

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031416.D
 Acq On : 16 Sep 2022 17:36
 Operator : JC/MD
 Sample : N4526-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-0907

Quant Time: Sep 17 02:06:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

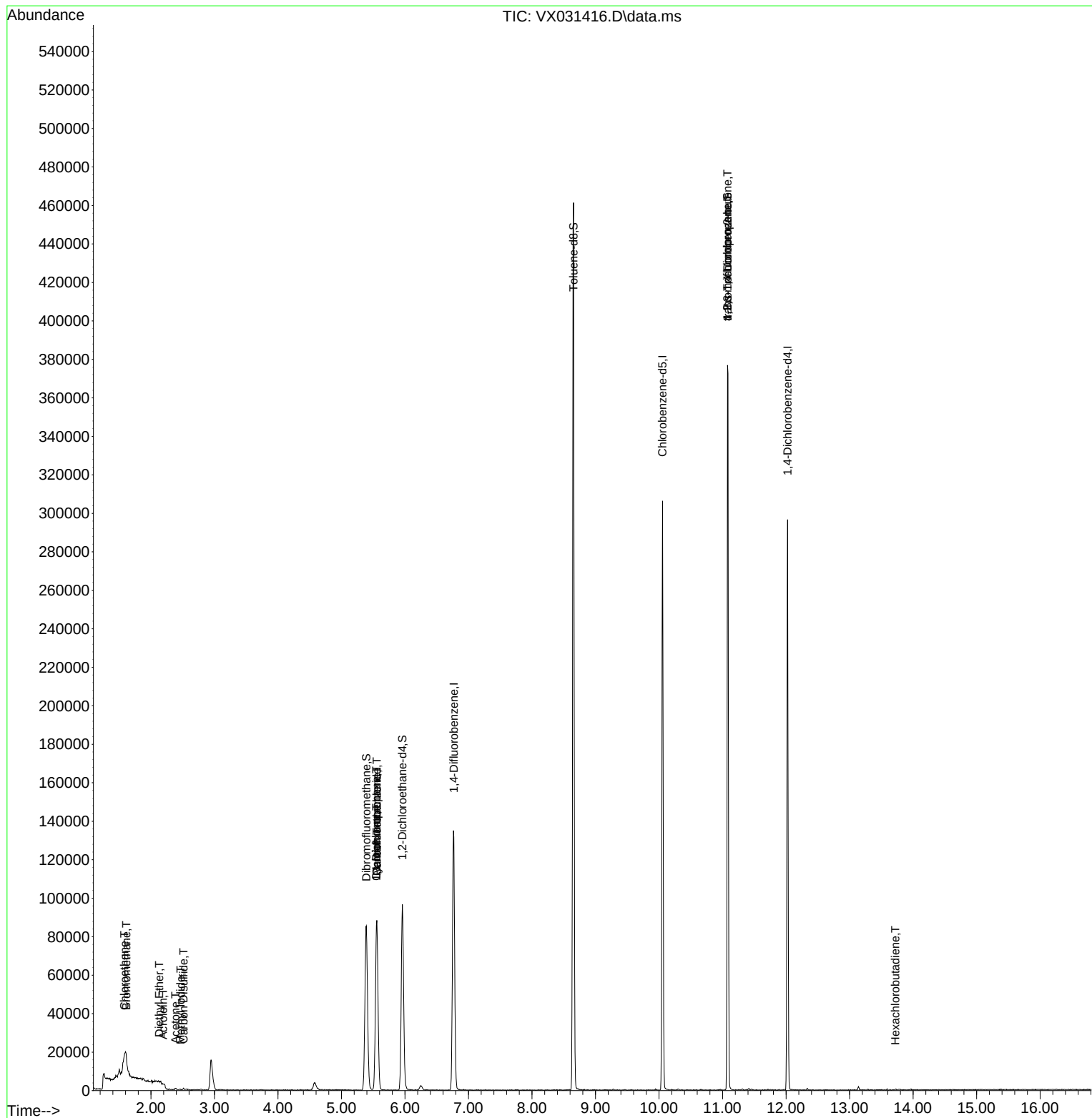
Internal Standards						
1) Pentafluorobenzene	5.556	168	83370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	139882	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	57913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85001	41.538	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.080%		
35) Dibromofluoromethane	5.391	113	70960	47.192	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.380%		
50) Toluene-d8	8.653	98	267344	47.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.800%		
62) 4-Bromofluorobenzene	11.079	95	88174	42.690	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.380%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	487	Below Cal	#	41
5) Bromomethane	1.611	94	582	0.533	ug/l #	76
6) Chloroethane	1.581	64	19517	16.897	ug/l #	52
8) Diethyl Ether	2.130	74	30	0.553	ug/l #	1
10) Methyl Iodide	2.465	142	449	1.236	ug/l #	66
13) Acrolein	2.191	56	95	0.402	ug/l #	31
16) Acetone	2.386	43	801	0.917	ug/l	96
17) Carbon Disulfide	2.514	76	897	1.196	ug/l #	75
20) Methylene Chloride	2.788	84	126	Below Cal	#	82
21) trans-1,2-Dichloroethene	3.087	96	66	Below Cal	#	41
31) Cyclohexane	5.550	56	1957	0.890	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	6804	3.306	ug/l #	49
38) Carbon Tetrachloride	5.556	117	8845	3.954	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	50888	34.869	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	50888	96.483	ug/l #	11
94) Hexachlorobutadiene	13.719	225	182	0.455	ug/l #	53

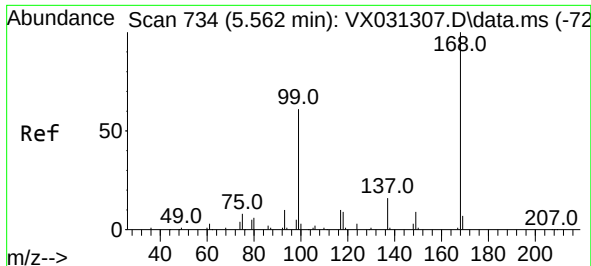
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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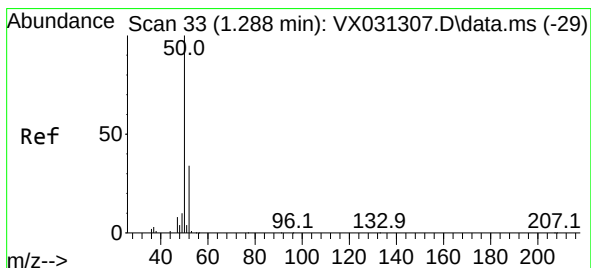
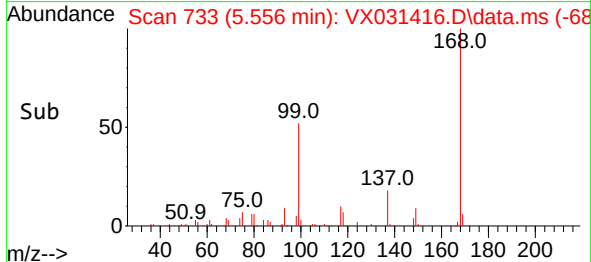
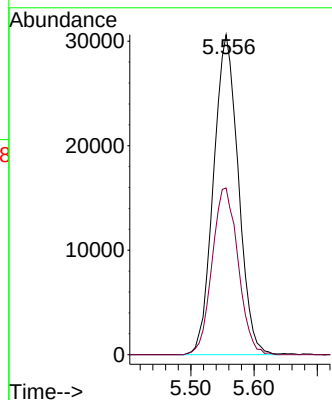
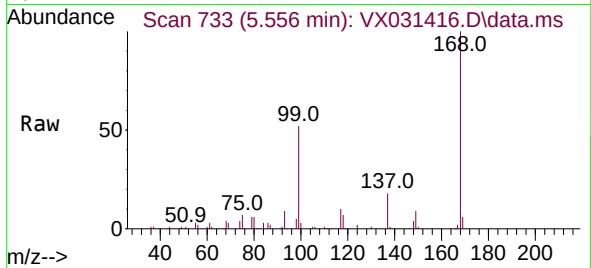




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031416.D
Acq: 16 Sep 2022 17:36

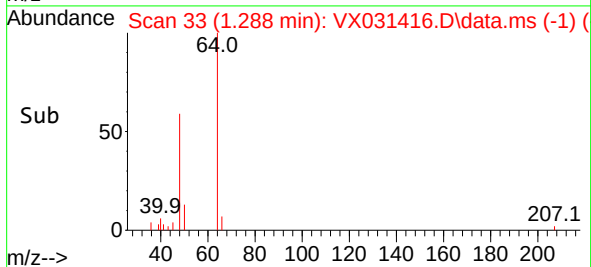
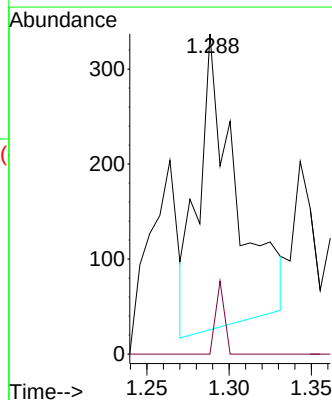
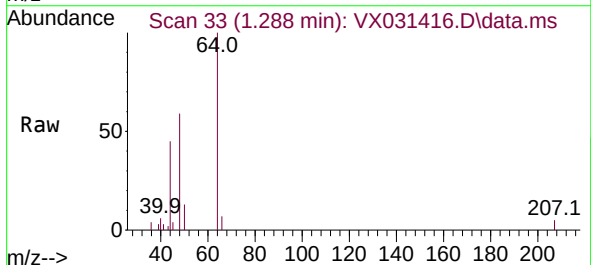
Instrument :
MSVOA_X
ClientSampleId :
EFF-0907

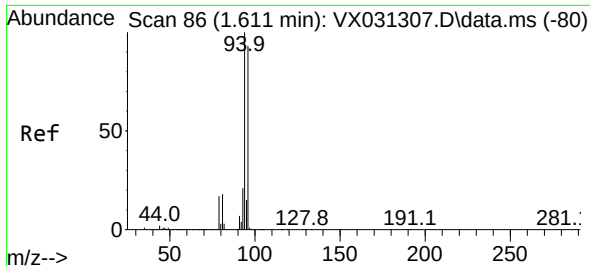
Tgt Ion:168 Resp: 83370
Ion Ratio Lower Upper
168 100
99 52.1 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031416.D
Acq: 16 Sep 2022 17:36

Tgt Ion: 50 Resp: 487
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

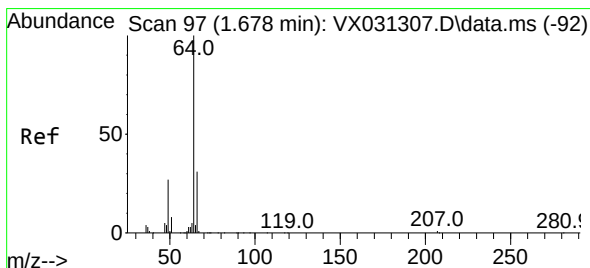
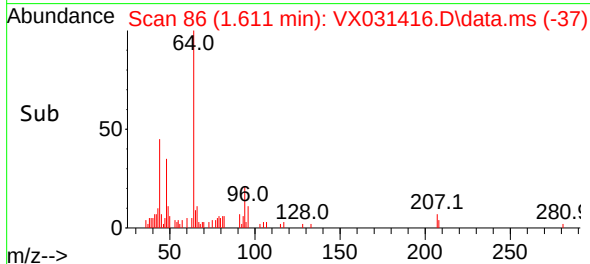
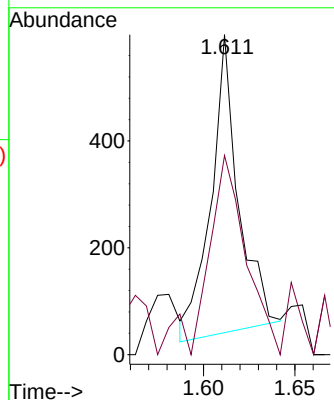
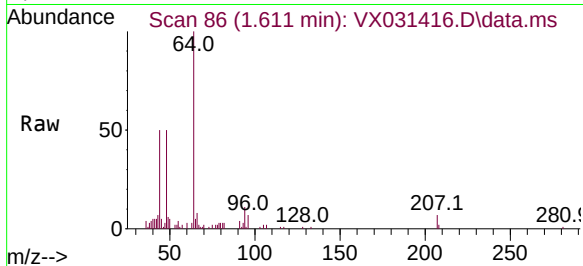




#5
Bromomethane
Concen: 0.533 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031416.D
Acq: 16 Sep 2022 17:36

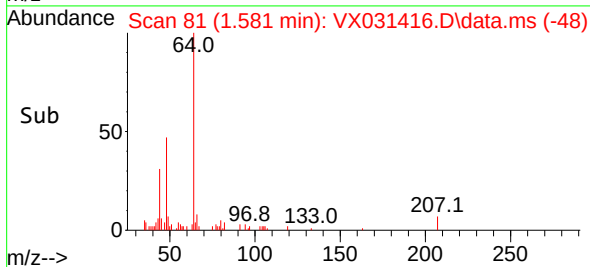
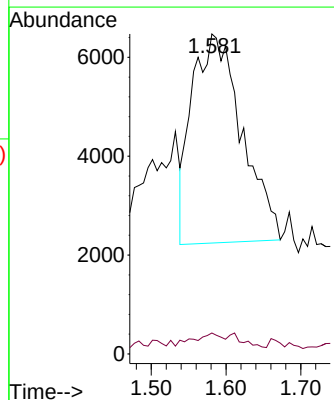
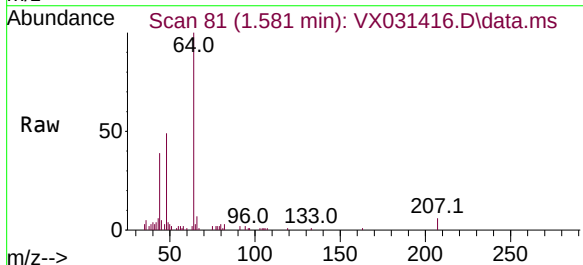
Instrument :
MSVOA_X
ClientSampleId :
EFF-0907

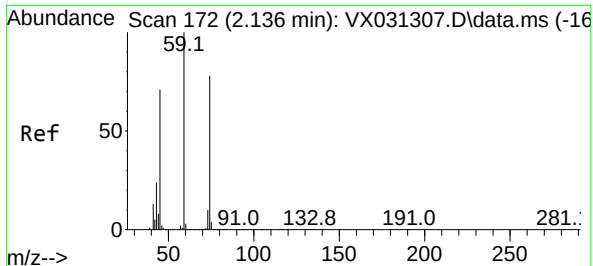
Tgt Ion: 94 Resp: 582
Ion Ratio Lower Upper
94 100
96 69.6 74.4 111.6#



#6
Chloroethane
Concen: 16.897 ug/l
RT: 1.581 min Scan# 81
Delta R.T. -0.097 min
Lab File: VX031416.D
Acq: 16 Sep 2022 17:36

Tgt Ion: 64 Resp: 19517
Ion Ratio Lower Upper
64 100
66 4.9 25.0 37.4#

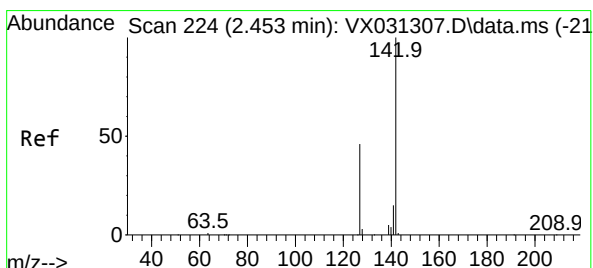
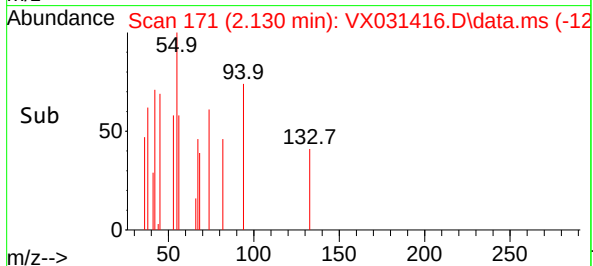
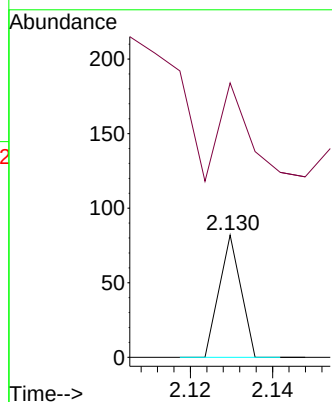
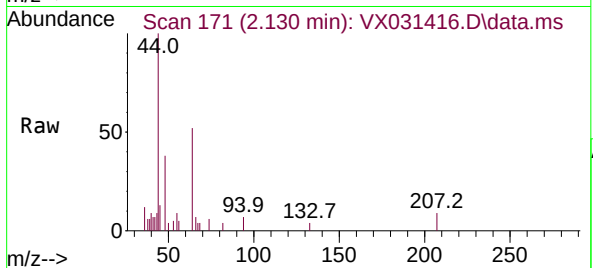




#8
Diethyl Ether
Concen: 0.553 ug/l
RT: 2.130 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031416.D
Acq: 16 Sep 2022 17:36

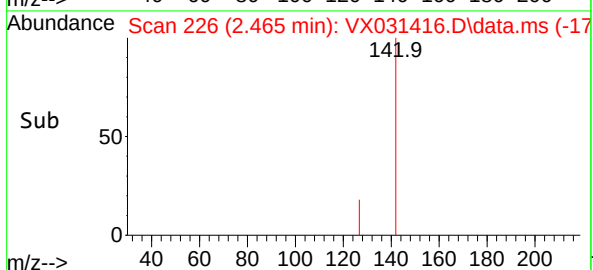
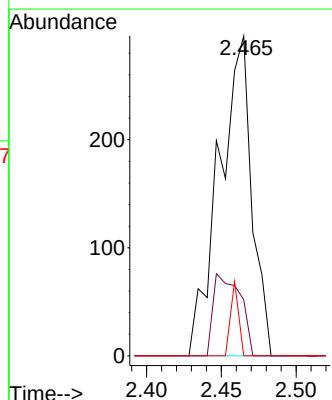
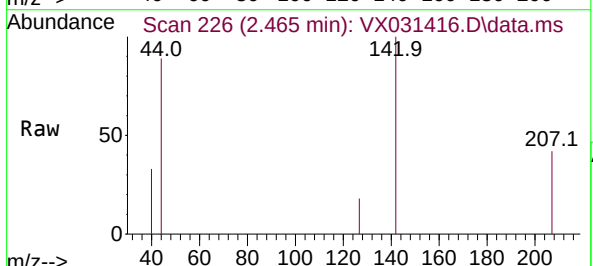
Instrument :
MSVOA_X
ClientSampleId :
EFF-0907

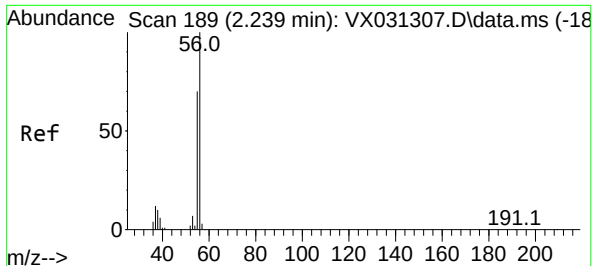
Tgt Ion: 74 Resp: 30
Ion Ratio Lower Upper
74 100
45 0.0 48.5 145.6#



#10
Methyl Iodide
Concen: 1.236 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX031416.D
Acq: 16 Sep 2022 17:36

Tgt Ion: 142 Resp: 449
Ion Ratio Lower Upper
142 100
127 21.2 37.4 56.0#
141 5.6 11.6 17.4#

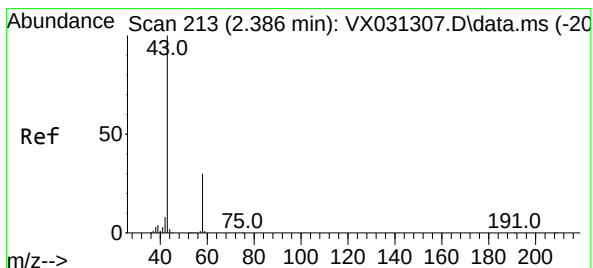
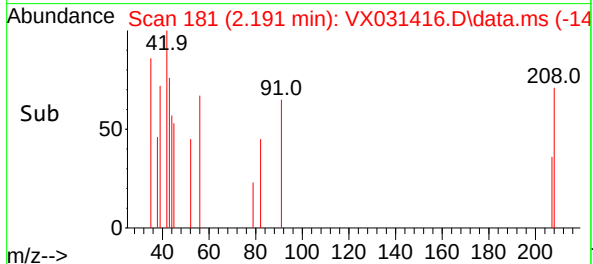
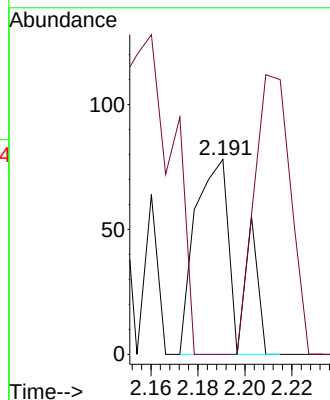
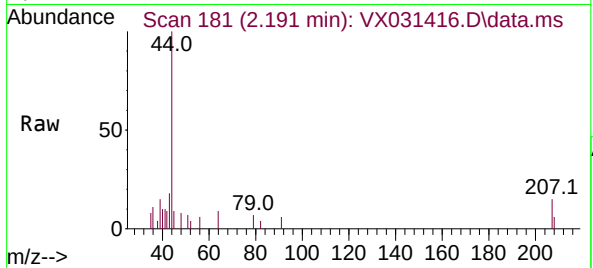




#13
Acrolein
Concen: 0.402 ug/l
RT: 2.191 min Scan# 11
Delta R.T. -0.048 min
Lab File: VX031416.D
Acq: 16 Sep 2022 17:36

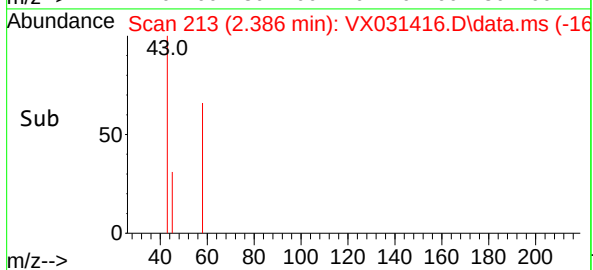
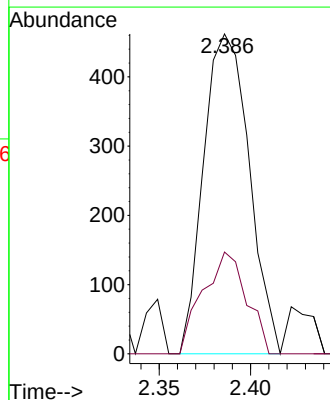
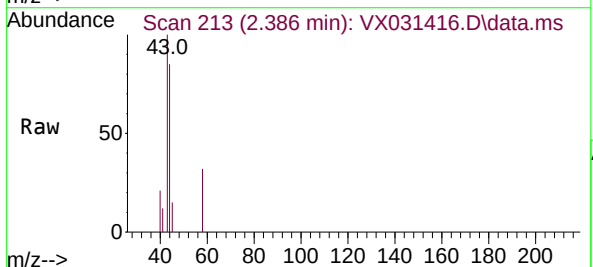
Instrument :
MSVOA_X
ClientSampleId :
EFF-0907

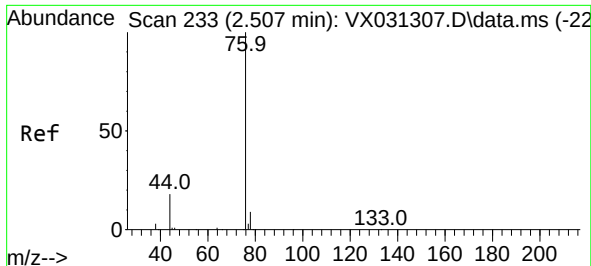
Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 126.3 56.0 84.0#



#16
Acetone
Concen: 0.917 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX031416.D
Acq: 16 Sep 2022 17:36

Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
58 31.8 23.8 35.8





#17

Carbon Disulfide

Concen: 1.196 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.007 min

Lab File: VX031416.D

Acq: 16 Sep 2022 17:36

Instrument :

MSVOA_X

ClientSampleId :

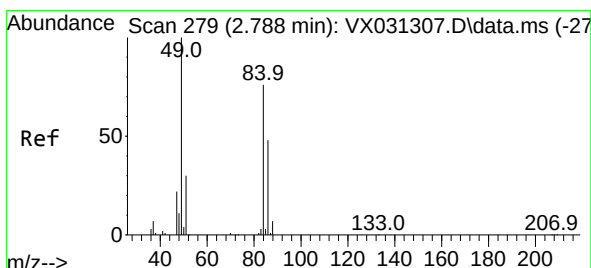
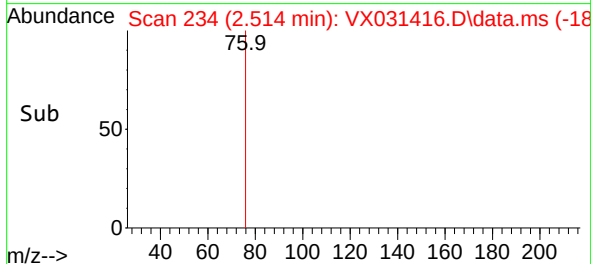
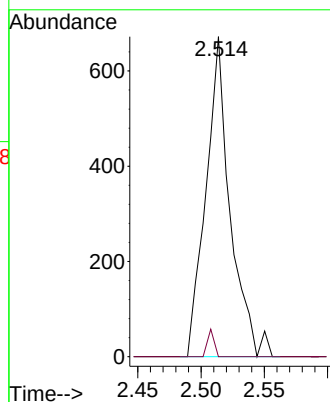
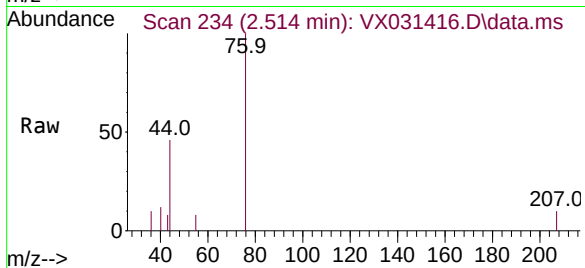
EFF-0907

Tgt Ion: 76 Resp: 897

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX031416.D

Acq: 16 Sep 2022 17:36

Tgt Ion: 84 Resp: 126

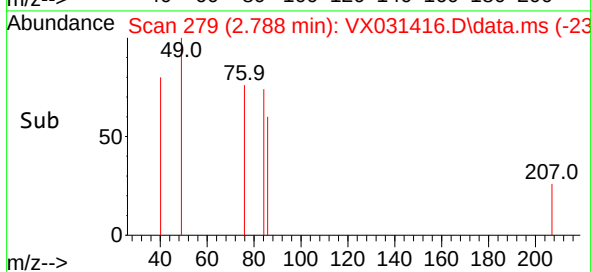
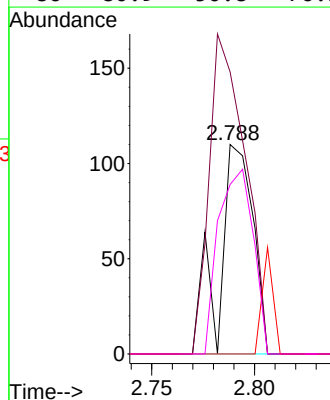
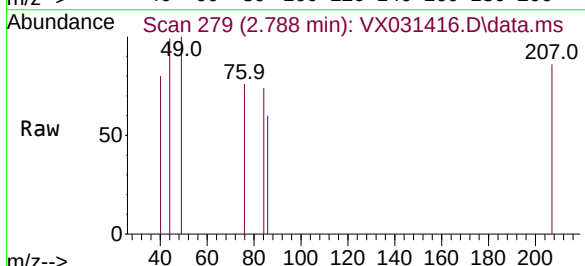
Ion Ratio Lower Upper

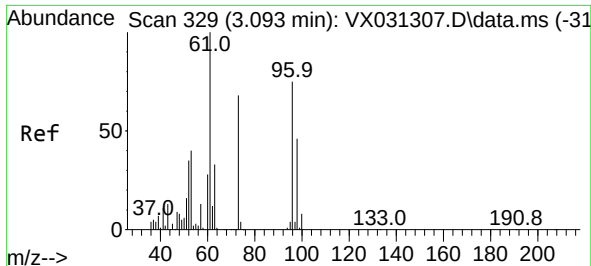
84 100

49 134.5 105.9 158.9

51 0.0 32.2 48.2#

86 80.9 50.8 76.2#

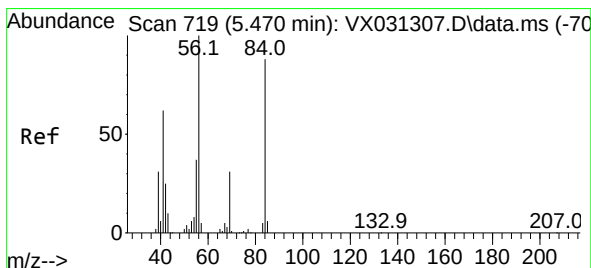
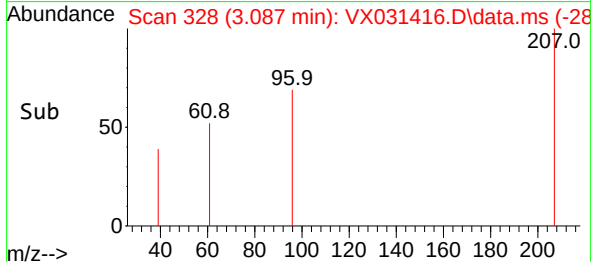
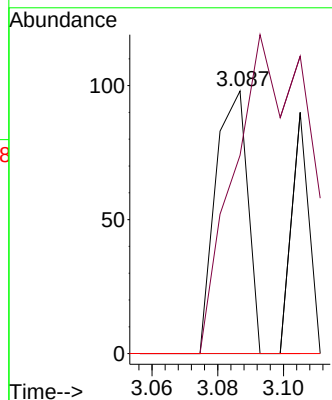
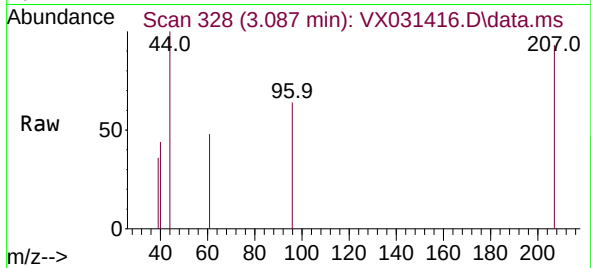




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX031416.D
Acq: 16 Sep 2022 17:36

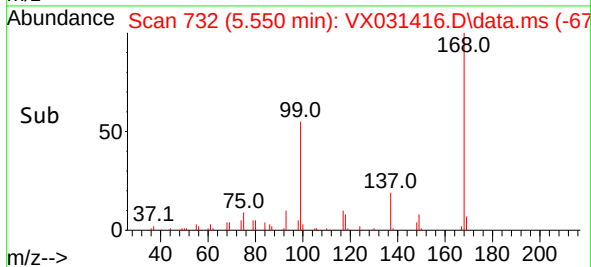
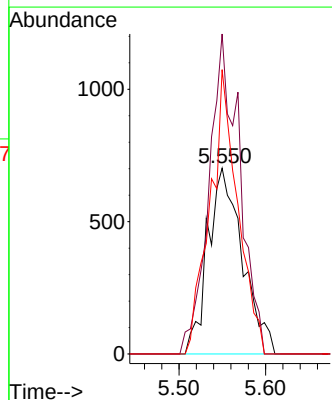
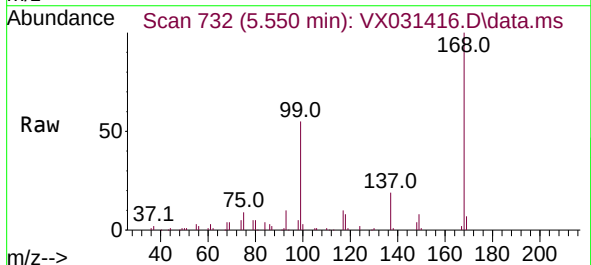
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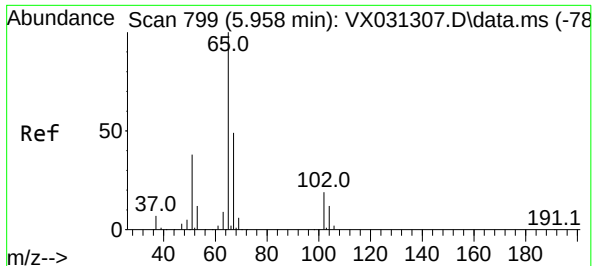
Tgt Ion: 96 Resp: 66
Ion Ratio Lower Upper
96 100
61 75.5 106.7 160.1#
98 0.0 48.7 73.1#



#31
Cyclohexane
Concen: 0.890 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX031416.D
Acq: 16 Sep 2022 17:36

Tgt Ion: 56 Resp: 1957
Ion Ratio Lower Upper
56 100
69 172.2 25.1 37.7#
84 153.0 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 41.538 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031416.D

Acq: 16 Sep 2022 17:36

Instrument :

MSVOA_X

ClientSampleId :

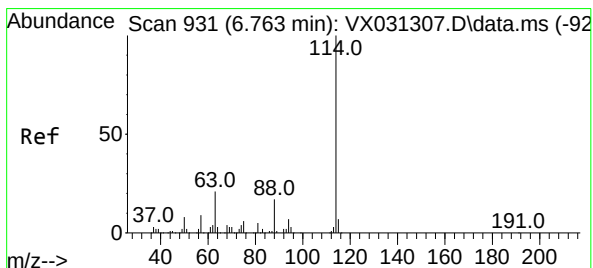
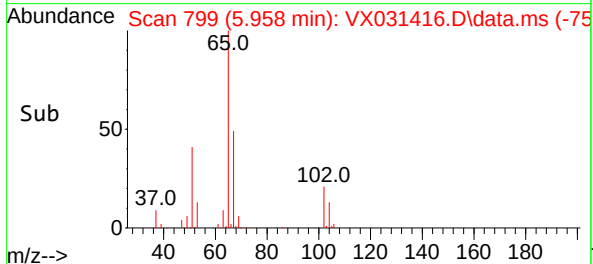
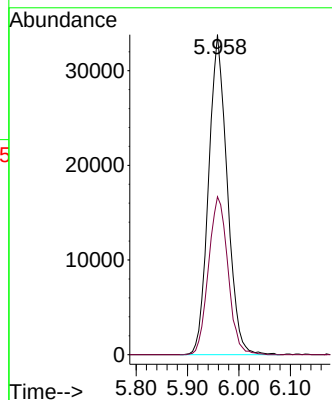
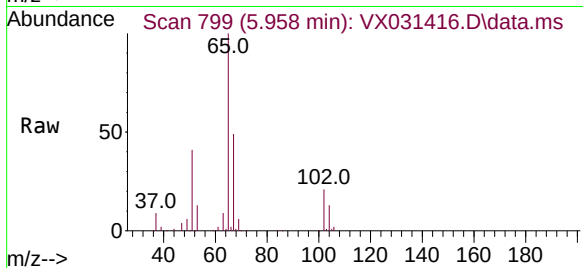
EFF-0907

Tgt Ion: 65 Resp: 85001

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX031416.D

Acq: 16 Sep 2022 17:36

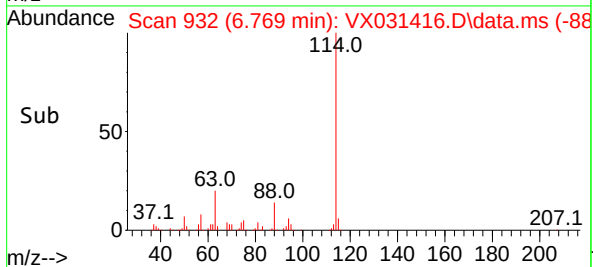
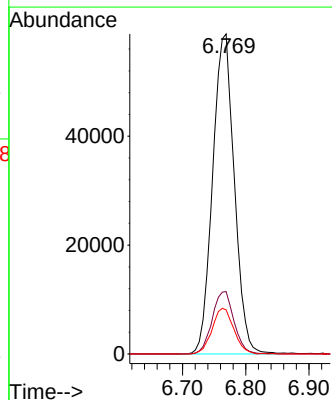
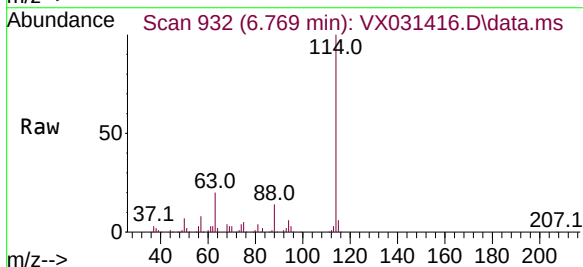
Tgt Ion: 114 Resp: 139882

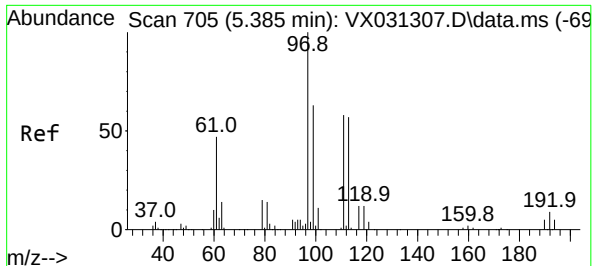
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

88 13.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.192 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031416.D

Acq: 16 Sep 2022 17:36

Instrument :

MSVOA_X

ClientSampleId :

EFF-0907

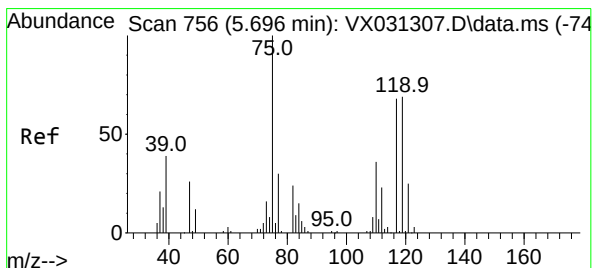
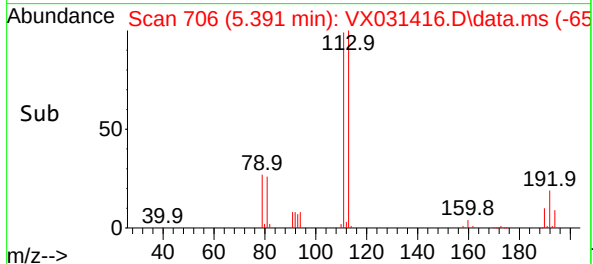
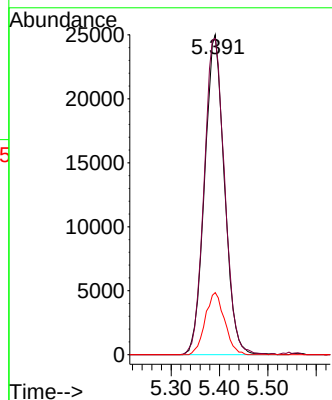
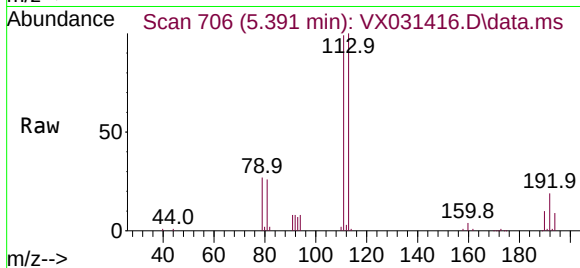
Tgt Ion:113 Resp: 70960

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

192 19.0 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.306 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX031416.D

Acq: 16 Sep 2022 17:36

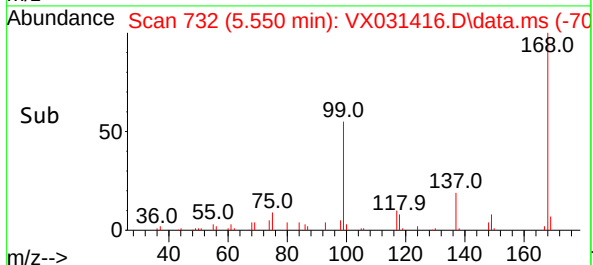
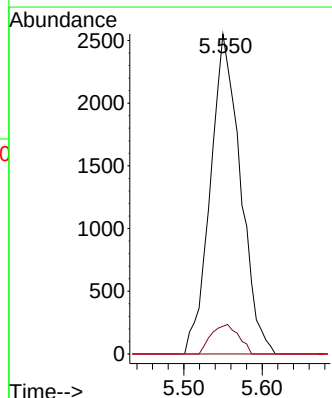
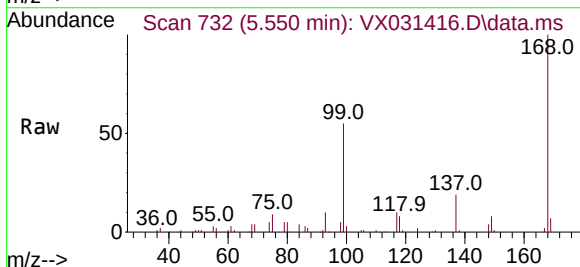
Tgt Ion: 75 Resp: 6804

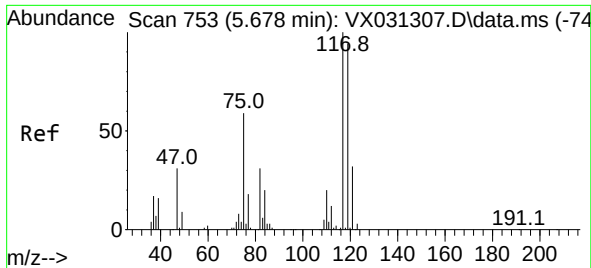
Ion Ratio Lower Upper

75 100

110 8.4 17.5 52.5#

77 0.0 24.9 37.3#

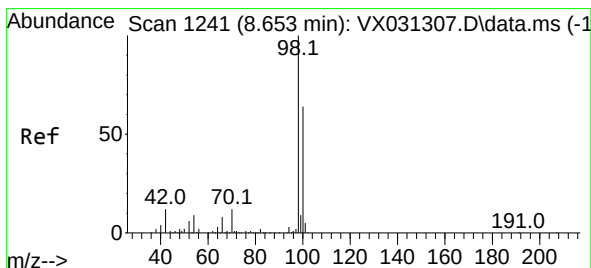
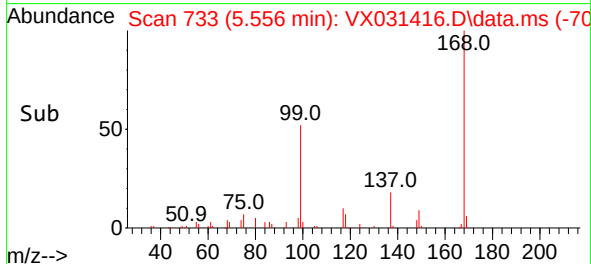
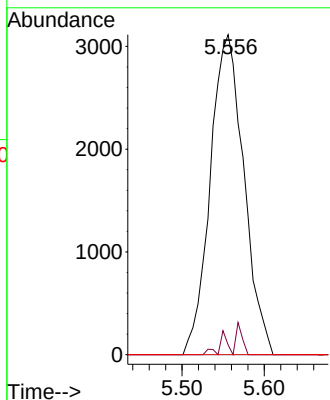
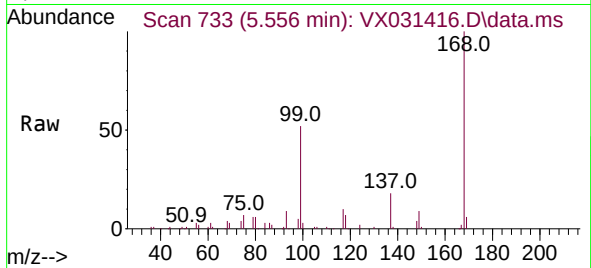




#38
Carbon Tetrachloride
Concen: 3.954 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031416.D
Acq: 16 Sep 2022 17:36

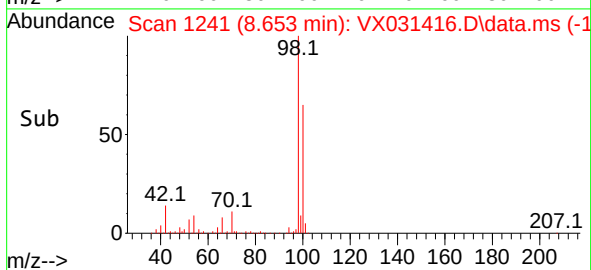
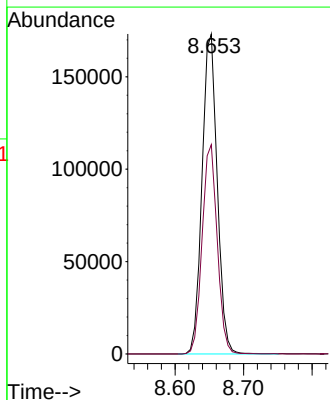
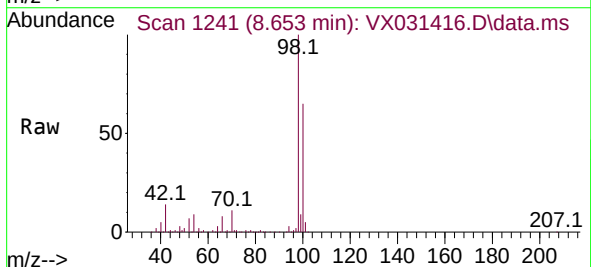
Instrument :
MSVOA_X
ClientSampleId :
EFF-0907

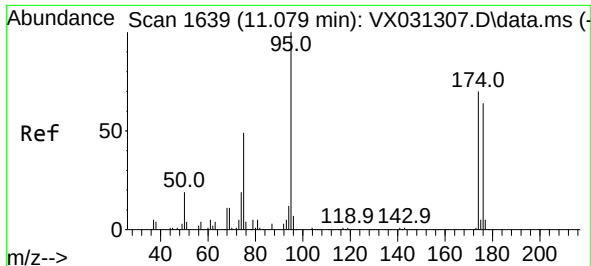
Tgt Ion:117 Resp: 8845
Ion Ratio Lower Upper
117 100
119 3.1 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 47.399 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX031416.D
Acq: 16 Sep 2022 17:36

Tgt Ion: 98 Resp: 267344
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7





#62

4-Bromofluorobenzene

Concen: 42.690 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031416.D

Acq: 16 Sep 2022 17:36

Instrument :

MSVOA_X

ClientSampleId :

EFF-0907

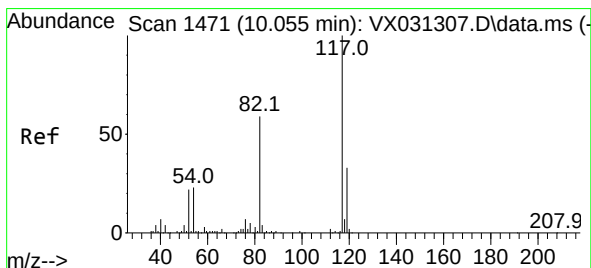
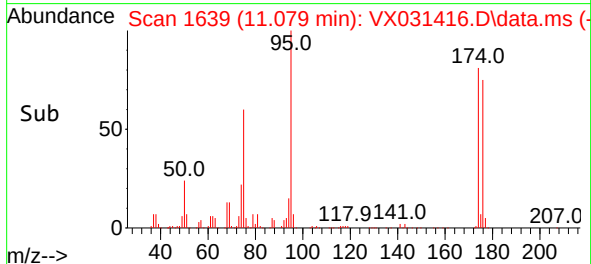
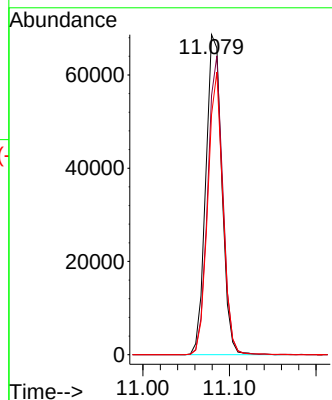
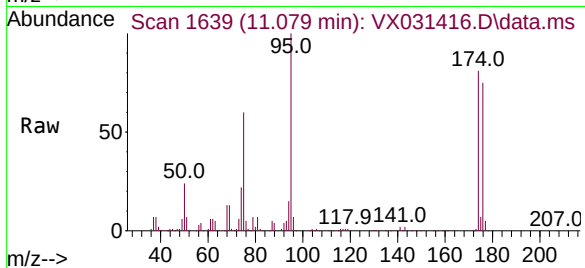
Tgt Ion: 95 Resp: 88174

Ion Ratio Lower Upper

95 100

174 88.7 0.0 153.2

176 83.8 0.0 144.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX031416.D

Acq: 16 Sep 2022 17:36

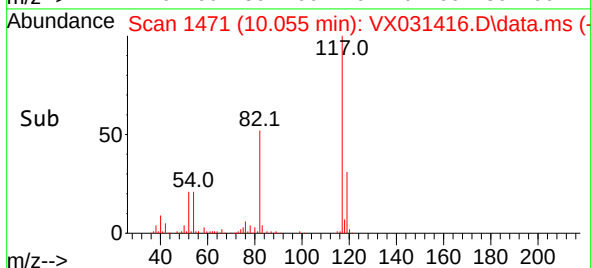
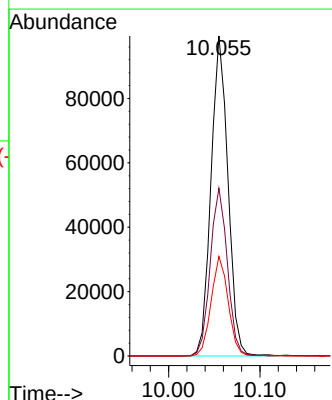
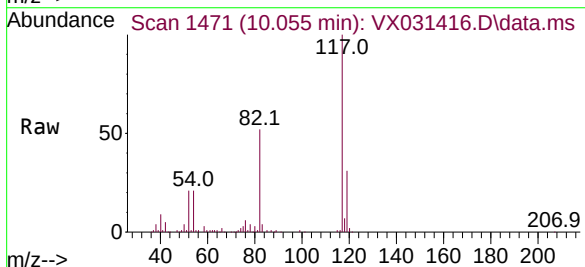
Tgt Ion: 117 Resp: 127770

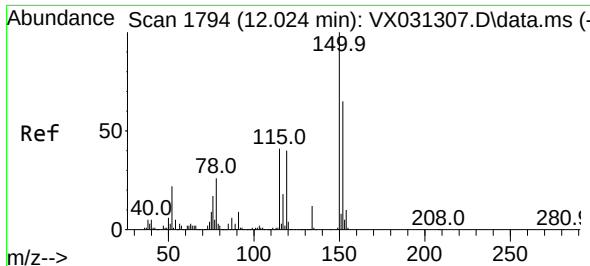
Ion Ratio Lower Upper

117 100

82 52.4 46.8 70.2

119 31.1 26.4 39.6

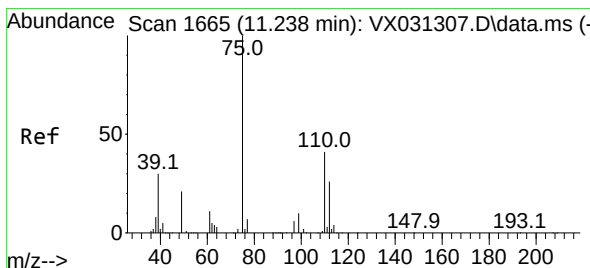
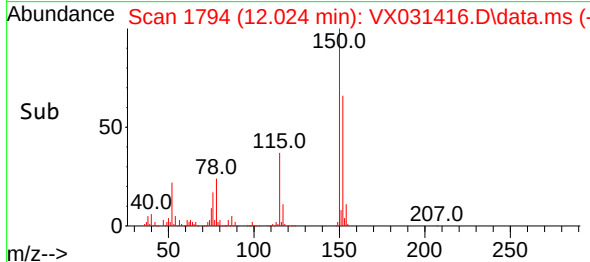
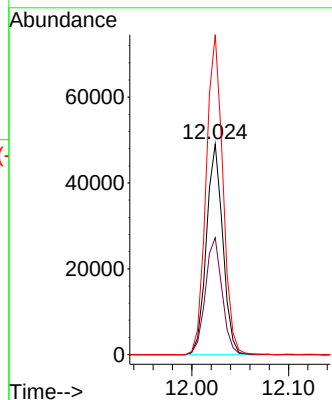
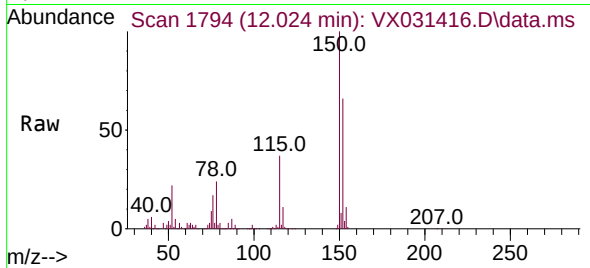




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031416.D
 Acq: 16 Sep 2022 17:36

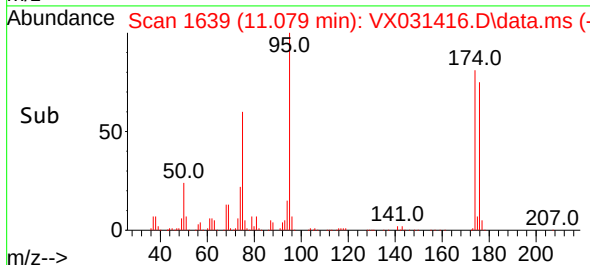
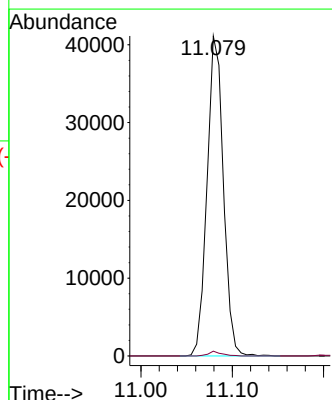
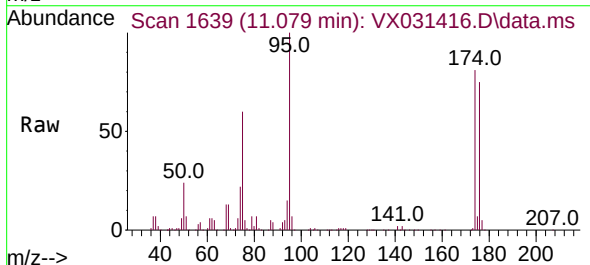
Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-0907

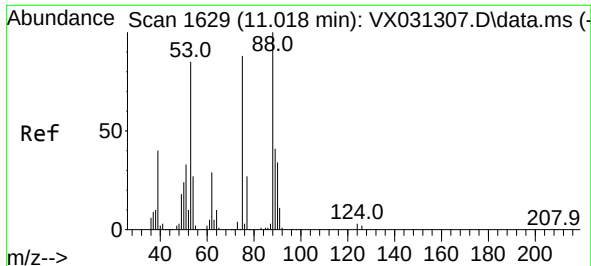
Tgt Ion:152 Resp: 57913
 Ion Ratio Lower Upper
 152 100
 115 56.9 43.4 130.1
 150 155.1 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 34.869 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX031416.D
 Acq: 16 Sep 2022 17:36

Tgt Ion: 75 Resp: 50888
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.3 60.9#

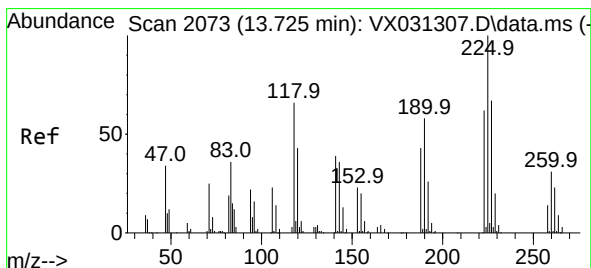
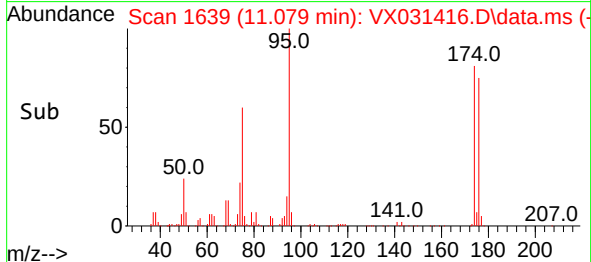
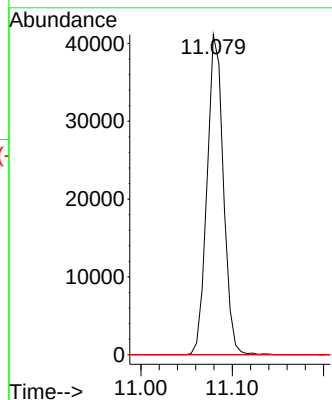
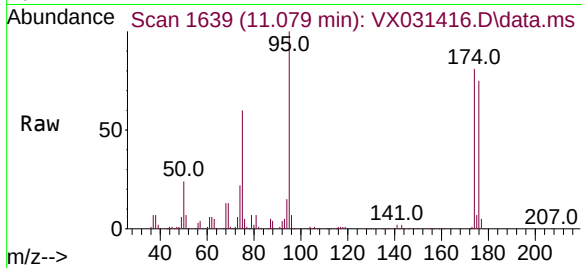




#81
trans-1,4-Dichloro-2-butene
Concen: 96.483 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX031416.D
Acq: 16 Sep 2022 17:36

Instrument :
MSVOA_X
ClientSampleId :
EFF-0907

Tgt Ion: 75 Resp: 50888
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#94
Hexachlorobutadiene
Concen: 0.455 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX031416.D
Acq: 16 Sep 2022 17:36

Tgt Ion: 225 Resp: 182
Ion Ratio Lower Upper
225 100
223 25.3 30.8 92.4#
227 28.0 32.3 96.9#

