

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX031518\
 Data File : VX000339.D
 Acq On : 15 Mar 2018 19:44
 Operator : JC/MD
 Sample : J1913-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-SOIL-124029

Quant Time: Mar 16 02:42:38 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	162699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	272512	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	249913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	114694	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	109344	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	5.51	113	86338	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	8.73	98	337374	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
62) 4-Bromofluorobenzene	11.15	95	110110	38.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.56%	

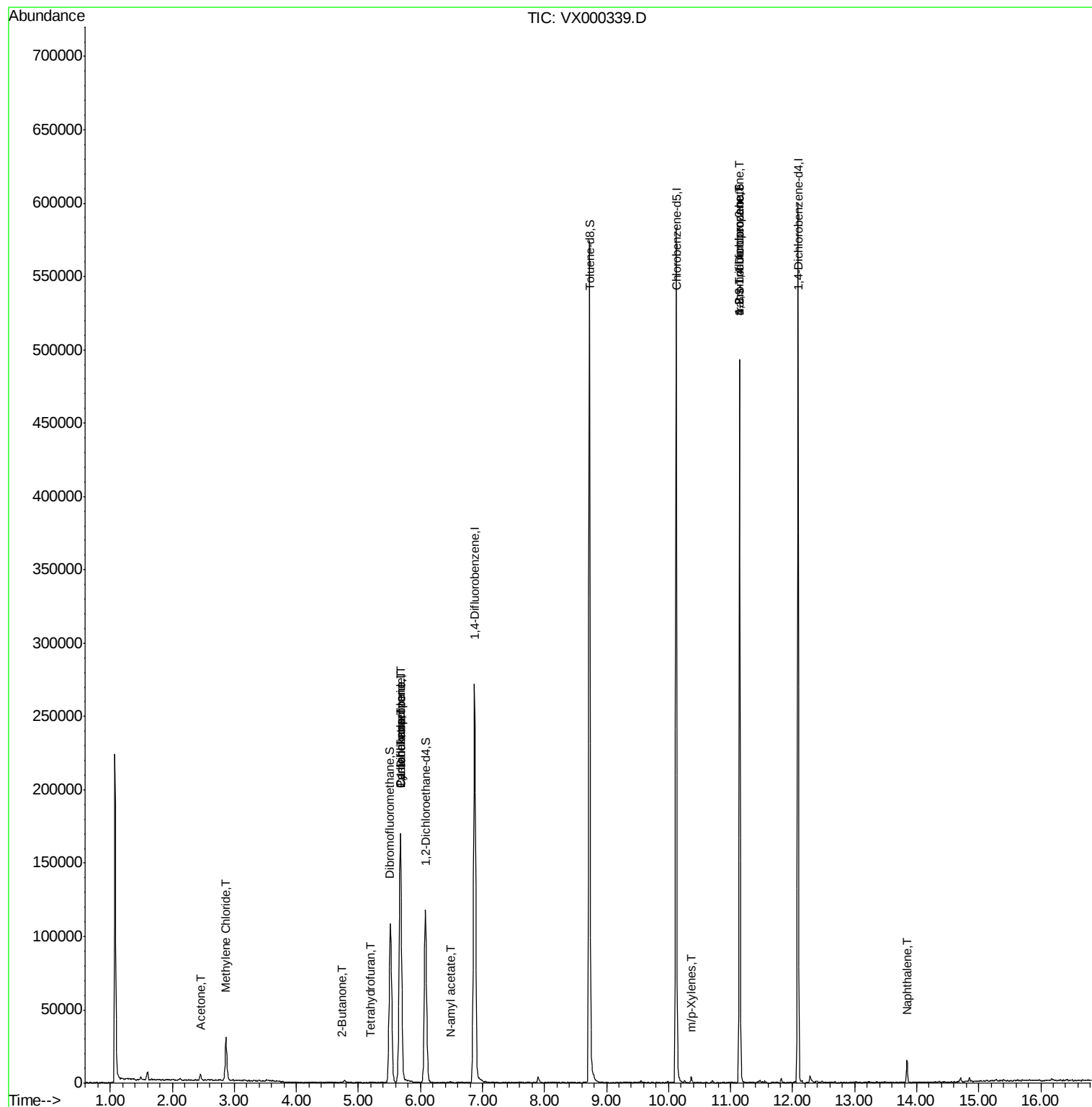
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	4829	3.21	ug/l	92
20) Methylene Chloride	2.86	84	13126	6.75	ug/l	97
25) 2-Butanone	4.73	43	573	0.32	ug/l #	49
29) Tetrahydrofuran	5.18	42	425	0.37	ug/l #	58
31) Cyclohexane	5.67	56	3674	1.44	ug/l #	43
36) 1,1-Dichloropropene	5.67	75	12604	5.09	ug/l #	47
38) Carbon Tetrachloride	5.68	117	15726	6.30	ug/l #	16
68) m/p-Xylenes	10.37	106	1041	0.31	ug/l	97
74) N-amyl acetate	6.48	43	932	0.28	ug/l #	76
76) 1,2,3-Trichloropropane	11.15	75	63741	29.93	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	63741	82.19	ug/l #	9
95) Naphthalene	13.84	128	9056	1.05	ug/l	98

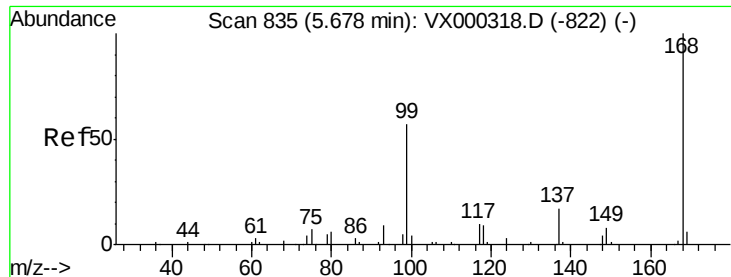
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VX000339.D

Acq: 15 Mar 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

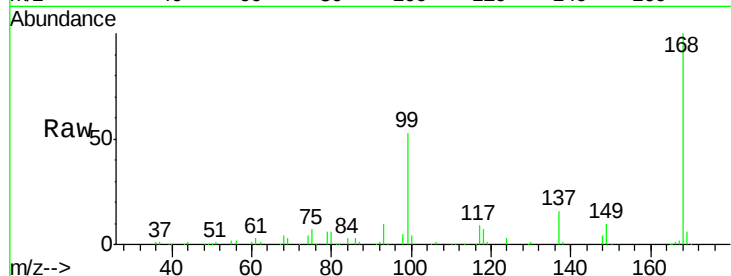
OILY-SOIL-124029

Tgt Ion:168 Resp: 162699

Ion Ratio Lower Upper

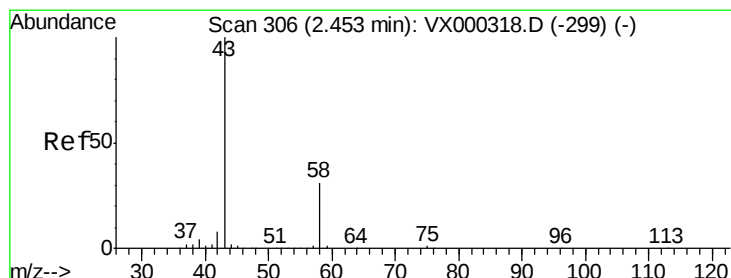
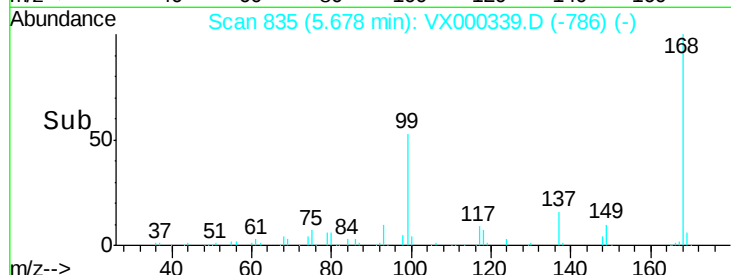
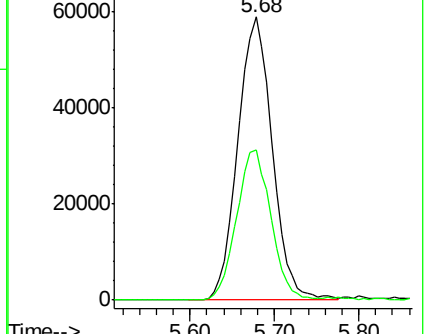
168 100

99 52.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 3.21 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000339.D

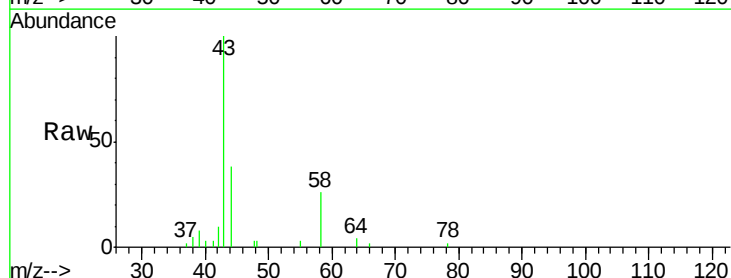
Acq: 15 Mar 2018 19:44

Tgt Ion: 43 Resp: 4829

Ion Ratio Lower Upper

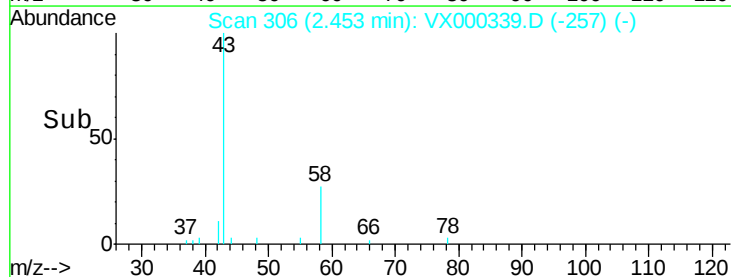
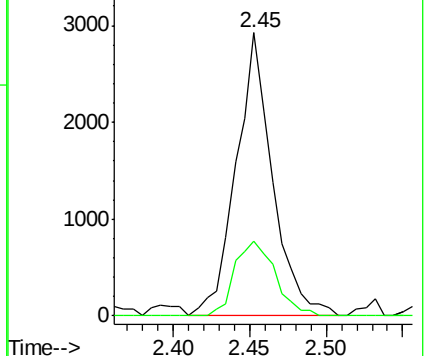
43 100

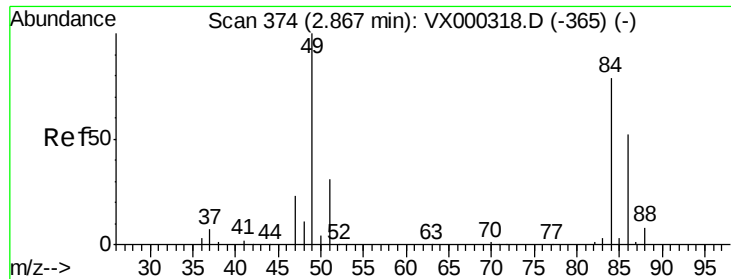
58 26.4 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

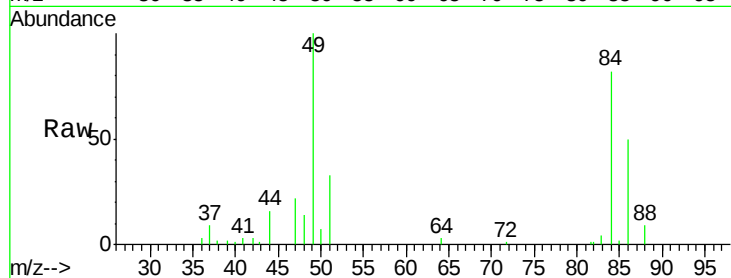




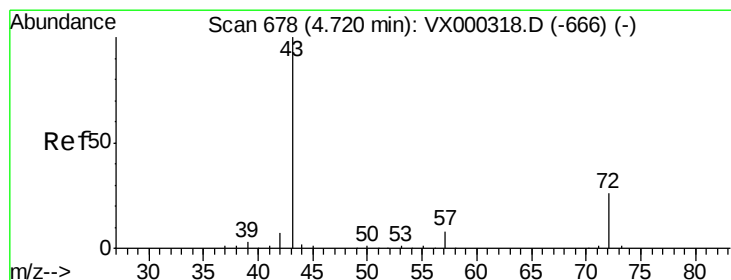
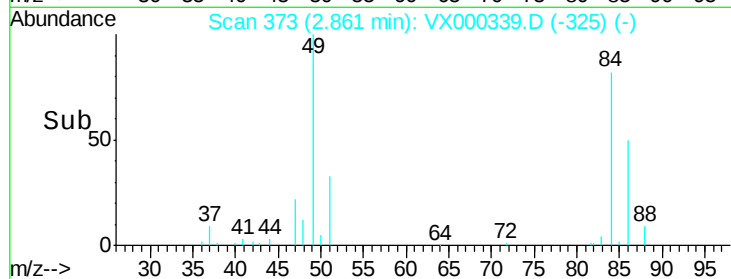
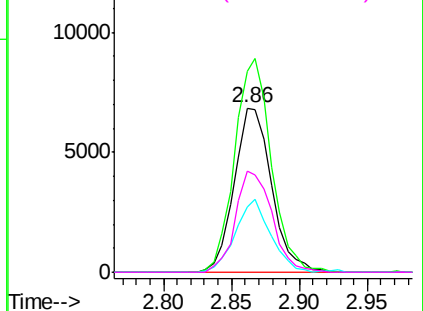
#20
Methylene Chloride
Concen: 6.75 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000339.D
Acq: 15 Mar 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-124029

Tgt Ion: 84 Resp: 13126
Ion Ratio Lower Upper
84 100
49 122.5 100.6 151.0
51 39.9 31.6 47.4
86 61.4 52.6 78.8

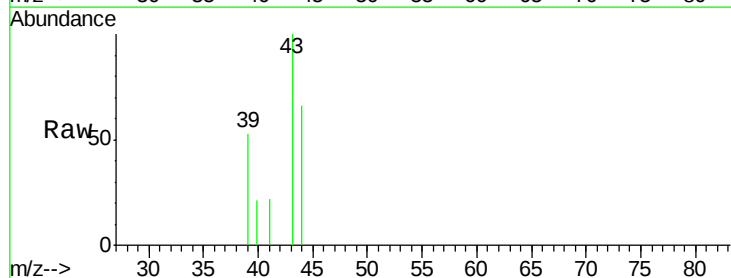


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

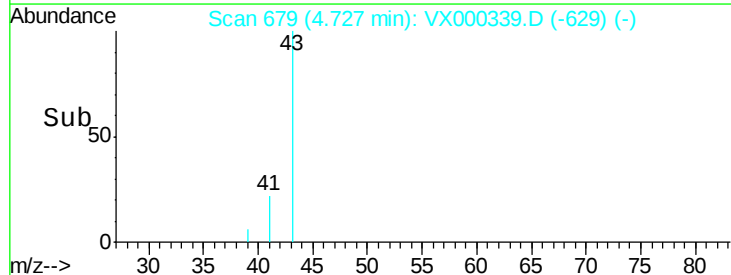
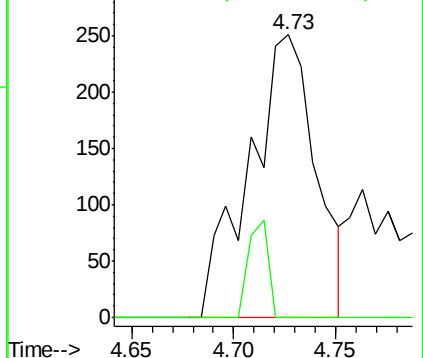


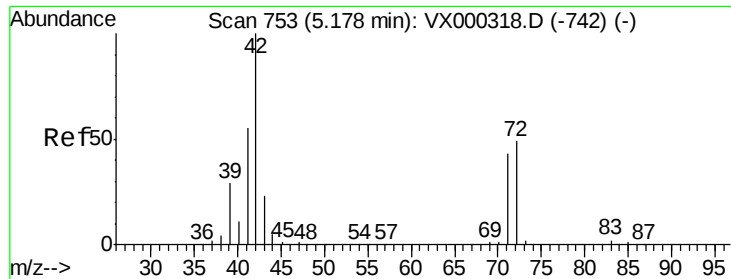
#25
2-Butanone
Concen: 0.32 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX000339.D
Acq: 15 Mar 2018 19:44

Tgt Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.37 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000339.D

Acq: 15 Mar 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

OILY-SOIL-124029

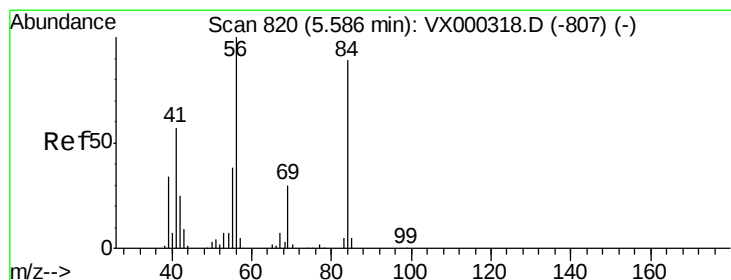
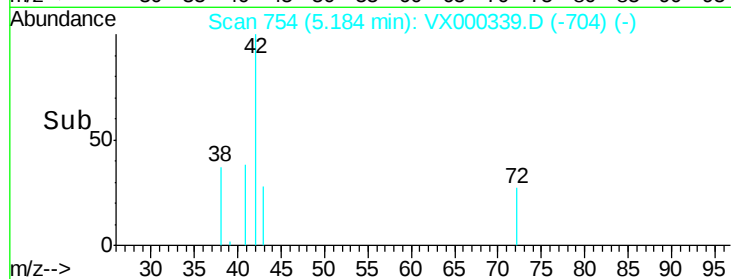
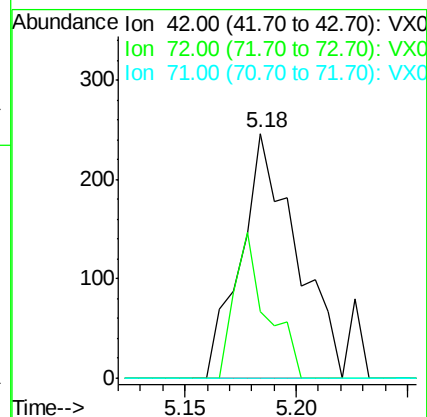
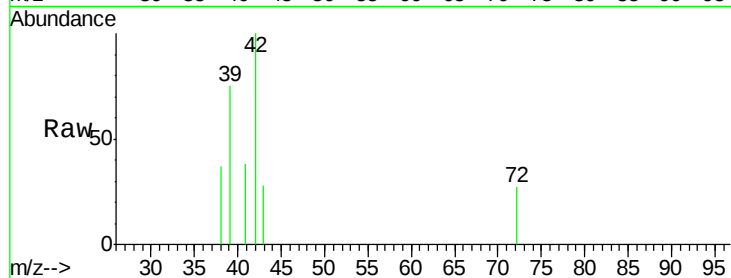
Tgt Ion: 42 Resp: 425

Ion Ratio Lower Upper

42 100

72 35.1 37.9 56.9#

71 0.0 34.4 51.6#



#31

Cyclohexane

Concen: 1.44 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000339.D

Acq: 15 Mar 2018 19:44

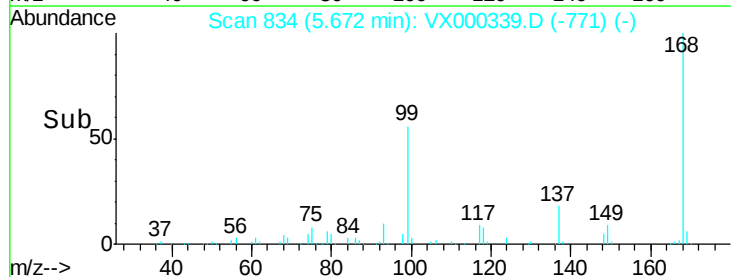
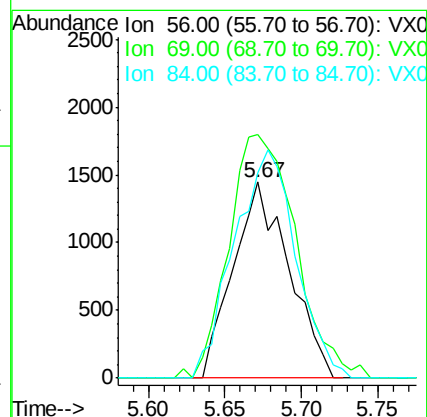
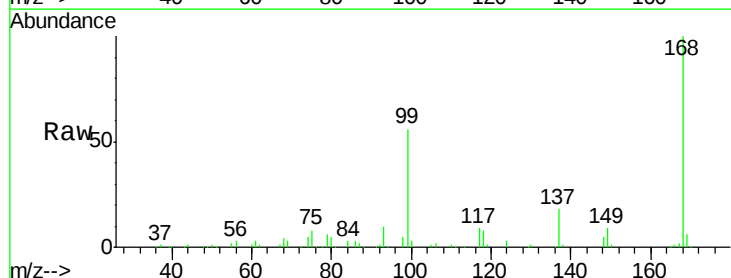
Tgt Ion: 56 Resp: 3674

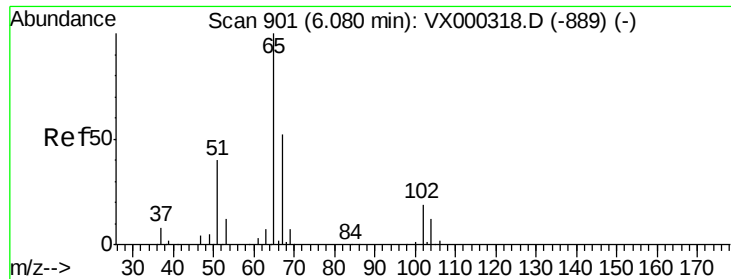
Ion Ratio Lower Upper

56 100

69 124.2 23.4 35.0#

84 104.4 71.0 106.4





#33

1,2-Dichloroethane-d4

Concen: 48.58 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000339.D

Acq: 15 Mar 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

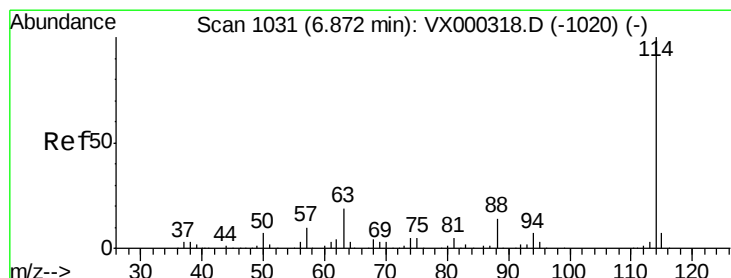
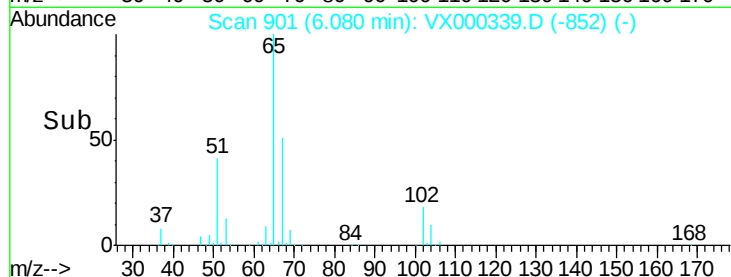
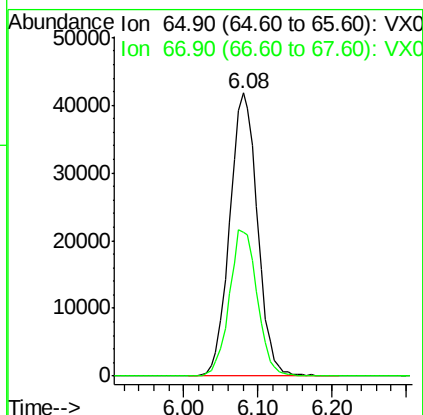
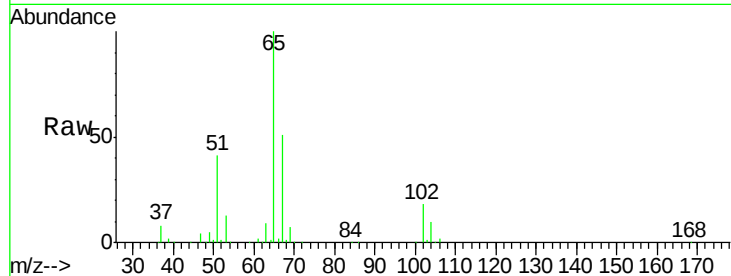
OILY-SOIL-124029

Tgt Ion: 65 Resp: 109344

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000339.D

Acq: 15 Mar 2018 19:44

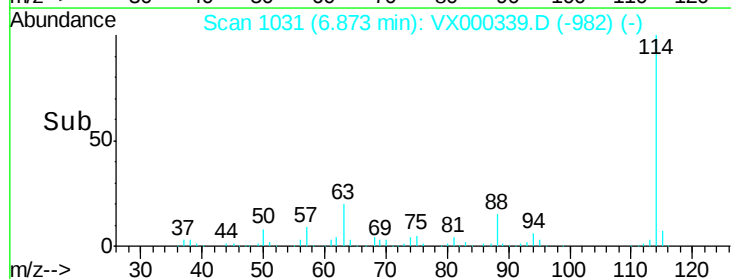
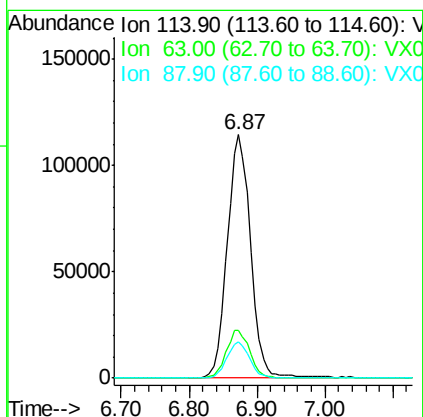
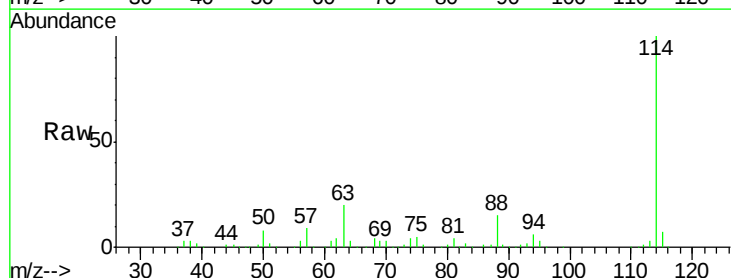
Tgt Ion: 114 Resp: 272512

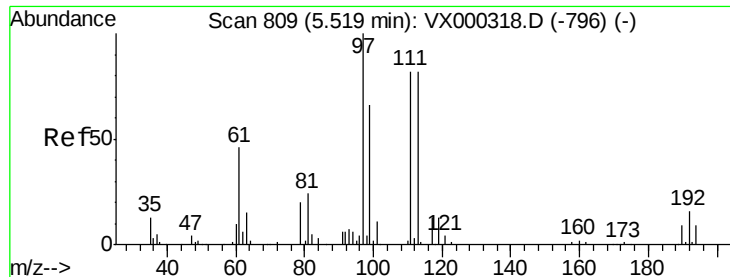
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

88 15.0 0.0 27.0





#35

Dibromofluoromethane

Concen: 50.21 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.01 min

Lab File: VX000339.D

Acq: 15 Mar 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

OILY-SOIL-124029

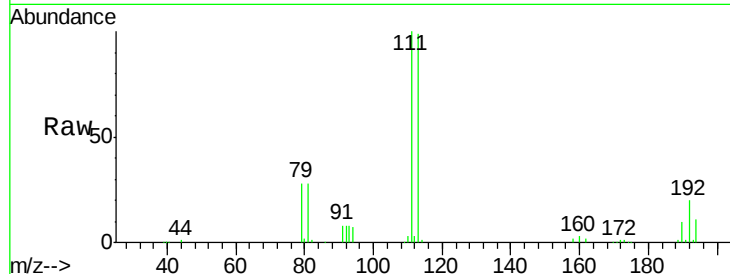
Tgt Ion:113 Resp: 86338

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

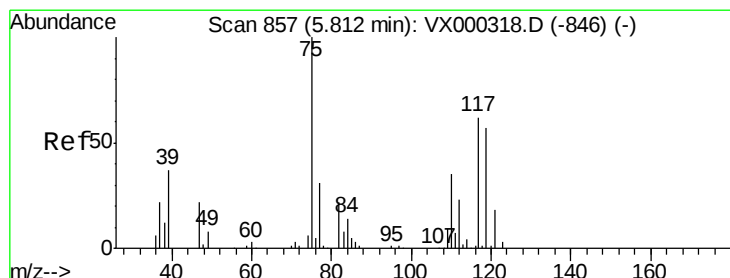
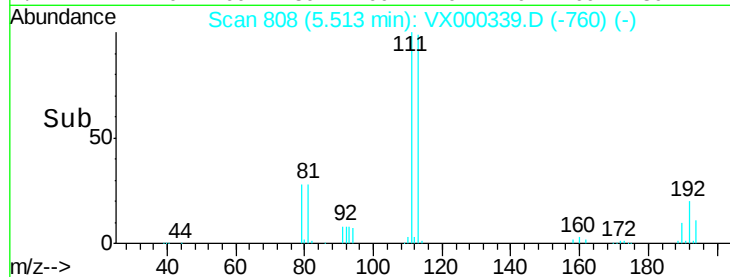
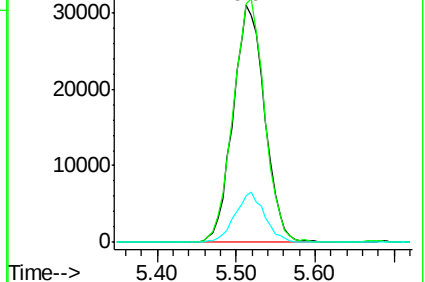
192 19.8 15.8 23.6



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: 5.09 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000339.D

Acq: 15 Mar 2018 19:44

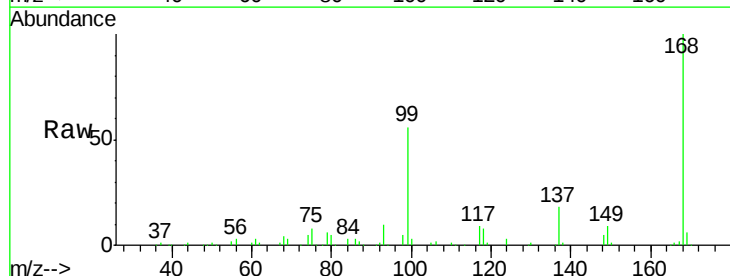
Tgt Ion: 75 Resp: 12604

Ion Ratio Lower Upper

75 100

110 5.7 17.9 53.7#

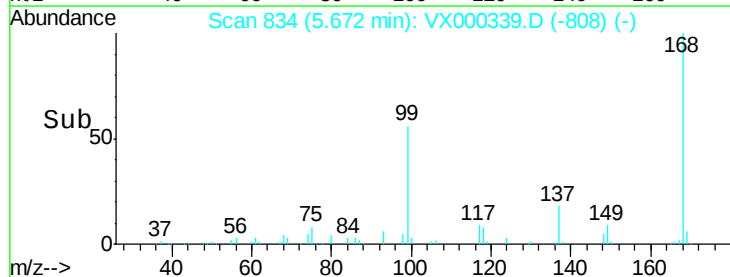
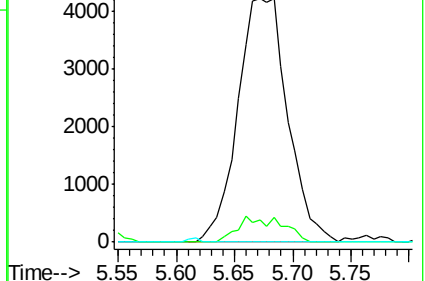
77 0.0 24.0 36.0#

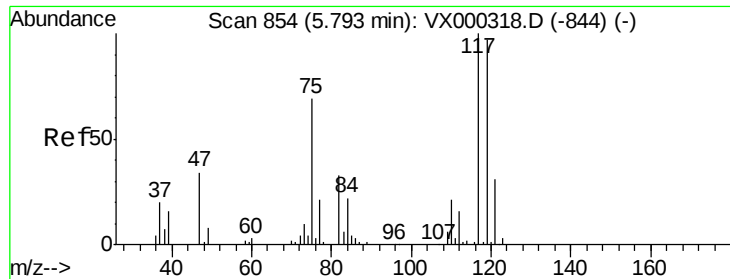


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

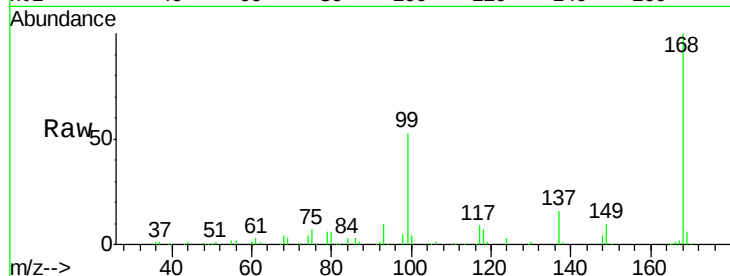




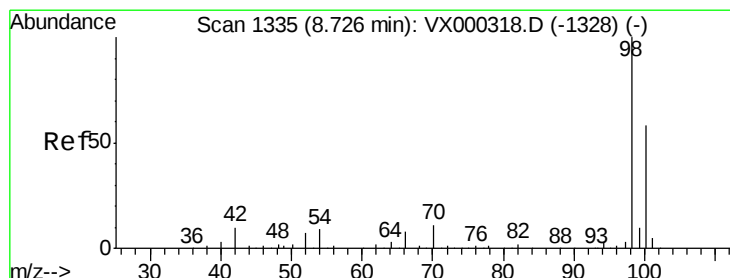
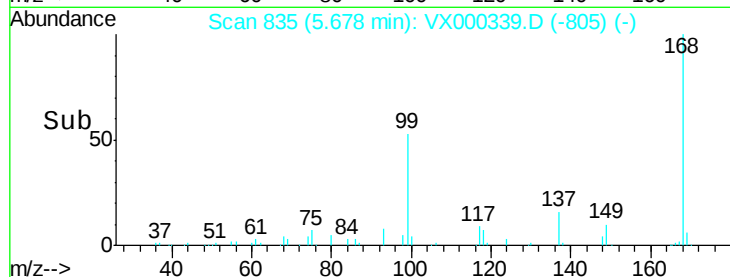
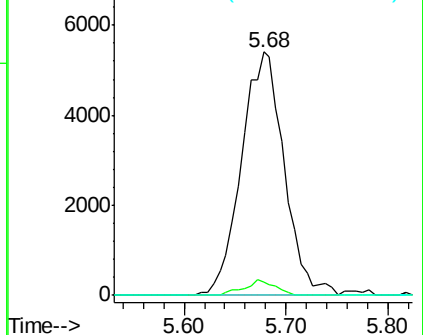
#38
Carbon Tetrachloride
Concen: 6.30 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.12 min
Lab File: VX000339.D
Acq: 15 Mar 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-124029

Tgt Ion:117 Resp: 15726
Ion Ratio Lower Upper
117 100
119 5.7 77.4 116.2#
121 0.0 24.8 37.2#

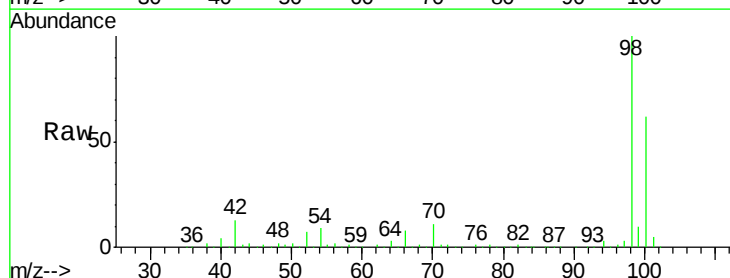


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

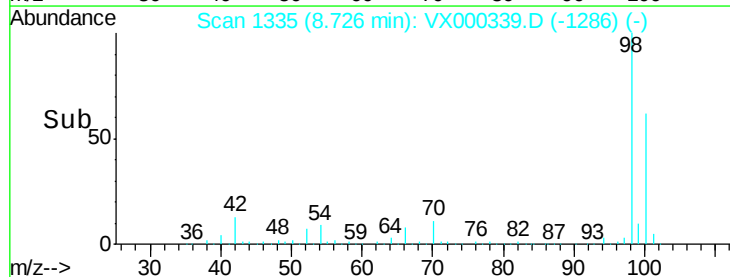
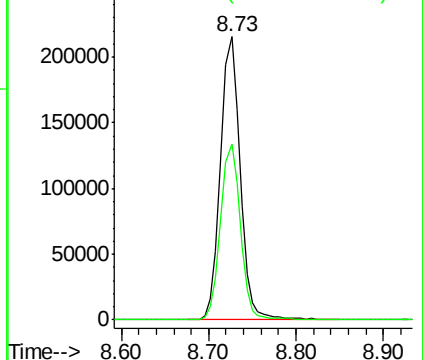


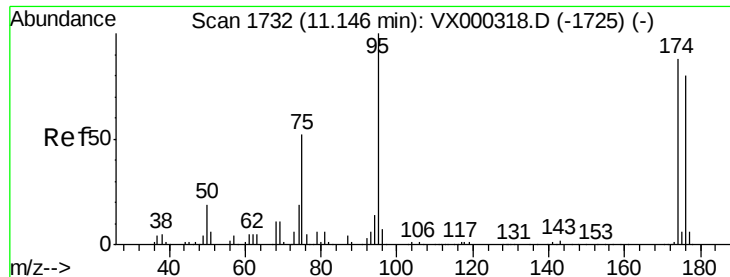
#50
Toluene-d8
Concen: 47.04 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000339.D
Acq: 15 Mar 2018 19:44

Tgt Ion: 98 Resp: 337374
Ion Ratio Lower Upper
98 100
100 62.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

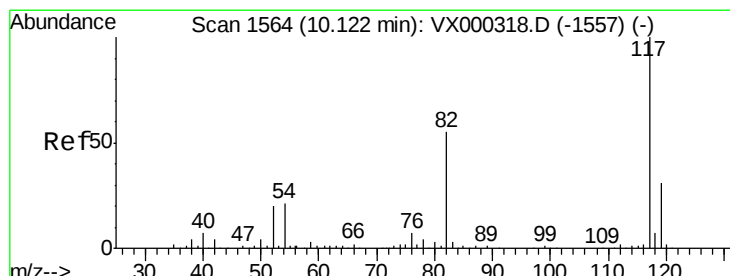
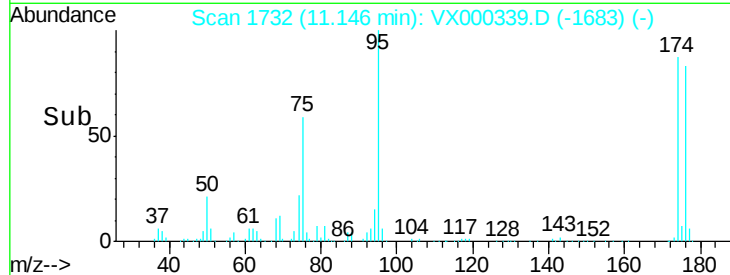
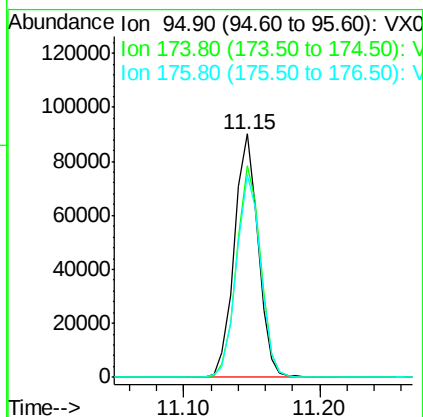
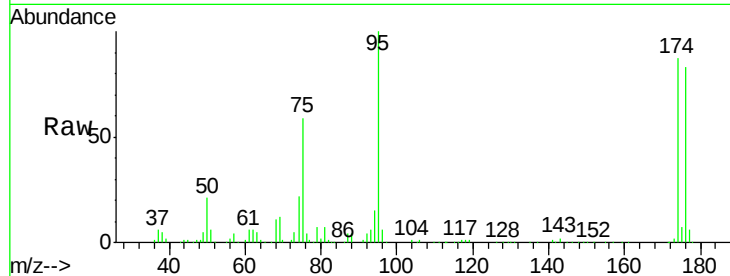




#62
4-Bromofluorobenzene
Concen: 38.28 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000339.D
Acq: 15 Mar 2018 19:44

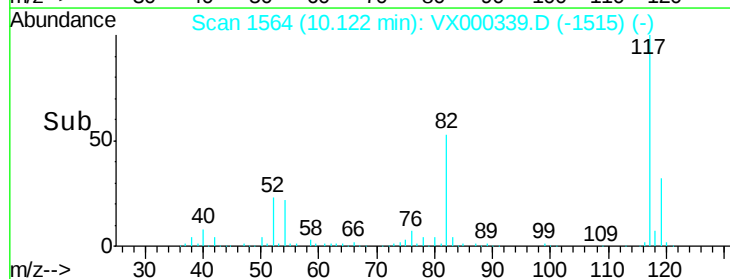
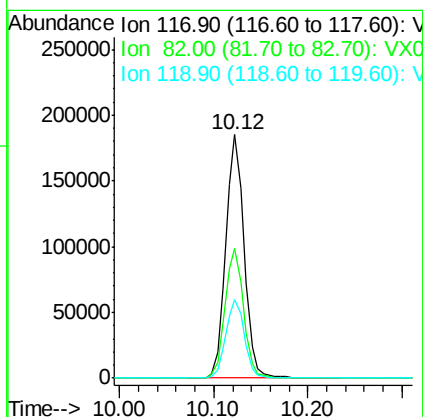
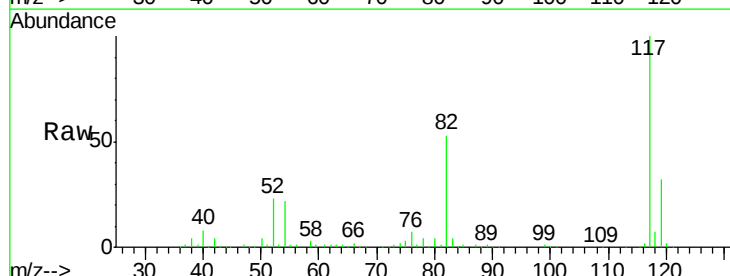
Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-124029

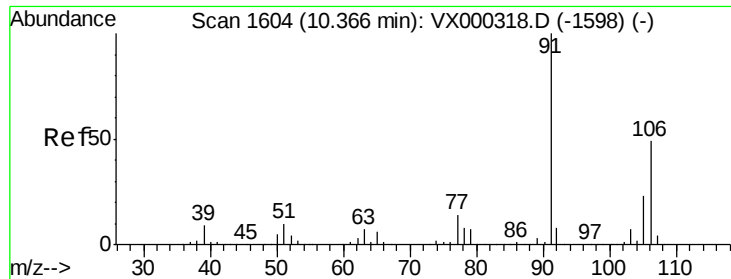
Tgt Ion: 95 Resp: 110110
Ion Ratio Lower Upper
95 100
174 88.3 0.0 173.6
176 84.6 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000339.D
Acq: 15 Mar 2018 19:44

Tgt Ion: 117 Resp: 249913
Ion Ratio Lower Upper
117 100
82 53.2 43.8 65.8
119 32.3 24.9 37.3

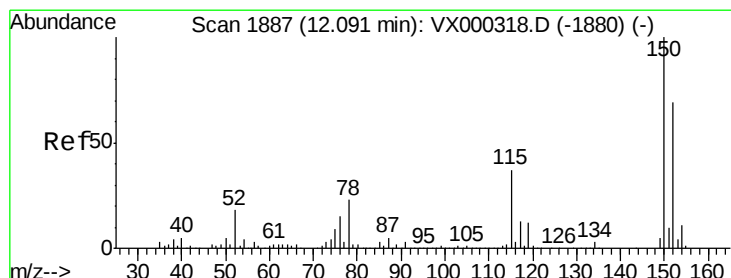
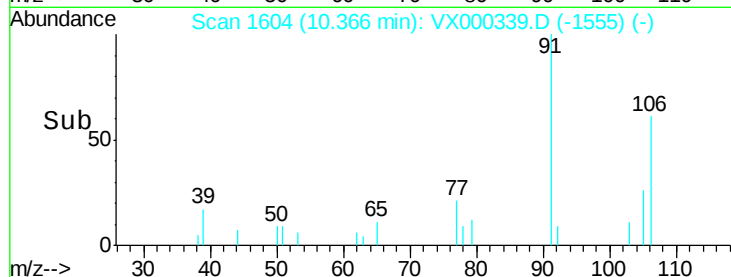
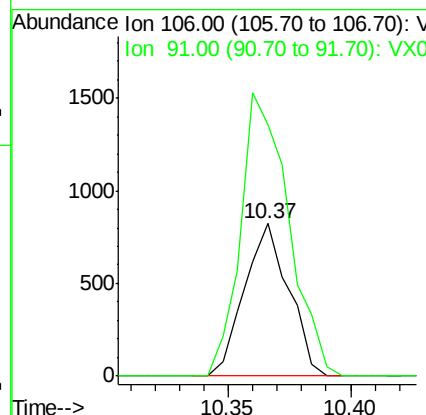
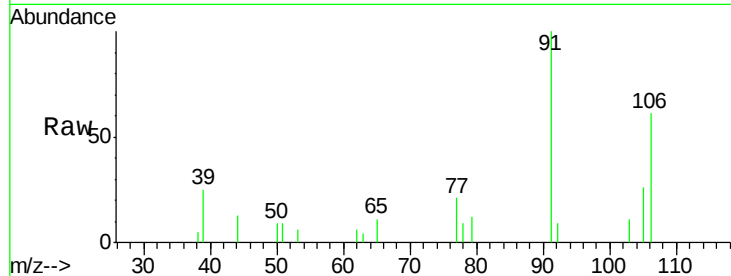




#68
m/p-Xylenes
Concen: 0.31 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000339.D
Acq: 15 Mar 2018 19:44

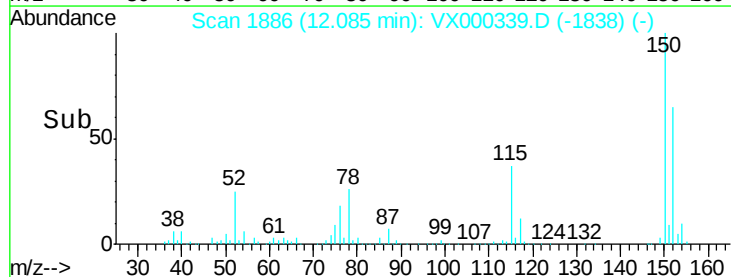
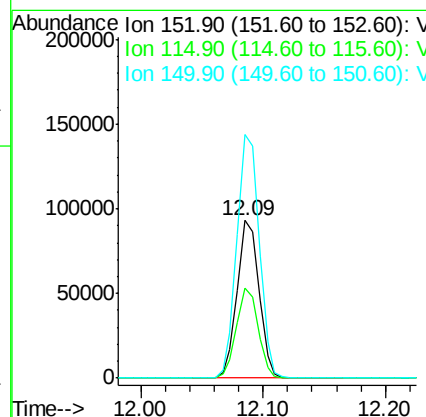
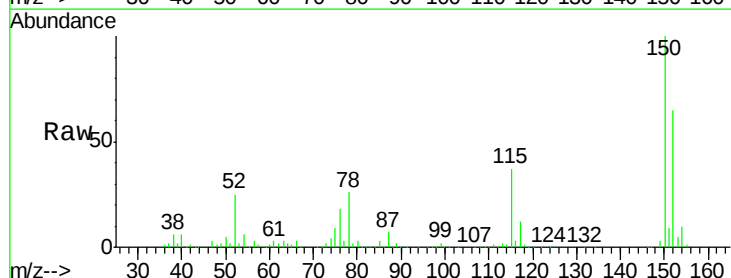
Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-124029

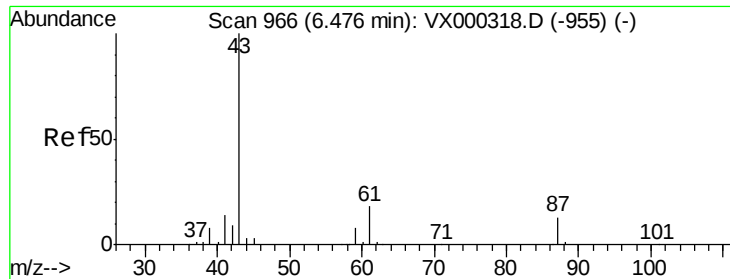
Tgt Ion:106 Resp: 1041
Ion Ratio Lower Upper
106 100
91 199.7 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000339.D
Acq: 15 Mar 2018 19:44

Tgt Ion:152 Resp: 114694
Ion Ratio Lower Upper
152 100
115 57.1 39.8 119.3
150 158.5 0.0 344.4





#74

N-ethyl acetate

Concen: 0.28 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000339.D

Acq: 15 Mar 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

OILY-SOIL-124029

Tgt Ion: 43 Resp: 932

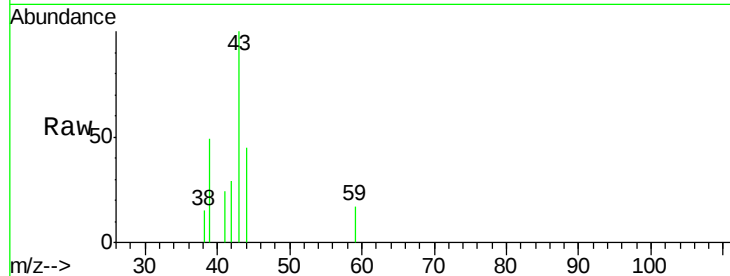
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 7.4 14.4 21.6#

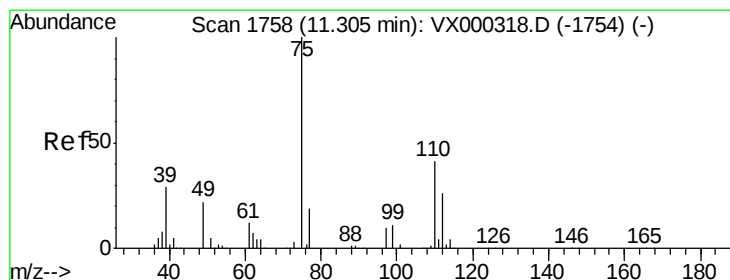
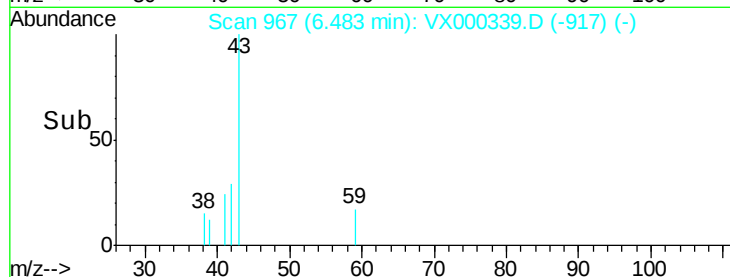
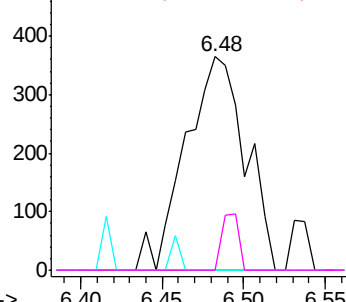


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 29.93 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000339.D

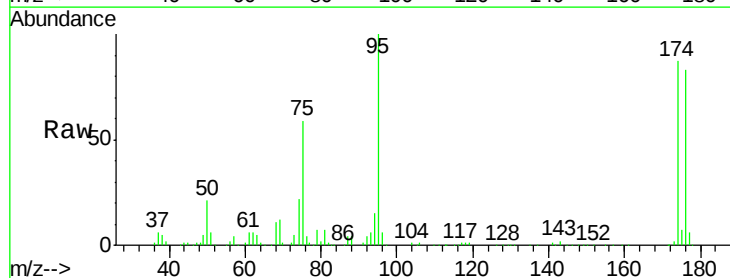
Acq: 15 Mar 2018 19:44

Tgt Ion: 75 Resp: 63741

Ion Ratio Lower Upper

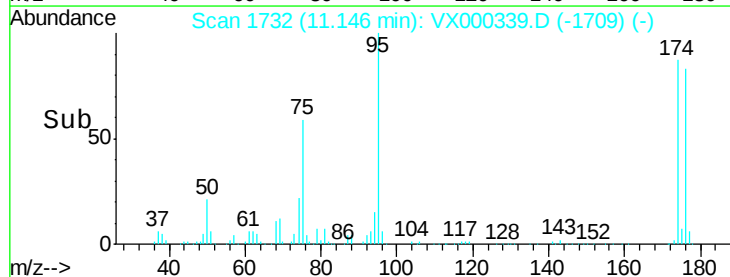
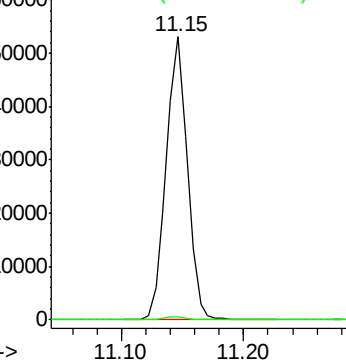
75 100

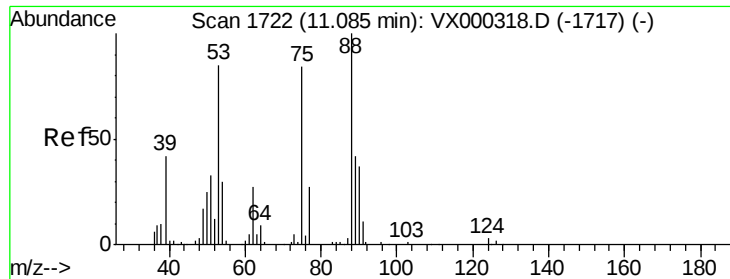
77 1.0 21.4 64.2#



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: 82.19 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000339.D

Acq: 15 Mar 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

OILY-SOIL-124029

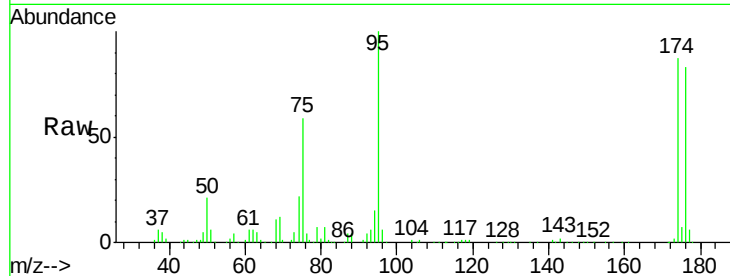
Tgt Ion: 75 Resp: 63741

Ion Ratio Lower Upper

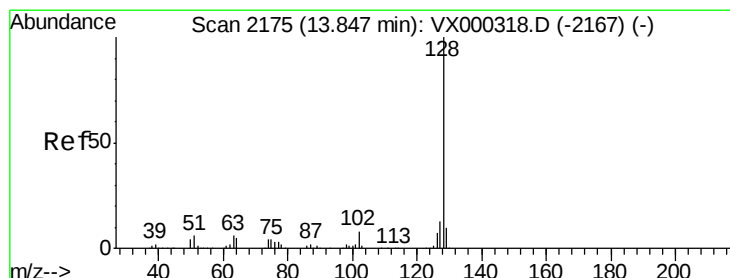
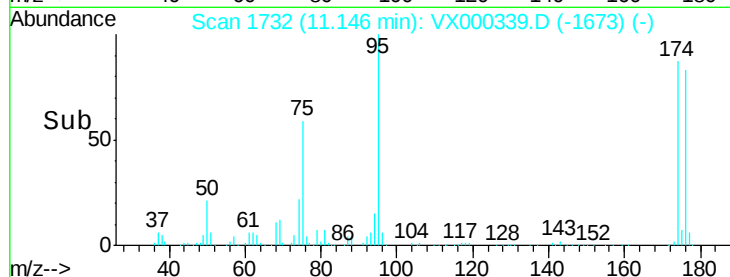
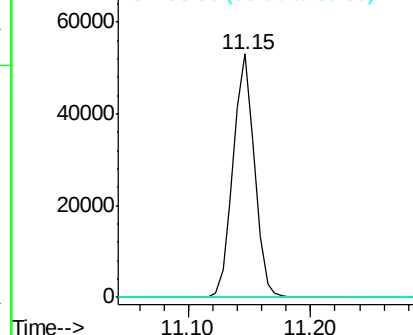
75 100

53 0.0 80.7 121.1#

89 0.1 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



#95

Naphthalene

Concen: 1.05 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.01 min

Lab File: VX000339.D

Acq: 15 Mar 2018 19:44

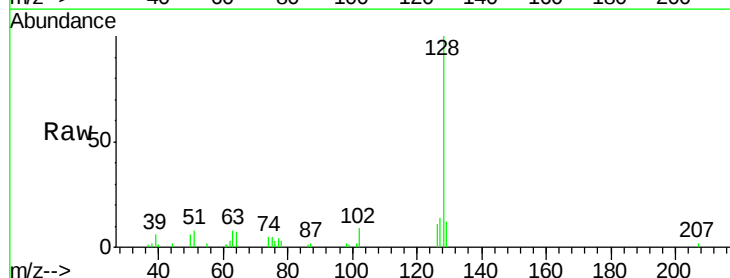
Tgt Ion: 128 Resp: 9056

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 12.5 8.9 13.3



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

