

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112025\
 Data File : VX048633.D
 Acq On : 20 Nov 2025 13:27
 Operator : JC/MD
 Sample : PB170601TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB170601TB

Quant Time: Nov 21 00:32:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

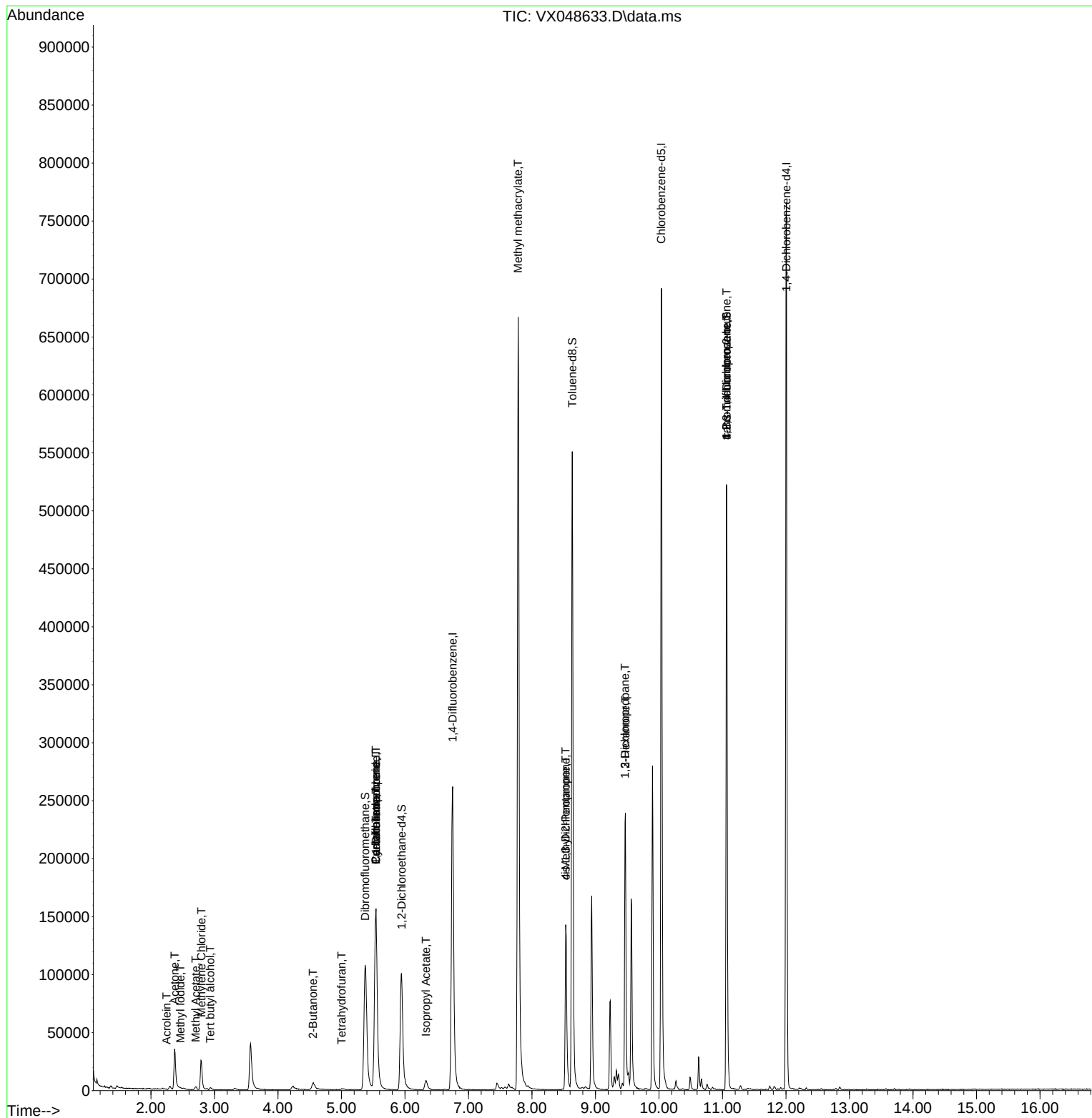
Internal Standards						
1) Pentafluorobenzene	5.544	168	163507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	287264	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	315624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	167533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112624	49.432	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.860%
35) Dibromofluoromethane	5.373	113	109777	50.491	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.980%
50) Toluene-d8	8.635	98	346953	51.166	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.340%
62) 4-Bromofluorobenzene	11.061	95	146318	57.901	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.800%
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	693	0.257	ug/l #	95
11) Tert butyl alcohol	2.934	59	2086	4.832	ug/l #	78
13) Acrolein	2.246	56	99	1.585	ug/l #	15
16) Acetone	2.374	43	46862	43.453	ug/l	99
18) Methyl Acetate	2.703	43	3553	1.199	ug/l	96
20) Methylene Chloride	2.794	84	13471	6.076	ug/l	91
25) 2-Butanone	4.550	43	12655	7.932	ug/l	90
29) Tetrahydrofuran	5.001	42	281	0.247	ug/l	92
31) Cyclohexane	5.544	56	3424	1.119	ug/l #	39
36) 1,1-Dichloropropene	5.544	75	12676	4.354	ug/l #	49
38) Carbon Tetrachloride	5.544	117	16840	5.081	ug/l #	16
43) Isopropyl Acetate	6.330	43	14026	2.435	ug/l	97
48) Methyl methacrylate	7.781	41	65215	25.466	ug/l #	42
51) 4-Methyl-2-Pentanone	8.531	43	56782	17.316	ug/l #	49
54) cis-1,3-Dichloropropene	8.531	75	25088	7.788	ug/l #	67
57) 1,3-Dichloropropane	9.464	76	2279	0.690	ug/l #	42
59) 2-Hexanone	9.470	43	28537	11.699	ug/l #	53
76) 1,2,3-Trichloropropane	11.061	75	77657	19.240	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	77657	55.034	ug/l #	12

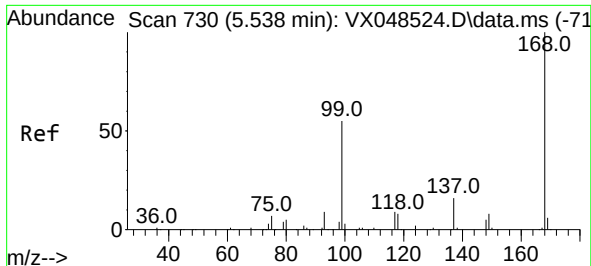
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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PB170601TB

Quant Time: Nov 21 00:32:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

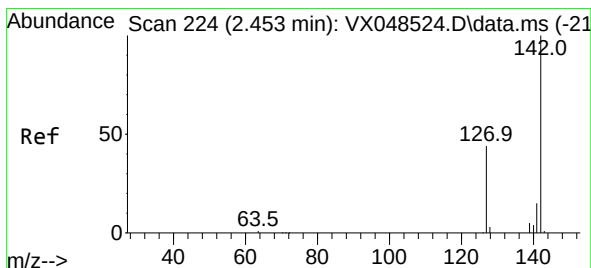
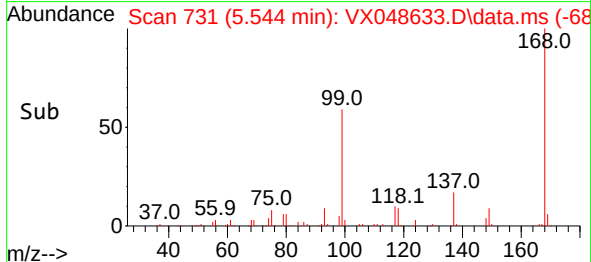
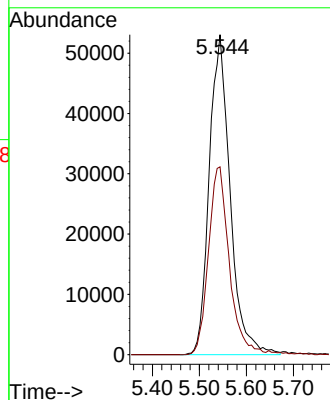
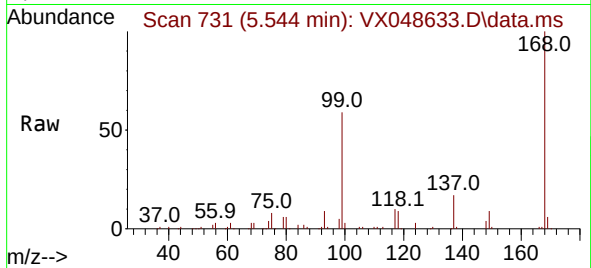




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27

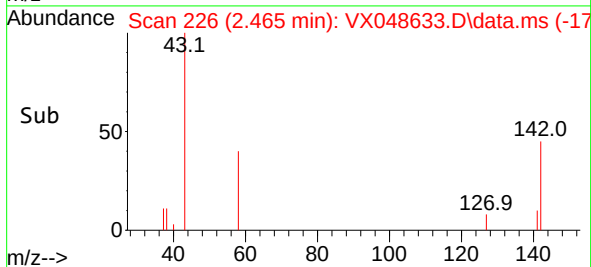
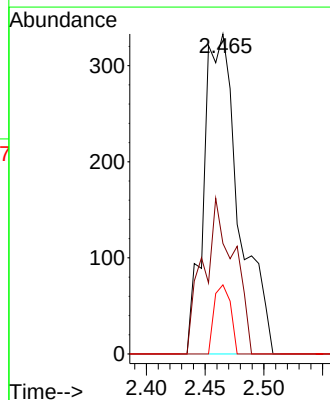
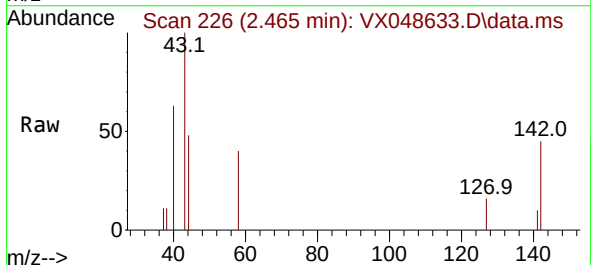
Instrument :
MSVOA_X
ClientSampleId :
PB170601TB

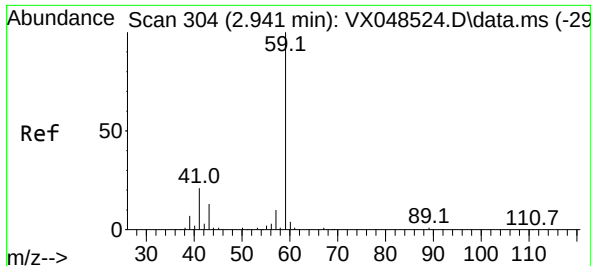
Tgt Ion:168 Resp: 163507
Ion Ratio Lower Upper
168 100
99 58.7 45.2 67.8



#10
Methyl Iodide
Concen: 0.257 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27

Tgt Ion:142 Resp: 693
Ion Ratio Lower Upper
142 100
127 42.3 35.8 53.6
141 10.0 11.4 17.0#

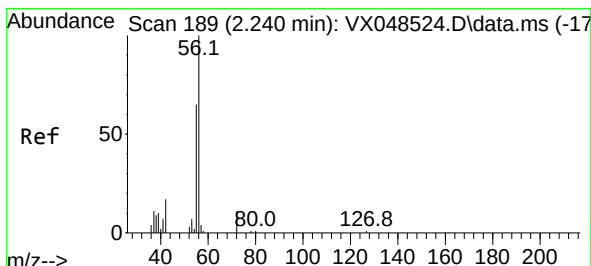
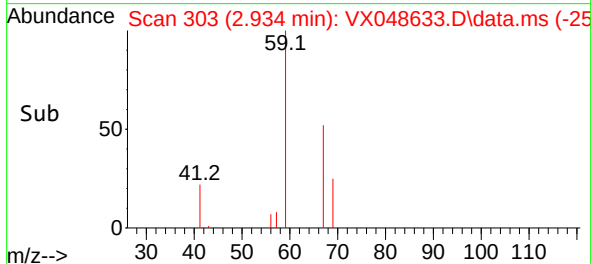
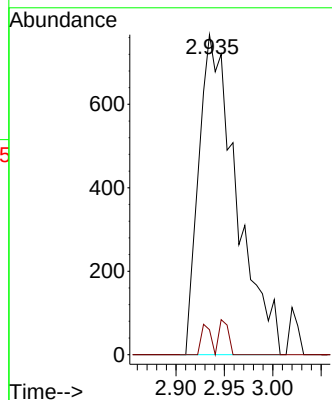
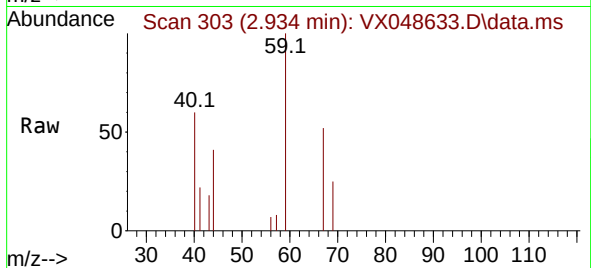




#11
Tert butyl alcohol
Concen: 4.832 ug/l
RT: 2.934 min Scan# 304
Delta R.T. -0.006 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27

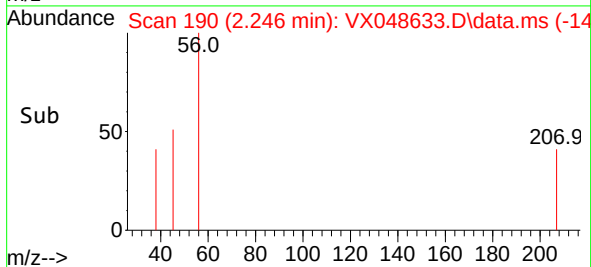
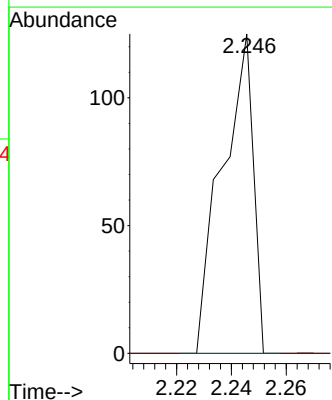
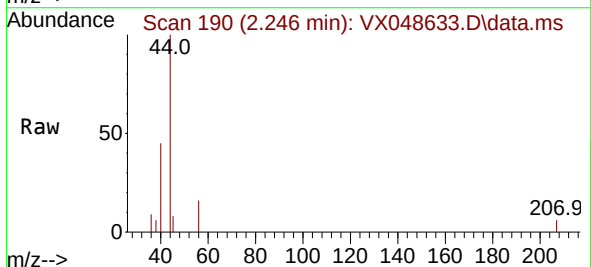
Instrument :
MSVOA_X
ClientSampleId :
PB170601TB

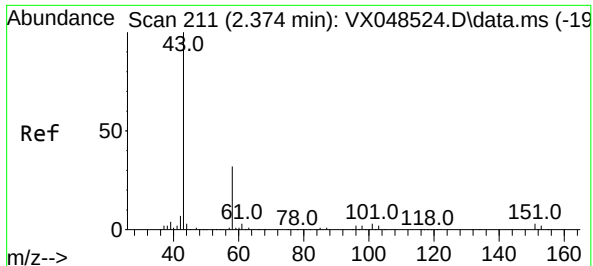
Tgt Ion: 59 Resp: 2086
Ion Ratio Lower Upper
59 100
57 2.3 8.6 13.0#



#13
Acrolein
Concen: 1.585 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27

Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#

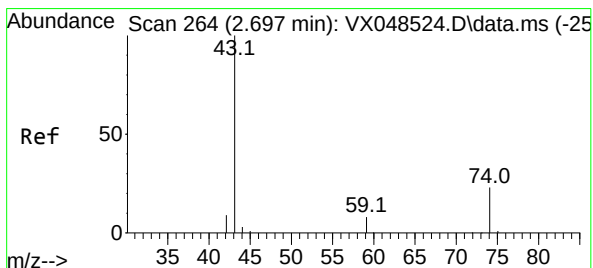
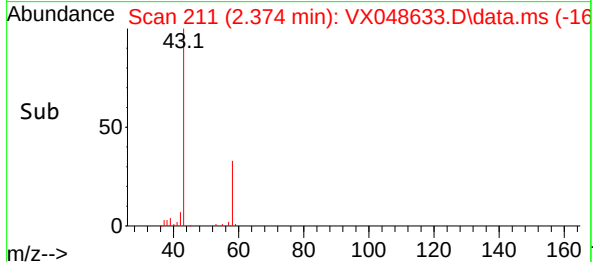
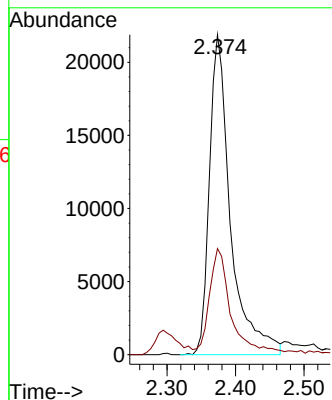
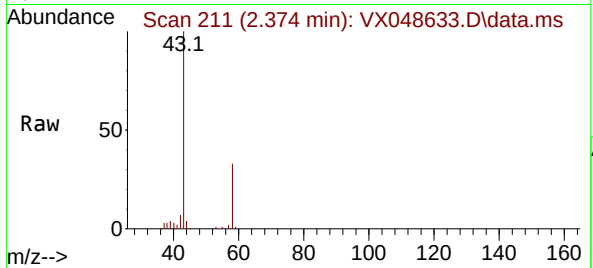




#16
Acetone
Concen: 43.453 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27

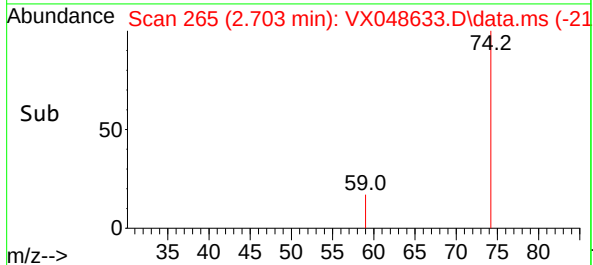
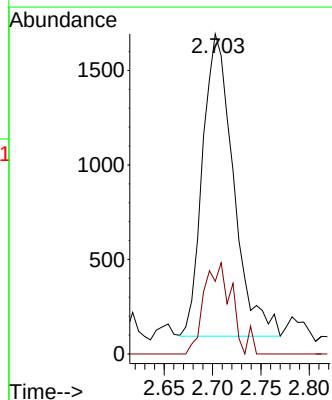
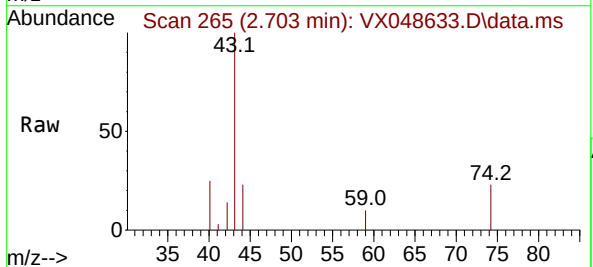
Instrument :
MSVOA_X
ClientSampleId :
PB170601TB

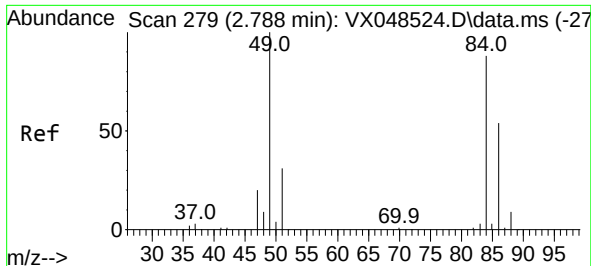
Tgt Ion: 43 Resp: 46862
Ion Ratio Lower Upper
43 100
58 31.8 25.8 38.6



#18
Methyl Acetate
Concen: 1.199 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27

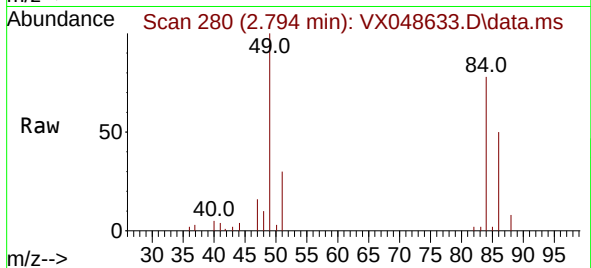
Tgt Ion: 43 Resp: 3553
Ion Ratio Lower Upper
43 100
74 25.7 19.1 28.7



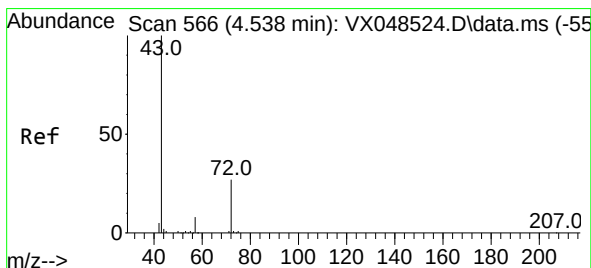
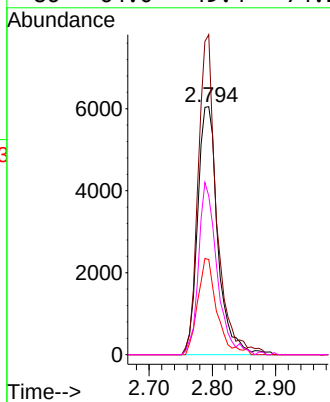
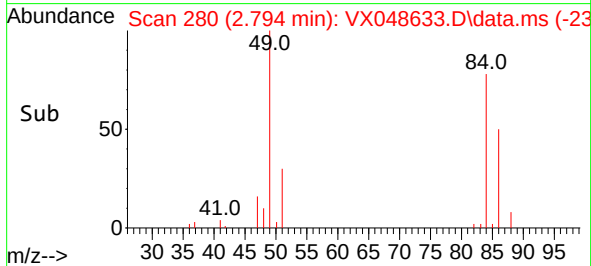


#20
Methylene Chloride
Concen: 6.076 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27

Instrument :
MSVOA_X
ClientSampleId :
PB170601TB

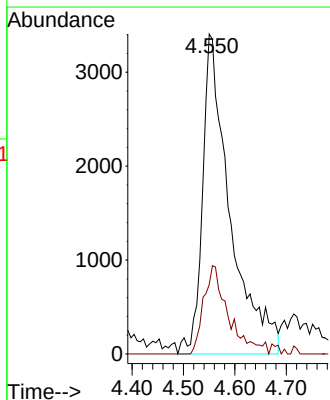
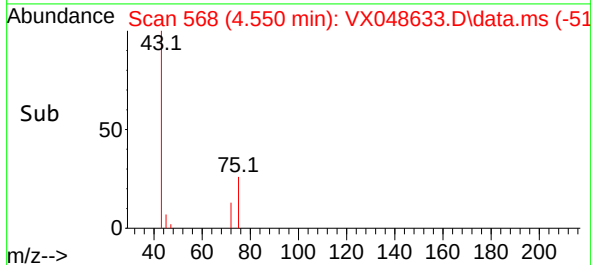
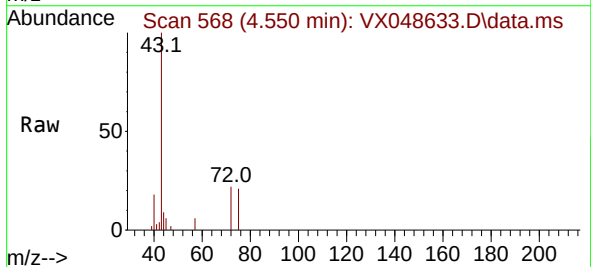


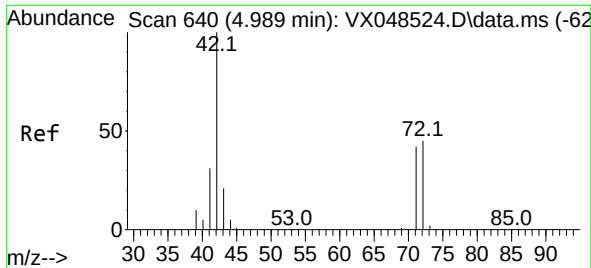
Tgt Ion:	84	Resp:	13471
Ion	Ratio	Lower	Upper
84	100		
49	129.0	91.2	136.8
51	38.4	28.3	42.5
86	64.0	49.4	74.2



#25
2-Butanone
Concen: 7.932 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27

Tgt Ion:	43	Resp:	12655
Ion	Ratio	Lower	Upper
43	100		
72	21.7	21.5	32.3

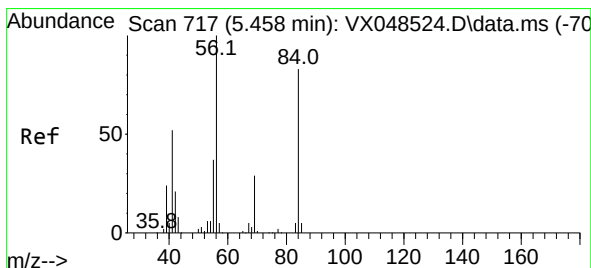
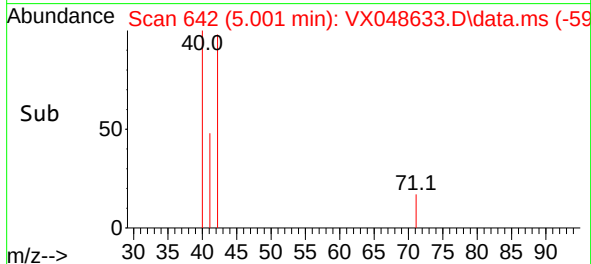
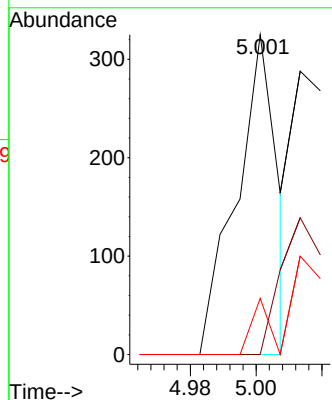
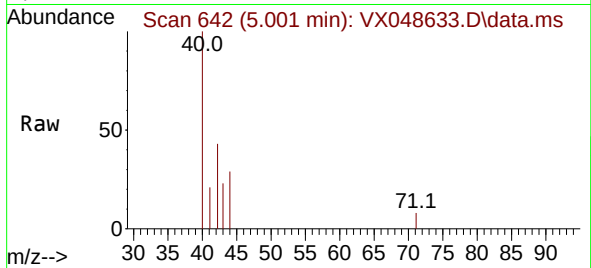




#29
Tetrahydrofuran
Concen: 0.247 ug/l
RT: 5.001 min Scan# 640
Delta R.T. 0.012 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27

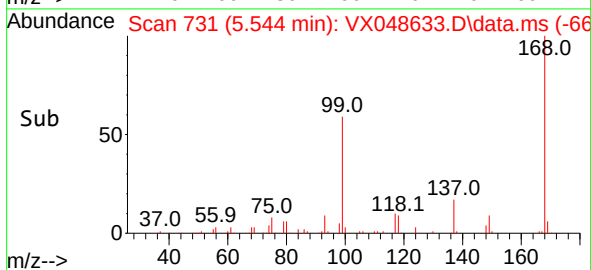
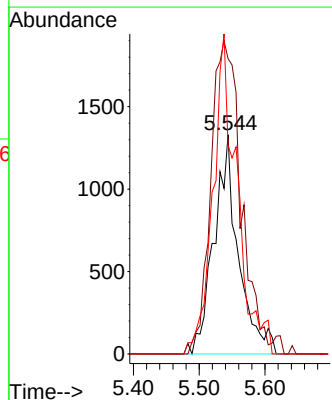
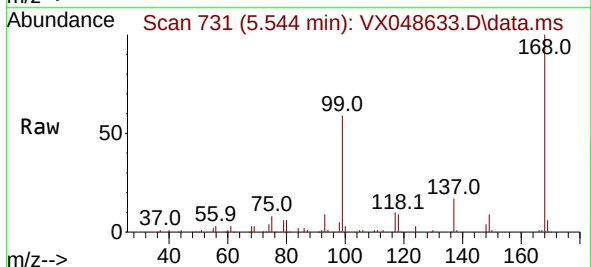
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MSVOA_X
ClientSampleId :
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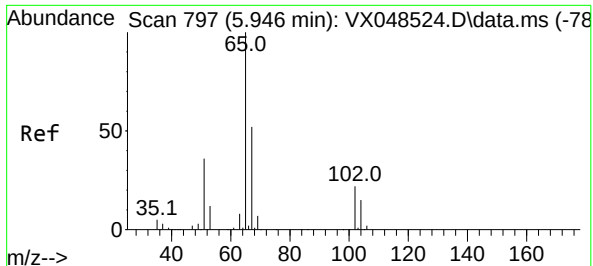
Tgt Ion:	42	Resp:	281
Ion	Ratio	Lower	Upper
42	100		
72	52.0	36.3	54.5
71	46.3	34.1	51.1



#31
Cyclohexane
Concen: 1.119 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27

Tgt Ion:	56	Resp:	3424
Ion	Ratio	Lower	Upper
56	100		
69	134.6	23.4	35.2#
84	95.2	66.3	99.5





#33

1,2-Dichloroethane-d4

Concen: 49.432 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX048633.D

Acq: 20 Nov 2025 13:27

Instrument :

MSVOA_X

ClientSampleId :

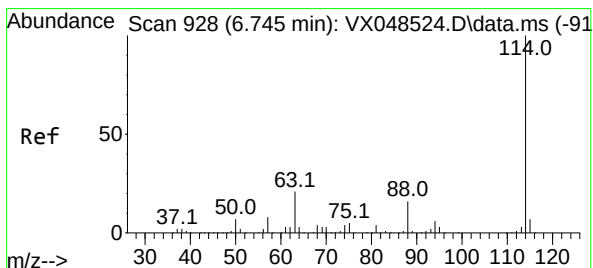
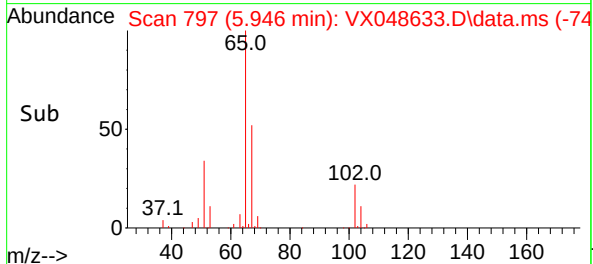
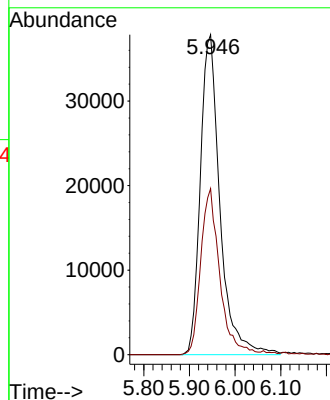
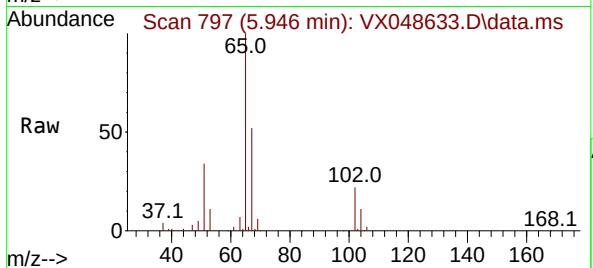
PB170601TB

Tgt Ion: 65 Resp: 112624

Ion Ratio Lower Upper

65 100

67 50.2 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048633.D

Acq: 20 Nov 2025 13:27

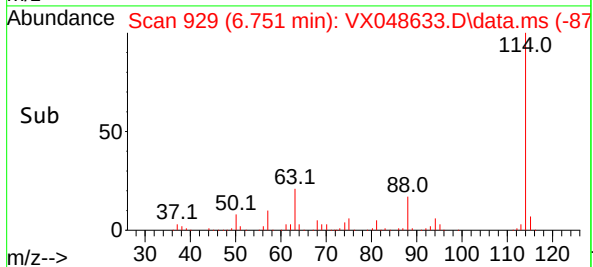
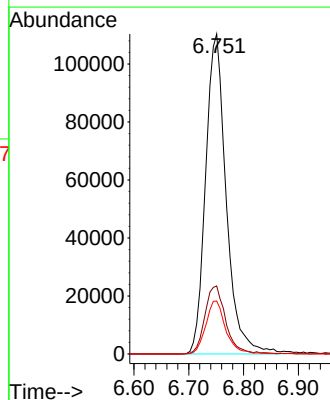
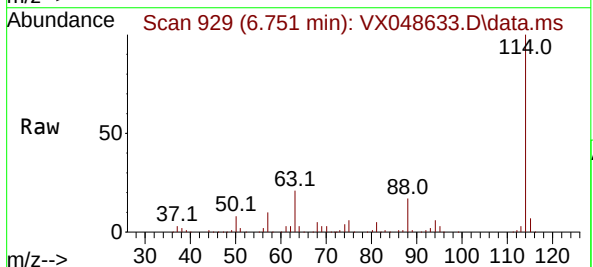
Tgt Ion: 114 Resp: 287264

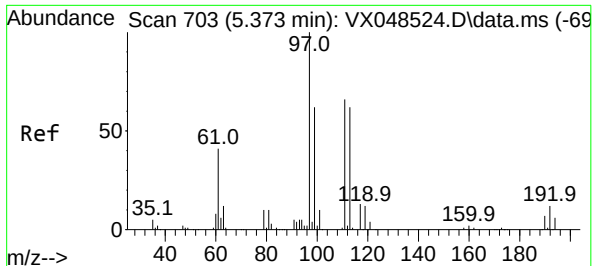
Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.2

88 16.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.491 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048633.D

Acq: 20 Nov 2025 13:27

Instrument :

MSVOA_X

ClientSampleId :

PB170601TB

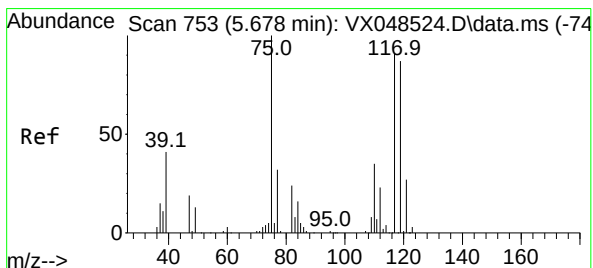
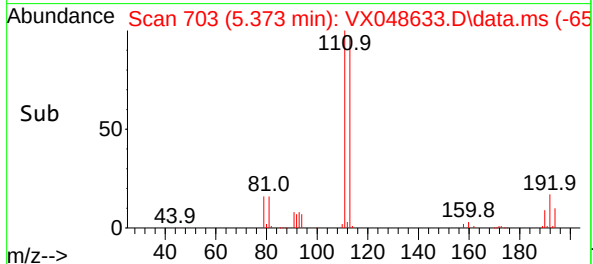
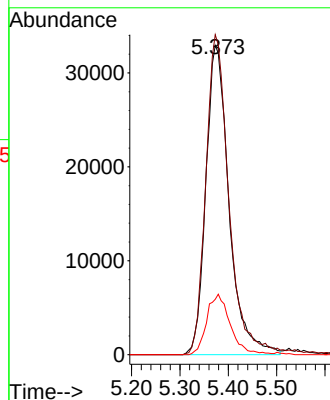
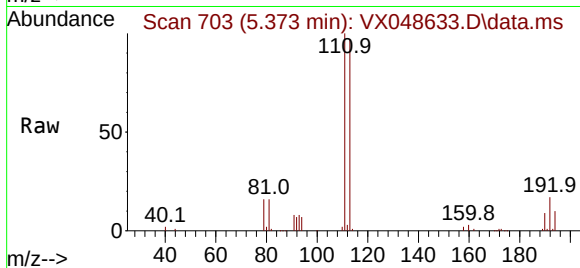
Tgt Ion:113 Resp: 109777

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

192 19.9 15.8 23.6



#36

1,1-Dichloropropene

Concen: 4.354 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX048633.D

Acq: 20 Nov 2025 13:27

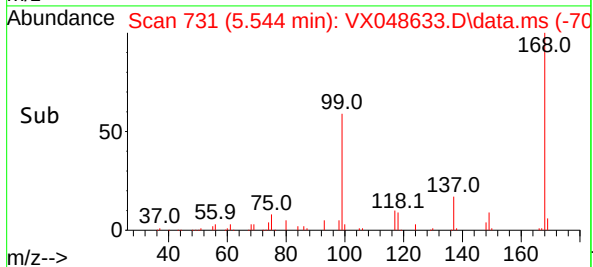
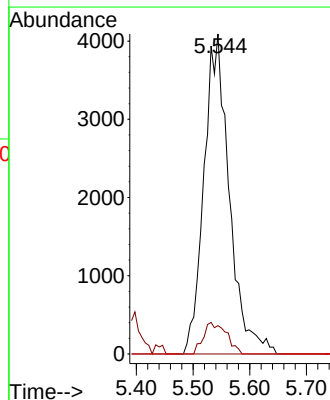
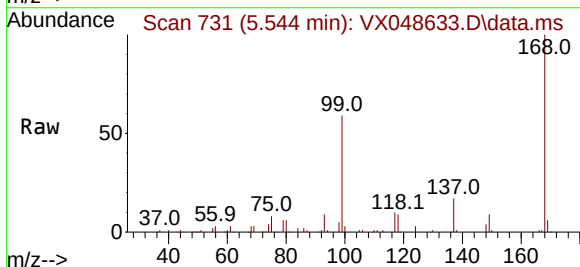
Tgt Ion: 75 Resp: 12676

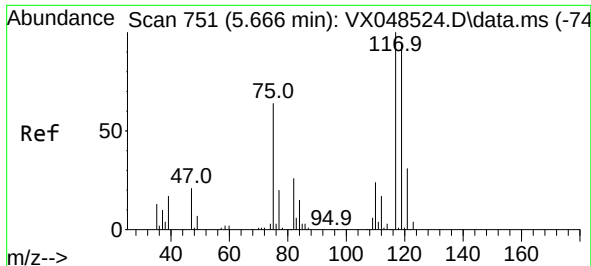
Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.4#

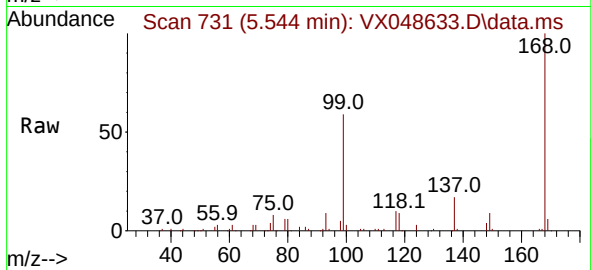
77 0.0 24.6 37.0#



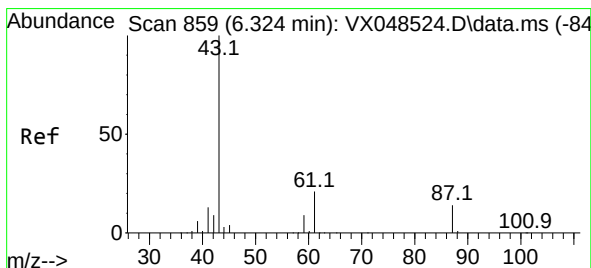
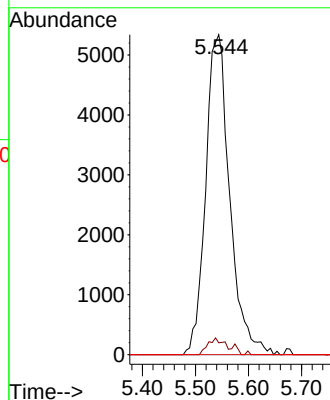
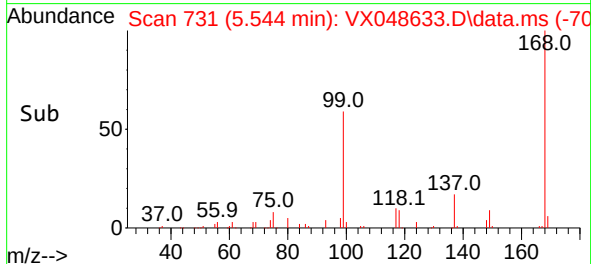


#38
Carbon Tetrachloride
Concen: 5.081 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27

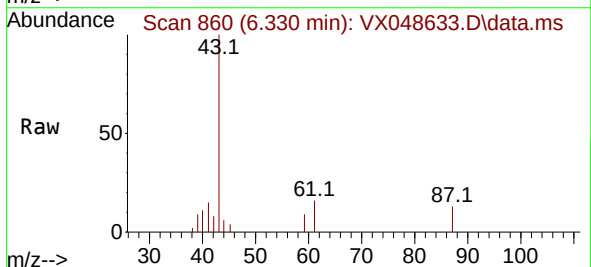
Instrument :
MSVOA_X
ClientSampleId :
PB170601TB



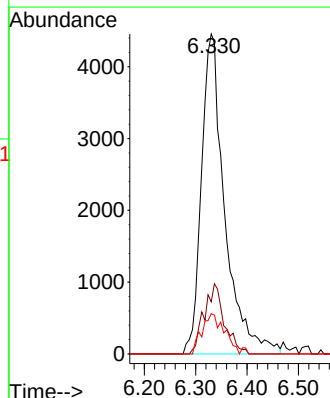
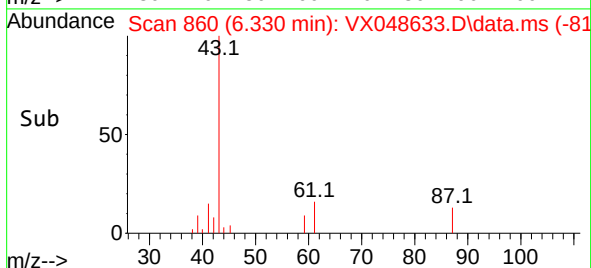
Tgt Ion:117 Resp: 16840
Ion Ratio Lower Upper
117 100
119 3.7 74.5 111.7#
121 0.0 24.8 37.2#

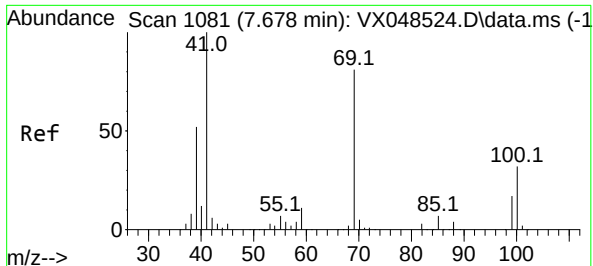


#43
Isopropyl Acetate
Concen: 2.435 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27



Tgt Ion: 43 Resp: 14026
Ion Ratio Lower Upper
43 100
61 19.1 16.2 24.4
87 12.0 10.9 16.3





#48

Methyl methacrylate

Concen: 25.466 ug/l

RT: 7.781 min Scan# 1098

Delta R.T. 0.104 min

Lab File: VX048633.D

Acq: 20 Nov 2025 13:27

Instrument :

MSVOA_X

ClientSampleId :

PB170601TB

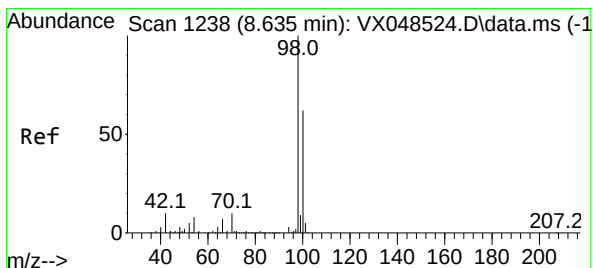
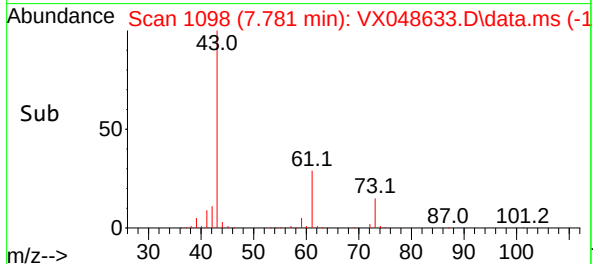
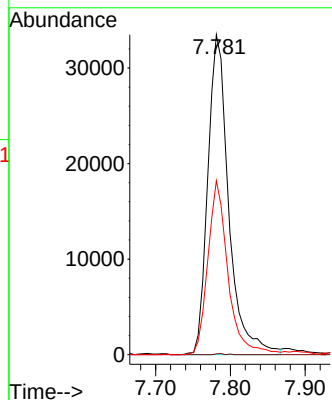
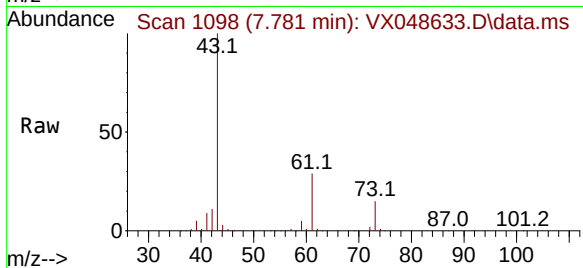
Tgt Ion: 41 Resp: 65215

Ion Ratio Lower Upper

41 100

69 0.1 67.9 101.9#

39 52.4 42.2 63.2



#50

Toluene-d8

Concen: 51.166 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048633.D

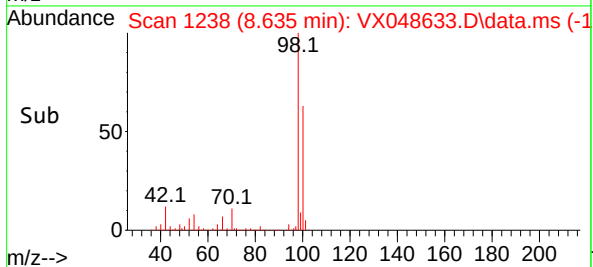
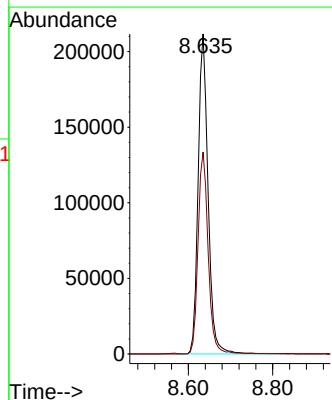
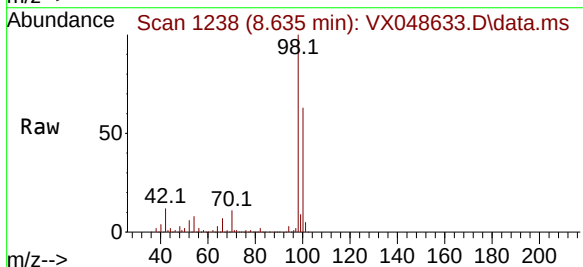
Acq: 20 Nov 2025 13:27

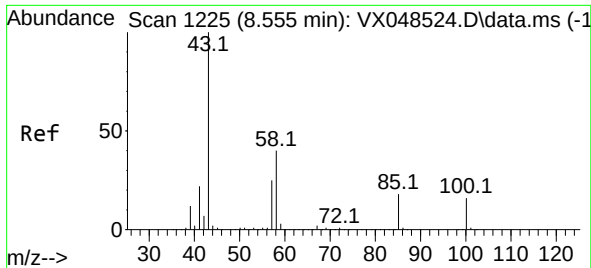
Tgt Ion: 98 Resp: 346953

Ion Ratio Lower Upper

98 100

100 64.4 53.6 80.4

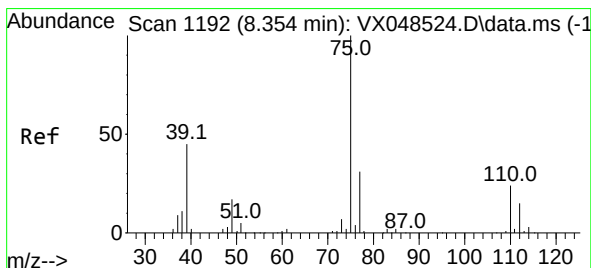
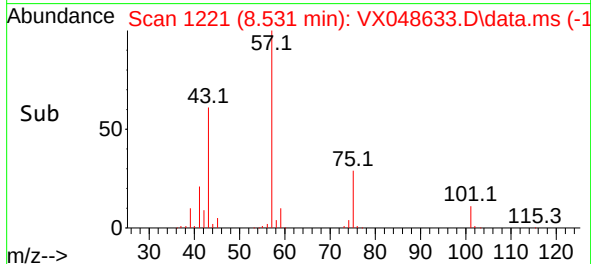
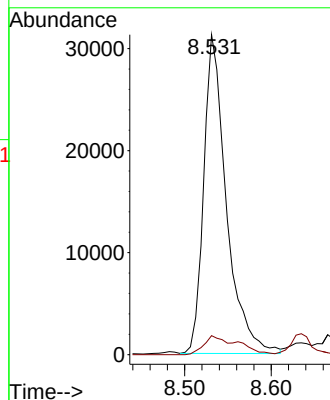
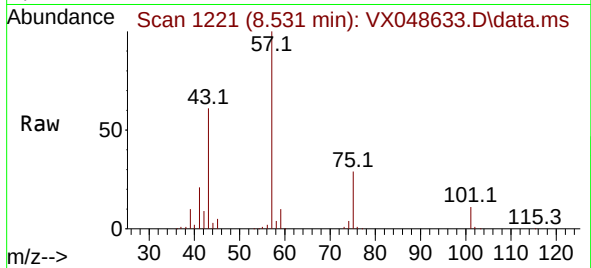




#51
4-Methyl-2-Pentanone
Concen: 17.316 ug/l
RT: 8.531 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27

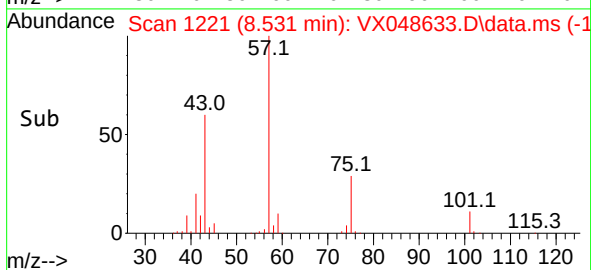
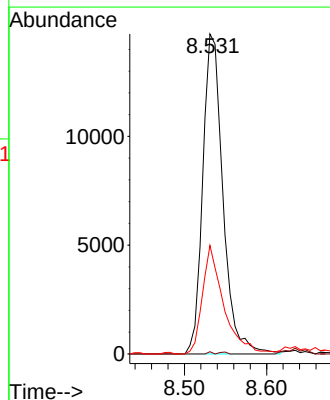
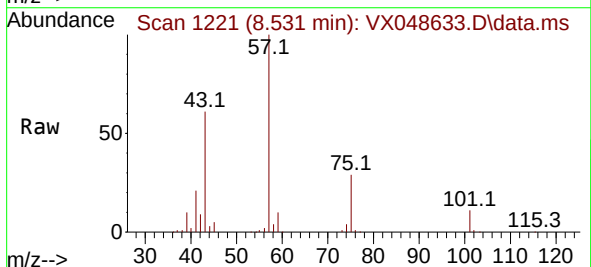
Instrument :
MSVOA_X
ClientSampleId :
PB170601TB

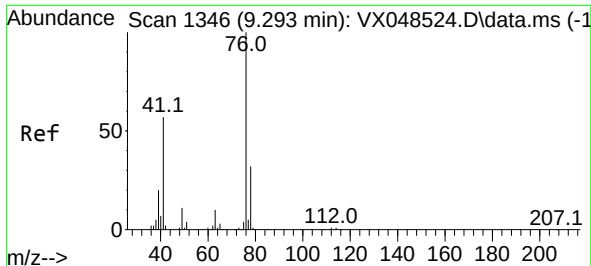
Tgt Ion: 43 Resp: 56782
Ion Ratio Lower Upper
43 100
58 9.0 32.3 48.5#



#54
cis-1,3-Dichloropropene
Concen: 7.788 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. 0.177 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27

Tgt Ion: 75 Resp: 25088
Ion Ratio Lower Upper
75 100
77 0.7 24.7 37.1#
39 33.9 36.1 54.1#





#57

1,3-Dichloropropane

Concen: 0.690 ug/l

RT: 9.464 min Scan# 11

Delta R.T. 0.171 min

Lab File: VX048633.D

Acq: 20 Nov 2025 13:27

Instrument :

MSVOA_X

ClientSampleId :

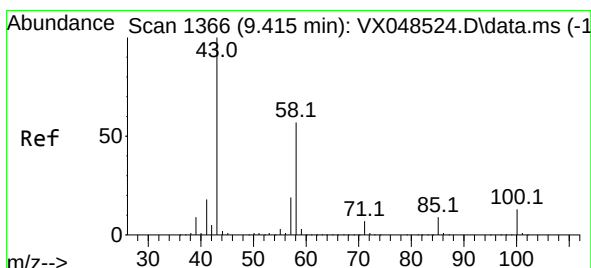
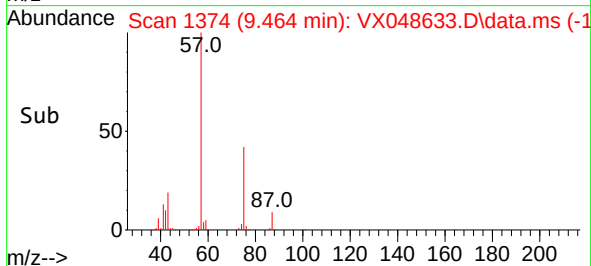
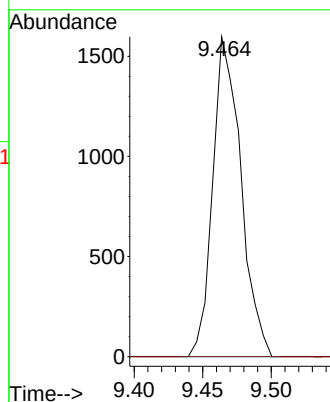
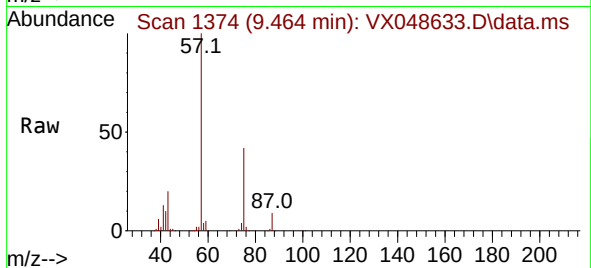
PB170601TB

Tgt Ion: 76 Resp: 2279

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 11.699 ug/l

RT: 9.470 min Scan# 1375

Delta R.T. 0.055 min

Lab File: VX048633.D

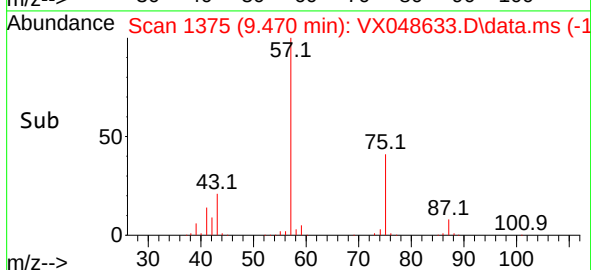
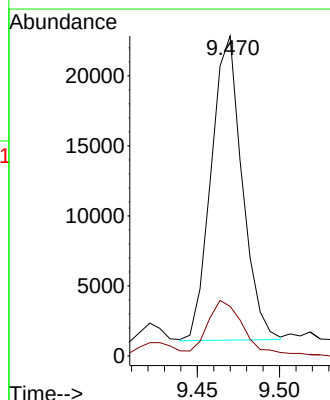
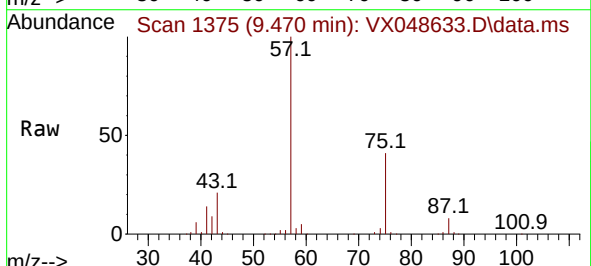
Acq: 20 Nov 2025 13:27

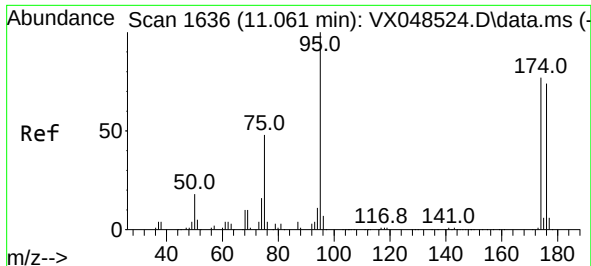
Tgt Ion: 43 Resp: 28537

Ion Ratio Lower Upper

43 100

58 21.4 28.1 84.2#

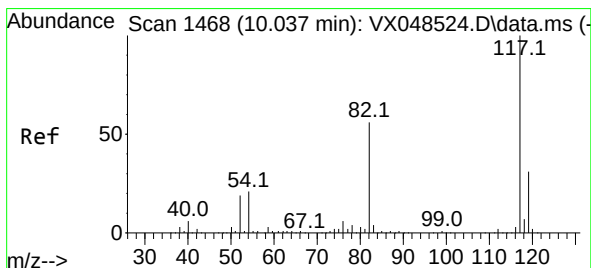
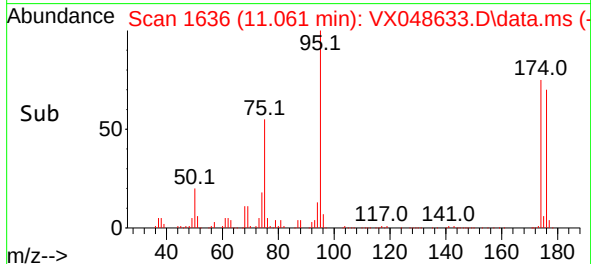
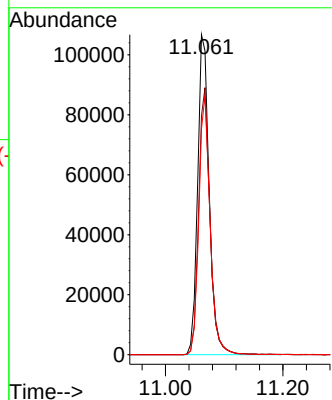
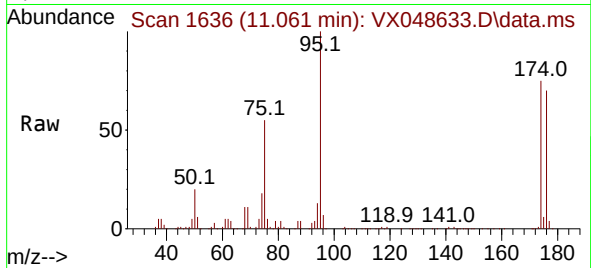




#62
4-Bromofluorobenzene
Concen: 57.901 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27

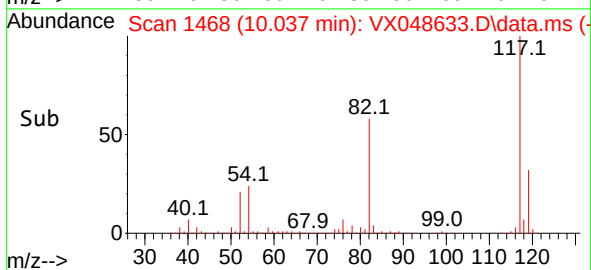
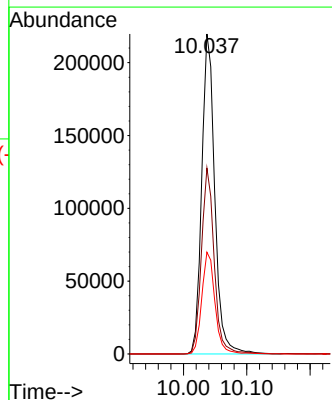
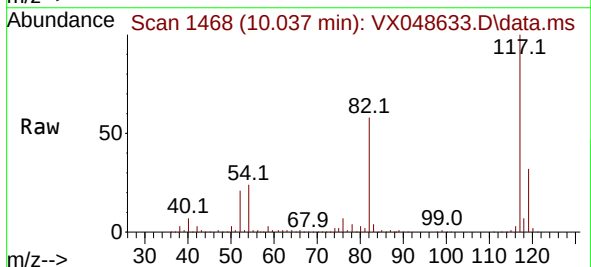
Instrument :
MSVOA_X
ClientSampleId :
PB170601TB

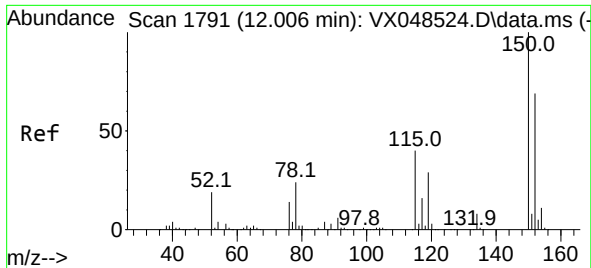
Tgt Ion: 95 Resp: 146318
Ion Ratio Lower Upper
95 100
174 82.0 0.0 161.8
176 78.9 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048633.D
Acq: 20 Nov 2025 13:27

Tgt Ion: 117 Resp: 315624
Ion Ratio Lower Upper
117 100
82 58.1 44.4 66.6
119 31.8 25.1 37.7

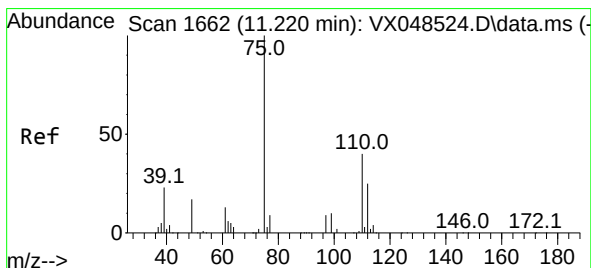
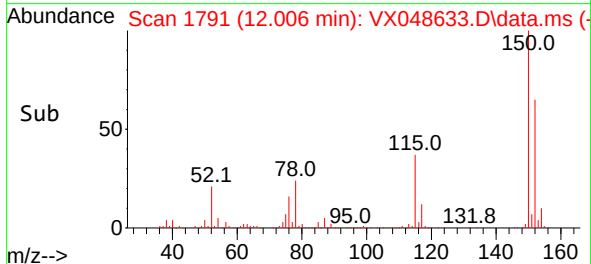
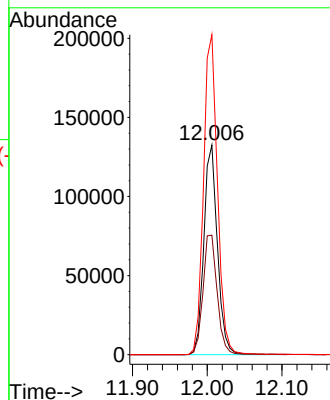
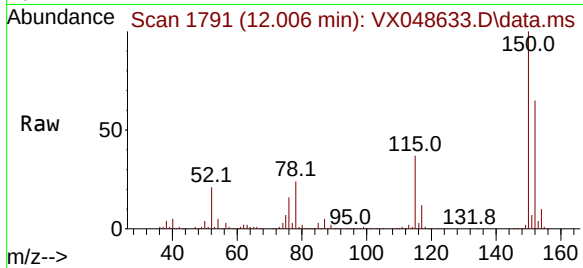




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048633.D
 Acq: 20 Nov 2025 13:27

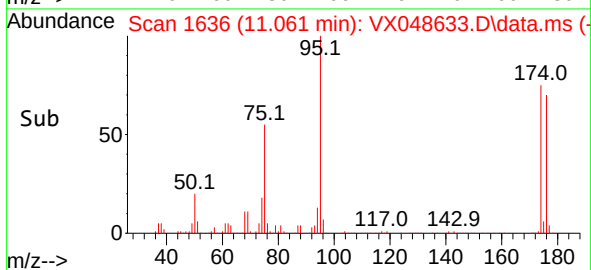
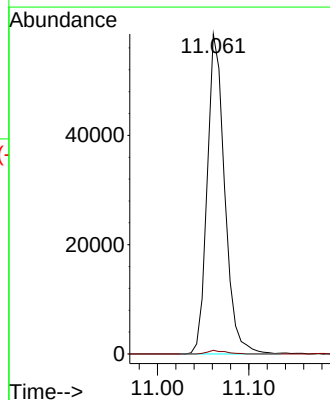
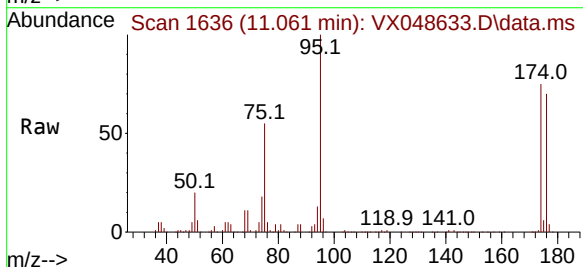
Instrument :
 MSVOA_X
 ClientSampleId :
 PB170601TB

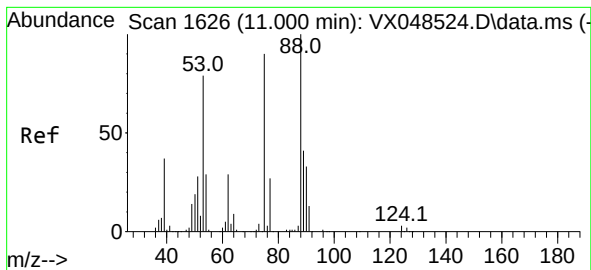
Tgt Ion:152 Resp: 167533
 Ion Ratio Lower Upper
 152 100
 115 59.6 39.2 117.6
 150 156.4 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 19.240 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048633.D
 Acq: 20 Nov 2025 13:27

Tgt Ion: 75 Resp: 77657
 Ion Ratio Lower Upper
 75 100
 77 1.2 24.3 72.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.034 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048633.D
 Acq: 20 Nov 2025 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 PB170601TB

Tgt Ion: 75 Resp: 77657
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.0 43.6 65.4#

