

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012825\
 Data File : VX044753.D
 Acq On : 28 Jan 2025 18:40
 Operator : JC/MD
 Sample : Q1148-05
 Misc : 10.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 29 07:43:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 28 12:04:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	265580	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	232399	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	105591	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	46735	23.378	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	46.760%#
7) Chloroethane-d5	1.648	69	8796	11.582	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	23.160%#
11) 1,1-Dichloroethene-d2	2.276	65	36495	42.708	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.420%
21) 2-Butanone-d5	4.495	46	74483	87.152	ug/L	0.04
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.150%
24) Chloroform-d	5.050	84	149794	42.641	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.280%
26) 1,2-Dichloroethane-d4	5.952	65	95408	45.247	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.500%
32) Benzene-d6	5.964	84	325643	44.814	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.620%
36) 1,2-Dichloropropane-d6	7.306	67	101665	44.201	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.400%
41) Toluene-d8	8.647	98	282731	43.961	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.920%
43) trans-1,3-Dichloroprop...	8.946	79	48395	44.358	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.720%
47) 2-Hexanone-d5	9.391	63	64982	95.463	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.460%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	140283	49.082	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.160%
66) 1,2-Dichlorobenzene-d4	12.317	152	94235	45.611	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.220%
Target Compounds						
					Qvalue	
13) Acetone	2.410	43	311081	365.021	ug/L	99
15) Methyl Acetate	2.715	43	26930	13.655	ug/L	100
16) Methylene chloride	2.776	84	187132	99.398	ug/L	98
17) trans-1,2-Dichloroethene	3.075	96	85095	49.420	ug/L	98
18) Methyl tert-butyl Ether	3.130	73	1176469	198.173	ug/L	99
20) cis-1,2-Dichloroethene	4.477	96	232556	112.829	ug/L	99
22) 2-Butanone	4.587	43	145630	103.630	ug/L	97
27) 1,2-Dichloroethane	6.080	62	202466	79.003	ug/L	97
31) Carbon tetrachloride	5.666	117	435695	172.790	ug/L	99
33) Benzene	6.025	78	1357508	177.246	ug/L	100
34) Trichloroethene	7.117	95	356301	182.812	ug/L	99
38) Bromodichloromethane	7.818	83	468926	180.358	ug/L	99
39) cis-1,3-Dichloropropene	8.366	75	189013	56.199	ug/L	100
40) 4-Methyl-2-pentanone	8.580	43	655211	239.252	ug/L	99
42) Toluene	8.714	91	1179368	150.091	ug/L	99
45) 1,1,2-Trichloroethane	9.147	97	307324	158.934	ug/L	99
46) Tetrachloroethene	9.269	164	105925	76.533	ug/L	98
48) 2-Hexanone	9.433	43	394342	200.957	ug/L	99
49) Dibromochloromethane	9.519	129	151770	77.826	ug/L	99

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

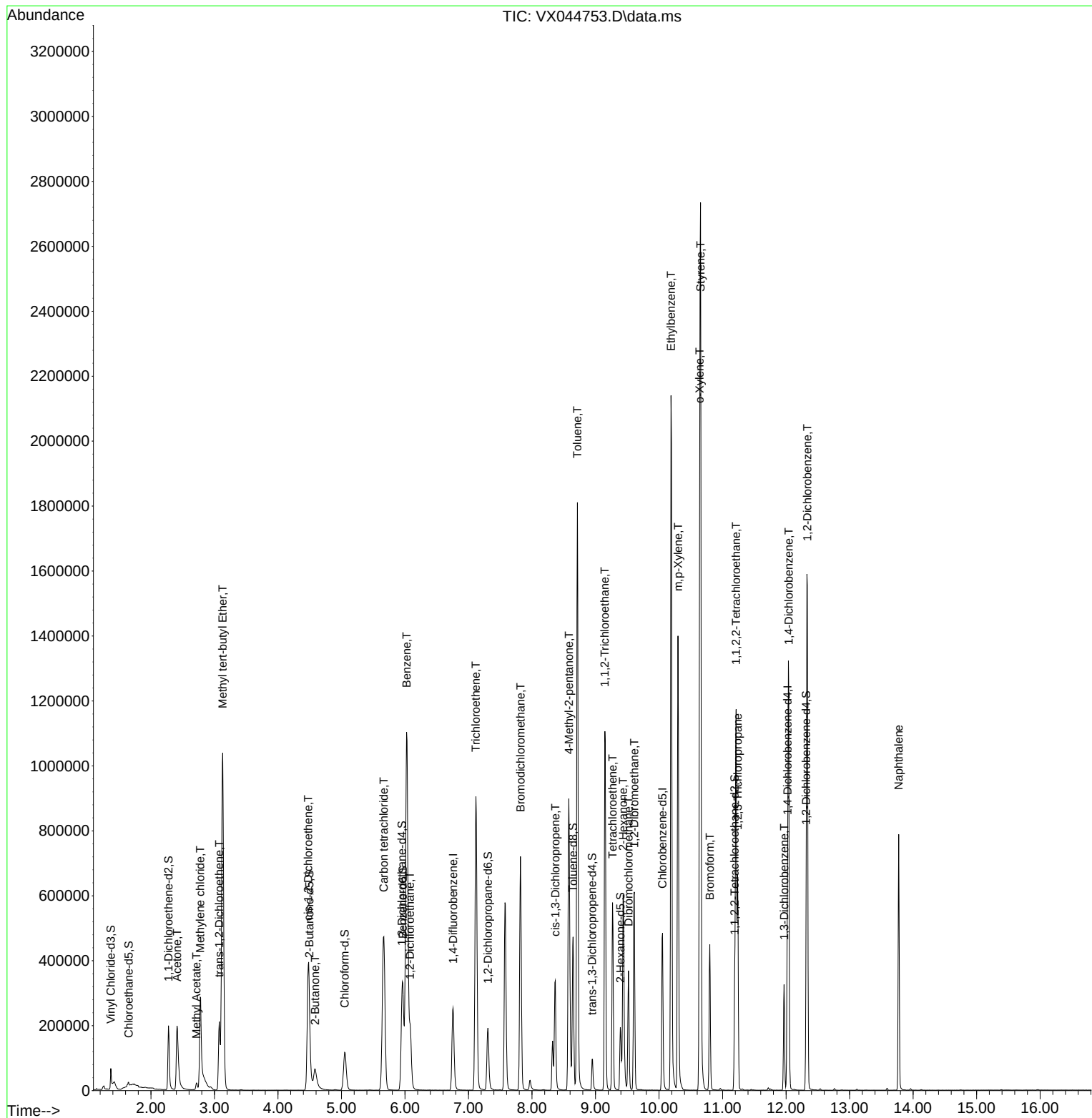
50) 1,2-Dibromoethane	9.610	107	358376	176.832	ug/L	98
52) Ethylbenzene	10.189	91	1320738	153.769	ug/L	99
53) m,p-Xylene	10.299	106	340600	105.627	ug/L	98
54) o-Xylene	10.640	106	299611	94.265	ug/L	100
55) Styrene	10.653	104	924747	176.285	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	472654	157.542	ug/L	99
59) Bromoform	10.799	173	158286	113.321	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	204163	87.578	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	102196	29.315	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	397001	114.408	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	469406	135.812	ug/L	98
71) Naphthalene	13.774	128	460542	57.661	ug/L	100

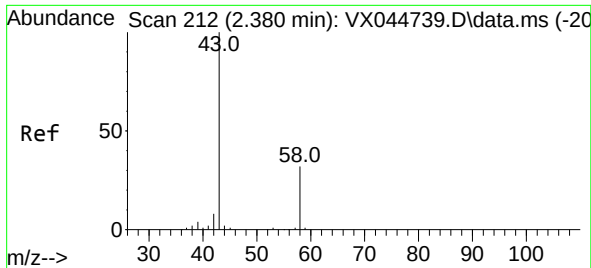
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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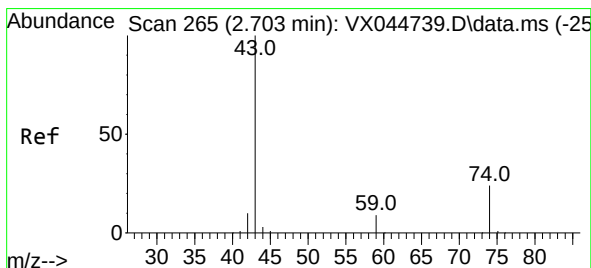
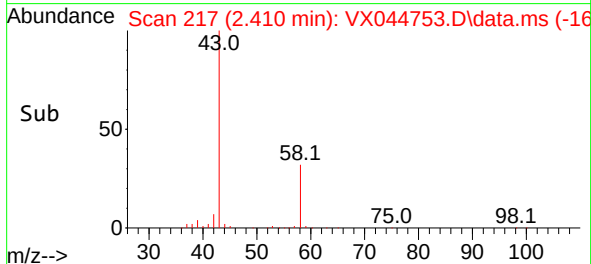
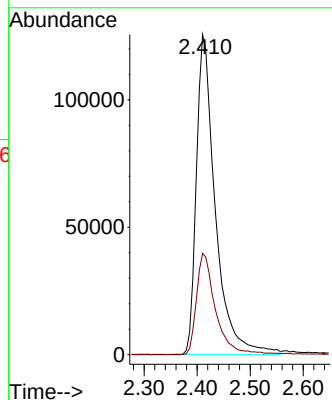
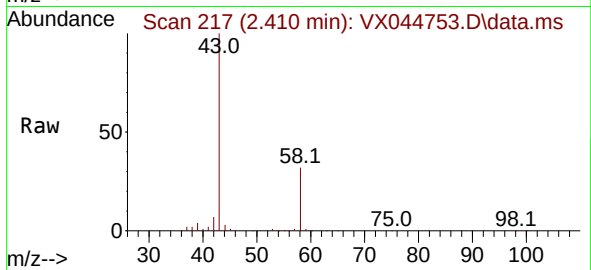




#13
Acetone
Concen: 365.021 ug/L
RT: 2.410 min Scan# 21
Delta R.T. 0.030 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

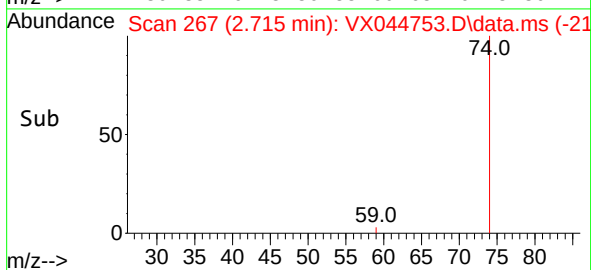
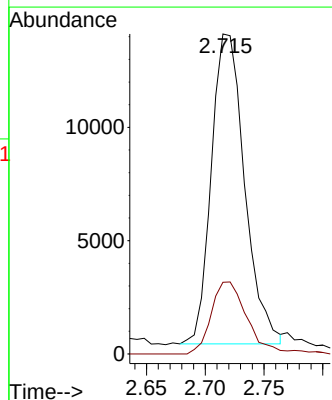
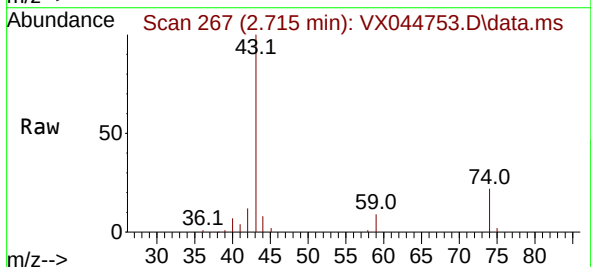
Instrument :
MSVOA_X
ClientSampleId :

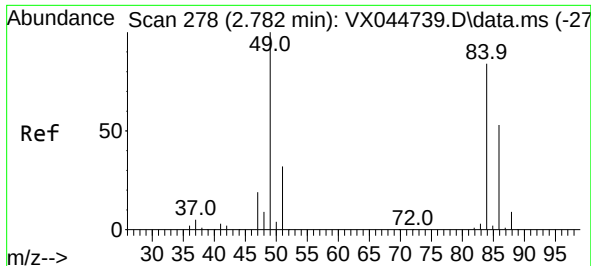
Tgt Ion: 43 Resp: 311081
Ion Ratio Lower Upper
43 100
58 31.7 0.0 64.6



#15
Methyl Acetate
Concen: 13.655 ug/L
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

Tgt Ion: 43 Resp: 26930
Ion Ratio Lower Upper
43 100
74 24.7 19.7 29.5

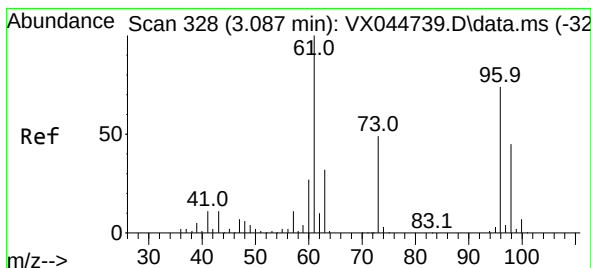
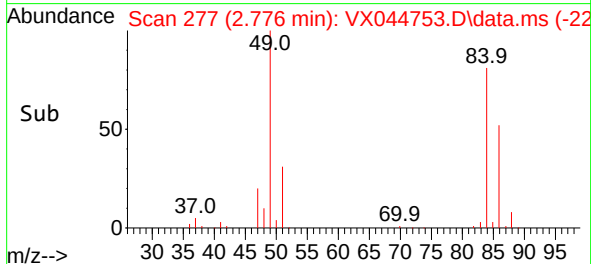
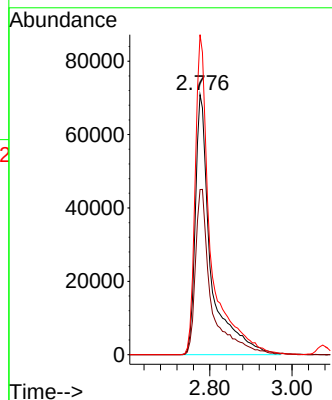
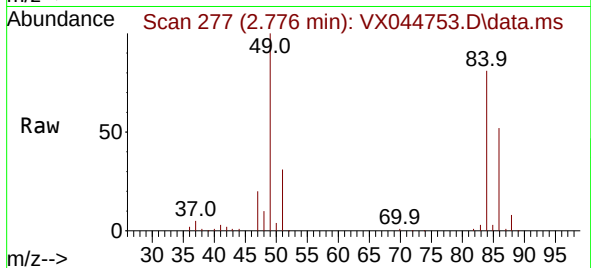




#16
Methylene chloride
Concen: 99.398 ug/L
RT: 2.776 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

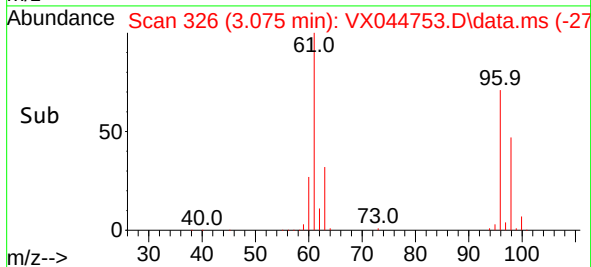
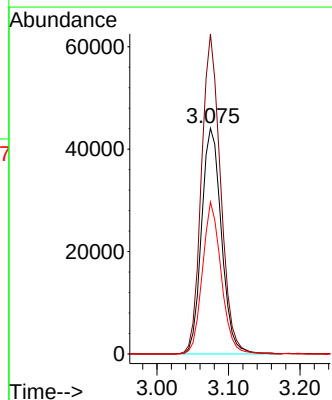
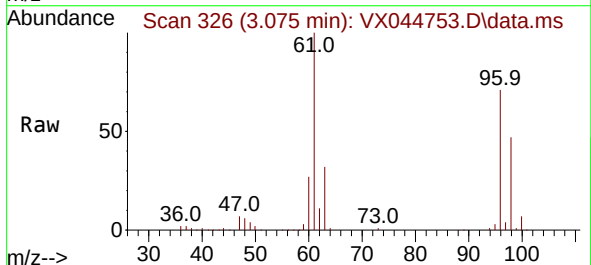
Instrument :
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ClientSampleId :

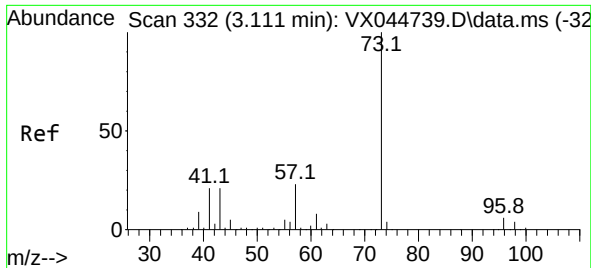
Tgt Ion: 84 Resp: 187132
Ion Ratio Lower Upper
84 100
86 63.5 45.6 84.8
49 123.1 84.6 157.0



#17
trans-1,2-Dichloroethene
Concen: 49.420 ug/L
RT: 3.075 min Scan# 326
Delta R.T. -0.012 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

Tgt Ion: 96 Resp: 85095
Ion Ratio Lower Upper
96 100
61 141.7 98.3 182.7
98 67.3 44.1 81.9

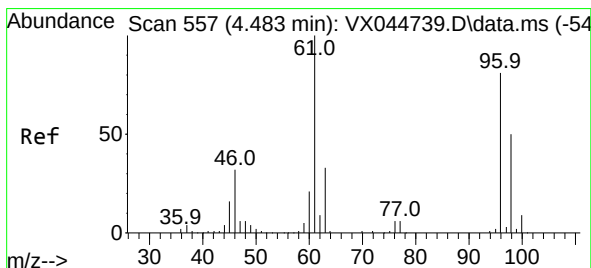
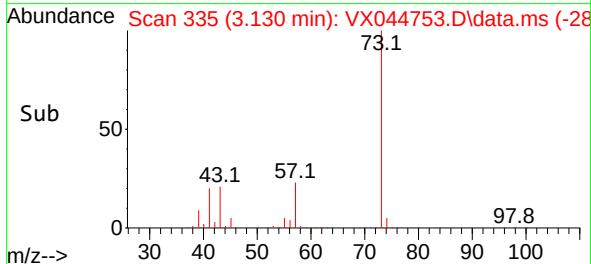
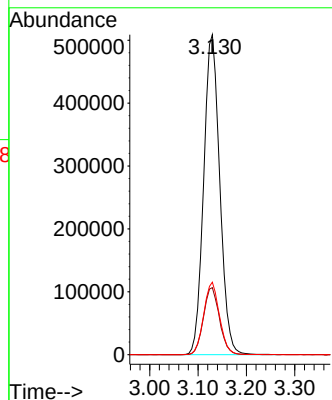
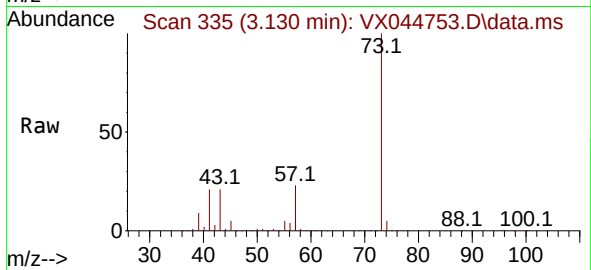




#18
Methyl tert-butyl Ether
Concen: 198.173 ug/L
RT: 3.130 min Scan# 311
Delta R.T. 0.019 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

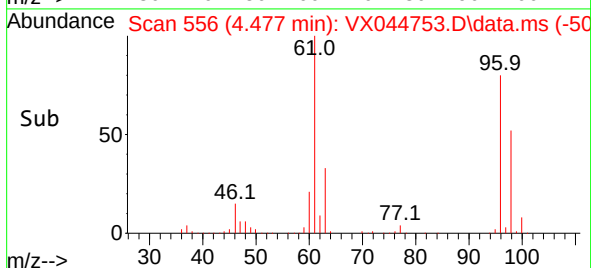
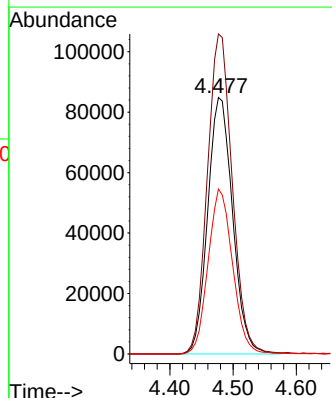
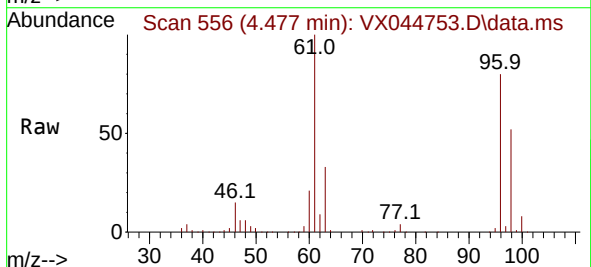
Instrument :
MSVOA_X
ClientSampleId :

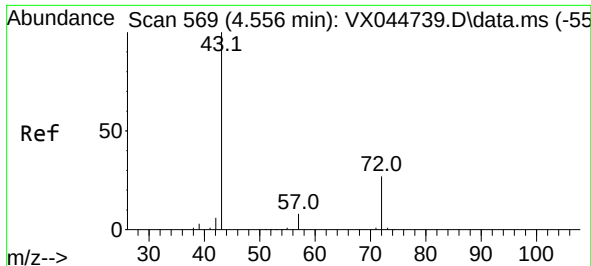
Tgt Ion: 73 Resp: 1176469
Ion Ratio Lower Upper
73 100
43 20.9 16.9 25.3
57 22.2 17.4 26.0



#20
cis-1,2-Dichloroethene
Concen: 112.829 ug/L
RT: 4.477 min Scan# 556
Delta R.T. -0.006 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

Tgt Ion: 96 Resp: 232556
Ion Ratio Lower Upper
96 100
61 124.8 88.3 163.9
98 64.3 44.6 82.8

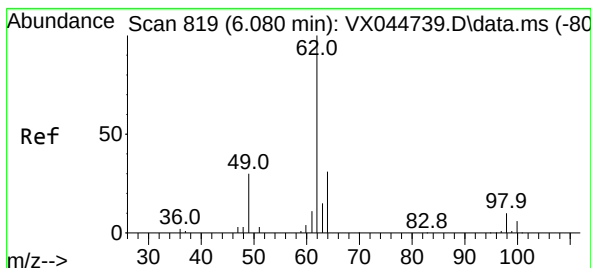
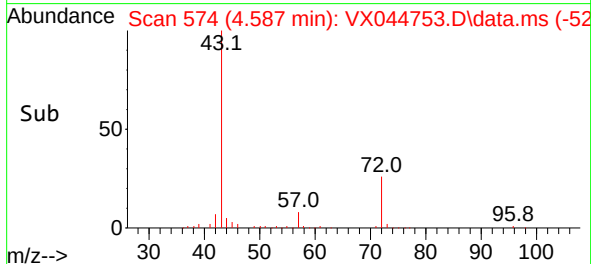
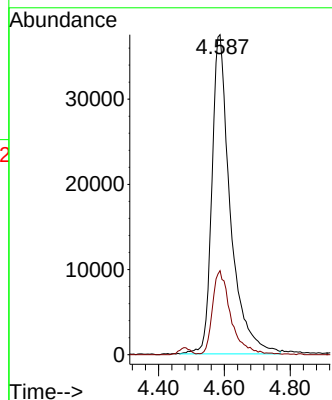
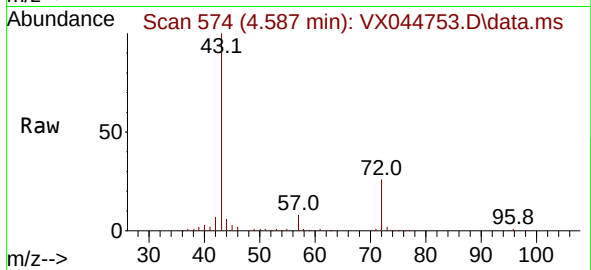




#22
2-Butanone
Concen: 103.630 ug/L
RT: 4.587 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

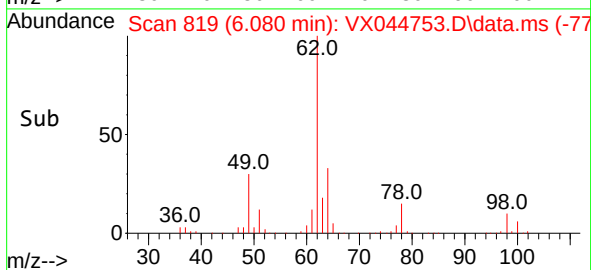
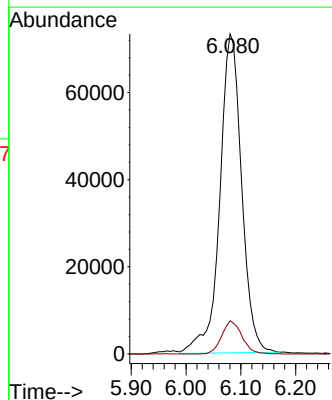
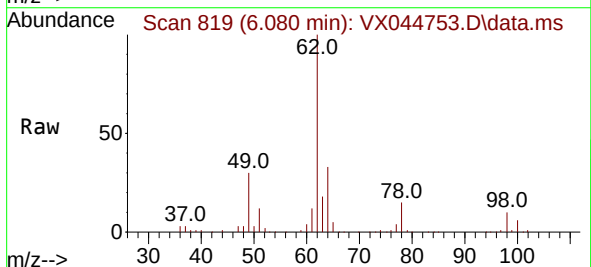
Instrument :
MSVOA_X
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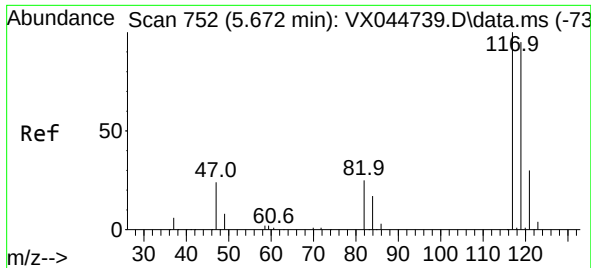
Tgt Ion: 43 Resp: 145630
Ion Ratio Lower Upper
43 100
72 25.1 13.4 40.2



#27
1,2-Dichloroethane
Concen: 79.003 ug/L
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

Tgt Ion: 62 Resp: 202466
Ion Ratio Lower Upper
62 100
98 10.3 7.4 11.2

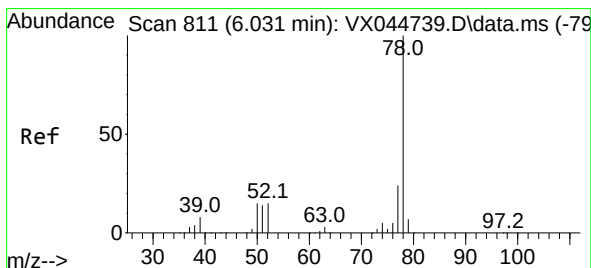
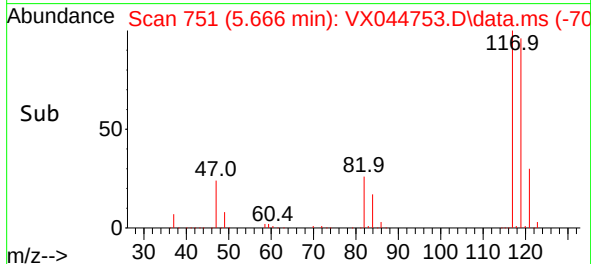
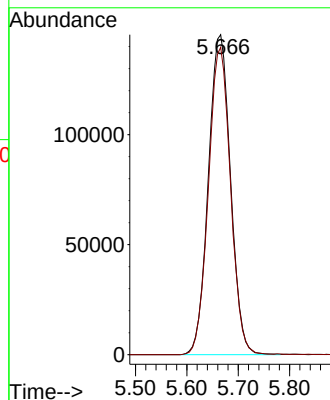
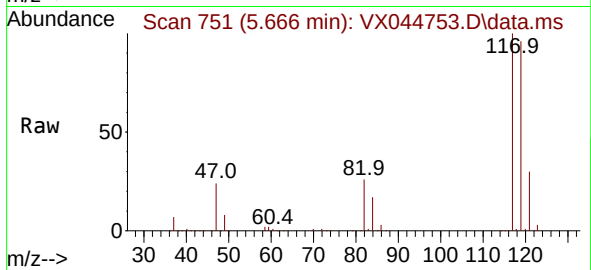




#31
Carbon tetrachloride
Concen: 172.790 ug/L
RT: 5.666 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

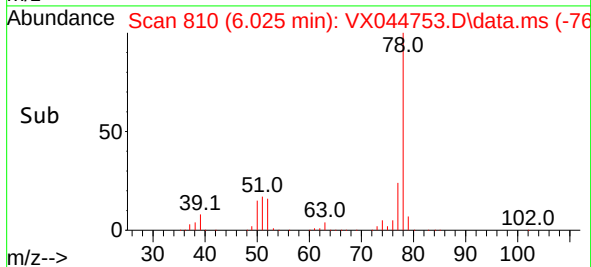
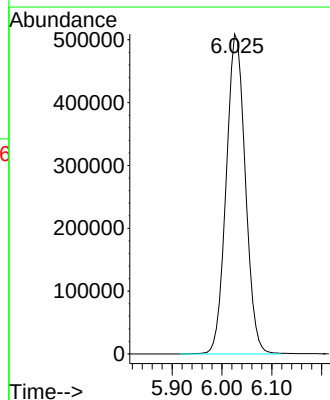
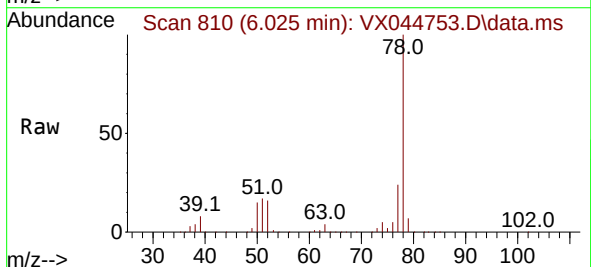
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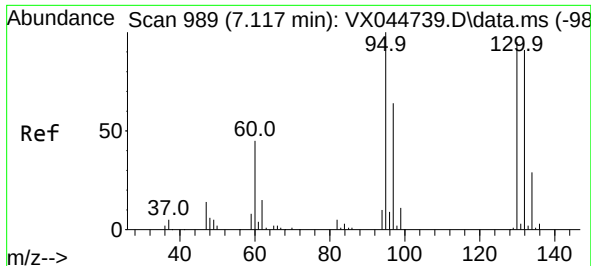
Tgt Ion:117 Resp: 435695
Ion Ratio Lower Upper
117 100
119 95.5 77.1 115.7



#33
Benzene
Concen: 177.246 ug/L
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

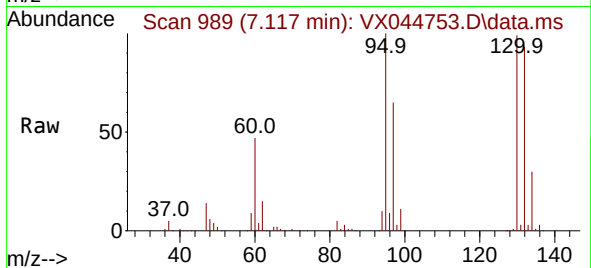
Tgt Ion: 78 Resp: 1357508



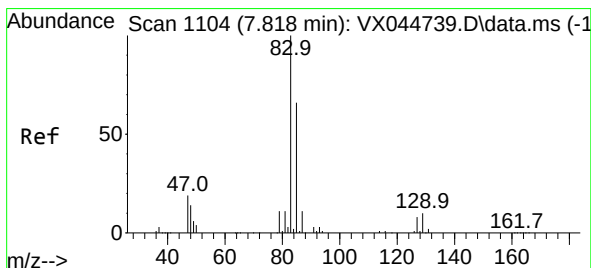
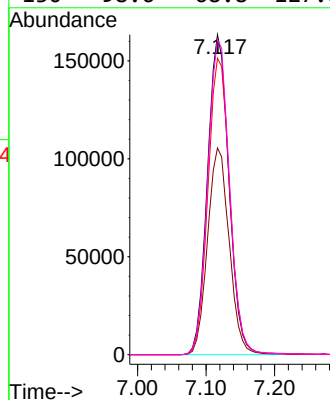
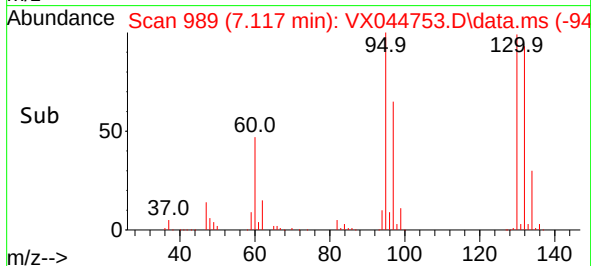


#34
Trichloroethene
Concen: 182.812 ug/L
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

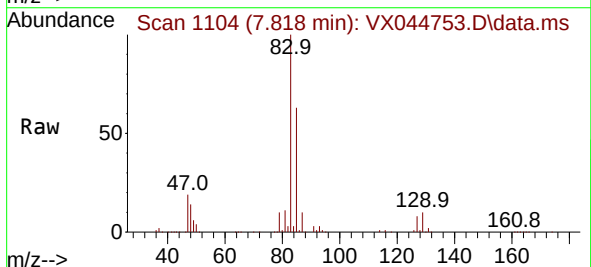
Instrument :
MSVOA_X
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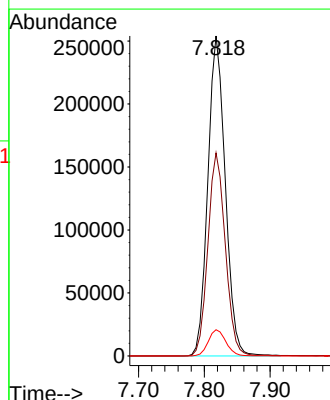
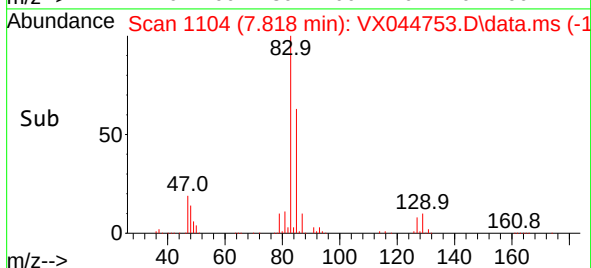
Tgt Ion: 95 Resp: 356301
Ion Ratio Lower Upper
95 100
97 64.6 46.1 85.5
132 92.7 64.5 119.9
130 98.6 68.8 127.8

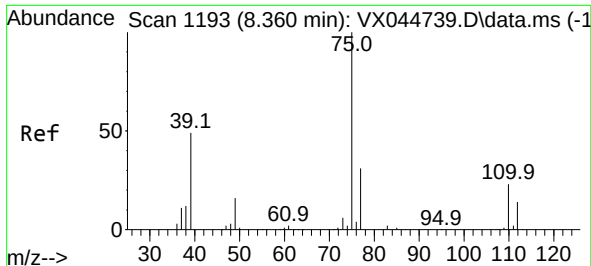


#38
Bromodichloromethane
Concen: 180.358 ug/L
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40



Tgt Ion: 83 Resp: 468926
Ion Ratio Lower Upper
83 100
85 63.5 43.8 81.3
127 8.2 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 56.199 ug/L

RT: 8.366 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VX044753.D

Acq: 28 Jan 2025 18:40

Instrument :

MSVOA_X

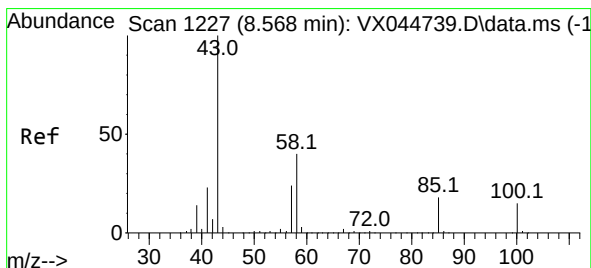
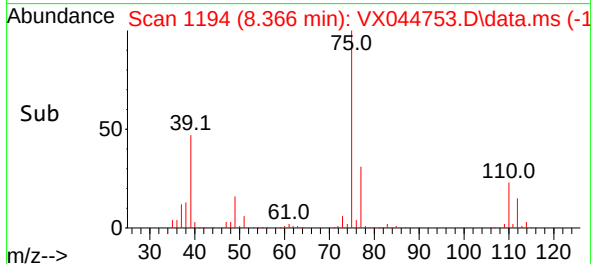
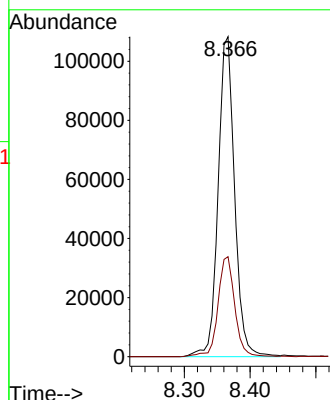
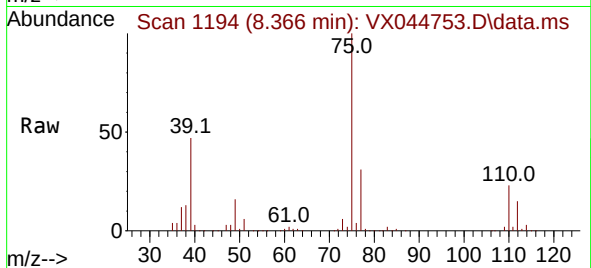
ClientSampleId :

Tgt Ion: 75 Resp: 189013

Ion Ratio Lower Upper

75 100

77 31.2 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 239.252 ug/L

RT: 8.580 min Scan# 1229

Delta R.T. 0.012 min

Lab File: VX044753.D

Acq: 28 Jan 2025 18:40

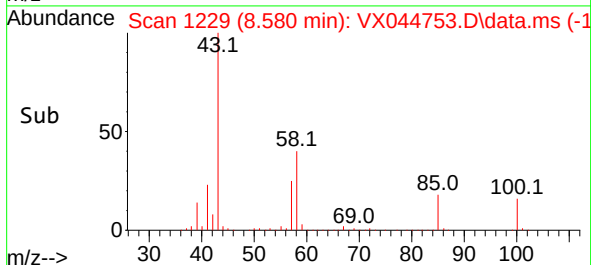
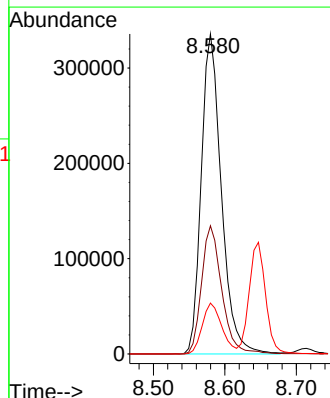
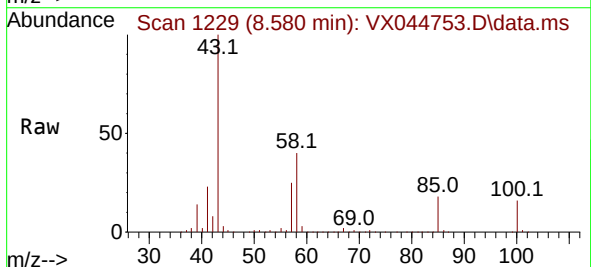
Tgt Ion: 43 Resp: 655211

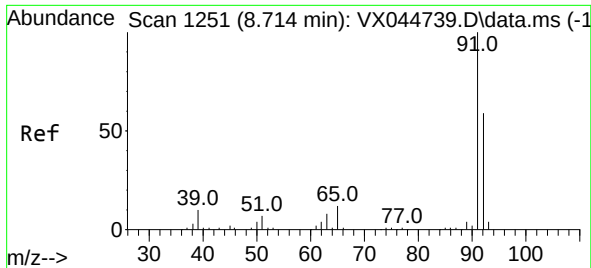
Ion Ratio Lower Upper

43 100

58 40.3 32.1 48.1

100 15.6 12.9 19.3





#42

Toluene

Concen: 150.091 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044753.D

Acq: 28 Jan 2025 18:40

Instrument :

MSVOA_X

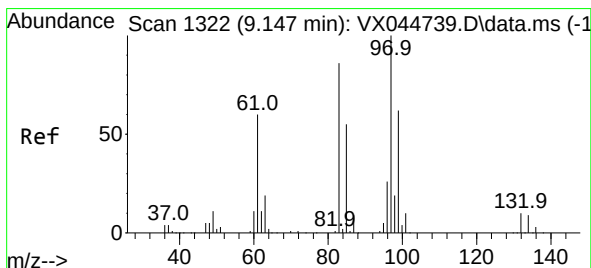
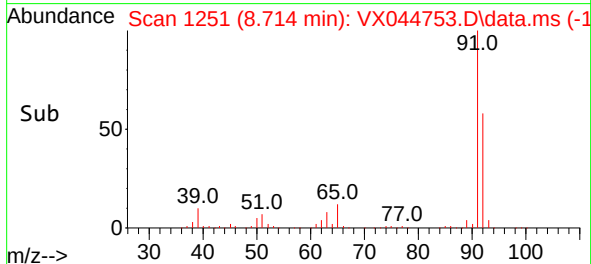
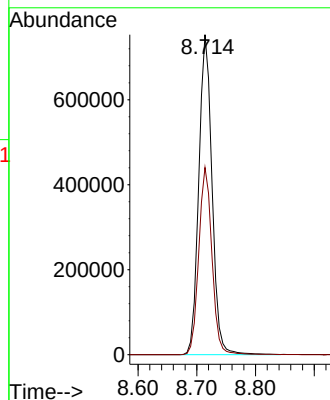
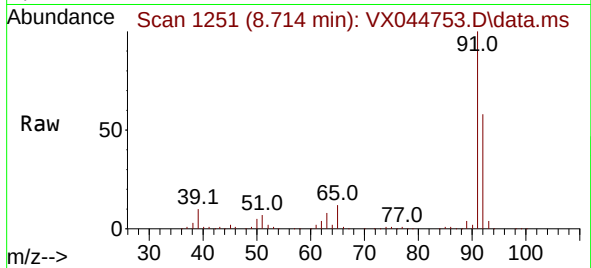
ClientSampleId :

Tgt Ion: 91 Resp: 1179368

Ion Ratio Lower Upper

91 100

92 58.5 40.7 75.5



#45

1,1,2-Trichloroethane

Concen: 158.934 ug/L

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044753.D

Acq: 28 Jan 2025 18:40

Tgt Ion: 97 Resp: 307324

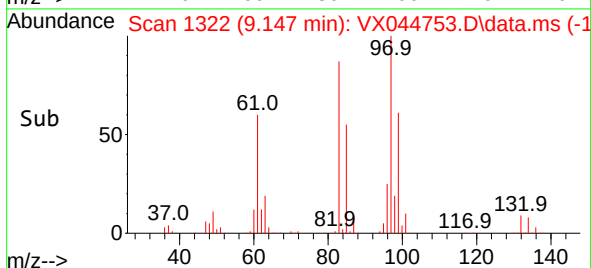
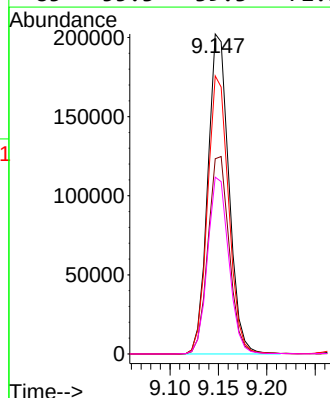
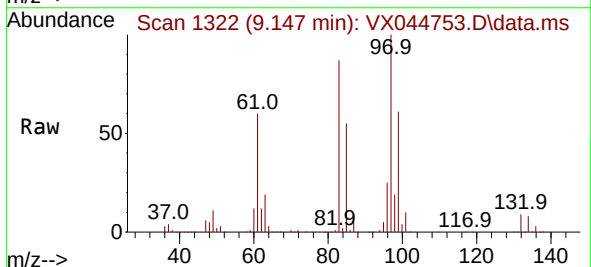
Ion Ratio Lower Upper

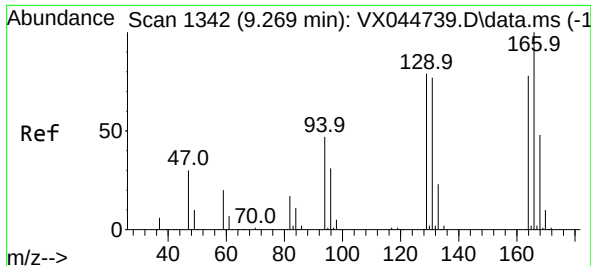
97 100

99 61.0 44.8 83.2

83 86.9 60.8 113.0

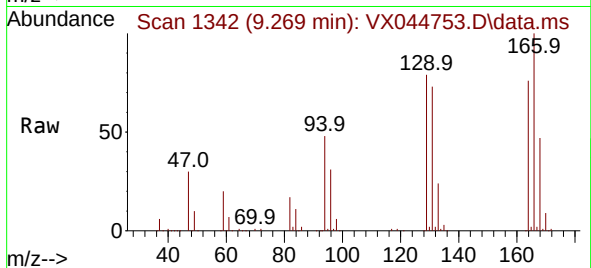
85 55.3 39.3 72.9



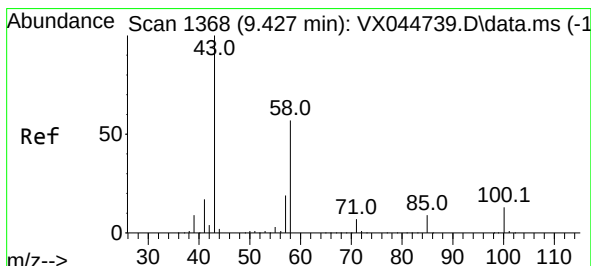
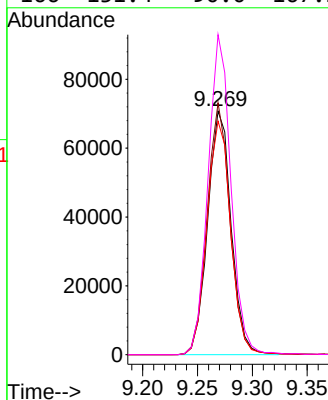
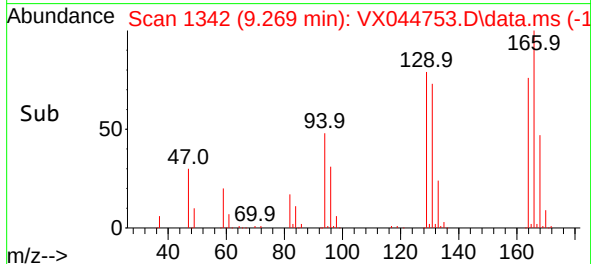


#46
Tetrachloroethene
Concen: 76.533 ug/L
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

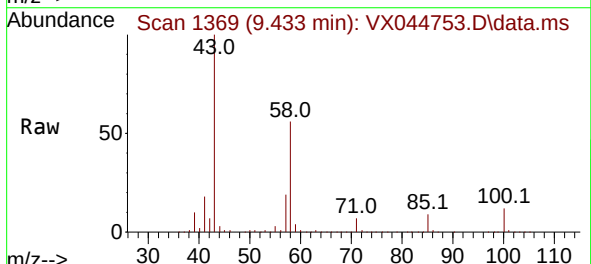
Instrument :
MSVOA_X
ClientSampleId :



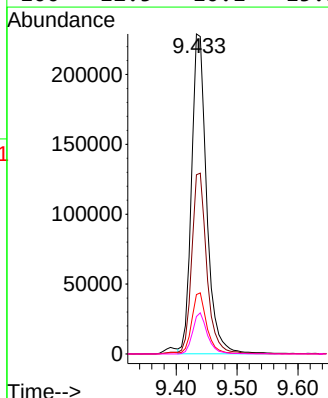
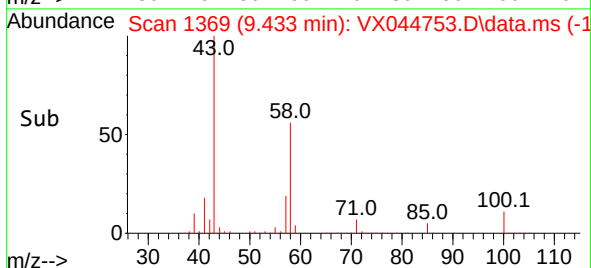
Tgt Ion:164 Resp: 105925
Ion Ratio Lower Upper
164 100
129 103.4 71.2 132.2
131 95.9 67.2 124.8
166 131.4 90.0 167.2

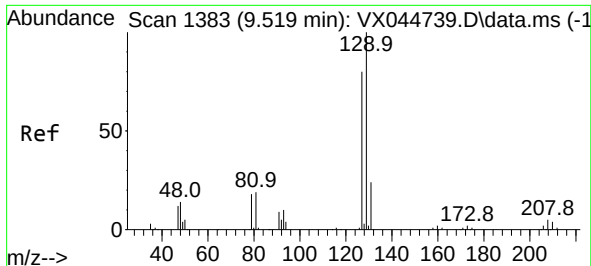


#48
2-Hexanone
Concen: 200.957 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40



Tgt Ion: 43 Resp: 394342
Ion Ratio Lower Upper
43 100
58 55.4 44.3 66.5
57 18.8 15.9 23.9
100 12.5 10.1 15.1





#49

Dibromochloromethane

Concen: 77.826 ug/L

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044753.D

Acq: 28 Jan 2025 18:40

Instrument :

MSVOA_X

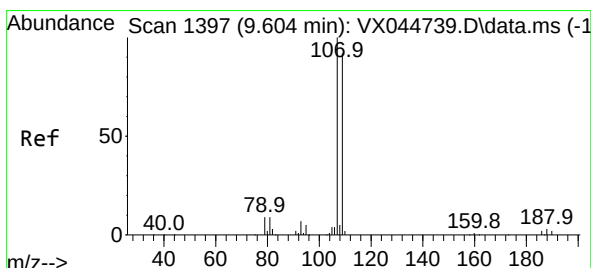
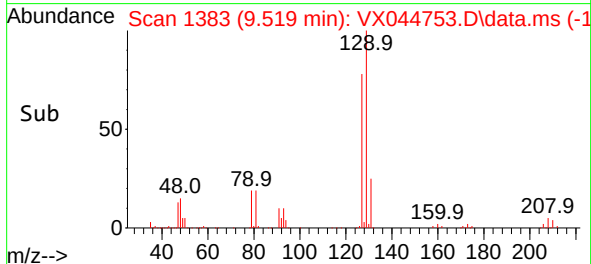
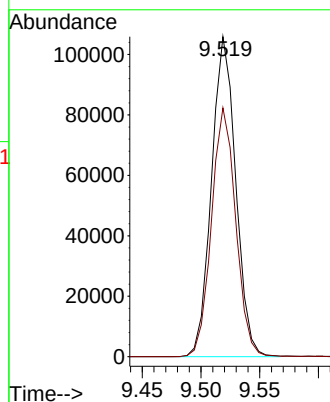
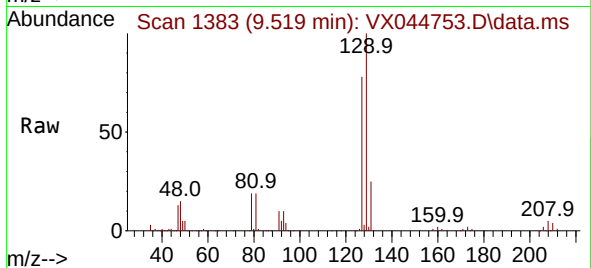
ClientSampleId :

Tgt Ion:129 Resp: 151770

Ion Ratio Lower Upper

129 100

127 77.7 53.6 99.6



#50

1,2-Dibromoethane

Concen: 176.832 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX044753.D

Acq: 28 Jan 2025 18:40

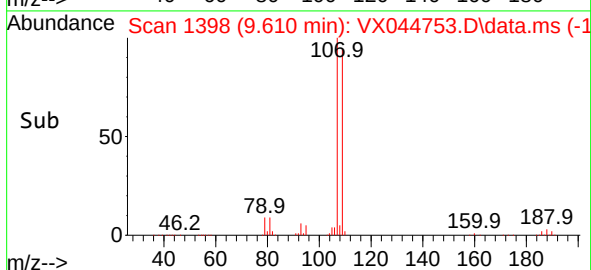
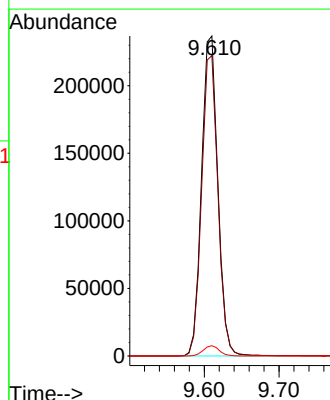
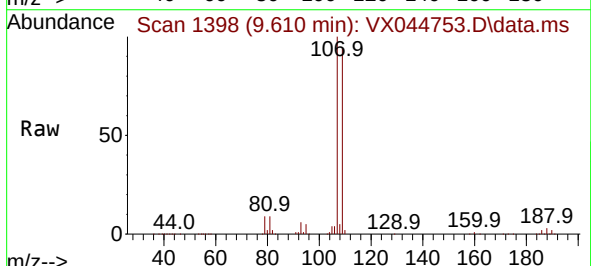
Tgt Ion:107 Resp: 358376

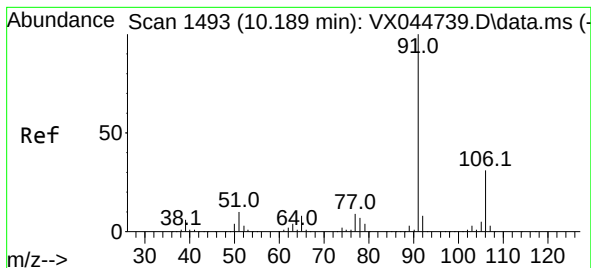
Ion Ratio Lower Upper

107 100

109 93.9 67.2 124.8

188 3.2 2.2 3.4

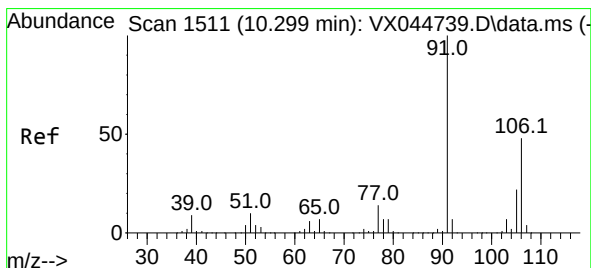
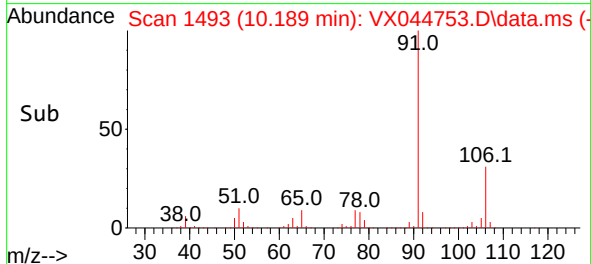
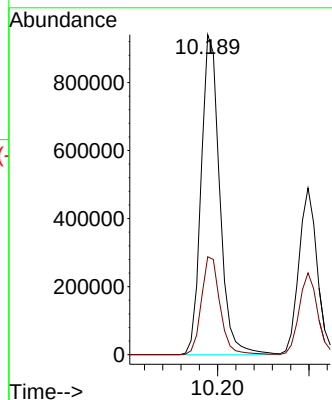
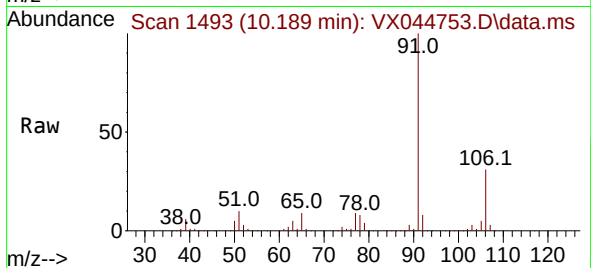




#52
Ethylbenzene
Concen: 153.769 ug/L
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

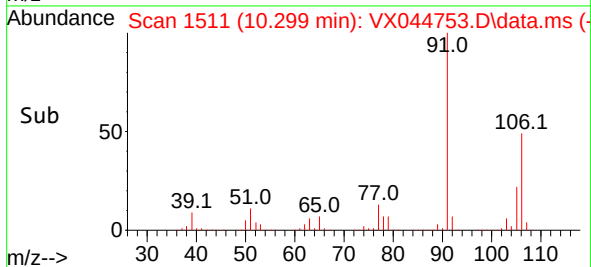
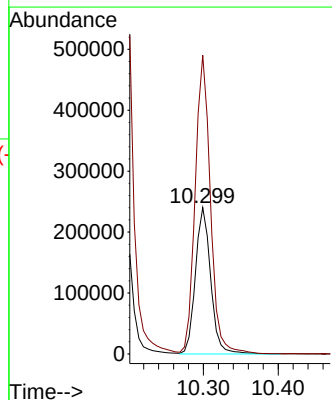
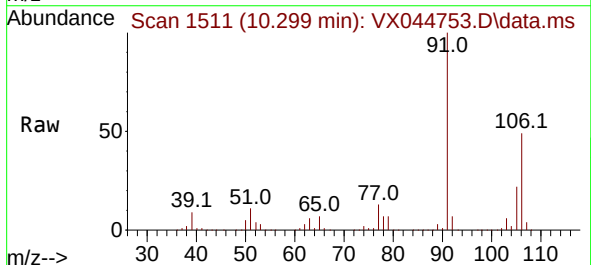
Instrument :
MSVOA_X
ClientSampleId :

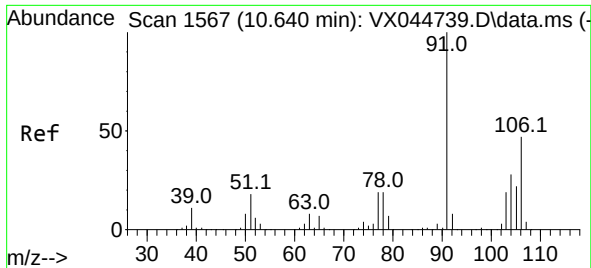
Tgt Ion: 91 Resp: 1320738
Ion Ratio Lower Upper
91 100
106 30.6 21.1 39.3



#53
m,p-Xylene
Concen: 105.627 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

Tgt Ion:106 Resp: 340600
Ion Ratio Lower Upper
106 100
91 203.9 145.2 269.6

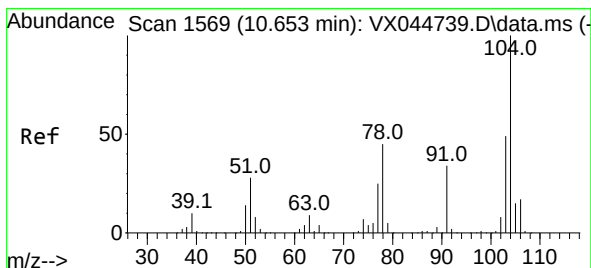
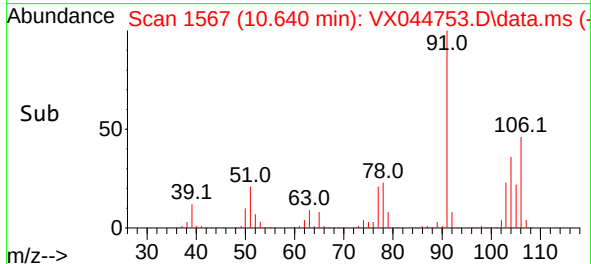
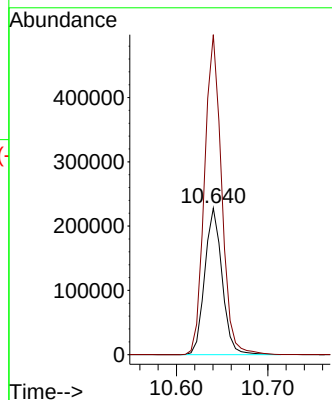
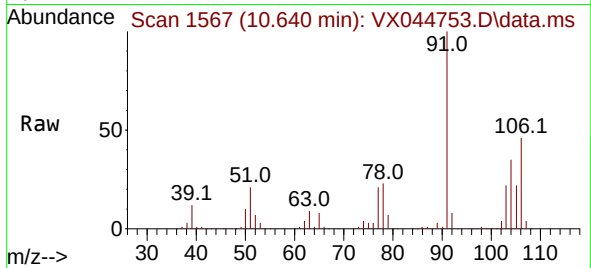




#54
o-Xylene
Concen: 94.265 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

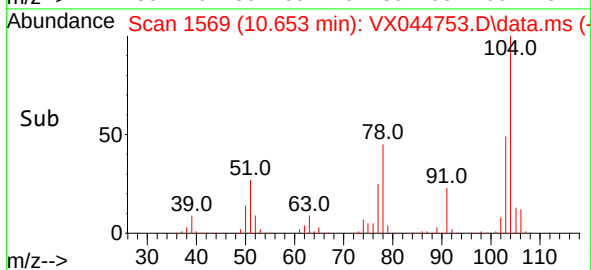
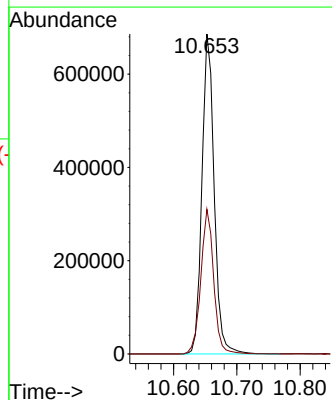
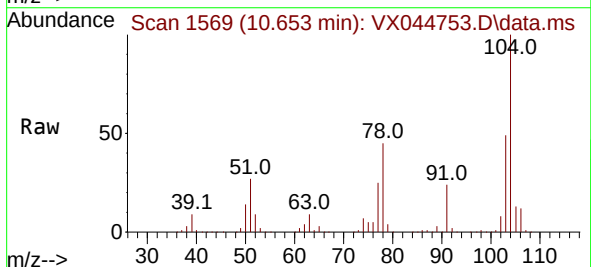
Instrument :
MSVOA_X
ClientSampleId :

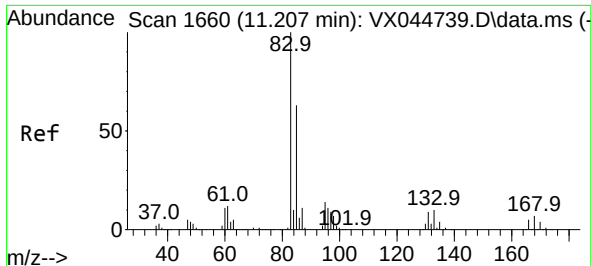
Tgt Ion:106 Resp: 299611
Ion Ratio Lower Upper
106 100
91 218.3 153.2 284.4



#55
Styrene
Concen: 176.285 ug/L
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

Tgt Ion:104 Resp: 924747
Ion Ratio Lower Upper
104 100
78 45.2 32.7 60.7





#57

1,1,2,2-Tetrachloroethane

Concen: 157.542 ug/L

RT: 11.213 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044753.D

Acq: 28 Jan 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

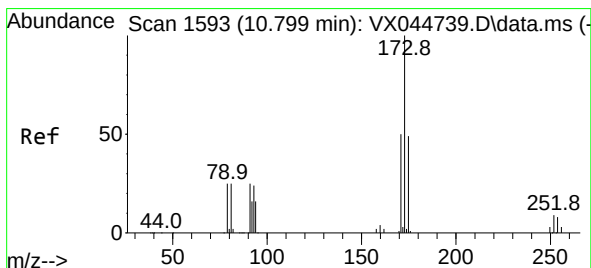
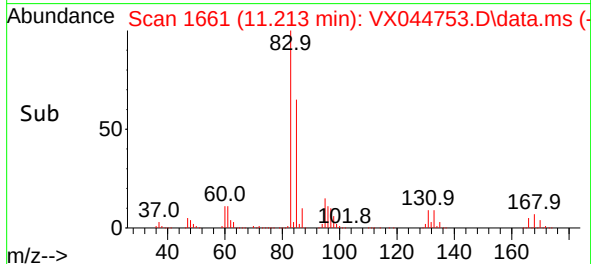
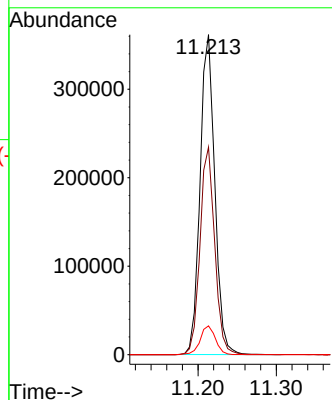
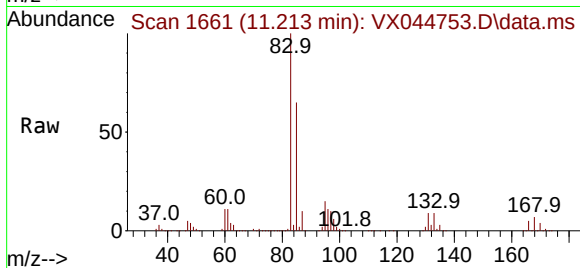
Tgt Ion: 83 Resp: 472654

Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.5

131 9.0 8.0 12.0



#59

Bromoform

Concen: 113.321 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044753.D

Acq: 28 Jan 2025 18:40

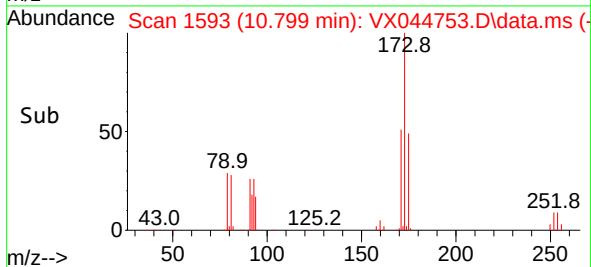
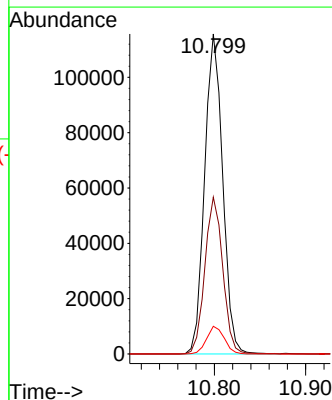
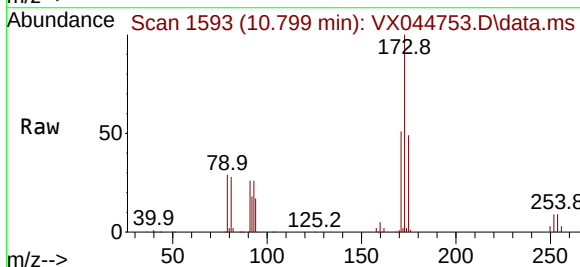
Tgt Ion:173 Resp: 158286

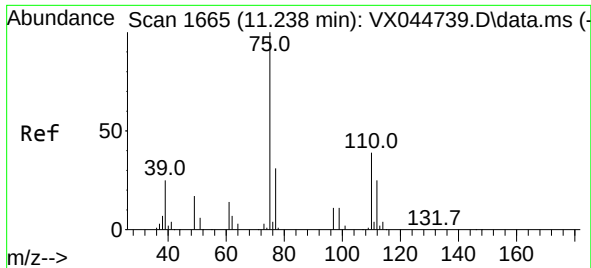
Ion Ratio Lower Upper

173 100

175 48.6 38.6 58.0

254 8.4 6.6 10.0

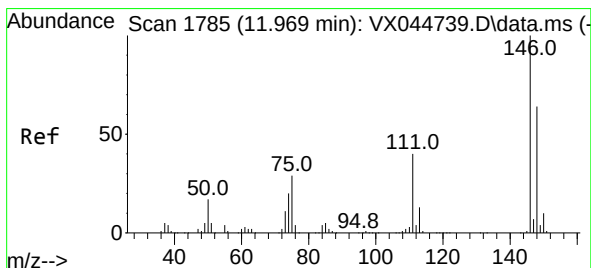
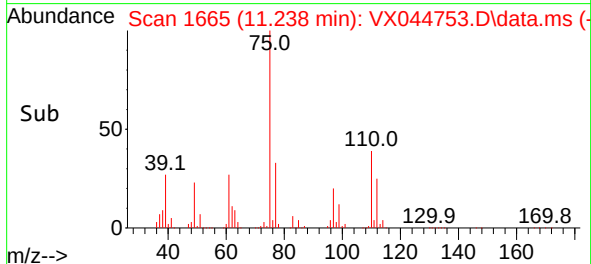
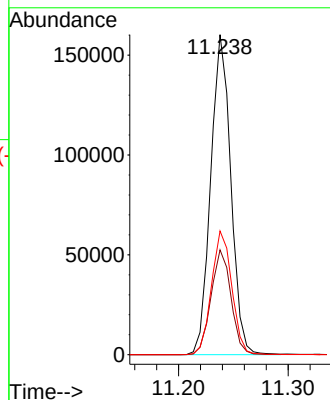
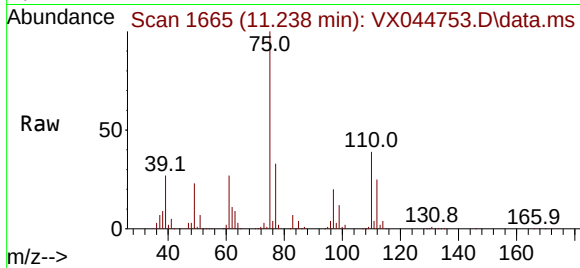




#61
1,2,3-Trichloropropane
Concen: 87.578 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

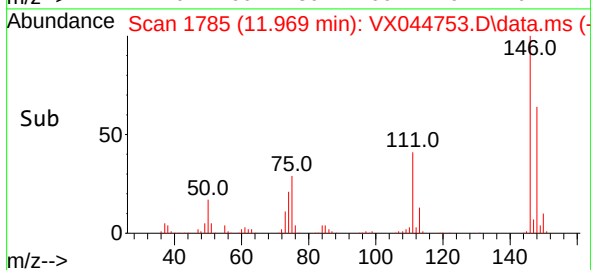
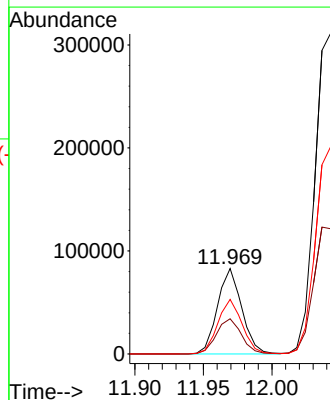
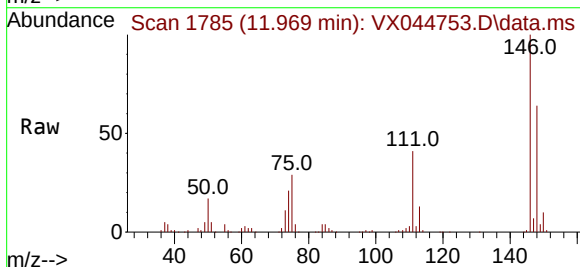
Instrument :
MSVOA_X
ClientSampleId :

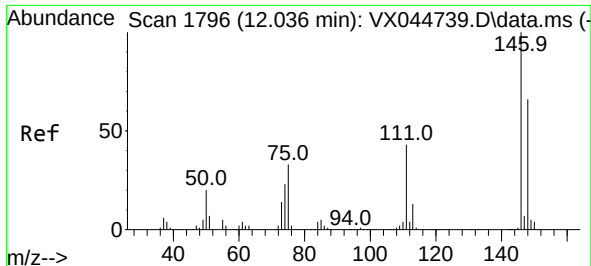
Tgt Ion: 75 Resp: 204163
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.6
110 39.1 30.8 46.2



#64
1,3-Dichlorobenzene
Concen: 29.315 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

Tgt Ion:146 Resp: 102196
Ion Ratio Lower Upper
146 100
111 41.3 29.5 54.9
148 64.0 44.4 82.5

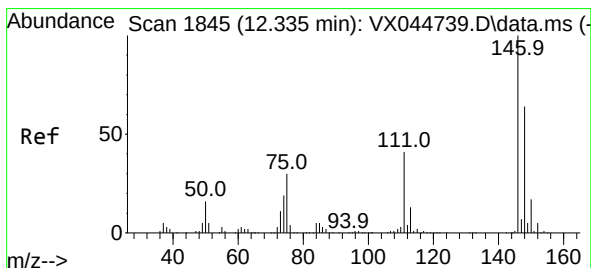
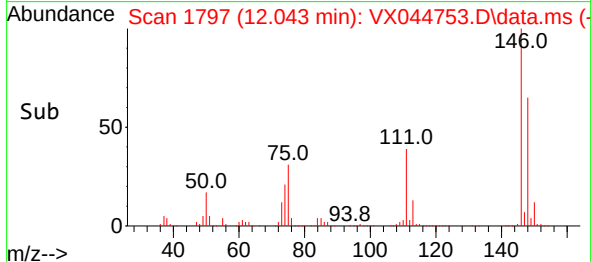
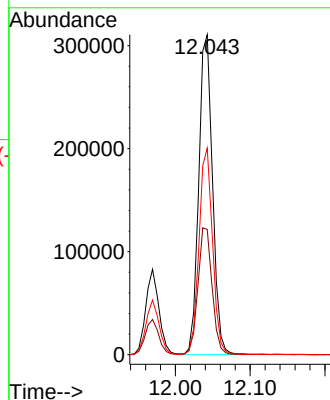
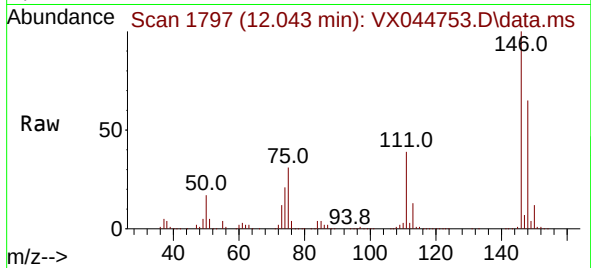




#65
1,4-Dichlorobenzene
Concen: 114.408 ug/L
RT: 12.043 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

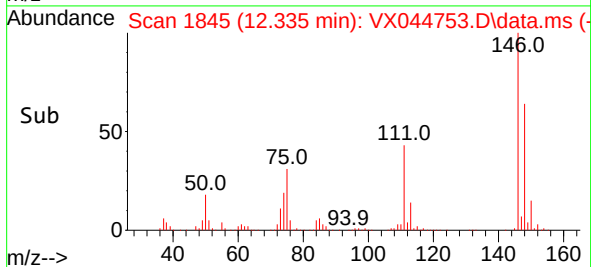
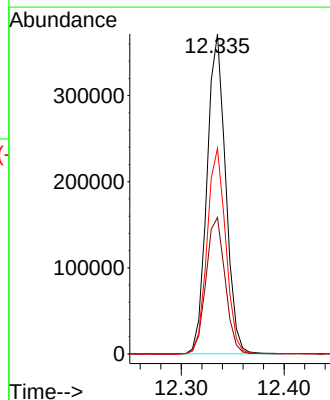
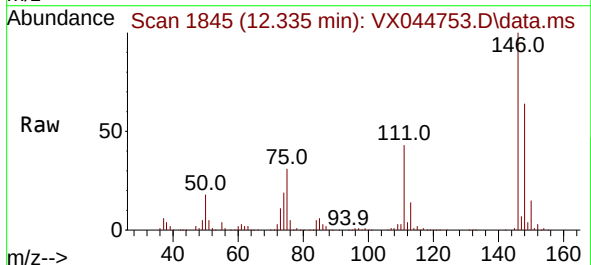
Instrument :
MSVOA_X
ClientSampleId :

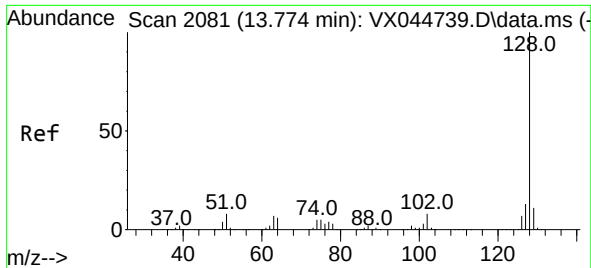
Tgt Ion:146 Resp: 397001
Ion Ratio Lower Upper
146 100
111 39.1 29.7 55.1
148 64.6 43.5 80.7



#67
1,2-Dichlorobenzene
Concen: 135.812 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044753.D
Acq: 28 Jan 2025 18:40

Tgt Ion:146 Resp: 469406
Ion Ratio Lower Upper
146 100
111 42.7 36.1 54.1
148 64.2 51.5 77.3





#71

Naphthalene

Concen: 57.661 ug/L

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

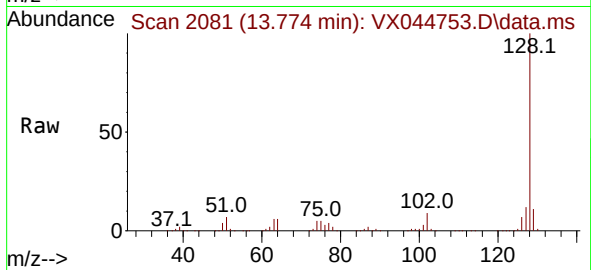
Lab File: VX044753.D

Acq: 28 Jan 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 460542

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 10.9 8.7 13.1

