

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051023\
 Data File : VX035595.D
 Acq On : 10 May 2023 18:43
 Operator : JC/MD
 Sample : 02744-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-OILYWATER

Quant Time: May 11 04:30:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

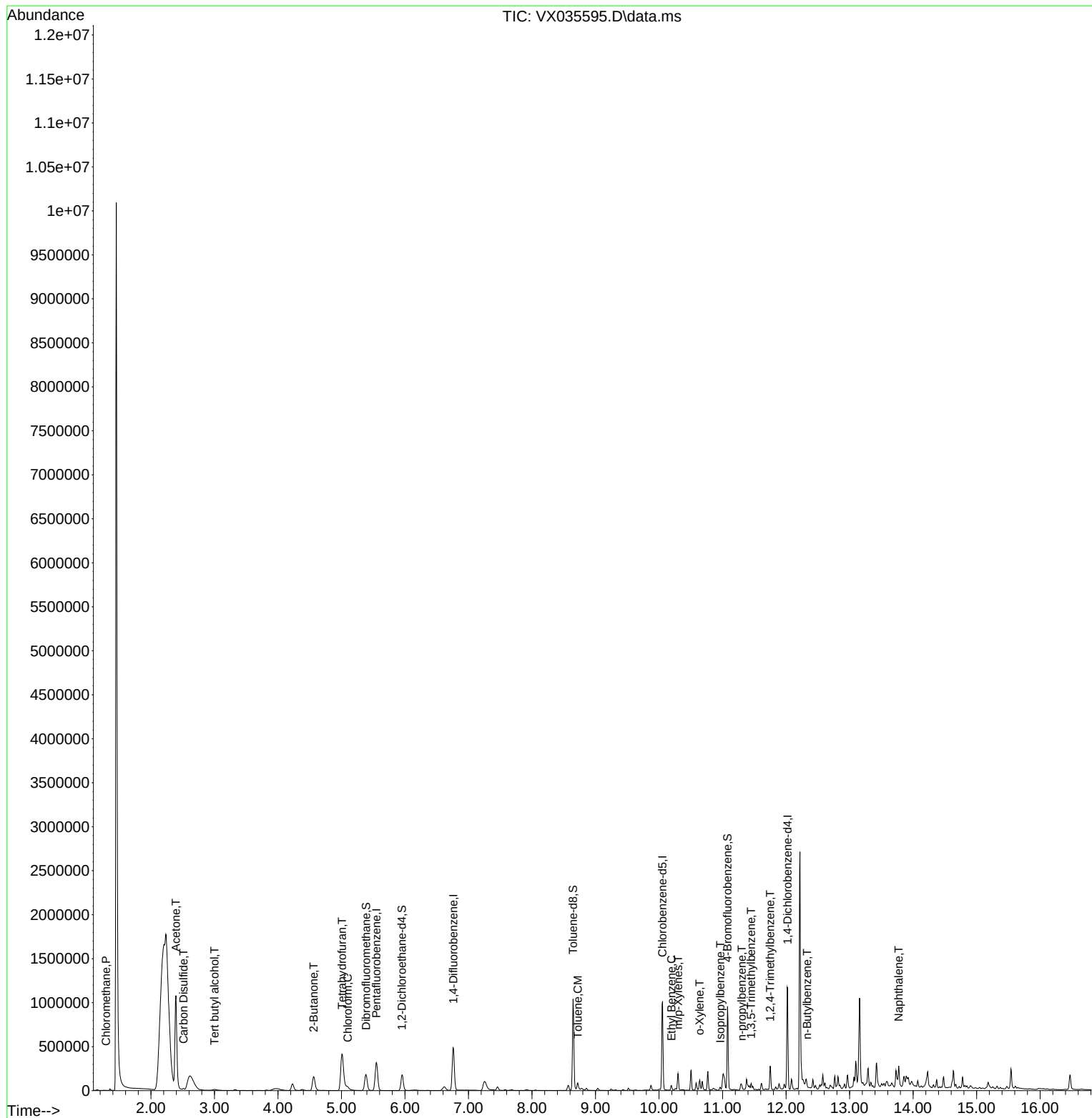
Internal Standards						
1) Pentafluorobenzene	5.550	168	332441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	540480	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	503135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	169238	42.197	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.400%
35) Dibromofluoromethane	5.385	113	164464	49.578	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.160%
50) Toluene-d8	8.647	98	621716	49.682	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.360%
62) 4-Bromofluorobenzene	11.079	95	253458	53.841	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.680%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1111	0.347	ug/l	90
11) Tert butyl alcohol	3.001	59	31201	42.725	ug/l	100
16) Acetone	2.392	43	1371008	787.069	ug/l	94
17) Carbon Disulfide	2.514	76	14862	1.920	ug/l	97
25) 2-Butanone	4.562	43	298390	117.361	ug/l	92
29) Tetrahydrofuran	5.007	42	411809	252.665	ug/l	93
30) Chloroform	5.098	83	26171	4.093	ug/l	95
52) Toluene	8.720	92	29906	3.175	ug/l	95
67) Ethyl Benzene	10.195	91	31351	1.663	ug/l	98
68) m/p-Xylenes	10.299	106	43982	6.089	ug/l	97
69) o-Xylene	10.640	106	24979	3.526	ug/l	94
73) Isopropylbenzene	10.963	105	18230	0.929	ug/l	100
78) n-propylbenzene	11.305	91	17734	0.787	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	30963	1.871	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	118829	7.145	ug/l	98
89) n-Butylbenzene	12.329	91	10873	0.743	ug/l #	27
95) Naphthalene	13.774	128	125563	6.996	ug/l	99

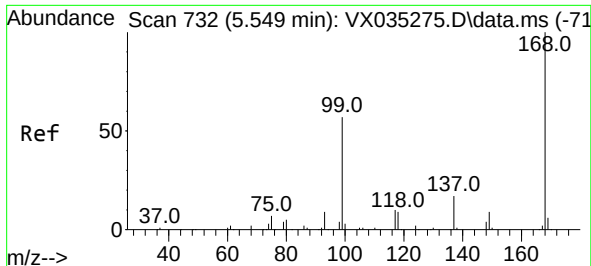
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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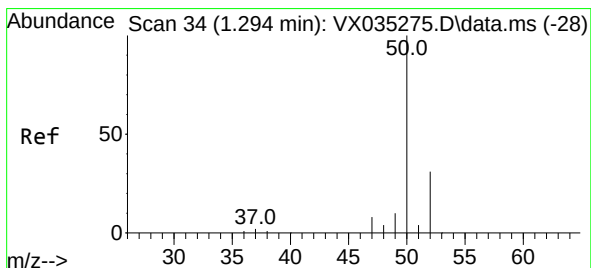
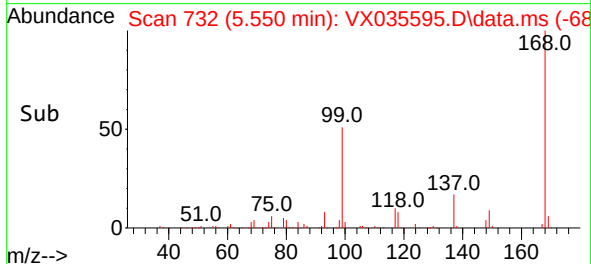
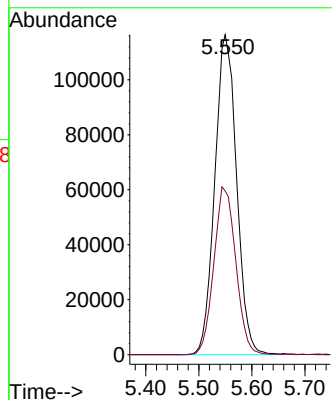
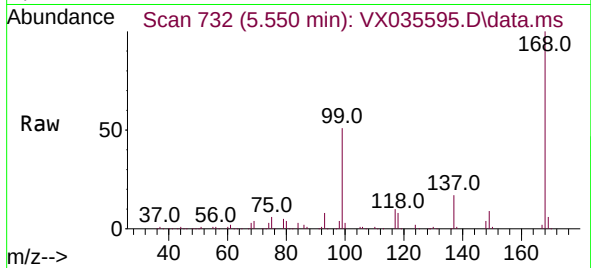




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

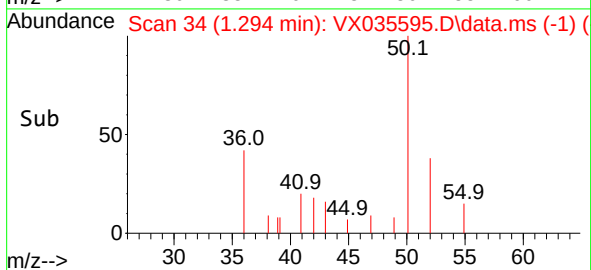
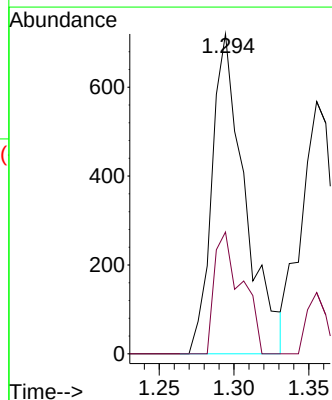
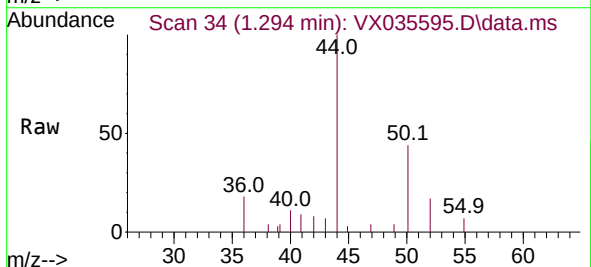
Instrument :
MSVOA_X
ClientSampleId :
PL-OILYWATER

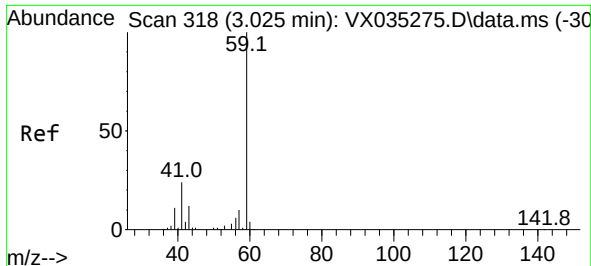
Tgt Ion:168 Resp: 332441
Ion Ratio Lower Upper
168 100
99 51.1 45.7 68.5



#3
Chloromethane
Concen: 0.347 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

Tgt Ion: 50 Resp: 1111
Ion Ratio Lower Upper
50 100
52 38.1 25.9 38.9

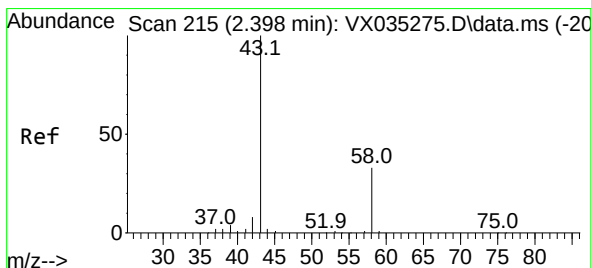
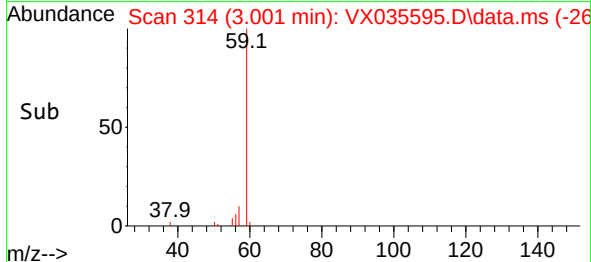
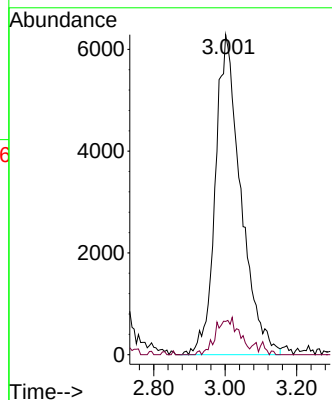
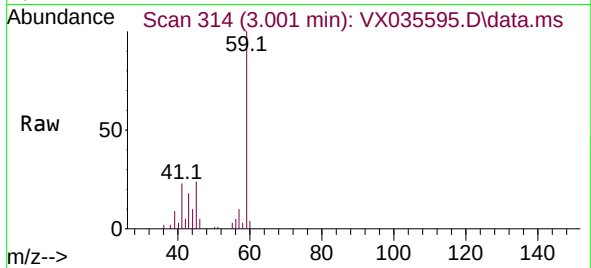




#11
Tert butyl alcohol
Concen: 42.725 ug/l
RT: 3.001 min Scan# 31
Delta R.T. -0.024 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

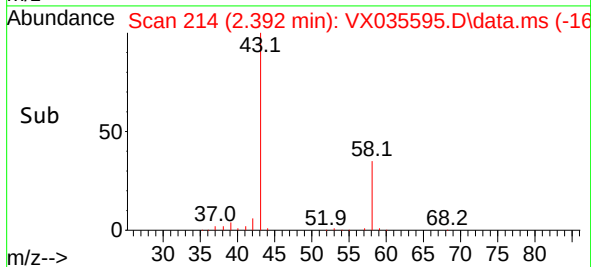
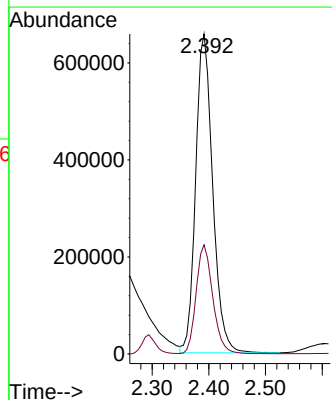
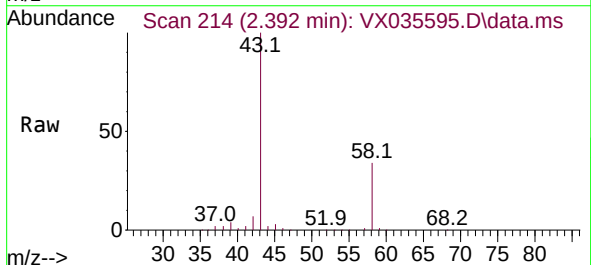
Instrument :
MSVOA_X
ClientSampleId :
PL-OILYWATER

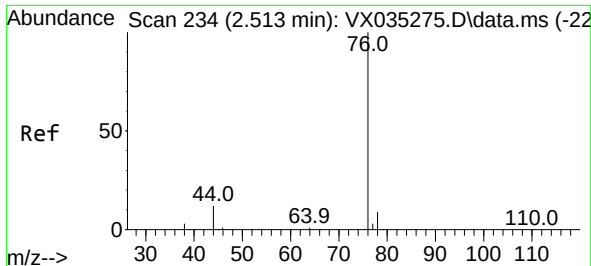
Tgt Ion: 59 Resp: 31201
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1



#16
Acetone
Concen: 787.069 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

Tgt Ion: 43 Resp: 1371008
Ion Ratio Lower Upper
43 100
58 34.1 24.7 37.1

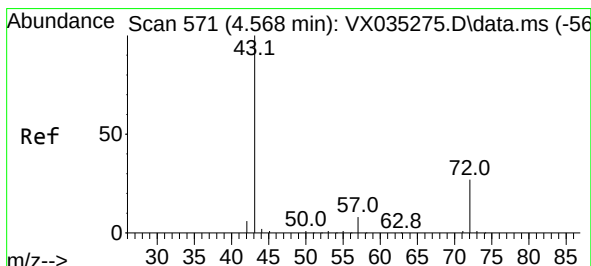
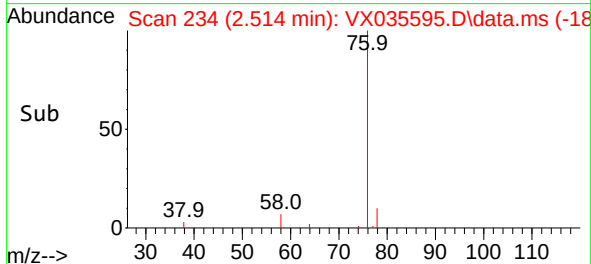
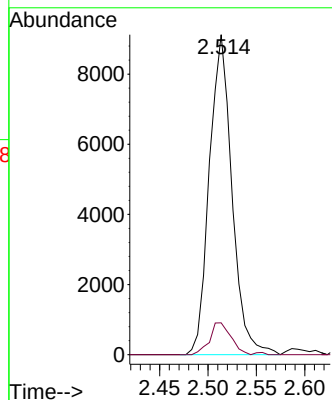
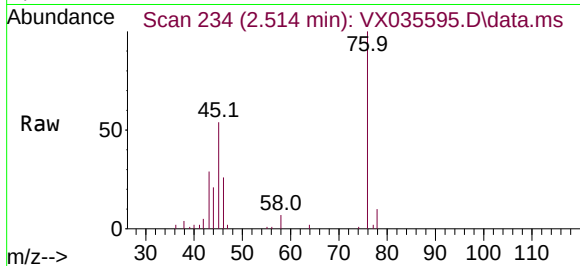




#17
Carbon Disulfide
Concen: 1.920 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

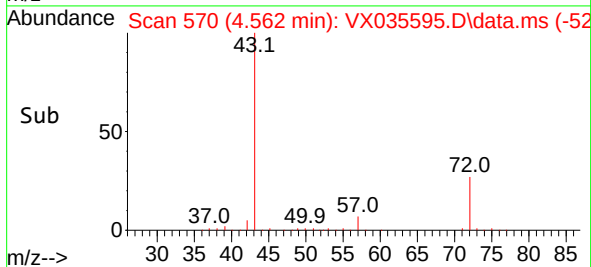
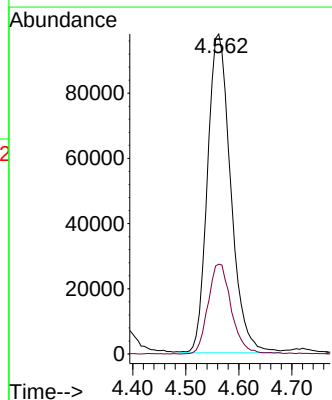
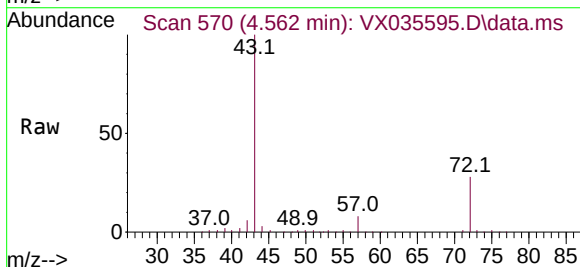
Instrument :
MSVOA_X
ClientSampleId :
PL-OILYWATER

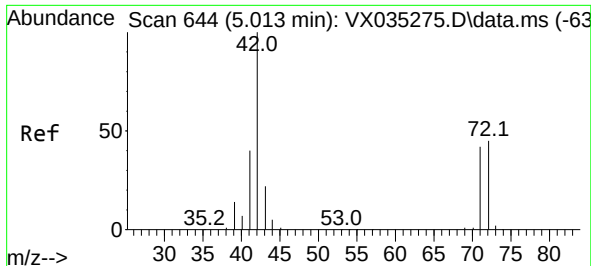
Tgt Ion: 76 Resp: 14862
Ion Ratio Lower Upper
76 100
78 10.0 7.2 10.8



#25
2-Butanone
Concen: 117.361 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.006 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

Tgt Ion: 43 Resp: 298390
Ion Ratio Lower Upper
43 100
72 28.3 19.3 28.9





#29

Tetrahydrofuran

Concen: 252.665 ug/l

RT: 5.007 min Scan# 64

Delta R.T. -0.006 min

Lab File: VX035595.D

Acq: 10 May 2023 18:43

Instrument :

MSVOA_X

ClientSampleId :

PL-OILYWATER

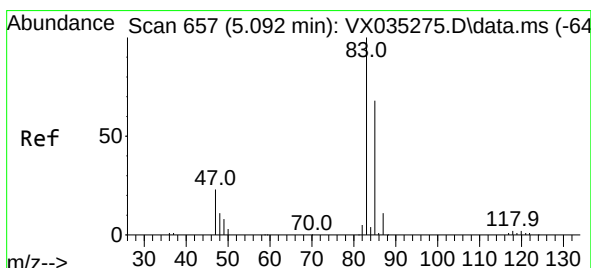
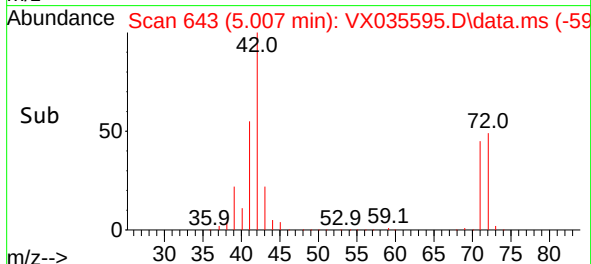
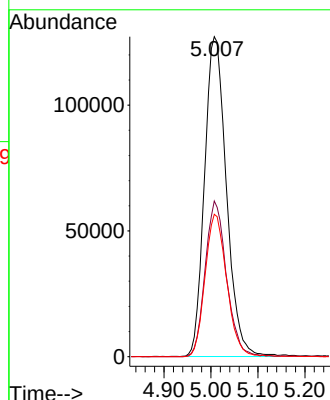
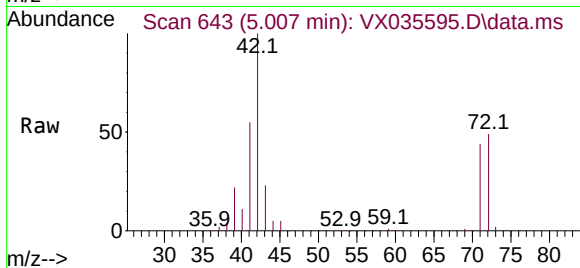
Tgt Ion: 42 Resp: 411809

Ion Ratio Lower Upper

42 100

72 47.5 34.5 51.7

71 44.1 32.1 48.1



#30

Chloroform

Concen: 4.093 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX035595.D

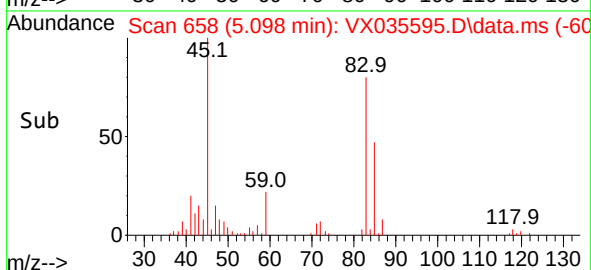
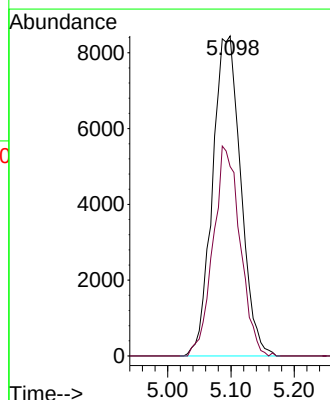
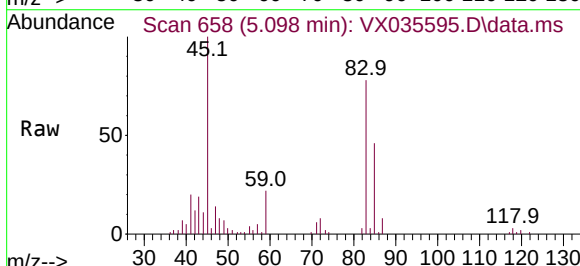
Acq: 10 May 2023 18:43

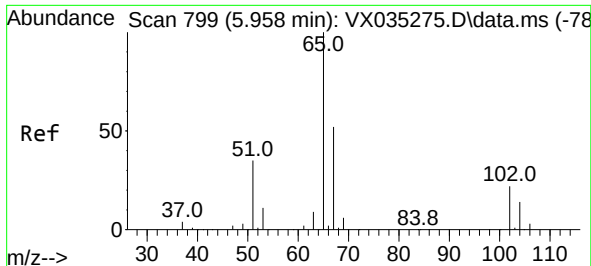
Tgt Ion: 83 Resp: 26171

Ion Ratio Lower Upper

83 100

85 59.2 50.6 76.0





#33

1,2-Dichloroethane-d4

Concen: 42.197 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX035595.D

Acq: 10 May 2023 18:43

Instrument :

MSVOA_X

ClientSampleId :

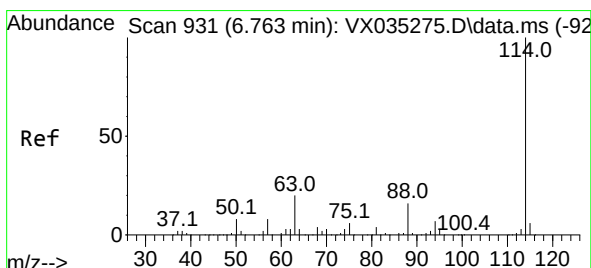
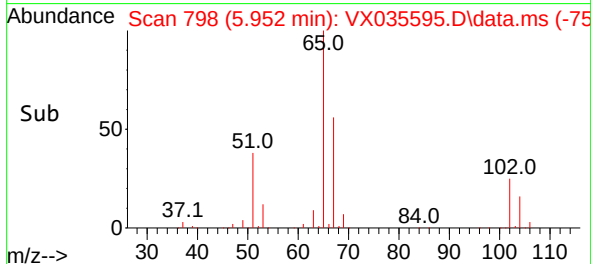
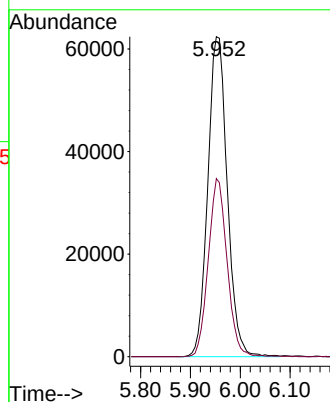
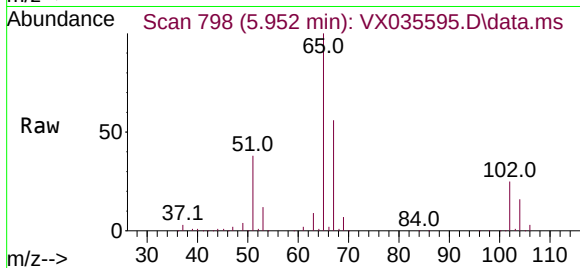
PL-OILYWATER

Tgt Ion: 65 Resp: 169238

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035595.D

Acq: 10 May 2023 18:43

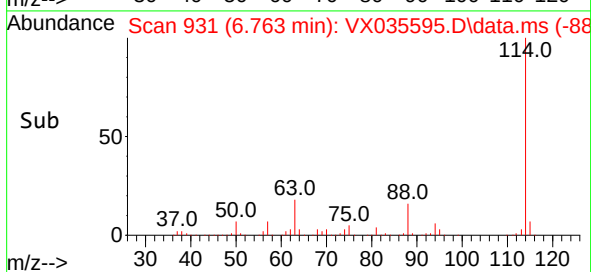
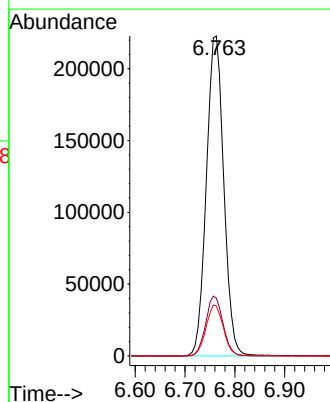
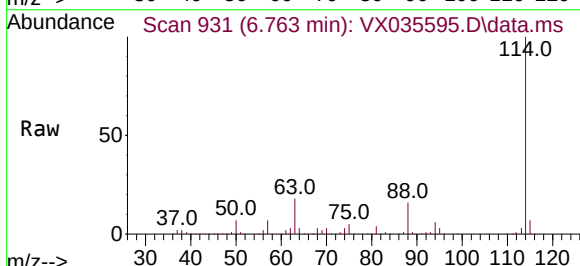
Tgt Ion: 114 Resp: 540480

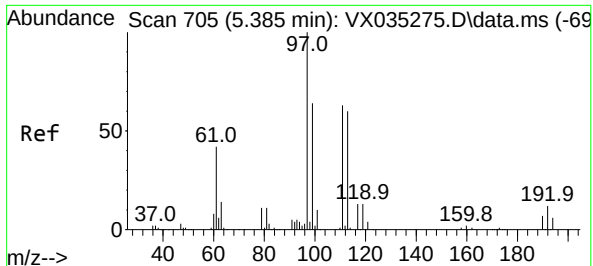
Ion Ratio Lower Upper

114 100

63 18.1 0.0 42.2

88 15.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.578 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035595.D

Acq: 10 May 2023 18:43

Instrument :

MSVOA_X

ClientSampleId :

PL-OILYWATER

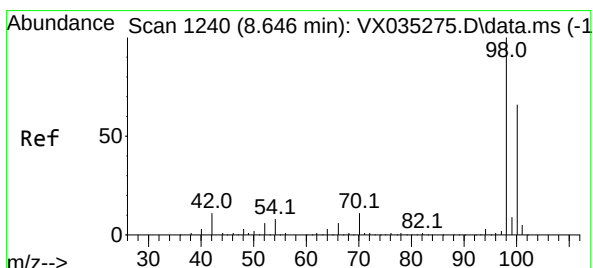
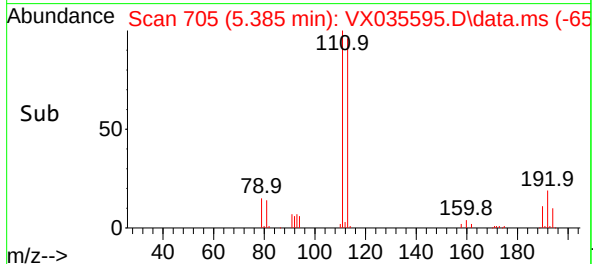
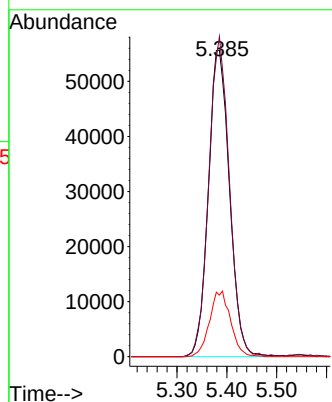
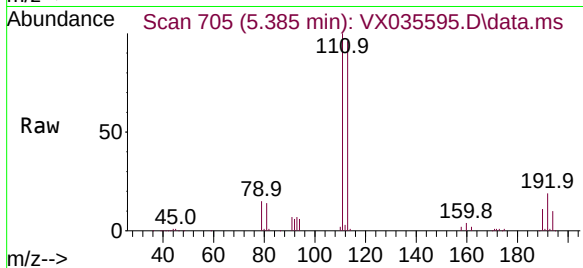
Tgt Ion:113 Resp: 164464

Ion Ratio Lower Upper

113 100

111 101.5 83.7 125.5

192 21.3 15.4 23.2



#50

Toluene-d8

Concen: 49.682 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX035595.D

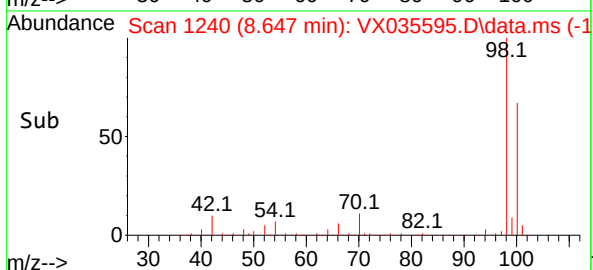
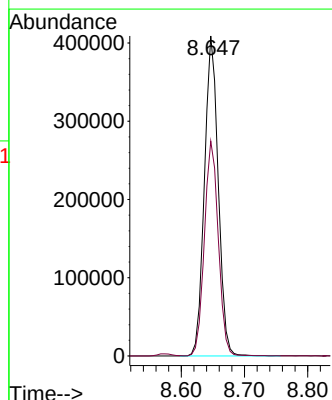
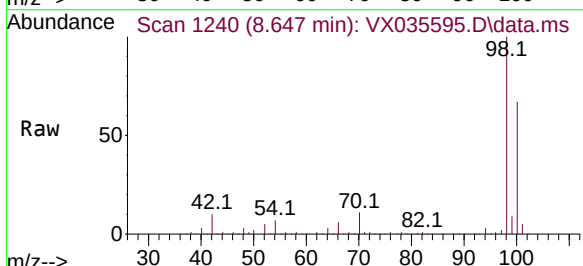
Acq: 10 May 2023 18:43

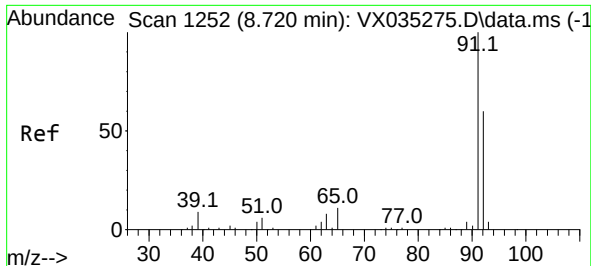
Tgt Ion: 98 Resp: 621716

Ion Ratio Lower Upper

98 100

100 67.6 52.5 78.7

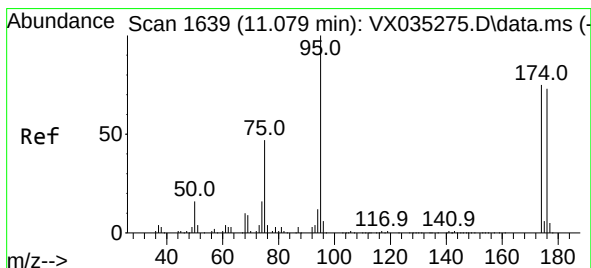
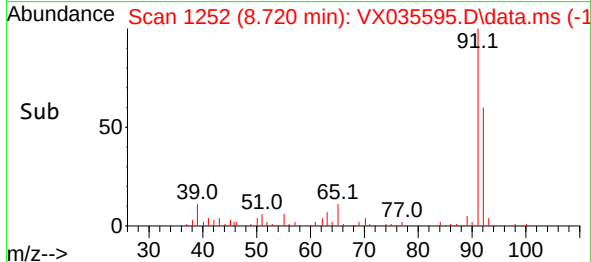
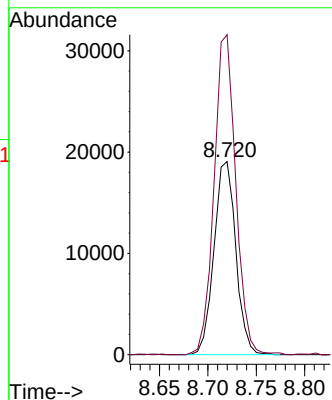
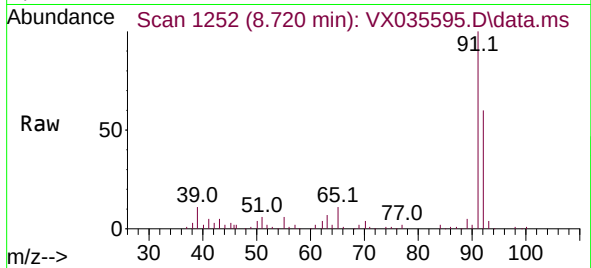




#52
Toluene
Concen: 3.175 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

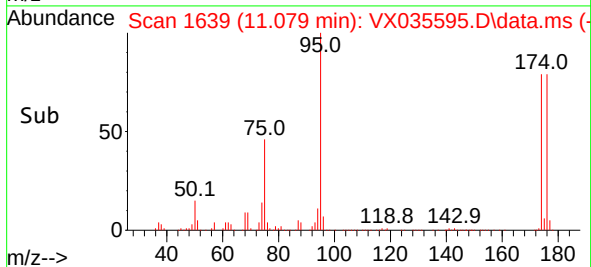
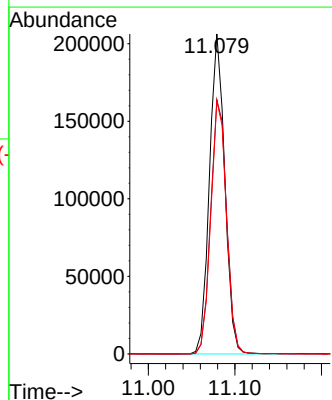
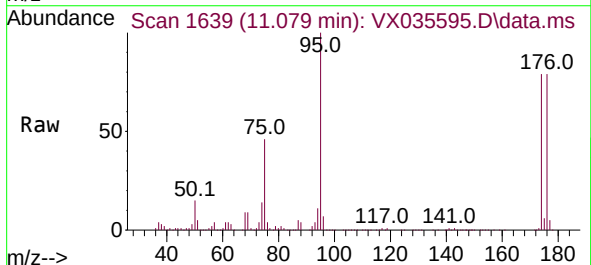
Instrument :
MSVOA_X
ClientSampleId :
PL-OILYWATER

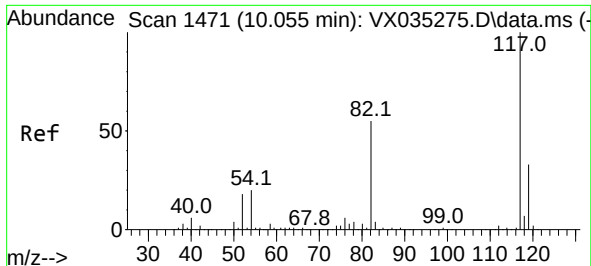
Tgt Ion: 92 Resp: 29906
Ion Ratio Lower Upper
92 100
91 164.7 136.8 205.2



#62
4-Bromofluorobenzene
Concen: 53.841 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

Tgt Ion: 95 Resp: 253458
Ion Ratio Lower Upper
95 100
174 82.6 0.0 147.4
176 80.9 0.0 140.6

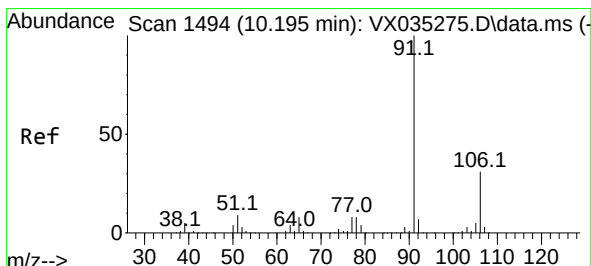
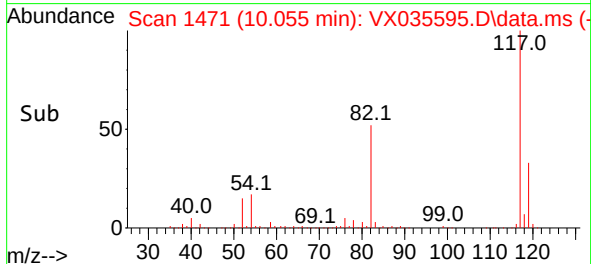
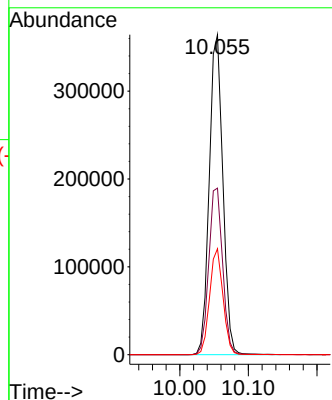
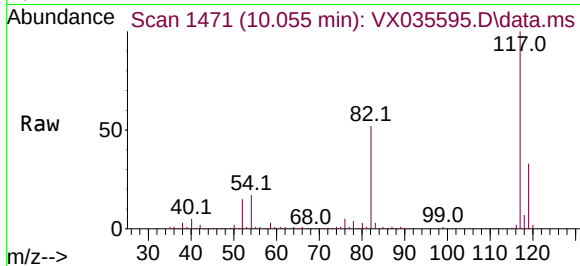




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

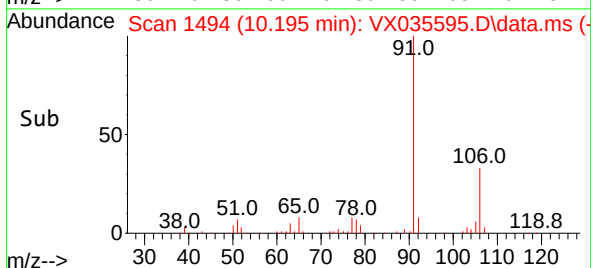
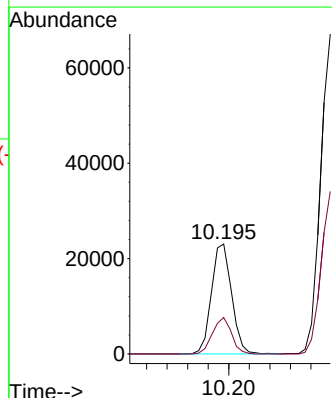
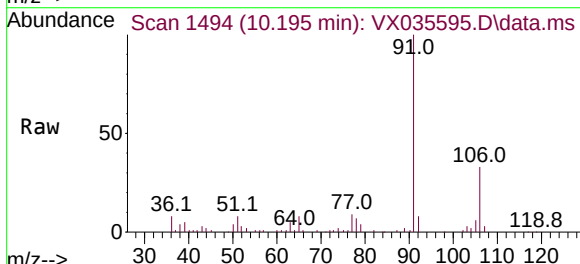
Instrument :
MSVOA_X
ClientSampleId :
PL-OILYWATER

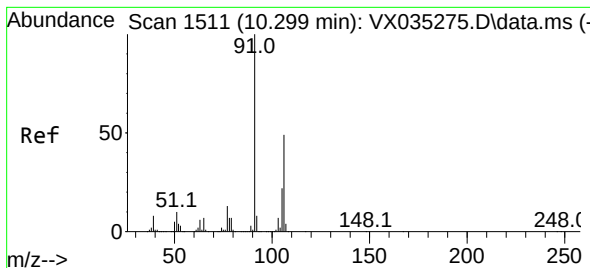
Tgt Ion:117 Resp: 503135
Ion Ratio Lower Upper
117 100
82 52.1 45.0 67.4
119 33.1 26.0 39.0



#67
Ethyl Benzene
Concen: 1.663 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

Tgt Ion: 91 Resp: 31351
Ion Ratio Lower Upper
91 100
106 33.2 25.6 38.4

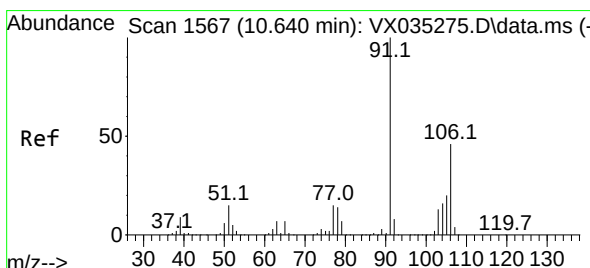
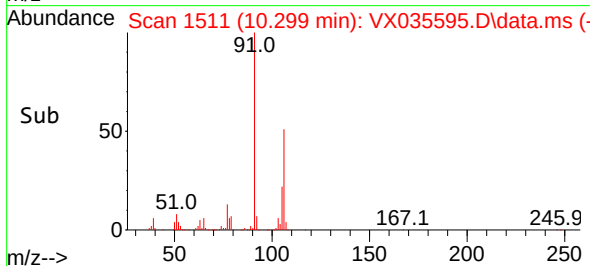
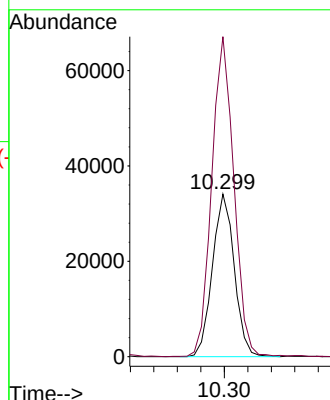
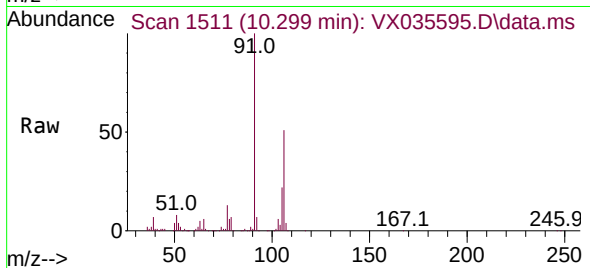




#68
m/p-Xylenes
Concen: 6.089 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

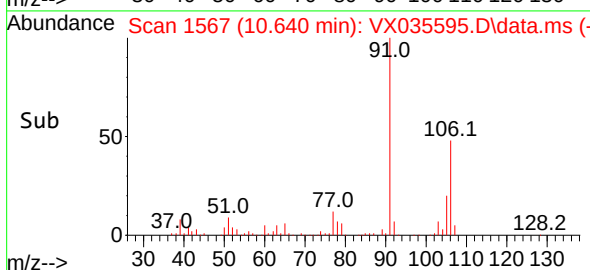
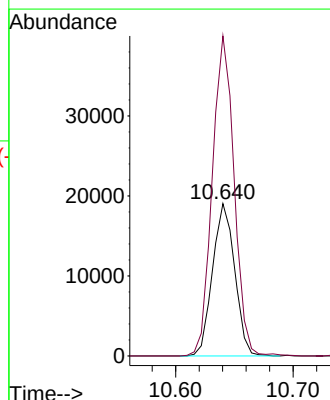
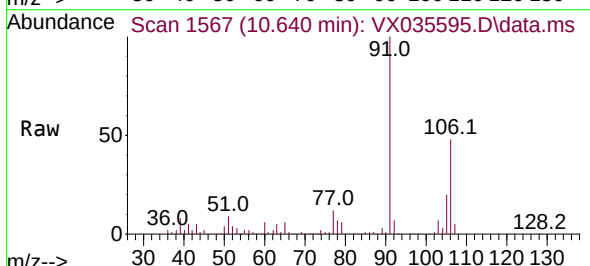
Instrument :
MSVOA_X
ClientSampleId :
PL-OILYWATER

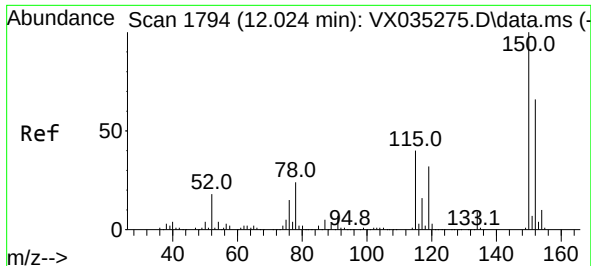
Tgt Ion:106 Resp: 43982
Ion Ratio Lower Upper
106 100
91 200.0 164.0 246.0



#69
o-Xylene
Concen: 3.526 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

Tgt Ion:106 Resp: 24979
Ion Ratio Lower Upper
106 100
91 207.2 108.5 325.3

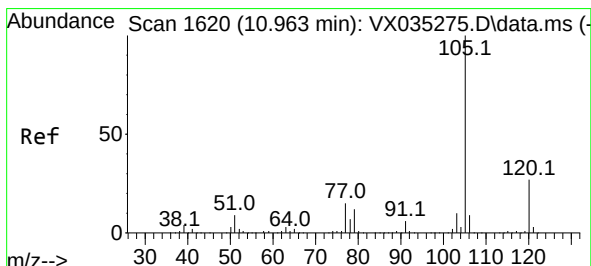
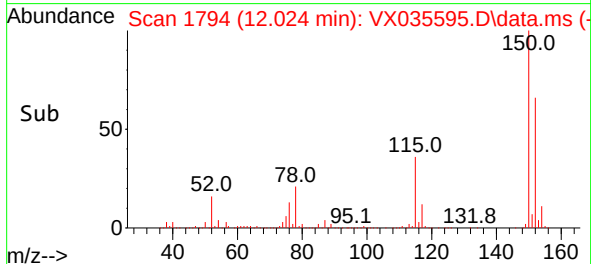
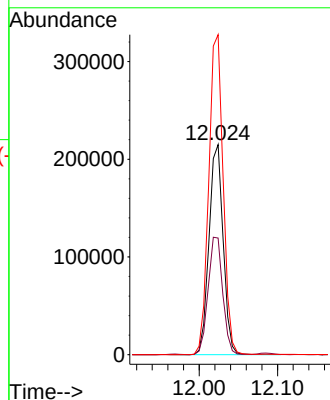
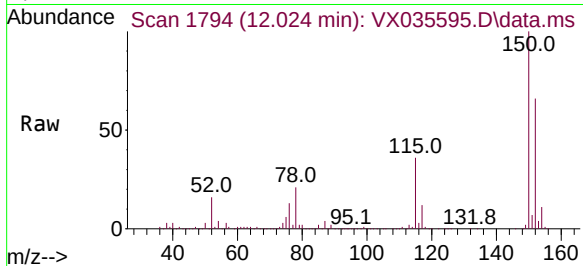




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

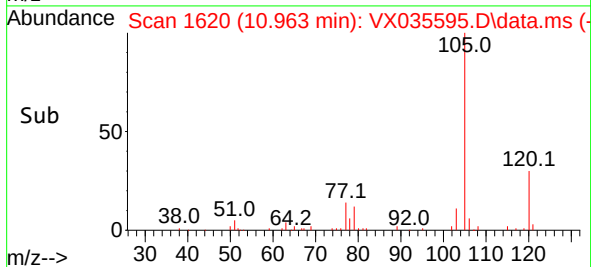
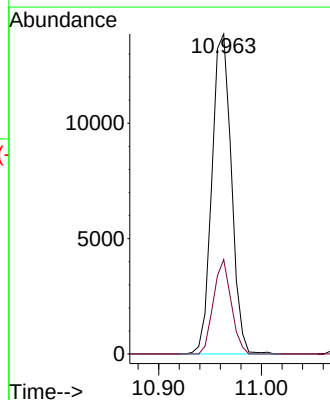
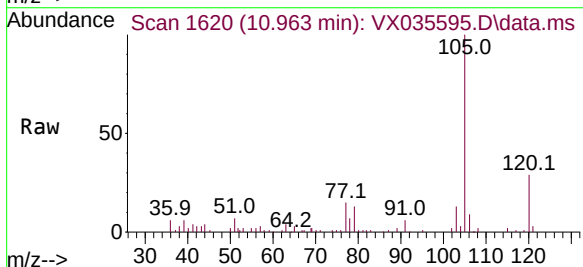
Instrument :
MSVOA_X
ClientSampleId :
PL-OILYWATER

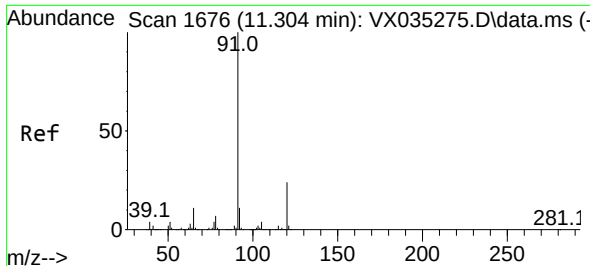
Tgt Ion:152 Resp: 268553
Ion Ratio Lower Upper
152 100
115 57.7 45.0 135.0
150 154.9 0.0 352.4



#73
Isopropylbenzene
Concen: 0.929 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

Tgt Ion:105 Resp: 18230
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9

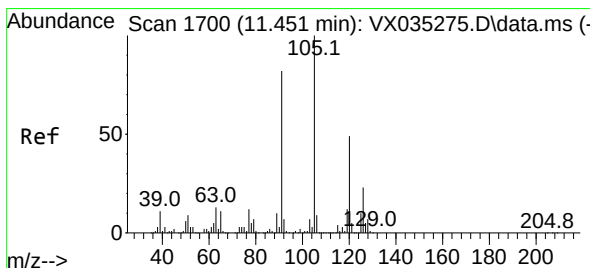
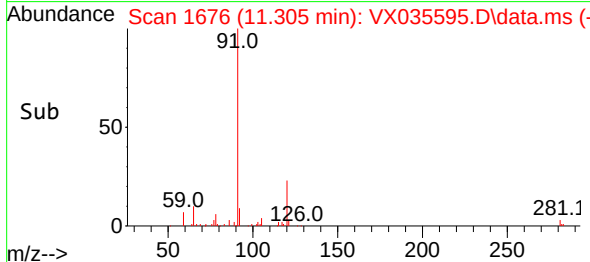
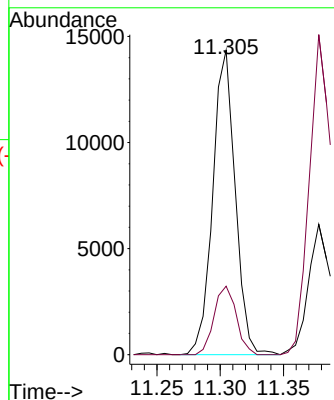
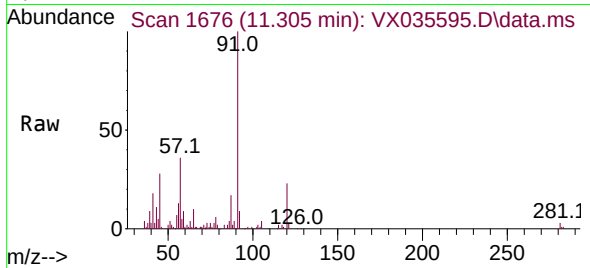




#78
n-propylbenzene
Concen: 0.787 ug/l
RT: 11.305 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

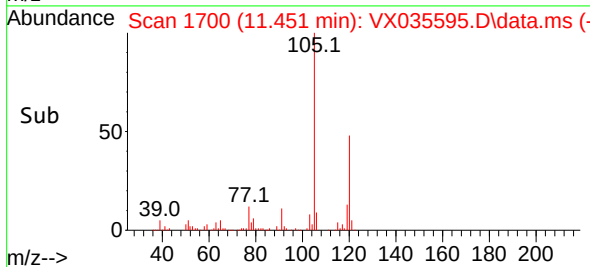
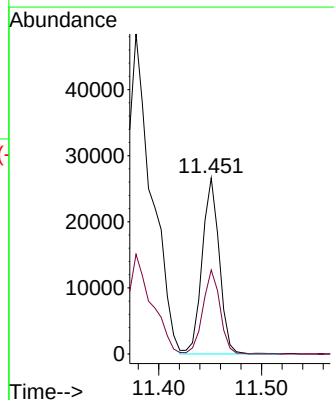
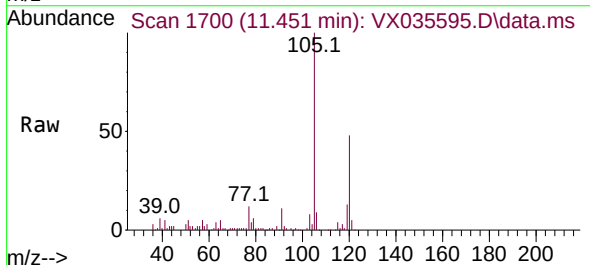
Instrument :
MSVOA_X
ClientSampleId :
PL-OILYWATER

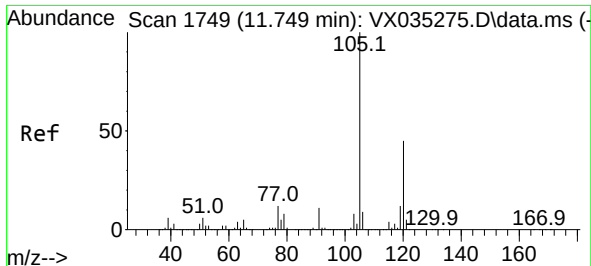
Tgt Ion: 91 Resp: 17734
Ion Ratio Lower Upper
91 100
120 22.2 11.5 34.5



#80
1,3,5-Trimethylbenzene
Concen: 1.871 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

Tgt Ion: 105 Resp: 30963
Ion Ratio Lower Upper
105 100
120 47.4 23.7 71.1

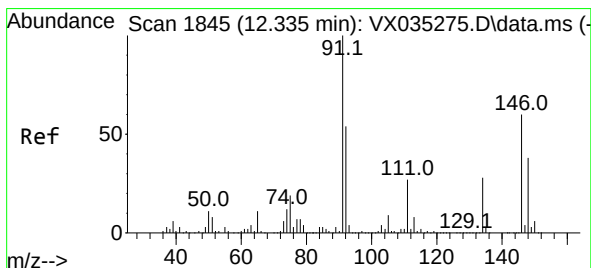
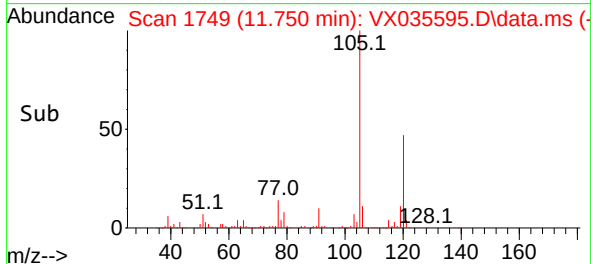
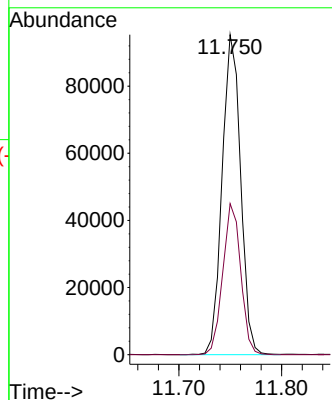
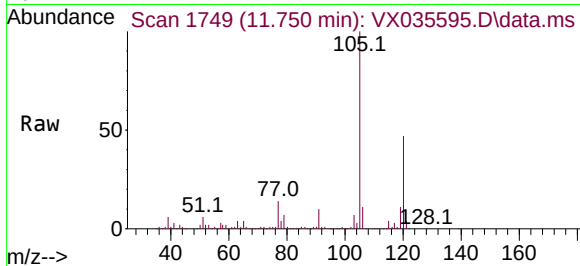




#84
1,2,4-Trimethylbenzene
Concen: 7.145 ug/l
RT: 11.750 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

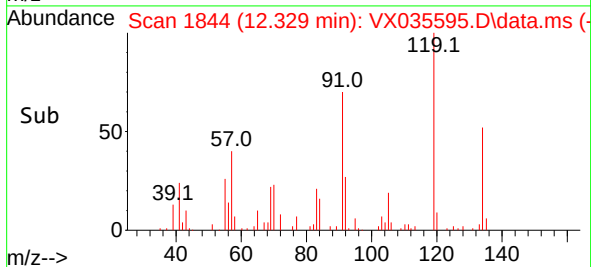
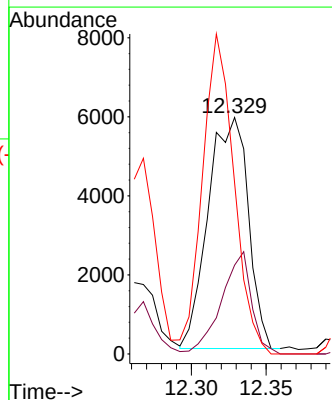
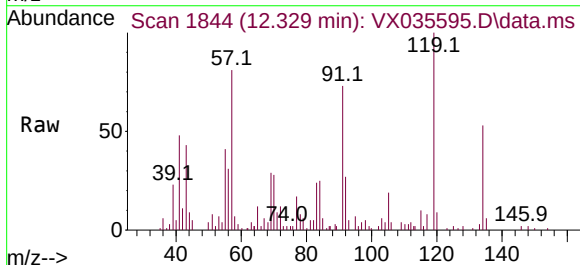
Instrument :
MSVOA_X
ClientSampleId :
PL-OILYWATER

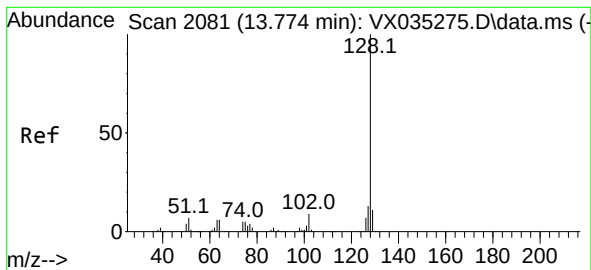
Tgt Ion:105 Resp: 118829
Ion Ratio Lower Upper
105 100
120 45.8 22.4 67.0



#89
n-Butylbenzene
Concen: 0.743 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

Tgt Ion: 91 Resp: 10873
Ion Ratio Lower Upper
91 100
92 33.2 27.7 83.0
134 109.9 13.0 38.9#





#95
Naphthalene
Concen: 6.996 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX035595.D
Acq: 10 May 2023 18:43

Instrument :
MSVOA_X
ClientSampleId :
PL-OILYWATER

Tgt Ion:128 Resp: 125563
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.8 8.6 13.0

