

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048295.D
 Acq On : 22 Oct 2025 14:06
 Operator : JC/MD
 Sample : PB170173TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB170173TB

Quant Time: Oct 24 05:54:51 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)

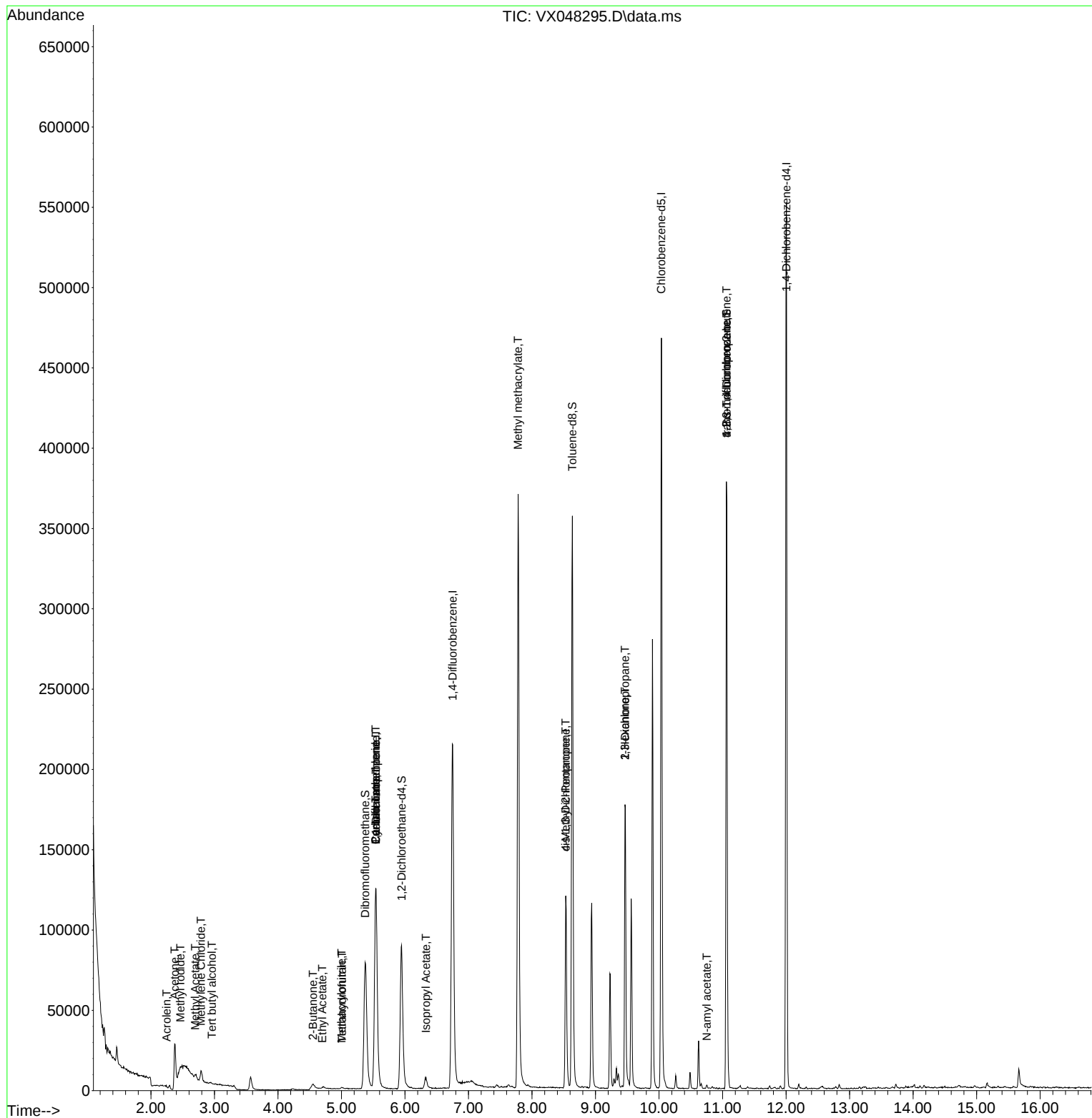
Internal Standards						
1) Pentafluorobenzene	5.538	168	129782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	247687	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	219768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	96738	53.163	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.320%			
35) Dibromofluoromethane	5.373	113	79661	47.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.220%			
50) Toluene-d8	8.635	98	223282	37.672	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 75.340%#			
62) 4-Bromofluorobenzene	11.061	95	111073	49.261	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.520%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	1960	1.113	ug/l #	94
11) Tert butyl alcohol	2.959	59	350	1.937	ug/l #	72
13) Acrolein	2.245	56	157	0.852	ug/l #	15
16) Acetone	2.373	43	37657	60.325	ug/l	94
18) Methyl Acetate	2.697	43	5410	4.150	ug/l #	83
20) Methylene Chloride	2.788	84	3182	2.092	ug/l	94
25) 2-Butanone	4.550	43	6157	7.792	ug/l	93
29) Tetrahydrofuran	5.007	42	450	0.951	ug/l #	84
31) Cyclohexane	5.544	56	2521	1.116	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10001	4.161	ug/l #	47
37) Ethyl Acetate	4.696	43	937	0.470	ug/l #	62
38) Carbon Tetrachloride	5.538	117	13197	4.451	ug/l #	17
41) Methacrylonitrile	5.001	41	227	0.217	ug/l #	42
43) Isopropyl Acetate	6.330	43	10713	3.274	ug/l	98
48) Methyl methacrylate	7.781	41	34297	20.771	ug/l #	45
51) 4-Methyl-2-Pentanone	8.531	43	42060	22.293	ug/l #	52
54) cis-1,3-Dichloropropene	8.531	75	20591	7.097	ug/l #	53
57) 1,3-Dichloropropane	9.464	76	1530	0.543	ug/l #	43
59) 2-Hexanone	9.464	43	22387	17.017	ug/l #	54
74) N-amyl acetate	10.750	43	1499	0.473	ug/l #	45
76) 1,2,3-Trichloropropane	11.061	75	55898	28.176	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	55898	68.550	ug/l #	10

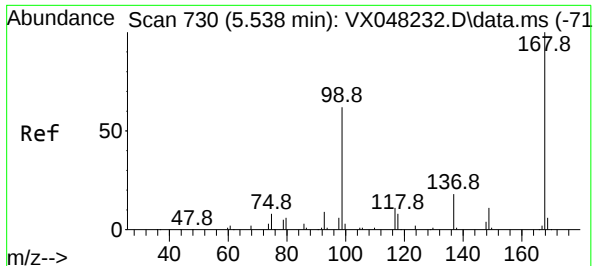
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
PB170173TB

Quant Time: Oct 24 05:54:51 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

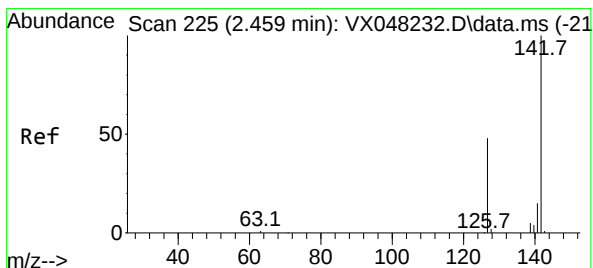
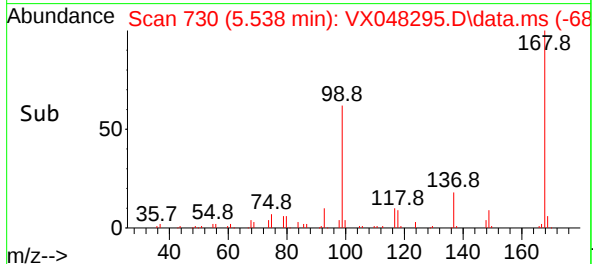
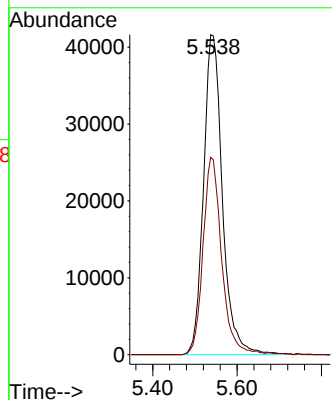
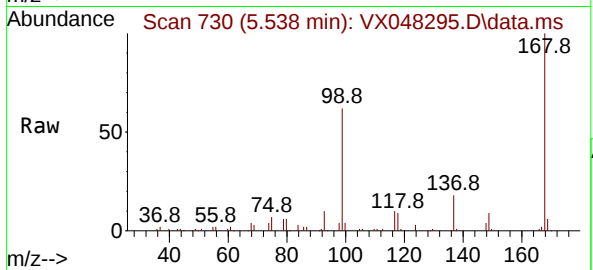




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

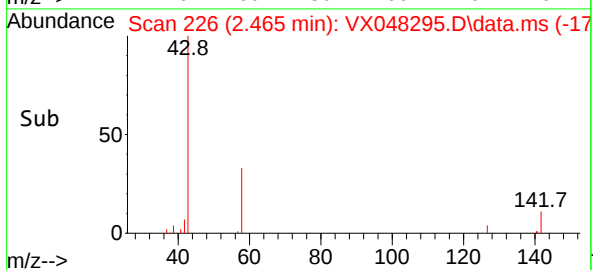
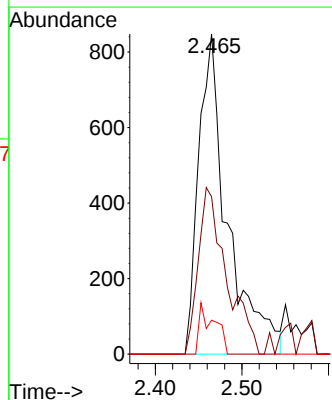
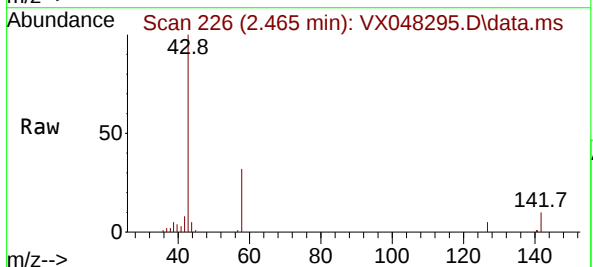
Instrument :
MSVOA_X
ClientSampleId :
PB170173TB

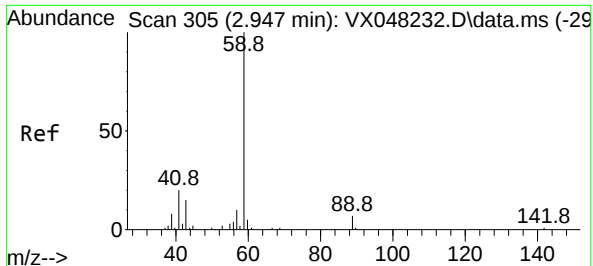
Tgt Ion:168 Resp: 129782
Ion Ratio Lower Upper
168 100
99 61.7 46.4 69.6



#10
Methyl Iodide
Concen: 1.113 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

Tgt Ion:142 Resp: 1960
Ion Ratio Lower Upper
142 100
127 50.8 38.5 57.7
141 8.5 11.6 17.4#

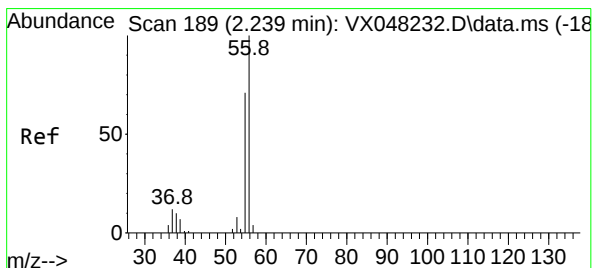
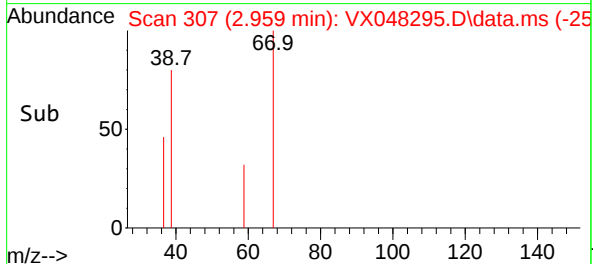
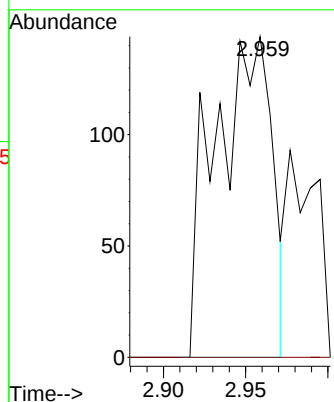
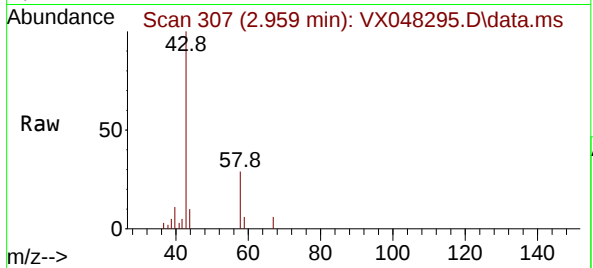




#11
Tert butyl alcohol
Concen: 1.937 ug/l
RT: 2.959 min Scan# 305
Delta R.T. 0.018 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

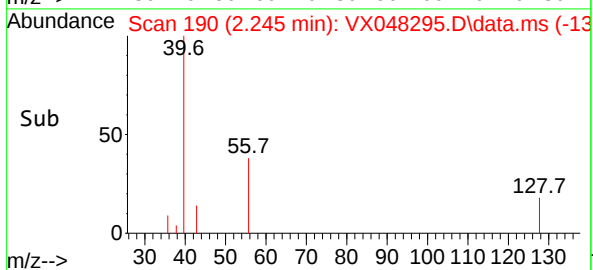
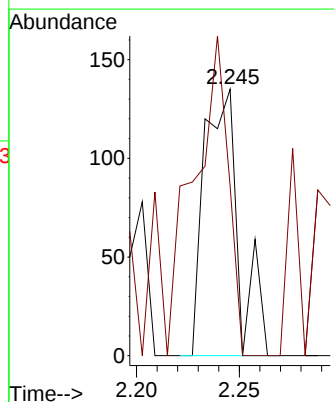
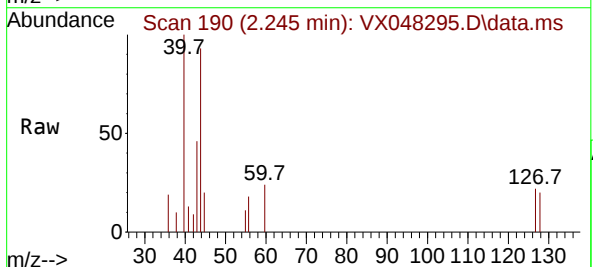
Instrument :
MSVOA_X
ClientSampleId :
PB170173TB

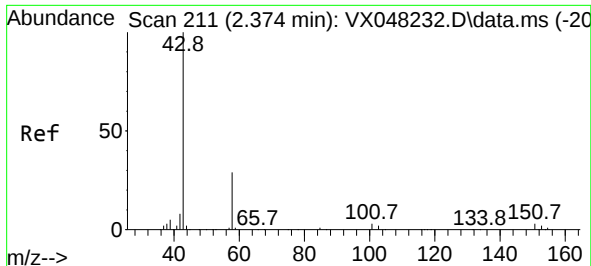
Tgt Ion: 59 Resp: 350
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.852 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.012 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

Tgt Ion: 56 Resp: 157
Ion Ratio Lower Upper
56 100
55 140.1 56.1 84.1#

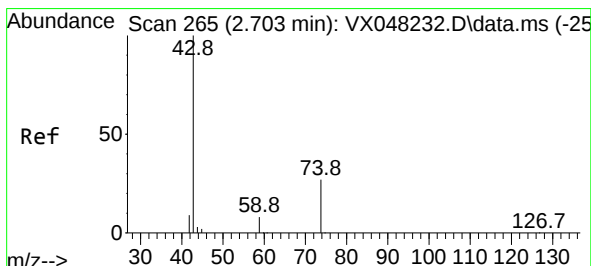
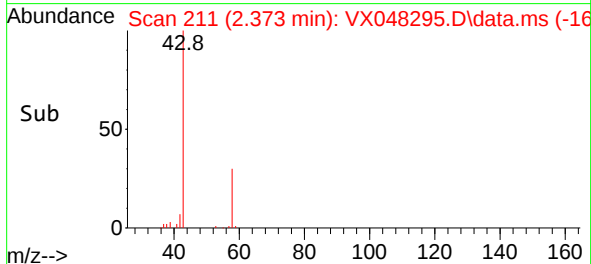
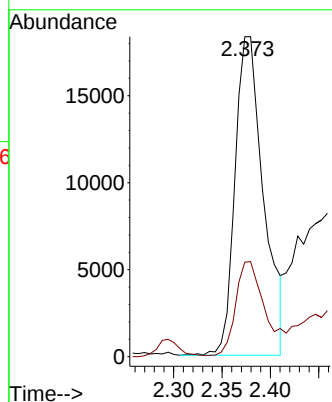
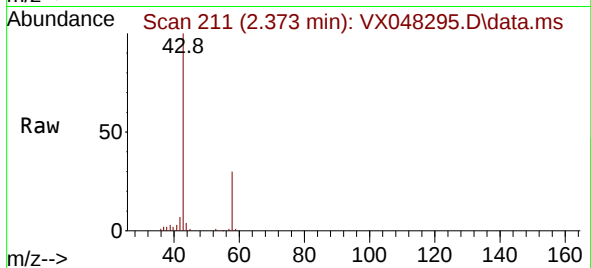




#16
Acetone
Concen: 60.325 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

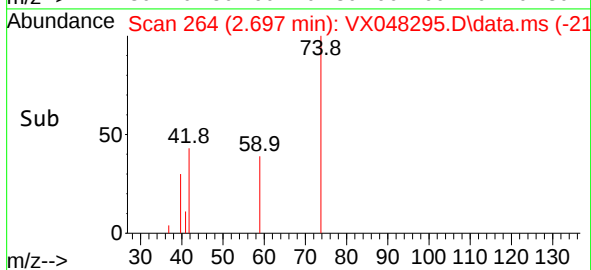
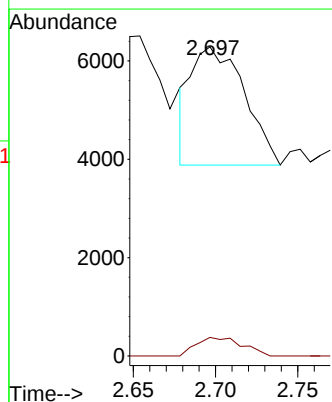
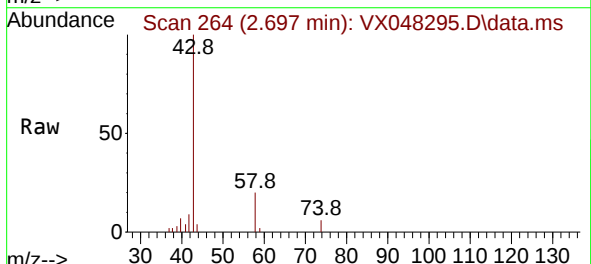
Instrument :
MSVOA_X
ClientSampleId :
PB170173TB

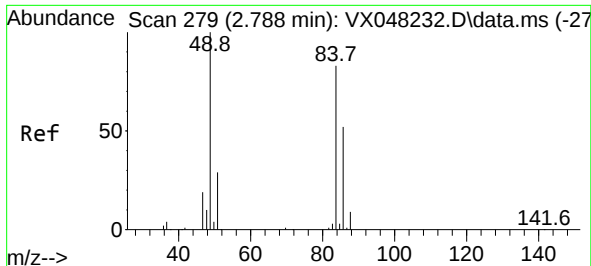
Tgt Ion: 43 Resp: 37657
Ion Ratio Lower Upper
43 100
58 26.1 23.4 35.2



#18
Methyl Acetate
Concen: 4.150 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

Tgt Ion: 43 Resp: 5410
Ion Ratio Lower Upper
43 100
74 13.6 17.5 26.3#

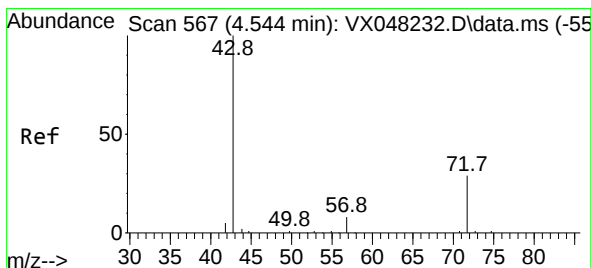
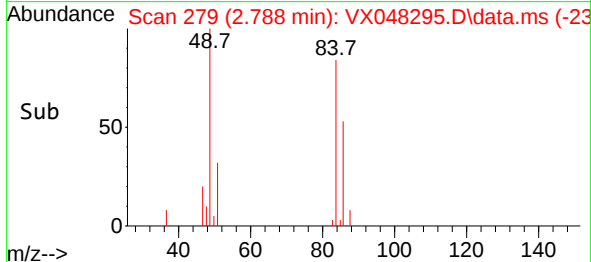
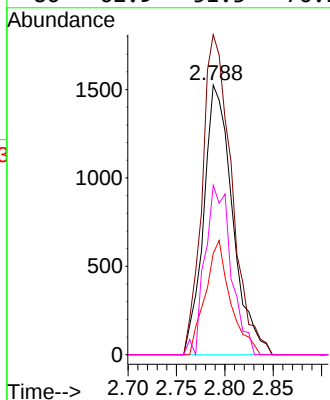
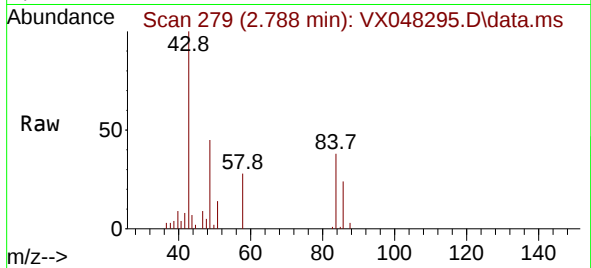




#20
Methylene Chloride
Concen: 2.092 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

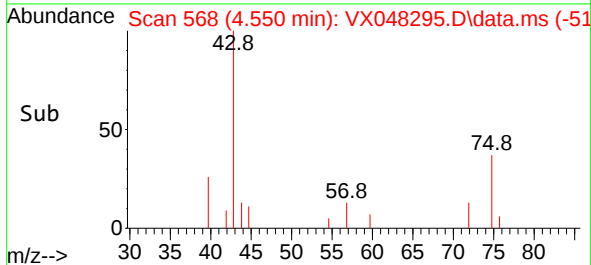
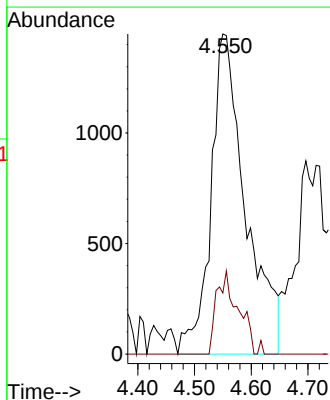
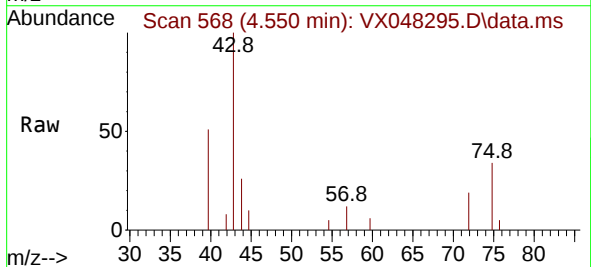
Instrument :
MSVOA_X
ClientSampleId :
PB170173TB

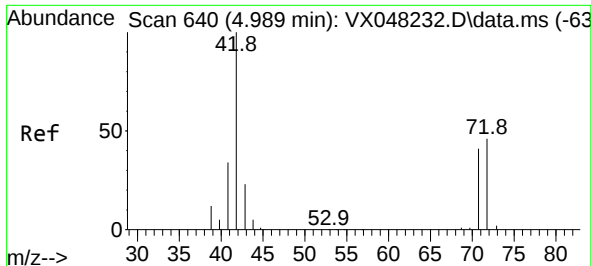
Tgt Ion:	84	Resp:	3182
Ion	Ratio	Lower	Upper
84	100		
49	118.7	104.1	156.1
51	37.6	31.3	46.9
86	62.9	51.3	76.9



#25
2-Butanone
Concen: 7.792 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

Tgt Ion:	43	Resp:	6157
Ion	Ratio	Lower	Upper
43	100		
72	21.4	19.9	29.9





#29

Tetrahydrofuran

Concen: 0.951 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX048295.D

Acq: 22 Oct 2025 14:06

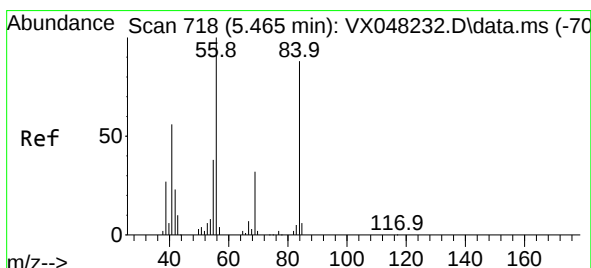
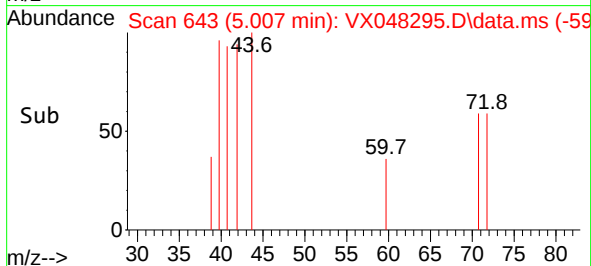
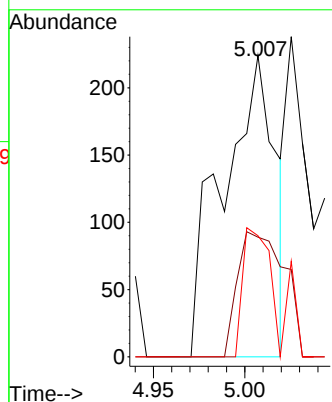
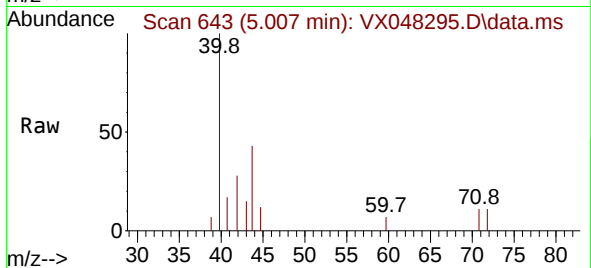
Instrument :

MSVOA_X

ClientSampleId :

PB170173TB

Tgt Ion: 42	Resp: 450
Ion Ratio	Lower Upper
42	100
72	36.7 35.3 52.9
71	27.3 32.2 48.4#



#31

Cyclohexane

Concen: 1.116 ug/l

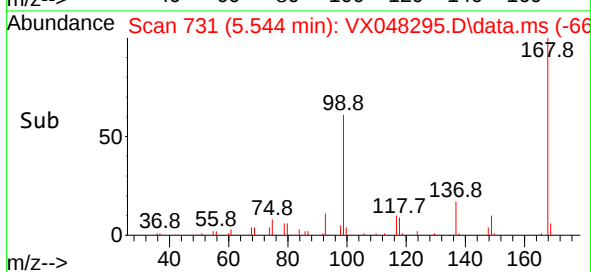
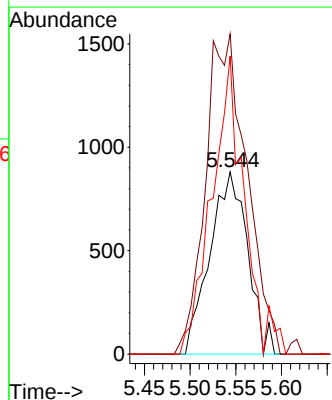
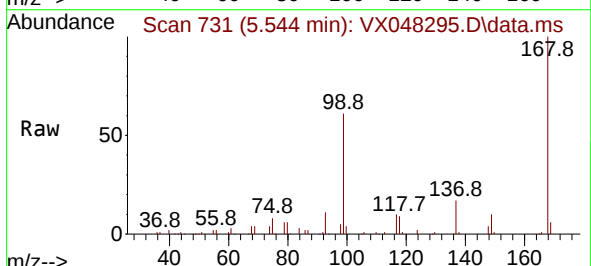
RT: 5.544 min Scan# 731

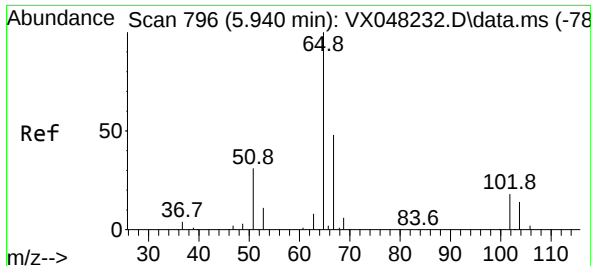
Delta R.T. 0.085 min

Lab File: VX048295.D

Acq: 22 Oct 2025 14:06

Tgt Ion: 56	Resp: 2521
Ion Ratio	Lower Upper
56	100
69	175.7 23.0 34.6#
84	163.6 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 53.163 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048295.D

Acq: 22 Oct 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

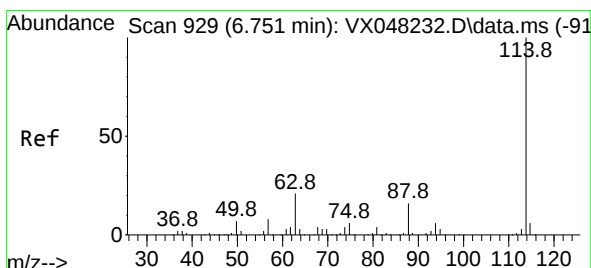
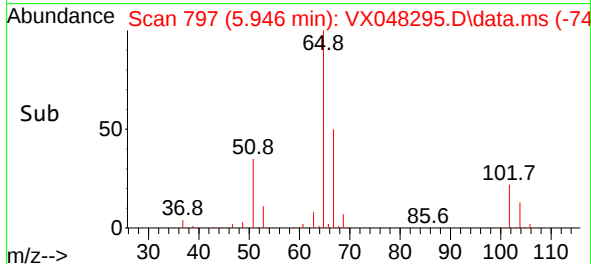
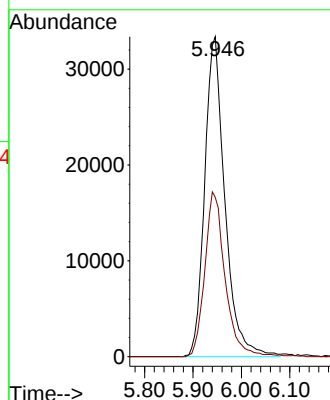
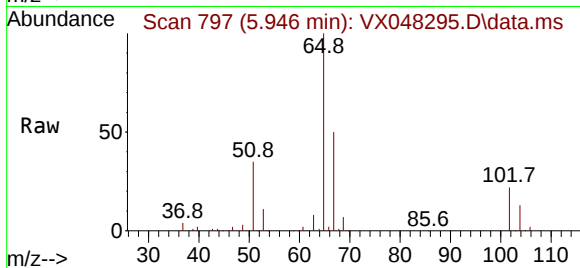
PB170173TB

Tgt Ion: 65 Resp: 96738

Ion Ratio Lower Upper

65 100

67 51.8 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048295.D

Acq: 22 Oct 2025 14:06

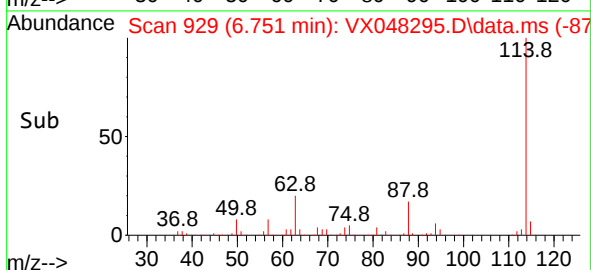
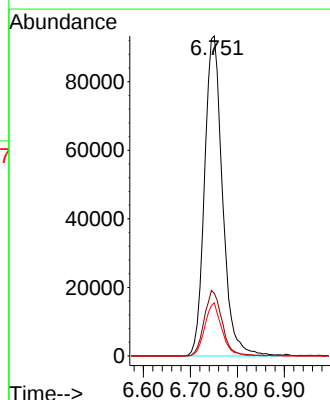
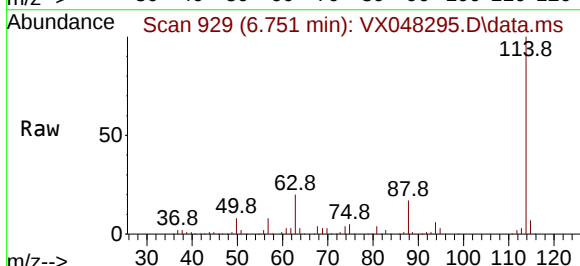
Tgt Ion: 114 Resp: 247687

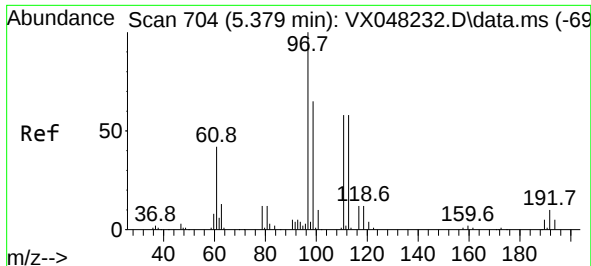
Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 16.6 0.0 33.6

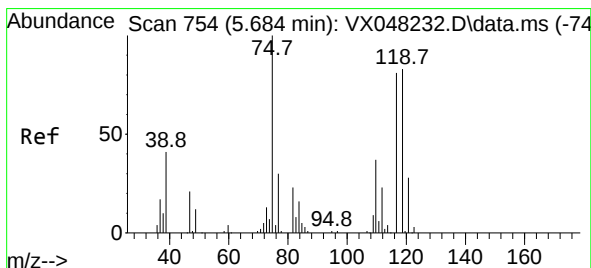
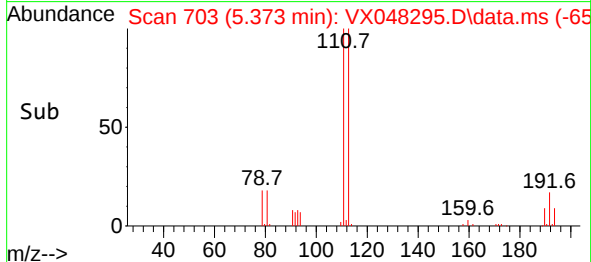
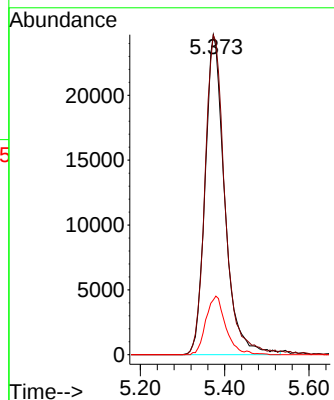
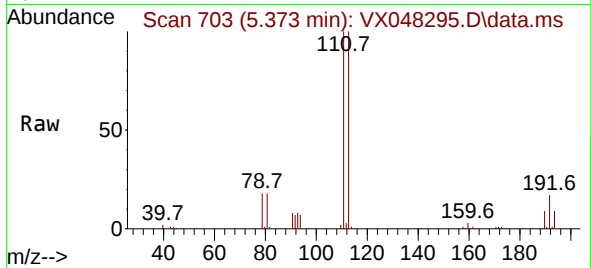




#35
Dibromofluoromethane
Concen: 47.110 ug/l
RT: 5.373 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

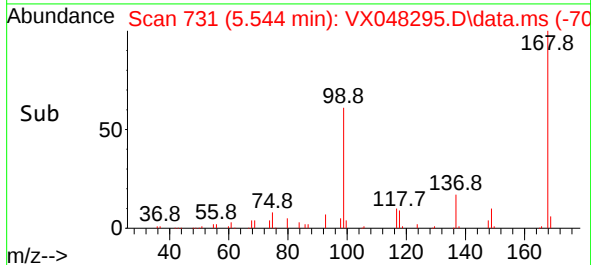
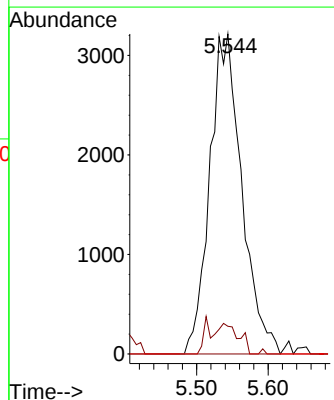
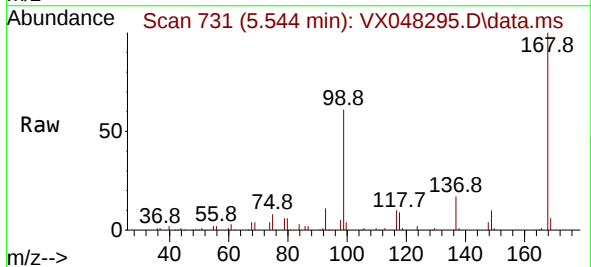
Instrument :
MSVOA_X
ClientSampleId :
PB170173TB

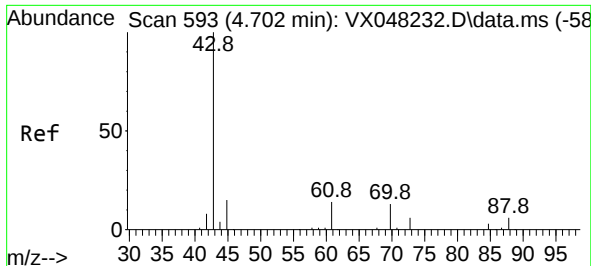
Tgt Ion:113 Resp: 79661
Ion Ratio Lower Upper
113 100
111 101.1 82.2 123.4
192 18.6 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.161 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

Tgt Ion: 75 Resp: 10001
Ion Ratio Lower Upper
75 100
110 6.0 17.7 53.1#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 0.470 ug/l

RT: 4.696 min Scan# 593

Delta R.T. -0.000 min

Lab File: VX048295.D

Acq: 22 Oct 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

PB170173TB

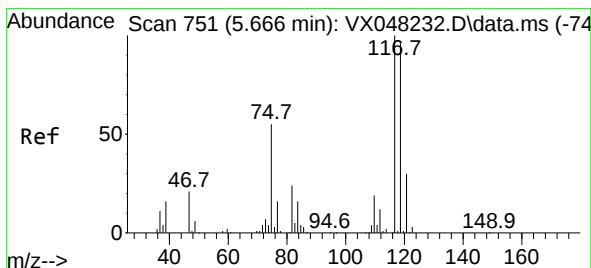
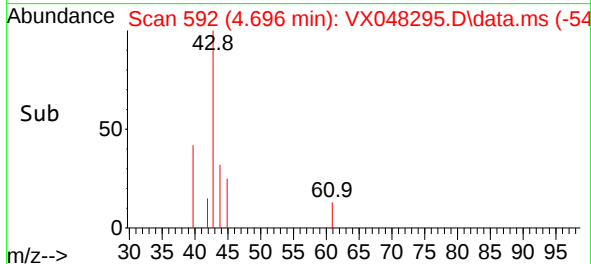
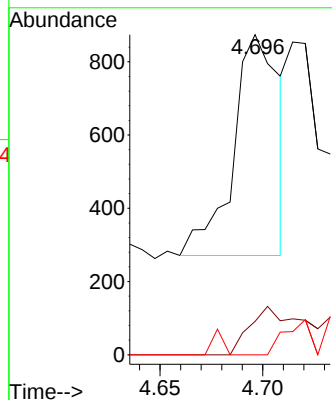
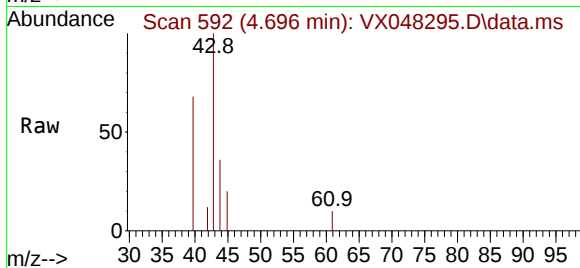
Tgt Ion: 43 Resp: 937

Ion Ratio Lower Upper

43 100

61 31.5 10.6 15.8#

70 0.0 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 4.451 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.128 min

Lab File: VX048295.D

Acq: 22 Oct 2025 14:06

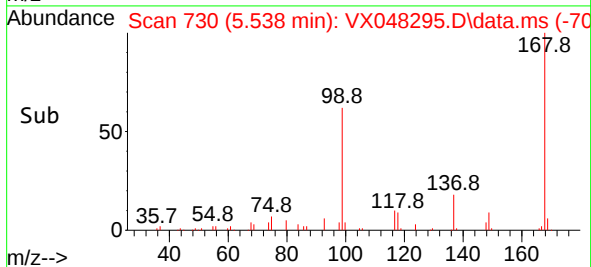
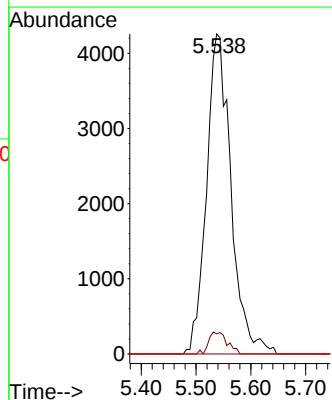
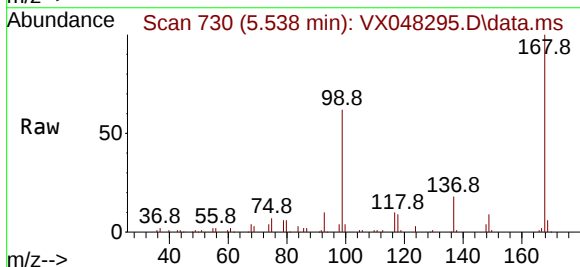
Tgt Ion: 117 Resp: 13197

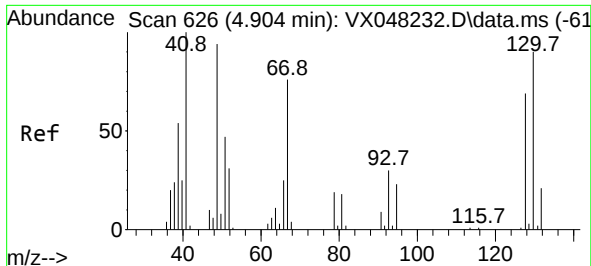
Ion Ratio Lower Upper

117 100

119 6.3 77.2 115.8#

121 0.0 24.8 37.2#

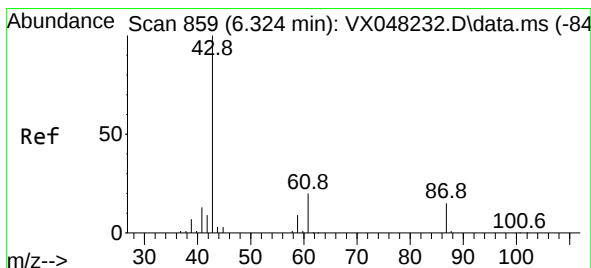
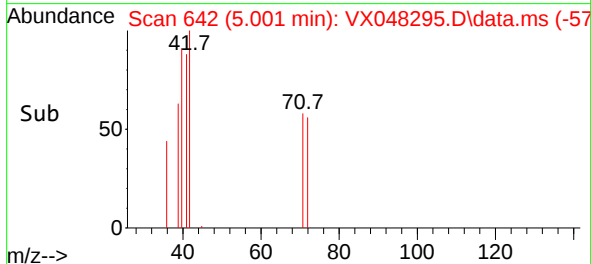
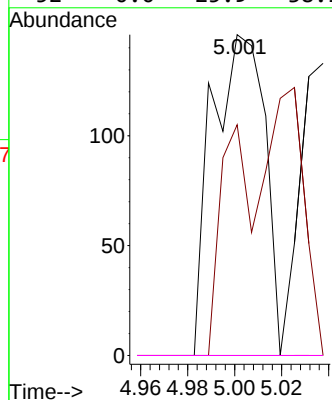
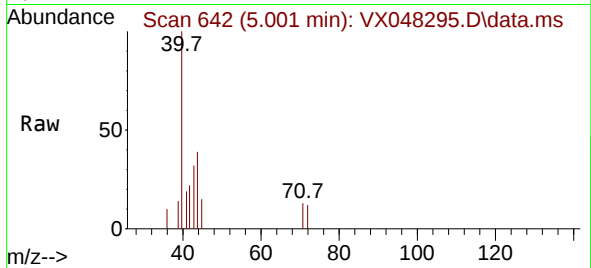




#41
Methacrylonitrile
Concen: 0.217 ug/l
RT: 5.001 min Scan# 641
Delta R.T. 0.097 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

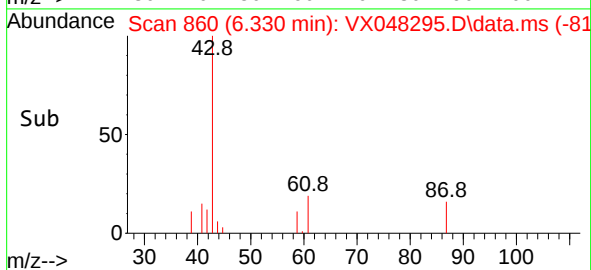
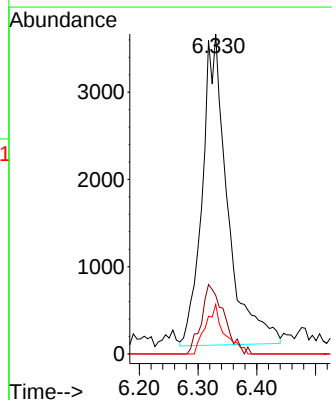
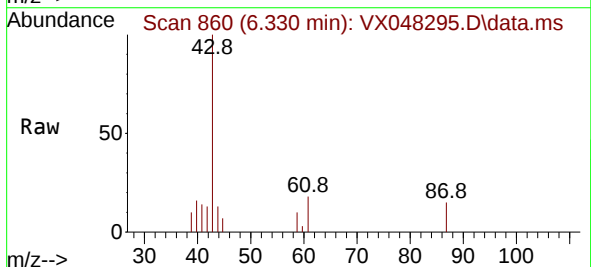
Instrument :
MSVOA_X
ClientSampleId :
PB170173TB

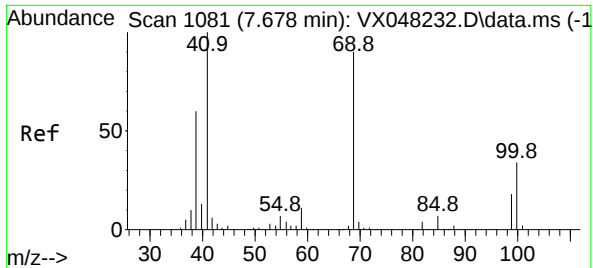
Tgt Ion: 41 Resp: 227
Ion Ratio Lower Upper
41 100
39 40.5 44.0 66.0#
67 0.0 58.7 88.1#
52 0.0 25.9 38.9#



#43
Isopropyl Acetate
Concen: 3.274 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

Tgt Ion: 43 Resp: 10713
Ion Ratio Lower Upper
43 100
61 19.9 14.9 22.3
87 11.8 9.4 14.2

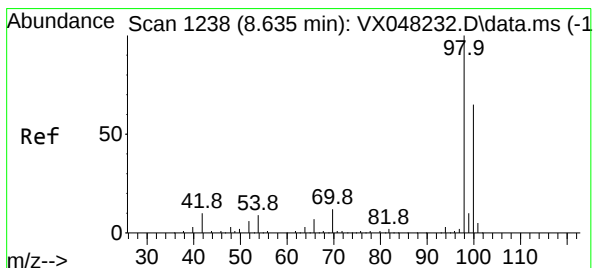
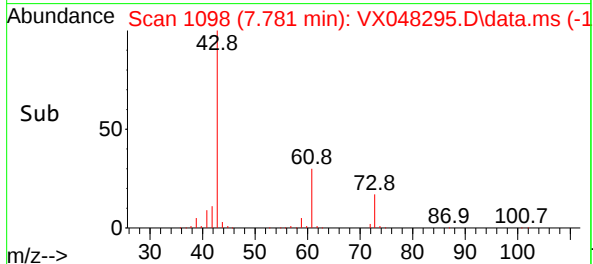
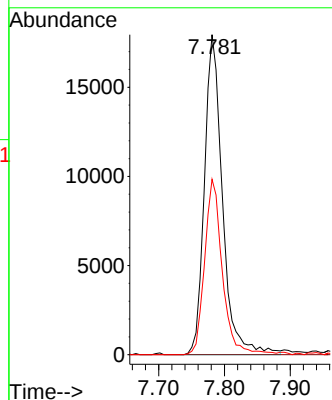
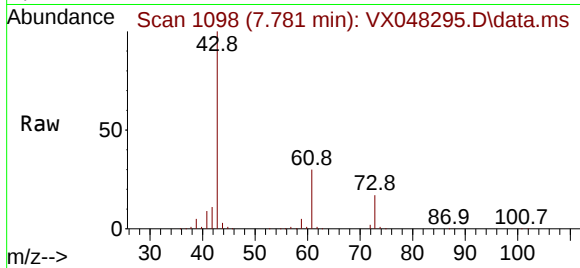




#48
Methyl methacrylate
Concen: 20.771 ug/l
RT: 7.781 min Scan# 1081
Delta R.T. 0.104 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

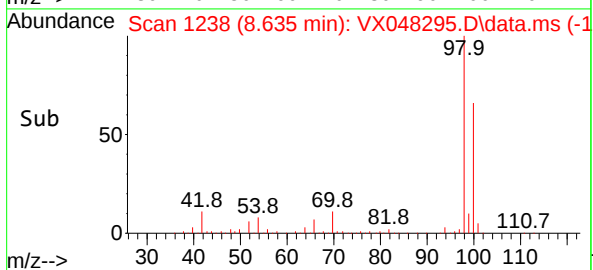
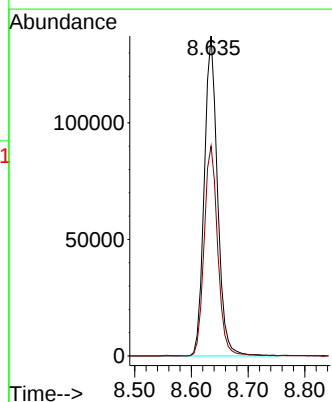
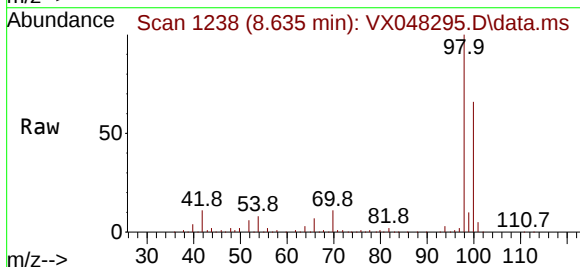
Instrument :
MSVOA_X
ClientSampleId :
PB170173TB

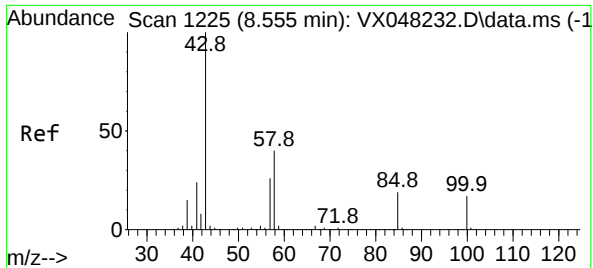
Tgt Ion: 41 Resp: 34297
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.0#
39 53.8 47.1 70.7



#50
Toluene-d8
Concen: 37.672 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

Tgt Ion: 98 Resp: 223282
Ion Ratio Lower Upper
98 100
100 67.0 53.0 79.4

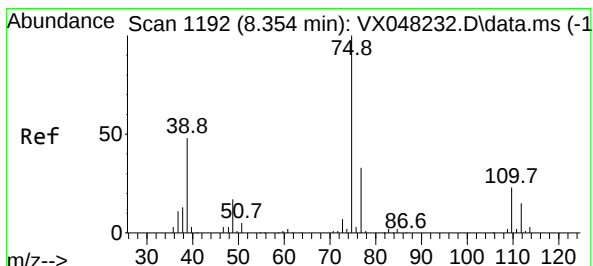
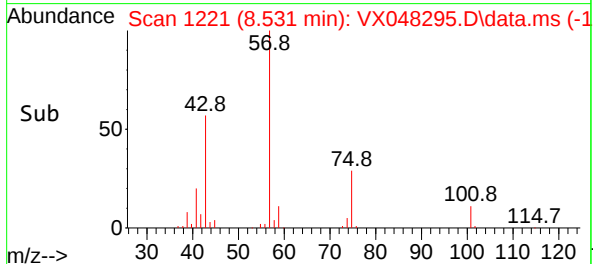
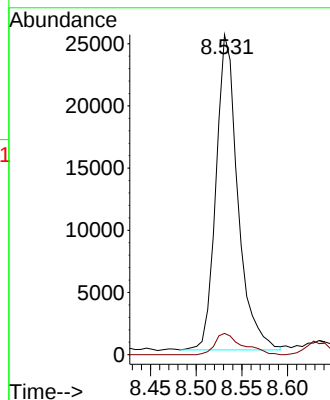
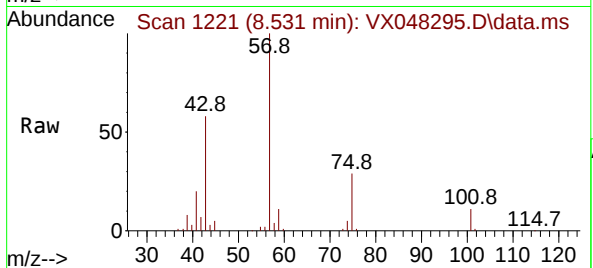




#51
4-Methyl-2-Pentanone
Concen: 22.293 ug/l
RT: 8.531 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

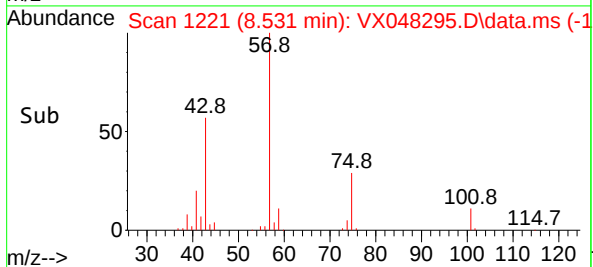
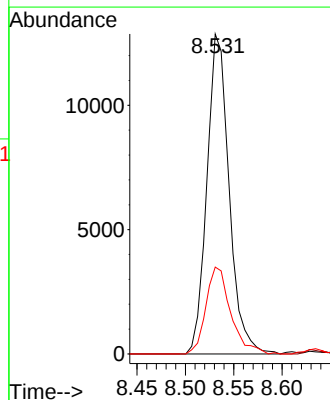
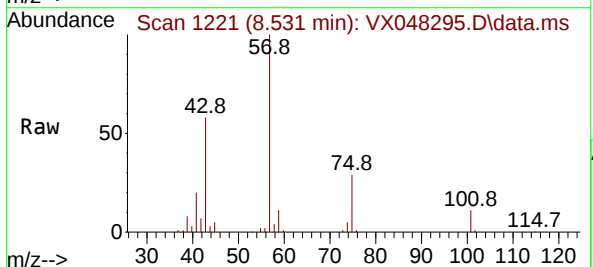
Instrument :
MSVOA_X
ClientSampleId :
PB170173TB

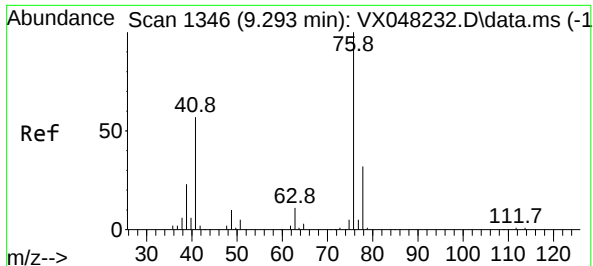
Tgt Ion: 43 Resp: 42060
Ion Ratio Lower Upper
43 100
58 8.5 29.5 44.3#



#54
cis-1,3-Dichloropropene
Concen: 7.097 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. 0.183 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

Tgt Ion: 75 Resp: 20591
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 23.9 42.6 64.0#

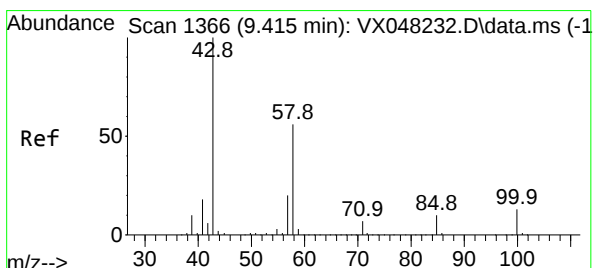
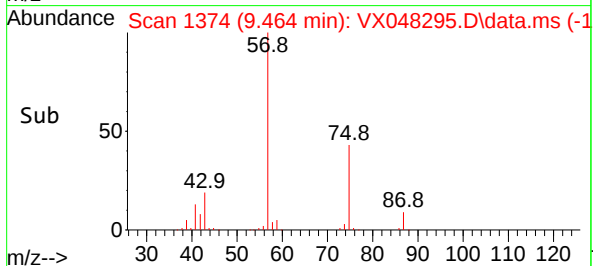
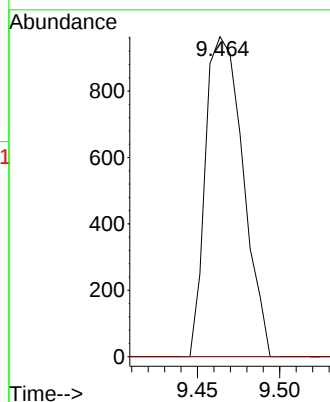
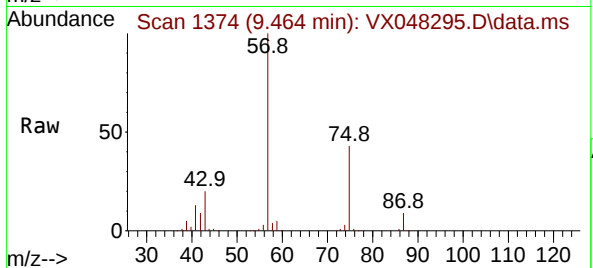




#57
1,3-Dichloropropane
Concen: 0.543 ug/l
RT: 9.464 min Scan# 1374
Delta R.T. 0.171 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

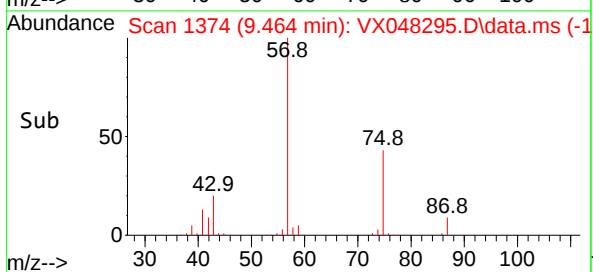
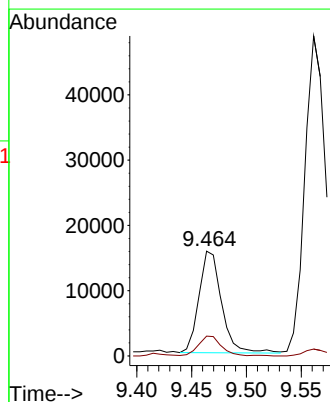
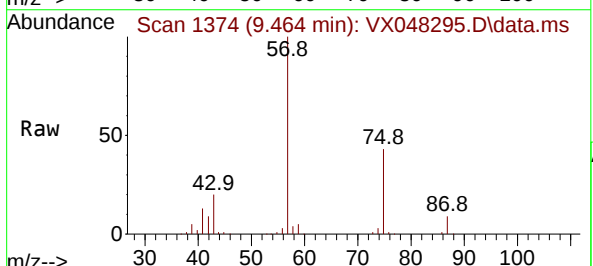
Instrument :
MSVOA_X
ClientSampleId :
PB170173TB

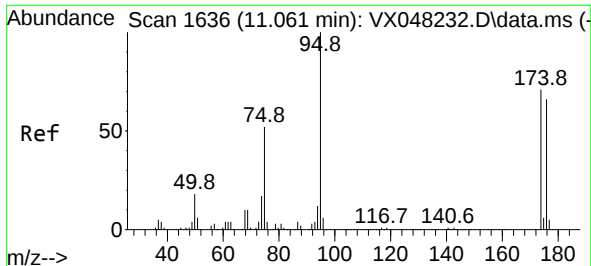
Tgt Ion: 76 Resp: 1530
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.0#



#59
2-Hexanone
Concen: 17.017 ug/l
RT: 9.464 min Scan# 1374
Delta R.T. 0.049 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

Tgt Ion: 43 Resp: 22387
Ion Ratio Lower Upper
43 100
58 20.3 26.3 78.8#

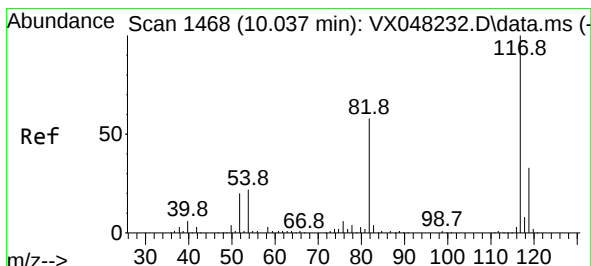
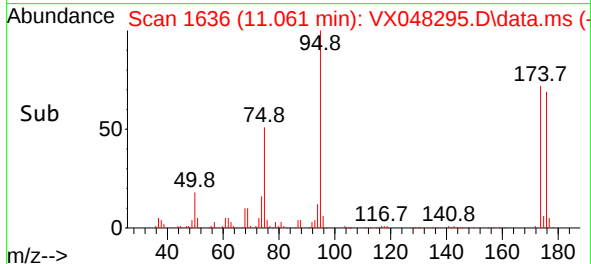
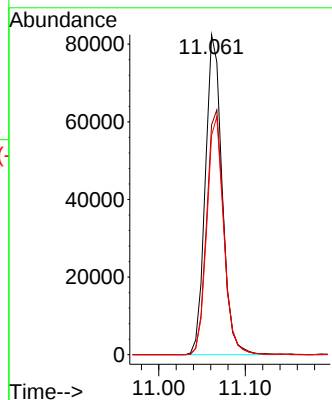
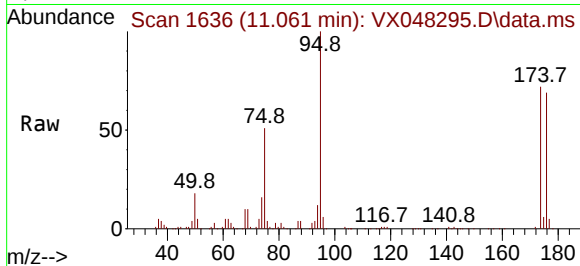




#62
4-Bromofluorobenzene
Concen: 49.261 ug/l
RT: 11.061 min Scan# 111073
Delta R.T. -0.000 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

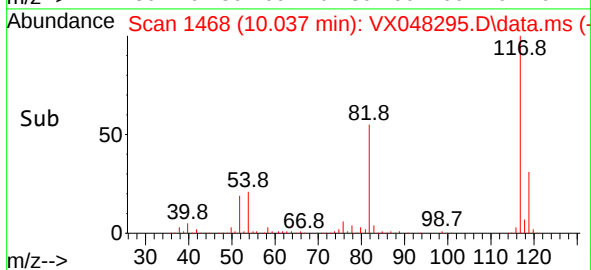
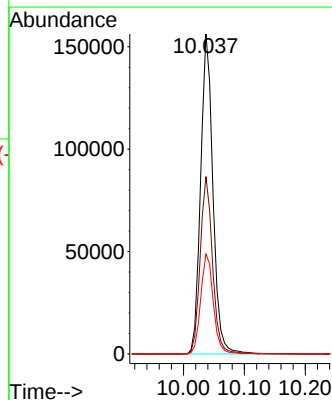
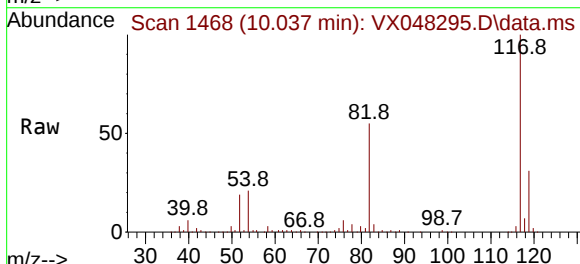
Instrument :
MSVOA_X
ClientSampleId :
PB170173TB

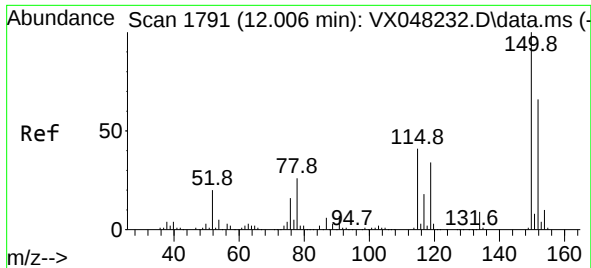
Tgt Ion: 95 Resp: 111073
Ion Ratio Lower Upper
95 100
174 78.1 0.0 147.8
176 74.8 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048295.D
Acq: 22 Oct 2025 14:06

Tgt Ion: 117 Resp: 219768
Ion Ratio Lower Upper
117 100
82 55.4 46.5 69.7
119 31.3 25.9 38.9

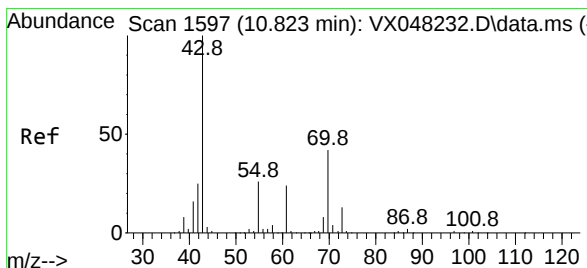
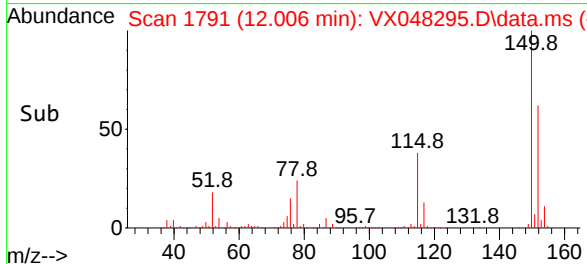
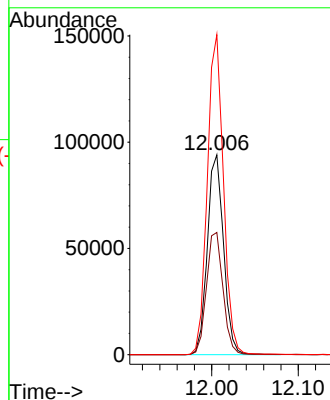
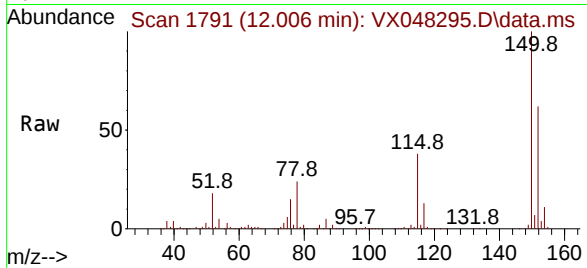




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048295.D
 Acq: 22 Oct 2025 14:06

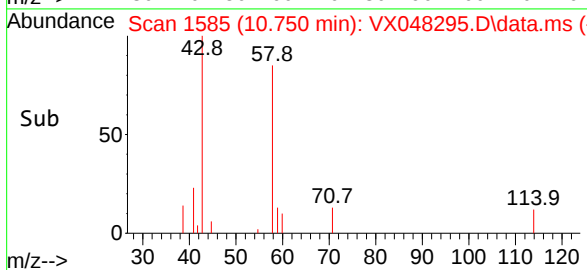
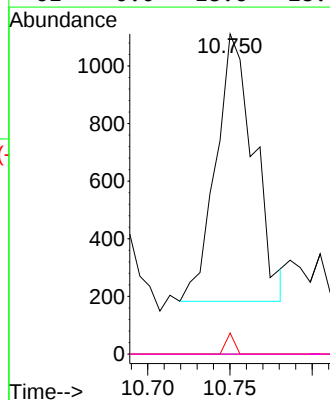
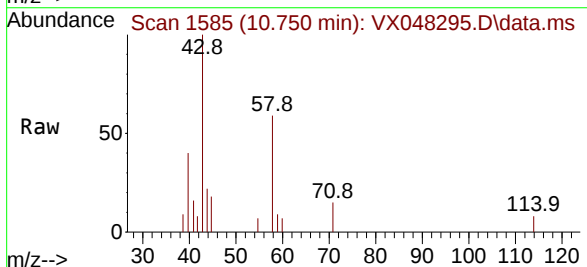
Instrument :
 MSVOA_X
 ClientSampleId :
 PB170173TB

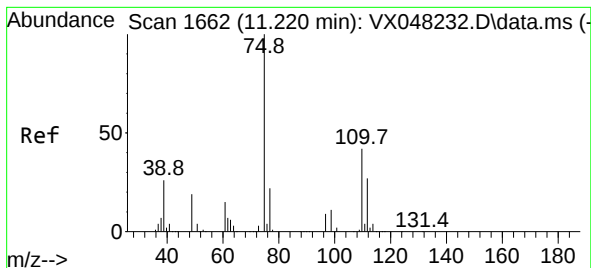
Tgt Ion:152 Resp: 122336
 Ion Ratio Lower Upper
 152 100
 115 62.5 43.1 129.4
 150 159.4 0.0 353.0



#74
 N-ethyl acetate
 Concen: 0.473 ug/l
 RT: 10.750 min Scan# 1585
 Delta R.T. -0.073 min
 Lab File: VX048295.D
 Acq: 22 Oct 2025 14:06

Tgt Ion: 43 Resp: 1499
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.2 48.2#
 55 1.8 19.1 28.7#
 61 0.0 18.6 28.0#





#76

1,2,3-Trichloropropane

Concen: 28.176 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048295.D

Acq: 22 Oct 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

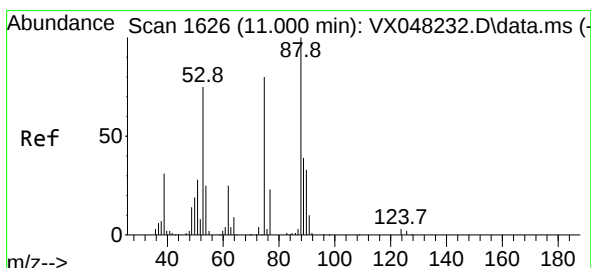
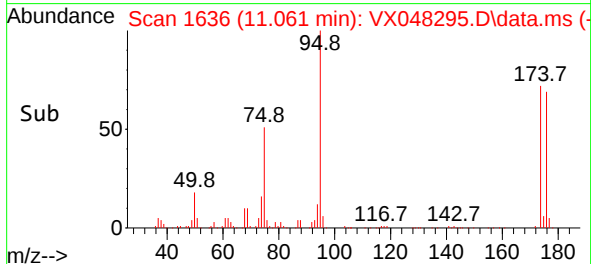
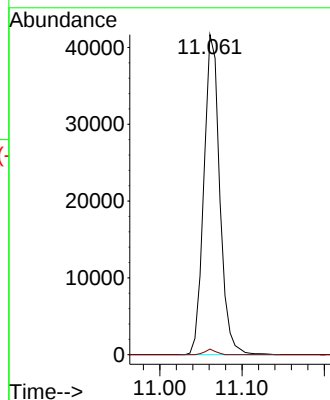
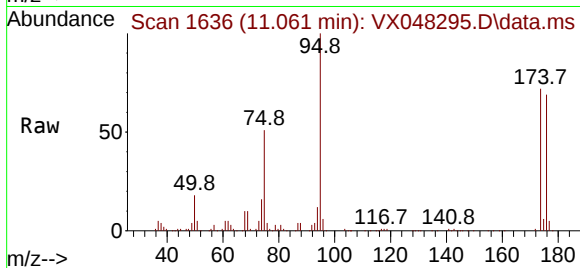
PB170173TB

Tgt Ion: 75 Resp: 55898

Ion Ratio Lower Upper

75 100

77 1.2 22.4 67.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.550 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048295.D

Acq: 22 Oct 2025 14:06

Tgt Ion: 75 Resp: 55898

Ion Ratio Lower Upper

75 100

53 0.0 79.5 119.3#

89 0.0 36.8 55.2#

