

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110419\
 Data File : VX013323.D
 Acq On : 04 Nov 2019 14:30
 Operator : JC/SP
 Sample : K5683-02DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-WATERDL

Quant Time: Nov 05 00:33:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	757865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1158900	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1052861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	519043	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	428863	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
35) Dibromofluoromethane	5.48	113	351022	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
50) Toluene-d8	8.71	98	1400498	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.13	95	491760	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	

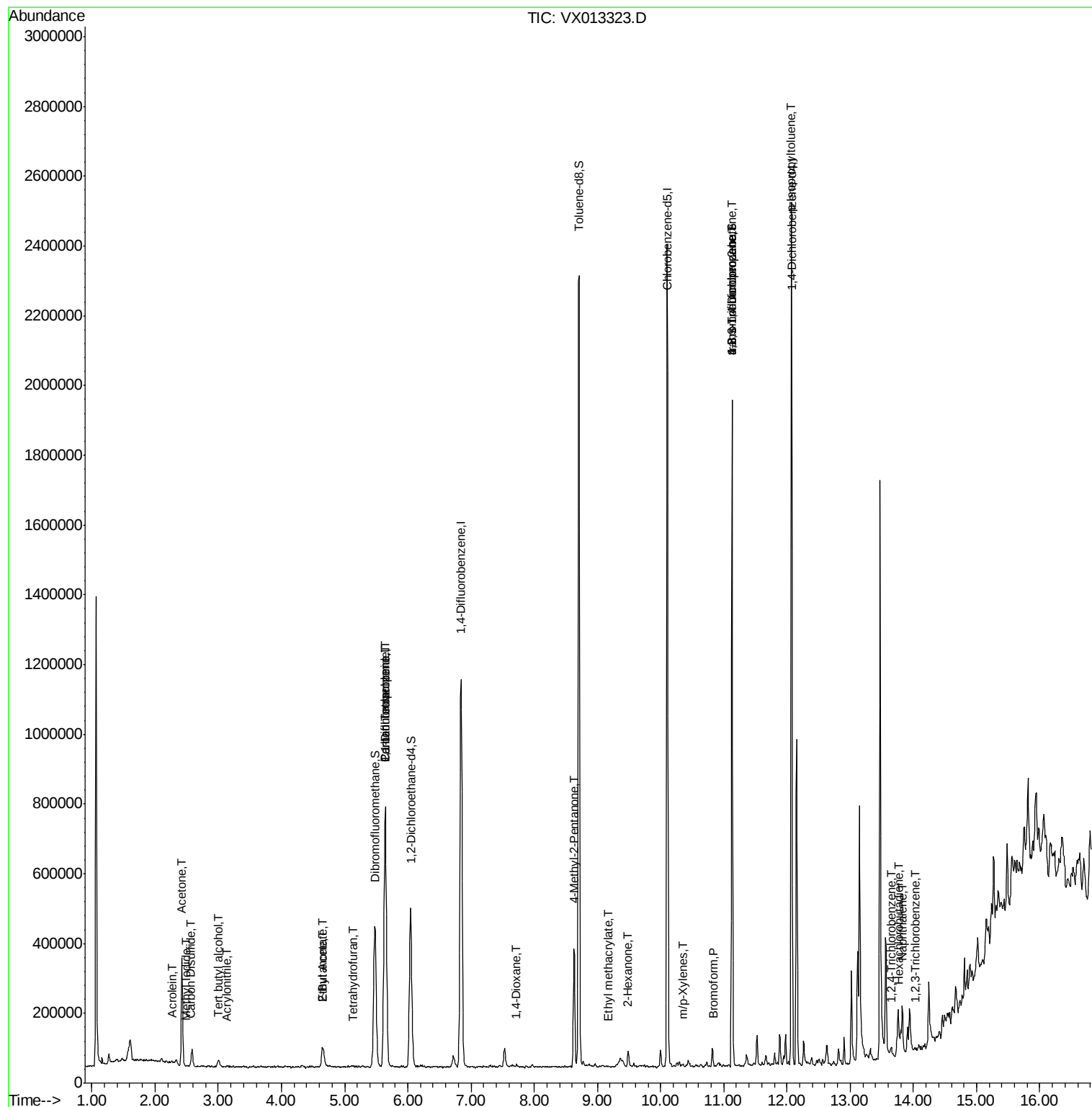
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	817	Below Cal	#	79
10) Methyl Iodide	2.50	142	2234	0.254	ug/l #	84
11) Tert butyl alcohol	3.01	59	19377	8.188	ug/l	100
13) Acrolein	2.28	56	711	0.554	ug/l #	62
15) Acrylonitrile	3.14	53	1291	0.292	ug/l #	17
16) Acetone	2.42	43	325384	72.657	ug/l	100
17) Carbon Disulfide	2.56	76	7291	0.392	ug/l #	93
25) 2-Butanone	4.65	43	106066	16.145	ug/l	94
29) Tetrahydrofuran	5.13	42	1093	0.270	ug/l #	49
36) 1,1-Dichloropropene	5.64	75	50175	5.047	ug/l #	52
37) Ethyl Acetate	4.65	43	106066	8.634	ug/l #	69
38) Carbon Tetrachloride	5.64	117	67227	6.915	ug/l #	16
49) 1,4-Dioxane	7.72	88	151	0.690	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	205957	16.410	ug/l	99
56) Ethyl methacrylate	9.17	69	58	1.567	ug/l #	1
59) 2-Hexanone	9.48	43	30709	3.166	ug/l	95
68) m/p-Xylenes	10.36	106	2843	0.204	ug/l #	63
71) Bromoform	10.84	173	168	3.224	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	244418	23.184	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	244418	59.676	ug/l #	9
86) p-Isopropyltoluene	12.06	119	6337	0.208	ug/l #	69
93) 1,2,4-Trichlorobenzene	13.64	180	2671	0.234	ug/l	96
94) Hexachlorobutadiene	13.78	225	1902	0.341	ug/l	92
95) Naphthalene	13.83	128	9176	0.256	ug/l #	87
96) 1,2,3-Trichlorobenzene	14.02	180	2397	0.210	ug/l	77

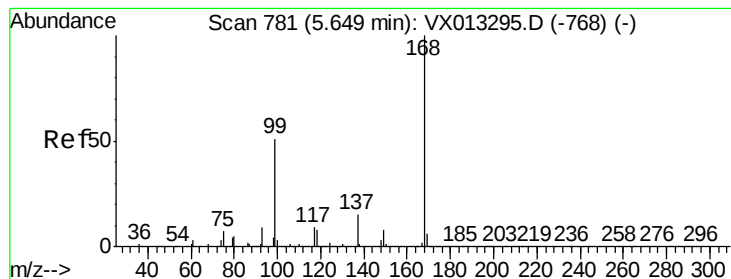
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 05 00:33:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013323.D

Acq: 04 Nov 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

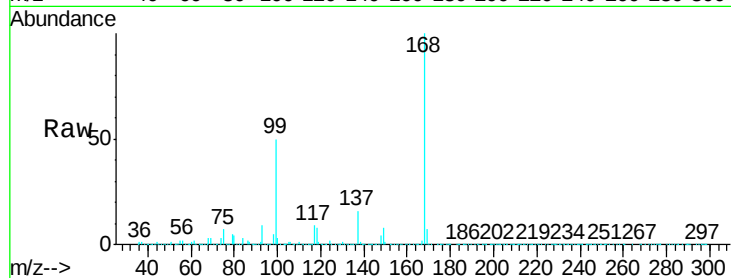
OILY-WATERDL

Tgt Ion:168 Resp: 757865

Ion Ratio Lower Upper

168 100

99 50.3 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

300000

250000

200000

150000

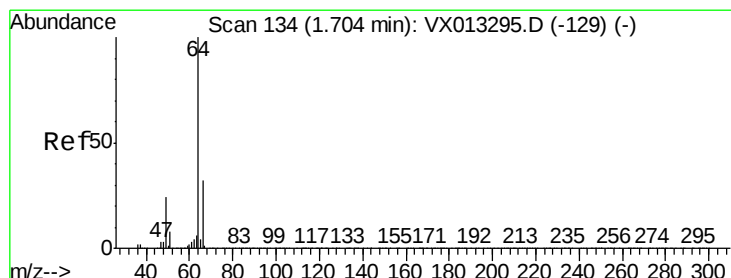
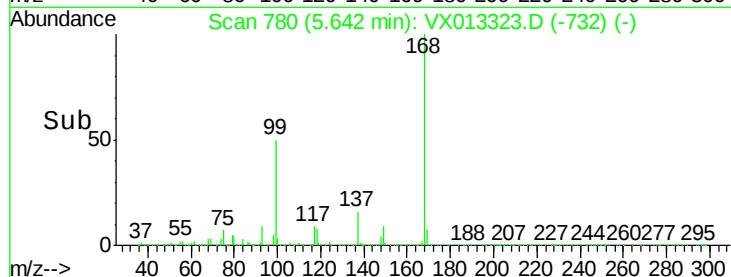
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013323.D

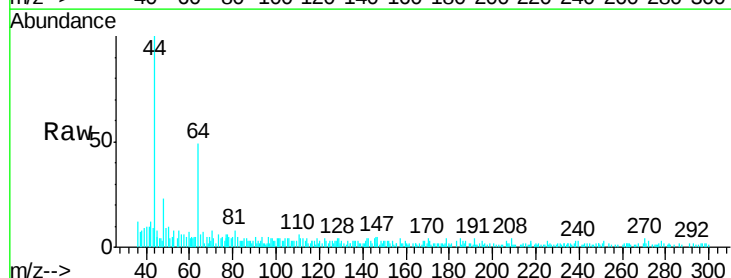
Acq: 04 Nov 2019 14:30

Tgt Ion: 64 Resp: 817

Ion Ratio Lower Upper

64 100

66 20.3 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

4000

3000

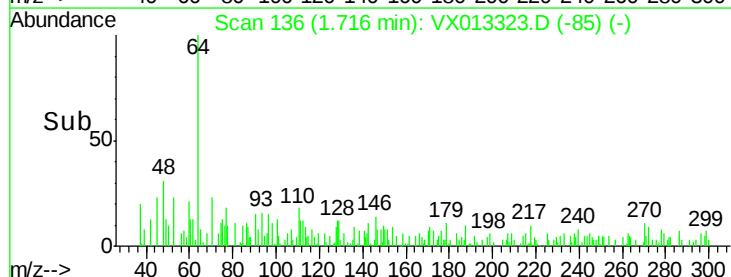
2000

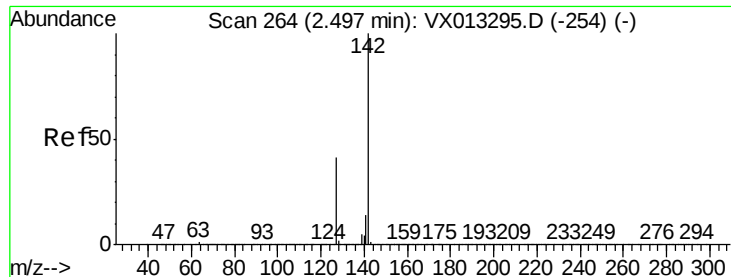
1000

0

Time-->

1.70 1.71 1.72 1.73

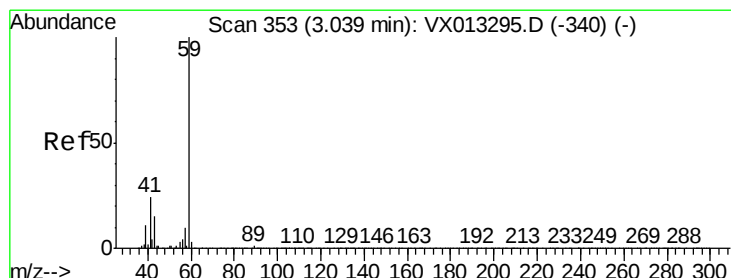
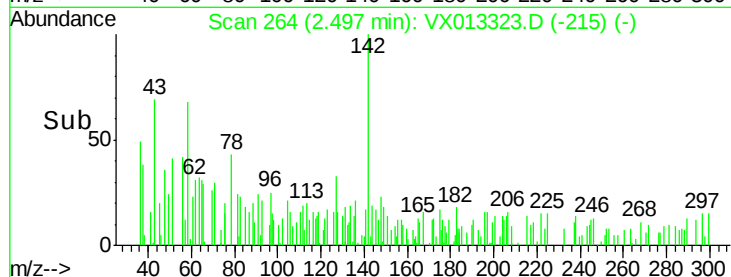
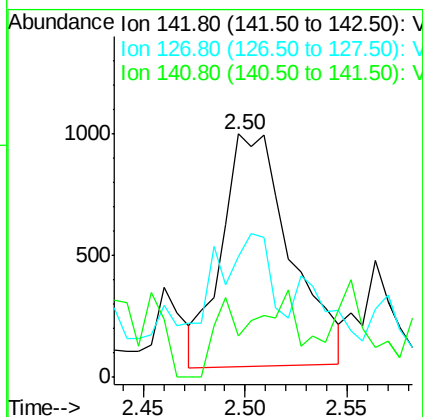
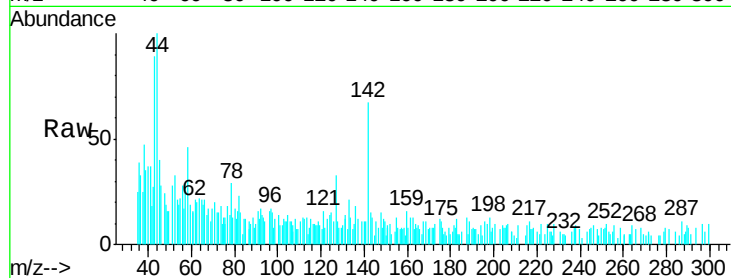




#10
Methyl Iodide
Concen: 0.254 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX013323.D
Acq: 04 Nov 2019 14:30

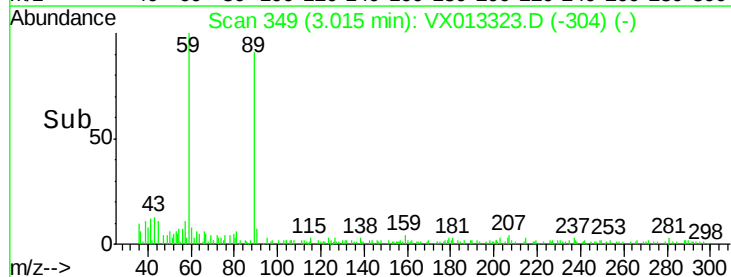
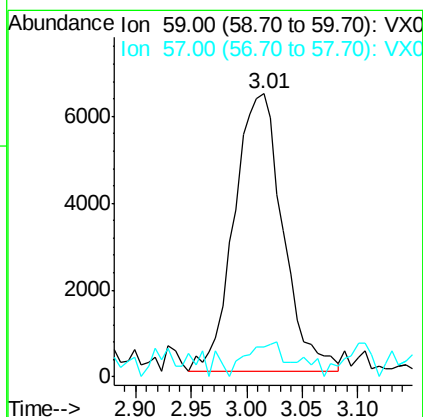
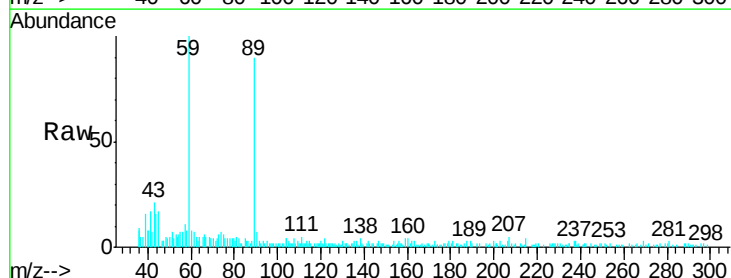
Instrument :
MSVOA_X
ClientSampled :
OILY-WATERDL

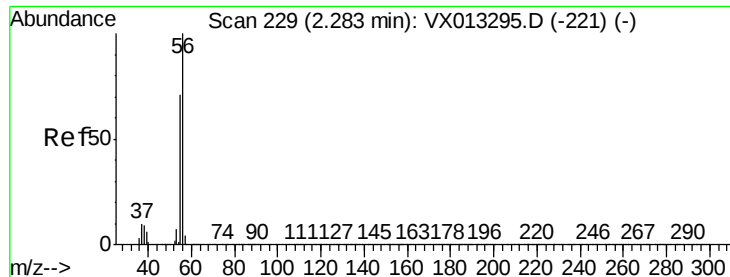
Tgt Ion: 142 Resp: 2234
Ion Ratio Lower Upper
142 100
127 53.0 32.6 49.0#
141 11.5 11.6 17.4#



#11
Tert butyl alcohol
Concen: 8.188 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013323.D
Acq: 04 Nov 2019 14:30

Tgt Ion: 59 Resp: 19377
Ion Ratio Lower Upper
59 100
57 9.9 8.0 12.0





#13

Acrolein

Concen: 0.554 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013323.D

Acq: 04 Nov 2019 14:30

Instrument :

MSVOA_X

ClientSampled :

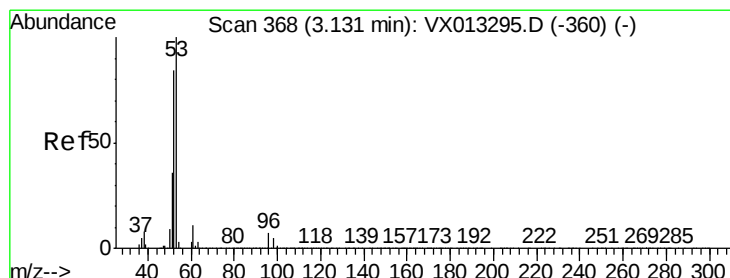
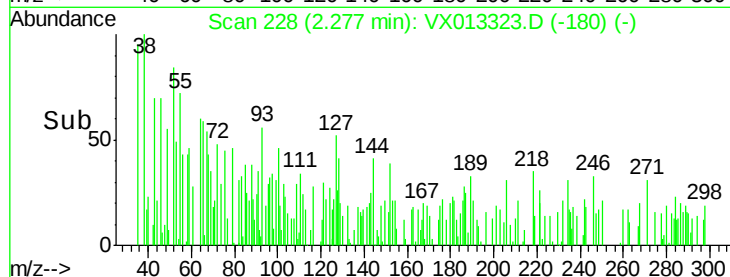
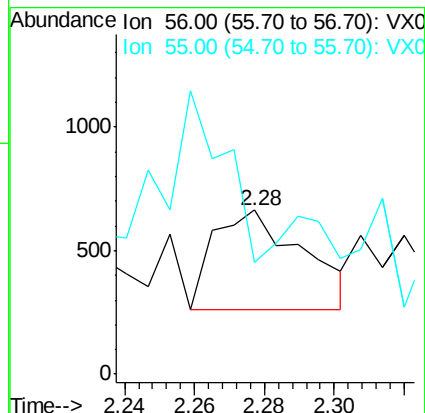
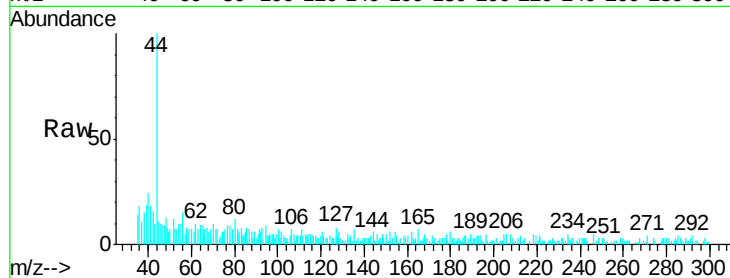
OILY-WATERDL

Tgt Ion: 56 Resp: 711

Ion Ratio Lower Upper

56 100

55 103.4 57.4 86.0#



#15

Acrylonitrile

Concen: 0.292 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX013323.D

Acq: 04 Nov 2019 14:30

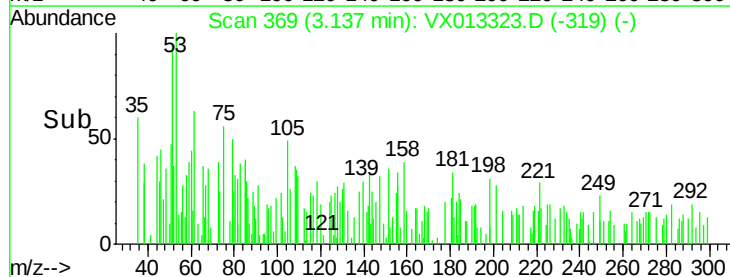
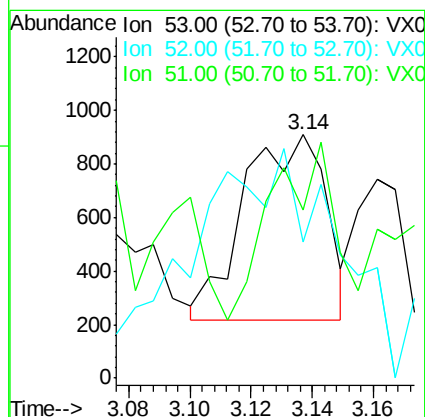
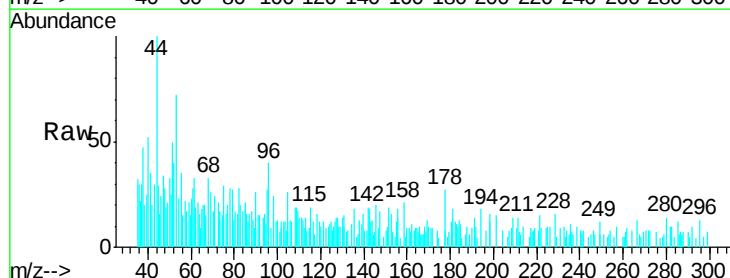
Tgt Ion: 53 Resp: 1291

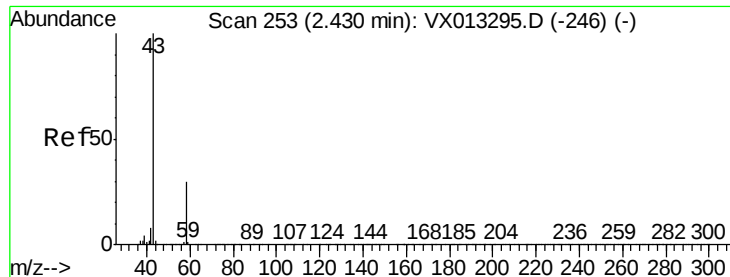
Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 73.5 29.4 44.2#





#16

Acetone

Concen: 72.657 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX013323.D

Acq: 04 Nov 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

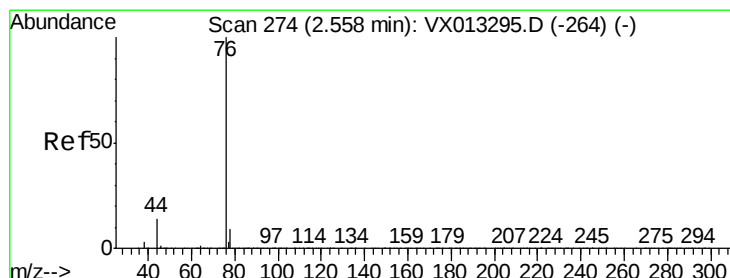
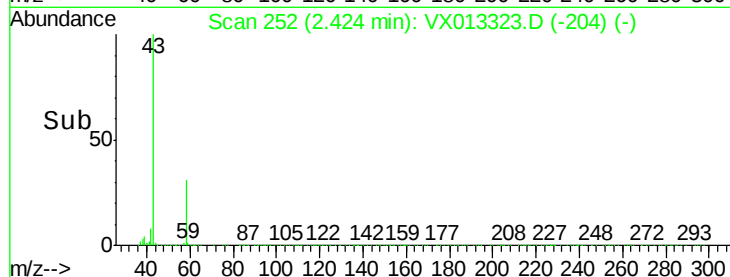
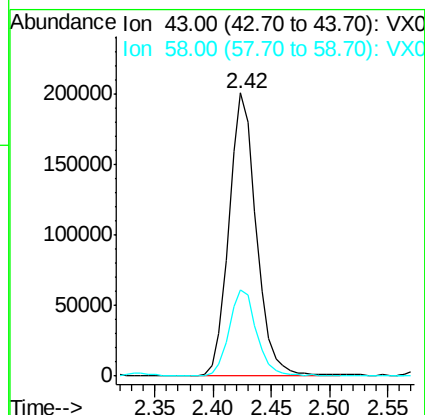
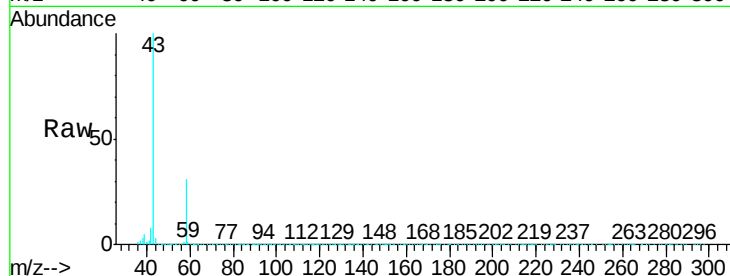
OILY-WATERDL

Tgt Ion: 43 Resp: 325384

Ion Ratio Lower Upper

43 100

58 30.5 24.3 36.5



#17

Carbon Disulfide

Concen: 0.392 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013323.D

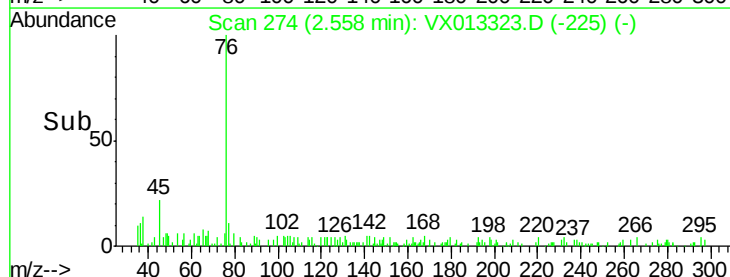
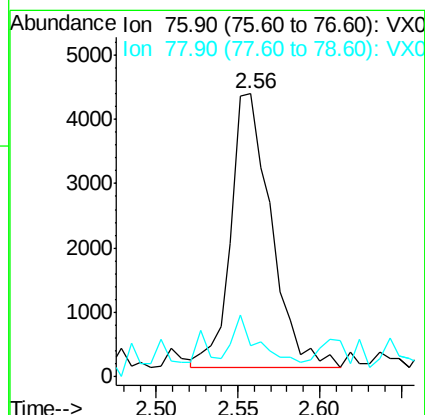
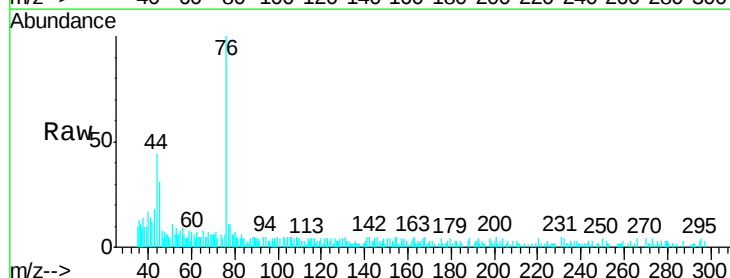
Acq: 04 Nov 2019 14:30

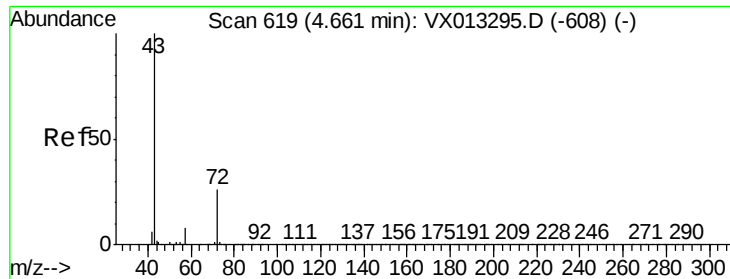
Tgt Ion: 76 Resp: 7291

Ion Ratio Lower Upper

76 100

78 6.2 7.0 10.6#





#25

2-Butanone

Concen: 16.145 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX013323.D

Acq: 04 Nov 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

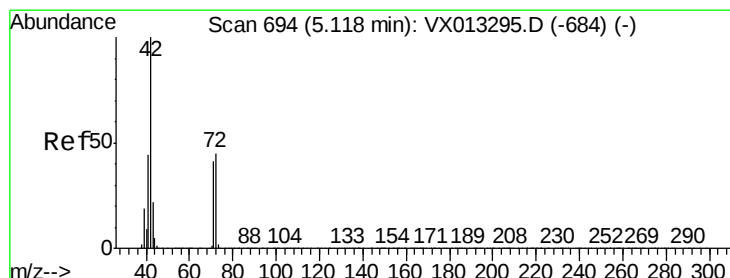
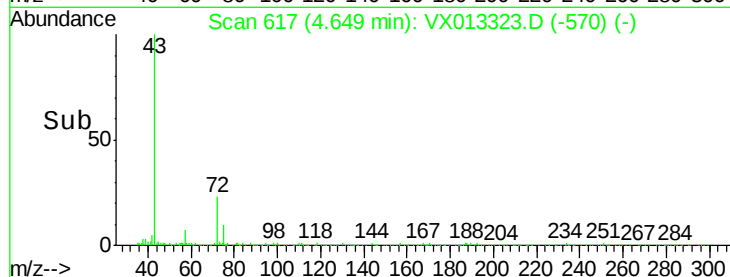
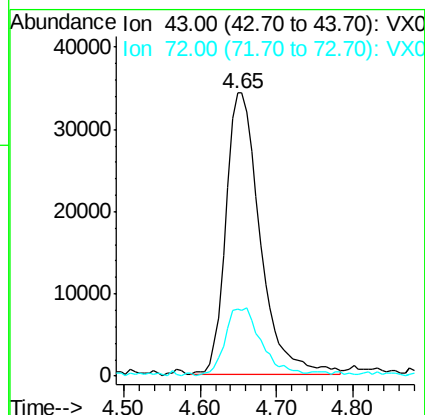
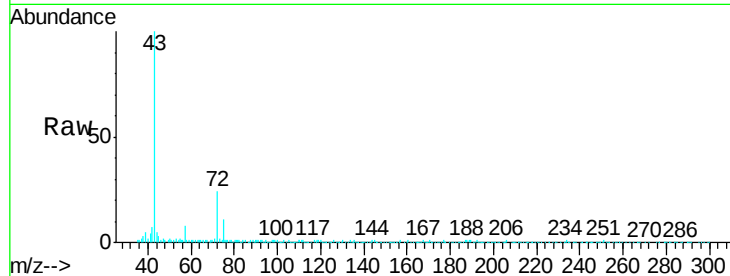
OILY-WATERDL

Tgt Ion: 43 Resp: 106066

Ion Ratio Lower Upper

43 100

72 23.1 21.0 31.6



#29

Tetrahydrofuran

Concen: 0.270 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.01 min

Lab File: VX013323.D

Acq: 04 Nov 2019 14:30

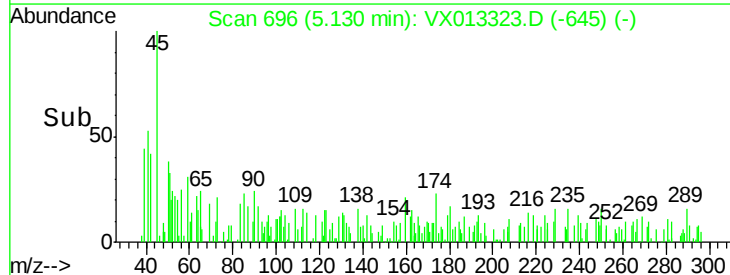
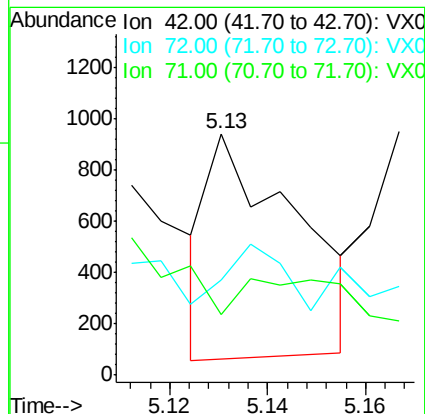
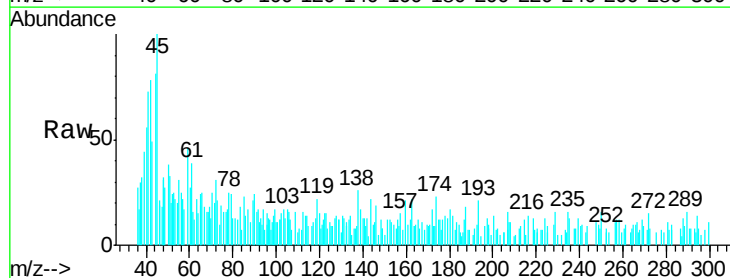
Tgt Ion: 42 Resp: 1093

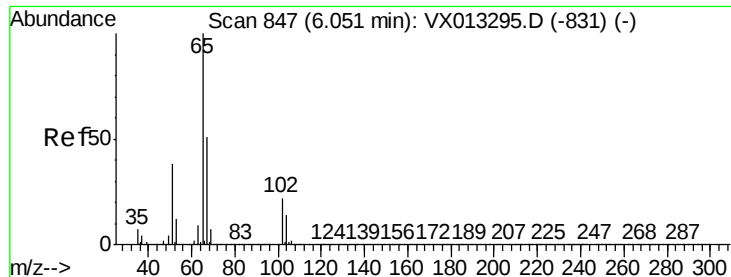
Ion Ratio Lower Upper

42 100

72 20.2 35.8 53.8#

71 0.0 33.4 50.0#





#33

1,2-Dichloroethane-d4

Concen: 47.766 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX013323.D

Acq: 04 Nov 2019 14:30

Instrument :

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ClientSampleId :

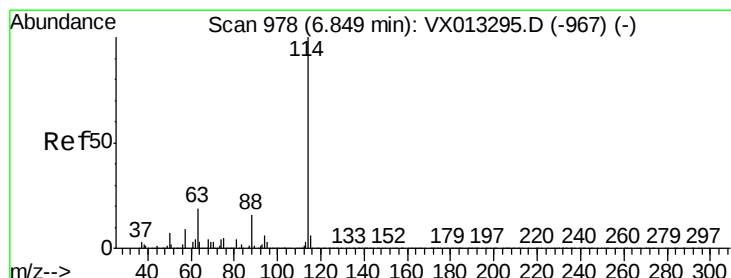
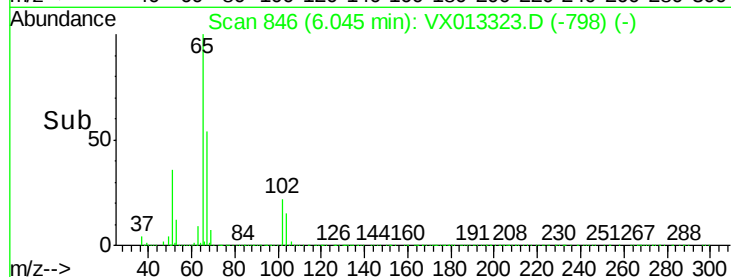
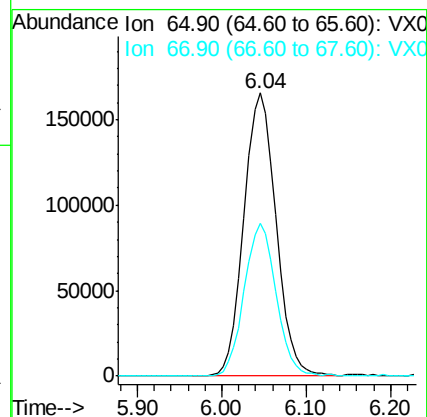
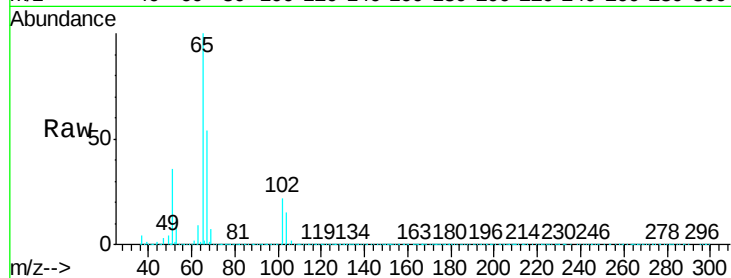
OILY-WATERDL

Tgt Ion: 65 Resp: 428863

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013323.D

Acq: 04 Nov 2019 14:30

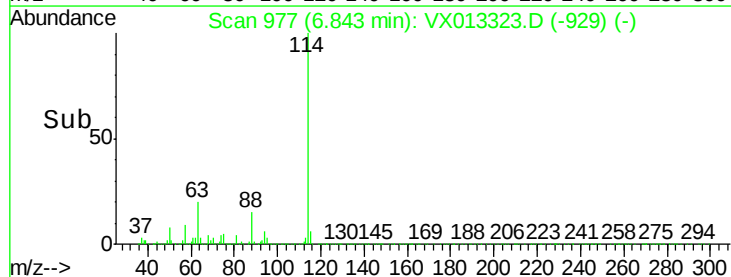
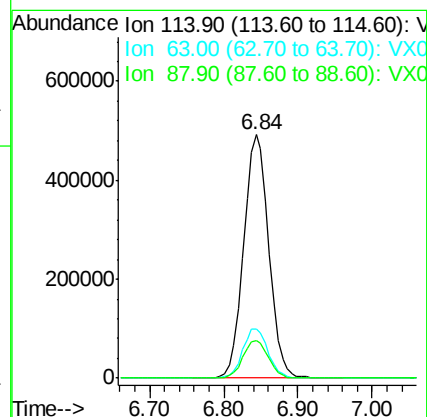
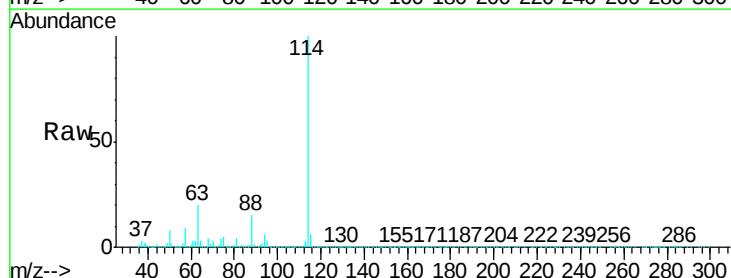
Tgt Ion: 114 Resp: 1158900

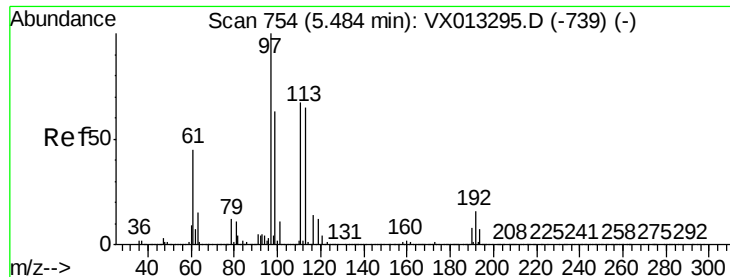
Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.4

88 15.4 0.0 32.2

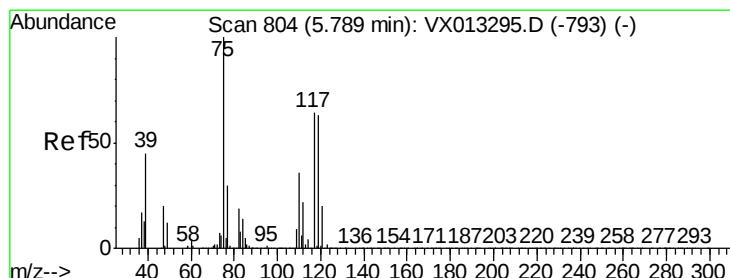
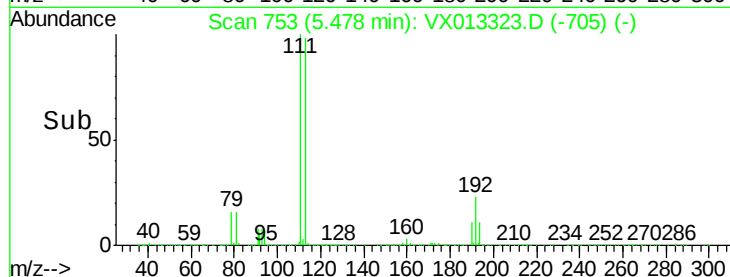
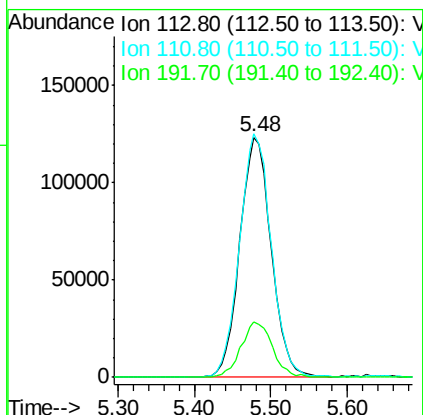
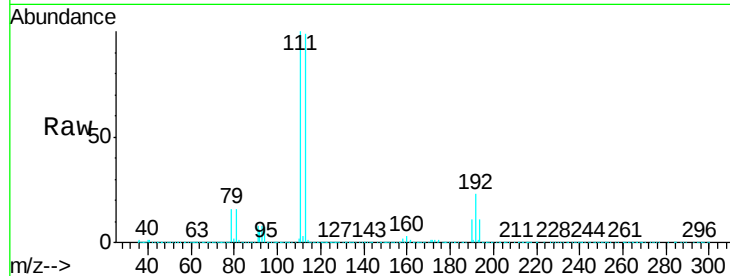




#35
Dibromofluoromethane
Concen: 48.292 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX013323.D
Acq: 04 Nov 2019 14:30

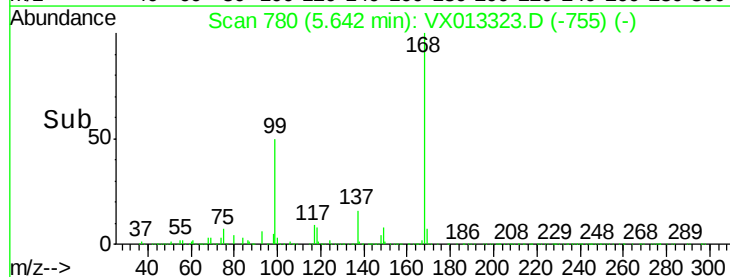
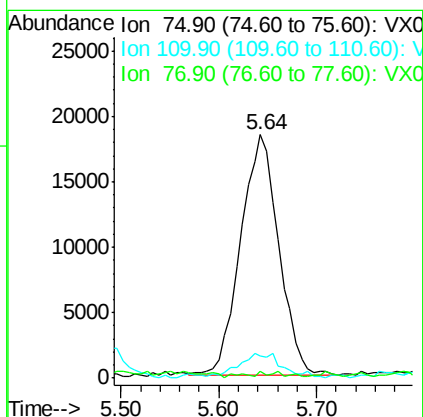
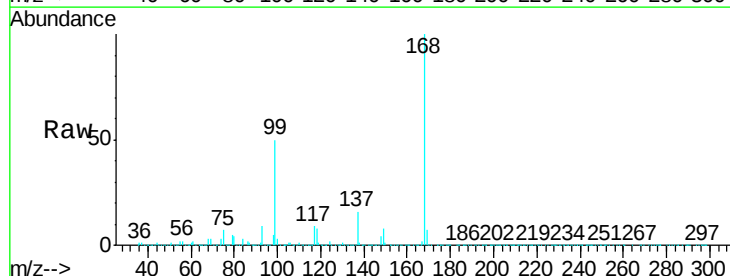
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATERDL

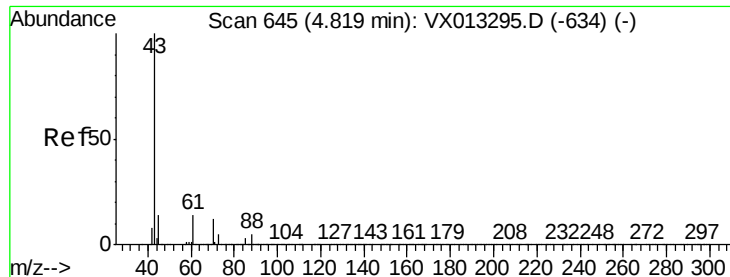
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.9	122.9
192	23.3	19.1	28.7



#36
1,1-Dichloropropene
Concen: 5.047 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.15 min
Lab File: VX013323.D
Acq: 04 Nov 2019 14:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.7	18.1	54.1#
77	0.6	25.0	37.4#

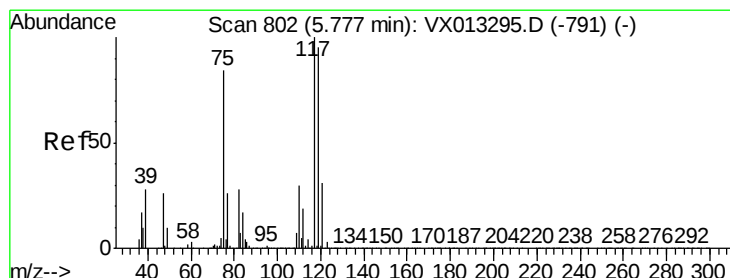
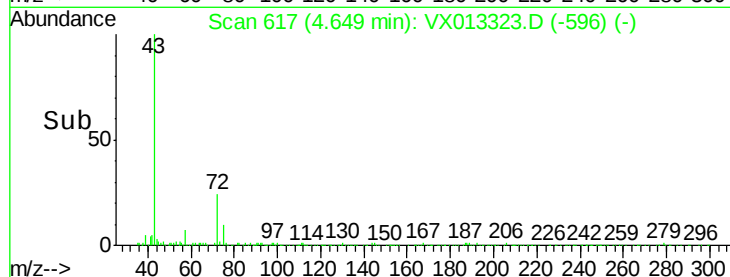
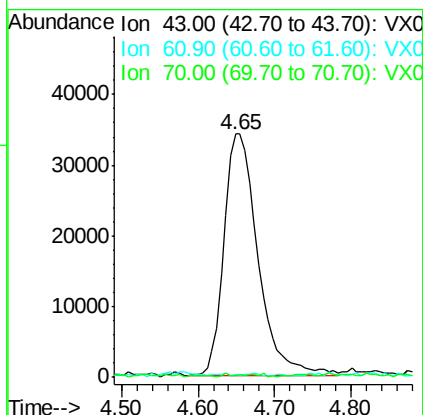
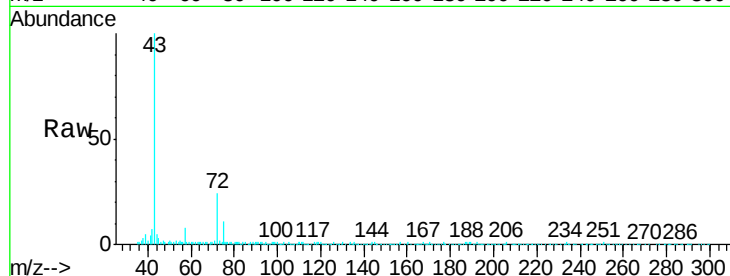




#37
Ethyl Acetate
Concen: 8.634 ug/l
RT: 4.65 min Scan# 617
Delta R.T. -0.17 min
Lab File: VX013323.D
Acq: 04 Nov 2019 14:30

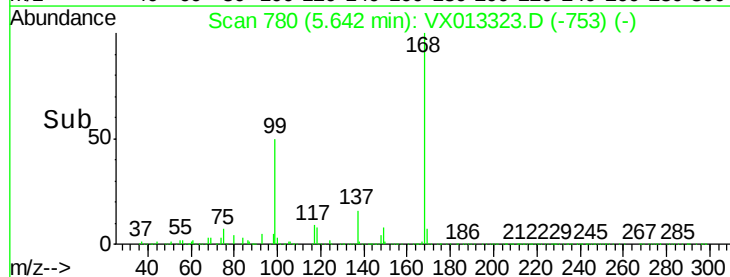
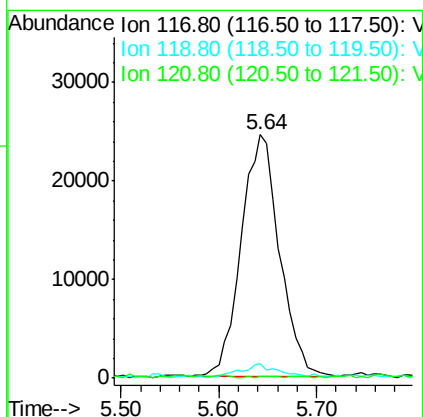
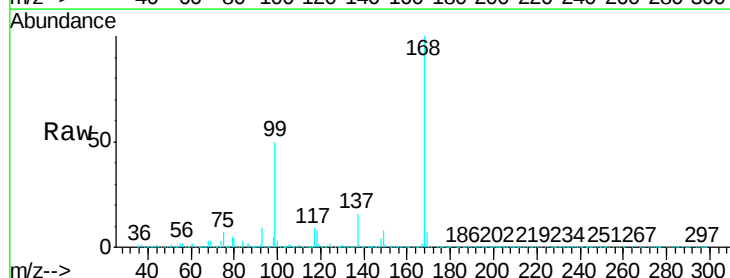
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATERDL

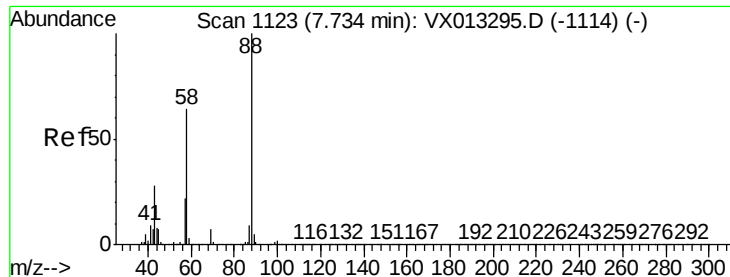
Tgt Ion: 43 Resp: 106066
Ion Ratio Lower Upper
43 100
61 0.2 10.7 16.1#
70 0.3 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 6.915 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX013323.D
Acq: 04 Nov 2019 14:30

Tgt Ion: 117 Resp: 67227
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 0.690 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VX013323.D

Acq: 04 Nov 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATERDL

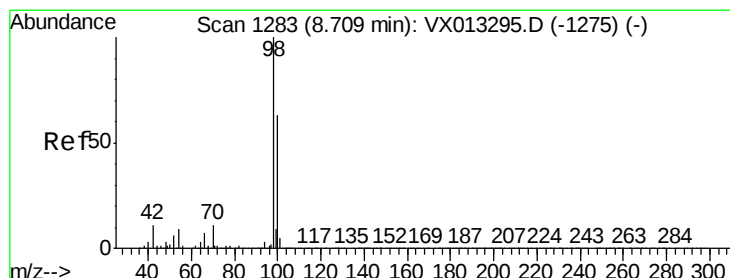
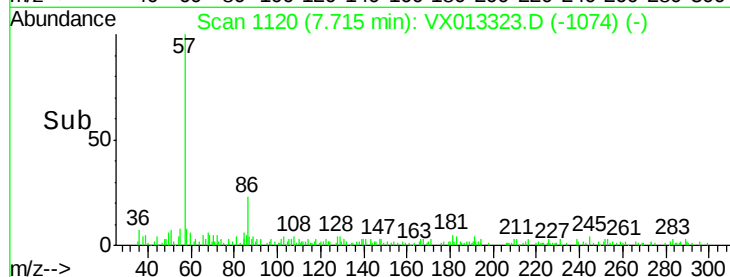
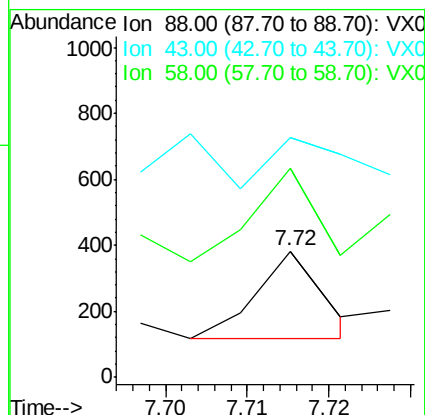
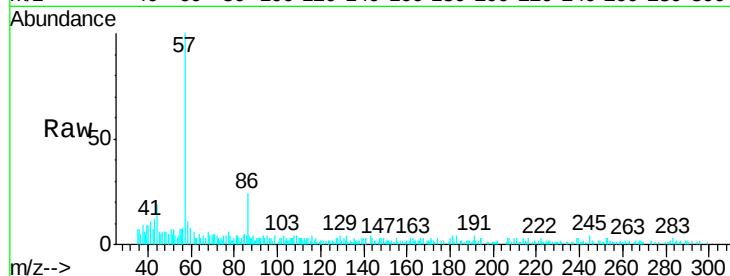
Tgt Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 271.5 55.0 82.6#



#50

Toluene-d8

Concen: 51.108 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013323.D

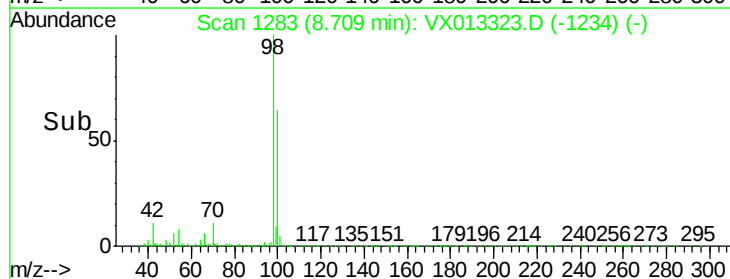
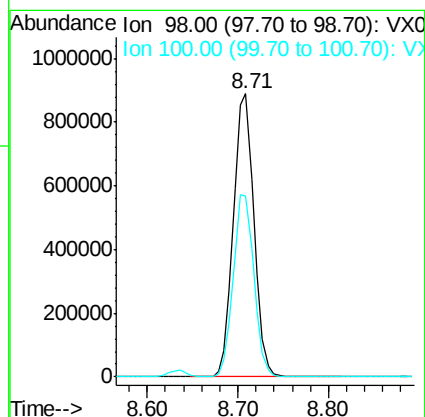
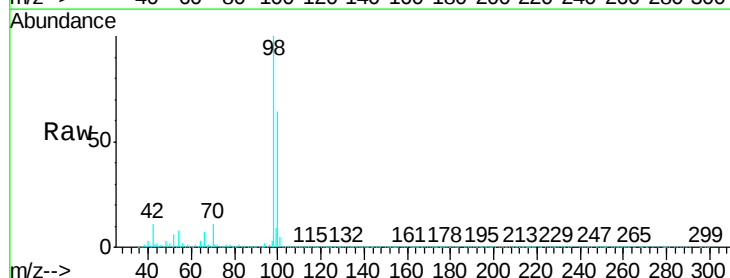
Acq: 04 Nov 2019 14:30

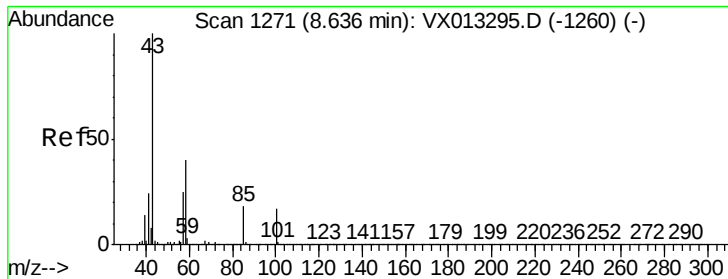
Tgt Ion: 98 Resp: 1400498

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2

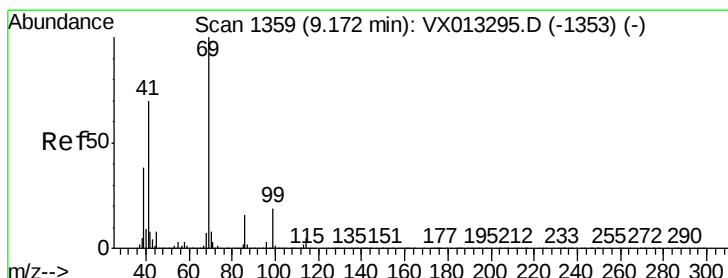
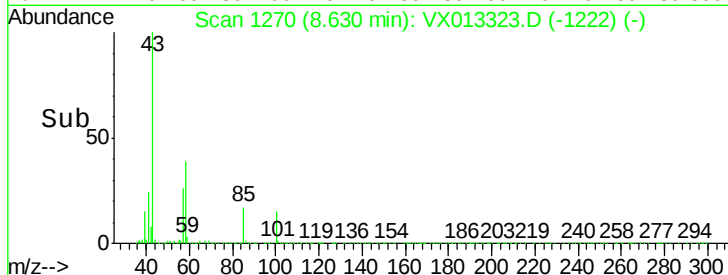
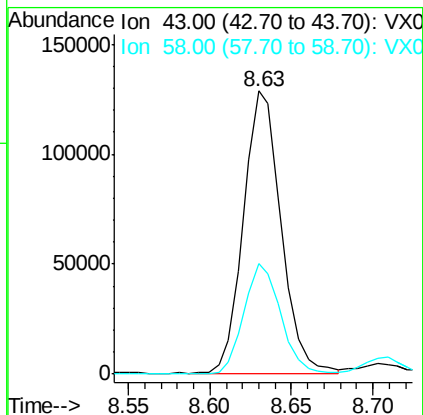
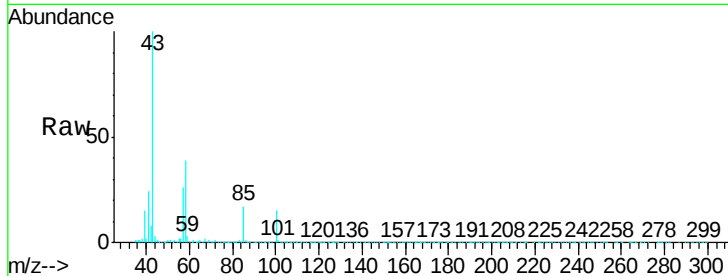




#51
 4-Methyl-2-Pentanone
 Concen: 16.410 ug/l
 RT: 8.63 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VX013323.D
 Acq: 04 Nov 2019 14:30

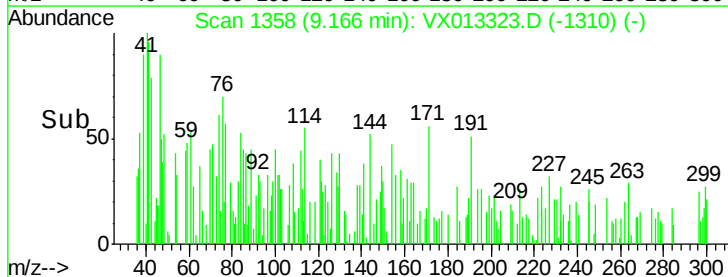
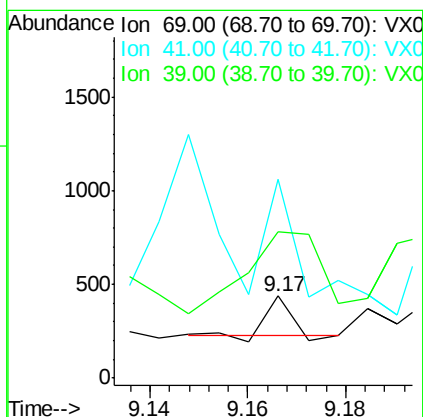
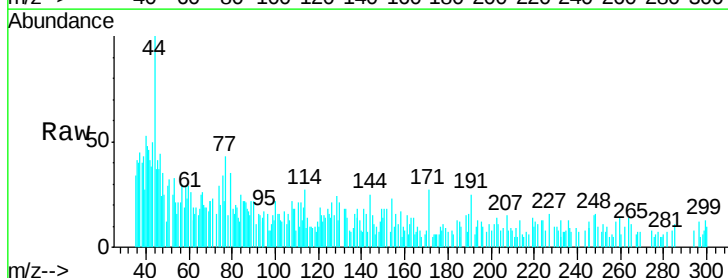
Instrument :
 MSVOA_X
 ClientSampled :
 OILY-WATERDL

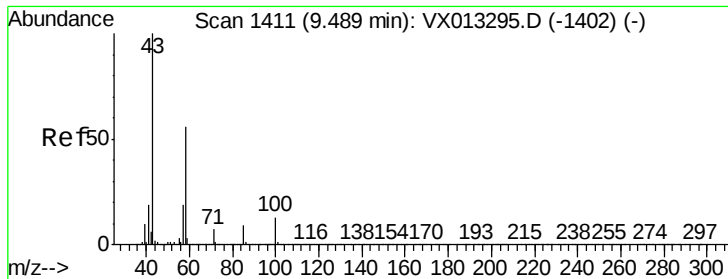
Tgt Ion: 43 Resp: 205957
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.4 47.0



#56
 Ethyl methacrylate
 Concen: 1.567 ug/l
 RT: 9.17 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VX013323.D
 Acq: 04 Nov 2019 14:30

Tgt Ion: 69 Resp: 58
 Ion Ratio Lower Upper
 69 100
 41 0.0 56.2 84.2#
 39 789.7 31.1 46.7#





#59

2-Hexanone

Concen: 3.166 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX013323.D

Acq: 04 Nov 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

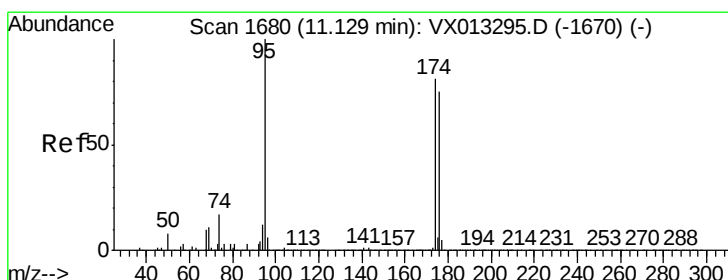
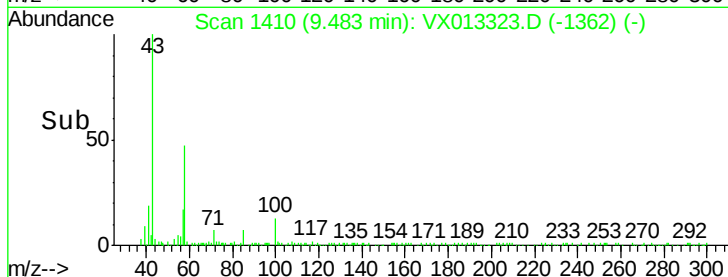
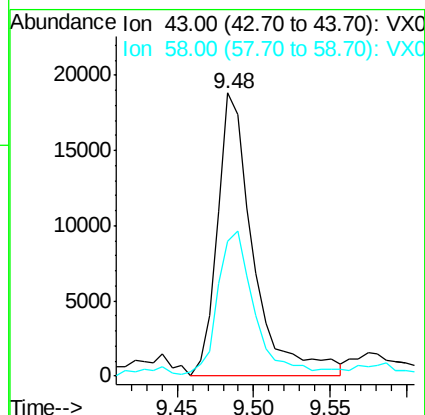
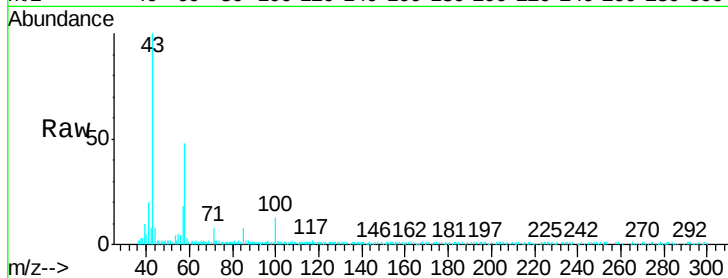
OILY-WATERDL

Tgt Ion: 43 Resp: 30709

Ion Ratio Lower Upper

43 100

58 51.2 27.3 81.8



#62

4-Bromofluorobenzene

Concen: 49.724 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013323.D

Acq: 04 Nov 2019 14:30

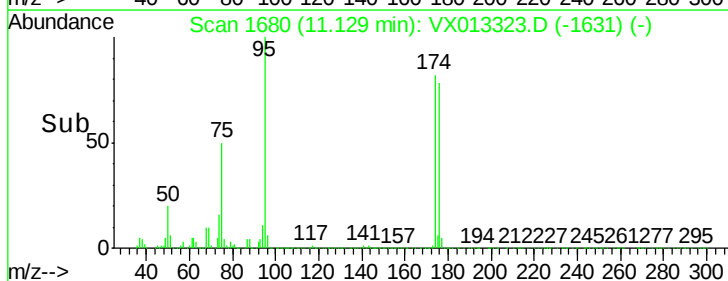
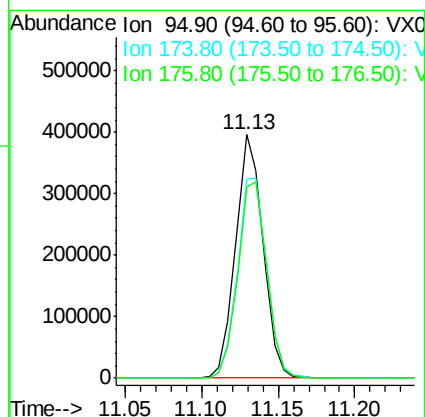
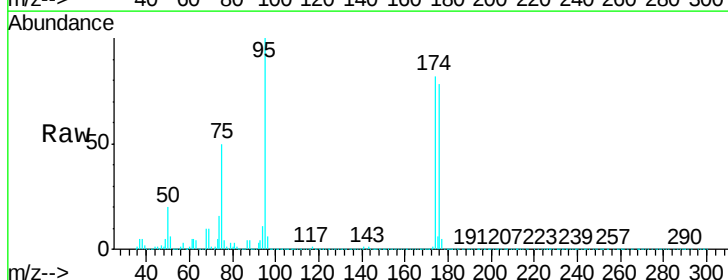
Tgt Ion: 95 Resp: 491760

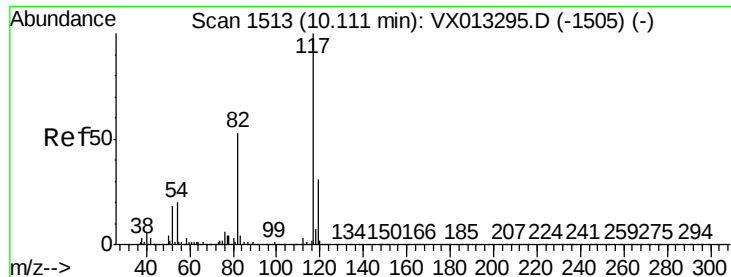
Ion Ratio Lower Upper

95 100

174 87.7 0.0 179.8

176 85.0 0.0 173.0

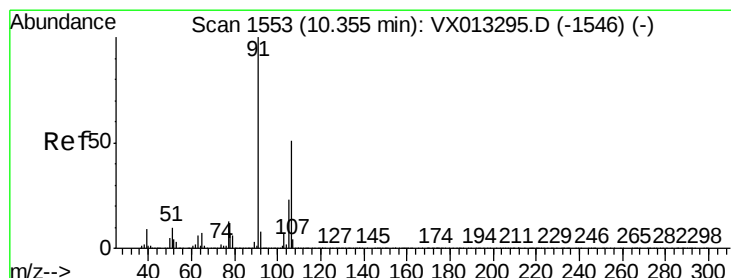
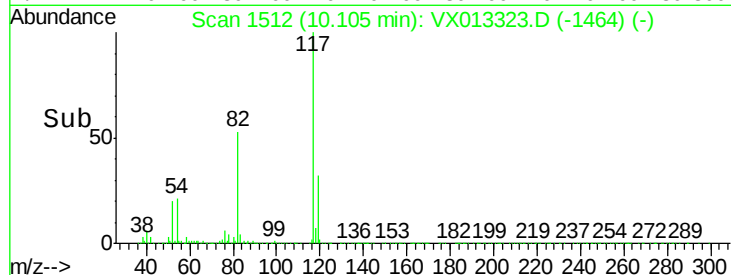
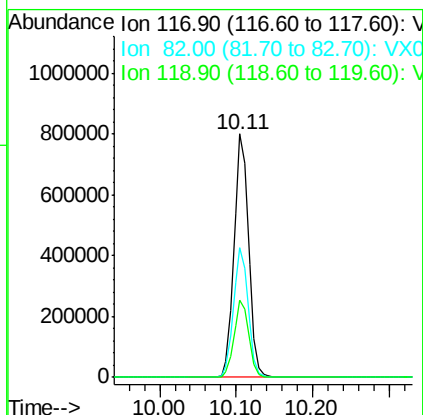
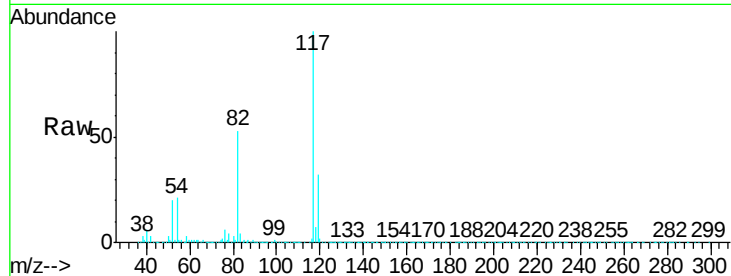




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013323.D
Acq: 04 Nov 2019 14:30

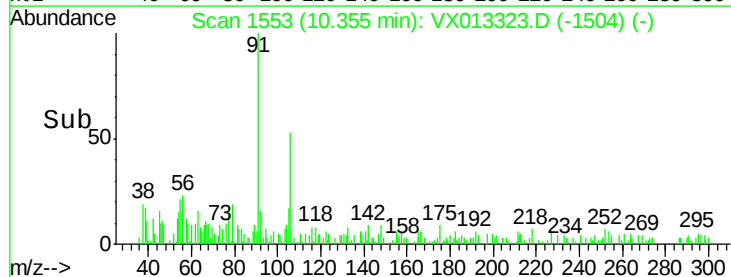
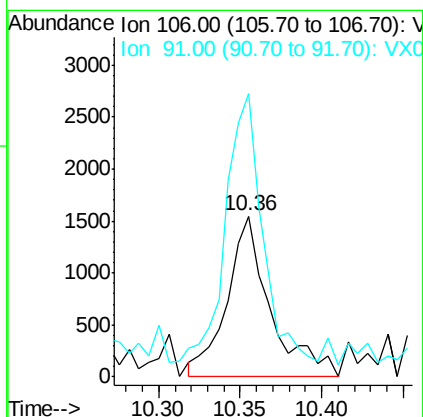
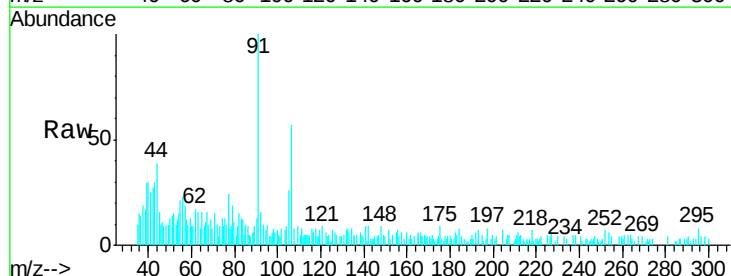
Instrument :
MSVOA_X
ClientSampleID :
OILY-WATERDL

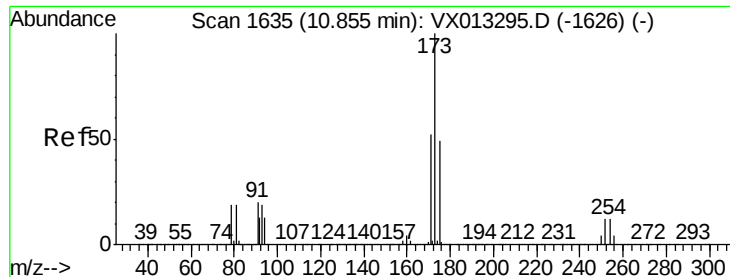
Tgt Ion:117 Resp: 1052861
Ion Ratio Lower Upper
117 100
82 53.4 42.6 64.0
119 31.6 24.8 37.2



#68
m/p-Xylenes
Concen: 0.204 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013323.D
Acq: 04 Nov 2019 14:30

Tgt Ion:106 Resp: 2843
Ion Ratio Lower Upper
106 100
91 143.8 159.3 238.9#

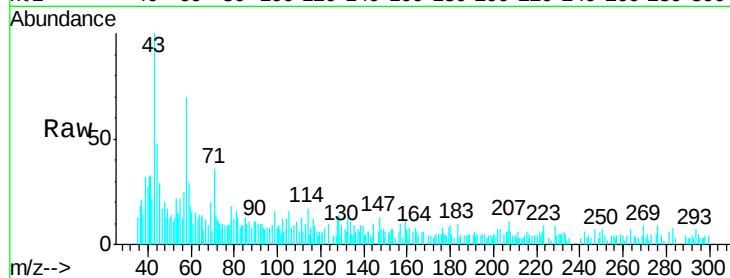




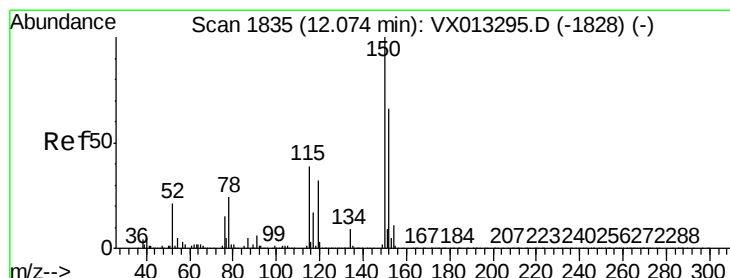
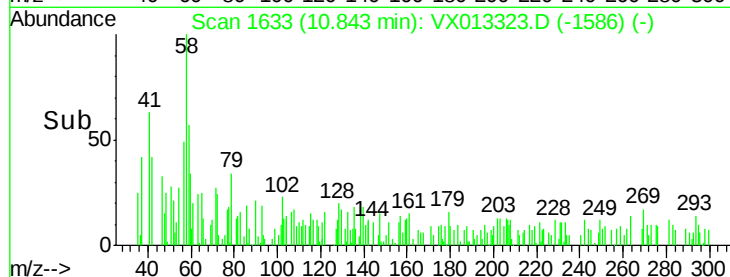
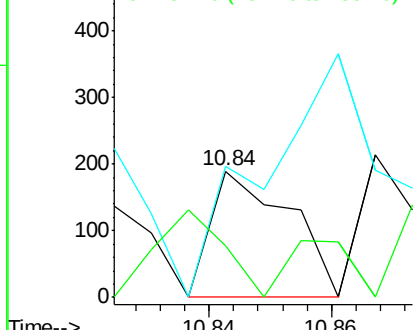
#71
Bromoform
Concen: 3.224 ug/l
RT: 10.84 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VX013323.D
Acq: 04 Nov 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
OILY-WATERDL

Tgt Ion:173 Resp: 168
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 61.3 0.2 0.2#

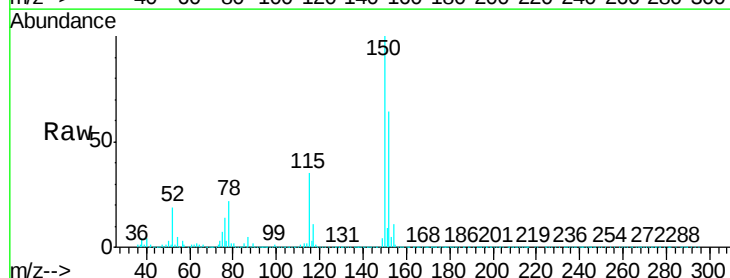


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

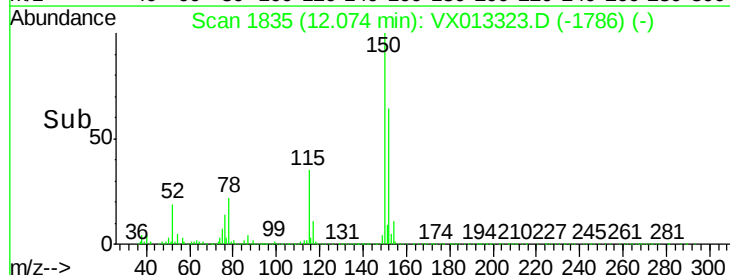
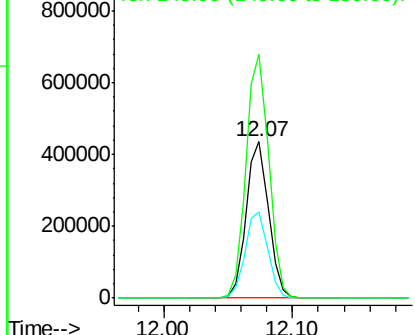


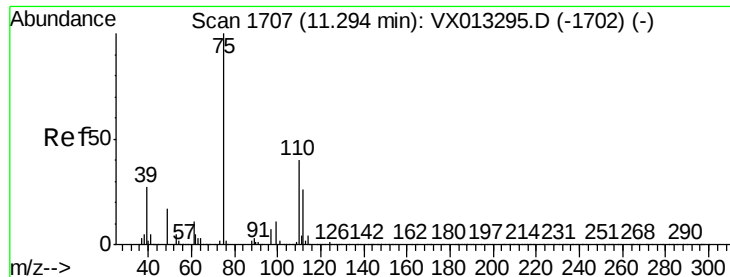
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013323.D
Acq: 04 Nov 2019 14:30

Tgt Ion:152 Resp: 519043
Ion Ratio Lower Upper
152 100
115 56.0 39.5 118.3
150 158.0 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





#76

1,2,3-Trichloropropane

Concen: 23.184 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013323.D

Acq: 04 Nov 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

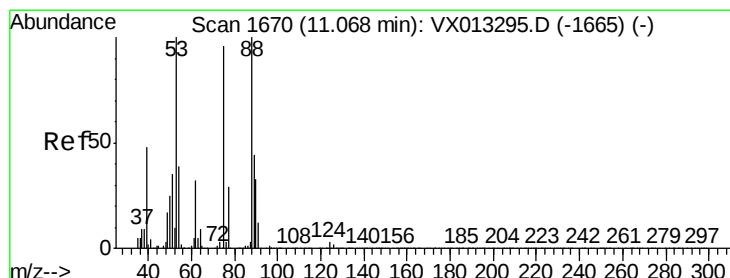
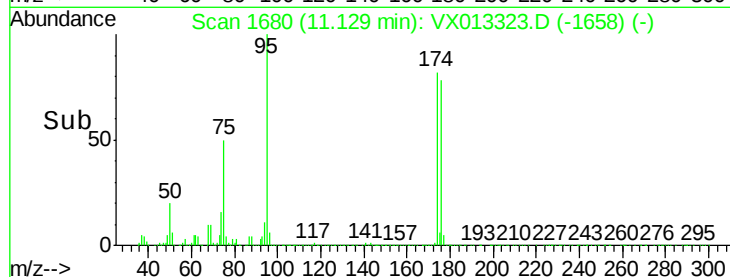
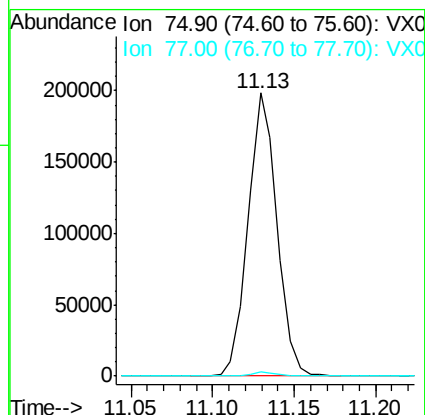
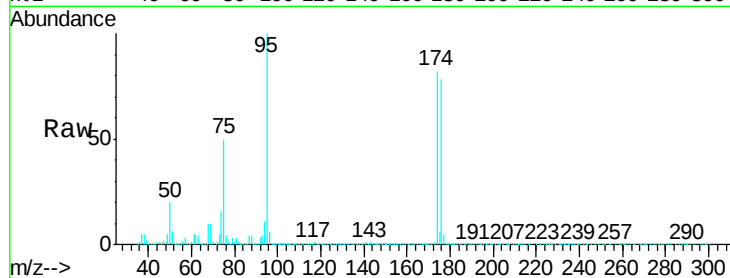
OILY-WATERDL

Tgt Ion: 75 Resp: 244418

Ion Ratio Lower Upper

75 100

77 1.2 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.676 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013323.D

Acq: 04 Nov 2019 14:30

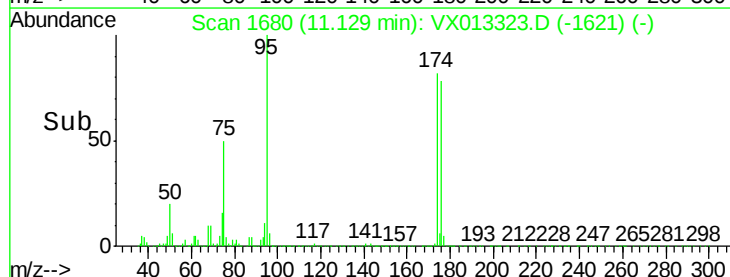
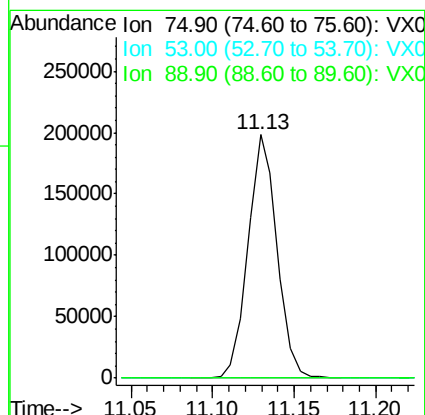
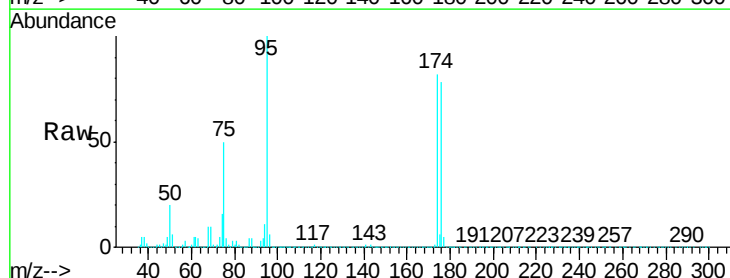
Tgt Ion: 75 Resp: 244418

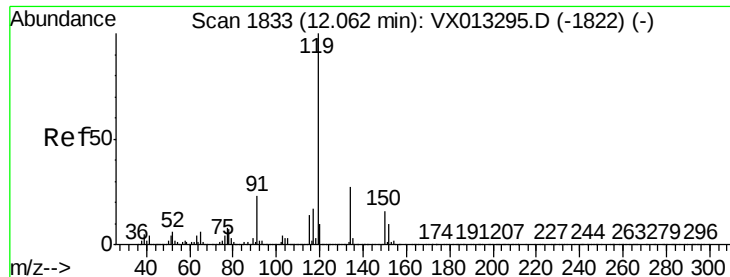
Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.1 36.0 54.0#

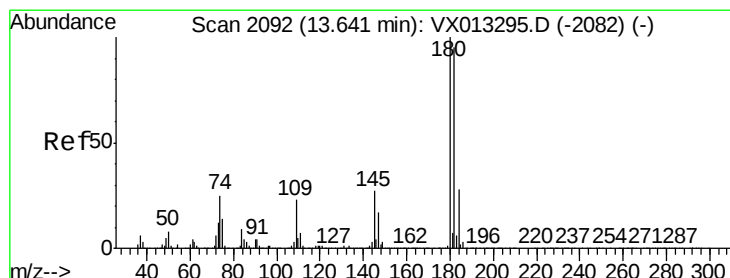
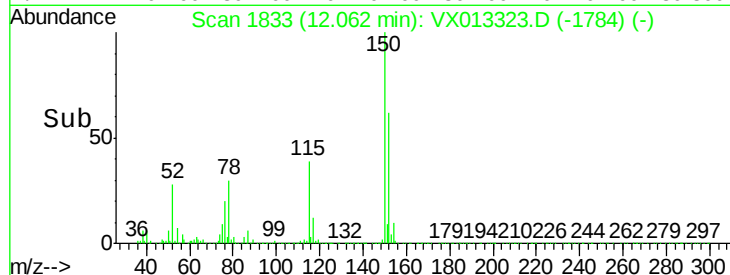
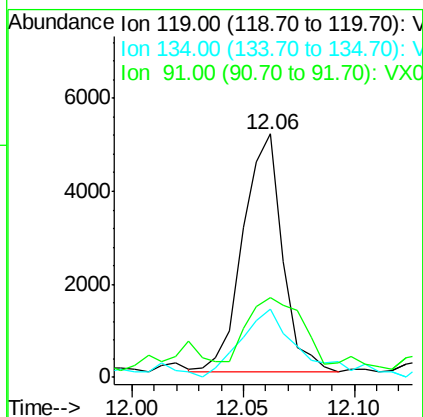
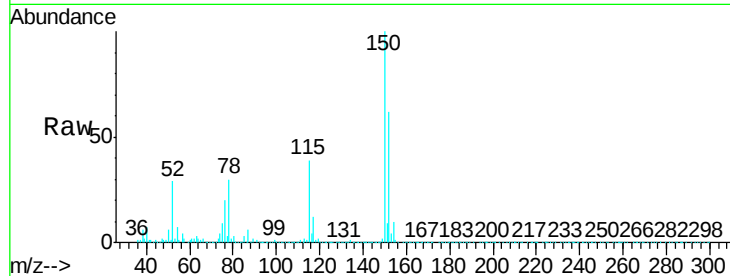




#86
p-Isopropyltoluene
Concen: 0.208 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX013323.D
Acq: 04 Nov 2019 14:30

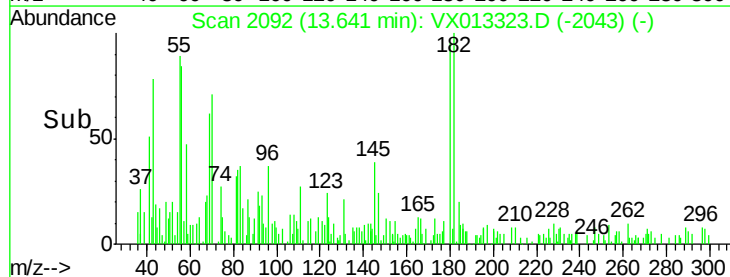
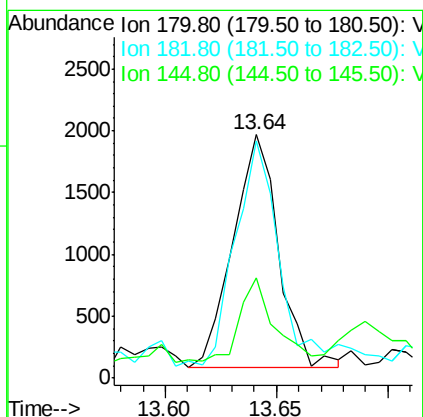
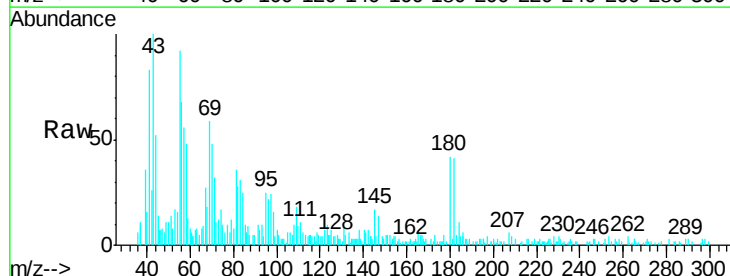
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATERDL

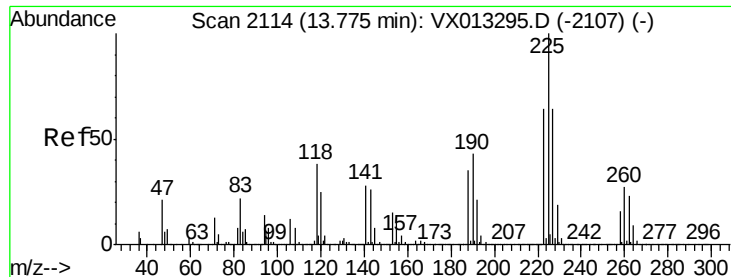
Tgt Ion:119 Resp: 6337
Ion Ratio Lower Upper
119 100
134 43.8 13.3 39.8#
91 36.1 11.5 34.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.234 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013323.D
Acq: 04 Nov 2019 14:30

Tgt Ion:180 Resp: 2671
Ion Ratio Lower Upper
180 100
182 96.9 48.4 145.0
145 38.4 14.1 42.4





#94

Hexachlorobutadiene

Concen: 0.341 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX013323.D

Acq: 04 Nov 2019 14:30

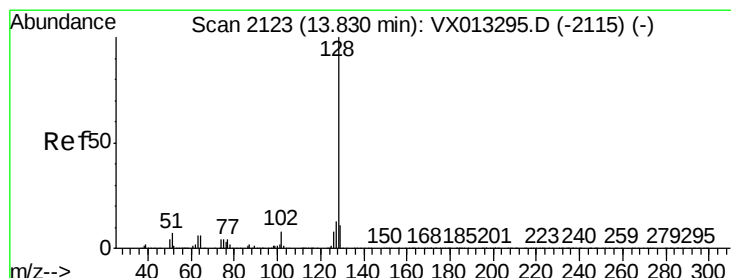
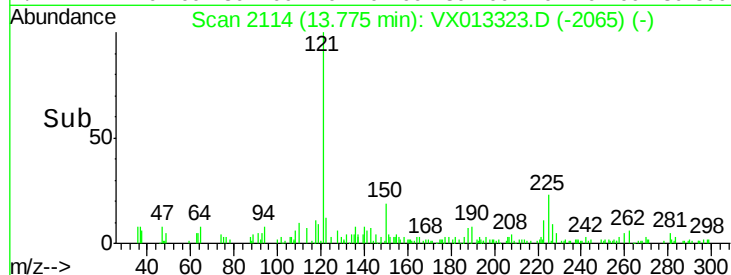
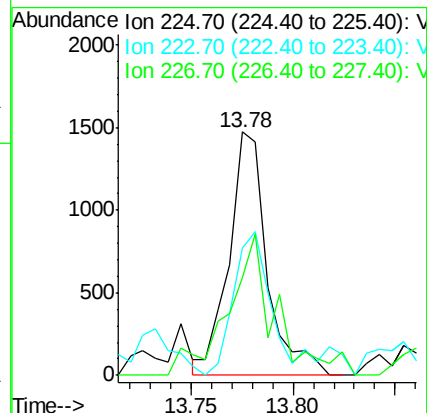
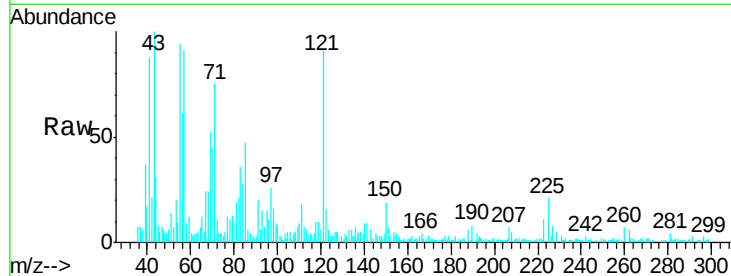
Instrument :

MSVOA_X

ClientSampleId :

OILY-WATERDL

Tgt Ion:	225	Resp:	1902
Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.9	95.7
227	73.1	31.9	95.9



#95

Naphthalene

Concen: 0.256 ug/l

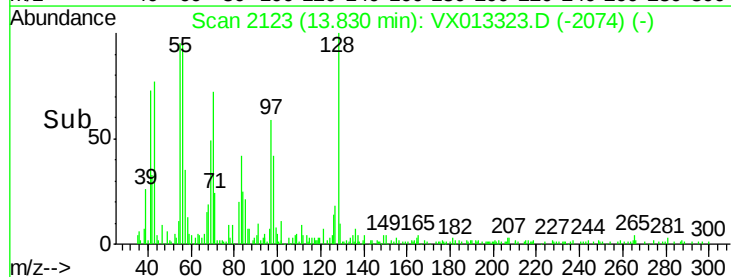
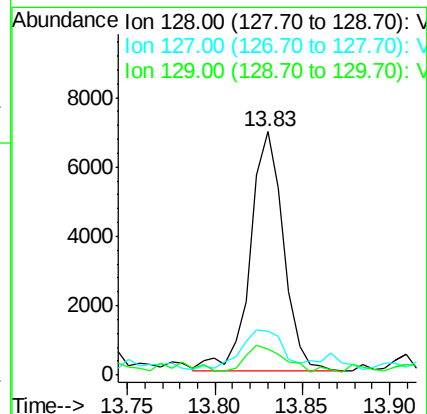
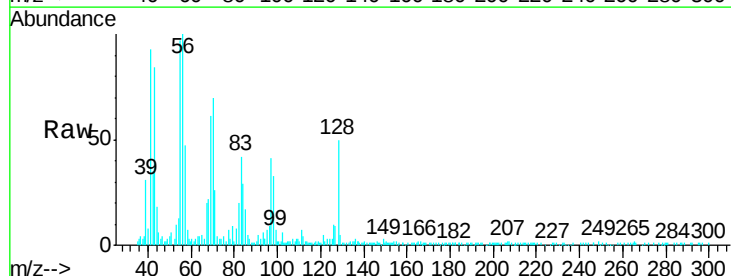
RT: 13.83 min Scan# 2123

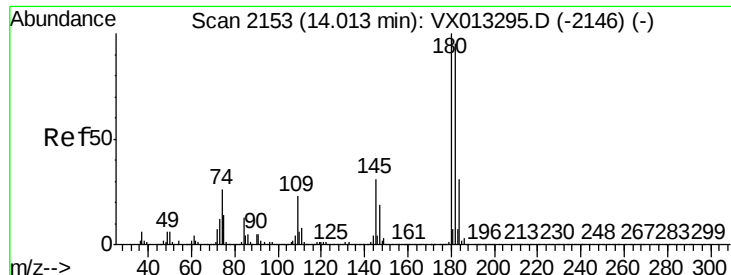
Delta R.T. 0.00 min

Lab File: VX013323.D

Acq: 04 Nov 2019 14:30

Tgt Ion:	128	Resp:	9176
Ion	Ratio	Lower	Upper
128	100		
127	20.9	10.2	15.2#
129	11.6	8.5	12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 0.210 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX013323.D
 Acq: 04 Nov 2019 14:30

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-WATERDL

Tgt Ion	Ratio	Lower	Upper
180	100		
182	119.9	48.0	144.2
145	40.7	15.4	46.4

