

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040418\
 Data File : VX000683.D
 Acq On : 05 Apr 2018 02:48
 Operator : JC/MD
 Sample : J2209-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-DEBRIS

Quant Time: Apr 05 05:26:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 05 03:34:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	85929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	148062	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	144008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	75153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	65825	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	
35) Dibromofluoromethane	5.51	113	47347	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
50) Toluene-d8	8.72	98	189470	44.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.18%	
62) 4-Bromofluorobenzene	11.15	95	64937	38.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.34%	

Target Compounds

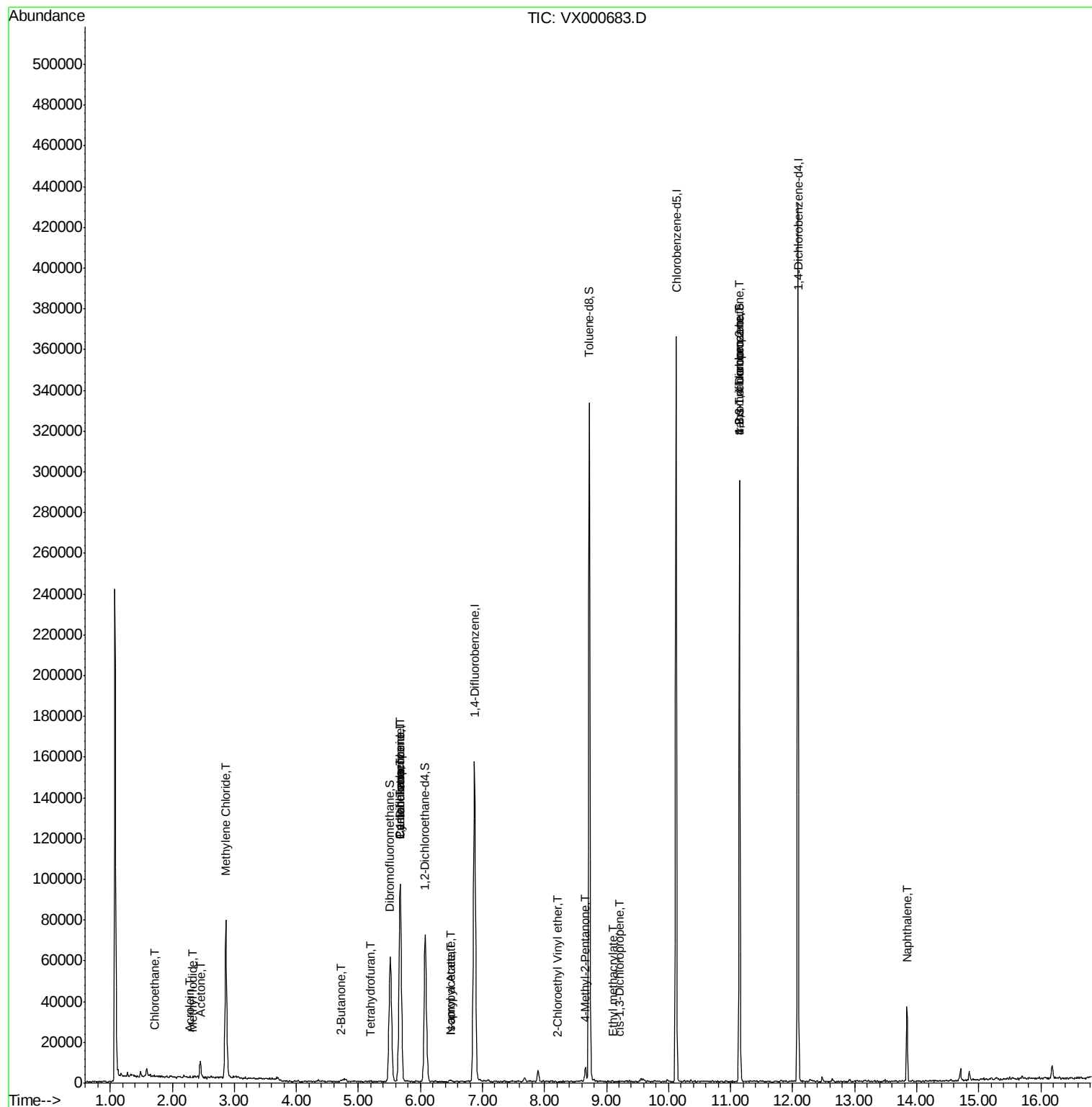
						Qvalue
6) Chloroethane	1.71	64	437	0.46	ug/l #	43
10) Methyl Iodide	2.32	142	30	9.37	ug/l #	35
13) Acrolein	2.29	56	240	0.72	ug/l #	58
16) Acetone	2.45	43	9255	7.71	ug/l	96
20) Methylene Chloride	2.86	84	31860	23.26	ug/l	93
25) 2-Butanone	4.72	43	1075	0.88	ug/l	98
29) Tetrahydrofuran	5.20	42	331	0.42	ug/l #	34
31) Cyclohexane	5.67	56	2523	1.75	ug/l #	54
36) 1,1-Dichloropropene	5.67	75	8151	5.93	ug/l #	52
38) Carbon Tetrachloride	5.68	117	9362	7.08	ug/l #	18
43) Isopropyl Acetate	6.48	43	1341	0.44	ug/l #	73
51) 4-Methyl-2-Pentanone	8.66	43	4515	1.83	ug/l	97
54) cis-1,3-Dichloropropene	9.20	75	21	4.18	ug/l #	1
56) Ethyl methacrylate	9.10	69	21	4.33	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.21	63	22	15.57	ug/l #	49
74) N-amyl acetate	6.48	43	1341	0.55	ug/l #	76
76) 1,2,3-Trichloropropane	11.14	75	41685	25.43	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	41685	91.19	ug/l #	7
95) Naphthalene	13.84	128	20881	3.69	ug/l	98

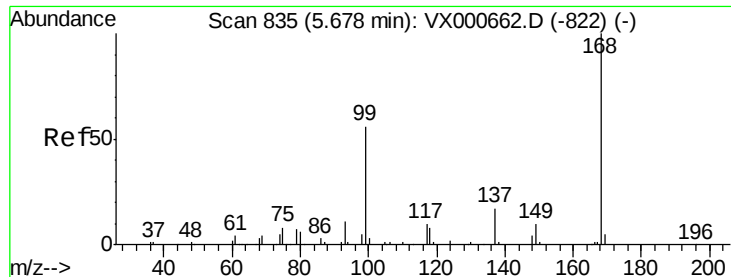
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000683.D

Acq: 05 Apr 2018 02:48

Instrument :

MSVOA_X

ClientSampleId :

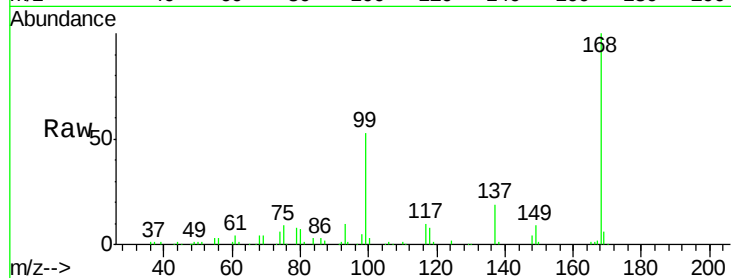
OILY-DEBRIS

Tgt Ion:168 Resp: 85929

Ion Ratio Lower Upper

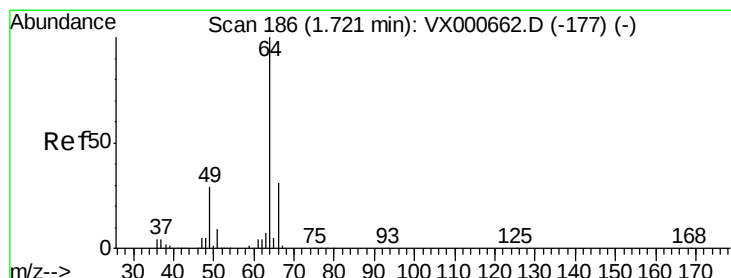
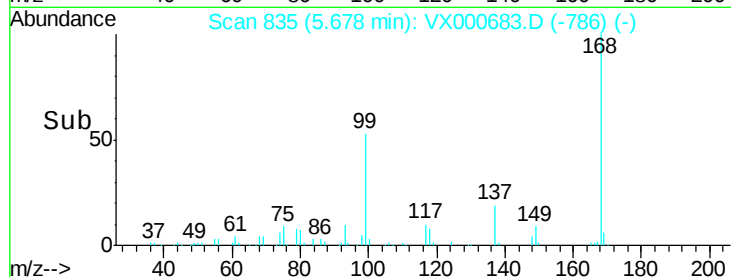
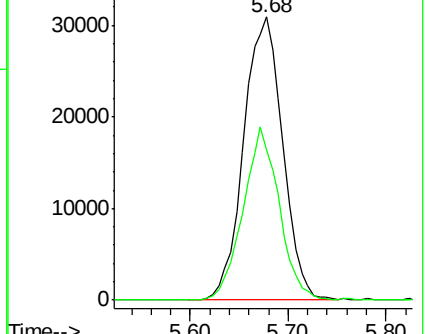
168 100

99 53.2 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.46 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX000683.D

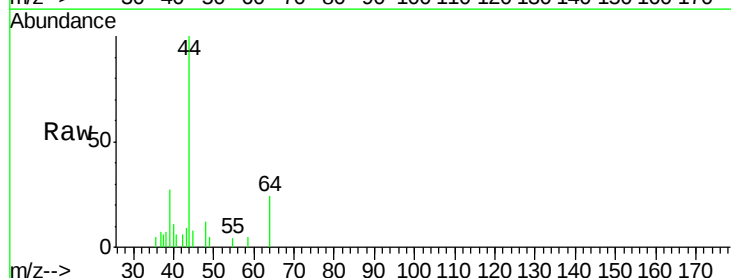
Acq: 05 Apr 2018 02:48

Tgt Ion: 64 Resp: 437

Ion Ratio Lower Upper

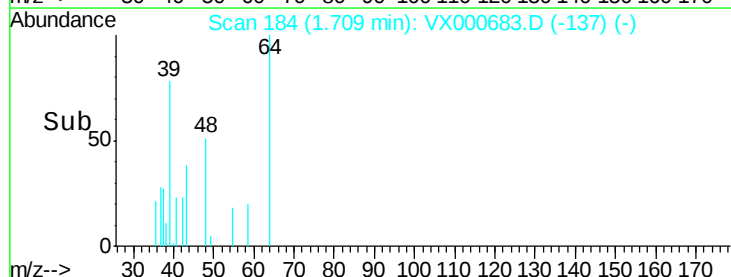
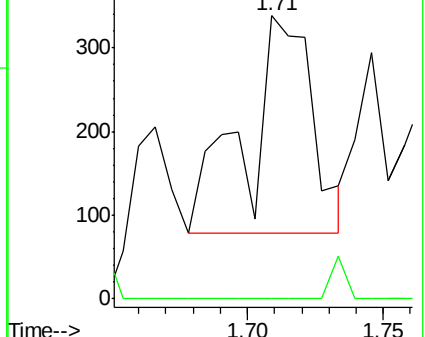
64 100

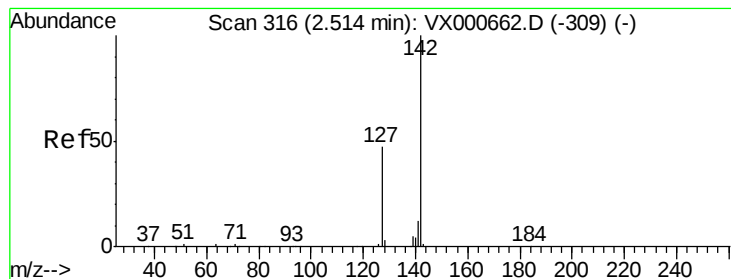
66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 9.37 ug/l

RT: 2.32 min Scan# 284

Delta R.T. -0.19 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

Instrument :

MSVOA_X

ClientSampleId :

OILY-DEBRIS

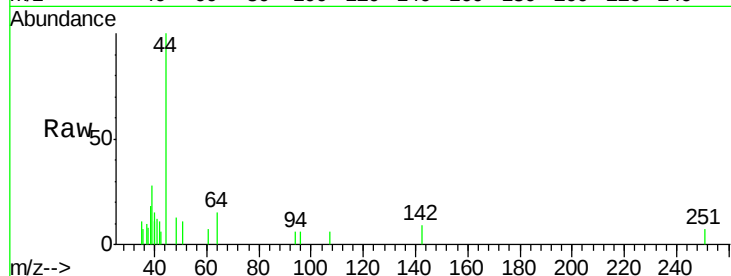
Tgt Ion:142 Resp: 30

Ion Ratio Lower Upper

142 100

127 0.0 40.7 61.1#

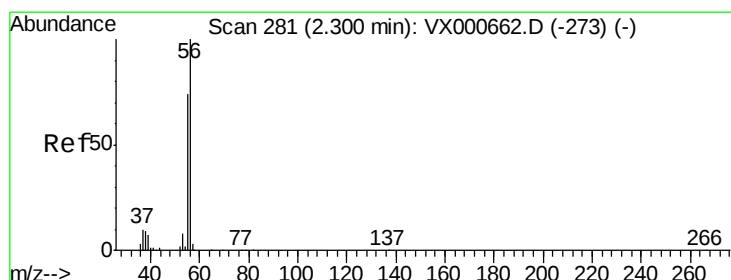
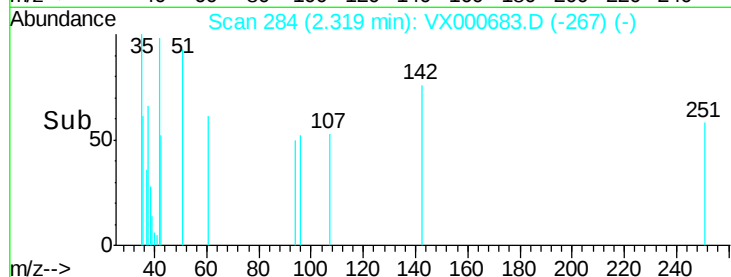
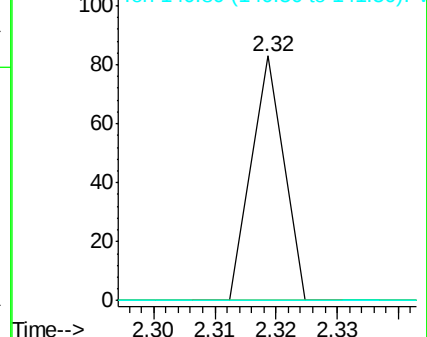
141 0.0 11.1 16.7#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 0.72 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000683.D

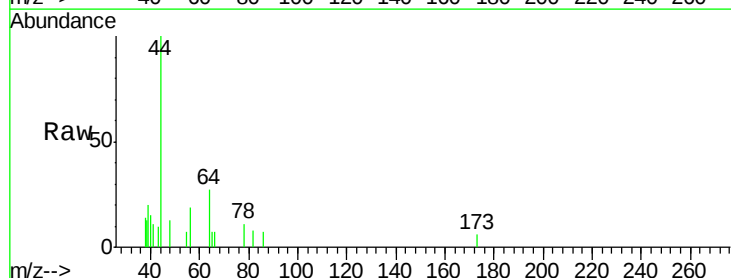
Acq: 05 Apr 2018 02:48

Tgt Ion: 56 Resp: 240

Ion Ratio Lower Upper

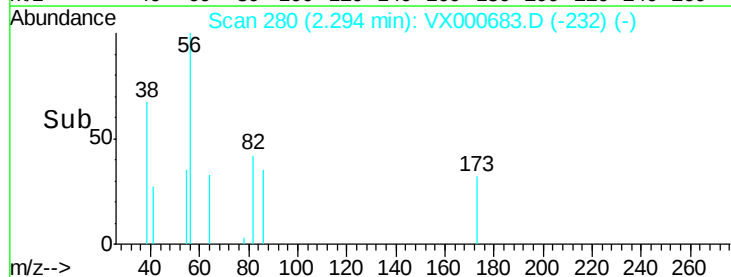
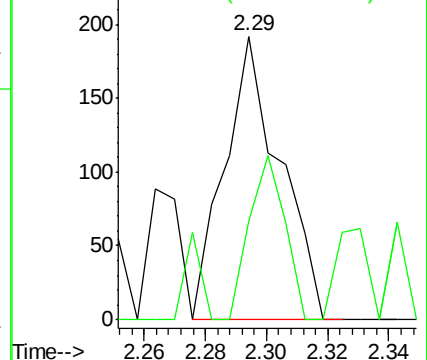
56 100

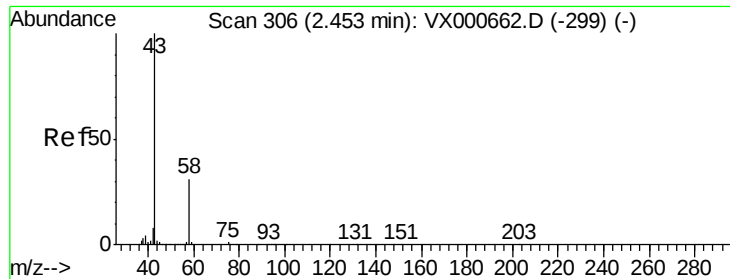
55 37.1 58.1 87.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 7.71 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

Instrument :

MSVOA_X

ClientSampleId :

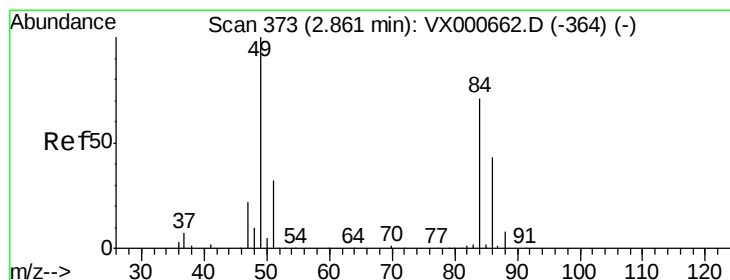
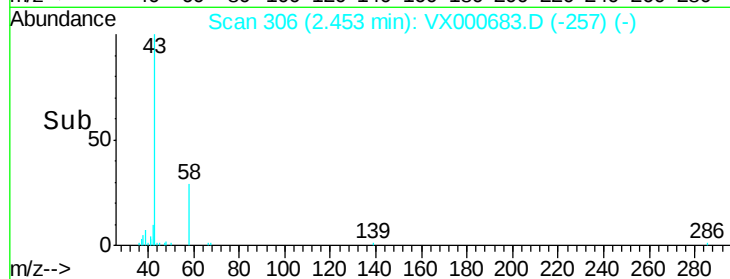
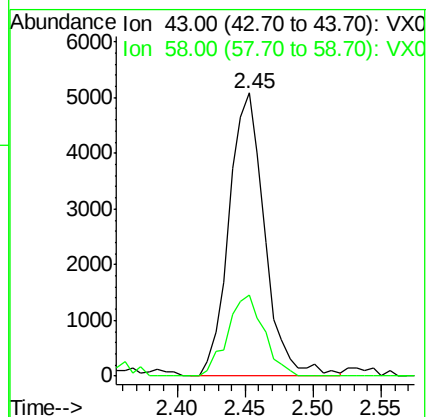
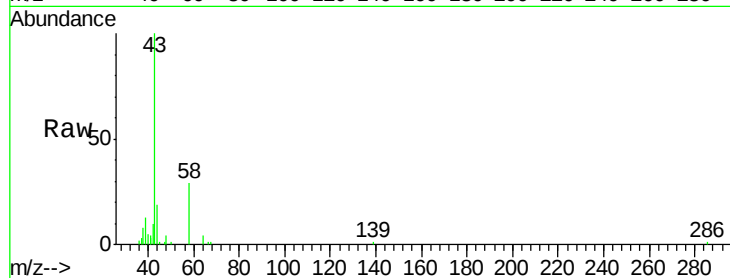
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Tgt Ion: 43 Resp: 9255

Ion Ratio Lower Upper

43 100

58 28.5 24.7 37.1



#20

Methylene Chloride

Concen: 23.26 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

Tgt Ion: 84 Resp: 31860

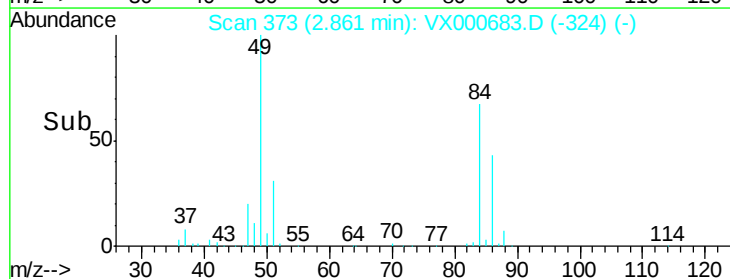
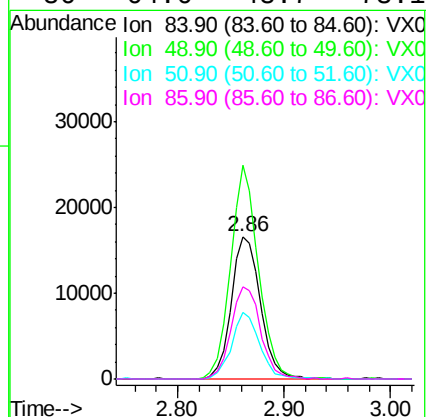
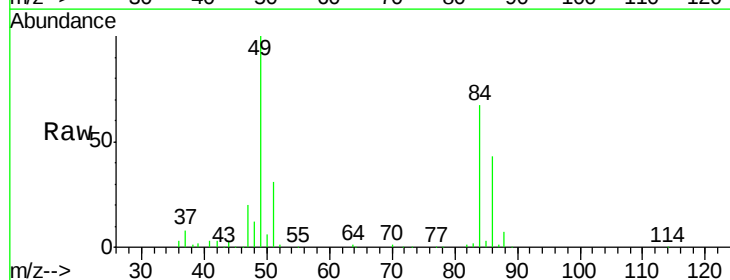
Ion Ratio Lower Upper

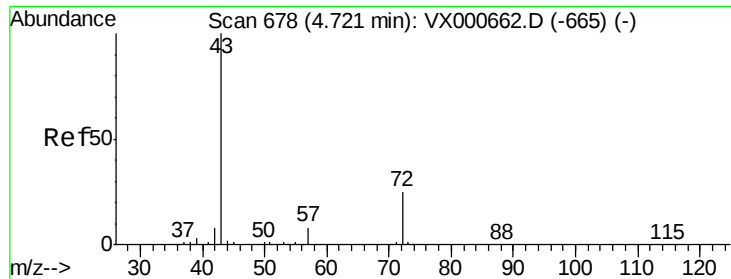
84 100

49 150.3 112.1 168.1

51 46.9 35.4 53.0

86 64.6 48.7 73.1





#25

2-Butanone

Concen: 0.88 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

Instrument :

MSVOA_X

ClientSampleId :

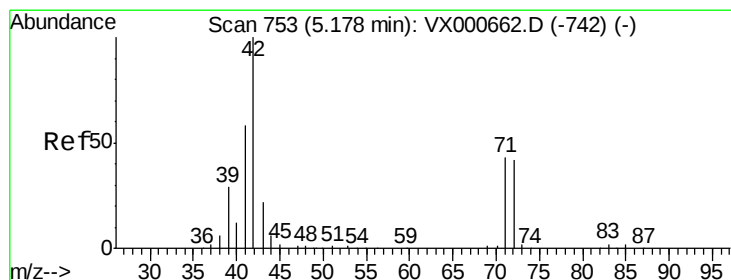
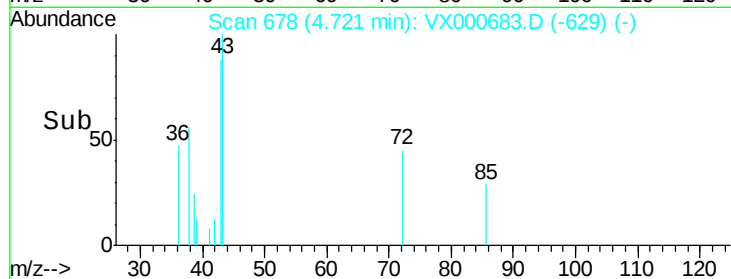
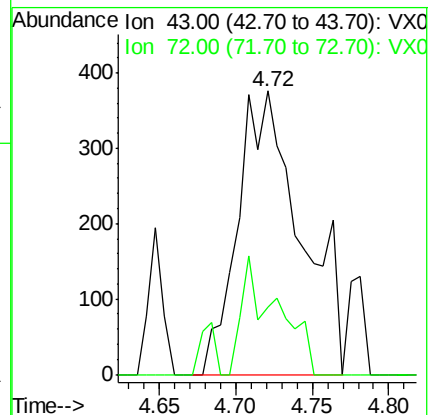
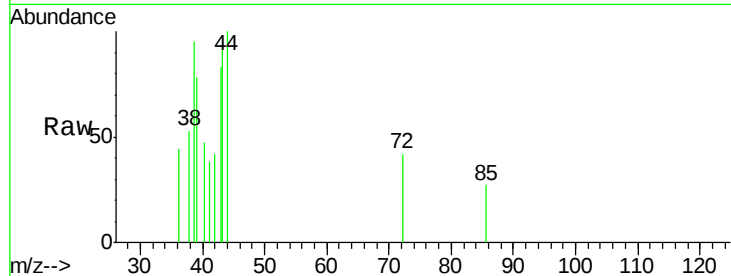
OILY-DEBRIS

Tgt Ion: 43 Resp: 1075

Ion Ratio Lower Upper

43 100

72 23.9 20.0 30.0



#29

Tetrahydrofuran

Concen: 0.42 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

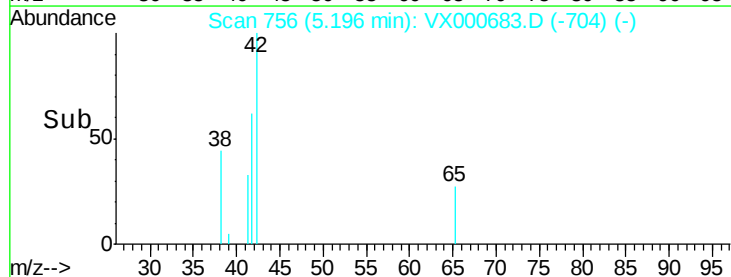
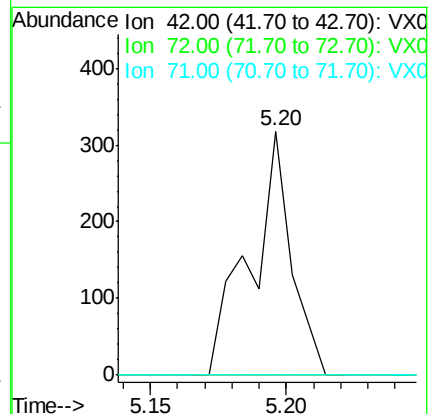
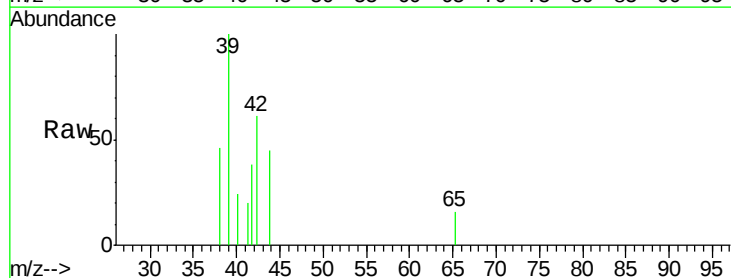
Tgt Ion: 42 Resp: 331

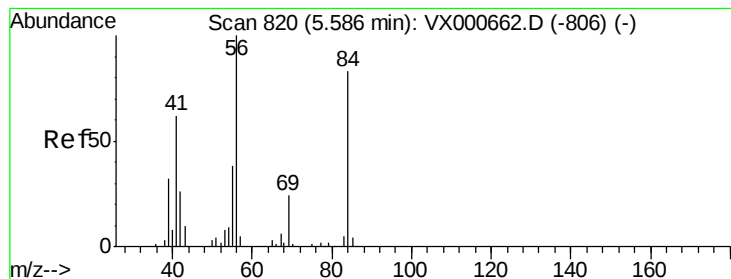
Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 0.0 32.2 48.2#





#31

Cyclohexane

Concen: 1.75 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

Instrument :

MSVOA_X

ClientSampleId :

OILY-DEBRIS

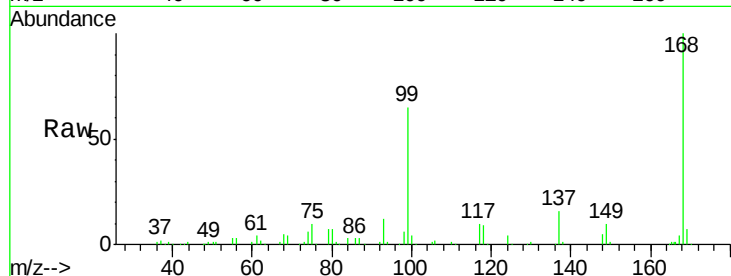
Tgt Ion: 56 Resp: 2523

Ion Ratio Lower Upper

56 100

69 110.7 19.4 29.0#

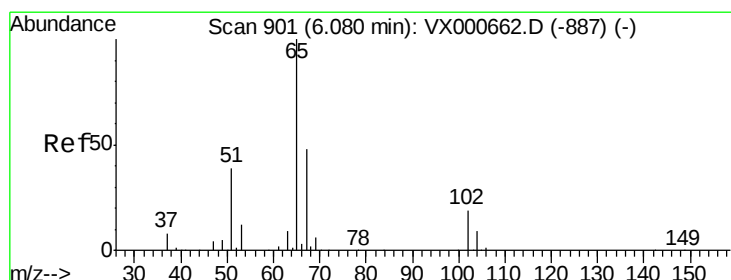
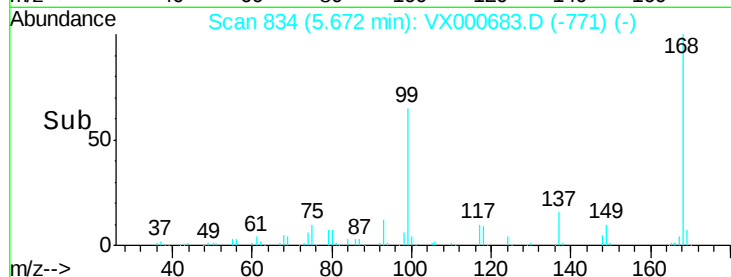
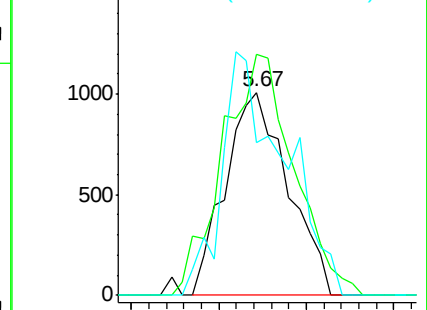
84 75.1 66.8 100.2



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: 45.09 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000683.D

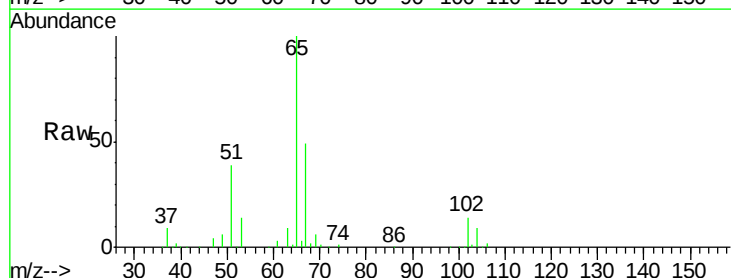
Acq: 05 Apr 2018 02:48

Tgt Ion: 65 Resp: 65825

Ion Ratio Lower Upper

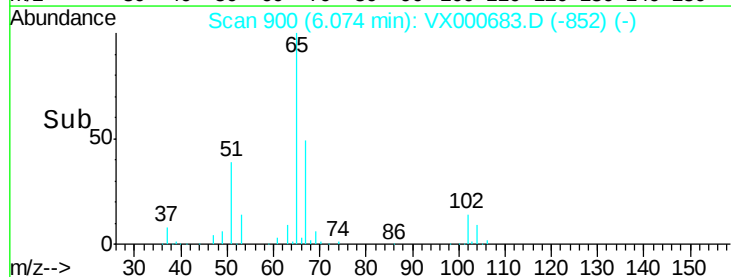
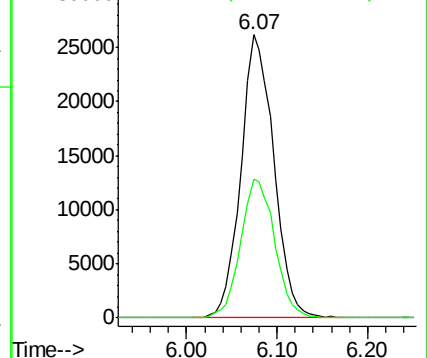
65 100

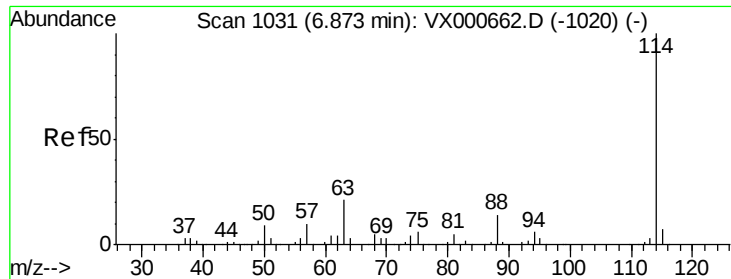
67 50.8 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

Instrument :

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OILY-DEBRIS

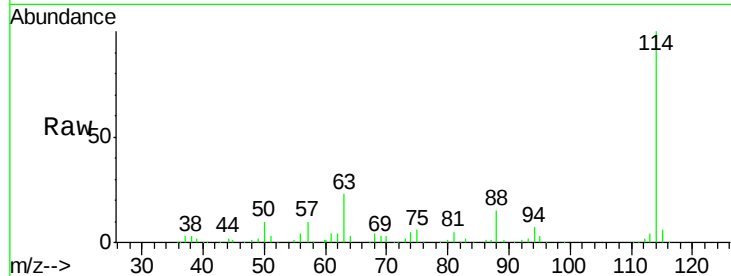
Tgt Ion:114 Resp: 148062

Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.6

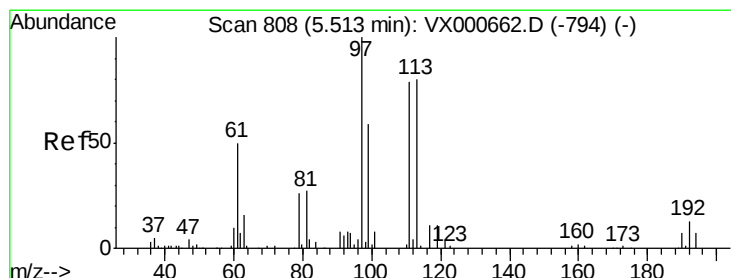
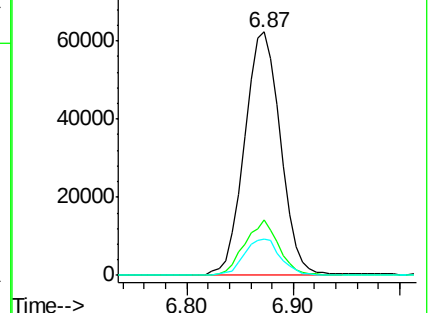
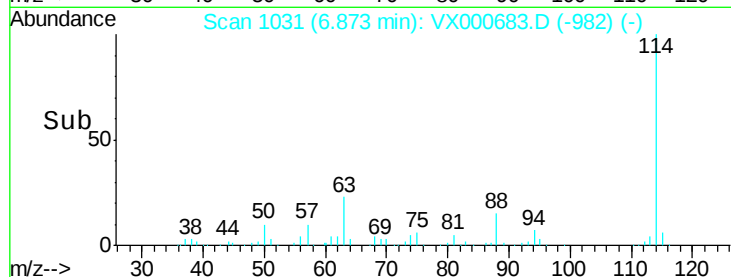
88 14.8 0.0 28.6



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: 46.84 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

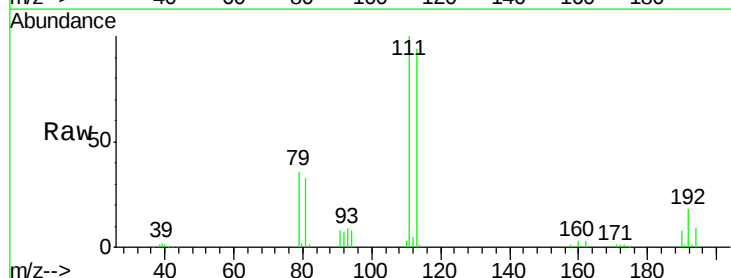
Tgt Ion:113 Resp: 47347

Ion Ratio Lower Upper

113 100

111 105.5 82.0 123.0

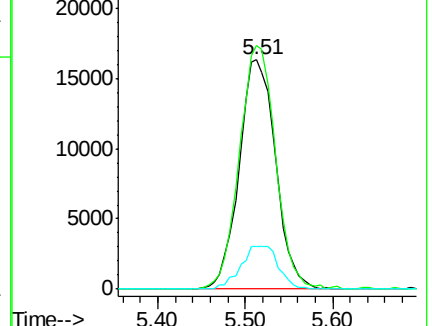
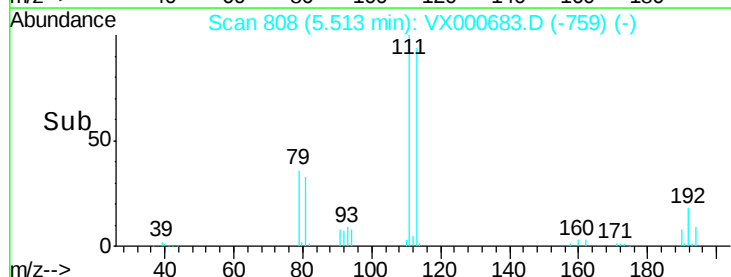
192 19.0 14.3 21.5

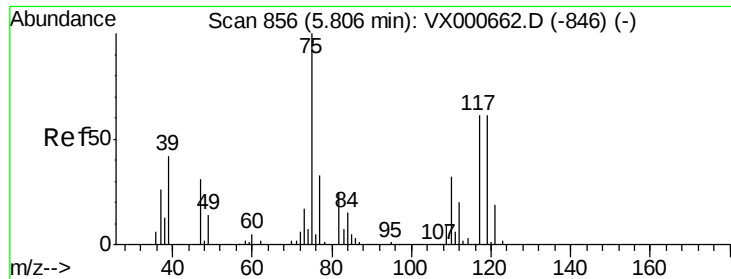


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

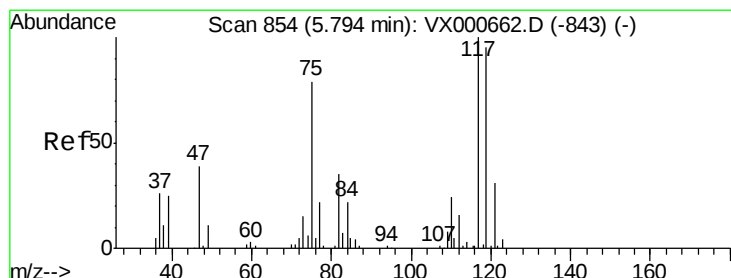
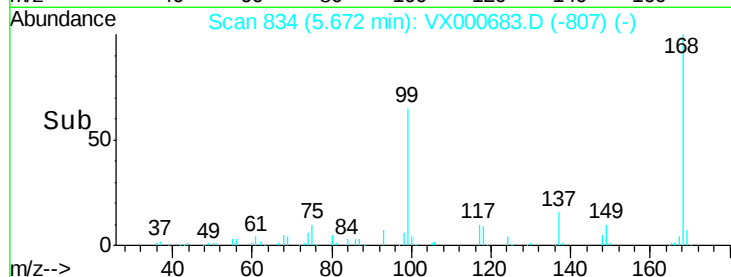
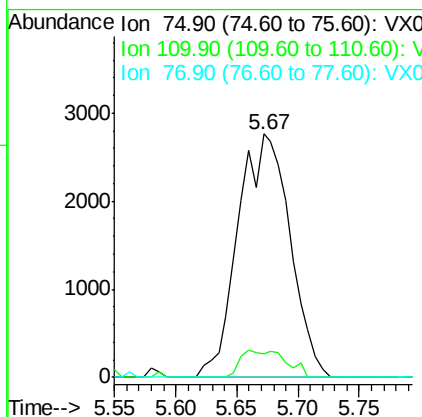
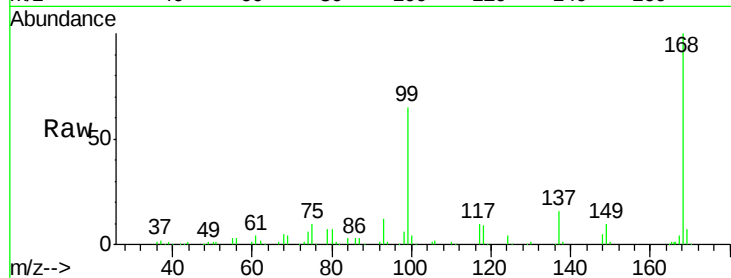




#36
 1,1-Dichloropropene
 Concen: 5.93 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000683.D
 Acq: 05 Apr 2018 02:48

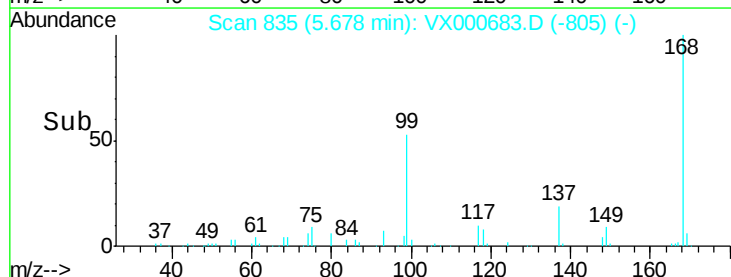
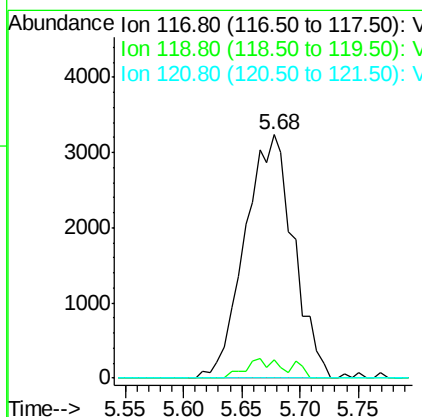
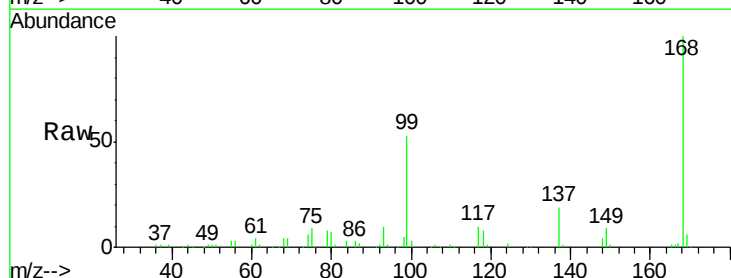
Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-DEBRIS

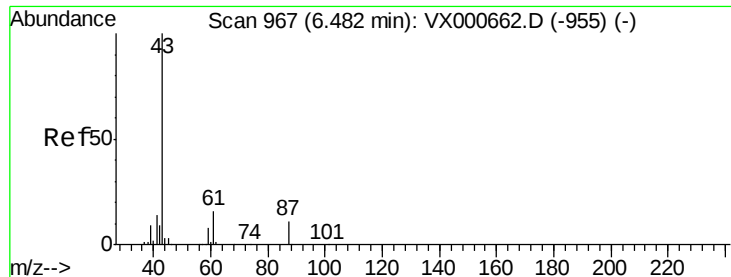
Tgt Ion: 75 Resp: 8151
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.3 48.9#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.08 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000683.D
 Acq: 05 Apr 2018 02:48

Tgt Ion: 117 Resp: 9362
 Ion Ratio Lower Upper
 117 100
 119 7.4 76.1 114.1#
 121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 0.44 ug/l

RT: 6.48 min Scan# 967

Delta R.T. -0.00 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

Instrument :

MSVOA_X

ClientSampleId :

OILY-DEBRIS

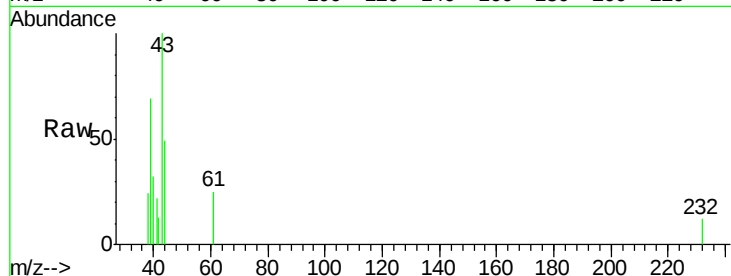
Tgt Ion: 43 Resp: 1341

Ion Ratio Lower Upper

43 100

61 6.3 13.4 20.2#

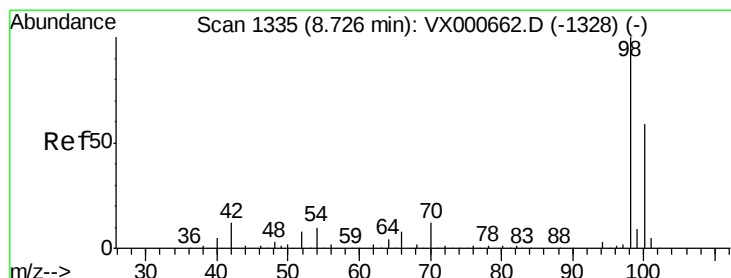
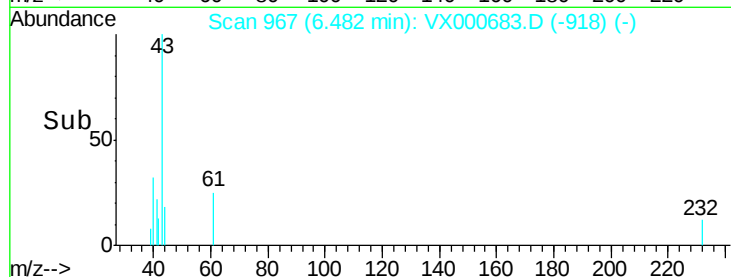
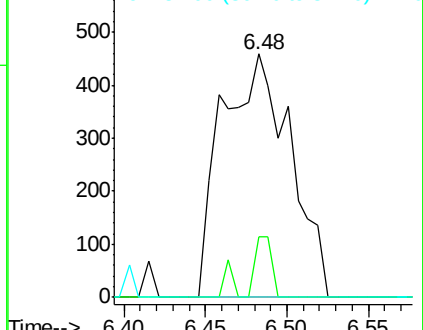
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 44.09 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000683.D

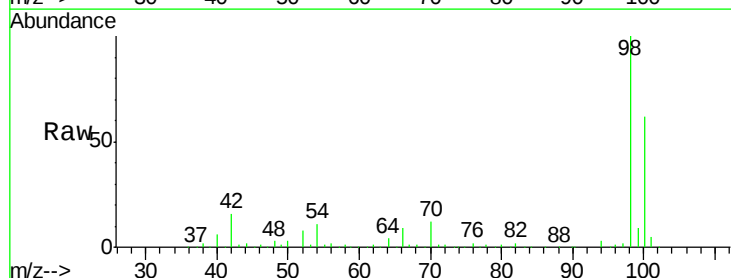
Acq: 05 Apr 2018 02:48

Tgt Ion: 98 Resp: 189470

Ion Ratio Lower Upper

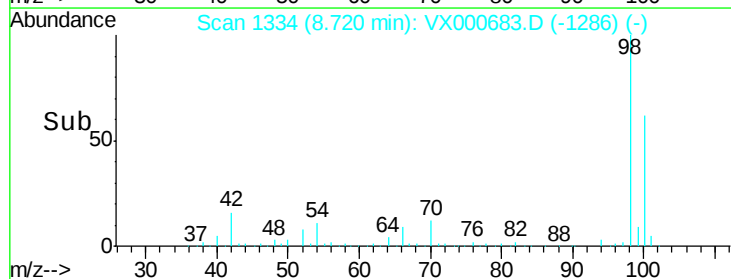
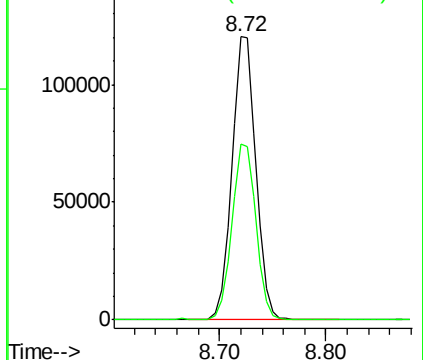
98 100

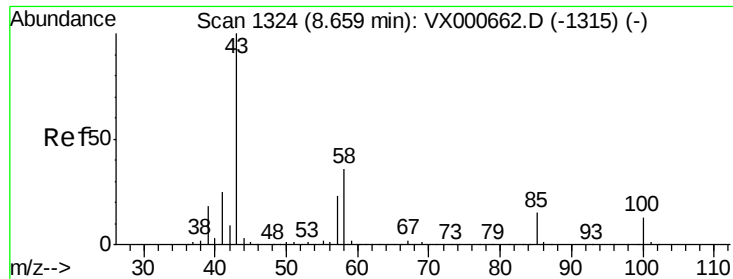
100 62.4 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 1.83 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

Instrument :

MSVOA_X

ClientSampleId :

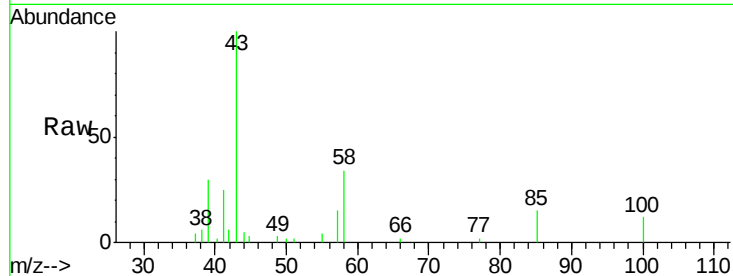
OILY-DEBRIS

Tgt Ion: 43 Resp: 4515

Ion Ratio Lower Upper

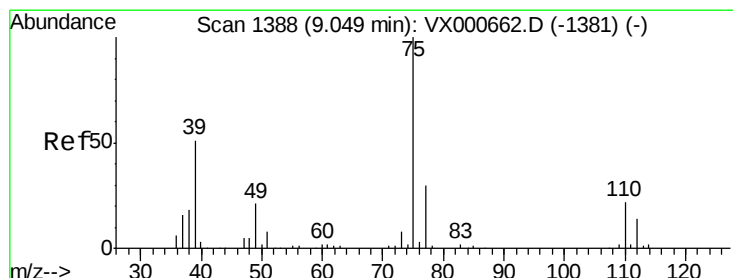
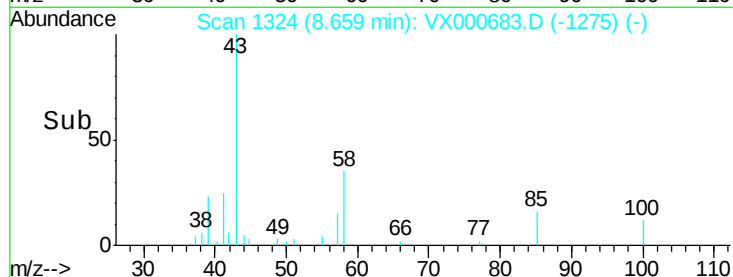
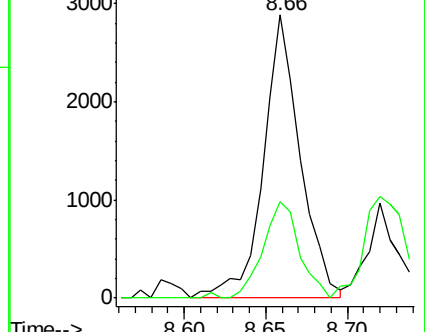
43 100

58 33.5 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 4.18 ug/l

RT: 9.20 min Scan# 1413

Delta R.T. 0.15 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

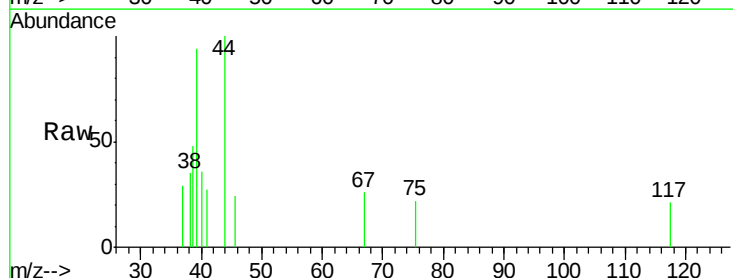
Tgt Ion: 75 Resp: 21

Ion Ratio Lower Upper

75 100

77 0.0 24.1 36.1#

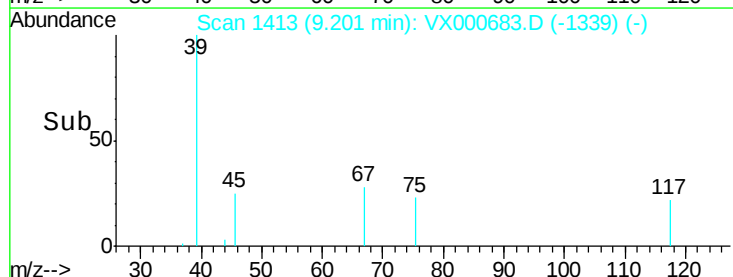
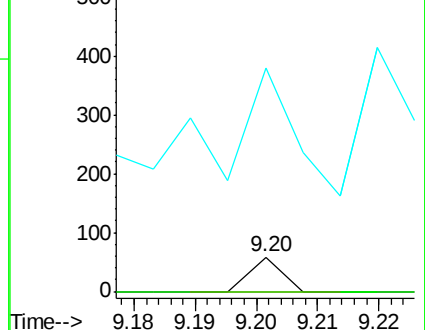
39 374.1 40.7 61.1#

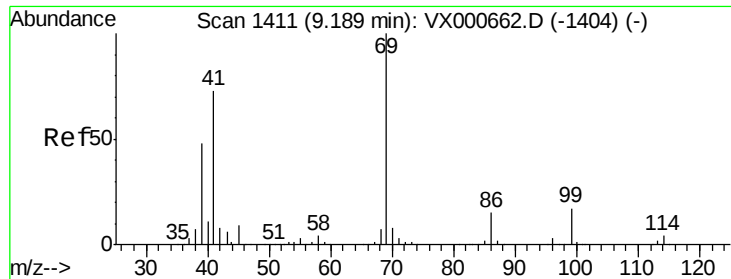


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#56

Ethyl methacrylate

Concen: 4.33 ug/l

RT: 9.10 min Scan# 1397

Delta R.T. -0.09 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

Instrument :

MSVOA_X

ClientSampleId :

OILY-DEBRIS

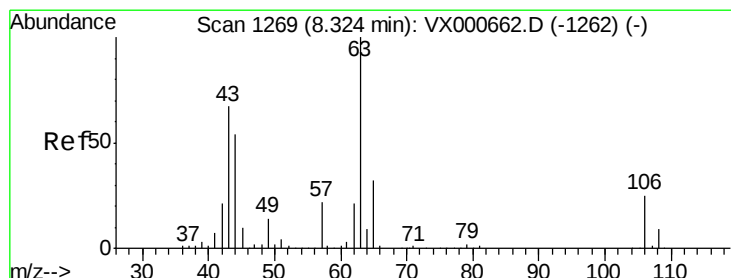
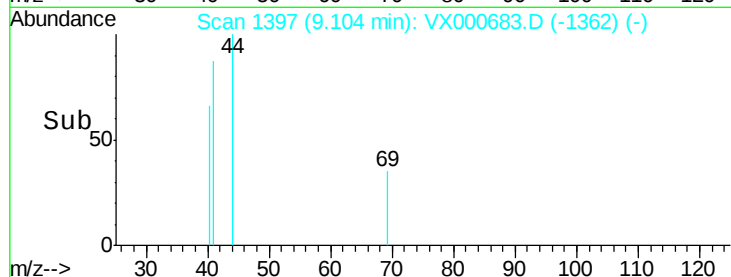
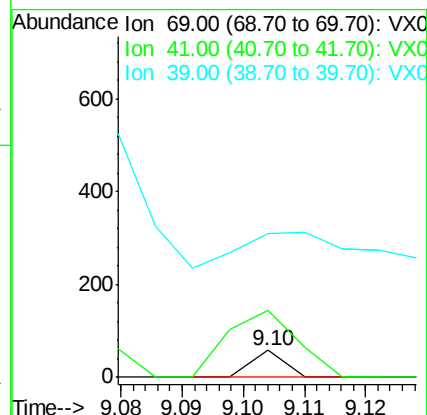
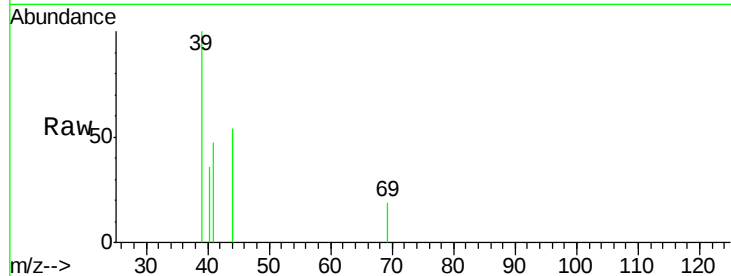
Tgt Ion: 69 Resp: 21

Ion Ratio Lower Upper

69 100

41 542.9 56.5 84.7#

39 1109.5 39.8 59.8#



#58

2-Chloroethyl Vinyl ether

Concen: 15.57 ug/l

RT: 8.21 min Scan# 1250

Delta R.T. -0.12 min

Lab File: VX000683.D

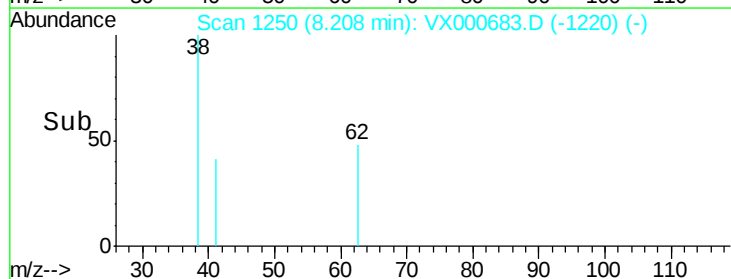
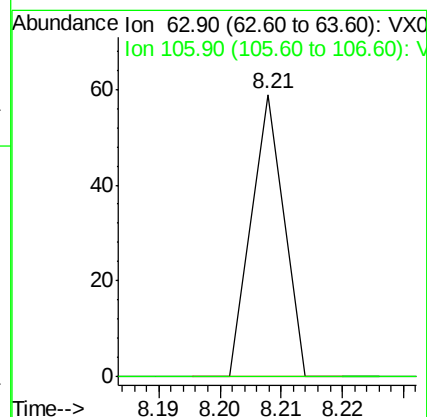
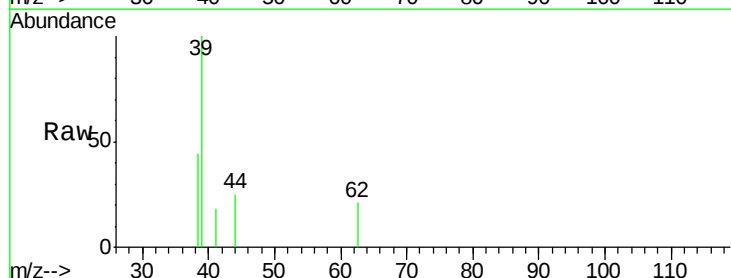
Acq: 05 Apr 2018 02:48

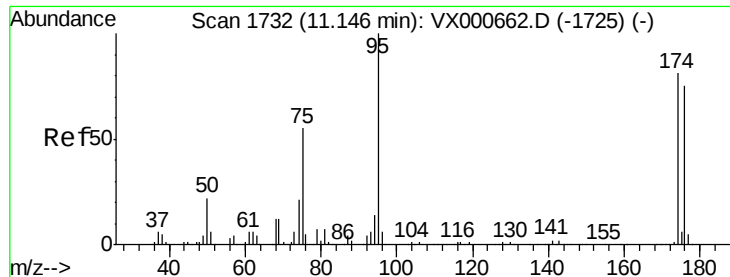
Tgt Ion: 63 Resp: 22

Ion Ratio Lower Upper

63 100

106 0.0 20.5 30.7#

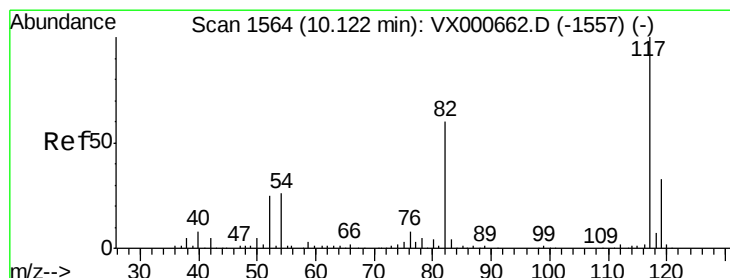
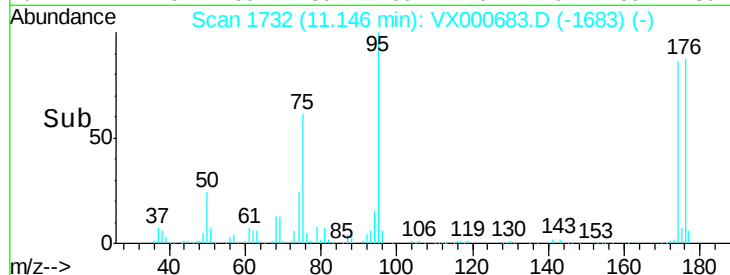
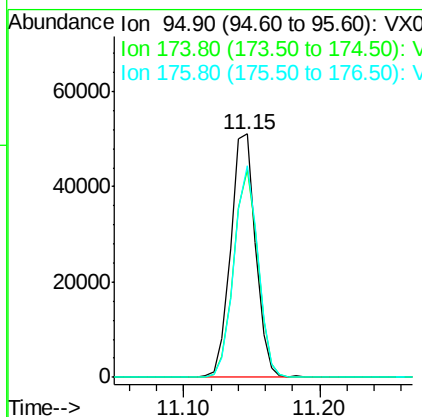
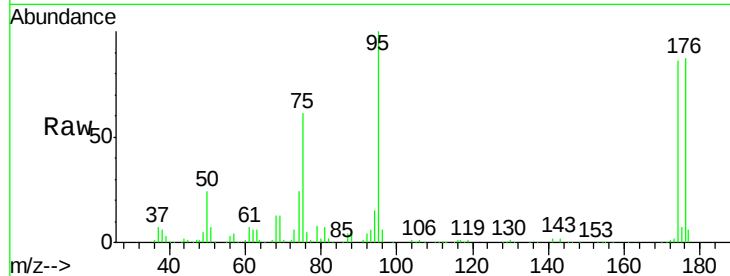




#62
 4-Bromofluorobenzene
 Concen: 38.17 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VX000683.D
 Acq: 05 Apr 2018 02:48

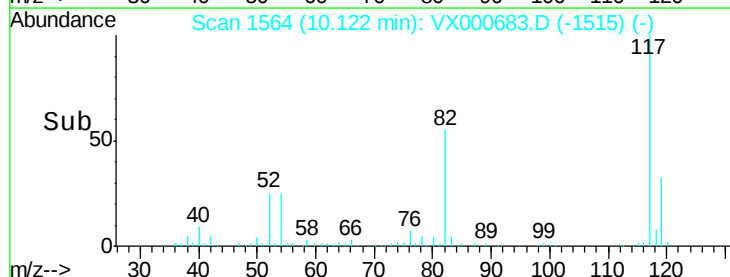
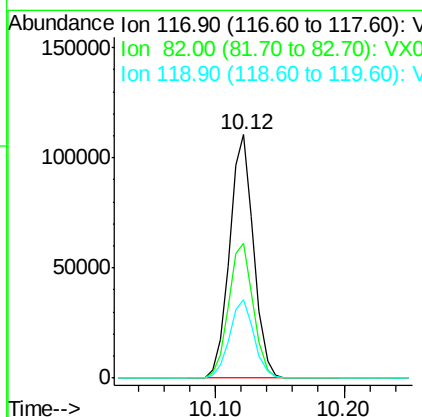
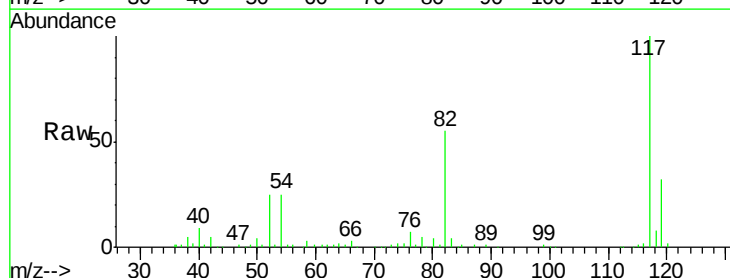
Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-DEBRIS

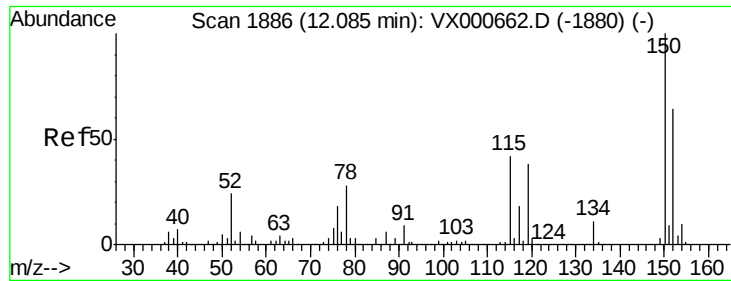
Tgt Ion: 95 Resp: 64937
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 156.8
 176 83.8 0.0 150.6



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VX000683.D
 Acq: 05 Apr 2018 02:48

Tgt Ion: 117 Resp: 144008
 Ion Ratio Lower Upper
 117 100
 82 55.2 48.3 72.5
 119 32.4 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

Instrument :

MSVOA_X

ClientSampleId :

OILY-DEBRIS

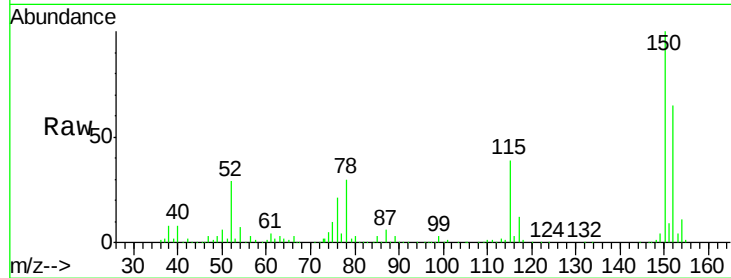
Tgt Ion:152 Resp: 75153

Ion Ratio Lower Upper

152 100

115 59.2 41.9 125.8

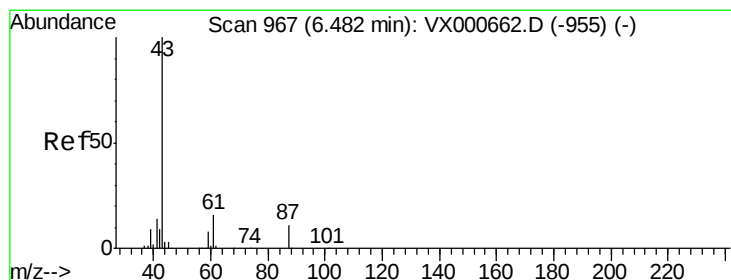
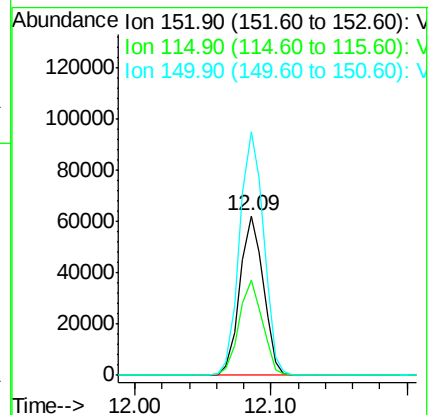
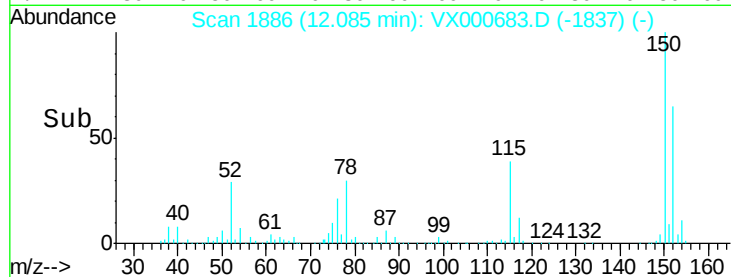
150 156.5 0.0 348.0



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: 0.55 ug/l

RT: 6.48 min Scan# 967

Delta R.T. -0.00 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

Tgt Ion: 43 Resp: 1341

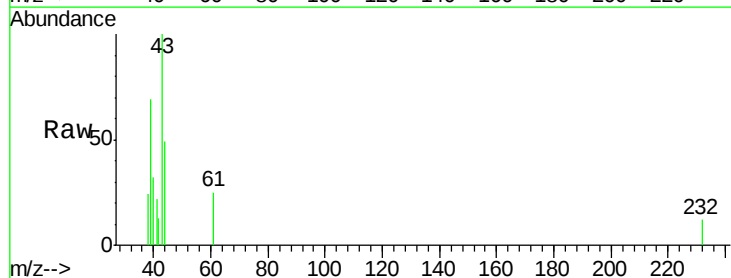
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 2.1 0.0 0.0#

61 6.3 13.4 20.2#

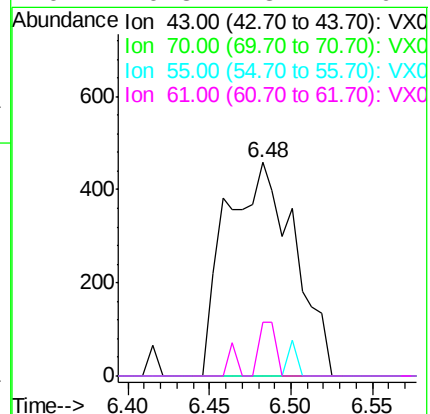
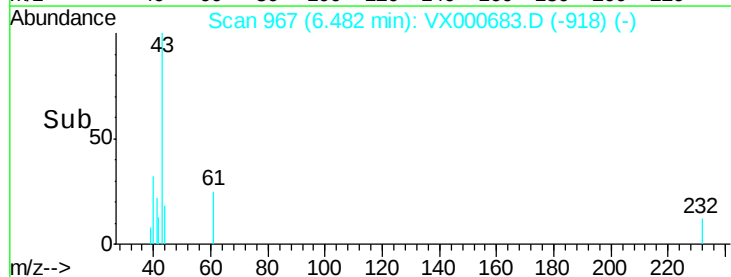


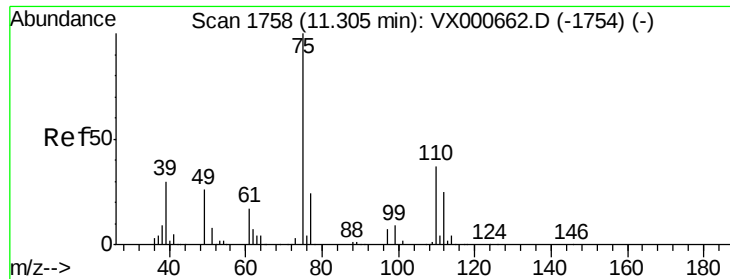
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 25.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

Instrument :

MSVOA_X

ClientSampleId :

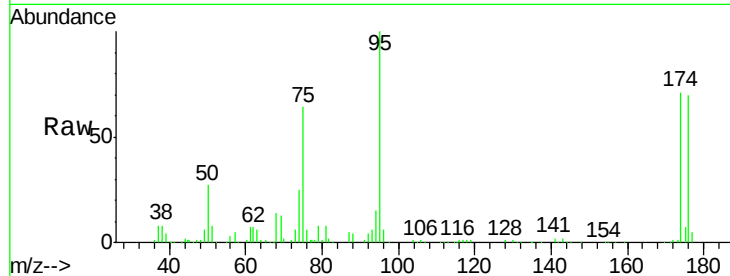
OILY-DEBRIS

Tgt Ion: 75 Resp: 41685

Ion Ratio Lower Upper

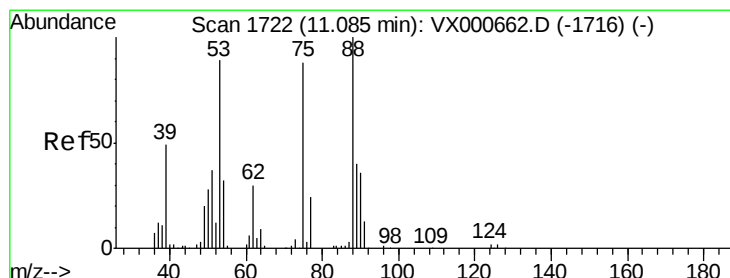
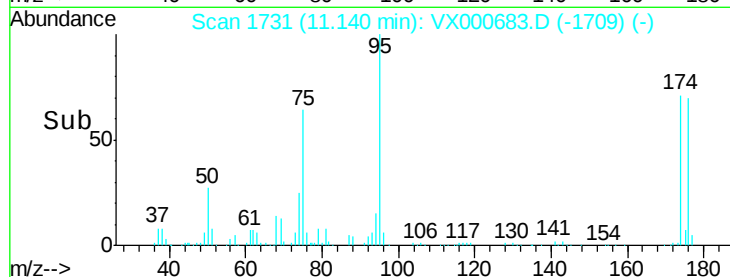
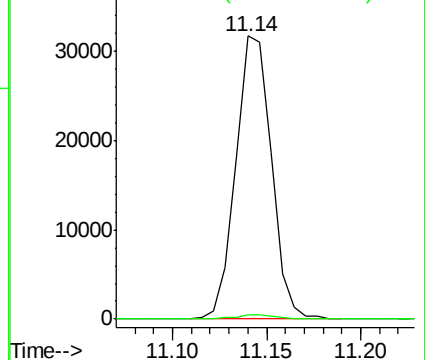
75 100

77 1.6 20.2 60.6#



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: 91.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.05 min

Lab File: VX000683.D

Acq: 05 Apr 2018 02:48

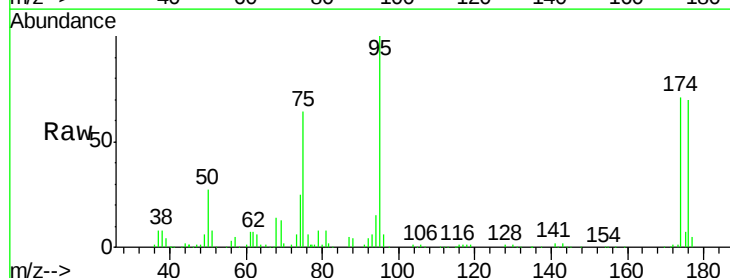
Tgt Ion: 75 Resp: 41685

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

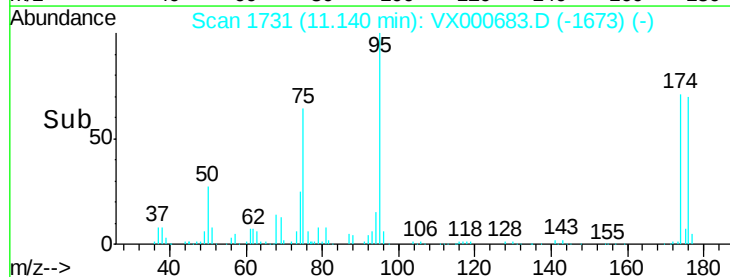
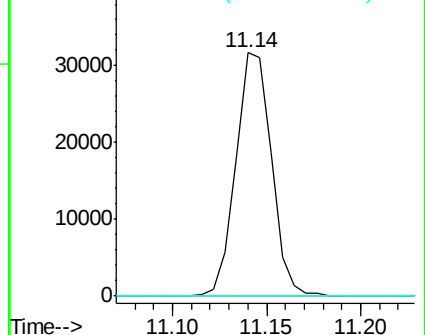
89 0.1 36.3 54.5#

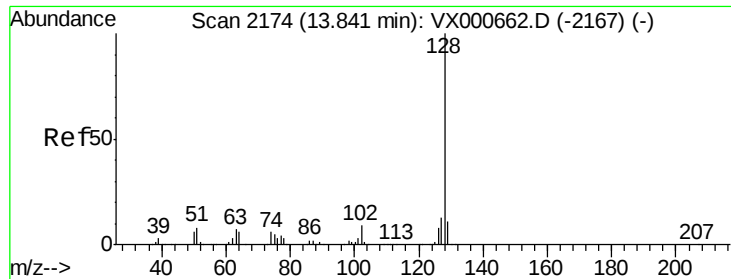


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
 Naphthalene
 Concen: 3.69 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX000683.D
 Acq: 05 Apr 2018 02:48

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-DEBRIS

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	16.0
129	10.3	8.9	13.3

