

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
 Data File : VX001546.D
 Acq On : 09 May 2018 06:28
 Operator : JC/MD
 Sample : J2783-06 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BS-OILY-STONE-RO-208

Quant Time: May 09 08:10:46 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	249859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	342322	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	308219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	176709	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	170174	47.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.78%	
35) Dibromofluoromethane	5.51	113	131289	43.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.24%	
50) Toluene-d8	8.72	98	474119	42.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.32%	
62) 4-Bromofluorobenzene	11.14	95	158169	37.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.14%	

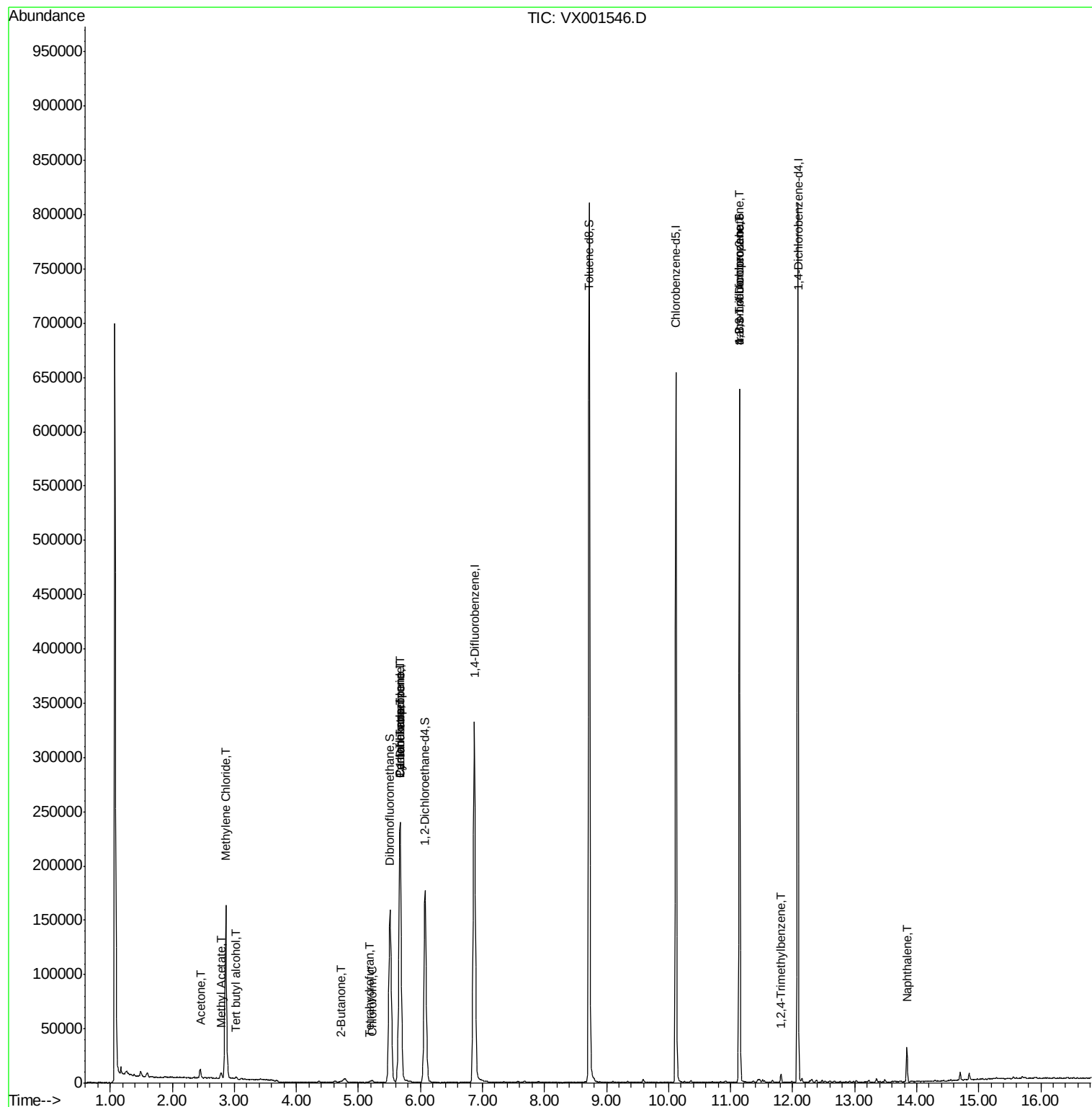
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	160	Below Cal	#	43
11) Tert butyl alcohol	3.03	59	1521	2.01	ug/l #	80
13) Acrolein	2.32	56	83	Below Cal	#	1
16) Acetone	2.45	43	9239	5.67	ug/l	98
18) Methyl Acetate	2.78	43	7100	1.66	ug/l	100
20) Methylene Chloride	2.86	84	74267	23.00	ug/l	98
25) 2-Butanone	4.71	43	2675	1.13	ug/l #	88
29) Tetrahydrofuran	5.18	42	565	0.37	ug/l #	85
30) Chloroform	5.23	83	1677	0.30	ug/l #	80
31) Cyclohexane	5.67	56	4271	0.92	ug/l #	5
36) 1,1-Dichloropropene	5.67	75	16115	3.70	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22015	4.74	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	80148	22.36	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	80148	69.48	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	3501	0.33	ug/l	100
95) Naphthalene	13.84	128	19486	1.49	ug/l	100

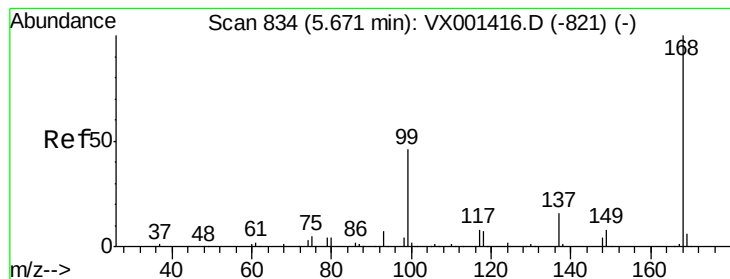
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001546.D

Acq: 09 May 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

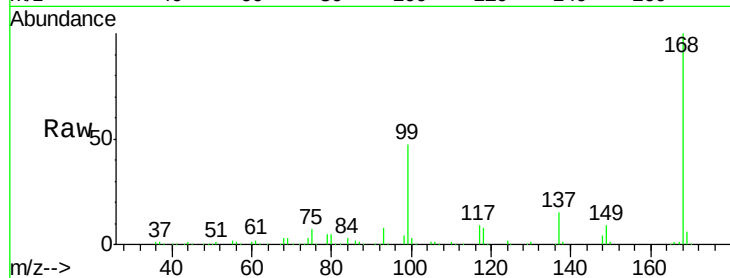
BS-OILY-STONE-RO-208

Tgt Ion:168 Resp: 249859

Ion Ratio Lower Upper

168 100

99 46.8 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

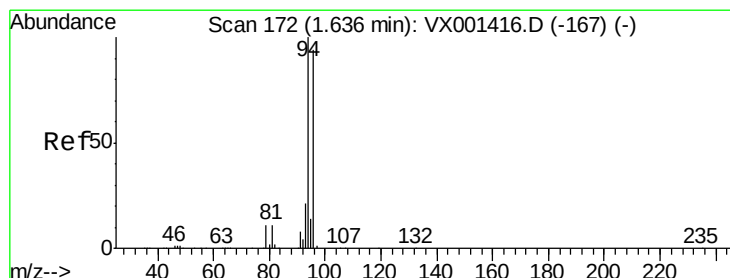
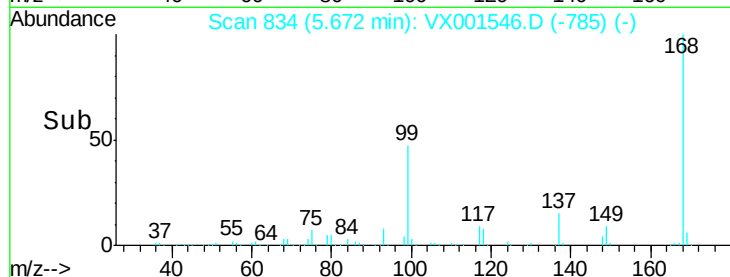
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 167

Delta R.T. -0.03 min

Lab File: VX001546.D

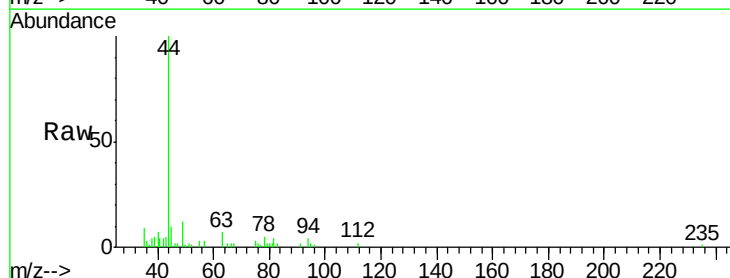
Acq: 09 May 2018 06:28

Tgt Ion: 94 Resp: 160

Ion Ratio Lower Upper

94 100

96 39.3 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

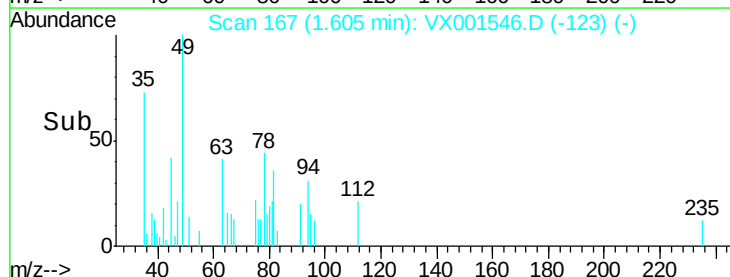
150

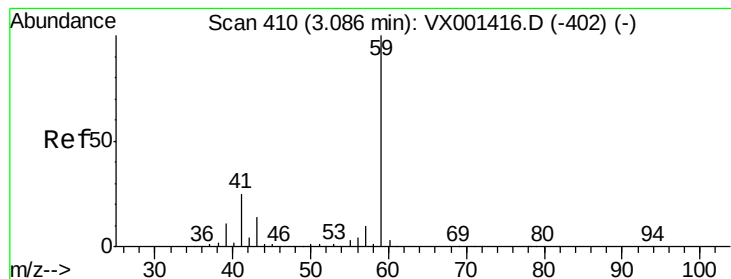
100

50

0

Time-->





#11

Tert butyl alcohol

Concen: 2.01 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX001546.D

Acq: 09 May 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

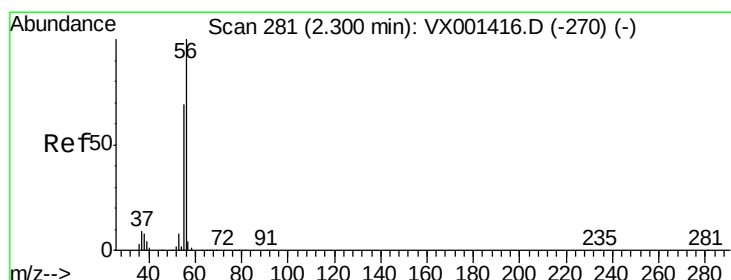
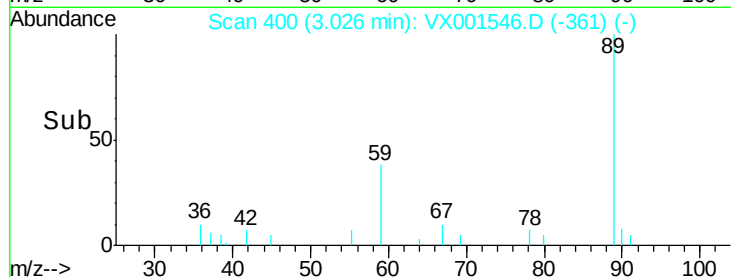
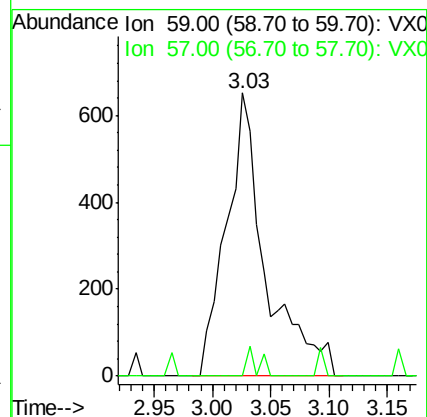
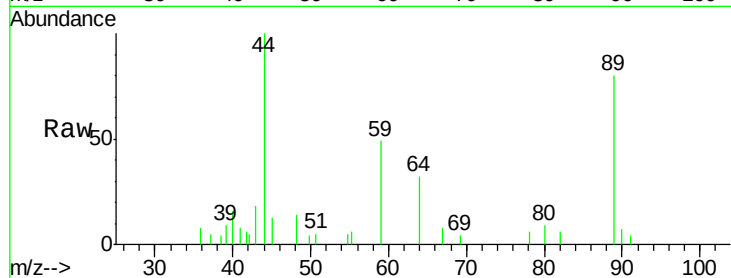
BS-OILY-STONE-RO-208

Tgt Ion: 59 Resp: 1521

Ion Ratio Lower Upper

59 100

57 2.9 8.2 12.4#



#13

Acrolein

Concen: Below Cal

RT: 2.32 min Scan# 284

Delta R.T. 0.02 min

Lab File: VX001546.D

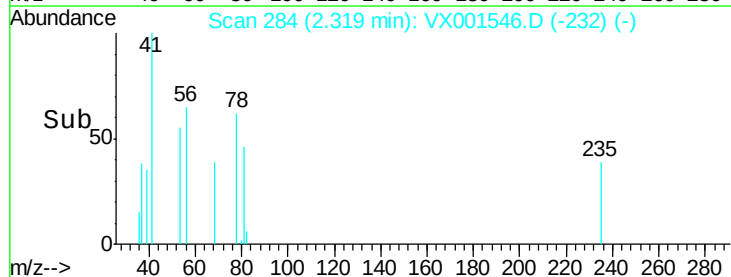
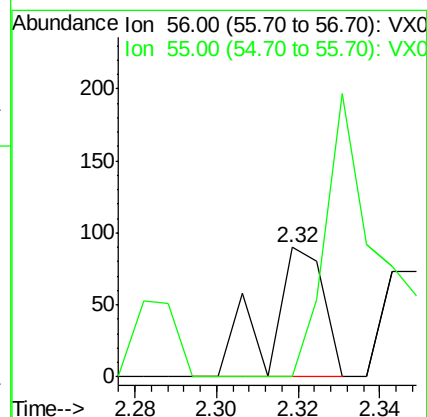
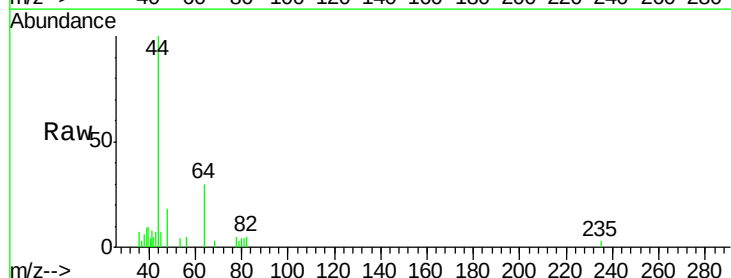
Acq: 09 May 2018 06:28

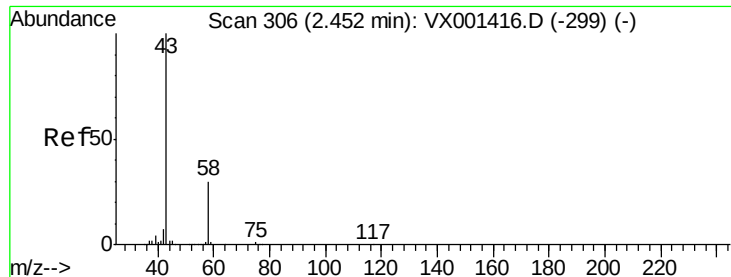
Tgt Ion: 56 Resp: 83

Ion Ratio Lower Upper

56 100

55 244.6 54.5 81.7#





#16

Acetone

Concen: 5.67 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001546.D

Acq: 09 May 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

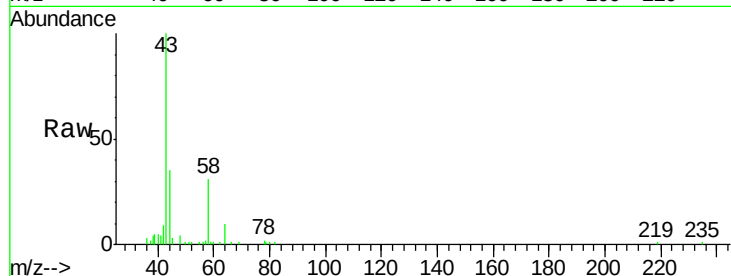
BS-OILY-STONE-RO-208

Tgt Ion: 43 Resp: 9239

Ion Ratio Lower Upper

43 100

58 31.0 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

5000

4000

3000

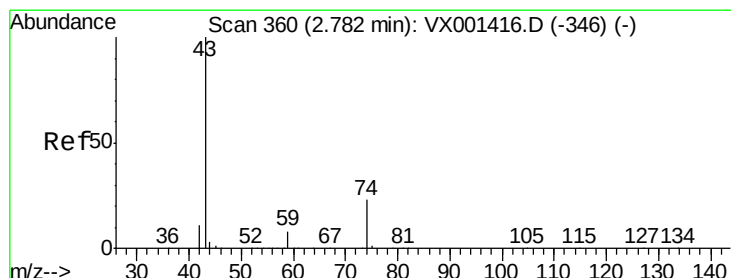
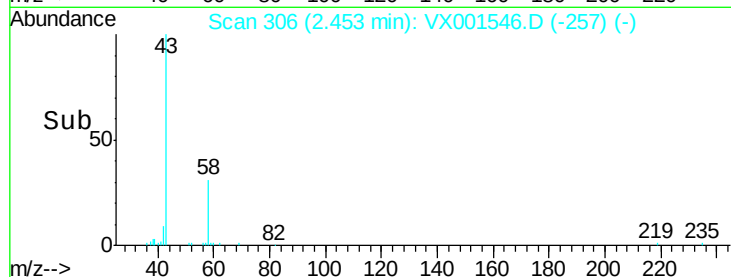
2000

1000

0

2.35 2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 1.66 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001546.D

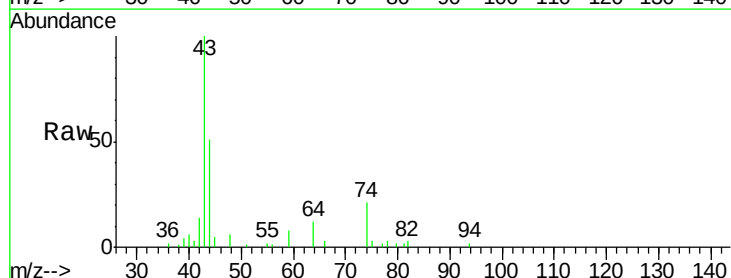
Acq: 09 May 2018 06:28

Tgt Ion: 43 Resp: 7100

Ion Ratio Lower Upper

43 100

74 23.0 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

4000

3000

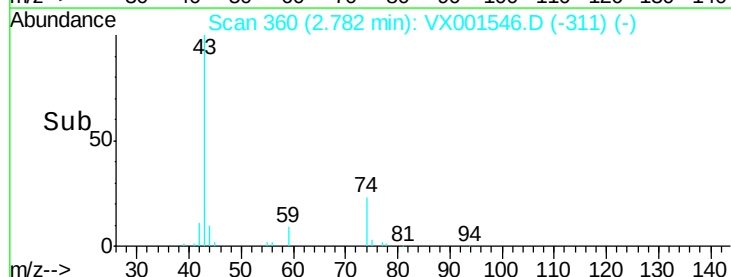
2000

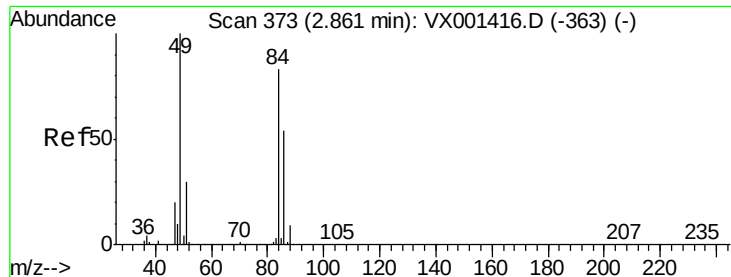
1000

0

2.70 2.75 2.80 2.85

Time-->

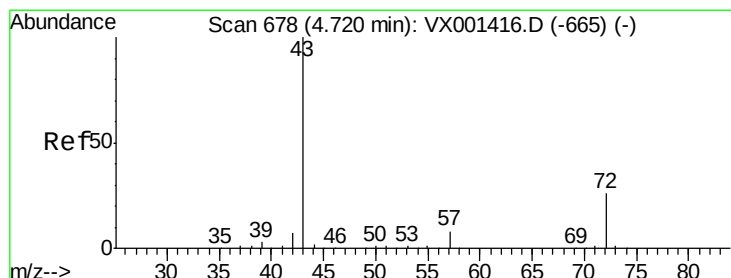
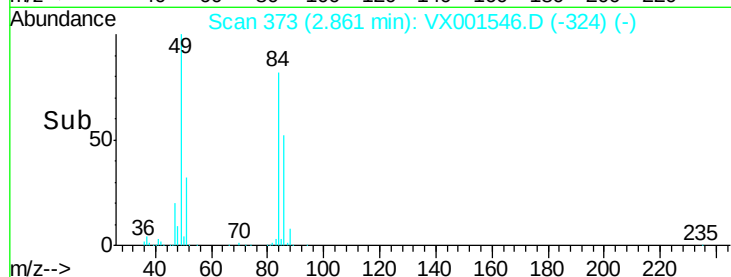
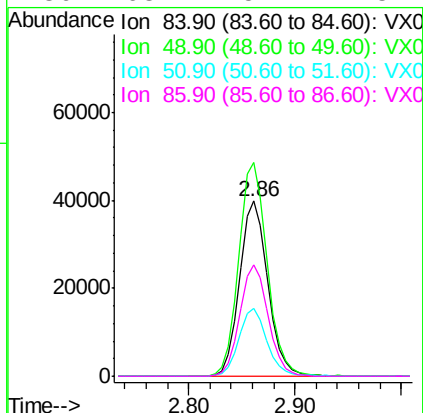
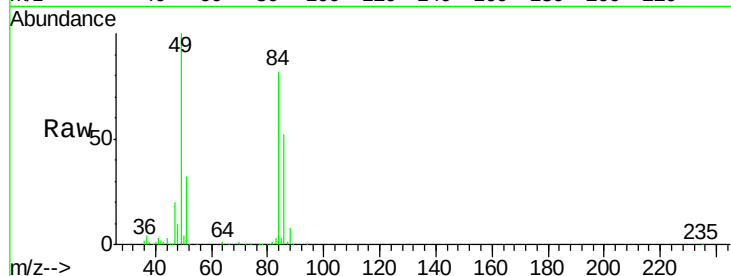




#20
Methylene Chloride
Concen: 23.00 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001546.D
Acq: 09 May 2018 06:28

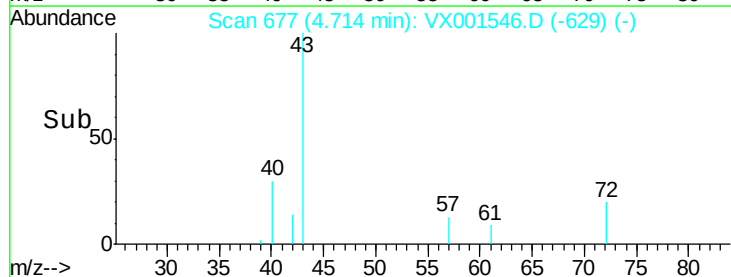
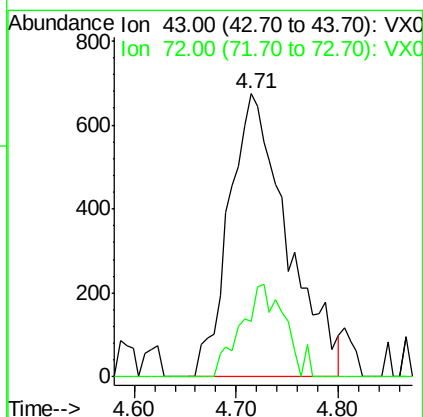
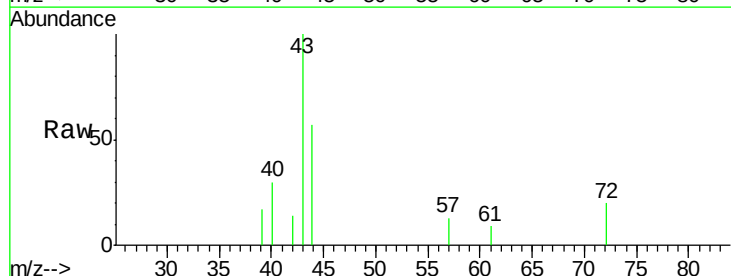
Instrument :
MSVOA_X
ClientSampleId :
BS-OILY-STONE-RO-208

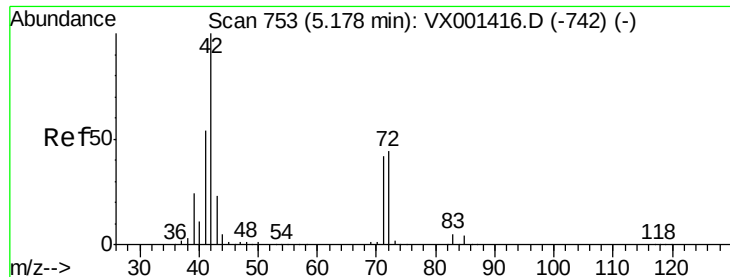
Tgt Ion:	84	Resp:	74267
Ion	Ratio	Lower	Upper
84	100		
49	122.0	96.6	144.8
51	39.0	29.0	43.4
86	63.7	52.2	78.4



#25
2-Butanone
Concen: 1.13 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.01 min
Lab File: VX001546.D
Acq: 09 May 2018 06:28

Tgt Ion:	43	Resp:	2675
Ion	Ratio	Lower	Upper
43	100		
72	19.7	20.7	31.1#





#29

Tetrahydrofuran

Concen: 0.37 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001546.D

Acq: 09 May 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

BS-OILY-STONE-RO-208

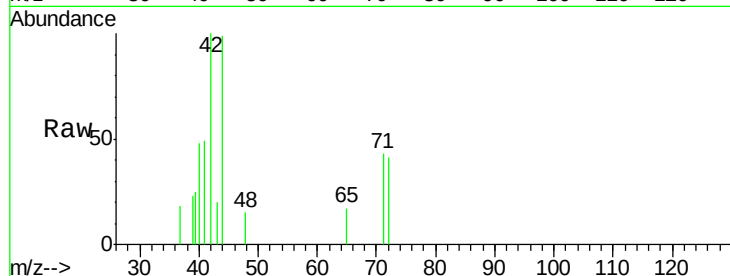
Tgt Ion: 42 Resp: 565

Ion Ratio Lower Upper

42 100

72 28.5 35.4 53.2#

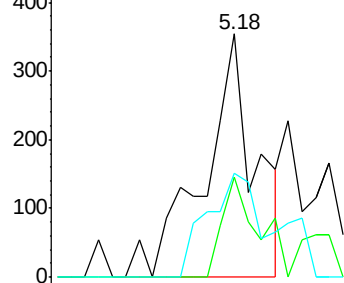
71 44.2 33.0 49.4



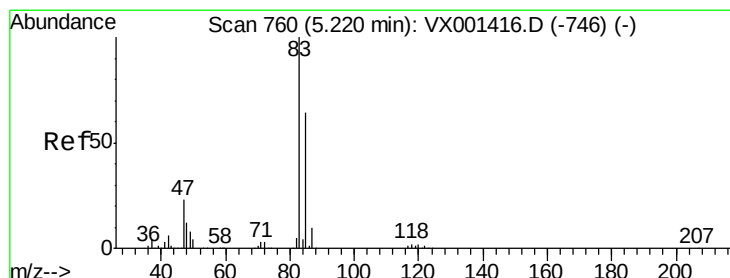
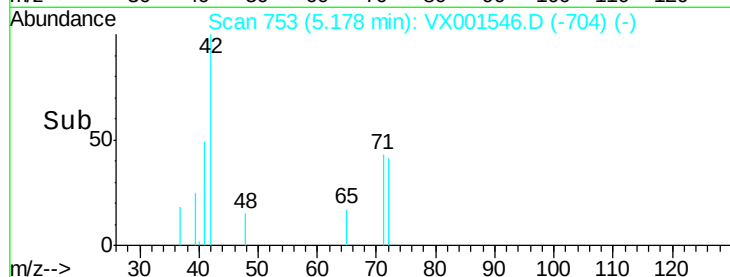
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time--> 5.10 5.15 5.20



#30

Chloroform

Concen: 0.30 ug/l

RT: 5.23 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX001546.D

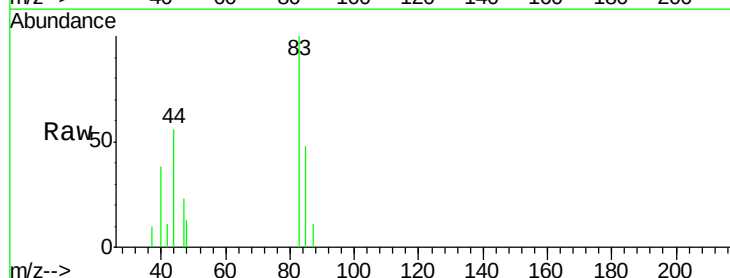
Acq: 09 May 2018 06:28

Tgt Ion: 83 Resp: 1677

Ion Ratio Lower Upper

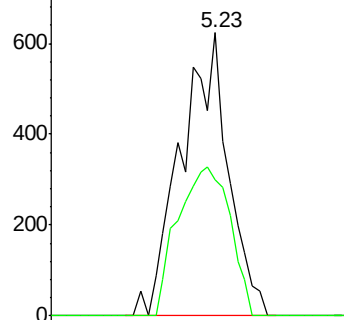
83 100

85 48.2 51.0 76.4#

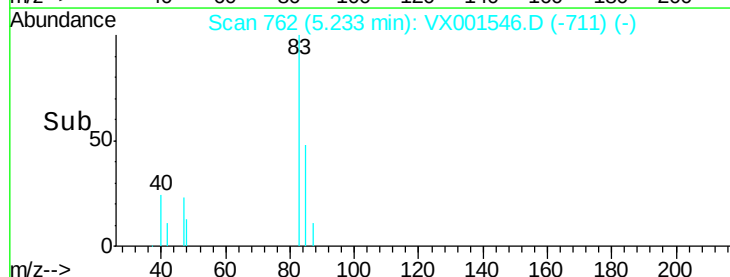


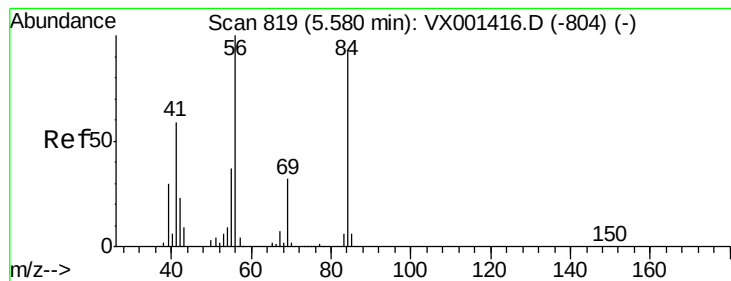
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



Time--> 5.10 5.15 5.20 5.25 5.30





#31

Cyclohexane

Concen: 0.92 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001546.D

Acq: 09 May 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

BS-OILY-STONE-RO-208

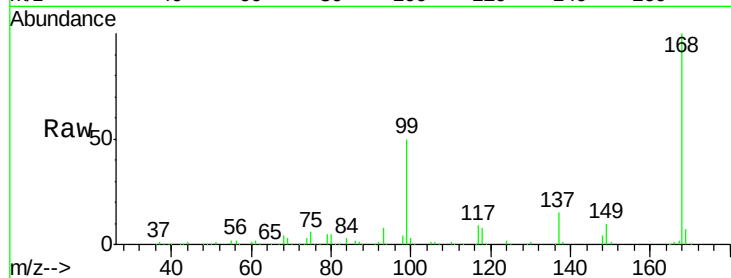
Tgt Ion: 56 Resp: 4271

Ion Ratio Lower Upper

56 100

69 152.0 25.4 38.0#

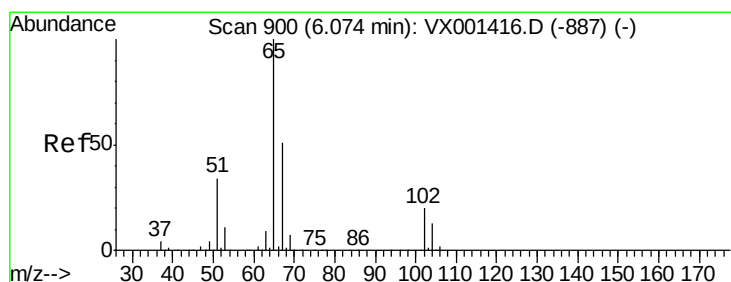
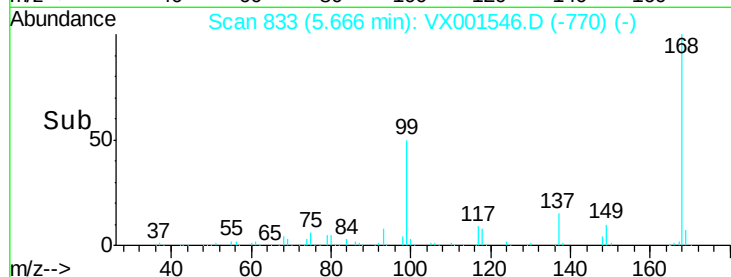
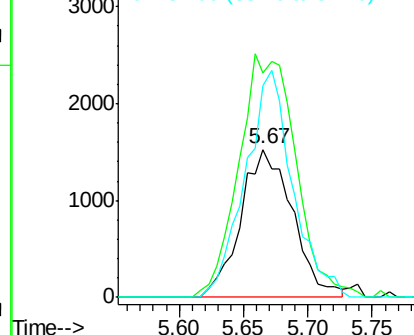
84 143.3 73.8 110.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.39 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001546.D

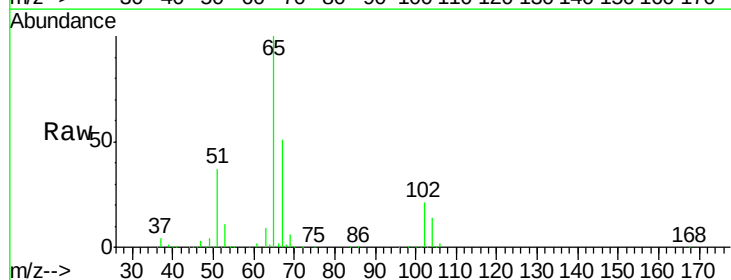
Acq: 09 May 2018 06:28

Tgt Ion: 65 Resp: 170174

Ion Ratio Lower Upper

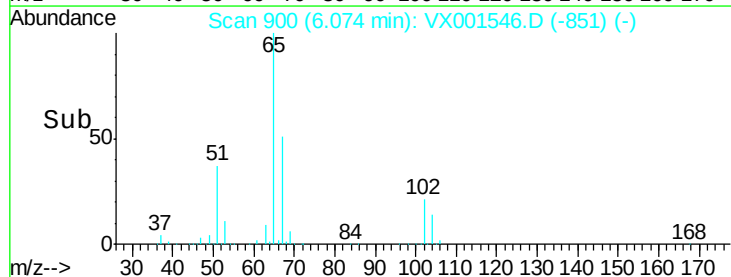
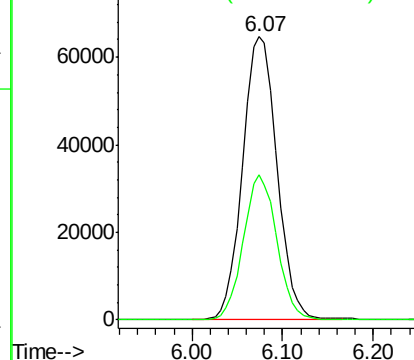
65 100

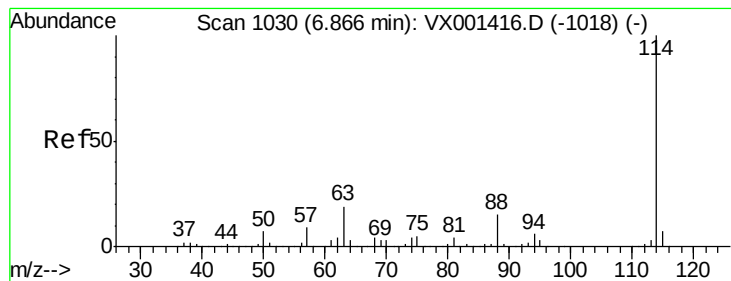
67 50.1 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001546.D

Acq: 09 May 2018 06:28

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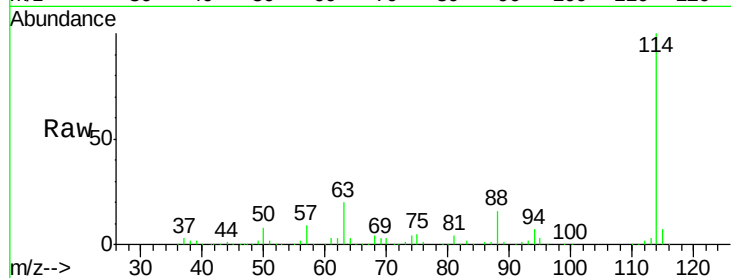
Tgt Ion:114 Resp: 342322

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.6

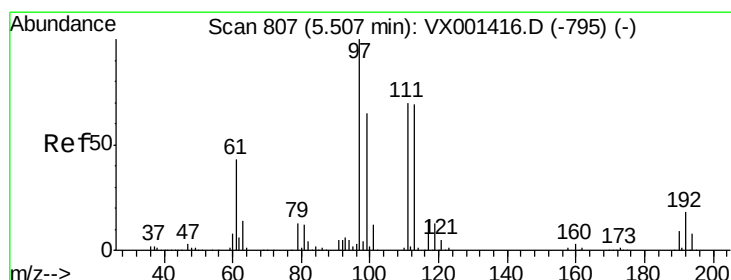
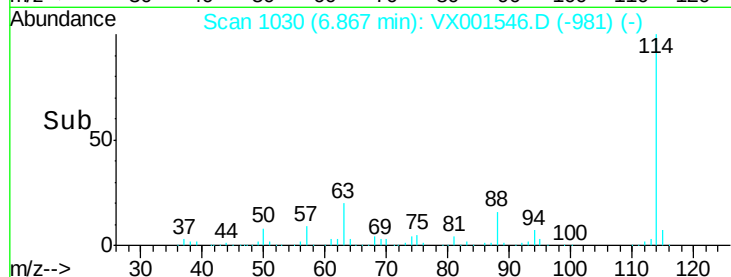
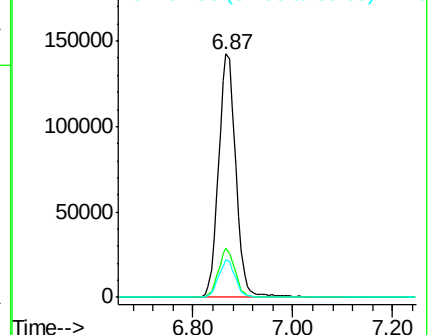
88 15.5 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 43.12 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001546.D

Acq: 09 May 2018 06:28

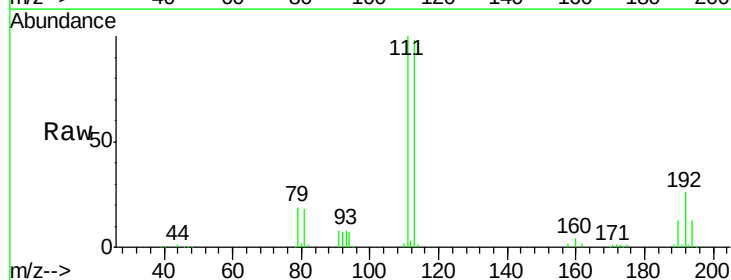
Tgt Ion:113 Resp: 131289

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

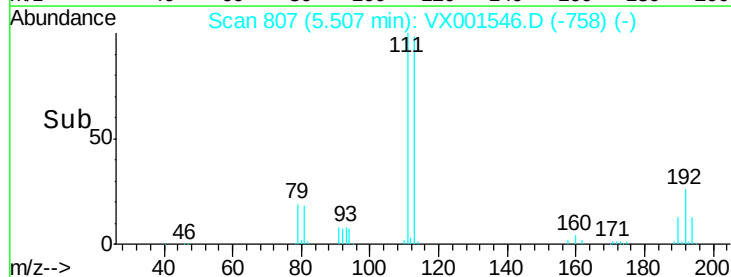
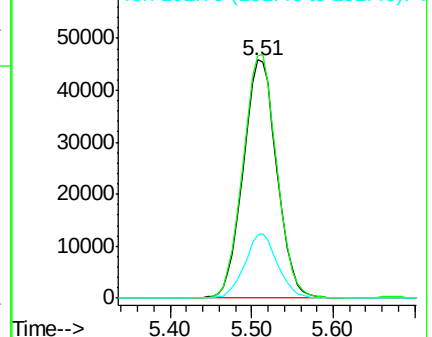
192 26.2 21.4 32.0

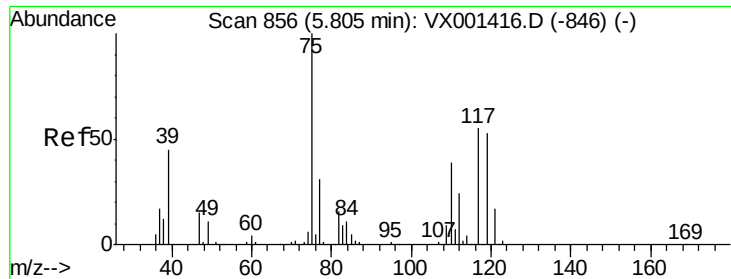


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

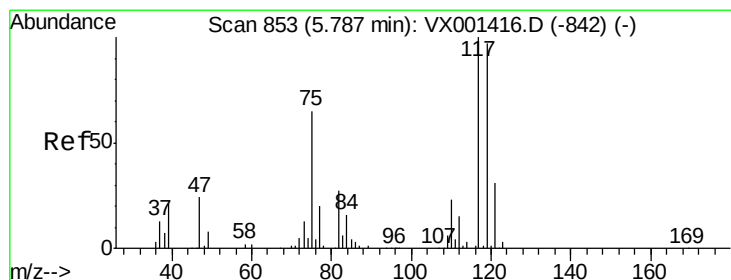
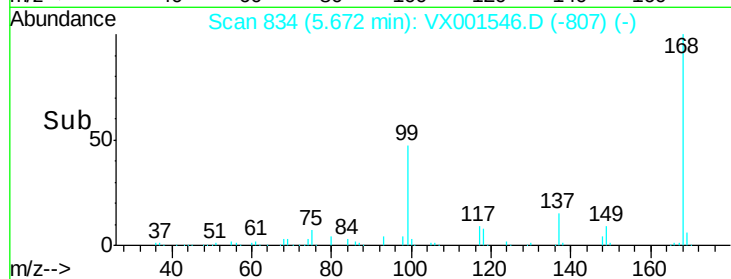
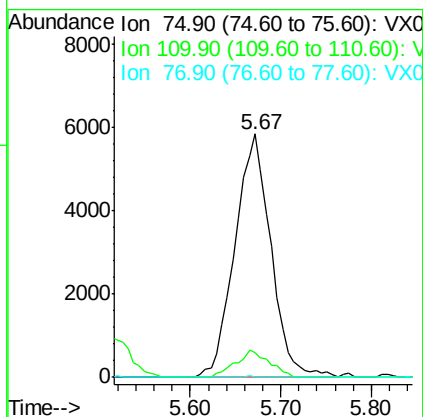
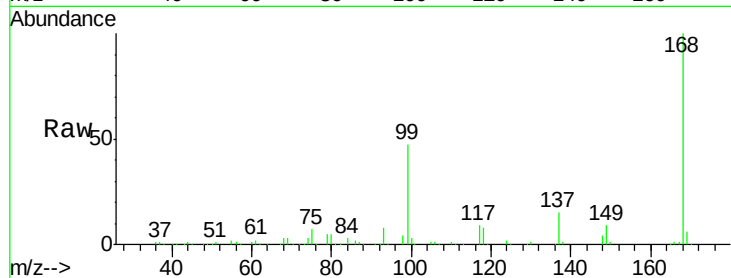




#36
 1,1-Dichloropropene
 Concen: 3.70 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001546.D
 Acq: 09 May 2018 06:28

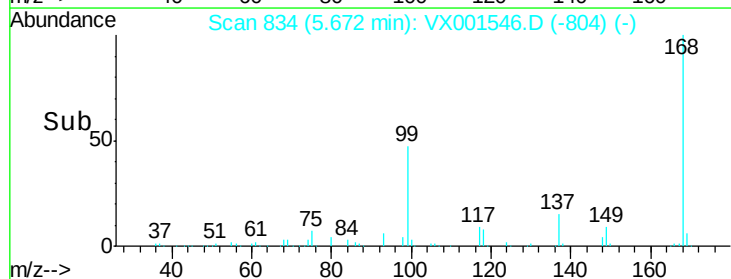
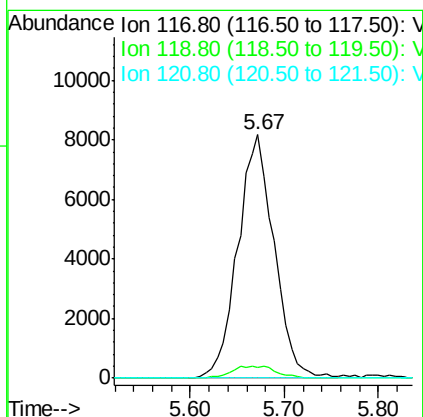
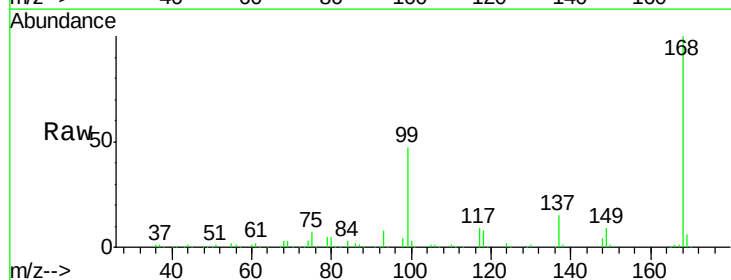
Instrument :
 MSVOA_X
 ClientSampleId :
 BS-OILY-STONE-RO-208

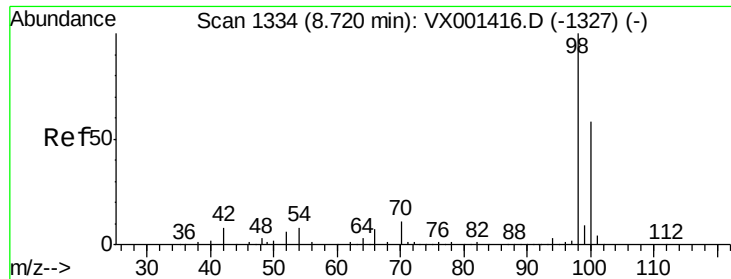
Tgt Ion: 75 Resp: 16115
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.9 56.7#
 77 0.1 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.74 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001546.D
 Acq: 09 May 2018 06:28

Tgt Ion: 117 Resp: 22015
 Ion Ratio Lower Upper
 117 100
 119 4.1 77.0 115.6#
 121 0.0 25.1 37.7#

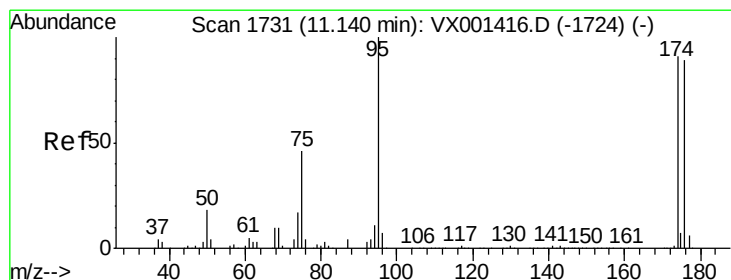
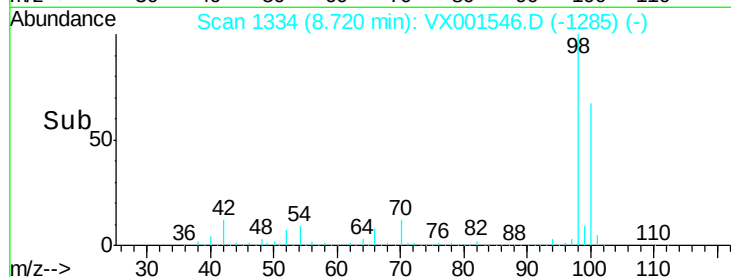
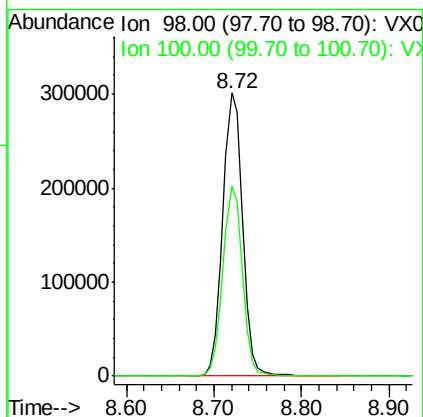
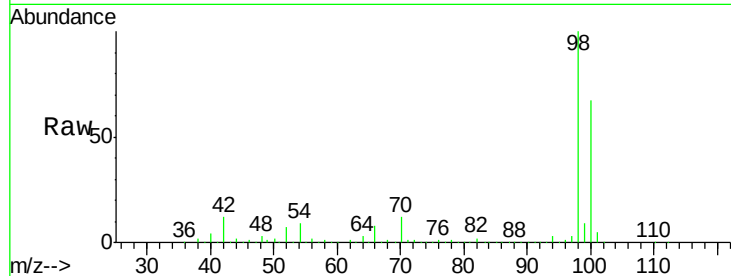




#50
Toluene-d8
Concen: 42.66 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001546.D
Acq: 09 May 2018 06:28

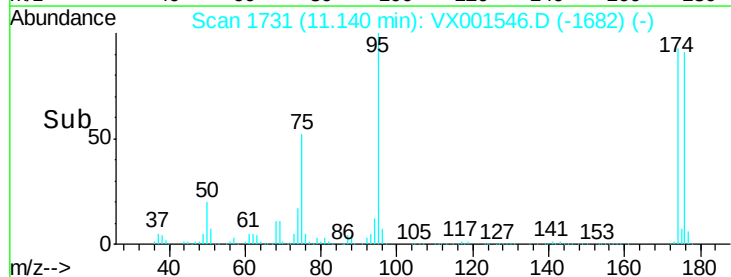
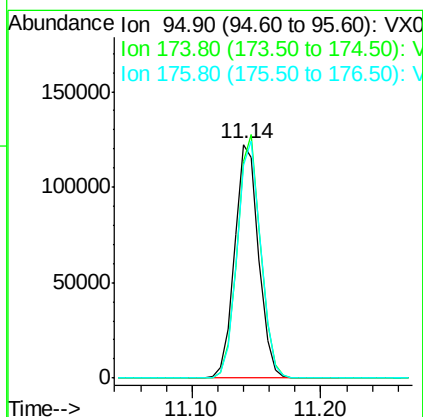
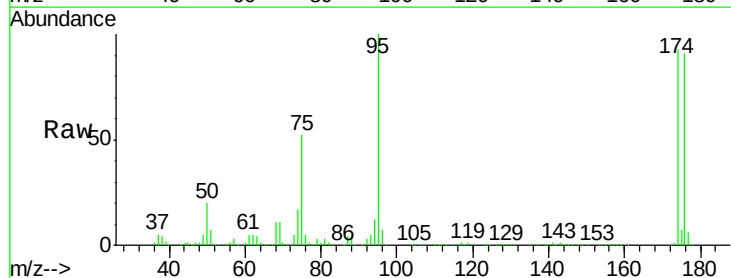
Instrument :
MSVOA_X
ClientSampleId :
BS-OILY-STONE-RO-208

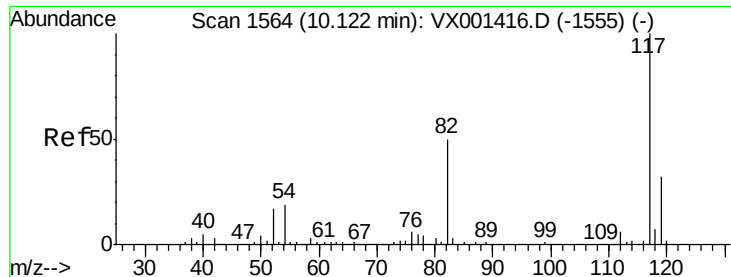
Tgt Ion: 98 Resp: 474119
Ion Ratio Lower Upper
98 100
100 66.3 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 37.07 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001546.D
Acq: 09 May 2018 06:28

Tgt Ion: 95 Resp: 158169
Ion Ratio Lower Upper
95 100
174 101.4 0.0 202.0
176 99.6 0.0 197.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX001546.D

Acq: 09 May 2018 06:28

Instrument :

MSVOA_X

ClientSampleId :

BS-OILY-STONE-RO-208

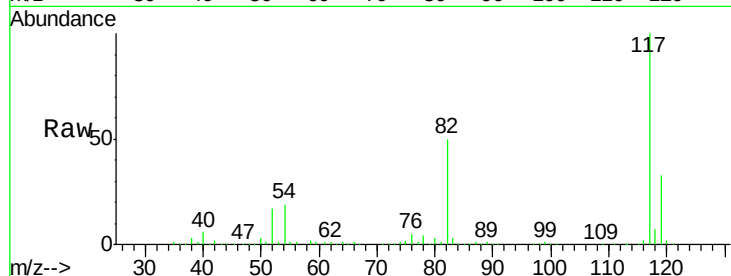
Tgt Ion:117 Resp: 308219

Ion Ratio Lower Upper

117 100

82 50.4 40.0 60.0

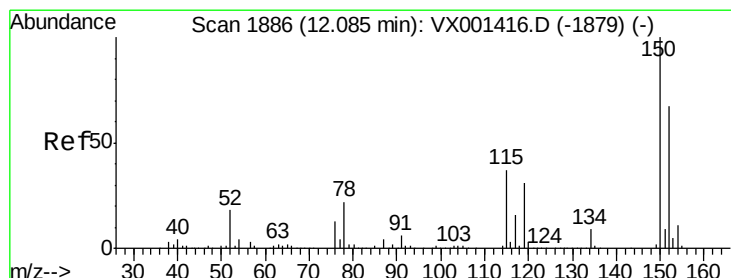
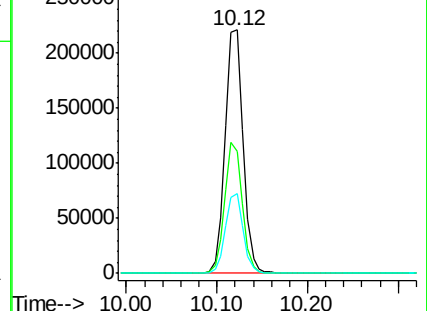
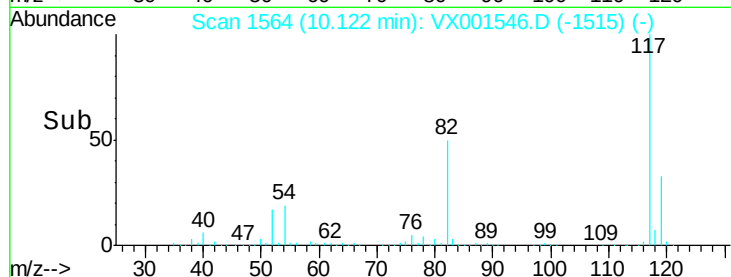
119 32.7 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001546.D

Acq: 09 May 2018 06:28

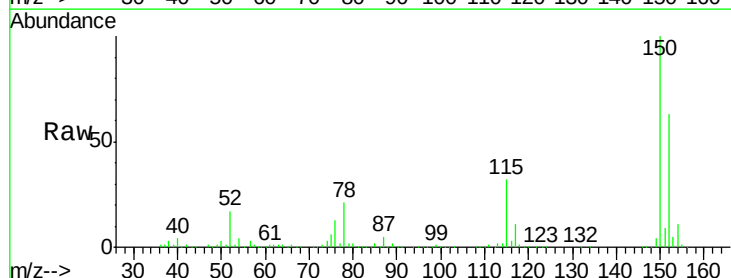
Tgt Ion:152 Resp: 176709

Ion Ratio Lower Upper

152 100

115 52.2 37.7 113.1

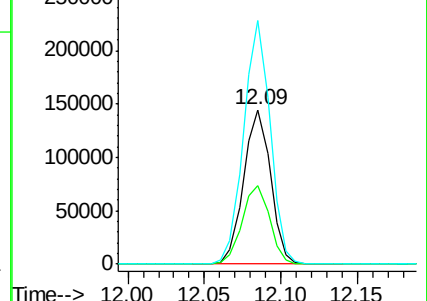
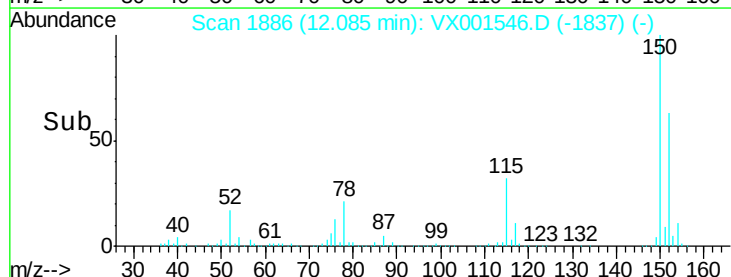
150 155.1 0.0 349.4

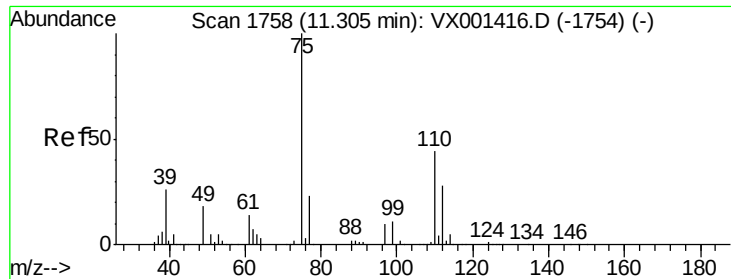


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

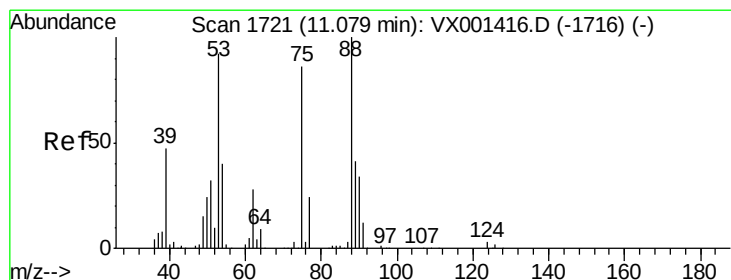
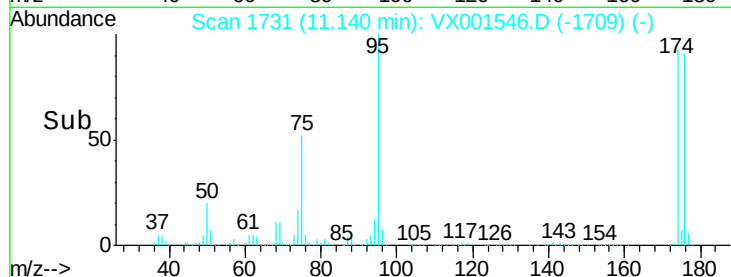
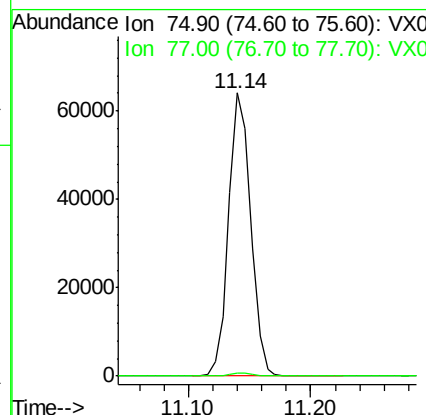
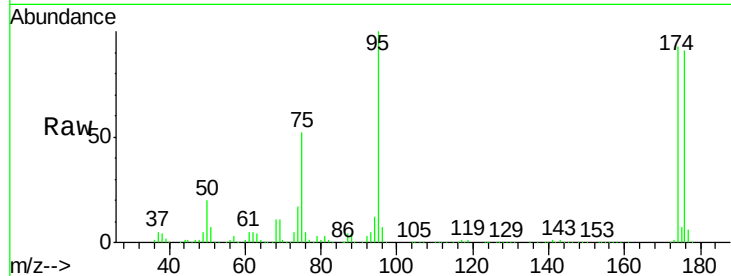




#76
 1,2,3-Trichloropropane
 Concen: 22.36 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001546.D
 Acq: 09 May 2018 06:28

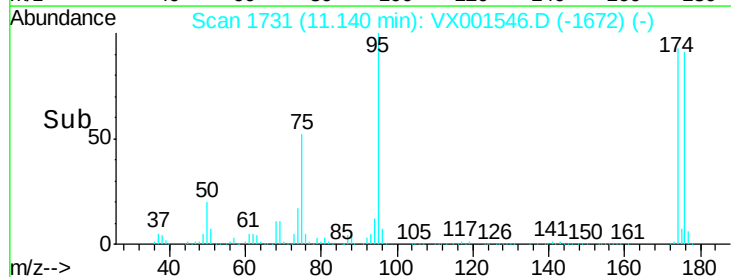
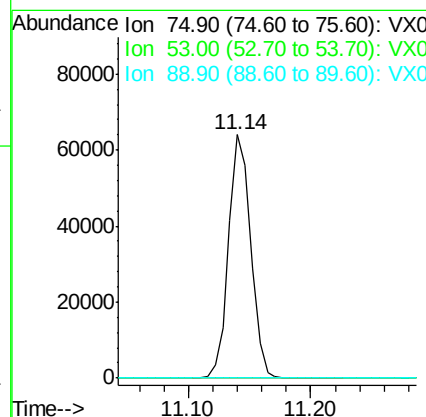
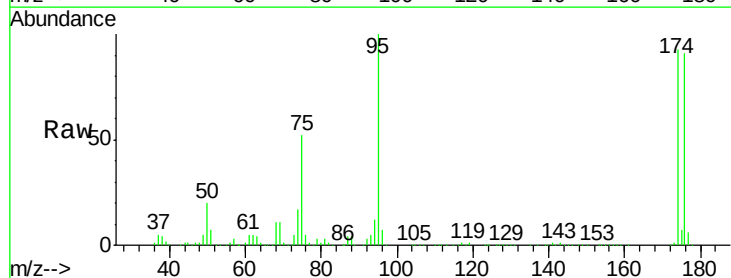
Instrument :
 MSVOA_X
 ClientSampleId :
 BS-OILY-STONE-RO-208

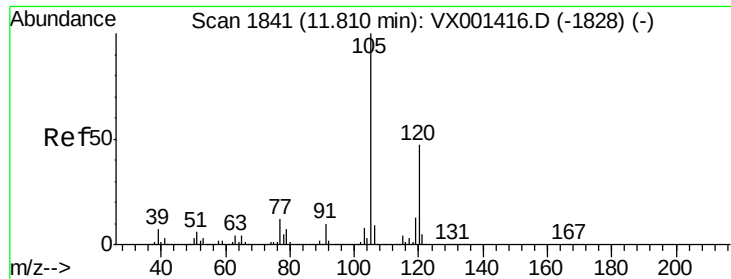
Tgt Ion: 75 Resp: 80148
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.48 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001546.D
 Acq: 09 May 2018 06:28

Tgt Ion: 75 Resp: 80148
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.1 39.5 59.3#

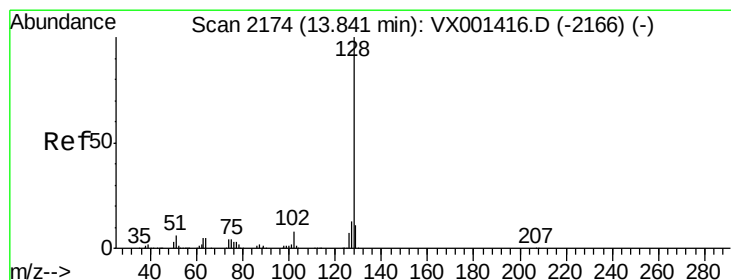
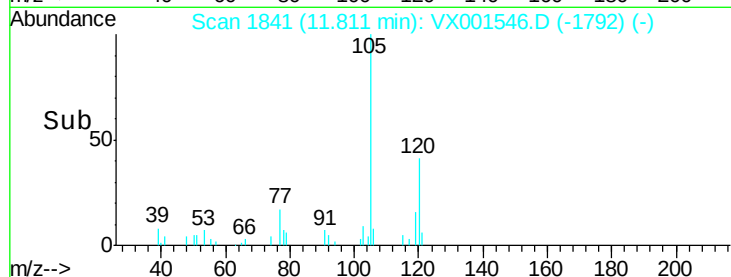
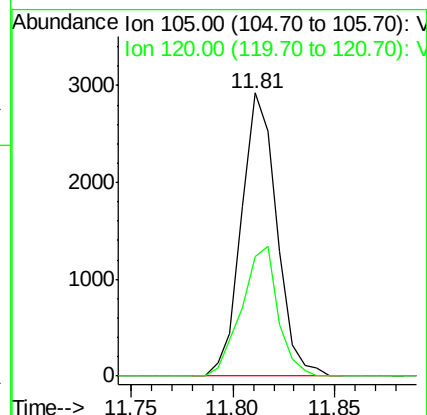
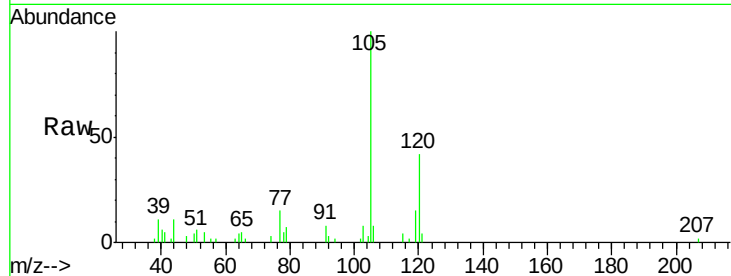




#84
1,2,4-Trimethylbenzene
Concen: 0.33 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001546.D
Acq: 09 May 2018 06:28

Instrument :
MSVOA_X
ClientSampleId :
BS-OILY-STONE-RO-208

Tgt Ion:105 Resp: 3501
Ion Ratio Lower Upper
105 100
120 47.0 23.4 70.2



#95
Naphthalene
Concen: 1.49 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001546.D
Acq: 09 May 2018 06:28

Tgt Ion:128 Resp: 19486
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.0 8.7 13.1

