

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
 Data File : VX046326.D
 Acq On : 22 May 2025 13:56
 Operator : JC/MD
 Sample : Q2097-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 72-12013

Quant Time: May 23 01:46:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

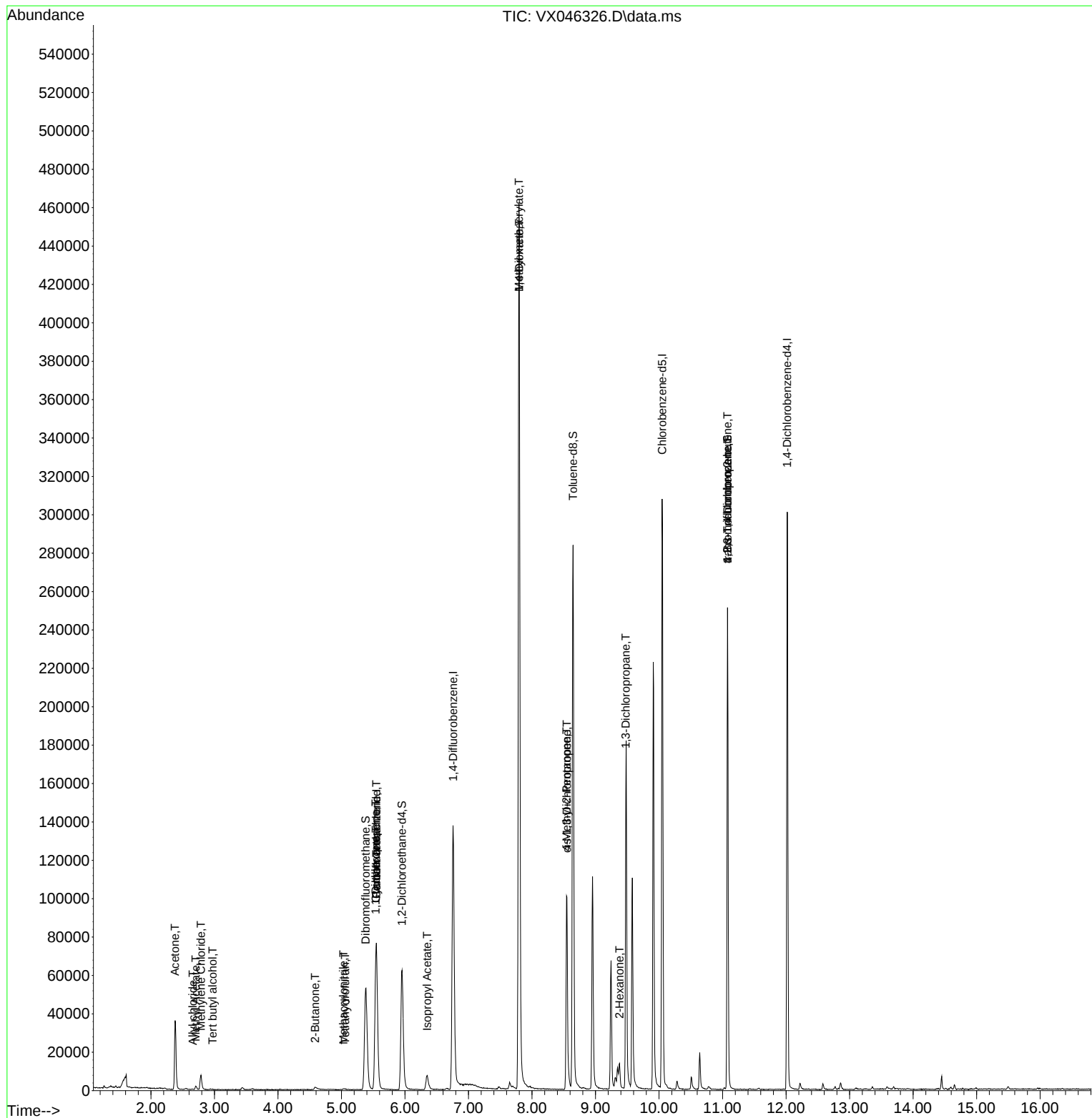
Internal Standards						
1) Pentafluorobenzene	5.550	168	64972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130184	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65366	53.964	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.920%	
35) Dibromofluoromethane	5.379	113	46852	49.977	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.960%	
50) Toluene-d8	8.647	98	163960	50.532	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.060%	
62) 4-Bromofluorobenzene	11.079	95	64209	51.590	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.180%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	199	1.170	ug/l #	72
14) Allyl chloride	2.660	41	309	0.210	ug/l #	21
16) Acetone	2.380	43	39541	81.416	ug/l	100
18) Methyl Acetate	2.703	43	2532	2.247	ug/l	99
20) Methylene Chloride	2.788	84	3510	3.771	ug/l	97
25) 2-Butanone	4.587	43	3161	4.483	ug/l #	83
29) Tetrahydrofuran	5.056	42	555	1.256	ug/l #	35
31) Cyclohexane	5.544	56	1895	1.313	ug/l #	27
36) 1,1-Dichloropropene	5.538	75	6296	4.999	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7927	5.601	ug/l #	16
41) Methacrylonitrile	5.032	41	175	0.215	ug/l #	34
43) Isopropyl Acetate	6.348	43	11810	4.975	ug/l	96
48) Methyl methacrylate	7.793	41	45576	37.590	ug/l #	49
49) 1,4-Dioxane	7.799	88	19	0.825	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	40249	25.541	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	15618	11.156	ug/l #	61
57) 1,3-Dichloropropane	9.476	76	1240	0.774	ug/l #	42
59) 2-Hexanone	9.378	43	12785	10.966	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	37594	28.407	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37594	92.485	ug/l #	1

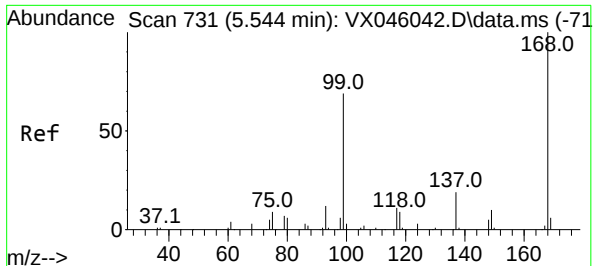
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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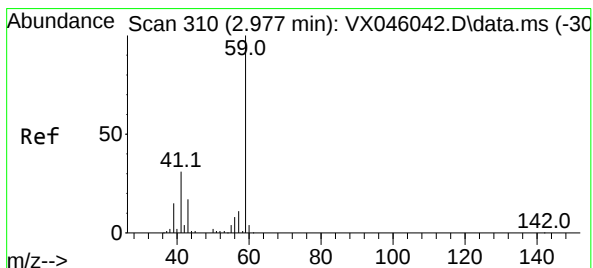
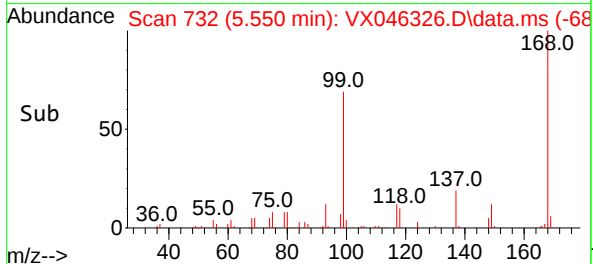
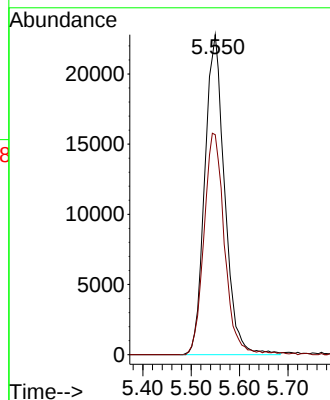
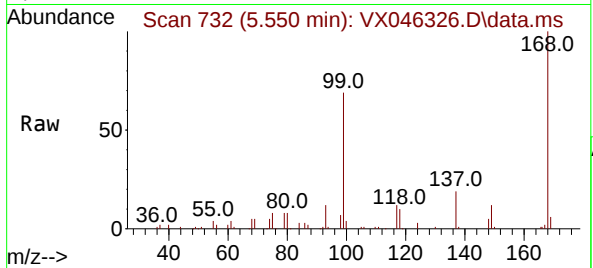




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

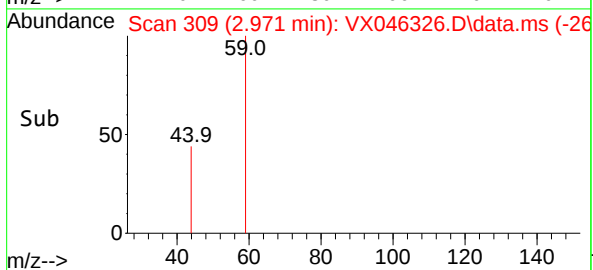
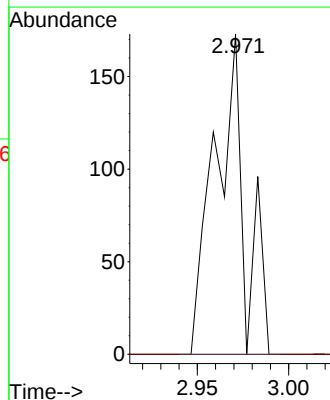
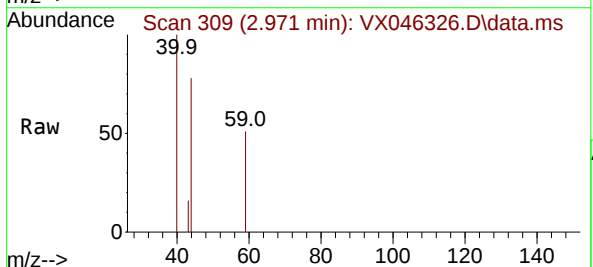
Instrument :
MSVOA_X
ClientSampleId :
72-12013

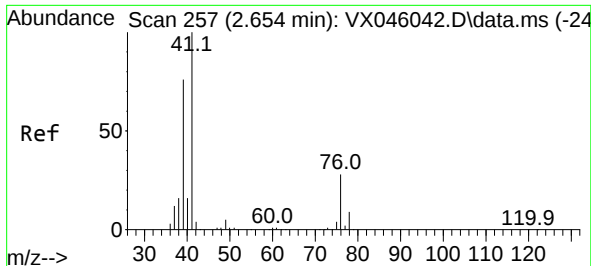
Tgt Ion:168 Resp: 64972
Ion Ratio Lower Upper
168 100
99 68.8 54.9 82.3



#11
Tert butyl alcohol
Concen: 1.170 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

Tgt Ion: 59 Resp: 199
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

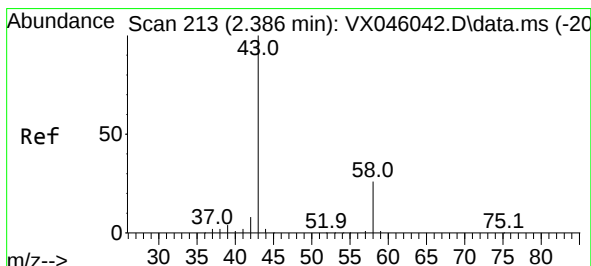
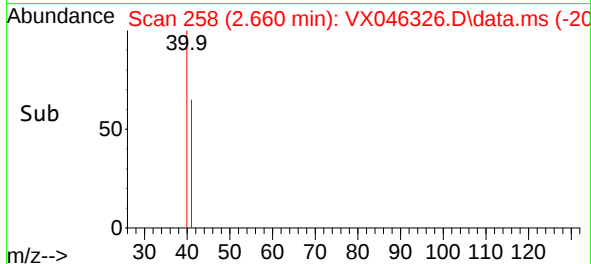
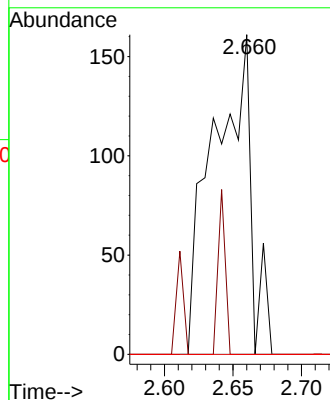
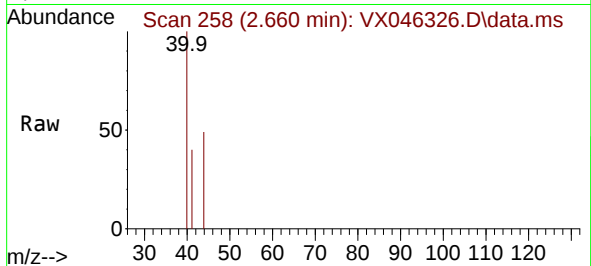




#14
 Allyl chloride
 Concen: 0.210 ug/l
 RT: 2.660 min Scan# 212
 Delta R.T. 0.006 min
 Lab File: VX046326.D
 Acq: 22 May 2025 13:56

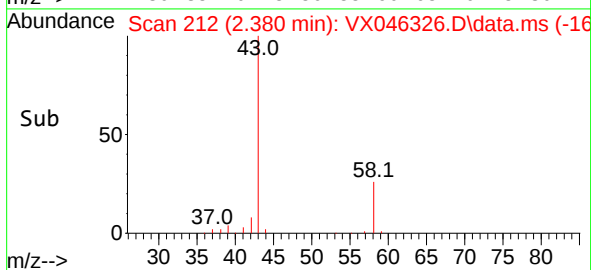
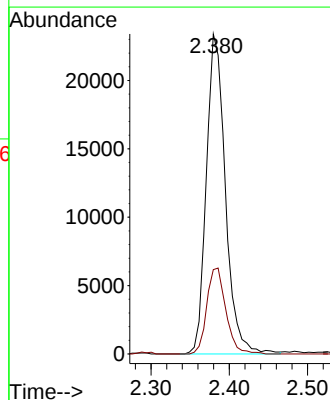
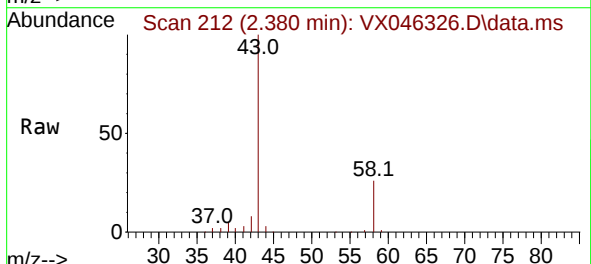
Instrument :
 MSVOA_X
 ClientSampleId :
 72-12013

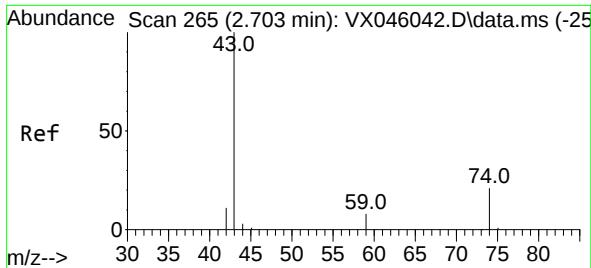
Tgt Ion: 41 Resp: 309
 Ion Ratio Lower Upper
 41 100
 39 0.0 60.6 90.8#
 76 0.0 24.9 37.3#



#16
 Acetone
 Concen: 81.416 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX046326.D
 Acq: 22 May 2025 13:56

Tgt Ion: 43 Resp: 39541
 Ion Ratio Lower Upper
 43 100
 58 26.3 21.2 31.8

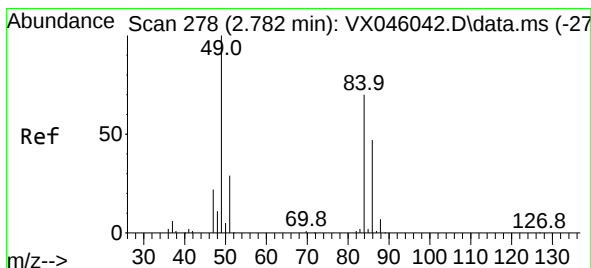
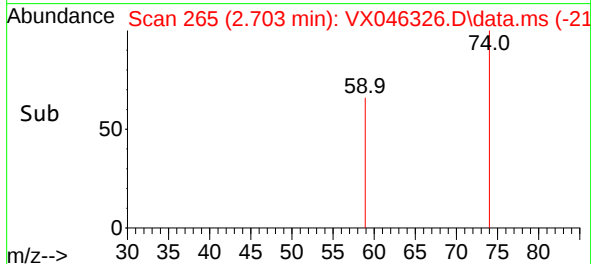
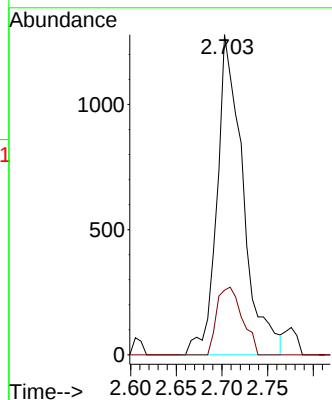
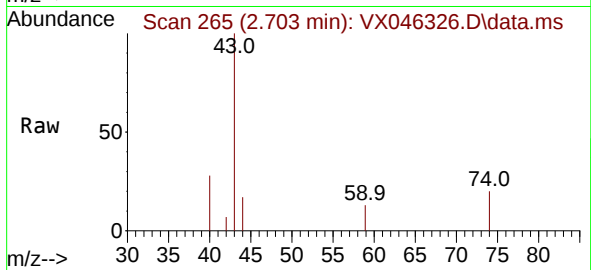




#18
Methyl Acetate
Concen: 2.247 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

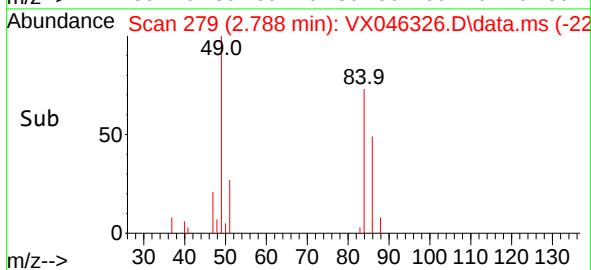
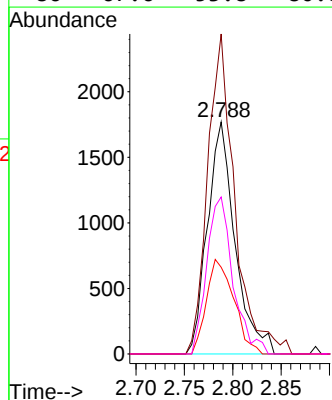
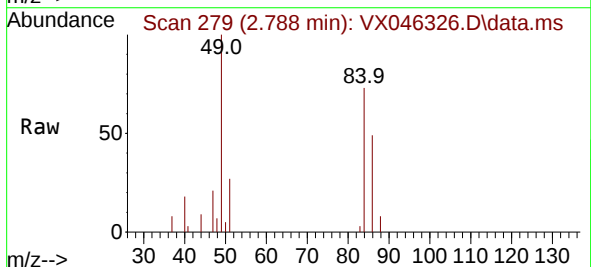
Instrument :
MSVOA_X
ClientSampleId :
72-12013

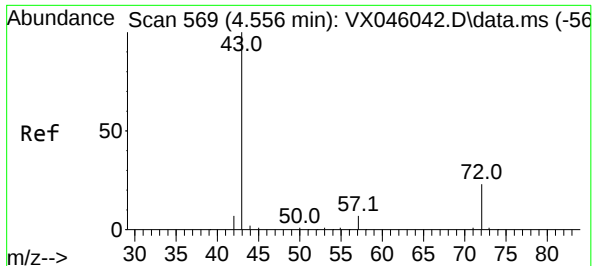
Tgt Ion: 43 Resp: 2532
Ion Ratio Lower Upper
43 100
74 20.6 16.7 25.1



#20
Methylene Chloride
Concen: 3.771 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

Tgt Ion: 84 Resp: 3510
Ion Ratio Lower Upper
84 100
49 137.9 113.9 170.9
51 37.4 33.5 50.3
86 67.6 53.8 80.8





#25

2-Butanone

Concen: 4.483 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX046326.D

Acq: 22 May 2025 13:56

Instrument :

MSVOA_X

ClientSampleId :

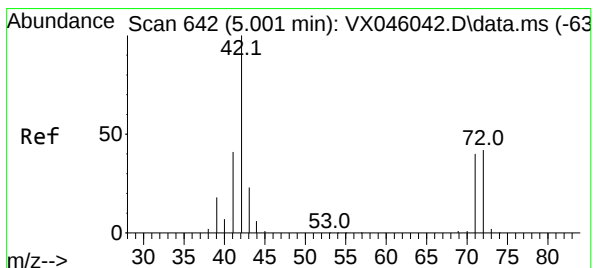
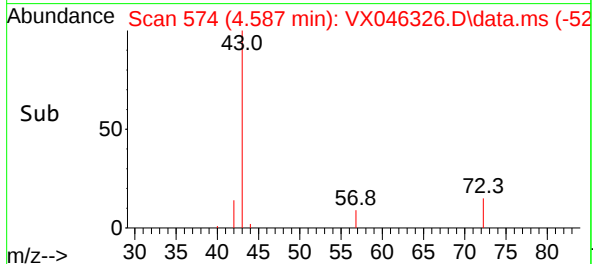
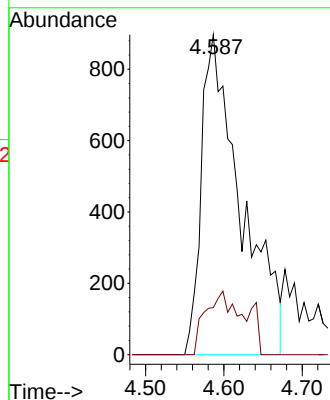
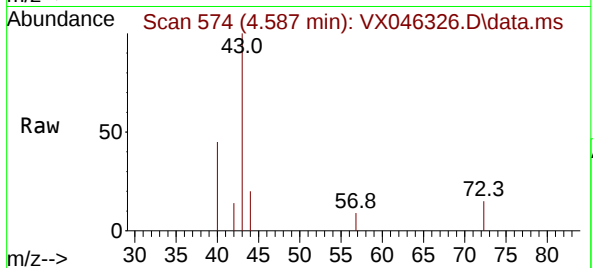
72-12013

Tgt Ion: 43 Resp: 3161

Ion Ratio Lower Upper

43 100

72 14.7 18.4 27.6#



#29

Tetrahydrofuran

Concen: 1.256 ug/l

RT: 5.056 min Scan# 651

Delta R.T. 0.055 min

Lab File: VX046326.D

Acq: 22 May 2025 13:56

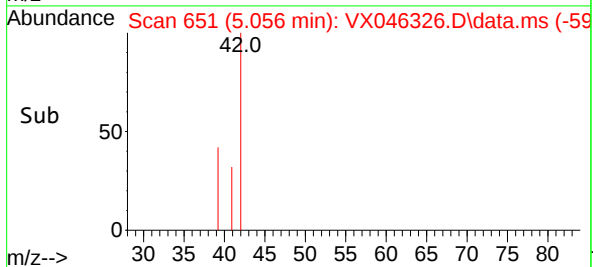
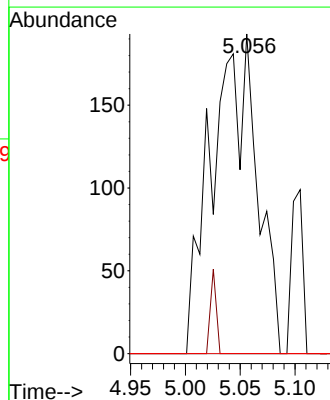
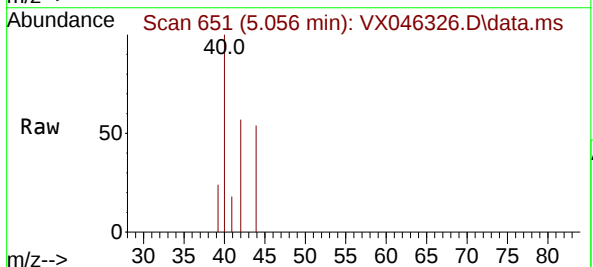
Tgt Ion: 42 Resp: 555

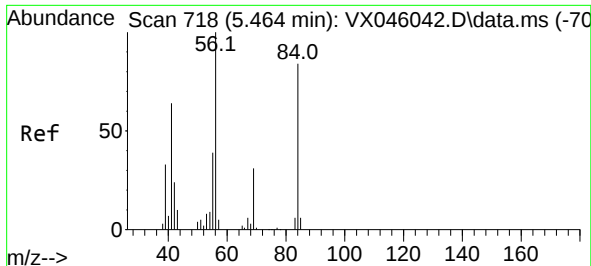
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.4 47.2#

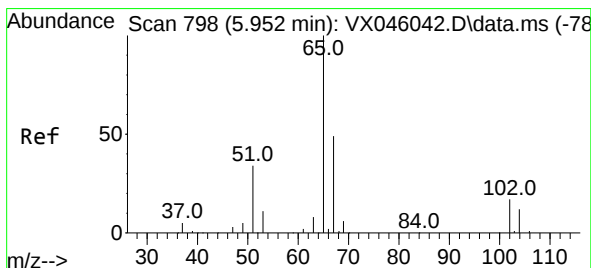
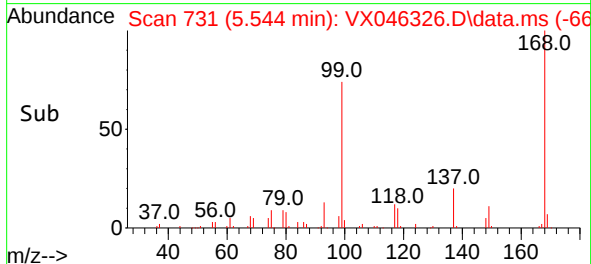
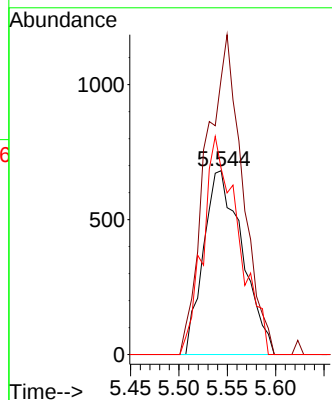
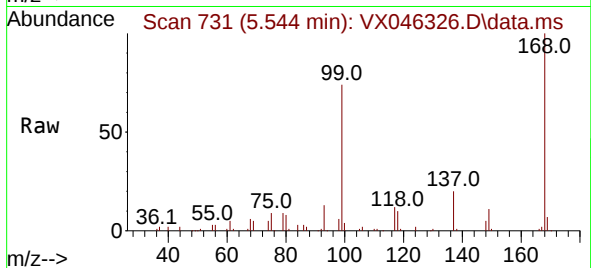




#31
Cyclohexane
Concen: 1.313 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

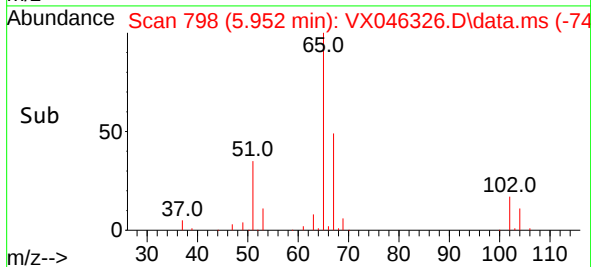
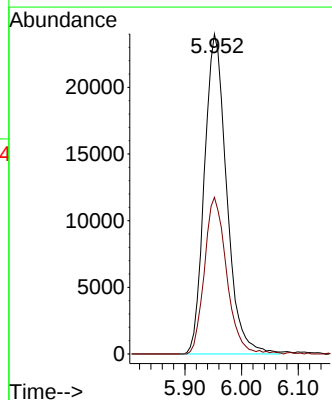
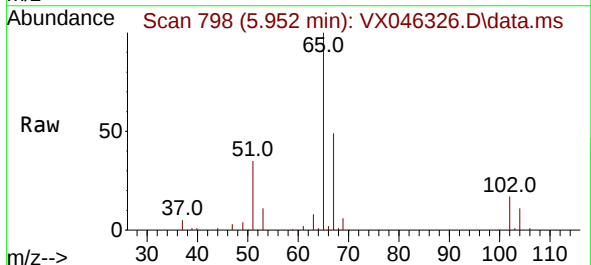
Instrument :
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72-12013

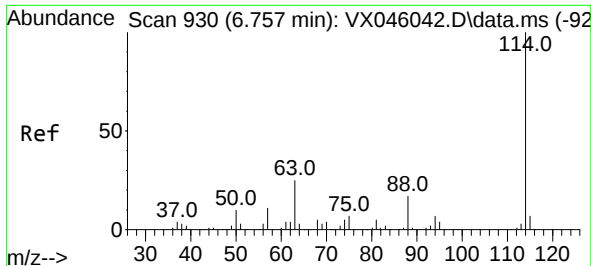
Tgt Ion: 56 Resp: 1895
Ion Ratio Lower Upper
56 100
69 150.2 24.4 36.6#
84 101.2 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 53.964 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

Tgt Ion: 65 Resp: 65366
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.0

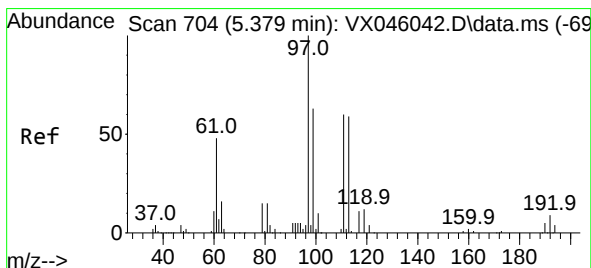
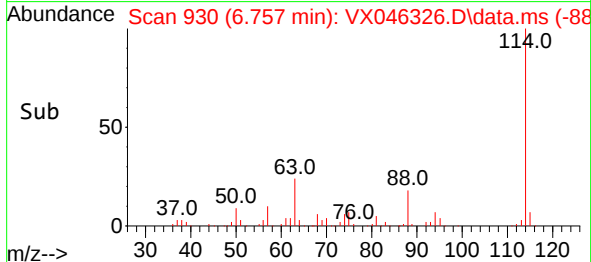
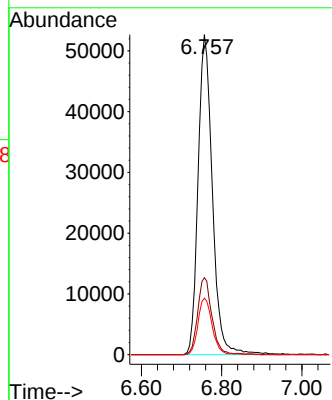
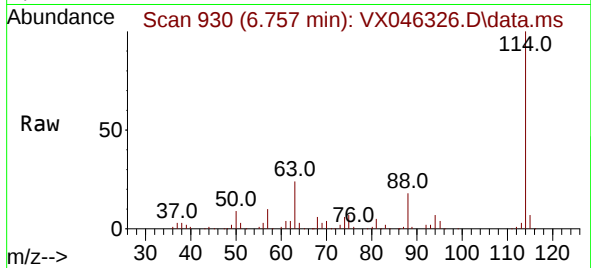




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

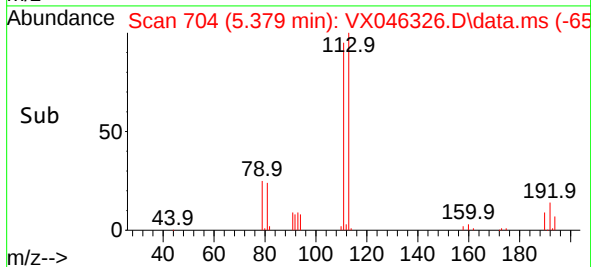
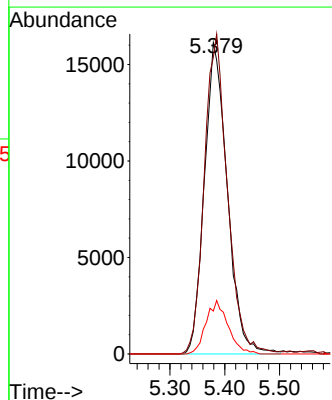
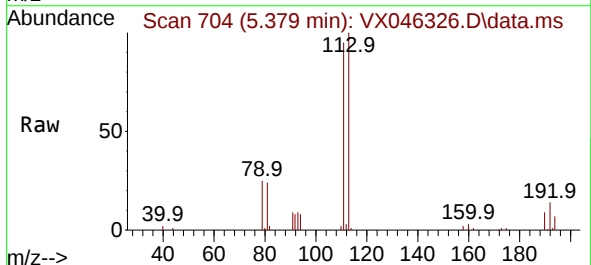
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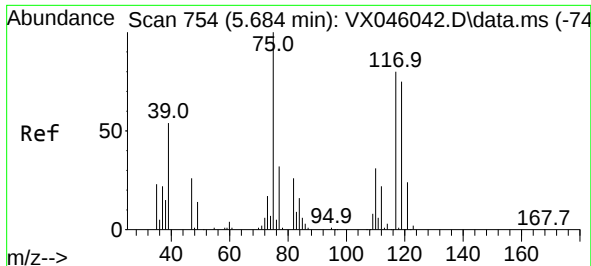
Tgt Ion:114 Resp: 130184
Ion Ratio Lower Upper
114 100
63 24.1 0.0 49.2
88 17.7 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.977 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

Tgt Ion:113 Resp: 46852
Ion Ratio Lower Upper
113 100
111 103.4 83.1 124.7
192 16.5 13.3 19.9

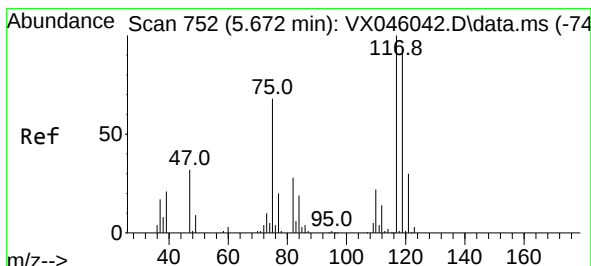
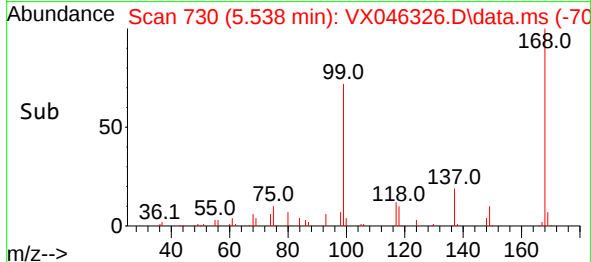
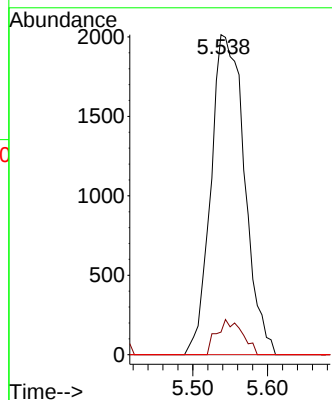
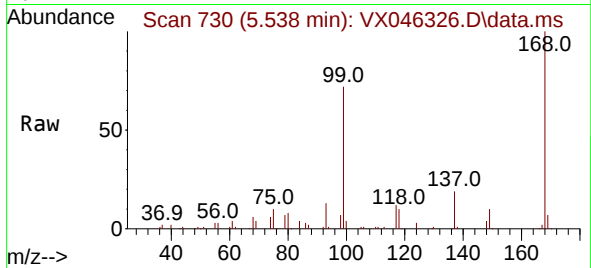




#36
1,1-Dichloropropene
Concen: 4.999 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

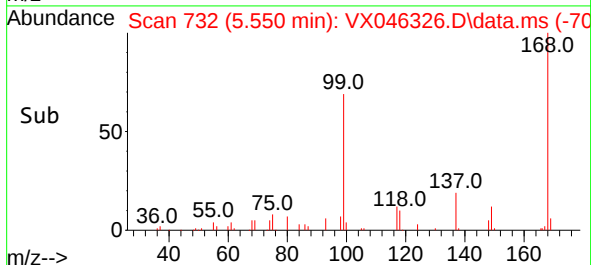
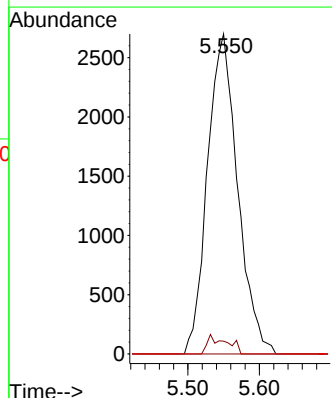
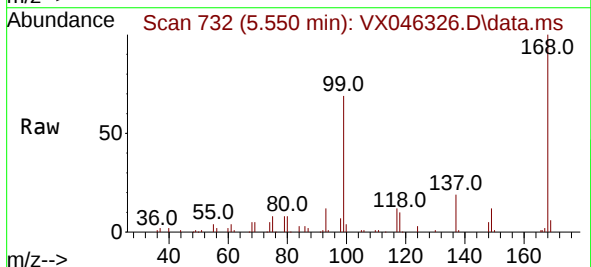
Instrument :
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72-12013

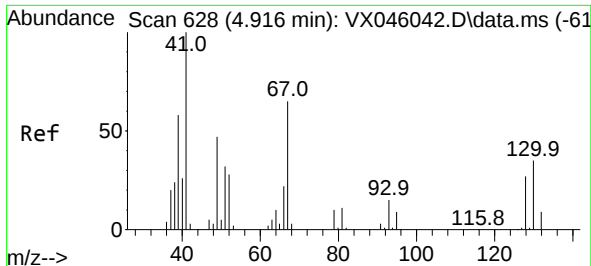
Tgt Ion: 75 Resp: 6296
Ion Ratio Lower Upper
75 100
110 8.4 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.601 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

Tgt Ion: 117 Resp: 7927
Ion Ratio Lower Upper
117 100
119 4.0 75.2 112.8#
121 0.0 24.2 36.4#

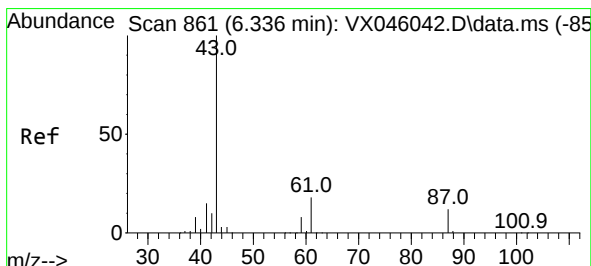
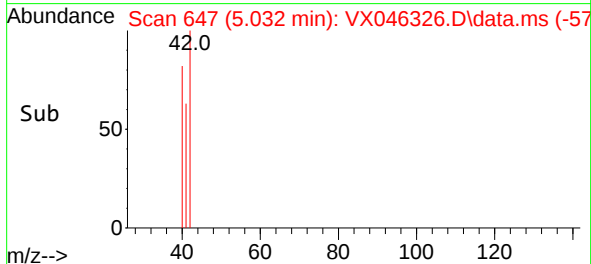
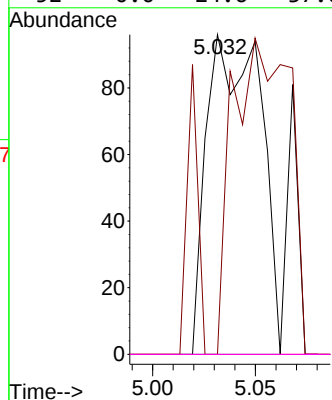
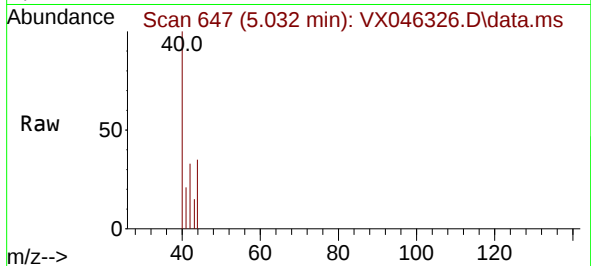




#41
Methacrylonitrile
Concen: 0.215 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

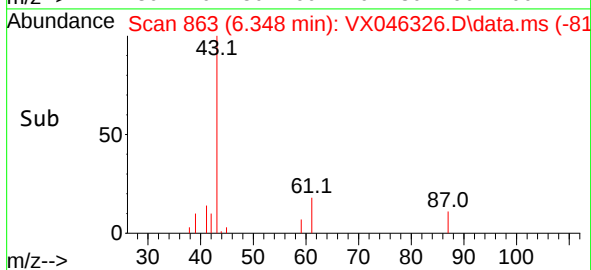
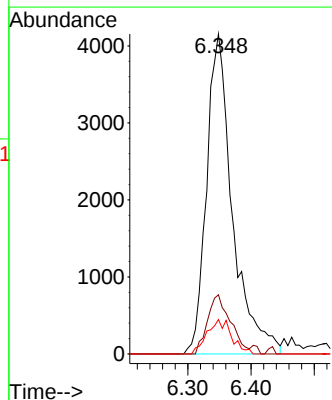
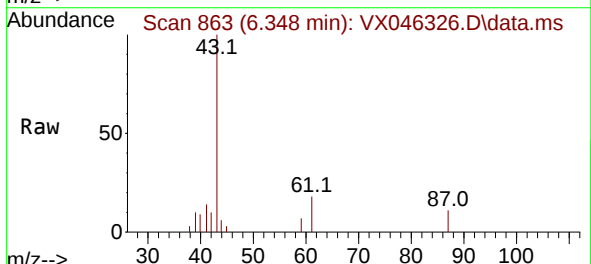
Instrument :
MSVOA_X
ClientSampleId :
72-12013

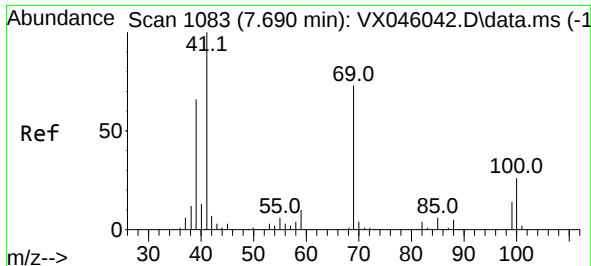
Tgt Ion:	41	Resp:	175
Ion	Ratio	Lower	Upper
41	100		
39	18.3	47.2	70.8#
67	0.0	50.7	76.1#
52	0.0	24.6	37.0#



#43
Isopropyl Acetate
Concen: 4.975 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

Tgt Ion:	43	Resp:	11810
Ion	Ratio	Lower	Upper
43	100		
61	16.4	14.3	21.5
87	10.2	9.5	14.3

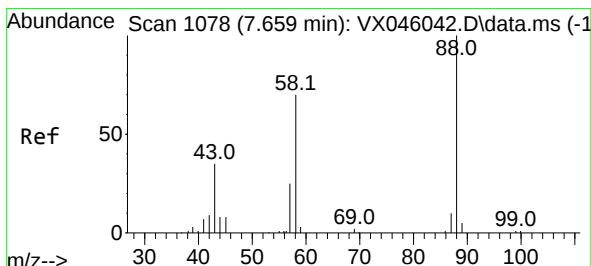
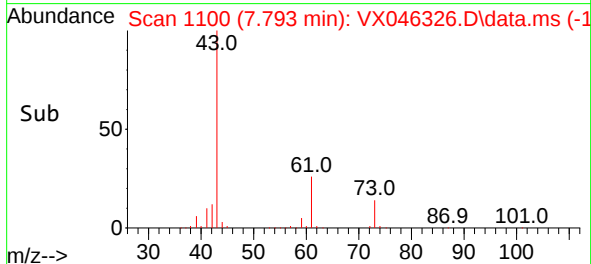
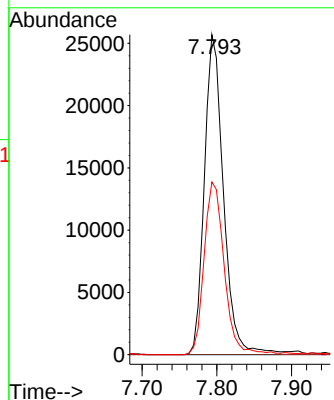
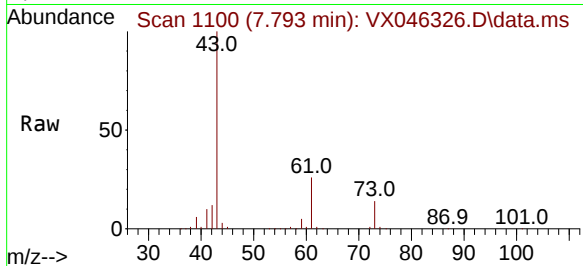




#48
Methyl methacrylate
Concen: 37.590 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

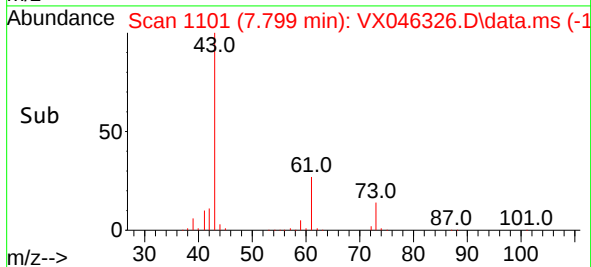
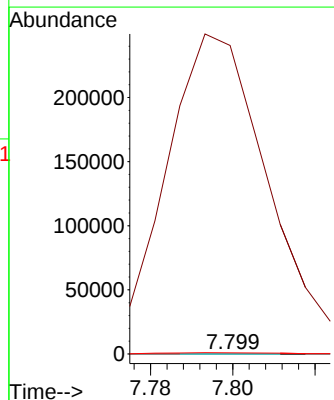
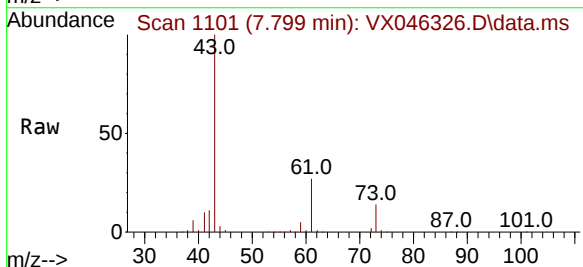
Instrument :
MSVOA_X
ClientSampleId :
72-12013

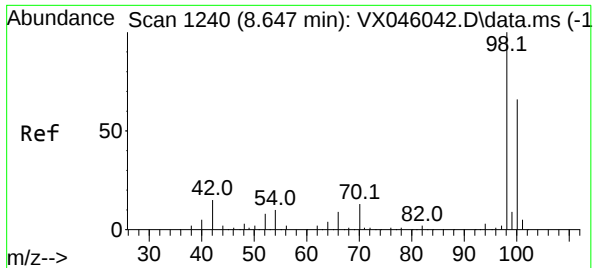
Tgt Ion: 41 Resp: 45576
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.0 51.7 77.5



#49
1,4-Dioxane
Concen: 0.825 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 2375884.2 33.4 50.2#
58 10600.0 58.6 88.0#

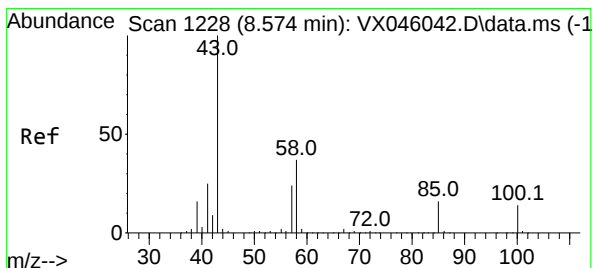
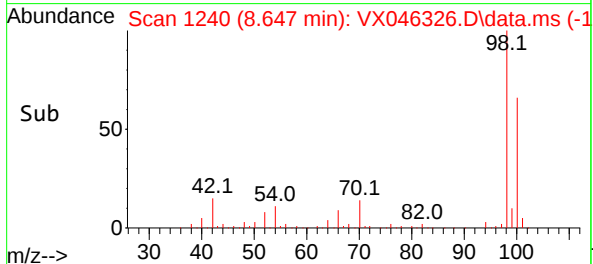
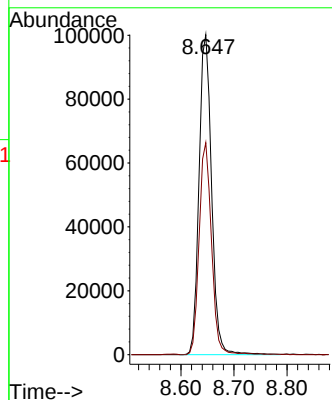
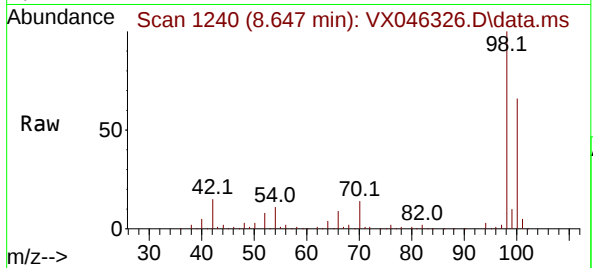




#50
Toluene-d8
Concen: 50.532 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

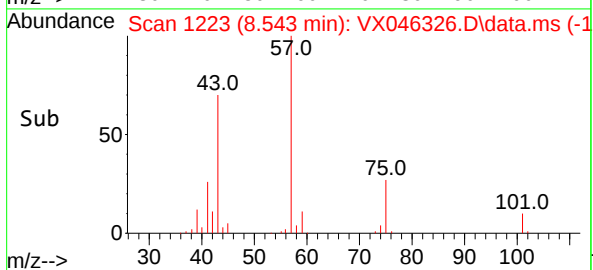
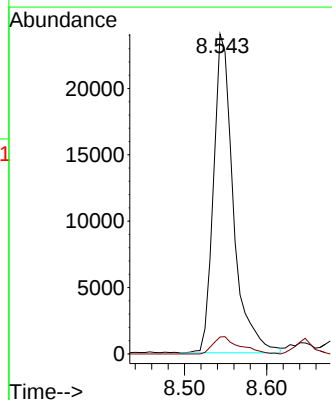
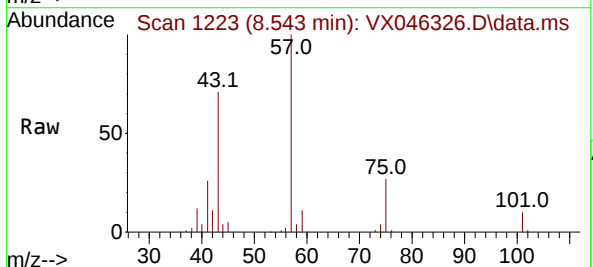
Instrument :
MSVOA_X
ClientSampleId :
72-12013

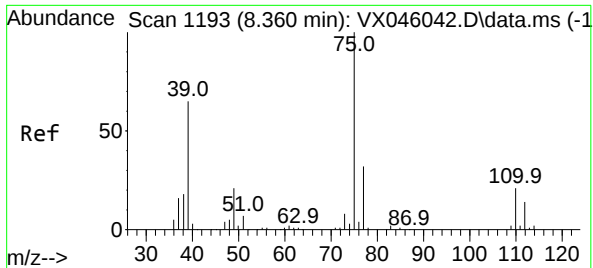
Tgt Ion: 98 Resp: 163960
Ion Ratio Lower Upper
98 100
100 65.5 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 25.541 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

Tgt Ion: 43 Resp: 40249
Ion Ratio Lower Upper
43 100
58 7.3 28.9 43.3#

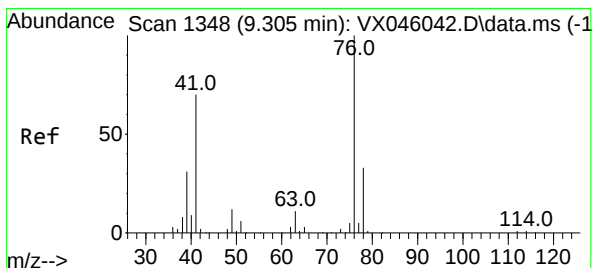
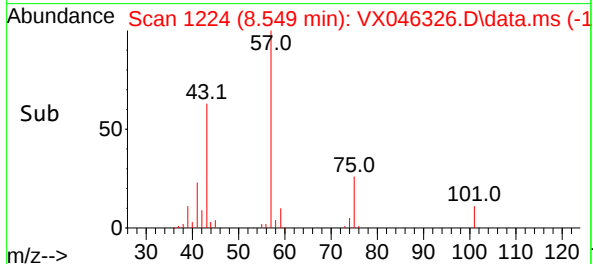
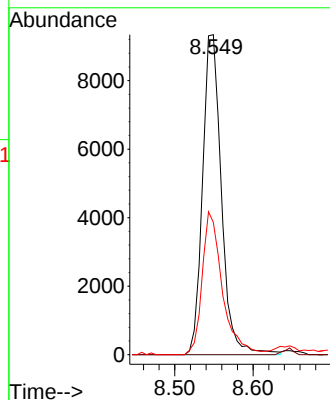
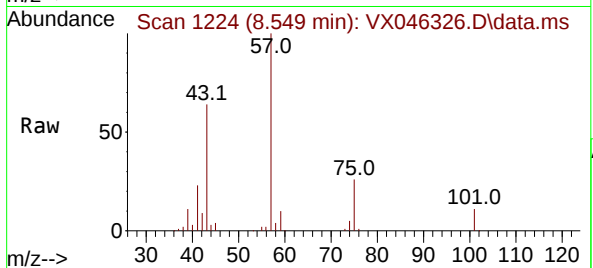




#54
 cis-1,3-Dichloropropene
 Concen: 11.156 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046326.D
 Acq: 22 May 2025 13:56

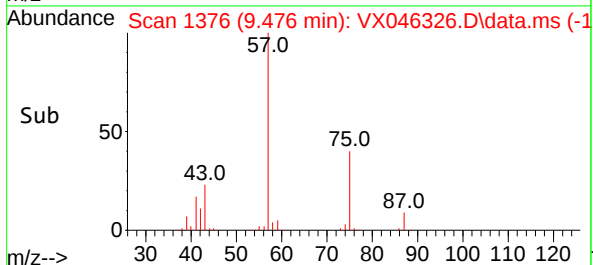
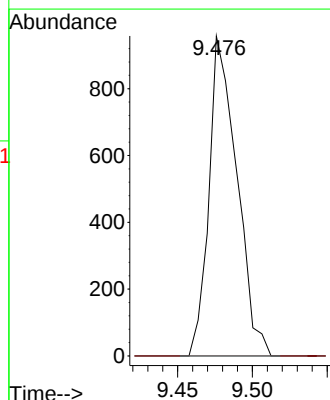
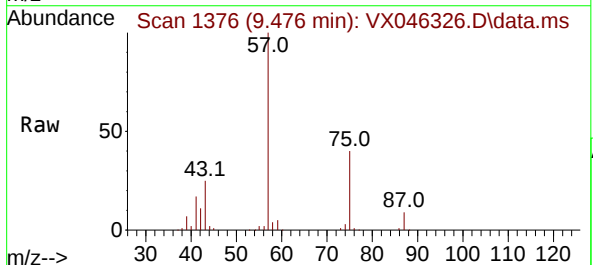
Instrument :
 MSVOA_X
 ClientSampleId :
 72-12013

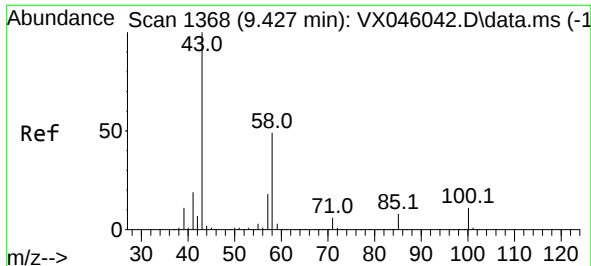
Tgt Ion: 75 Resp: 15618
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 41.3 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.774 ug/l
 RT: 9.476 min Scan# 1376
 Delta R.T. 0.171 min
 Lab File: VX046326.D
 Acq: 22 May 2025 13:56

Tgt Ion: 76 Resp: 1240
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

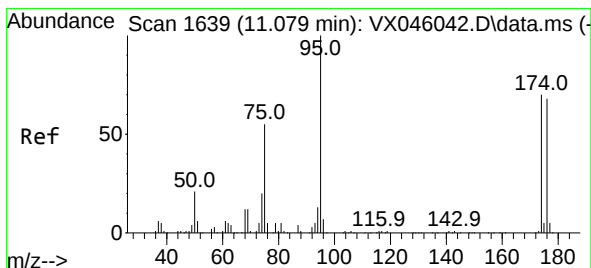
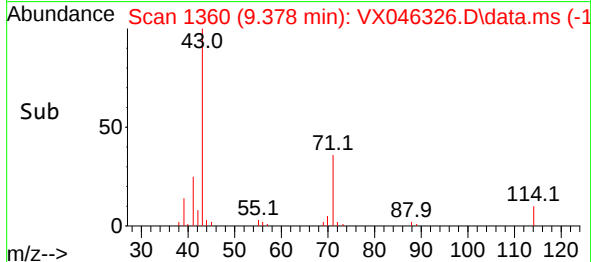
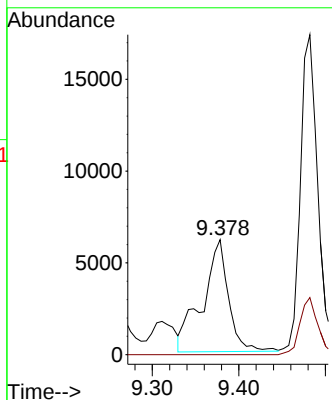
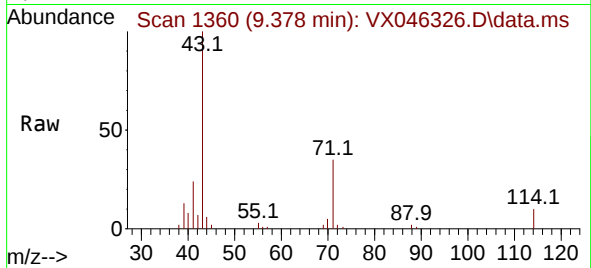




#59
2-Hexanone
Concen: 10.966 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

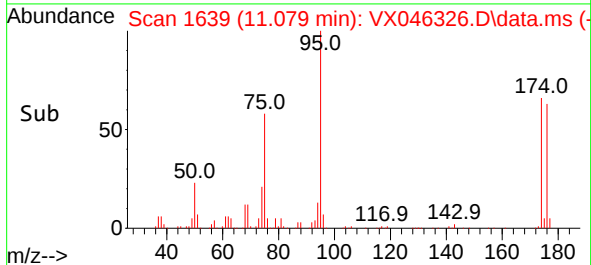
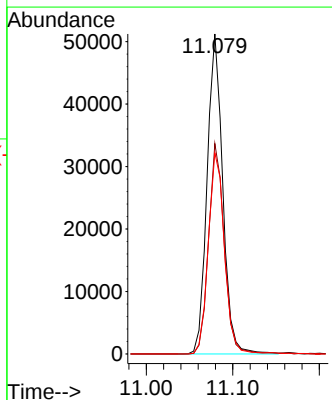
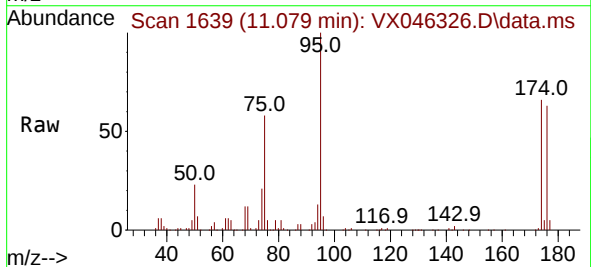
Instrument :
MSVOA_X
ClientSampleId :
72-12013

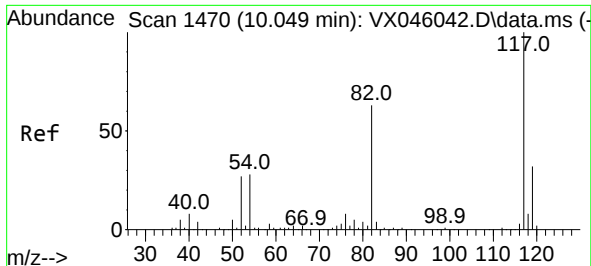
Tgt Ion: 43 Resp: 12785
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 51.590 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

Tgt Ion: 95 Resp: 64209
Ion Ratio Lower Upper
95 100
174 65.9 0.0 135.8
176 65.1 0.0 131.4

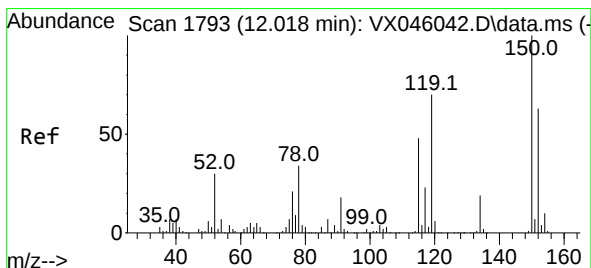
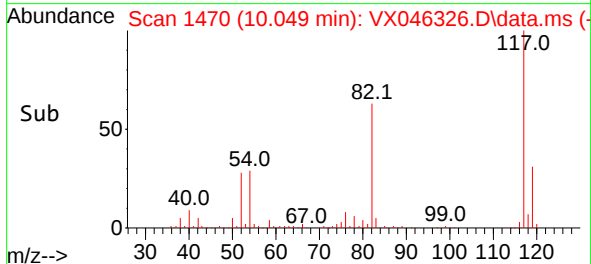
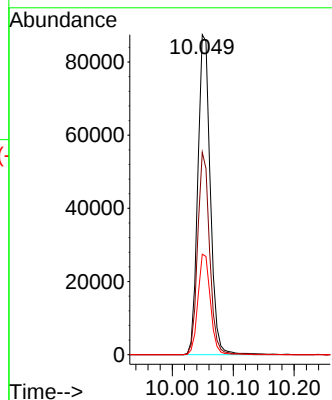
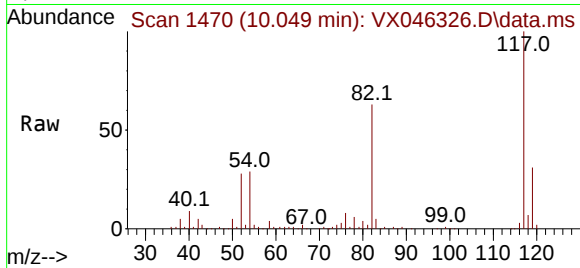




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

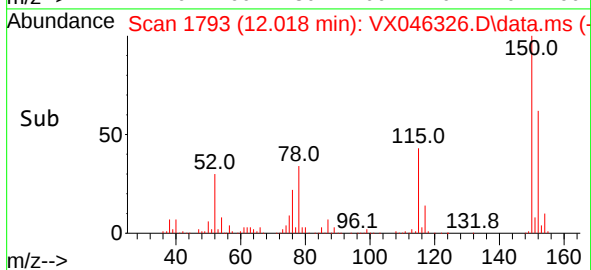
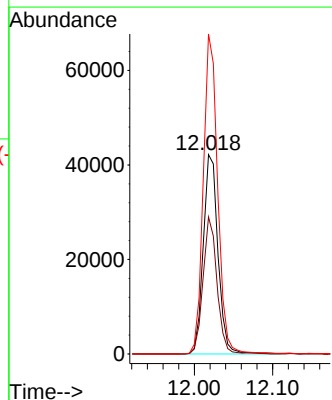
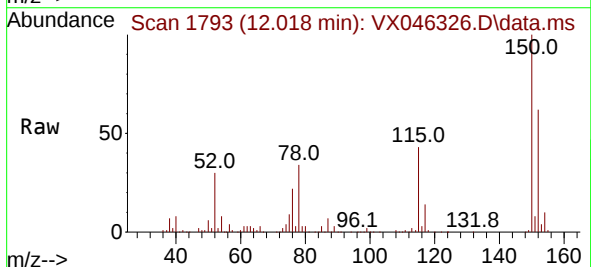
Instrument :
MSVOA_X
ClientSampleId :
72-12013

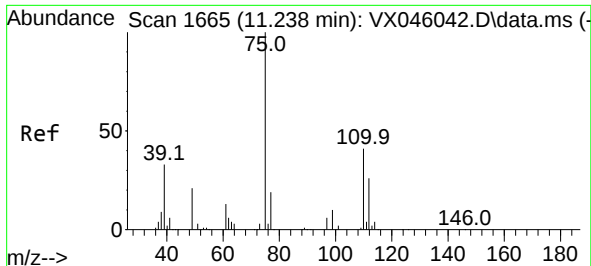
Tgt Ion:117 Resp: 124006
Ion Ratio Lower Upper
117 100
82 63.3 50.6 76.0
119 31.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

Tgt Ion:152 Resp: 54980
Ion Ratio Lower Upper
152 100
115 65.5 46.9 140.7
150 157.1 0.0 351.0

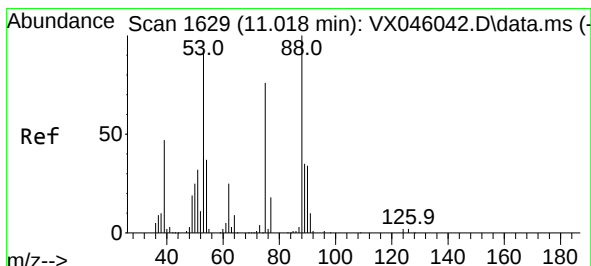
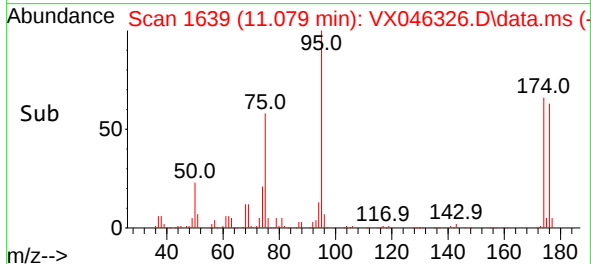
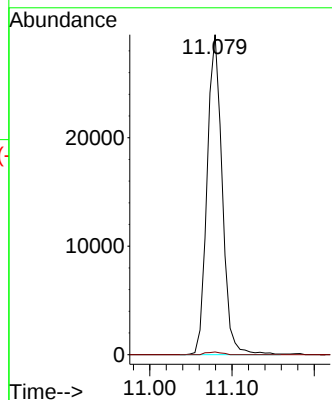
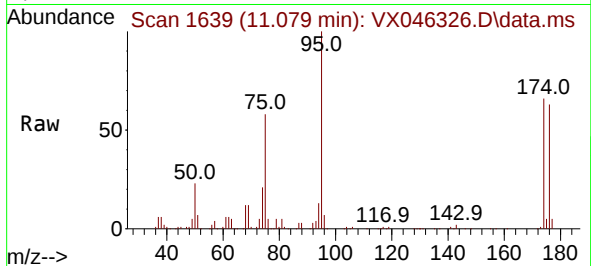




#76
1,2,3-Trichloropropane
Concen: 28.407 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

Instrument :
MSVOA_X
ClientSampleId :
72-12013

Tgt Ion: 75 Resp: 37594
Ion Ratio Lower Upper
75 100
77 0.9 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.485 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046326.D
Acq: 22 May 2025 13:56

Tgt Ion: 75 Resp: 37594
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

