

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071523\
 Data File : VX036557.D
 Acq On : 14 Jul 2023 12:35
 Operator : JC/MD
 Sample : 03596-02DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jul 17 01:29:21 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)

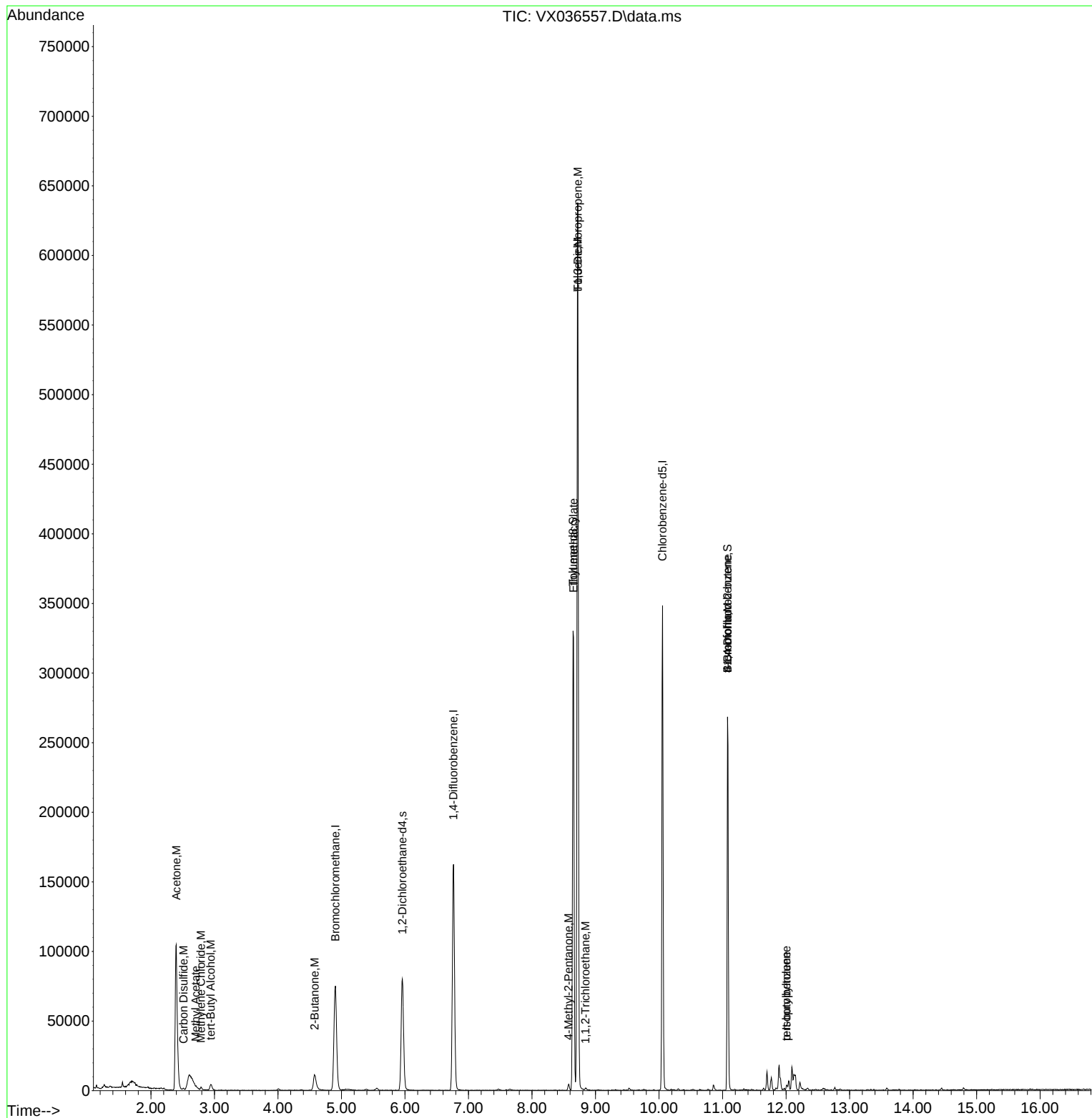
Internal Standards						
1) Bromochloromethane	4.903	128	30787	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	161529	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	149095	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	76392	29.896	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.667%		
60) 4-Bromofluorobenzene	11.079	95	69841	28.878	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.267%		
63) Toluene-d8	8.647	98	203212	29.619	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.733%		
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.703	43	1252	0.296	ug/l #	50
15) Acetone	2.398	58	45867	136.481	ug/l	88
16) Carbon Disulfide	2.514	76	1317	0.301	ug/l	100
18) Methylene Chloride	2.788	84	719	0.331	ug/l #	72
23) tert-Butyl Alcohol	2.940	59	2682	4.866	ug/l #	1
30) 2-Butanone	4.574	43	13580	8.854	ug/l	99
48) t-1,3-Dichloropropene	8.720	75	2846	0.970	ug/l #	1
50) 1,1,2-Trichloroethane	8.842	97	1086	0.543	ug/l #	14
51) Ethyl methacrylate	8.653	69	648	0.206	ug/l	83
56) Bromoform	11.079	173	682	0.485	ug/l #	1
58) 4-Methyl-2-Pentanone	8.574	43	2841	0.921	ug/l #	96
62) Toluene	8.720	91	403710	48.259	ug/l	98
77) t-1,4-Dichloro-2-butene	11.079	75	37060	38.087	ug/l #	7
79) tert-butylbenzene	12.006	119	1583	0.222	ug/l	72
82) p-Isopropyltoluene	12.006	119	1583	0.212	ug/l	90

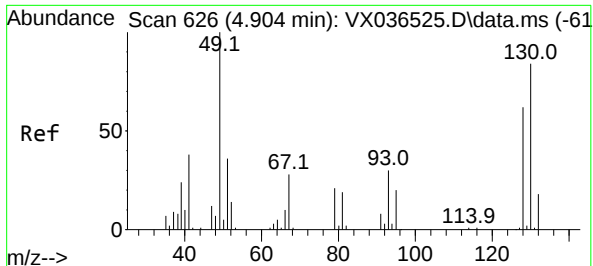
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 14 04:32:22 2023
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.903 min Scan# 61

Delta R.T. -0.001 min

Lab File: VX036557.D

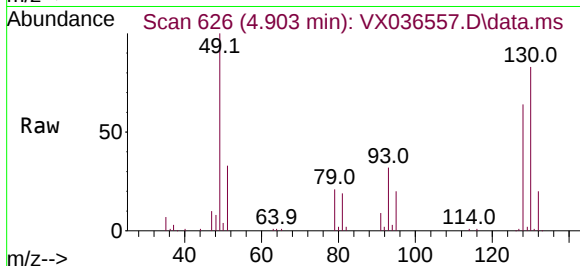
Acq: 14 Jul 2023 12:35

Instrument :

MSVOA_X

ClientSampleId :

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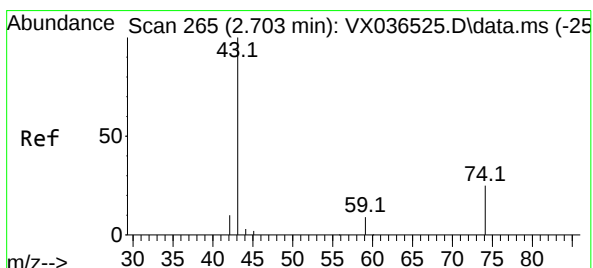
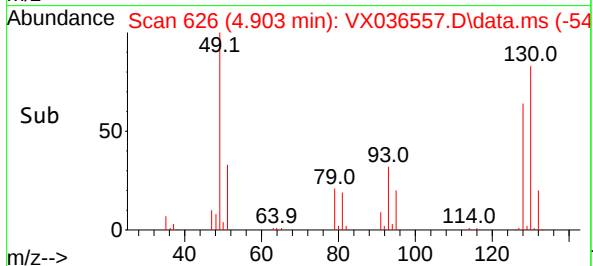
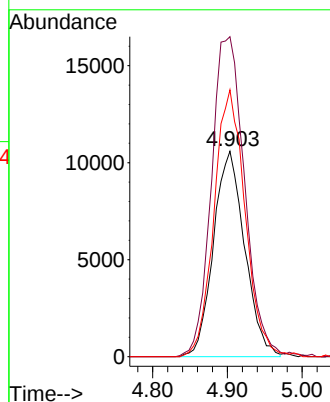
Tgt Ion:128 Resp: 30787

Ion Ratio Lower Upper

128 100

49 165.2 0.0 406.3

130 129.3 0.0 328.0



#12

Methyl Acetate

Concen: 0.296 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX036557.D

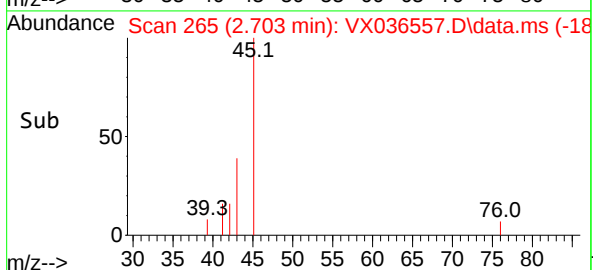
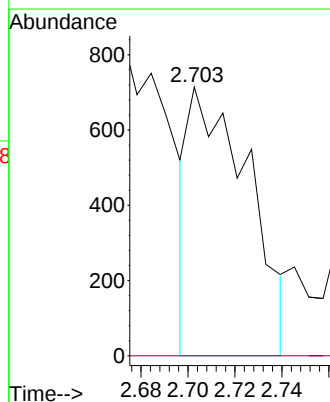
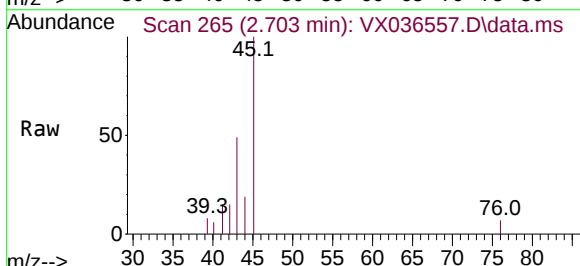
Acq: 14 Jul 2023 12:35

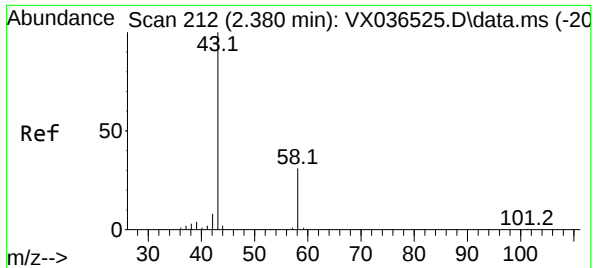
Tgt Ion: 43 Resp: 1252

Ion Ratio Lower Upper

43 100

74 0.0 20.3 30.5#

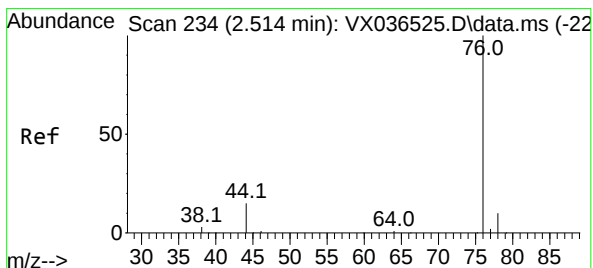
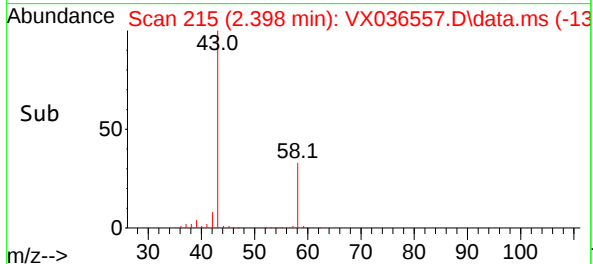
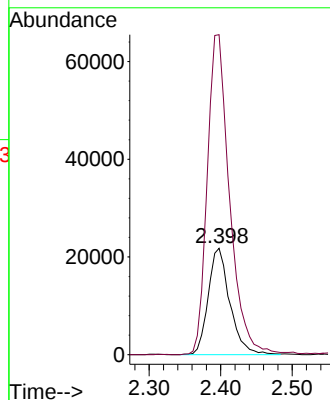
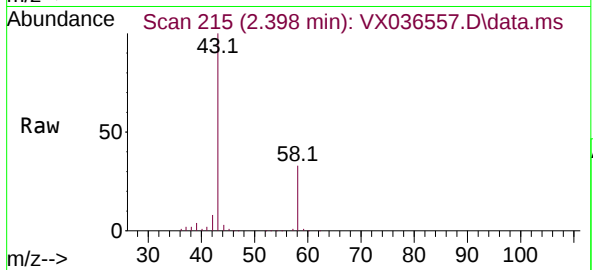




#15
Acetone
Concen: 136.481 ug/l
RT: 2.398 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX036557.D
Acq: 14 Jul 2023 12:35

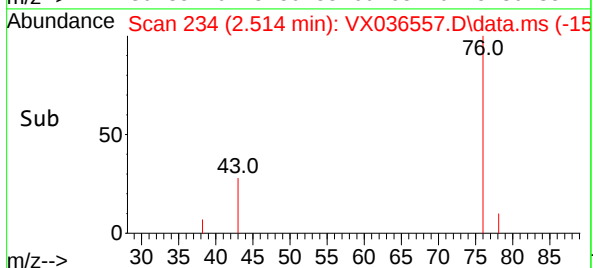
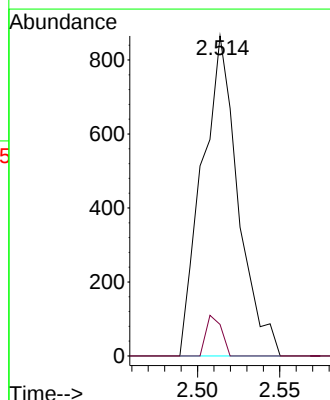
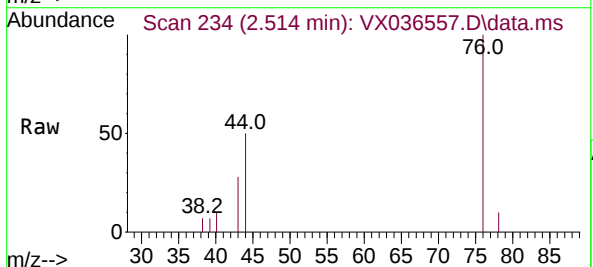
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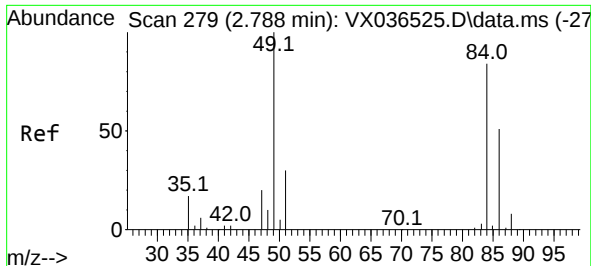
Tgt Ion: 58 Resp: 45867
Ion Ratio Lower Upper
58 100
43 300.9 261.0 391.4



#16
Carbon Disulfide
Concen: 0.301 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX036557.D
Acq: 14 Jul 2023 12:35

Tgt Ion: 76 Resp: 1317
Ion Ratio Lower Upper
76 100
78 9.8 8.0 12.0

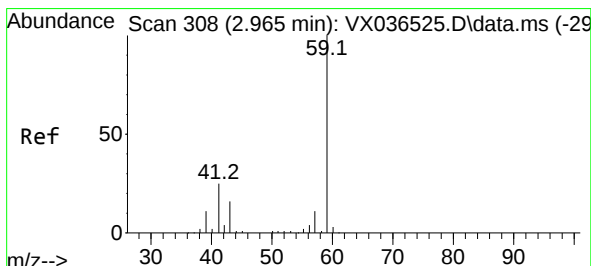
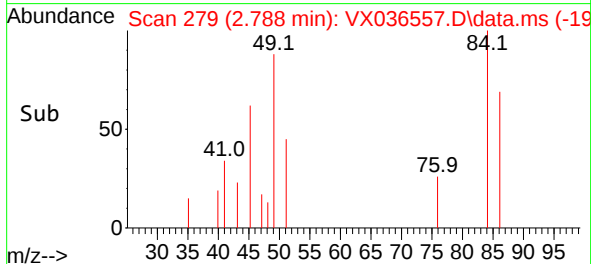
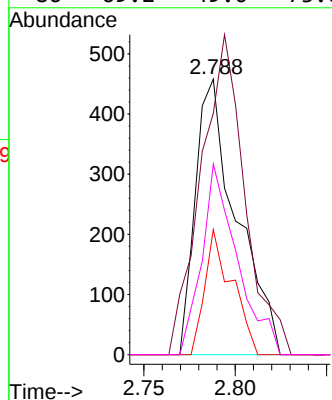
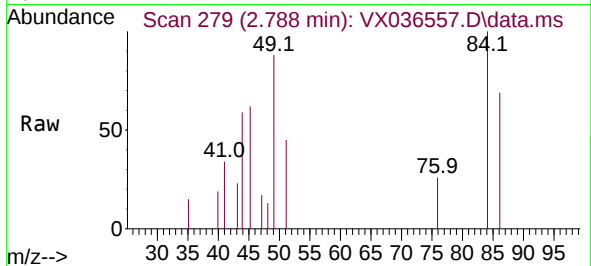




#18
Methylene Chloride
Concen: 0.331 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036557.D
Acq: 14 Jul 2023 12:35

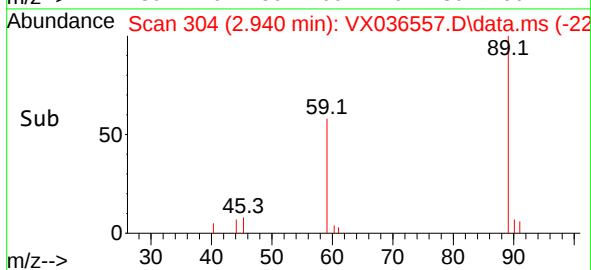
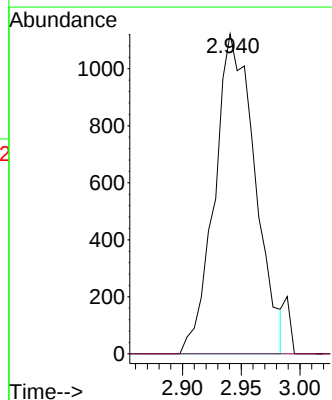
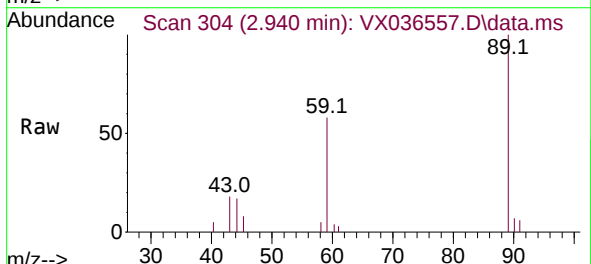
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JULY)DL

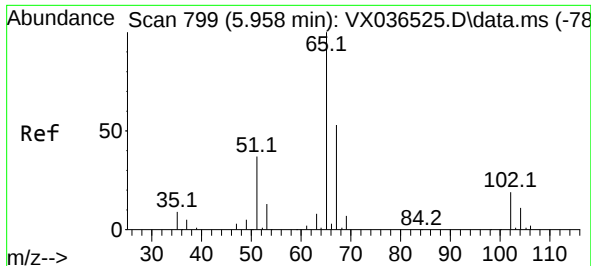
Tgt Ion:	84	Resp:	719
Ion	Ratio	Lower	Upper
84	100		
49	74.9	95.4	143.0#
51	45.4	28.3	42.5#
86	69.2	49.0	73.6



#23
tert-Butyl Alcohol
Concen: 4.866 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.025 min
Lab File: VX036557.D
Acq: 14 Jul 2023 12:35

Tgt Ion:	59	Resp:	2682
Ion	Ratio	Lower	Upper
59	100		
52	0.0	142.6	213.8#





#27

1,2-Dichloroethane-d4

Concen: 29.896 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX036557.D

Acq: 14 Jul 2023 12:35

Instrument :

MSVOA_X

ClientSampleId :

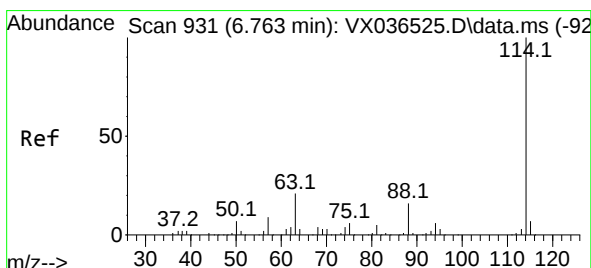
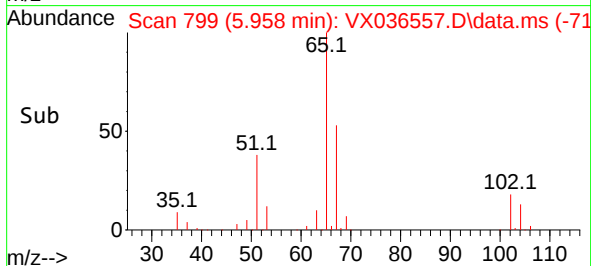
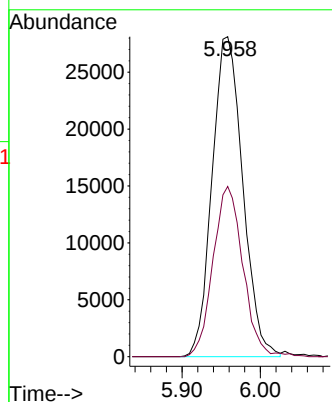
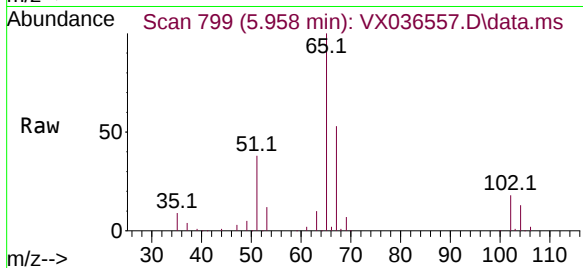
002-35TH-AVE(JULY)DL

Tgt Ion: 65 Resp: 76392

Ion Ratio Lower Upper

65 100

67 51.3 42.1 63.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX036557.D

Acq: 14 Jul 2023 12:35

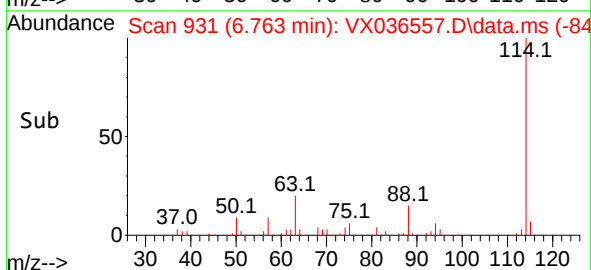
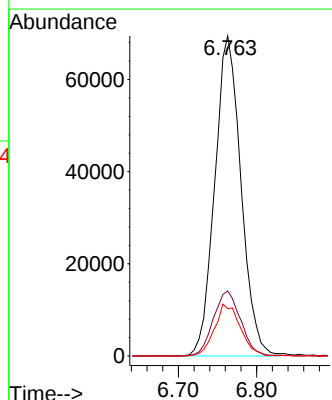
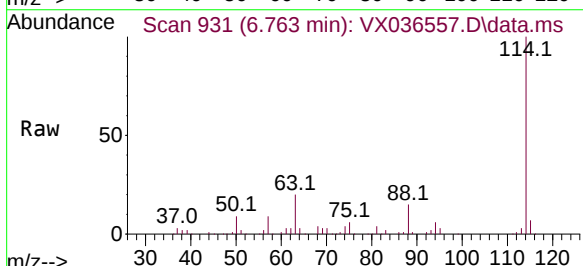
Tgt Ion: 114 Resp: 161529

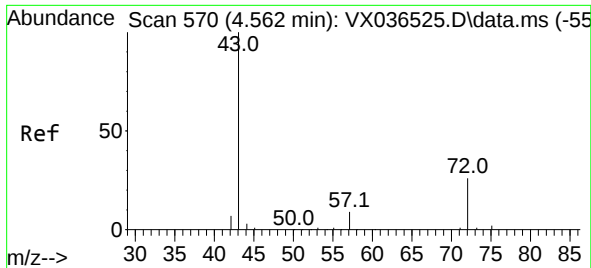
Ion Ratio Lower Upper

114 100

63 21.0 16.6 24.8

88 15.9 12.9 19.3

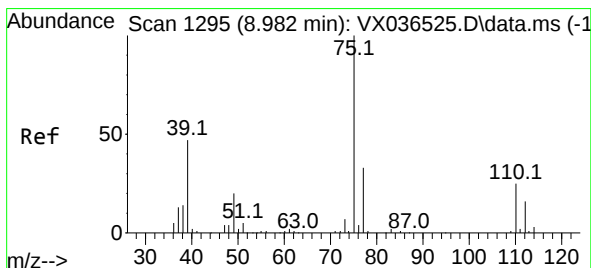
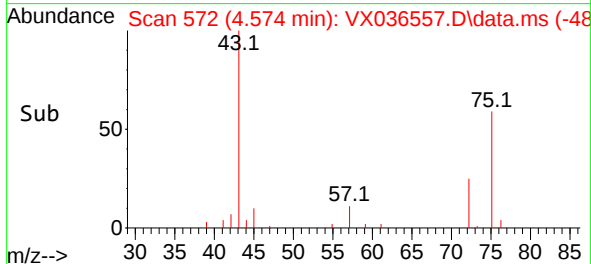
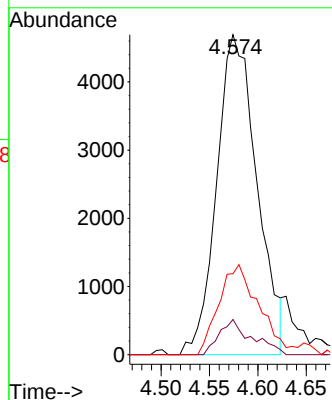
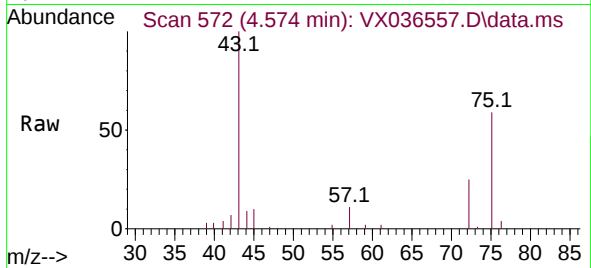




#30
2-Butanone
Concen: 8.854 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX036557.D
Acq: 14 Jul 2023 12:35

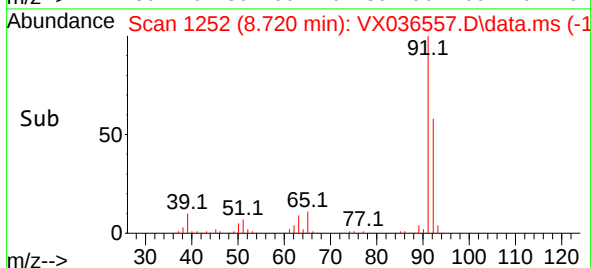
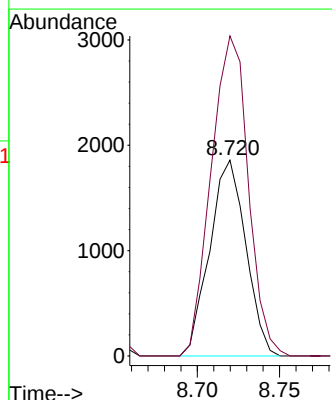
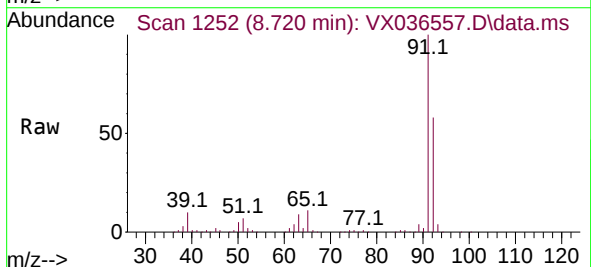
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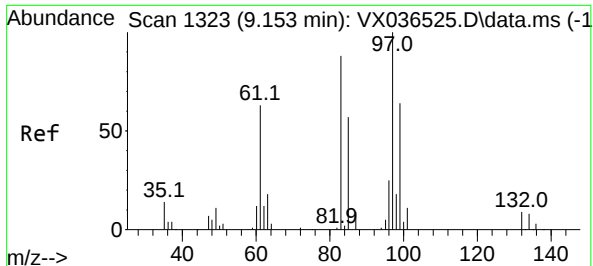
Tgt Ion: 43 Resp: 13580
Ion Ratio Lower Upper
43 100
57 8.9 6.4 9.6
72 27.6 21.6 32.4



#48
t-1,3-Dichloropropene
Concen: 0.970 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.262 min
Lab File: VX036557.D
Acq: 14 Jul 2023 12:35

Tgt Ion: 75 Resp: 2846
Ion Ratio Lower Upper
75 100
77 163.3 26.8 40.2#





#50

1,1,2-Trichloroethane

Concen: 0.543 ug/l

RT: 8.842 min Scan# 11

Delta R.T. -0.311 min

Lab File: VX036557.D

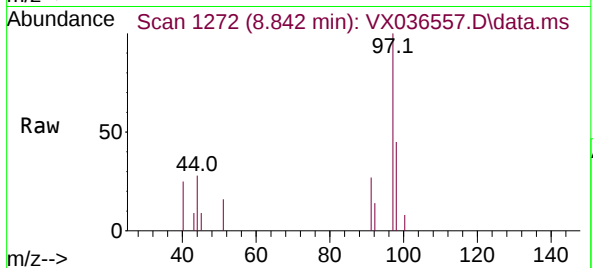
Acq: 14 Jul 2023 12:35

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JULY)DL



Tgt Ion: 97 Resp: 1086

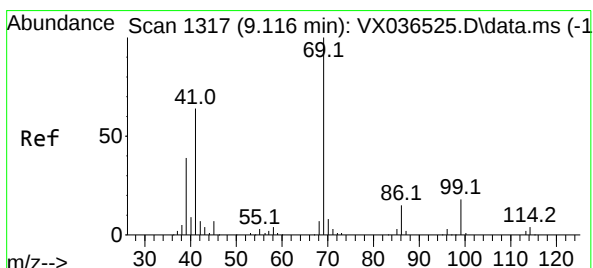
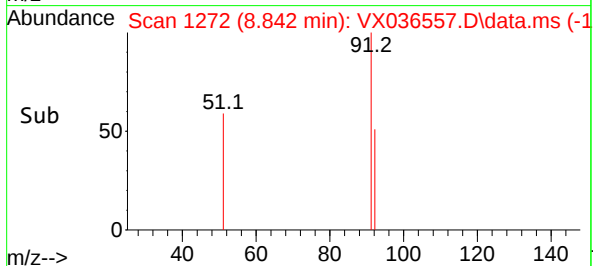
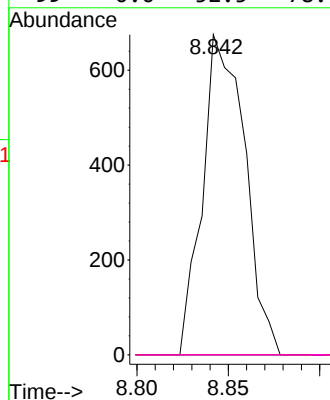
Ion Ratio Lower Upper

97 100

83 0.0 70.0 105.0#

85 0.0 46.1 69.1#

99 0.0 52.5 78.7#



#51

Ethyl methacrylate

Concen: 0.206 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.463 min

Lab File: VX036557.D

Acq: 14 Jul 2023 12:35

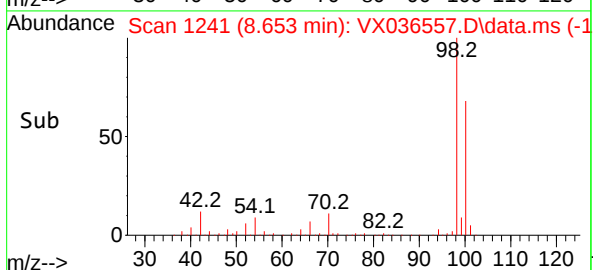
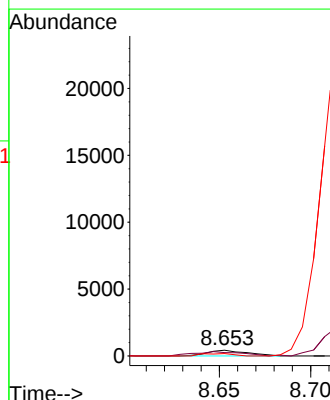
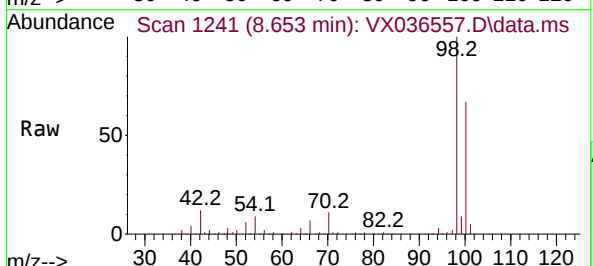
Tgt Ion: 69 Resp: 648

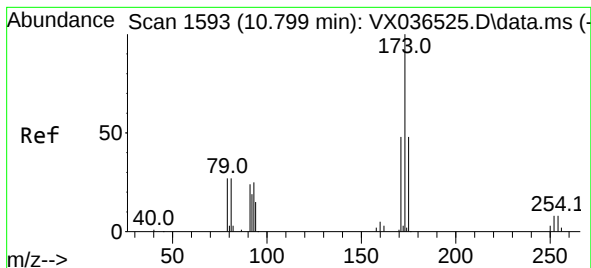
Ion Ratio Lower Upper

69 100

41 43.9 32.0 96.0

39 41.4 19.4 58.4





#56

Bromoform

Concen: 0.485 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

Lab File: VX036557.D

Acq: 14 Jul 2023 12:35

Instrument :

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ClientSampleId :

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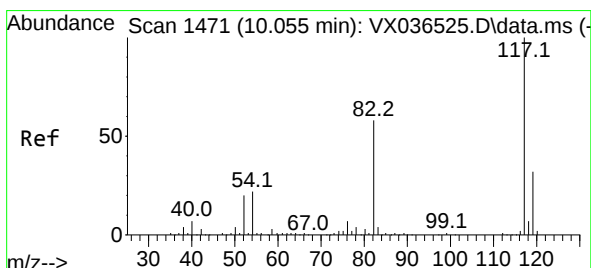
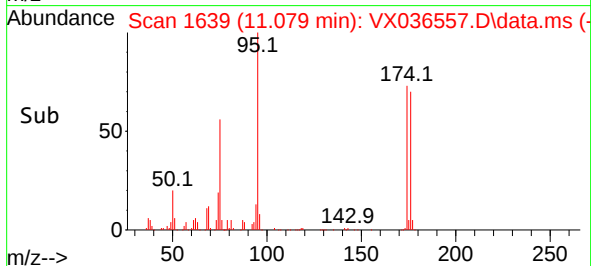
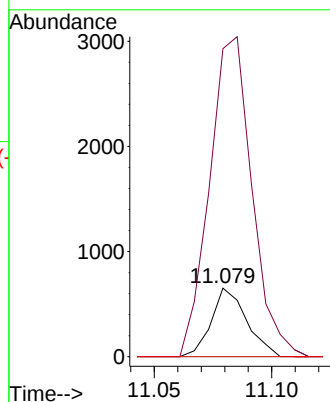
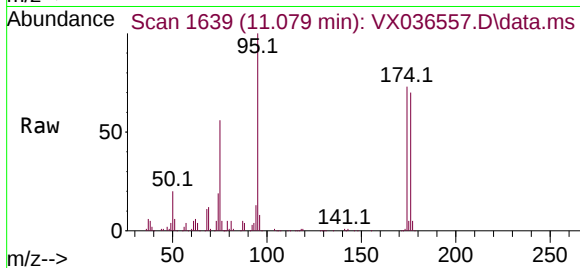
Tgt Ion:173 Resp: 682

Ion Ratio Lower Upper

173 100

175 561.0 38.1 57.1#

254 0.0 6.7 10.1#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX036557.D

Acq: 14 Jul 2023 12:35

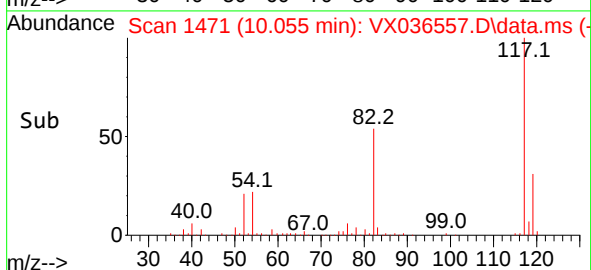
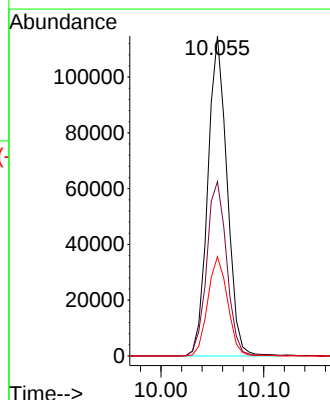
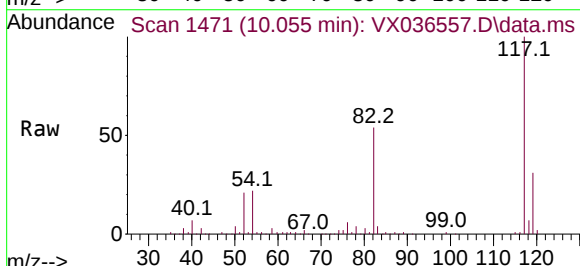
Tgt Ion:117 Resp: 149095

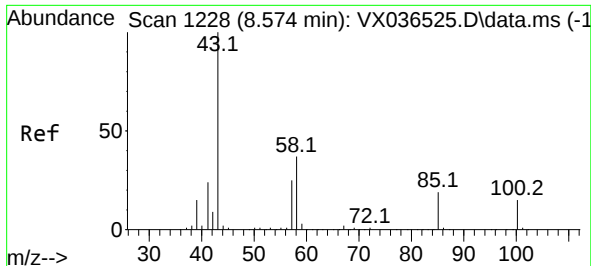
Ion Ratio Lower Upper

117 100

82 56.6 44.7 67.1

119 31.9 25.6 38.4





#58

4-Methyl-2-Pentanone

Concen: 0.921 ug/l

RT: 8.574 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX036557.D

Acq: 14 Jul 2023 12:35

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JULY)DL

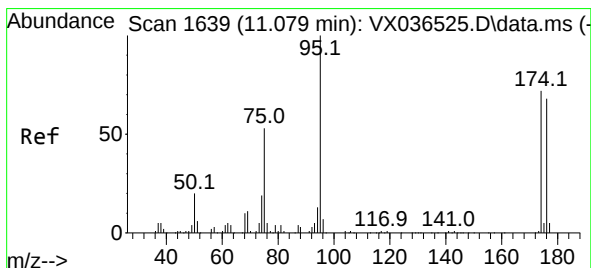
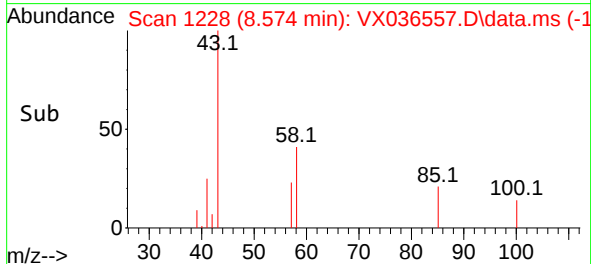
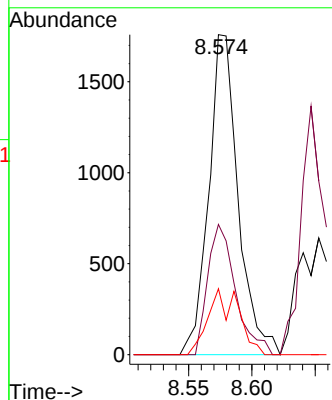
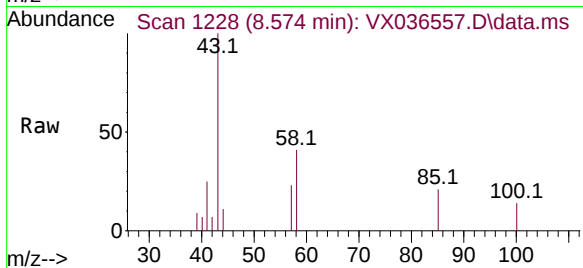
Tgt Ion: 43 Resp: 2841

Ion Ratio Lower Upper

43 100

58 38.6 30.9 46.3

85 12.6 14.4 21.6#



#60

4-Bromofluorobenzene

Concen: 28.878 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX036557.D

Acq: 14 Jul 2023 12:35

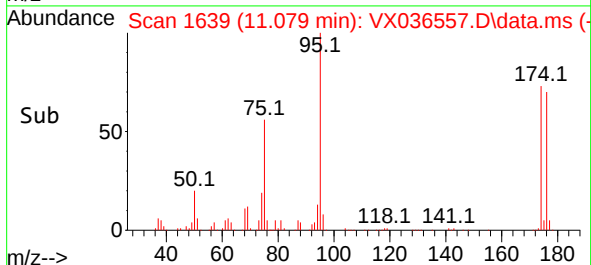
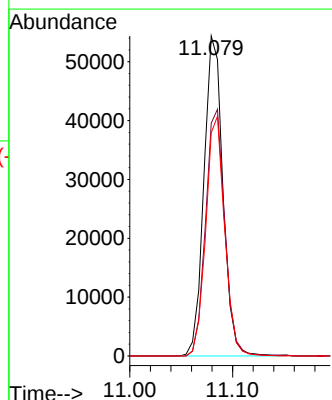
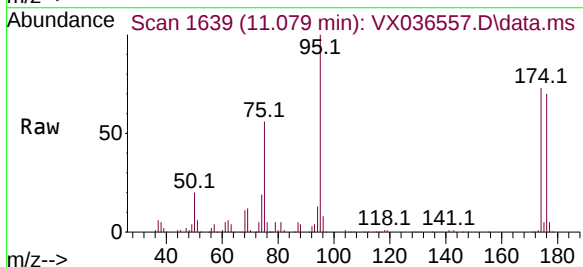
Tgt Ion: 95 Resp: 69841

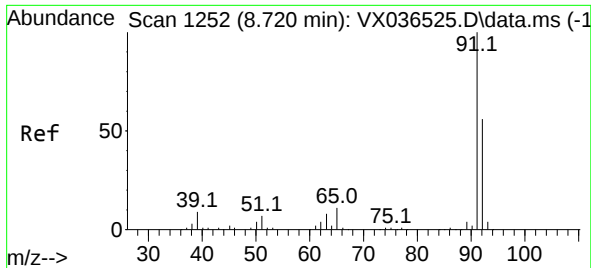
Ion Ratio Lower Upper

95 100

174 78.0 60.5 90.7

176 74.3 58.2 87.4

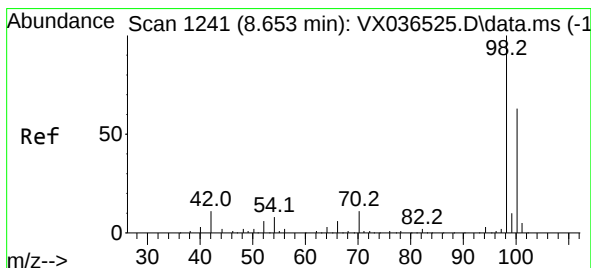
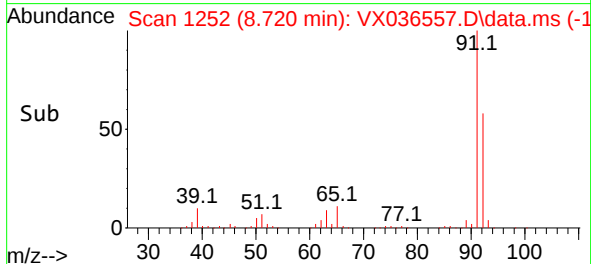
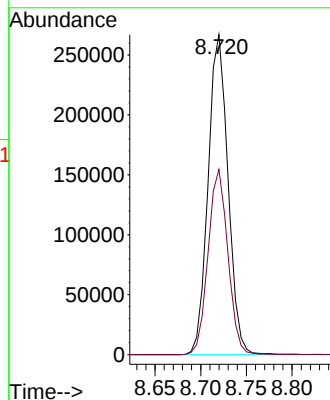
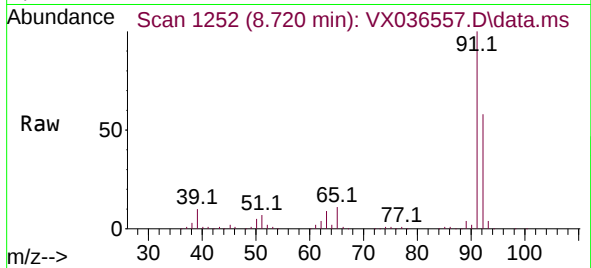




#62
Toluene
Concen: 48.259 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036557.D
Acq: 14 Jul 2023 12:35

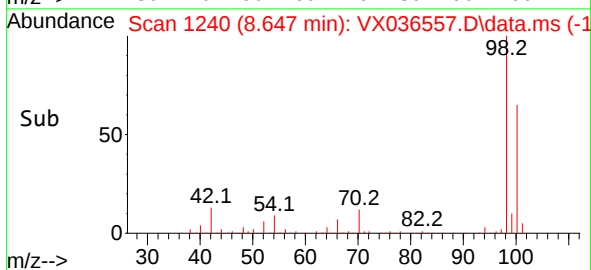
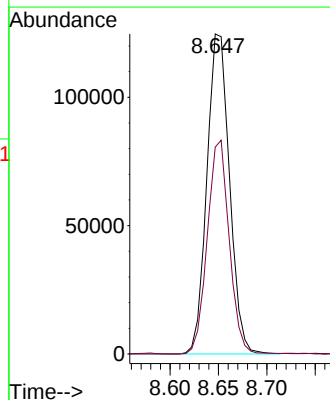
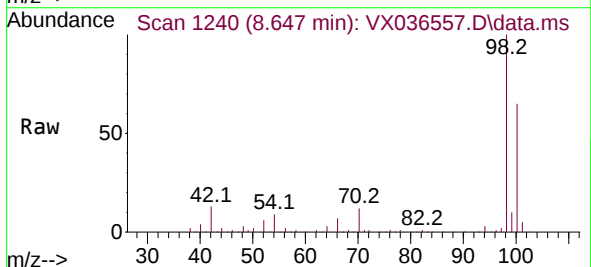
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JULY)DL

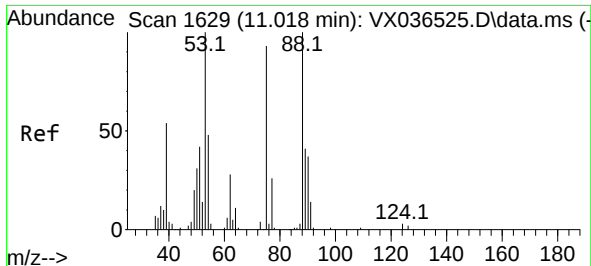
Tgt Ion: 91 Resp: 403710
Ion Ratio Lower Upper
91 100
92 57.4 44.9 67.3



#63
Toluene-d8
Concen: 29.619 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX036557.D
Acq: 14 Jul 2023 12:35

Tgt Ion: 98 Resp: 203212
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4

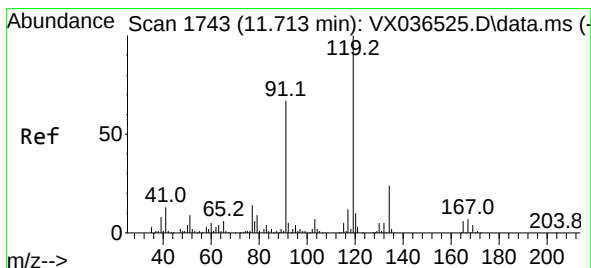
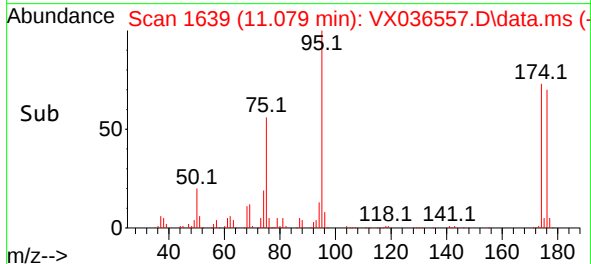
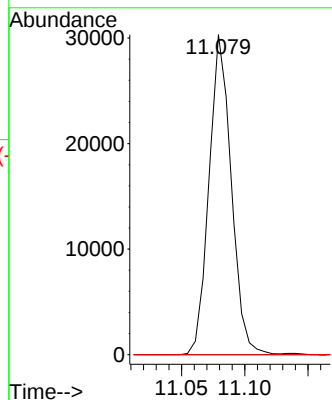
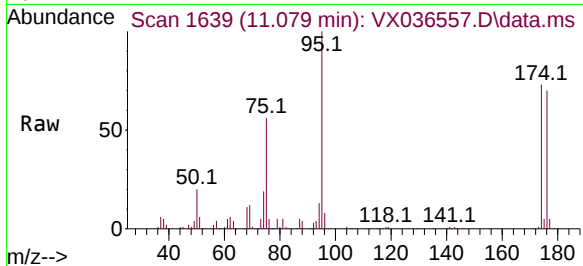




#77
t-1,4-Dichloro-2-butene
Concen: 38.087 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036557.D
Acq: 14 Jul 2023 12:35

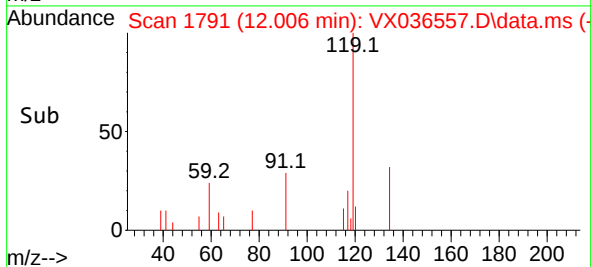
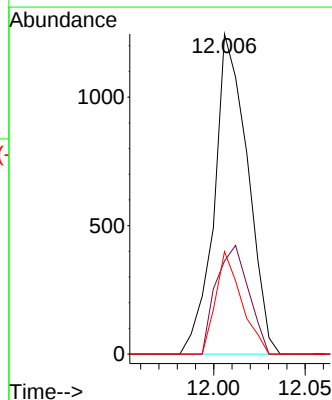
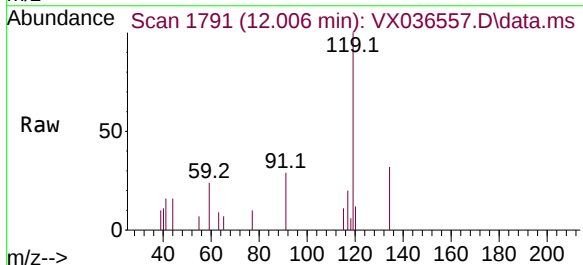
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JULY)DL

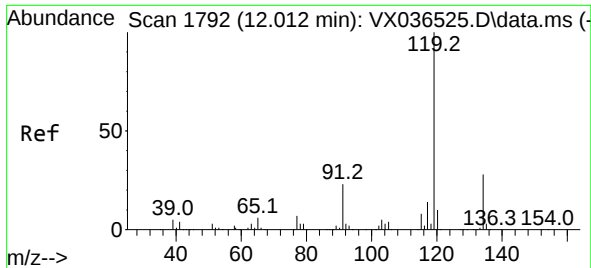
Tgt Ion: 75 Resp: 37060
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.1 66.1#



#79
tert-butylbenzene
Concen: 0.222 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.293 min
Lab File: VX036557.D
Acq: 14 Jul 2023 12:35

Tgt Ion: 119 Resp: 1583
Ion Ratio Lower Upper
119 100
91 33.1 0.0 124.4
134 24.7 0.0 47.2





#82

p-Isopropyltoluene

Concen: 0.212 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX036557.D

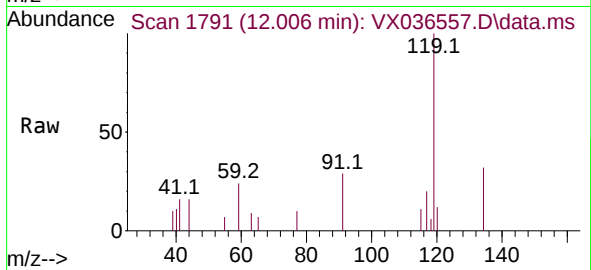
Acq: 14 Jul 2023 12:35

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JULY)DL



Tgt Ion:119 Resp: 1583

Ion Ratio Lower Upper

119 100

134 24.7 0.0 53.2

91 33.1 0.0 49.4

