

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071523\
 Data File : VX036555.D
 Acq On : 14 Jul 2023 11:48
 Operator : JC/MD
 Sample : 03593-02DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(JUNE)DL

Quant Time: Jul 17 01:28:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

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

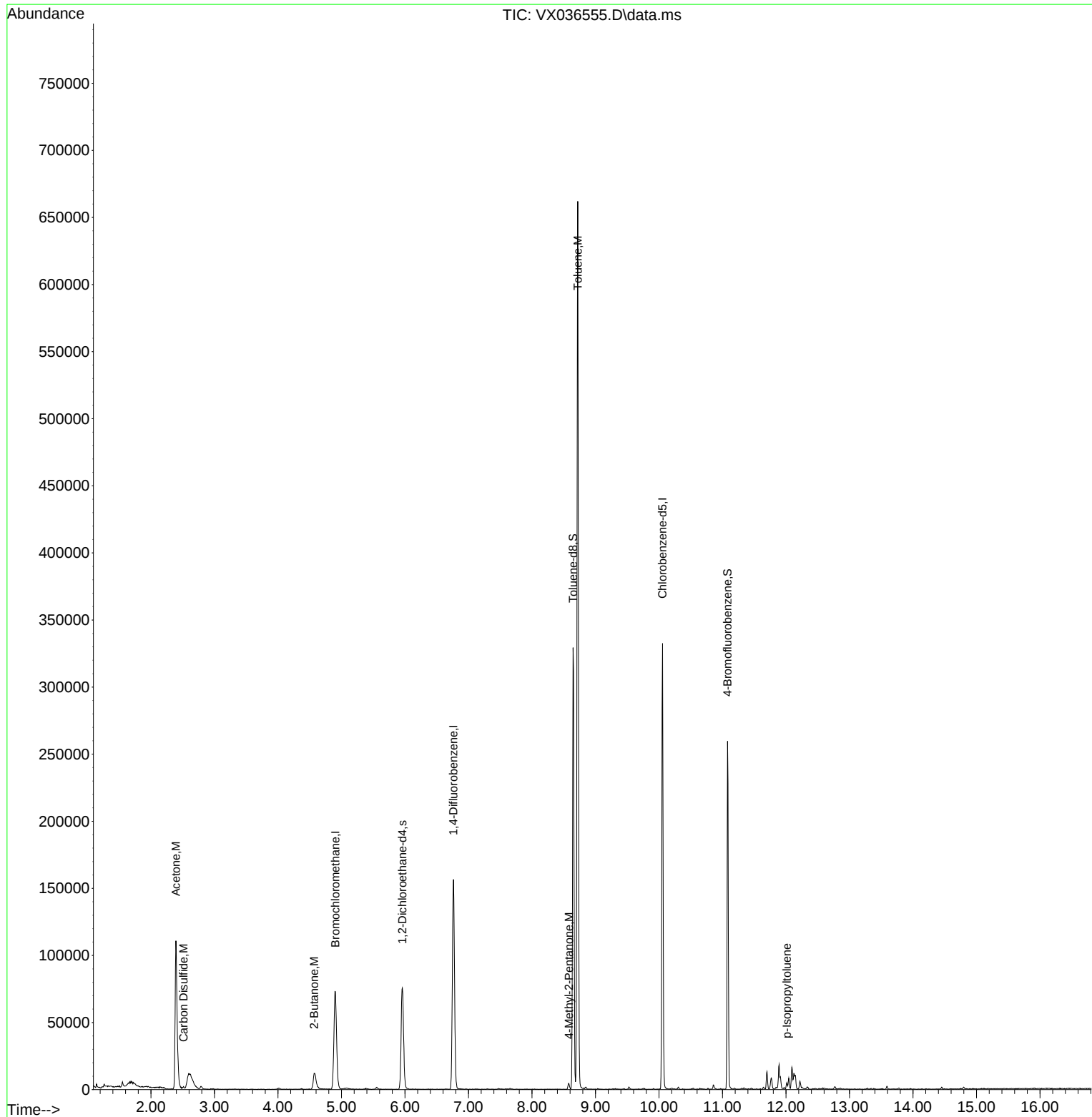
Internal Standards						
1) Bromochloromethane	4.904	128	30024	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	159501	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	146919	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	74334	29.830	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.433%
60) 4-Bromofluorobenzene	11.079	95	69117	29.002	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.667%
63) Toluene-d8	8.647	98	197397	29.198	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.333%
Target Compounds						
					Qvalue	
15) Acetone	2.392	58	44928	137.085	ug/l	95
16) Carbon Disulfide	2.514	76	1443	0.339	ug/l	98
30) 2-Butanone	4.568	43	13604	8.983	ug/l #	84
58) 4-Methyl-2-Pentanone	8.580	43	3052	1.005	ug/l	95
62) Toluene	8.720	91	423258	51.346	ug/l	99
82) p-Isopropyltoluene	12.012	119	1808	0.245	ug/l	89

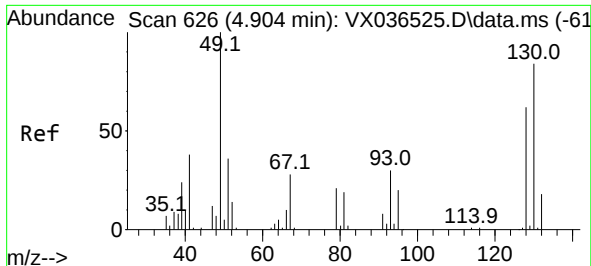
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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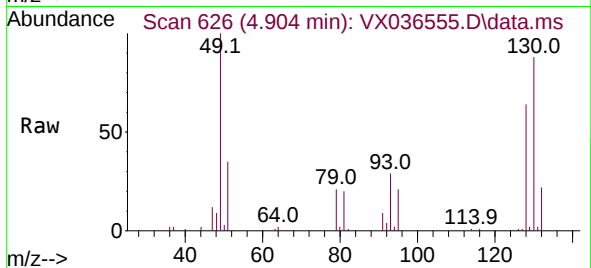
Quant Time: Jul 17 01:28:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 14 04:32:22 2023
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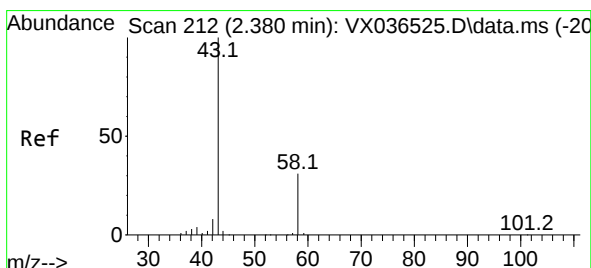
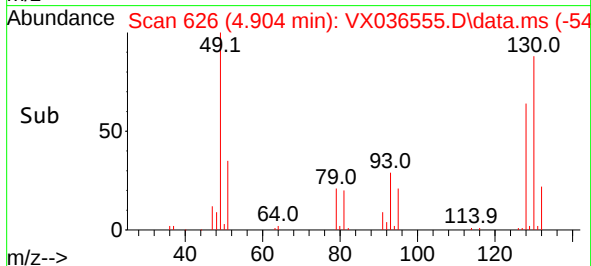
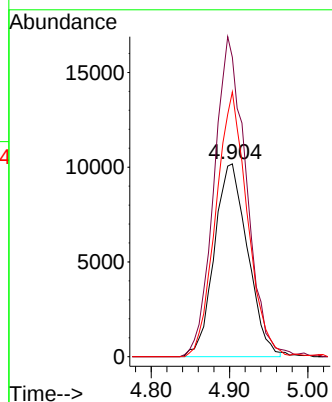


#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.904 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VX036555.D
 Acq: 14 Jul 2023 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(JUNE)DL

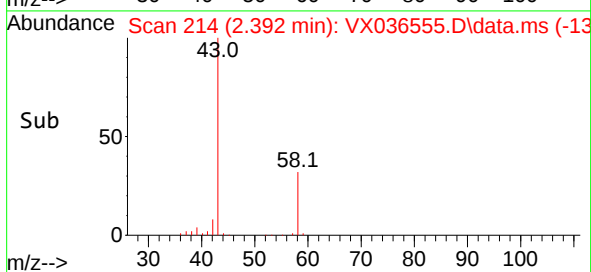
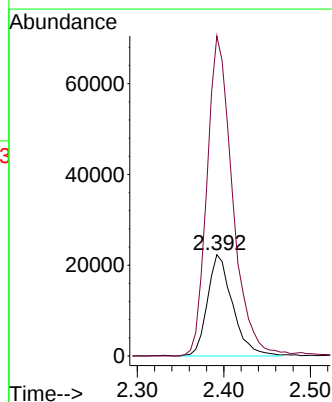
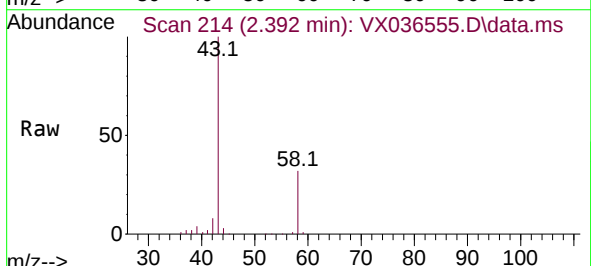


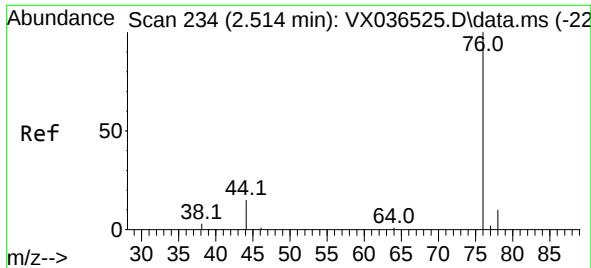
Tgt Ion:128 Resp: 30024
 Ion Ratio Lower Upper
 128 100
 49 160.3 0.0 406.3
 130 130.2 0.0 328.0



#15
 Acetone
 Concen: 137.085 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. 0.012 min
 Lab File: VX036555.D
 Acq: 14 Jul 2023 11:48

Tgt Ion: 58 Resp: 44928
 Ion Ratio Lower Upper
 58 100
 43 315.9 261.0 391.4

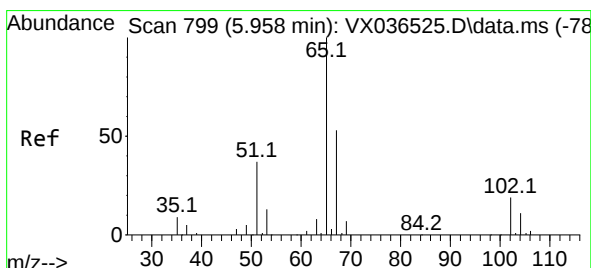
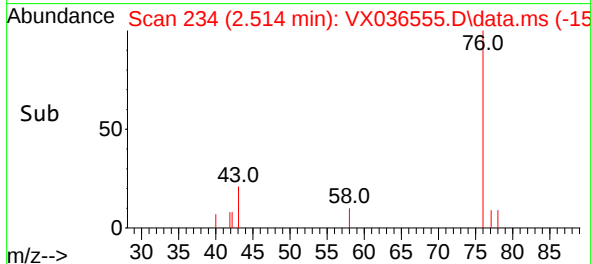
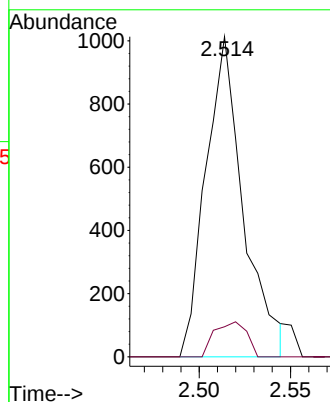
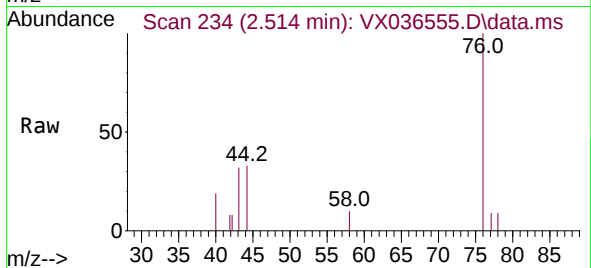




#16
Carbon Disulfide
Concen: 0.339 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036555.D
Acq: 14 Jul 2023 11:48

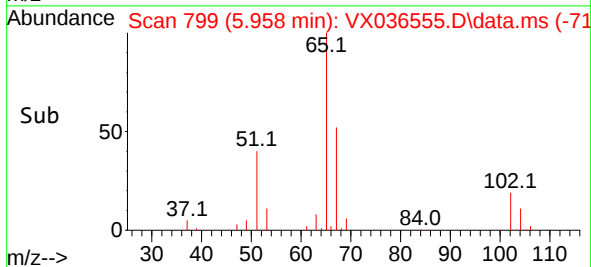
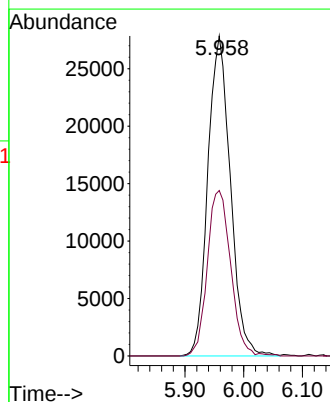
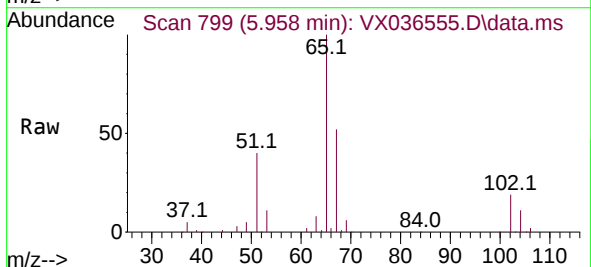
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)DL

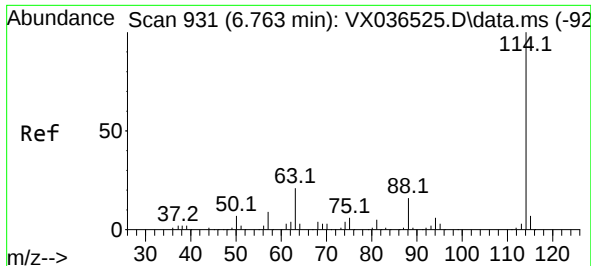
Tgt Ion: 76 Resp: 1443
Ion Ratio Lower Upper
76 100
78 9.4 8.0 12.0



#27
1,2-Dichloroethane-d4
Concen: 29.830 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036555.D
Acq: 14 Jul 2023 11:48

Tgt Ion: 65 Resp: 74334
Ion Ratio Lower Upper
65 100
67 53.1 42.1 63.1

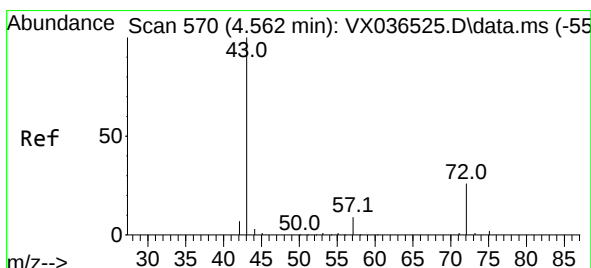
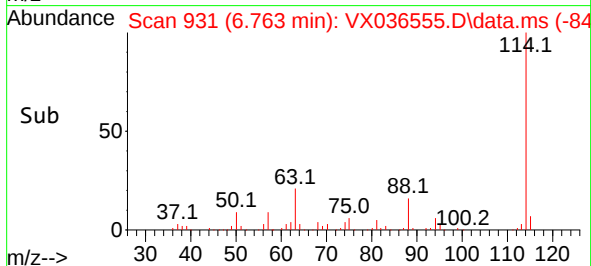
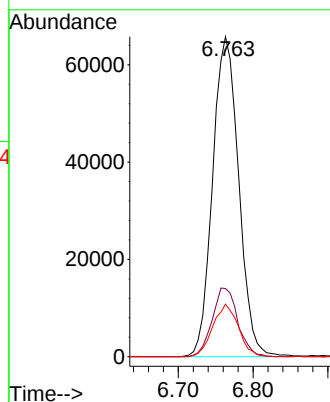
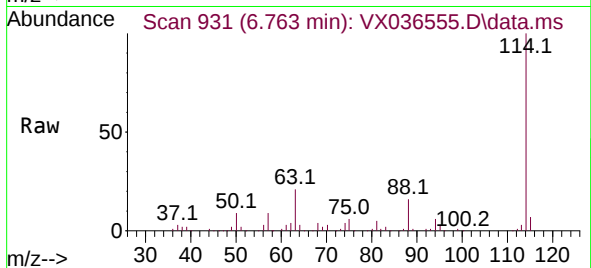




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036555.D
Acq: 14 Jul 2023 11:48

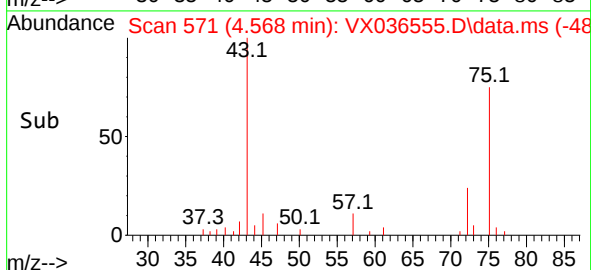
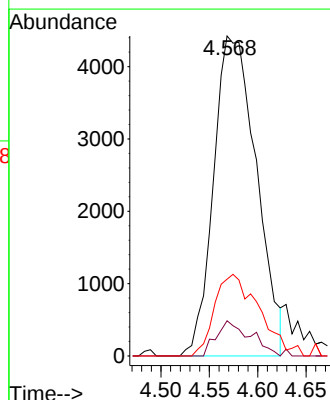
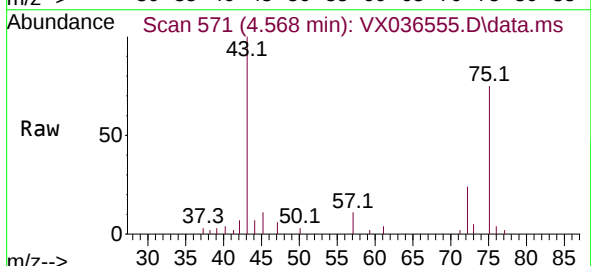
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)DL

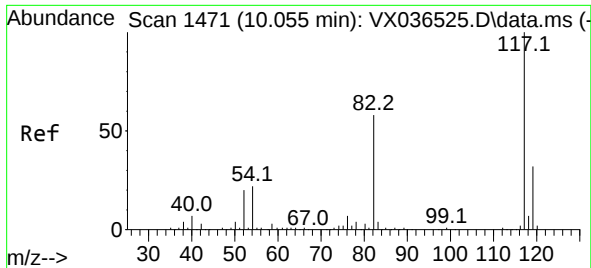
Tgt Ion:114 Resp: 159501
Ion Ratio Lower Upper
114 100
63 21.1 16.6 24.8
88 16.1 12.9 19.3



#30
2-Butanone
Concen: 8.983 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX036555.D
Acq: 14 Jul 2023 11:48

Tgt Ion: 43 Resp: 13604
Ion Ratio Lower Upper
43 100
57 6.3 6.4 9.6#
72 17.2 21.6 32.4#

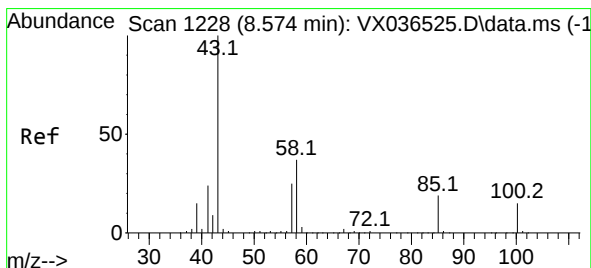
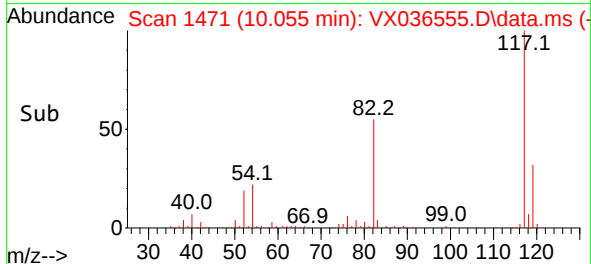
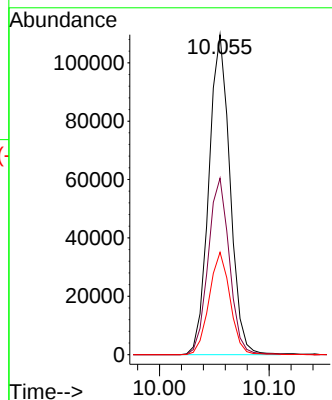
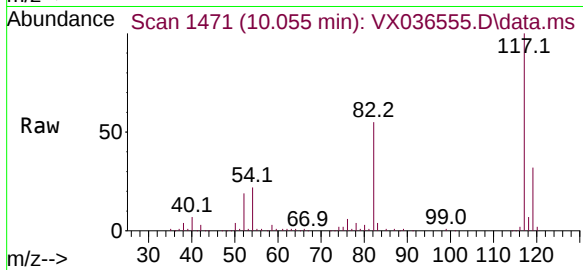




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036555.D
Acq: 14 Jul 2023 11:48

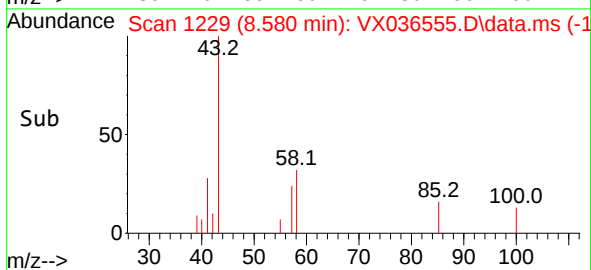
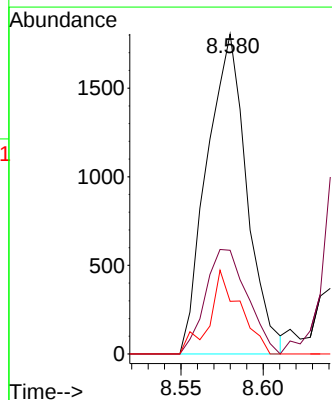
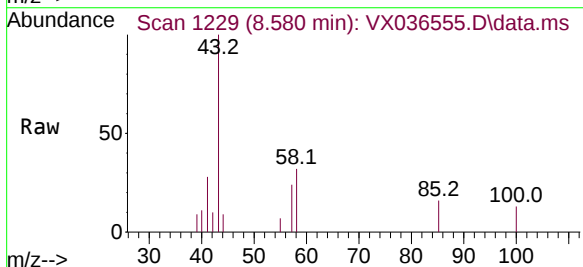
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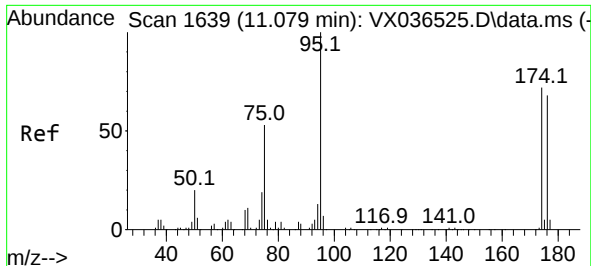
Tgt Ion:117 Resp: 146919
Ion Ratio Lower Upper
117 100
82 55.4 44.7 67.1
119 31.9 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 1.005 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX036555.D
Acq: 14 Jul 2023 11:48

Tgt Ion: 43 Resp: 3052
Ion Ratio Lower Upper
43 100
58 34.2 30.9 46.3
85 17.7 14.4 21.6

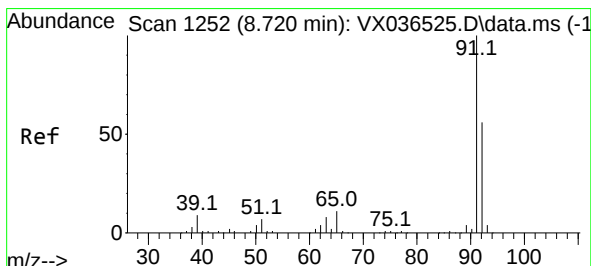
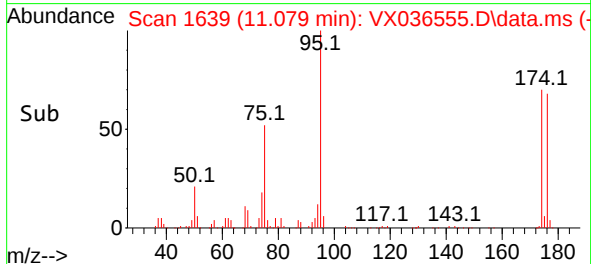
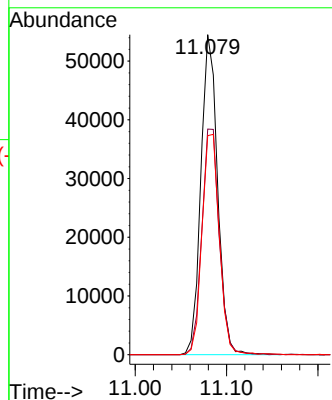
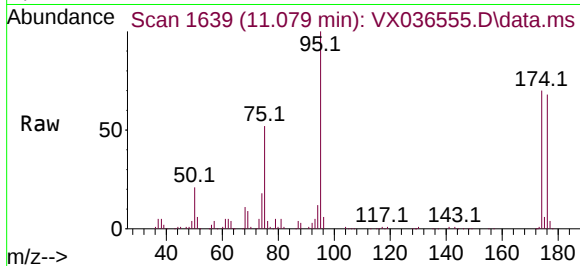




#60
4-Bromofluorobenzene
Concen: 29.002 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036555.D
Acq: 14 Jul 2023 11:48

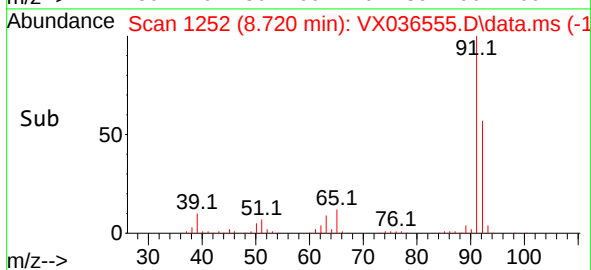
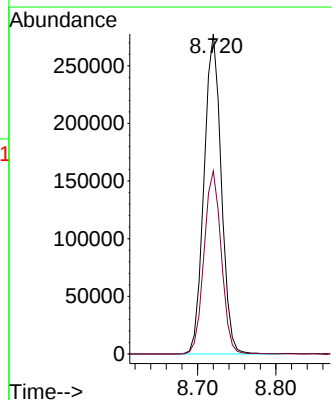
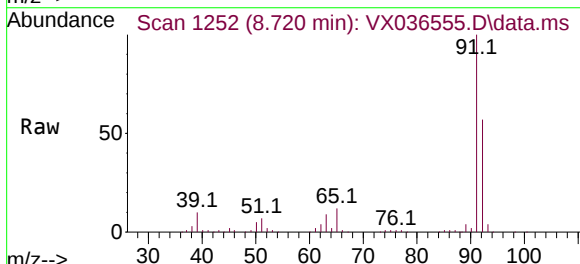
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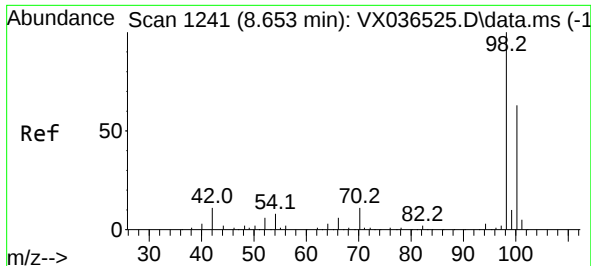
Tgt Ion: 95 Resp: 69117
Ion Ratio Lower Upper
95 100
174 73.5 60.5 90.7
176 71.5 58.2 87.4



#62
Toluene
Concen: 51.346 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036555.D
Acq: 14 Jul 2023 11:48

Tgt Ion: 91 Resp: 423258
Ion Ratio Lower Upper
91 100
92 57.1 44.9 67.3

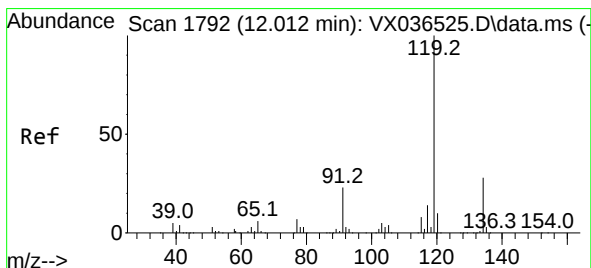
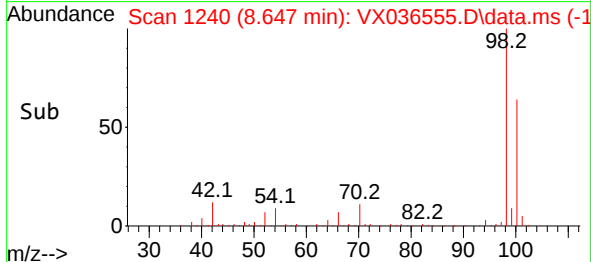
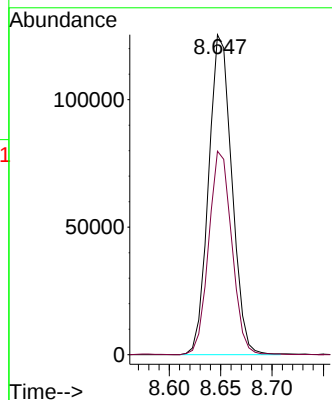
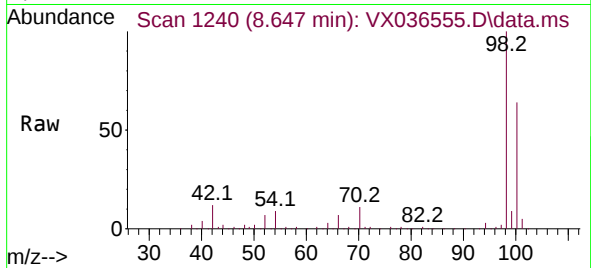




#63
Toluene-d8
Concen: 29.198 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036555.D
Acq: 14 Jul 2023 11:48

Instrument :
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Tgt Ion: 98 Resp: 197397
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4



#82
p-Isopropyltoluene
Concen: 0.245 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX036555.D
Acq: 14 Jul 2023 11:48

Tgt Ion: 119 Resp: 1808
Ion Ratio Lower Upper
119 100
134 23.2 0.0 53.2
91 32.2 0.0 49.4

