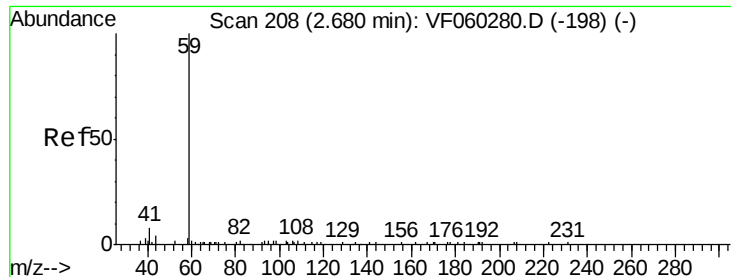
Delta R.T. -0.03 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Tgt Ion:	142	Resp:	79
Ion	Ratio	Lower	Upper
142	100		
127	0.0	55.4	83.0#
141	127.1	13.3	19.9#



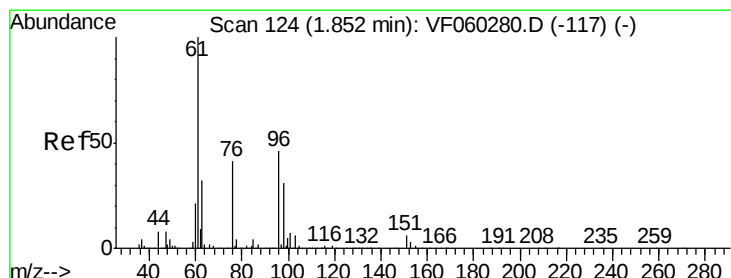
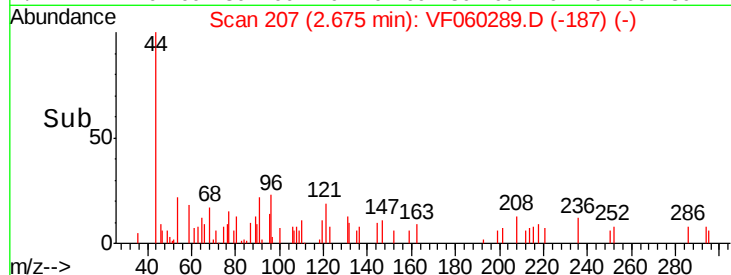
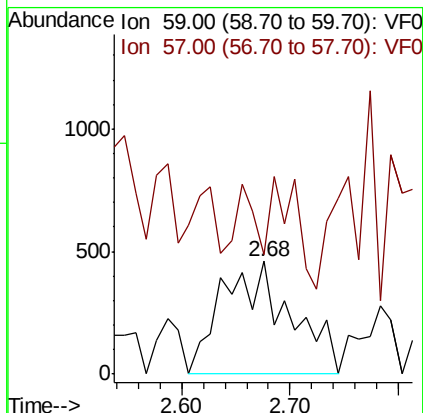
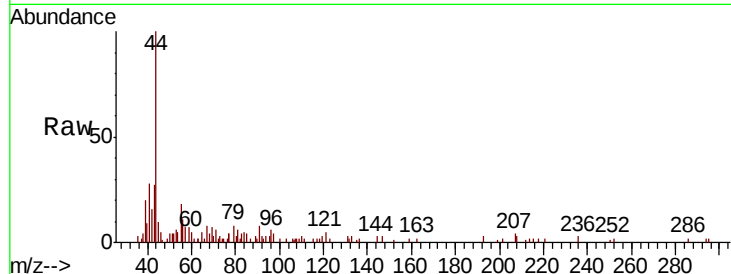


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 2.68 min Scan# 207
 Delta R.T. -0.00 min
 Lab File: VF060289.D
 Acq: 19 Sep 2018 19:59

Instrument :
 MSVOA_F
 ClientSampleId :
 BS-OILY-STONE

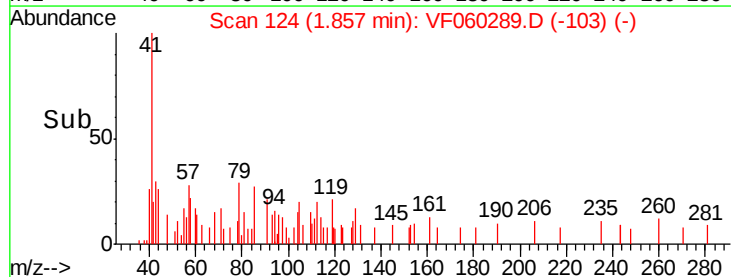
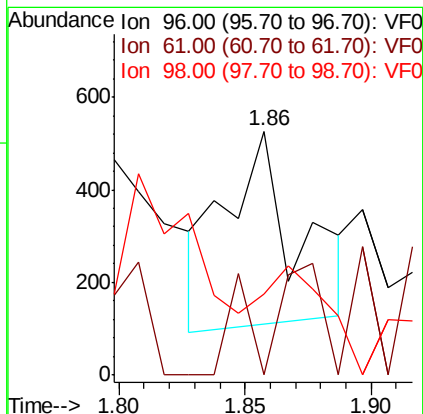
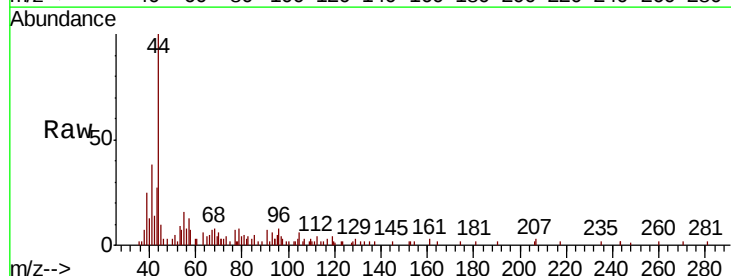
Tgt Ion: 59 Resp: 2023
 Ion Ratio Lower Upper
 59 100
 57 105.7 12.4 18.6#

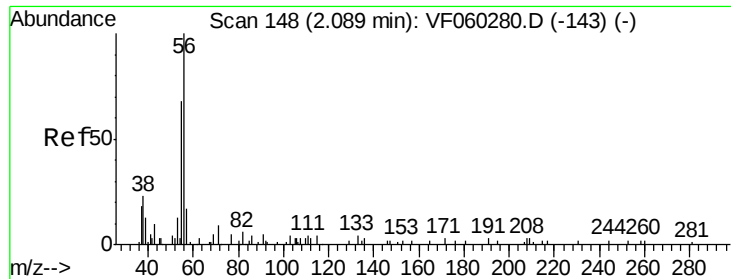


#12

1,1-Dichloroethene
 Concen: 0.254 ug/l
 RT: 1.86 min Scan# 124
 Delta R.T. 0.01 min
 Lab File: VF060289.D
 Acq: 19 Sep 2018 19:59

Tgt Ion: 96 Resp: 836
 Ion Ratio Lower Upper
 96 100
 61 0.0 172.2 258.2#
 98 33.5 54.1 81.1#

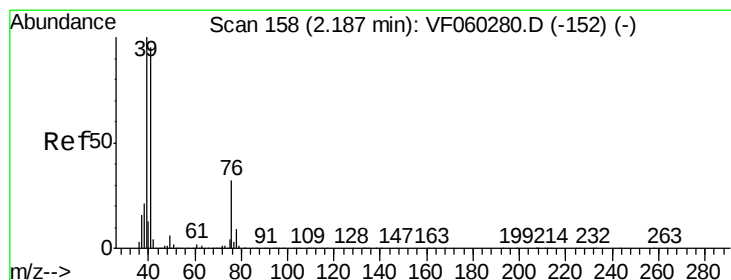
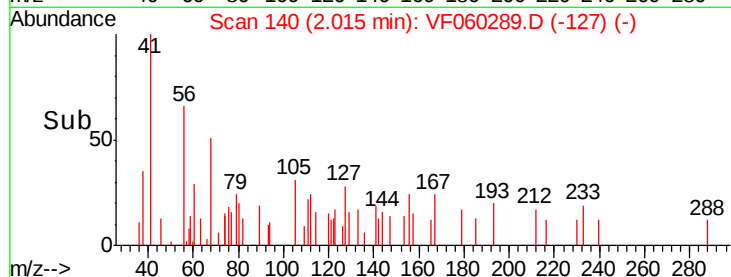
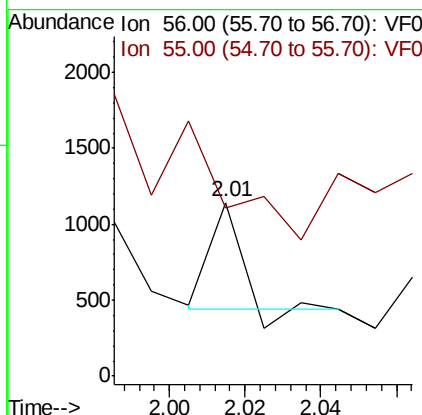
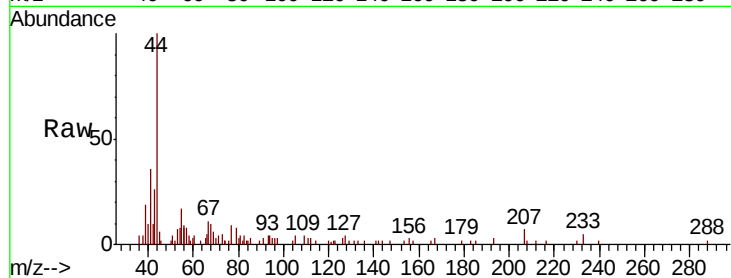




#13
Acrolein
Concen: Below Cal
RT: 2.01 min Scan# 140
Delta R.T. -0.07 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

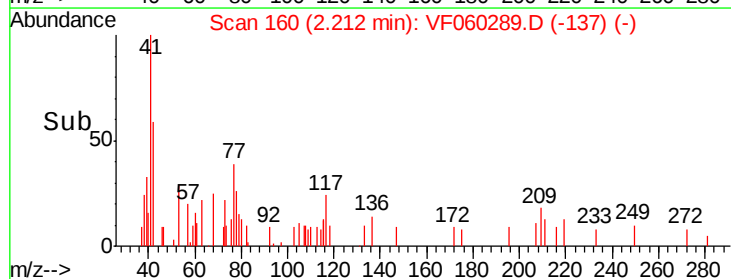
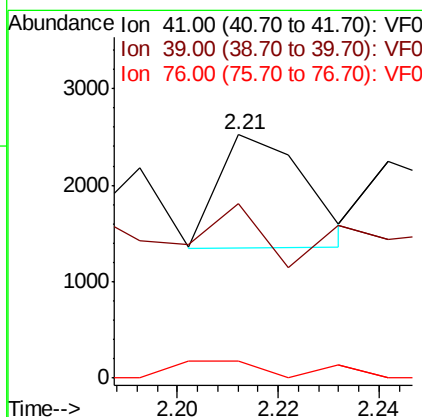
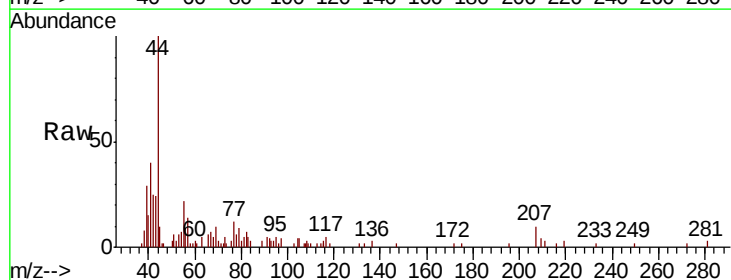
Instrument :
MSVOA_F
ClientSampleId :
BS-OILY-STONE

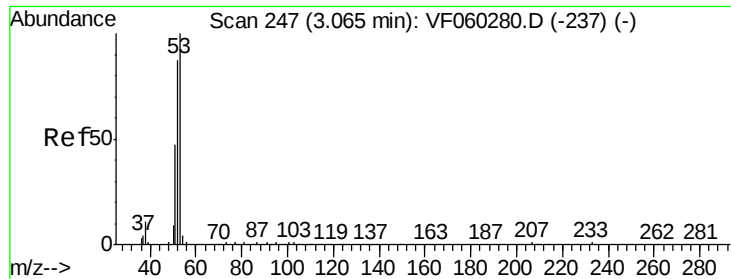
Tgt Ion: 56 Resp: 363
Ion Ratio Lower Upper
56 100
55 96.8 69.9 104.9



#14
Allyl chloride
Concen: 0.245 ug/l
RT: 2.21 min Scan# 160
Delta R.T. 0.02 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

Tgt Ion: 41 Resp: 1410
Ion Ratio Lower Upper
41 100
39 71.6 84.8 127.2#
76 7.0 27.4 41.2#





#15

Acrylonitrile

Concen: 2.808 ug/l

RT: 3.07 min Scan# 247

Delta R.T. 0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

BS-OILY-STONE

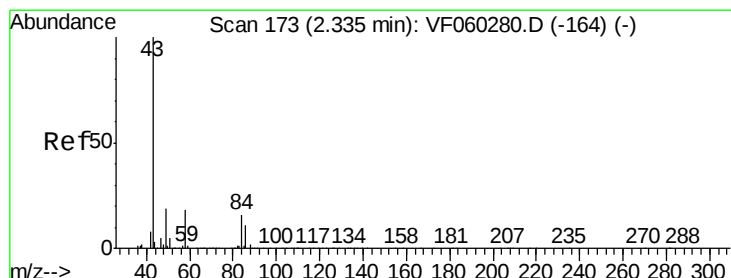
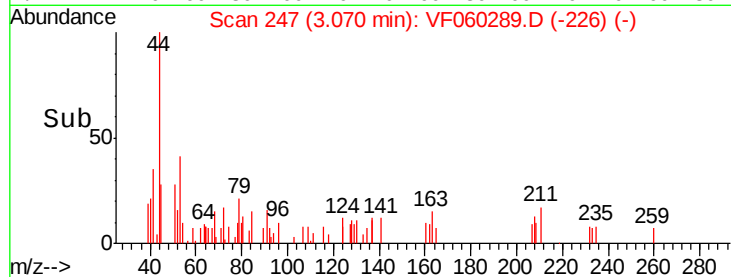
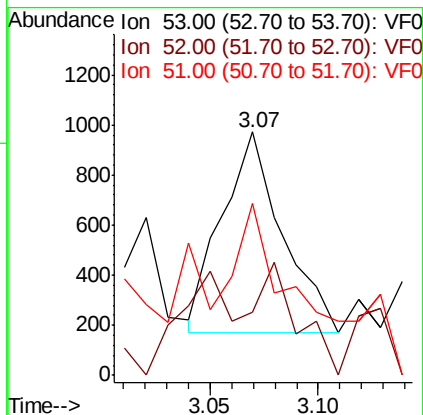
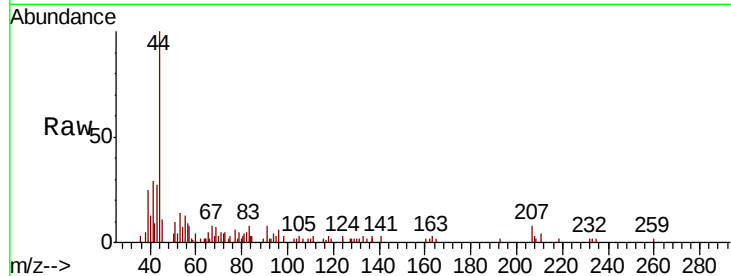
Tgt Ion: 53 Resp: 1547

Ion Ratio Lower Upper

53 100

52 25.8 69.5 104.3#

51 70.7 38.1 57.1#



#16

Acetone

Concen: 6.806 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.00 min

Lab File: VF060289.D

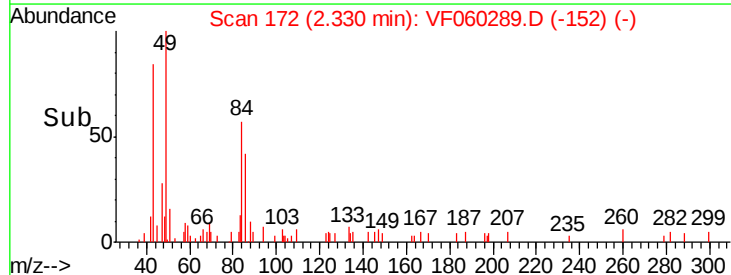
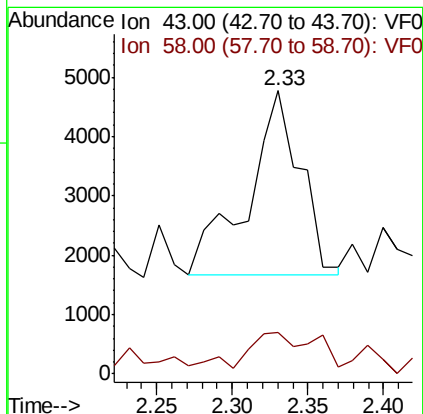
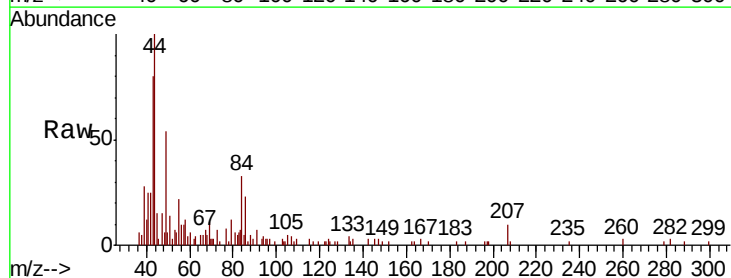
Acq: 19 Sep 2018 19:59

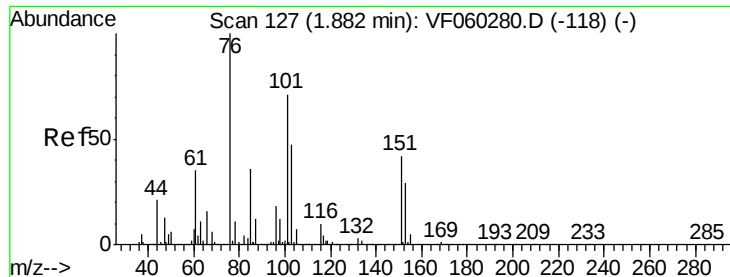
Tgt Ion: 43 Resp: 7477

Ion Ratio Lower Upper

43 100

58 14.6 14.5 21.7





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.87 min Scan# 125

Delta R.T. -0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

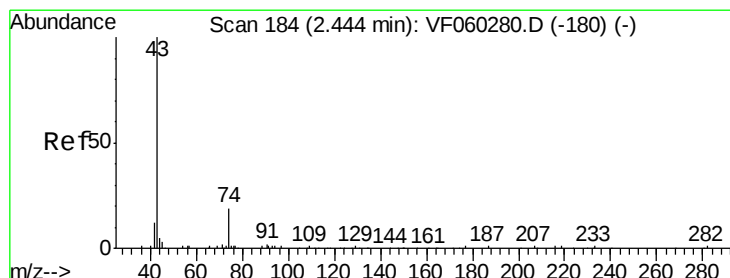
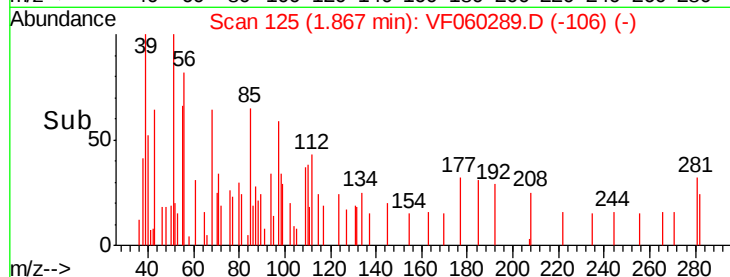
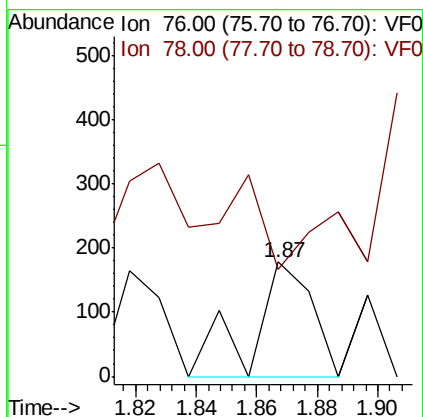
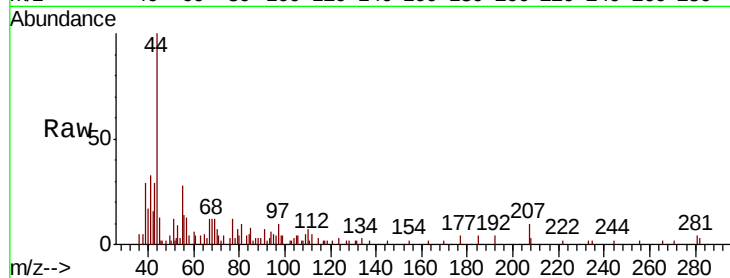
BS-OILY-STONE

Tgt Ion: 76 Resp: 244

Ion Ratio Lower Upper

76 100

78 93.3 9.4 14.0#



#18

Methyl Acetate

Concen: 0.462 ug/l

RT: 2.43 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060289.D

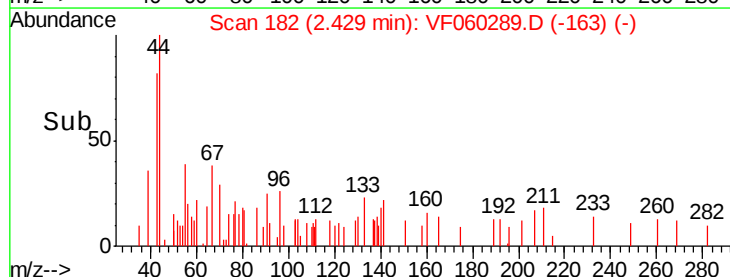
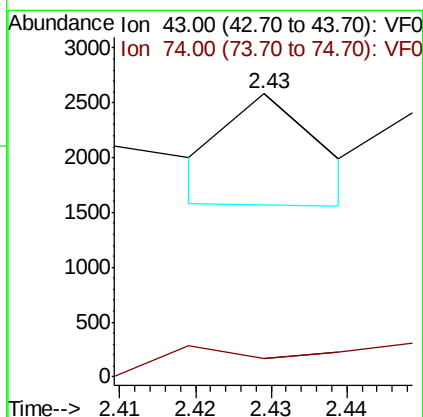
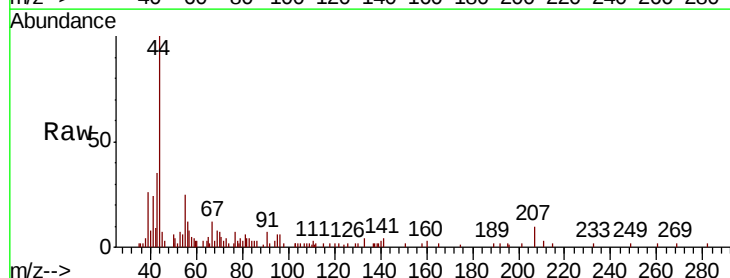
Acq: 19 Sep 2018 19:59

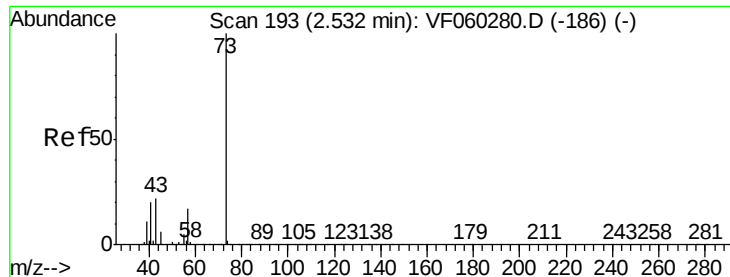
Tgt Ion: 43 Resp: 846

Ion Ratio Lower Upper

43 100

74 6.7 12.7 19.1#



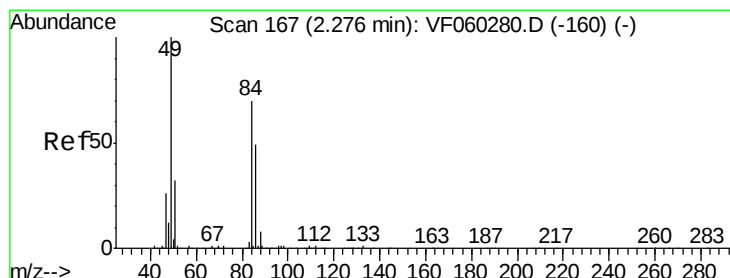
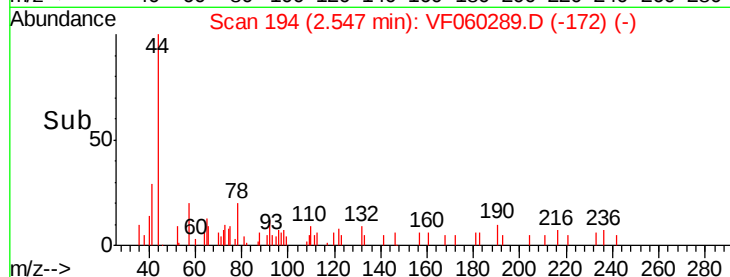
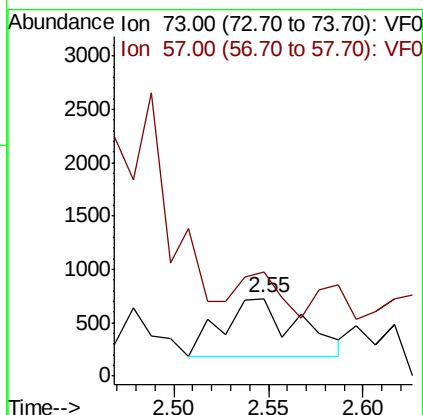
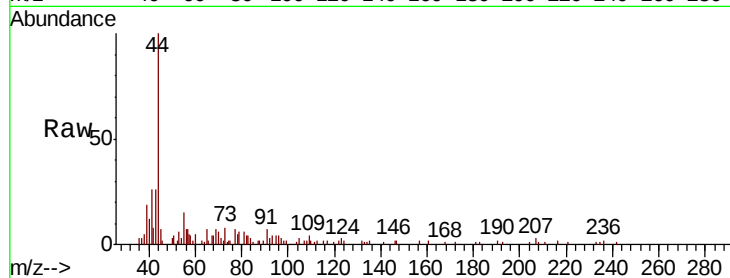


#19

Methyl tert-butyl Ether
 Concen: 0.185 ug/l
 RT: 2.55 min Scan# 194
 Delta R.T. 0.01 min
 Lab File: VF060289.D
 Acq: 19 Sep 2018 19:59

Instrument :
 MSVOA_F
 ClientSampleId :
 BS-OILY-STONE

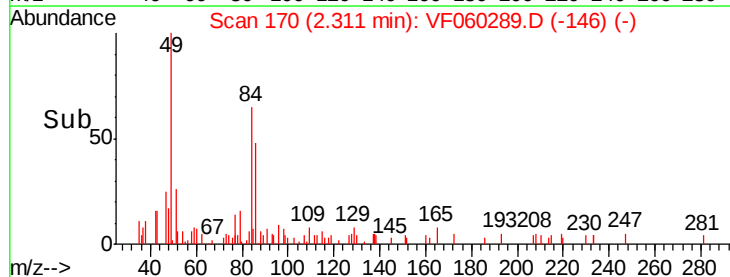
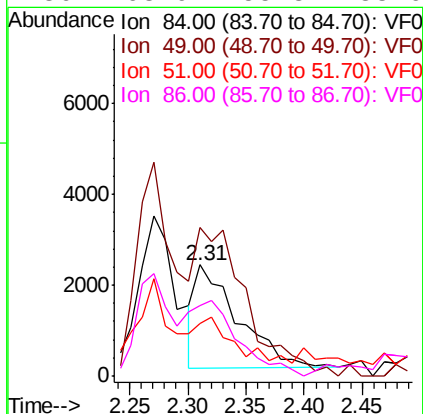
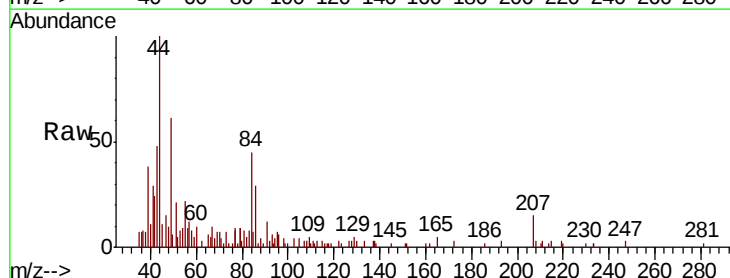
Tgt Ion: 73 Resp: 1522
 Ion Ratio Lower Upper
 73 100
 57 133.2 14.5 21.7#

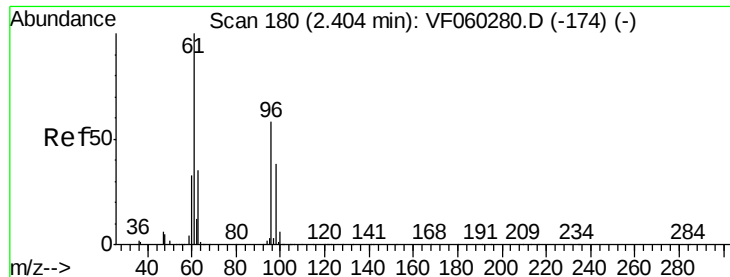


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.31 min Scan# 170
 Delta R.T. 0.03 min
 Lab File: VF060289.D
 Acq: 19 Sep 2018 19:59

Tgt Ion: 84 Resp: 5830
 Ion Ratio Lower Upper
 84 100
 49 134.1 118.3 177.5
 51 47.4 38.7 58.1
 86 63.9 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 0.170 ug/l

RT: 2.39 min Scan# 178

Delta R.T. -0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

BS-OILY-STONE

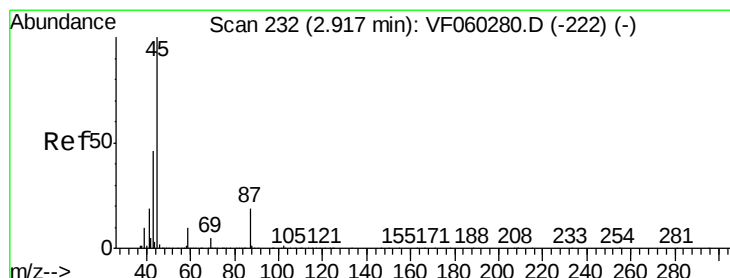
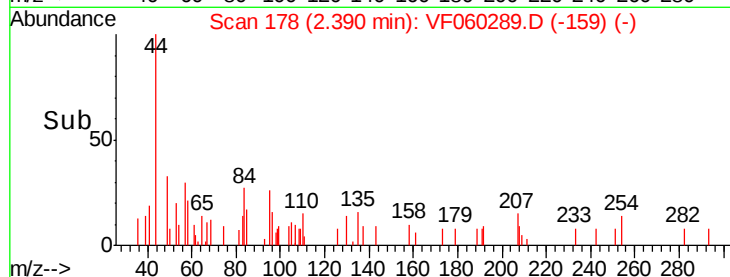
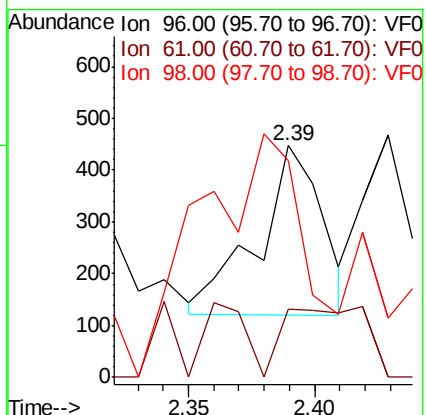
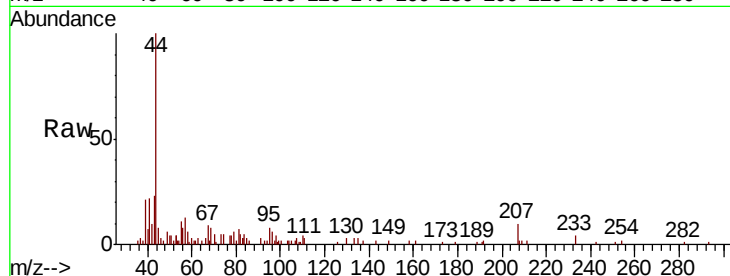
Tgt Ion: 96 Resp: 578

Ion Ratio Lower Upper

96 100

61 29.5 136.4 204.6#

98 93.5 51.8 77.6#



#22

Diisopropyl ether

Concen: 0.198 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Tgt Ion: 45 Resp: 2145

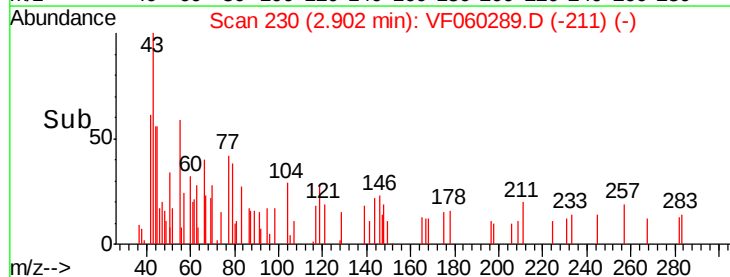
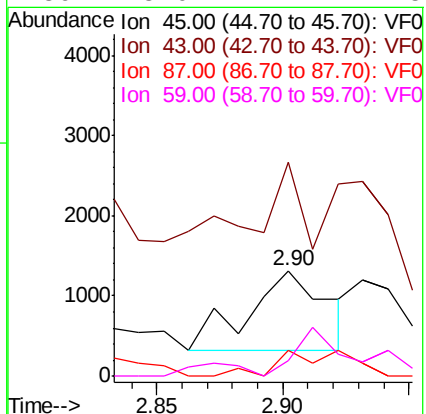
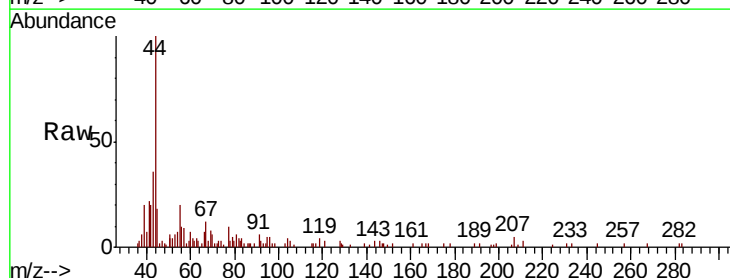
Ion Ratio Lower Upper

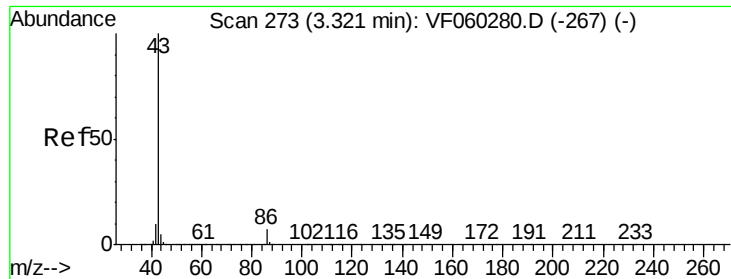
45 100

43 203.0 38.2 57.2#

87 24.9 15.5 23.3#

59 15.0 7.7 11.5#





#23

Vinyl Acetate

Concen: 0.256 ug/l

RT: 3.34 min Scan# 274

Delta R.T. 0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

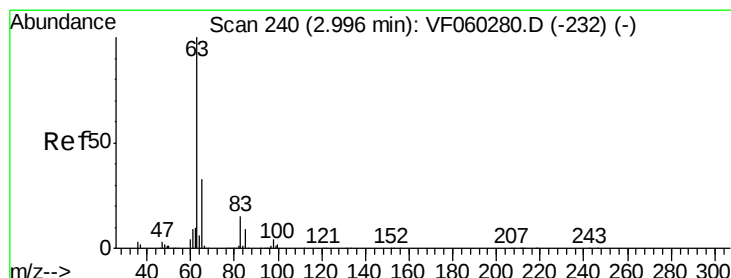
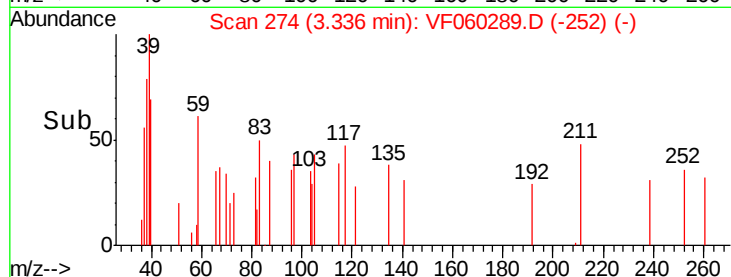
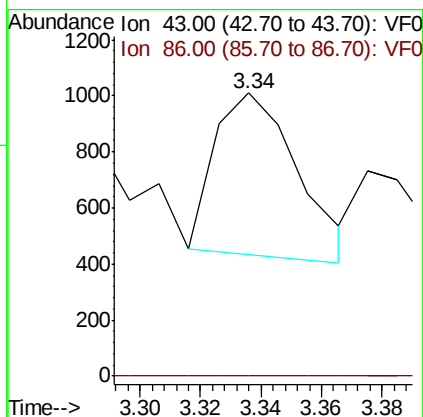
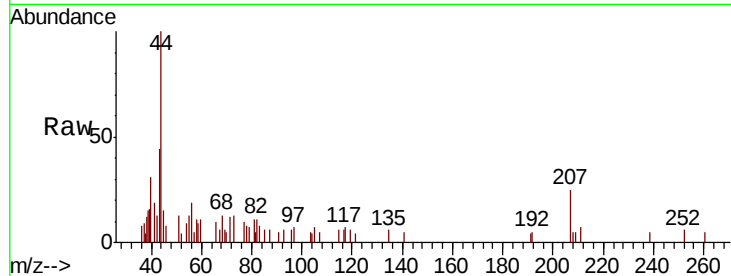
BS-OILY-STONE

Tgt Ion: 43 Resp: 1093

Ion Ratio Lower Upper

43 100

86 0.0 5.9 8.9#



#24

1,1-Dichloroethane

Concen: 0.102 ug/l

RT: 2.98 min Scan# 238

Delta R.T. -0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

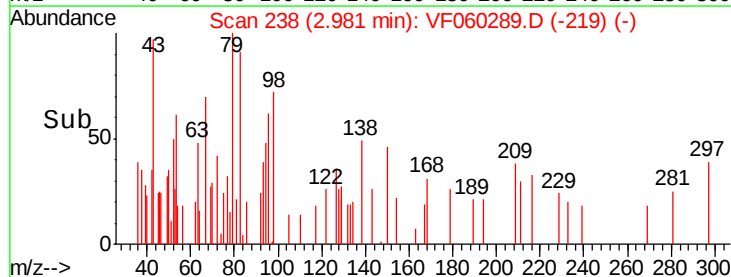
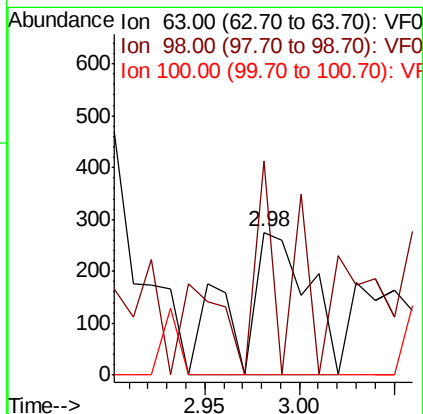
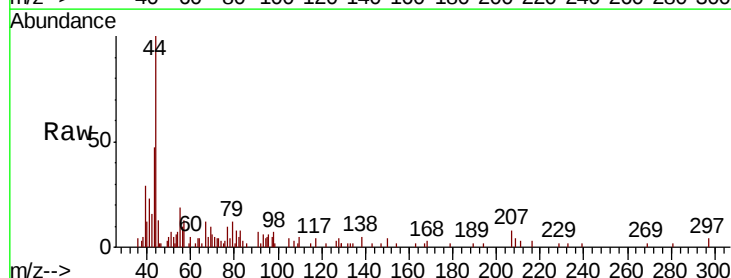
Tgt Ion: 63 Resp: 721

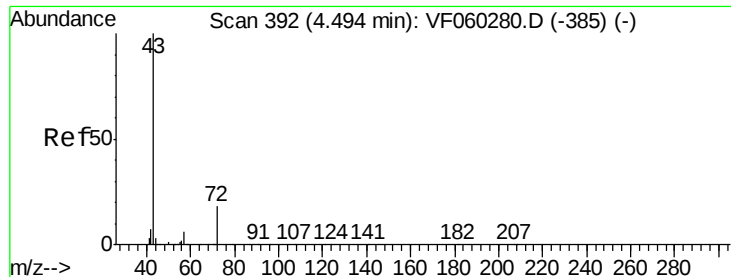
Ion Ratio Lower Upper

63 100

98 195.3 2.1 6.5#

100 0.0 1.1 3.3#





#25

2-Butanone

Concen: 3.302 ug/l

RT: 4.52 min Scan# 394

Delta R.T. 0.02 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

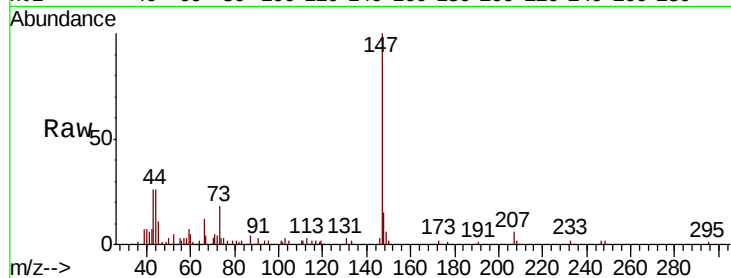
BS-OILY-STONE

Tgt Ion: 43 Resp: 4883

Ion Ratio Lower Upper

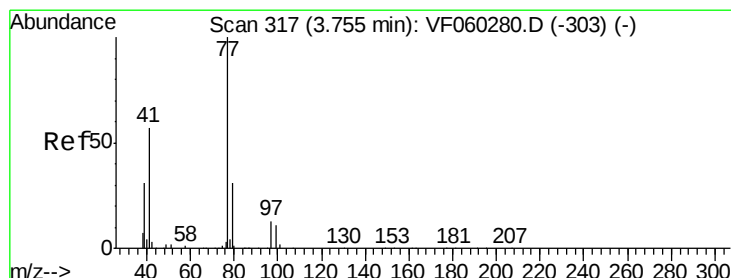
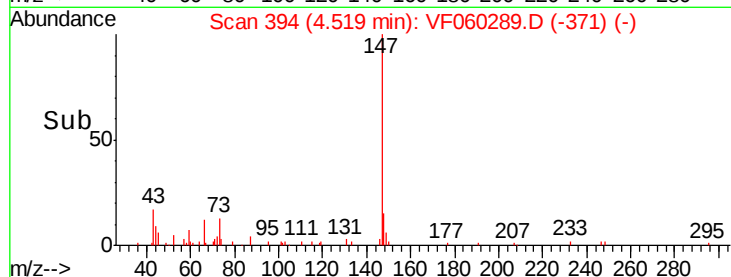
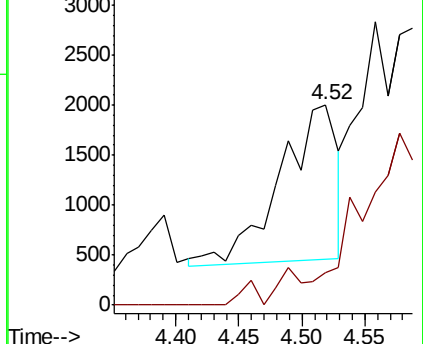
43 100

72 16.3 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 0.197 ug/l

RT: 3.73 min Scan# 314

Delta R.T. -0.02 min

Lab File: VF060289.D

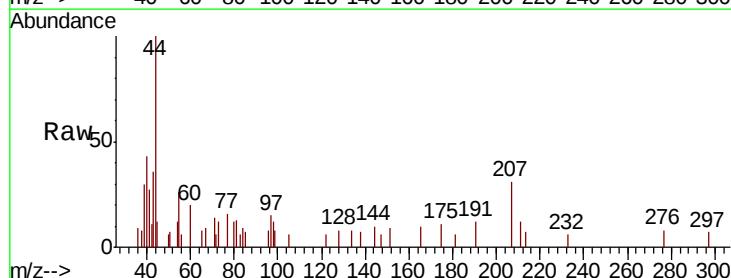
Acq: 19 Sep 2018 19:59

Tgt Ion: 77 Resp: 793

Ion Ratio Lower Upper

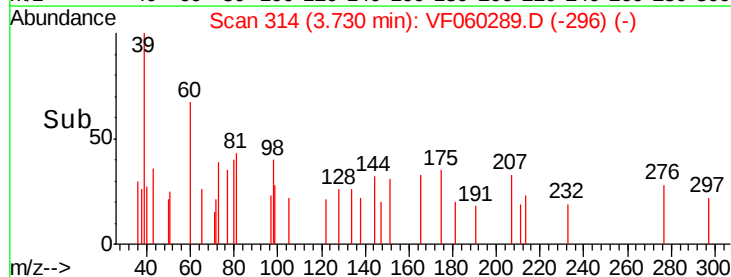
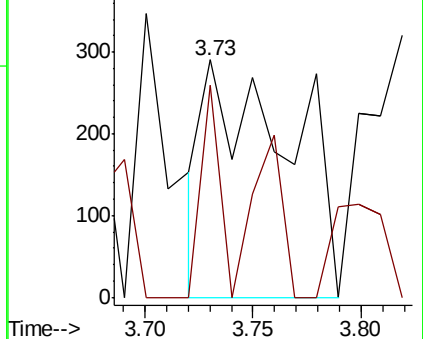
77 100

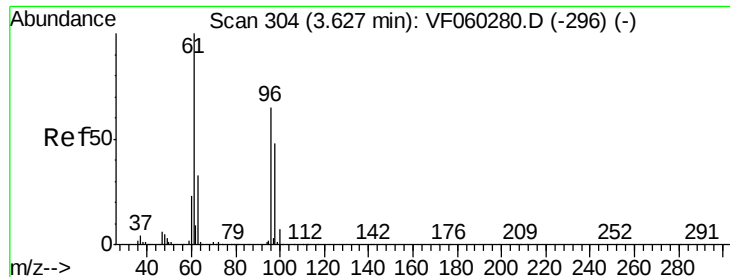
97 89.7 9.3 27.9#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



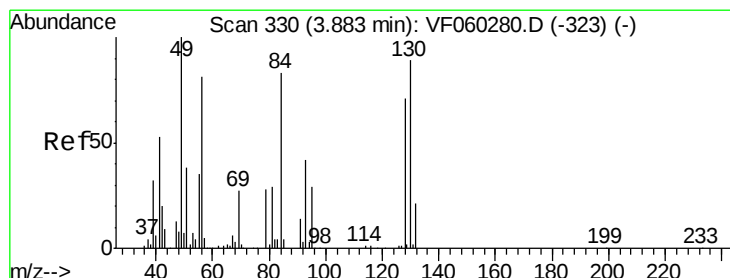
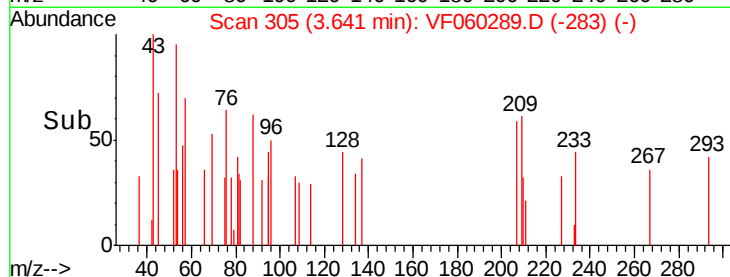
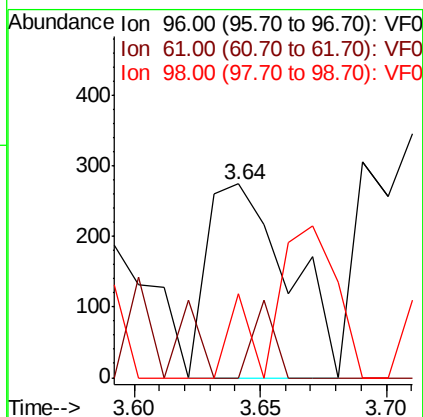
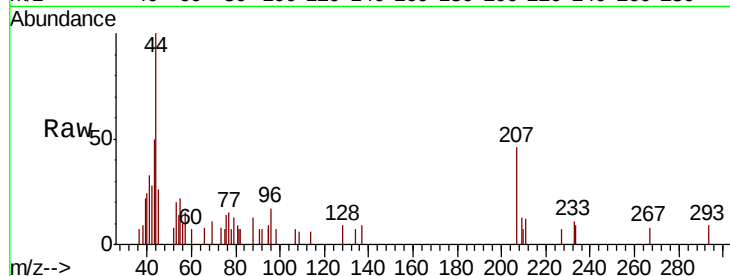


#27

cis-1,2-Dichloroethene
 Concen: 0.137 ug/l
 RT: 3.64 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VF060289.D
 Acq: 19 Sep 2018 19:59

Instrument :
 MSVOA_F
 ClientSampleId :
 BS-OILY-STONE

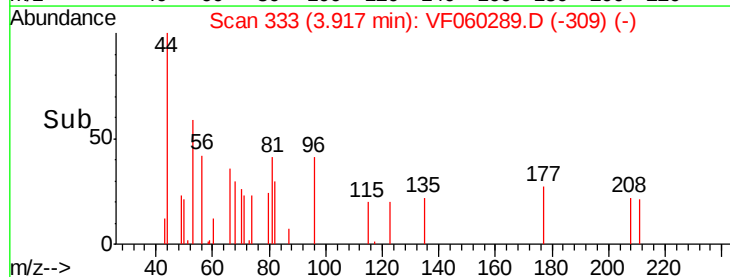
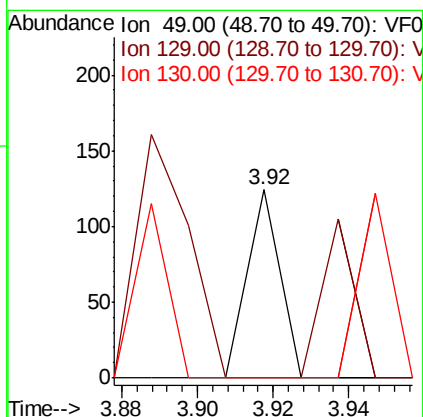
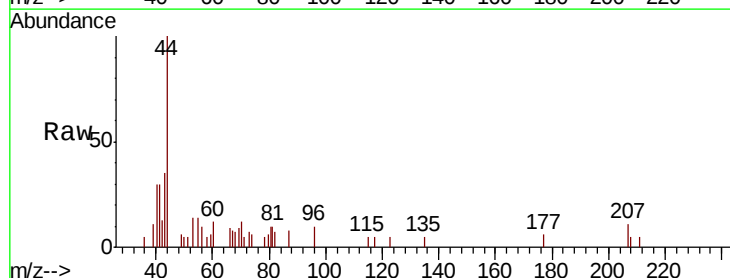
Tgt Ion: 96 Resp: 615
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 304.8
 98 43.4 0.0 146.4

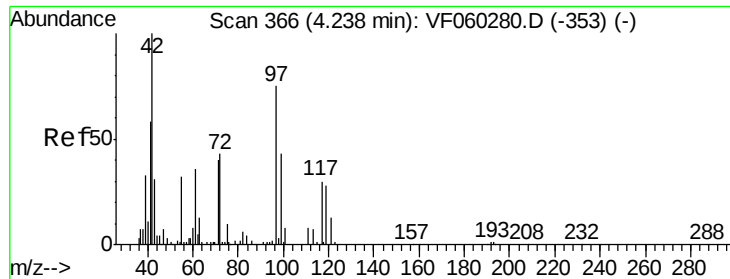


#28

Bromochloromethane
 Concen: 0.027 ug/l
 RT: 3.92 min Scan# 333
 Delta R.T. 0.03 min
 Lab File: VF060289.D
 Acq: 19 Sep 2018 19:59

Tgt Ion: 49 Resp: 73
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.2
 130 0.0 70.3 105.5#

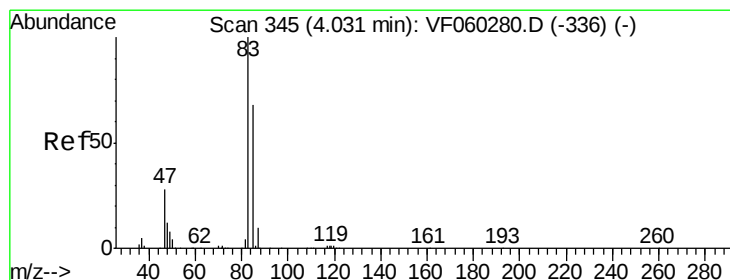
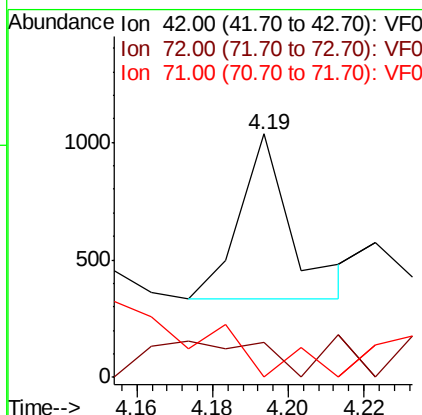
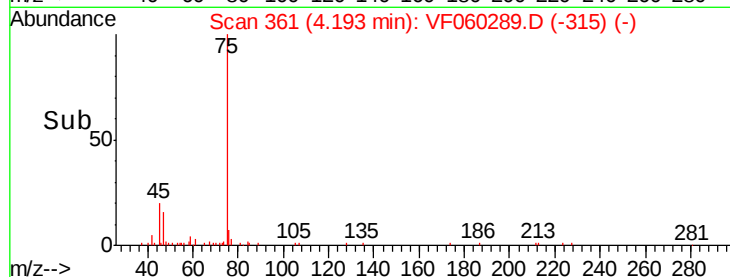
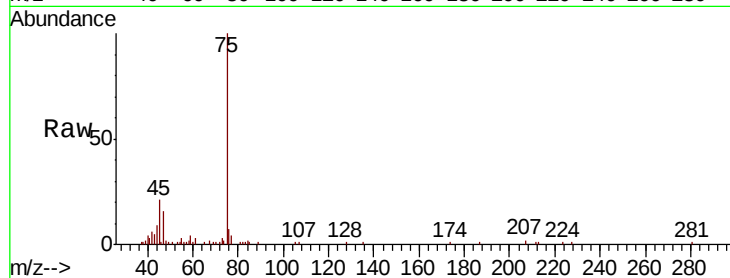




#29
Tetrahydrofuran
Concen: 1.243 ug/l
RT: 4.19 min Scan# 361
Delta R.T. -0.04 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

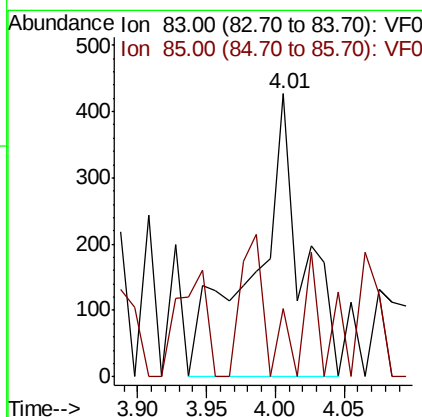
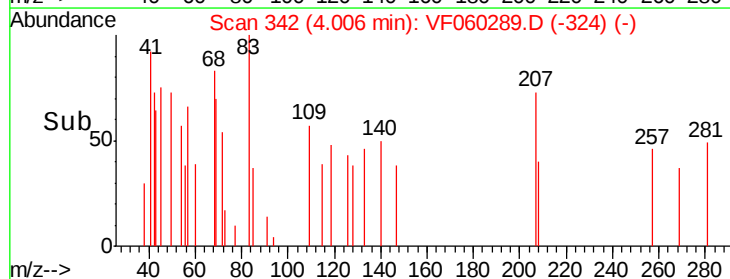
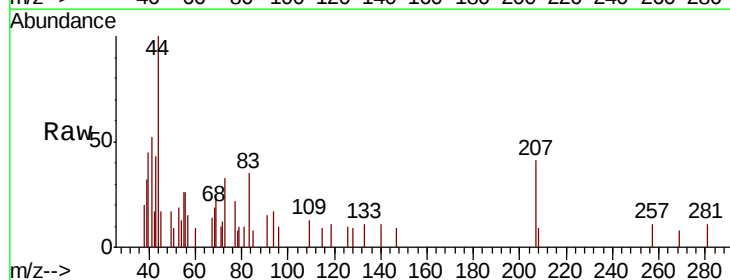
Instrument :
MSVOA_F
ClientSampleId :
BS-OILY-STONE

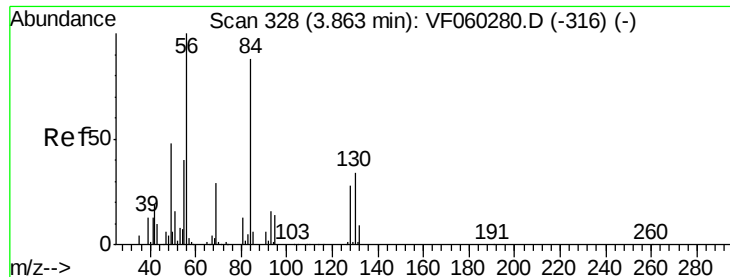
Tgt Ion: 42 Resp: 673
Ion Ratio Lower Upper
42 100
72 0.0 32.6 49.0#
71 0.0 32.7 49.1#



#30
Chloroform
Concen: 0.123 ug/l
RT: 4.01 min Scan# 342
Delta R.T. -0.02 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

Tgt Ion: 83 Resp: 1046
Ion Ratio Lower Upper
83 100
85 24.1 54.9 82.3#





#31

Cyclohexane

Concen: 0.074 ug/l

RT: 3.86 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

BS-OILY-STONE

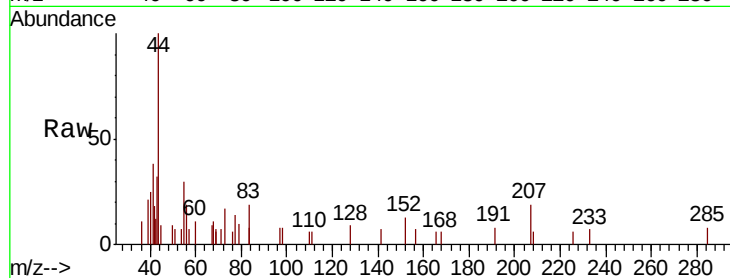
Tgt Ion: 56 Resp: 442

Ion Ratio Lower Upper

56 100

69 33.6 23.8 35.6

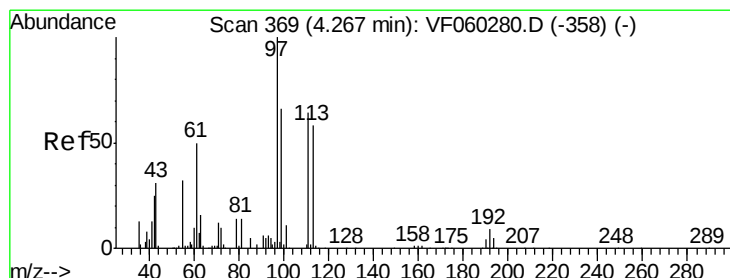
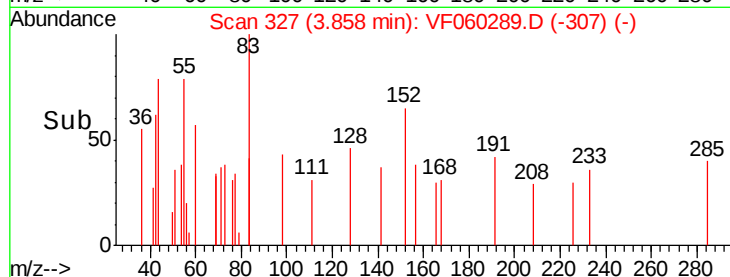
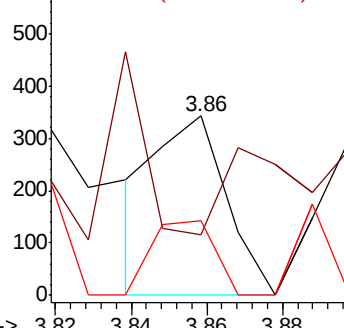
84 41.5 70.2 105.4#



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: 0.021 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

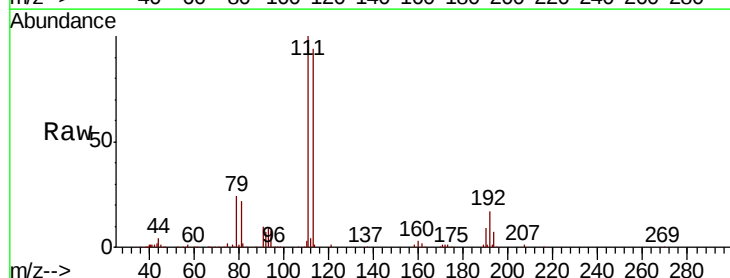
Tgt Ion: 97 Resp: 138

Ion Ratio Lower Upper

97 100

99 0.0 53.0 79.4#

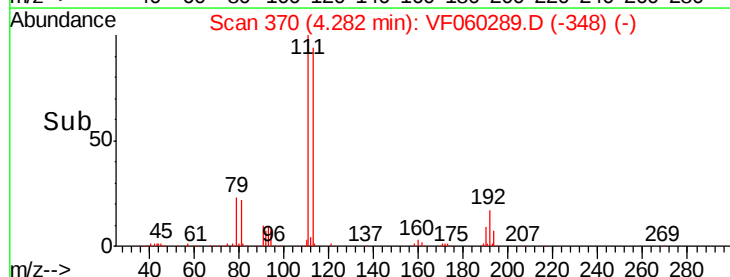
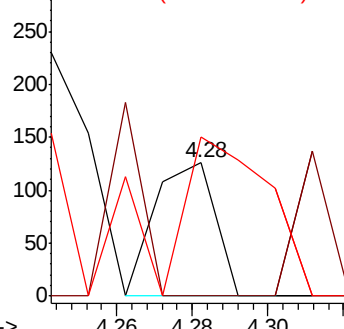
61 119.0 40.6 61.0#

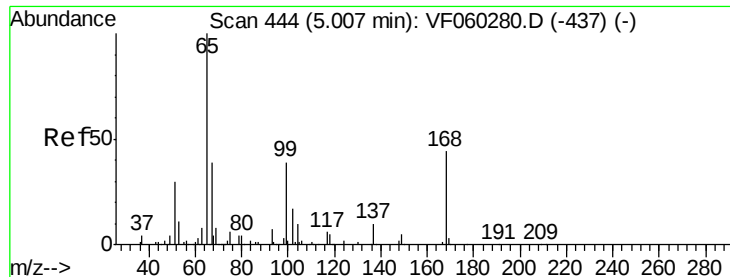


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 40.876 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

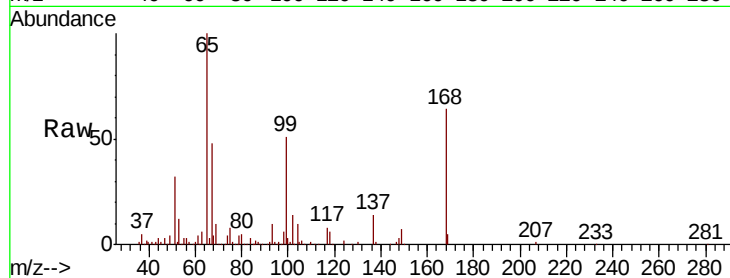
BS-OILY-STONE

Tgt Ion: 65 Resp: 159454

Ion Ratio Lower Upper

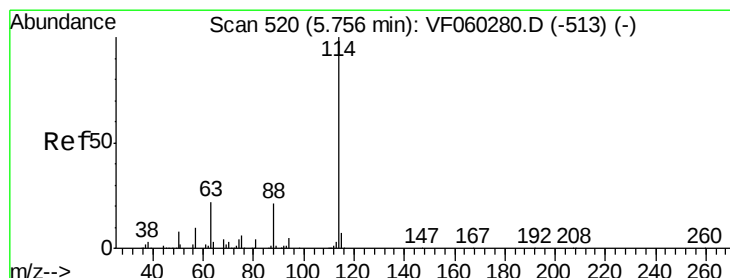
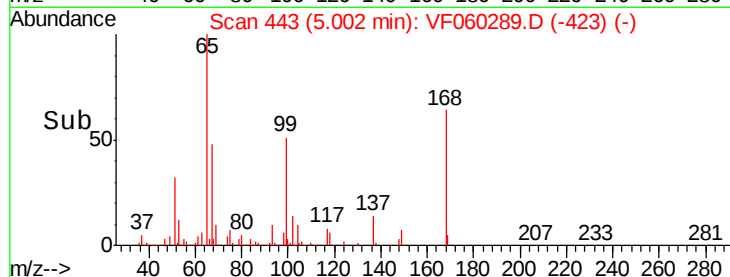
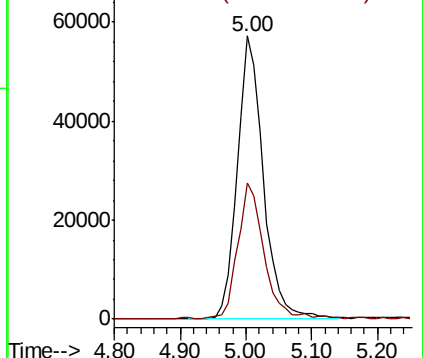
65 100

67 48.0 0.0 94.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

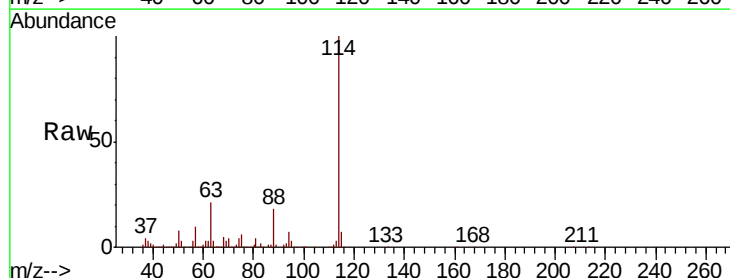
Tgt Ion: 114 Resp: 483623

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.8

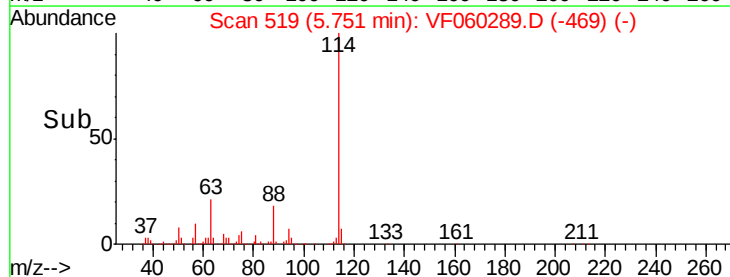
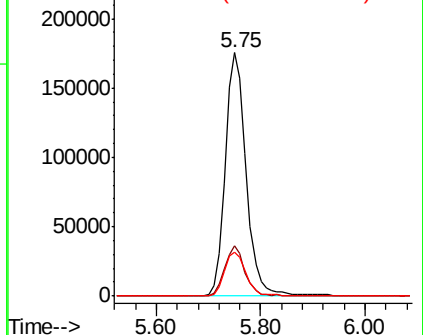
88 17.9 0.0 41.2

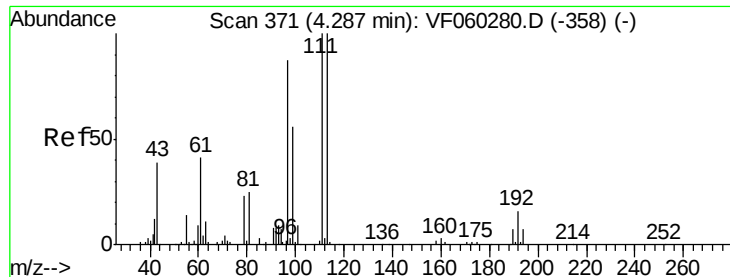


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 41.414 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

BS-OILY-STONE

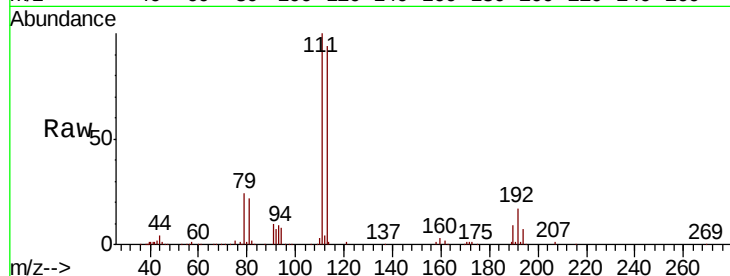
Tgt Ion:113 Resp: 178542

Ion Ratio Lower Upper

113 100

111 106.6 79.6 119.4

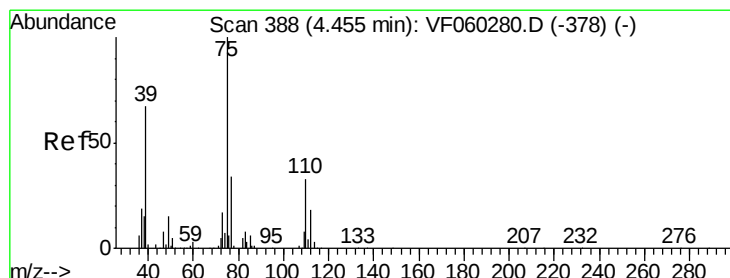
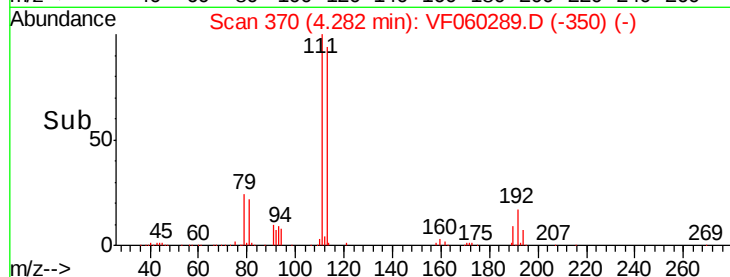
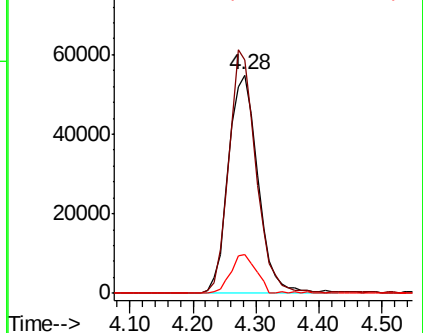
192 17.6 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 0.033 ug/l

RT: 4.44 min Scan# 386

Delta R.T. -0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

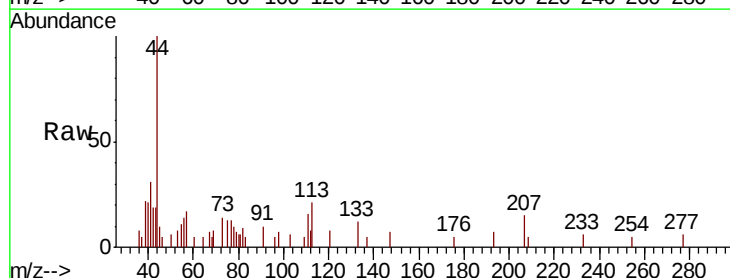
Tgt Ion: 75 Resp: 201

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.2#

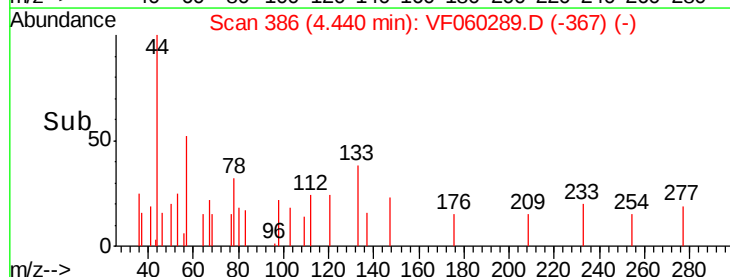
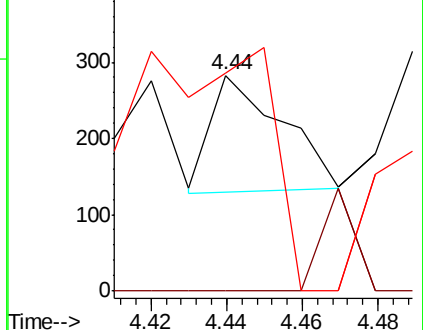
77 100.7 27.3 40.9#

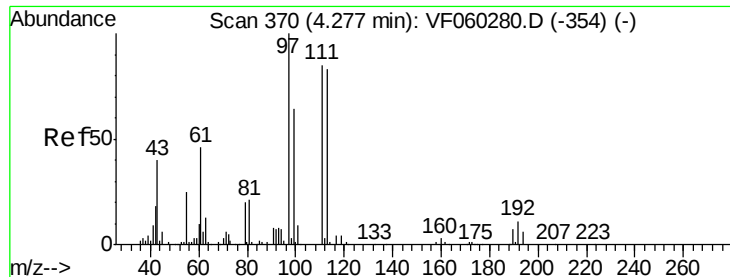


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 0.665 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

BS-OILY-STONE

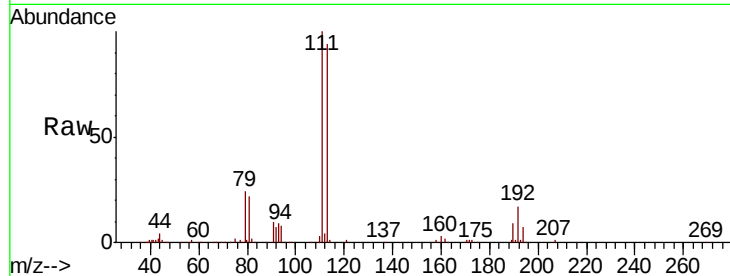
Tgt Ion: 43 Resp: 1698

Ion Ratio Lower Upper

43 100

61 15.4 91.1 136.7#

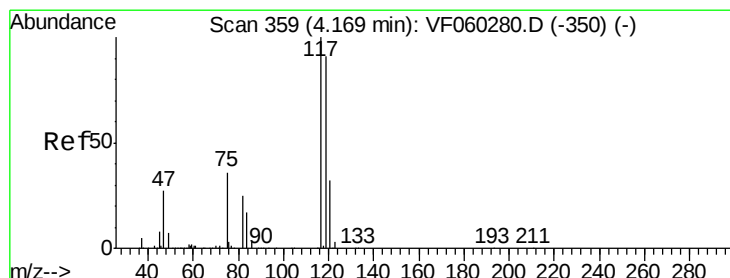
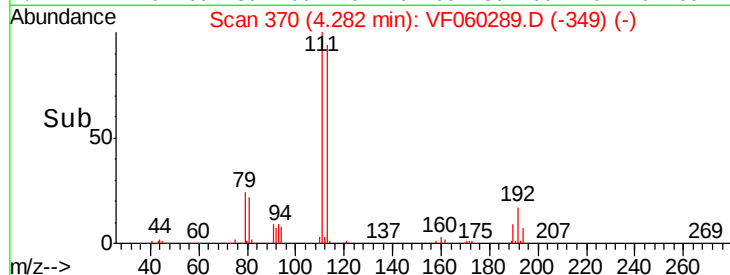
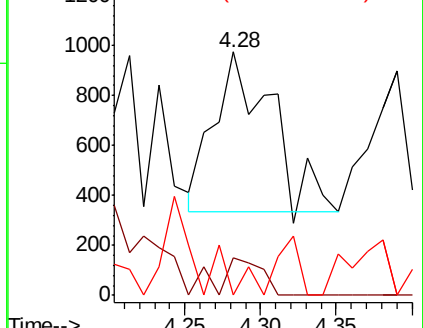
70 0.0 6.9 10.3#



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



#38

Carbon Tetrachloride

Concen: 0.036 ug/l

RT: 4.16 min Scan# 358

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

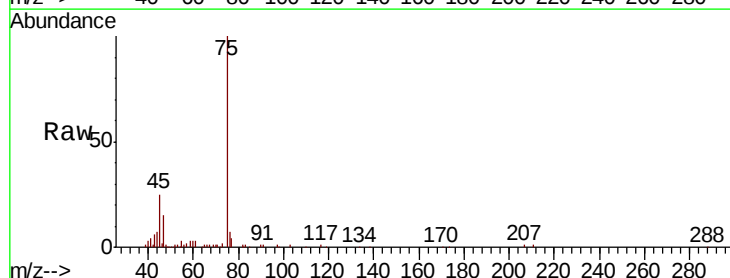
Tgt Ion: 117 Resp: 236

Ion Ratio Lower Upper

117 100

119 44.3 73.0 109.6#

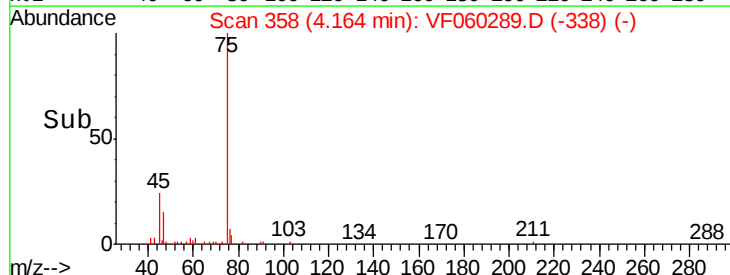
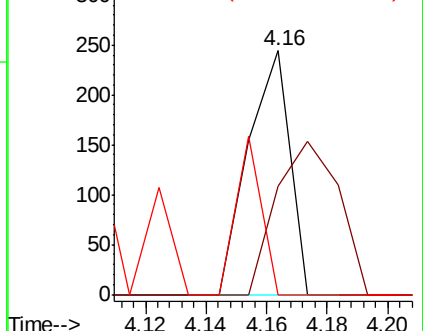
121 0.0 25.4 38.2#

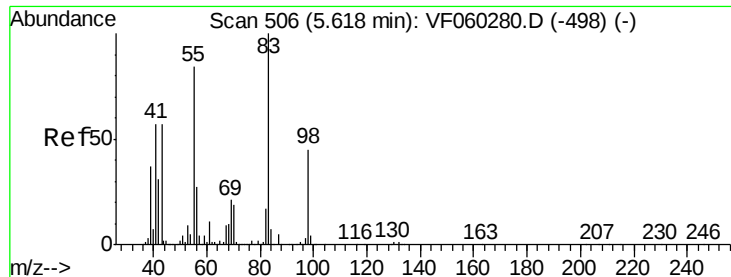


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

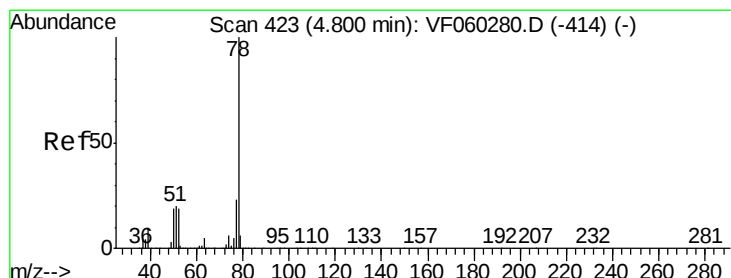
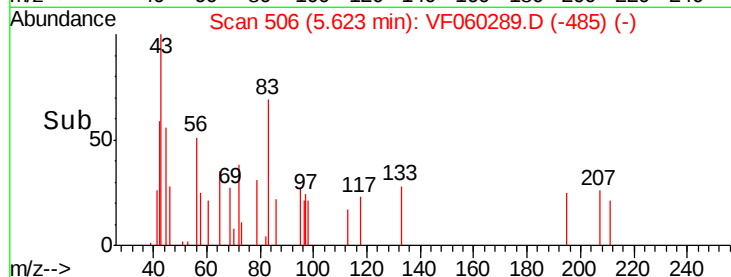
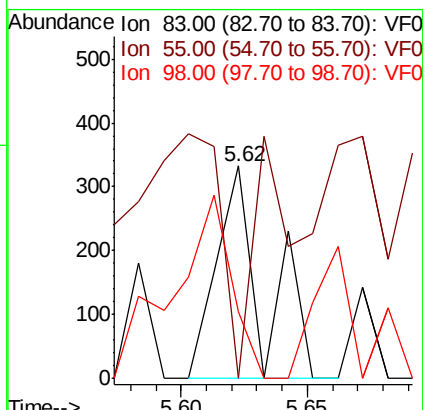
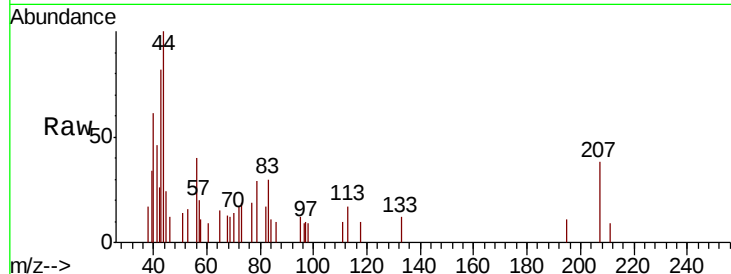




#39
Methylcyclohexane
Concen: 0.066 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.01 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

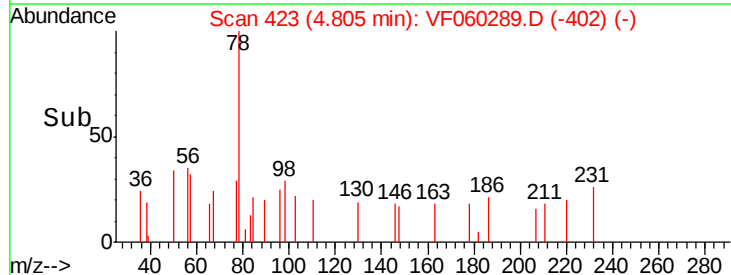
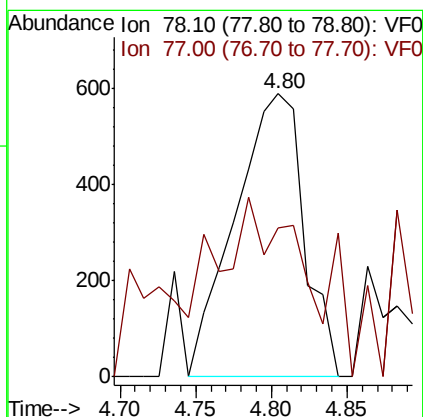
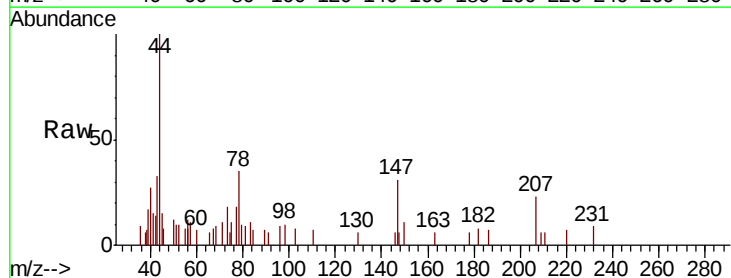
Instrument :
MSVOA_F
ClientSampleId :
BS-OILY-STONE

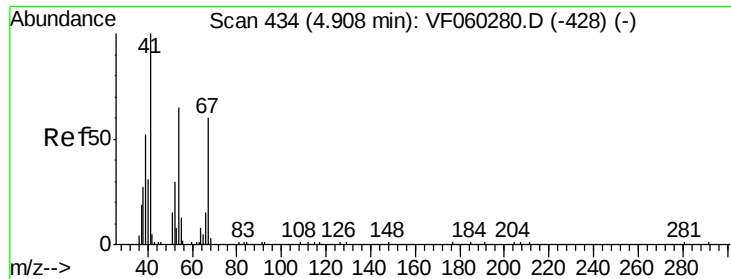
Tgt Ion: 83 Resp: 431
Ion Ratio Lower Upper
83 100
55 0.0 67.3 100.9#
98 31.0 36.1 54.1#



#40
Benzene
Concen: 0.137 ug/l
RT: 4.80 min Scan# 423
Delta R.T. 0.01 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

Tgt Ion: 78 Resp: 1874
Ion Ratio Lower Upper
78 100
77 52.6 18.4 27.6#





#41

Methacrylonitrile

Concen: 0.201 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

BS-OILY-STONE

Tgt Ion: 41 Resp: 278

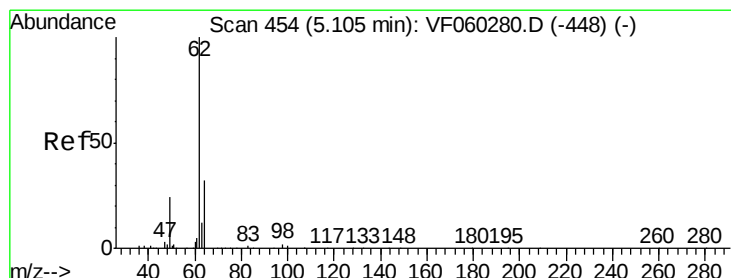
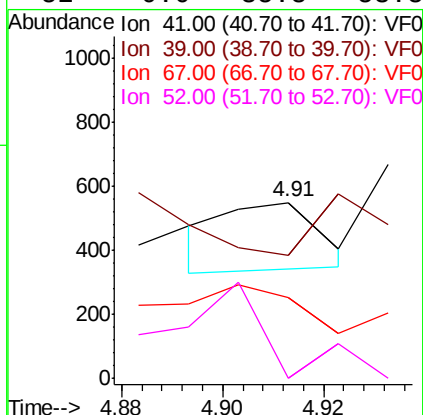
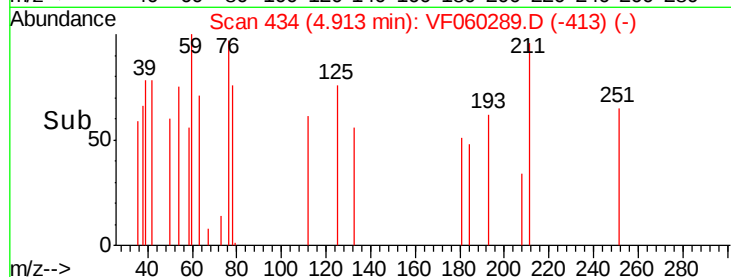
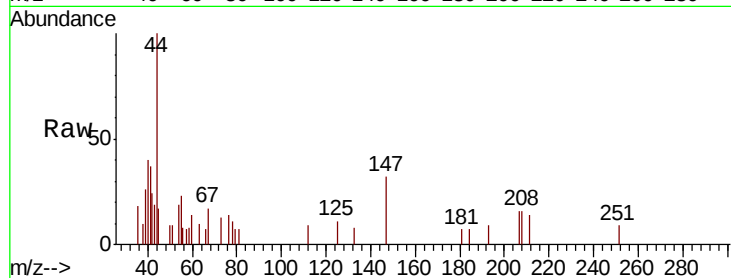
Ion Ratio Lower Upper

41 100

39 70.1 49.1 73.7

67 45.5 48.2 72.4#

52 0.0 35.8 53.8#



#42

1,2-Dichloroethane

Concen: 0.047 ug/l

RT: 5.10 min Scan# 453

Delta R.T. -0.00 min

Lab File: VF060289.D

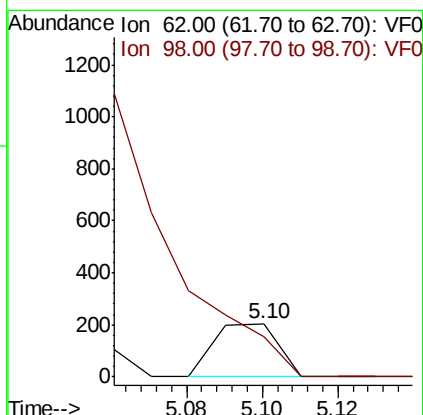
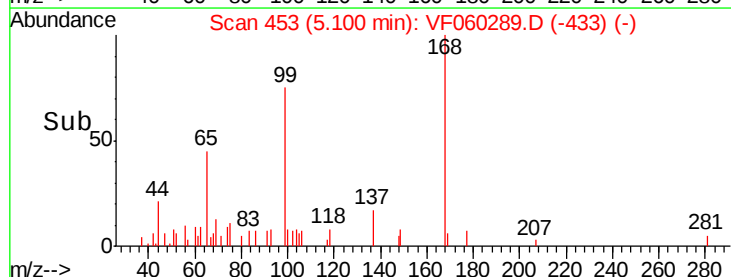
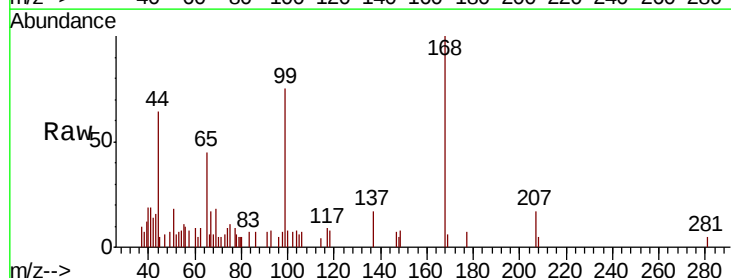
Acq: 19 Sep 2018 19:59

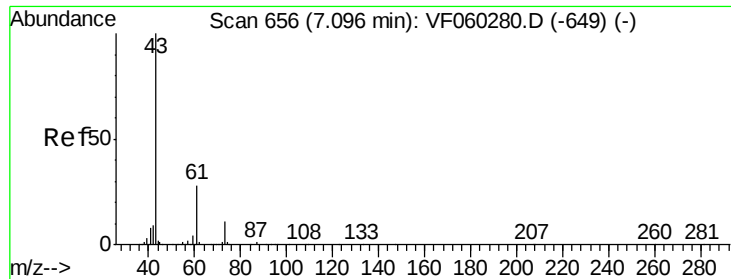
Tgt Ion: 62 Resp: 238

Ion Ratio Lower Upper

62 100

98 76.1 0.0 14.4#





#43

Isopropyl Acetate

Concen: 1.432 ug/l

RT: 7.11 min Scan# 657

Delta R.T. 0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

BS-OILY-STONE

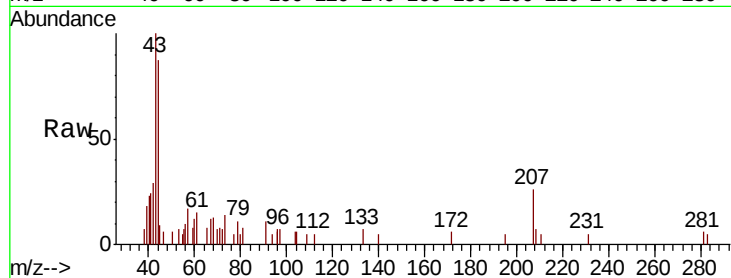
Tgt Ion: 43 Resp: 4401

Ion Ratio Lower Upper

43 100

61 15.0 22.4 33.6#

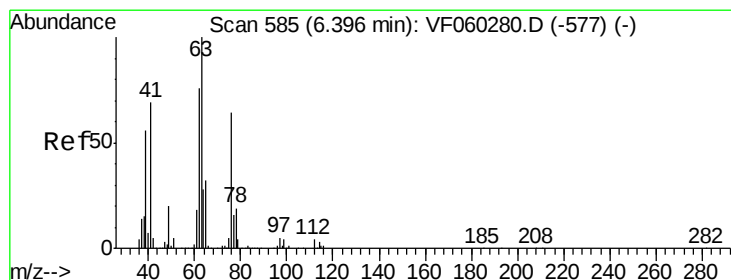
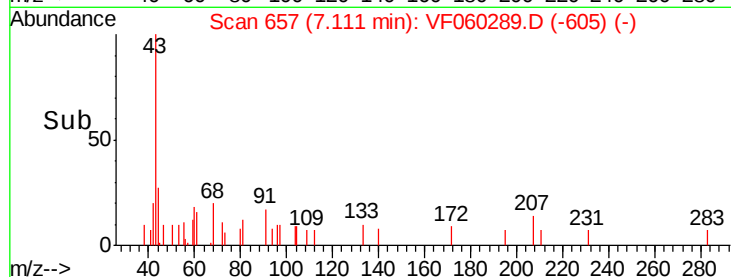
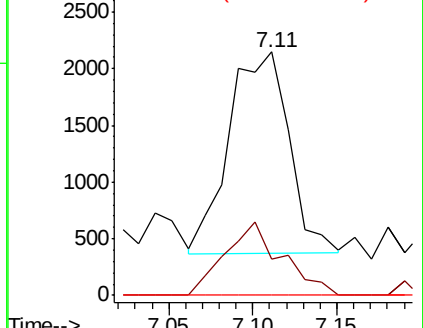
87 0.0 0.6 0.8#



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



#45

1,2-Dichloropropane

Concen: 0.095 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.01 min

Lab File: VF060289.D

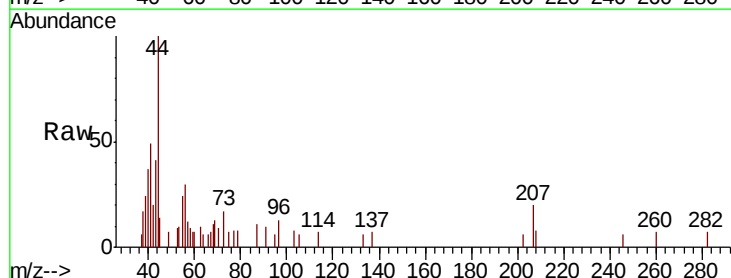
Acq: 19 Sep 2018 19:59

Tgt Ion: 63 Resp: 337

Ion Ratio Lower Upper

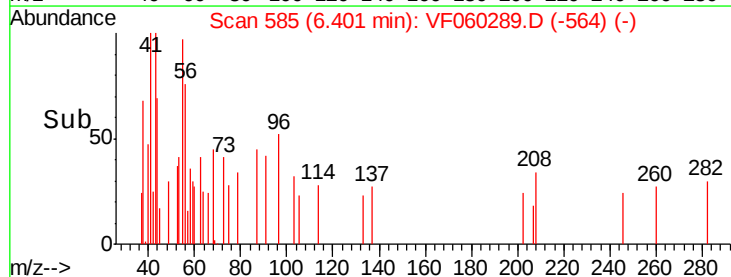
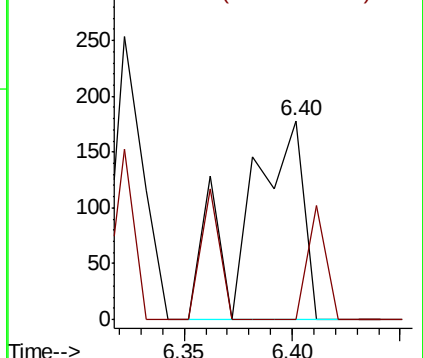
63 100

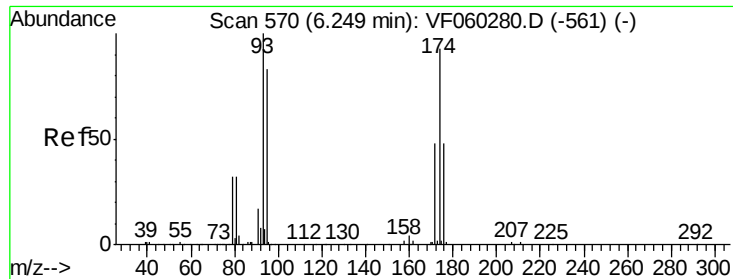
65 0.0 26.2 39.4#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

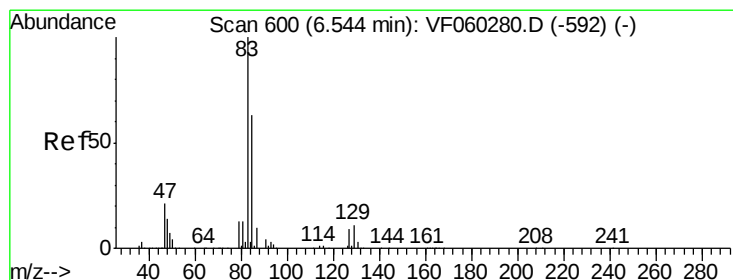
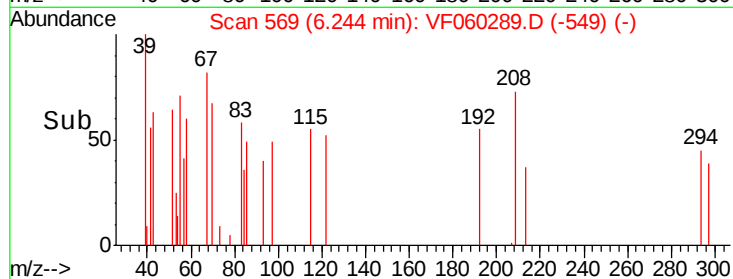
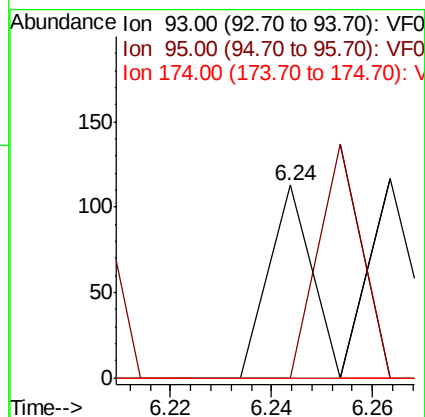
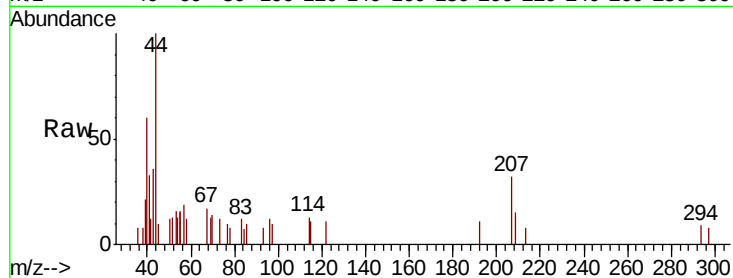




#46
Dibromomethane
Concen: 0.026 ug/l
RT: 6.24 min Scan# 569
Delta R.T. -0.00 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

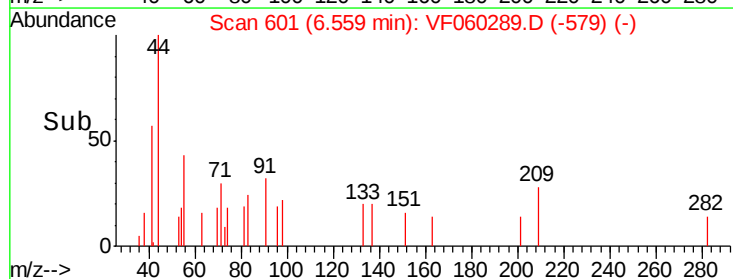
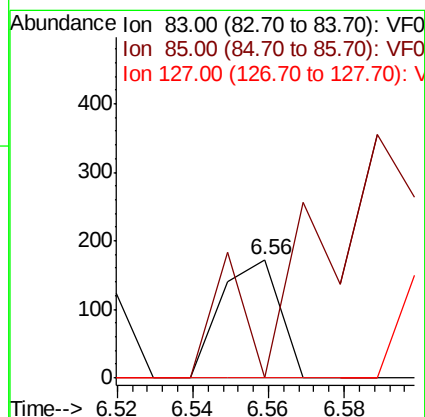
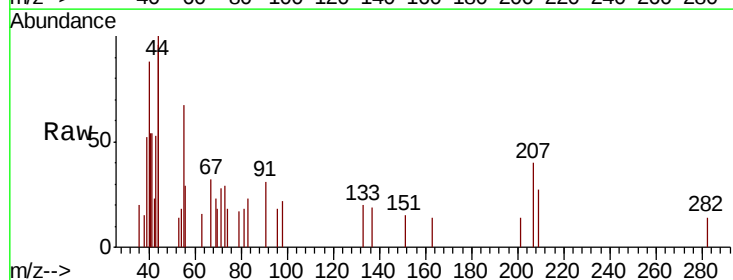
Instrument :
MSVOA_F
ClientSampleId :
BS-OILY-STONE

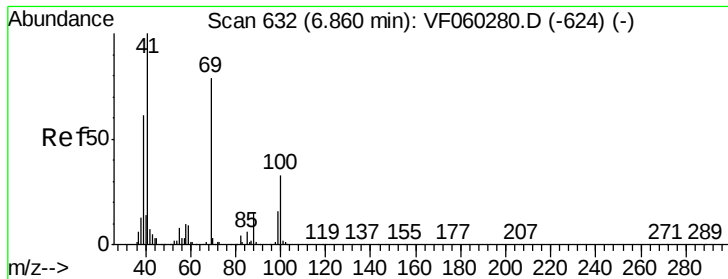
Tgt Ion: 93 Resp: 67
Ion Ratio Lower Upper
93 100
95 0.0 67.0 100.6#
174 0.0 74.8 112.2#



#47
Bromodichloromethane
Concen: 0.031 ug/l
RT: 6.56 min Scan# 601
Delta R.T. 0.01 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

Tgt Ion: 83 Resp: 186
Ion Ratio Lower Upper
83 100
85 0.0 50.6 76.0#
127 0.0 7.1 10.7#

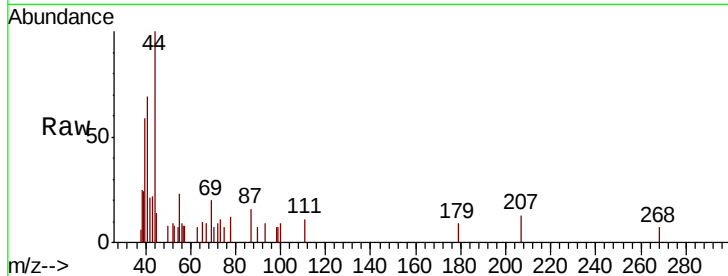




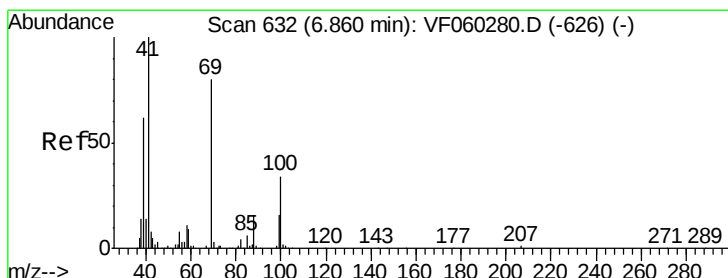
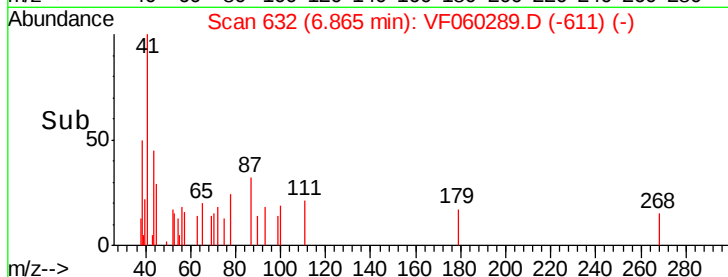
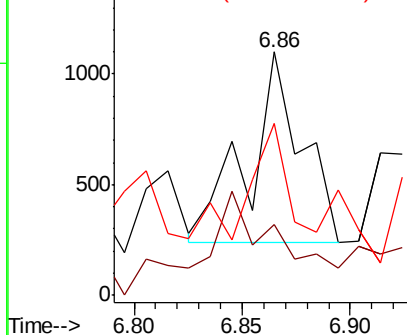
#48
Methyl methacrylate
Concen: 0.683 ug/l
RT: 6.86 min Scan# 632
Delta R.T. 0.01 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

Instrument :
MSVOA_F
ClientSampleId :
BS-OILY-STONE

Tgt Ion: 41 Resp: 1474
Ion Ratio Lower Upper
41 100
69 29.2 62.6 94.0#
39 70.8 49.1 73.7

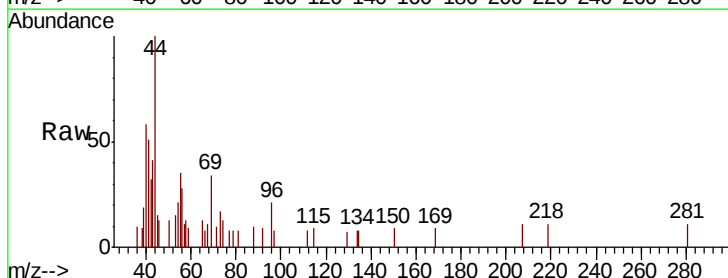


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

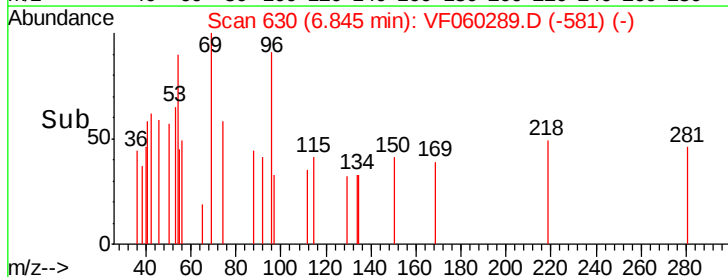
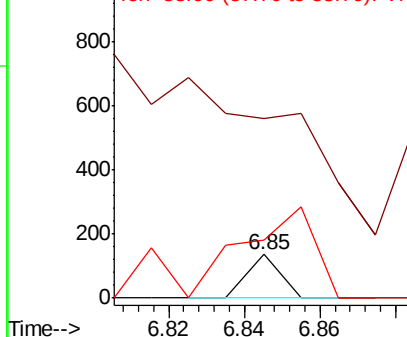


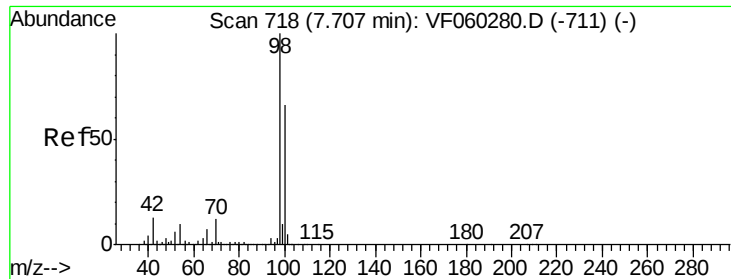
#49
1,4-Dioxane
Concen: 4.151 ug/l
RT: 6.85 min Scan# 630
Delta R.T. -0.01 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 412.5 40.2 60.4#
58 133.8 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

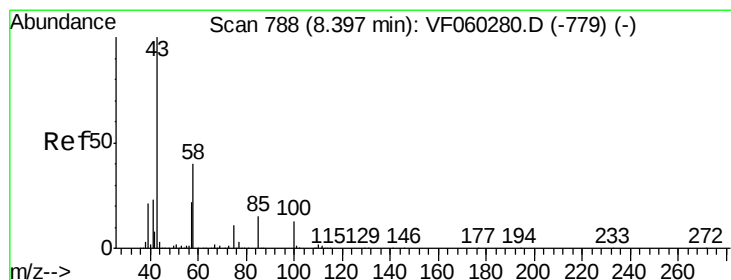
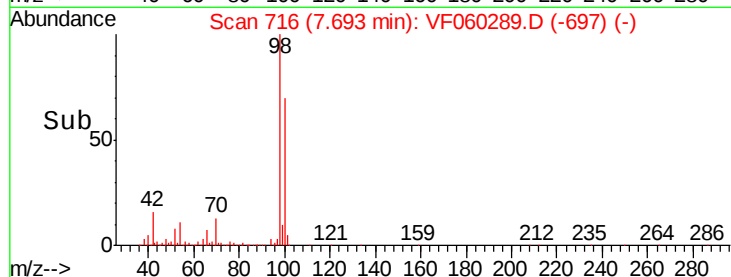
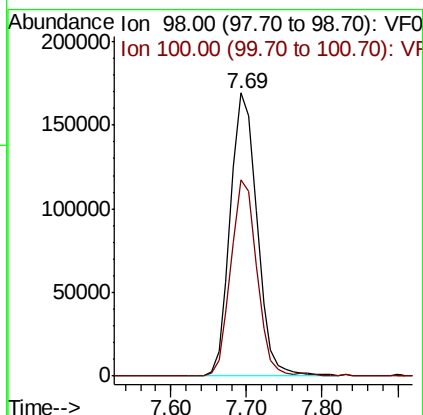
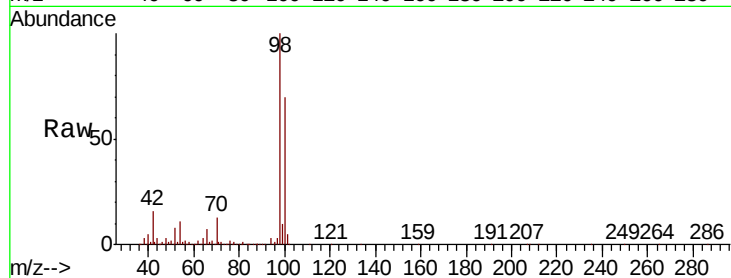




#50
Toluene-d8
Concen: 36.910 ug/l
RT: 7.69 min Scan# 716
Delta R.T. -0.01 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

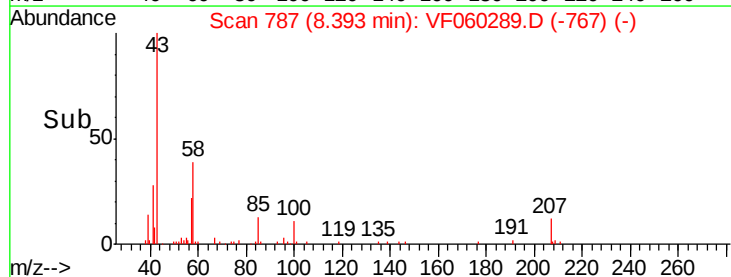
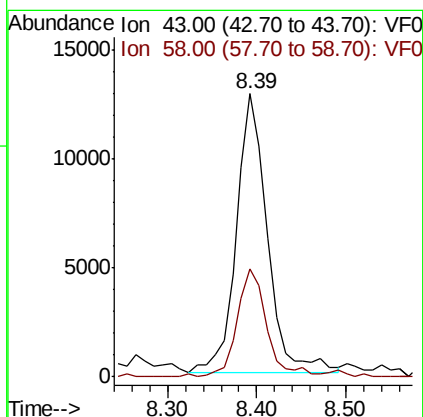
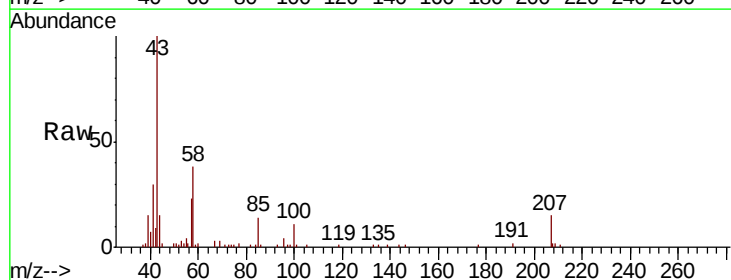
Instrument :
MSVOA_F
ClientSampleId :
BS-OILY-STONE

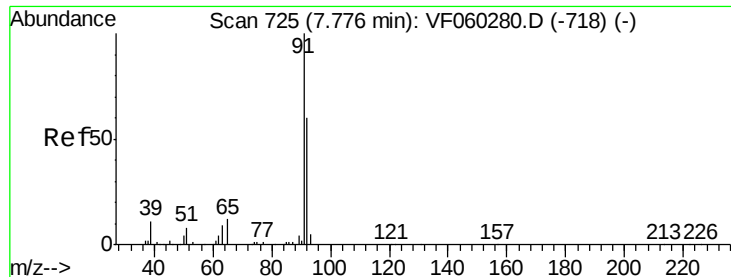
Tgt Ion: 98 Resp: 414392
Ion Ratio Lower Upper
98 100
100 69.5 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 13.170 ug/l
RT: 8.39 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

Tgt Ion: 43 Resp: 31192
Ion Ratio Lower Upper
43 100
58 38.0 31.8 47.8





#52

Toluene

Concen: 0.184 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

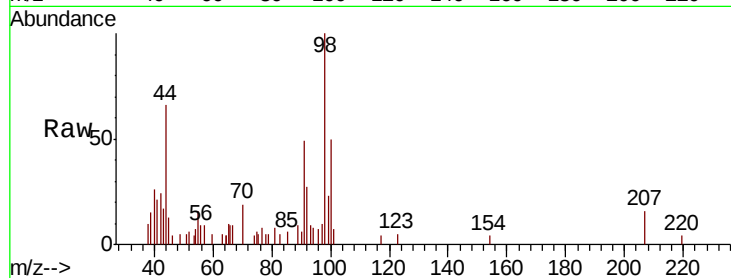
BS-OILY-STONE

Tgt Ion: 92 Resp: 1594

Ion Ratio Lower Upper

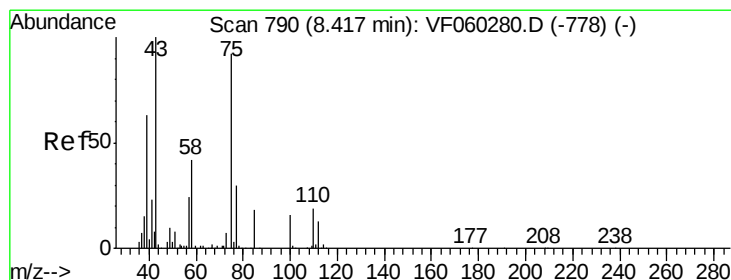
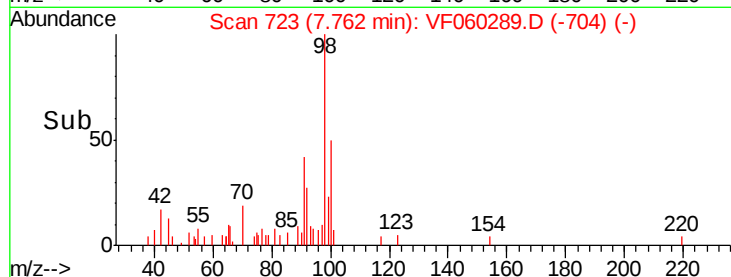
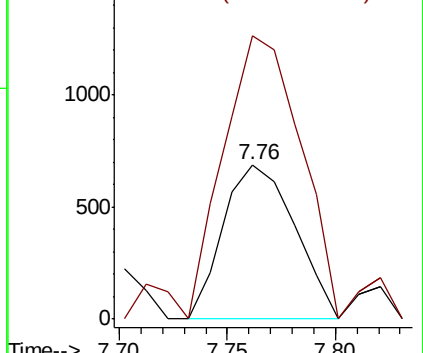
92 100

91 183.3 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#53

t-1,3-Dichloropropene

Concen: 0.266 ug/l

RT: 8.34 min Scan# 782

Delta R.T. -0.07 min

Lab File: VF060289.D

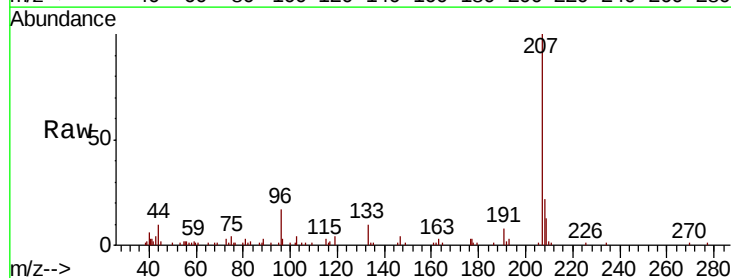
Acq: 19 Sep 2018 19:59

Tgt Ion: 75 Resp: 1307

Ion Ratio Lower Upper

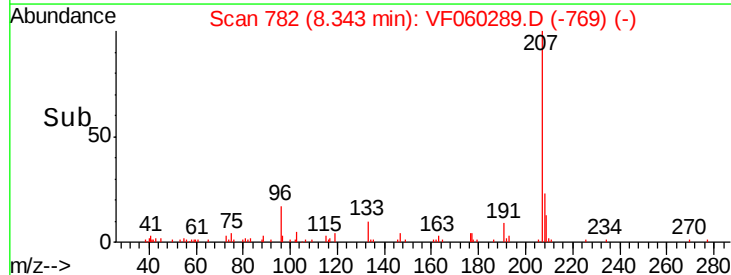
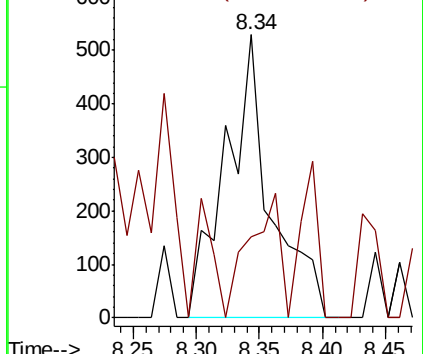
75 100

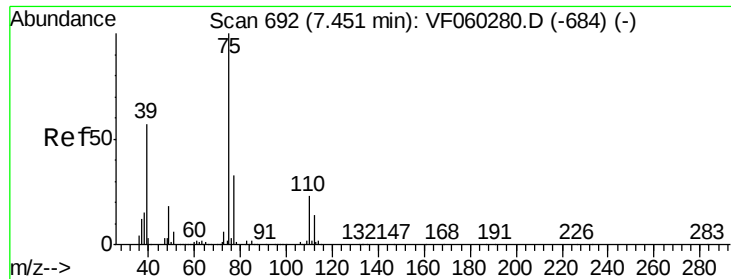
77 28.5 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#54

cis-1,3-Dichloropropene

Concen: 0.013 ug/l

RT: 7.44 min Scan# 690

Delta R.T. -0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

BS-OILY-STONE

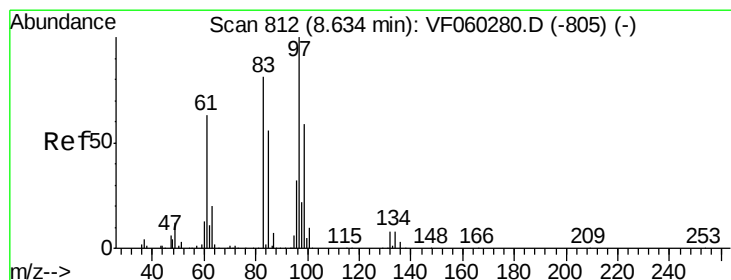
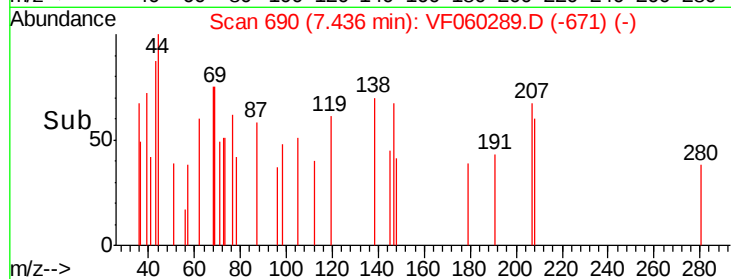
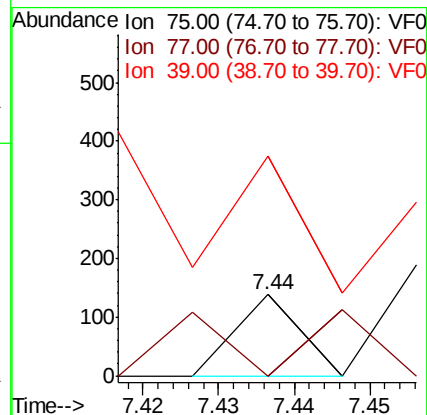
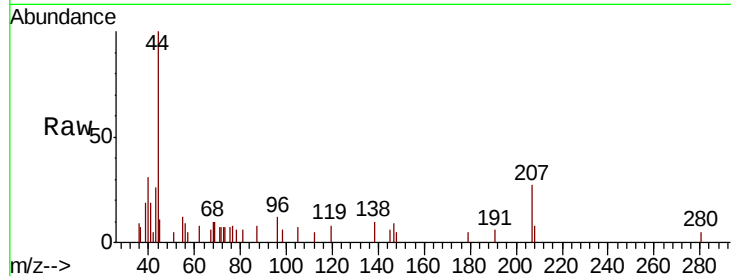
Tgt Ion: 75 Resp: 82

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#

39 271.7 46.1 69.1#



#55

1,1,2-Trichloroethane

Concen: 0.153 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Tgt Ion: 97 Resp: 403

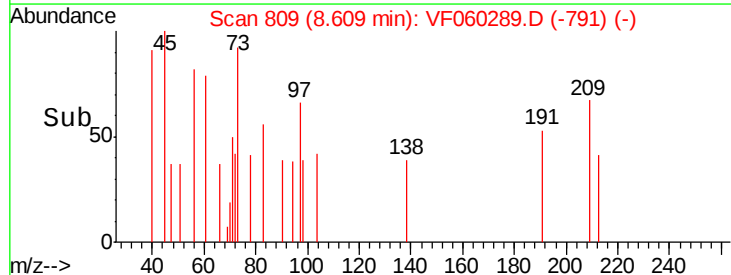
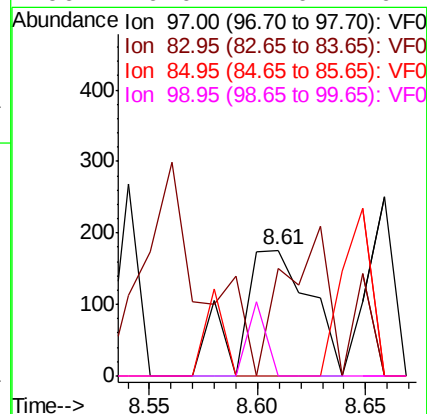
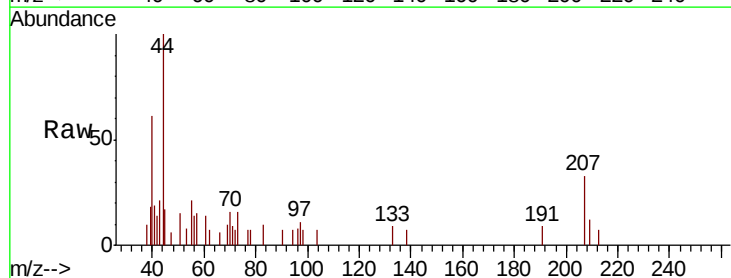
Ion Ratio Lower Upper

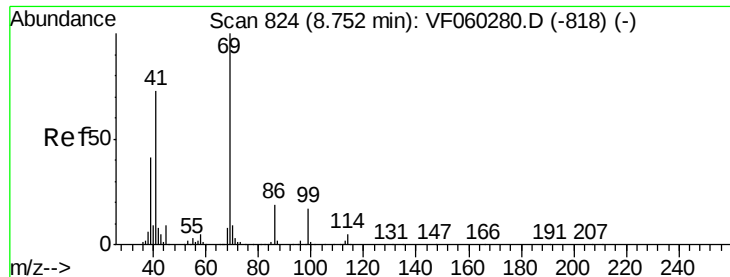
97 100

83 85.2 65.3 97.9

85 0.0 44.7 67.1#

99 0.0 47.0 70.4#





#56

Ethyl methacrylate

Concen: 2.012 ug/l

RT: 8.75 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

BS-OILY-STONE

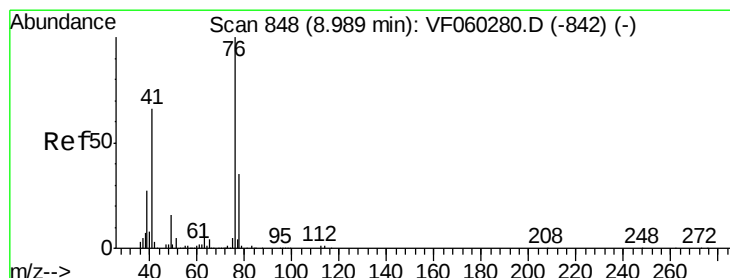
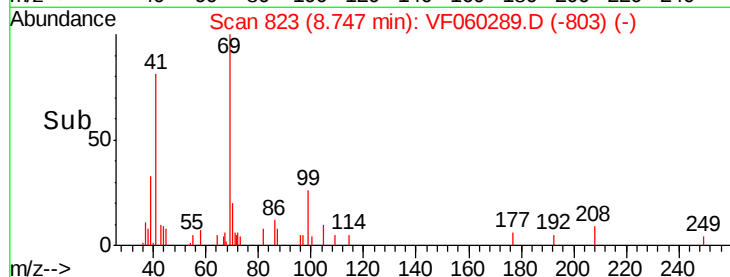
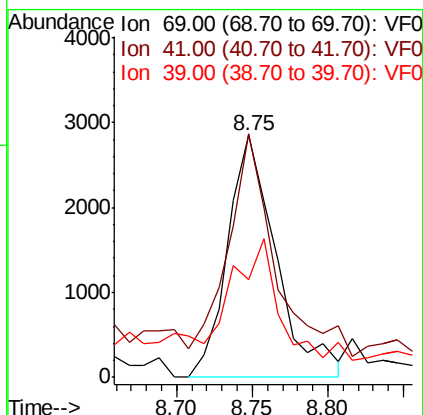
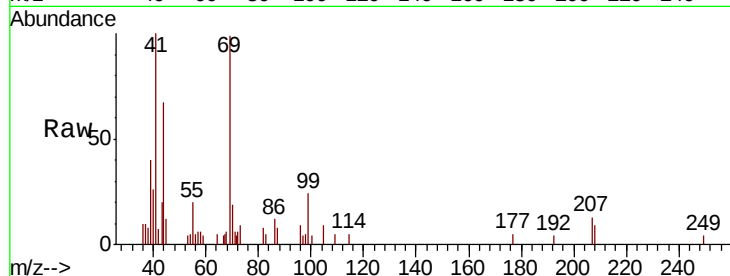
Tgt Ion: 69 Resp: 6383

Ion Ratio Lower Upper

69 100

41 100.6 59.4 89.2#

39 40.6 33.5 50.3



#57

1,3-Dichloropropane

Concen: 0.058 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.01 min

Lab File: VF060289.D

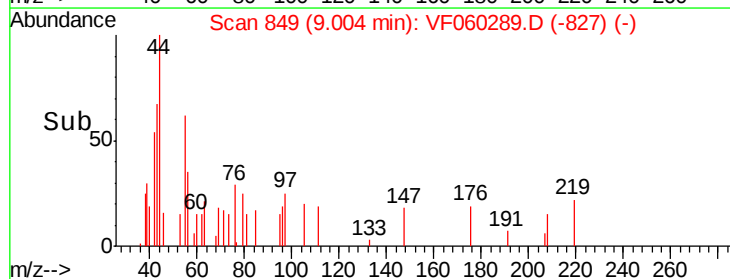
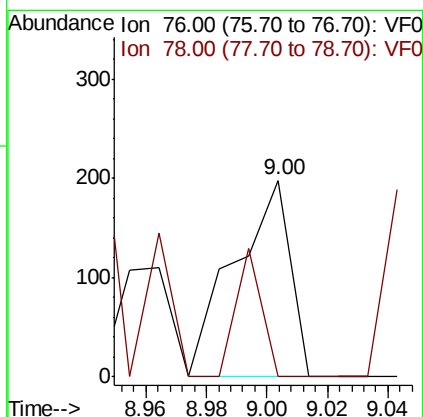
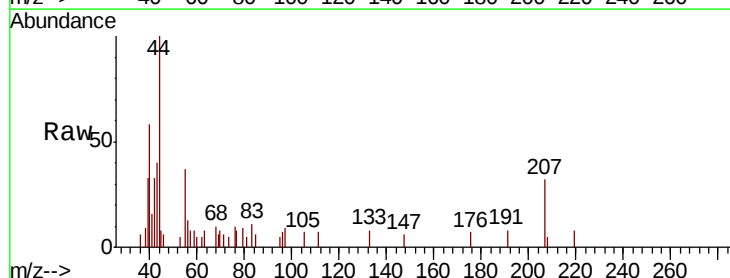
Acq: 19 Sep 2018 19:59

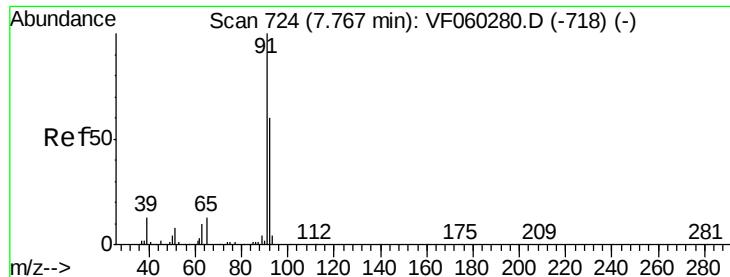
Tgt Ion: 76 Resp: 254

Ion Ratio Lower Upper

76 100

78 0.0 28.2 42.2#





#58

2-Chloroethyl Vinyl ether

Concen: 1.134 ug/l

RT: 7.75 min Scan# 722

Delta R.T. -0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

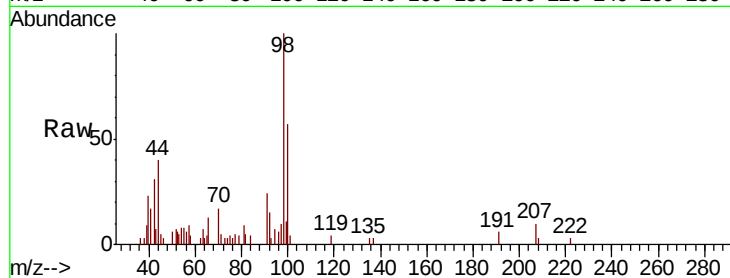
BS-OILY-STONE

Tgt Ion: 63 Resp: 318

Ion Ratio Lower Upper

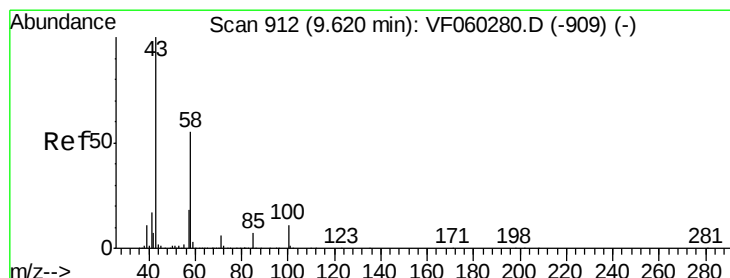
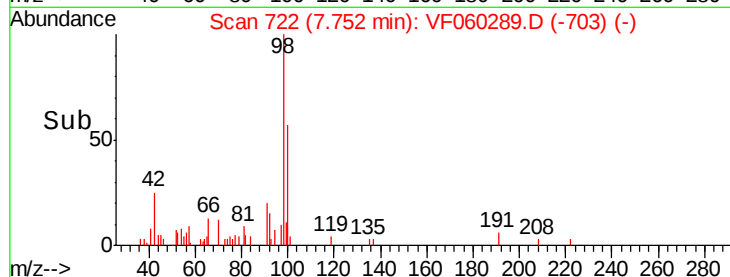
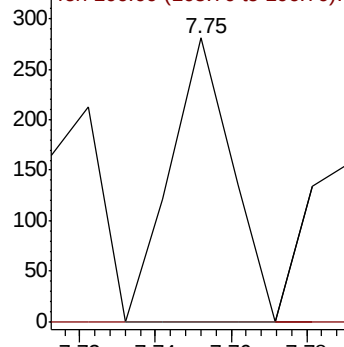
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



#59

2-Hexanone

Concen: 26.335 ug/l

RT: 9.61 min Scan# 911

Delta R.T. -0.00 min

Lab File: VF060289.D

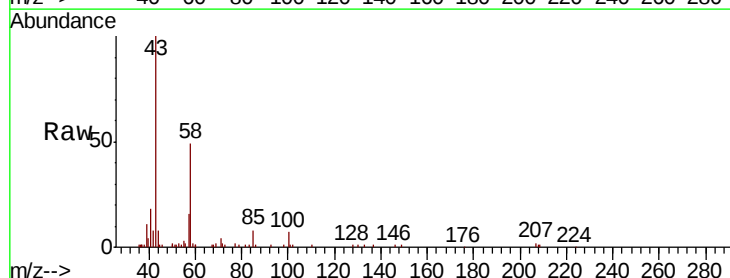
Acq: 19 Sep 2018 19:59

Tgt Ion: 43 Resp: 44409

Ion Ratio Lower Upper

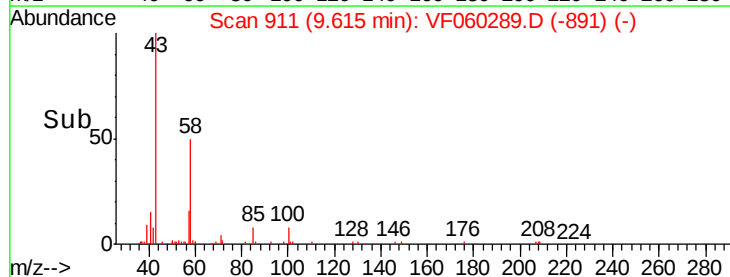
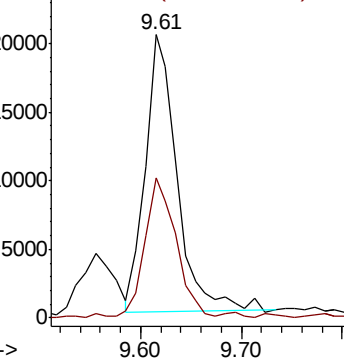
43 100

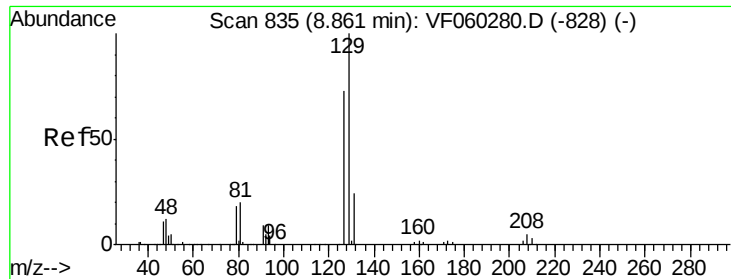
58 49.5 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#60

Dibromochloromethane

Concen: 0.036 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

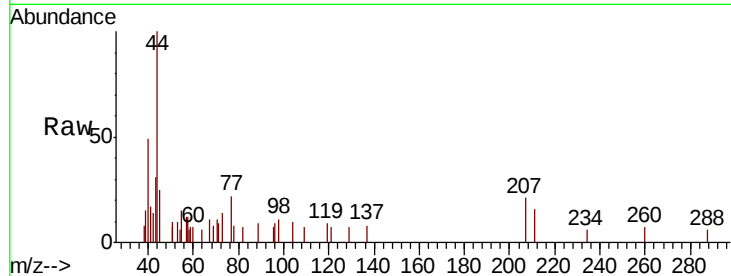
BS-OILY-STONE

Tgt Ion:129 Resp: 141

Ion Ratio Lower Upper

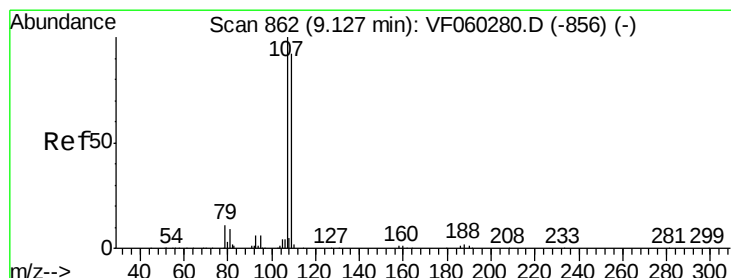
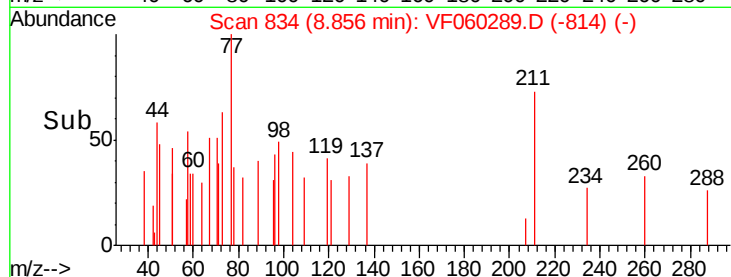
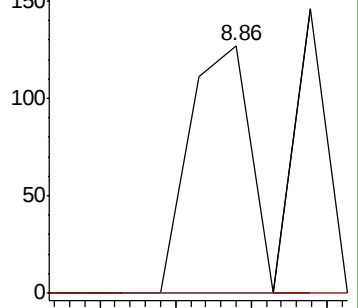
129 100

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



#61

1,2-Dibromoethane

Concen: 0.074 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.01 min

Lab File: VF060289.D

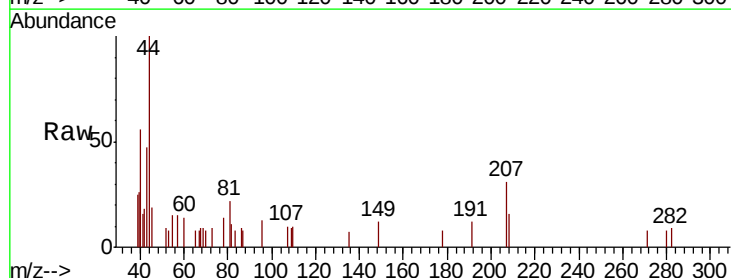
Acq: 19 Sep 2018 19:59

Tgt Ion:107 Resp: 216

Ion Ratio Lower Upper

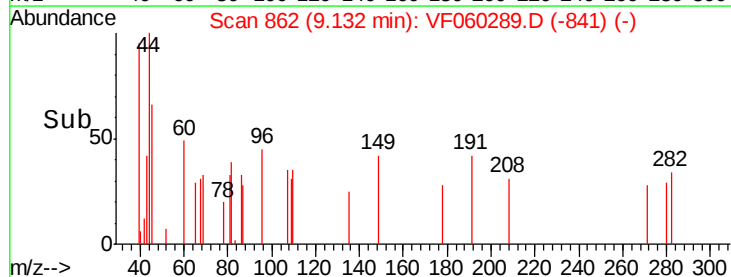
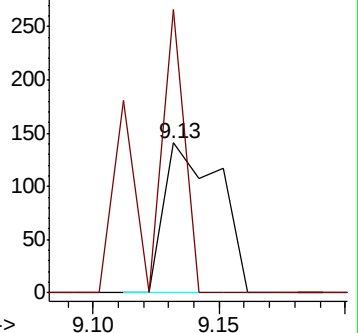
107 100

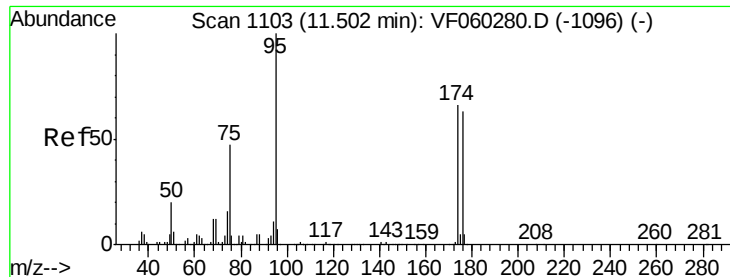
109 188.7 73.2 109.8#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#62

4-Bromofluorobenzene

Concen: 36.171 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

BS-OILY-STONE

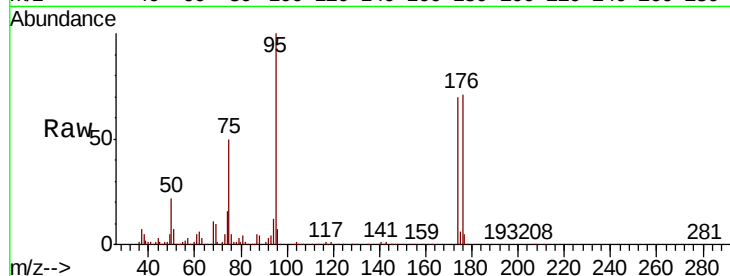
Tgt Ion: 95 Resp: 175541

Ion Ratio Lower Upper

95 100

174 69.6 0.0 131.2

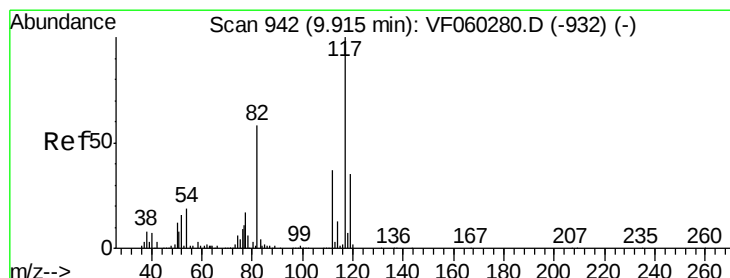
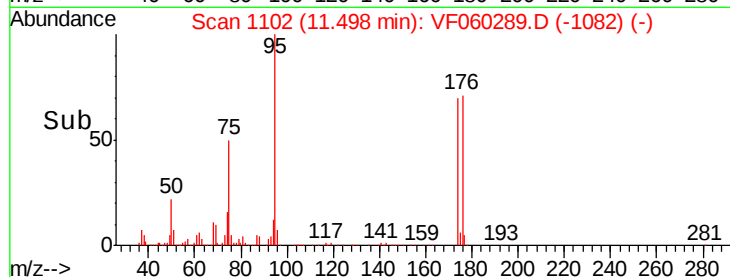
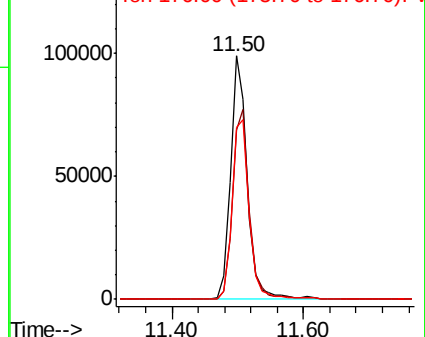
176 70.7 0.0 126.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

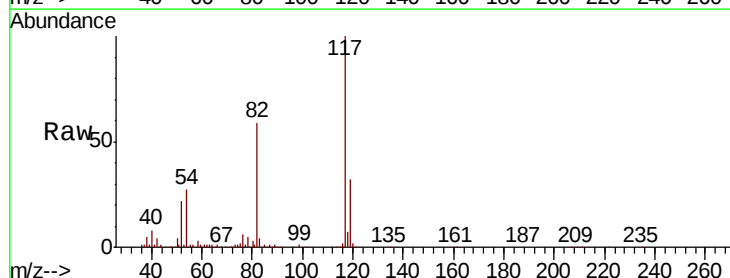
Tgt Ion: 117 Resp: 410799

Ion Ratio Lower Upper

117 100

82 59.2 46.2 69.2

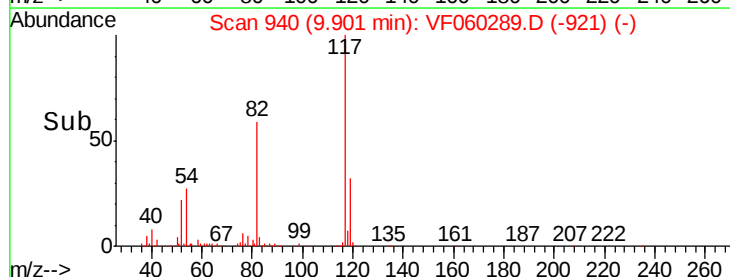
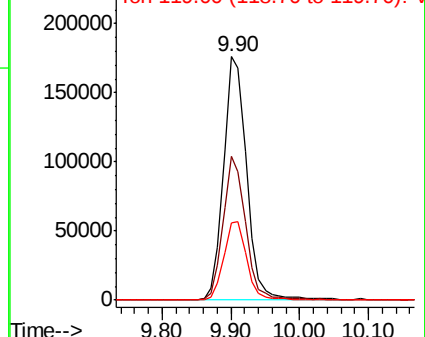
119 31.6 27.8 41.6

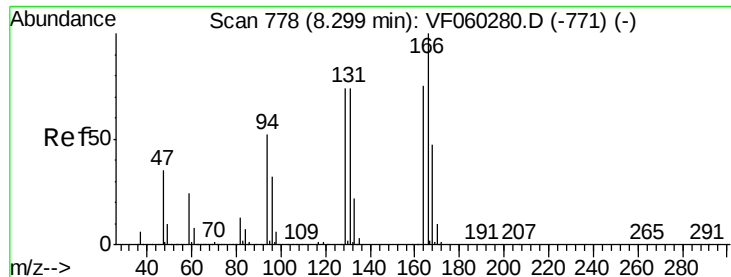


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#64

Tetrachloroethene

Concen: 0.070 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

BS-OILY-STONE

Tgt Ion:164 Resp: 262

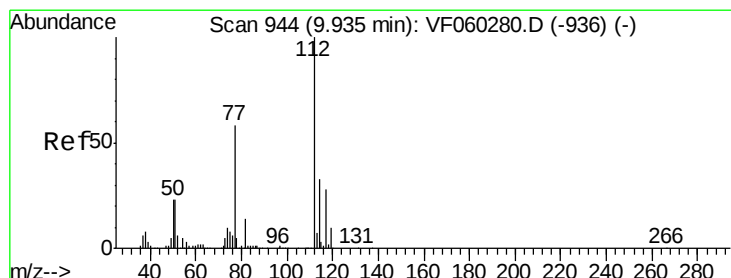
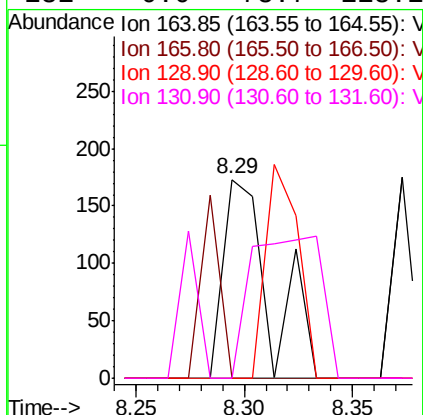
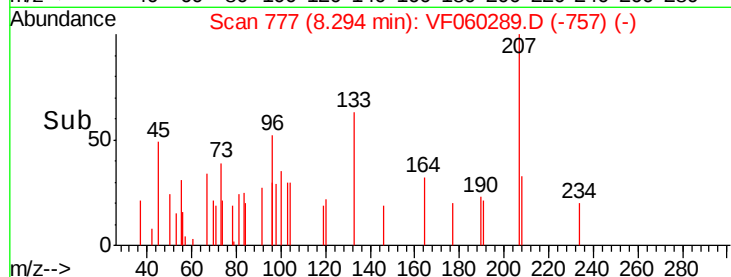
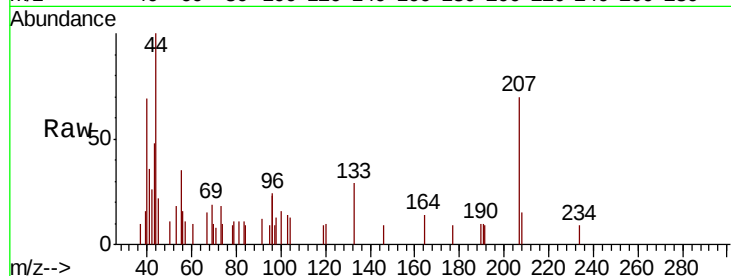
Ion Ratio Lower Upper

164 100

166 0.0 106.8 160.2#

129 0.0 78.8 118.2#

131 0.0 78.7 118.1#



#65

Chlorobenzene

Concen: 0.091 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.01 min

Lab File: VF060289.D

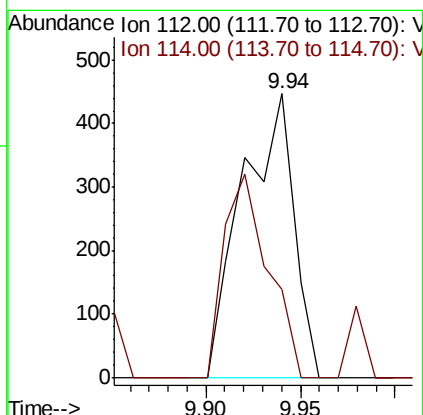
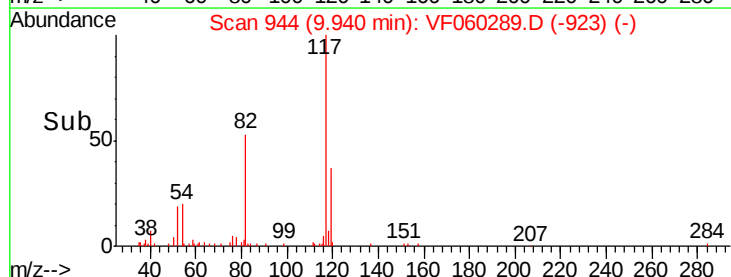
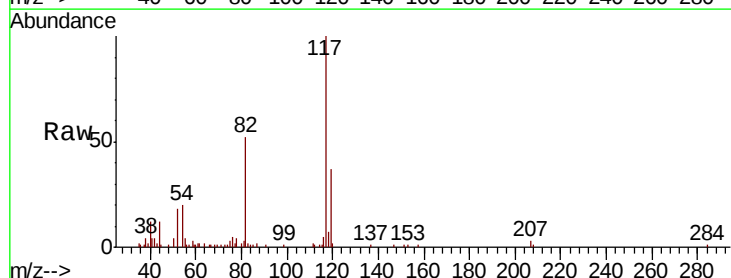
Acq: 19 Sep 2018 19:59

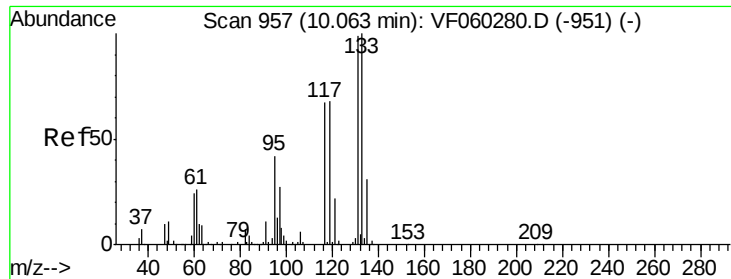
Tgt Ion:112 Resp: 847

Ion Ratio Lower Upper

112 100

114 30.9 26.6 40.0

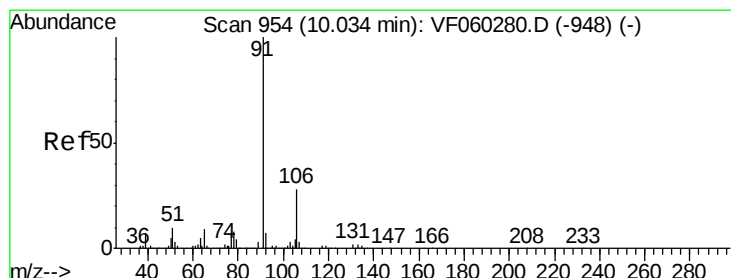
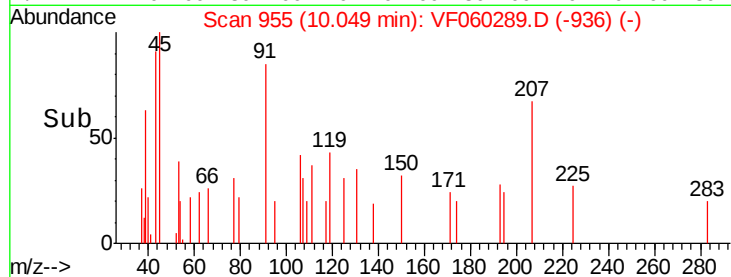
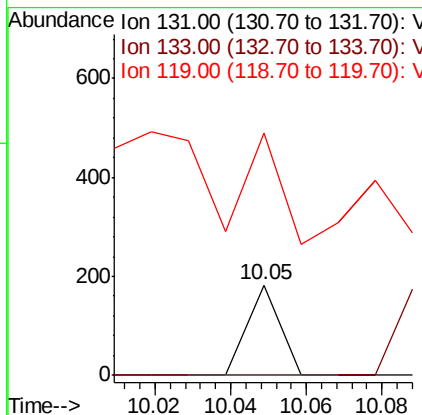
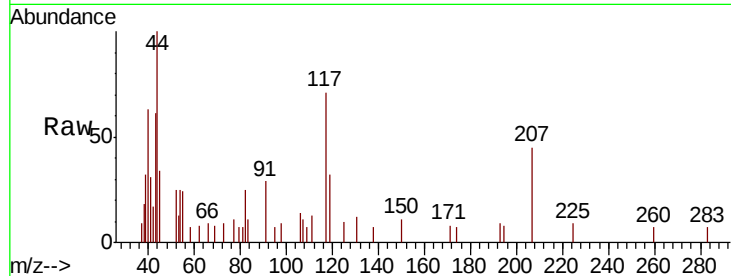




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.028 ug/l
 RT: 10.05 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VF060289.D
 Acq: 19 Sep 2018 19:59

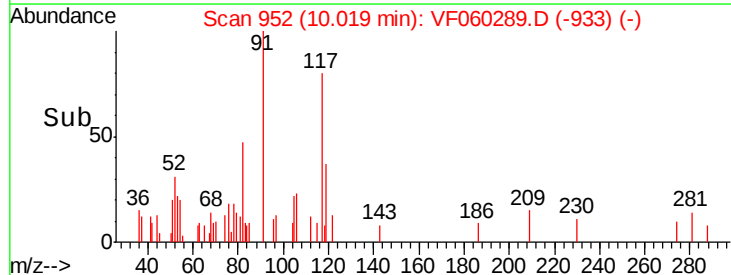
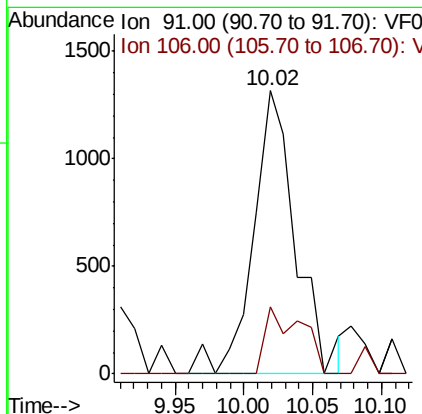
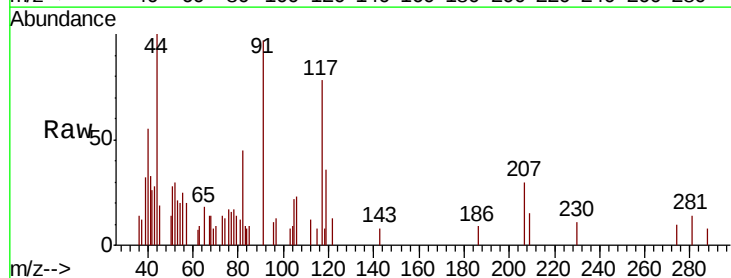
Instrument :
 MSVOA_F
 ClientSampleId :
 BS-OILY-STONE

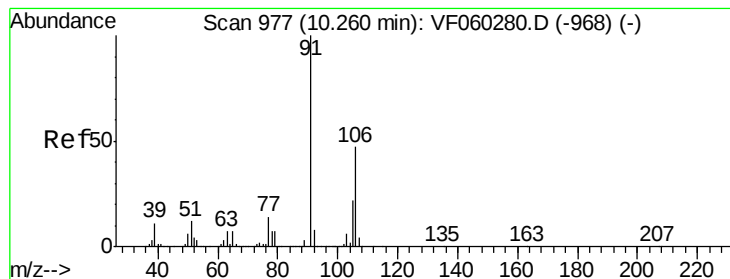
Tgt Ion: 131 Resp: 108
 Ion Ratio Lower Upper
 131 100
 133 0.0 50.4 151.2#
 119 268.7 34.8 104.3#



#67
 Ethyl Benzene
 Concen: 0.165 ug/l
 RT: 10.02 min Scan# 952
 Delta R.T. -0.01 min
 Lab File: VF060289.D
 Acq: 19 Sep 2018 19:59

Tgt Ion: 91 Resp: 2832
 Ion Ratio Lower Upper
 91 100
 106 23.5 22.7 34.1





#68

m/p-Xylenes

Concen: 0.248 ug/l

RT: 10.26 min Scan# 976

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

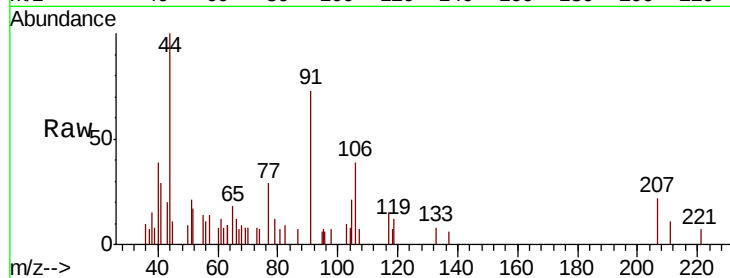
BS-OILY-STONE

Tgt Ion:106 Resp: 1475

Ion Ratio Lower Upper

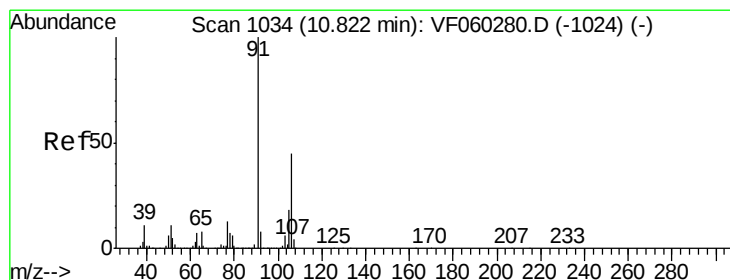
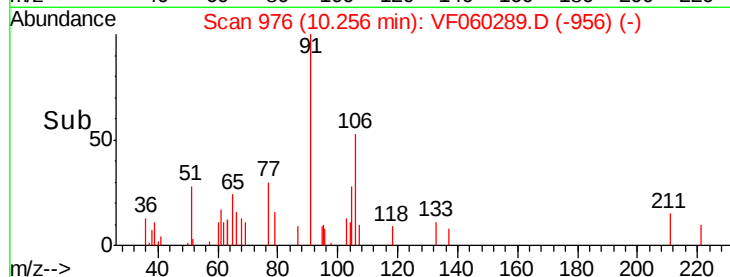
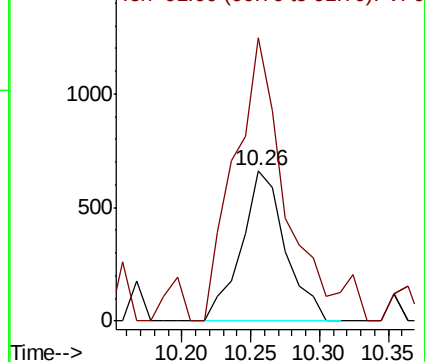
106 100

91 187.9 172.3 258.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 0.188 ug/l

RT: 10.82 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VF060289.D

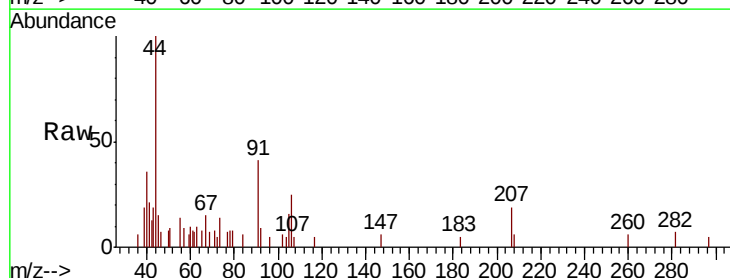
Acq: 19 Sep 2018 19:59

Tgt Ion:106 Resp: 1253

Ion Ratio Lower Upper

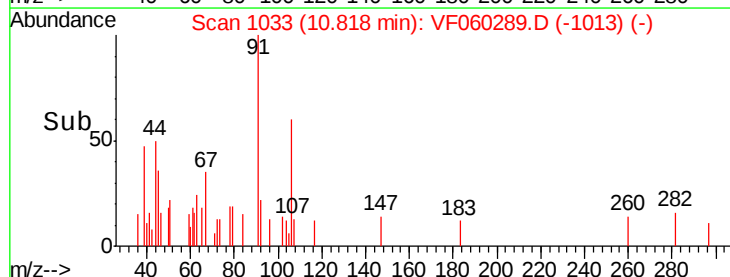
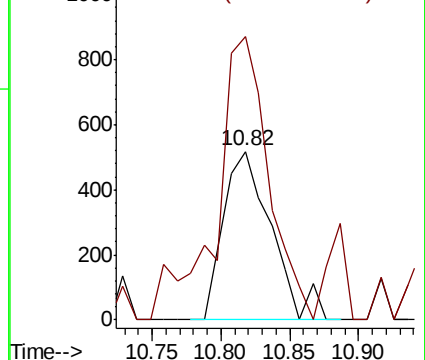
106 100

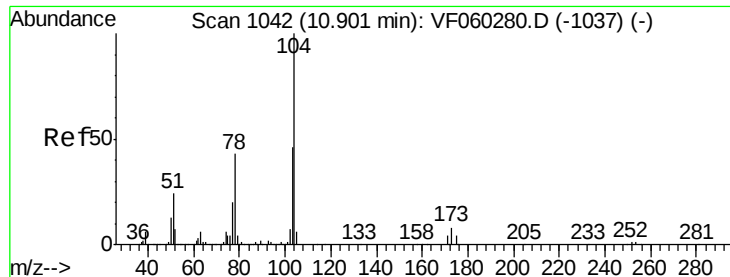
91 168.0 110.9 332.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#70

Styrene

Concen: 0.349 ug/l

RT: 10.90 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

BS-OILY-STONE

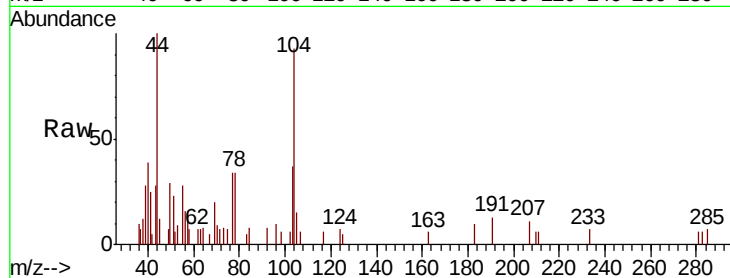
Tgt Ion:104 Resp: 3282

Ion Ratio Lower Upper

104 100

78 37.0 35.0 52.6

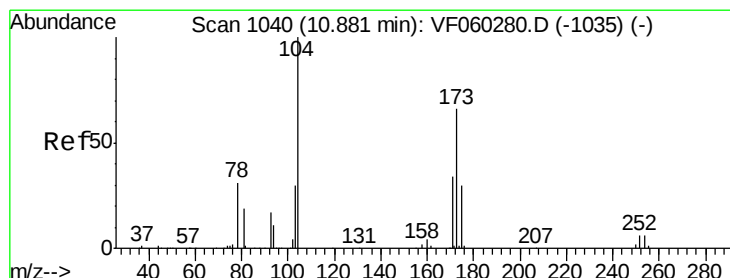
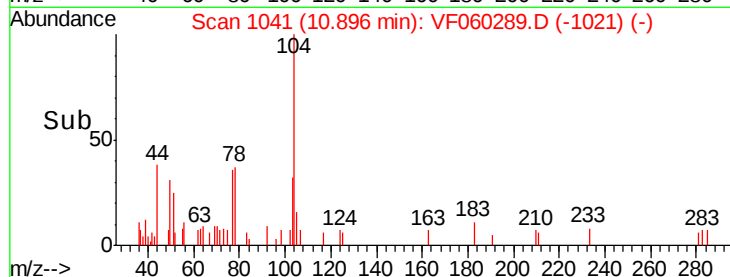
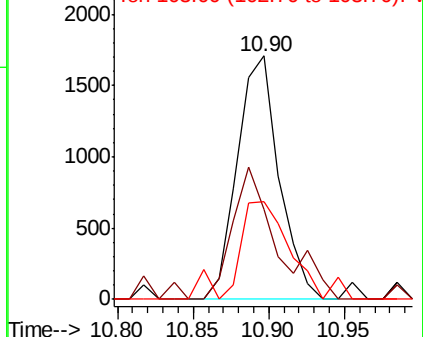
103 40.3 37.4 56.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.074 ug/l

RT: 10.89 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

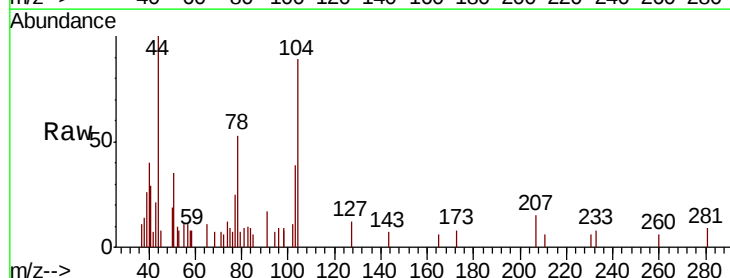
Tgt Ion:173 Resp: 157

Ion Ratio Lower Upper

173 100

175 0.0 22.3 66.9#

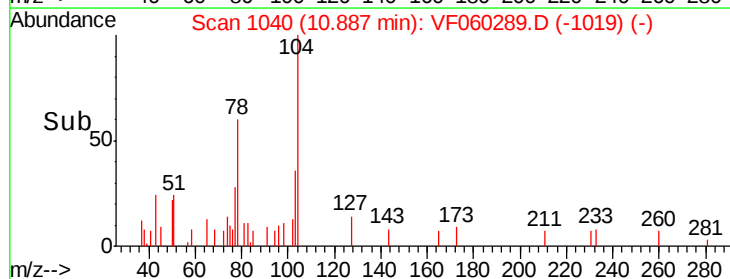
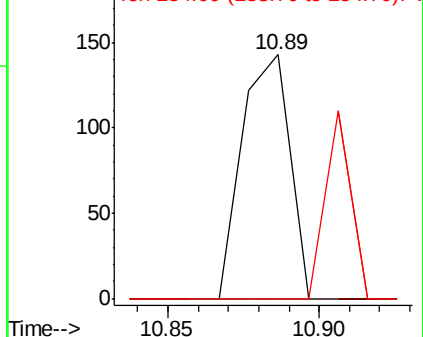
254 0.0 0.0 0.0

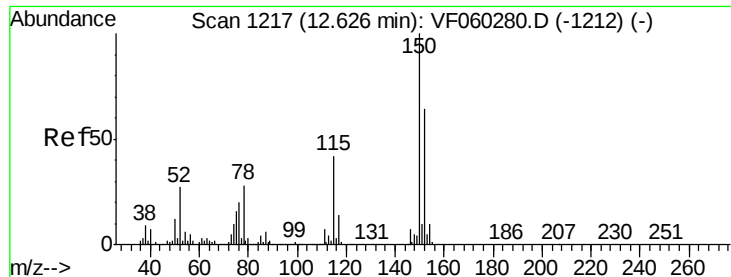


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



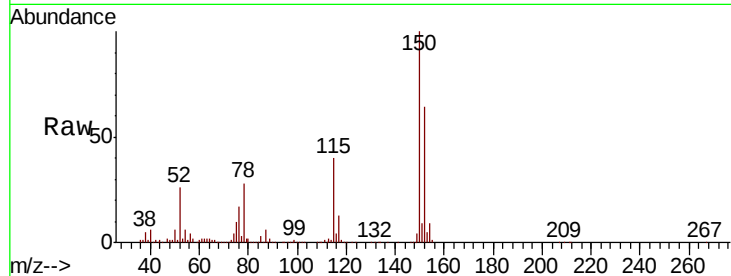


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

Instrument :
MSVOA_F
ClientSampleId :
BS-OILY-STONE

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.4	32.6	97.8
150	156.1	0.0	314.2

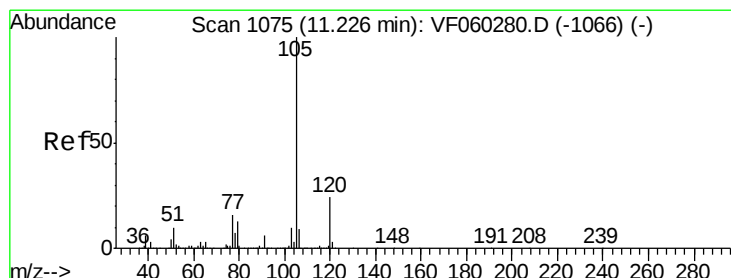
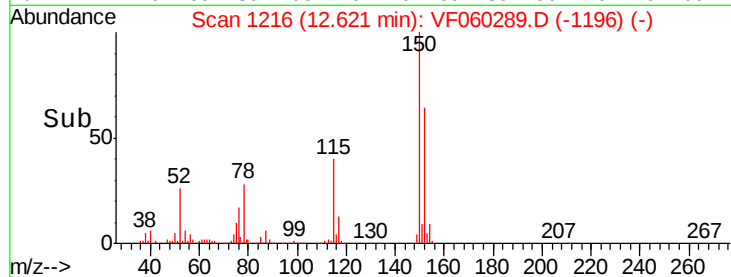
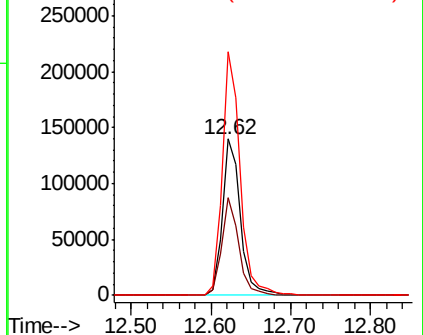


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

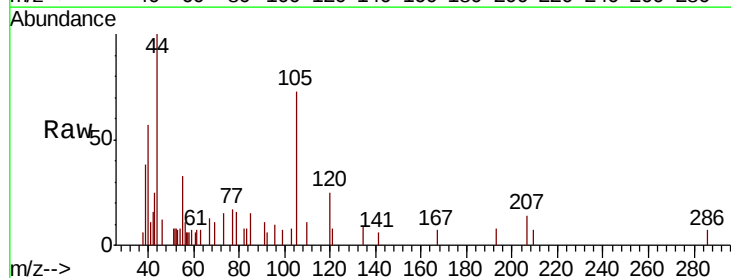
Ion 150.00 (149.70 to 150.70): V



#73

Isopropylbenzene
Concen: 0.124 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

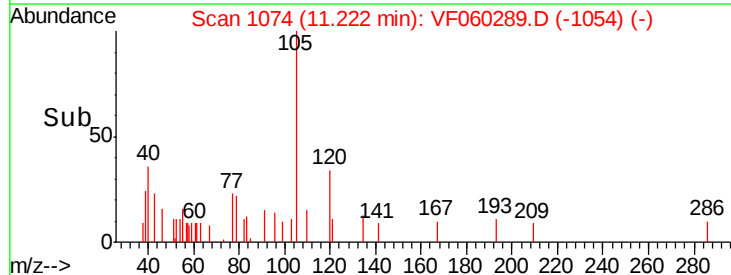
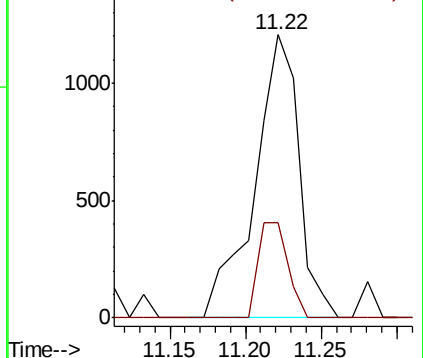
Tgt Ion	Ratio	Lower	Upper
105	100		
120	33.8	12.2	36.6

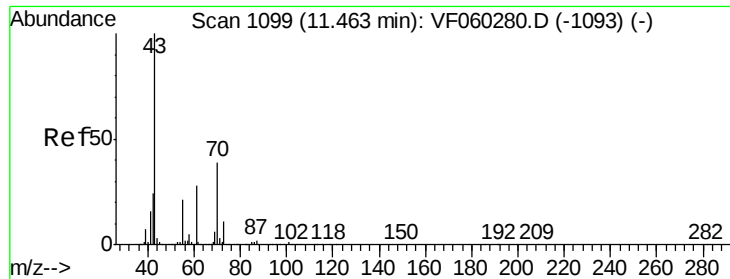


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 5.696 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

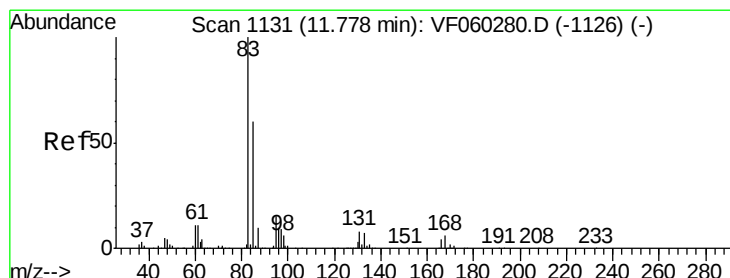
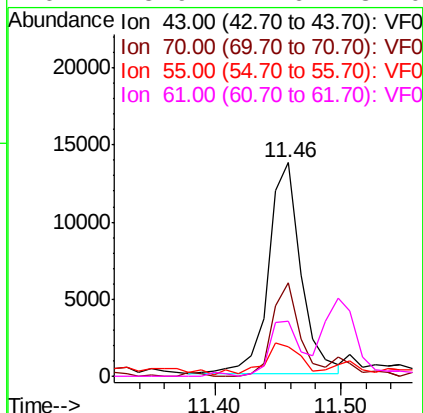
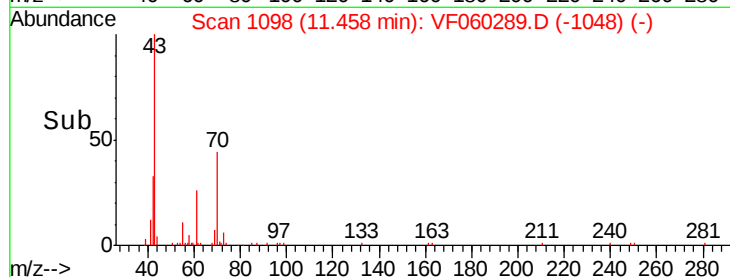
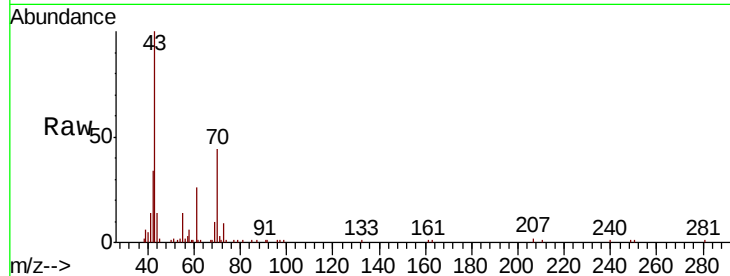
ClientSampleId :

BS-OILY-STONE

Tgt Ion: 43 Resp: 24350

Ion Ratio Lower Upper

43	100		
70	43.6	31.4	47.2
55	14.0	16.8	25.2
61	25.9	22.6	34.0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.029 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.01 min

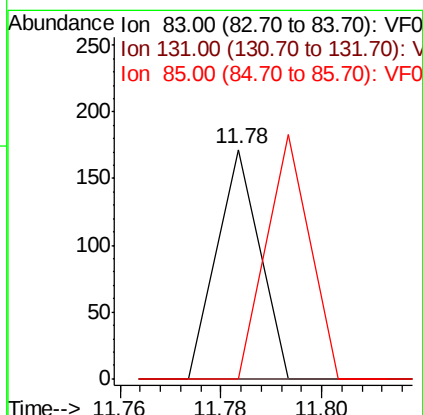
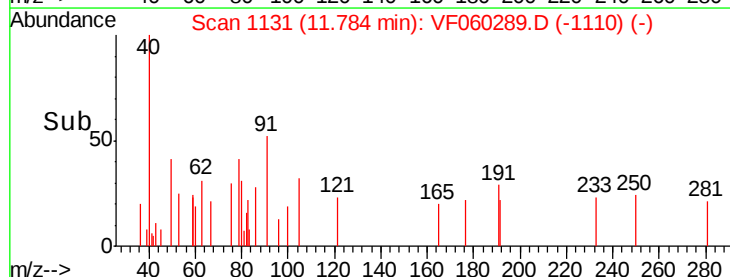
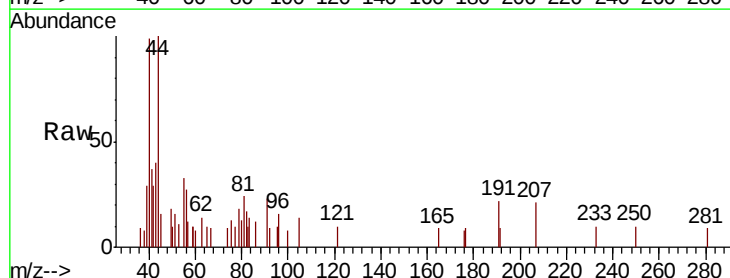
Lab File: VF060289.D

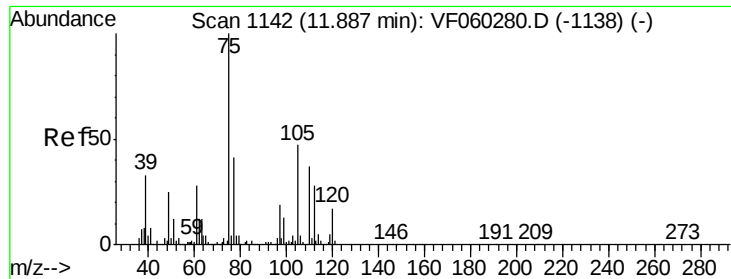
Acq: 19 Sep 2018 19:59

Tgt Ion: 83 Resp: 102

Ion Ratio Lower Upper

83	100		
131	0.0	4.2	12.4
85	0.0	30.1	90.5





#76

1,2,3-Trichloropropane

Concen: 0.361 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampled :

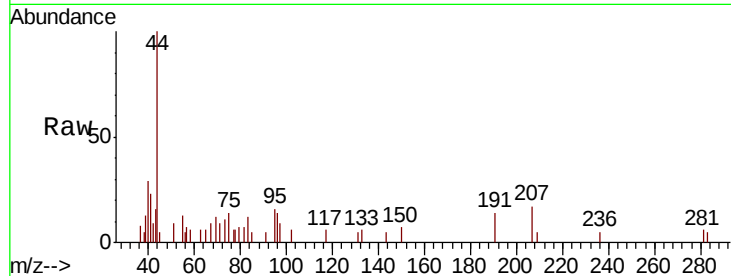
BS-OILY-STONE

Tgt Ion: 75 Resp: 919

Ion Ratio Lower Upper

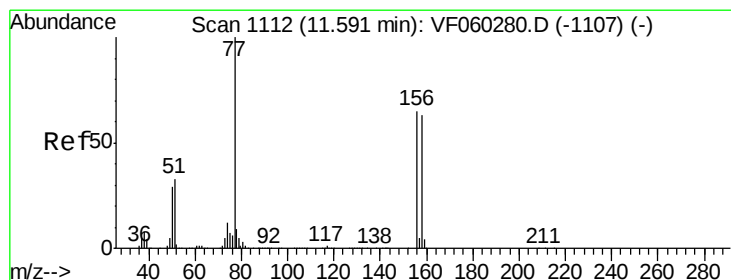
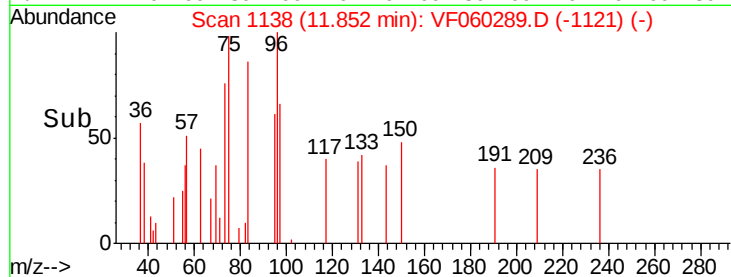
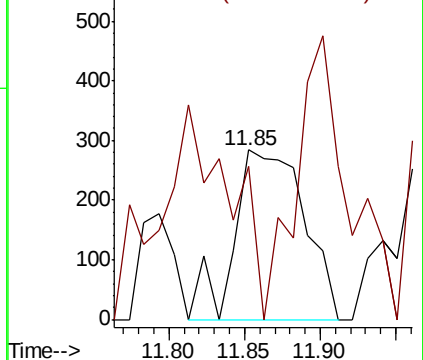
75 100

77 90.5 20.5 61.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#77

Bromobenzene

Concen: 0.151 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

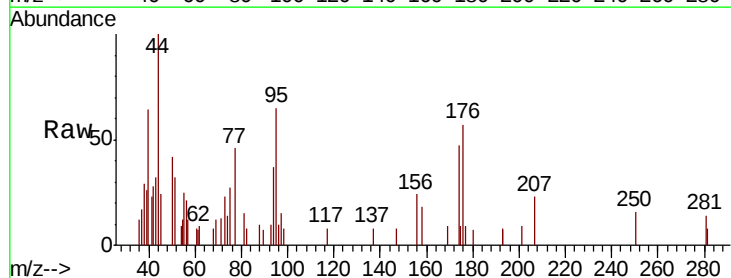
Tgt Ion: 156 Resp: 651

Ion Ratio Lower Upper

156 100

77 189.8 77.3 232.1

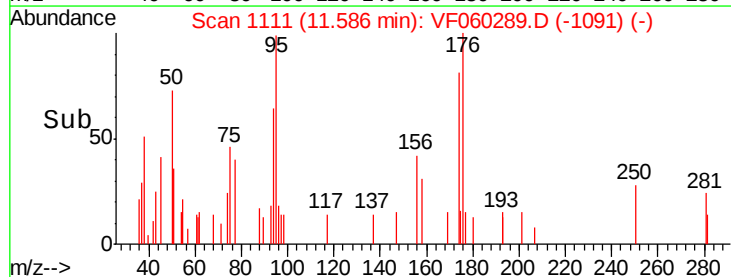
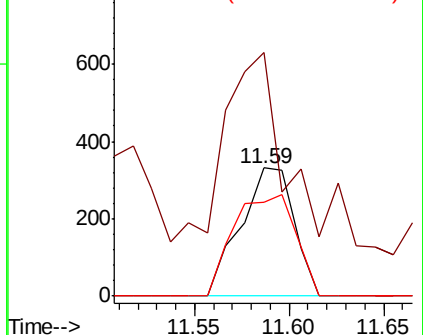
158 73.5 48.4 145.2

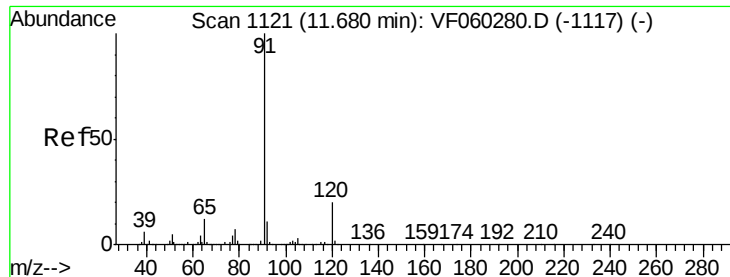


Abundance Ion 156.00 (155.70 to 156.70): V

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: 11.68 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

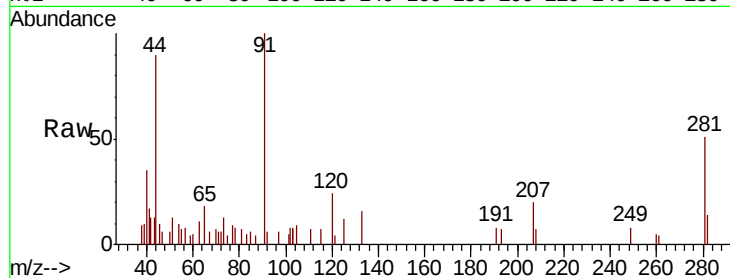
BS-OILY-STONE

Tgt Ion: 91 Resp: 4525

Ion Ratio Lower Upper

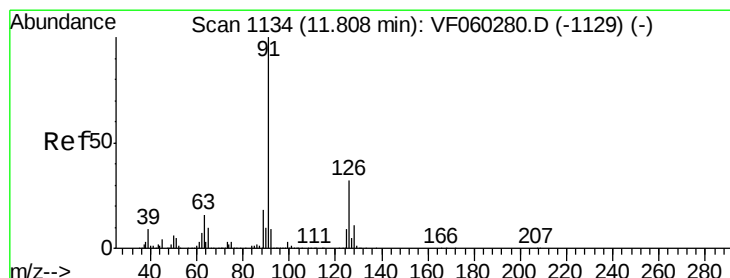
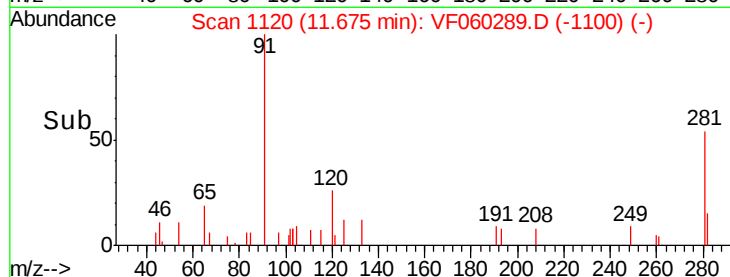
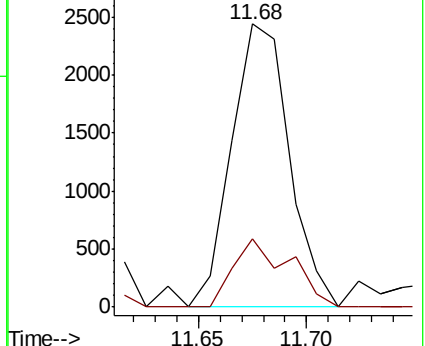
91 100

120 24.2 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: 0.131 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF060289.D

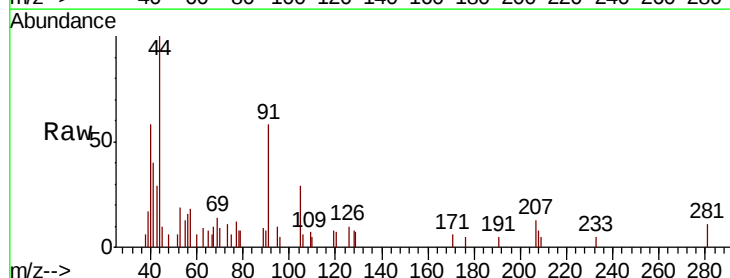
Acq: 19 Sep 2018 19:59

Tgt Ion: 91 Resp: 1773

Ion Ratio Lower Upper

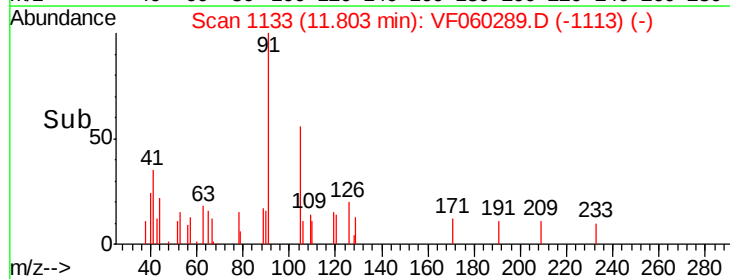
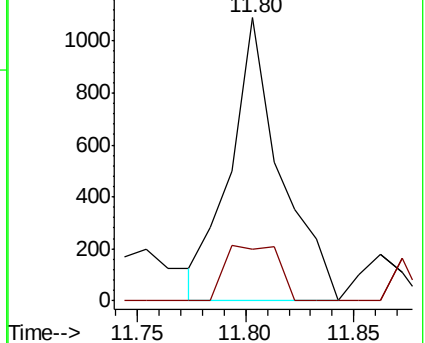
91 100

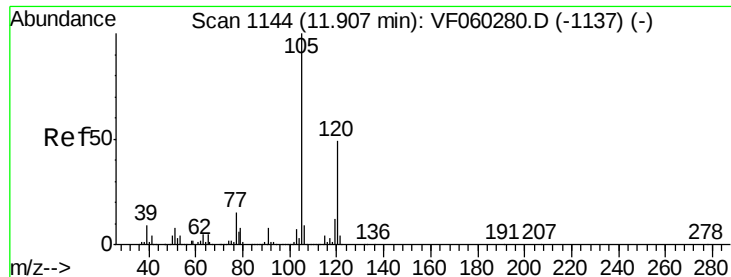
126 18.2 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.154 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

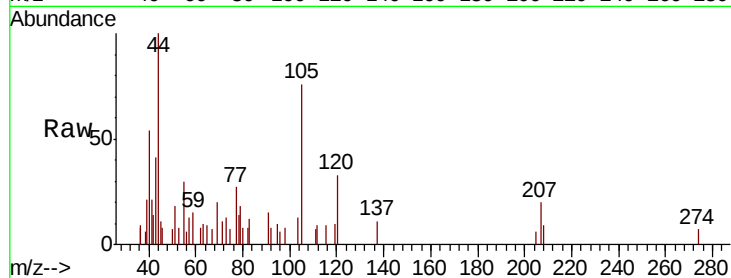
BS-OILY-STONE

Tgt Ion: 105 Resp: 2477

Ion Ratio Lower Upper

105 100

120 44.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500

1100

500

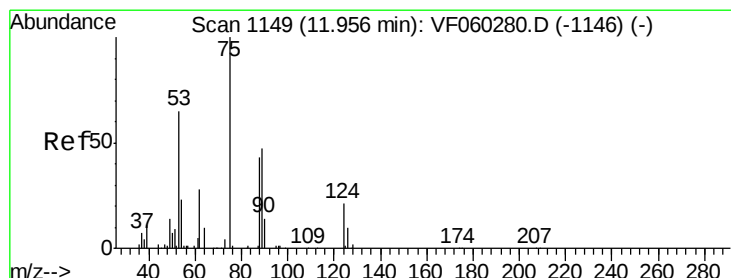
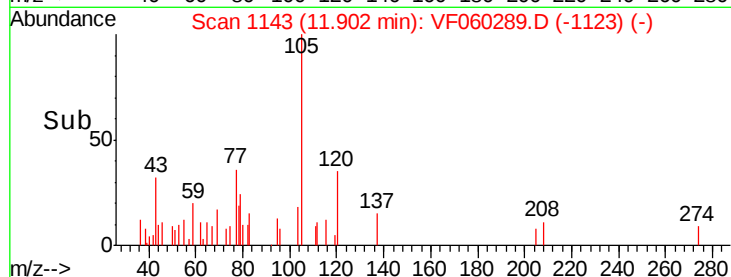
0

Time-->

11.85

11.90

11.95



#81

trans-1,4-Dichloro-2-butene

Concen: 0.417 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. 0.01 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

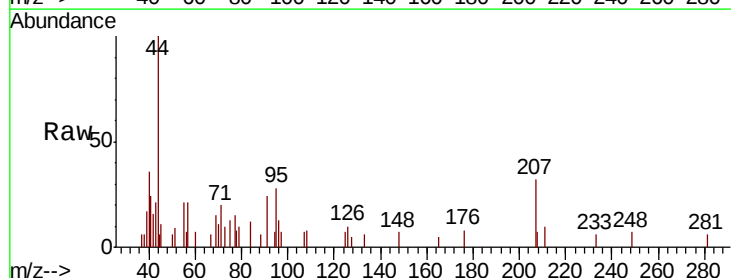
Tgt Ion: 75 Resp: 560

Ion Ratio Lower Upper

75 100

53 0.0 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

300

200

100

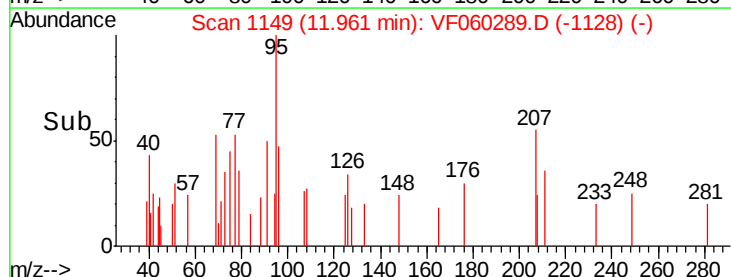
0

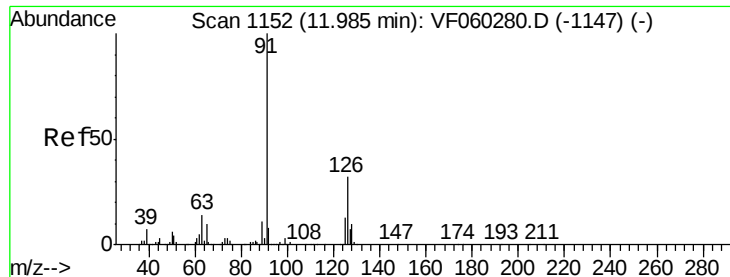
Time-->

11.90

11.95

12.00

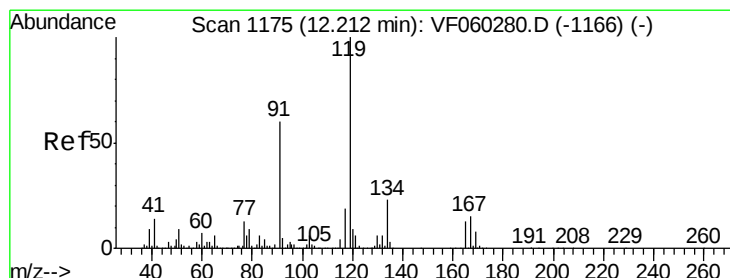
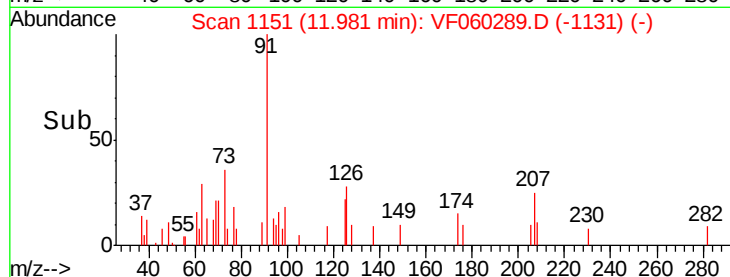
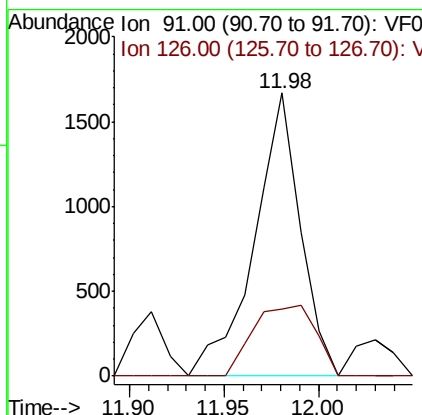
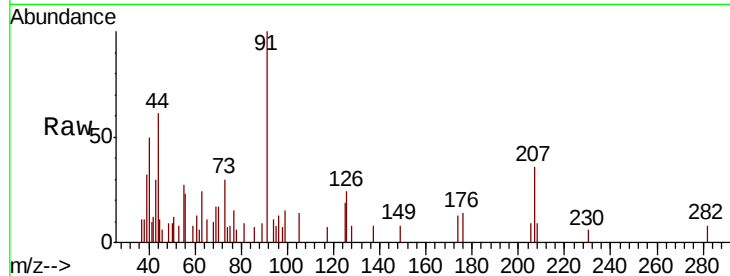




#82
4-Chlorotoluene
Concen: 0.209 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. -0.00 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

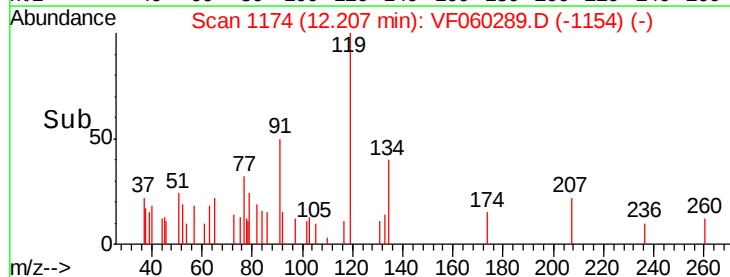
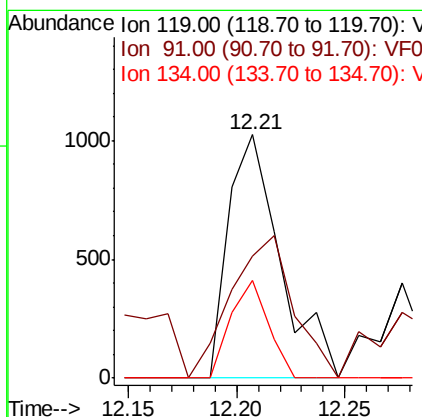
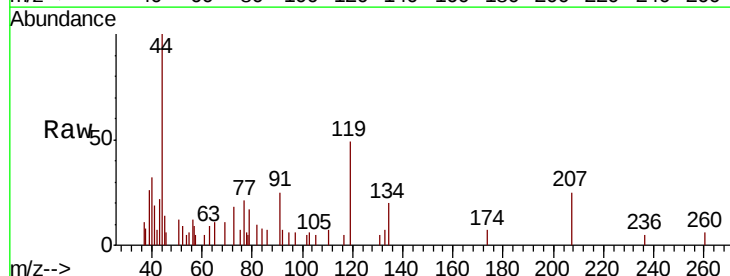
Instrument :
MSVOA_F
ClientSampleId :
BS-OILY-STONE

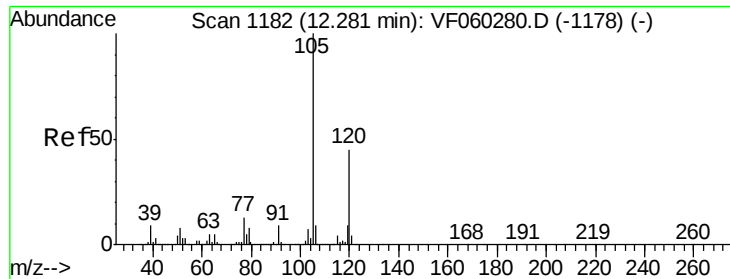
Tgt Ion: 91 Resp: 2837
Ion Ratio Lower Upper
91 100
126 23.7 16.1 48.2



#83
tert-Butylbenzene
Concen: 0.105 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

Tgt Ion: 119 Resp: 1722
Ion Ratio Lower Upper
119 100
91 50.3 30.3 91.0
134 40.2 11.6 34.8#

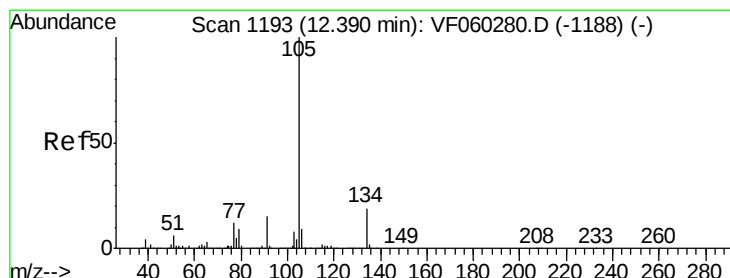
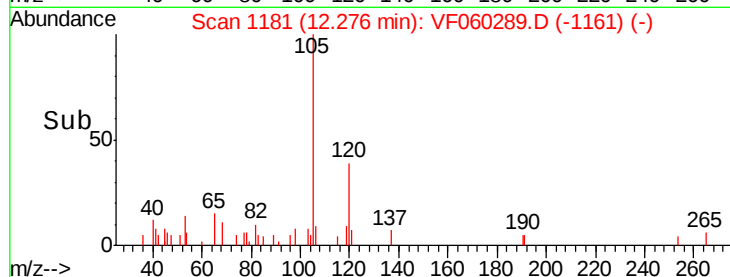
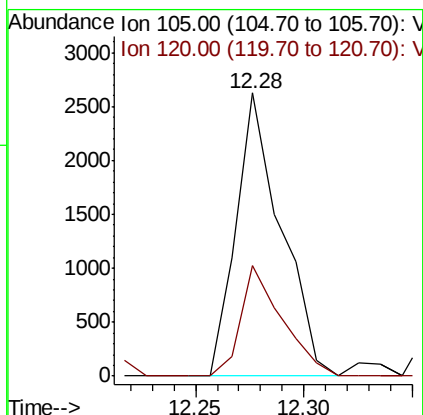
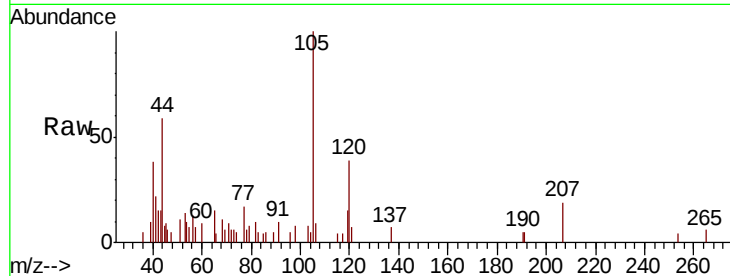




#84
1,2,4-Trimethylbenzene
Concen: 0.232 ug/l
RT: 12.28 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

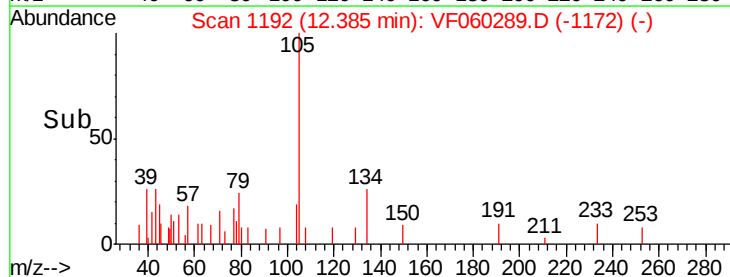
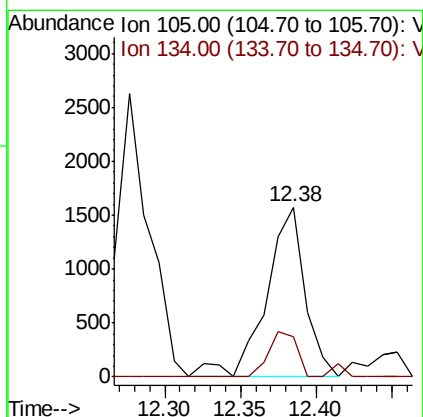
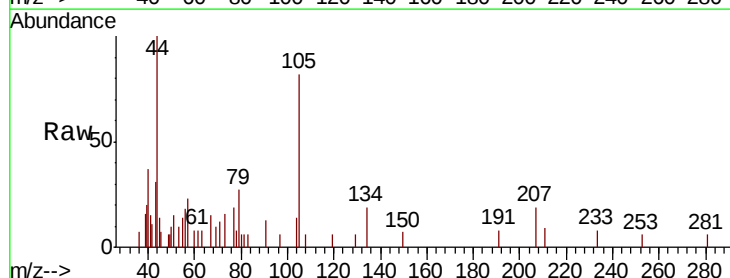
Instrument :
MSVOA_F
ClientSampleId :
BS-OILY-STONE

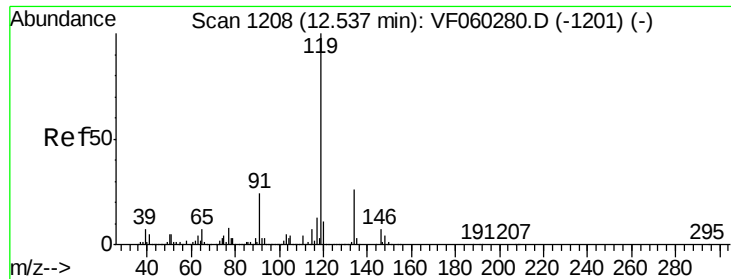
Tgt Ion:105 Resp: 3806
Ion Ratio Lower Upper
105 100
120 39.3 22.4 67.0



#85
sec-Butylbenzene
Concen: Below Cal
RT: 12.38 min Scan# 1192
Delta R.T. -0.00 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

Tgt Ion:105 Resp: 2843
Ion Ratio Lower Upper
105 100
134 23.6 9.6 28.6

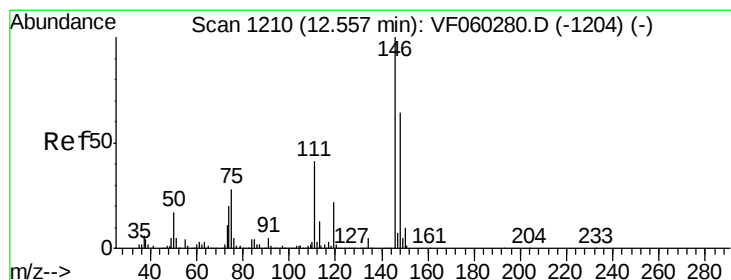
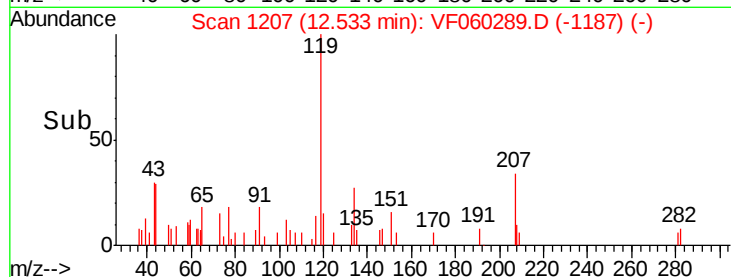
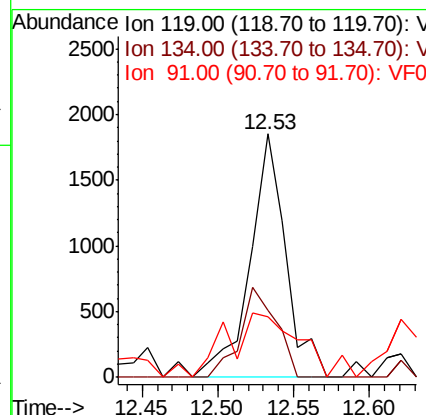
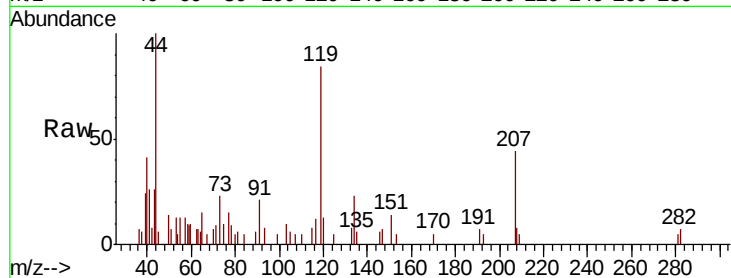




#86
p-Isopropyltoluene
Concen: Below Cal
RT: 12.53 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

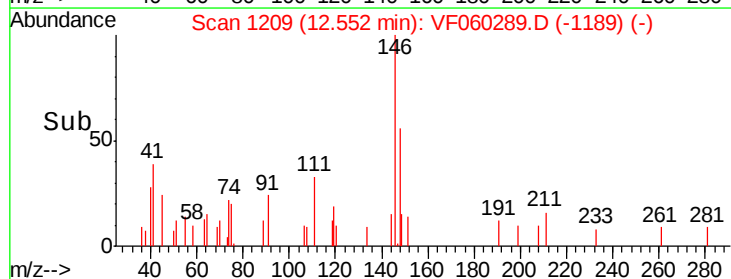
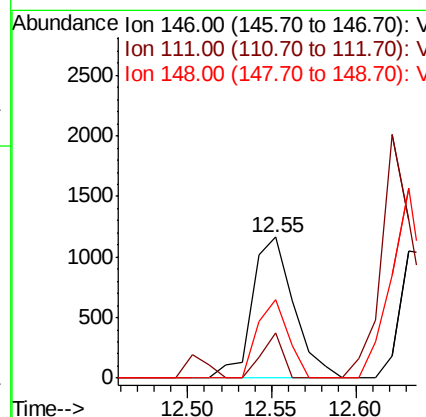
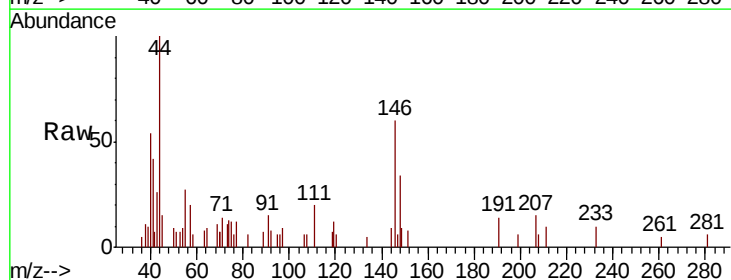
Instrument :
MSVOA_F
ClientSampleId :
BS-OILY-STONE

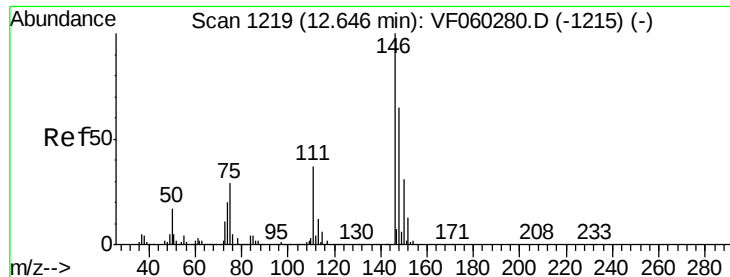
Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	12.9	38.7
91	25.1	11.9	35.7



#87
1,3-Dichlorobenzene
Concen: 0.247 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF060289.D
Acq: 19 Sep 2018 19:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.5	20.5	61.6
148	56.1	32.2	96.6

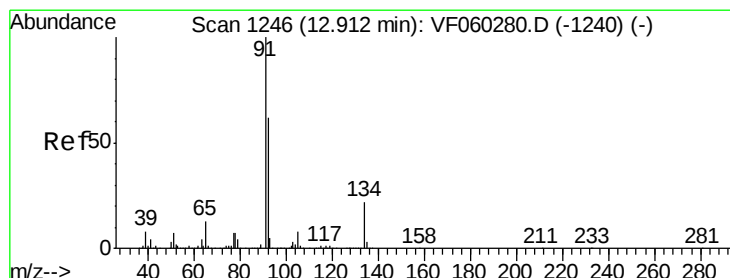
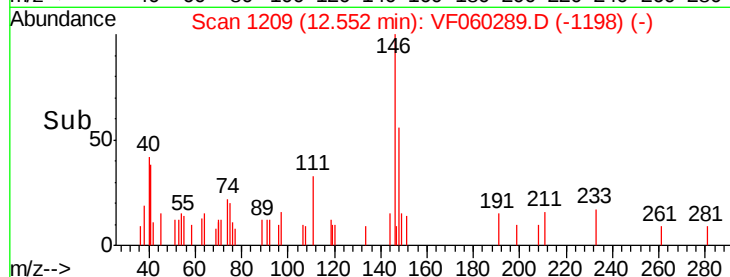
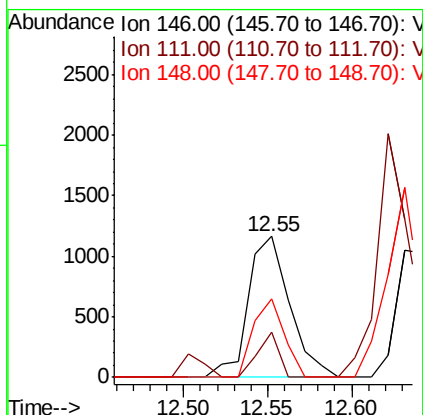
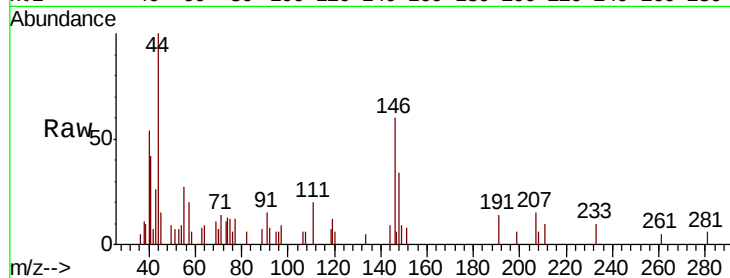




#88
 1,4-Dichlorobenzene
 Concen: 0.250 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.09 min
 Lab File: VF060289.D
 Acq: 19 Sep 2018 19:59

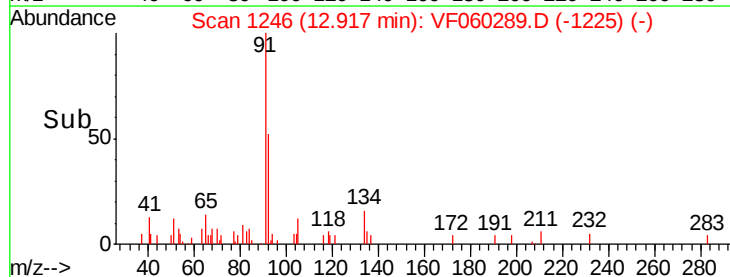
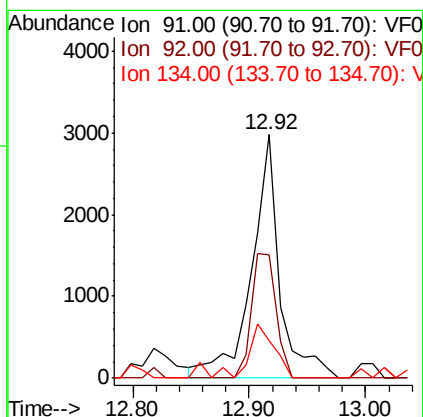
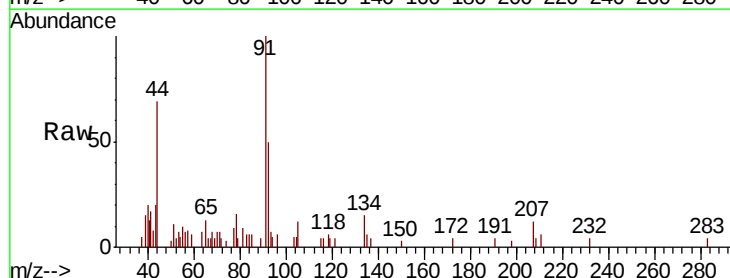
Instrument :
 MSVOA_F
 ClientSampleId :
 BS-OILY-STONE

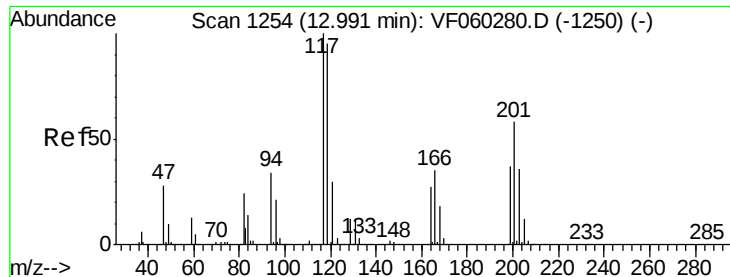
Tgt Ion: 146 Resp: 1996
 Ion Ratio Lower Upper
 146 100
 111 32.5 18.7 56.1
 148 56.1 32.4 97.0



#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 12.92 min Scan# 1246
 Delta R.T. 0.01 min
 Lab File: VF060289.D
 Acq: 19 Sep 2018 19:59

Tgt Ion: 91 Resp: 4979
 Ion Ratio Lower Upper
 91 100
 92 50.5 31.1 93.5
 134 15.3 11.0 33.0





#90

Hexachloroethane

Concen: 0.050 ug/l

RT: 13.02 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

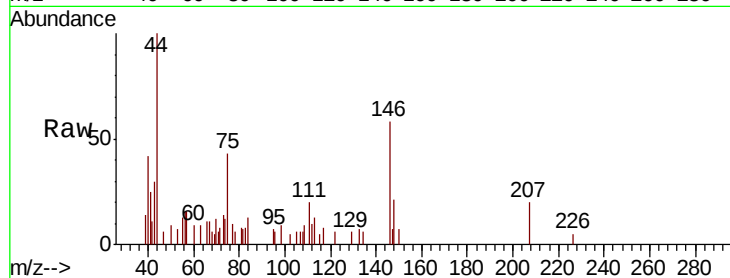
BS-OILY-STONE

Tgt Ion:117 Resp: 229

Ion Ratio Lower Upper

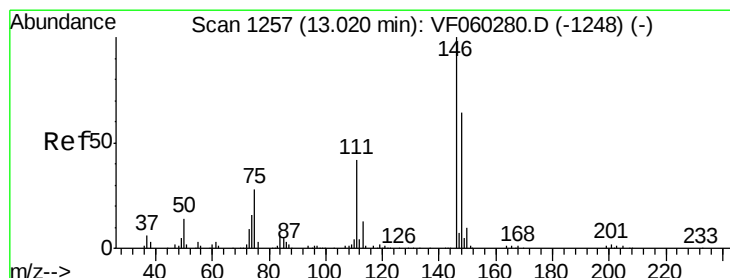
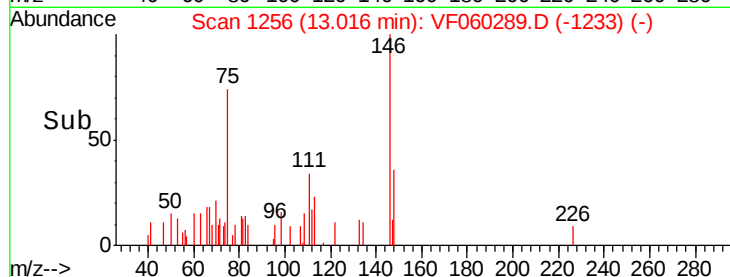
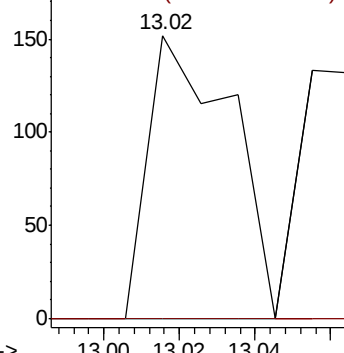
117 100

201 0.0 29.0 87.0#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#91

1,2-Dichlorobenzene

Concen: 0.197 ug/l

RT: 13.02 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

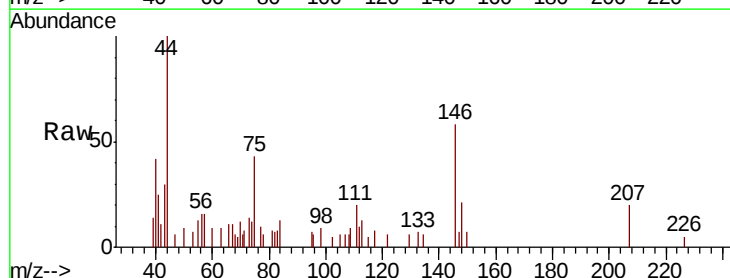
Tgt Ion:146 Resp: 1516

Ion Ratio Lower Upper

146 100

111 33.9 20.9 62.8

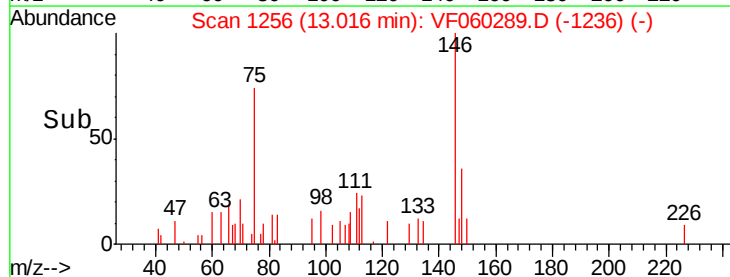
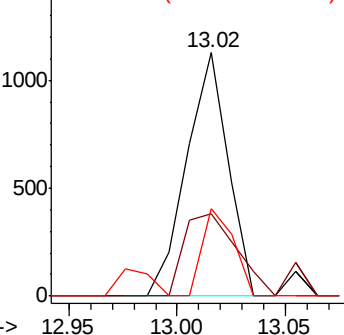
148 35.9 31.9 95.9

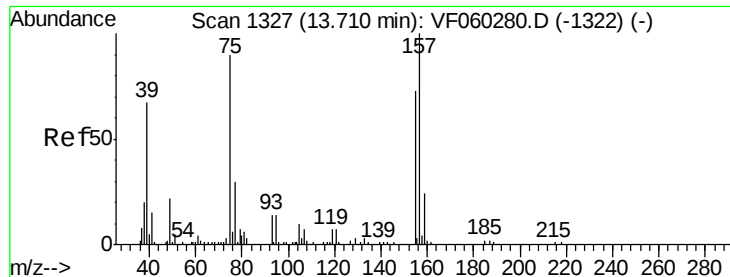


Abundance Ion 146.00 (145.70 to 146.70): V

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: 0.225 ug/l

RT: 13.74 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

BS-OILY-STONE

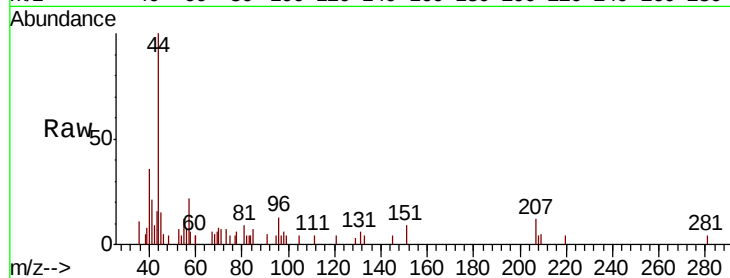
Tgt Ion: 75 Resp: 150

Ion Ratio Lower Upper

75 100

155 0.0 41.9 125.7#

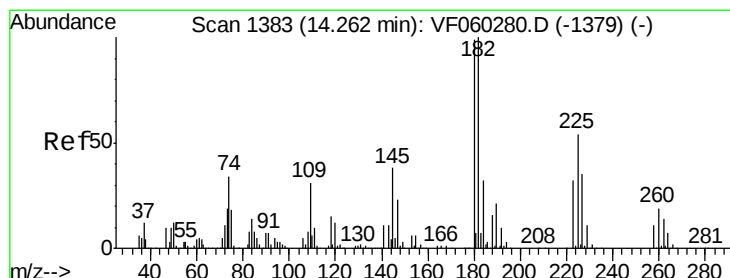
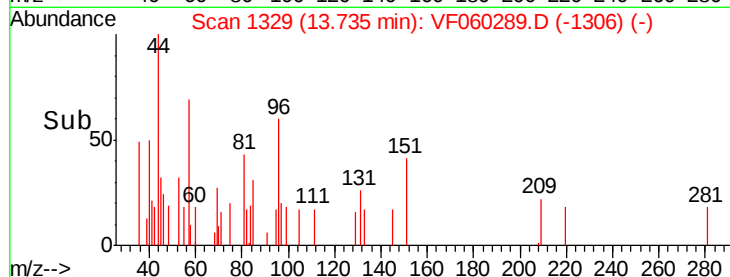
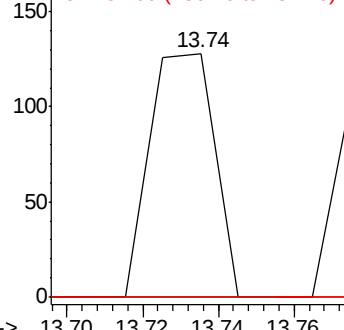
157 0.0 57.4 172.0#



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: 0.342 ug/l

RT: 14.26 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

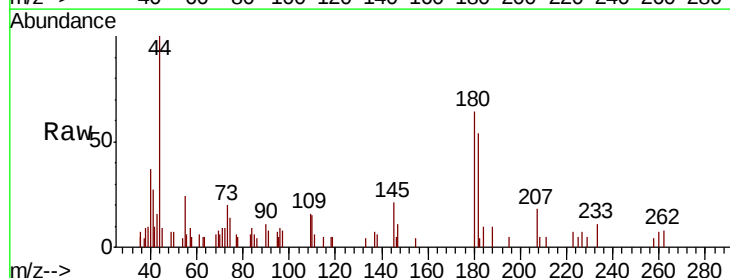
Tgt Ion: 180 Resp: 1915

Ion Ratio Lower Upper

180 100

182 90.4 50.3 151.0

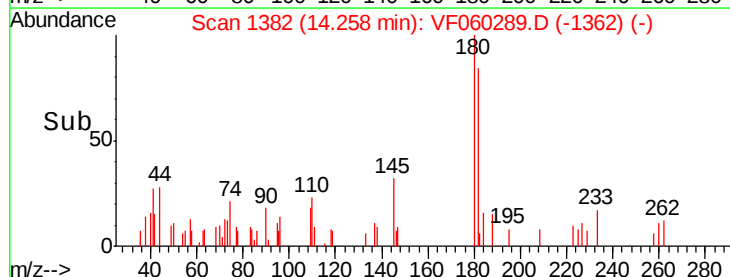
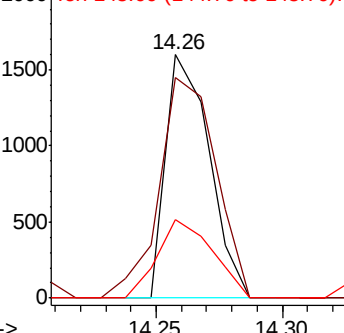
145 32.0 18.9 56.9

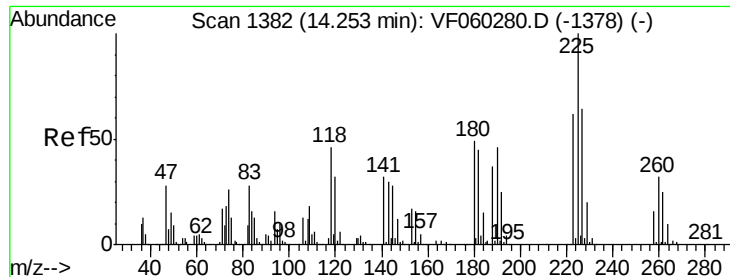


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#94

Hexachlorobutadiene

Concen: 0.115 ug/l

RT: 14.25 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

BS-OILY-STONE

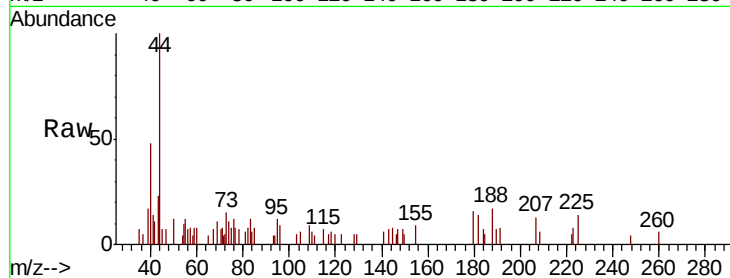
Tgt Ion: 225 Resp: 434

Ion Ratio Lower Upper

225 100

223 59.8 31.2 93.6

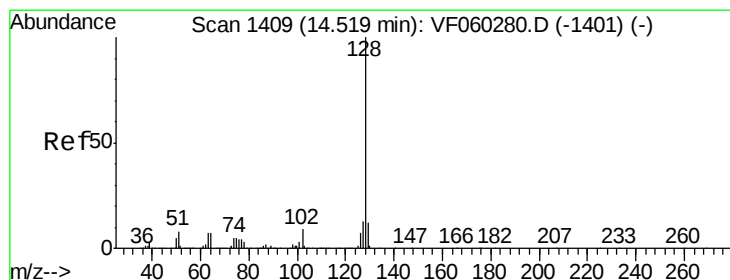
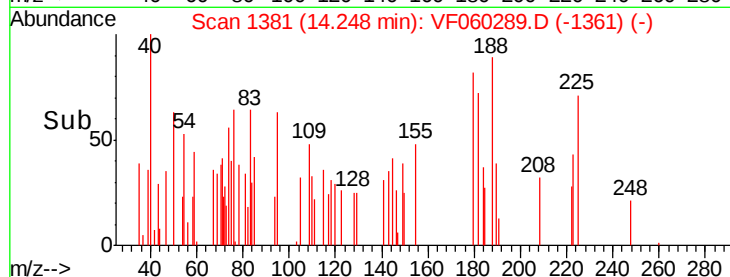
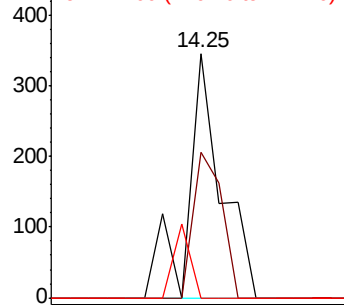
227 0.0 32.2 96.6#



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#95

Naphthalene

Concen: 3.950 ug/l

RT: 14.51 min Scan# 1408

Delta R.T. -0.00 min

Lab File: VF060289.D

Acq: 19 Sep 2018 19:59

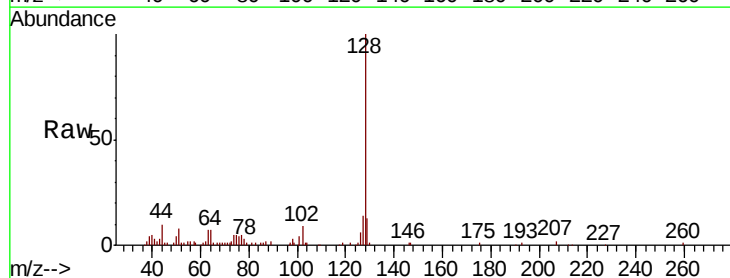
Tgt Ion: 128 Resp: 38766

Ion Ratio Lower Upper

128 100

127 13.6 10.1 15.1

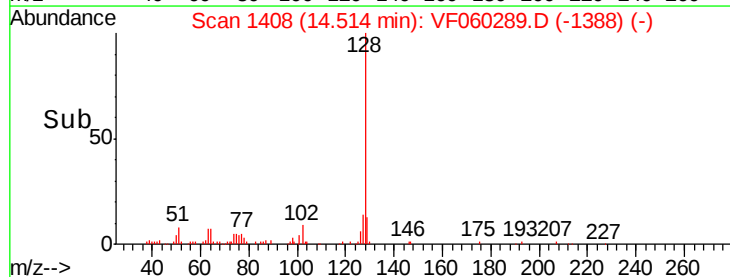
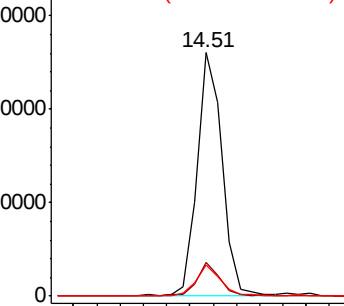
129 12.8 9.8 14.8

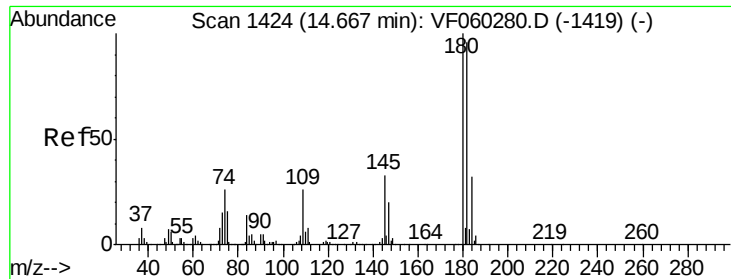


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.437 ug/l
 RT: 14.66 min Scan# 1423
 Delta R.T. -0.00 min
 Lab File: VF060289.D
 Acq: 19 Sep 2018 19:59

Instrument :
 MSVOA_F
 ClientSampleId :
 BS-OILY-STONE

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.0	47.8	143.4
145	40.4	16.4	49.1

