

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045272.D
 Acq On : 13 Mar 2025 16:19
 Operator : JC/MD
 Sample : Q1559-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 14 12:29:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

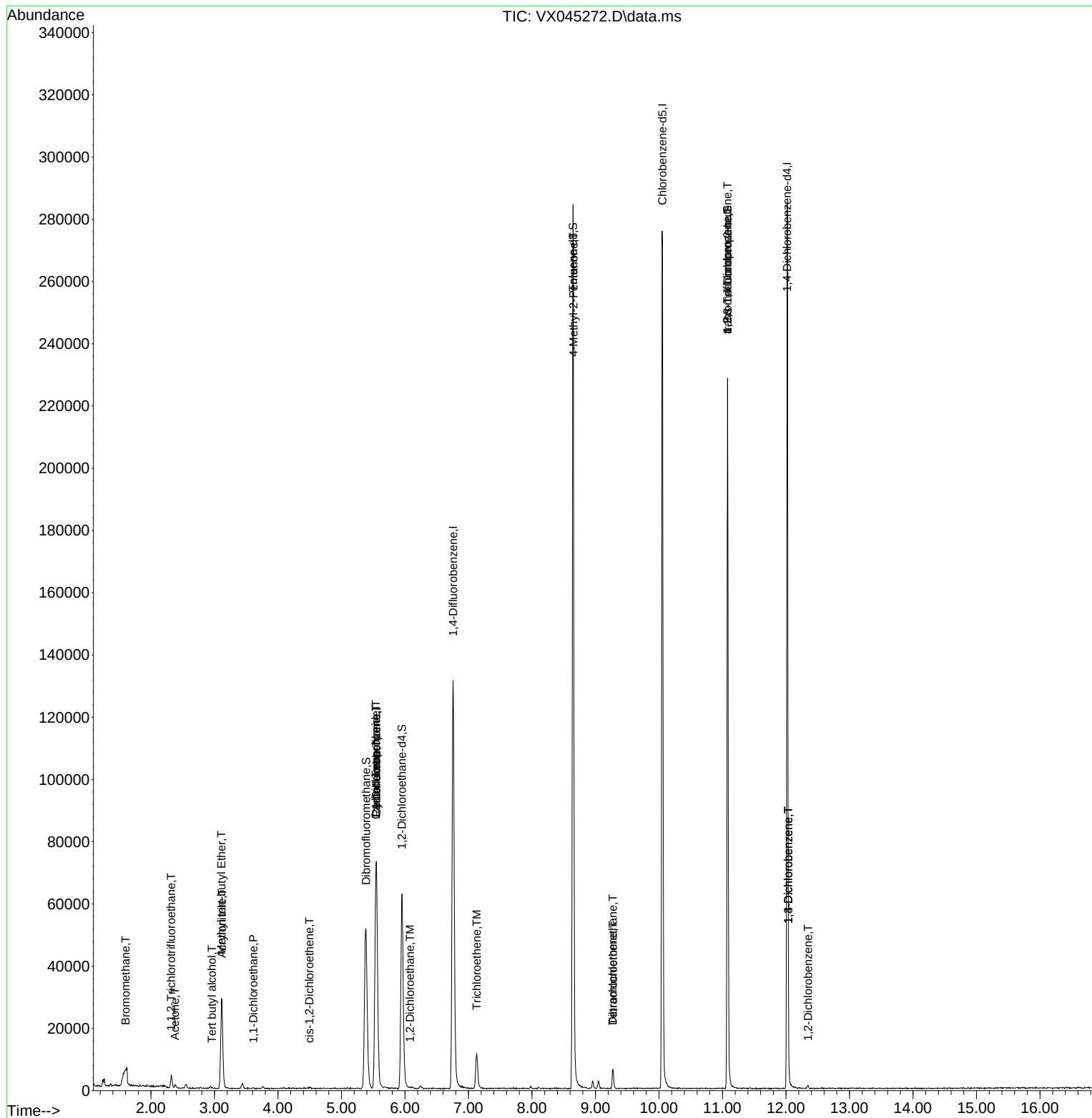
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	65963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129573	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57875	55.159	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.320%	
35) Dibromofluoromethane	5.385	113	45635	52.671	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.340%	
50) Toluene-d8	8.647	98	164879	52.491	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.980%	
62) 4-Bromofluorobenzene	11.079	95	57650	55.387	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 110.780%	
Target Compounds						Qvalue
5) Bromomethane	1.599	94	105	0.265	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.319	101	1585	2.067	ug/l	96
11) Tert butyl alcohol	2.959	59	95	0.478	ug/l #	73
15) Acrylonitrile	3.117	53	418	0.785	ug/l #	25
16) Acetone	2.380	43	1324	2.720	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	29429	10.822	ug/l	98
24) 1,1-Dichloroethane	3.611	63	451	0.274	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	282	0.285	ug/l	67
31) Cyclohexane	5.550	56	1839	1.288	ug/l #	21
36) 1,1-Dichloropropene	5.544	75	6263	5.271	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7326	6.073	ug/l #	18
42) 1,2-Dichloroethane	6.080	62	652	0.483	ug/l #	75
44) Trichloroethene	7.129	130	4675	5.306	ug/l	99
51) 4-Methyl-2-Pentanone	8.653	43	904	0.595	ug/l #	1
60) Dibromochloromethane	9.275	129	1176	1.241	ug/l #	11
64) Tetrachloroethene	9.275	164	1214	1.564	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	32438	26.731	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32438	91.477	ug/l #	6
87) 1,3-Dichlorobenzene	12.037	146	465	0.271	ug/l #	30
88) 1,4-Dichlorobenzene	12.037	146	465	0.268	ug/l #	31
91) 1,2-Dichlorobenzene	12.347	146	400	0.233	ug/l	93

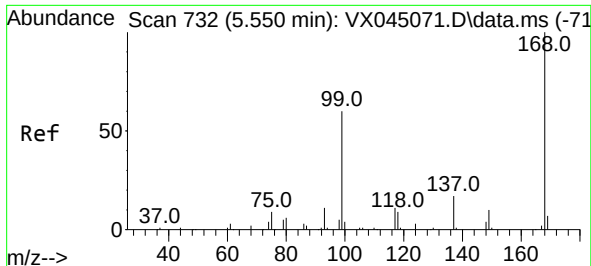
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
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MSVOA_X
ClientSampleId :

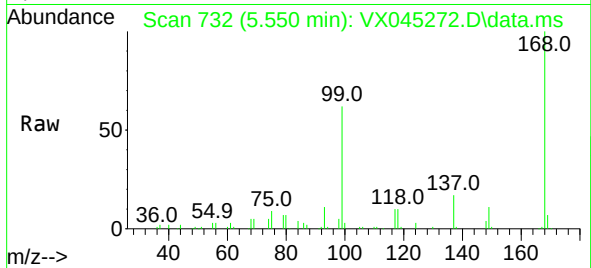
Quant Time: Mar 14 12:29:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



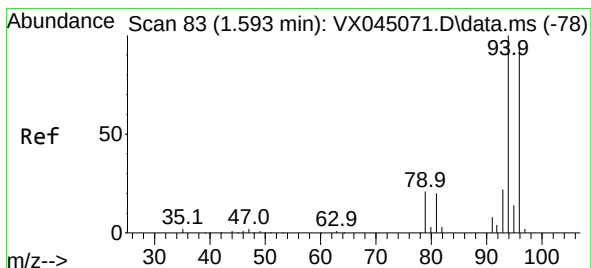
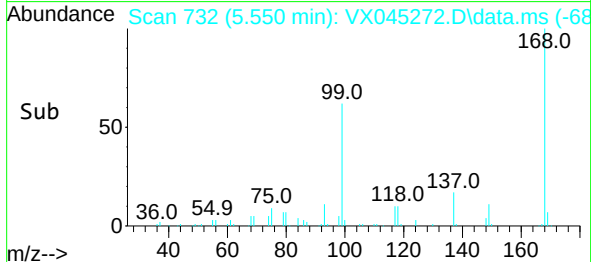
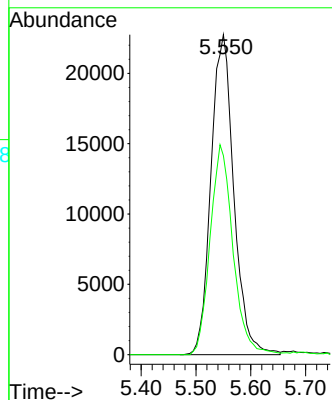


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

Instrument :
MSVOA_X
ClientSampleId :

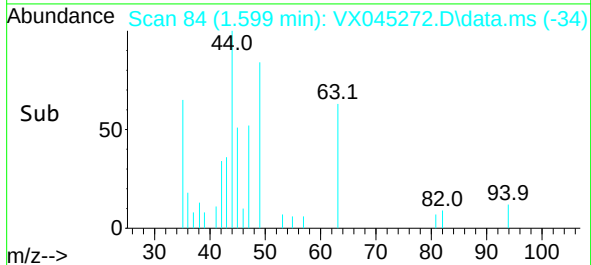
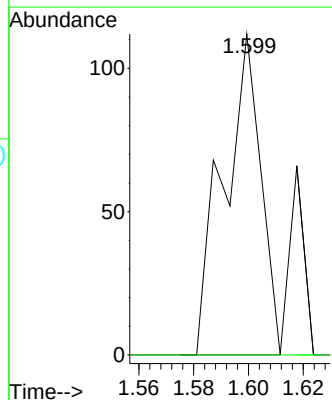
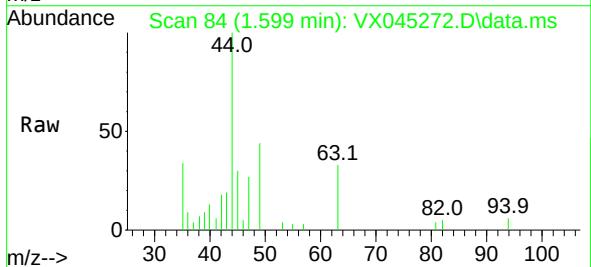


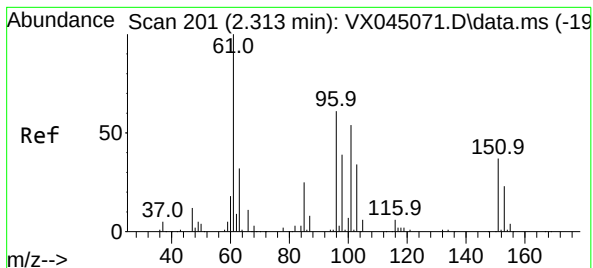
Tgt Ion:168 Resp: 65963
Ion Ratio Lower Upper
168 100
99 62.2 48.2 72.4



#5
Bromomethane
Concen: 0.265 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

Tgt Ion: 94 Resp: 105
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#

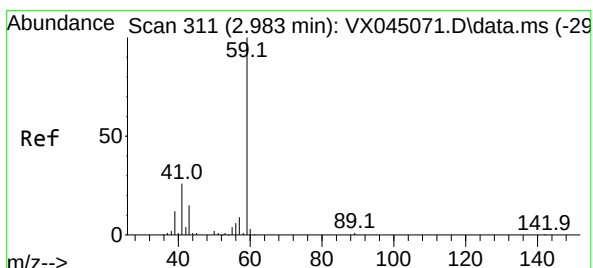
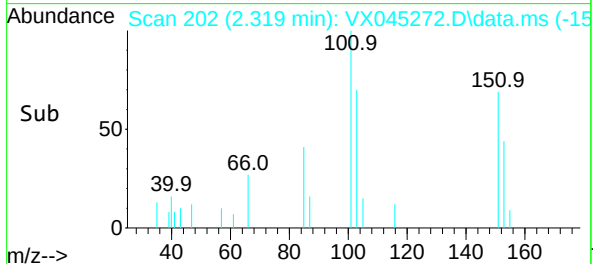
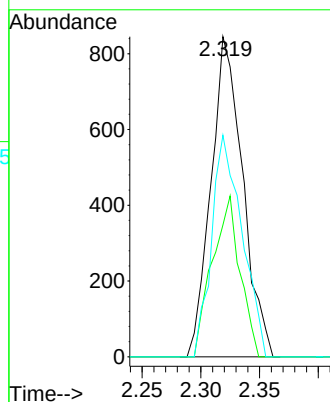
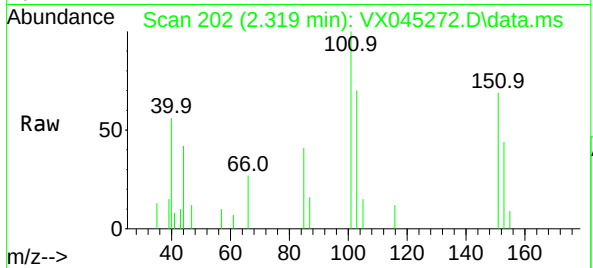




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.067 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

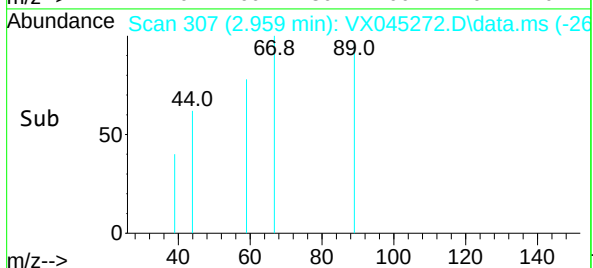
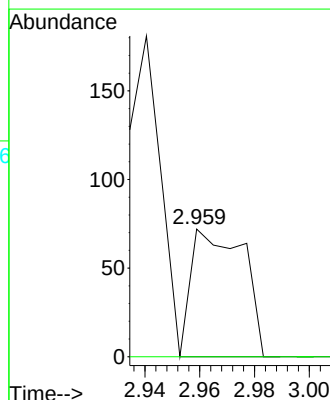
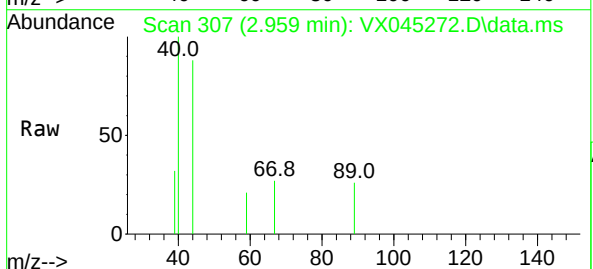
Instrument :
MSVOA_X
ClientSampleId :

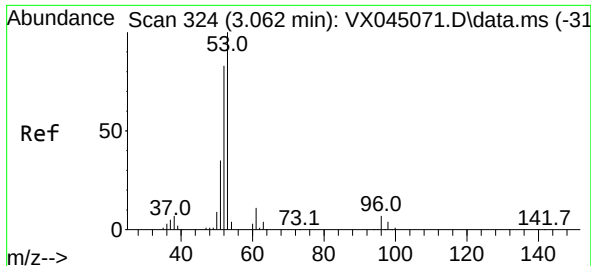
Tgt Ion:101 Resp: 1585
Ion Ratio Lower Upper
101 100
85 44.0 36.2 54.4
151 66.2 56.4 84.6



#11
Tert butyl alcohol
Concen: 0.478 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

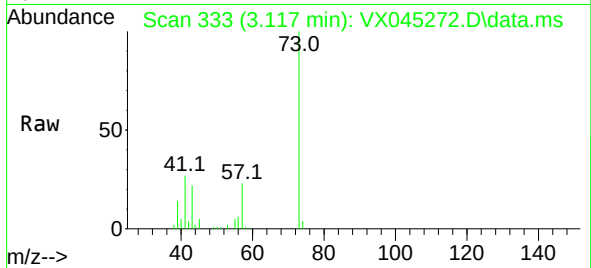
Tgt Ion: 59 Resp: 95
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



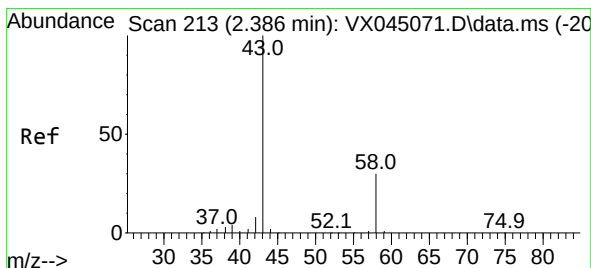
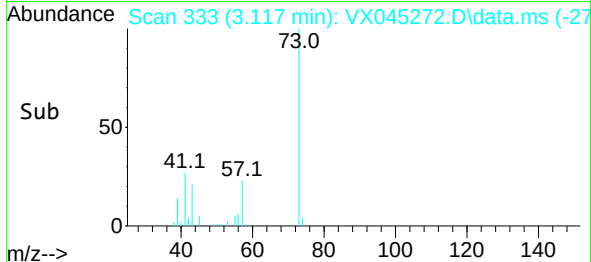
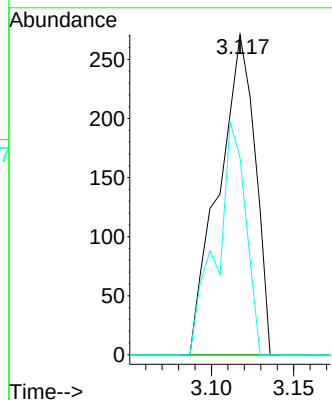


#15
Acrylonitrile
Concen: 0.785 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.055 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

Instrument :
MSVOA_X
ClientSampleId :

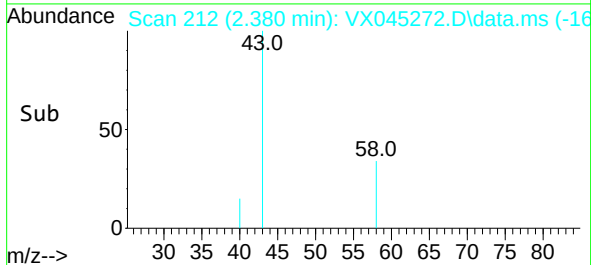
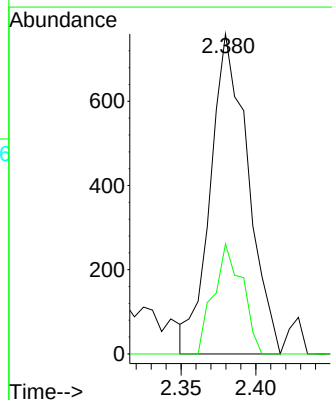
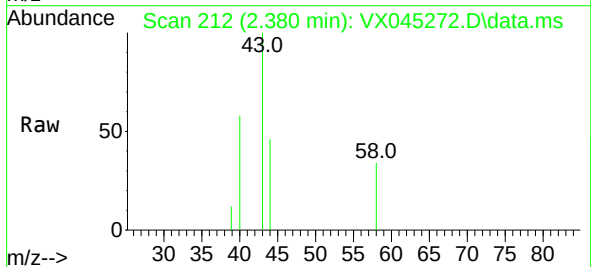


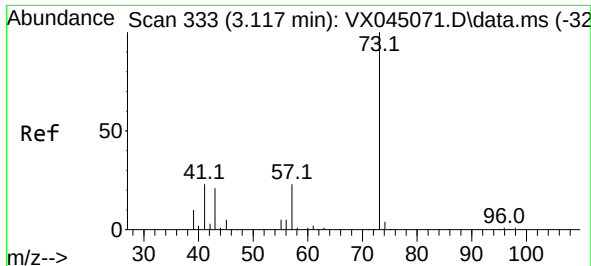
Tgt Ion: 53 Resp: 418
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.2#
51 57.7 29.0 43.4#



#16
Acetone
Concen: 2.720 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

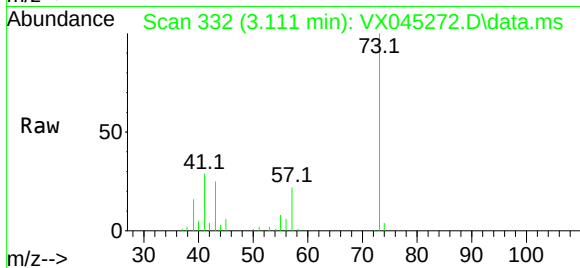
Tgt Ion: 43 Resp: 1324
Ion Ratio Lower Upper
43 100
58 34.3 24.2 36.4



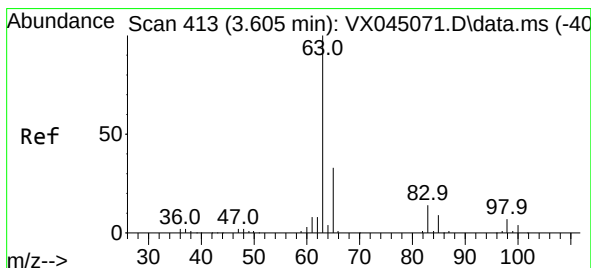
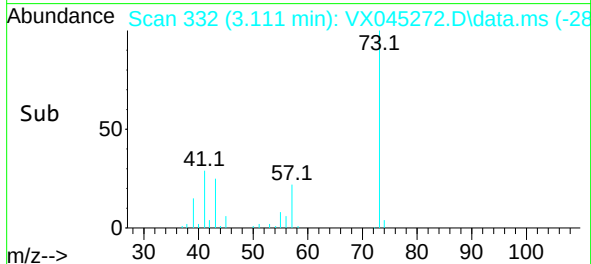
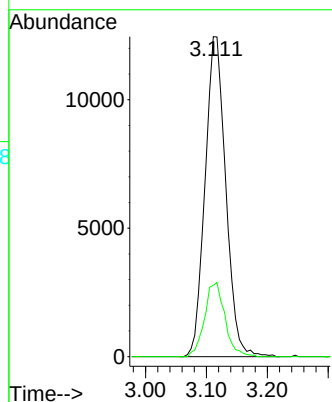


#19
Methyl tert-butyl Ether
Concen: 10.822 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

Instrument :
MSVOA_X
ClientSampleId :

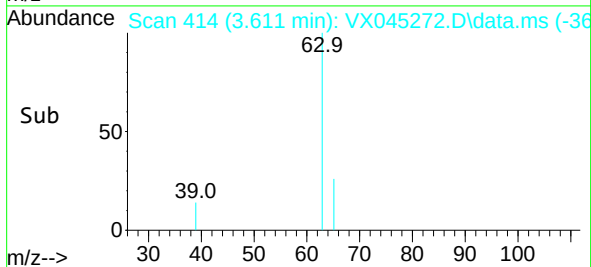
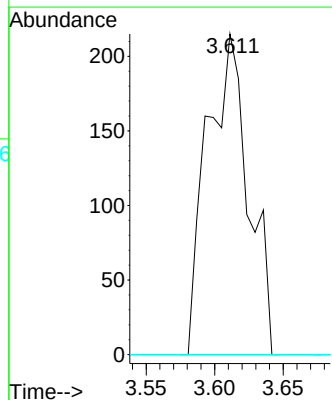
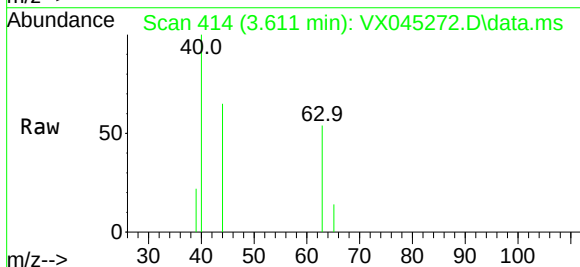


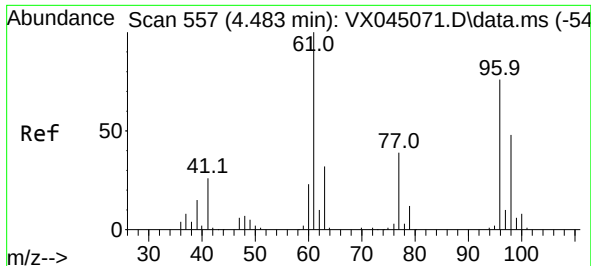
Tgt Ion: 73 Resp: 29429
Ion Ratio Lower Upper
73 100
57 22.3 18.5 27.7



#24
1,1-Dichloroethane
Concen: 0.274 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

Tgt Ion: 63 Resp: 451
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 0.285 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

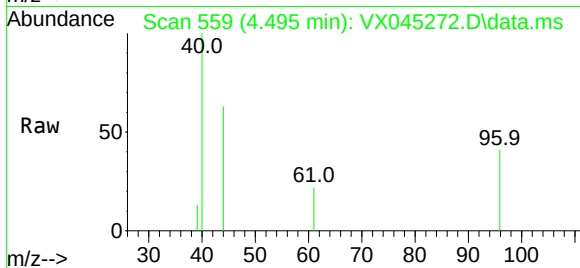
Lab File: VX045272.D

Acq: 13 Mar 2025 16:19

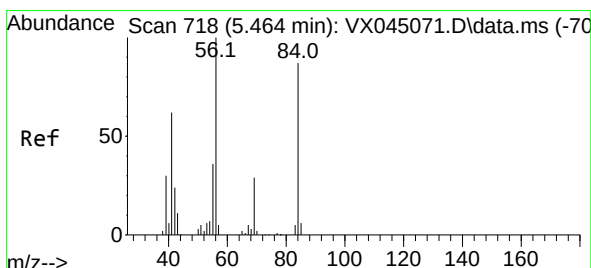
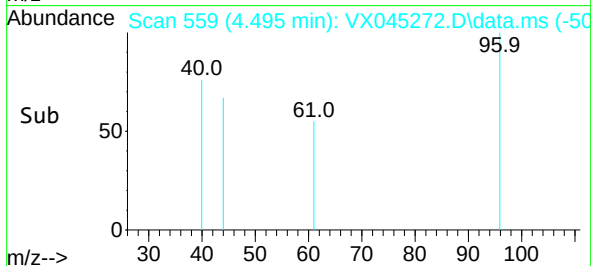
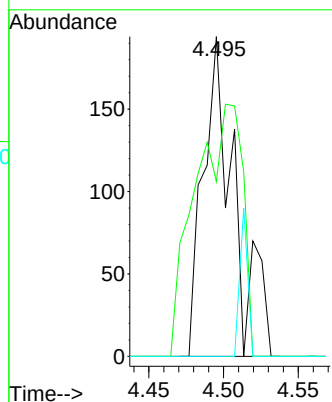
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	96	Resp:	282
Ion	Ratio	Lower	Upper
96	100		
61	119.1	0.0	283.2
98	11.7	0.0	128.0



#31

Cyclohexane

Concen: 1.288 ug/l

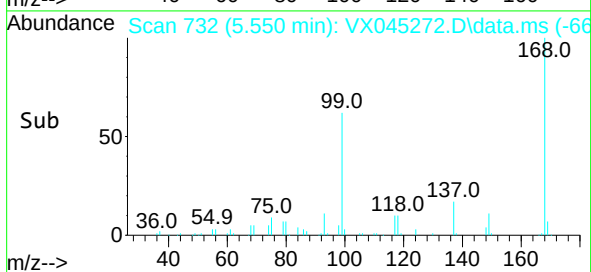
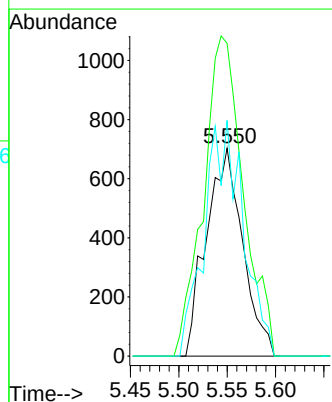
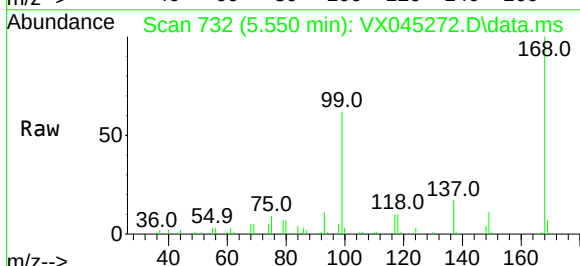
RT: 5.550 min Scan# 732

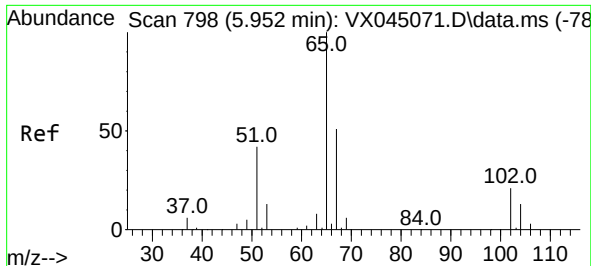
Delta R.T. 0.085 min

Lab File: VX045272.D

Acq: 13 Mar 2025 16:19

Tgt Ion:	56	Resp:	1839
Ion	Ratio	Lower	Upper
56	100		
69	150.5	23.4	35.2#
84	113.4	69.4	104.2#





#33

1,2-Dichloroethane-d4

Concen: 55.159 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045272.D

Acq: 13 Mar 2025 16:19

Instrument :

MSVOA_X

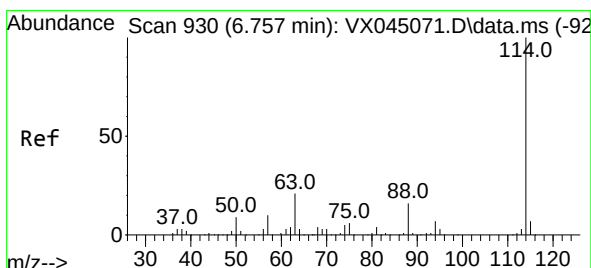
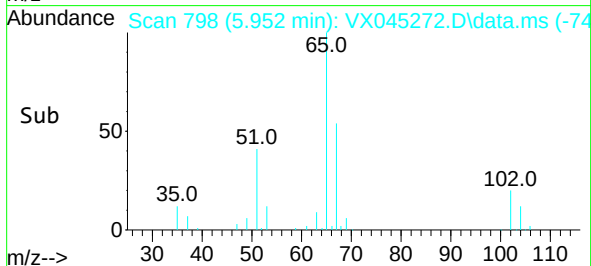
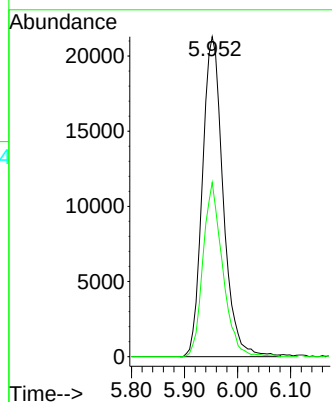
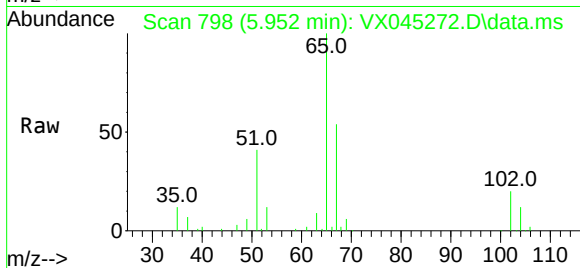
ClientSampleId :

Tgt Ion: 65 Resp: 57875

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045272.D

Acq: 13 Mar 2025 16:19

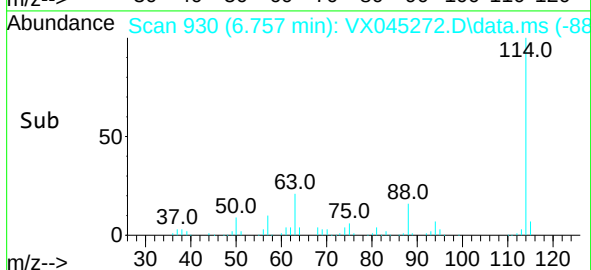
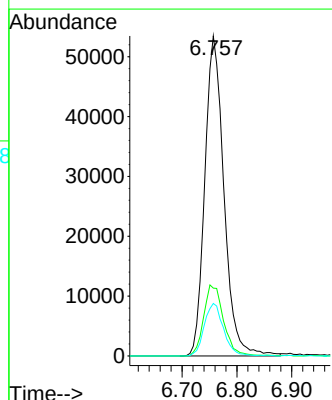
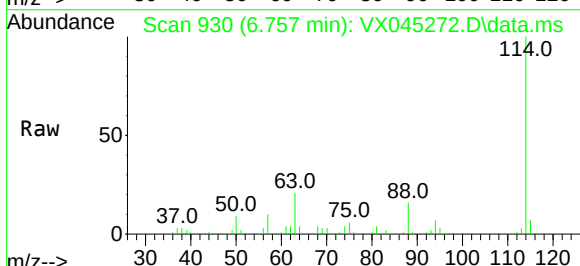
Tgt Ion: 114 Resp: 129573

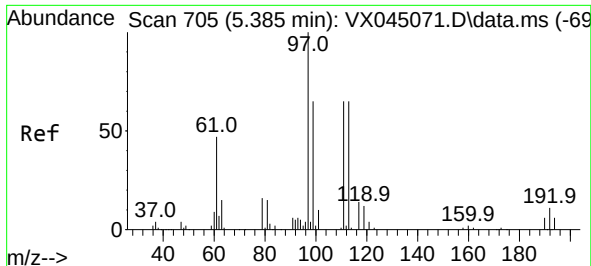
Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.8

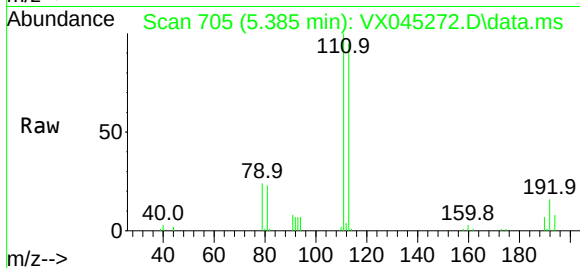
88 16.4 0.0 32.8



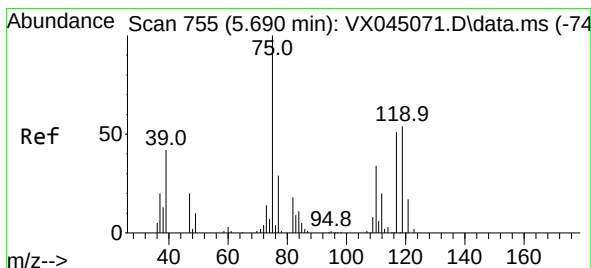
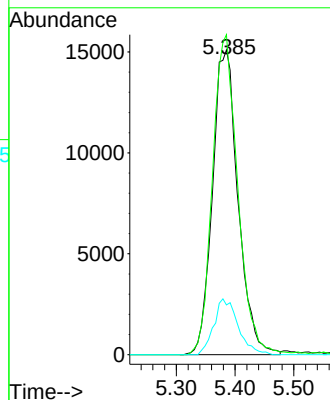
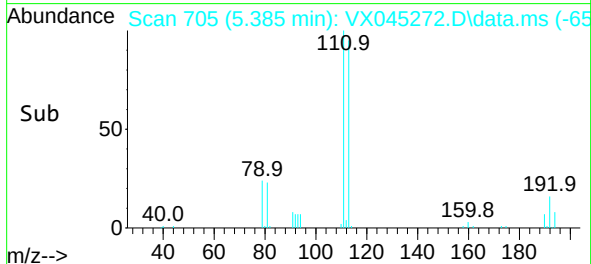


#35
Dibromofluoromethane
Concen: 52.671 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

Instrument :
MSVOA_X
ClientSampleId :

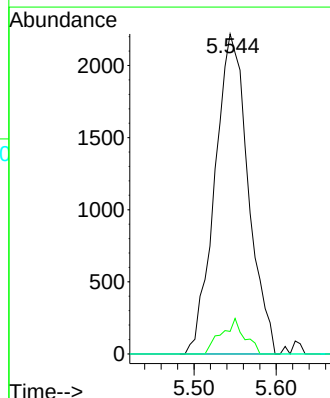
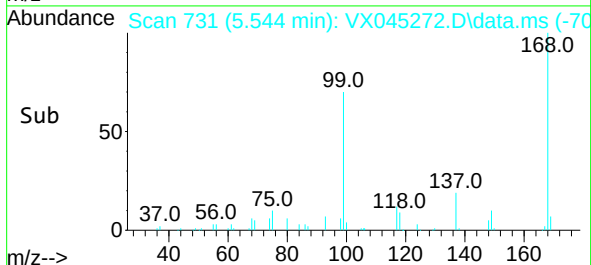
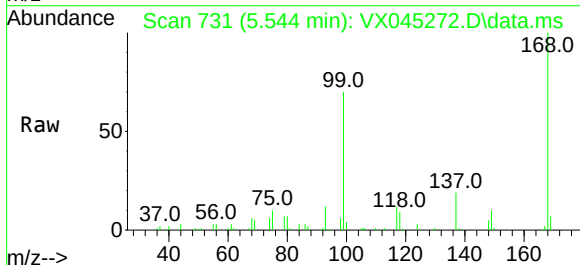


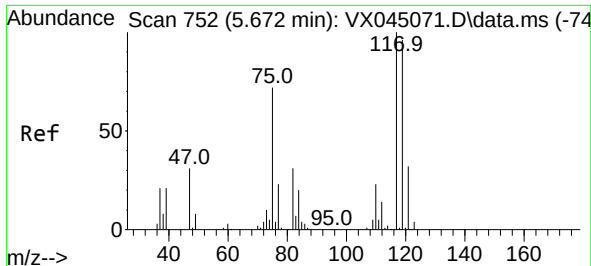
Tgt Ion:113 Resp: 45635
Ion Ratio Lower Upper
113 100
111 103.7 81.8 122.6
192 17.4 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.271 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

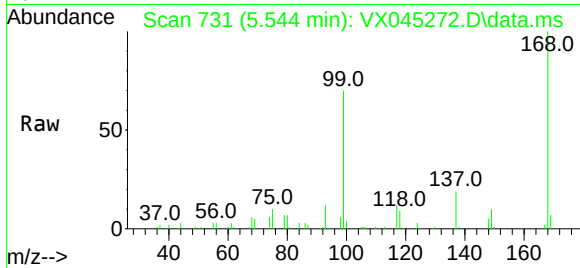
Tgt Ion: 75 Resp: 6263
Ion Ratio Lower Upper
75 100
110 7.6 16.9 50.6#
77 0.0 24.5 36.7#



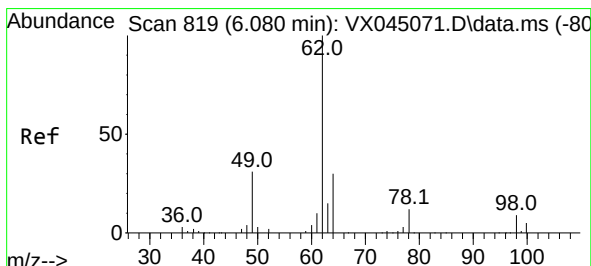
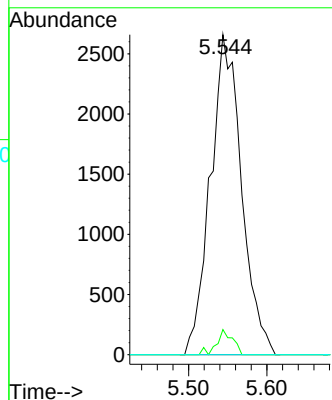
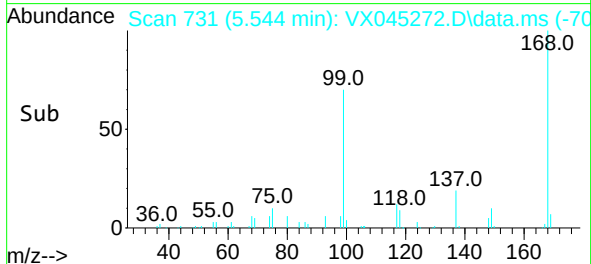


#38
Carbon Tetrachloride
Concen: 6.073 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

Instrument :
MSVOA_X
ClientSampleId :

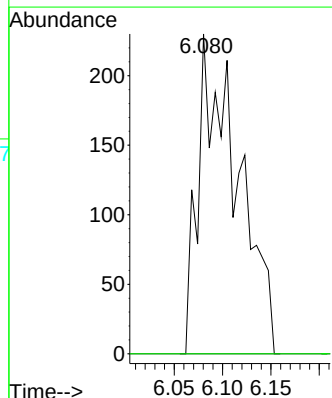
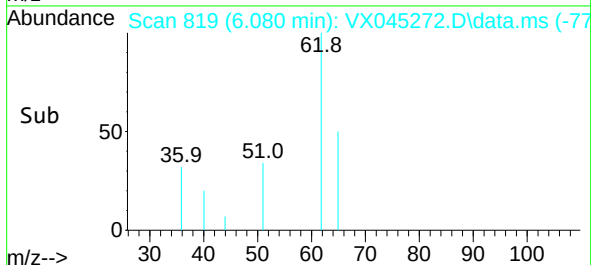
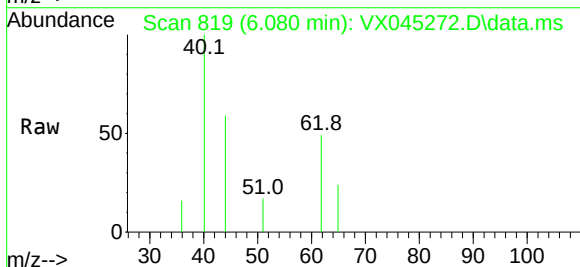


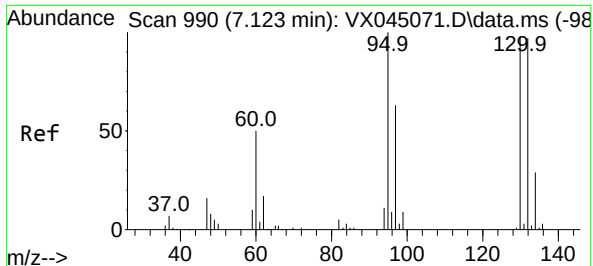
Tgt Ion:117 Resp: 7326
Ion Ratio Lower Upper
117 100
119 7.8 76.7 115.1#
121 0.0 25.5 38.3#



#42
1,2-Dichloroethane
Concen: 0.483 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

Tgt Ion: 62 Resp: 652
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

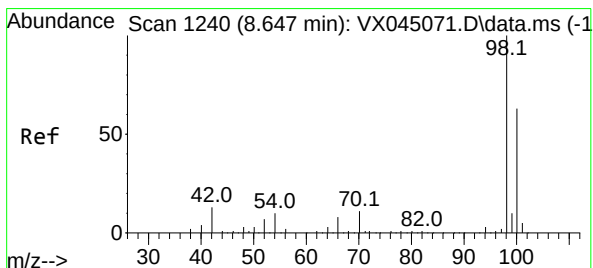
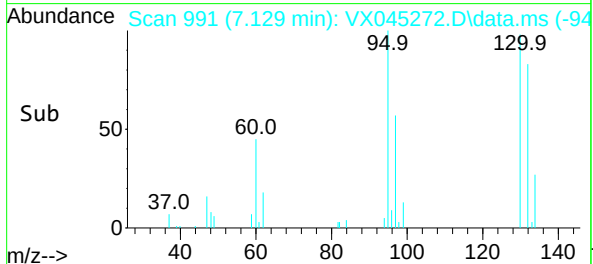
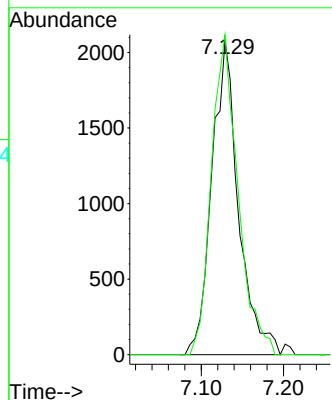
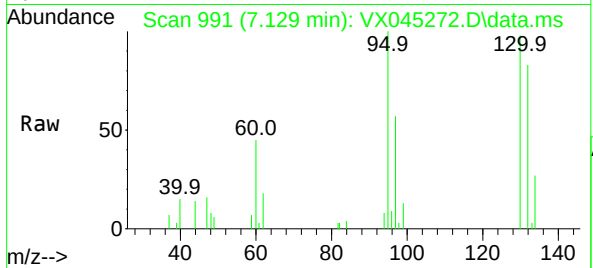




#44
Trichloroethene
Concen: 5.306 ug/l
RT: 7.129 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

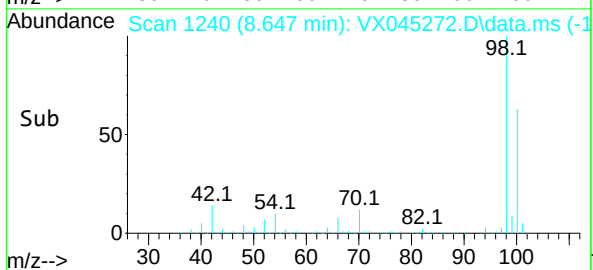
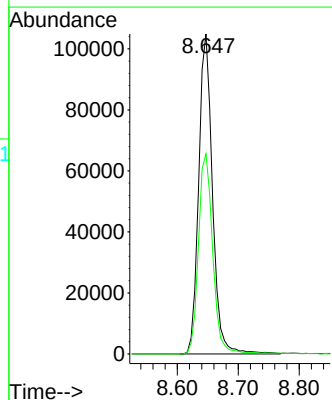
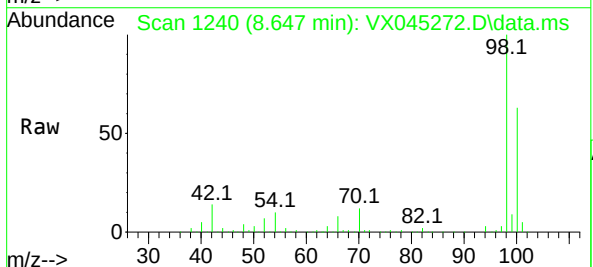
Instrument :
MSVOA_X
ClientSampleId :

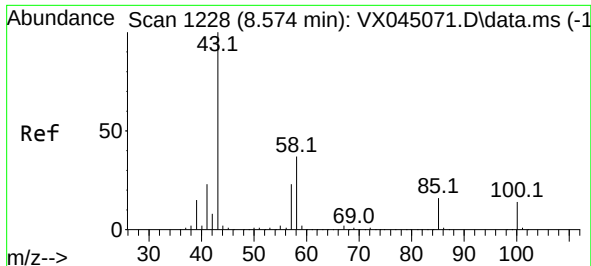
Tgt Ion:130 Resp: 4675
Ion Ratio Lower Upper
130 100
95 101.9 0.0 205.0



#50
Toluene-d8
Concen: 52.491 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

Tgt Ion: 98 Resp: 164879
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

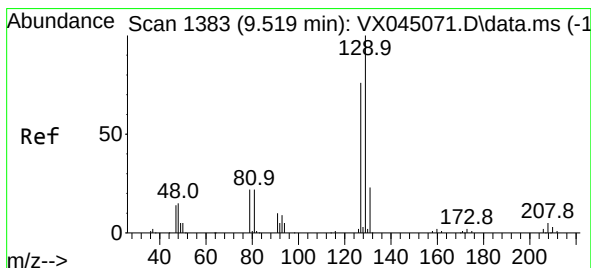
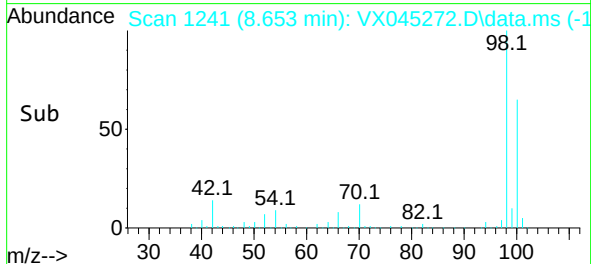
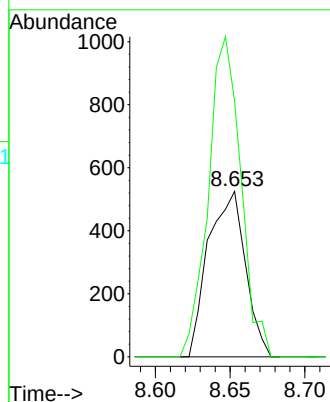
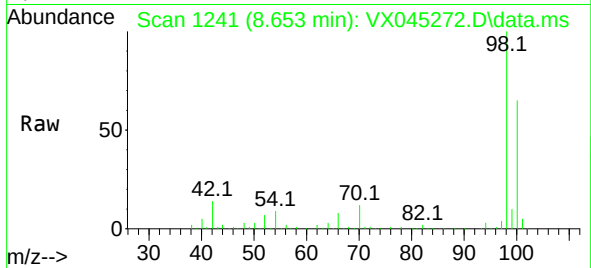




#51
 4-Methyl-2-Pentanone
 Concen: 0.595 ug/l
 RT: 8.653 min Scan# 11
 Delta R.T. 0.079 min
 Lab File: VX045272.D
 Acq: 13 Mar 2025 16:19

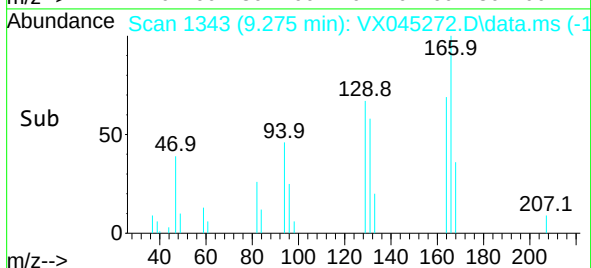
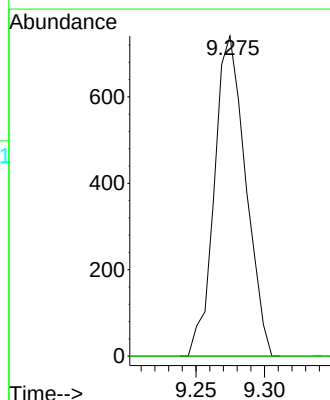
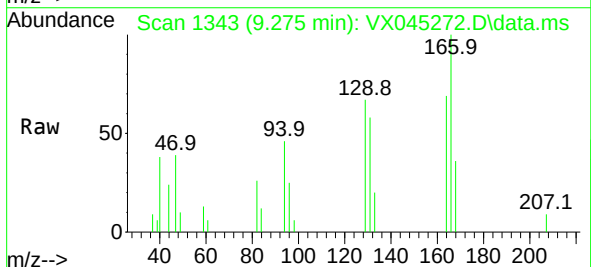
Instrument :
 MSVOA_X
 ClientSampleId :

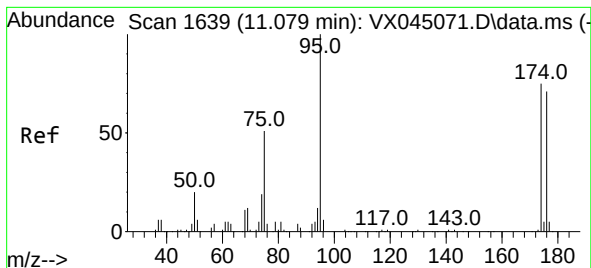
Tgt Ion: 43 Resp: 904
 Ion Ratio Lower Upper
 43 100
 58 169.9 29.2 43.8#



#60
 Dibromochloromethane
 Concen: 1.241 ug/l
 RT: 9.275 min Scan# 1343
 Delta R.T. -0.244 min
 Lab File: VX045272.D
 Acq: 13 Mar 2025 16:19

Tgt Ion: 129 Resp: 1176
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.5#

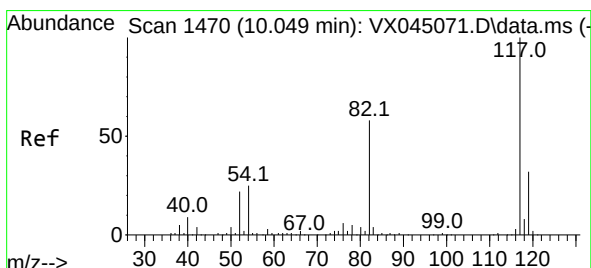
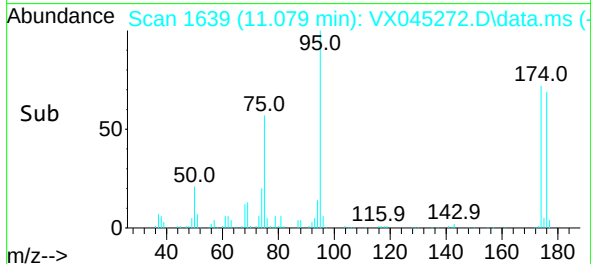
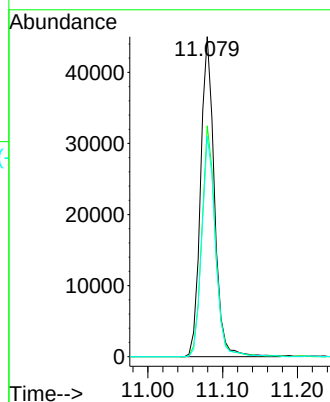
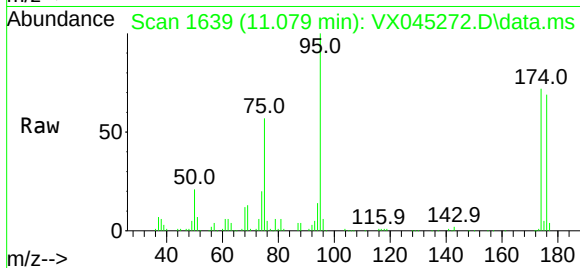




#62
4-Bromofluorobenzene
Concen: 55.387 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

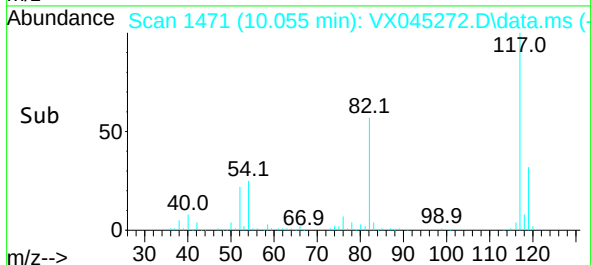
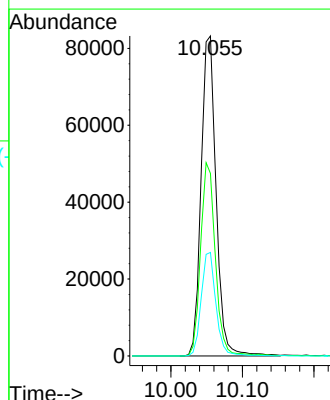
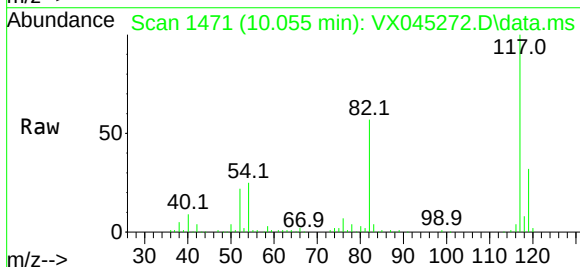
Instrument :
MSVOA_X
ClientSampleId :

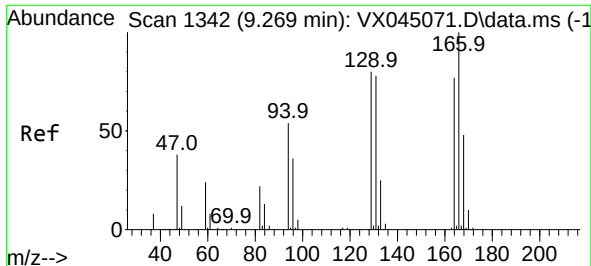
Tgt Ion: 95 Resp: 57650
Ion Ratio Lower Upper
95 100
174 70.7 0.0 148.2
176 68.6 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

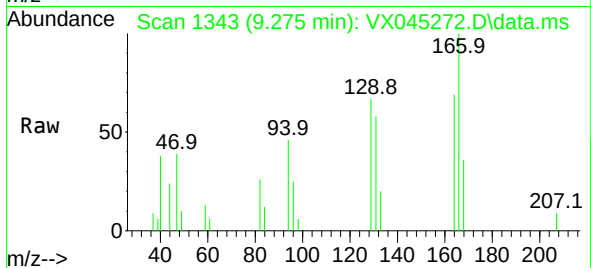
Tgt Ion: 117 Resp: 121218
Ion Ratio Lower Upper
117 100
82 57.1 46.3 69.5
119 32.4 25.7 38.5



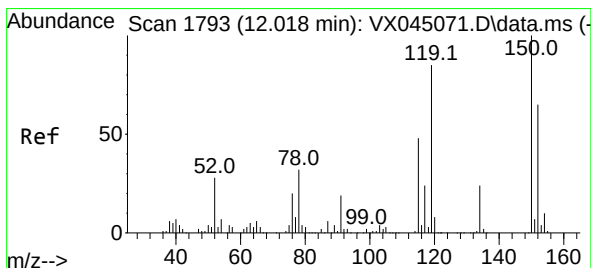
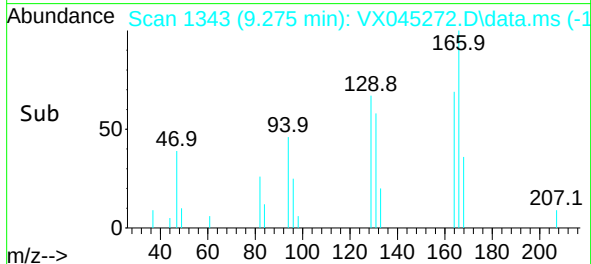
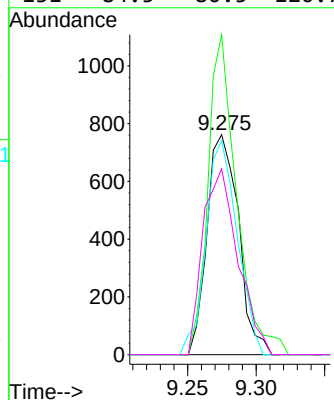


#64
Tetrachloroethene
Concen: 1.564 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

Instrument :
MSVOA_X
ClientSampleId :

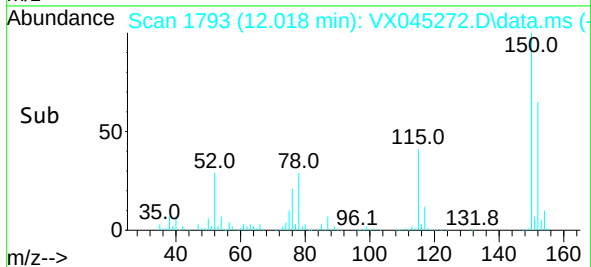
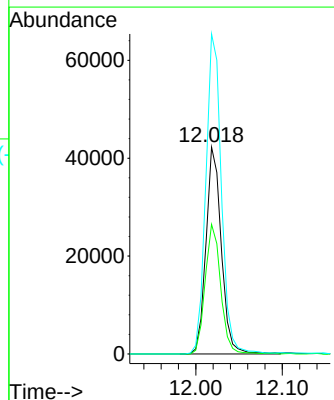
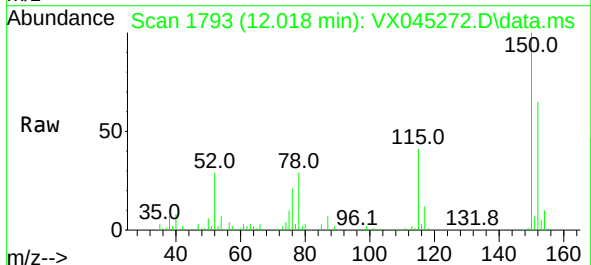


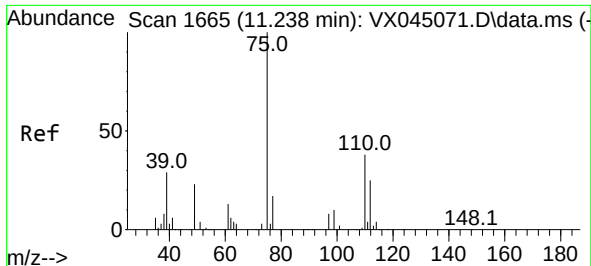
Tgt Ion:	164	Resp:	1214
Ion	Ratio	Lower	Upper
164	100		
166	145.4	103.6	155.4
129	97.2	82.7	124.1
131	84.5	80.5	120.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

Tgt Ion:	152	Resp:	52138
Ion	Ratio	Lower	Upper
152	100		
115	63.3	44.2	132.6
150	156.8	0.0	349.0

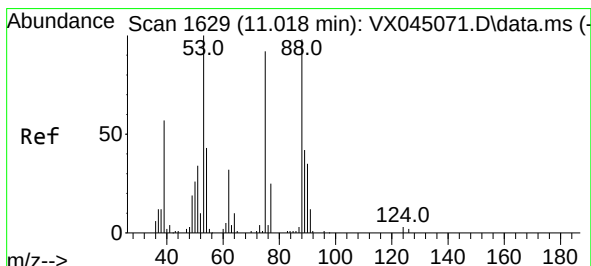
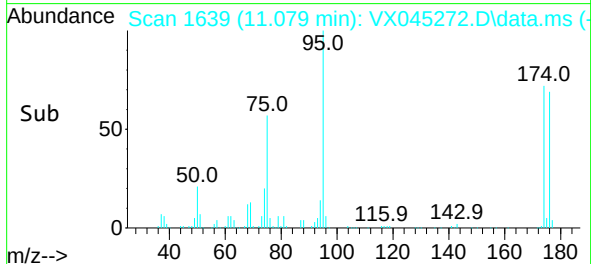
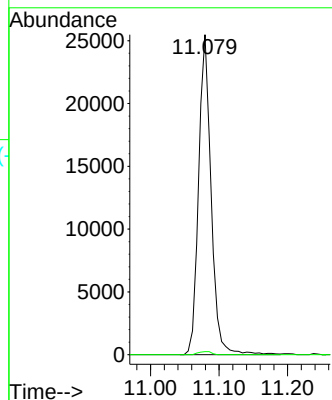
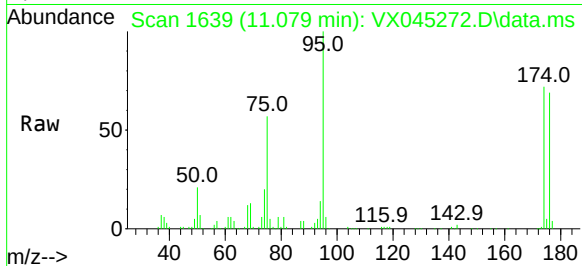




#76
1,2,3-Trichloropropane
Concen: 26.731 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

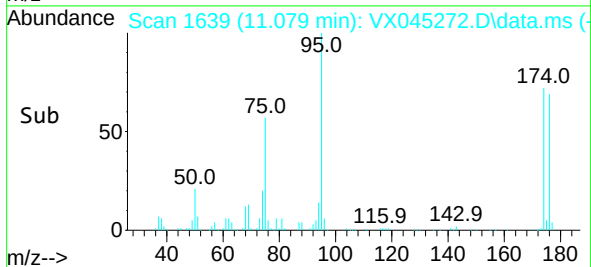
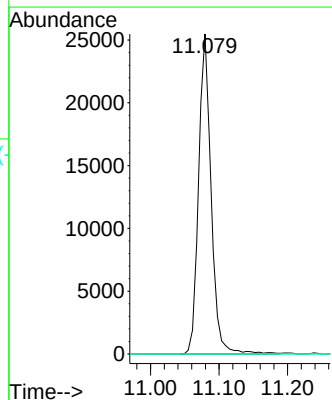
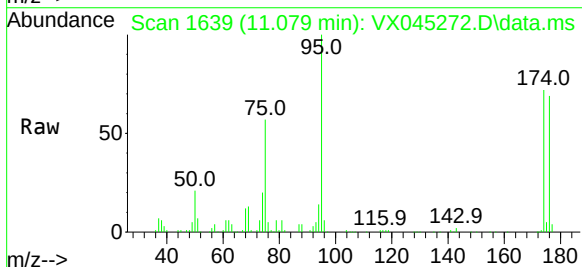
Instrument :
MSVOA_X
ClientSampleId :

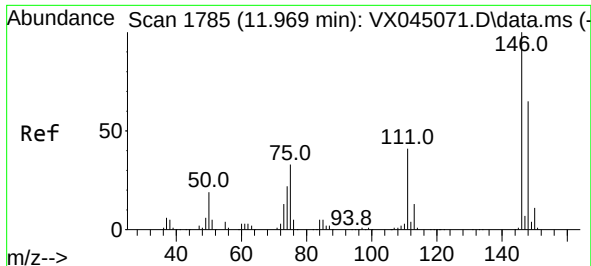
Tgt Ion: 75 Resp: 32438
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.477 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

Tgt Ion: 75 Resp: 32438
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#





#87

1,3-Dichlorobenzene

Concen: 0.271 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. 0.067 min

Lab File: VX045272.D

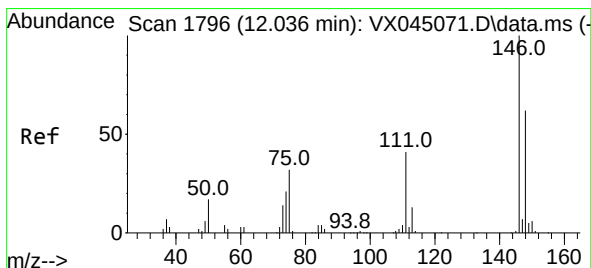
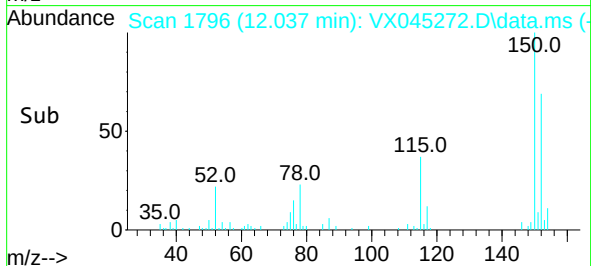
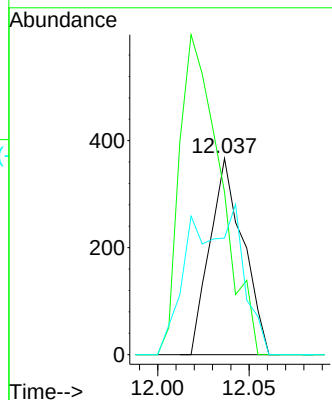
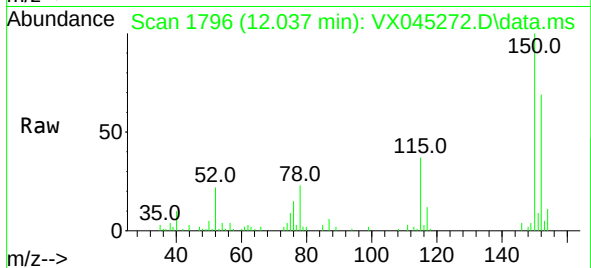
Acq: 13 Mar 2025 16:19

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:146	Resp:	465
Ion	Ratio	Lower Upper
146	100	
111	0.0	21.1 63.4#
148	119.6	31.9 95.7#



#88

1,4-Dichlorobenzene

Concen: 0.268 ug/l

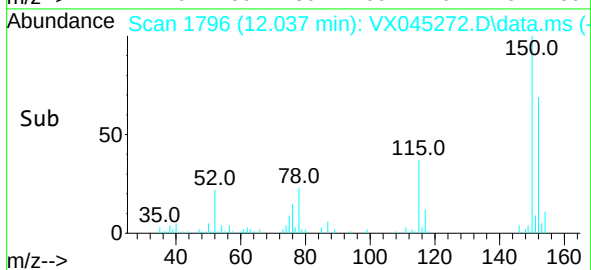
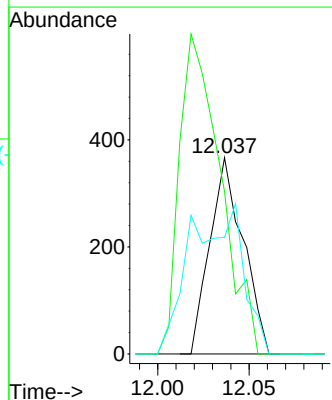
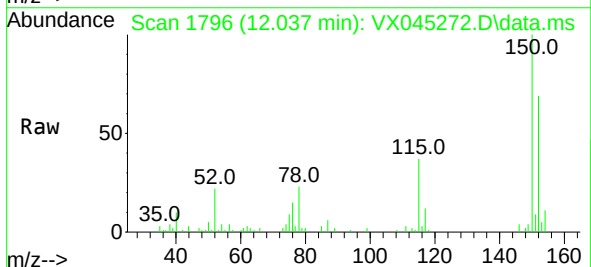
RT: 12.037 min Scan# 1796

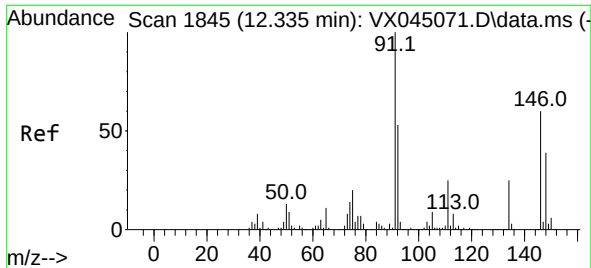
Delta R.T. 0.000 min

Lab File: VX045272.D

Acq: 13 Mar 2025 16:19

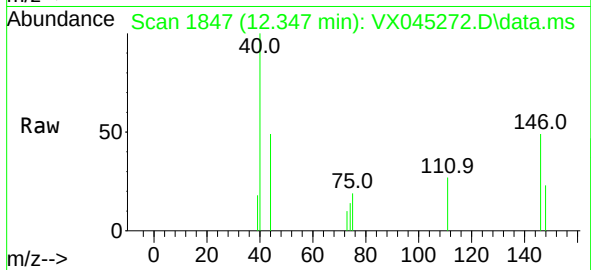
Tgt Ion:146	Resp:	465
Ion	Ratio	Lower Upper
146	100	
111	0.0	20.2 60.5#
148	119.6	31.9 95.9#





#91
1,2-Dichlorobenzene
Concen: 0.233 ug/l
RT: 12.347 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX045272.D
Acq: 13 Mar 2025 16:19

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:146 Resp: 400

Ion	Ratio	Lower	Upper
146	100		
111	45.8	21.6	65.0
148	57.3	31.9	95.9

