

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX031518\
 Data File : VX000338.D
 Acq On : 15 Mar 2018 19:18
 Operator : JC/MD
 Sample : J1913-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-STONES-124029

Quant Time: Mar 16 02:42:26 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 03:39:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	163649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	272997	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	255466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	118497	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	111530	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
35) Dibromofluoromethane	5.52	113	85718	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	8.73	98	345698	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
62) 4-Bromofluorobenzene	11.15	95	110457	38.33	ug/l	0.00
Spiked Amount			Recovery	=	76.66%	

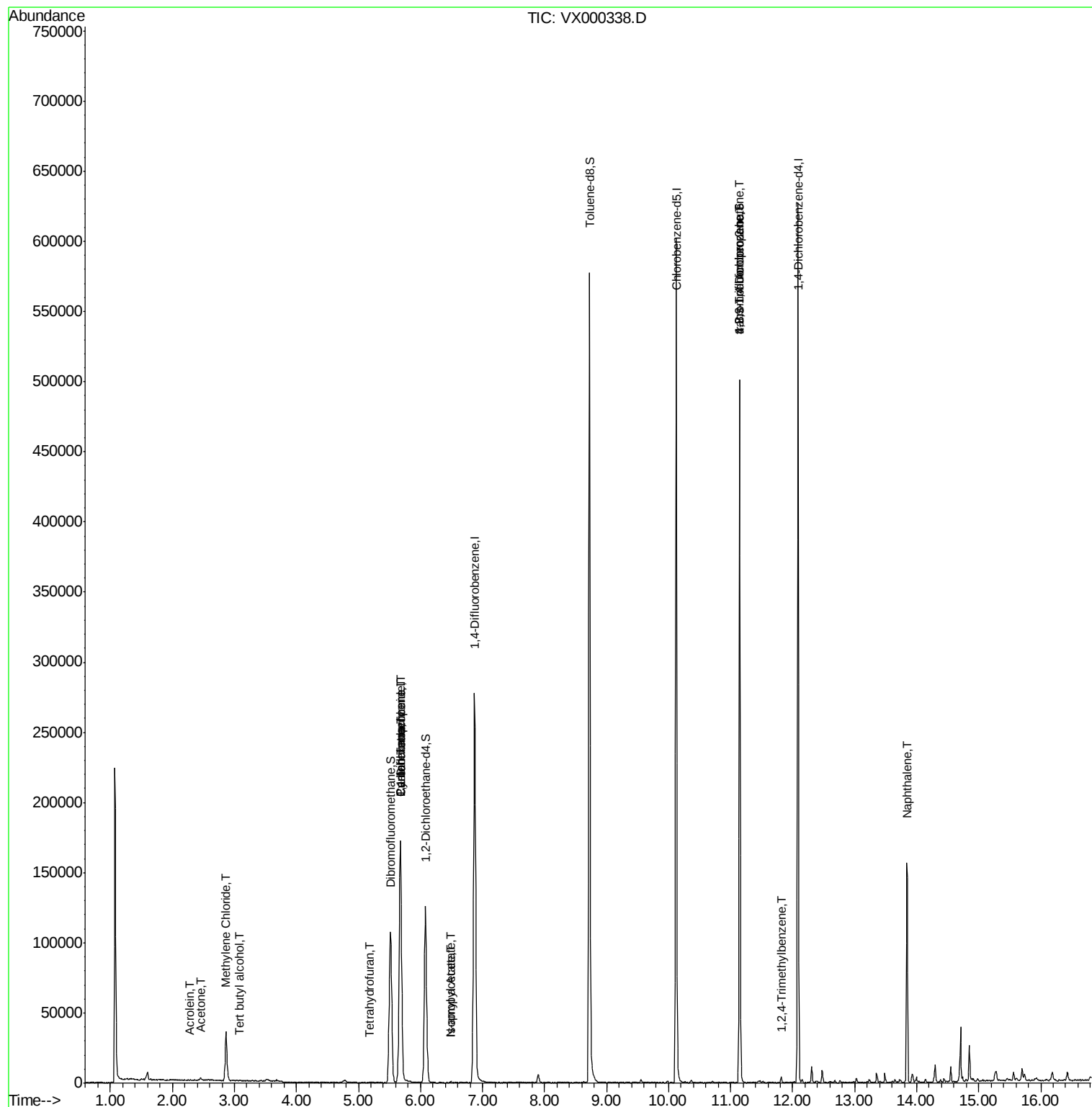
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	174	0.24	ug/l #	72
13) Acrolein	2.28	56	161	0.51	ug/l #	53
16) Acetone	2.45	43	2343	1.55	ug/l #	80
20) Methylene Chloride	2.87	84	15309	7.82	ug/l	98
29) Tetrahydrofuran	5.18	42	309	0.27	ug/l #	31
31) Cyclohexane	5.68	56	4118	1.61	ug/l #	40
36) 1,1-Dichloropropene	5.68	75	12655	5.10	ug/l #	46
38) Carbon Tetrachloride	5.68	117	15870	6.35	ug/l #	14
43) Isopropyl Acetate	6.49	43	1302	0.27	ug/l #	76
74) N-amyl acetate	6.49	43	1302	0.38	ug/l #	70
76) 1,2,3-Trichloropropane	11.15	75	65277	29.65	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	65277	81.49	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	1779	0.28	ug/l	93
95) Naphthalene	13.84	128	95895	10.77	ug/l	100

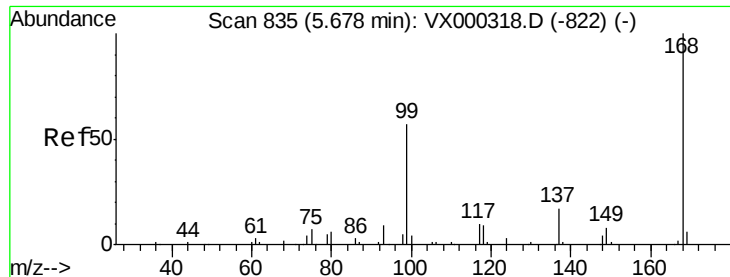
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 15 03:39:21 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000338.D

Acq: 15 Mar 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

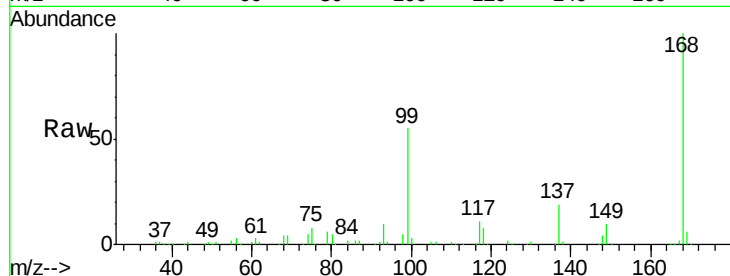
OILY-STONES-124029

Tgt Ion:168 Resp: 163649

Ion Ratio Lower Upper

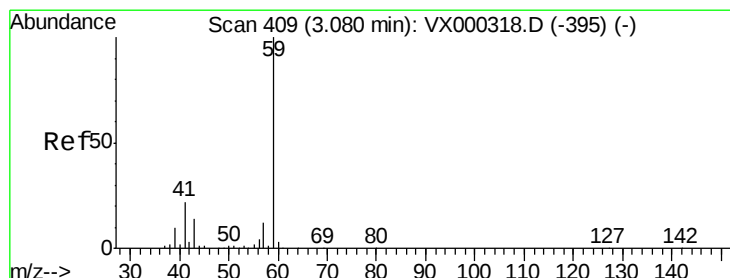
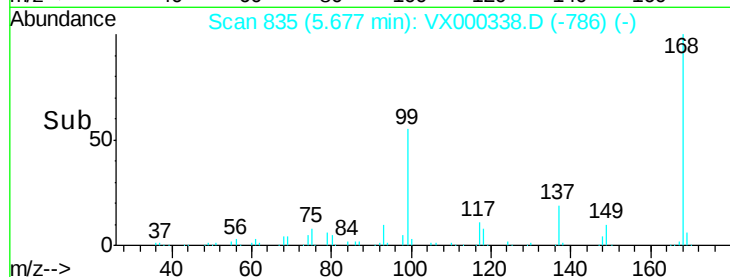
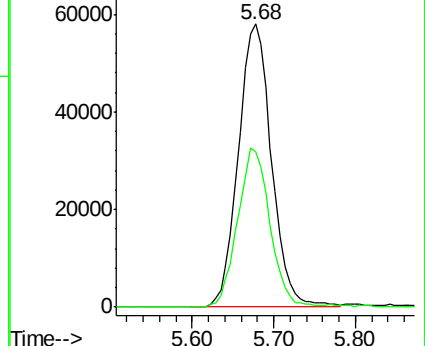
168 100

99 55.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.24 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX000338.D

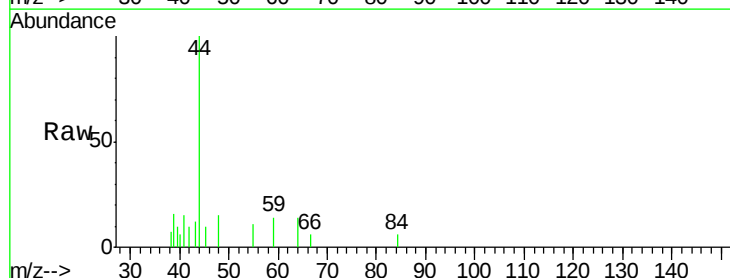
Acq: 15 Mar 2018 19:18

Tgt Ion: 59 Resp: 174

Ion Ratio Lower Upper

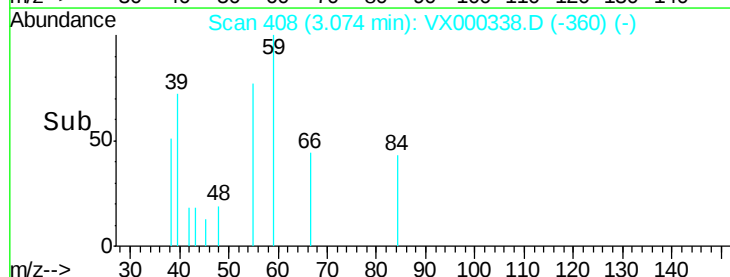
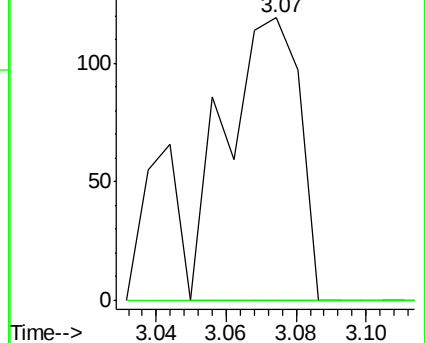
59 100

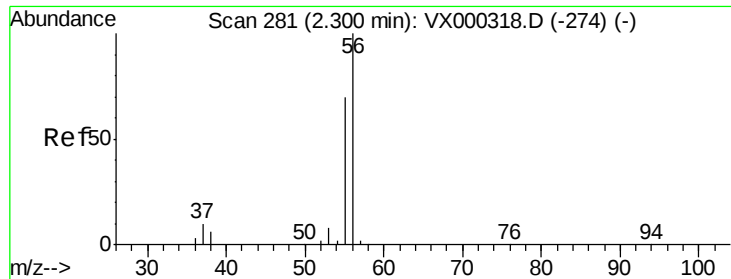
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.51 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.02 min

Lab File: VX000338.D

Acq: 15 Mar 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

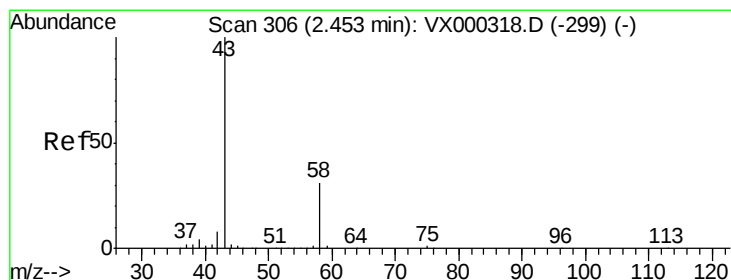
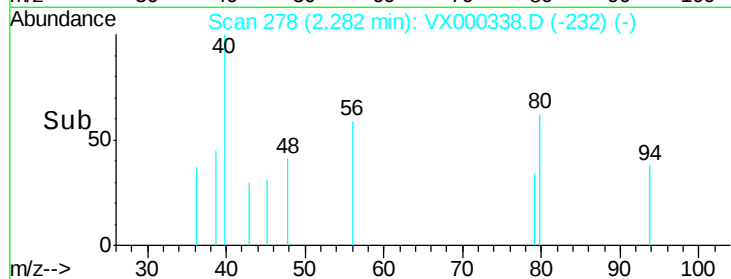
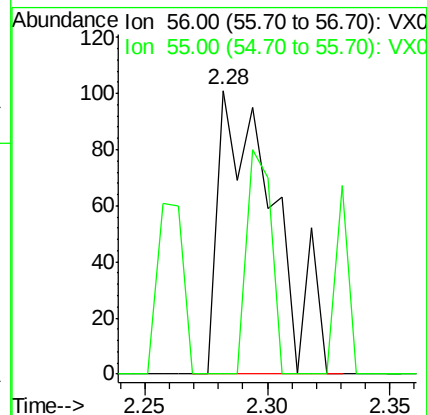
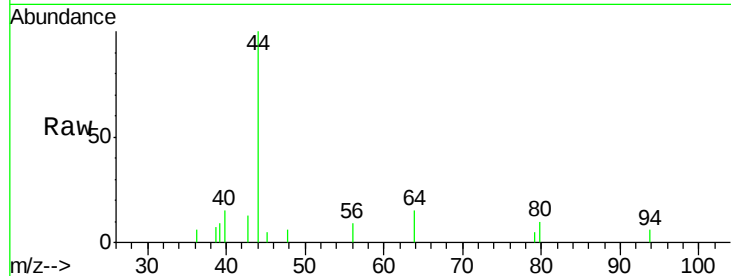
OILY-STONES-124029

Tgt Ion: 56 Resp: 161

Ion Ratio Lower Upper

56 100

55 34.2 58.8 88.2#



#16

Acetone

Concen: 1.55 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000338.D

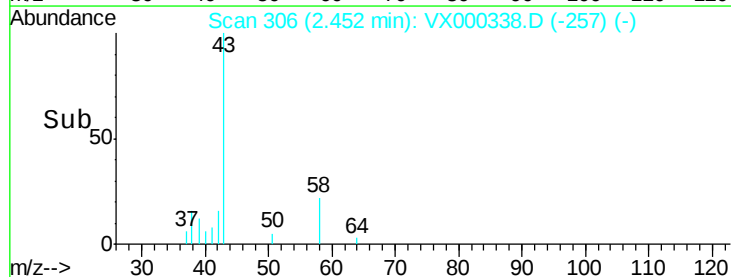
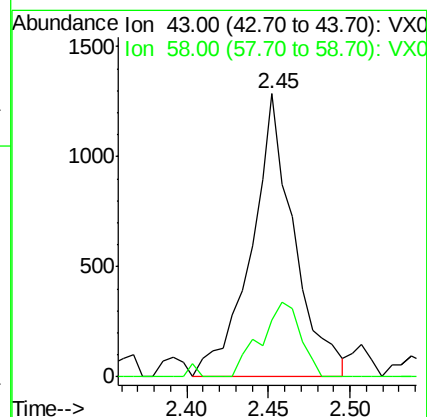
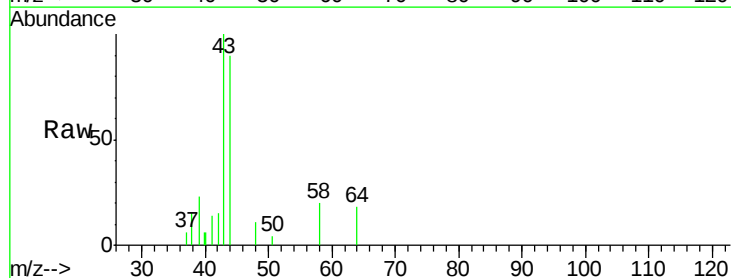
Acq: 15 Mar 2018 19:18

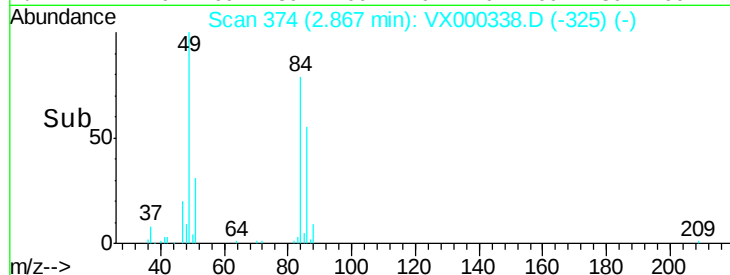
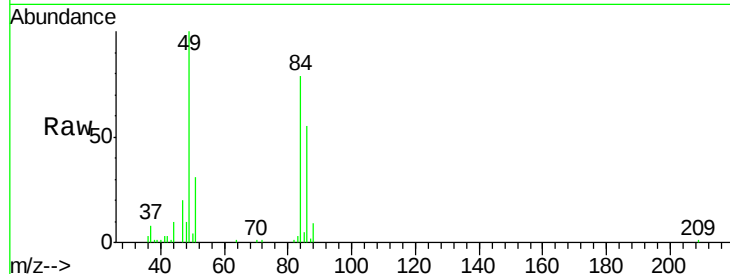
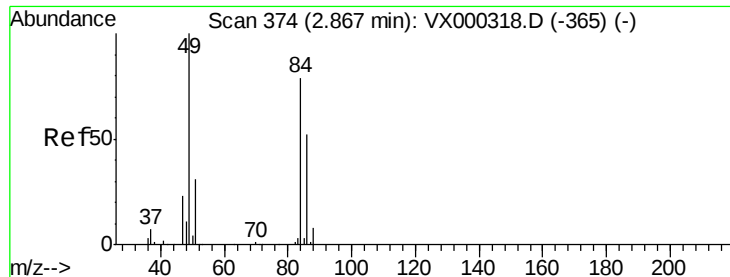
Tgt Ion: 43 Resp: 2343

Ion Ratio Lower Upper

43 100

58 20.0 24.7 37.1#

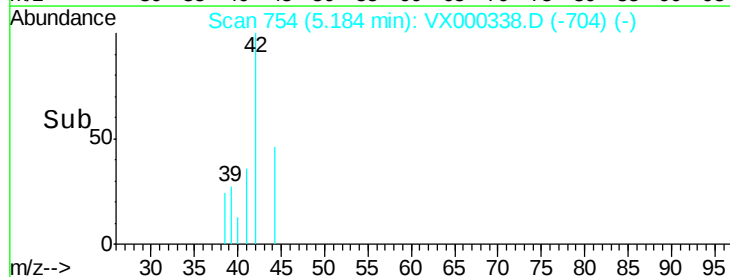
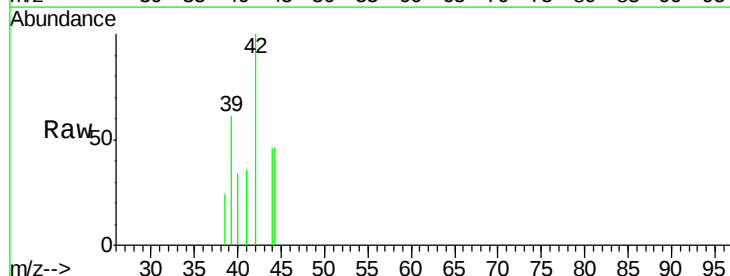
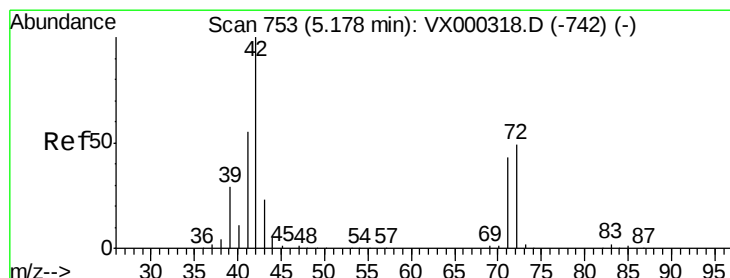
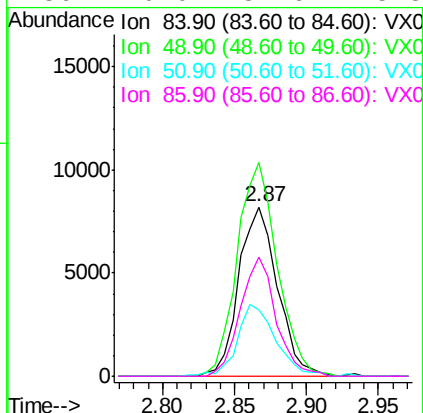




#20
Methylene Chloride
Concen: 7.82 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000338.D
Acq: 15 Mar 2018 19:18

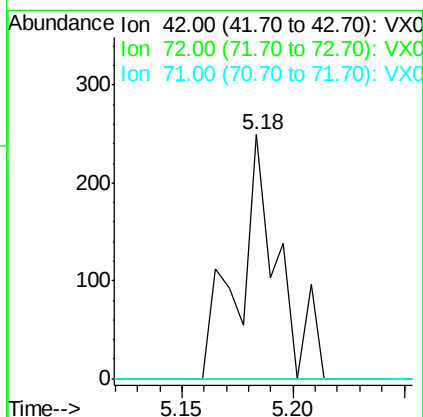
Instrument :
MSVOA_X
ClientSampleId :
OILY-STONES-124029

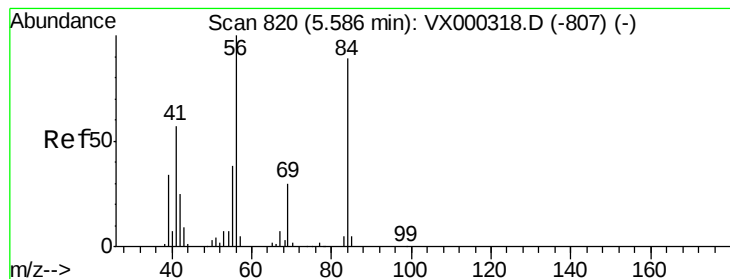
Tgt Ion:	84	Resp:	15309
Ion	Ratio	Lower	Upper
84	100		
49	126.1	100.6	151.0
51	39.3	31.6	47.4
86	70.0	52.6	78.8



#29
Tetrahydrofuran
Concen: 0.27 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000338.D
Acq: 15 Mar 2018 19:18

Tgt Ion:	42	Resp:	309
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.9	56.9#
71	0.0	34.4	51.6#





#31

Cyclohexane

Concen: 1.61 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000338.D

Acq: 15 Mar 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

OILY-STONES-124029

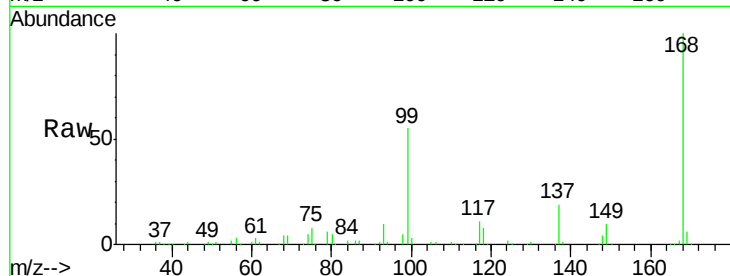
Tgt Ion: 56 Resp: 4118

Ion Ratio Lower Upper

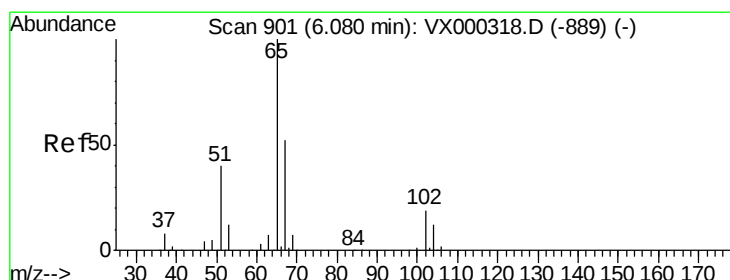
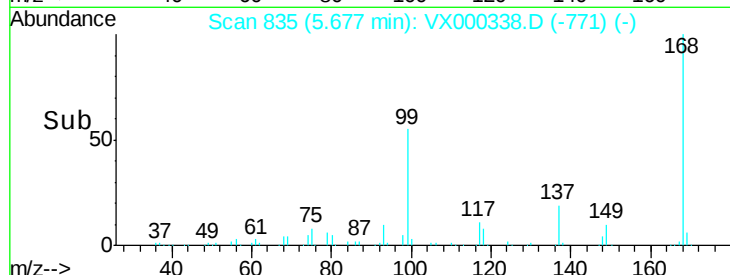
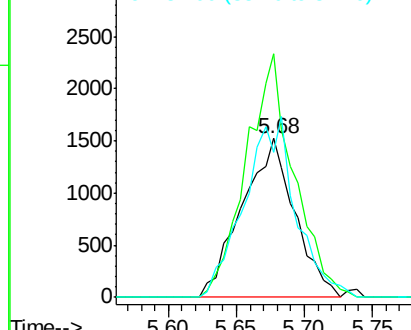
56 100

69 153.3 23.4 35.0#

84 91.5 71.0 106.4



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: 49.27 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000338.D

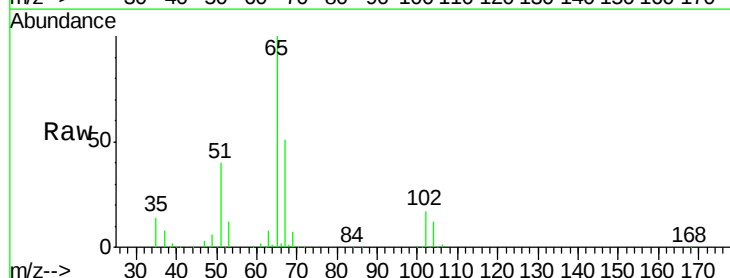
Acq: 15 Mar 2018 19:18

Tgt Ion: 65 Resp: 111530

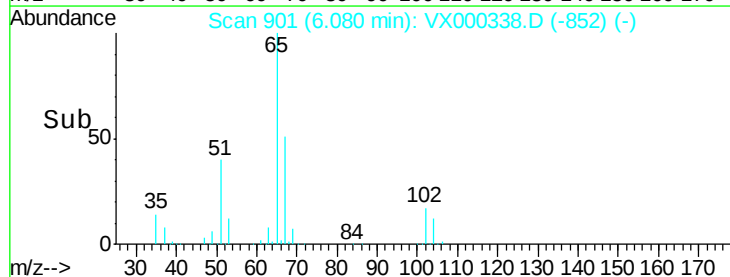
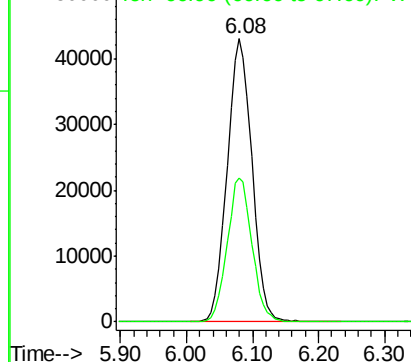
Ion Ratio Lower Upper

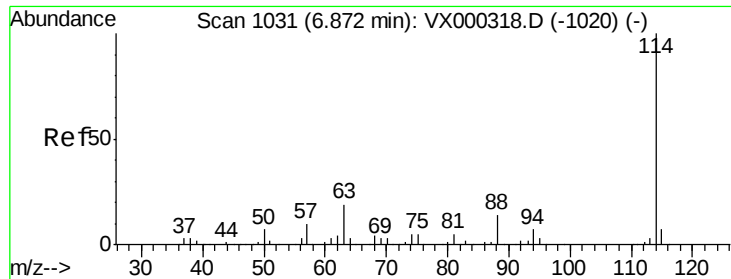
65 100

67 50.4 0.0 103.2



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# 1031

Delta R.T. -0.00 min

Lab File: VX000338.D

Acq: 15 Mar 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

OILY-STONES-124029

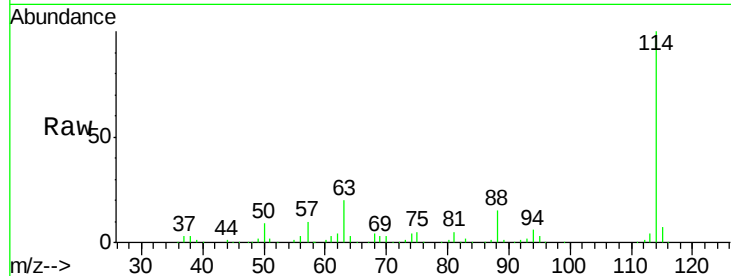
Tgt Ion:114 Resp: 272997

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.4

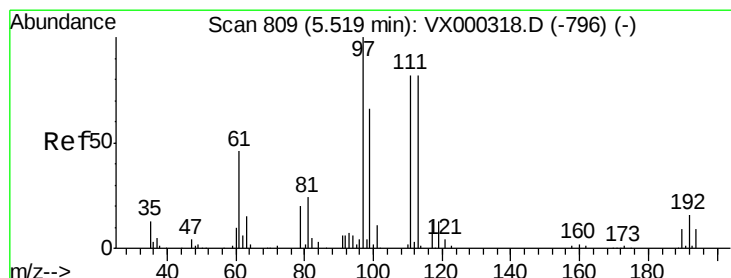
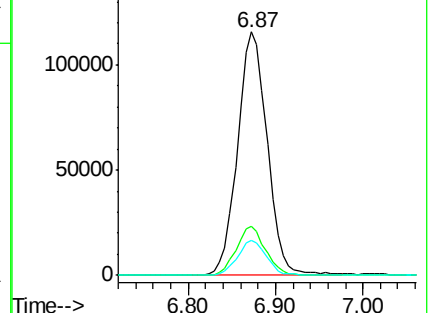
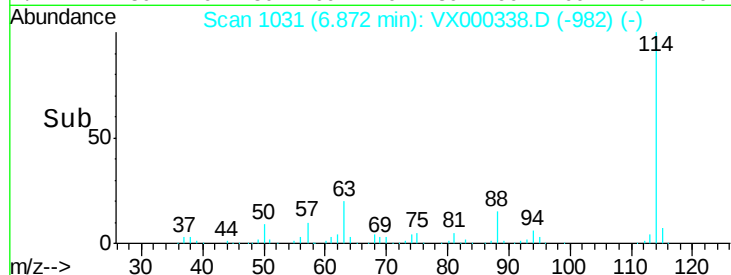
88 14.6 0.0 27.0



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: 49.77 ug/l

RT: 5.52 min Scan# 809

Delta R.T. -0.00 min

Lab File: VX000338.D

Acq: 15 Mar 2018 19:18

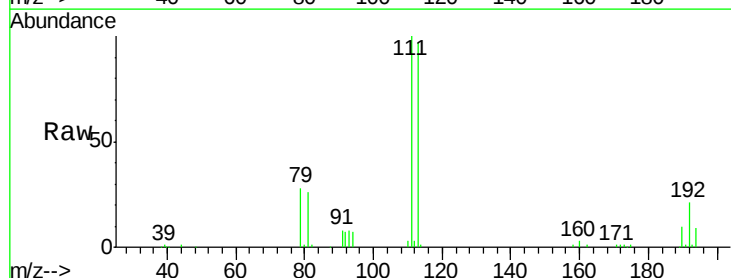
Tgt Ion:113 Resp: 85718

Ion Ratio Lower Upper

113 100

111 100.6 82.4 123.6

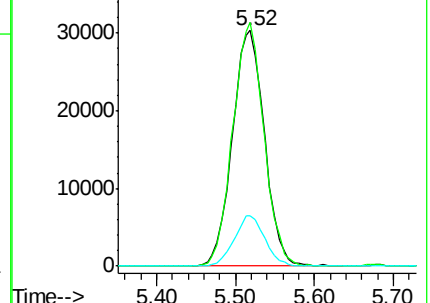
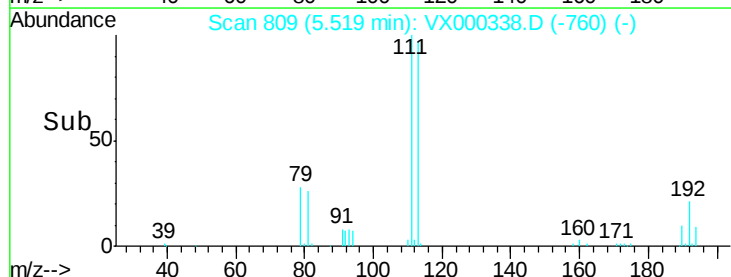
192 20.3 15.8 23.6

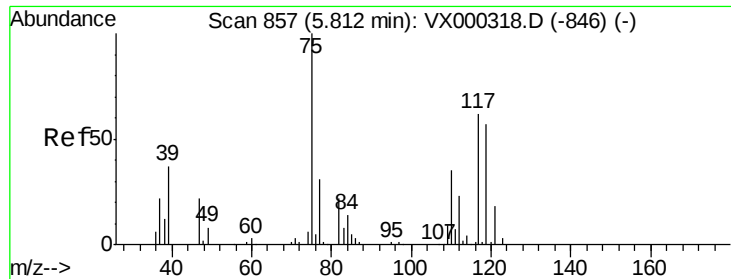


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

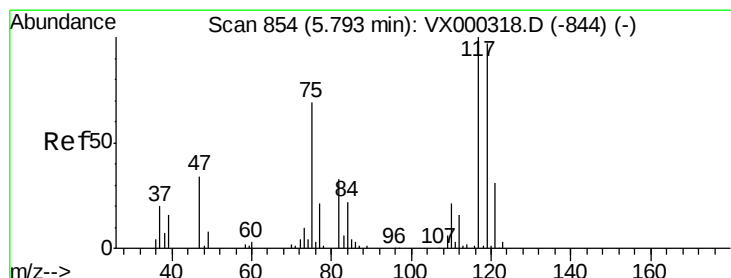
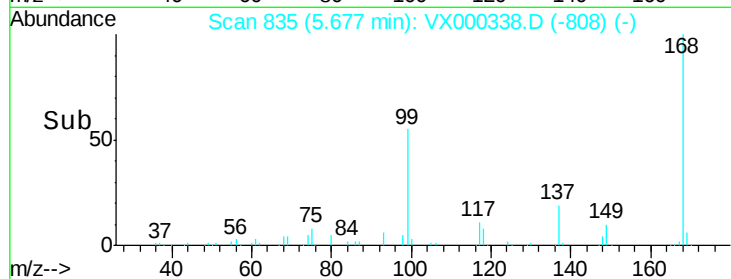
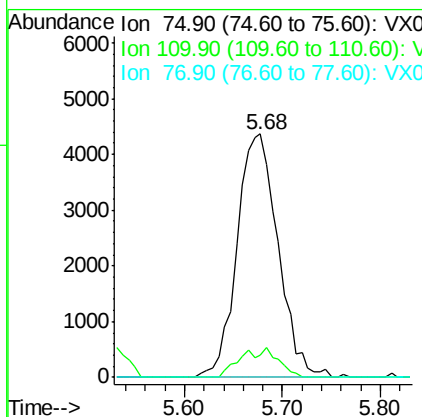
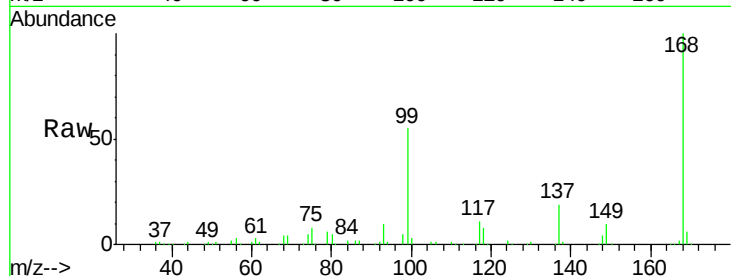




#36
 1,1-Dichloropropene
 Concen: 5.10 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000338.D
 Acq: 15 Mar 2018 19:18

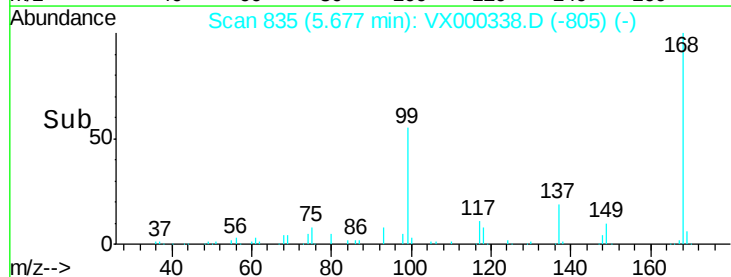
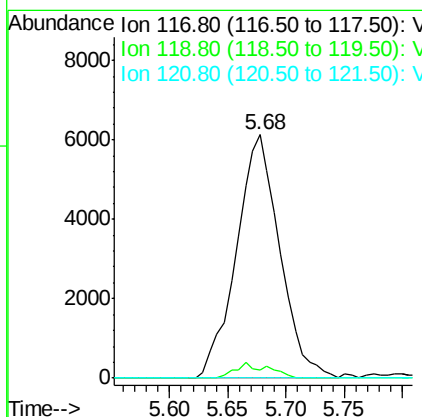
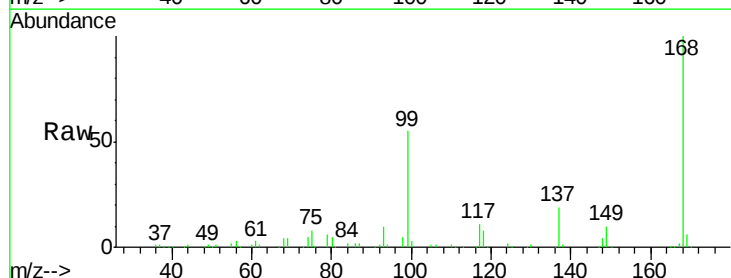
Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-STONES-124029

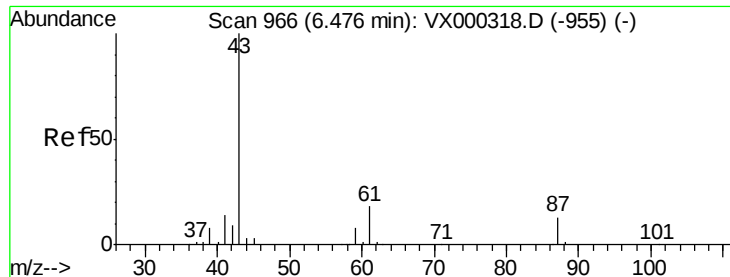
Tgt Ion: 75 Resp: 12655
 Ion Ratio Lower Upper
 75 100
 110 5.3 17.9 53.7#
 77 0.0 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 6.35 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000338.D
 Acq: 15 Mar 2018 19:18

Tgt Ion: 117 Resp: 15870
 Ion Ratio Lower Upper
 117 100
 119 3.3 77.4 116.2#
 121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 0.27 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000338.D

Acq: 15 Mar 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

OILY-STONES-124029

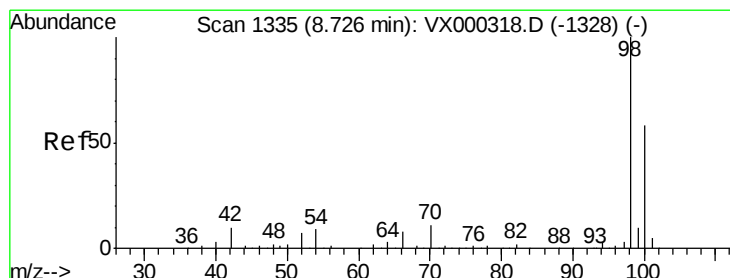
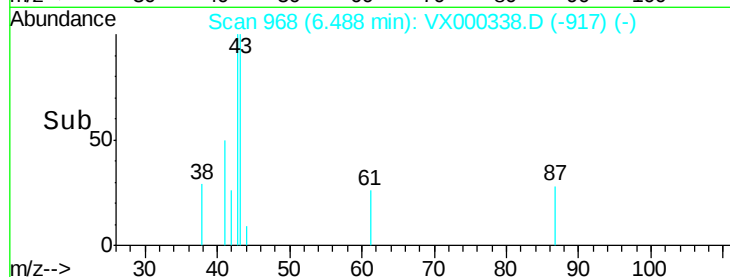
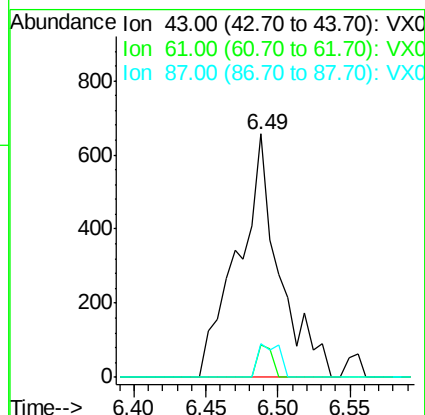
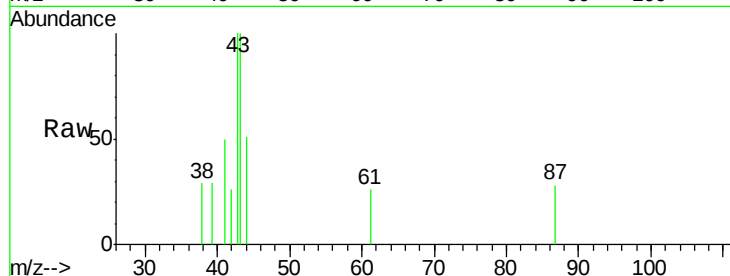
Tgt Ion: 43 Resp: 1302

Ion Ratio Lower Upper

43 100

61 4.6 14.4 21.6#

87 7.1 11.0 16.4#



#50

Toluene-d8

Concen: 48.11 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000338.D

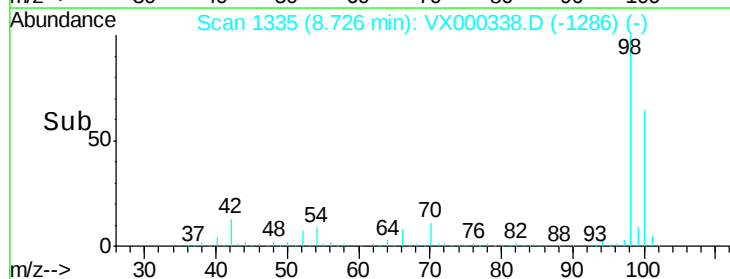
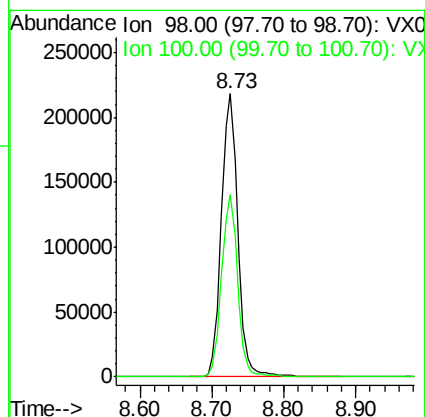
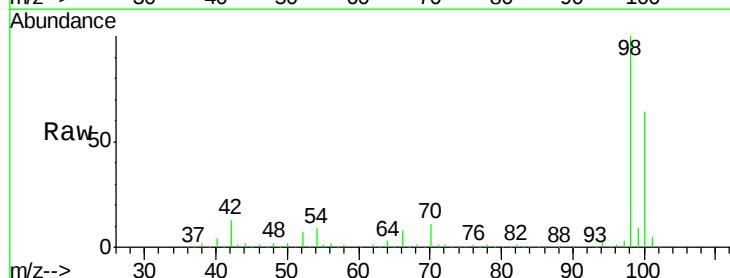
Acq: 15 Mar 2018 19:18

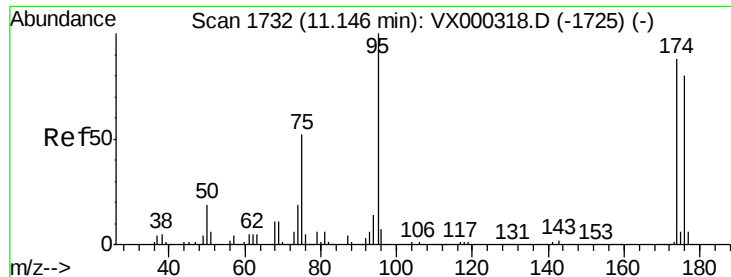
Tgt Ion: 98 Resp: 345698

Ion Ratio Lower Upper

98 100

100 63.2 51.2 76.8

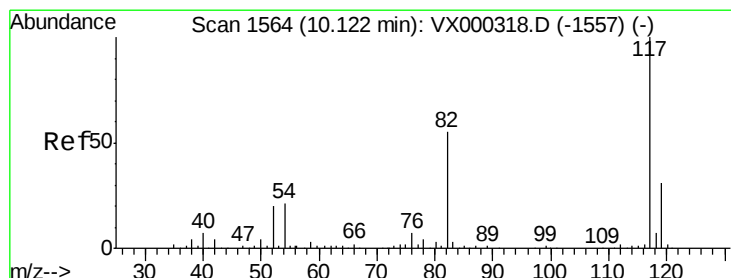
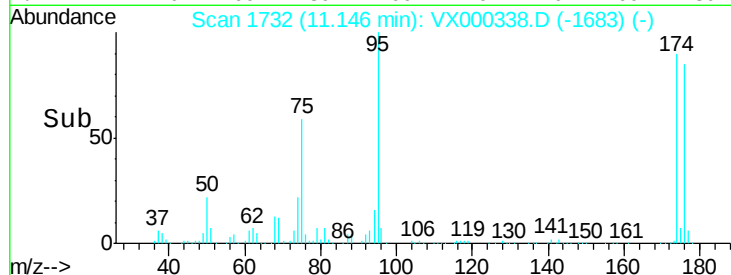
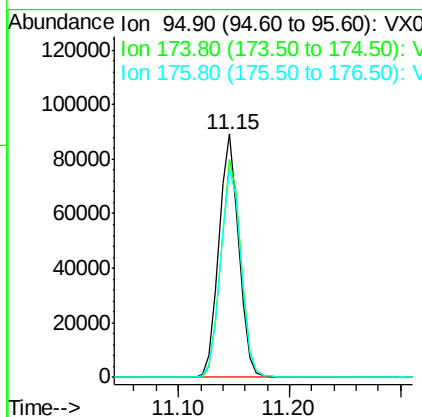
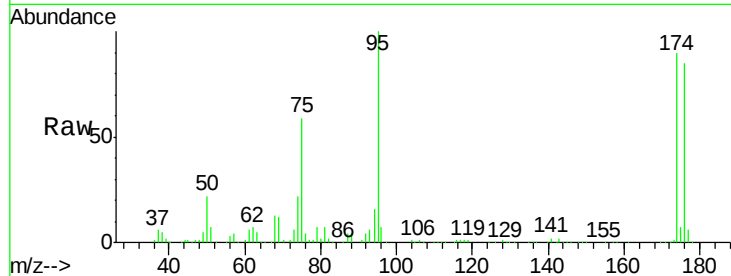




#62
4-Bromofluorobenzene
Concen: 38.33 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000338.D
Acq: 15 Mar 2018 19:18

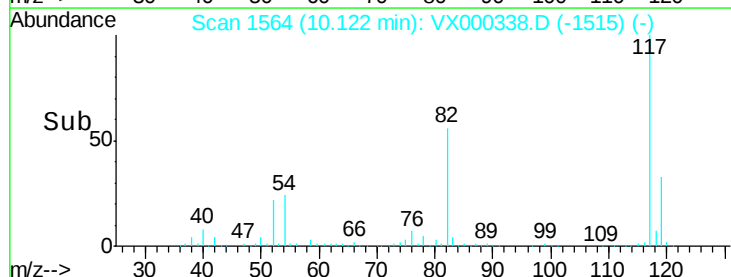
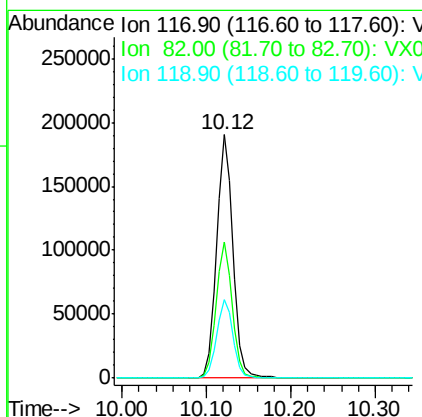
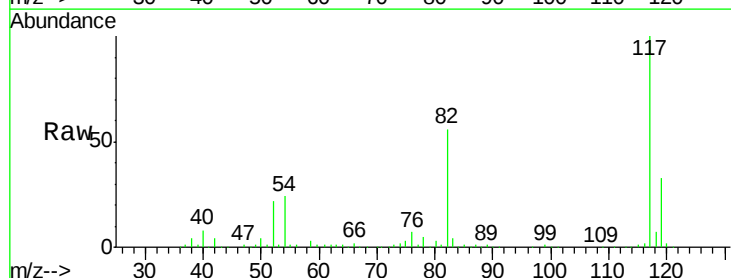
Instrument :
MSVOA_X
ClientSampleId :
OILY-STONES-124029

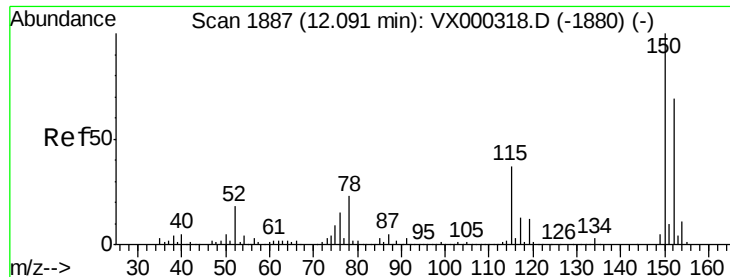
Tgt Ion: 95 Resp: 110457
Ion Ratio Lower Upper
95 100
174 90.6 0.0 173.6
176 88.2 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000338.D
Acq: 15 Mar 2018 19:18

Tgt Ion: 117 Resp: 255466
Ion Ratio Lower Upper
117 100
82 55.8 43.8 65.8
119 32.5 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1887

Delta R.T. -0.00 min

Lab File: VX000338.D

Acq: 15 Mar 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

OILY-STONES-124029

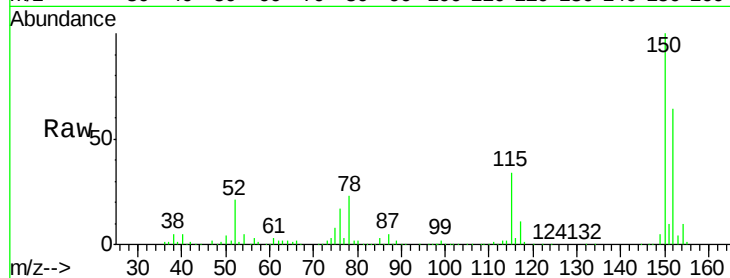
Tgt Ion:152 Resp: 118497

Ion Ratio Lower Upper

152 100

115 57.8 39.8 119.3

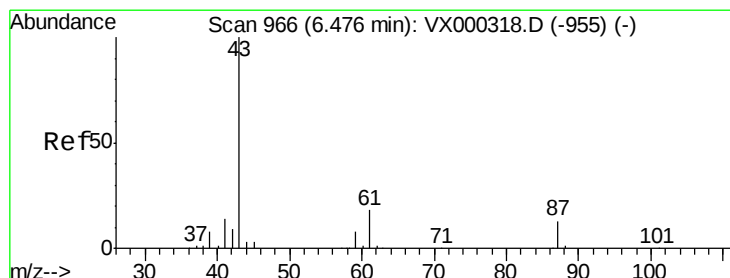
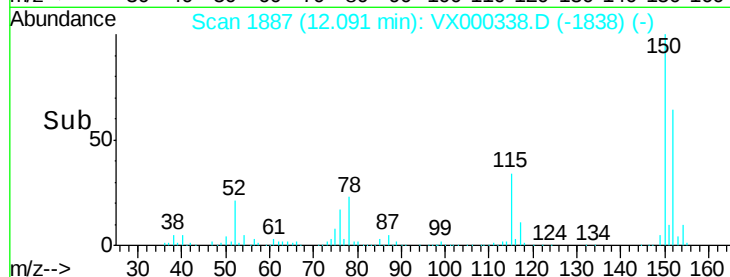
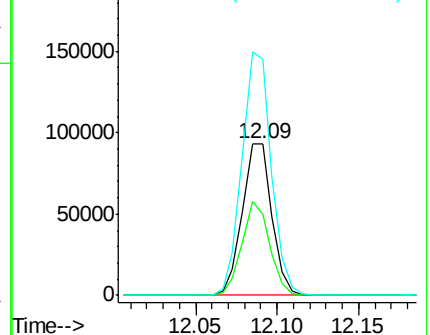
150 158.7 0.0 344.4



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



#74

N-ethyl acetate

Concen: 0.38 ug/l

RT: 6.49 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX000338.D

Acq: 15 Mar 2018 19:18

Tgt Ion: 43 Resp: 1302

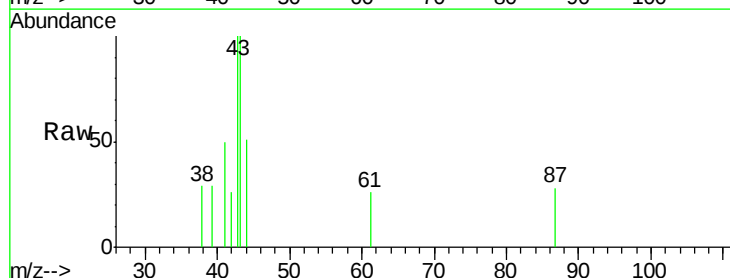
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 4.6 14.4 21.6#

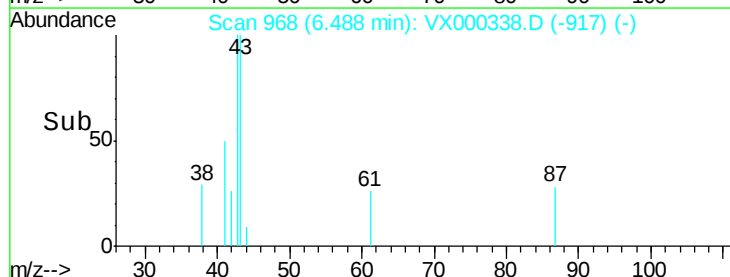
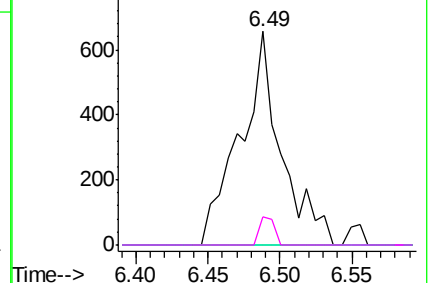


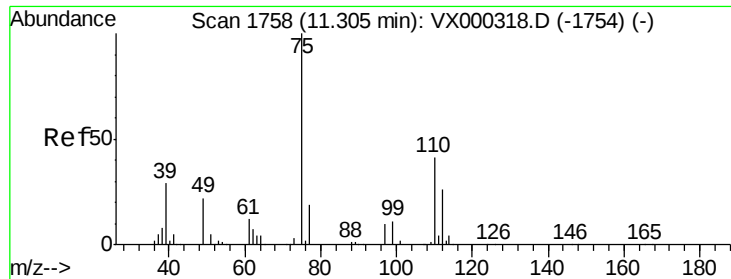
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 29.65 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000338.D

Acq: 15 Mar 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

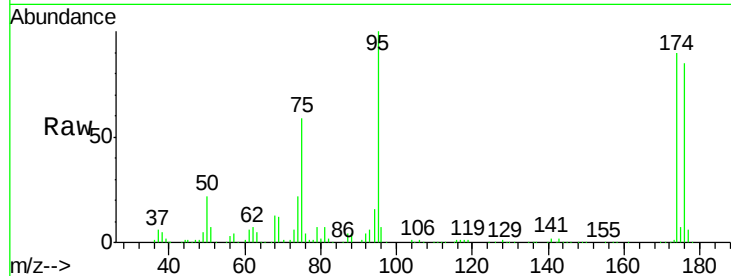
OILY-STONES-124029

Tgt Ion: 75 Resp: 65277

Ion Ratio Lower Upper

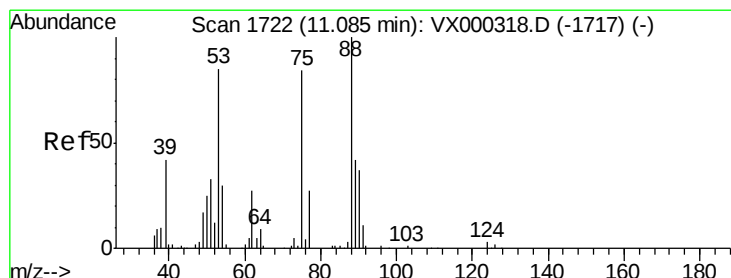
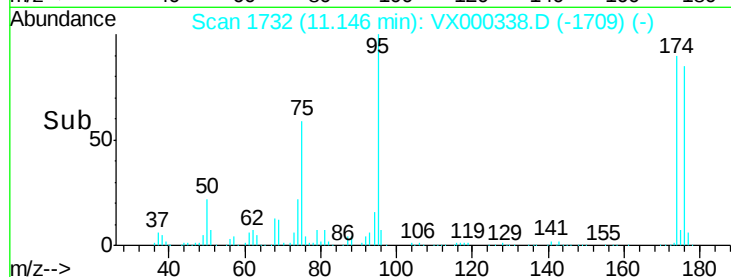
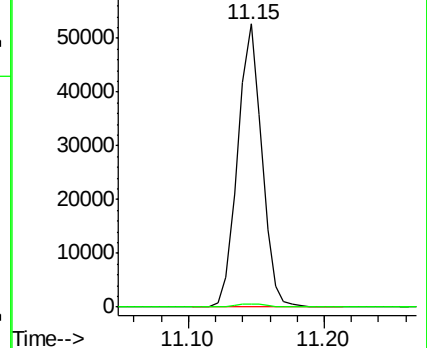
75 100

77 1.3 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 81.49 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000338.D

Acq: 15 Mar 2018 19:18

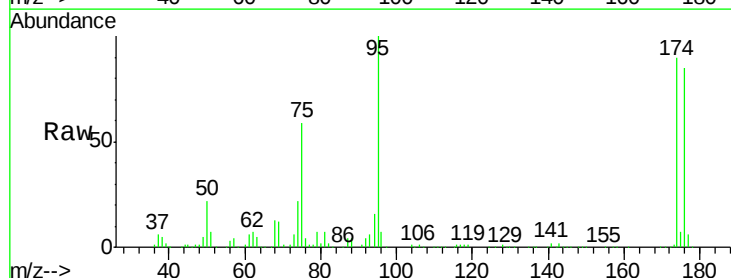
Tgt Ion: 75 Resp: 65277

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

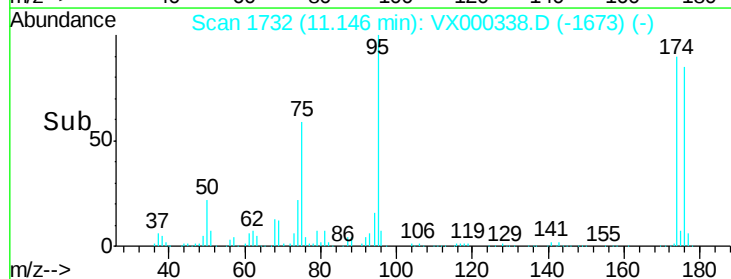
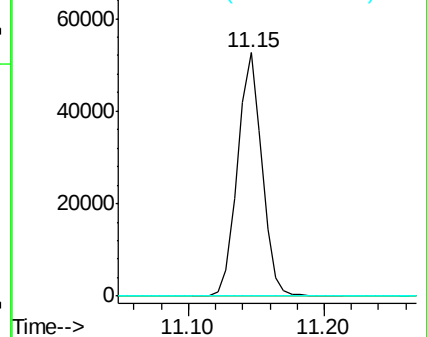
89 0.0 39.4 59.0#

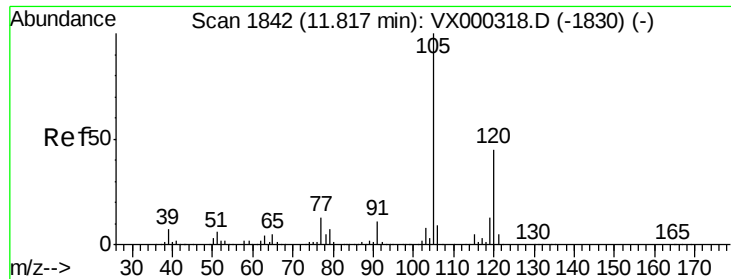


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

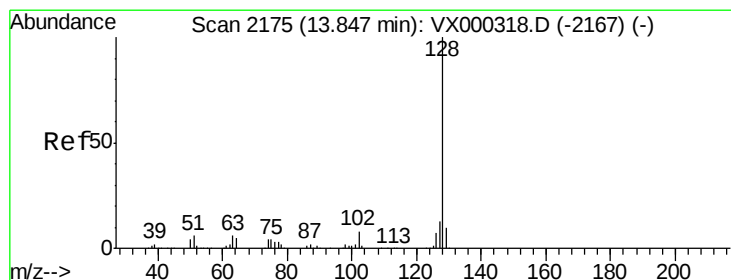
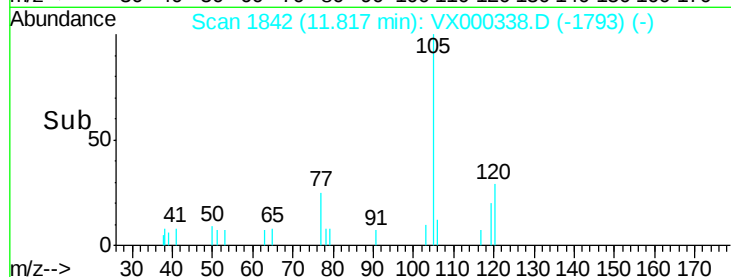
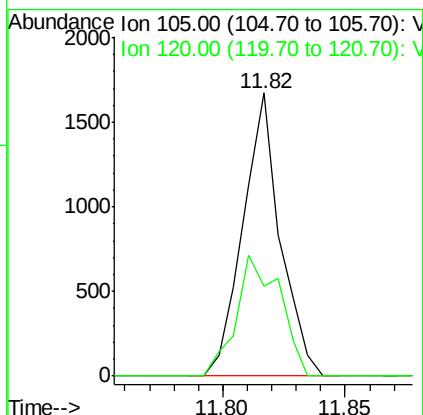
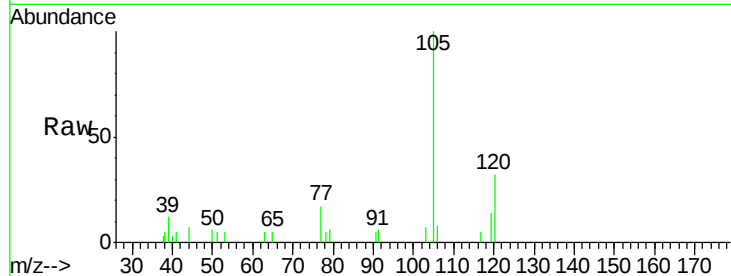




#84
 1,2,4-Trimethylbenzene
 Concen: 0.28 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000338.D
 Acq: 15 Mar 2018 19:18

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-STONES-124029

Tgt Ion:105 Resp: 1779
 Ion Ratio Lower Upper
 105 100
 120 49.7 22.4 67.3



#95
 Naphthalene
 Concen: 10.77 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.01 min
 Lab File: VX000338.D
 Acq: 15 Mar 2018 19:18

Tgt Ion:128 Resp: 95895
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.6 15.8
 129 11.2 8.9 13.3

