

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090225\
 Data File : VX047583.D
 Acq On : 02 Sep 2025 14:47
 Operator : JC/MD
 Sample : Q2990-04 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 307

Quant Time: Sep 03 02:18:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:31:18 2025
 Response via : Initial Calibration

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

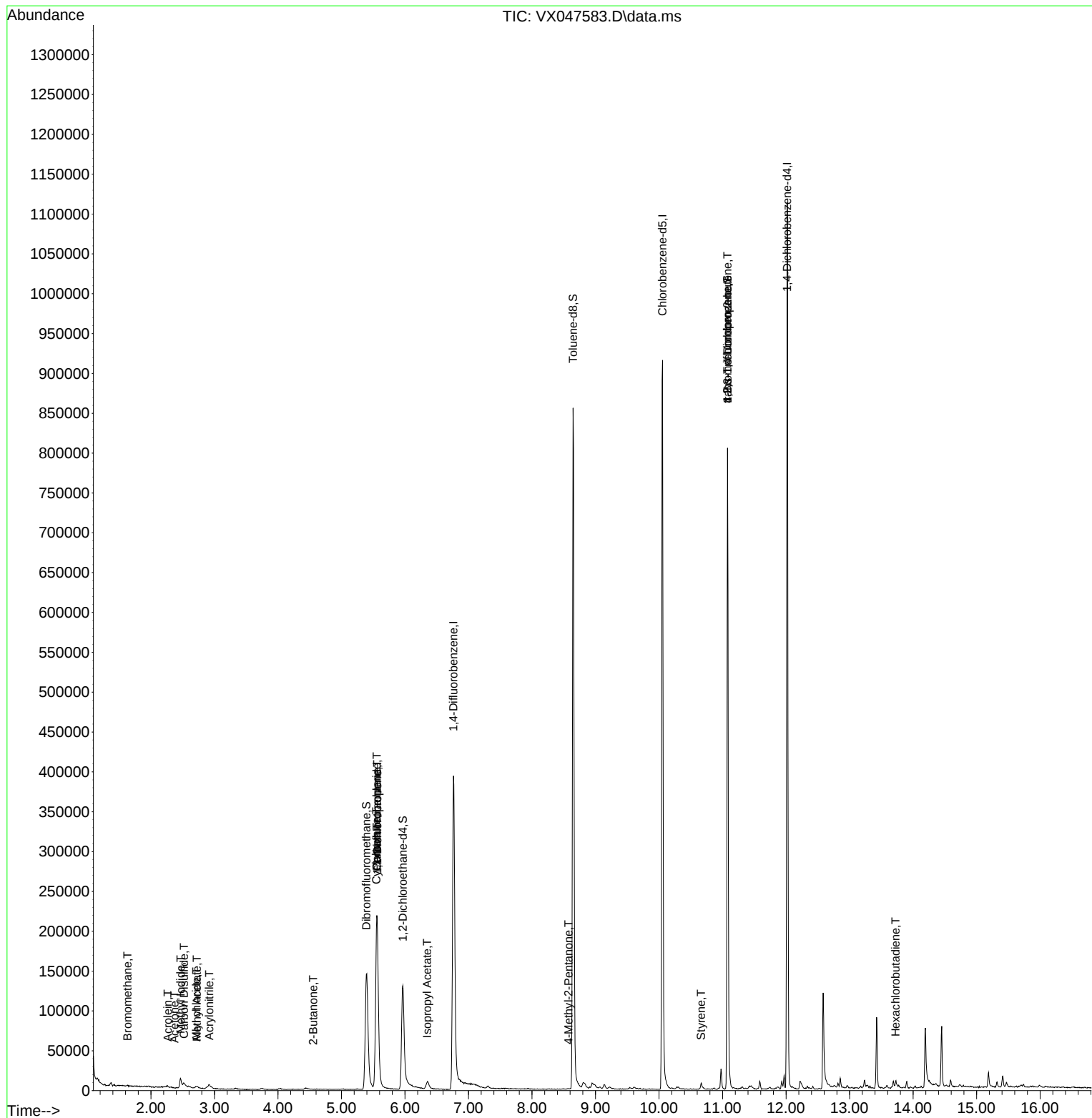
Internal Standards						
1) Pentafluorobenzene	5.556	168	212884	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	427622	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	433451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	222952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155952	47.704	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.400%
35) Dibromofluoromethane	5.391	113	143517	48.899	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.800%
50) Toluene-d8	8.647	98	529302	51.451	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.900%
62) 4-Bromofluorobenzene	11.079	95	222862	57.665	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.340%
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	492	0.380	ug/l	92
10) Methyl Iodide	2.465	142	16272	3.877	ug/l	98
13) Acrolein	2.264	56	2626	4.360	ug/l	98
14) Allyl chloride	2.715	41	2344	0.476	ug/l #	63
15) Acrylonitrile	2.916	53	308	0.229	ug/l #	26
16) Acetone	2.367	43	315	0.243	ug/l #	75
17) Carbon Disulfide	2.520	76	4434	0.555	ug/l #	83
18) Methyl Acetate	2.721	43	2843	0.891	ug/l #	53
25) 2-Butanone	4.556	43	434	0.255	ug/l #	51
31) Cyclohexane	5.550	56	4646	1.011	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	18107	4.335	ug/l #	49
38) Carbon Tetrachloride	5.556	117	22677	4.893	ug/l #	17
43) Isopropyl Acetate	6.348	43	9898	1.496	ug/l #	62
51) 4-Methyl-2-Pentanone	8.574	43	801	0.205	ug/l #	71
70) Styrene	10.659	104	3655	0.345	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	114401	28.750	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	114401	101.772	ug/l #	7
94) Hexachlorobutadiene	13.725	225	402	0.247	ug/l	97

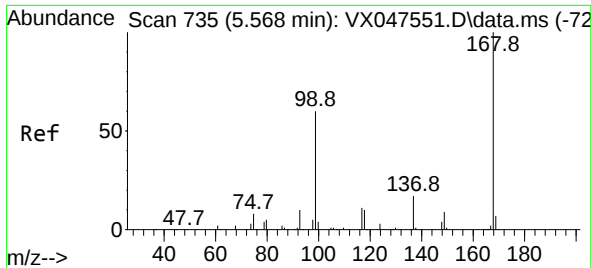
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 29 02:31:18 2025
Response via : Initial Calibration

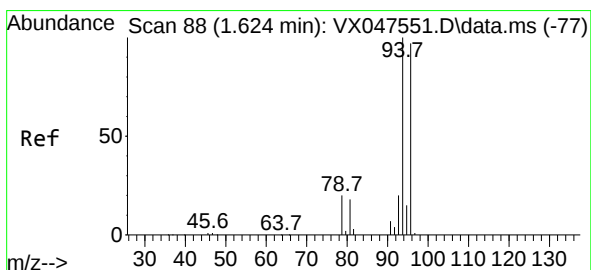
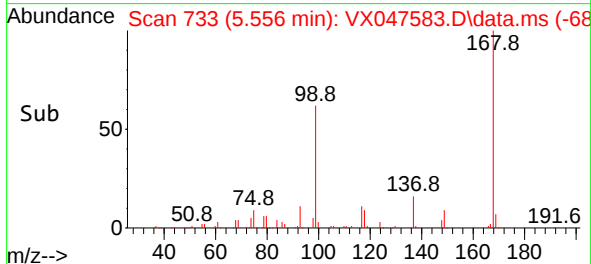
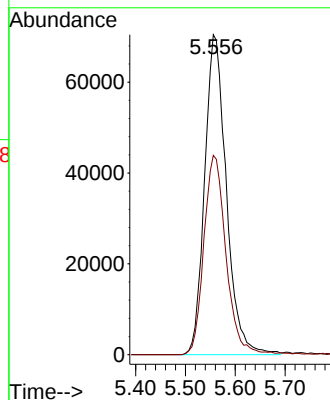
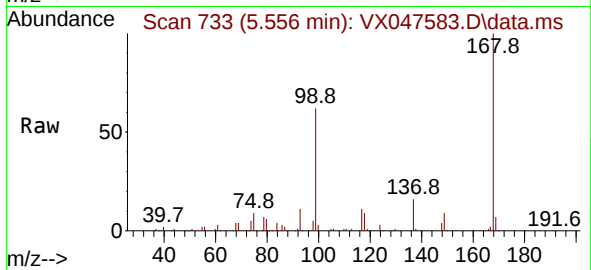




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

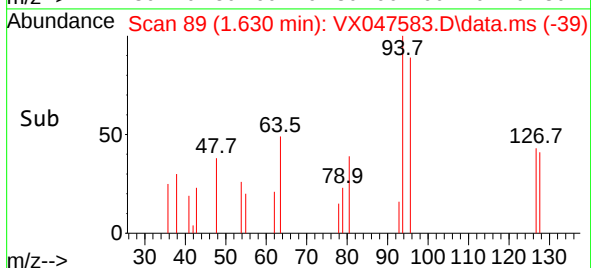
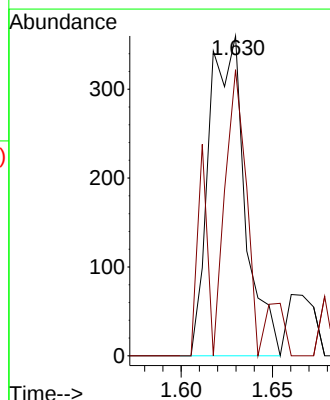
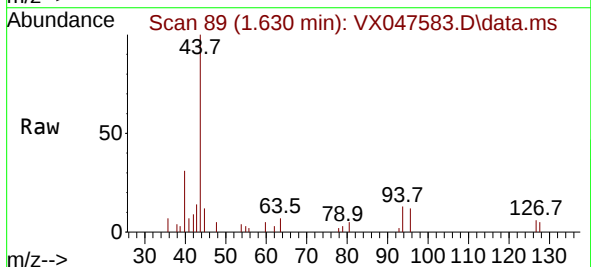
Instrument :
MSVOA_X
ClientSampleId :
307

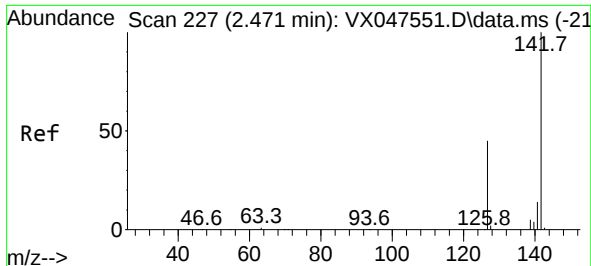
Tgt Ion:168 Resp: 212884
Ion Ratio Lower Upper
168 100
99 62.3 48.9 73.3



#5
Bromomethane
Concen: 0.380 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

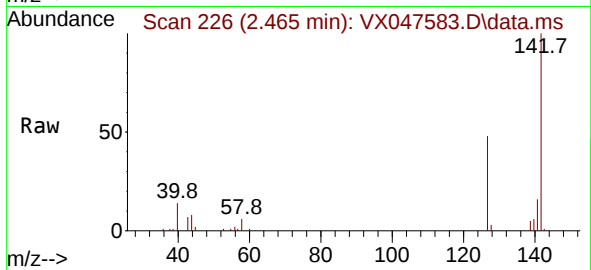
Tgt Ion: 94 Resp: 492
Ion Ratio Lower Upper
94 100
96 89.4 77.7 116.5



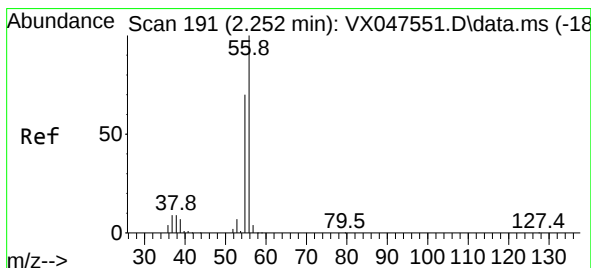
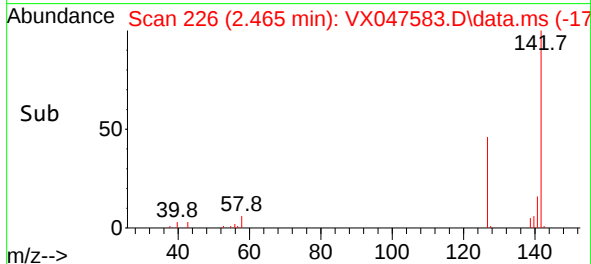
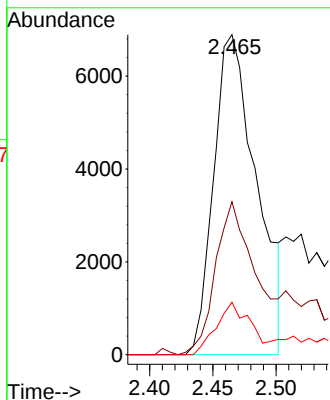


#10
Methyl Iodide
Concen: 3.877 ug/l
RT: 2.465 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
307

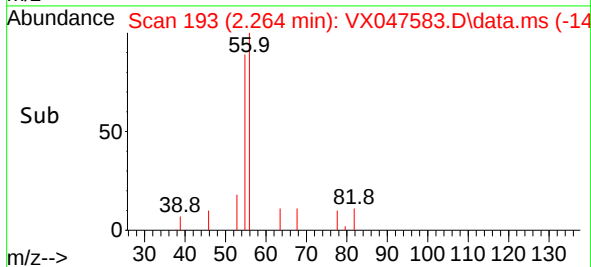
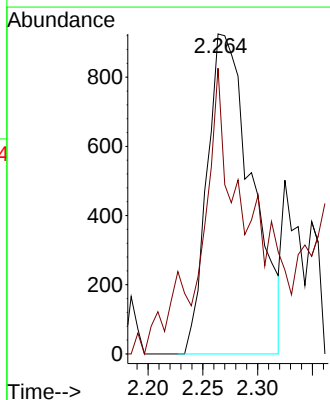
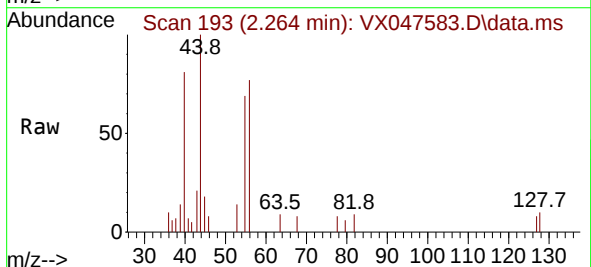


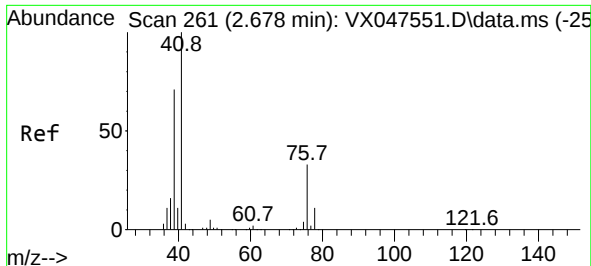
Tgt Ion:142 Resp: 16272
Ion Ratio Lower Upper
142 100
127 45.6 37.6 56.4
141 13.4 10.6 16.0



#13
Acrolein
Concen: 4.360 ug/l
RT: 2.264 min Scan# 193
Delta R.T. 0.012 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Tgt Ion: 56 Resp: 2626
Ion Ratio Lower Upper
56 100
55 73.0 57.0 85.6

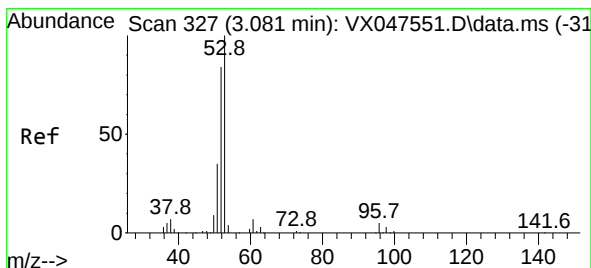
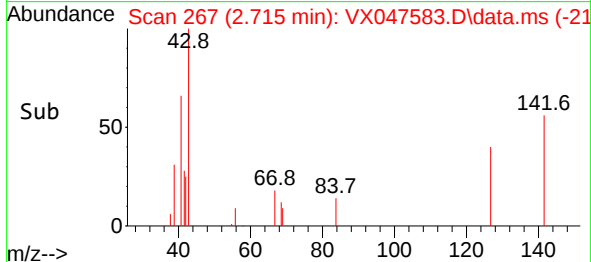
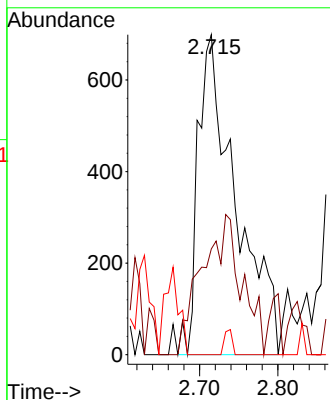
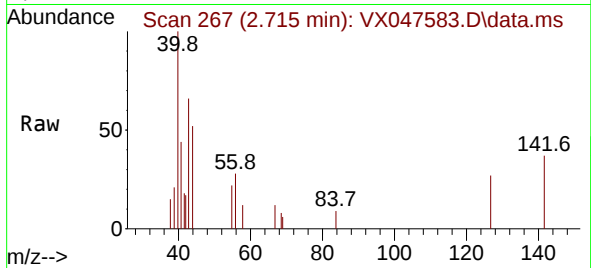




#14
 Allyl chloride
 Concen: 0.476 ug/l
 RT: 2.715 min Scan# 21
 Delta R.T. 0.037 min
 Lab File: VX047583.D
 Acq: 02 Sep 2025 14:47

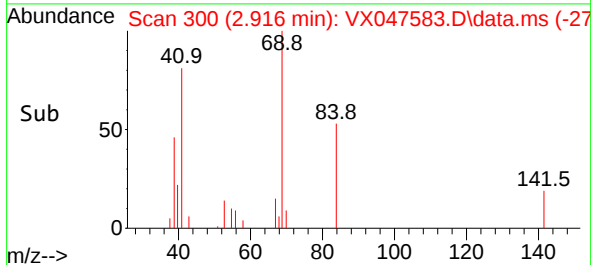
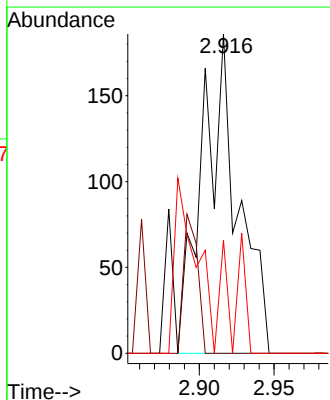
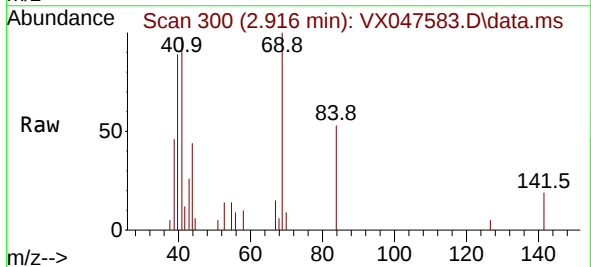
Instrument :
 MSVOA_X
 ClientSampleId :
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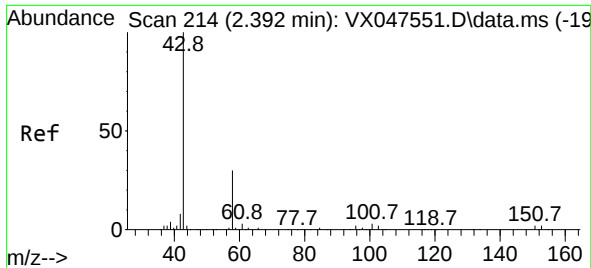
Tgt Ion: 41 Resp: 2344
 Ion Ratio Lower Upper
 41 100
 39 45.9 53.2 79.8#
 76 0.0 26.8 40.2#



#15
 Acrylonitrile
 Concen: 0.229 ug/l
 RT: 2.916 min Scan# 300
 Delta R.T. -0.165 min
 Lab File: VX047583.D
 Acq: 02 Sep 2025 14:47

Tgt Ion: 53 Resp: 308
 Ion Ratio Lower Upper
 53 100
 52 0.0 66.2 99.4#
 51 16.2 29.4 44.0#

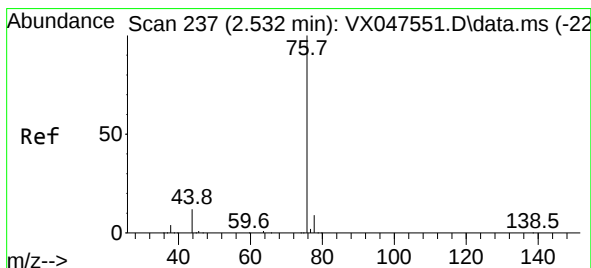
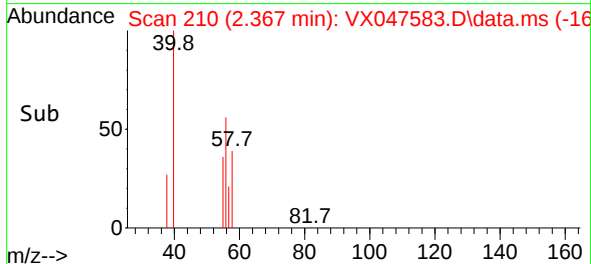
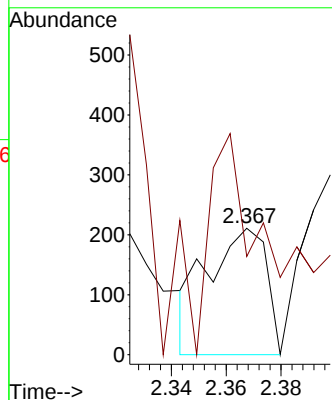
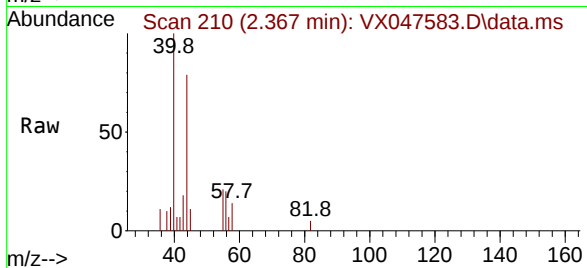




#16
Acetone
Concen: 0.243 ug/l
RT: 2.367 min Scan# 214
Delta R.T. -0.024 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

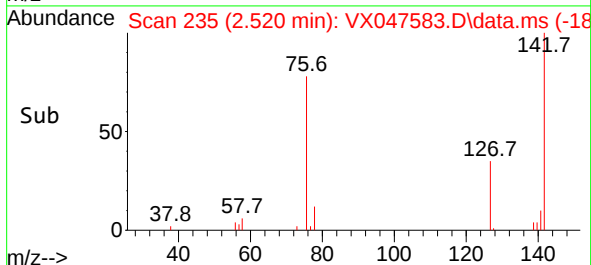
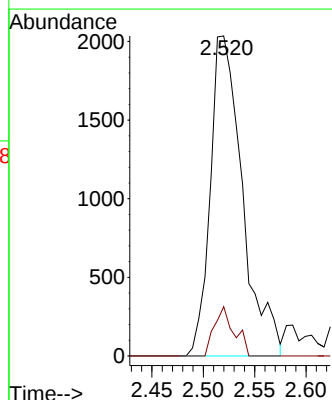
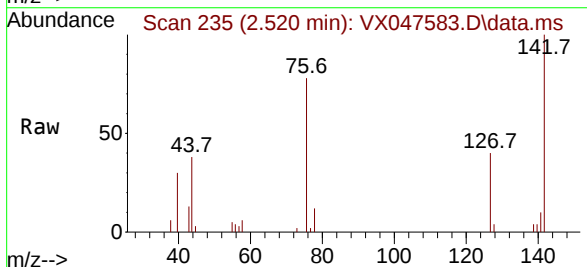
Instrument :
MSVOA_X
ClientSampleId :
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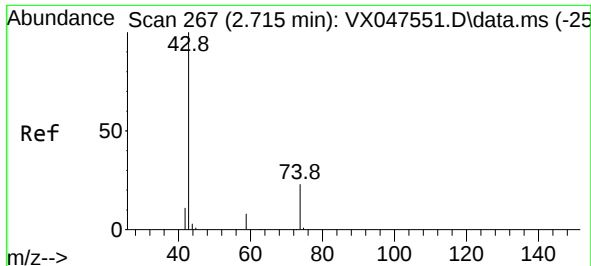
Tgt Ion: 43 Resp: 315
Ion Ratio Lower Upper
43 100
58 16.6 24.2 36.2#



#17
Carbon Disulfide
Concen: 0.555 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.012 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Tgt Ion: 76 Resp: 4434
Ion Ratio Lower Upper
76 100
78 15.4 7.4 11.0#

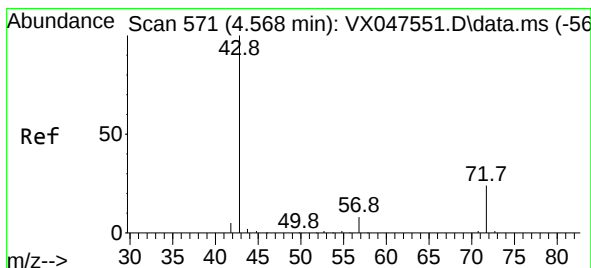
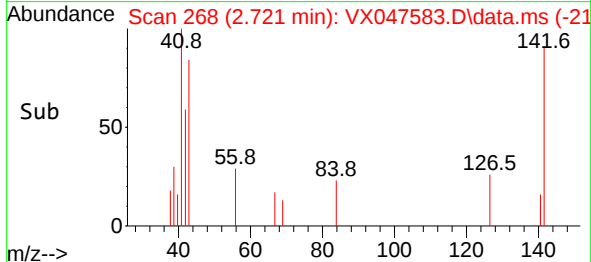
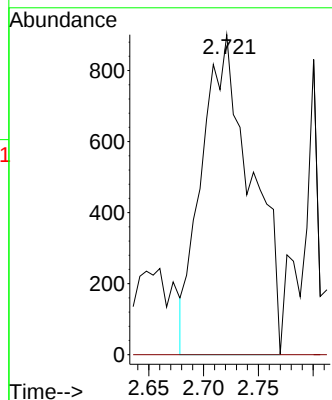
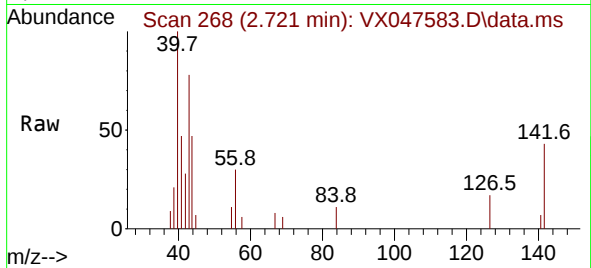




#18
Methyl Acetate
Concen: 0.891 ug/l
RT: 2.721 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

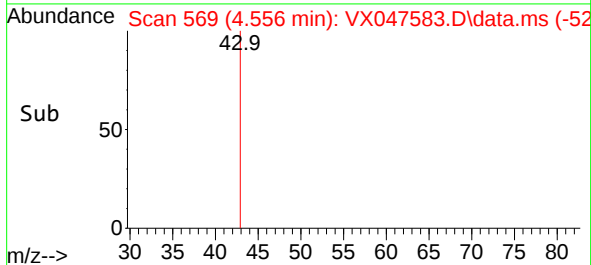
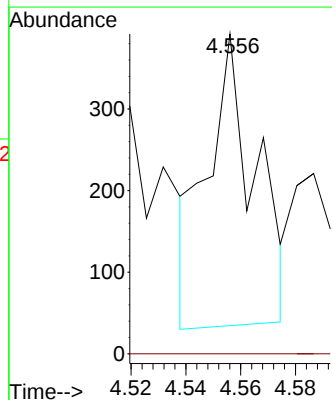
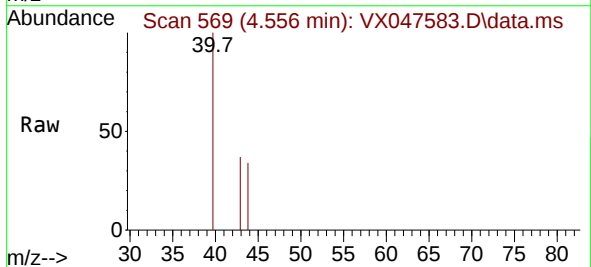
Instrument :
MSVOA_X
ClientSampleId :
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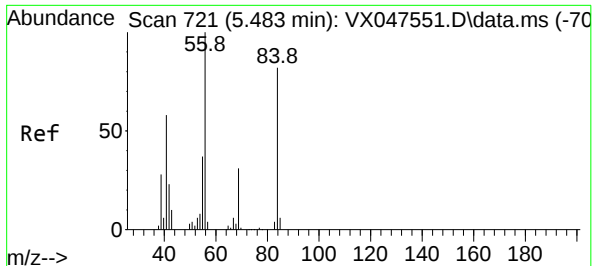
Tgt Ion: 43 Resp: 2843
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#25
2-Butanone
Concen: 0.255 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.012 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Tgt Ion: 43 Resp: 434
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#

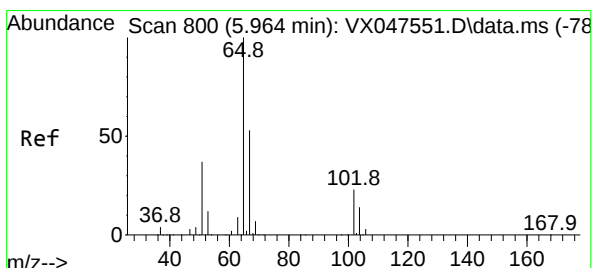
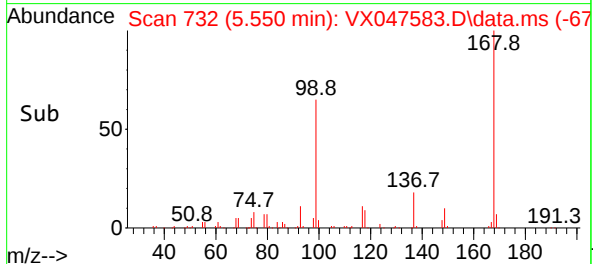
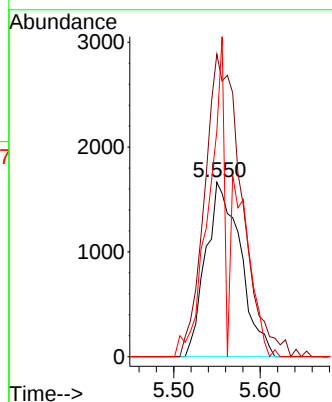
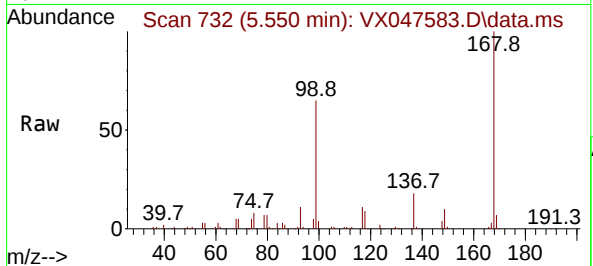




#31
Cyclohexane
Concen: 1.011 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.067 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

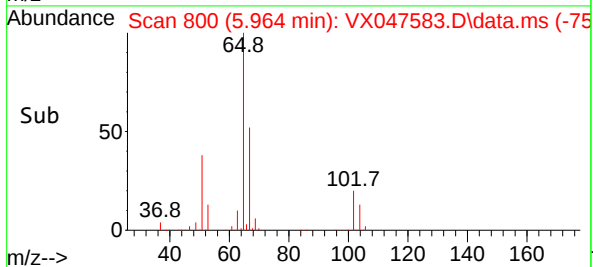
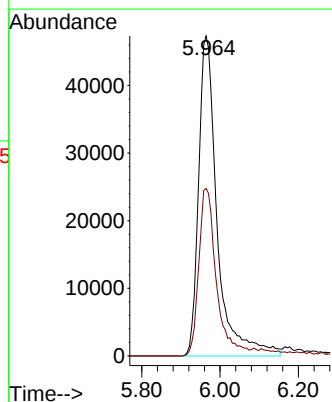
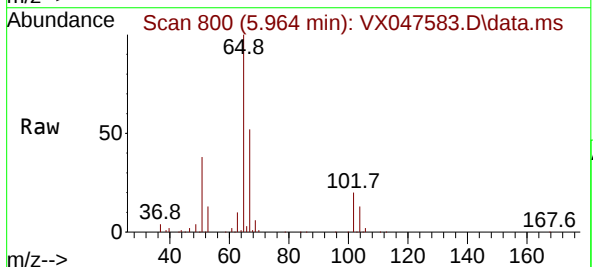
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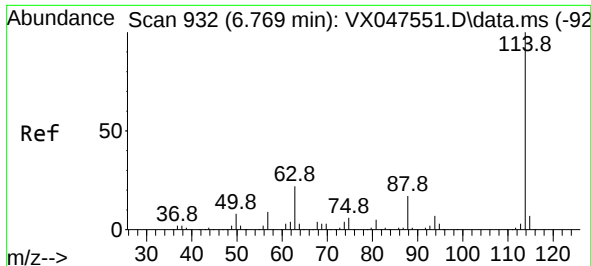
Tgt Ion: 56 Resp: 4646
Ion Ratio Lower Upper
56 100
69 173.4 24.2 36.2#
84 129.4 65.5 98.3#



#33
1,2-Dichloroethane-d4
Concen: 47.704 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Tgt Ion: 65 Resp: 155952
Ion Ratio Lower Upper
65 100
67 49.7 0.0 104.8

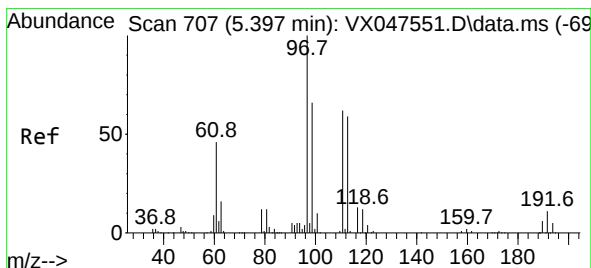
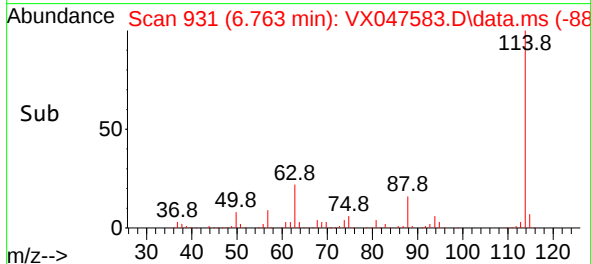
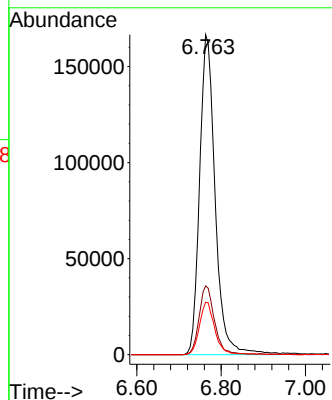
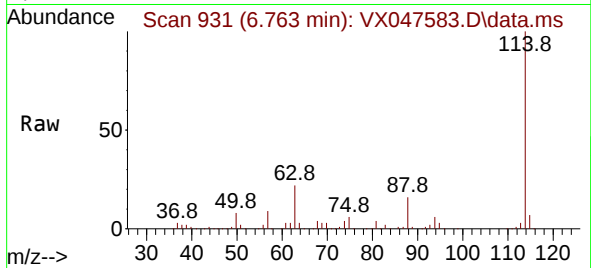




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

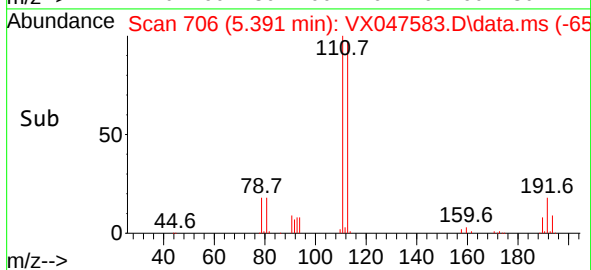
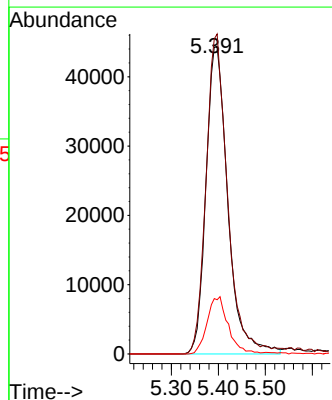
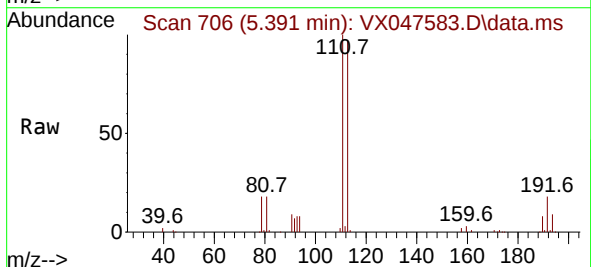
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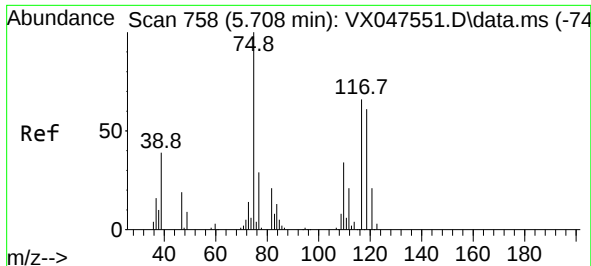
Tgt Ion:114 Resp: 427622
Ion Ratio Lower Upper
114 100
63 21.5 0.0 43.6
88 16.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.899 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Tgt Ion:113 Resp: 143517
Ion Ratio Lower Upper
113 100
111 101.7 81.2 121.8
192 17.9 14.2 21.4

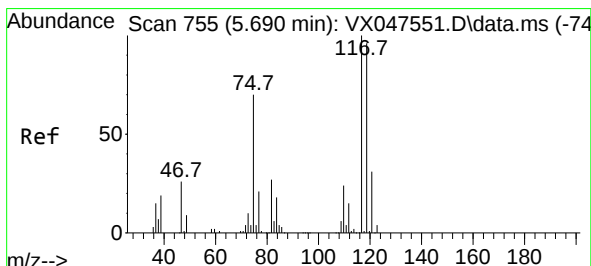
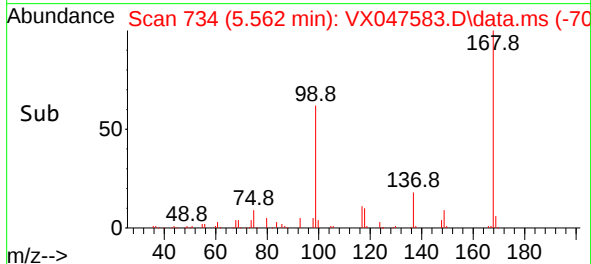
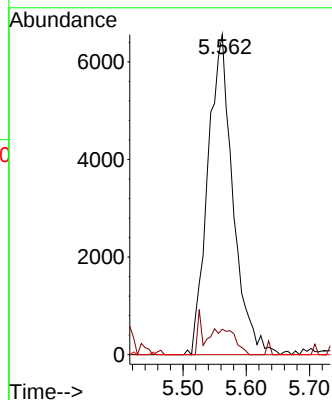
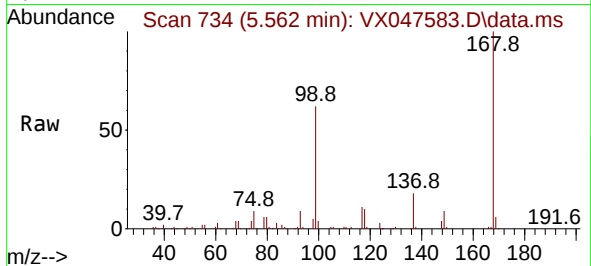




#36
1,1-Dichloropropene
Concen: 4.335 ug/l
RT: 5.562 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

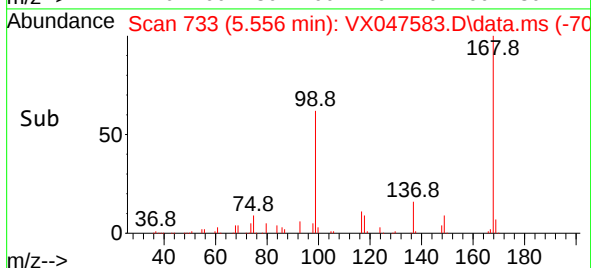
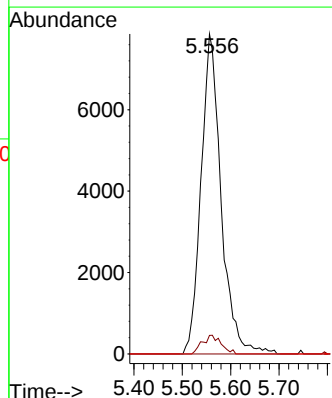
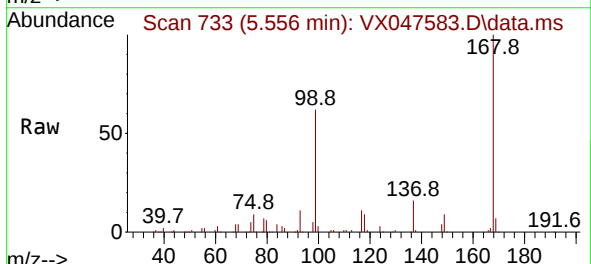
Instrument :
MSVOA_X
ClientSampleId :
307

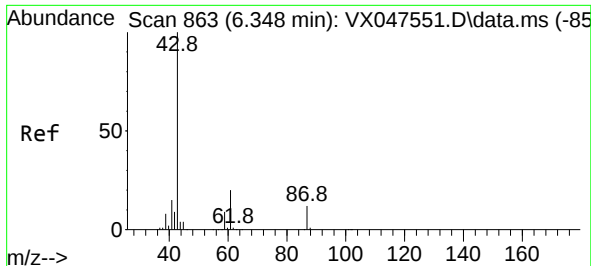
Tgt Ion: 75 Resp: 18107
Ion Ratio Lower Upper
75 100
110 7.5 17.1 51.3#
77 0.0 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 4.893 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Tgt Ion: 117 Resp: 22677
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 24.9 37.3#

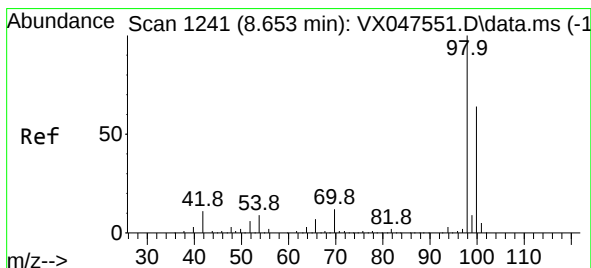
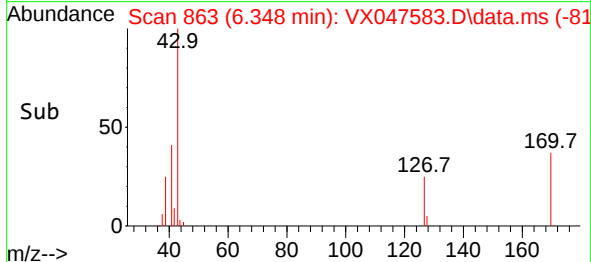
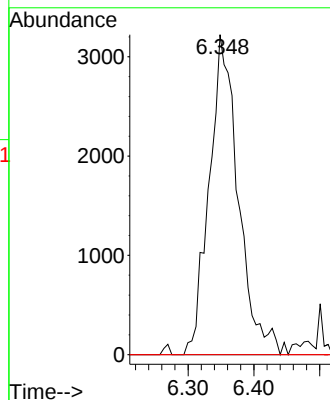
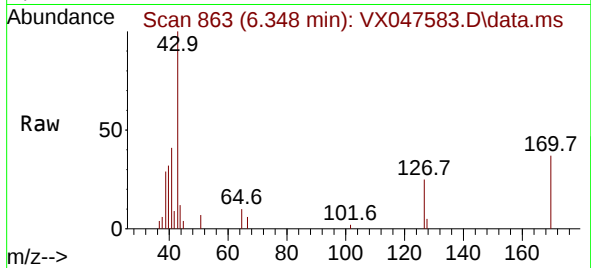




#43
Isopropyl Acetate
Concen: 1.496 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.000 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

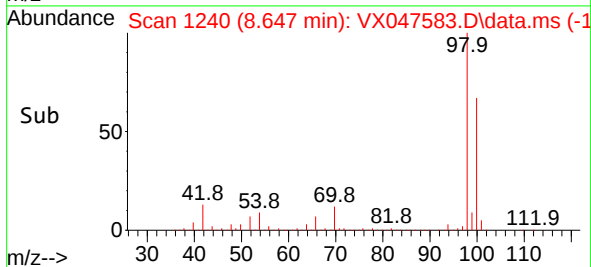
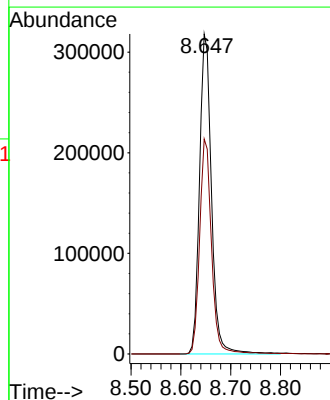
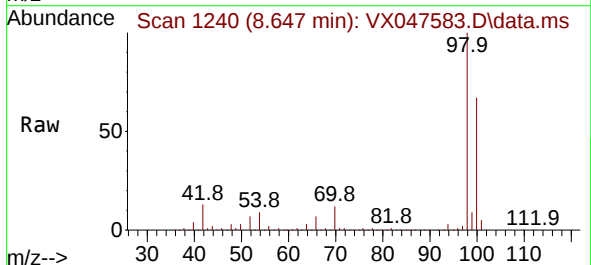
Instrument :
MSVOA_X
ClientSampleId :
307

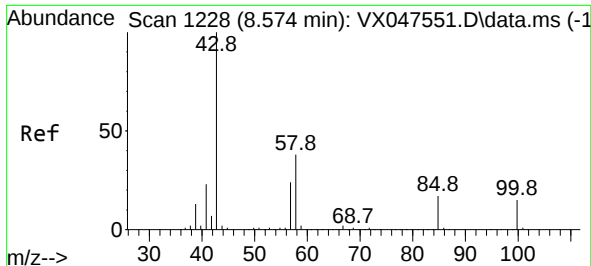
Tgt Ion: 43 Resp: 9898
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.2#
87 0.0 9.9 14.9#



#50
Toluene-d8
Concen: 51.451 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Tgt Ion: 98 Resp: 529302
Ion Ratio Lower Upper
98 100
100 66.9 53.5 80.3

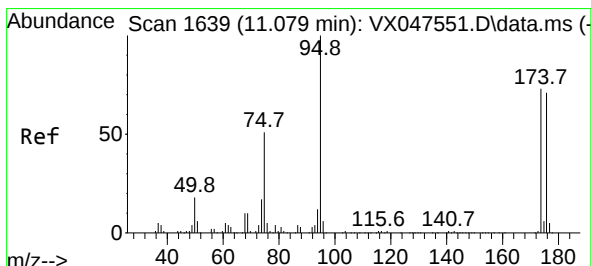
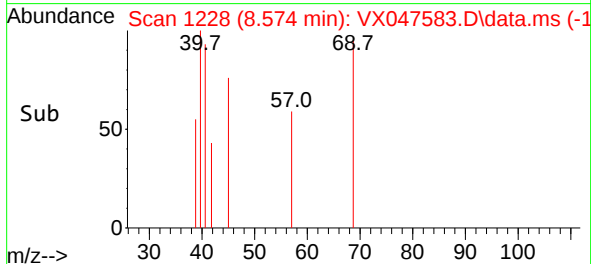
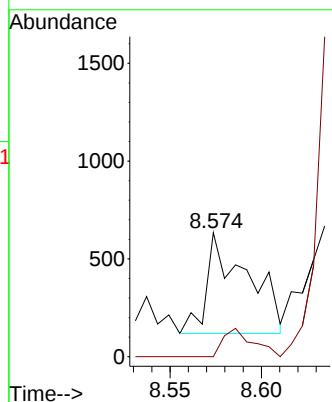
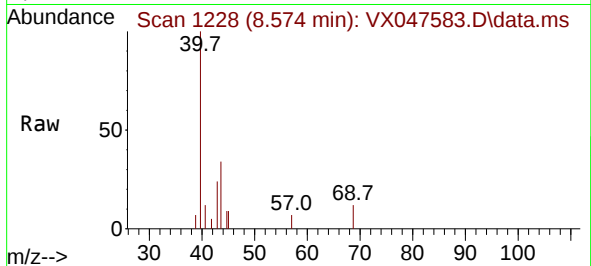




#51
4-Methyl-2-Pentanone
Concen: 0.205 ug/l
RT: 8.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

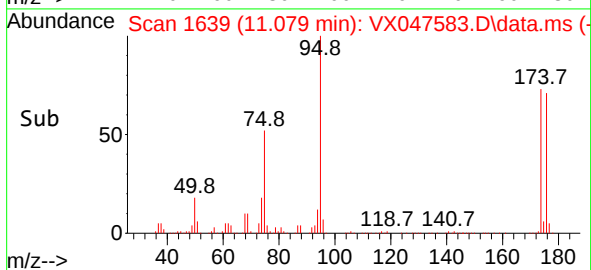
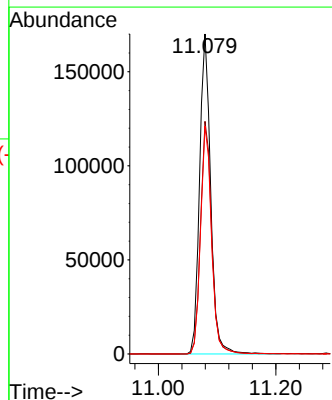
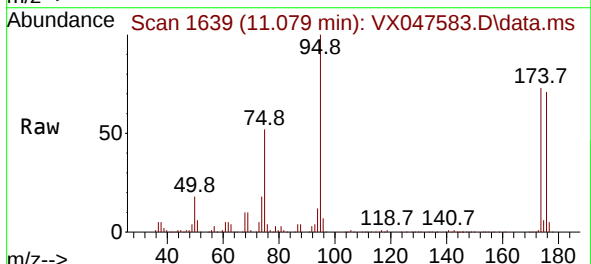
Instrument :
MSVOA_X
ClientSampleId :
307

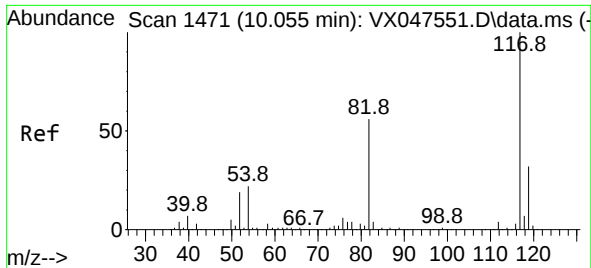
Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
58 20.2 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 57.665 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Tgt Ion: 95 Resp: 222862
Ion Ratio Lower Upper
95 100
174 73.2 0.0 145.2
176 70.5 0.0 140.4

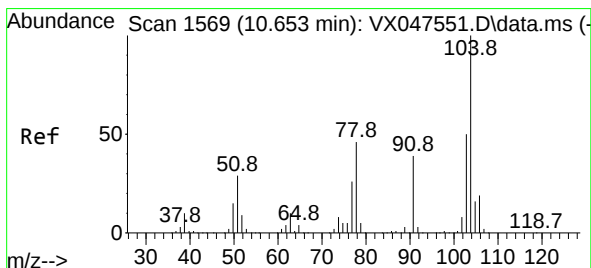
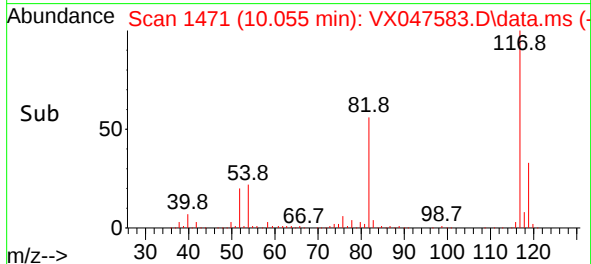
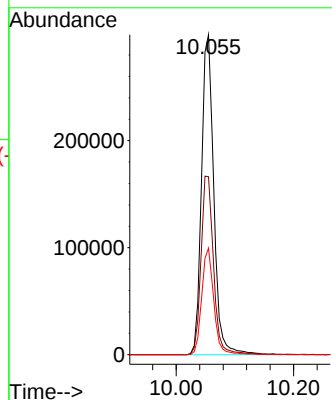
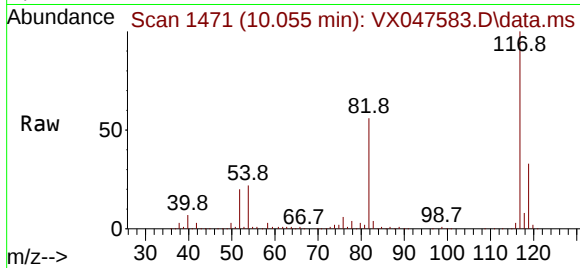




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

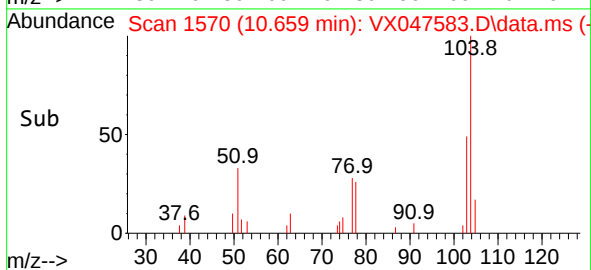
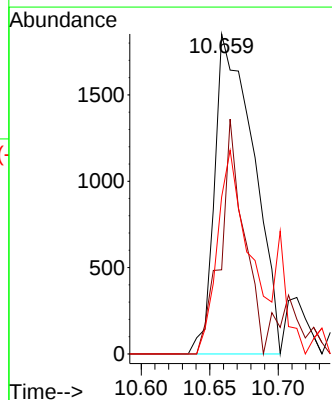
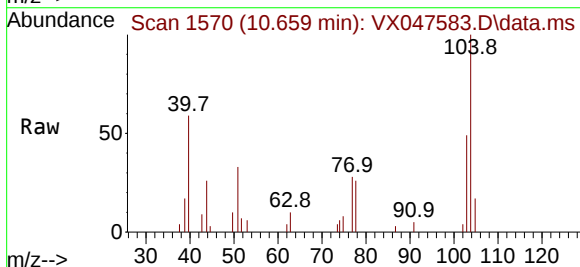
Instrument :
MSVOA_X
ClientSampleId :
307

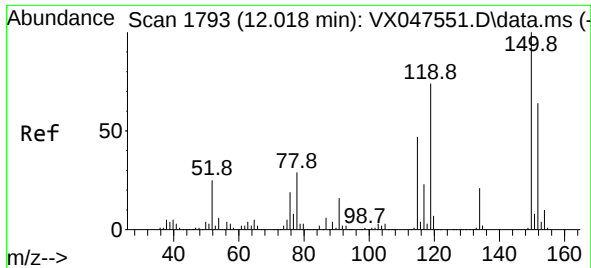
Tgt Ion:117 Resp: 433451
Ion Ratio Lower Upper
117 100
82 55.6 44.6 66.8
119 33.3 25.7 38.5



#70
Styrene
Concen: 0.345 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Tgt Ion:104 Resp: 3655
Ion Ratio Lower Upper
104 100
78 43.8 41.6 62.4
103 52.6 43.0 64.4

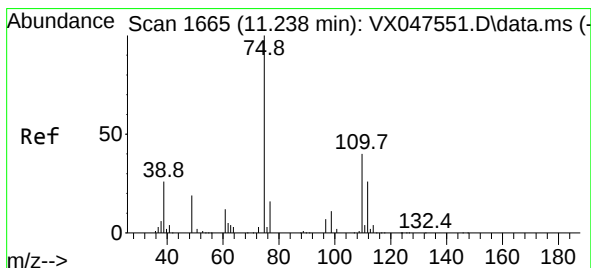
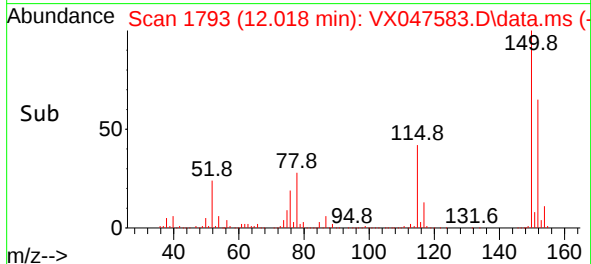
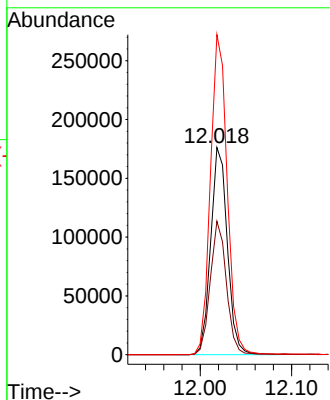
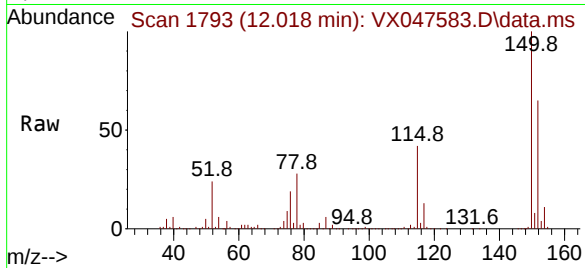




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047583.D
 Acq: 02 Sep 2025 14:47

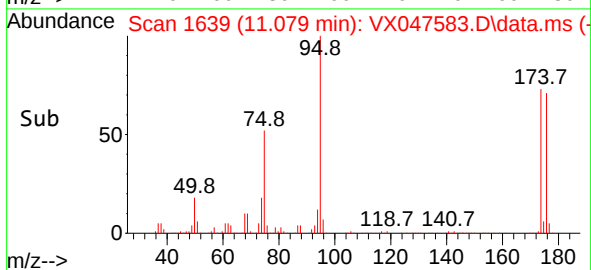
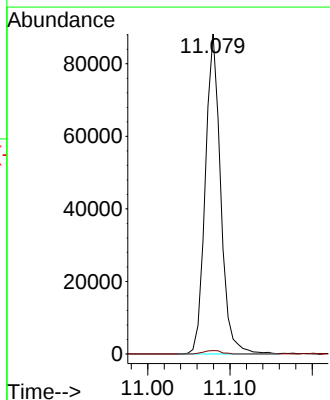
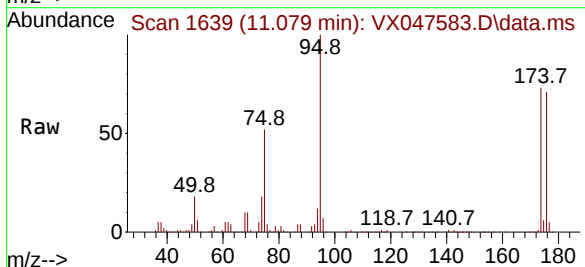
Instrument :
 MSVOA_X
 ClientSampleId :
 307

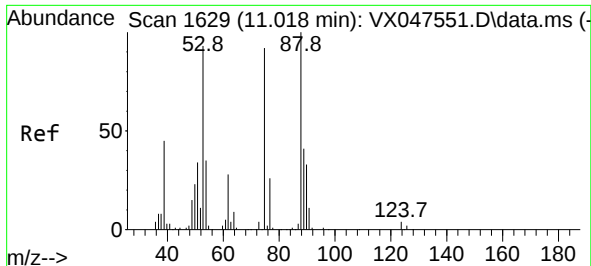
Tgt Ion:152 Resp: 222952
 Ion Ratio Lower Upper
 152 100
 115 62.7 42.9 128.5
 150 155.8 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.750 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX047583.D
 Acq: 02 Sep 2025 14:47

Tgt Ion: 75 Resp: 114401
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.7 59.1#

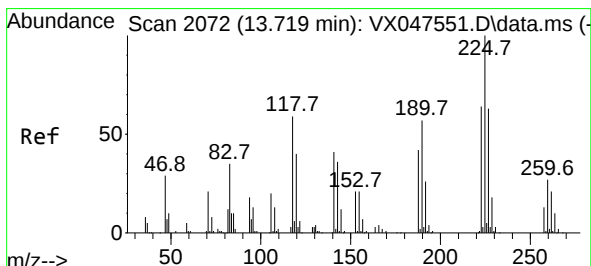
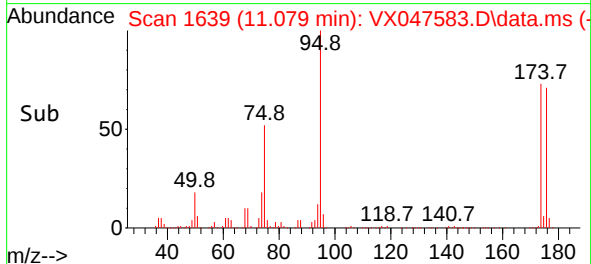
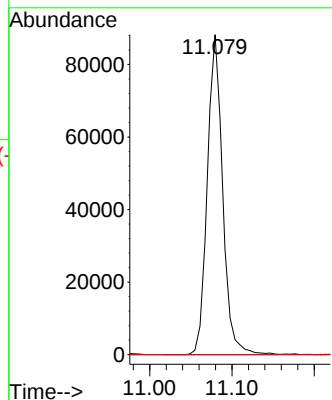
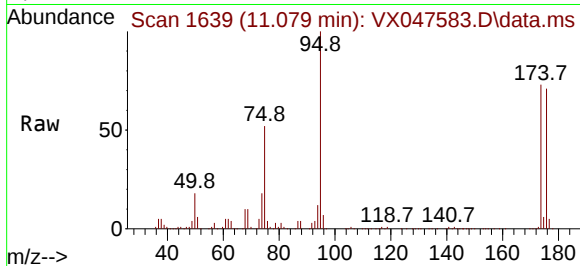




#81
trans-1,4-Dichloro-2-butene
Concen: 101.772 ug/l
RT: 11.079 min Scan# 114401
Delta R.T. 0.061 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
307

Tgt Ion: 75 Resp: 114401
Ion Ratio Lower Upper
75 100
53 0.0 85.7 128.5#
89 0.0 36.4 54.6#



#94
Hexachlorobutadiene
Concen: 0.247 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Tgt Ion: 225 Resp: 402
Ion Ratio Lower Upper
225 100
223 60.2 31.1 93.5
227 60.7 31.8 95.3

