

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
 Data File : VX047085.D
 Acq On : 23 Jul 2025 13:04
 Operator : JC/MD
 Sample : Q2668-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

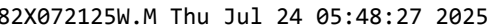
Quant Time: Jul 24 05:48:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

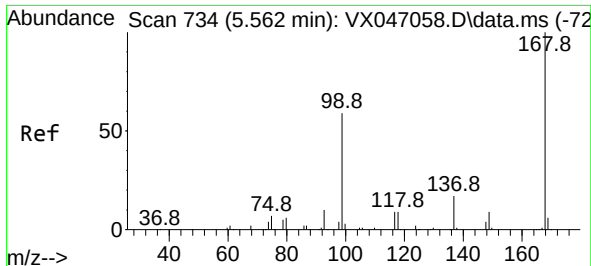
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	366953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	672516	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	644011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	316311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	241280	52.784	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	105.560%		
35) Dibromofluoromethane	5.397	113	196015	47.206	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.420%		
50) Toluene-d8	8.653	98	711982	52.946	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	105.900%		
62) 4-Bromofluorobenzene	11.079	95	294116	50.753	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.500%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	1124	0.399	ug/l #	71
11) Tert butyl alcohol	2.971	59	482	Below Cal	#	72
13) Acrolein	2.252	56	348	0.354	ug/l	86
14) Allyl chloride	2.654	41	2033	0.244	ug/l #	32
16) Acetone	2.392	43	53372	29.146	ug/l	99
17) Carbon Disulfide	2.532	76	5572	0.418	ug/l #	76
18) Methyl Acetate	2.715	43	32249	6.627	ug/l	98
20) Methylene Chloride	2.806	84	18804	3.733	ug/l	97
25) 2-Butanone	4.599	43	6327	2.373	ug/l	98
31) Cyclohexane	5.562	56	8526	0.998	ug/l #	26
36) 1,1-Dichloropropene	5.556	75	31085	4.392	ug/l #	51
37) Ethyl Acetate	4.751	43	16220	2.487	ug/l #	93
38) Carbon Tetrachloride	5.562	117	39063	5.171	ug/l #	18
40) Benzene	6.056	78	35851	1.750	ug/l	97
43) Isopropyl Acetate	6.348	43	12979	1.276	ug/l #	62
48) Methyl methacrylate	7.799	41	116281	20.993	ug/l #	46
49) 1,4-Dioxane	7.811	88	70	1.111	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	162220	26.842	ug/l #	49
52) Toluene	8.720	92	4683	0.372	ug/l	99
54) cis-1,3-Dichloropropene	8.549	75	73050	9.230	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	4282	0.522	ug/l #	43
59) 2-Hexanone	9.378	43	20062	5.024	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	155552	26.568	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	155552	68.451	ug/l #	8

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

Quant Time: Jul 24 05:48:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

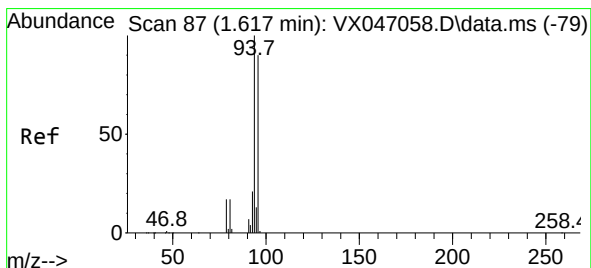
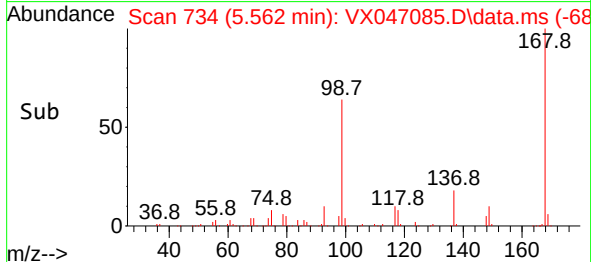
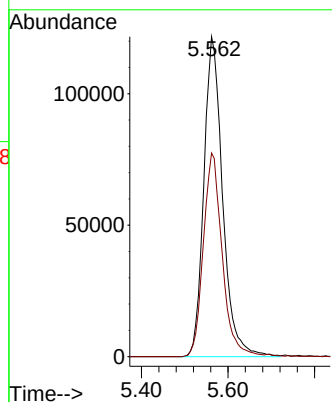
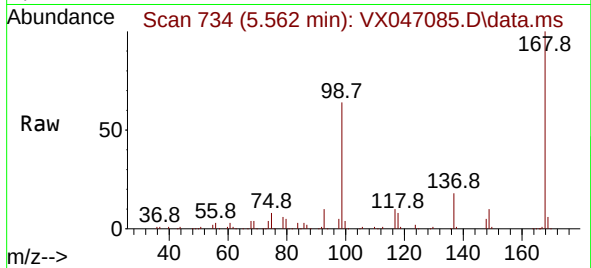




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

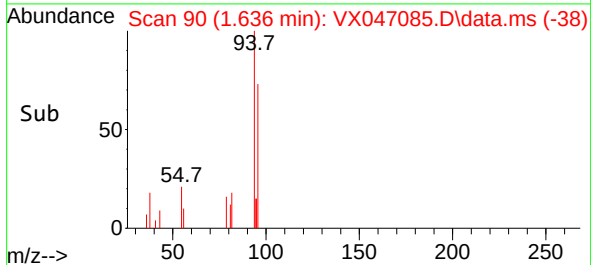
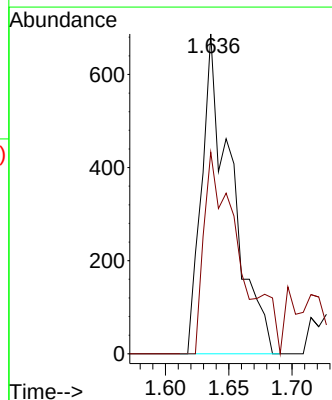
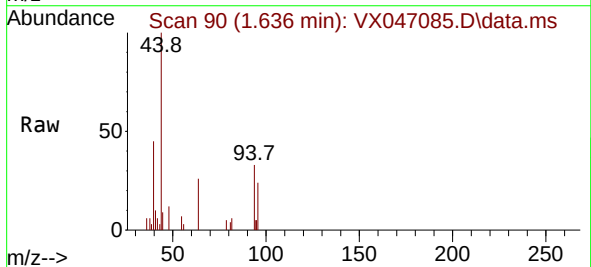
Instrument :
MSVOA_X
ClientSampleId :
TP-1

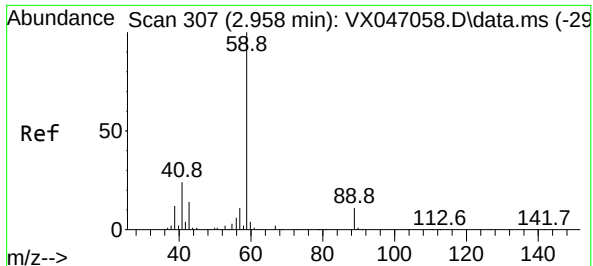
Tgt Ion:168 Resp: 366953
Ion Ratio Lower Upper
168 100
99 63.6 48.0 72.0



#5
Bromomethane
Concen: 0.399 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.019 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

Tgt Ion: 94 Resp: 1124
Ion Ratio Lower Upper
94 100
96 63.0 72.3 108.5#

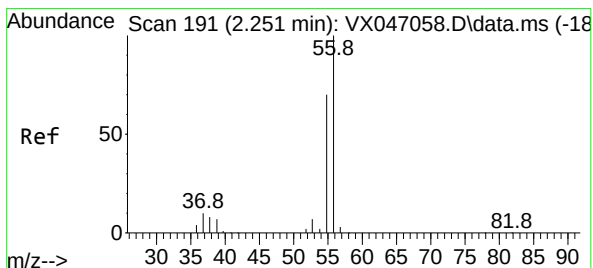
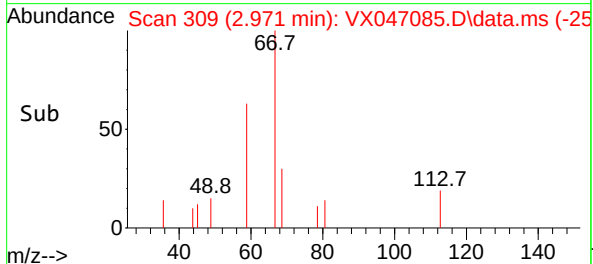
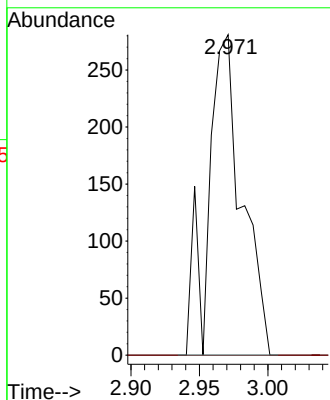
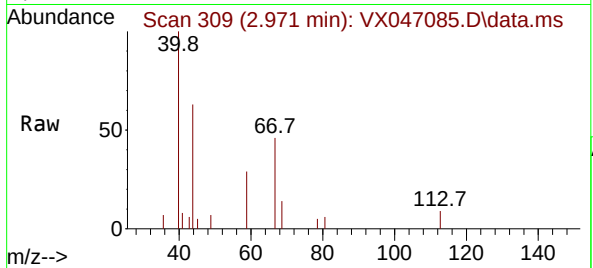




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. 0.013 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

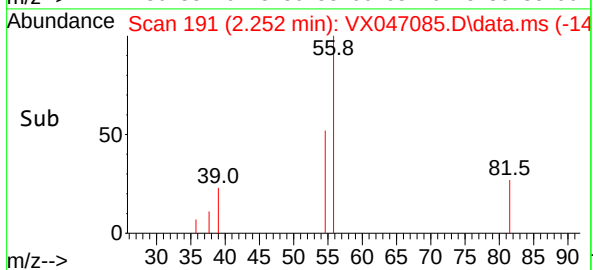
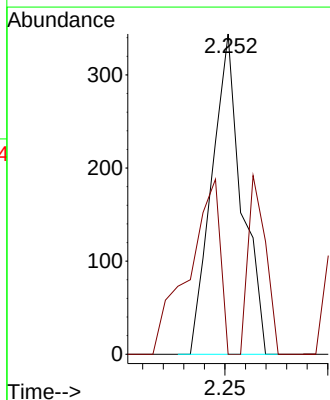
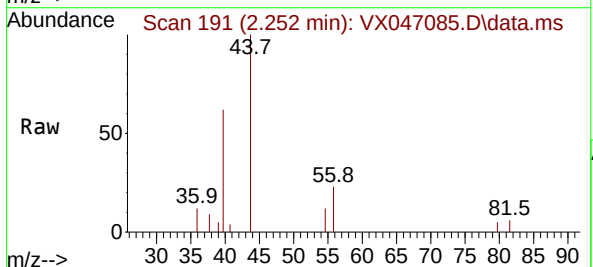
Instrument :
MSVOA_X
ClientSampleId :
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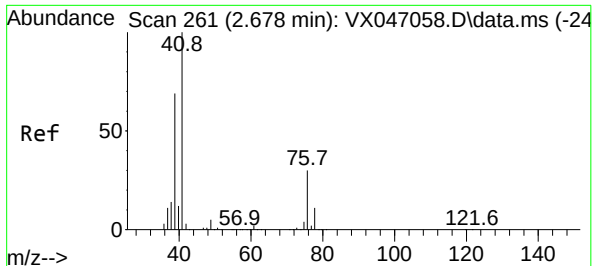
Tgt Ion: 59 Resp: 482
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.354 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

Tgt Ion: 56 Resp: 348
Ion Ratio Lower Upper
56 100
55 58.0 55.7 83.5

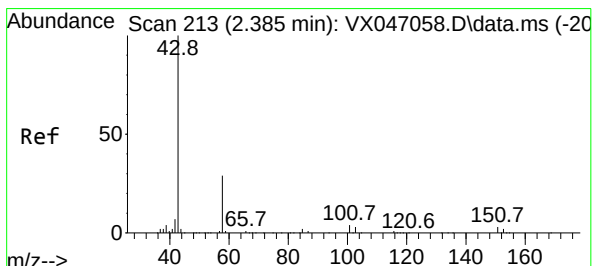
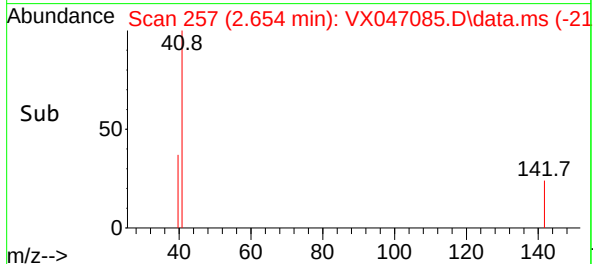
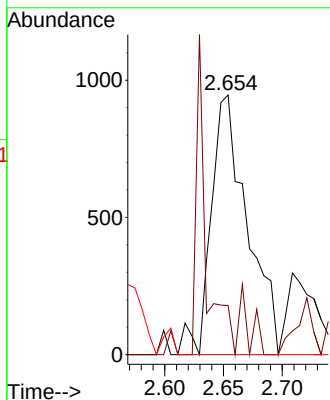
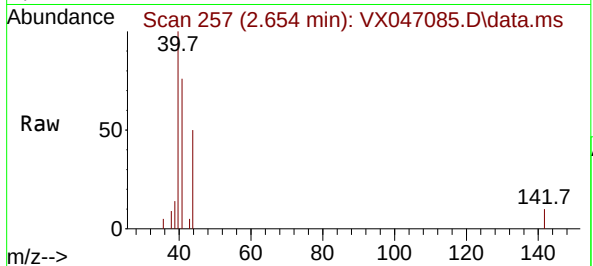




#14
Allyl chloride
Concen: 0.244 ug/l
RT: 2.654 min Scan# 214
Delta R.T. -0.024 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

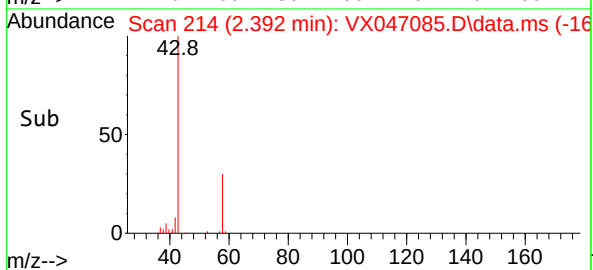
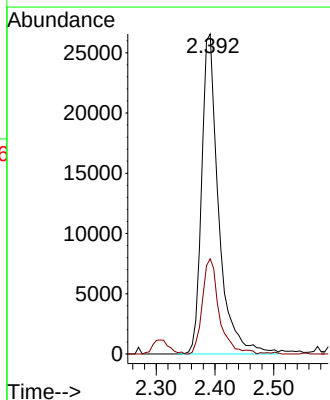
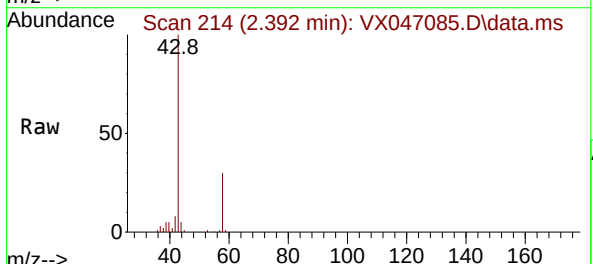
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ClientSampleId :
TP-1

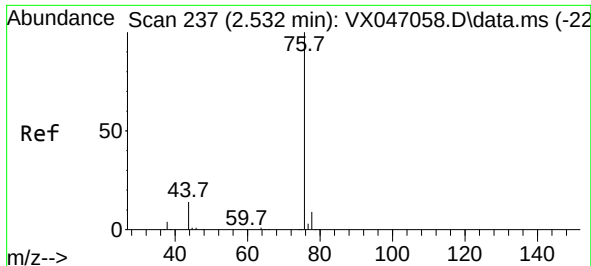
Tgt Ion: 41 Resp: 2033
Ion Ratio Lower Upper
41 100
39 7.6 52.6 78.8#
76 0.0 25.7 38.5#



#16
Acetone
Concen: 29.146 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

Tgt Ion: 43 Resp: 53372
Ion Ratio Lower Upper
43 100
58 29.4 24.0 36.0

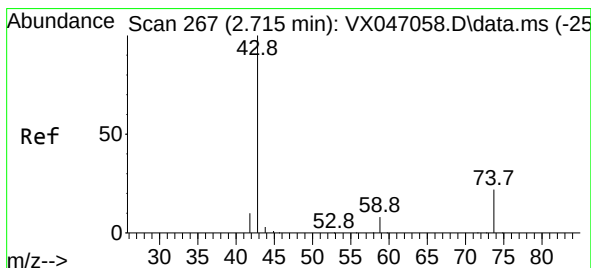
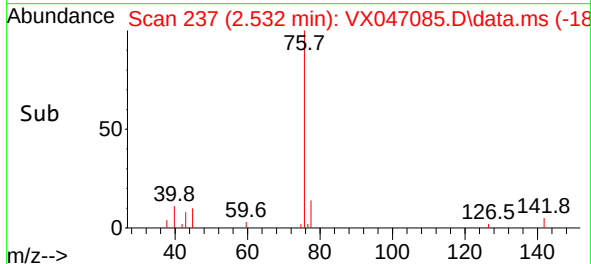
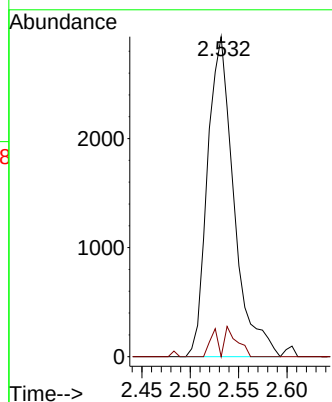
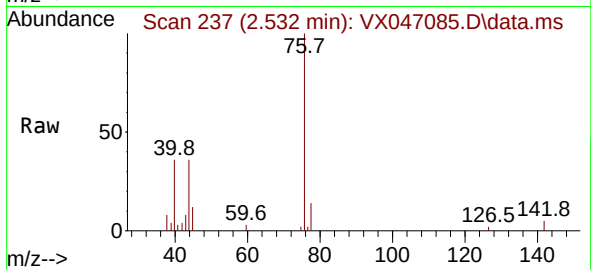




#17
Carbon Disulfide
Concen: 0.418 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

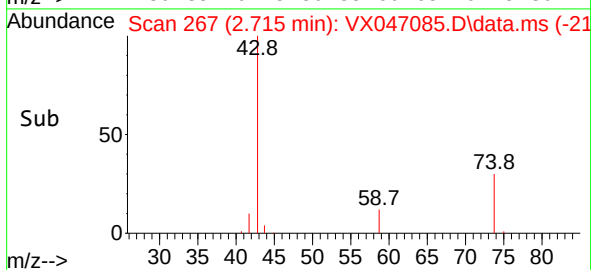
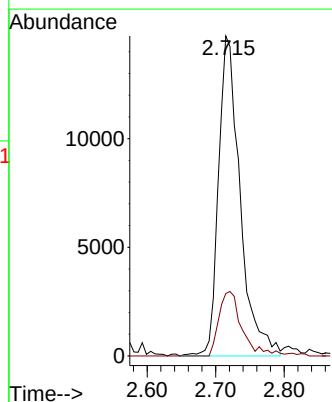
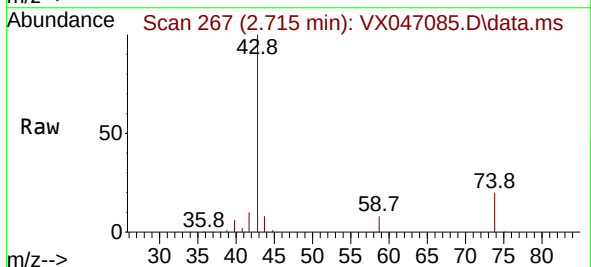
Instrument :
MSVOA_X
ClientSampleId :
TP-1

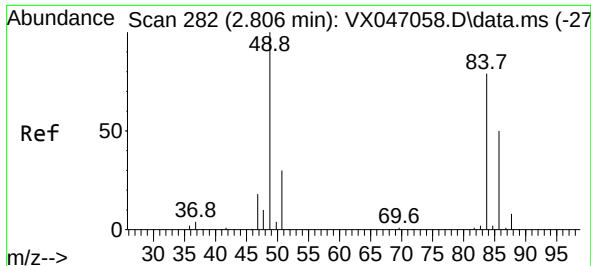
Tgt Ion: 76 Resp: 5572
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 6.627 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

Tgt Ion: 43 Resp: 32249
Ion Ratio Lower Upper
43 100
74 21.3 17.7 26.5

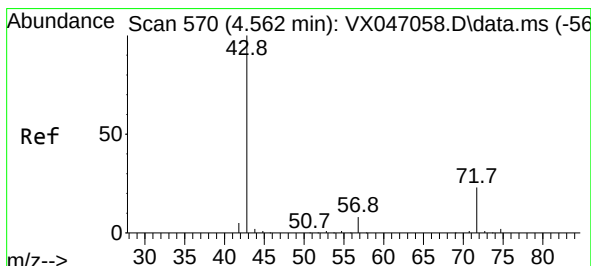
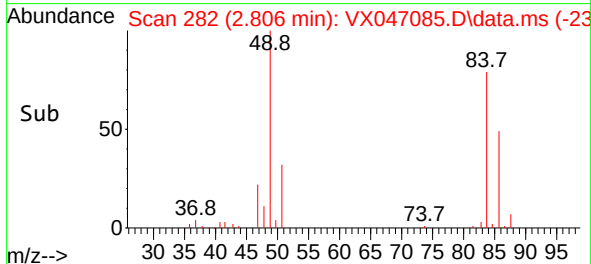
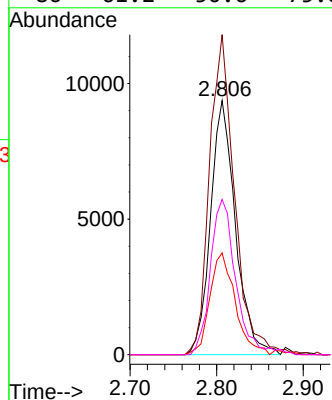
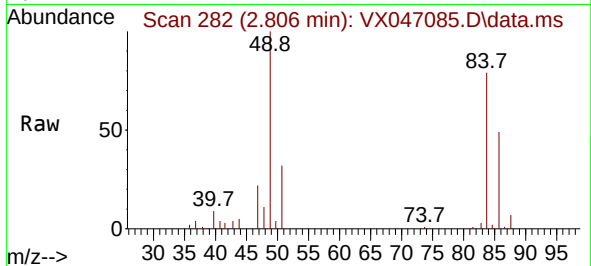




#20
Methylene Chloride
Concen: 3.733 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

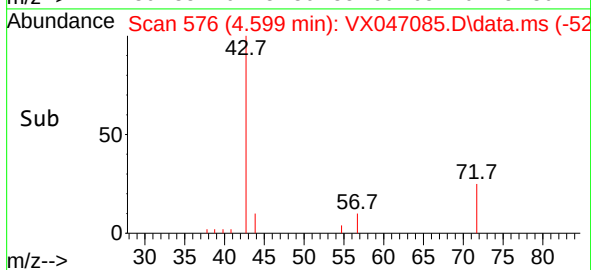
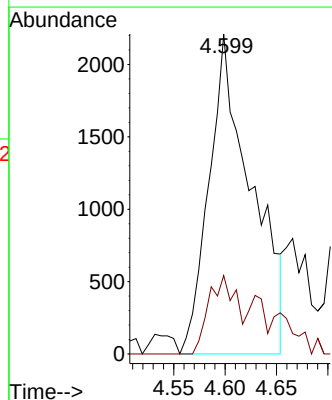
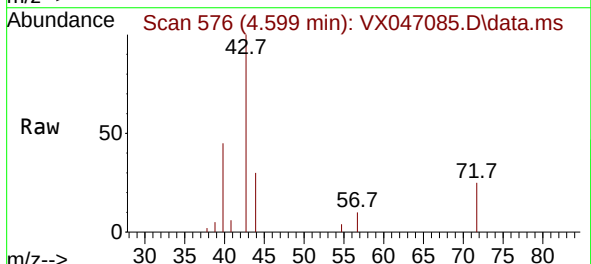
Instrument :
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ClientSampleId :
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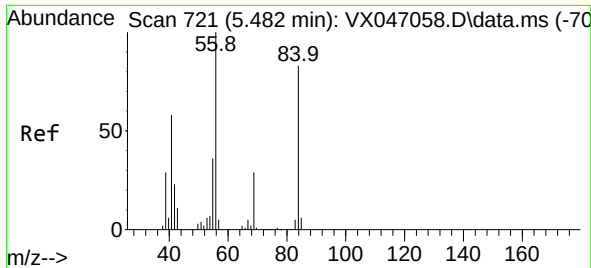
Tgt Ion:	84	Resp:	18804
Ion	Ratio	Lower	Upper
84	100		
49	123.6	101.6	152.4
51	39.3	30.3	45.5
86	61.2	50.6	75.8



#25
2-Butanone
Concen: 2.373 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.037 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

Tgt Ion:	43	Resp:	6327
Ion	Ratio	Lower	Upper
43	100		
72	24.5	18.8	28.2

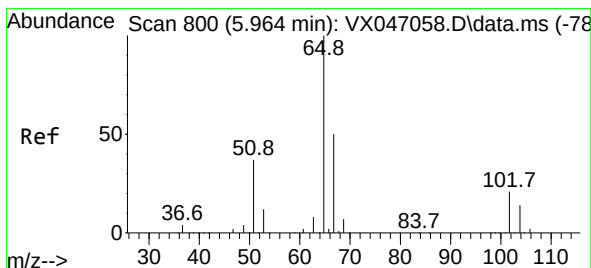
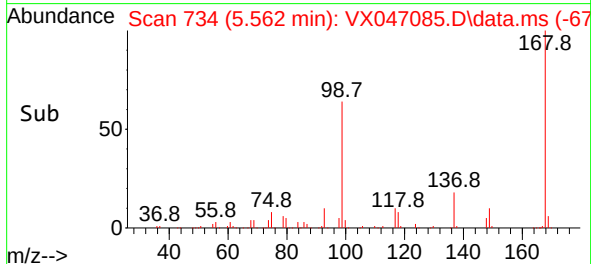
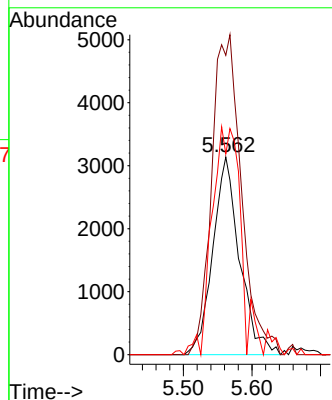
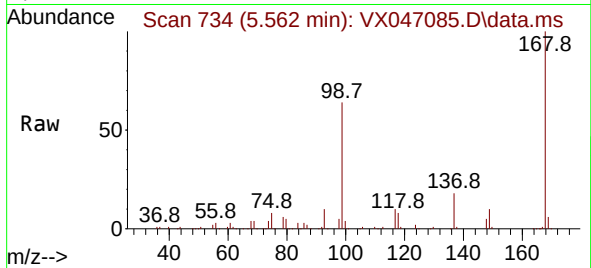




#31
Cyclohexane
Concen: 0.998 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.080 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

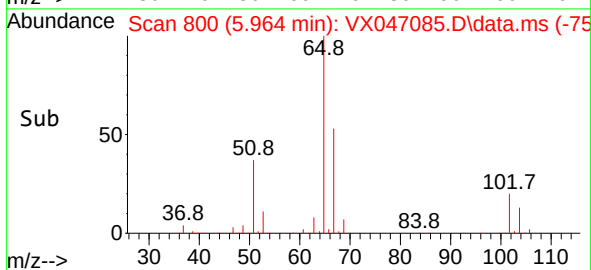
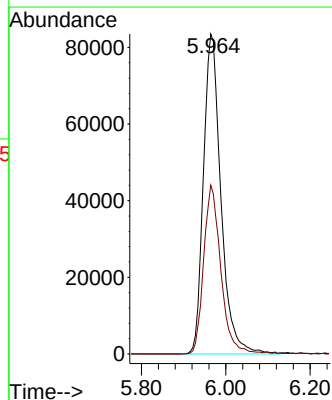
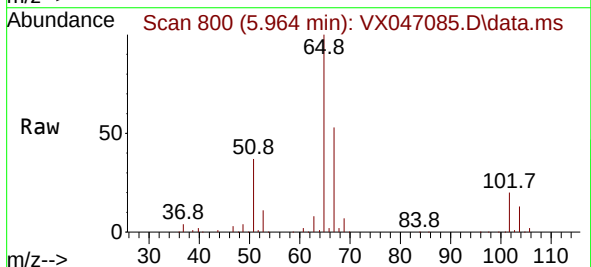
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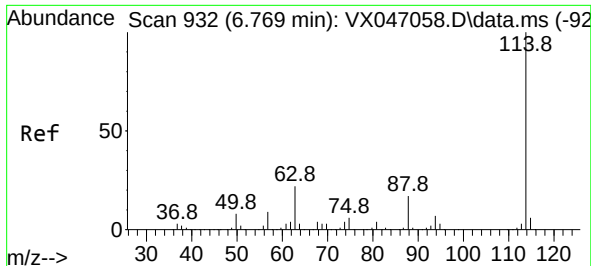
Tgt Ion: 56 Resp: 8526
Ion Ratio Lower Upper
56 100
69 153.7 23.3 34.9#
84 99.6 66.5 99.7



#33
1,2-Dichloroethane-d4
Concen: 52.784 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

Tgt Ion: 65 Resp: 241280
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.8

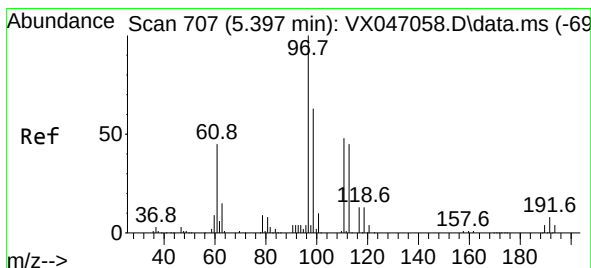
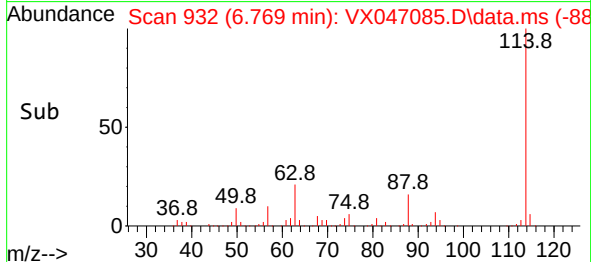
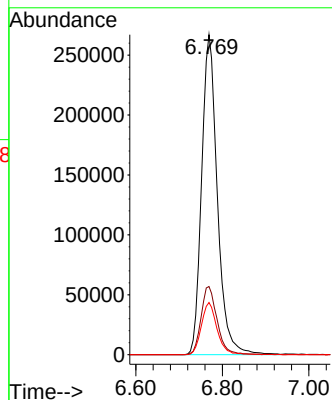
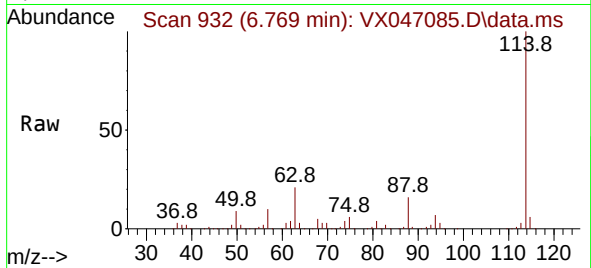




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

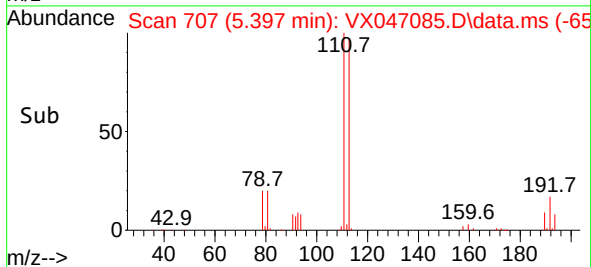
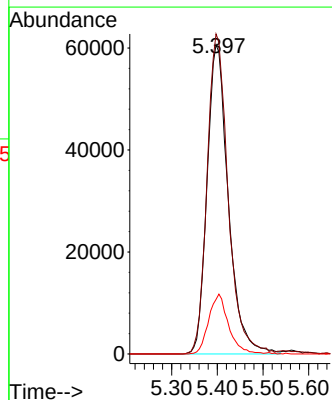
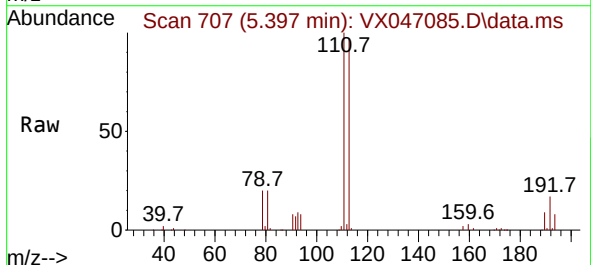
Instrument :
MSVOA_X
ClientSampleId :
TP-1

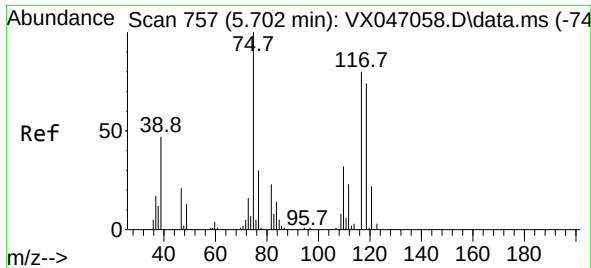
Tgt Ion:114 Resp: 672516
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.2
88 16.3 0.0 33.8



#35
Dibromofluoromethane
Concen: 47.206 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

Tgt Ion:113 Resp: 196015
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 18.1 14.9 22.3

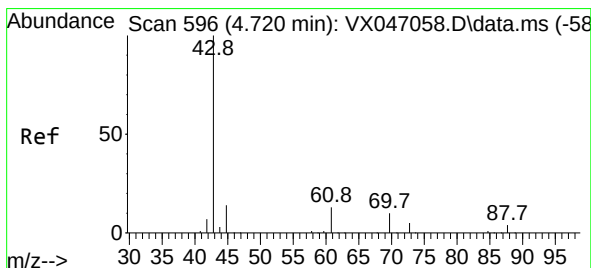
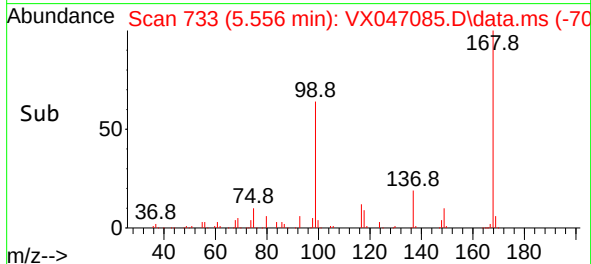
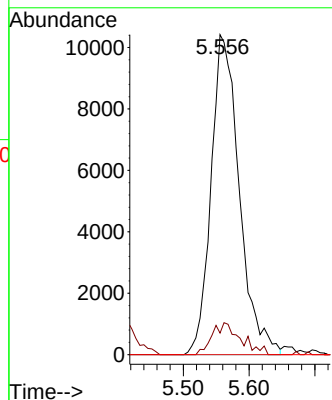
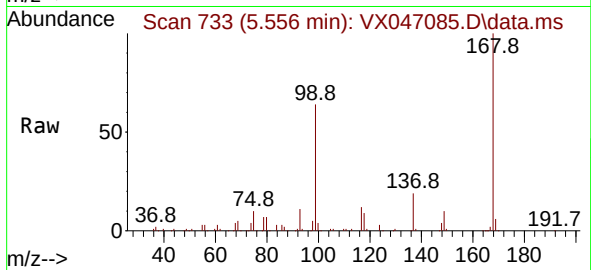




#36
1,1-Dichloropropene
Concen: 4.392 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

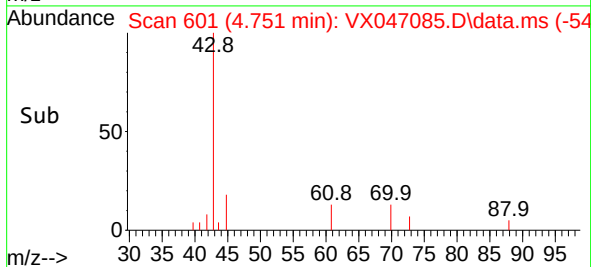
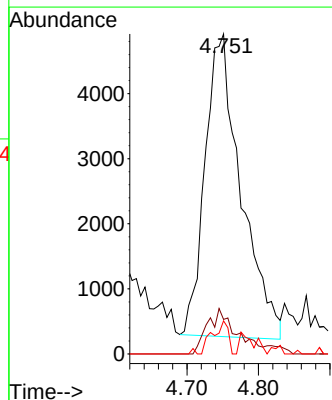
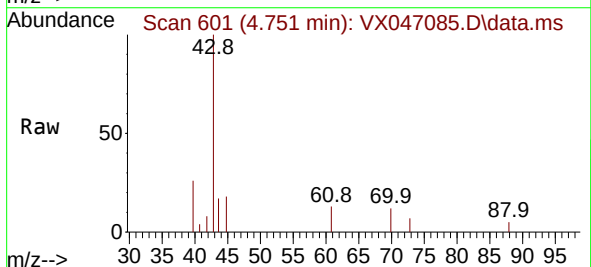
Instrument :
MSVOA_X
ClientSampleId :
TP-1

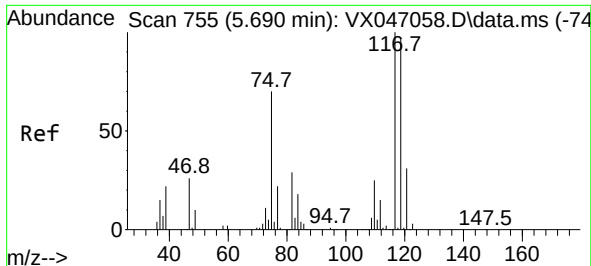
Tgt Ion: 75 Resp: 31085
Ion Ratio Lower Upper
75 100
110 10.1 17.2 51.5#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 2.487 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.031 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

Tgt Ion: 43 Resp: 16220
Ion Ratio Lower Upper
43 100
61 12.1 10.2 15.2
70 4.9 8.1 12.1#

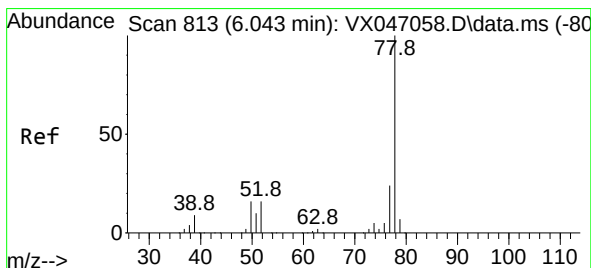
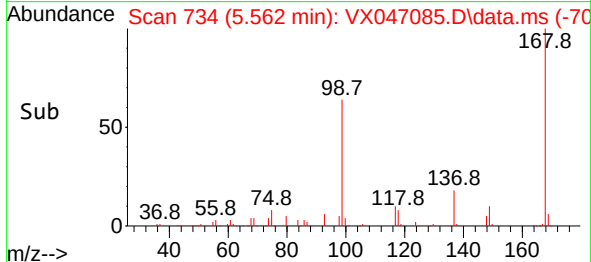
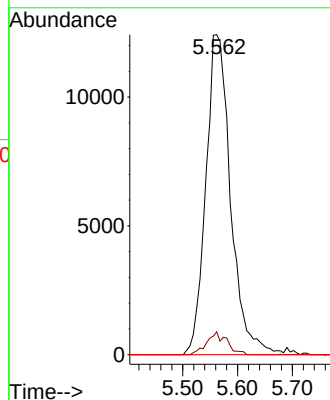
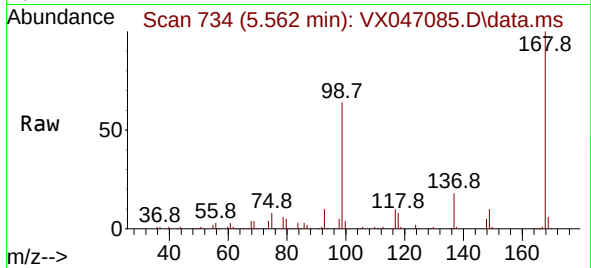




#38
Carbon Tetrachloride
Concen: 5.171 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

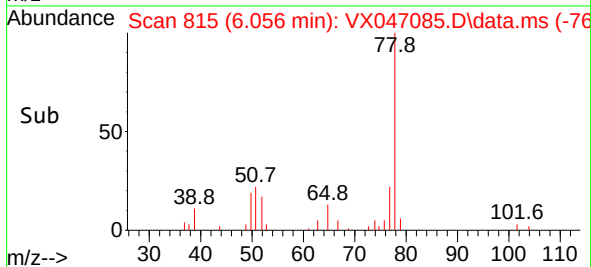
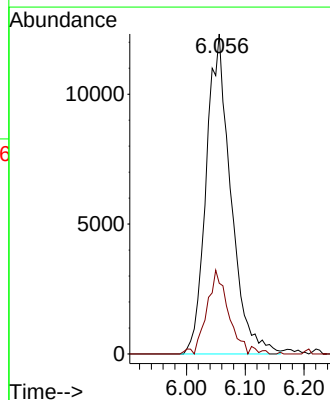
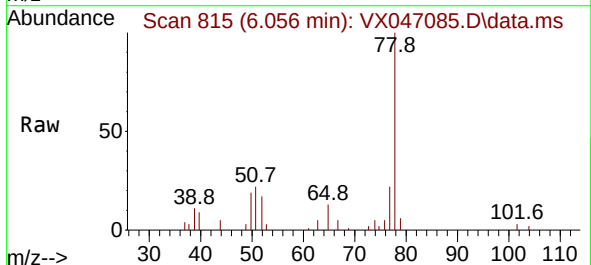
Instrument :
MSVOA_X
ClientSampleId :
TP-1

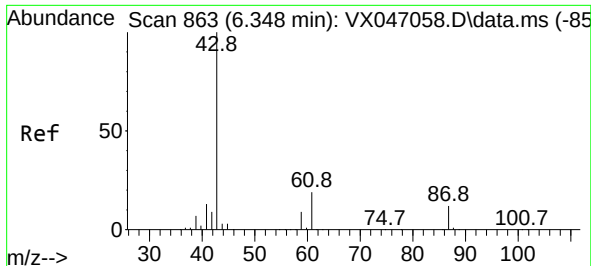
Tgt Ion:117 Resp: 39063
Ion Ratio Lower Upper
117 100
119 7.1 76.6 115.0#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 1.750 ug/l
RT: 6.056 min Scan# 815
Delta R.T. 0.012 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

Tgt Ion: 78 Resp: 35851
Ion Ratio Lower Upper
78 100
77 22.1 19.0 28.4





#43

Isopropyl Acetate

Concen: 1.276 ug/l

RT: 6.348 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX047085.D

Acq: 23 Jul 2025 13:04

Instrument :

MSVOA_X

ClientSampleId :

TP-1

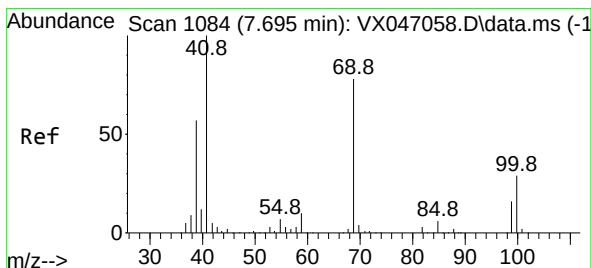
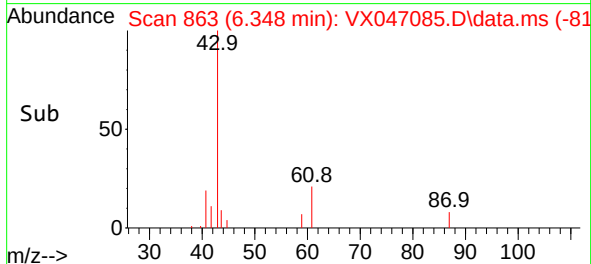
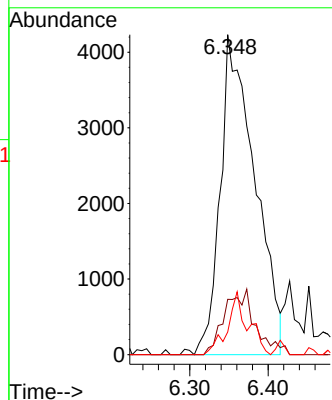
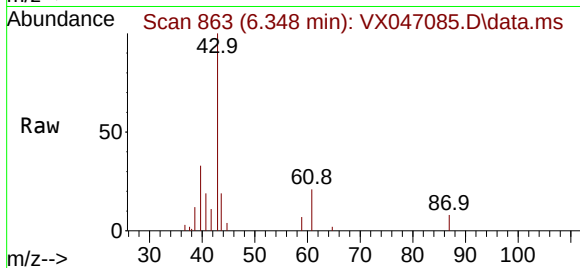
Tgt Ion: 43 Resp: 12979

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

87 0.0 9.7 14.5#



#48

Methyl methacrylate

Concen: 20.993 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX047085.D

Acq: 23 Jul 2025 13:04

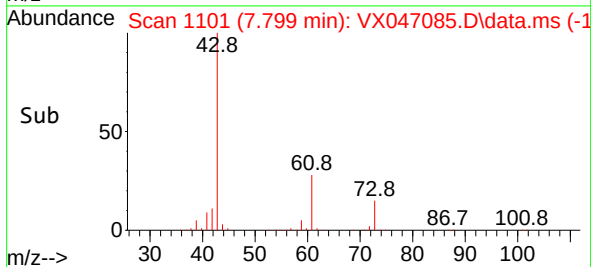
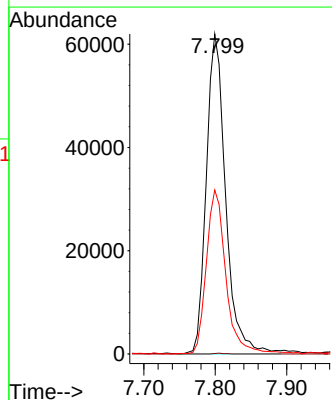
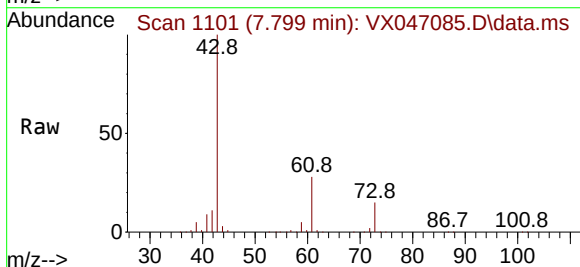
Tgt Ion: 41 Resp: 116281

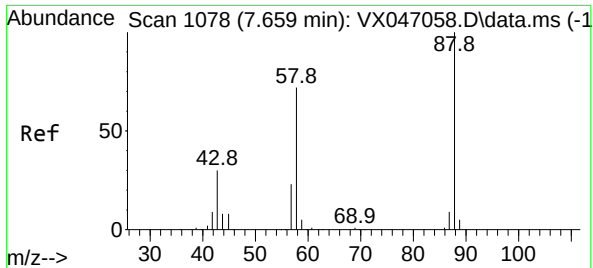
Ion Ratio Lower Upper

41 100

69 0.1 62.3 93.5#

39 52.2 44.8 67.2

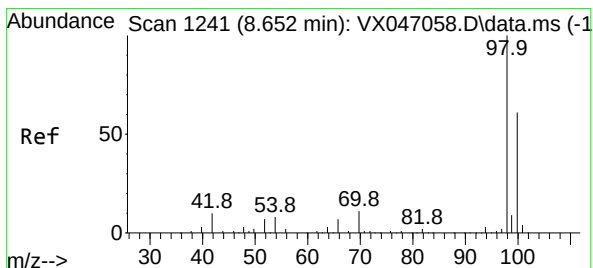
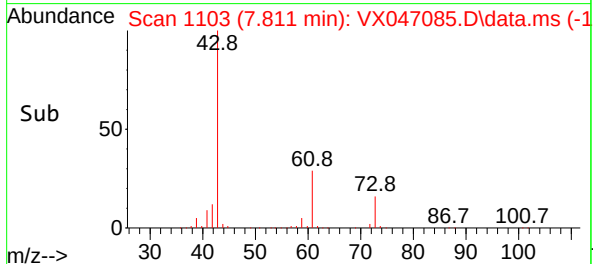
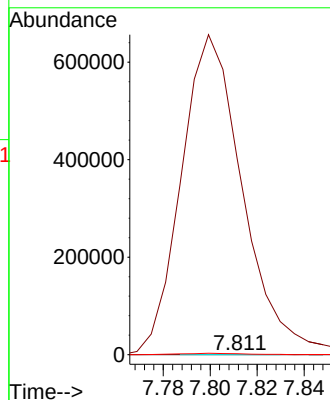
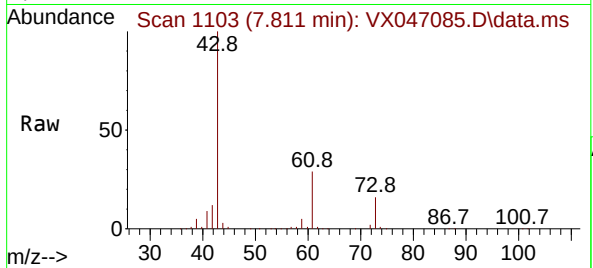




#49
1,4-Dioxane
Concen: 1.111 ug/l
RT: 7.811 min Scan# 1103
Delta R.T. 0.153 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

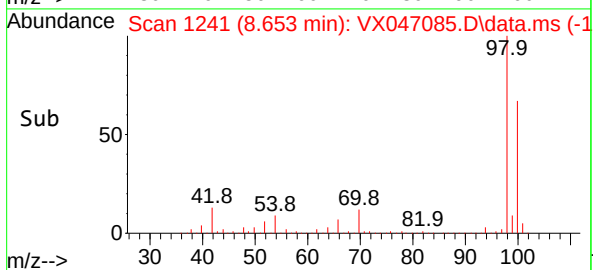
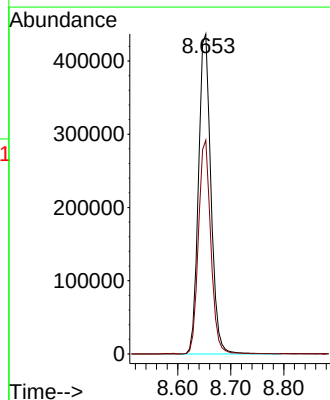
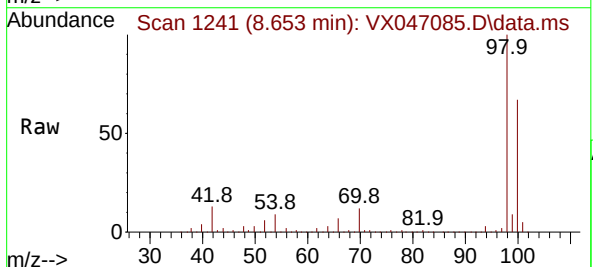
Instrument :
MSVOA_X
ClientSampleId :
TP-1

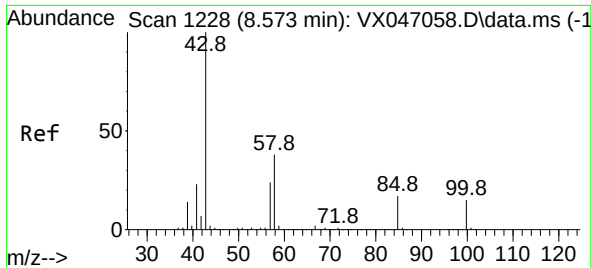
Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 1746021.4 33.6 50.4#
58 7928.6 58.8 88.2#



#50
Toluene-d8
Concen: 52.946 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

Tgt Ion: 98 Resp: 711982
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9

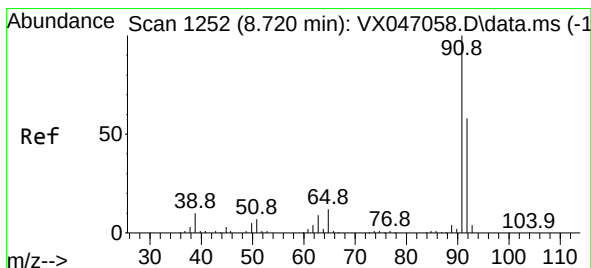
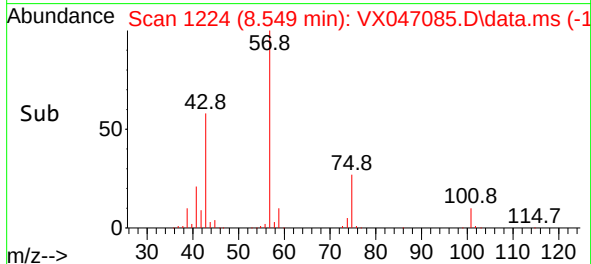
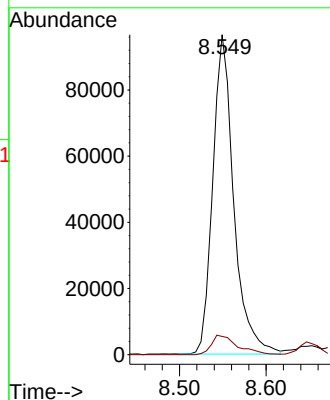
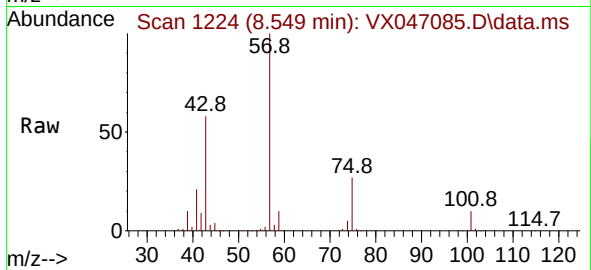




#51
4-Methyl-2-Pentanone
Concen: 26.842 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

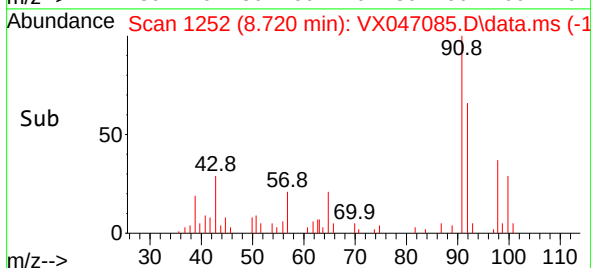
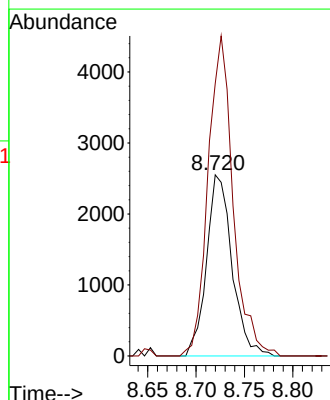
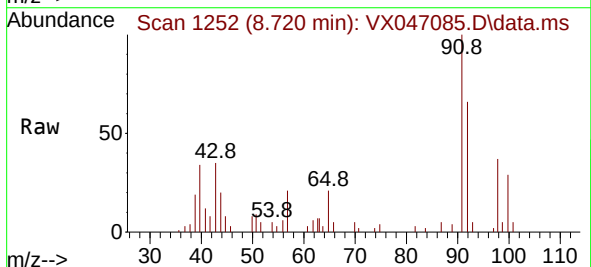
Instrument :
MSVOA_X
ClientSampleId :
TP-1

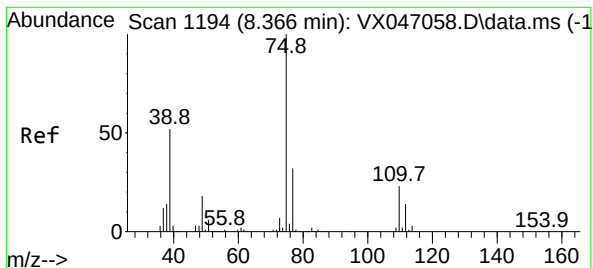
Tgt Ion: 43 Resp: 162220
Ion Ratio Lower Upper
43 100
58 7.6 30.6 45.8#



#52
Toluene
Concen: 0.372 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

Tgt Ion: 92 Resp: 4683
Ion Ratio Lower Upper
92 100
91 173.5 137.9 206.9





#54

cis-1,3-Dichloropropene

Concen: 9.230 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX047085.D

Acq: 23 Jul 2025 13:04

Instrument :

MSVOA_X

ClientSampleId :

TP-1

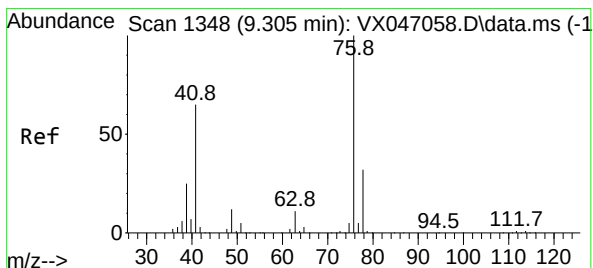
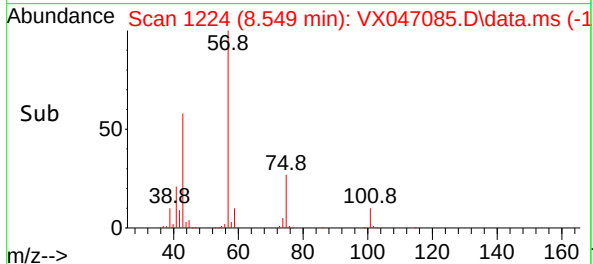
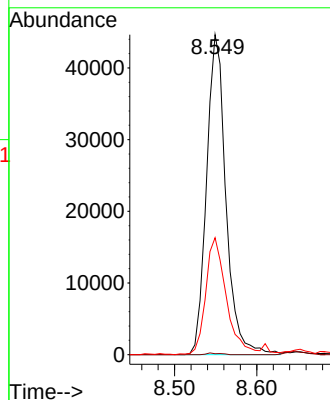
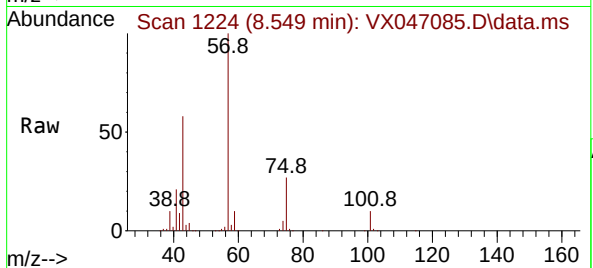
Tgt Ion: 75 Resp: 73050

Ion Ratio Lower Upper

75 100

77 0.3 25.4 38.0#

39 36.3 41.8 62.6#



#57

1,3-Dichloropropane

Concen: 0.522 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX047085.D

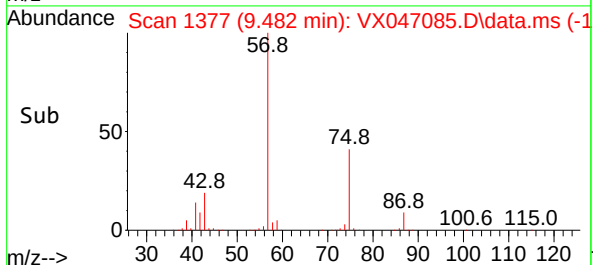
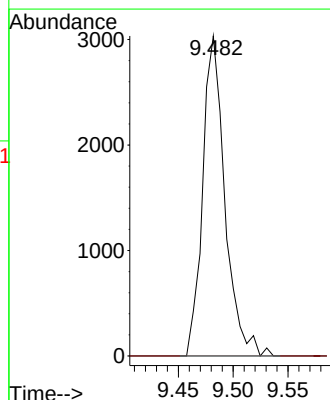
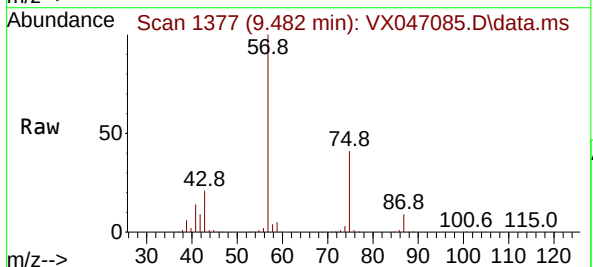
Acq: 23 Jul 2025 13:04

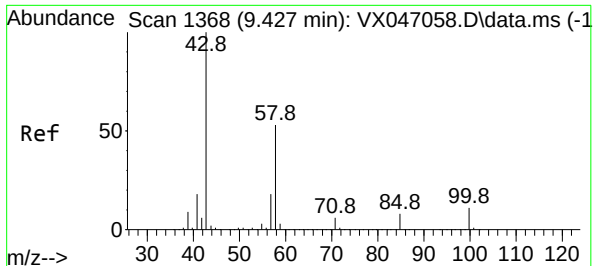
Tgt Ion: 76 Resp: 4282

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#

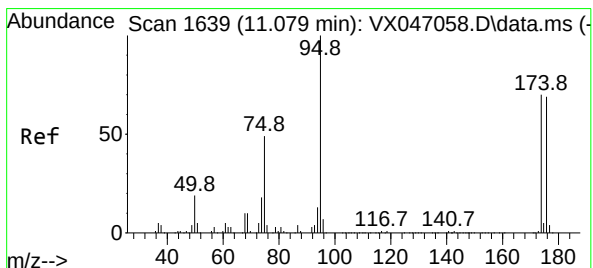
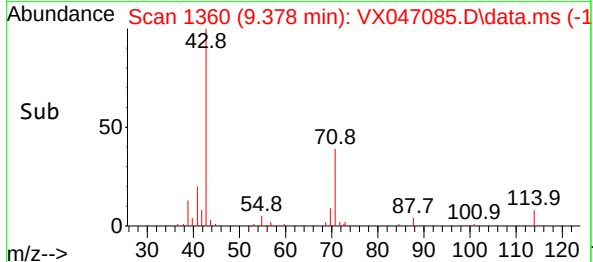
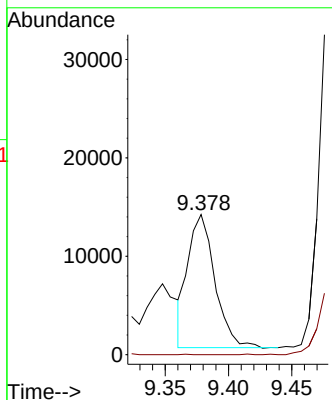
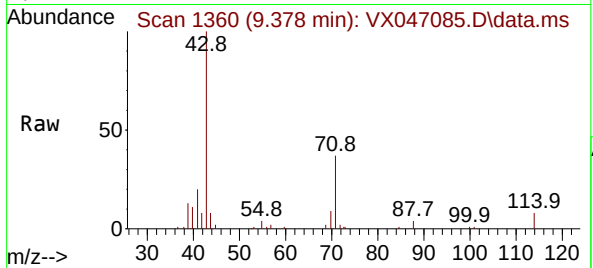




#59
2-Hexanone
Concen: 5.024 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.048 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

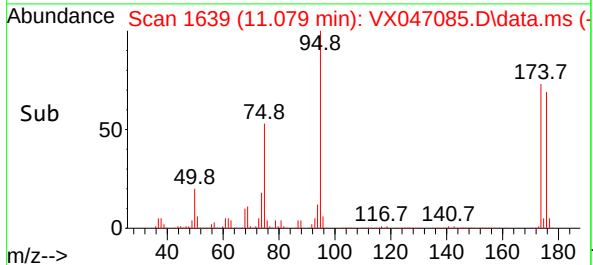
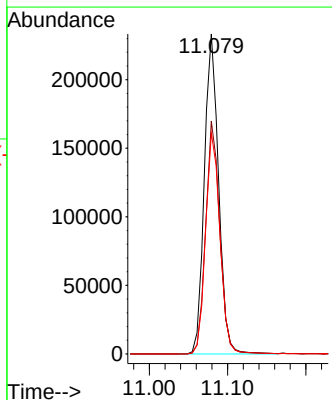
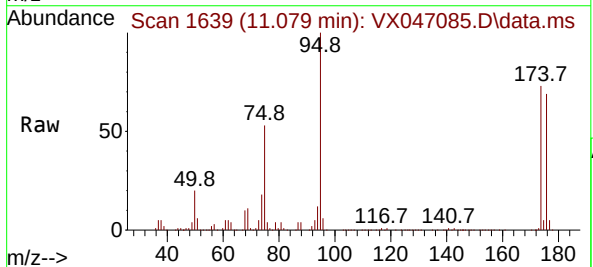
Instrument :
MSVOA_X
ClientSampleId :
TP-1

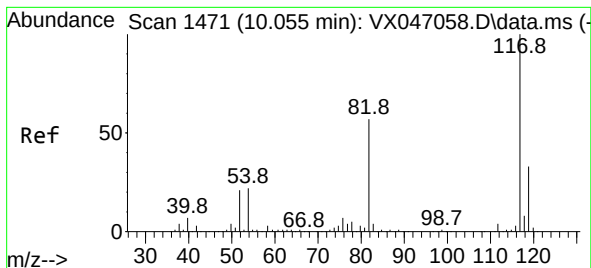
Tgt Ion: 43 Resp: 20062
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 50.753 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

Tgt Ion: 95 Resp: 294116
Ion Ratio Lower Upper
95 100
174 72.4 0.0 144.6
176 69.8 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047085.D

Acq: 23 Jul 2025 13:04

Instrument :

MSVOA_X

ClientSampleId :

TP-1

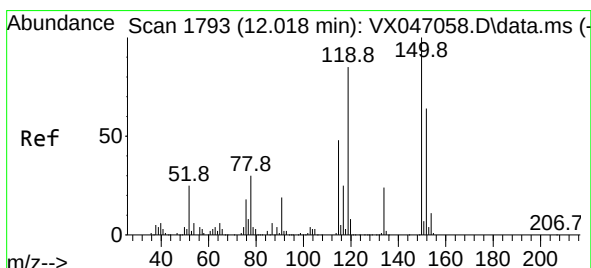
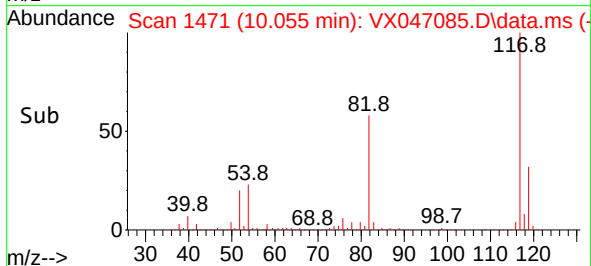
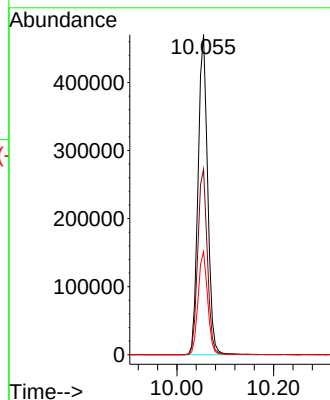
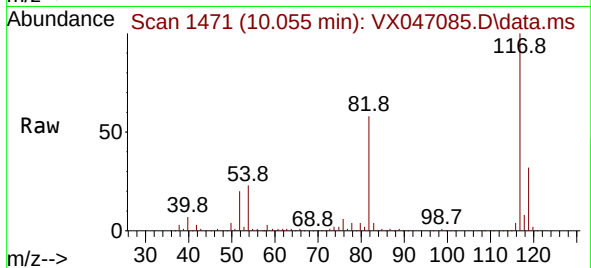
Tgt Ion:117 Resp: 644011

Ion Ratio Lower Upper

117 100

82 57.9 45.4 68.2

119 32.2 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047085.D

Acq: 23 Jul 2025 13:04

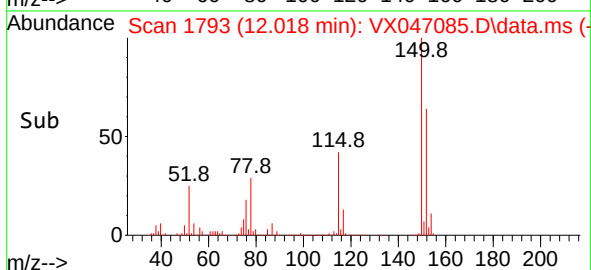
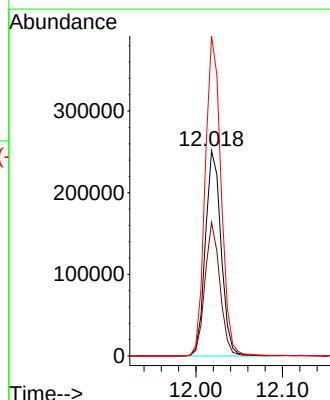
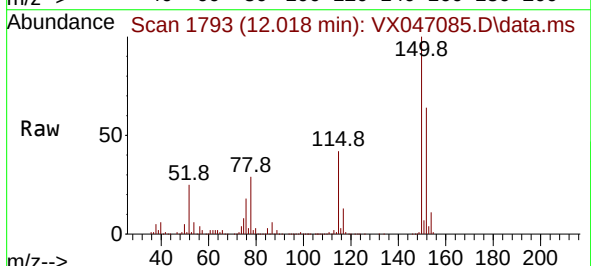
Tgt Ion:152 Resp: 316311

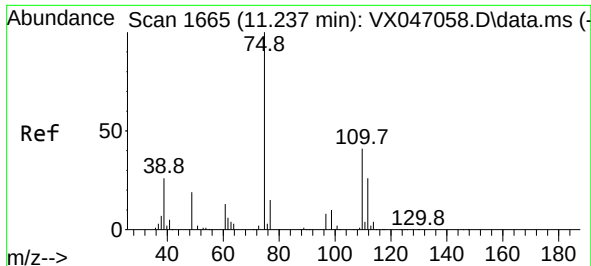
Ion Ratio Lower Upper

152 100

115 62.3 45.6 136.7

150 157.8 0.0 354.6

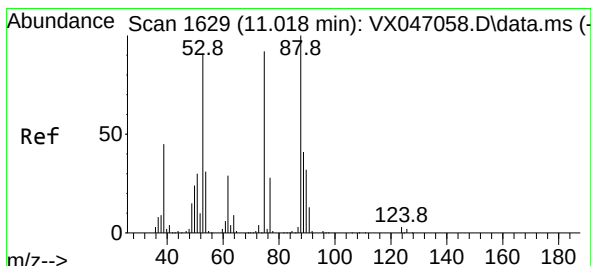
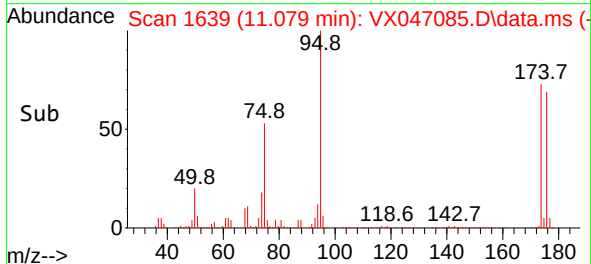
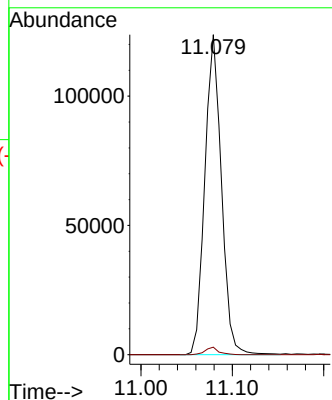
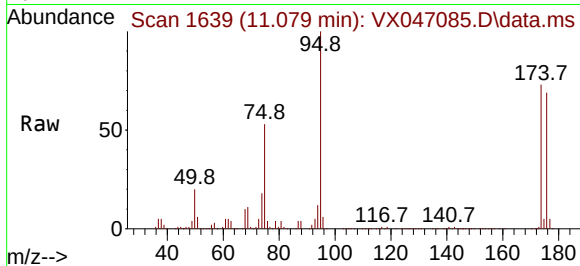




#76
1,2,3-Trichloropropane
Concen: 26.568 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
TP-1

Tgt Ion: 75 Resp: 155552
Ion Ratio Lower Upper
75 100
77 1.9 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.451 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047085.D
Acq: 23 Jul 2025 13:04

Tgt Ion: 75 Resp: 155552
Ion Ratio Lower Upper
75 100
53 0.1 84.2 126.4#
89 0.0 36.0 54.0#

