

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034571.D
 Acq On : 17 Mar 2023 07:59
 Operator : JC/MD
 Sample : 01907-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33959

Quant Time: Mar 17 08:34:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

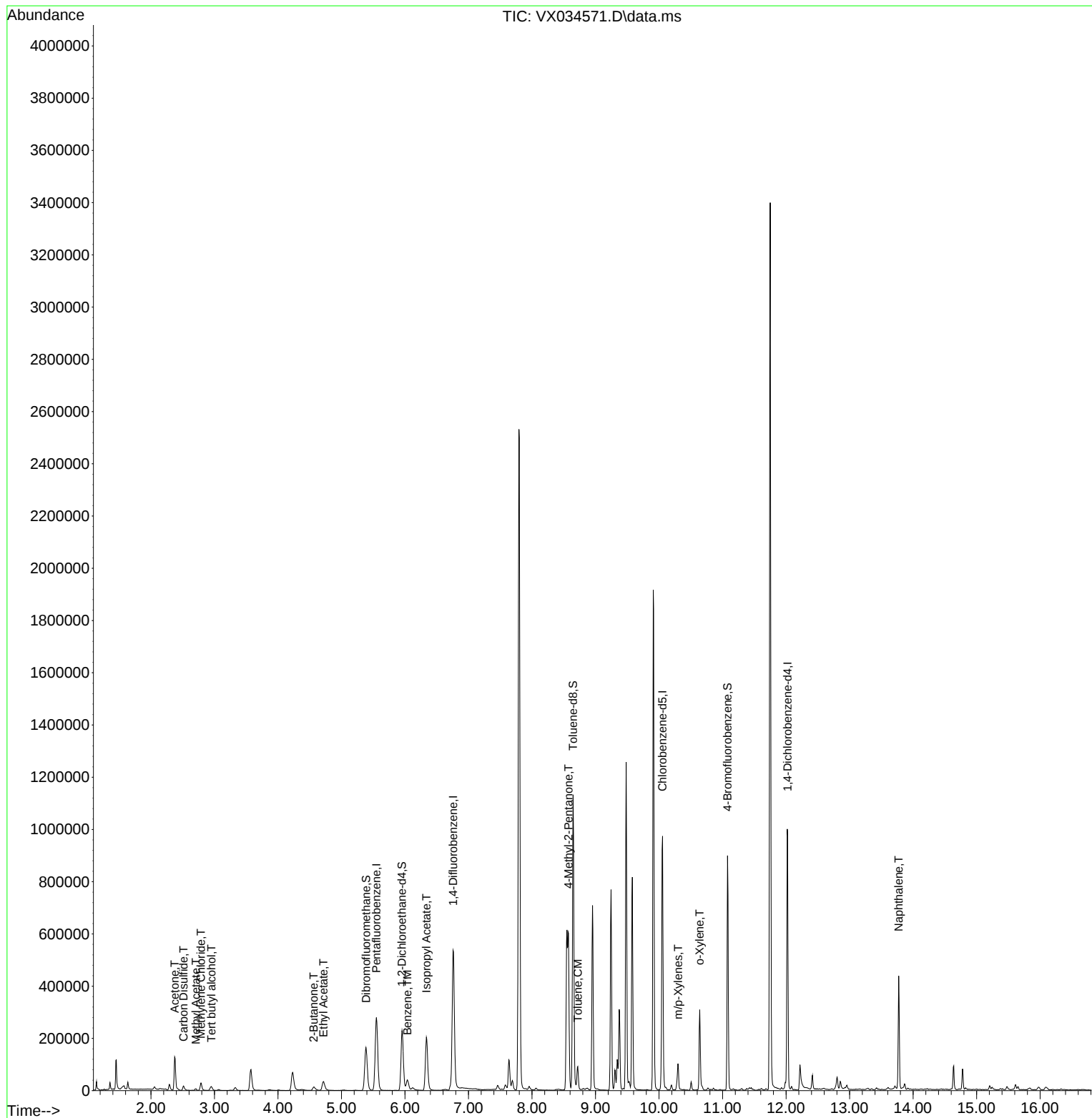
Internal Standards						
1) Pentafluorobenzene	5.550	168	261696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	521941	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	418382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	198901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	229335	60.238	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 120.480%#	
35) Dibromofluoromethane	5.385	113	143318	41.588	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 83.180%	
50) Toluene-d8	8.647	98	633647	49.255	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.520%	
62) 4-Bromofluorobenzene	11.079	95	225337	43.365	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 86.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	13296	16.771	ug/l #	93
16) Acetone	2.374	43	135292	75.441	ug/l	99
17) Carbon Disulfide	2.514	76	18359	2.277	ug/l	98
18) Methyl Acetate	2.709	43	7822	1.335	ug/l	99
20) Methylene Chloride	2.788	84	13081	3.758	ug/l	98
25) 2-Butanone	4.562	43	21968	8.561	ug/l	100
37) Ethyl Acetate	4.715	43	61360	10.611	ug/l	97
40) Benzene	6.038	78	47095	3.042	ug/l	99
43) Isopropyl Acetate	6.336	43	284413	29.034	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	540581	95.128	ug/l #	79
52) Toluene	8.720	92	31897	3.327	ug/l	99
68) m/p-Xylenes	10.299	106	21332	3.379	ug/l	97
69) o-Xylene	10.640	106	30371	4.794	ug/l	99
95) Naphthalene	13.774	128	249756	17.054	ug/l	99

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

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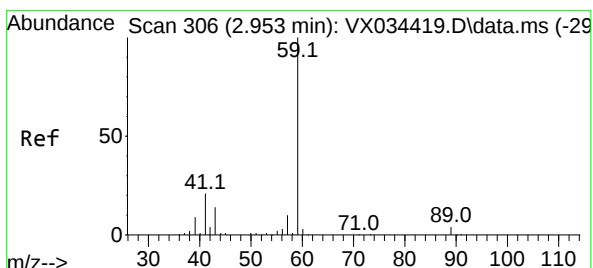
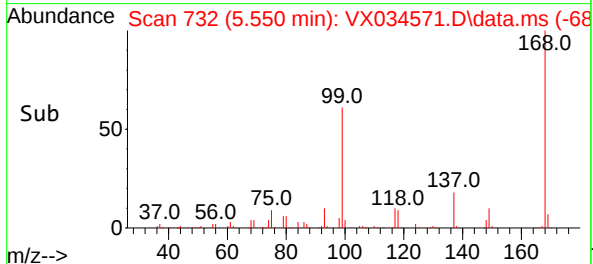
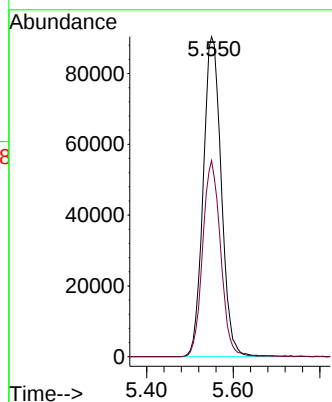
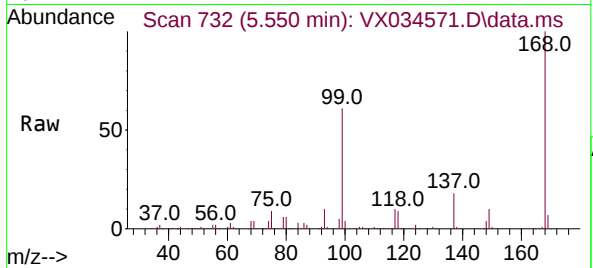




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

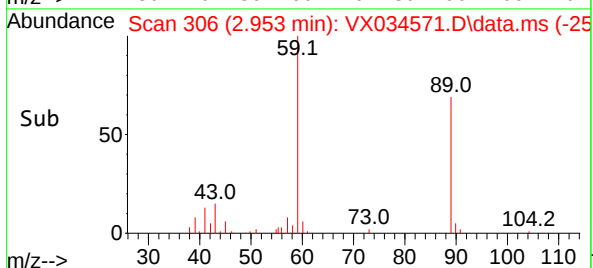
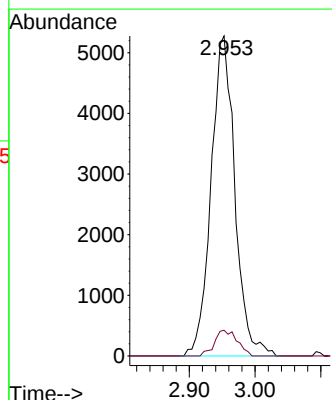
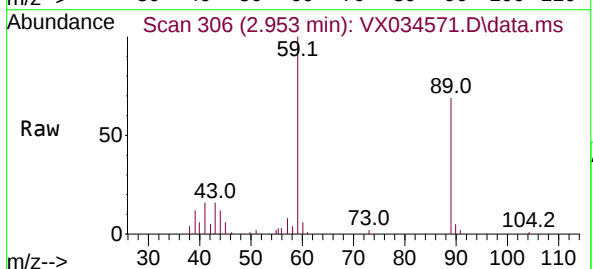
Instrument :
MSVOA_X
ClientSampleId :
33959

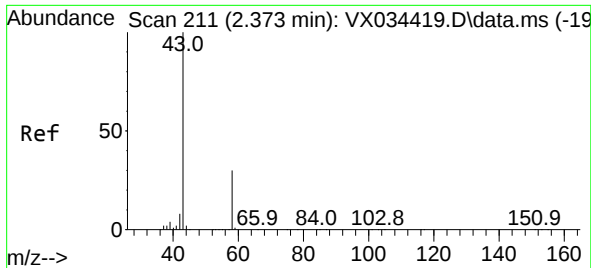
Tgt Ion:168 Resp: 261696
Ion Ratio Lower Upper
168 100
99 61.3 45.7 68.5



#11
Tert butyl alcohol
Concen: 16.771 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

Tgt Ion: 59 Resp: 13296
Ion Ratio Lower Upper
59 100
57 7.7 8.1 12.1#

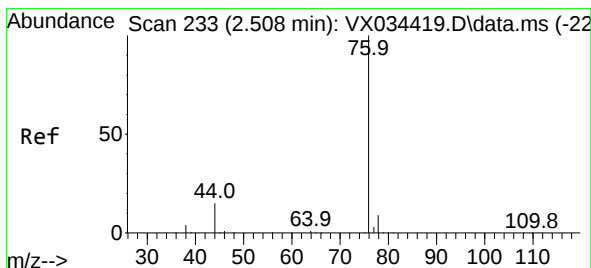
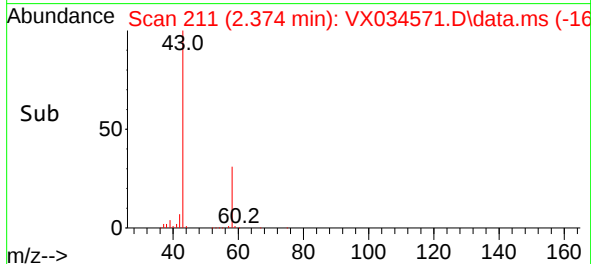
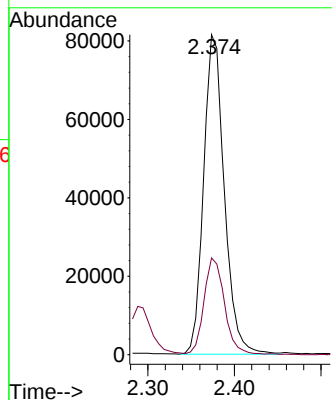
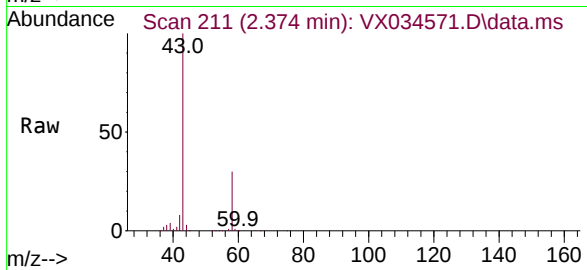




#16
Acetone
Concen: 75.441 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

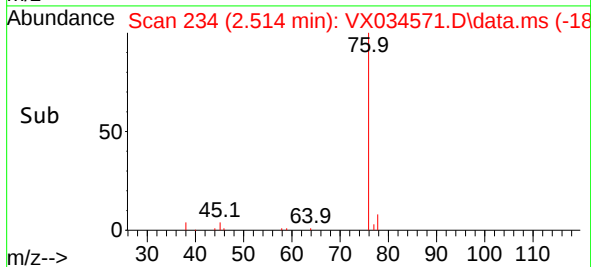
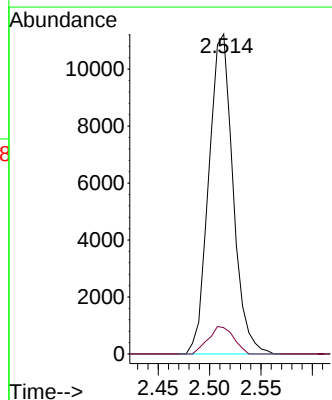
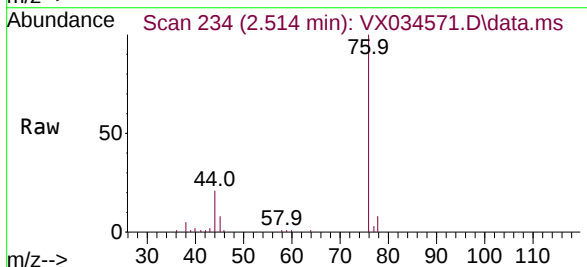
Instrument :
MSVOA_X
ClientSampleId :
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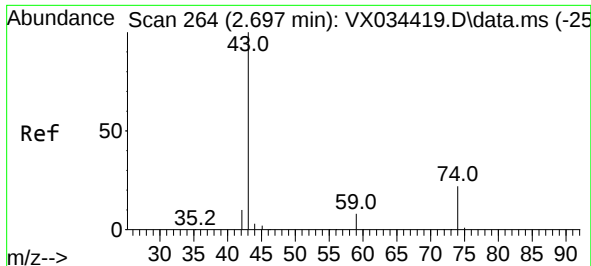
Tgt Ion: 43 Resp: 135292
Ion Ratio Lower Upper
43 100
58 30.2 24.7 37.1



#17
Carbon Disulfide
Concen: 2.277 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

Tgt Ion: 76 Resp: 18359
Ion Ratio Lower Upper
76 100
78 8.2 7.2 10.8

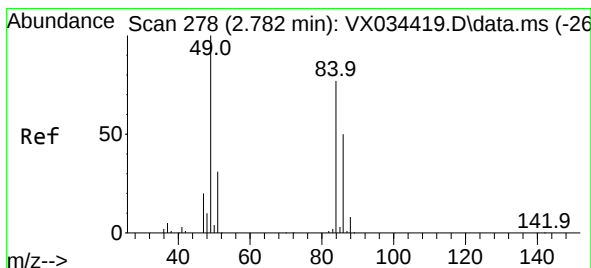
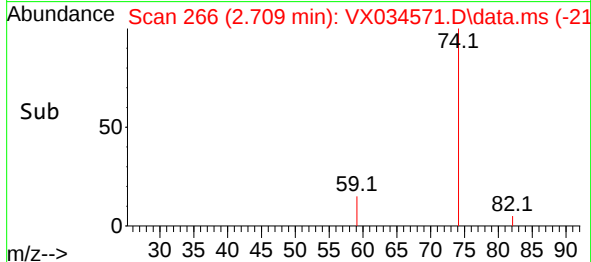
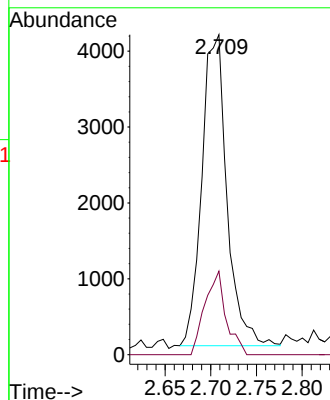
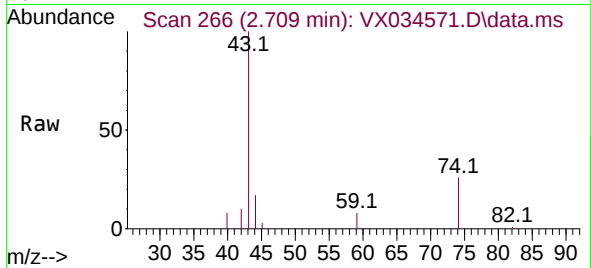




#18
Methyl Acetate
Concen: 1.335 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

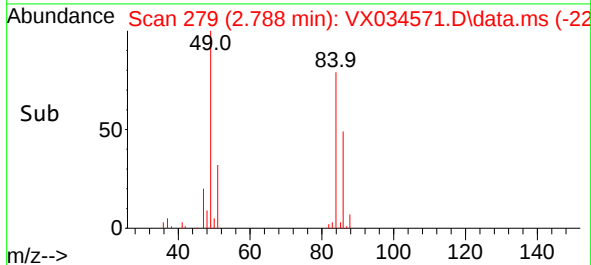
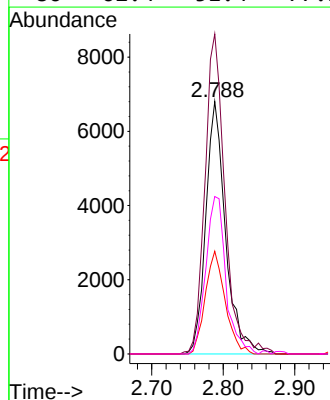
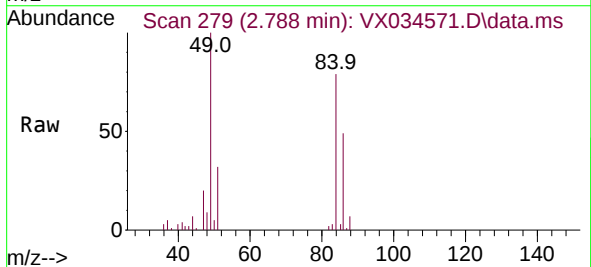
Instrument :
MSVOA_X
ClientSampleId :
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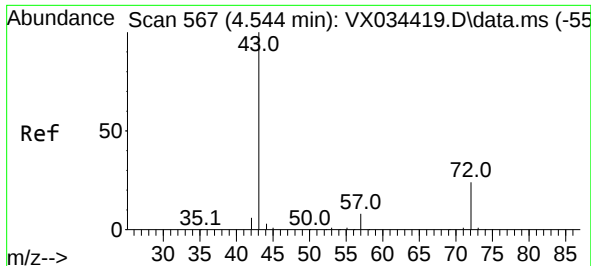
Tgt Ion: 43 Resp: 7822
Ion Ratio Lower Upper
43 100
74 22.5 18.3 27.5



#20
Methylene Chloride
Concen: 3.758 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

Tgt Ion: 84 Resp: 13081
Ion Ratio Lower Upper
84 100
49 126.8 103.8 155.8
51 40.7 31.8 47.8
86 62.4 51.4 77.2

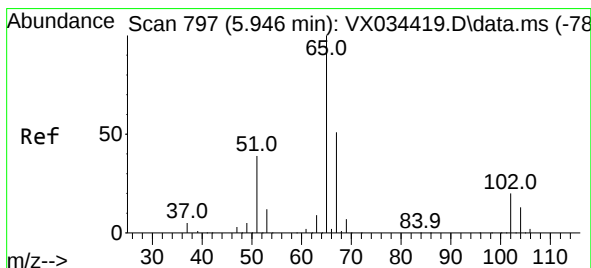
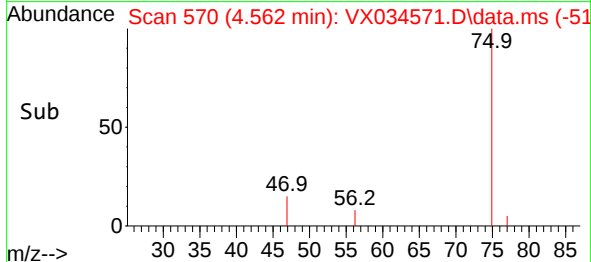
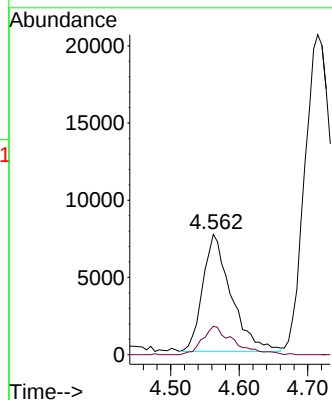
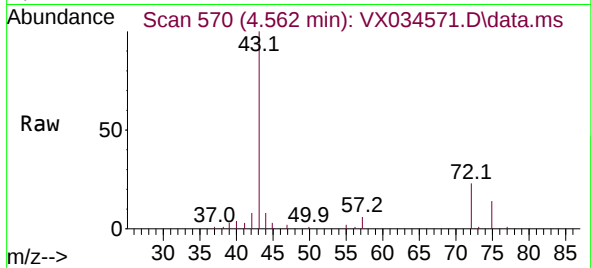




#25
2-Butanone
Concen: 8.561 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

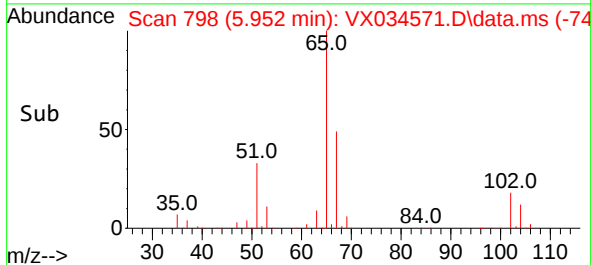
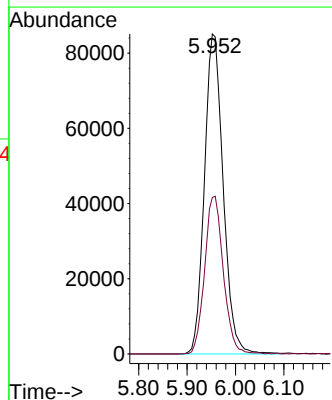
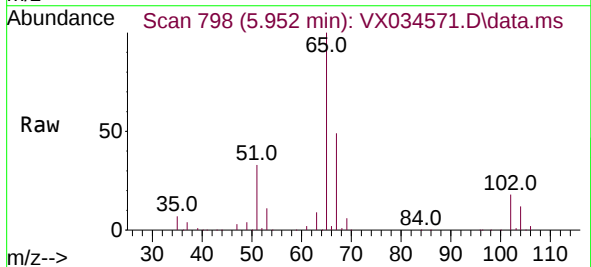
Instrument :
MSVOA_X
ClientSampleId :
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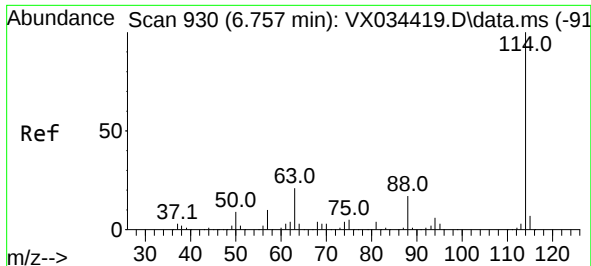
Tgt Ion: 43 Resp: 21968
Ion Ratio Lower Upper
43 100
72 24.1 19.3 28.9



#33
1,2-Dichloroethane-d4
Concen: 60.238 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

Tgt Ion: 65 Resp: 229335
Ion Ratio Lower Upper
65 100
67 49.1 0.0 104.0

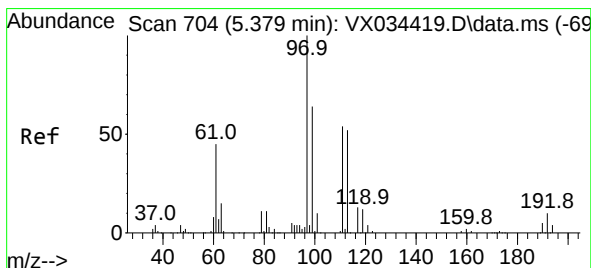
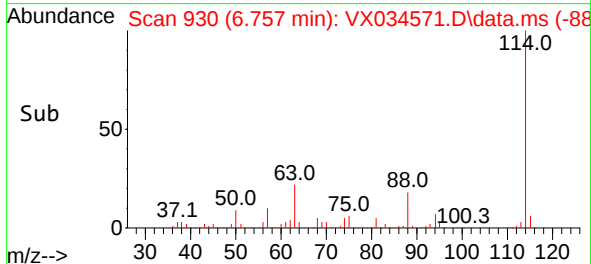
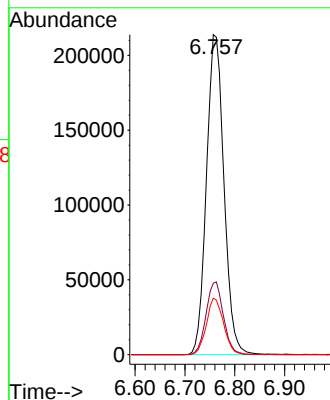
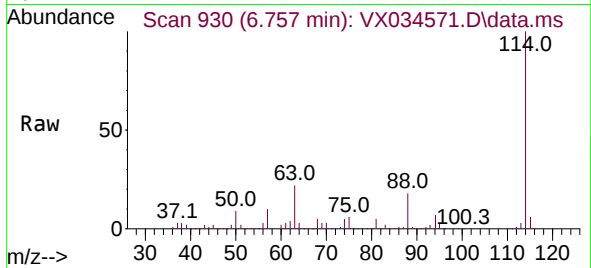




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

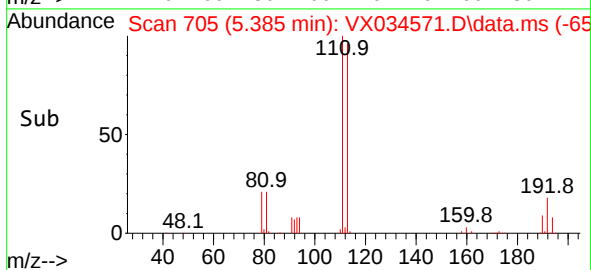
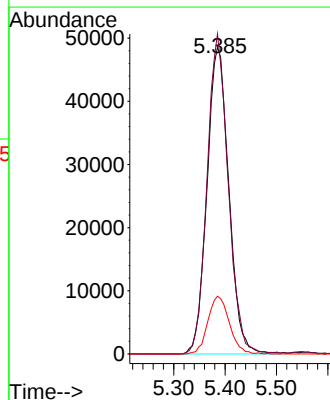
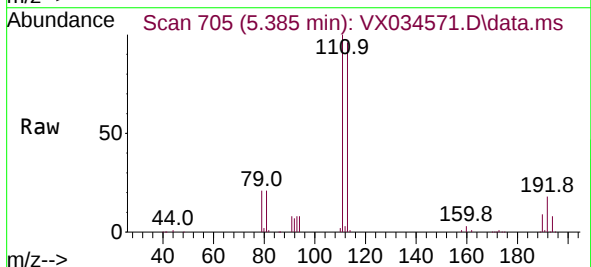
Instrument :
MSVOA_X
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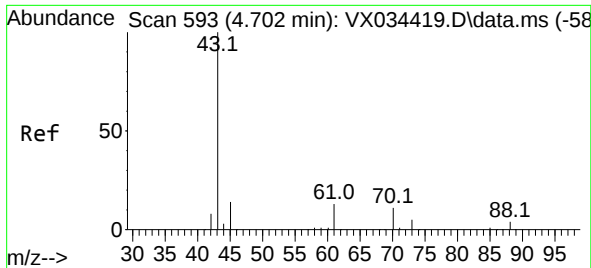
Tgt Ion:114 Resp: 521941
Ion Ratio Lower Upper
114 100
63 22.4 0.0 42.2
88 17.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 41.588 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

Tgt Ion:113 Resp: 143318
Ion Ratio Lower Upper
113 100
111 101.2 83.7 125.5
192 18.5 15.4 23.2

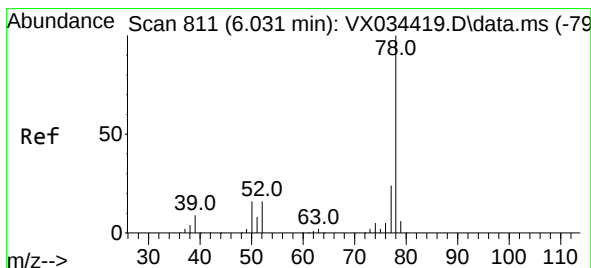
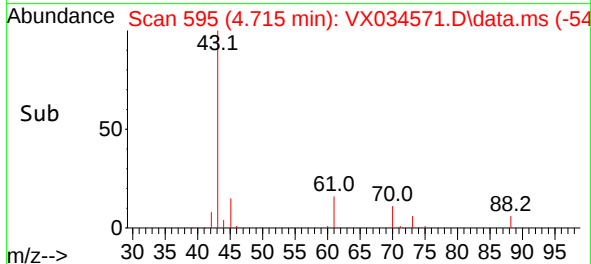
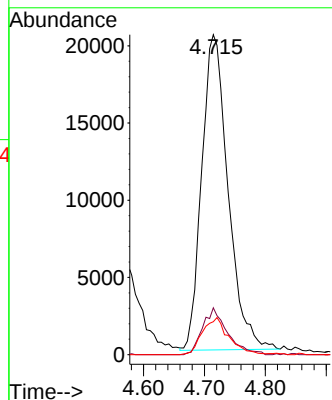
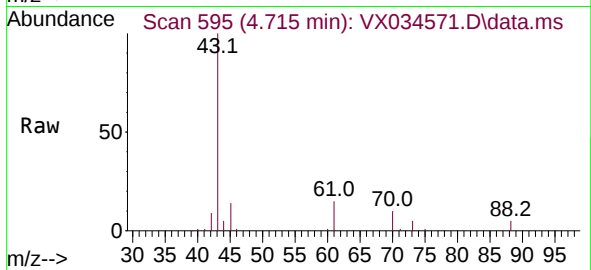




#37
Ethyl Acetate
Concen: 10.611 ug/l
RT: 4.715 min Scan# 594
Delta R.T. 0.012 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

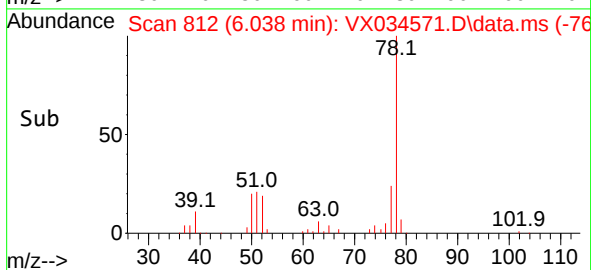
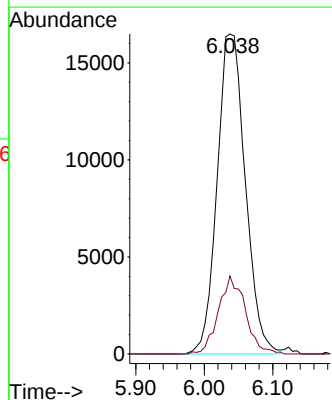
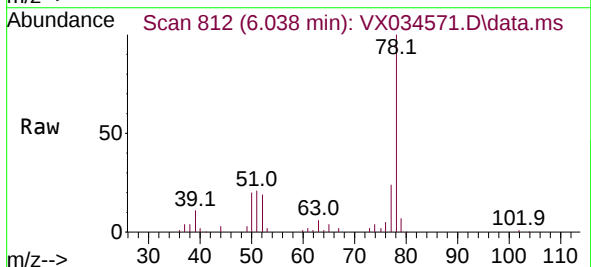
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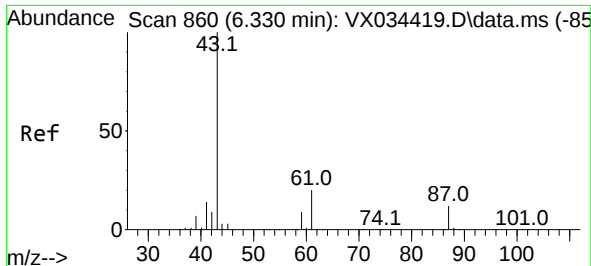
Tgt Ion: 43 Resp: 61360
Ion Ratio Lower Upper
43 100
61 14.0 10.2 15.4
70 11.8 8.2 12.4



#40
Benzene
Concen: 3.042 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

Tgt Ion: 78 Resp: 47095
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4

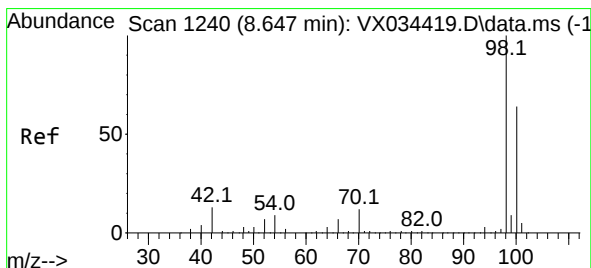
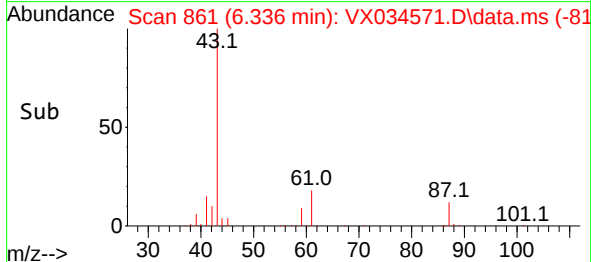
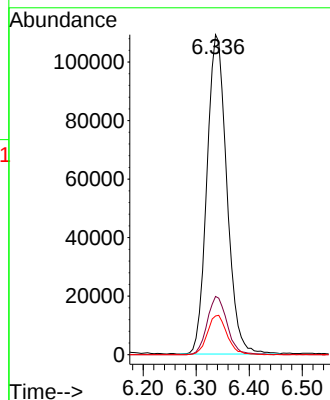
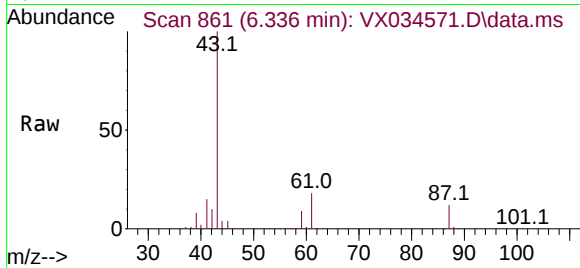




#43
Isopropyl Acetate
Concen: 29.034 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

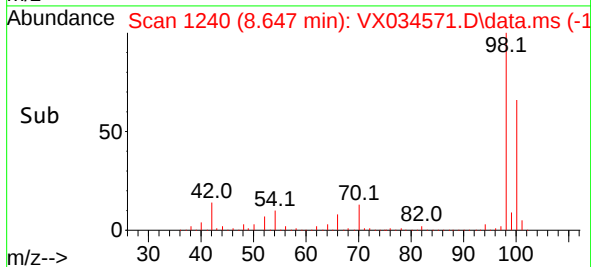
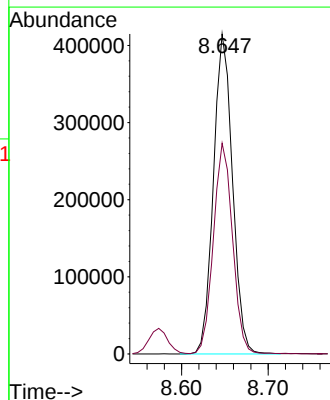
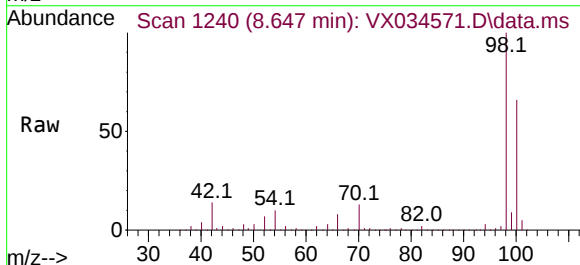
Instrument :
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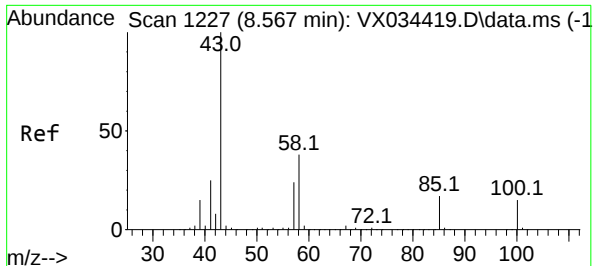
Tgt Ion: 43 Resp: 284413
Ion Ratio Lower Upper
43 100
61 18.3 15.2 22.8
87 12.2 9.8 14.8



#50
Toluene-d8
Concen: 49.255 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

Tgt Ion: 98 Resp: 633647
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 95.128 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX034571.D

Acq: 17 Mar 2023 07:59

Instrument :

MSVOA_X

ClientSampleId :

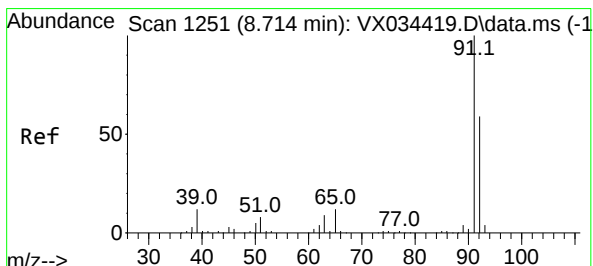
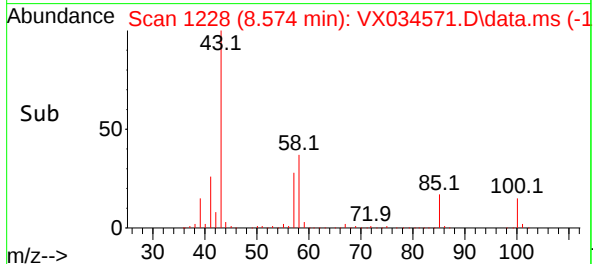
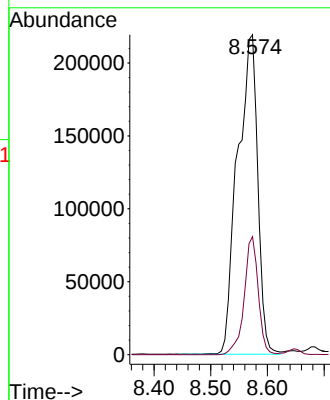
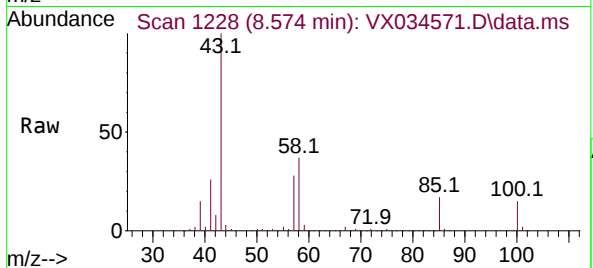
33959

Tgt Ion: 43 Resp: 540581

Ion Ratio Lower Upper

43 100

58 25.8 30.6 46.0#



#52

Toluene

Concen: 3.327 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX034571.D

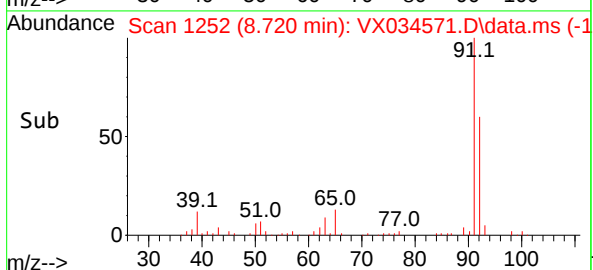
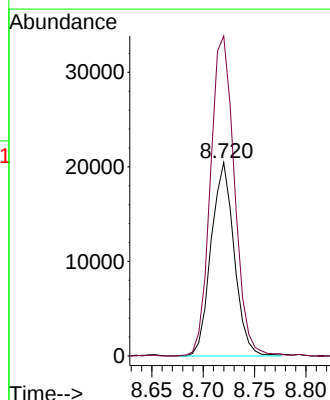
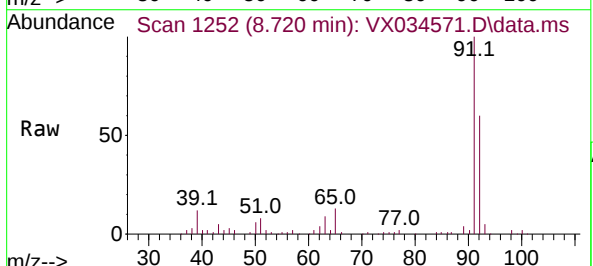
Acq: 17 Mar 2023 07:59

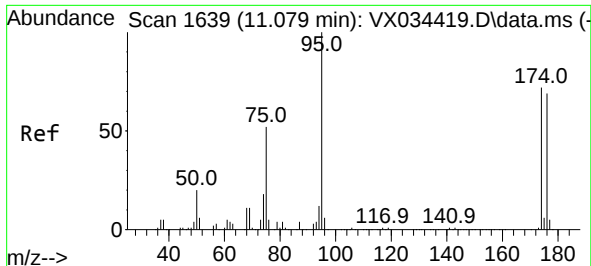
Tgt Ion: 92 Resp: 31897

Ion Ratio Lower Upper

92 100

91 172.7 136.8 205.2

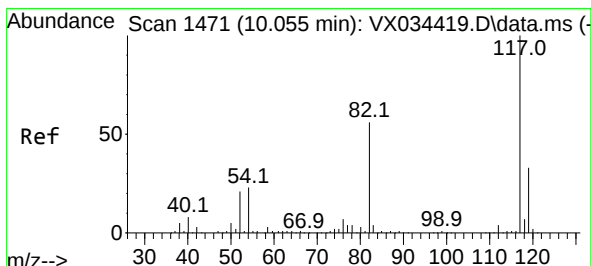
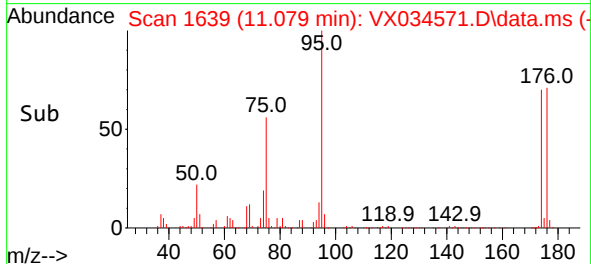
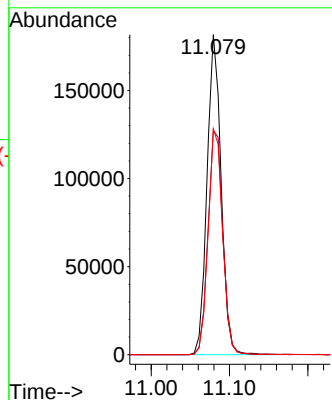
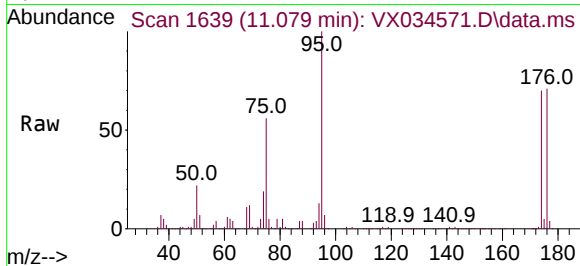




#62
4-Bromofluorobenzene
Concen: 43.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

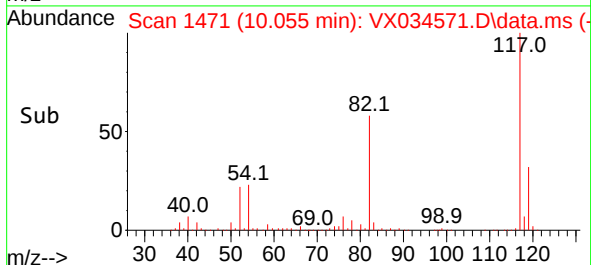
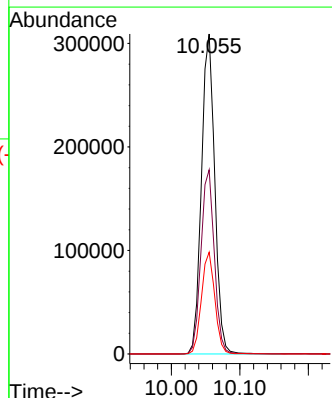
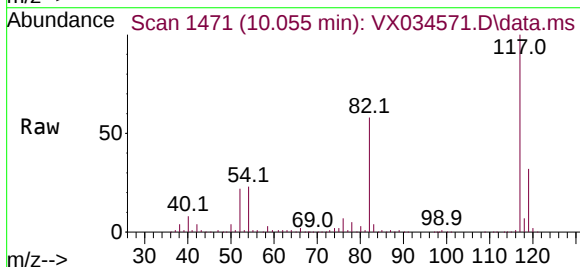
Instrument :
MSVOA_X
ClientSampleId :
33959

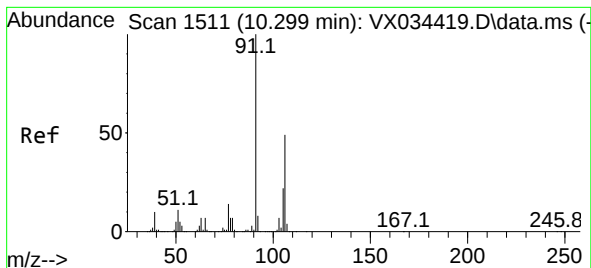
Tgt Ion: 95 Resp: 225337
Ion Ratio Lower Upper
95 100
174 74.2 0.0 147.4
176 72.5 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034571.D
Acq: 17 Mar 2023 07:59

Tgt Ion: 117 Resp: 418382
Ion Ratio Lower Upper
117 100
82 57.6 45.0 67.4
119 31.8 26.0 39.0





#68

m/p-Xylenes

Concen: 3.379 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX034571.D

Acq: 17 Mar 2023 07:59

Instrument :

MSVOA_X

ClientSampleId :

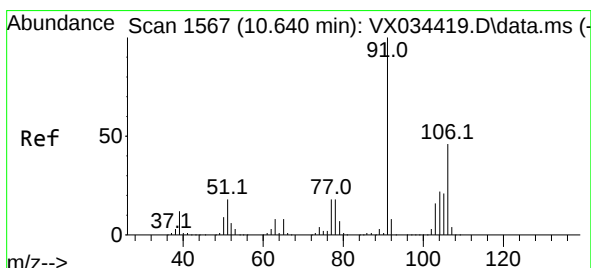
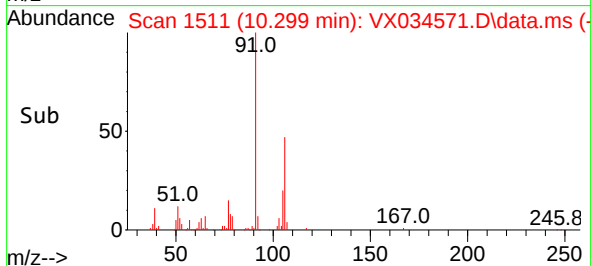
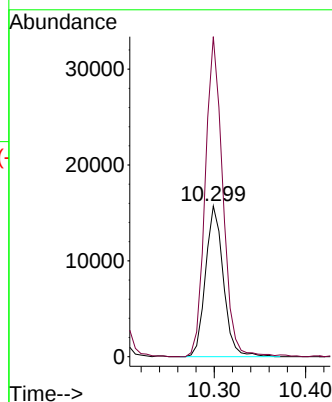
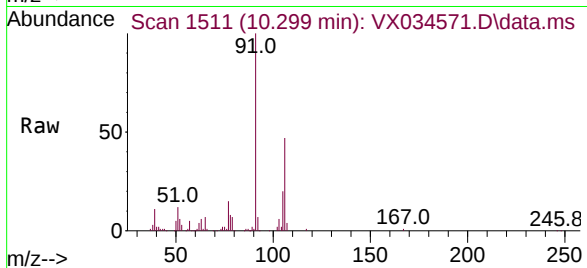
33959

Tgt Ion:106 Resp: 21332

Ion Ratio Lower Upper

106 100

91 209.2 164.0 246.0



#69

o-Xylene

Concen: 4.794 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX034571.D

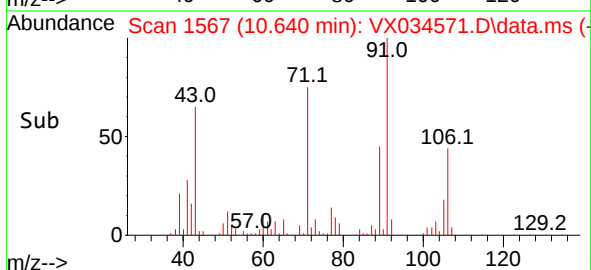
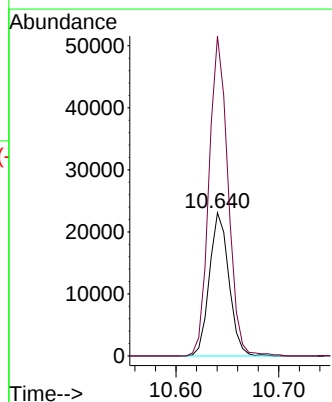
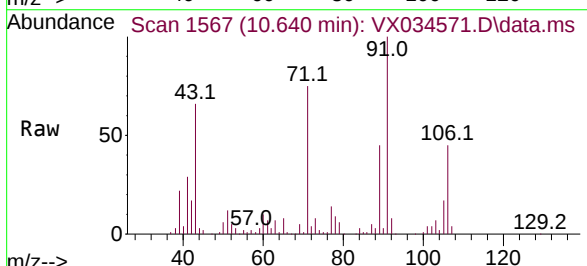
Acq: 17 Mar 2023 07:59

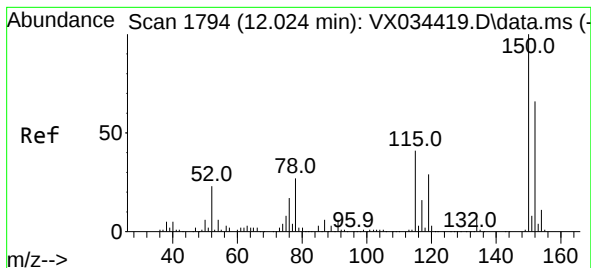
Tgt Ion:106 Resp: 30371

Ion Ratio Lower Upper

106 100

91 218.4 108.5 325.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034571.D

Acq: 17 Mar 2023 07:59

Instrument :

MSVOA_X

ClientSampleId :

33959

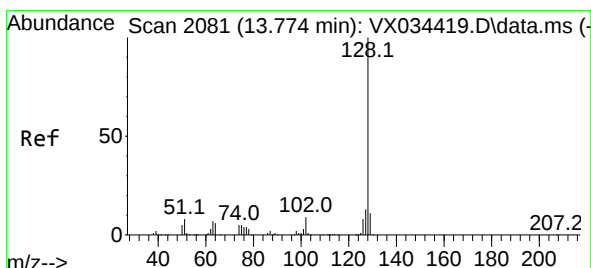
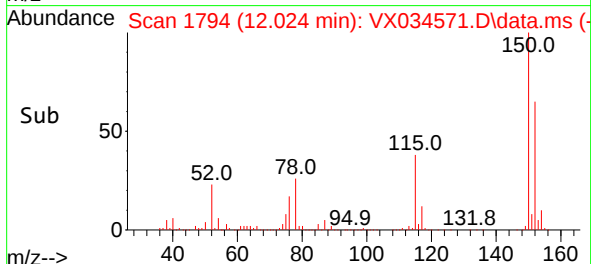
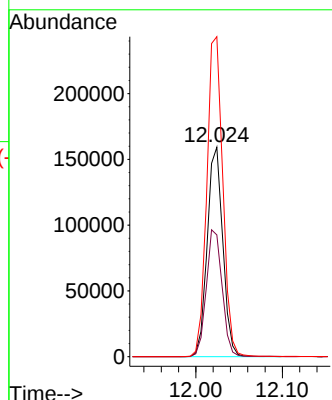
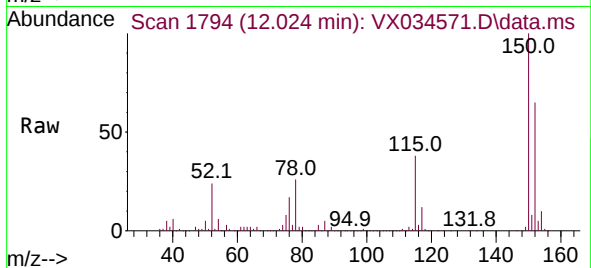
Tgt Ion:152 Resp: 198901

Ion Ratio Lower Upper

152 100

115 61.4 45.0 135.0

150 156.9 0.0 352.4



#95

Naphthalene

Concen: 17.054 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX034571.D

Acq: 17 Mar 2023 07:59

Tgt Ion:128 Resp: 249756

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.2 8.6 13.0

