

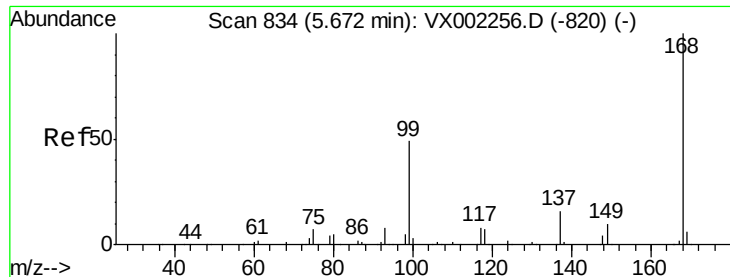
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060718\
 Data File : VX002371.D
 Acq On : 07 Jun 2018 12:21
 Operator : JC/MD
 Sample : J2309-07ME
 Misc : 4.32g/5mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-CONCRETEME

Quant Time: Jun 07 14:42:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	219978	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.87	114	325196	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	172091	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	155034	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
35) Dibromofluoromethane	5.51	113	109524	42.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.66%	
50) Toluene-d8	8.72	98	468966	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	11.15	95	166435	44.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.06%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	449	Below Cal	#	83
5) Bromomethane	1.64	94	2999	Below Cal		82
8) Diethyl Ether	2.03	74	191	Below Cal		82
10) Methyl Iodide	2.48	142	2254	0.676	ug/l	96
11) Tert butyl alcohol	3.03	59	8104	Below Cal	#	76
13) Acrolein	2.30	56	254	Below Cal	#	14
15) Acrylonitrile	3.11	53	116	Below Cal	#	36
16) Acetone	2.50	43	28090	1.726	ug/l	95
18) Methyl Acetate	2.81	43	196924	63.200	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	69	Below Cal	#	4
20) Methylene Chloride	2.84	84	3811	Below Cal	#	93
22) Diisopropyl ether	3.86	45	92	Below Cal	#	62
25) 2-Butanone	4.77	43	14303	6.631	ug/l #	90
28) Bromochloromethane	4.97	49	20	Below Cal	#	13
32) 1,1,1-Trichloroethane	5.48	97	2248	0.547	ug/l #	42
36) 1,1-Dichloropropene	5.67	75	15953	4.666	ug/l #	51
37) Ethyl Acetate	4.77	43	14303	3.479	ug/l #	16
38) Carbon Tetrachloride	5.65	117	20512	5.735	ug/l #	16
39) Methylcyclohexane	7.45	83	707	0.429	ug/l #	52
51) 4-Methyl-2-Pentanone	8.67	43	4402	1.012	ug/l	98
59) 2-Hexanone	9.52	43	10978	3.268	ug/l	93
76) 1,2,3-Trichloropropane	11.15	75	87471	23.164	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.15	75	87471	81.199	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	12.93	75	1496	1.817	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

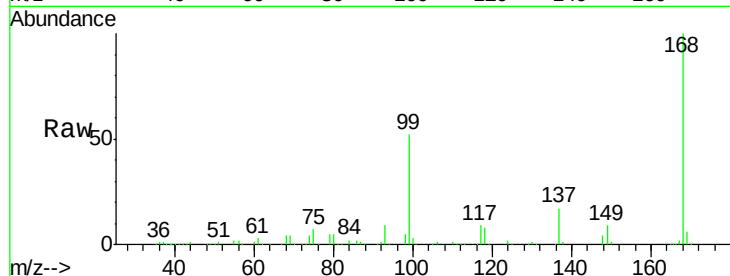
OILY-CONCRETEME

Tot Ion:168 Resp: 219978

Ion Ratio Lower Upper

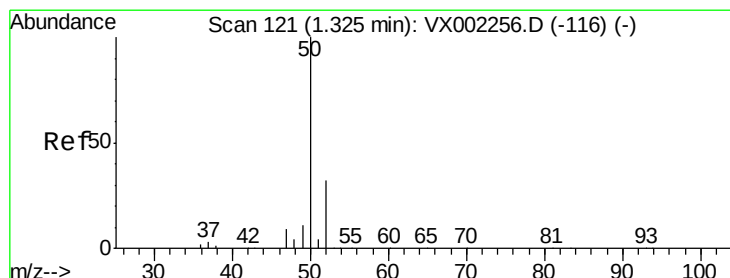
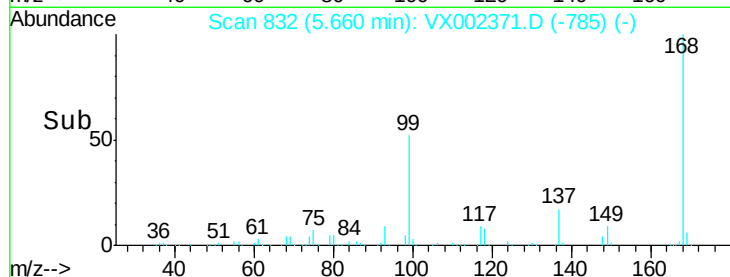
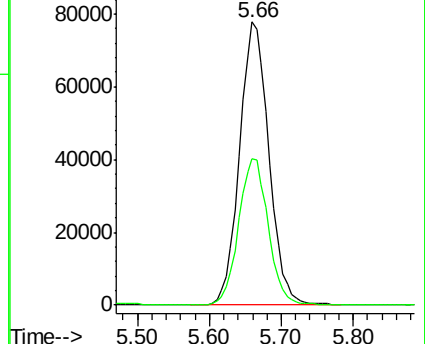
168 100

99 51.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002371.D

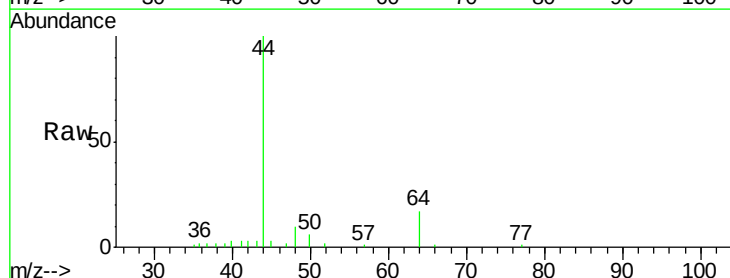
Acq: 07 Jun 2018 12:21

Tgt Ion: 50 Resp: 449

Ion Ratio Lower Upper

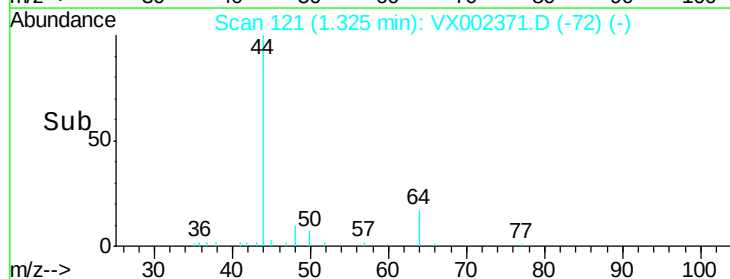
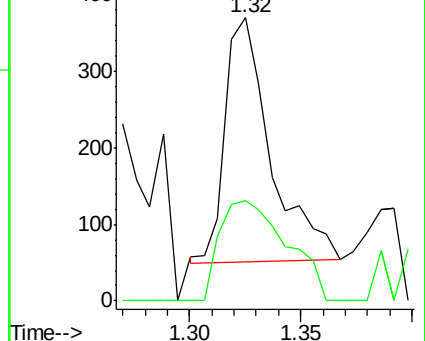
50 100

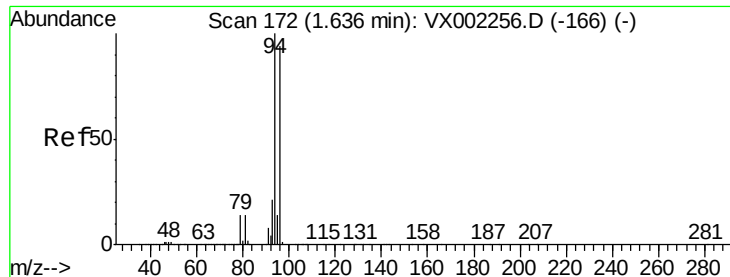
52 41.6 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

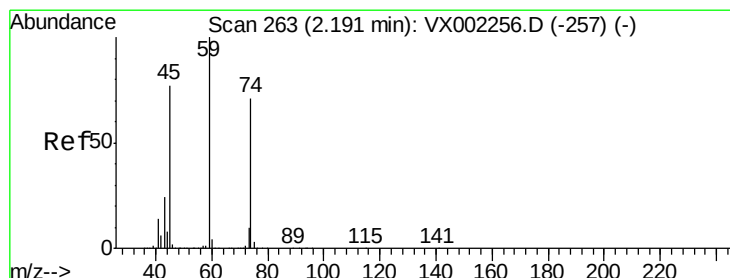
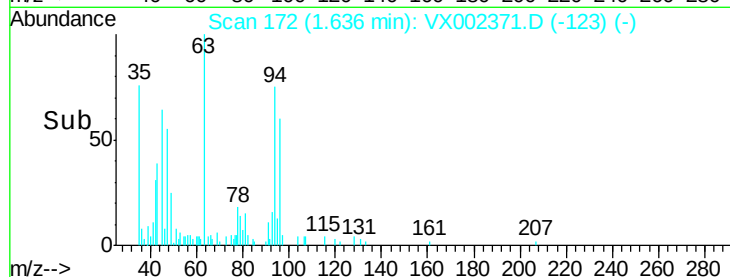
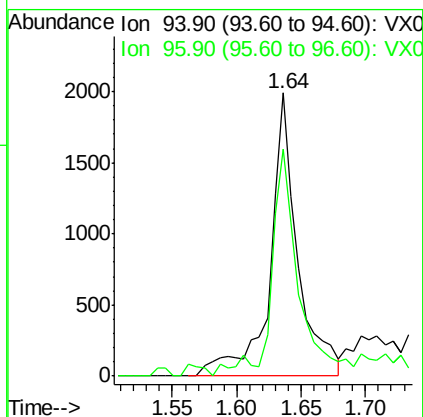
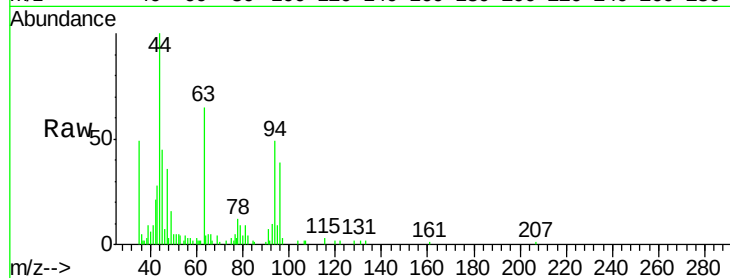
OILY-CONCRETEME

Tot Ion: 94 Resp: 2999

Ion Ratio Lower Upper

94 100

96 75.9 74.9 112.3



#8

Diethyl Ether

Concen: Below Cal

RT: 2.03 min Scan# 237

Delta R.T. -0.16 min

Lab File: VX002371.D

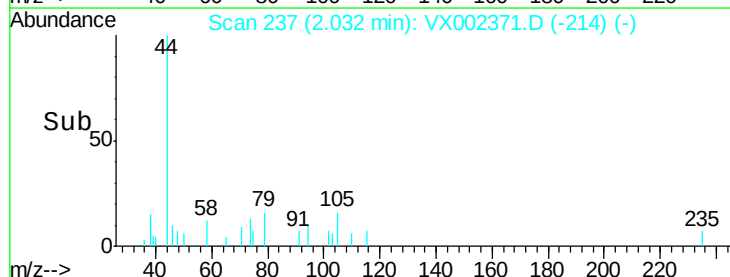
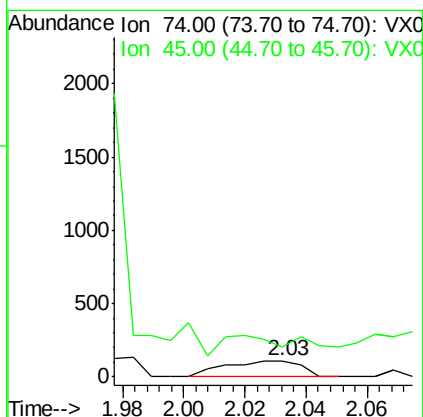
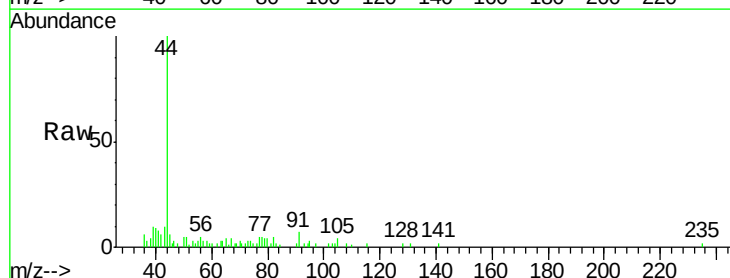
Acq: 07 Jun 2018 12:21

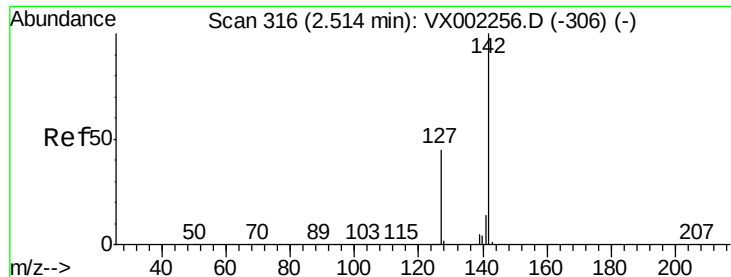
Tgt Ion: 74 Resp: 191

Ion Ratio Lower Upper

74 100

45 87.4 53.1 159.4

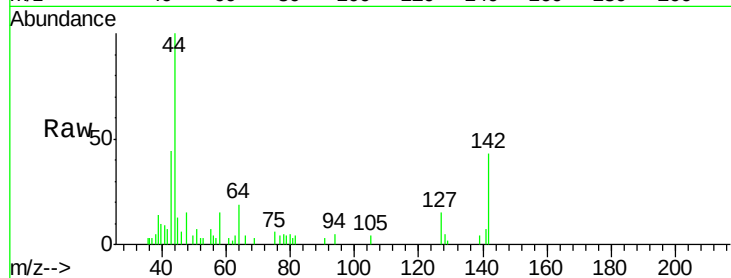




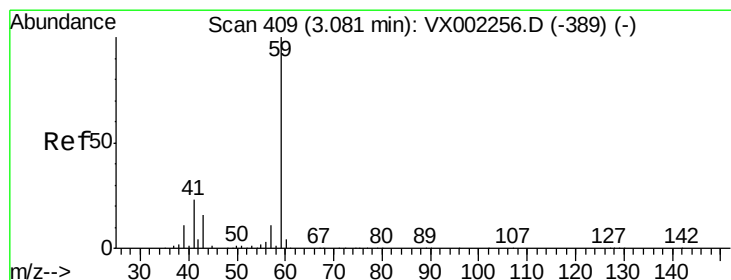
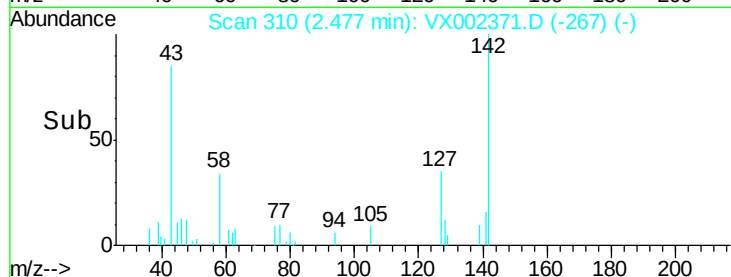
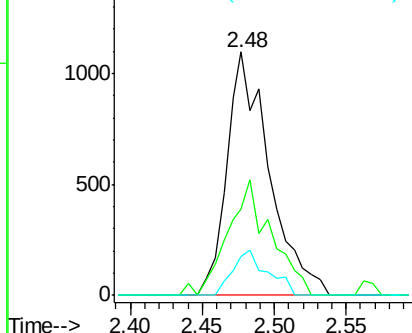
#10
Methvl Iodide
Concen: 0.676 ug/l
RT: 2.48 min Scan# 310
Delta R.T. -0.04 min
Lab File: VX002371.D
Acq: 07 Jun 2018 12:21

Instrument :
MSVOA_X
ClientSampleId :
OILY-CONCRETEME

Tot Ion:142 Resp: 2254
Ion Ratio Lower Upper
142 100
127 48.3 36.6 55.0
141 15.2 11.3 16.9

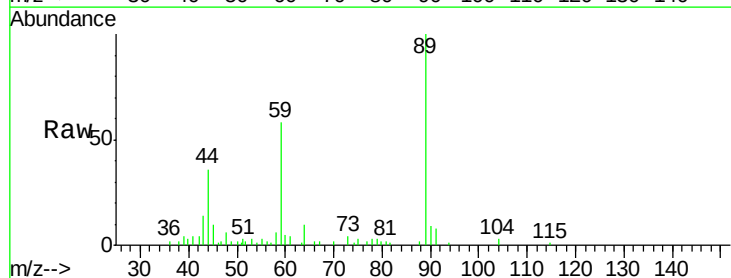


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

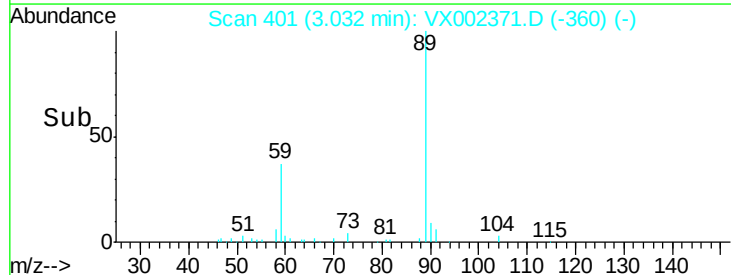
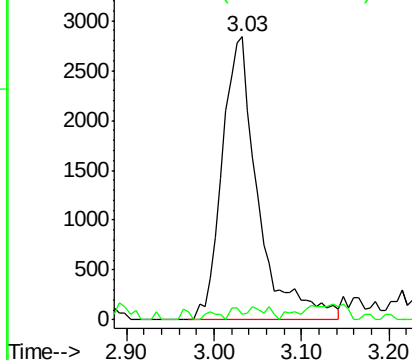


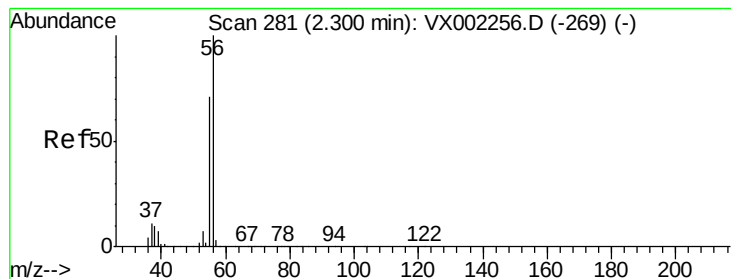
#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX002371.D
Acq: 07 Jun 2018 12:21

Tgt Ion: 59 Resp: 8104
Ion Ratio Lower Upper
59 100
57 1.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

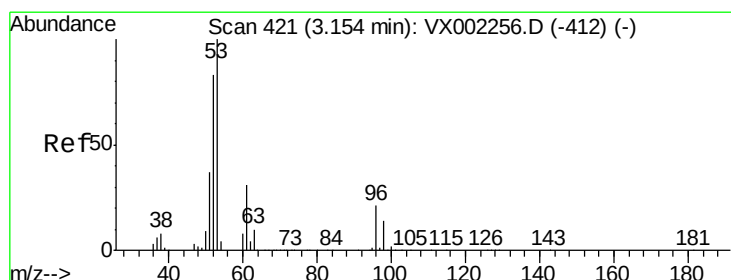
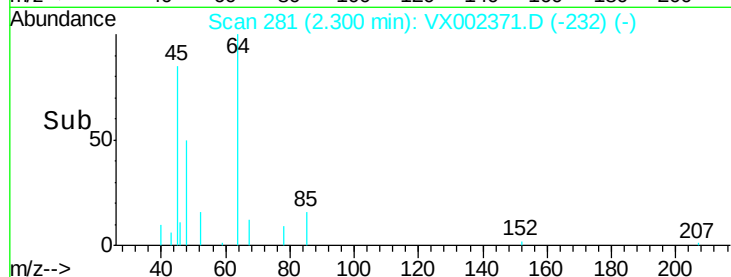
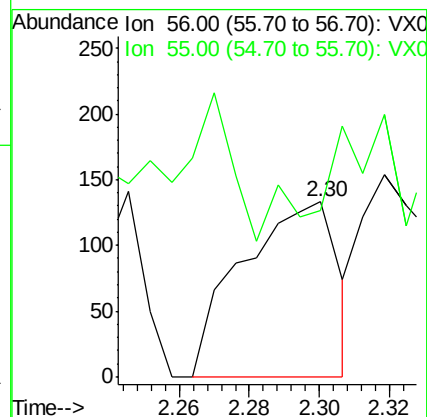
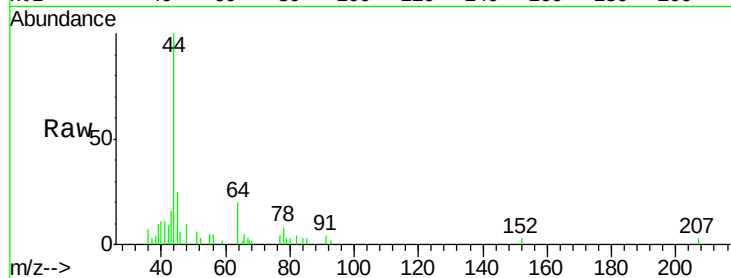
OILY-CONCRETEME

Tot Ion: 56 Resp: 254

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#15

Acrylonitrile

Concen: Below Cal

RT: 3.11 min Scan# 413

Delta R.T. -0.05 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

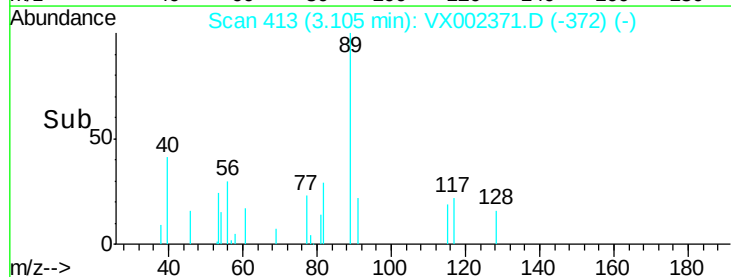
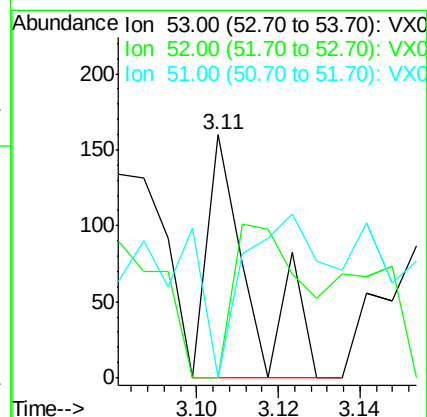
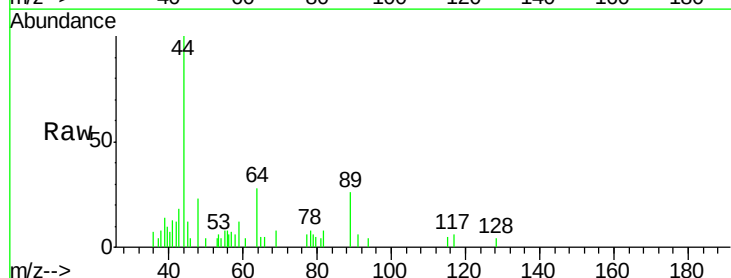
Tgt Ion: 53 Resp: 116

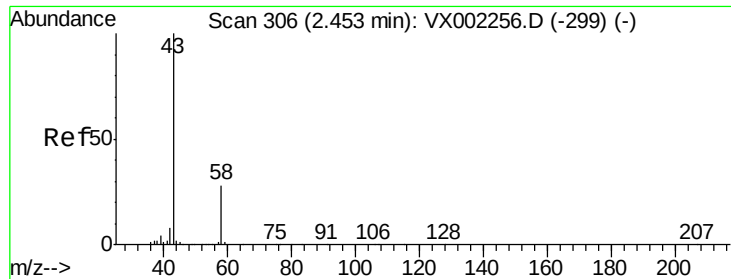
Ion Ratio Lower Upper

53 100

52 100.9 66.7 100.1#

51 135.3 29.9 44.9#





#16

Acetone

Concen: 1.726 ug/l

RT: 2.50 min Scan# 314

Delta R.T. 0.05 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

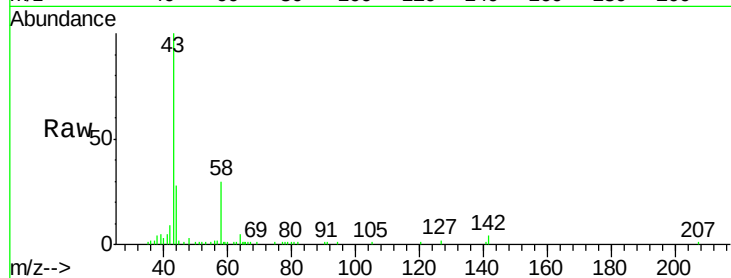
OILY-CONCRETEME

Tot Ion: 43 Resp: 28090

Ion Ratio Lower Upper

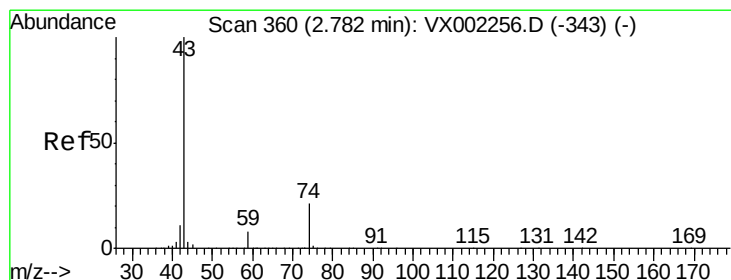
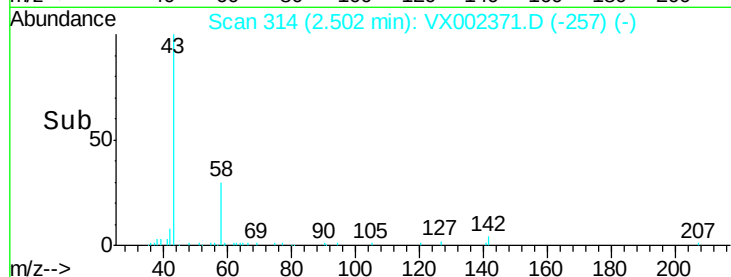
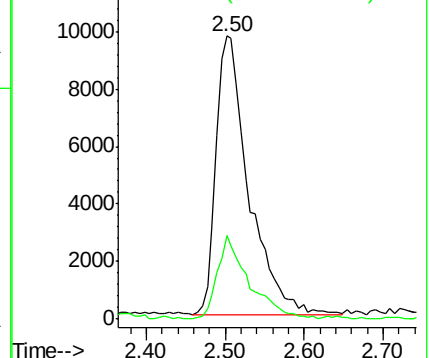
43 100

58 30.0 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 63.200 ug/l

RT: 2.81 min Scan# 364

Delta R.T. 0.02 min

Lab File: VX002371.D

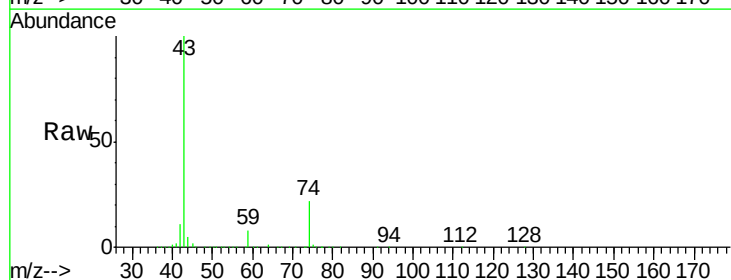
Acq: 07 Jun 2018 12:21

Tgt Ion: 43 Resp: 196924

Ion Ratio Lower Upper

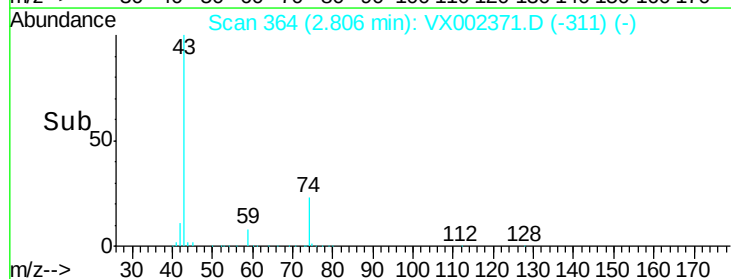
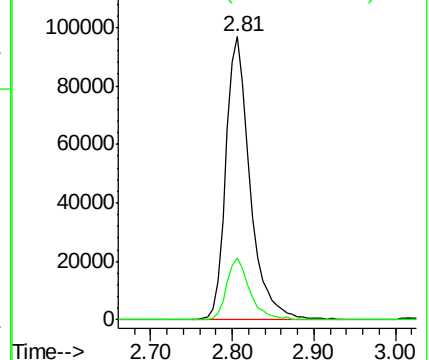
43 100

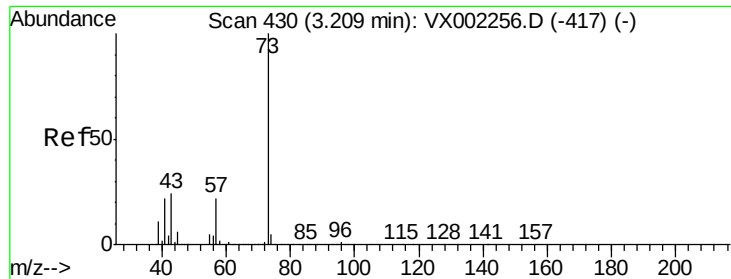
74 21.2 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



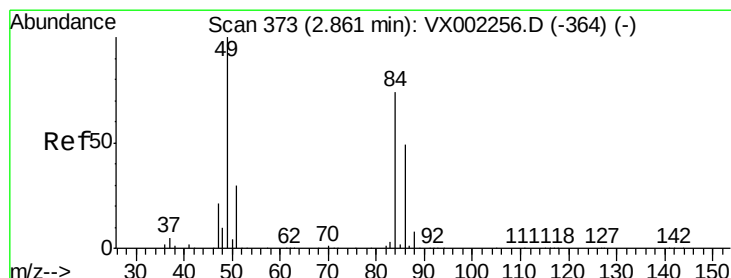
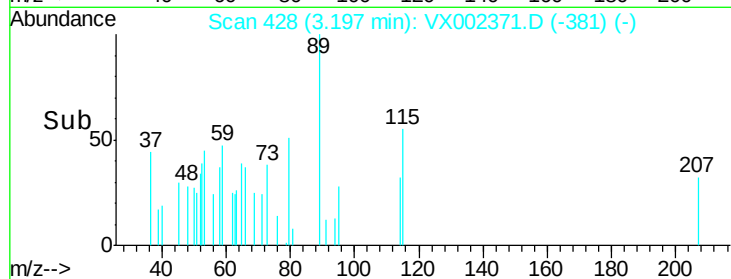
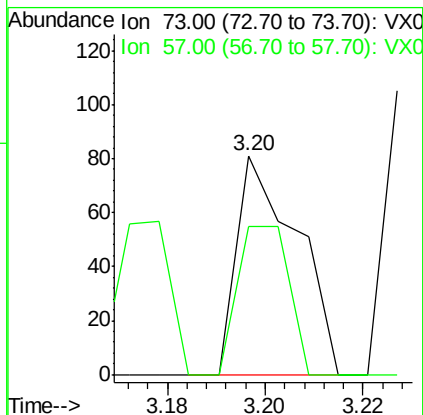
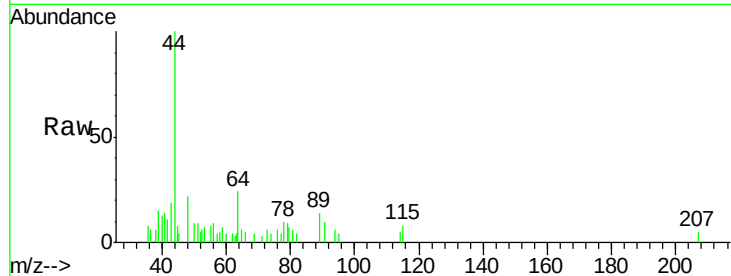


#19

Methyl tert-butyl Ether
 Concen: Below Cal
 RT: 3.20 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VX002371.D
 Acq: 07 Jun 2018 12:21

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-CONCRETEME

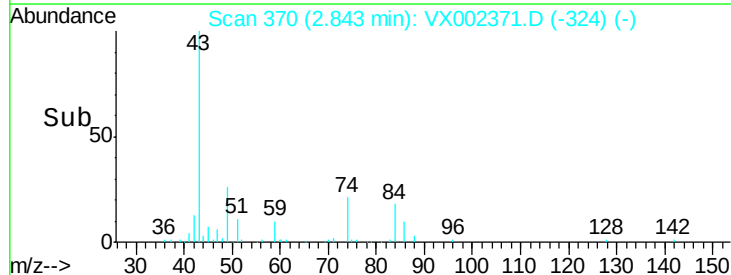
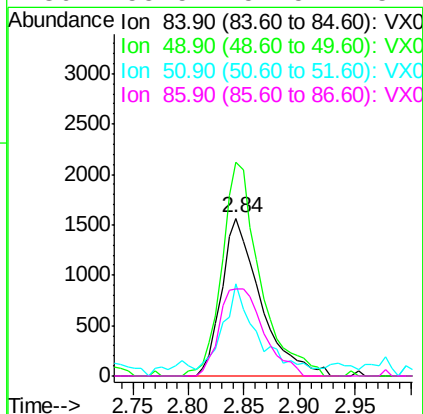
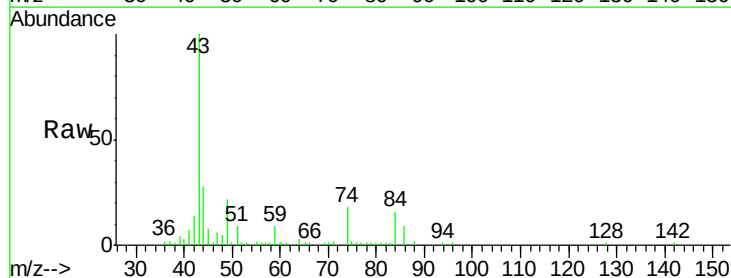
Tot Ion: 73 Resp: 69
 Ion Ratio Lower Upper
 73 100
 57 67.9 17.7 26.5#

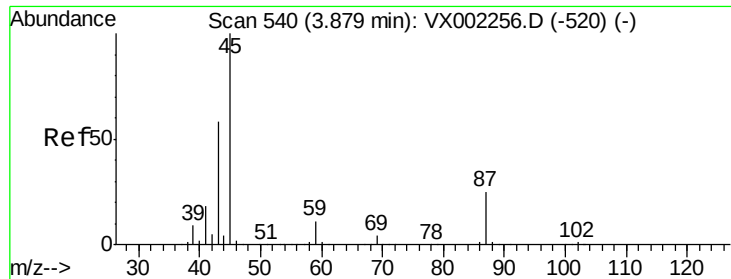


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.84 min Scan# 370
 Delta R.T. -0.02 min
 Lab File: VX002371.D
 Acq: 07 Jun 2018 12:21

Tgt Ion: 84 Resp: 3811
 Ion Ratio Lower Upper
 84 100
 49 135.2 107.8 161.6
 51 52.1 32.8 49.2#
 86 55.5 52.5 78.7



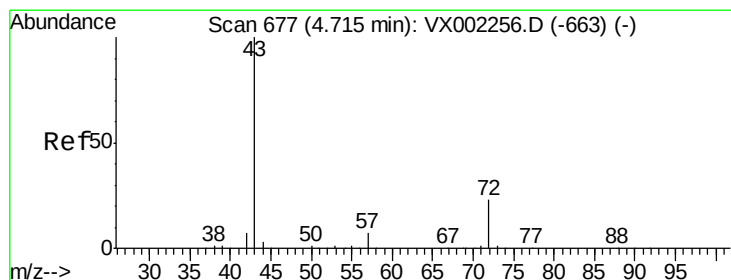
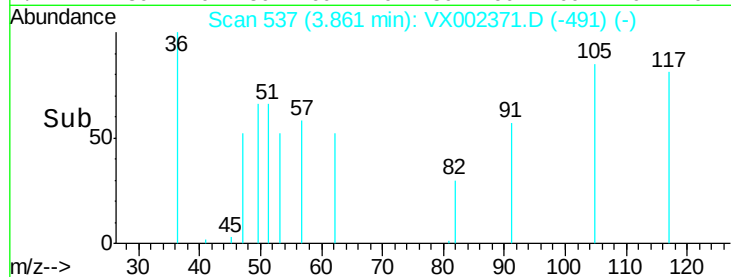
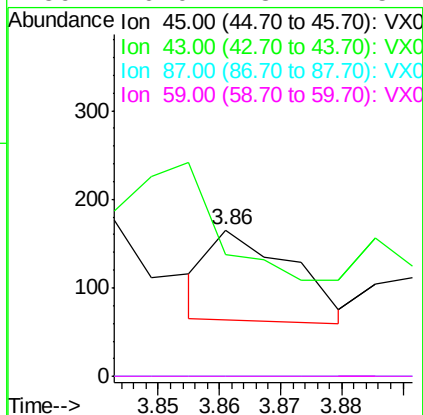
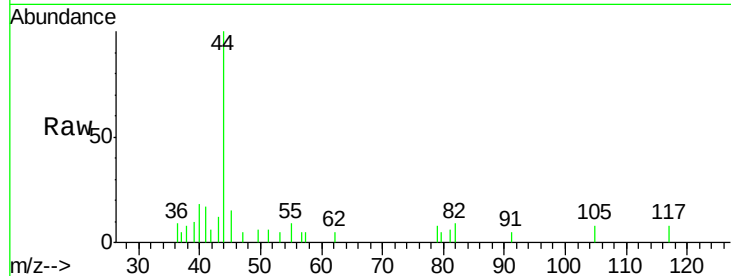


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.86 min Scan# 537
Delta R.T. -0.02 min
Lab File: VX002371.D
Acq: 07 Jun 2018 12:21

Instrument :
MSVOA_X
ClientSampleId :
OILY-CONCRETEME

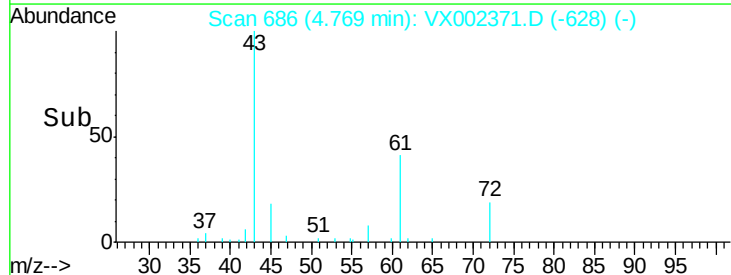
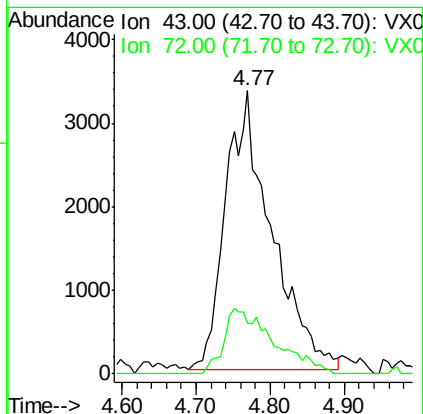
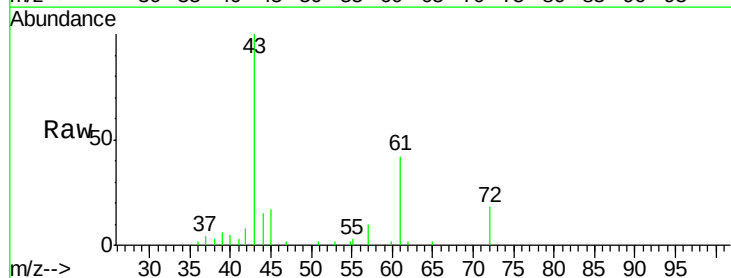
Tot Ion:	45	Resp:	92
Ion	Ratio	Lower	Upper
45	100		
43	32.6	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

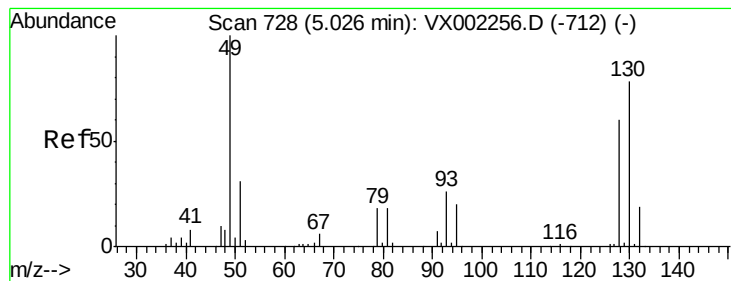


#25

2-Butanone
Concen: 6.631 ug/l
RT: 4.77 min Scan# 686
Delta R.T. 0.05 min
Lab File: VX002371.D
Acq: 07 Jun 2018 12:21

Tgt Ion:	43	Resp:	14303
Ion	Ratio	Lower	Upper
43	100		
72	18.3	18.5	27.7#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.97 min Scan# 719

Delta R.T. -0.05 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

OILY-CONCRETEME

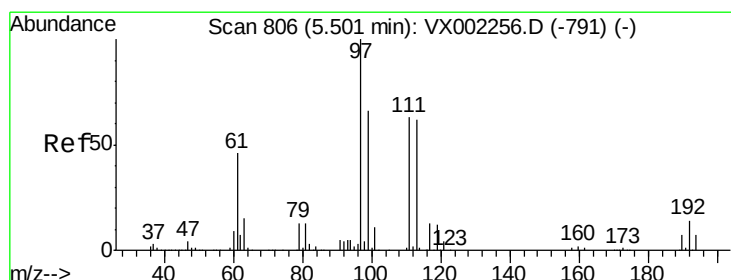
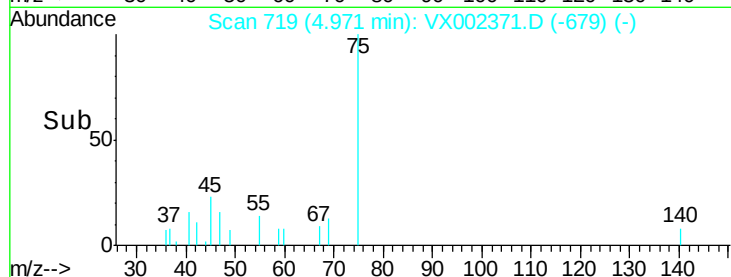
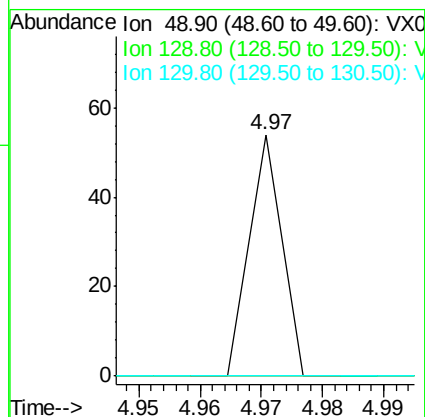
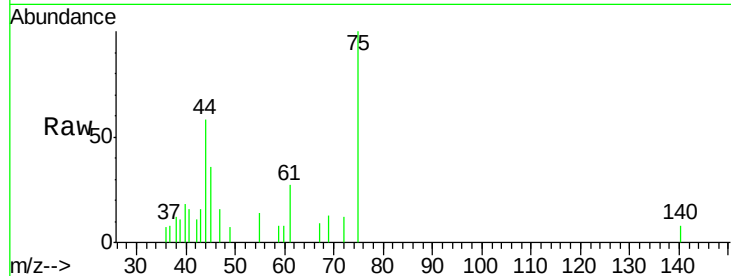
Tot Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 0.0 61.2 91.8#



#32

1,1,1-Trichloroethane

Concen: 0.547 ug/l

RT: 5.48 min Scan# 803

Delta R.T. -0.02 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

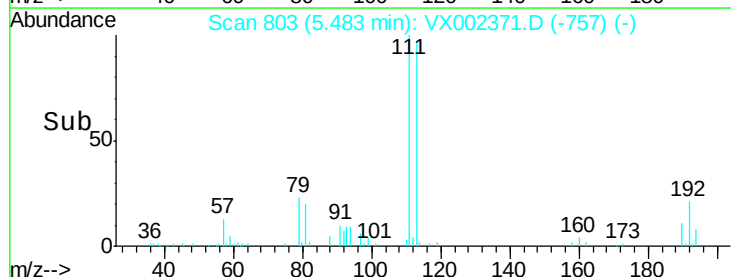
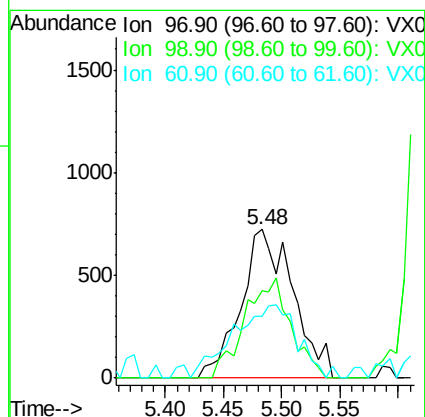
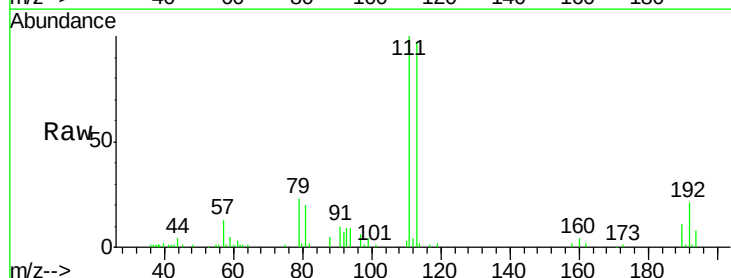
Tgt Ion: 97 Resp: 2248

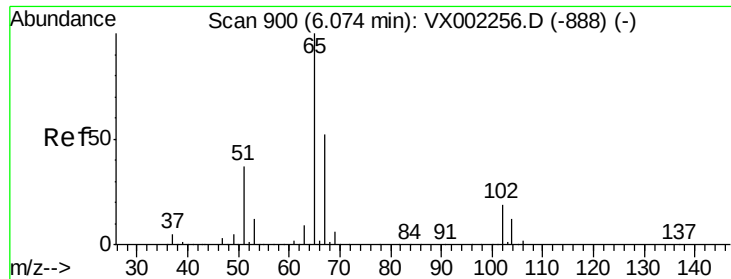
Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

61 60.8 36.4 54.6#

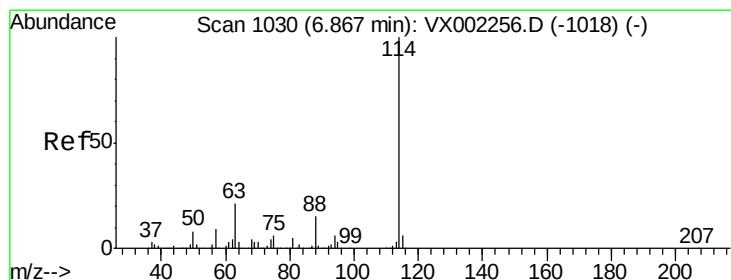
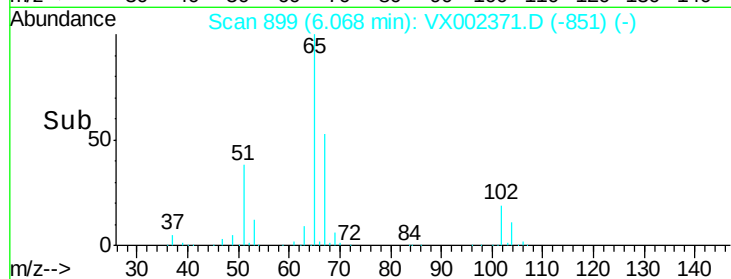
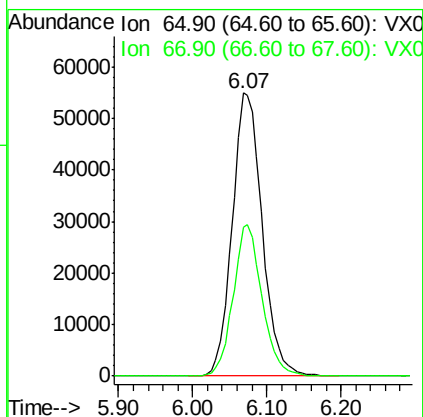
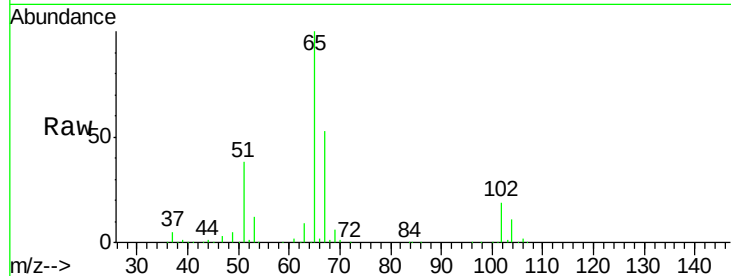




#33
 1,2-Dichloroethane-d4
 Concen: 49.232 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002371.D
 Acq: 07 Jun 2018 12:21

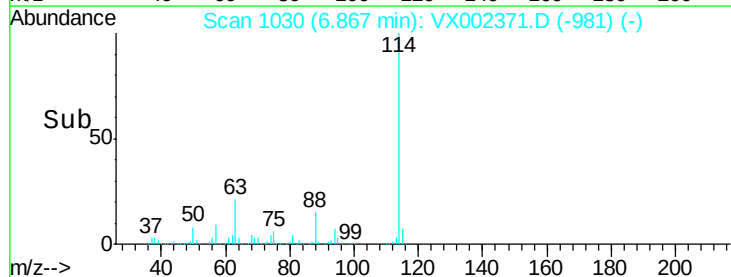
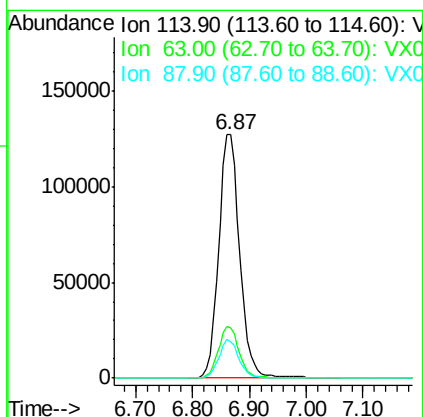
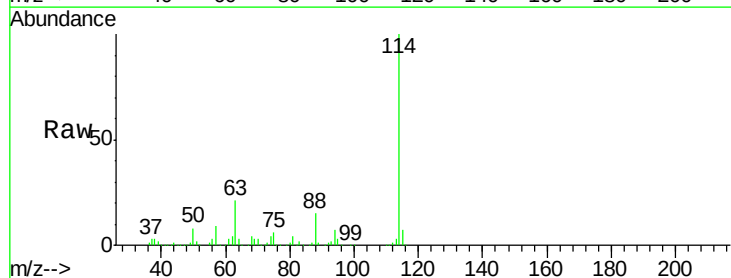
Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-CONCRETEME

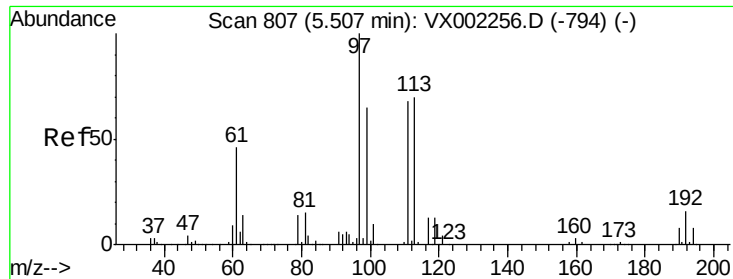
Tot Ion: 65 Resp: 155034
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002371.D
 Acq: 07 Jun 2018 12:21

Tgt Ion: 114 Resp: 325196
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 42.827 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

OILY-CONCRETEME

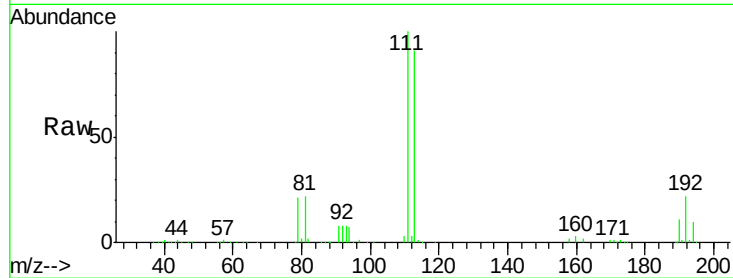
Tot Ion:113 Resp: 109524

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

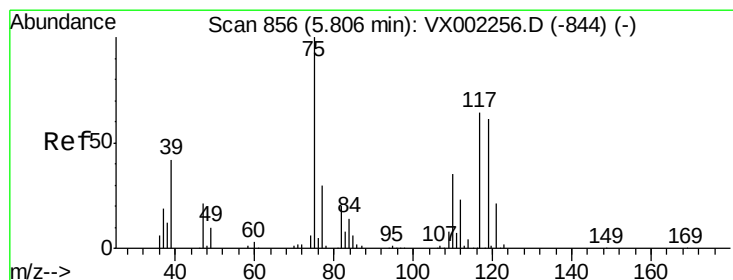
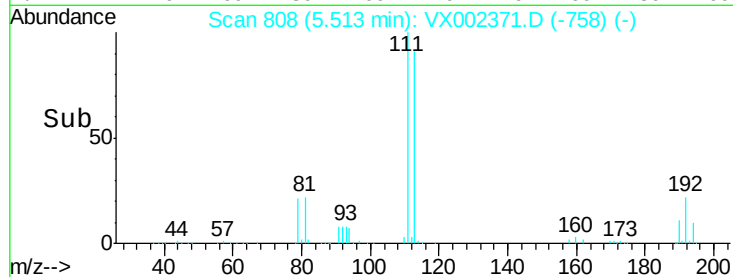
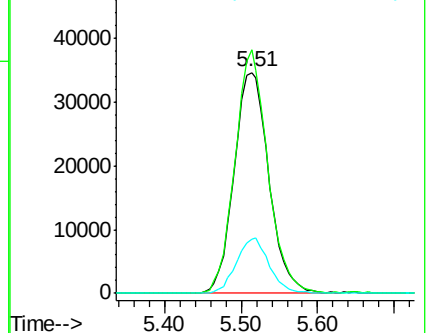
192 23.5 19.1 28.7



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: 4.666 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

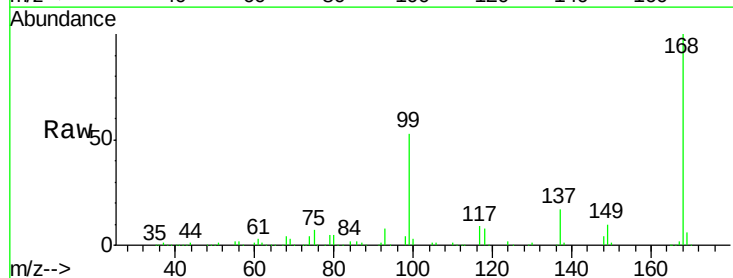
Tgt Ion: 75 Resp: 15953

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.4#

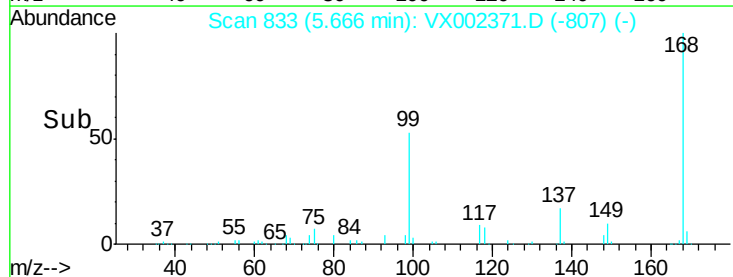
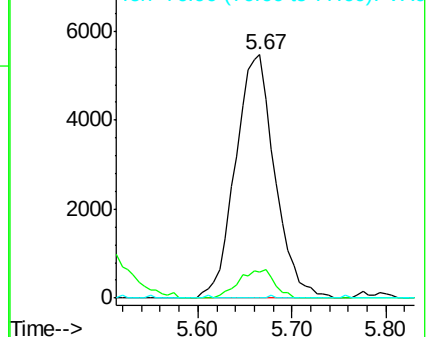
77 0.1 24.3 36.5#

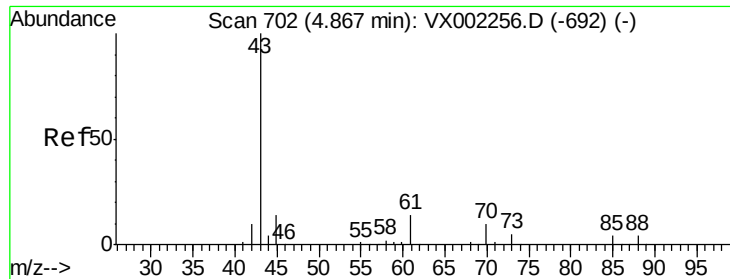


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 3.479 ug/l

RT: 4.77 min Scan# 686

Delta R.T. -0.10 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

OILY-CONCRETEME

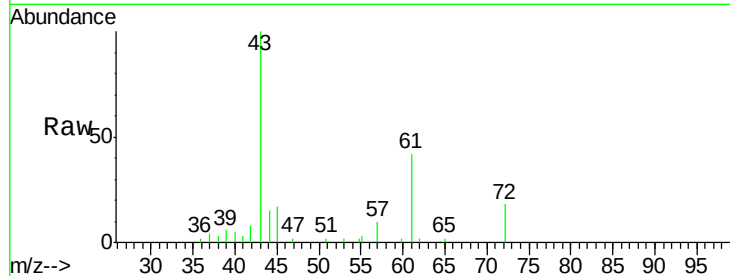
Tot Ion: 43 Resp: 14303

Ion Ratio Lower Upper

43 100

61 63.0 10.4 15.6#

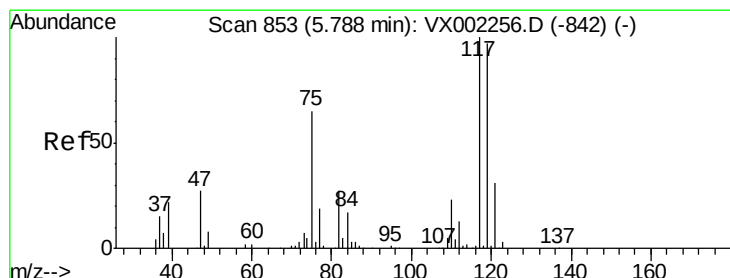
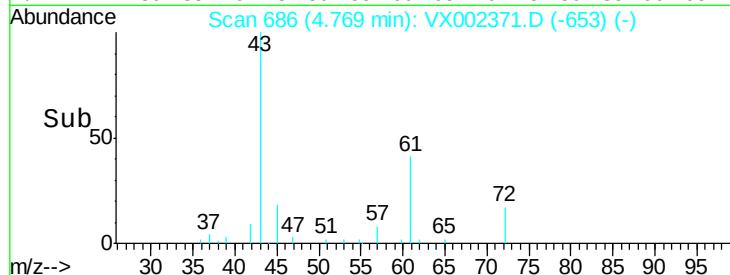
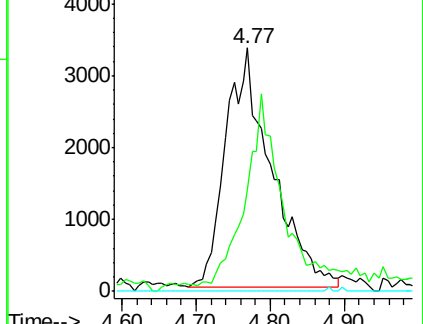
70 0.0 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VX002371.D (-653) (-)

Ion 60.90 (60.60 to 61.60): VX002371.D (-653) (-)

Ion 70.00 (69.70 to 70.70): VX002371.D (-653) (-)



#38

Carbon Tetrachloride

Concen: 5.735 ug/l

RT: 5.65 min Scan# 831

Delta R.T. -0.13 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

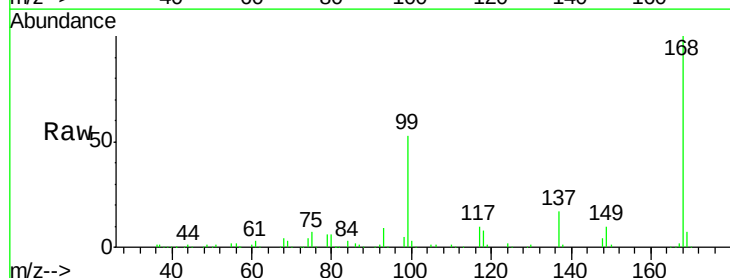
Tgt Ion: 117 Resp: 20512

Ion Ratio Lower Upper

117 100

119 5.0 77.4 116.0#

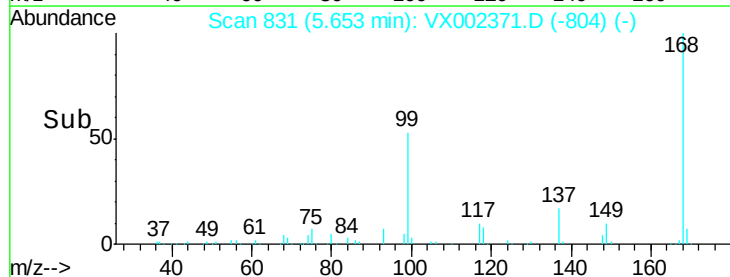
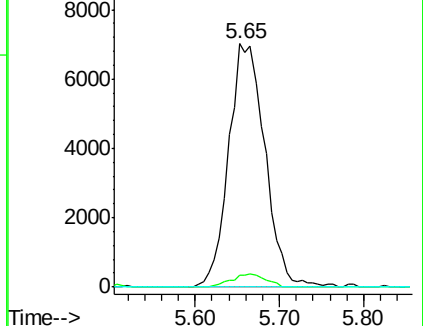
121 0.0 24.4 36.6#

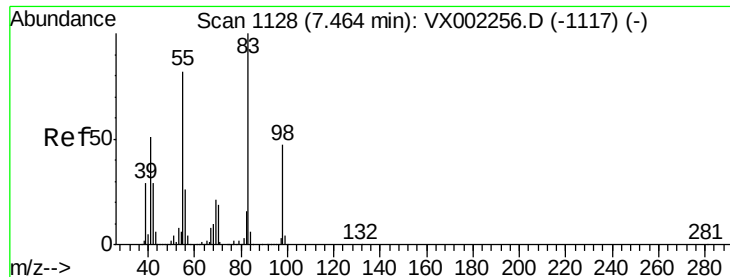


Abundance Ion 116.80 (116.50 to 117.50): VX002371.D (-804) (-)

Ion 118.80 (118.50 to 119.50): VX002371.D (-804) (-)

Ion 120.80 (120.50 to 121.50): VX002371.D (-804) (-)

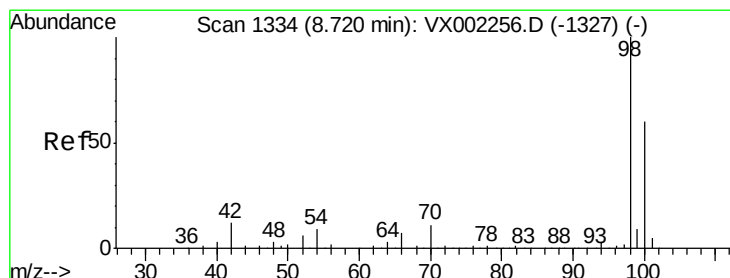
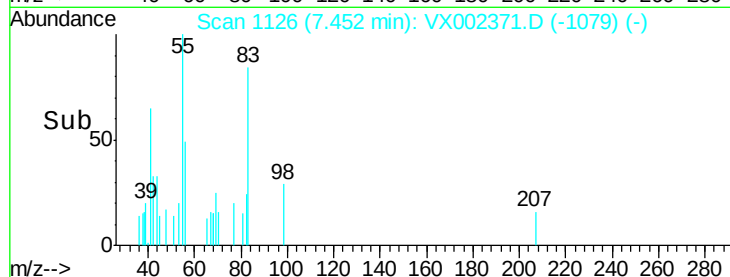
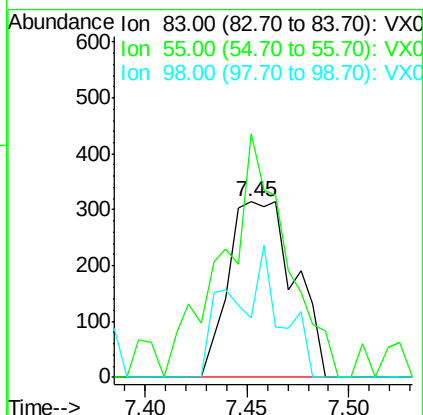
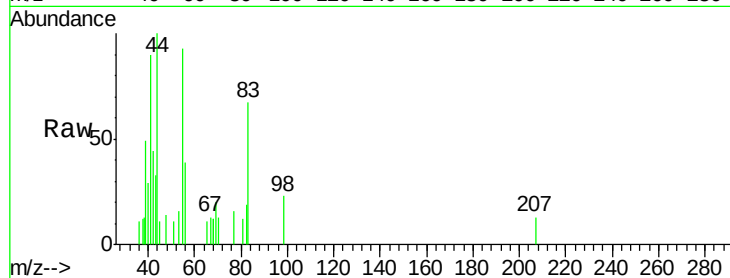




#39
Methylcyclohexane
Concen: 0.429 ug/l
RT: 7.45 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VX002371.D
Acq: 07 Jun 2018 12:21

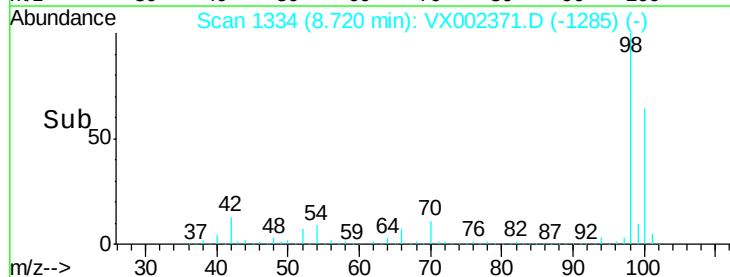
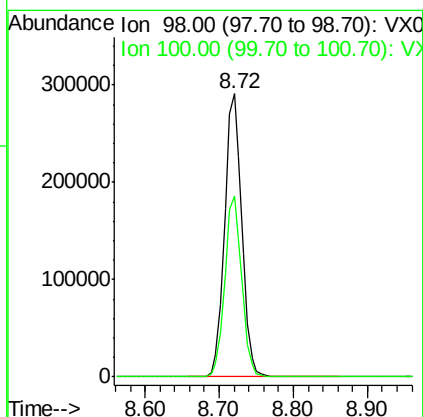
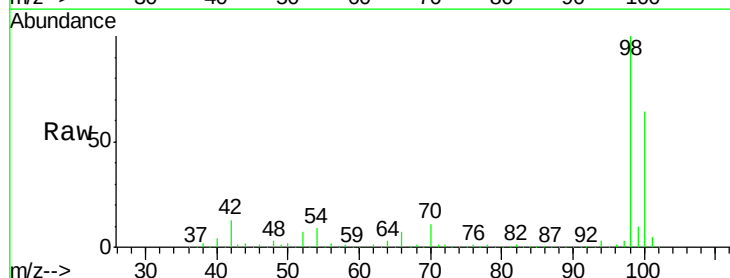
Instrument :
MSVOA_X
ClientSampleId :
OILY-CONCRETEME

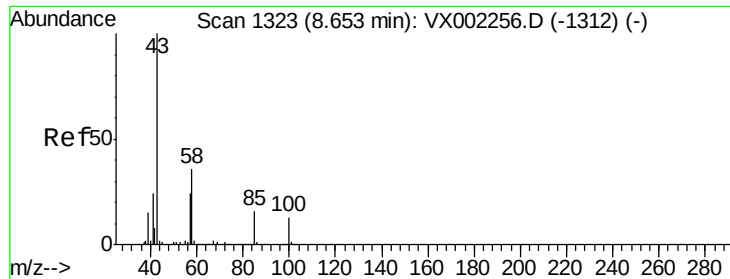
Tot Ion: 83 Resp: 707
Ion Ratio Lower Upper
83 100
55 138.9 65.4 98.0#
98 34.1 37.4 56.0#



#50
Toluene-d8
Concen: 47.843 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002371.D
Acq: 07 Jun 2018 12:21

Tgt Ion: 98 Resp: 468966
Ion Ratio Lower Upper
98 100
100 62.8 50.9 76.3

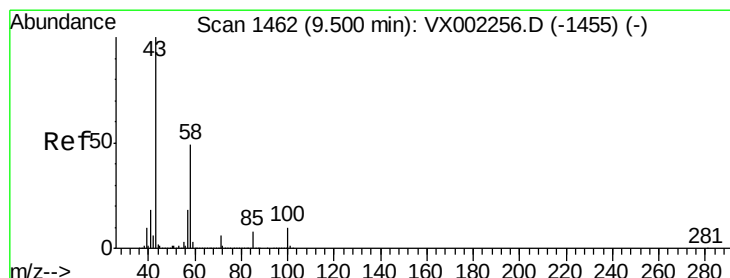
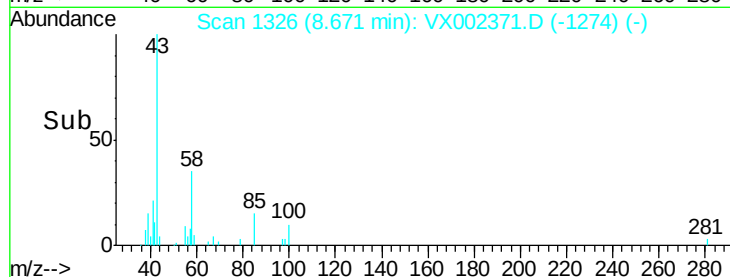
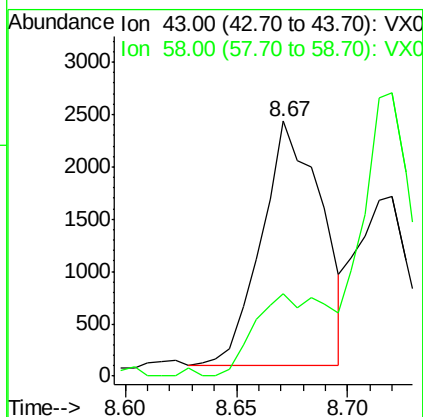
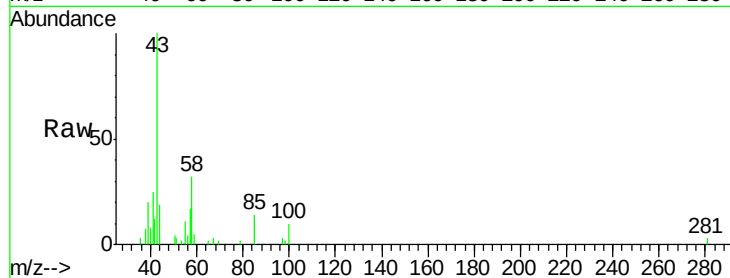




#51
 4-Methyl-2-Pentanone
 Concen: 1.012 ug/l
 RT: 8.67 min Scan# 1326
 Delta R.T. 0.02 min
 Lab File: VX002371.D
 Acq: 07 Jun 2018 12:21

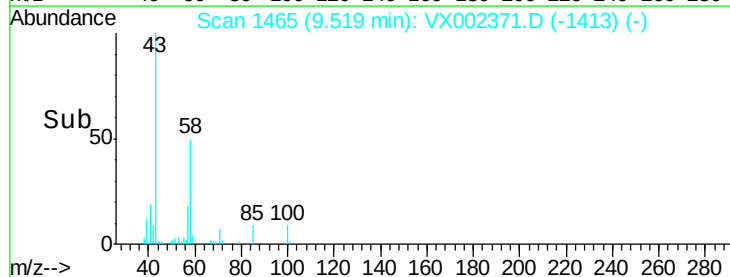
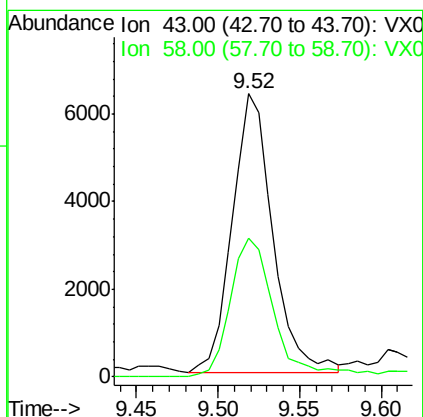
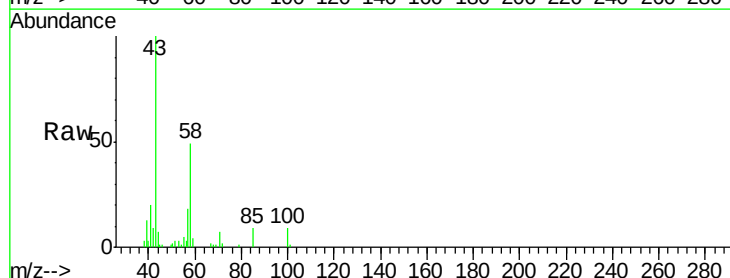
Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-CONCRETEME

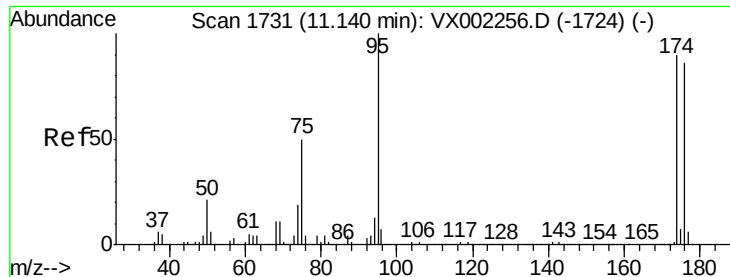
Tot Ion: 43 Resp: 4402
 Ion Ratio Lower Upper
 43 100
 58 37.0 28.6 42.8



#59
 2-Hexanone
 Concen: 3.268 ug/l
 RT: 9.52 min Scan# 1465
 Delta R.T. 0.02 min
 Lab File: VX002371.D
 Acq: 07 Jun 2018 12:21

Tgt Ion: 43 Resp: 10978
 Ion Ratio Lower Upper
 43 100
 58 54.2 24.6 73.6





#62

4-Bromofluorobenzene

Concen: 44.032 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

OILY-CONCRETEME

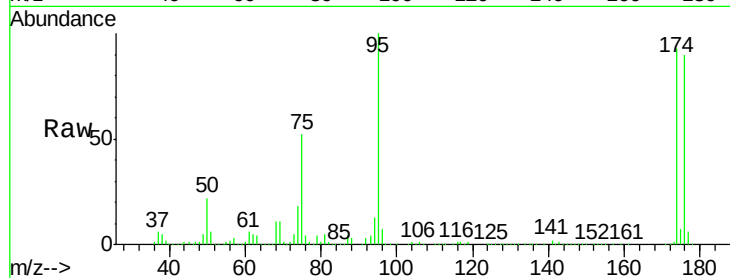
Tot Ion: 95 Resp: 166435

Ion Ratio Lower Upper

95 100

174 92.2 0.0 187.4

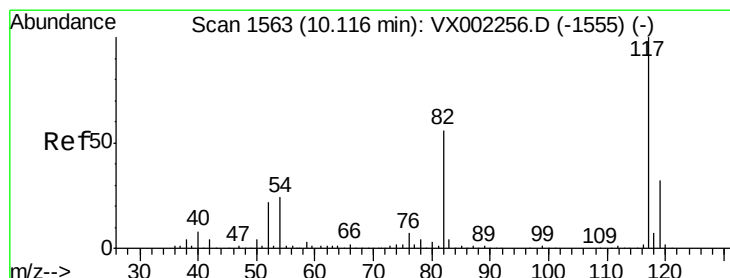
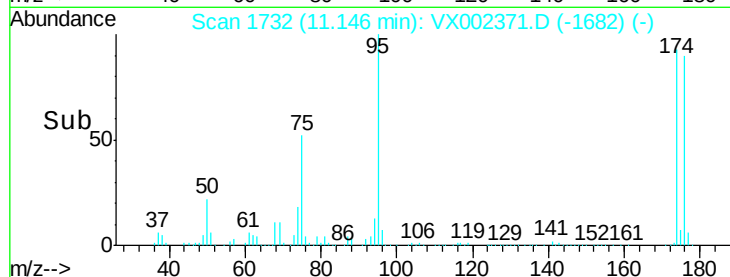
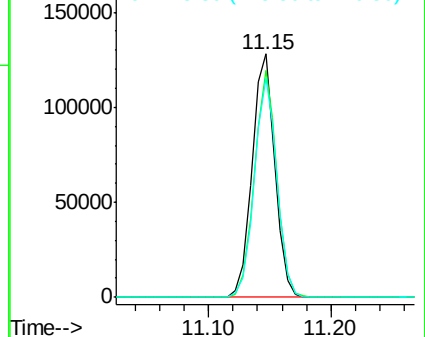
176 89.3 0.0 181.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

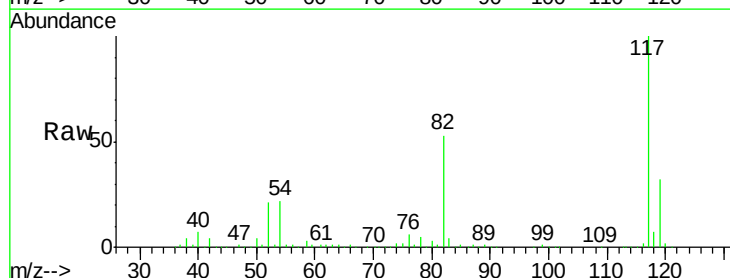
Tgt Ion: 117 Resp: 298918

Ion Ratio Lower Upper

117 100

82 53.2 45.0 67.4

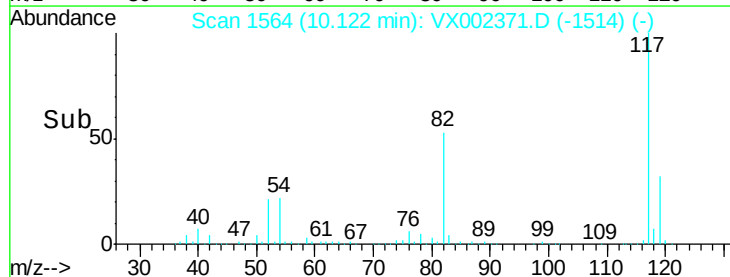
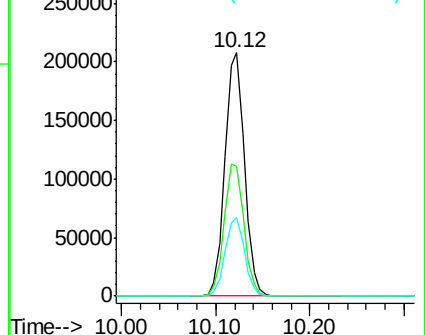
119 32.2 25.8 38.6

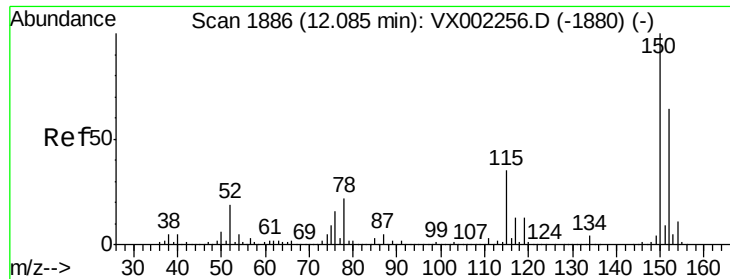


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

OILY-CONCRETEME

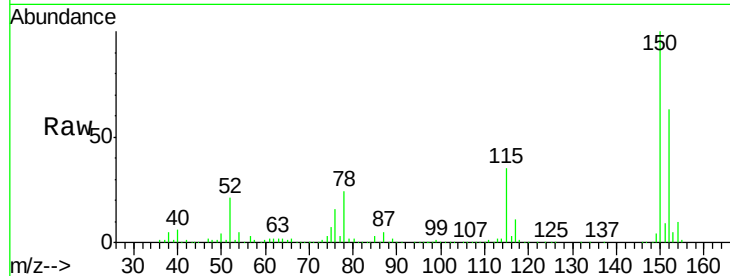
Tot Ion:152 Resp: 172091

Ion Ratio Lower Upper

152 100

115 55.7 40.1 120.2

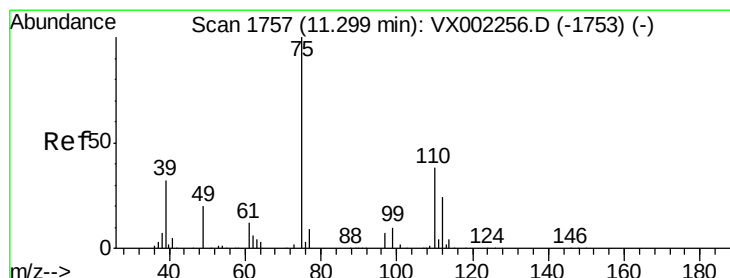
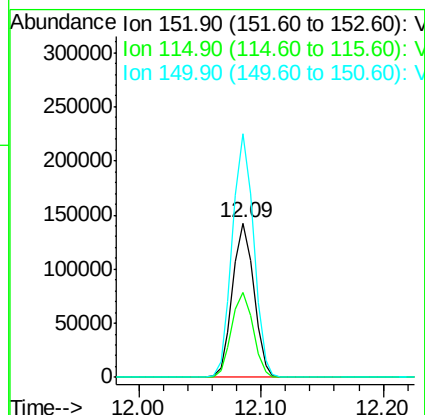
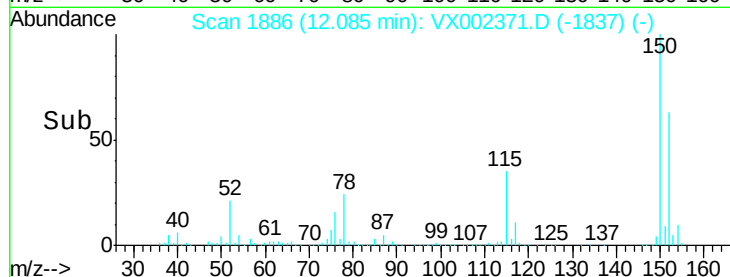
150 157.4 0.0 347.2



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



#76

1,2,3-Trichloropropane

Concen: 23.164 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.15 min

Lab File: VX002371.D

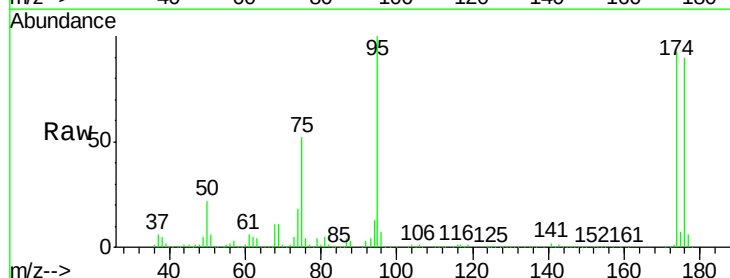
Acq: 07 Jun 2018 12:21

Tgt Ion: 75 Resp: 87471

Ion Ratio Lower Upper

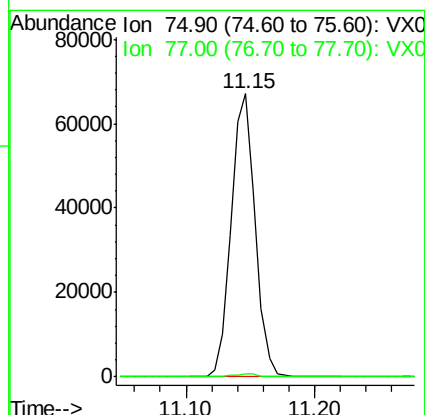
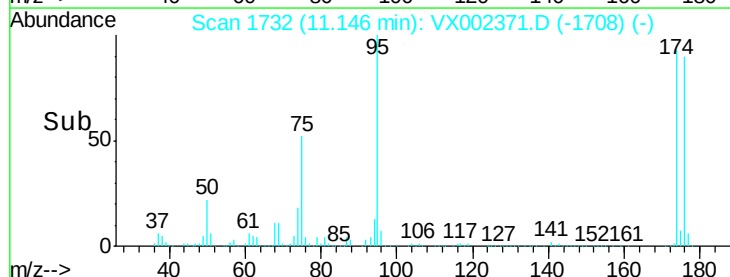
75 100

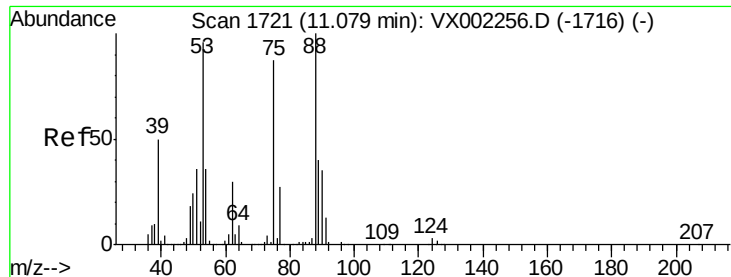
77 1.2 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 81.199 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

Instrument :

MSVOA_X

ClientSampleId :

OILY-CONCRETEME

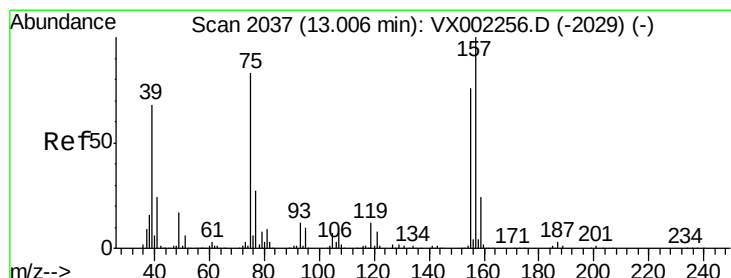
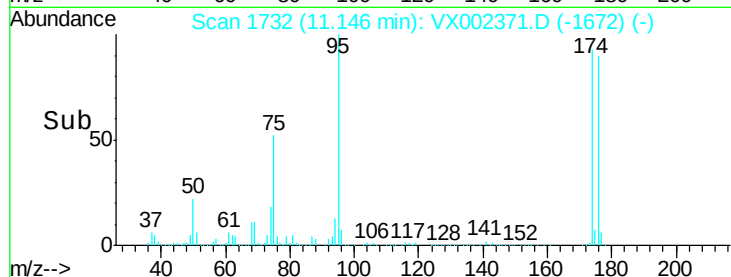
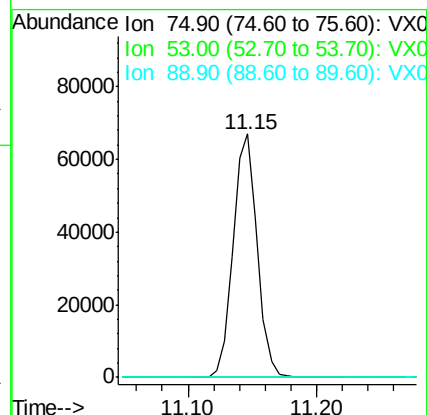
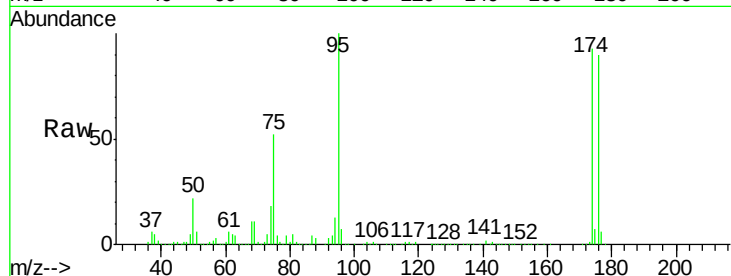
Tot Ion: 75 Resp: 87471

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.817 ug/l

RT: 12.93 min Scan# 2025

Delta R.T. -0.07 min

Lab File: VX002371.D

Acq: 07 Jun 2018 12:21

Tgt Ion: 75 Resp: 1496

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

157 0.0 60.1 180.3#

