

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX031518\
 Data File : VX000335.D
 Acq On : 15 Mar 2018 18:01
 Operator : JC/MD
 Sample : J1913-05 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-SOIL-72-11939

Quant Time: Mar 16 02:41:39 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	164472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	276547	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	257259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122325	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	111378	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
35) Dibromofluoromethane	5.52	113	85695	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
50) Toluene-d8	8.73	98	349585	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
62) 4-Bromofluorobenzene	11.15	95	113362	38.84	ug/l	0.00
Spiked Amount			Recovery	=	77.68%	

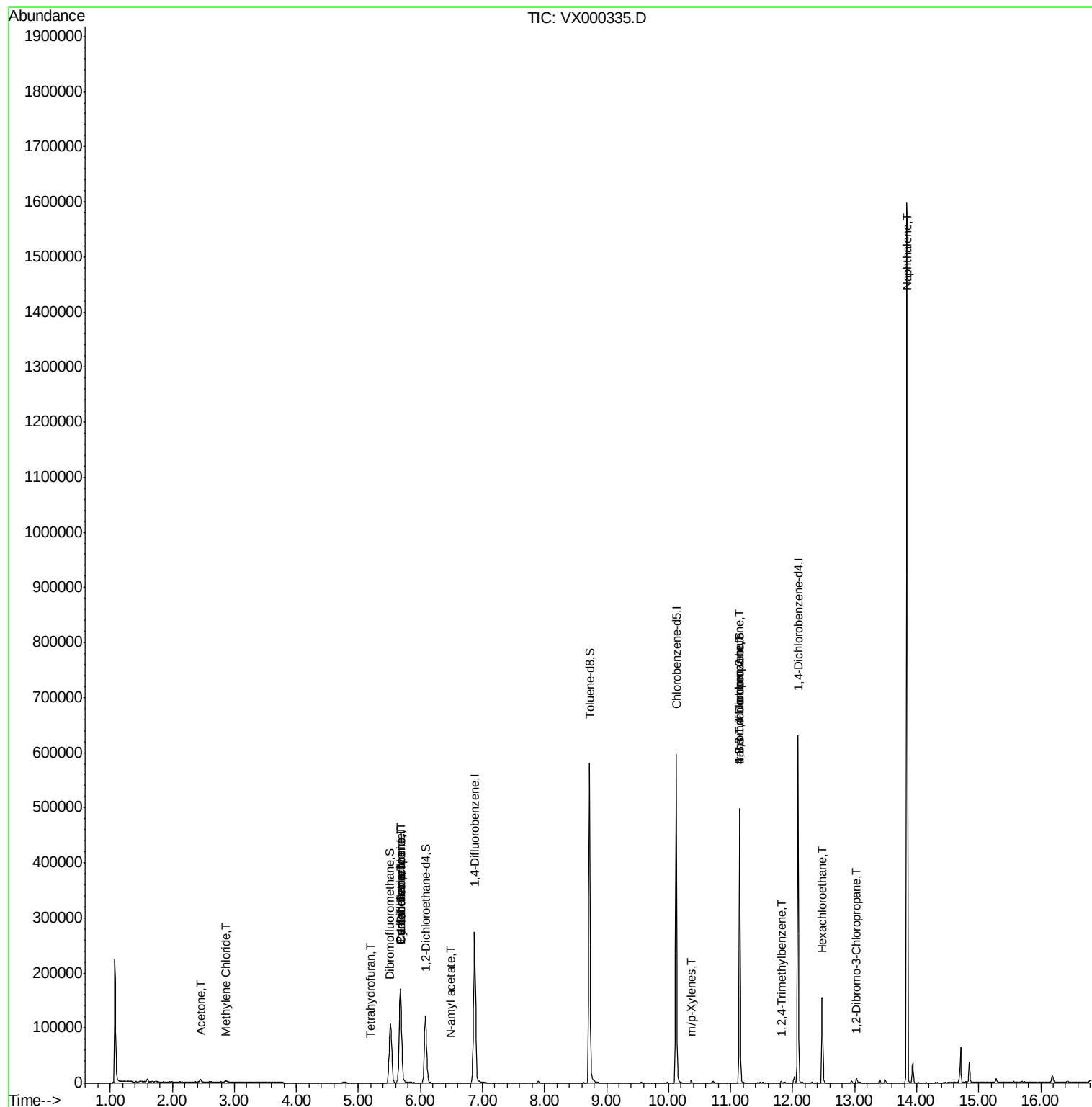
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	5750	3.78	ug/l	94
20) Methylene Chloride	2.86	84	956	0.49	ug/l #	79
29) Tetrahydrofuran	5.19	42	264	0.23	ug/l #	37
31) Cyclohexane	5.67	56	3841	1.49	ug/l #	8
36) 1,1-Dichloropropene	5.67	75	13536	5.39	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17573	6.94	ug/l #	15
64) Tetrachloroethene	9.35	164	46	Below Cal	#	1
68) m/p-Xylenes	10.37	106	912	0.26	ug/l	82
74) N-amyl acetate	6.49	43	833	0.24	ug/l #	66
76) 1,2,3-Trichloropropane	11.15	75	66096	29.04	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	66096	79.98	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	1544	0.24	ug/l	72
90) Hexachloroethane	12.48	117	5659	5.17	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.02	75	197	0.28	ug/l #	1
95) Naphthalene	13.85	128	956657	104.12	ug/l	100

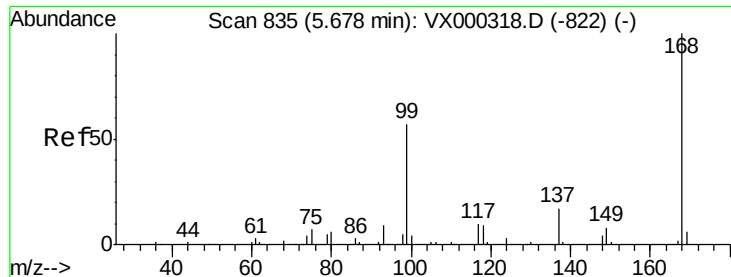
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000335.D

Acq: 15 Mar 2018 18:01

Instrument :

MSVOA_X

ClientSampleId :

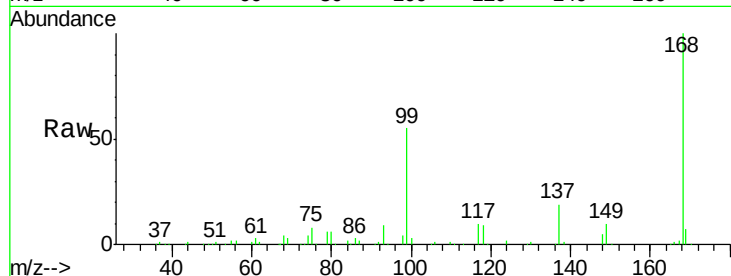
OILY-SOIL-72-11939

Tgt Ion:168 Resp: 164472

Ion Ratio Lower Upper

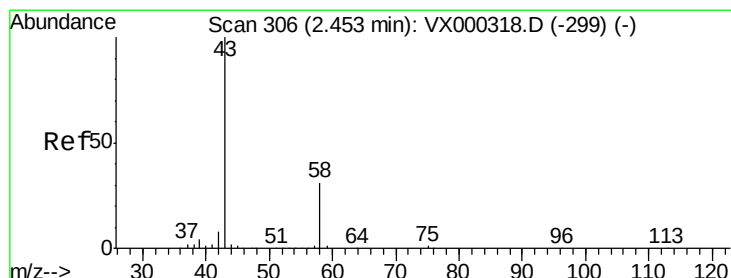
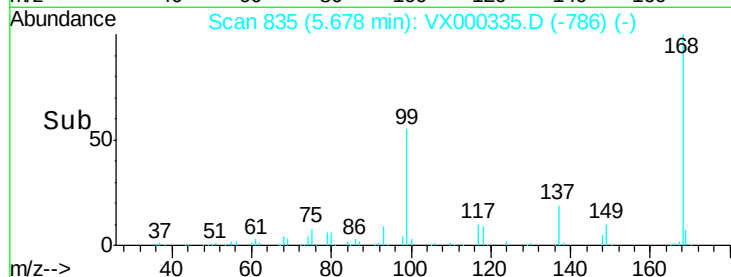
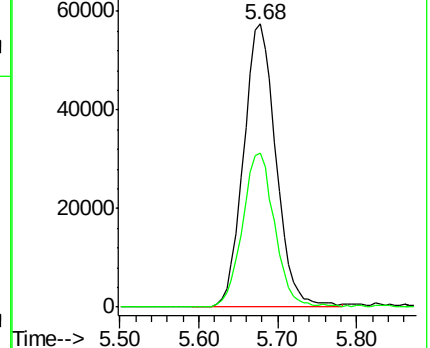
168 100

99 54.6 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: 3.78 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000335.D

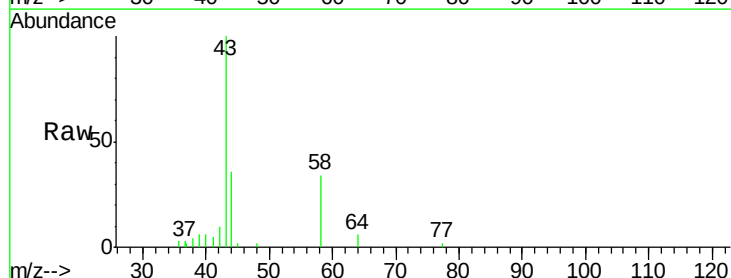
Acq: 15 Mar 2018 18:01

Tgt Ion: 43 Resp: 5750

Ion Ratio Lower Upper

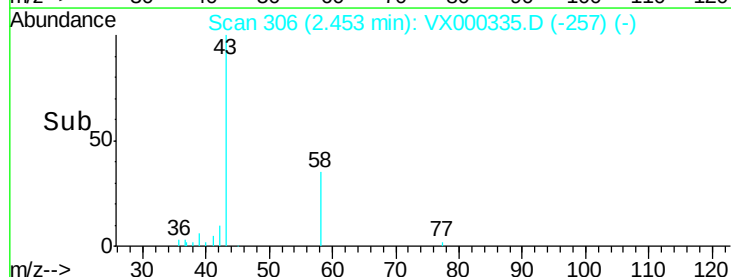
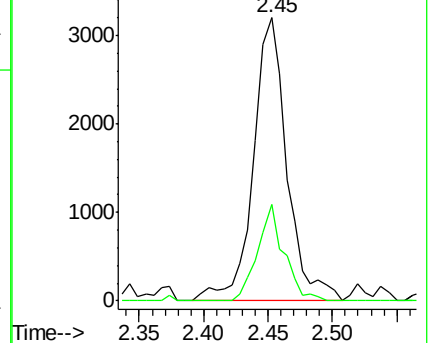
43 100

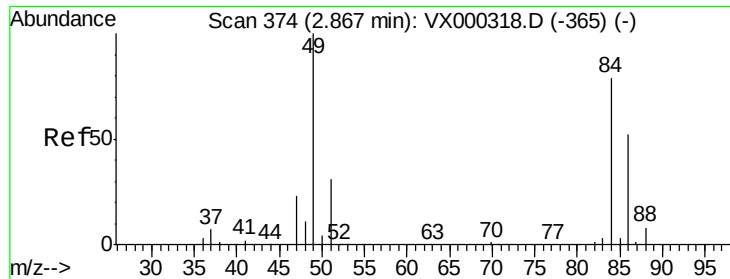
58 34.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

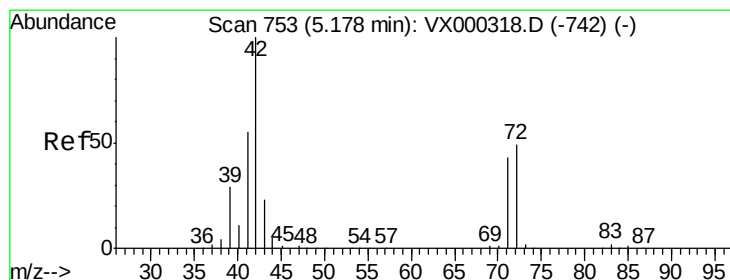
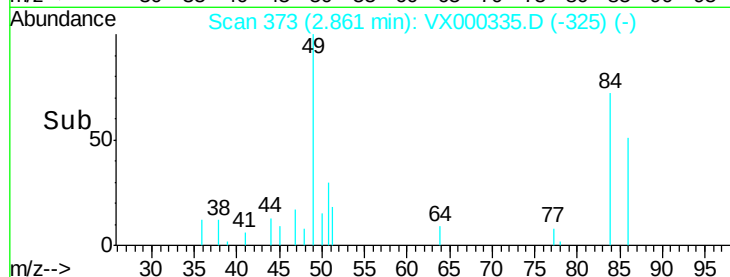
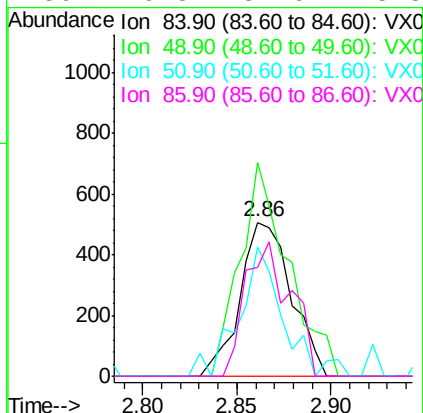
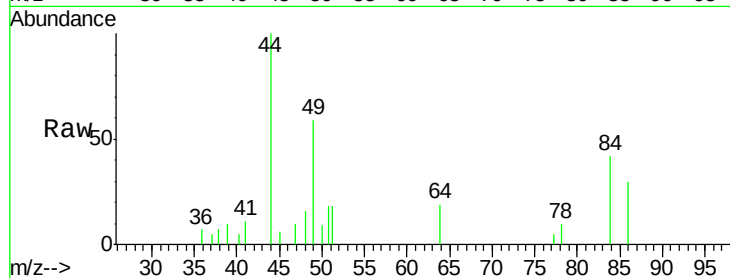




#20
Methylene Chloride
Concen: 0.49 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000335.D
Acq: 15 Mar 2018 18:01

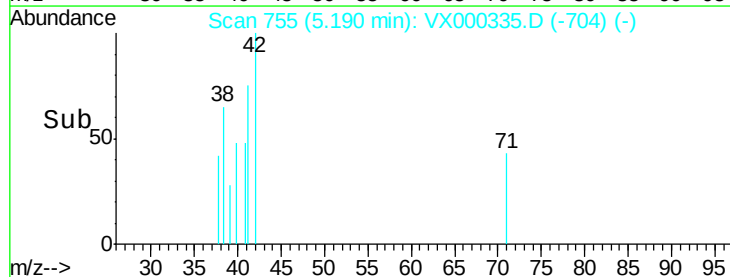
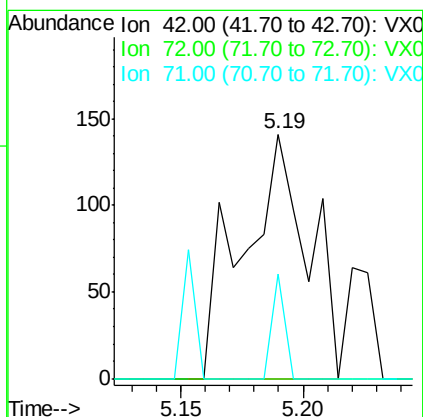
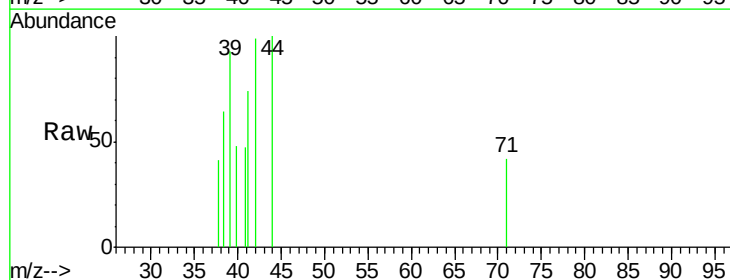
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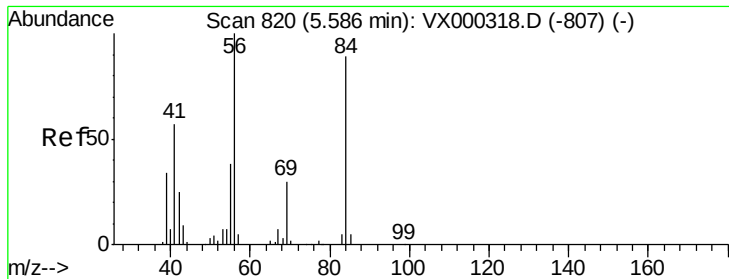
Tgt Ion: 84 Resp: 956
Ion Ratio Lower Upper
84 100
49 138.9 100.6 151.0
51 84.4 31.6 47.4#
86 70.8 52.6 78.8



#29
Tetrahydrofuran
Concen: 0.23 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX000335.D
Acq: 15 Mar 2018 18:01

Tgt Ion: 42 Resp: 264
Ion Ratio Lower Upper
42 100
72 0.0 37.9 56.9#
71 8.3 34.4 51.6#

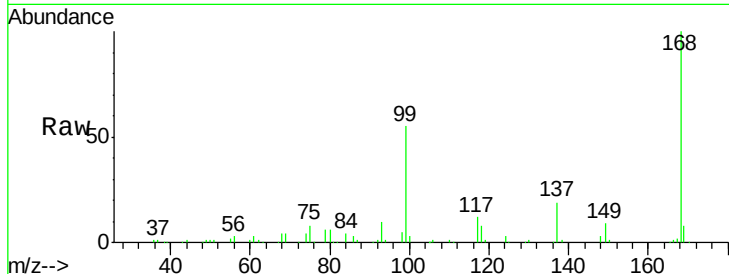




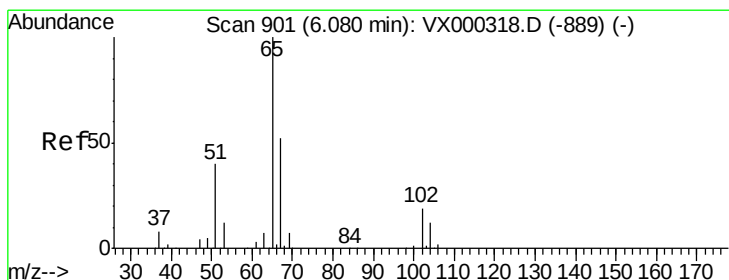
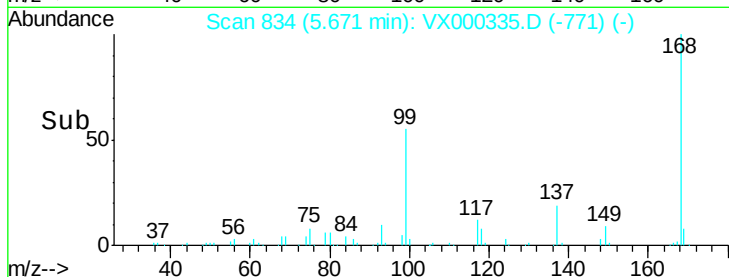
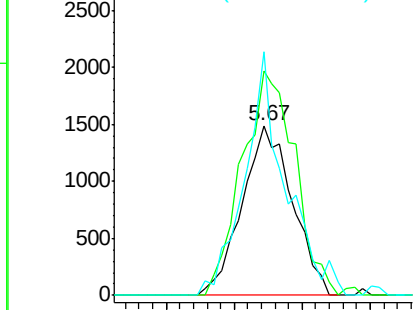
#31
Cyclohexane
Concen: 1.49 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX000335.D
Acq: 15 Mar 2018 18:01

Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-72-11939

Tgt Ion: 56 Resp: 3841
Ion Ratio Lower Upper
56 100
69 132.7 23.4 35.0#
84 143.8 71.0 106.4#

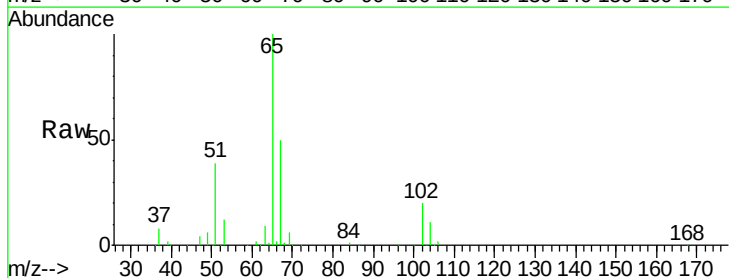


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

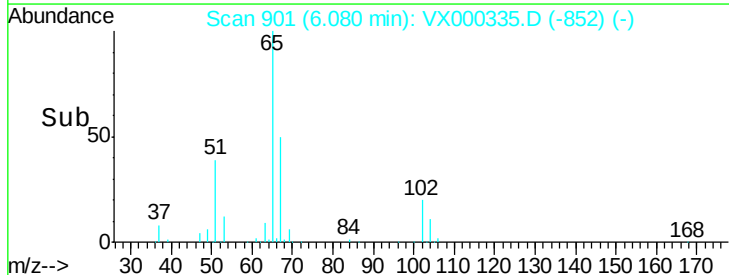
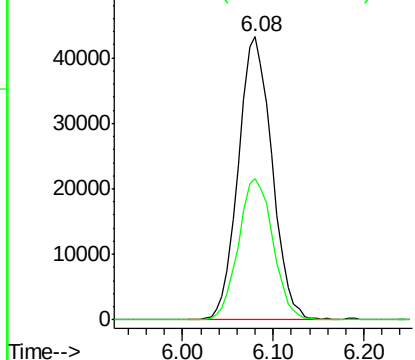


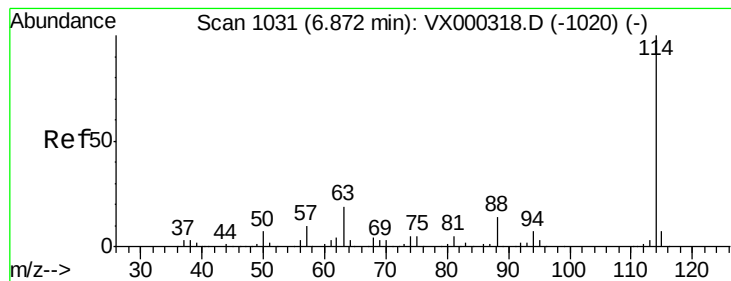
#33
1,2-Dichloroethane-d4
Concen: 48.95 ug/l
RT: 6.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VX000335.D
Acq: 15 Mar 2018 18:01

Tgt Ion: 65 Resp: 111378
Ion Ratio Lower Upper
65 100
67 51.0 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: VX000335.D

Acq: 15 Mar 2018 18:01

Instrument :

MSVOA_X

ClientSampleId :

OILY-SOIL-72-11939

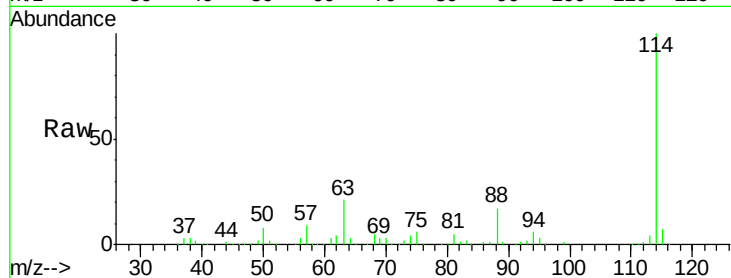
Tgt Ion:114 Resp: 276547

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.4

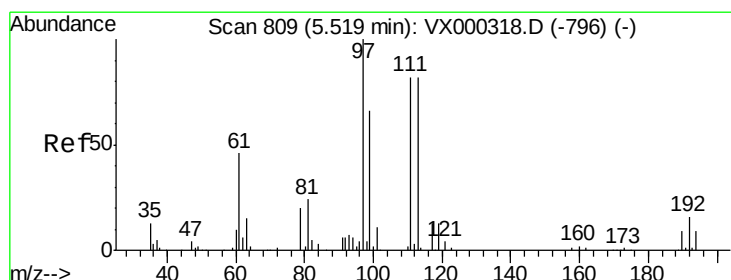
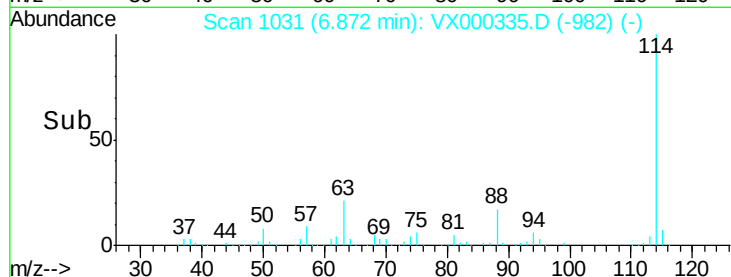
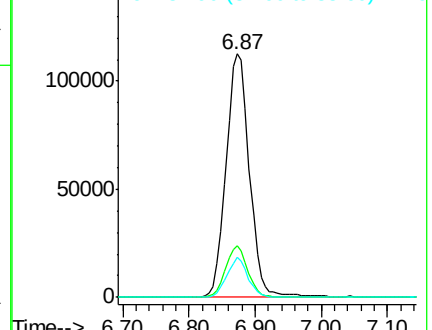
88 16.6 0.0 27.0



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: 49.11 ug/l

RT: 5.52 min Scan# 809

Delta R.T. -0.00 min

Lab File: VX000335.D

Acq: 15 Mar 2018 18:01

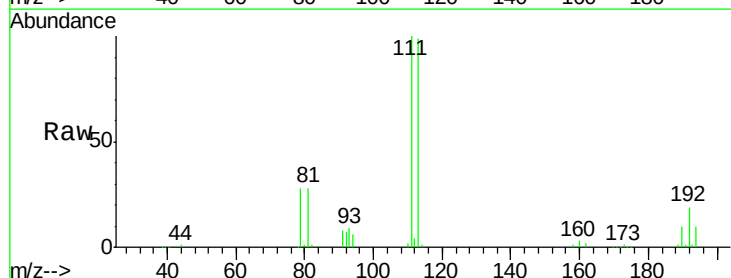
Tgt Ion:113 Resp: 85695

Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

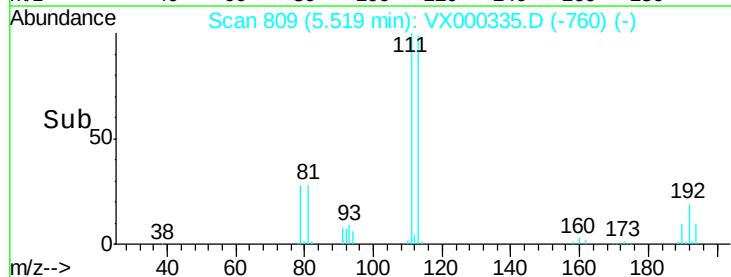
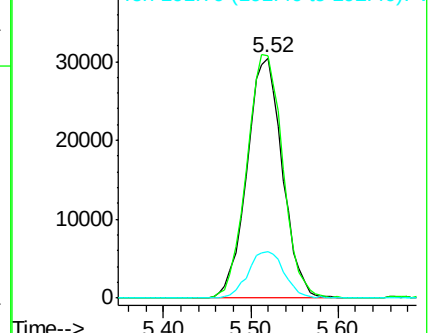
192 20.0 15.8 23.6

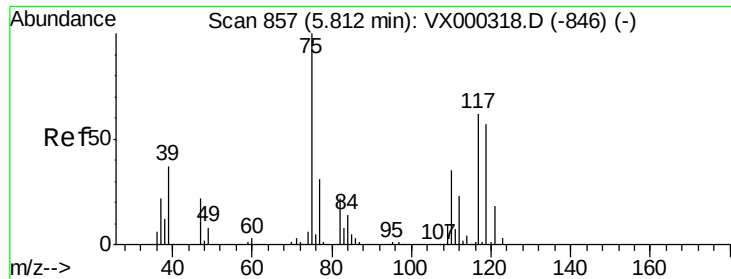


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

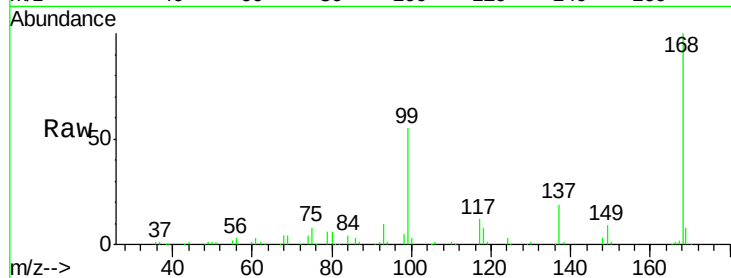




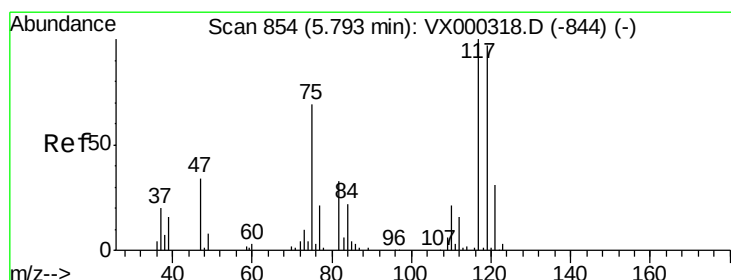
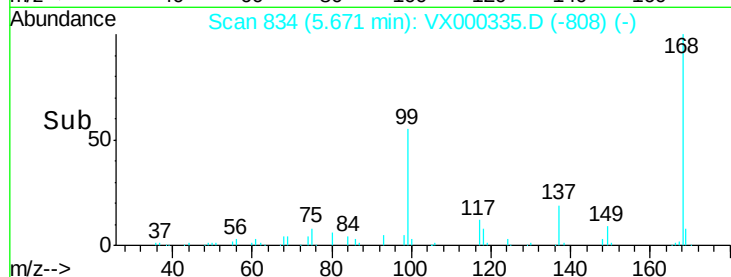
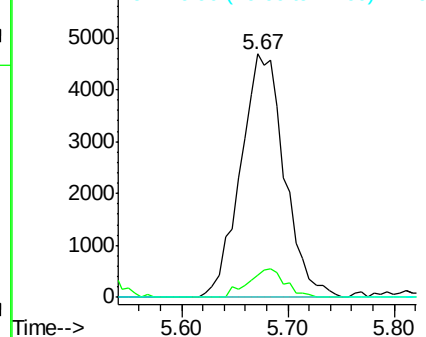
#36
 1,1-Dichloropropene
 Concen: 5.39 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000335.D
 Acq: 15 Mar 2018 18:01

Instrument :
 MSVOA_X
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 OILY-SOIL-72-11939

Tgt Ion: 75 Resp: 13536
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.9 53.7#
 77 0.0 24.0 36.0#

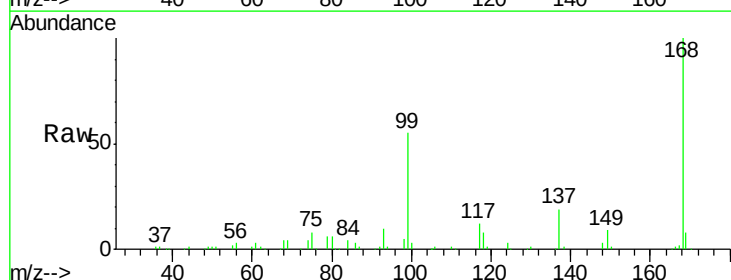


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

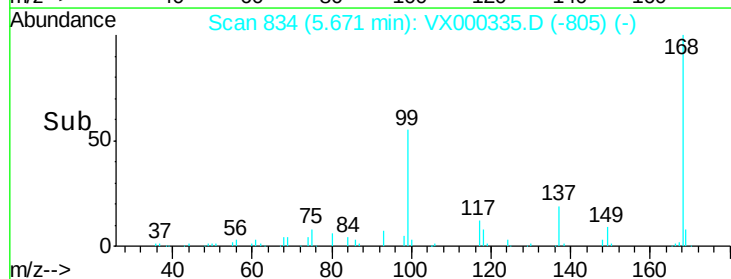
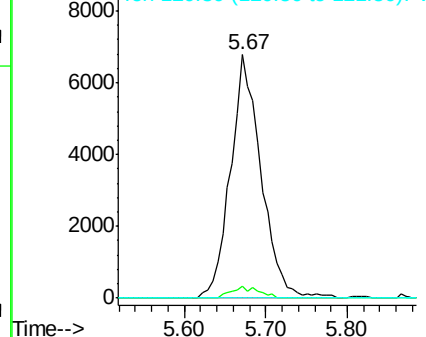


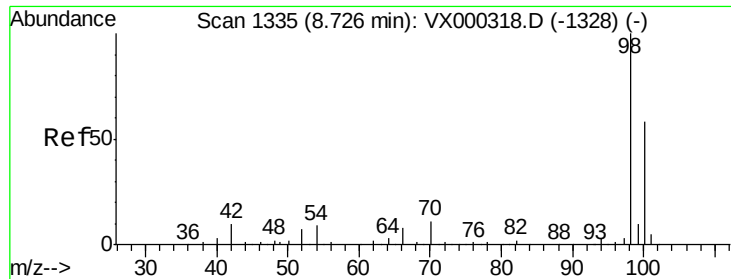
#38
 Carbon Tetrachloride
 Concen: 6.94 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000335.D
 Acq: 15 Mar 2018 18:01

Tgt Ion: 117 Resp: 17573
 Ion Ratio Lower Upper
 117 100
 119 4.7 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

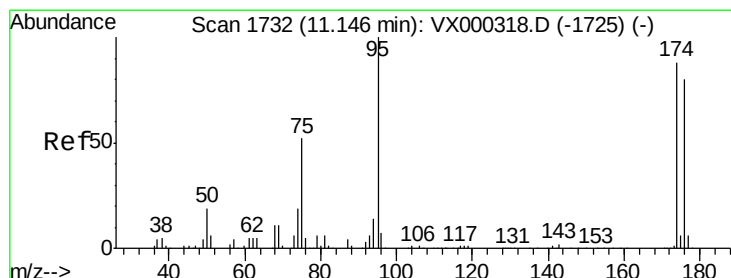
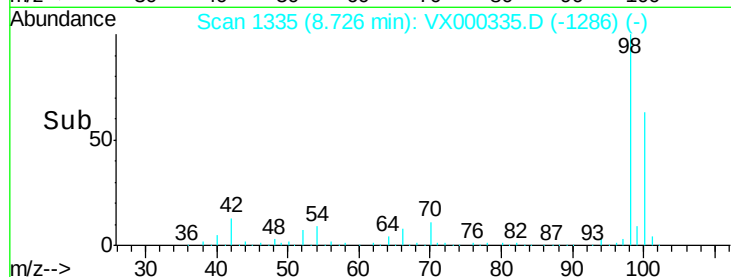
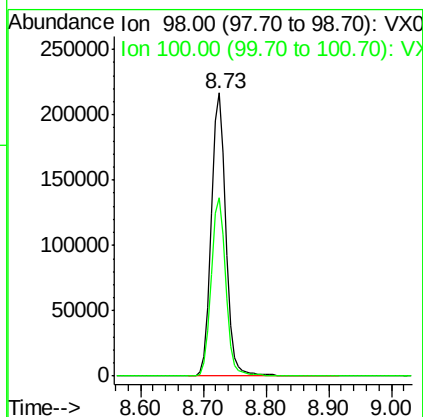
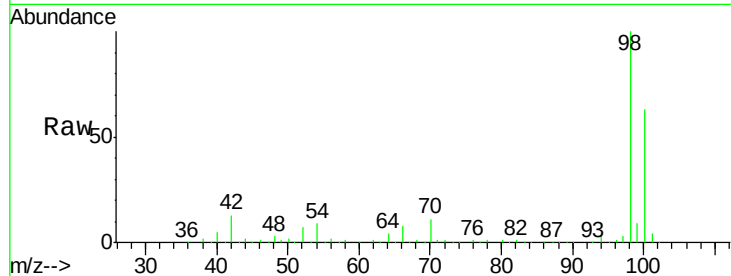




#50
Toluene-d8
Concen: 48.03 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000335.D
Acq: 15 Mar 2018 18:01

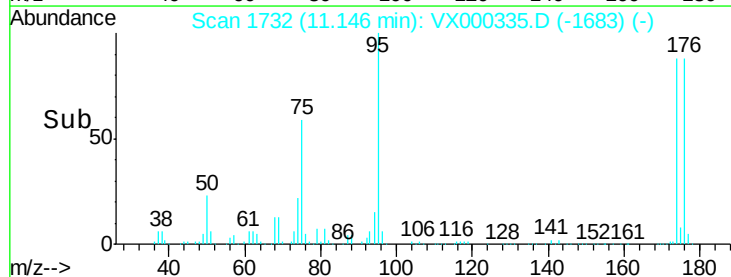
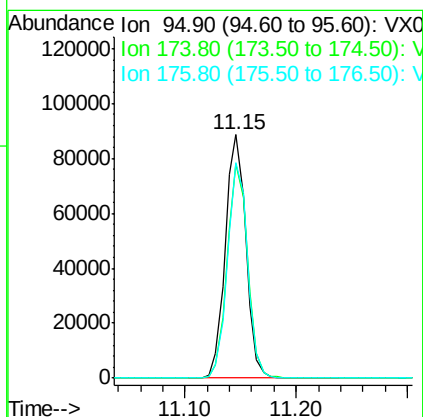
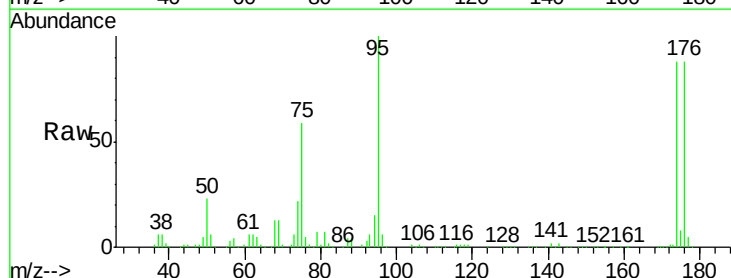
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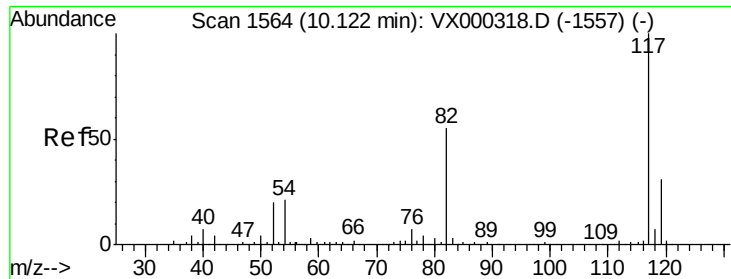
Tgt Ion: 98 Resp: 349585
Ion Ratio Lower Upper
98 100
100 62.9 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 38.84 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000335.D
Acq: 15 Mar 2018 18:01

Tgt Ion: 95 Resp: 113362
Ion Ratio Lower Upper
95 100
174 87.6 0.0 173.6
176 86.7 0.0 164.6

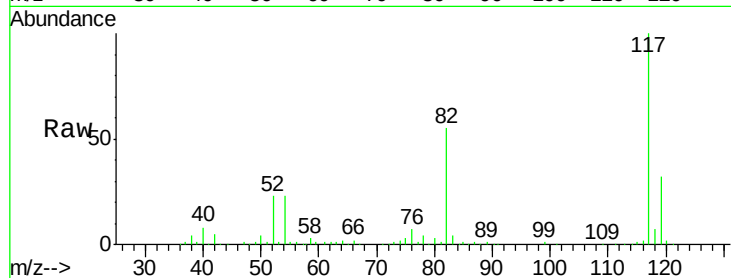




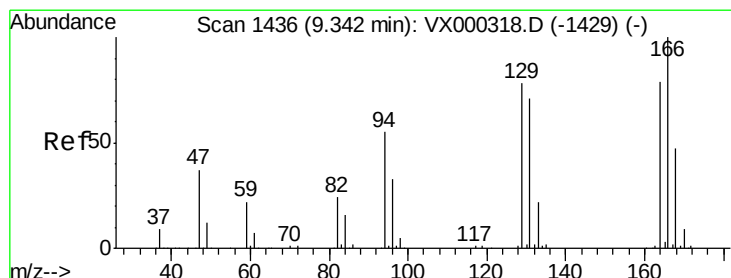
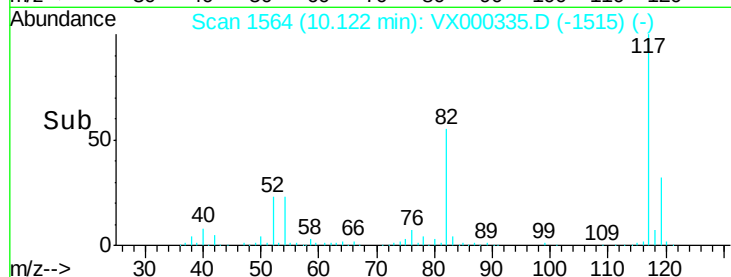
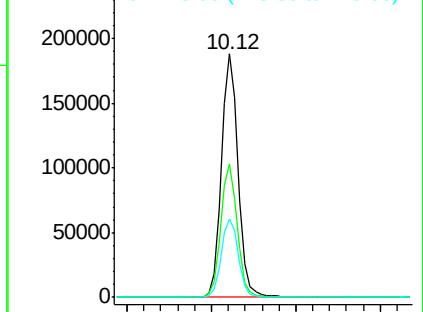
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000335.D
Acq: 15 Mar 2018 18:01

Instrument :
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ClientSampleId :
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Tgt Ion:117 Resp: 257259
Ion Ratio Lower Upper
117 100
82 54.7 43.8 65.8
119 32.5 24.9 37.3

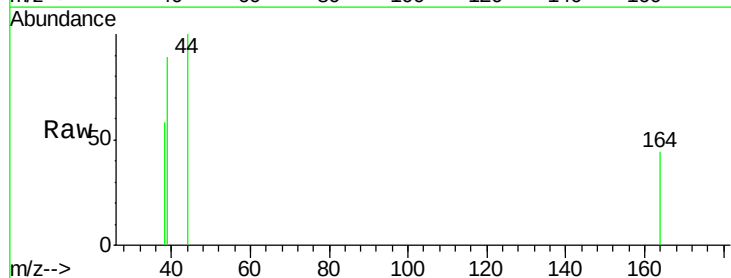


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

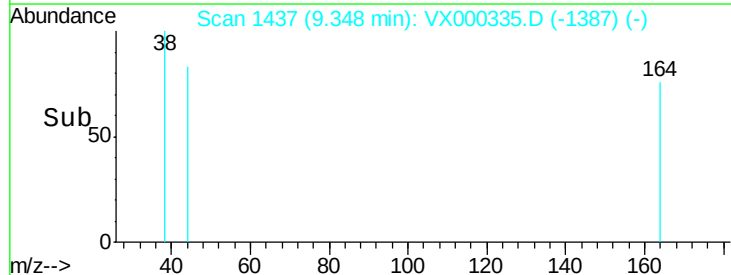
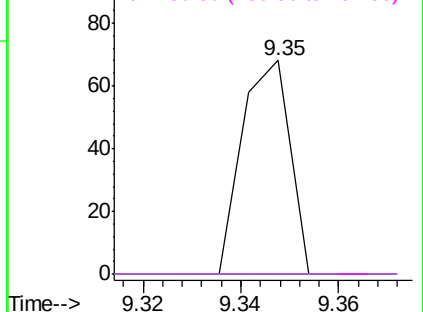


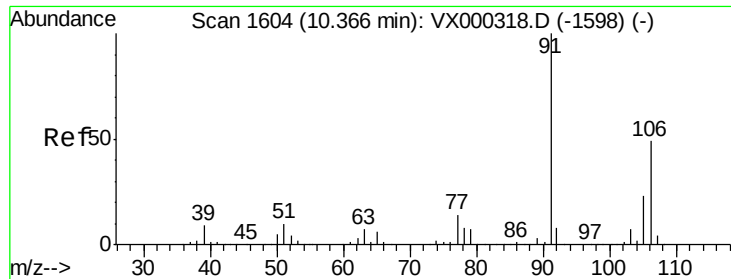
#64
Tetrachloroethene
Concen: Below Cal
RT: 9.35 min Scan# 1437
Delta R.T. 0.01 min
Lab File: VX000335.D
Acq: 15 Mar 2018 18:01

Tgt Ion:164 Resp: 46
Ion Ratio Lower Upper
164 100
166 0.0 101.0 151.6#
129 0.0 79.0 118.4#
131 0.0 71.9 107.9#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

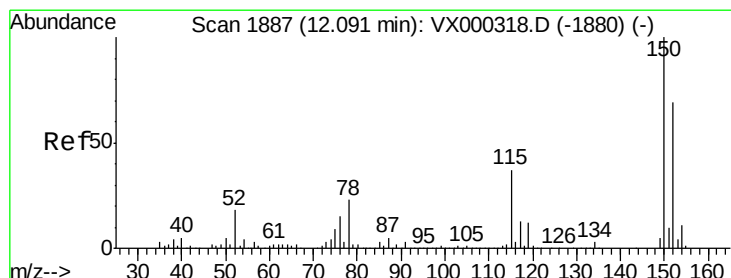
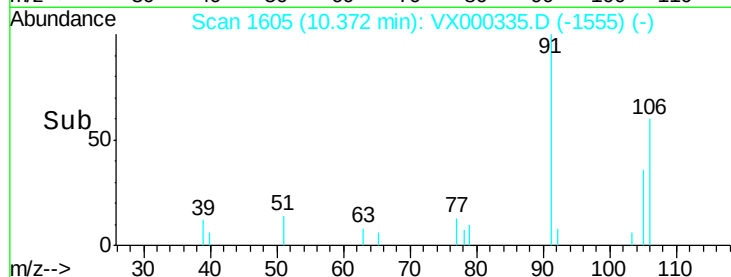
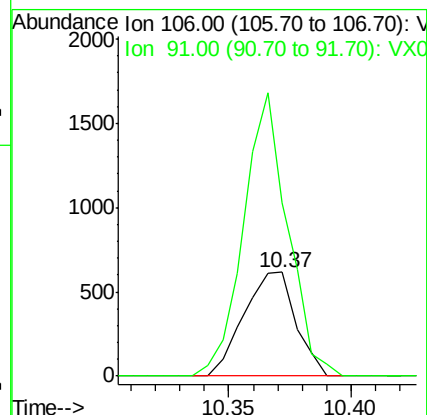
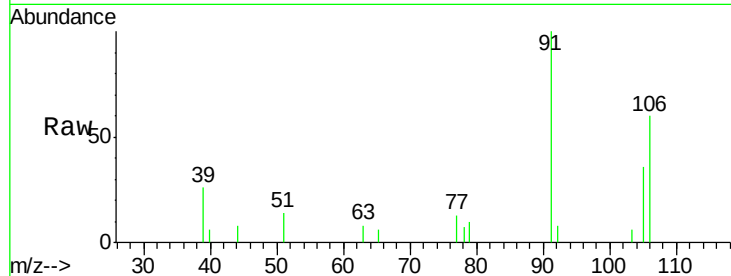




#68
m/p-Xylenes
Concen: 0.26 ug/l
RT: 10.37 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VX000335.D
Acq: 15 Mar 2018 18:01

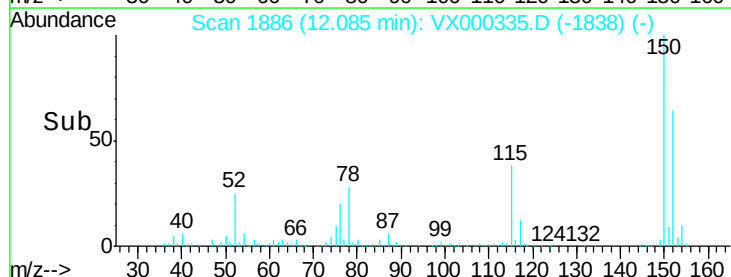
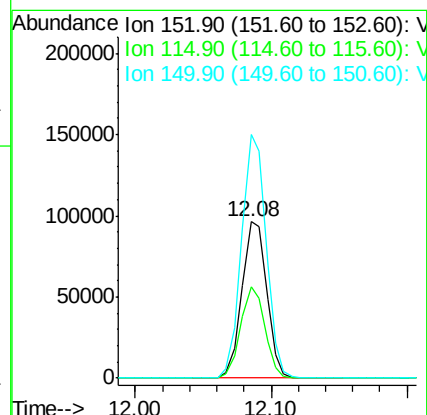
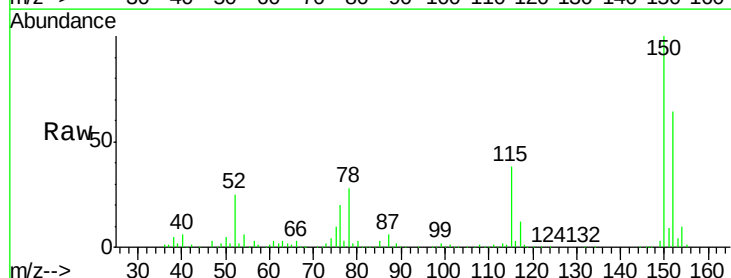
Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-72-11939

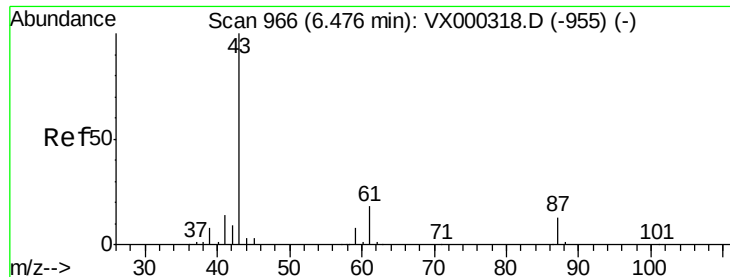
Tgt Ion:106 Resp: 912
Ion Ratio Lower Upper
106 100
91 231.9 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000335.D
Acq: 15 Mar 2018 18:01

Tgt Ion:152 Resp: 122325
Ion Ratio Lower Upper
152 100
115 57.1 39.8 119.3
150 154.5 0.0 344.4





#74

N-amyI acetate

Concen: 0.24 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000335.D

Acq: 15 Mar 2018 18:01

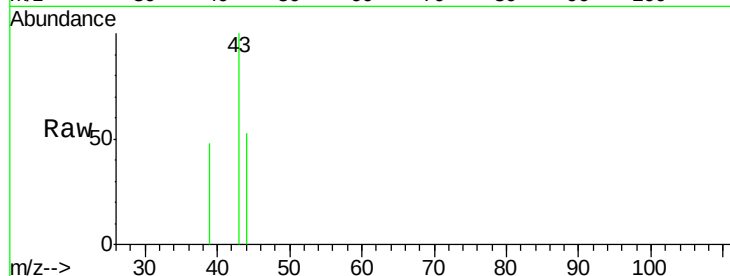
Instrument :

MSVOA_X

ClientSampleId :

OILY-SOIL-72-11939

Tgt Ion:	43	Resp:	833
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	3.1	14.4	21.6#

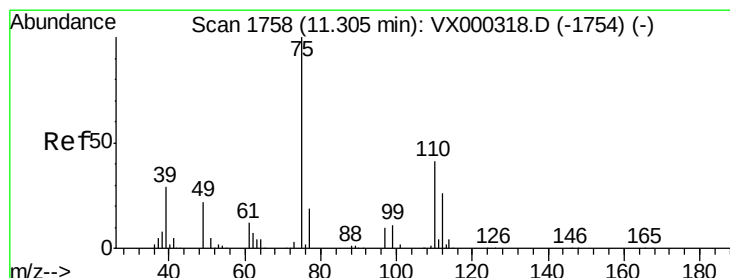
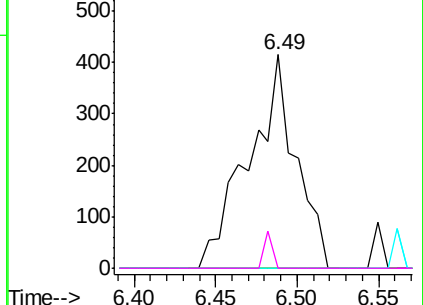
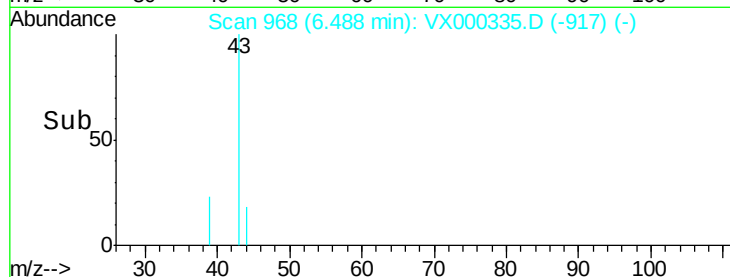


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 29.04 ug/l

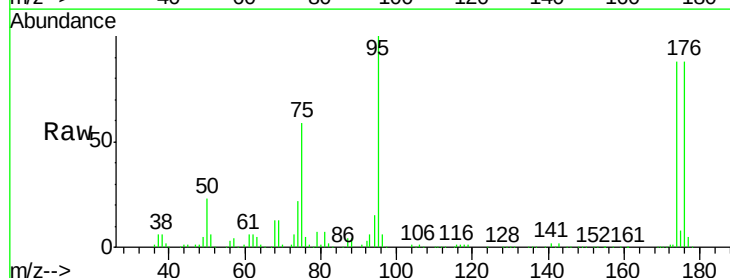
RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000335.D

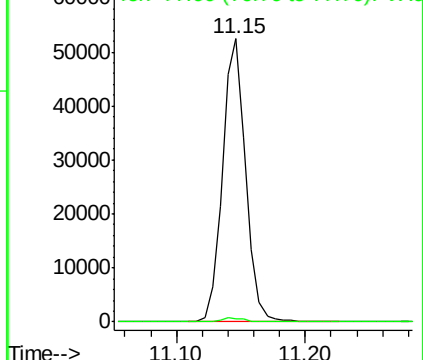
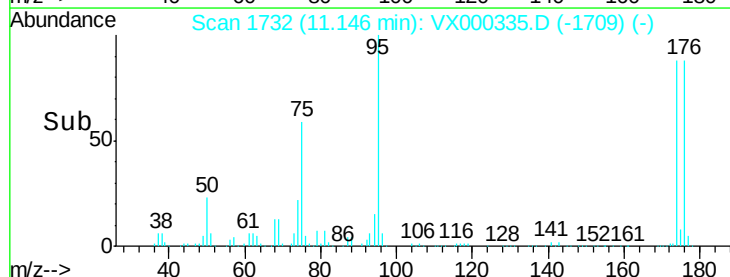
Acq: 15 Mar 2018 18:01

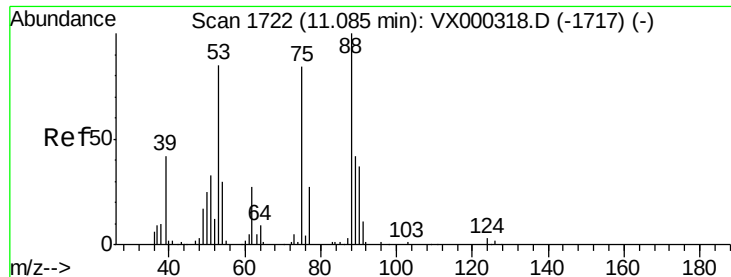
Tgt Ion:	75	Resp:	66096
Ion	Ratio	Lower	Upper
75	100		
77	1.3	21.4	64.2#



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: 79.98 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000335.D

Acq: 15 Mar 2018 18:01

Instrument :

MSVOA_X

ClientSampleId :

OILY-SOIL-72-11939

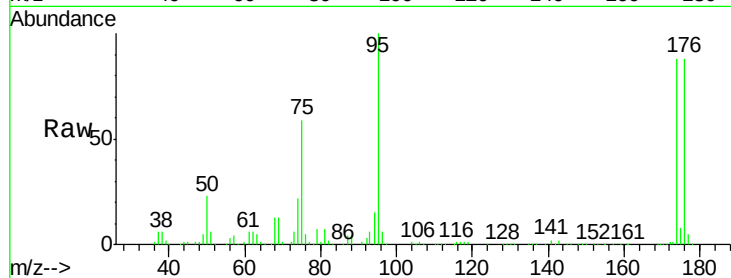
Tgt Ion: 75 Resp: 66096

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

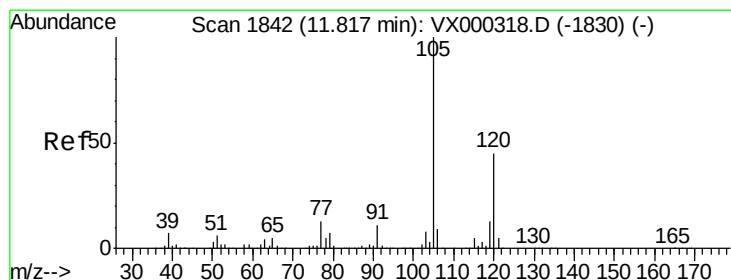
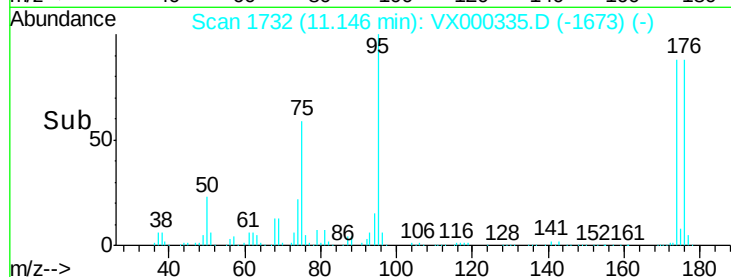
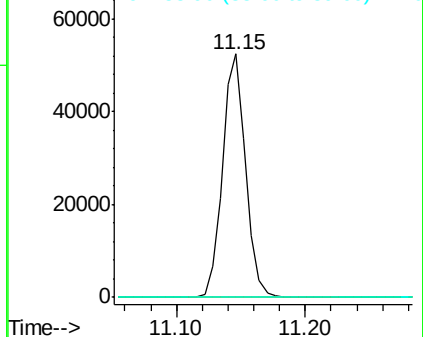
89 0.1 39.4 59.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.24 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000335.D

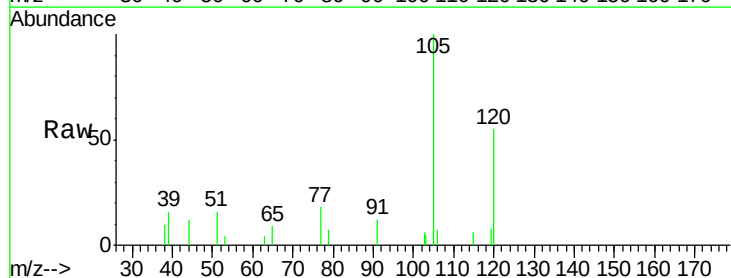
Acq: 15 Mar 2018 18:01

Tgt Ion: 105 Resp: 1544

Ion Ratio Lower Upper

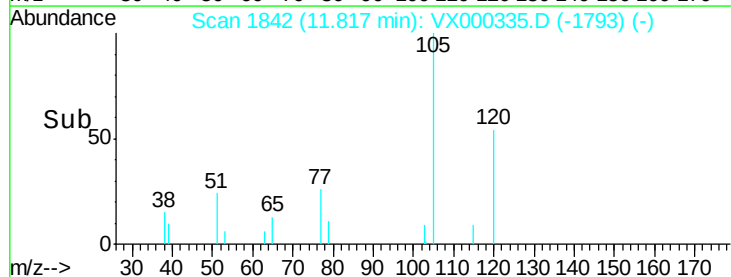
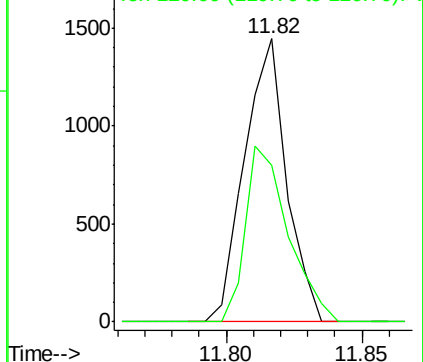
105 100

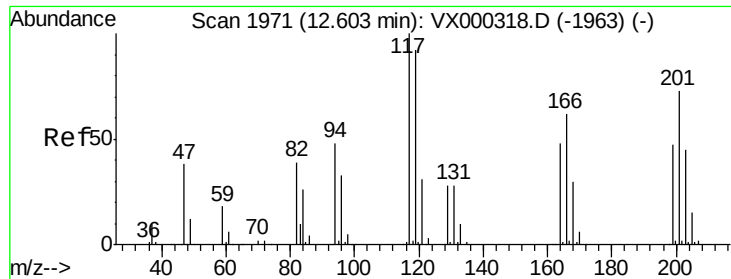
120 63.3 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 5.17 ug/l

RT: 12.48 min Scan# 1950

Delta R.T. -0.13 min

Lab File: VX000335.D

Acq: 15 Mar 2018 18:01

Instrument :

MSVOA_X

ClientSampleId :

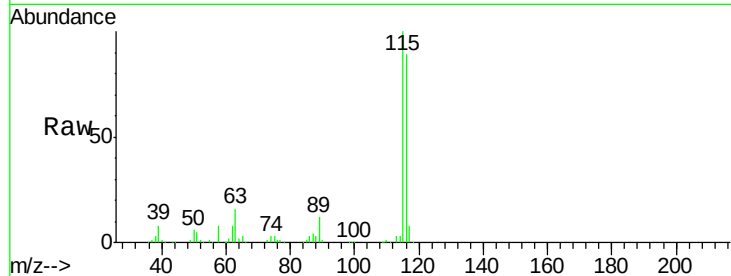
OILY-SOIL-72-11939

Tgt Ion: 117 Resp: 5659

Ion Ratio Lower Upper

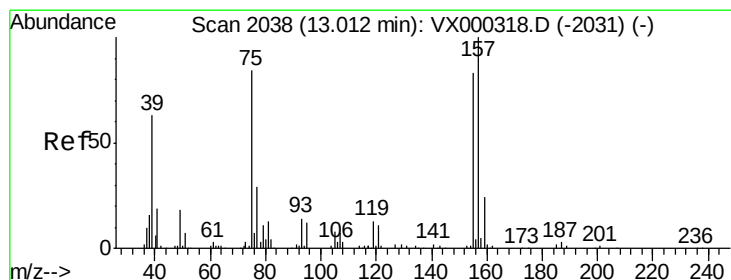
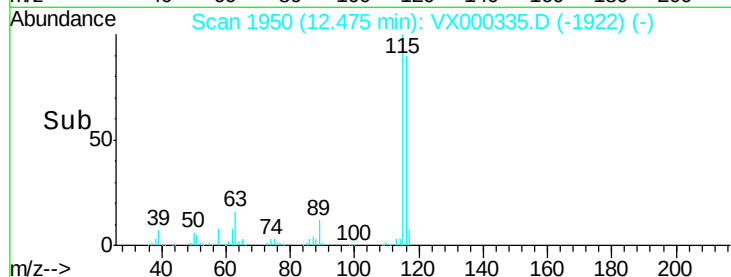
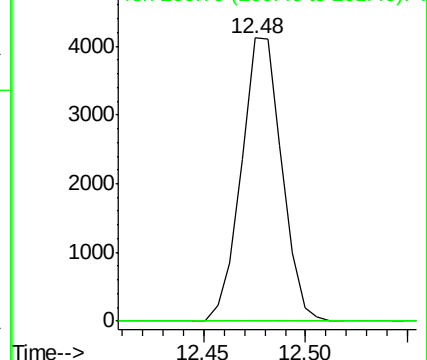
117 100

201 0.0 37.9 113.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.28 ug/l

RT: 13.02 min Scan# 2040

Delta R.T. 0.01 min

Lab File: VX000335.D

Acq: 15 Mar 2018 18:01

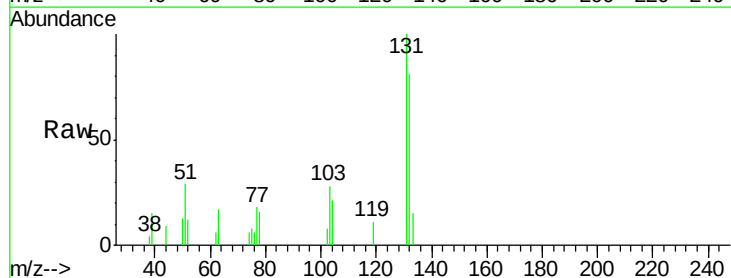
Tgt Ion: 75 Resp: 197

Ion Ratio Lower Upper

75 100

155 0.0 45.0 134.8#

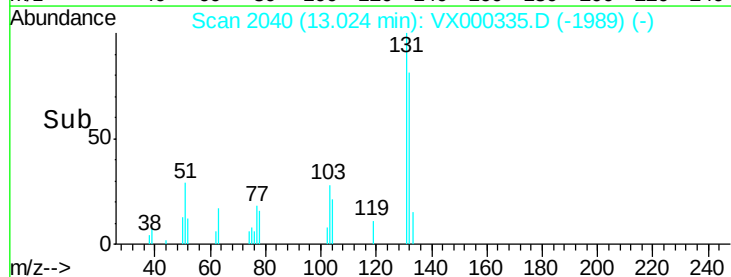
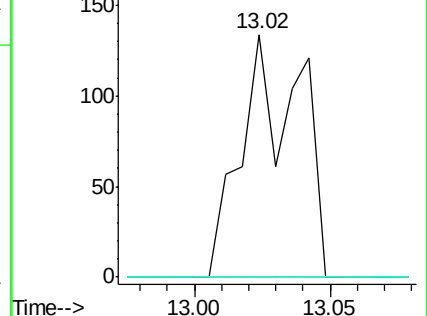
157 0.0 58.1 174.2#

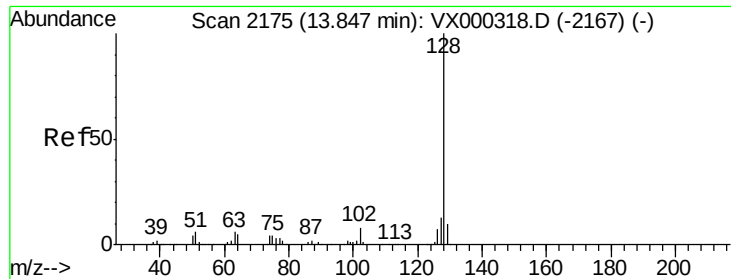


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

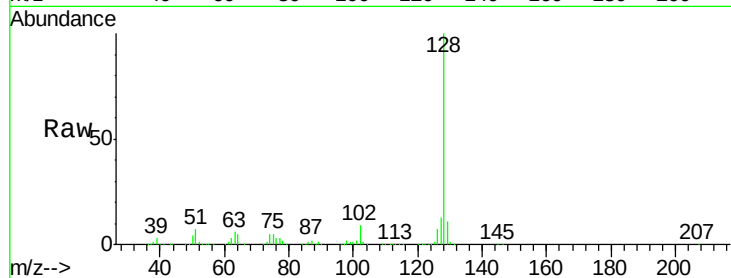




#95
Naphthalene
Concen: 104.12 ug/l
RT: 13.85 min Scan# 2175
Delta R.T. -0.00 min
Lab File: VX000335.D
Acq: 15 Mar 2018 18:01

Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-72-11939

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.8	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

