

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX031518\
 Data File : VX000331.D
 Acq On : 15 Mar 2018 16:19
 Operator : JC/MD
 Sample : J1926-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-DEBRIS-RBR200032

Quant Time: Mar 16 02:40:40 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	102977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	170626	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	159628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	76126	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	67370	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
35) Dibromofluoromethane	5.52	113	51974	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
50) Toluene-d8	8.73	98	211364	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
62) 4-Bromofluorobenzene	11.15	95	70415	39.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.20%	

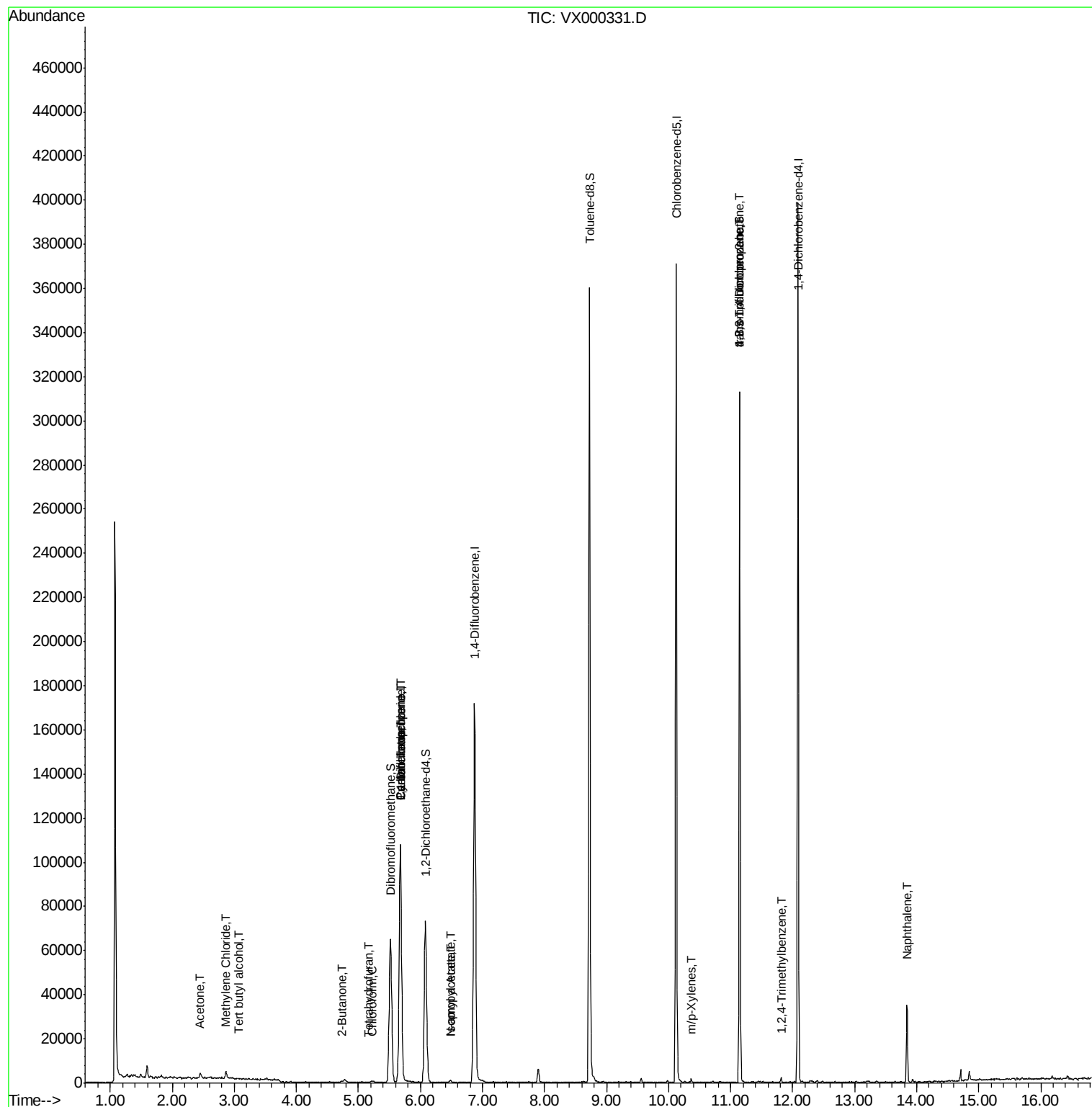
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	359	0.78	ug/l #	72
16) Acetone	2.45	43	2604	2.74	ug/l	97
20) Methylene Chloride	2.87	84	1073	0.87	ug/l	90
25) 2-Butanone	4.73	43	506	0.45	ug/l #	49
29) Tetrahydrofuran	5.17	42	153	0.21	ug/l #	31
30) Chloroform	5.22	83	581	0.29	ug/l #	78
31) Cyclohexane	5.68	56	2454	1.52	ug/l #	4
36) 1,1-Dichloropropene	5.68	75	8250	5.32	ug/l #	51
38) Carbon Tetrachloride	5.68	117	9934	6.36	ug/l #	18
43) Isopropyl Acetate	6.49	43	1355	0.46	ug/l #	77
64) Tetrachloroethene	9.35	164	20	Below Cal	#	1
68) m/p-Xylenes	10.37	106	488	0.23	ug/l	73
74) N-amyl acetate	6.49	43	1355	0.62	ug/l #	79
76) 1,2,3-Trichloropropane	11.15	75	41514	29.33	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	41514	80.70	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	922	0.23	ug/l	99
95) Naphthalene	13.84	128	21552	3.77	ug/l	98

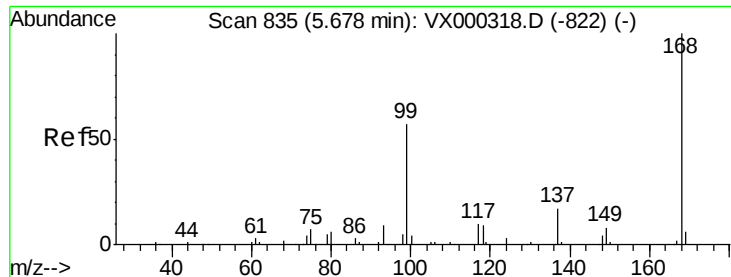
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 15 03:39:21 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000331.D

Acq: 15 Mar 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

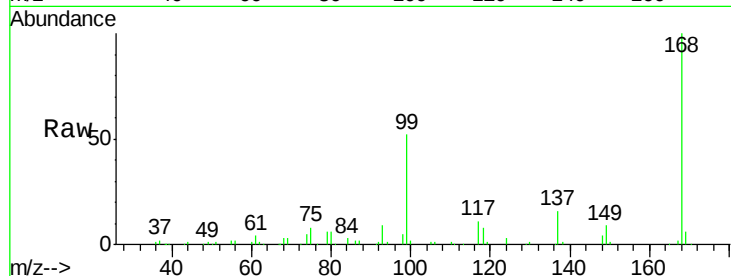
OILY-DEBRIS-RBR200032

Tgt Ion:168 Resp: 102977

Ion Ratio Lower Upper

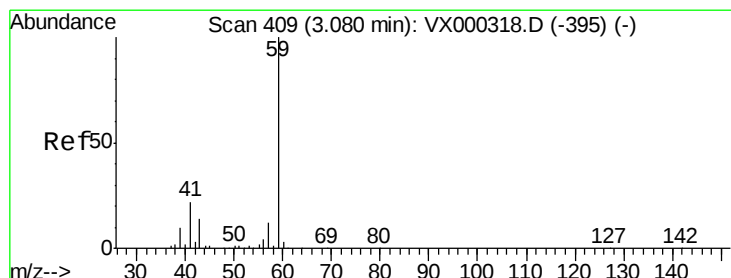
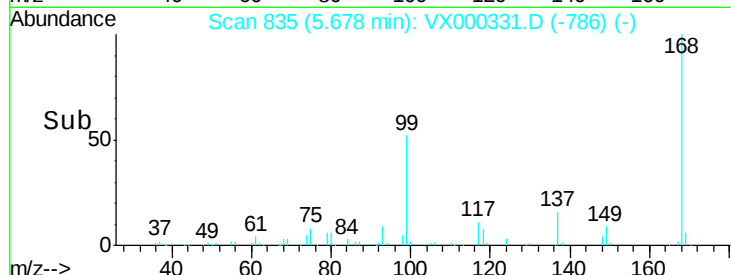
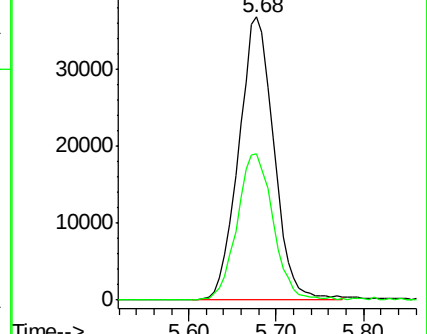
168 100

99 51.6 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: 0.78 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX000331.D

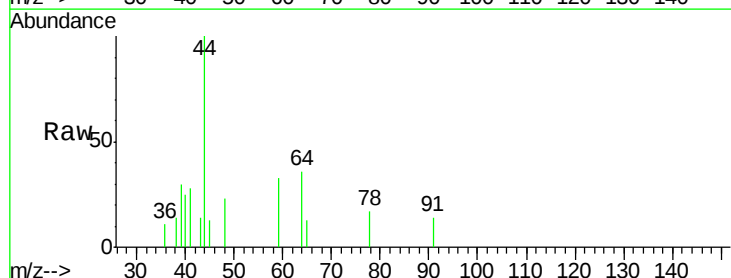
Acq: 15 Mar 2018 16:19

Tgt Ion: 59 Resp: 359

Ion Ratio Lower Upper

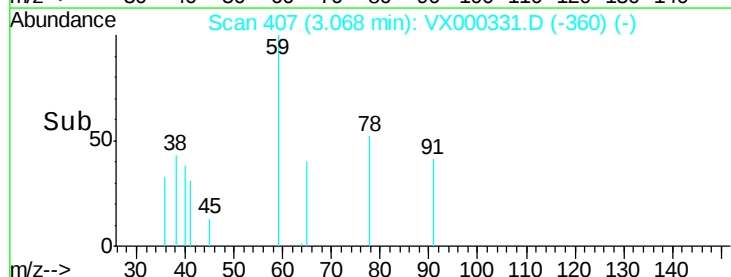
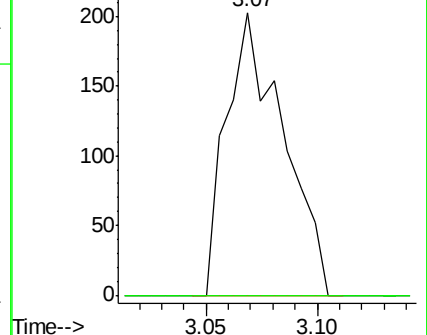
59 100

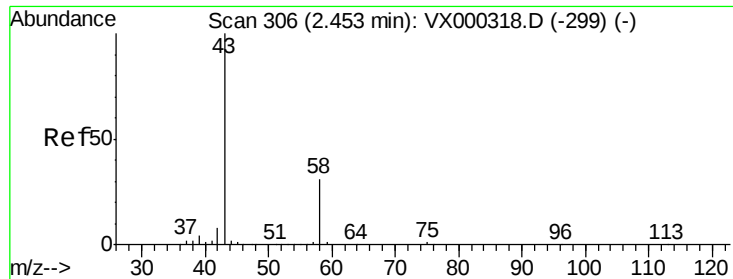
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.74 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000331.D

Acq: 15 Mar 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

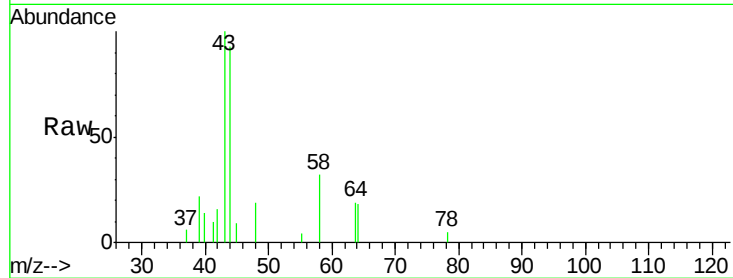
OILY-DEBRIS-RBR200032

Tgt Ion: 43 Resp: 2604

Ion Ratio Lower Upper

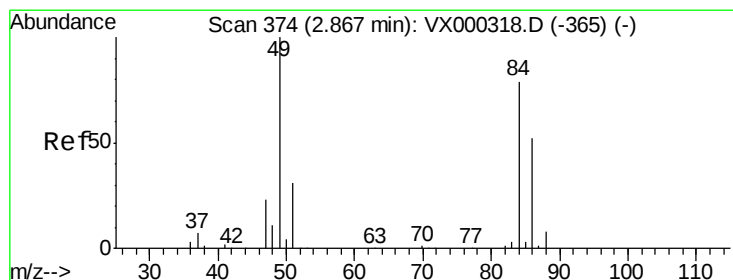
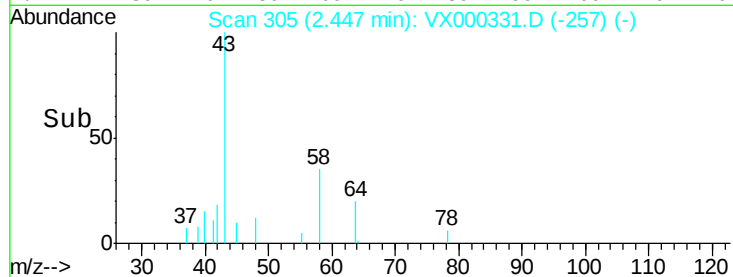
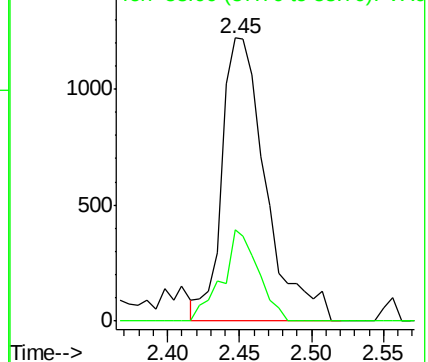
43 100

58 32.5 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: 0.87 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.00 min

Lab File: VX000331.D

Acq: 15 Mar 2018 16:19

Tgt Ion: 84 Resp: 1073

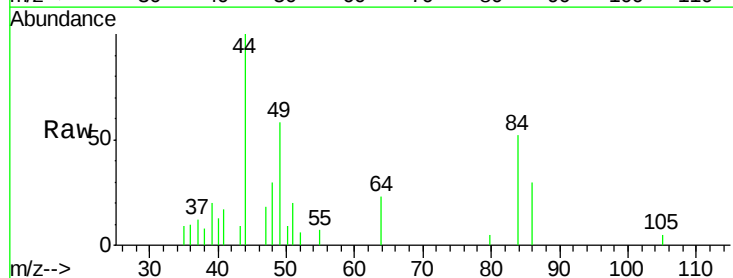
Ion Ratio Lower Upper

84 100

49 111.6 100.6 151.0

51 37.9 31.6 47.4

86 57.6 52.6 78.8

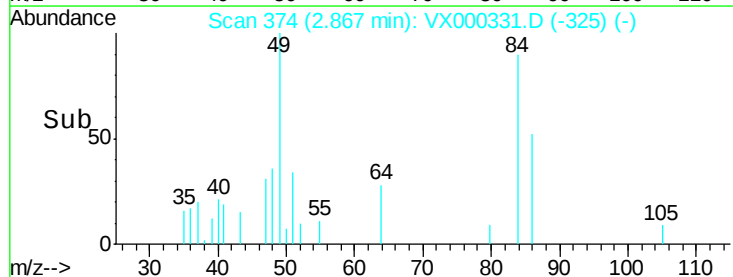
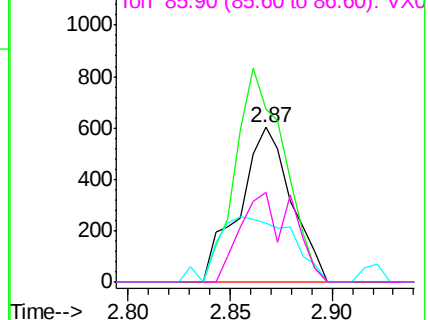


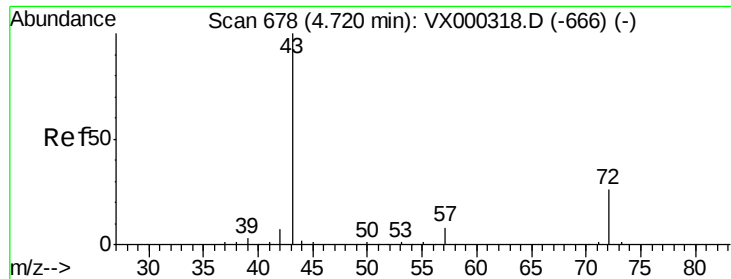
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.45 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000331.D

Acq: 15 Mar 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

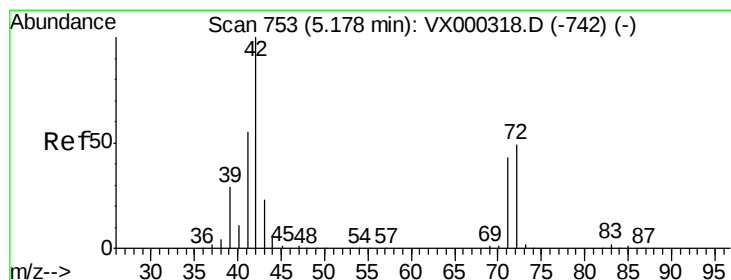
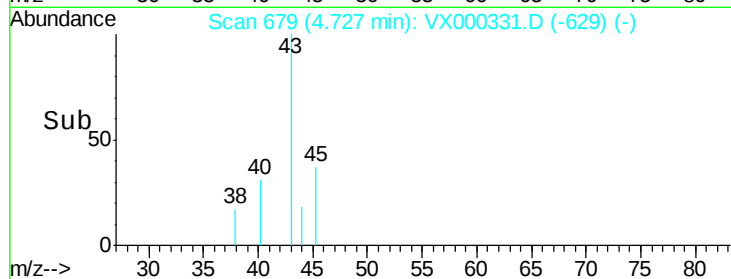
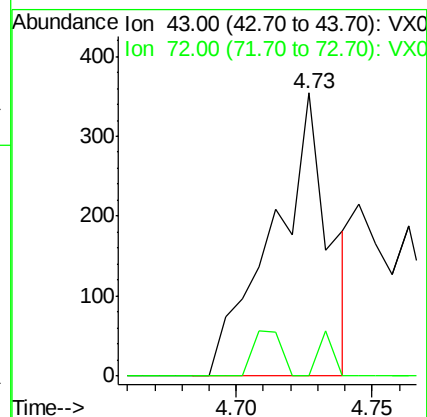
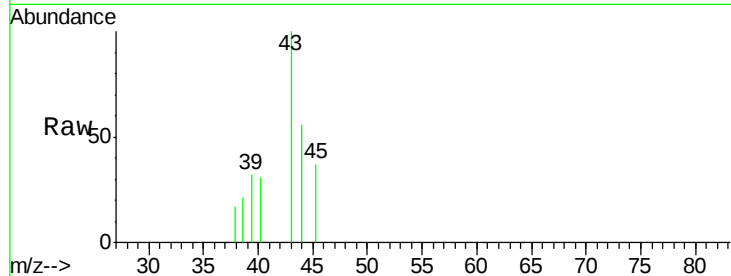
OILY-DEBRIS-RBR200032

Tgt Ion: 43 Resp: 506

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



#29

Tetrahydrofuran

Concen: 0.21 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX000331.D

Acq: 15 Mar 2018 16:19

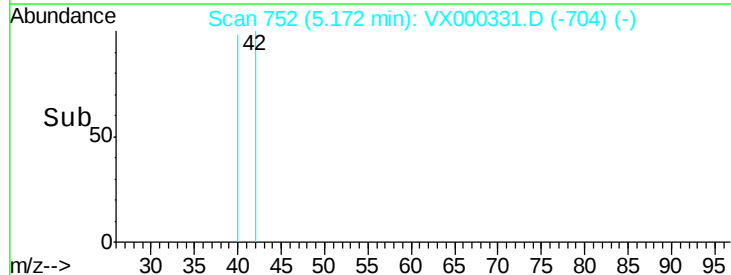
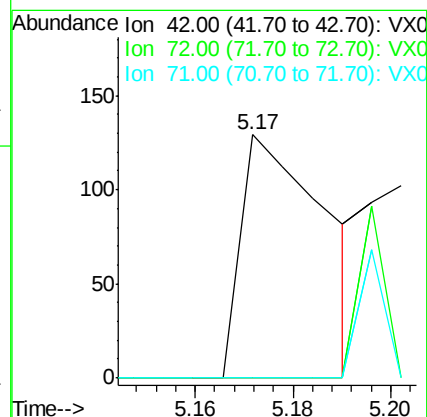
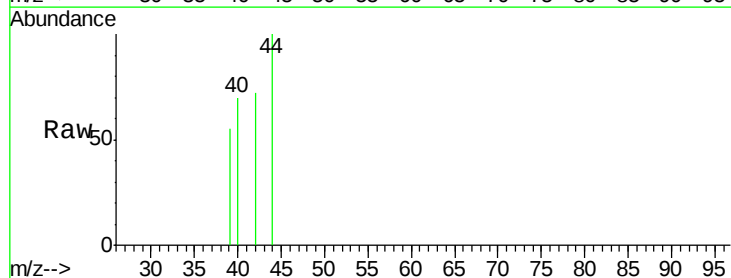
Tgt Ion: 42 Resp: 153

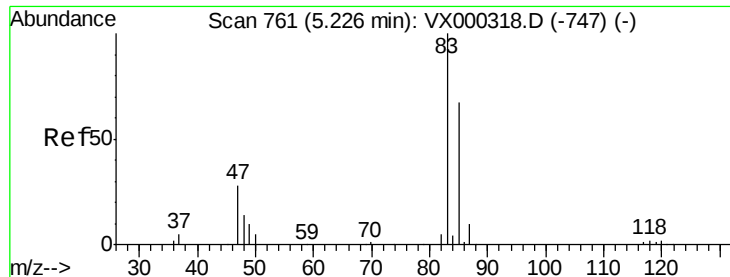
Ion Ratio Lower Upper

42 100

72 0.0 37.9 56.9#

71 0.0 34.4 51.6#





#30

Chloroform

Concen: 0.29 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX000331.D

Acq: 15 Mar 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

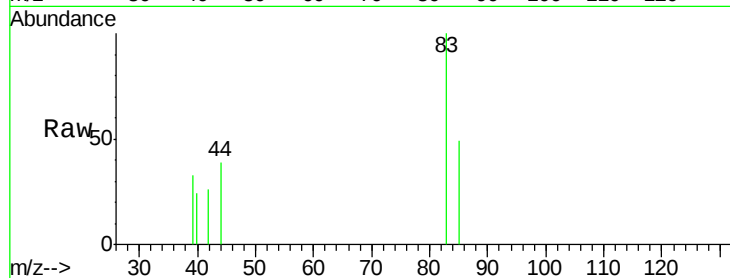
OILY-DEBRIS-RBR200032

Tgt Ion: 83 Resp: 581

Ion Ratio Lower Upper

83 100

85 49.0 53.3 79.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.22

400

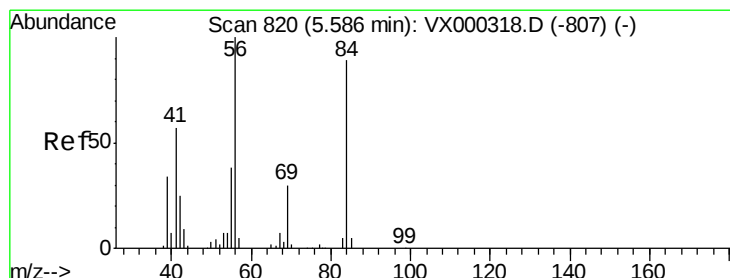
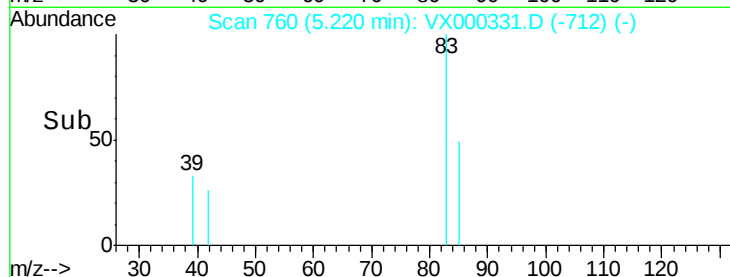
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.52 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000331.D

Acq: 15 Mar 2018 16:19

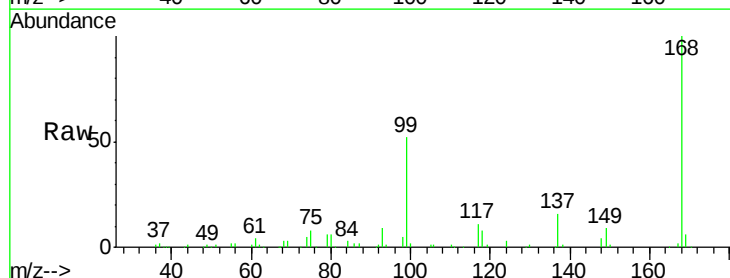
Tgt Ion: 56 Resp: 2454

Ion Ratio Lower Upper

56 100

69 147.4 23.4 35.0#

84 140.0 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

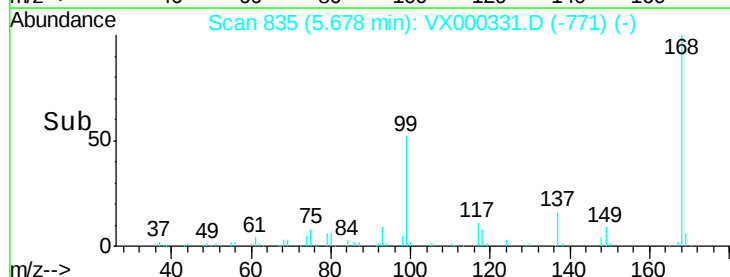
1500

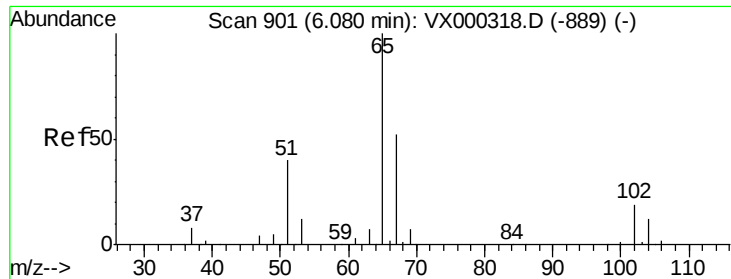
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 47.29 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000331.D

Acq: 15 Mar 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

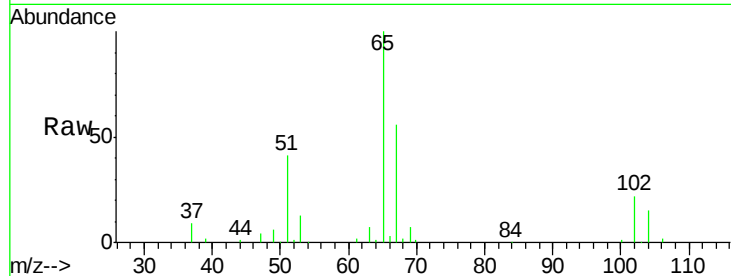
OILY-DEBRIS-RBR200032

Tgt Ion: 65 Resp: 67370

Ion Ratio Lower Upper

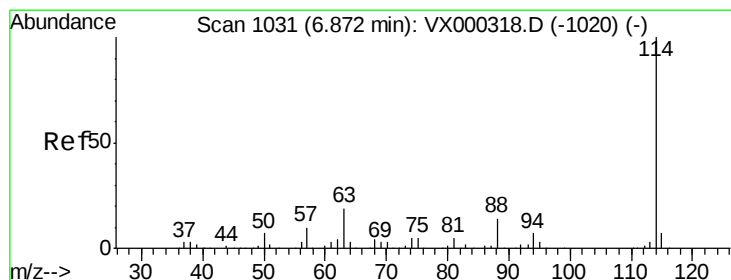
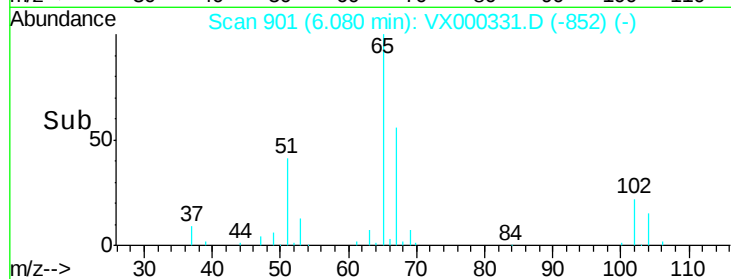
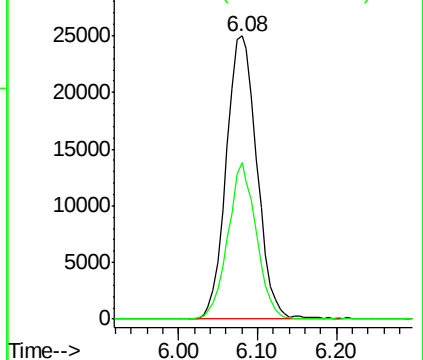
65 100

67 51.2 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: VX000331.D

Acq: 15 Mar 2018 16:19

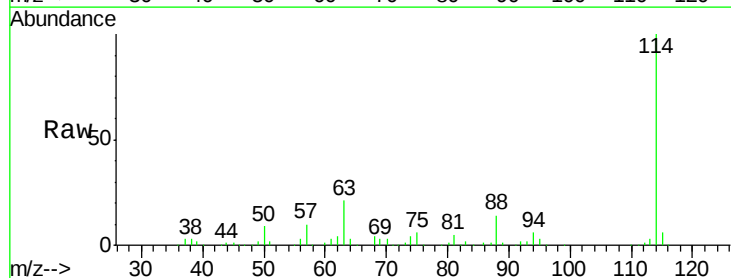
Tgt Ion: 114 Resp: 170626

Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.4

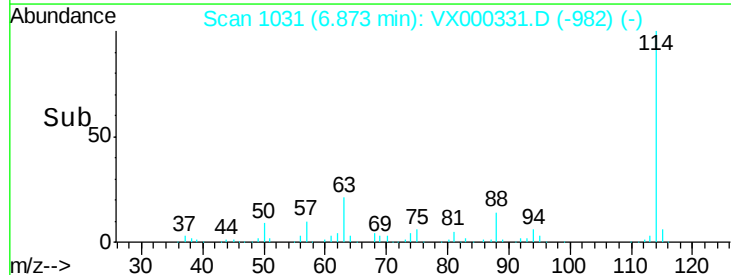
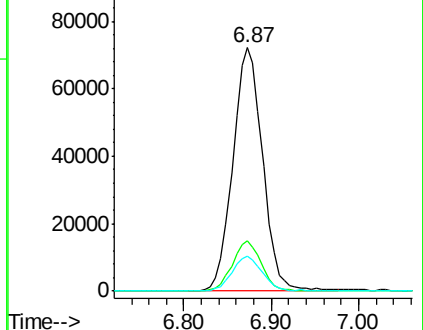
88 14.4 0.0 27.0

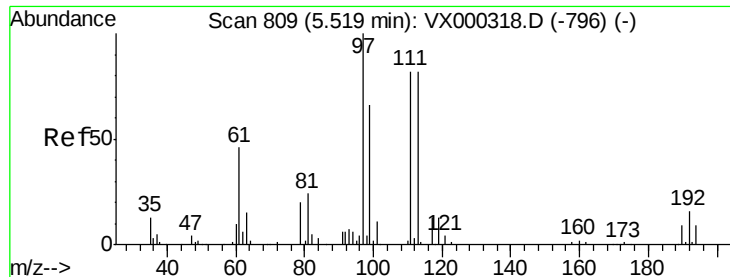


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

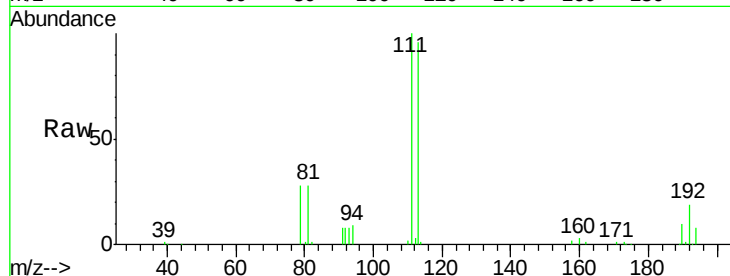




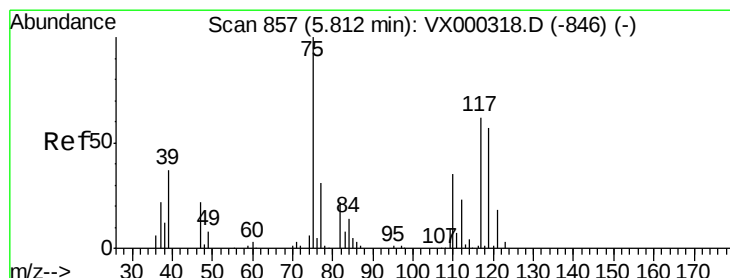
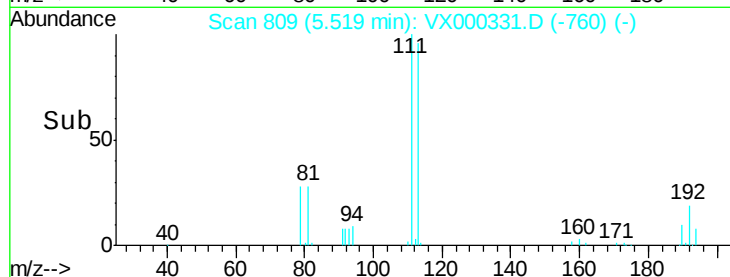
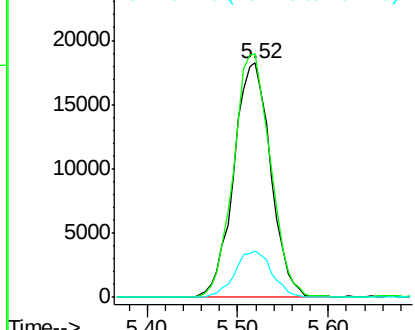
#35
 Dibromofluoromethane
 Concen: 48.28 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: VX000331.D
 Acq: 15 Mar 2018 16:19

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-DEBRIS-RBR200032

Tgt Ion:113 Resp: 51974
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.4 123.6
 192 19.8 15.8 23.6

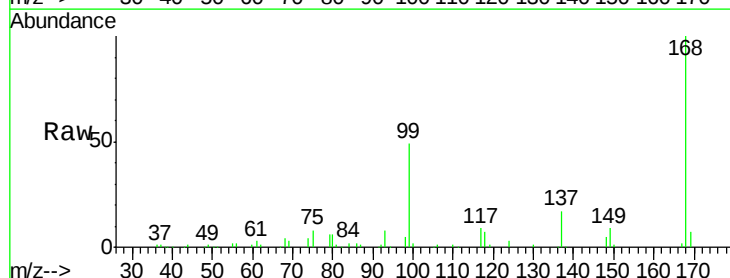


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

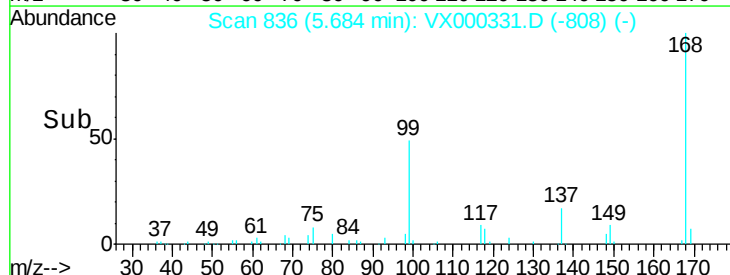
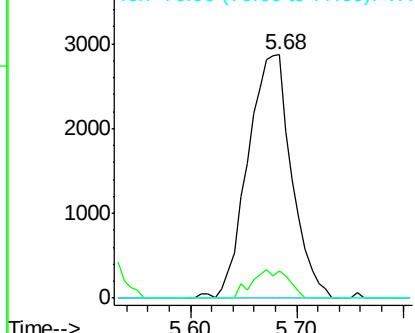


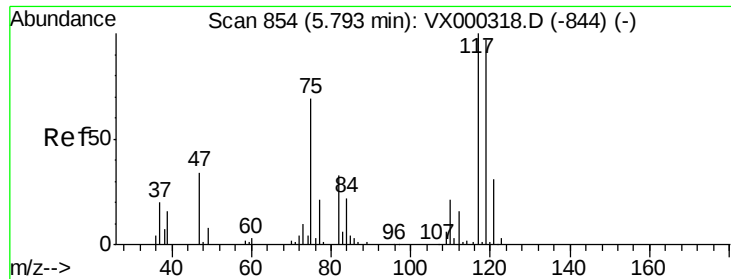
#36
 1,1-Dichloropropene
 Concen: 5.32 ug/l
 RT: 5.68 min Scan# 836
 Delta R.T. -0.13 min
 Lab File: VX000331.D
 Acq: 15 Mar 2018 16:19

Tgt Ion: 75 Resp: 8250
 Ion Ratio Lower Upper
 75 100
 110 9.8 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

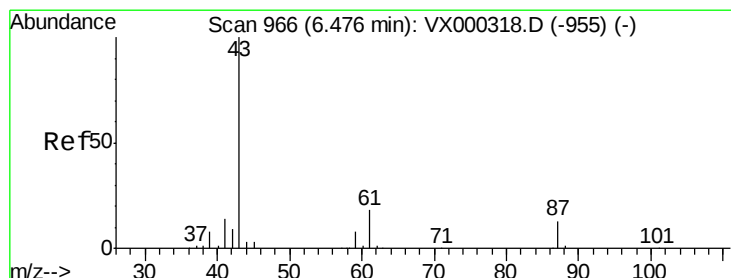
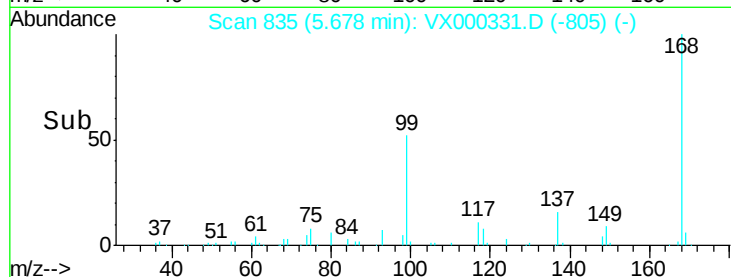
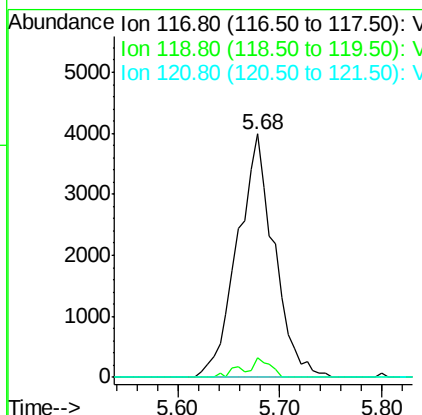
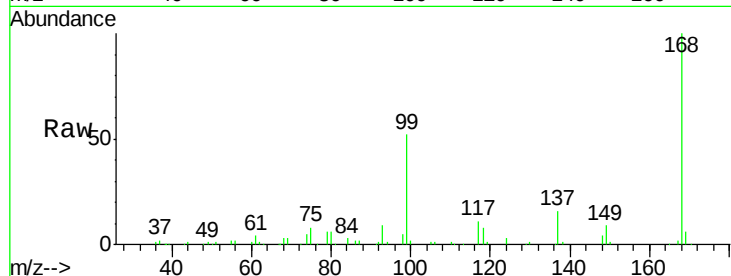




#38
Carbon Tetrachloride
Concen: 6.36 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.12 min
Lab File: VX000331.D
Acq: 15 Mar 2018 16:19

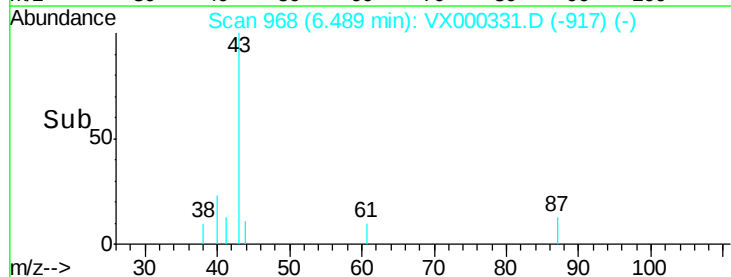
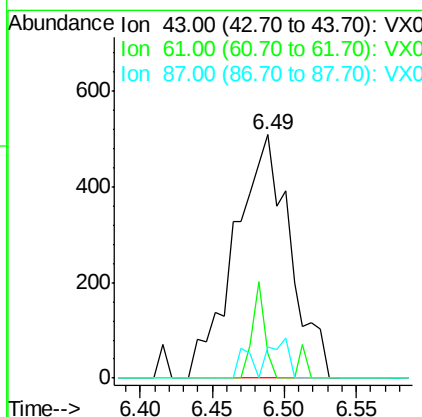
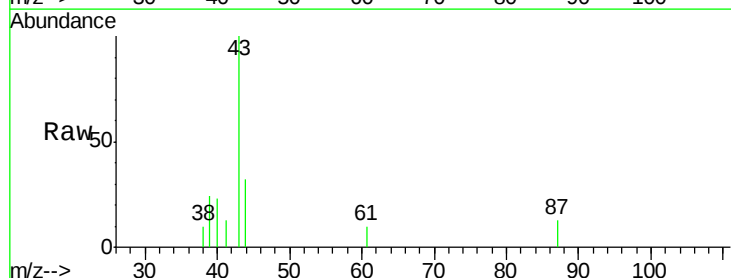
Instrument :
MSVOA_X
ClientSampleId :
OILY-DEBRIS-RBR200032

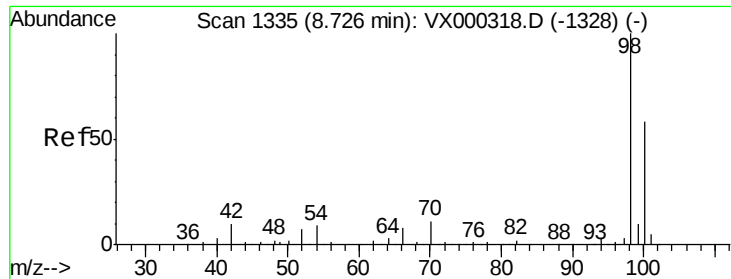
Tgt Ion:117 Resp: 9934
Ion Ratio Lower Upper
117 100
119 8.1 77.4 116.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 0.46 ug/l
RT: 6.49 min Scan# 968
Delta R.T. 0.01 min
Lab File: VX000331.D
Acq: 15 Mar 2018 16:19

Tgt Ion: 43 Resp: 1355
Ion Ratio Lower Upper
43 100
61 8.7 14.4 21.6#
87 3.1 11.0 16.4#





#50

Toluene-d8

Concen: 47.06 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000331.D

Acq: 15 Mar 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

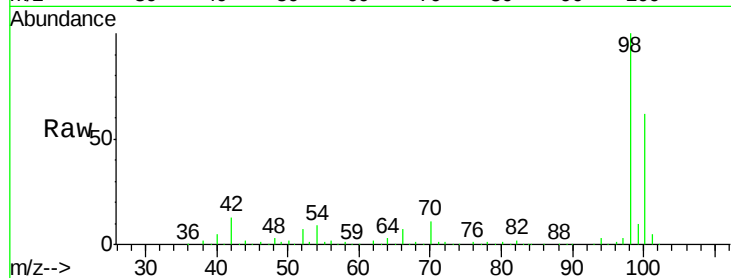
OILY-DEBRIS-RBR200032

Tgt Ion: 98 Resp: 211364

Ion Ratio Lower Upper

98 100

100 62.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.73

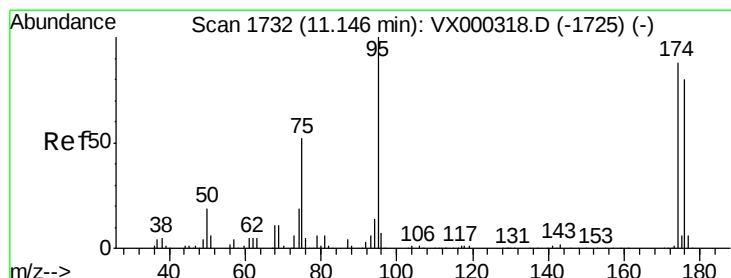
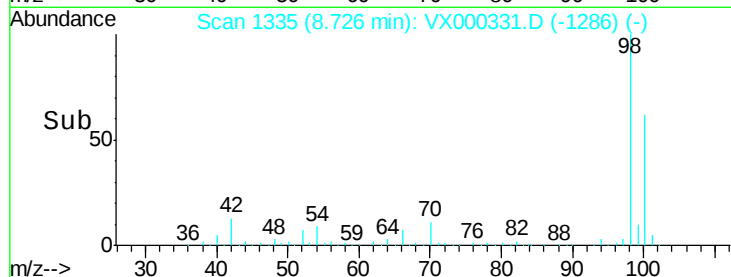
150000

100000

50000

0

Time--> 8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 39.10 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000331.D

Acq: 15 Mar 2018 16:19

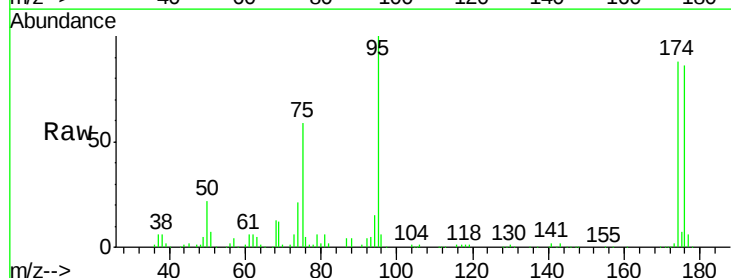
Tgt Ion: 95 Resp: 70415

Ion Ratio Lower Upper

95 100

174 89.7 0.0 173.6

176 85.6 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.15

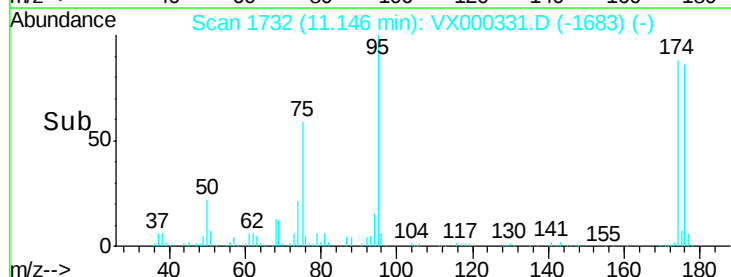
60000

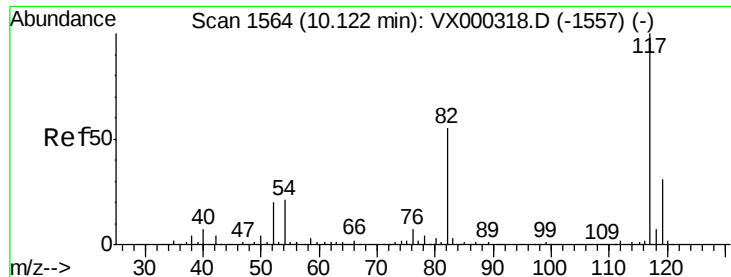
40000

20000

0

Time--> 11.10 11.20

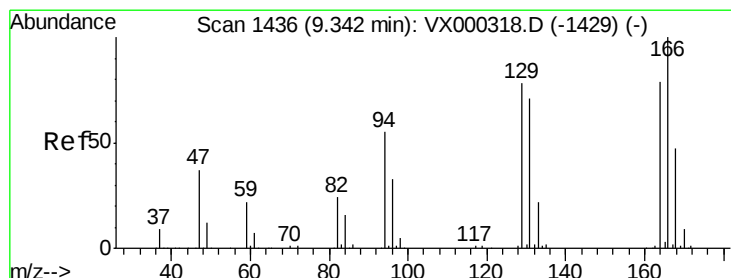
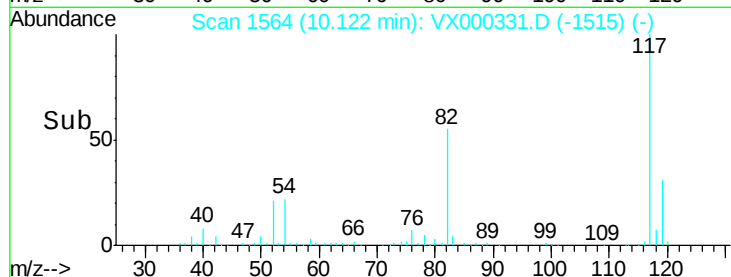
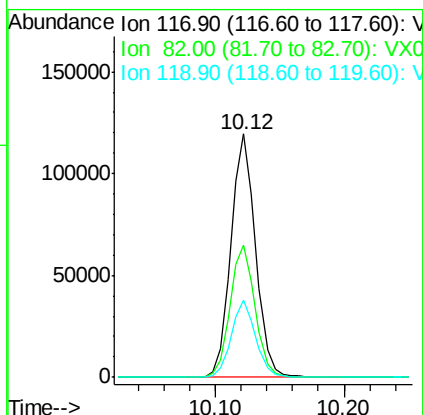
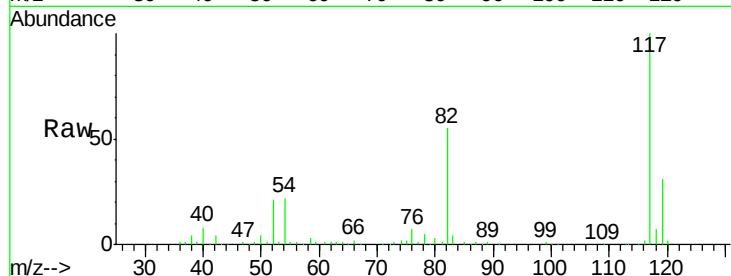




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000331.D
Acq: 15 Mar 2018 16:19

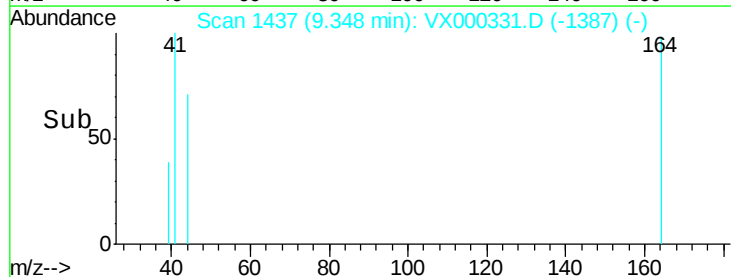
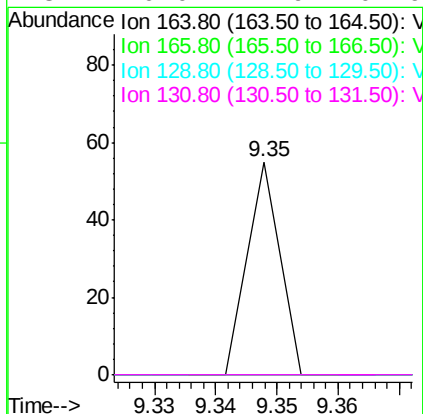
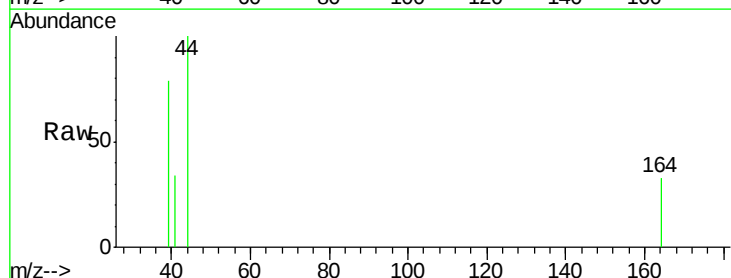
Instrument :
MSVOA_X
ClientSampleId :
OILY-DEBRIS-RBR200032

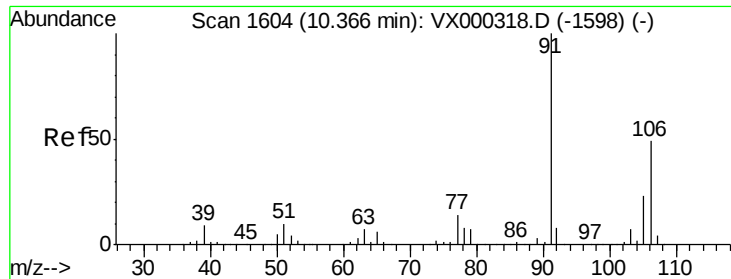
Tgt Ion:117 Resp: 159628
Ion Ratio Lower Upper
117 100
82 54.5 43.8 65.8
119 31.5 24.9 37.3



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.35 min Scan# 1437
Delta R.T. 0.01 min
Lab File: VX000331.D
Acq: 15 Mar 2018 16:19

Tgt Ion:164 Resp: 20
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#

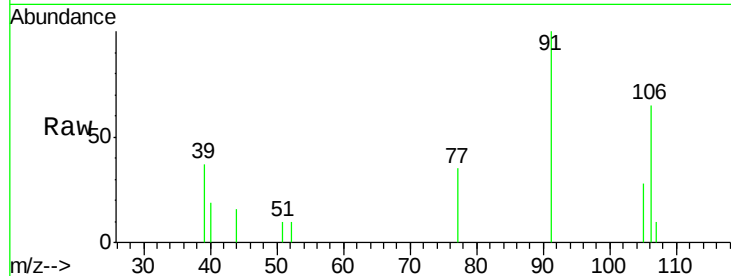




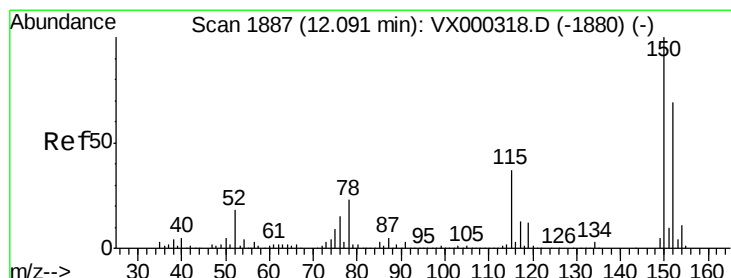
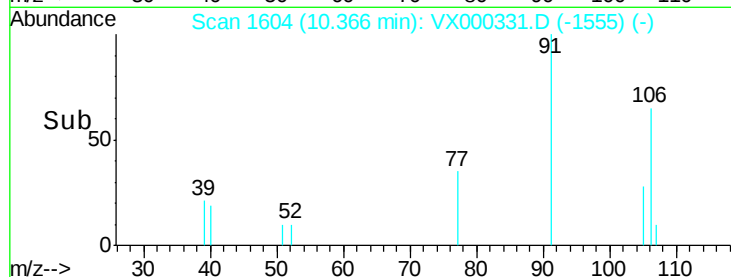
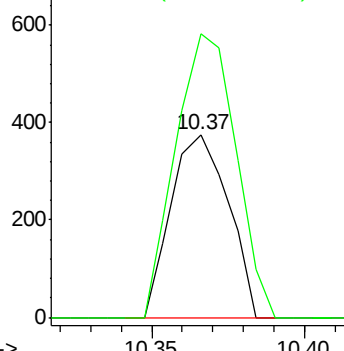
#68
m/p-Xylenes
Concen: 0.23 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000331.D
Acq: 15 Mar 2018 16:19

Instrument :
MSVOA_X
ClientSampleId :
OILY-DEBRIS-RBR200032

Tgt Ion:106 Resp: 488
Ion Ratio Lower Upper
106 100
91 163.5 163.4 245.2

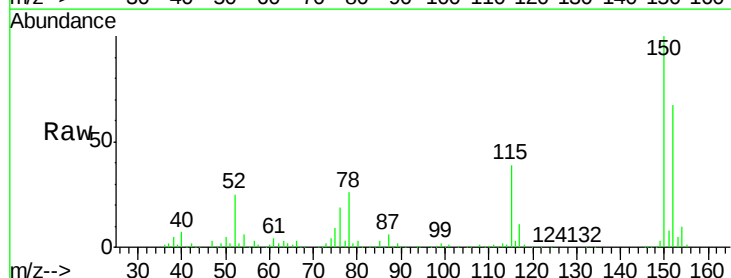


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

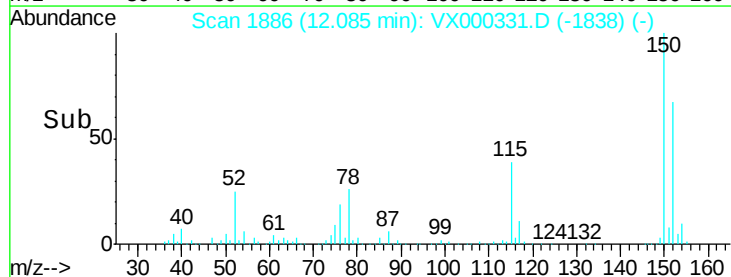
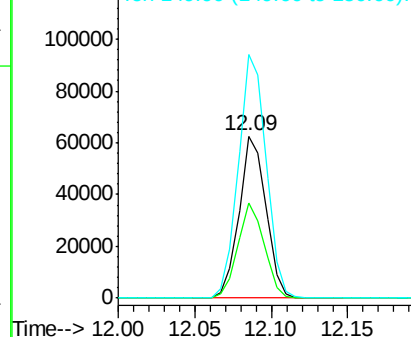


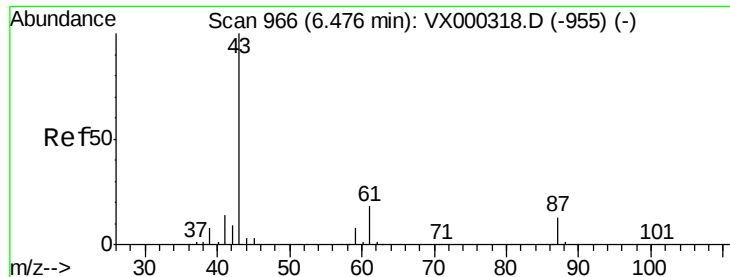
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000331.D
Acq: 15 Mar 2018 16:19

Tgt Ion:152 Resp: 76126
Ion Ratio Lower Upper
152 100
115 57.9 39.8 119.3
150 155.3 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: 0.62 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000331.D

Acq: 15 Mar 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

OILY-DEBRIS-RBR200032

Tgt Ion: 43 Resp: 1355

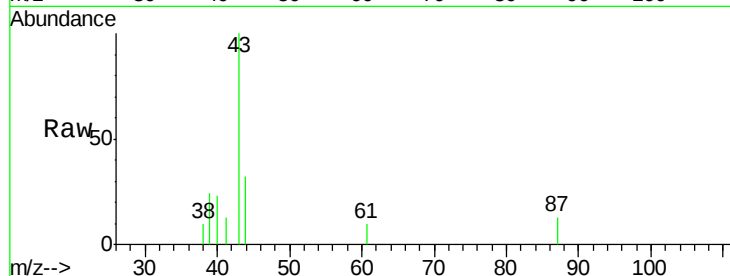
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 8.7 14.4 21.6#

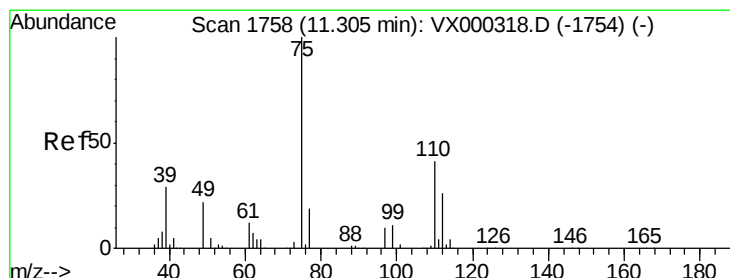
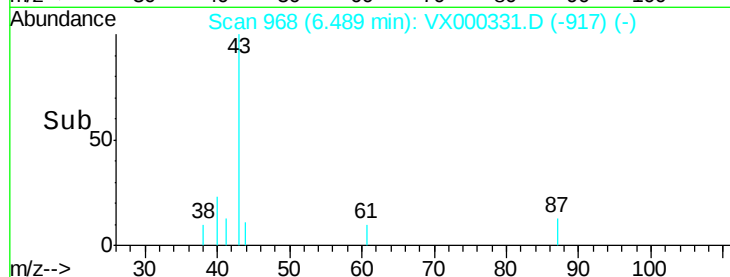
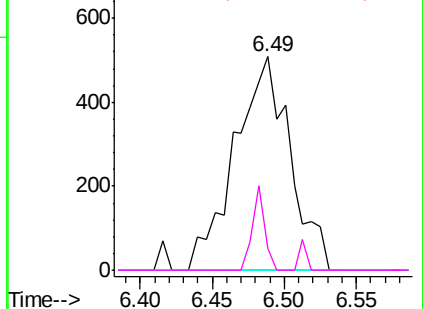


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 29.33 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000331.D

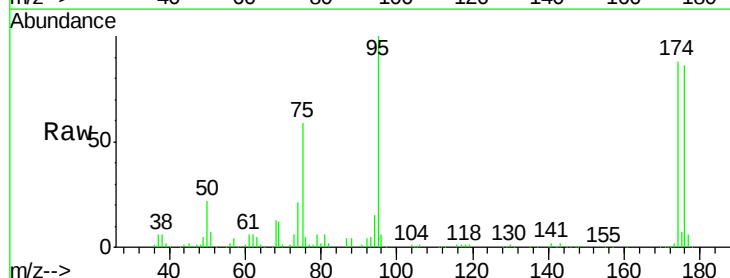
Acq: 15 Mar 2018 16:19

Tgt Ion: 75 Resp: 41514

Ion Ratio Lower Upper

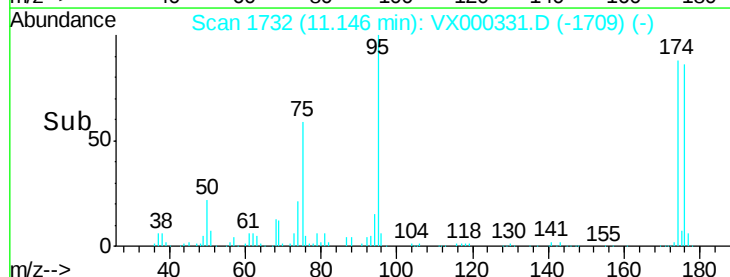
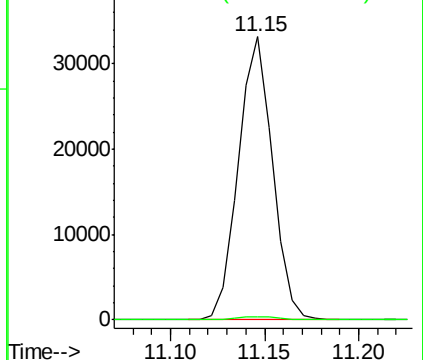
75 100

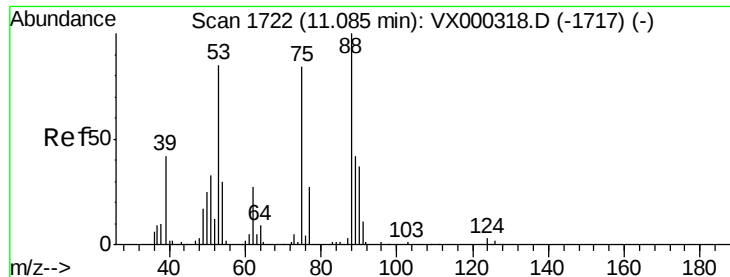
77 1.3 21.4 64.2#



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: 80.70 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000331.D

Acq: 15 Mar 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

OILY-DEBRIS-RBR200032

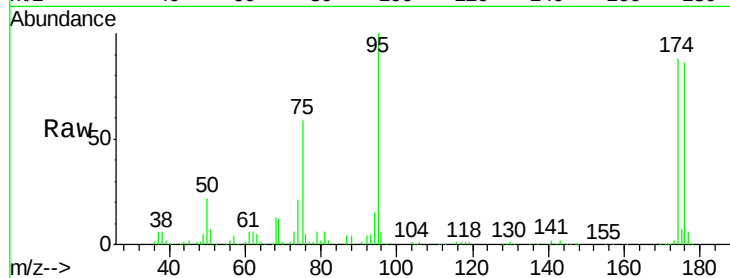
Tgt Ion: 75 Resp: 41514

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

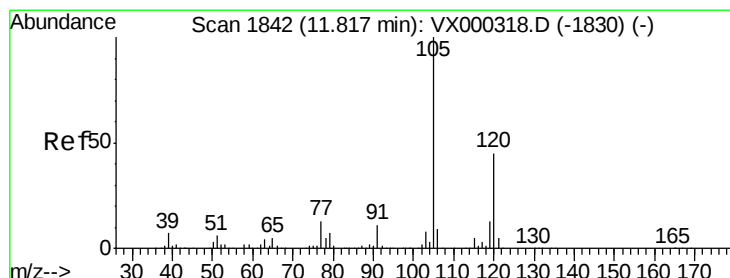
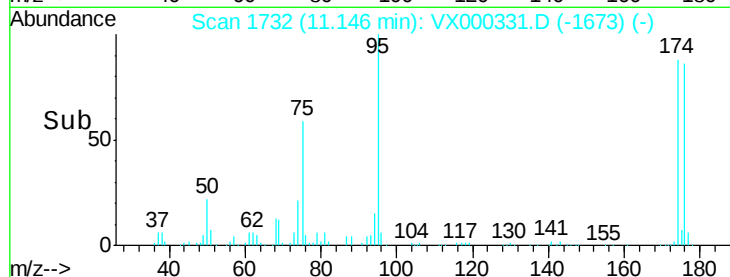
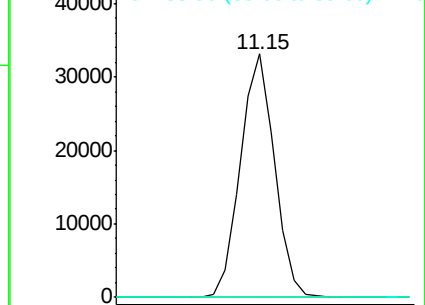
89 0.1 39.4 59.0#



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: 0.23 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX000331.D

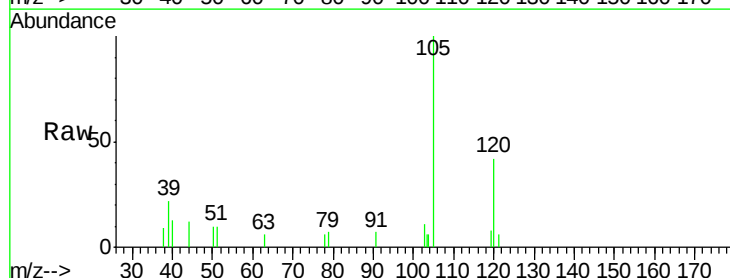
Acq: 15 Mar 2018 16:19

Tgt Ion: 105 Resp: 922

Ion Ratio Lower Upper

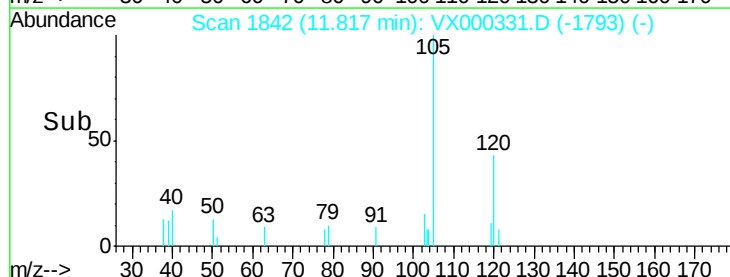
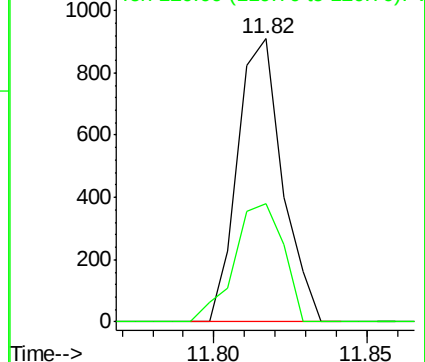
105 100

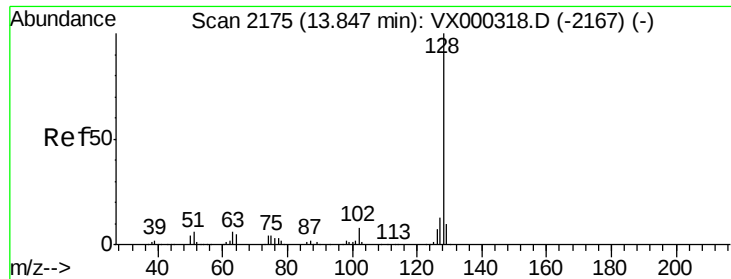
120 45.7 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 3.77 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.01 min
Lab File: VX000331.D
Acq: 15 Mar 2018 16:19

Instrument :
MSVOA_X
ClientSampleId :
OILY-DEBRIS-RBR200032

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.1	8.9	13.3

