

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
 Data File : VX036705.D
 Acq On : 28 Jul 2023 14:29
 Operator : JC/MD
 Sample : 03790-04DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jul 28 16:18:10 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)

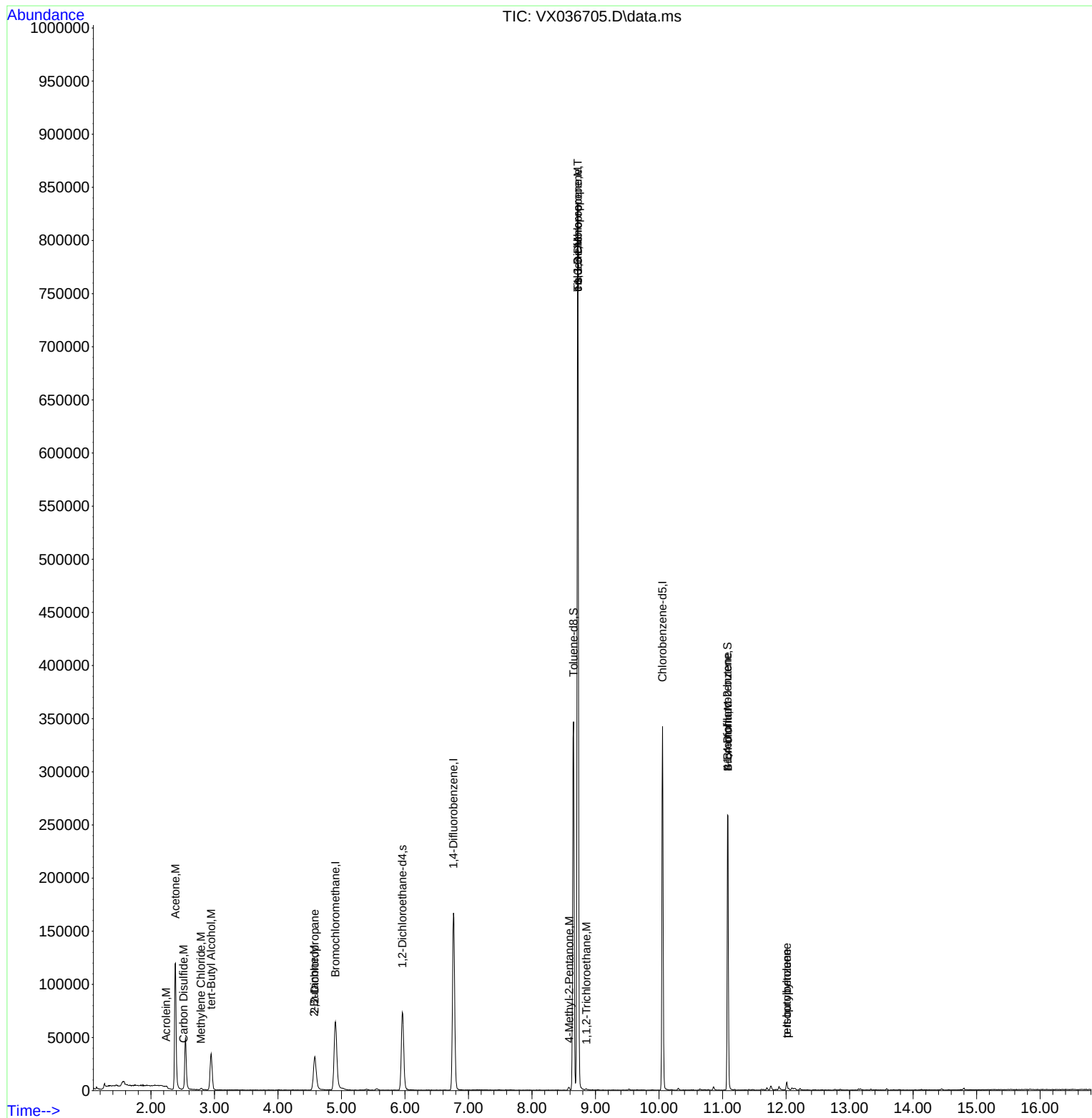
Internal Standards						
1) Bromochloromethane	4.903	128	28331	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	173790	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	150655	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	71138	30.254	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.833%
60) 4-Bromofluorobenzene	11.079	95	71312	29.181	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.267%
63) Toluene-d8	8.653	98	205164	29.594	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.633%
Target Compounds						
					Qvalue	
13) Acrolein	2.239	56	77	0.241	ug/l	83
15) Acetone	2.385	58	42198	136.449	ug/l	94
16) Carbon Disulfide	2.514	76	848	0.211	ug/l	98
18) Methylene Chloride	2.788	84	682	0.342	ug/l #	84
23) tert-Butyl Alcohol	2.946	59	20031	39.489	ug/l #	1
30) 2-Butanone	4.568	43	9646	5.846	ug/l	95
31) 2,2-Dichloropropane	4.574	77	2140	0.745	ug/l #	52
48) t-1,3-Dichloropropene	8.720	75	3660	1.159	ug/l #	1
49) cis-1,3-Dichloropropene	8.720	75	3660	1.073	ug/l #	1
50) 1,1,2-Trichloroethane	8.854	97	442	0.205	ug/l #	14
56) Bromoform	11.085	173	346	0.229	ug/l #	1
58) 4-Methyl-2-Pentanone	8.586	43	1702	0.546	ug/l #	96
62) Toluene	8.720	91	524994	62.108	ug/l	97
77) t-1,4-Dichloro-2-butene	11.079	75	37567	38.208	ug/l #	7
79) tert-butylbenzene	12.012	119	3151	0.436	ug/l	64
82) p-Isopropyltoluene	12.012	119	3151	0.417	ug/l	93

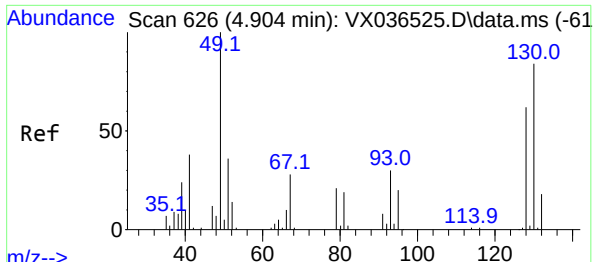
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
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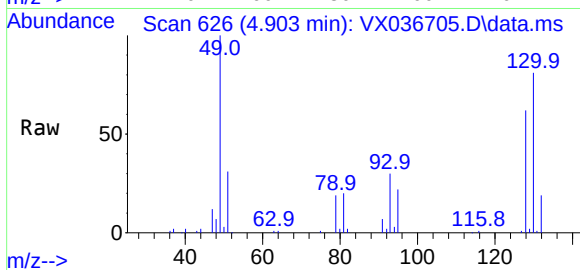
Quant Time: Jul 28 16:18:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 14 04:32:22 2023
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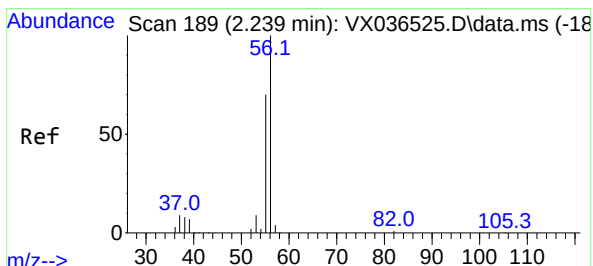
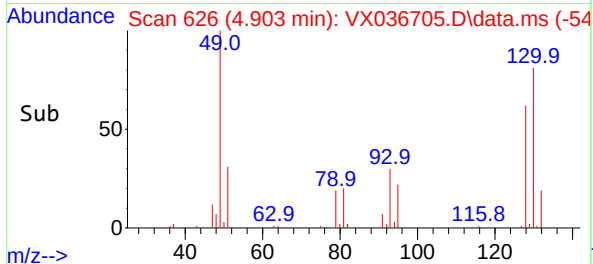
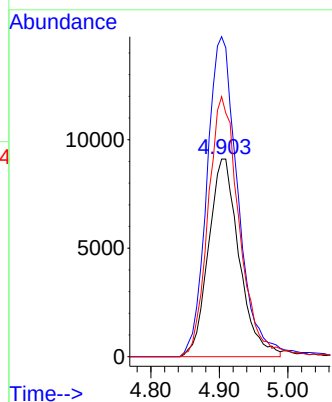


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

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

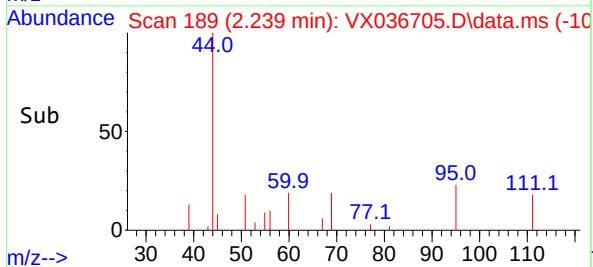
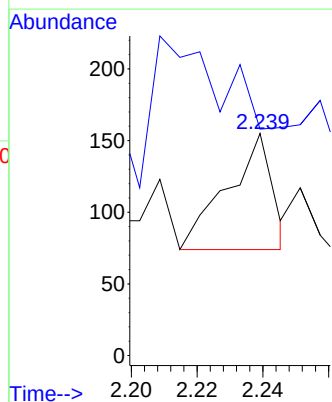
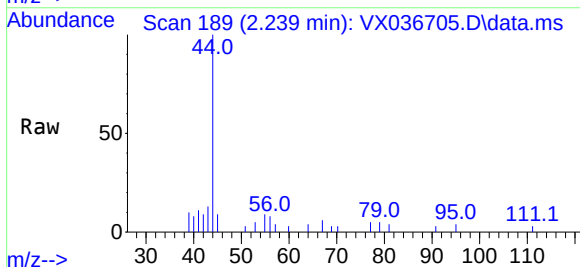


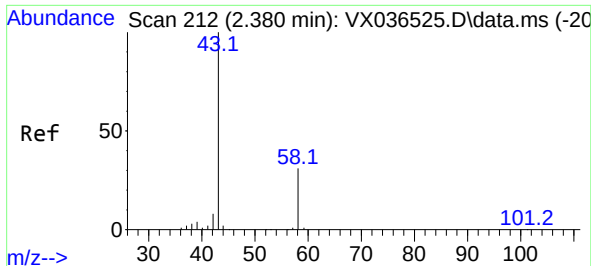
Tgt Ion:128 Resp: 28331
Ion Ratio Lower Upper
128 100
49 163.9 0.0 406.3
130 131.4 0.0 328.0



#13
Acrolein
Concen: 0.241 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 59.7 59.7 89.5





#15

Acetone

Concen: 136.449 ug/l

RT: 2.385 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX036705.D

Acq: 28 Jul 2023 14:29

Instrument :

MSVOA_X

ClientSampleId :

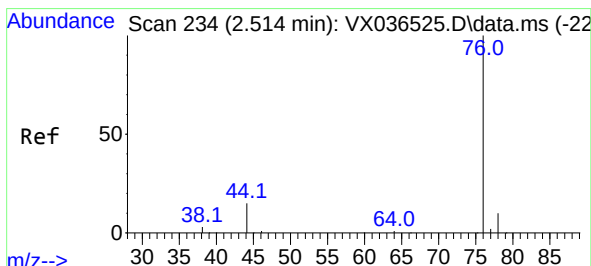
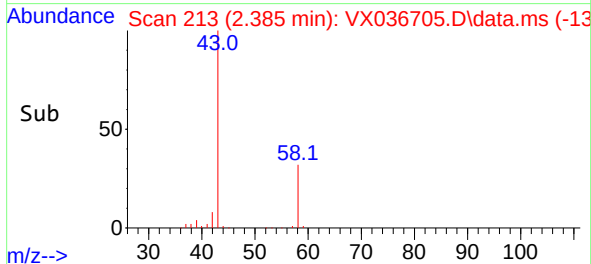
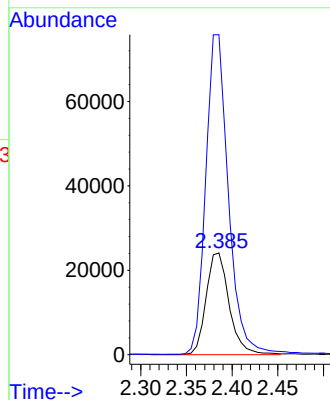
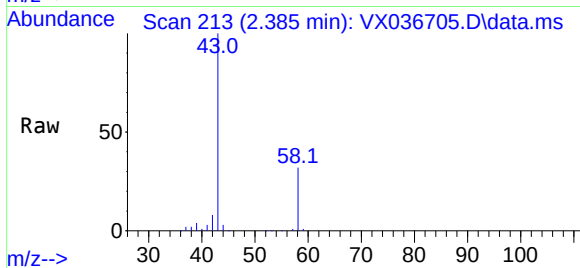
002-35TH-AVE-(JULY)DL

Tgt Ion: 58 Resp: 42198

Ion Ratio Lower Upper

58 100

43 314.1 261.0 391.4



#16

Carbon Disulfide

Concen: 0.211 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX036705.D

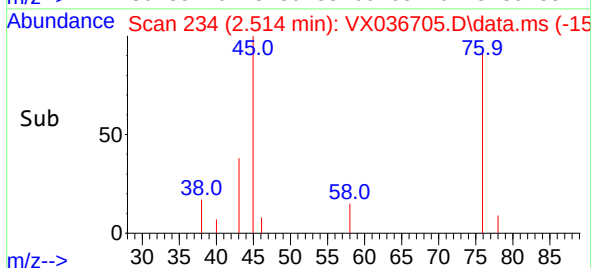
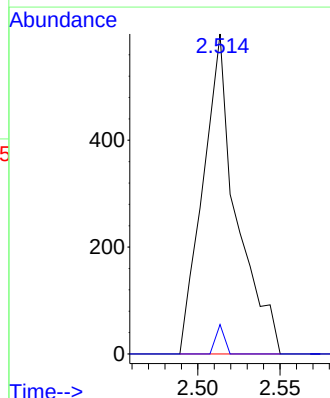
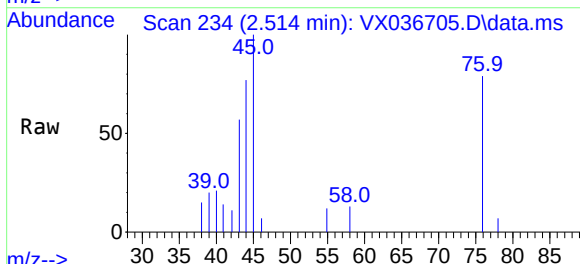
Acq: 28 Jul 2023 14:29

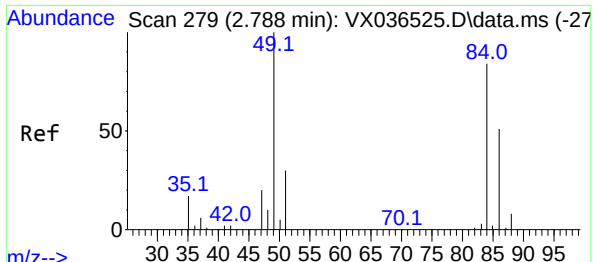
Tgt Ion: 76 Resp: 848

Ion Ratio Lower Upper

76 100

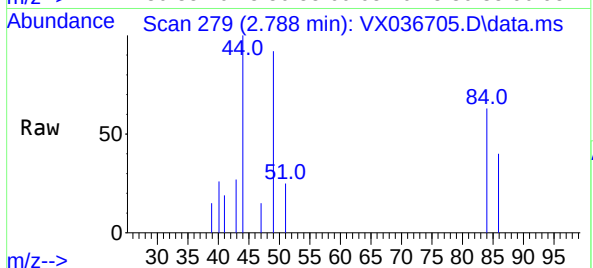
78 9.2 8.0 12.0





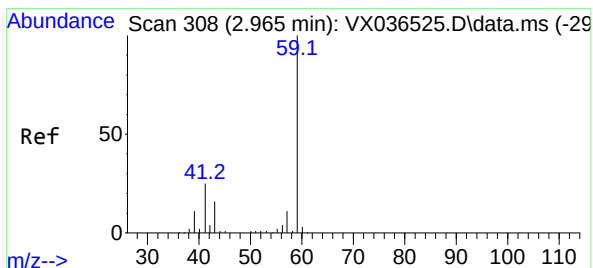
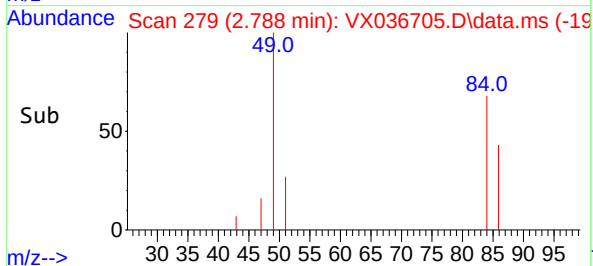
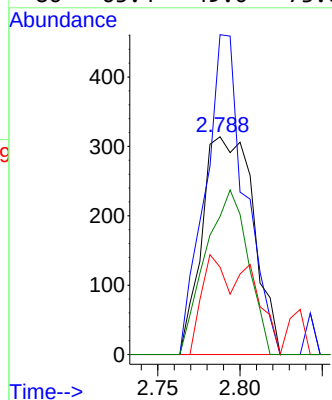
#18
Methylene Chloride
Concen: 0.342 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

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



Tgt Ion: 84 Resp: 682

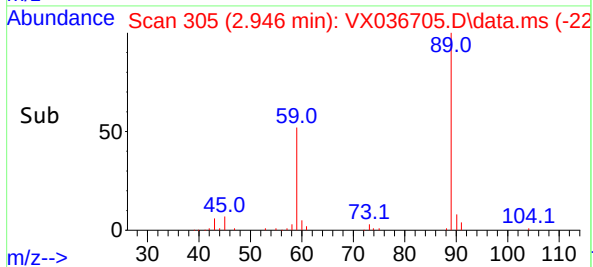
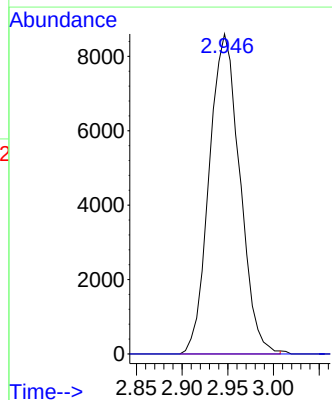
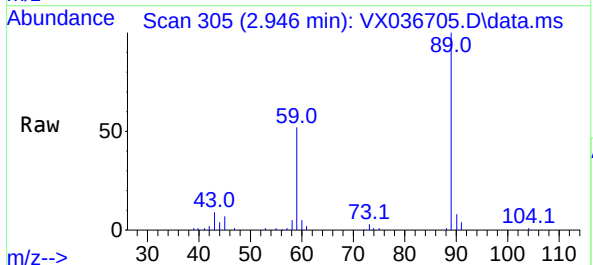
Ion	Ratio	Lower	Upper
84	100		
49	146.8	95.4	143.0#
51	40.1	28.3	42.5
86	63.4	49.0	73.6

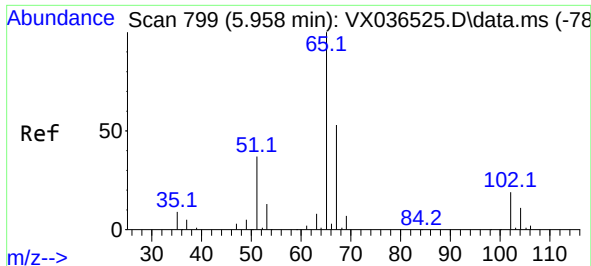


#23
tert-Butyl Alcohol
Concen: 39.489 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.019 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

Tgt Ion: 59 Resp: 20031

Ion	Ratio	Lower	Upper
59	100		
52	0.0	142.6	213.8#

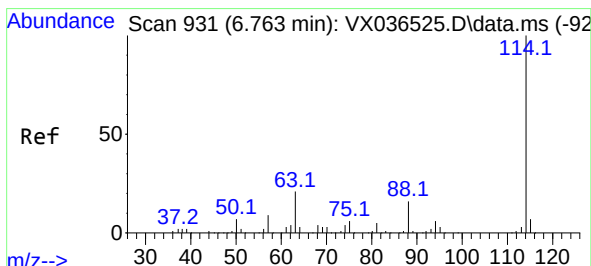
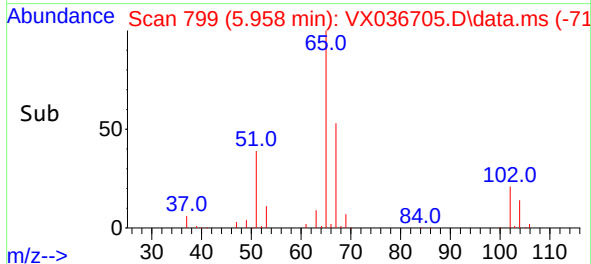
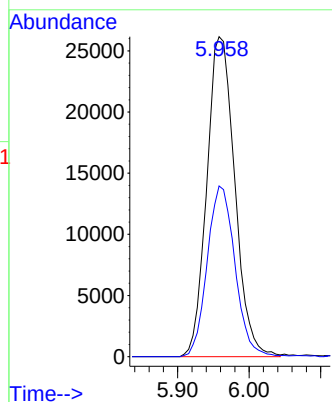
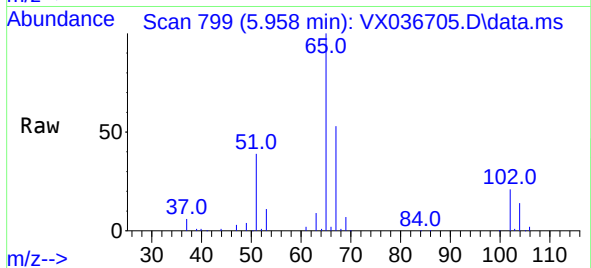




#27
1,2-Dichloroethane-d4
Concen: 30.254 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

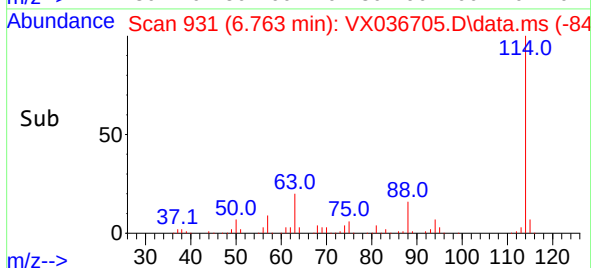
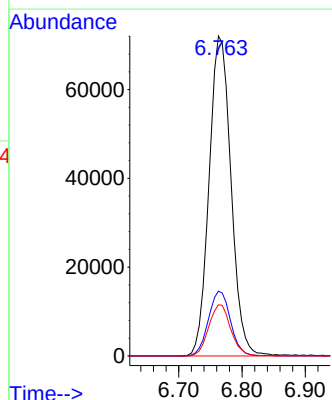
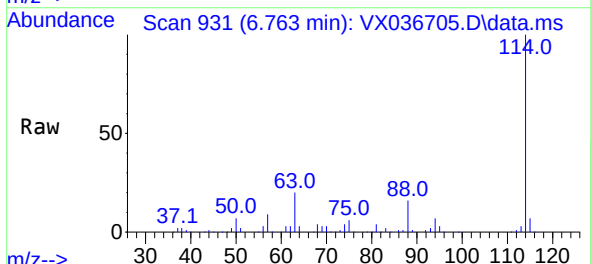
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)DL

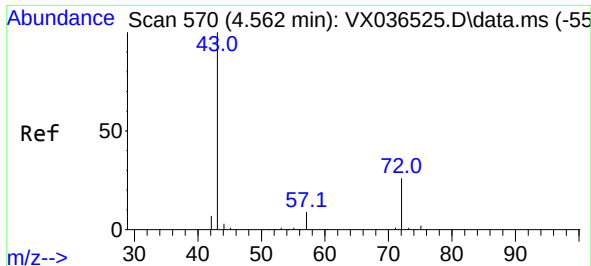
Tgt Ion: 65 Resp: 71138
Ion Ratio Lower Upper
65 100
67 52.8 42.1 63.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

Tgt Ion: 114 Resp: 173790
Ion Ratio Lower Upper
114 100
63 20.4 16.6 24.8
88 16.0 12.9 19.3

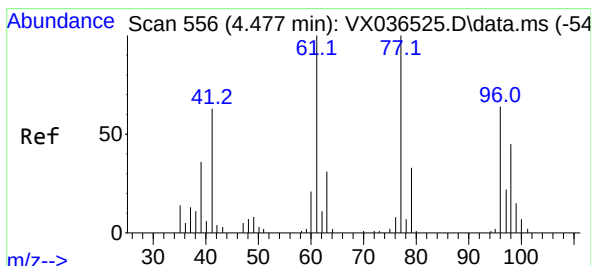
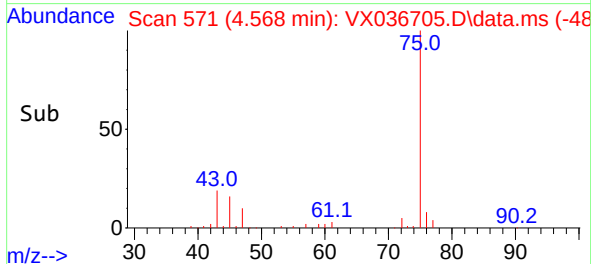
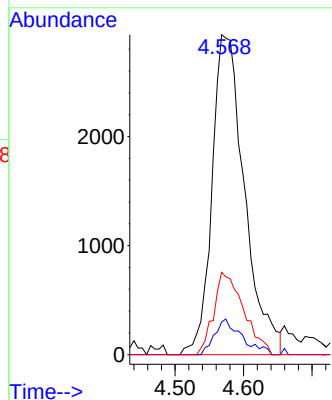
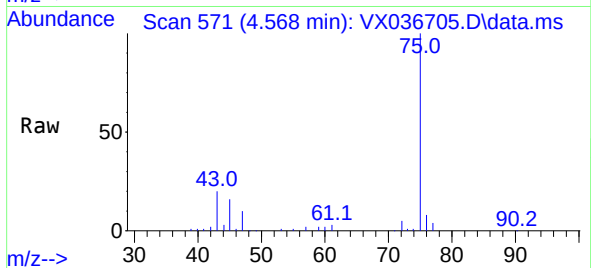




#30
2-Butanone
Concen: 5.846 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

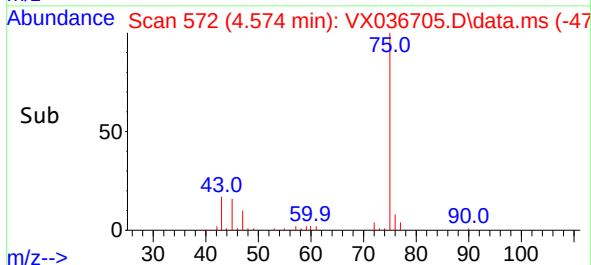
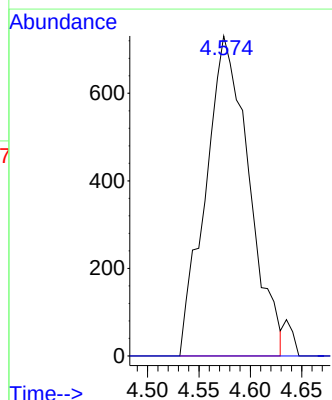
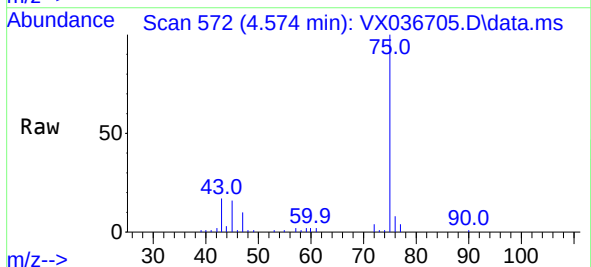
Instrument :
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ClientSampleId :
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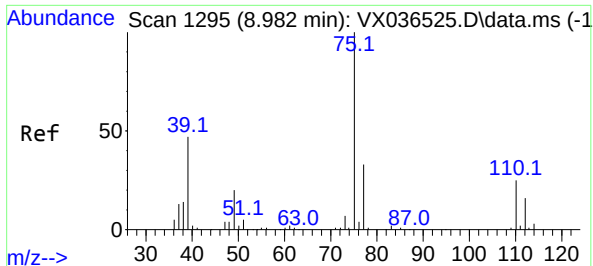
Tgt Ion: 43 Resp: 9646
Ion Ratio Lower Upper
43 100
57 8.3 6.4 9.6
72 23.8 21.6 32.4



#31
2,2-Dichloropropane
Concen: 0.745 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.097 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

Tgt Ion: 77 Resp: 2140
Ion Ratio Lower Upper
77 100
97 0.0 18.6 27.8#

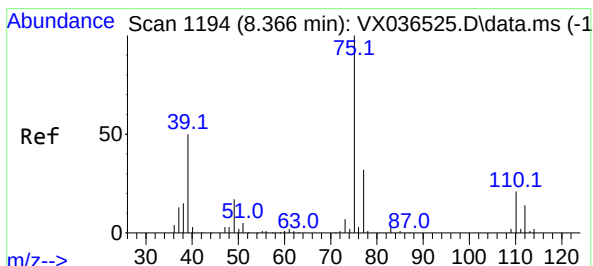
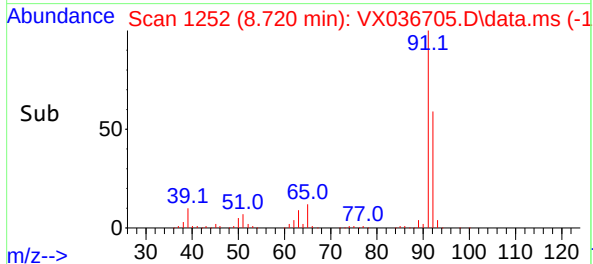
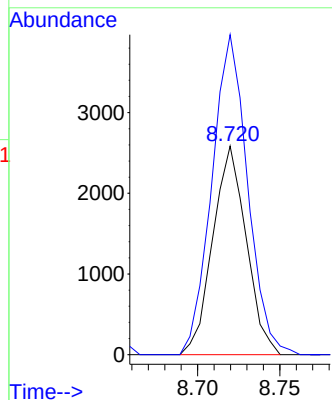
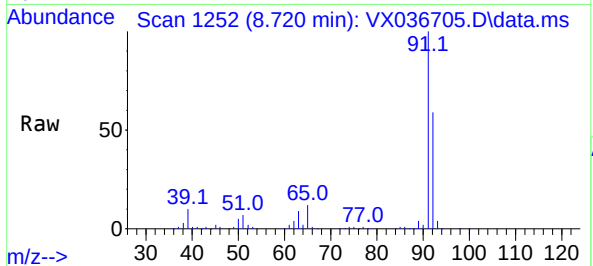




#48
t-1,3-Dichloropropene
Concen: 1.159 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.262 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

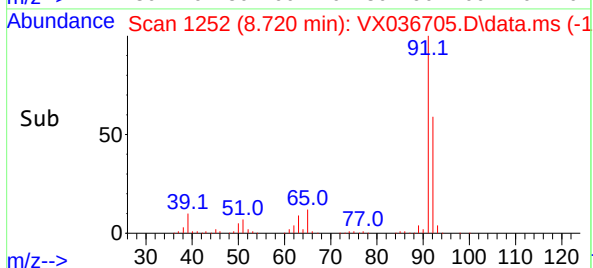
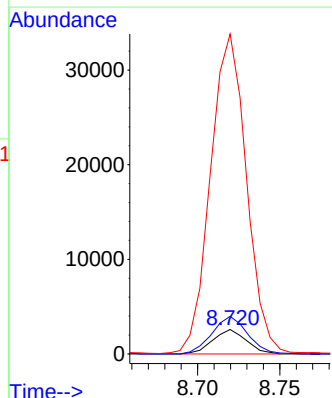
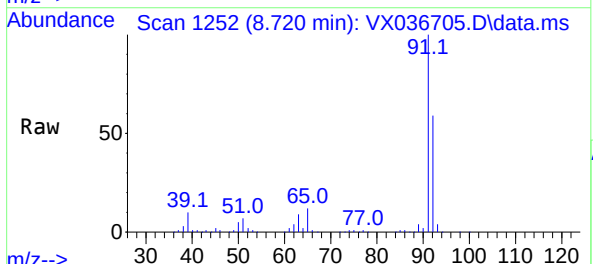
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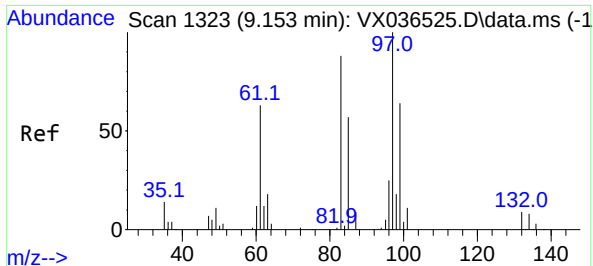
Tgt Ion: 75 Resp: 3660
Ion Ratio Lower Upper
75 100
77 153.4 26.8 40.2#



#49
cis-1,3-Dichloropropene
Concen: 1.073 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.353 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

Tgt Ion: 75 Resp: 3660
Ion Ratio Lower Upper
75 100
77 153.4 25.4 38.2#
39 1294.4 40.2 60.4#

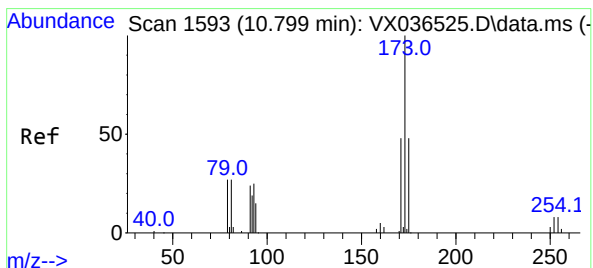
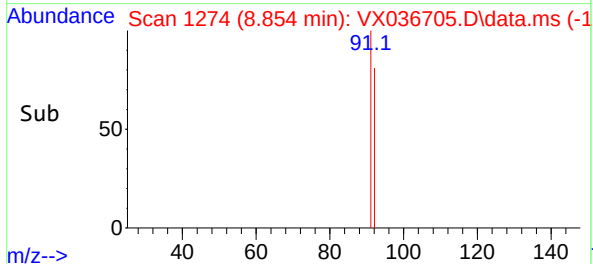
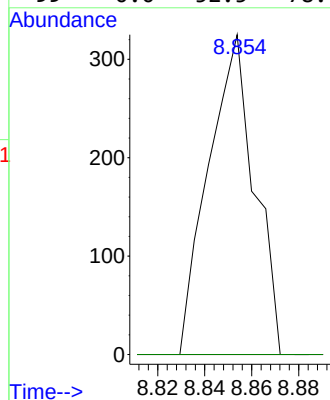
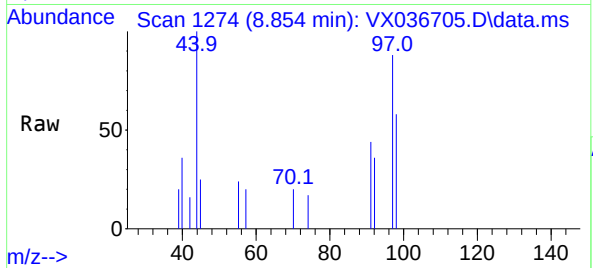




#50
1,1,2-Trichloroethane
Concen: 0.205 ug/l
RT: 8.854 min Scan# 11
Delta R.T. -0.299 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

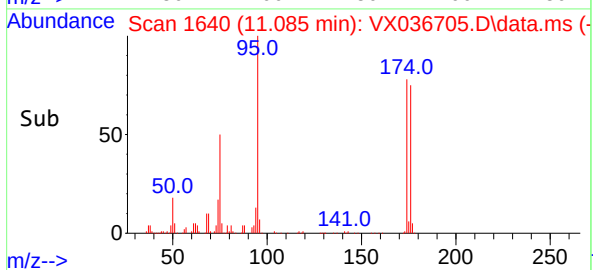
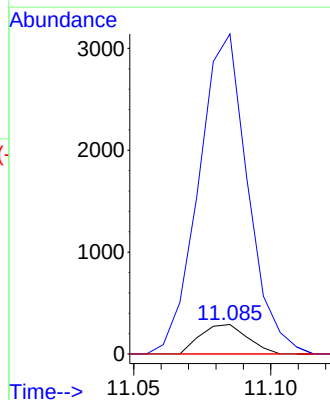
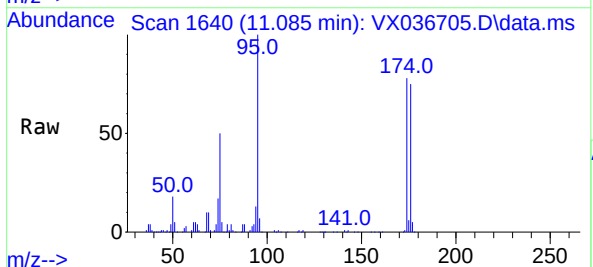
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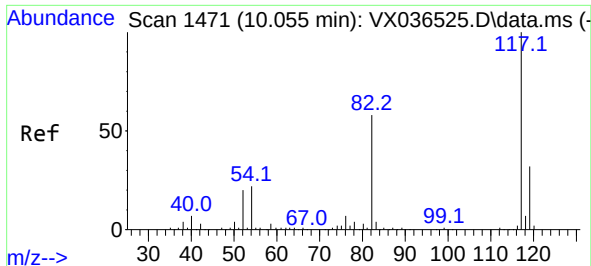
Tgt Ion: 97	Resp: 442
Ion Ratio	Lower Upper
97 100	
83 0.0	70.0 105.0#
85 0.0	46.1 69.1#
99 0.0	52.5 78.7#



#56
Bromoform
Concen: 0.229 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.286 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

Tgt Ion:173	Resp:	346	
Ion	Ratio	Lower	Upper
173	100		
175	1133.5	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: VX036705.D

Acq: 28 Jul 2023 14:29

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE-(JULY)DL

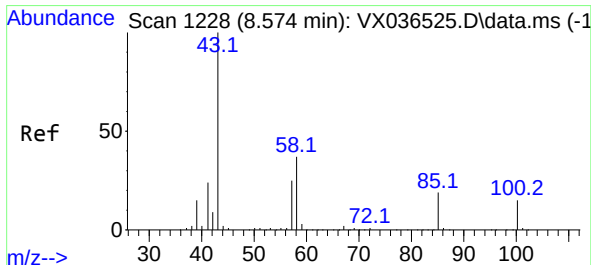
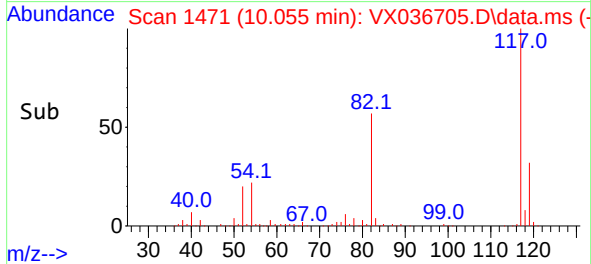
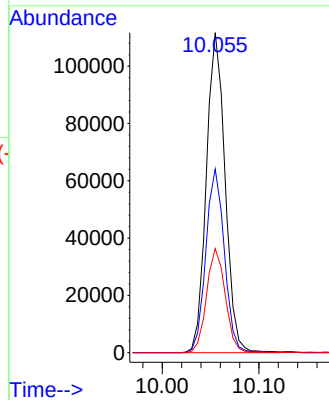
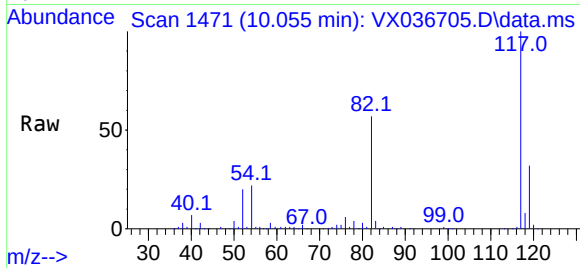
Tgt Ion:117 Resp: 150655

Ion Ratio Lower Upper

117 100

82 57.0 44.7 67.1

119 32.5 25.6 38.4



#58

4-Methyl-2-Pentanone

Concen: 0.546 ug/l

RT: 8.586 min Scan# 1230

Delta R.T. 0.012 min

Lab File: VX036705.D

Acq: 28 Jul 2023 14:29

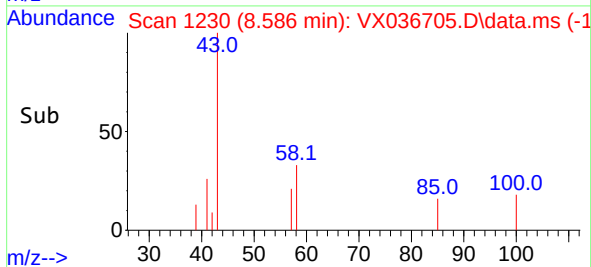
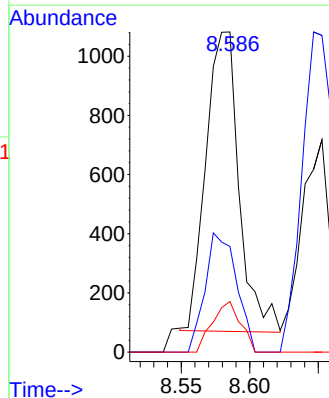
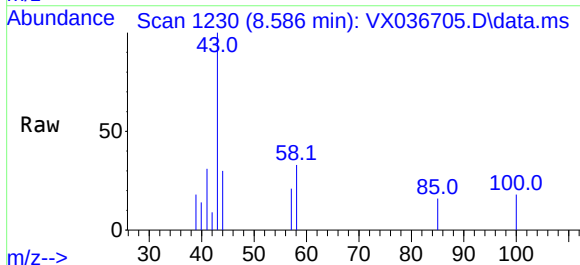
Tgt Ion: 43 Resp: 1702

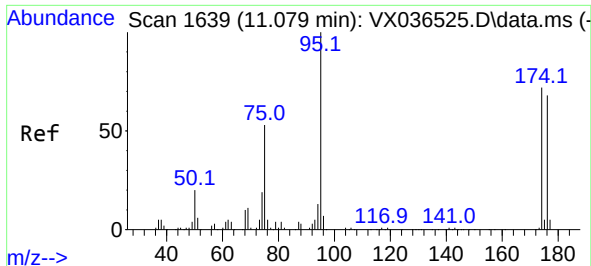
Ion Ratio Lower Upper

43 100

58 37.6 30.9 46.3

85 14.3 14.4 21.6#

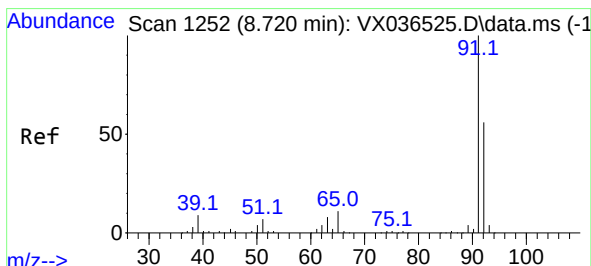
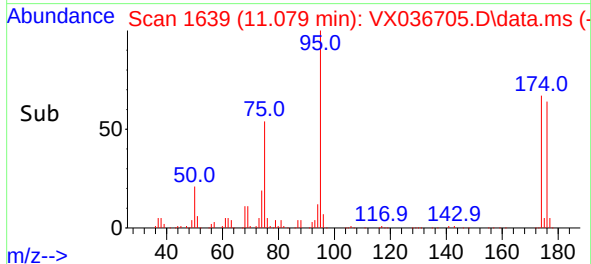
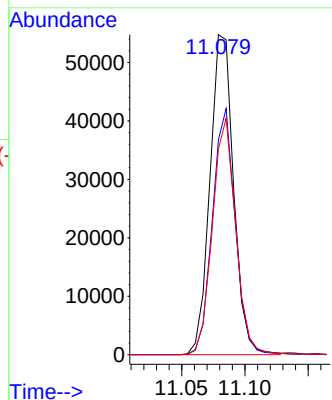
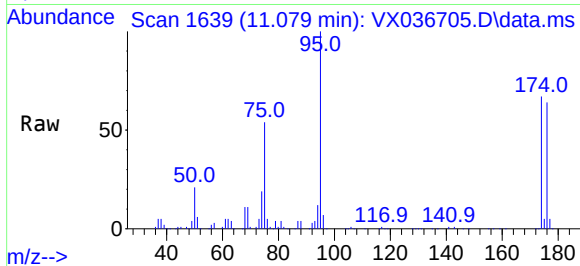




#60
4-Bromofluorobenzene
Concen: 29.181 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

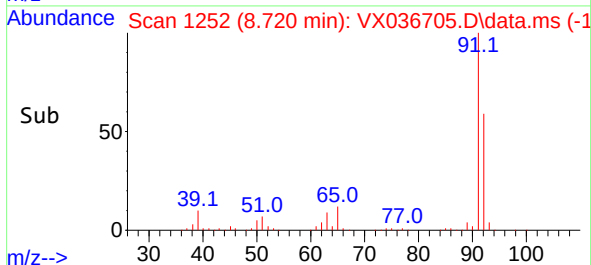
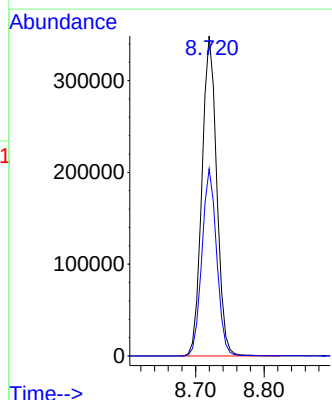
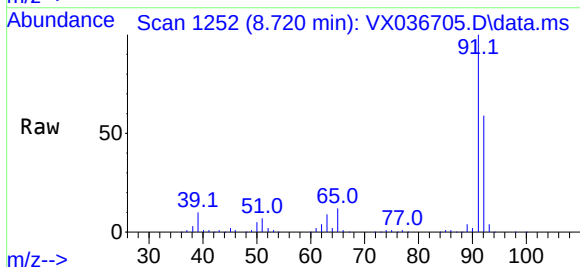
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)DL

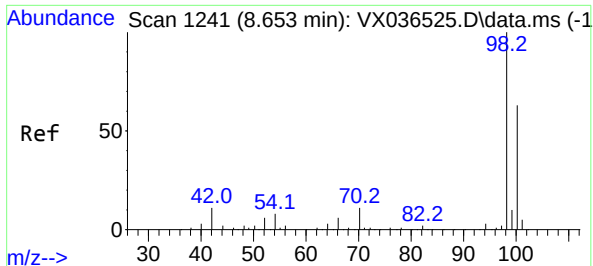
Tgt Ion: 95 Resp: 71312
Ion Ratio Lower Upper
95 100
174 74.2 60.5 90.7
176 72.4 58.2 87.4



#62
Toluene
Concen: 62.108 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

Tgt Ion: 91 Resp: 524994
Ion Ratio Lower Upper
91 100
92 58.3 44.9 67.3

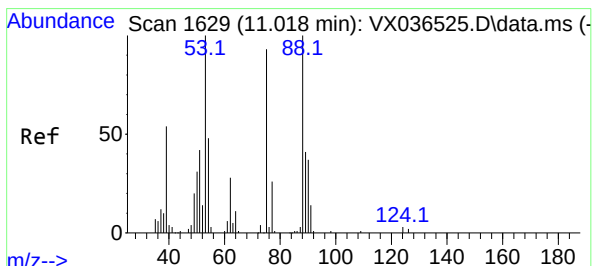
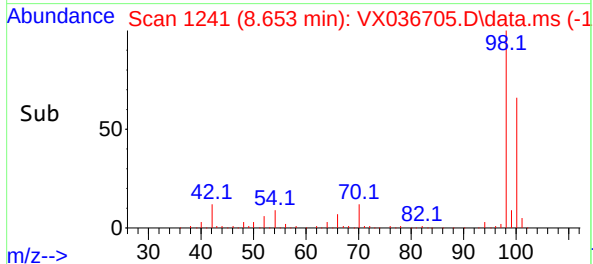
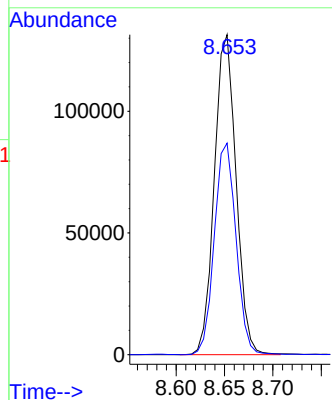
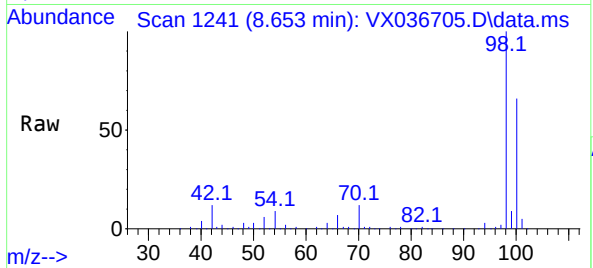




#63
Toluene-d8
Concen: 29.594 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

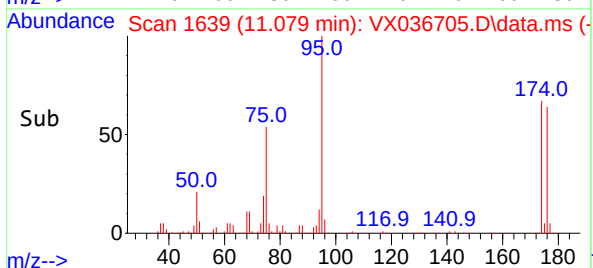
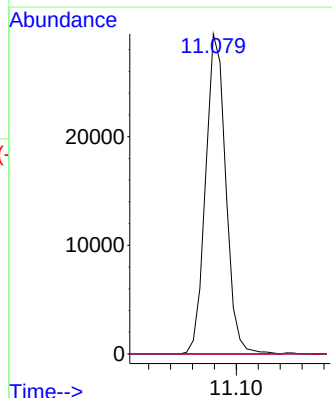
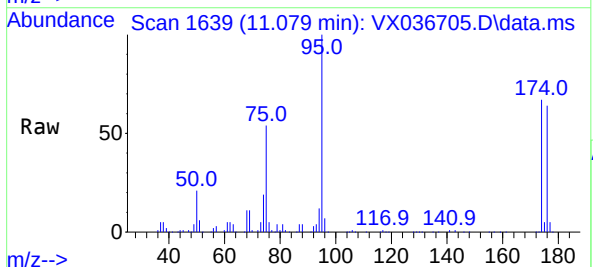
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)DL

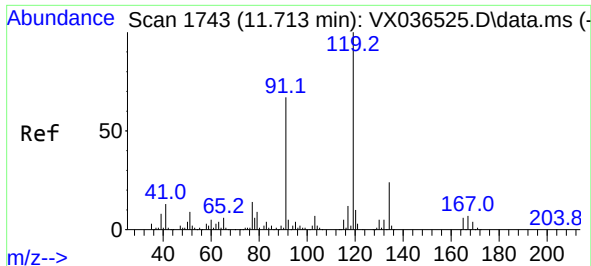
Tgt Ion: 98 Resp: 205164
Ion Ratio Lower Upper
98 100
100 66.1 51.6 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 38.208 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

Tgt Ion: 75 Resp: 37567
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.1 66.1#

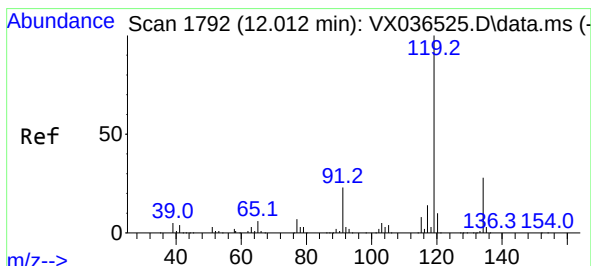
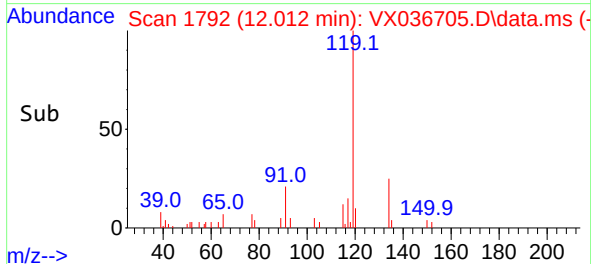
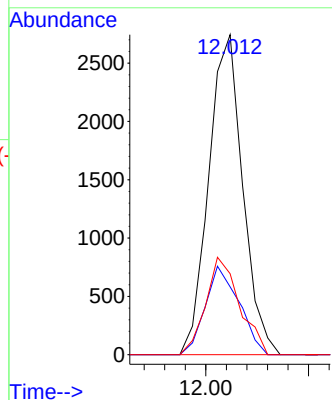
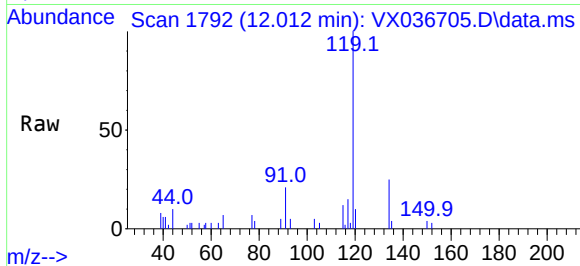




#79
tert-butylbenzene
Concen: 0.436 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.298 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

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

Tgt Ion:	119	Resp:	3151
Ion	Ratio	Lower	Upper
119	100		
91	27.6	0.0	124.4
134	30.3	0.0	47.2



#82
p-Isopropyltoluene
Concen: 0.417 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX036705.D
Acq: 28 Jul 2023 14:29

Tgt Ion:	119	Resp:	3151
Ion	Ratio	Lower	Upper
119	100		
134	30.3	0.0	53.2
91	27.6	0.0	49.4

