

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102725\
 Data File : VX048377.D
 Acq On : 27 Oct 2025 17:06
 Operator : JC/MD
 Sample : Q3447-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P001-TW2-251023-01

Quant Time: Oct 28 01:57:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

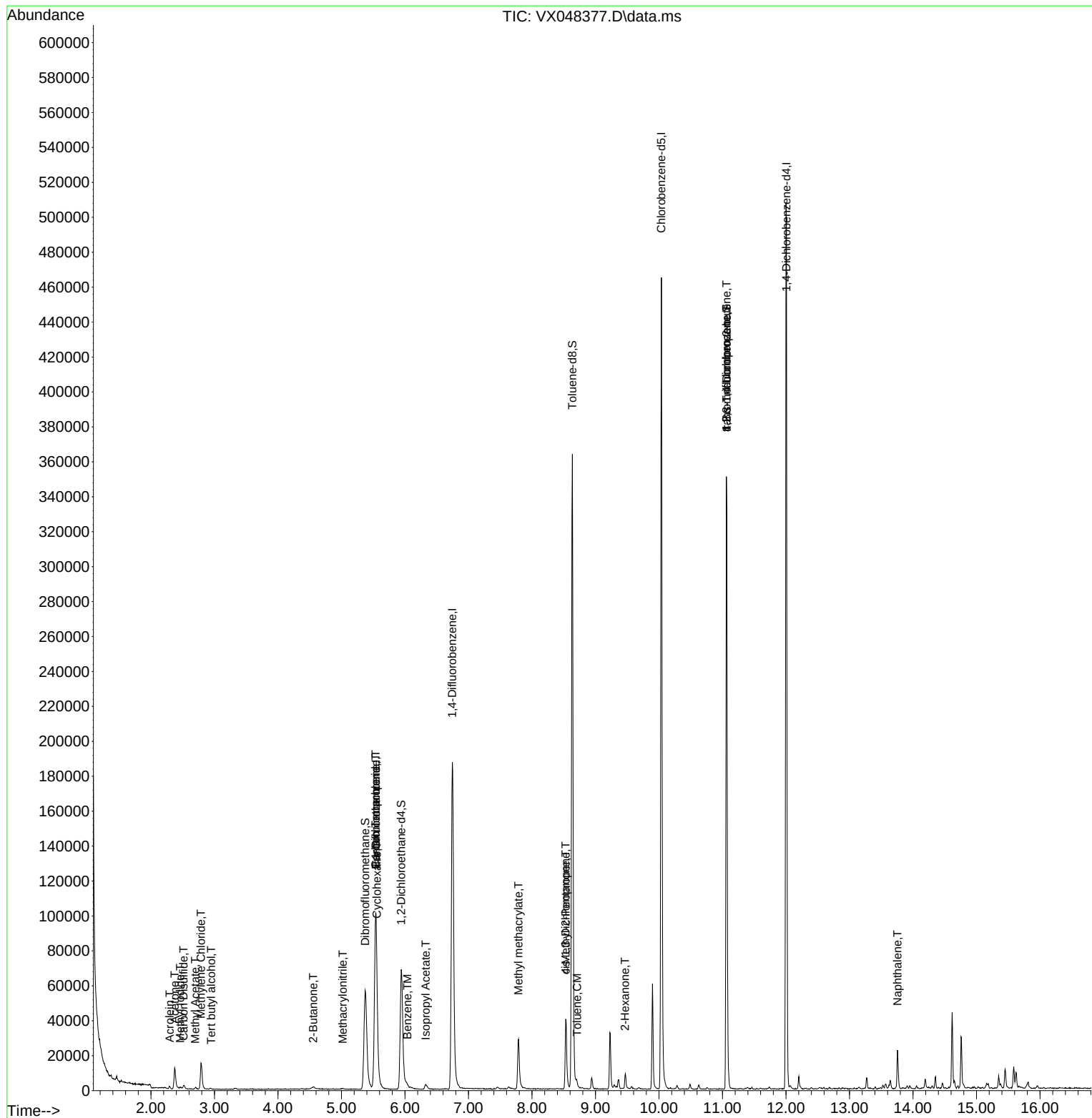
Internal Standards						
1) Pentafluorobenzene	5.544	168	101333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	205553	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	212555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	104644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	76176	53.616	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.240%			
35) Dibromofluoromethane	5.373	113	56896	40.544	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 81.080%			
50) Toluene-d8	8.635	98	225582	45.862	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.720%#			
62) 4-Bromofluorobenzene	11.061	95	99842	53.357	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.720%			
Target Compounds						Qvalue
10) Methyl Iodide	2.459	142	1009	0.734	ug/l	96
11) Tert butyl alcohol	2.947	59	37	0.262	ug/l #	72
13) Acrolein	2.294	56	82	0.570	ug/l #	15
16) Acetone	2.374	43	16344	33.533	ug/l	98
17) Carbon Disulfide	2.514	76	1531	0.457	ug/l	97
18) Methyl Acetate	2.697	43	1029	1.011	ug/l #	84
20) Methylene Chloride	2.788	84	7594	6.394	ug/l	96
25) 2-Butanone	4.556	43	1410	2.286	ug/l #	80
31) Cyclohexane	5.556	56	2353	1.334	ug/l #	55
36) 1,1-Dichloropropene	5.538	75	8848	4.436	ug/l #	47
38) Carbon Tetrachloride	5.538	117	11064	4.496	ug/l #	14
40) Benzene	6.038	78	2053	0.355	ug/l	94
41) Methacrylonitrile	5.020	41	195	0.225	ug/l #	48
43) Isopropyl Acetate	6.324	43	4337	1.597	ug/l #	89
48) Methyl methacrylate	7.787	41	3284	2.397	ug/l #	45
51) 4-Methyl-2-Pentanone	8.531	43	16336	10.433	ug/l #	53
52) Toluene	8.708	92	1276	0.347	ug/l	97
54) cis-1,3-Dichloropropene	8.531	75	6731	2.795	ug/l #	62
59) 2-Hexanone	9.464	43	1416	1.297	ug/l	64
76) 1,2,3-Trichloropropane	11.061	75	53099	31.290	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	53099	76.127	ug/l #	10
95) Naphthalene	13.756	128	13714	2.257	ug/l	99

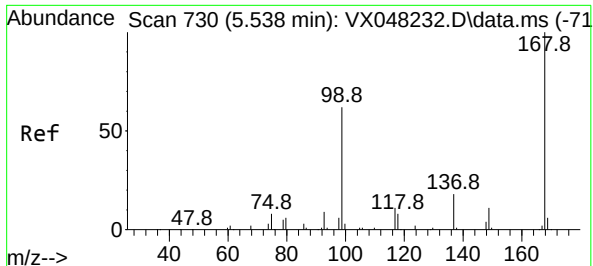
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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P001-TW2-251023-01

Quant Time: Oct 28 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

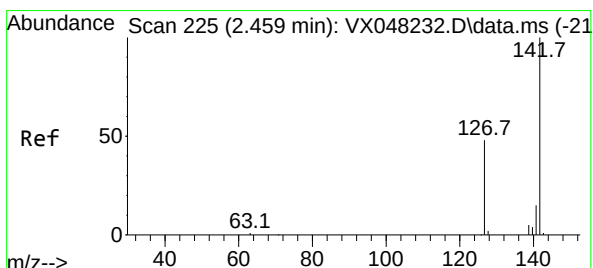
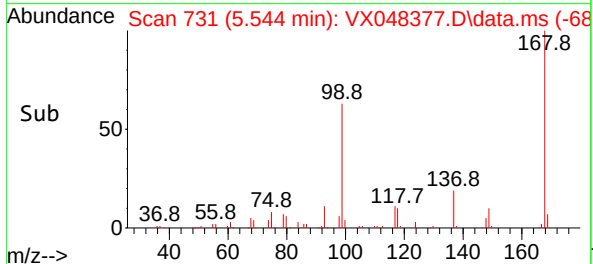
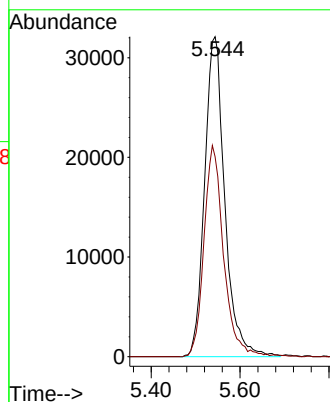
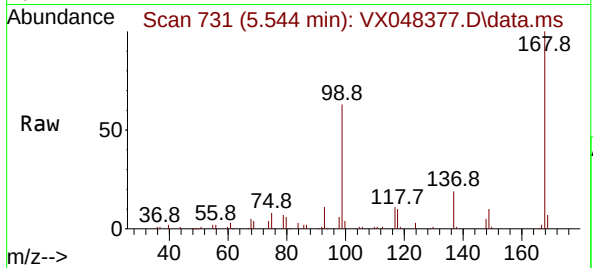




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

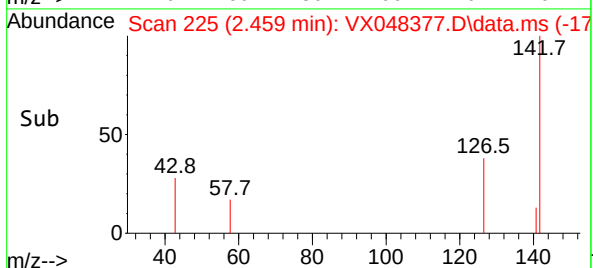
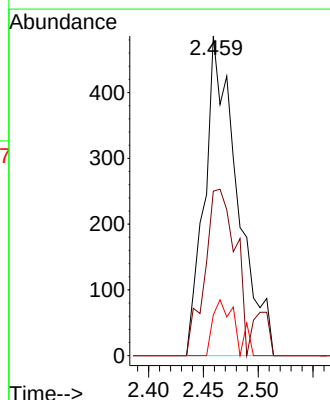
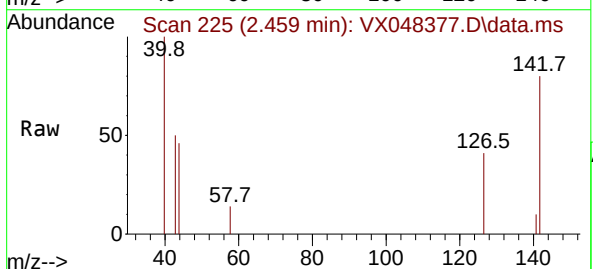
Instrument :
MSVOA_X
ClientSampleId :
P001-TW2-251023-01

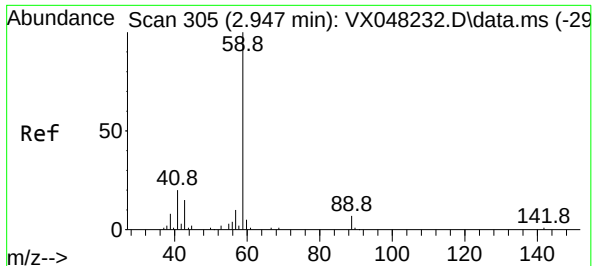
Tgt Ion:168 Resp: 101333
Ion Ratio Lower Upper
168 100
99 62.5 46.4 69.6



#10
Methyl Iodide
Concen: 0.734 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

Tgt Ion:142 Resp: 1009
Ion Ratio Lower Upper
142 100
127 50.4 38.5 57.7
141 12.0 11.6 17.4





#11

Tert butyl alcohol

Concen: 0.262 ug/l

RT: 2.947 min Scan# 305

Delta R.T. 0.006 min

Lab File: VX048377.D

Acq: 27 Oct 2025 17:06

Instrument :

MSVOA_X

ClientSampleId :

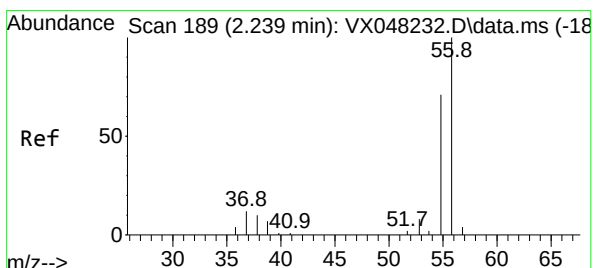
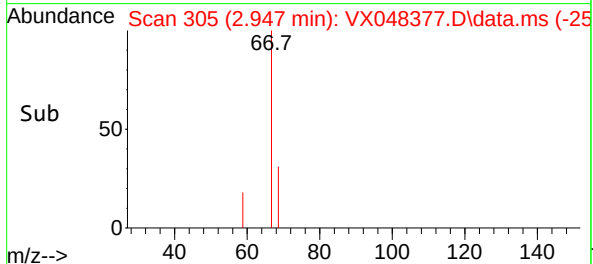
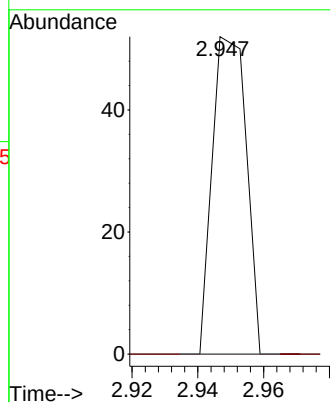
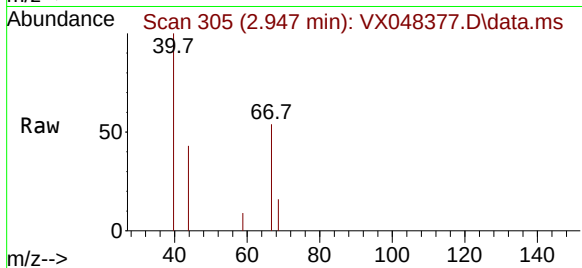
P001-TW2-251023-01

Tgt Ion: 59 Resp: 37

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 0.570 ug/l

RT: 2.294 min Scan# 198

Delta R.T. 0.061 min

Lab File: VX048377.D

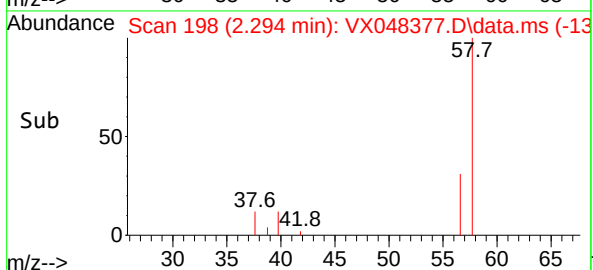
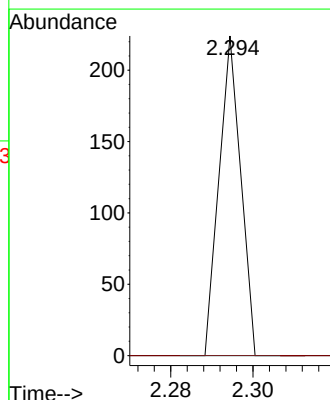
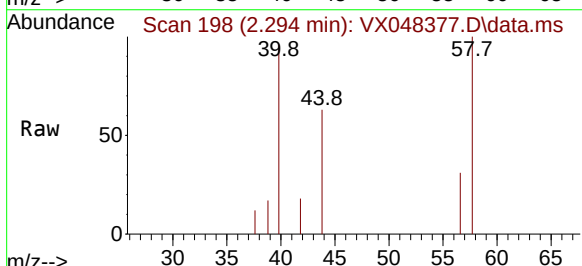
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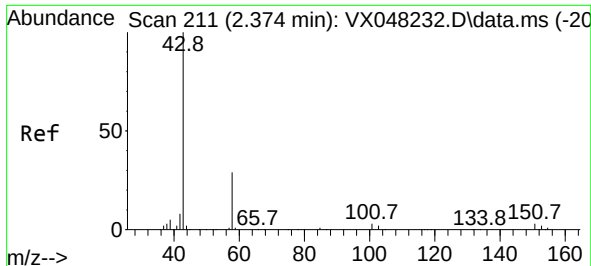
Tgt Ion: 56 Resp: 82

Ion Ratio Lower Upper

56 100

55 0.0 56.1 84.1#

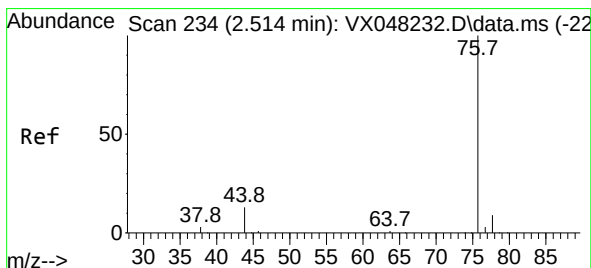
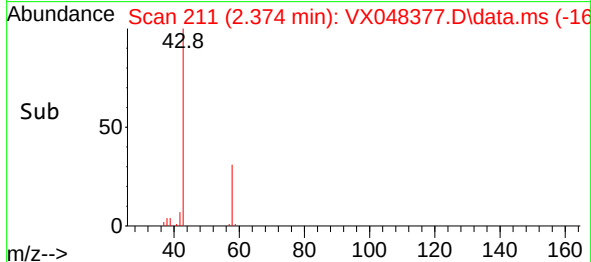
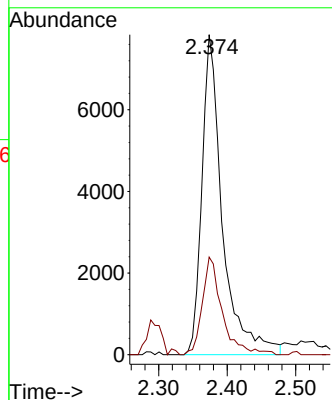
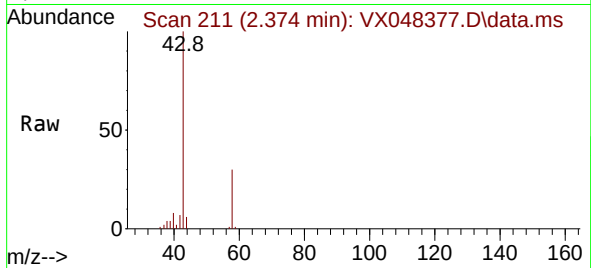




#16
Acetone
Concen: 33.533 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

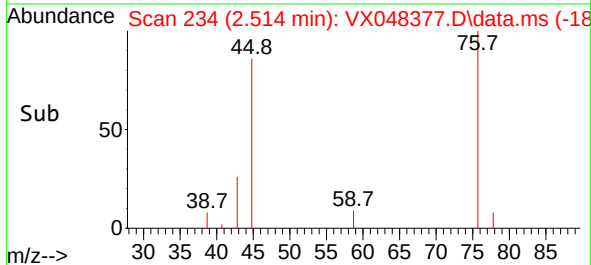
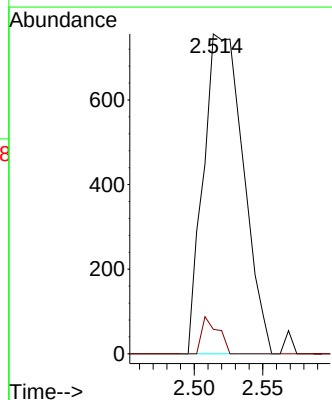
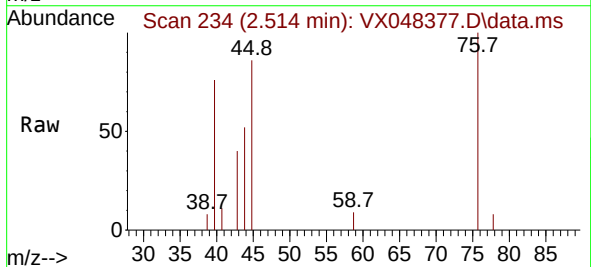
Instrument :
MSVOA_X
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P001-TW2-251023-01

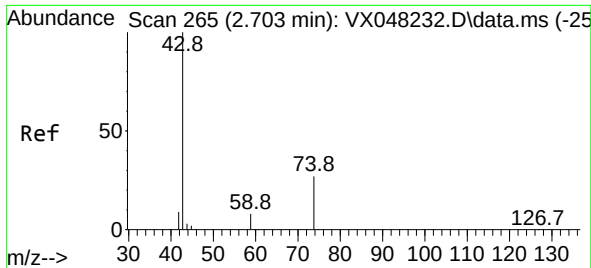
Tgt Ion: 43 Resp: 16344
Ion Ratio Lower Upper
43 100
58 30.5 23.4 35.2



#17
Carbon Disulfide
Concen: 0.457 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

Tgt Ion: 76 Resp: 1531
Ion Ratio Lower Upper
76 100
78 7.7 7.1 10.7

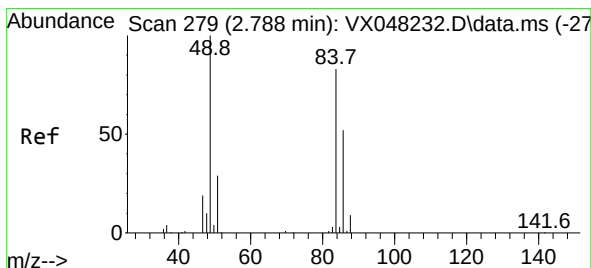
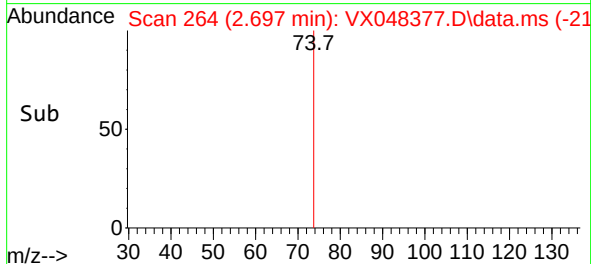
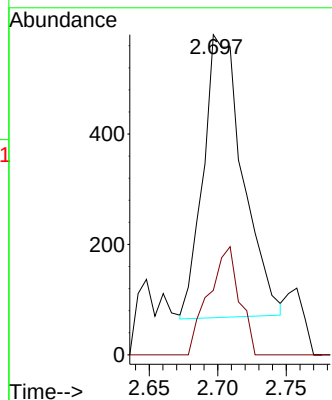
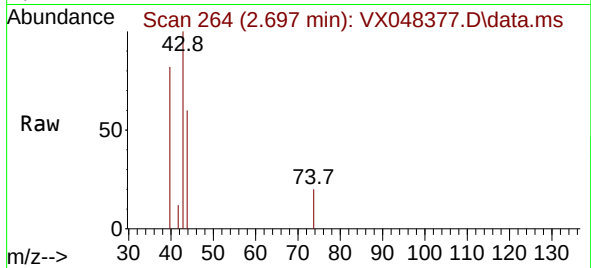




#18
Methyl Acetate
Concen: 1.011 ug/l
RT: 2.697 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

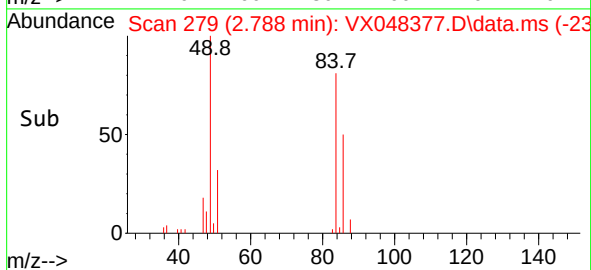
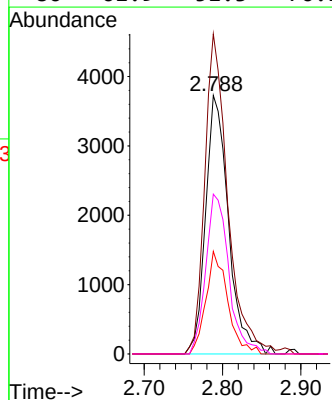
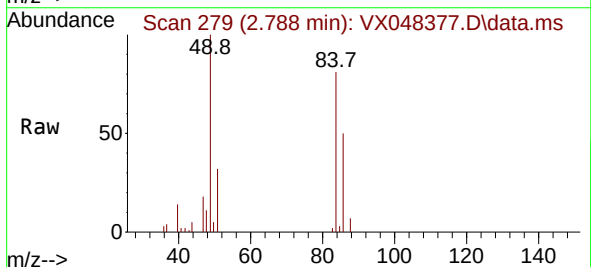
Instrument :
MSVOA_X
ClientSampleId :
P001-TW2-251023-01

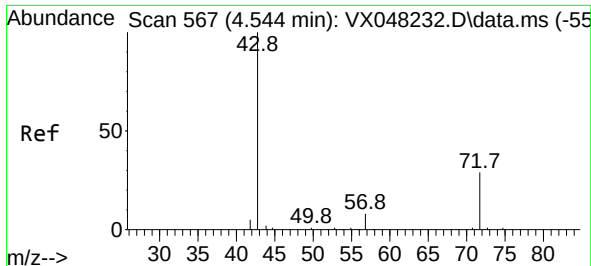
Tgt Ion: 43 Resp: 1029
Ion Ratio Lower Upper
43 100
74 29.6 17.5 26.3#



#20
Methylene Chloride
Concen: 6.394 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

Tgt Ion: 84 Resp: 7594
Ion Ratio Lower Upper
84 100
49 123.8 104.1 156.1
51 39.7 31.3 46.9
86 61.9 51.3 76.9

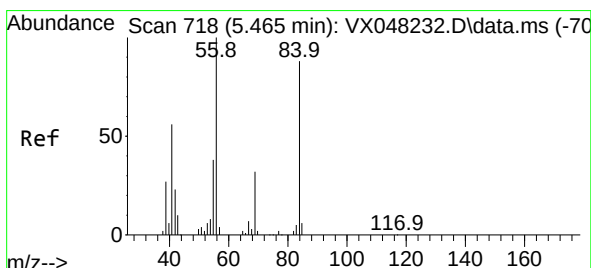
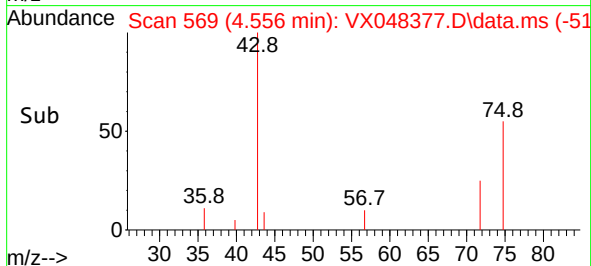
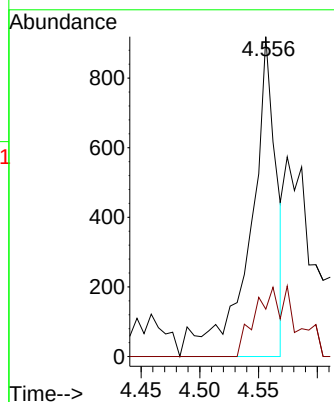
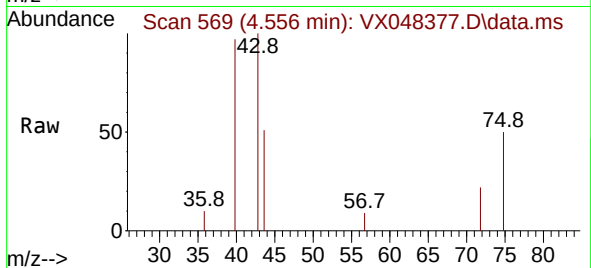




#25
2-Butanone
Concen: 2.286 ug/l
RT: 4.556 min Scan# 501
Delta R.T. 0.018 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

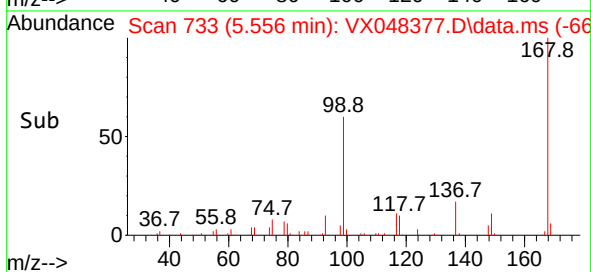
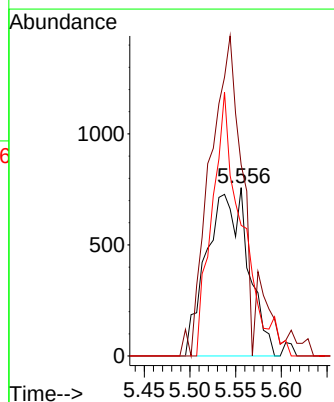
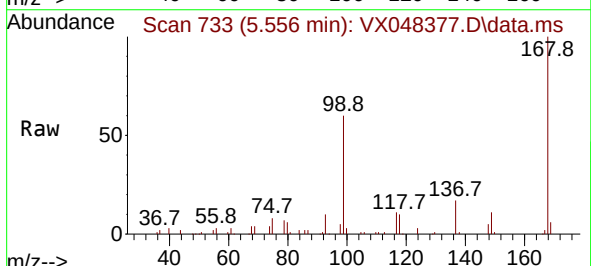
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MSVOA_X
ClientSampleId :
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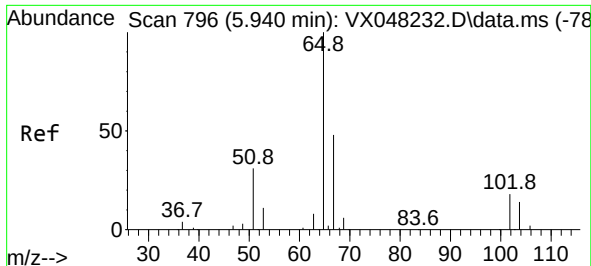
Tgt Ion: 43 Resp: 1410
Ion Ratio Lower Upper
43 100
72 14.8 19.9 29.9#



#31
Cyclohexane
Concen: 1.334 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.098 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

Tgt Ion: 56 Resp: 2353
Ion Ratio Lower Upper
56 100
69 113.6 23.0 34.6#
84 77.6 64.6 97.0

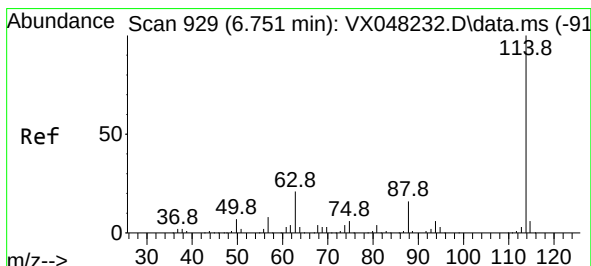
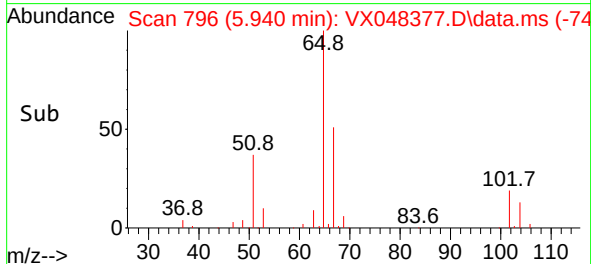
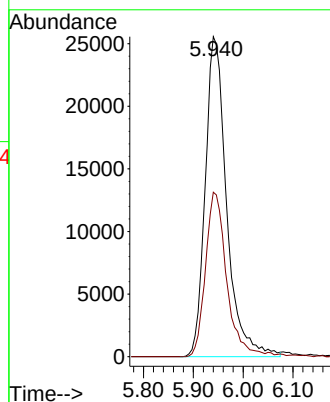
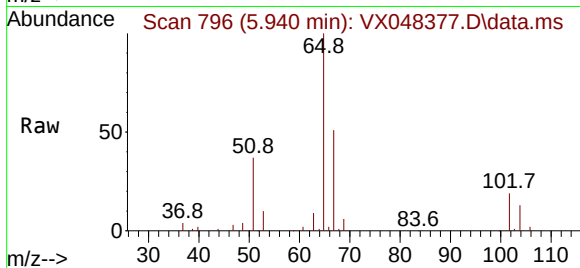




#33
 1,2-Dichloroethane-d4
 Concen: 53.616 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX048377.D
 Acq: 27 Oct 2025 17:06

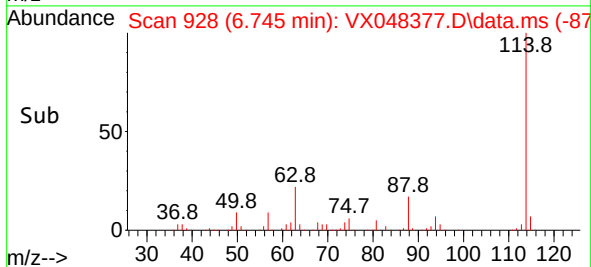
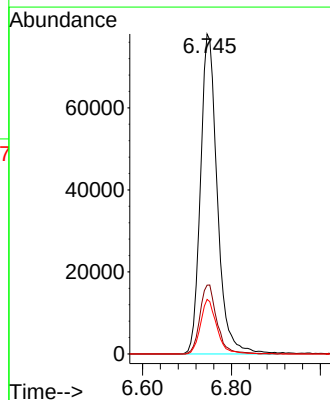
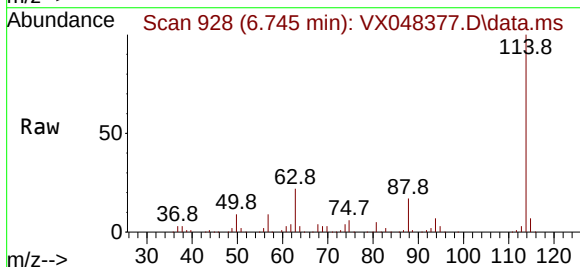
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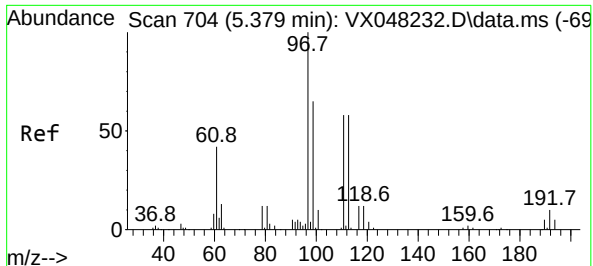
Tgt Ion: 65 Resp: 76176
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048377.D
 Acq: 27 Oct 2025 17:06

Tgt Ion: 114 Resp: 205553
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 17.1 0.0 33.6

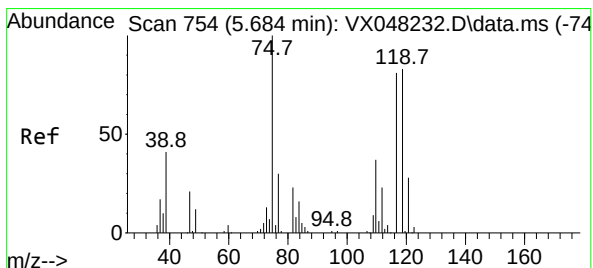
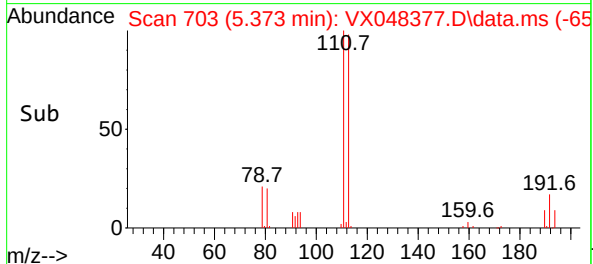
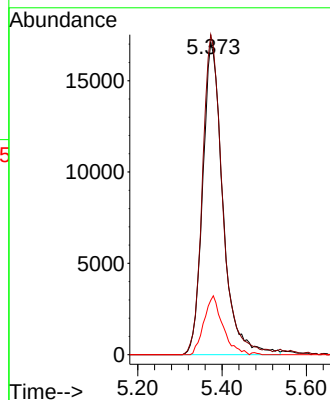
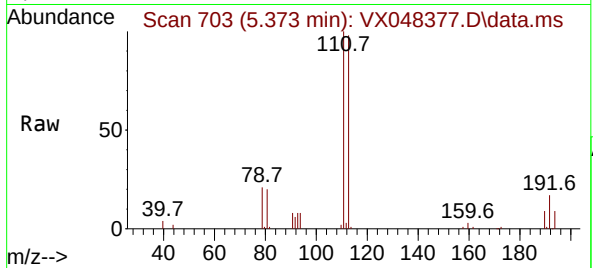




#35
Dibromofluoromethane
Concen: 40.544 ug/l
RT: 5.373 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

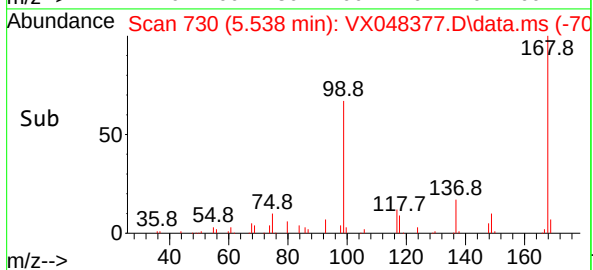
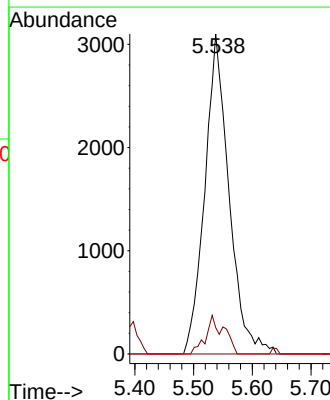
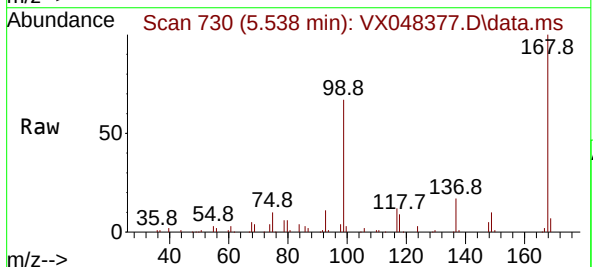
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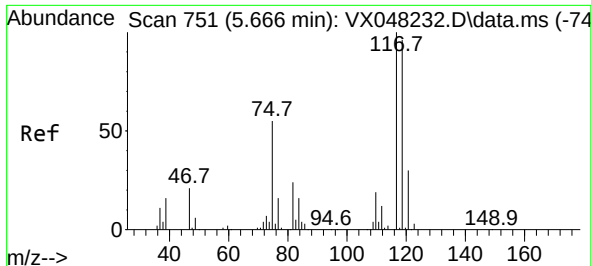
Tgt Ion:113 Resp: 56896
Ion Ratio Lower Upper
113 100
111 101.1 82.2 123.4
192 17.6 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.436 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

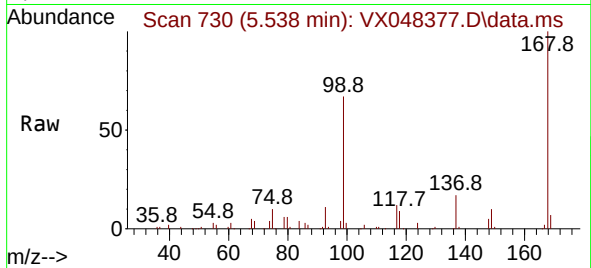
Tgt Ion: 75 Resp: 8848
Ion Ratio Lower Upper
75 100
110 5.9 17.7 53.1#
77 0.0 24.3 36.5#



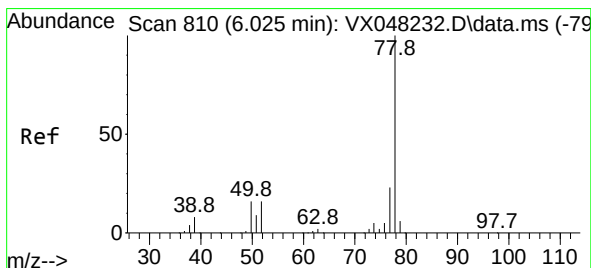
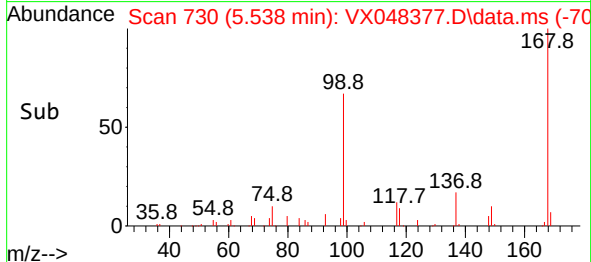
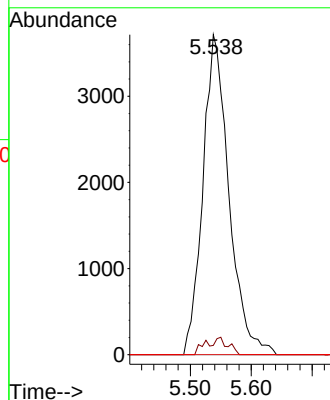


#38
Carbon Tetrachloride
Concen: 4.496 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
P001-TW2-251023-01

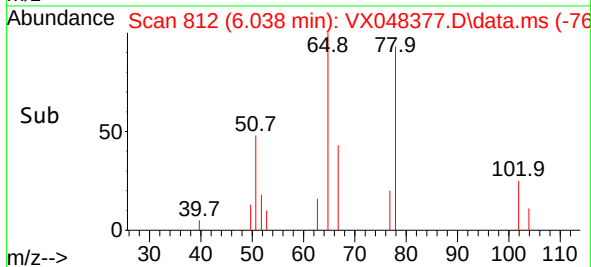
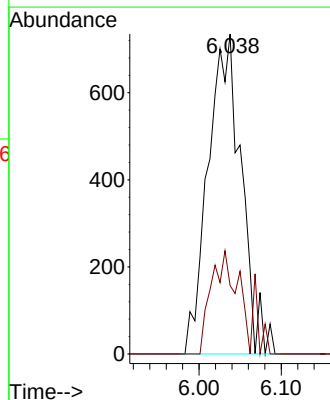
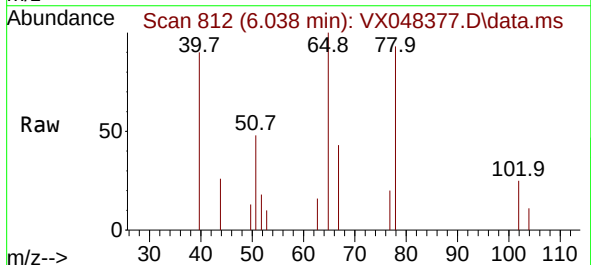


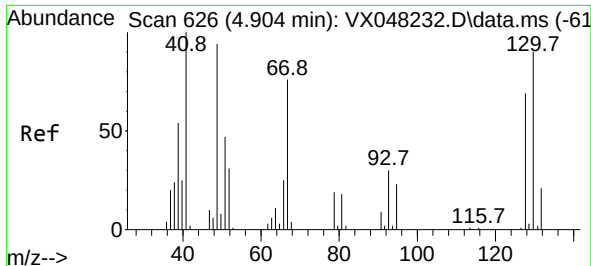
Tgt Ion:117 Resp: 11064
Ion Ratio Lower Upper
117 100
119 2.9 77.2 115.8#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.355 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.012 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

Tgt Ion: 78 Resp: 2053
Ion Ratio Lower Upper
78 100
77 21.4 19.3 28.9

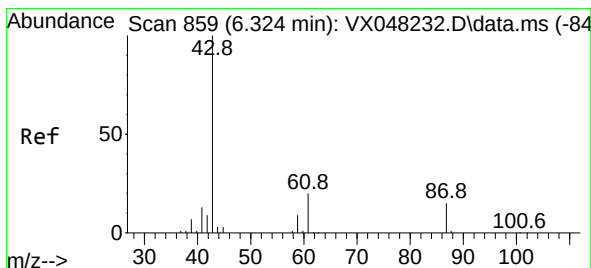
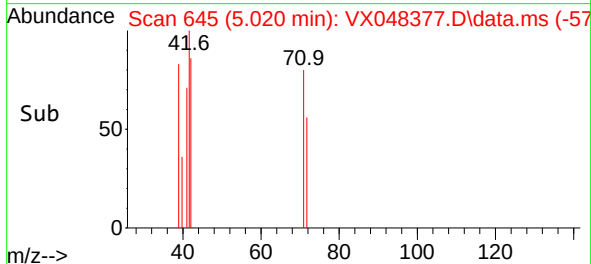
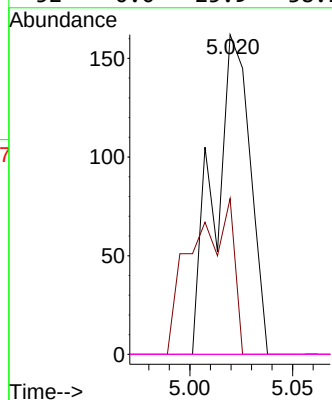
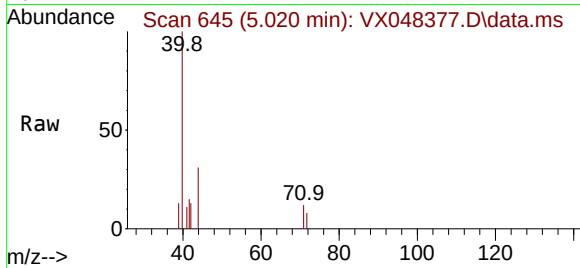




#41
Methacrylonitrile
Concen: 0.225 ug/l
RT: 5.020 min Scan# 645
Delta R.T. 0.116 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

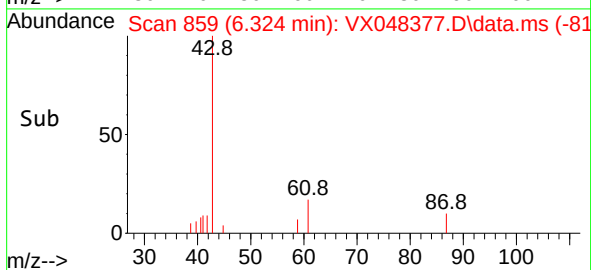
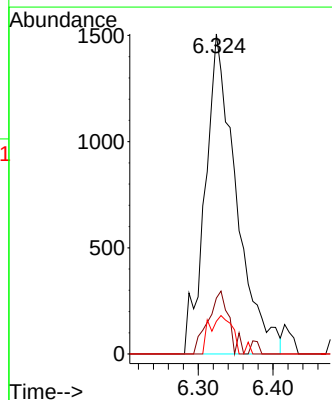
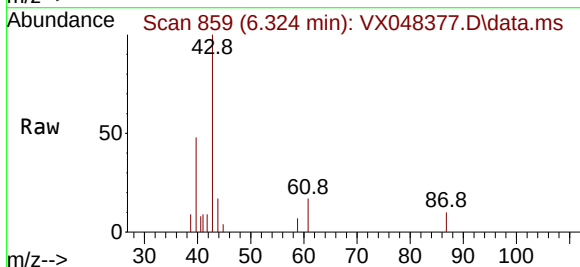
Instrument :
MSVOA_X
ClientSampleId :
P001-TW2-251023-01

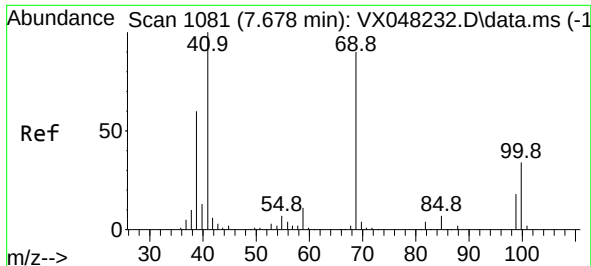
Tgt Ion:	41	Resp:	195
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.0	66.0
67	0.0	58.7	88.1#
52	0.0	25.9	38.9#



#43
Isopropyl Acetate
Concen: 1.597 ug/l
RT: 6.324 min Scan# 859
Delta R.T. 0.000 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

Tgt Ion:	43	Resp:	4337
Ion	Ratio	Lower	Upper
43	100		
61	13.2	14.9	22.3#
87	8.6	9.4	14.2#

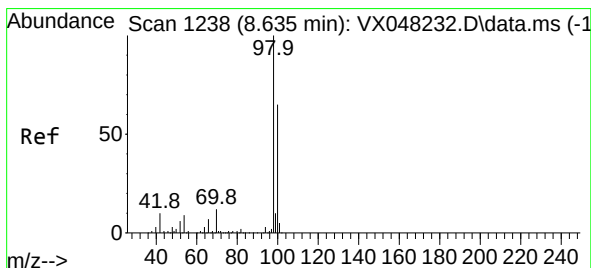
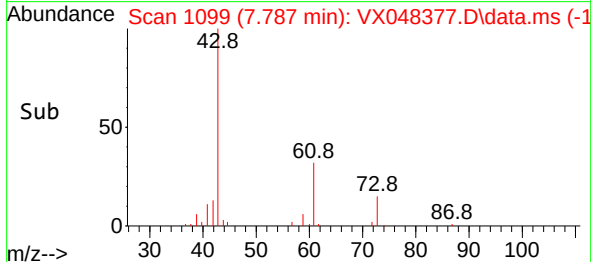
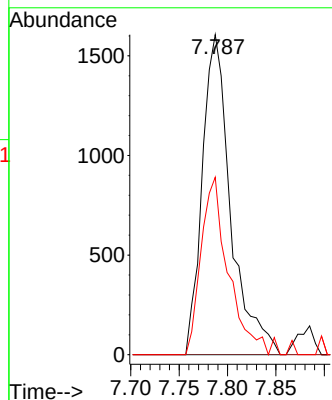
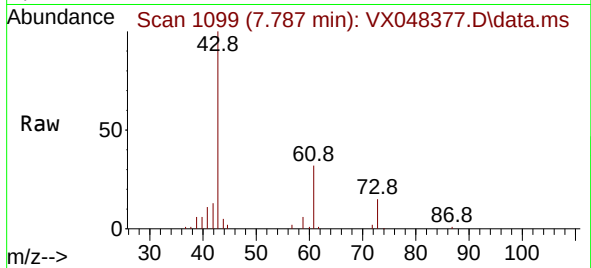




#48
Methyl methacrylate
Concen: 2.397 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.110 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

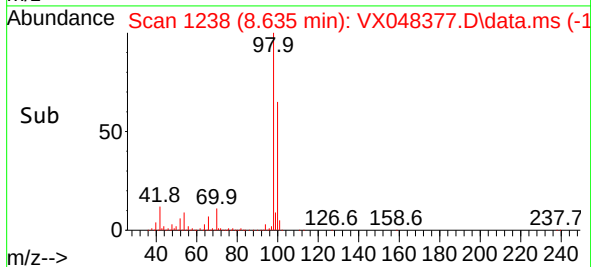
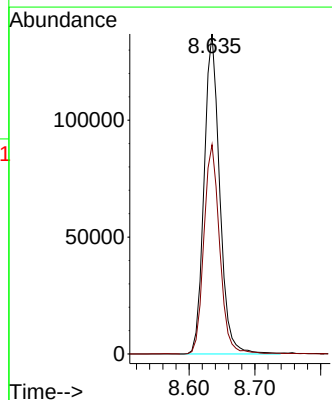
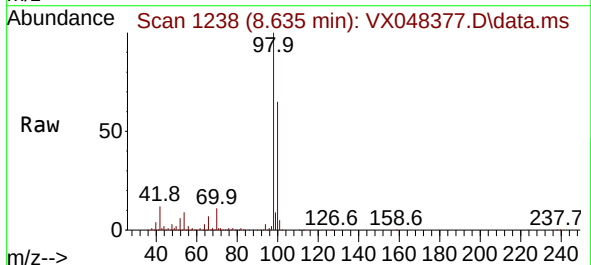
Instrument :
MSVOA_X
ClientSampleId :
P001-TW2-251023-01

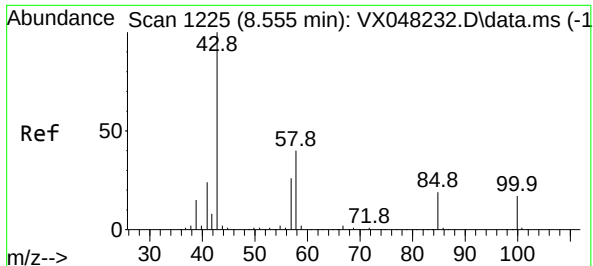
Tgt Ion: 41 Resp: 3284
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.0#
39 53.9 47.1 70.7



#50
Toluene-d8
Concen: 45.862 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

Tgt Ion: 98 Resp: 225582
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4

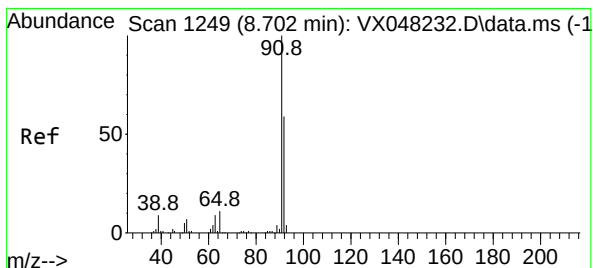
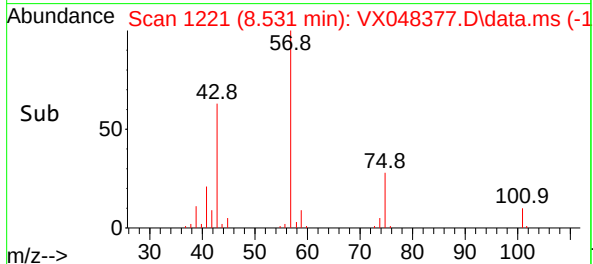
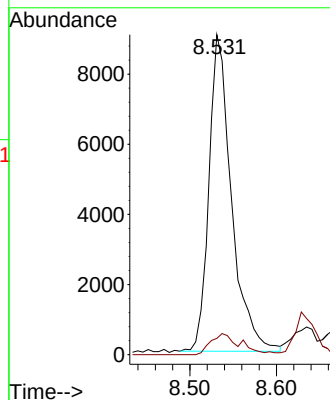
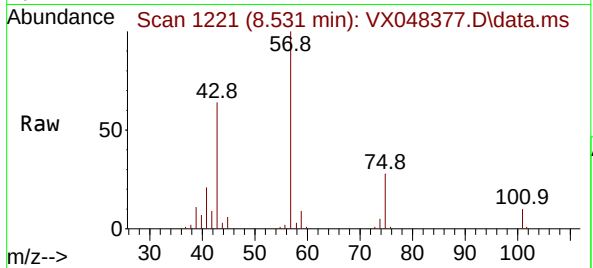




#51
4-Methyl-2-Pentanone
Concen: 10.433 ug/l
RT: 8.531 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

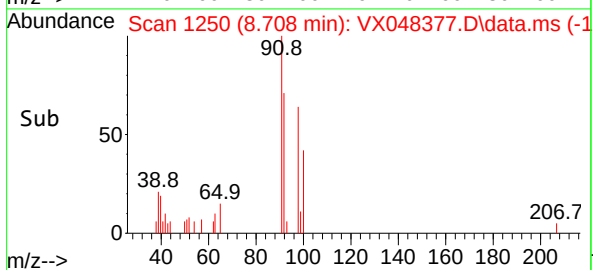
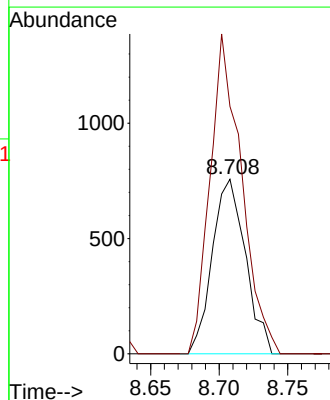
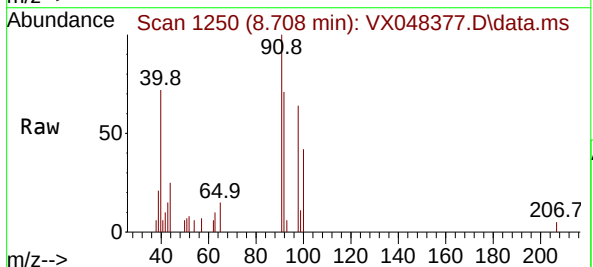
Instrument :
MSVOA_X
ClientSampleId :
P001-TW2-251023-01

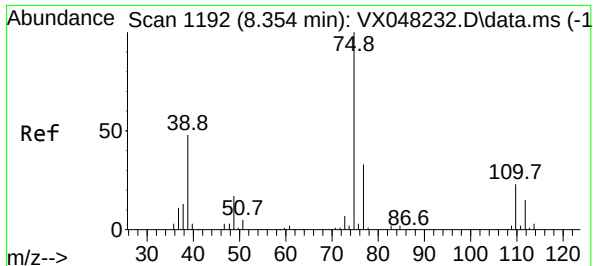
Tgt Ion: 43 Resp: 16336
Ion Ratio Lower Upper
43 100
58 8.8 29.5 44.3#



#52
Toluene
Concen: 0.347 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

Tgt Ion: 92 Resp: 1276
Ion Ratio Lower Upper
92 100
91 173.7 136.1 204.1

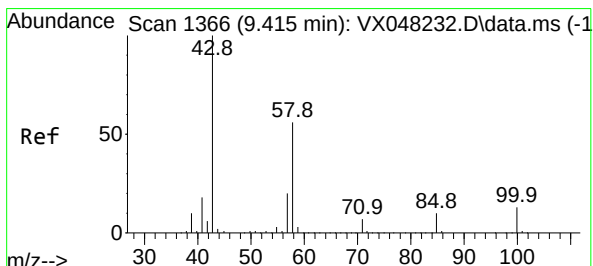
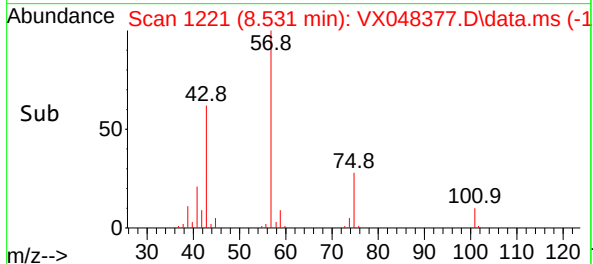
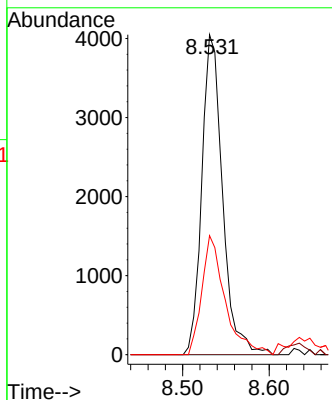
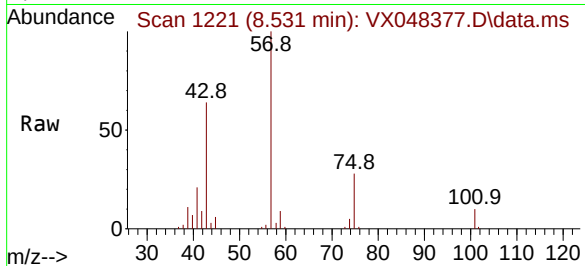




#54
 cis-1,3-Dichloropropene
 Concen: 2.795 ug/l
 RT: 8.531 min Scan# 1192
 Delta R.T. 0.183 min
 Lab File: VX048377.D
 Acq: 27 Oct 2025 17:06

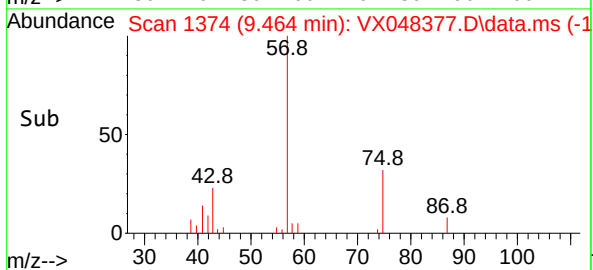
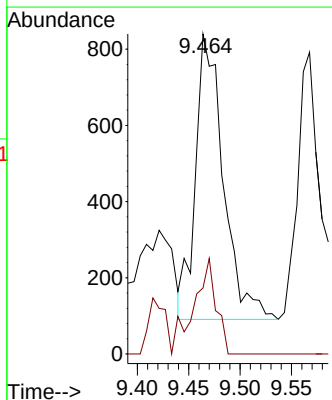
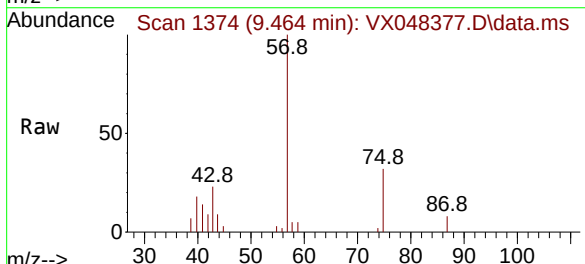
Instrument :
 MSVOA_X
 ClientSampleId :
 P001-TW2-251023-01

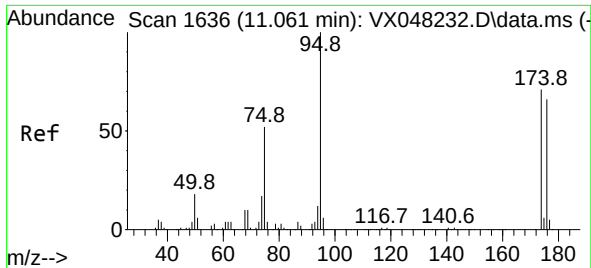
Tgt Ion: 75 Resp: 6731
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 33.7 42.6 64.0#



#59
 2-Hexanone
 Concen: 1.297 ug/l
 RT: 9.464 min Scan# 1374
 Delta R.T. 0.049 min
 Lab File: VX048377.D
 Acq: 27 Oct 2025 17:06

Tgt Ion: 43 Resp: 1416
 Ion Ratio Lower Upper
 43 100
 58 26.8 26.3 78.8

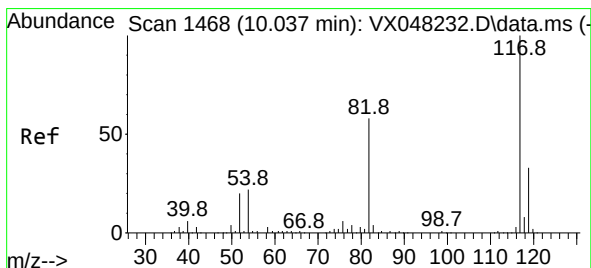
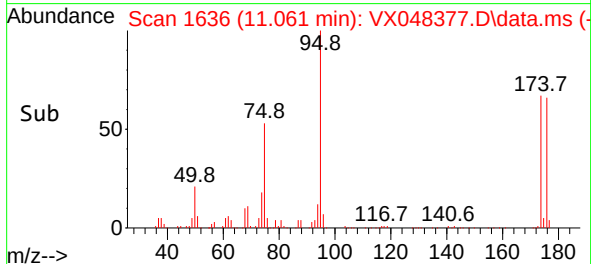
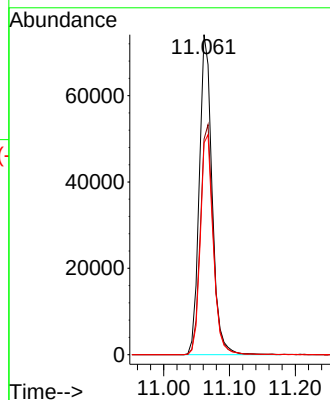
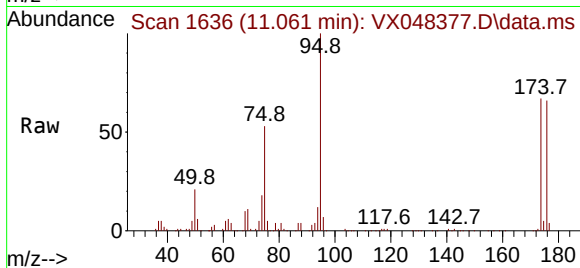




#62
4-Bromofluorobenzene
Concen: 53.357 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

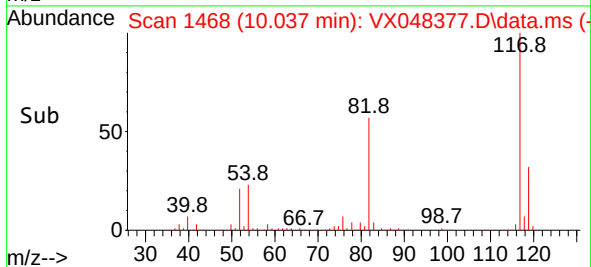
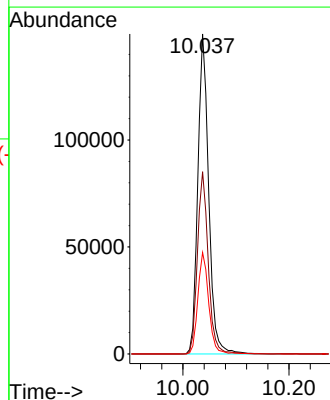
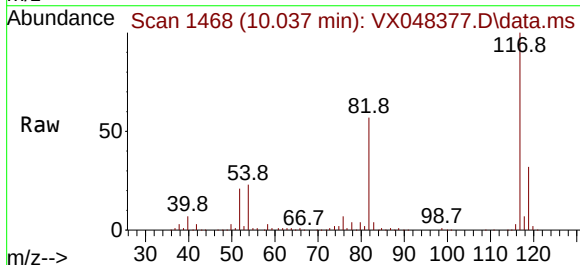
Instrument :
MSVOA_X
ClientSampleId :
P001-TW2-251023-01

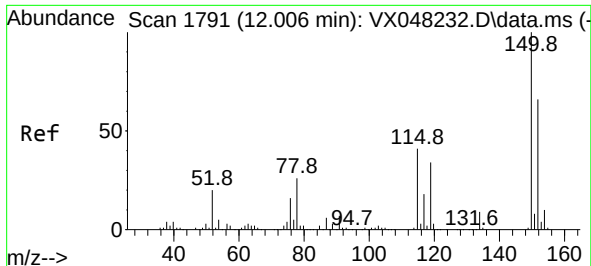
Tgt Ion: 95 Resp: 99842
Ion Ratio Lower Upper
95 100
174 73.0 0.0 147.8
176 69.2 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

Tgt Ion: 117 Resp: 212555
Ion Ratio Lower Upper
117 100
82 57.0 46.5 69.7
119 31.7 25.9 38.9

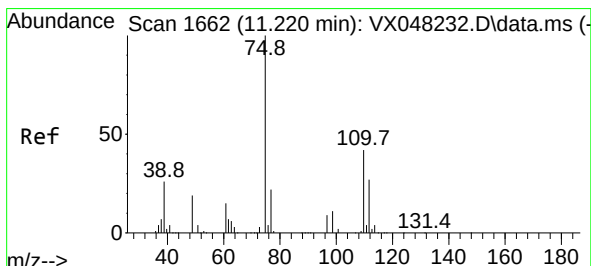
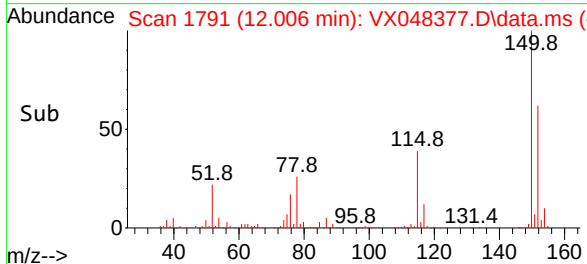
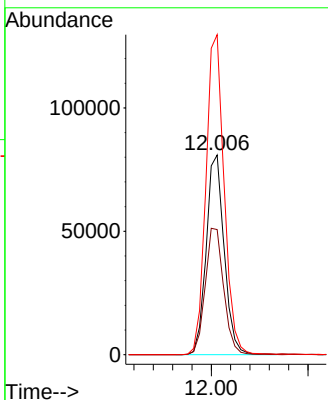
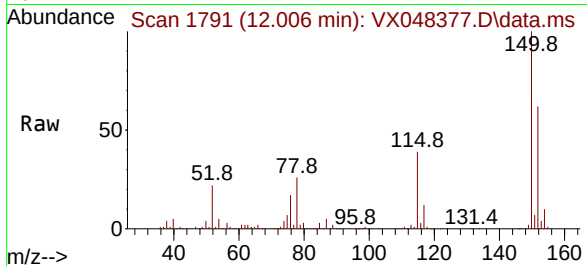




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

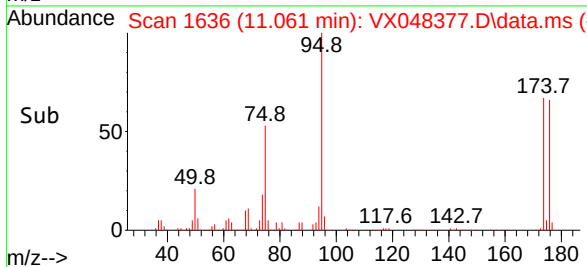
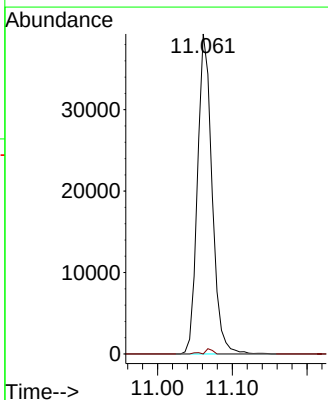
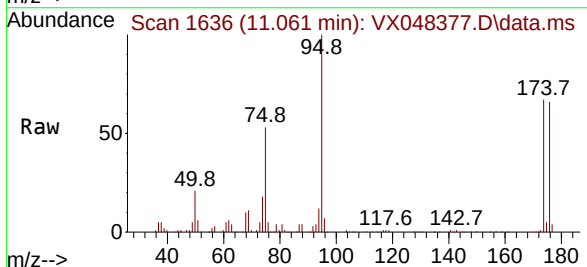
Instrument :
MSVOA_X
ClientSampleId :
P001-TW2-251023-01

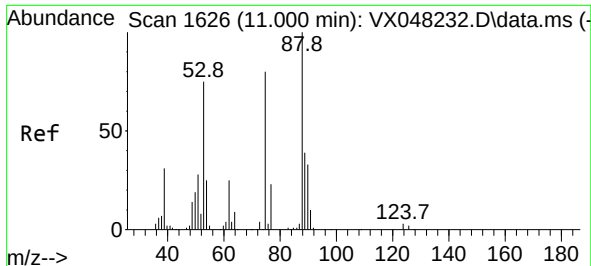
Tgt Ion:152 Resp: 104644
Ion Ratio Lower Upper
152 100
115 65.1 43.1 129.4
150 162.7 0.0 353.0



#76
1,2,3-Trichloropropane
Concen: 31.290 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.158 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

Tgt Ion: 75 Resp: 53099
Ion Ratio Lower Upper
75 100
77 1.0 22.4 67.2#

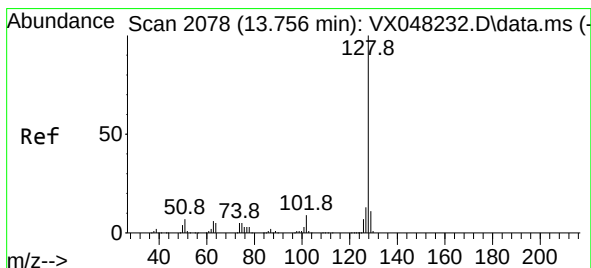
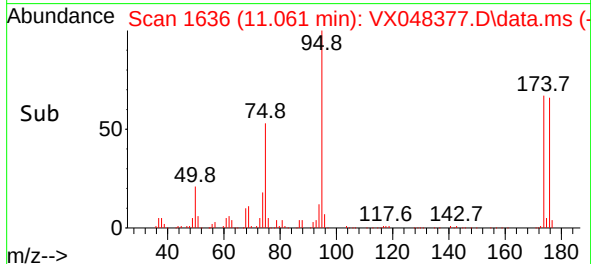
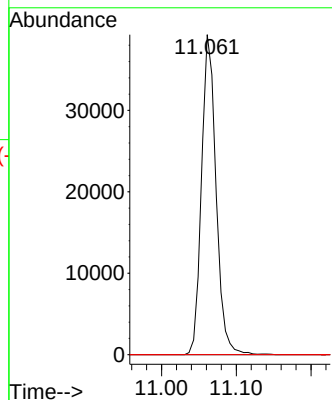
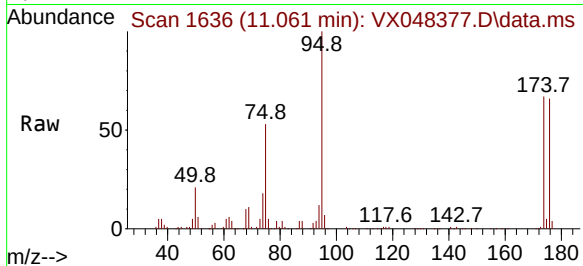




#81
trans-1,4-Dichloro-2-butene
Concen: 76.127 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
P001-TW2-251023-01

Tgt Ion: 75 Resp: 53099
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#



#95
Naphthalene
Concen: 2.257 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. 0.000 min
Lab File: VX048377.D
Acq: 27 Oct 2025 17:06

Tgt Ion: 128 Resp: 13714
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 11.3 8.6 12.8

