

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030623\
 Data File : VX034355.D
 Acq On : 06 Mar 2023 17:22
 Operator : JC/MD
 Sample : 01816-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31957

Quant Time: Mar 07 00:41:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

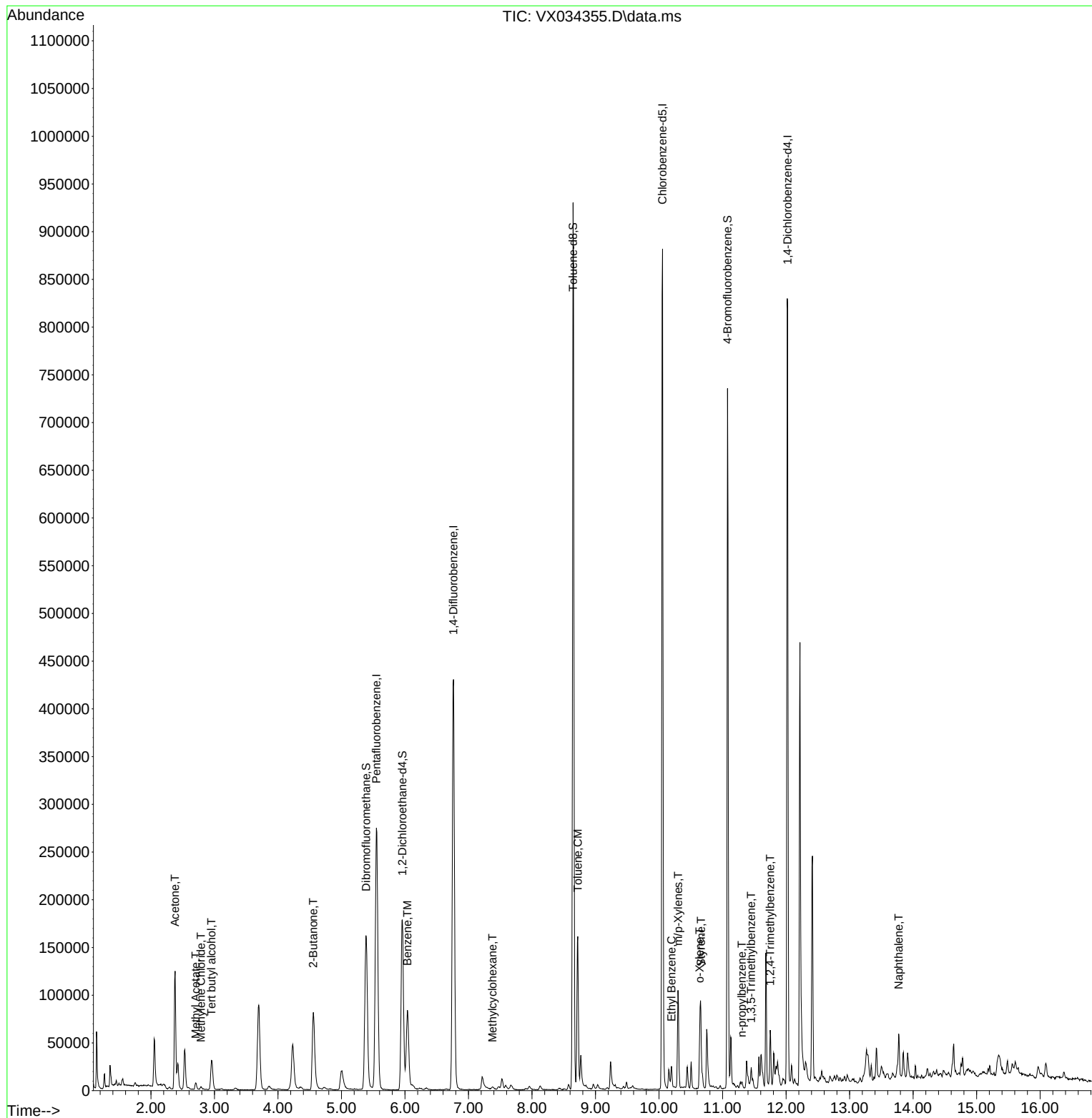
Internal Standards						
1) Pentafluorobenzene	5.550	168	268630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	447415	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	395707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	175093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	168113	46.468	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	92.940%	
35) Dibromofluoromethane	5.385	113	142245	48.829	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	97.660%	
50) Toluene-d8	8.647	98	540972	51.723	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	103.440%	
62) 4-Bromofluorobenzene	11.079	95	186348	46.580	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	93.160%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	34729	42.919	ug/l #	85
16) Acetone	2.380	43	128767	68.998	ug/l	92
18) Methyl Acetate	2.703	43	8774	1.519	ug/l	100
20) Methylene Chloride	2.788	84	961	0.286	ug/l #	73
25) 2-Butanone	4.556	43	147859	54.757	ug/l	100
39) Methylcyclohexane	7.379	83	1183	0.213	ug/l #	76
40) Benzene	6.038	78	99407	7.786	ug/l	98
52) Toluene	8.720	92	62185	8.038	ug/l	100
67) Ethyl Benzene	10.195	91	12855	0.867	ug/l	96
68) m/p-Xylenes	10.299	106	24550	4.329	ug/l	98
69) o-Xylene	10.640	106	11013	1.951	ug/l	94
70) Styrene	10.659	104	31577	3.439	ug/l	99
78) n-propylbenzene	11.305	91	4229	0.272	ug/l	90
80) 1,3,5-Trimethylbenzene	11.451	105	8252	0.736	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	25284	2.229	ug/l	97
95) Naphthalene	13.774	128	27350	2.146	ug/l #	96

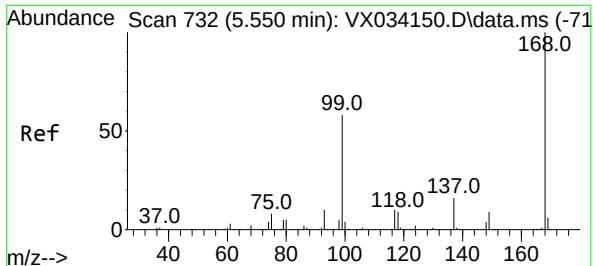
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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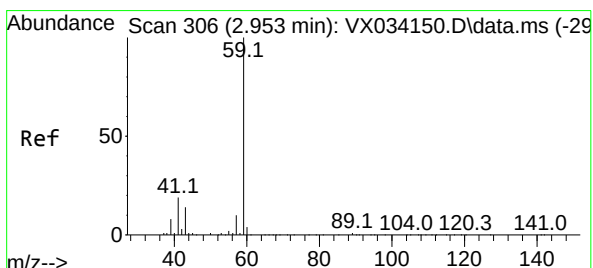
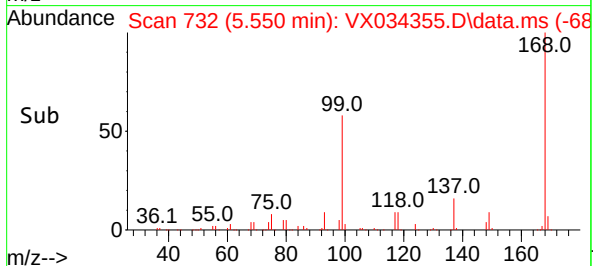
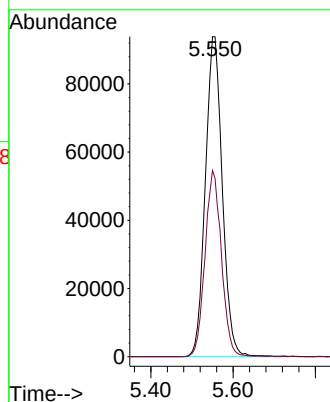
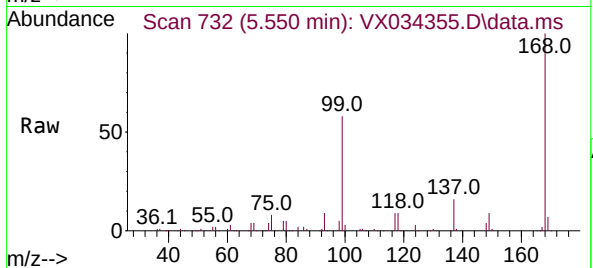




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

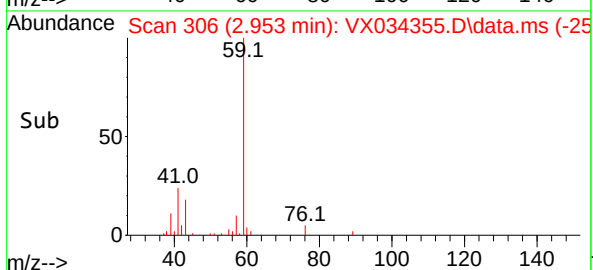
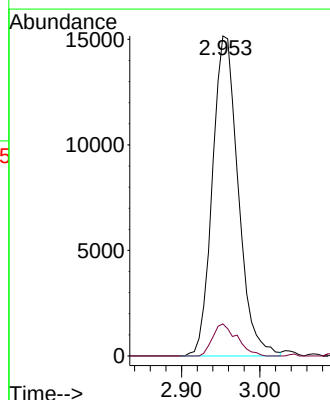
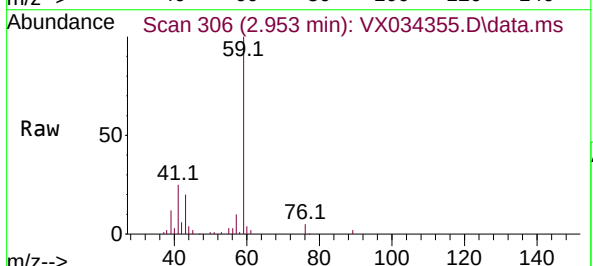
Instrument :
MSVOA_X
ClientSampleId :
31957

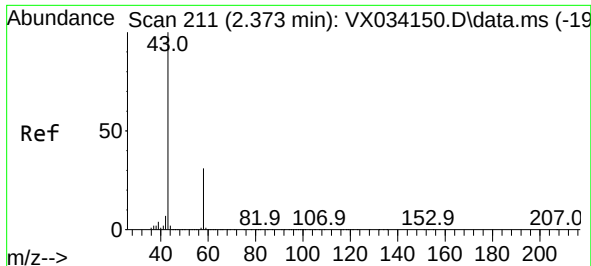
Tgt Ion:168 Resp: 268630
Ion Ratio Lower Upper
168 100
99 58.2 39.6 59.4



#11
Tert butyl alcohol
Concen: 42.919 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

Tgt Ion: 59 Resp: 34729
Ion Ratio Lower Upper
59 100
57 9.5 3.7 5.5#

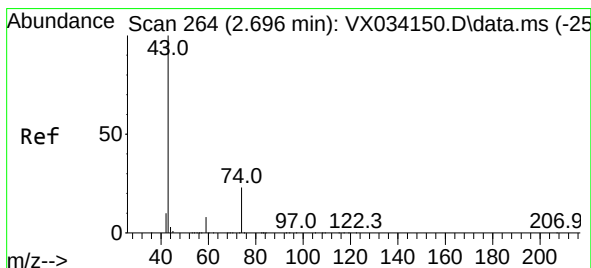
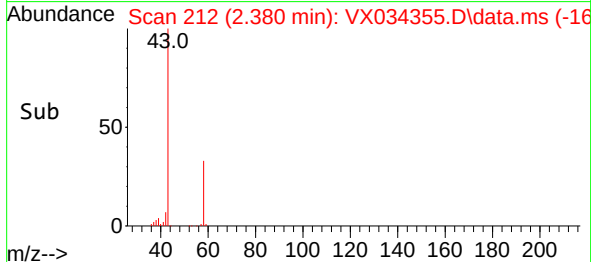
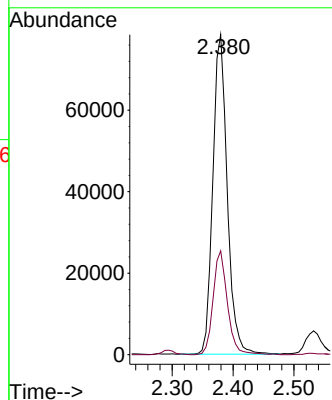
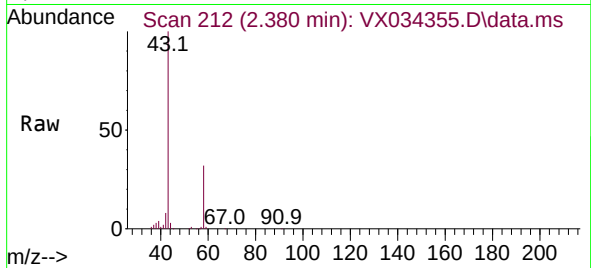




#16
Acetone
Concen: 68.998 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

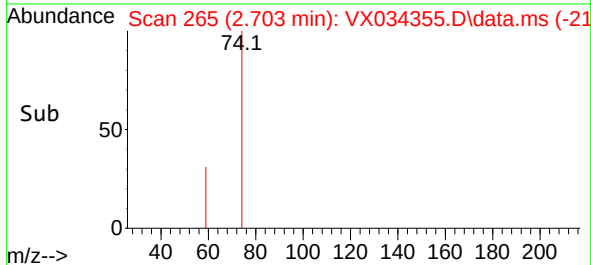
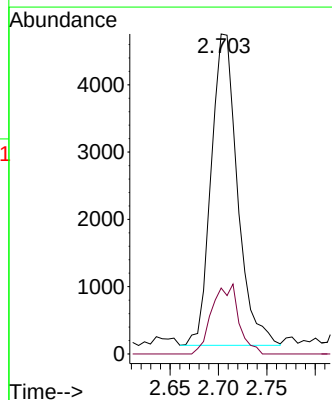
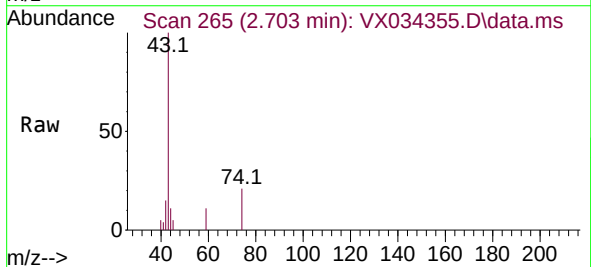
Instrument :
MSVOA_X
ClientSampleId :
31957

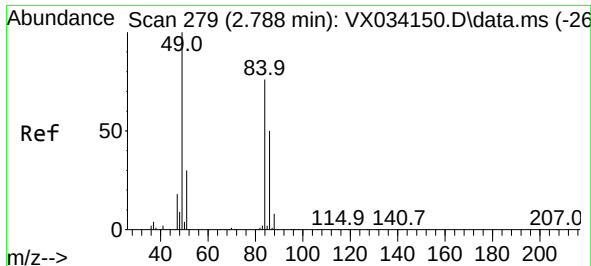
Tgt Ion: 43 Resp: 128767
Ion Ratio Lower Upper
43 100
58 32.5 22.6 33.8



#18
Methyl Acetate
Concen: 1.519 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

Tgt Ion: 43 Resp: 8774
Ion Ratio Lower Upper
43 100
74 22.6 18.2 27.4

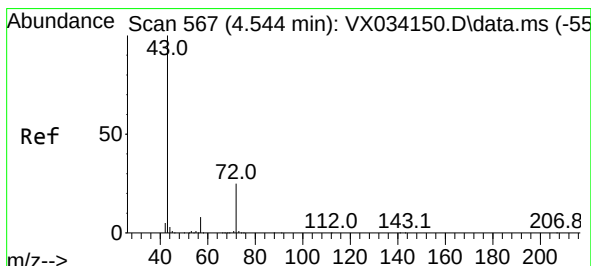
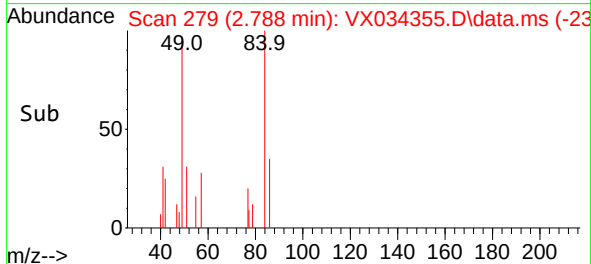
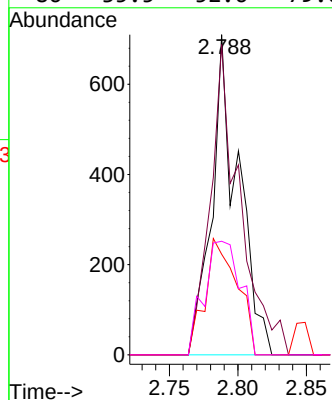
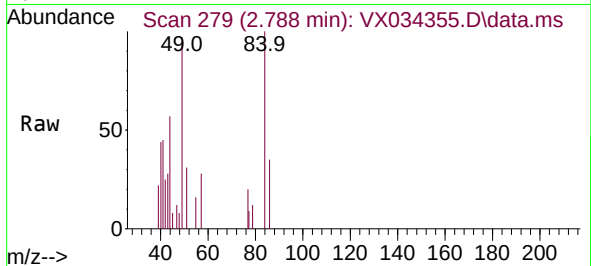




#20
Methylene Chloride
Concen: 0.286 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

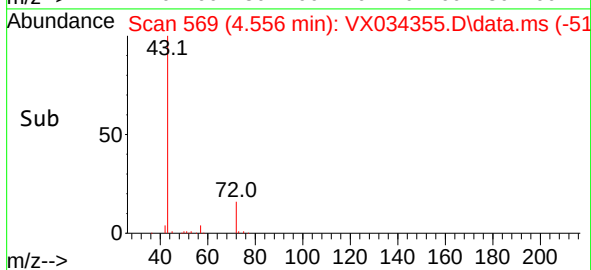
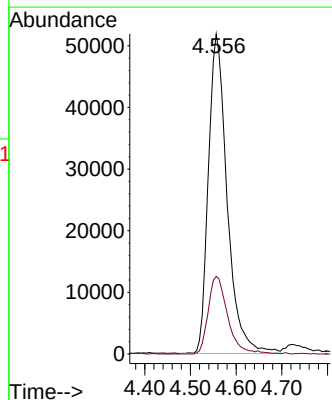
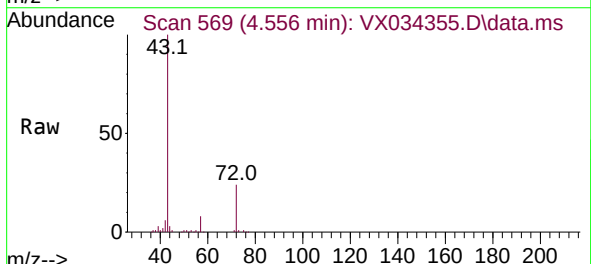
Instrument :
MSVOA_X
ClientSampleId :
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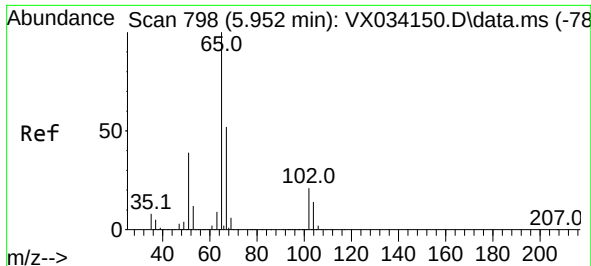
Tgt Ion:	84	Resp:	961
Ion	Ratio	Lower	Upper
84	100		
49	96.9	101.1	151.7#
51	31.4	31.0	46.6
86	35.5	52.6	79.0#



#25
2-Butanone
Concen: 54.757 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.012 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

Tgt Ion:	43	Resp:	147859
Ion	Ratio	Lower	Upper
43	100		
72	24.3	19.4	29.2





#33

1,2-Dichloroethane-d4

Concen: 46.468 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034355.D

Acq: 06 Mar 2023 17:22

Instrument :

MSVOA_X

ClientSampleId :

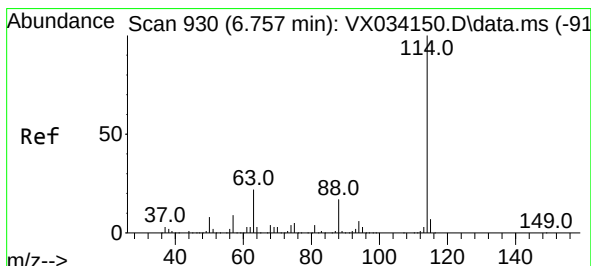
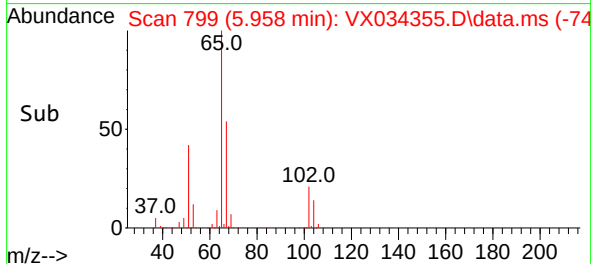
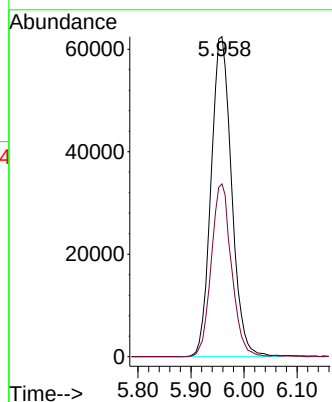
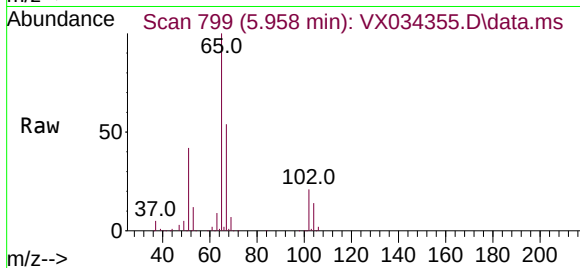
31957

Tgt Ion: 65 Resp: 168113

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034355.D

Acq: 06 Mar 2023 17:22

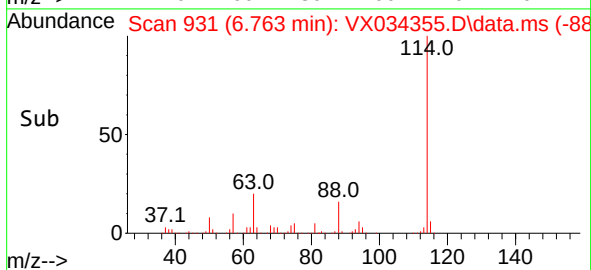
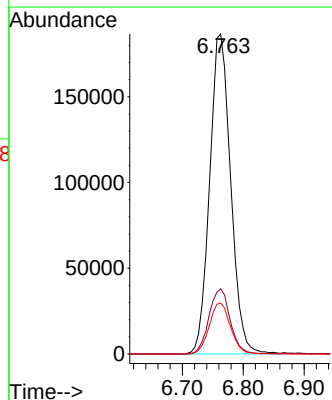
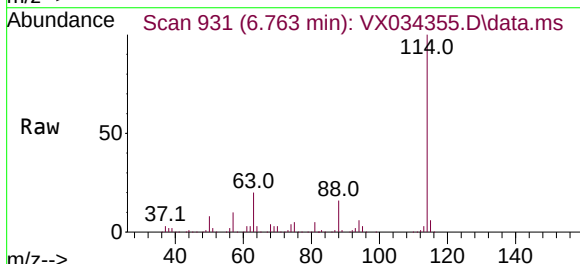
Tgt Ion: 114 Resp: 447415

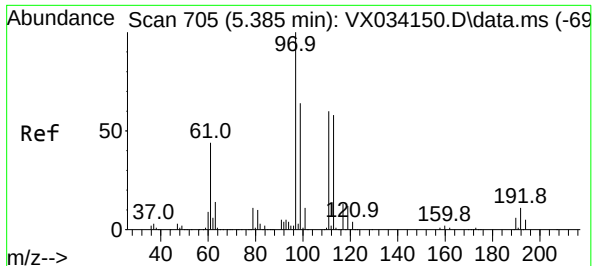
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

88 15.9 0.0 30.6

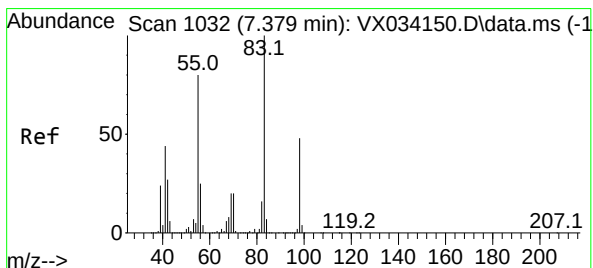
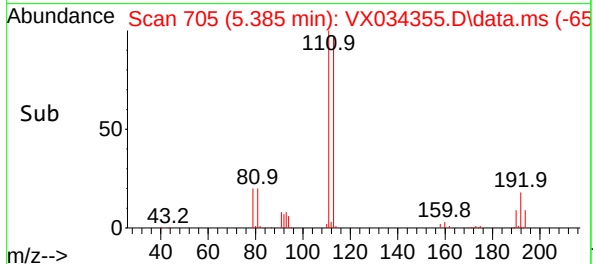
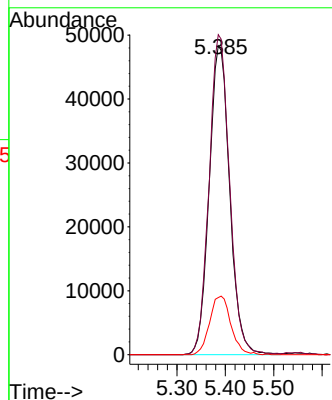
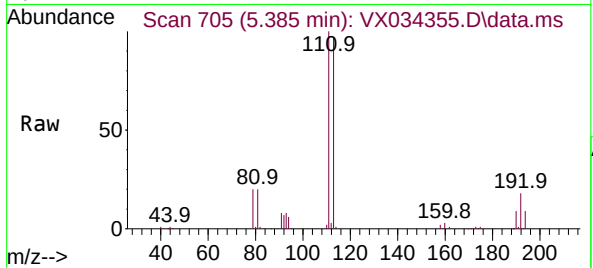




#35
Dibromofluoromethane
Concen: 48.829 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

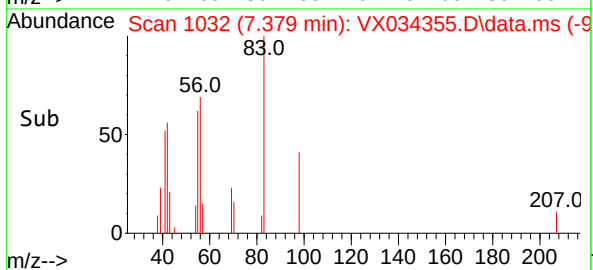
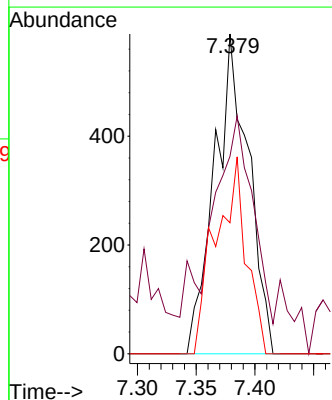
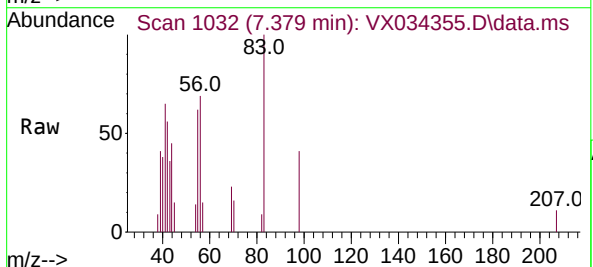
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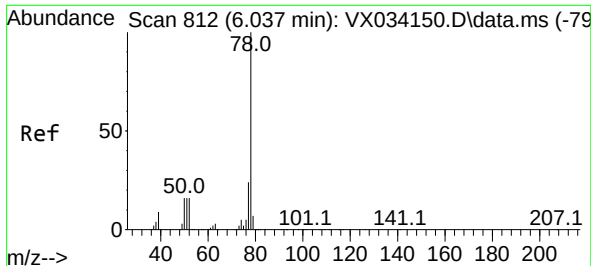
Tgt Ion:113 Resp: 142245
Ion Ratio Lower Upper
113 100
111 103.7 83.0 124.6
192 19.6 19.0 28.4



#39
Methylcyclohexane
Concen: 0.213 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

Tgt Ion: 83 Resp: 1183
Ion Ratio Lower Upper
83 100
55 50.3 61.8 92.6#
98 41.0 39.3 58.9

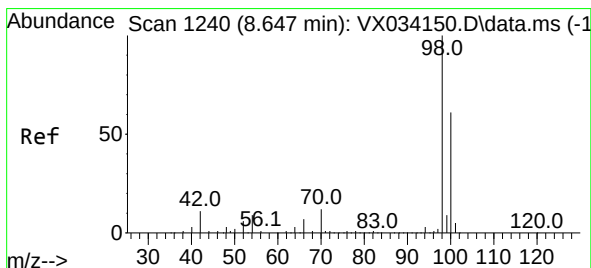
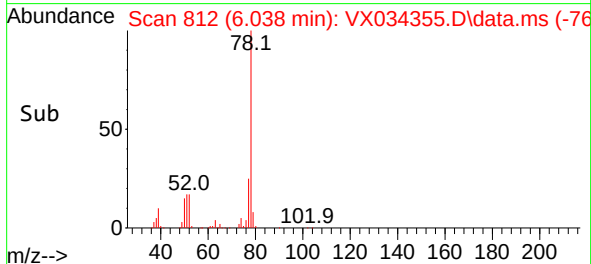
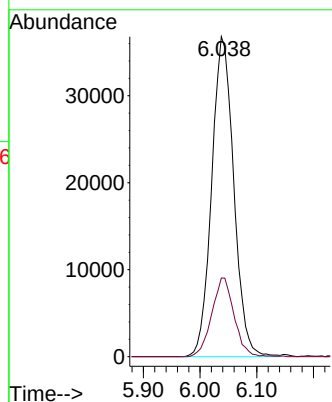
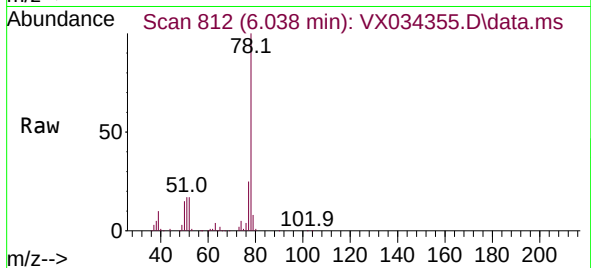




#40
Benzene
Concen: 7.786 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

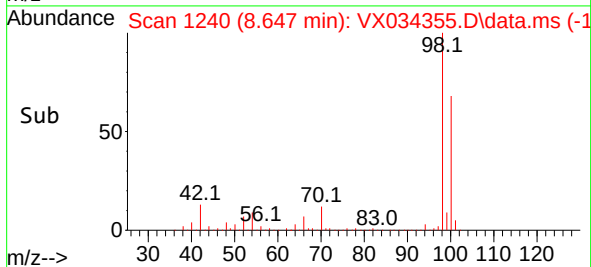
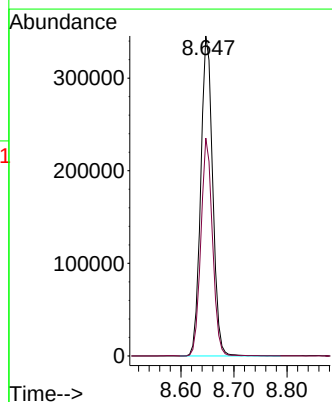
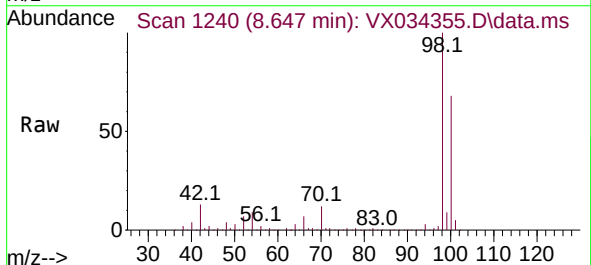
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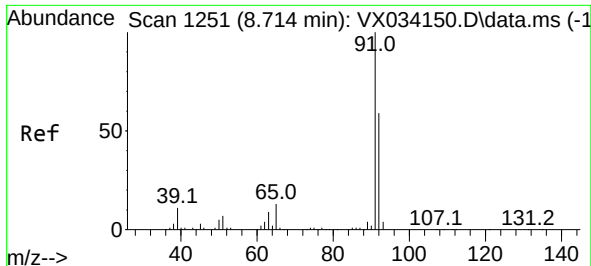
Tgt Ion: 78 Resp: 99407
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.4



#50
Toluene-d8
Concen: 51.723 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

Tgt Ion: 98 Resp: 540972
Ion Ratio Lower Upper
98 100
100 66.2 53.6 80.4

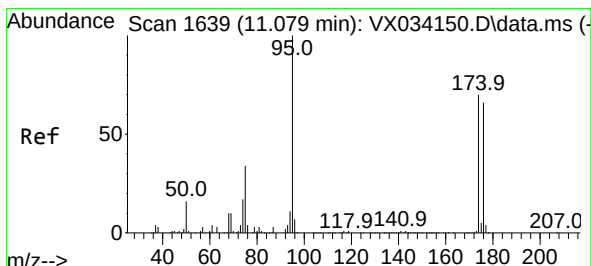
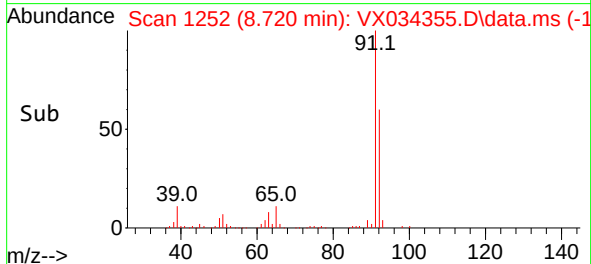
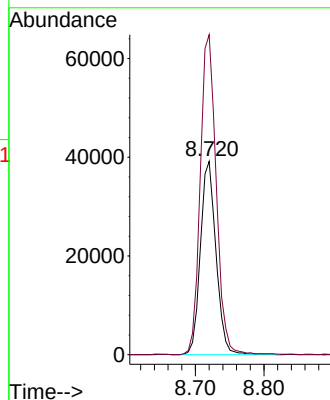
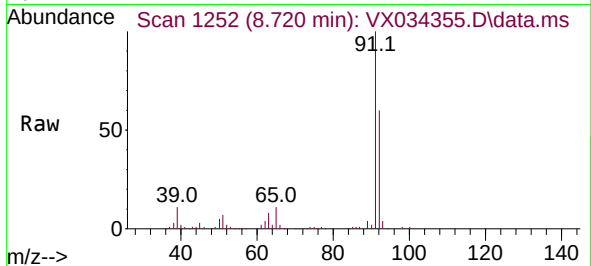




#52
Toluene
Concen: 8.038 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

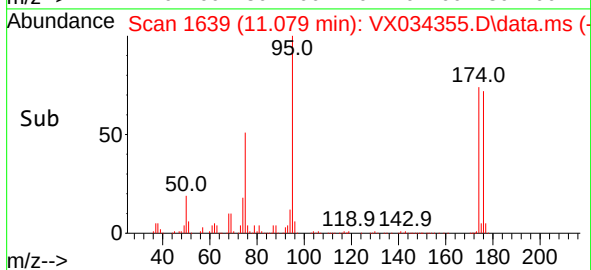
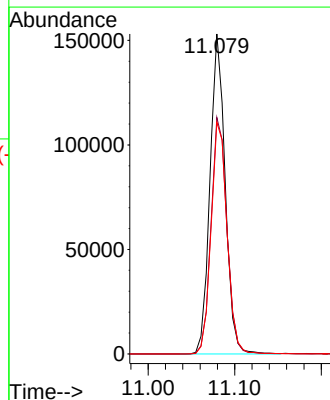
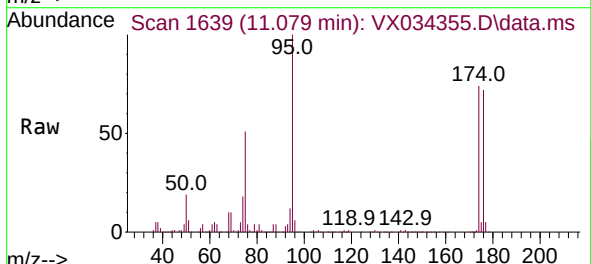
Instrument :
MSVOA_X
ClientSampleId :
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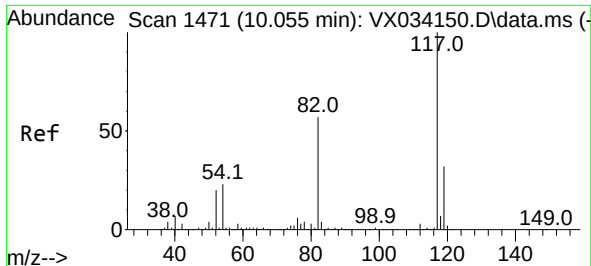
Tgt Ion: 92 Resp: 62185
Ion Ratio Lower Upper
92 100
91 170.0 135.5 203.3



#62
4-Bromofluorobenzene
Concen: 46.580 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

Tgt Ion: 95 Resp: 186348
Ion Ratio Lower Upper
95 100
174 77.2 0.0 184.4
176 76.2 0.0 178.8

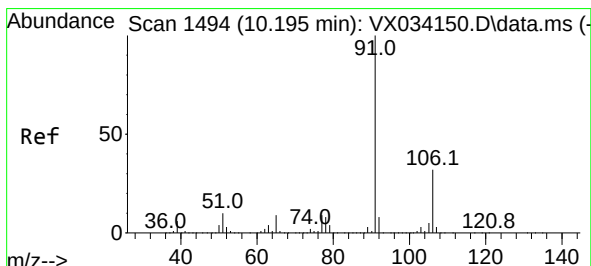
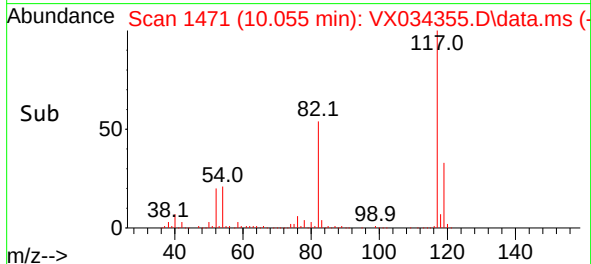
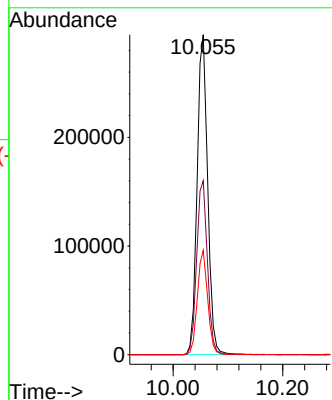
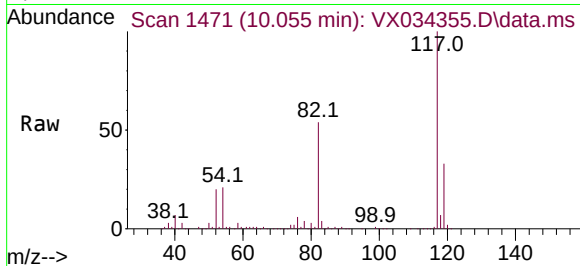




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

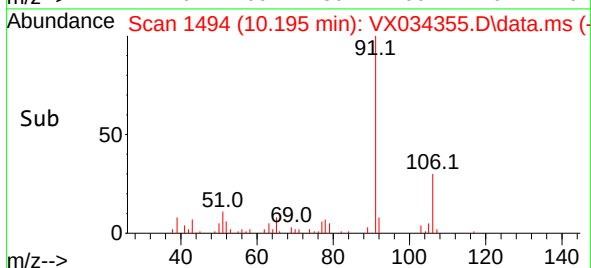
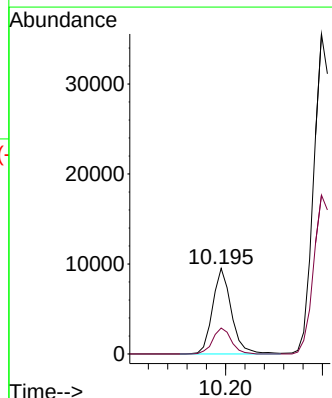
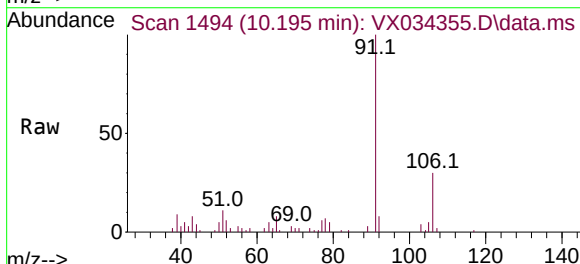
Instrument :
MSVOA_X
ClientSampleId :
31957

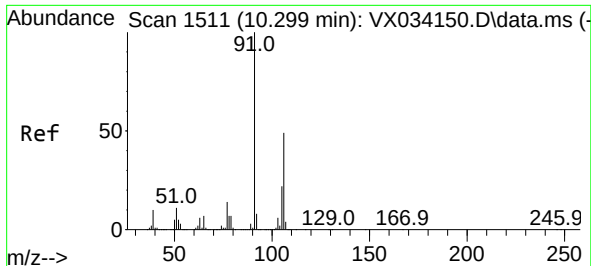
Tgt Ion:117 Resp: 395707
Ion Ratio Lower Upper
117 100
82 54.4 40.6 60.8
119 32.6 25.6 38.4



#67
Ethyl Benzene
Concen: 0.867 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

Tgt Ion: 91 Resp: 12855
Ion Ratio Lower Upper
91 100
106 30.2 25.8 38.8

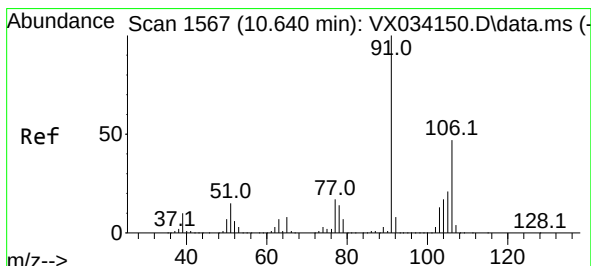
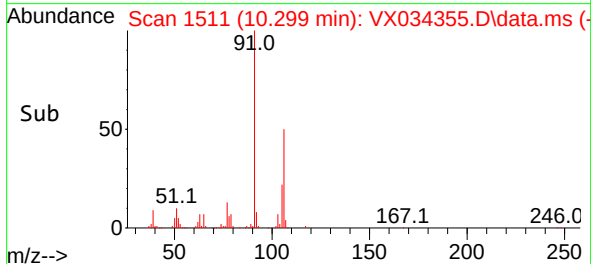
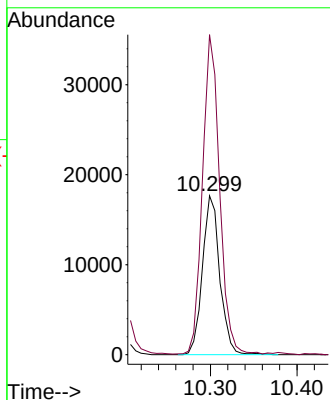
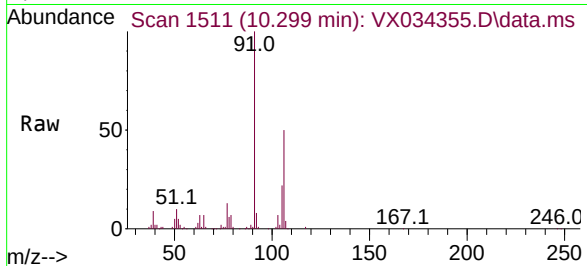




#68
m/p-Xylenes
Concen: 4.329 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

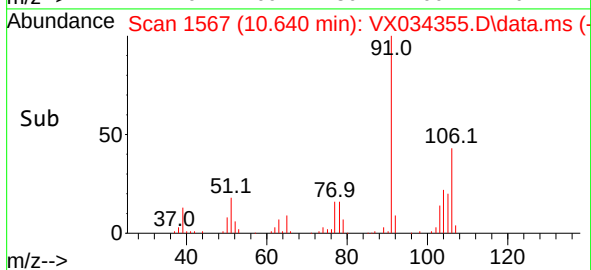
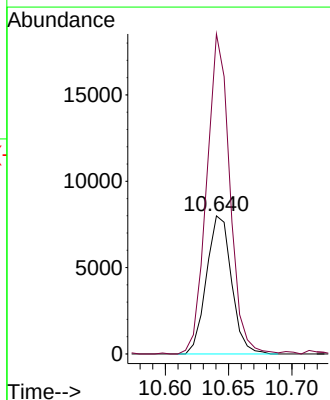
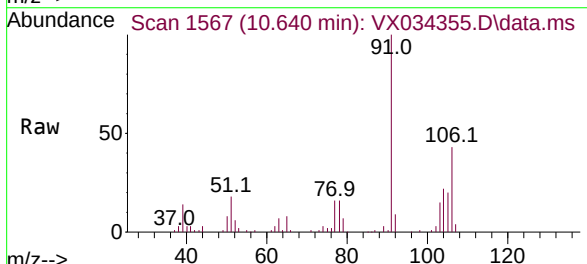
Instrument :
MSVOA_X
ClientSampleId :
31957

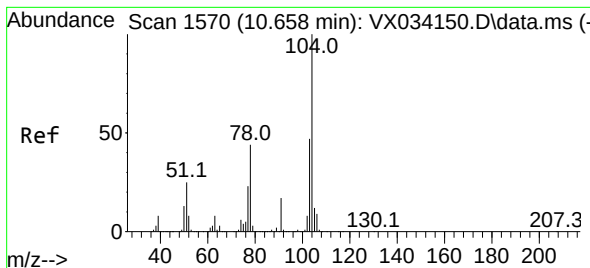
Tgt Ion:106 Resp: 24550
Ion Ratio Lower Upper
106 100
91 197.9 156.4 234.6



#69
o-Xylene
Concen: 1.951 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

Tgt Ion:106 Resp: 11013
Ion Ratio Lower Upper
106 100
91 214.8 103.1 309.3





#70

Styrene

Concen: 3.439 ug/l

RT: 10.659 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034355.D

Acq: 06 Mar 2023 17:22

Instrument :

MSVOA_X

ClientSampleId :

31957

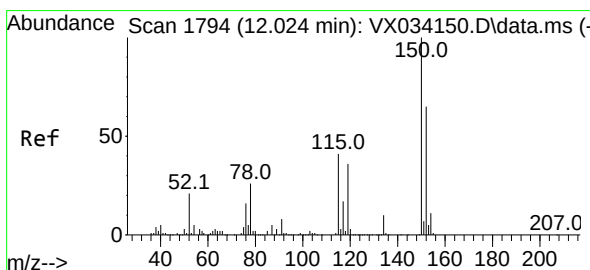
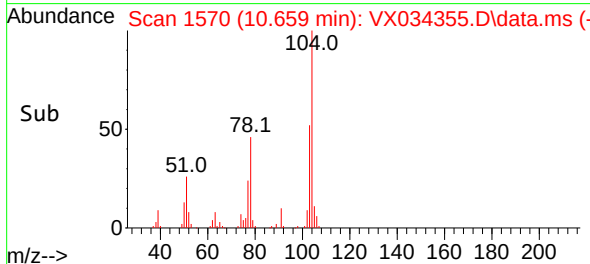
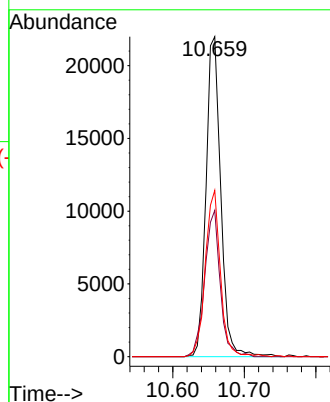
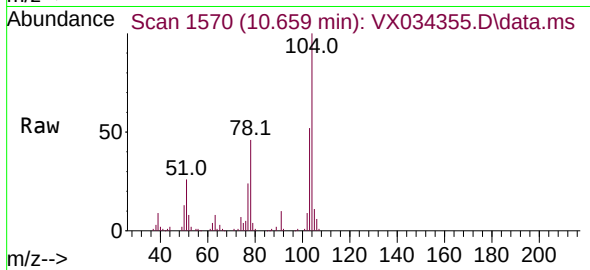
Tgt Ion:104 Resp: 31577

Ion Ratio Lower Upper

104 100

78 48.0 37.5 56.3

103 53.3 43.3 64.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX034355.D

Acq: 06 Mar 2023 17:22

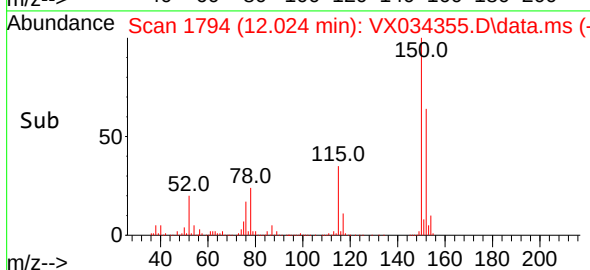
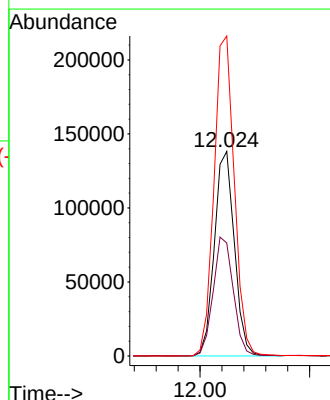
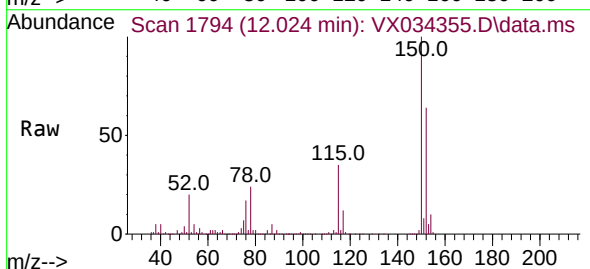
Tgt Ion:152 Resp: 175093

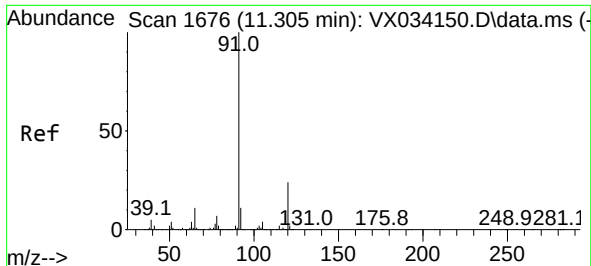
Ion Ratio Lower Upper

152 100

115 58.7 38.7 116.1

150 159.3 0.0 348.2

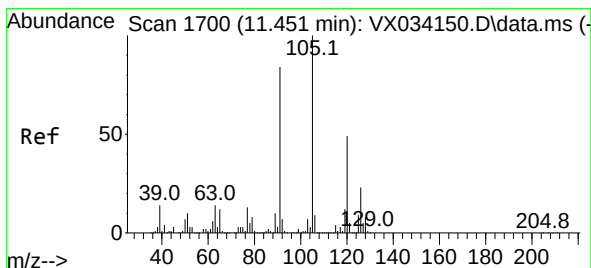
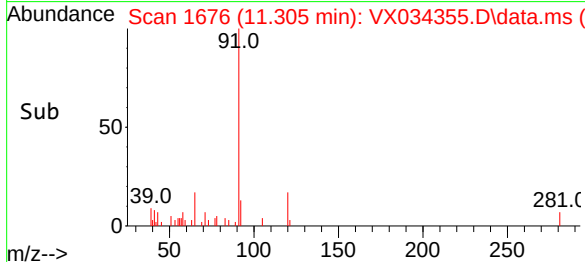
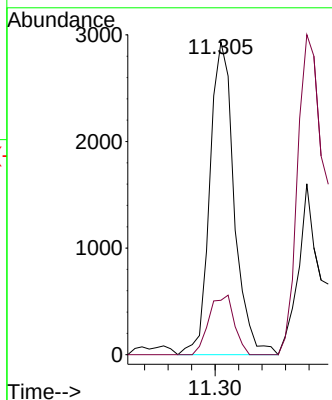
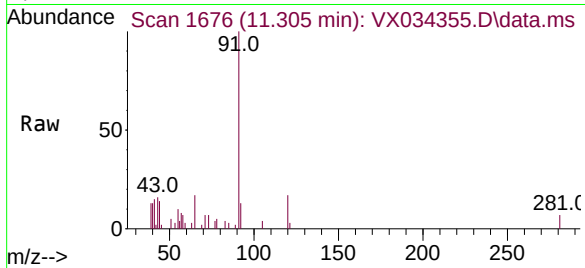




#78
n-propylbenzene
Concen: 0.272 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

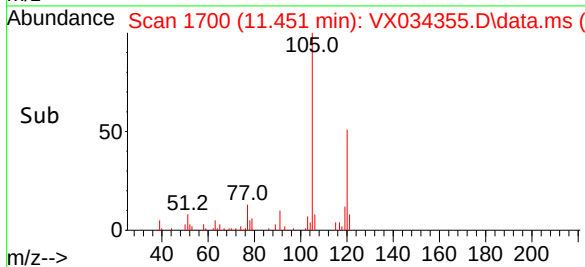
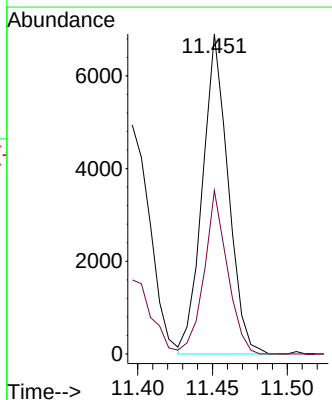
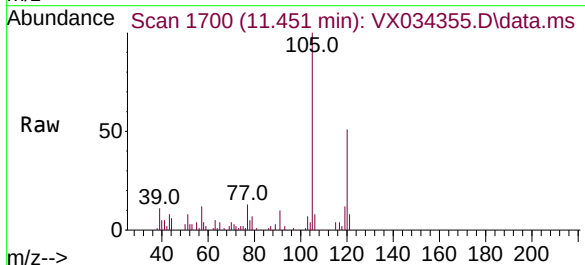
Instrument :
MSVOA_X
ClientSampleId :
31957

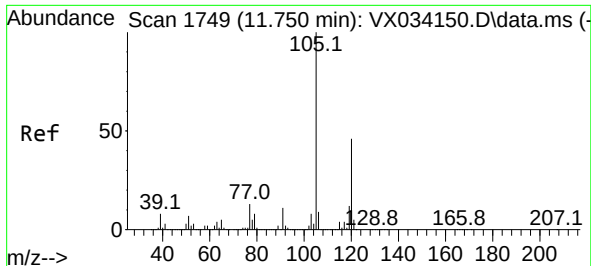
Tgt Ion: 91 Resp: 4229
Ion Ratio Lower Upper
91 100
120 19.6 12.3 36.8



#80
1,3,5-Trimethylbenzene
Concen: 0.736 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

Tgt Ion: 105 Resp: 8252
Ion Ratio Lower Upper
105 100
120 46.2 25.6 76.8

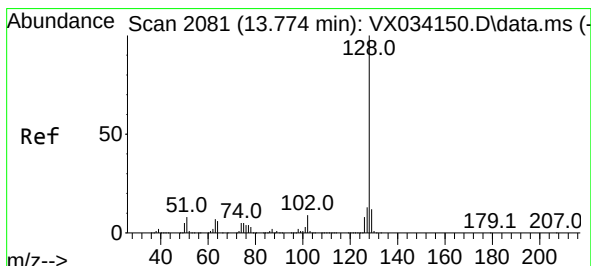
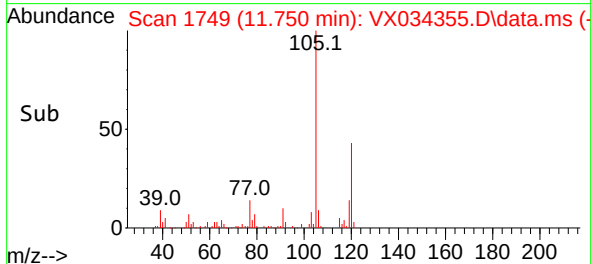
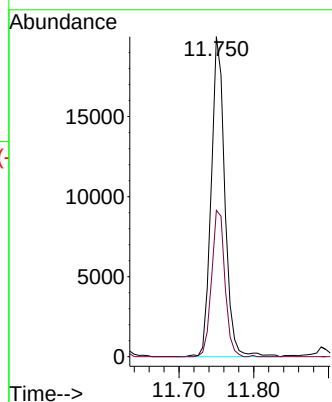
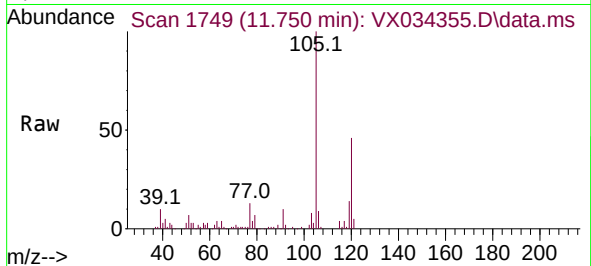




#84
1,2,4-Trimethylbenzene
Concen: 2.229 ug/l
RT: 11.750 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

Instrument :
MSVOA_X
ClientSampleId :
31957

Tgt Ion:105 Resp: 25284
Ion Ratio Lower Upper
105 100
120 44.7 23.4 70.2



#95
Naphthalene
Concen: 2.146 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX034355.D
Acq: 06 Mar 2023 17:22

Tgt Ion:128 Resp: 27350
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 13.1 8.7 13.1#

