

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048863.D
 Acq On : 12 Dec 2025 18:14
 Operator : JC/MD
 Sample : Q3826-12RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Quant Time: Dec 12 22:17:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

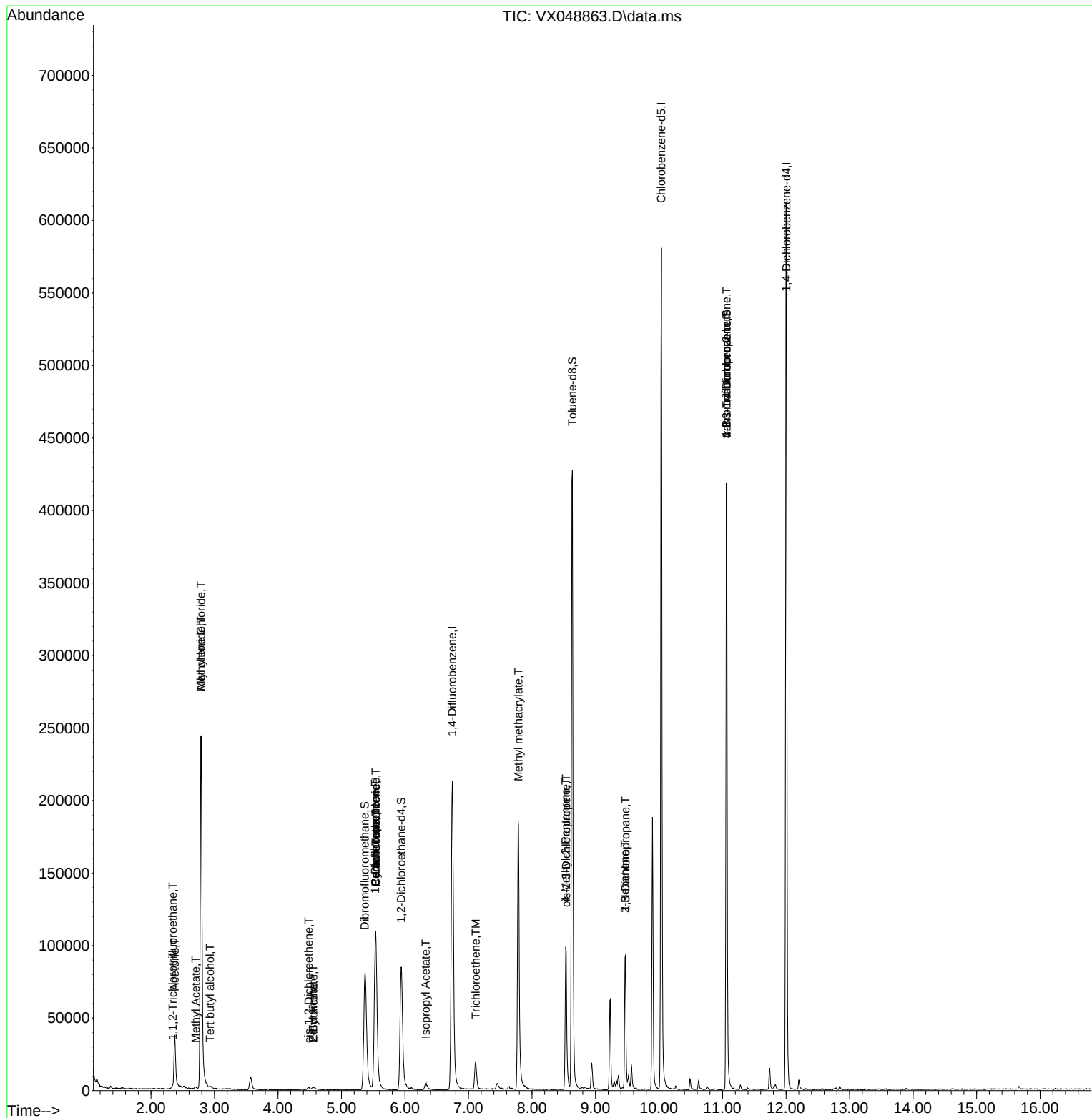
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	112139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	235902	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	269420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	92811	61.664	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	123.320%#
35) Dibromofluoromethane	5.367	113	80292	49.432	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.860%
50) Toluene-d8	8.634	98	276756	48.608	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.220%
62) 4-Bromofluorobenzene	11.061	95	120272	61.259	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	122.520%
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.343	101	1226	0.961	ug/l	94
11) Tert butyl alcohol	2.928	59	738	3.037	ug/l #	73
14) Allyl chloride	2.788	41	4956	2.267	ug/l #	28
16) Acetone	2.373	43	51245	88.938	ug/l	97
18) Methyl Acetate	2.703	43	2035	1.255	ug/l #	86
20) Methylene Chloride	2.788	84	118410	82.218	ug/l	95
25) 2-Butanone	4.556	43	4166	4.899	ug/l #	86
27) cis-1,2-Dichloroethene	4.483	96	1193	0.795	ug/l	60
31) Cyclohexane	5.537	56	2461	1.210	ug/l #	9
36) 1,1-Dichloropropene	5.531	75	8997	4.044	ug/l #	49
37) Ethyl Acetate	4.556	43	4166	1.567	ug/l #	71
38) Carbon Tetrachloride	5.537	117	11601	4.604	ug/l #	14
43) Isopropyl Acetate	6.324	43	7425	1.845	ug/l	97
44) Trichloroethene	7.116	130	8230	4.783	ug/l	92
48) Methyl methacrylate	7.787	41	18887	9.328	ug/l #	42
51) 4-Methyl-2-Pentanone	8.531	43	39207	15.693	ug/l #	50
54) cis-1,3-Dichloropropene	8.537	75	16805	6.307	ug/l #	61
57) 1,3-Dichloropropane	9.470	76	804	0.302	ug/l #	42
59) 2-Hexanone	9.464	43	11367	6.481	ug/l #	59
76) 1,2,3-Trichloropropane	11.061	75	61394	23.134	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	61394	54.953	ug/l #	3
95) Naphthalene	13.755	128	203	Below Cal	#	69

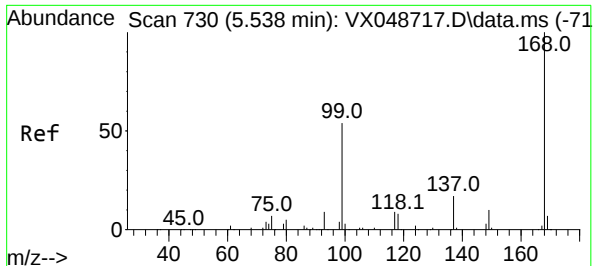
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
Data File : VX048863.D
Acq On : 12 Dec 2025 18:14
Operator : JC/MD
Sample : Q3826-12RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Quant Time: Dec 12 22:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

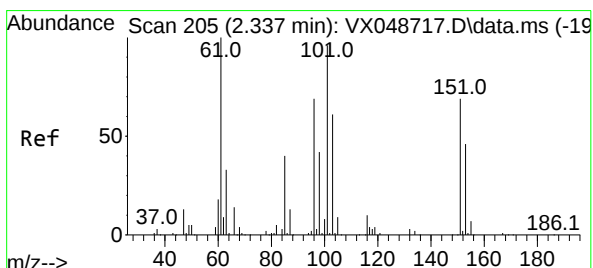
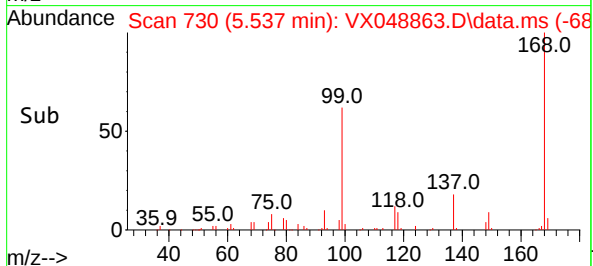
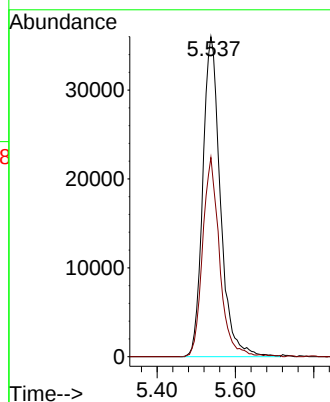
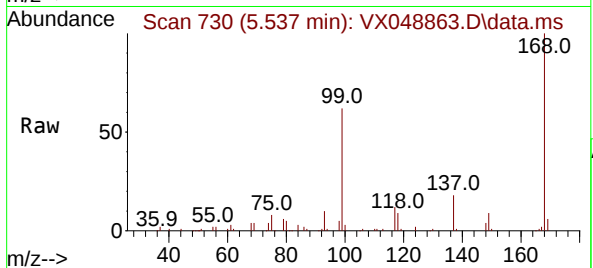




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048863.D
Acq: 12 Dec 2025 18:14

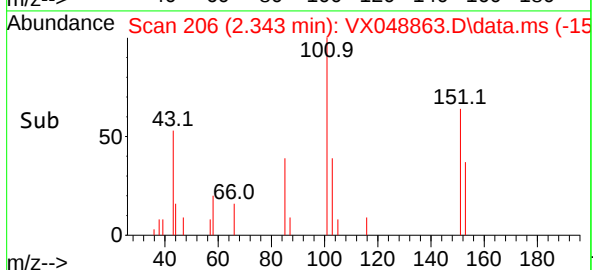
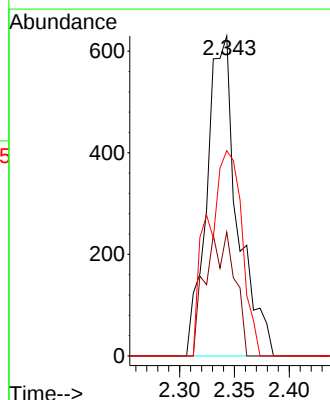
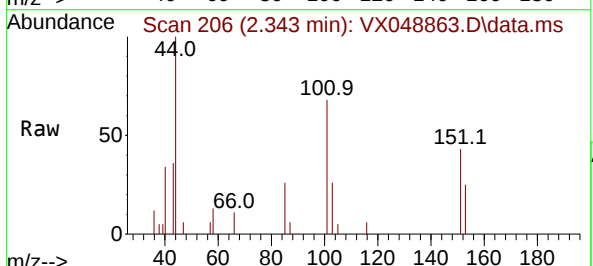
Instrument :
MSVOA_X
ClientSampleId :
TP-2

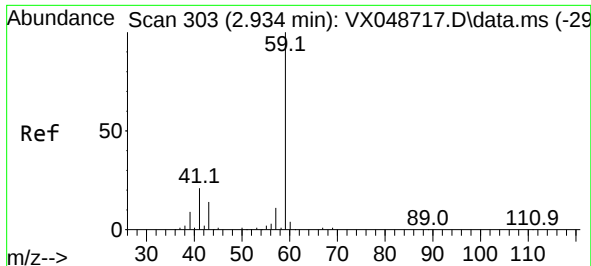
Tgt Ion:168 Resp: 112139
Ion Ratio Lower Upper
168 100
99 62.2 44.2 66.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.961 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX048863.D
Acq: 12 Dec 2025 18:14

Tgt Ion:101 Resp: 1226
Ion Ratio Lower Upper
101 100
85 37.0 34.2 51.2
151 71.5 60.2 90.4

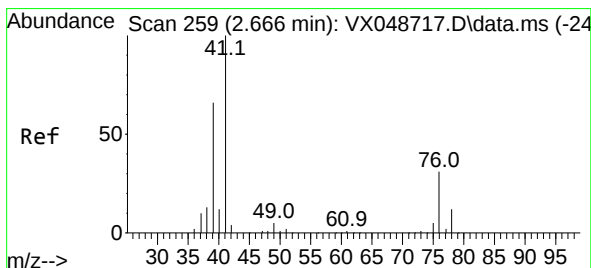
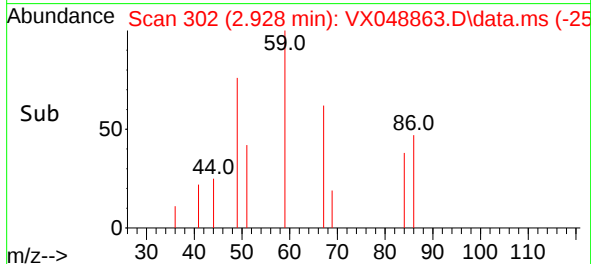
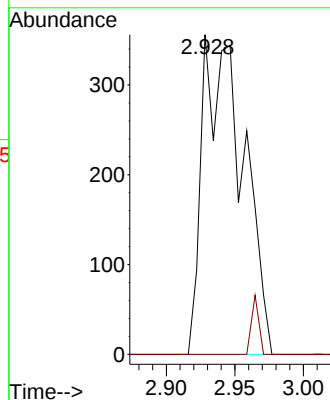
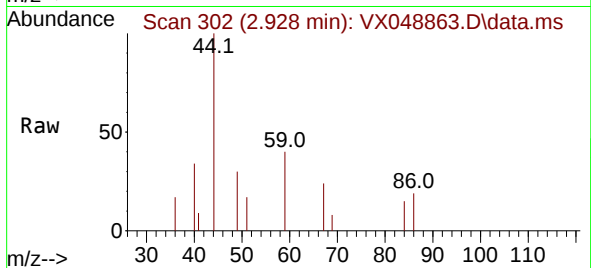




#11
Tert butyl alcohol
Concen: 3.037 ug/l
RT: 2.928 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX048863.D
Acq: 12 Dec 2025 18:14

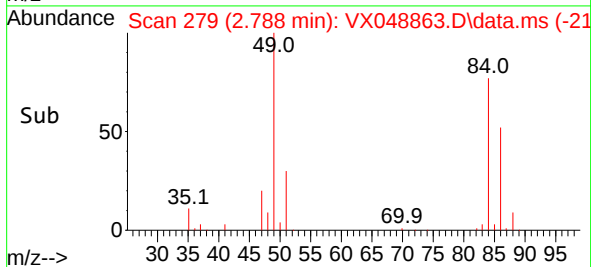
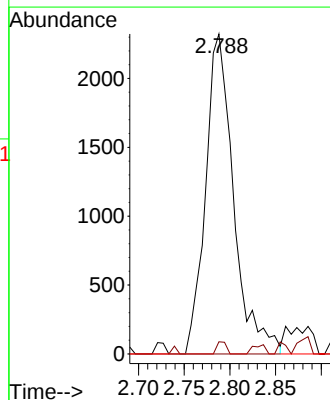
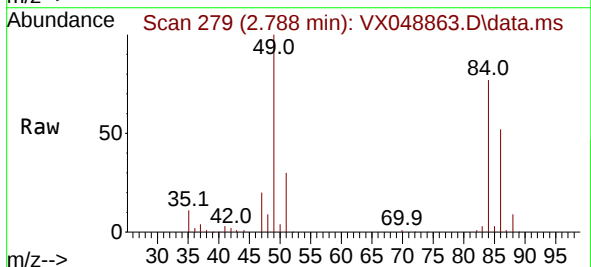
Instrument :
MSVOA_X
ClientSampleId :
TP-2

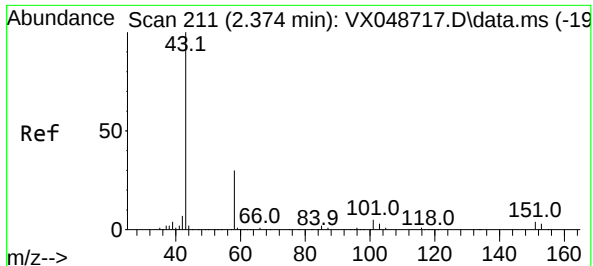
Tgt Ion: 59 Resp: 738
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#14
Allyl chloride
Concen: 2.267 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.122 min
Lab File: VX048863.D
Acq: 12 Dec 2025 18:14

Tgt Ion: 41 Resp: 4956
Ion Ratio Lower Upper
41 100
39 1.3 49.8 74.6#
76 0.0 27.3 40.9#

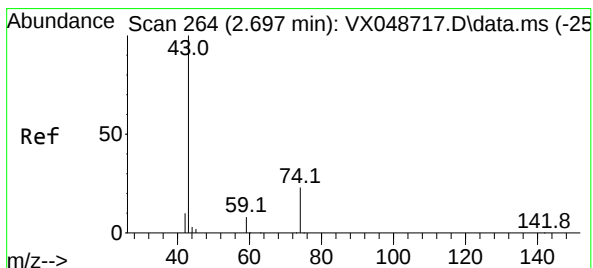
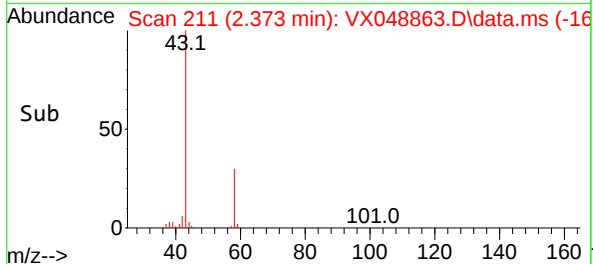
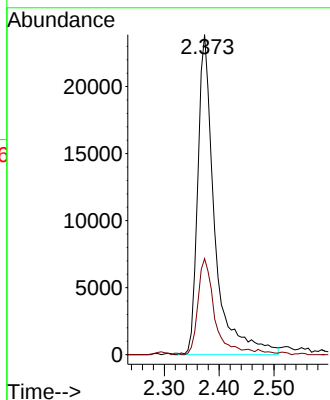
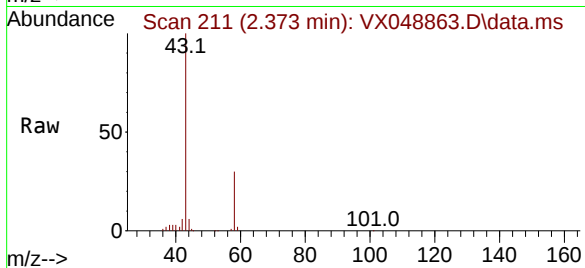




#16
Acetone
Concen: 88.938 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048863.D
Acq: 12 Dec 2025 18:14

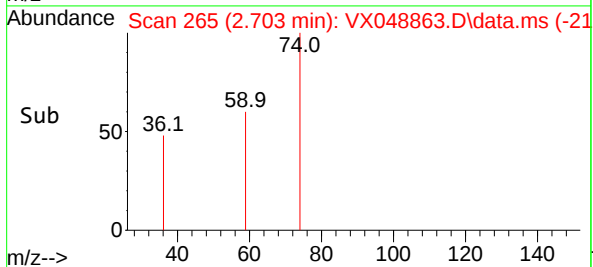
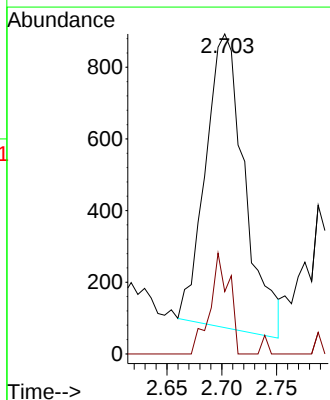
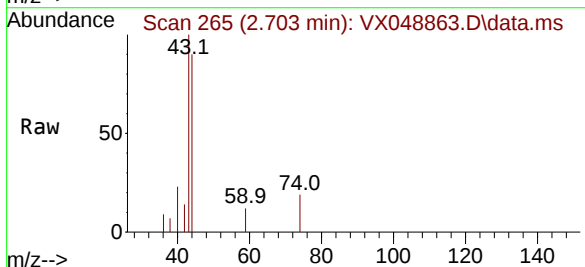
Instrument :
MSVOA_X
ClientSampleId :
TP-2

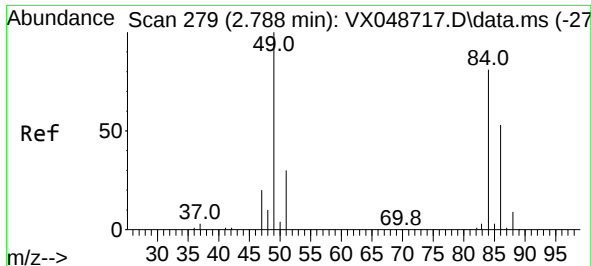
Tgt Ion: 43 Resp: 51245
Ion Ratio Lower Upper
43 100
58 29.6 25.0 37.4



#18
Methyl Acetate
Concen: 1.255 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048863.D
Acq: 12 Dec 2025 18:14

Tgt Ion: 43 Resp: 2035
Ion Ratio Lower Upper
43 100
74 16.9 19.2 28.8#





#20

Methylene Chloride

Concen: 82.218 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX048863.D

Acq: 12 Dec 2025 18:14

Instrument :

MSVOA_X

ClientSampleId :

TP-2

Tgt Ion: 84 Resp: 118410

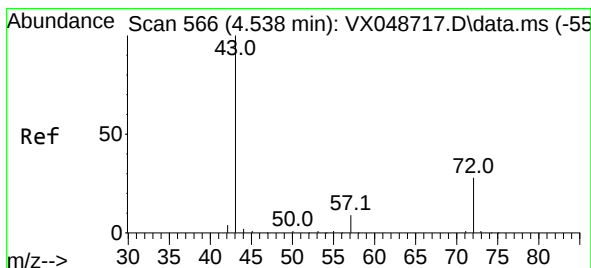
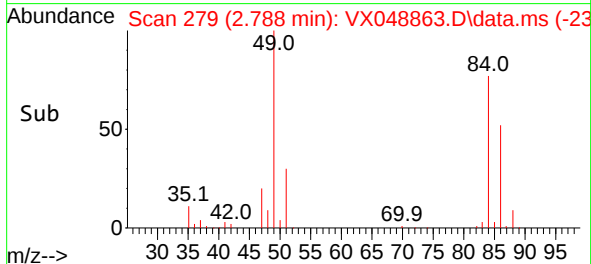
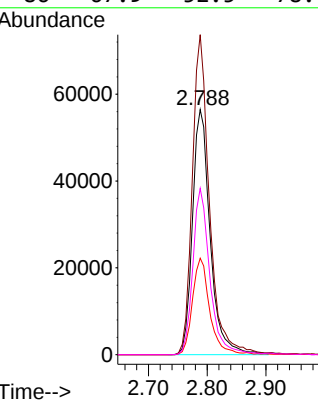
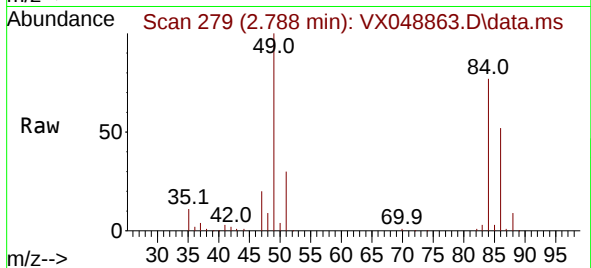
Ion Ratio Lower Upper

84 100

49 130.5 98.7 148.1

51 39.4 29.4 44.2

86 67.9 52.5 78.7



#25

2-Butanone

Concen: 4.899 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.018 min

Lab File: VX048863.D

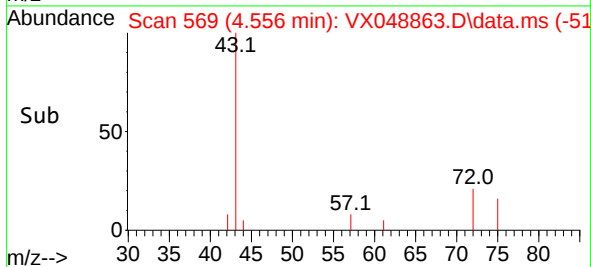
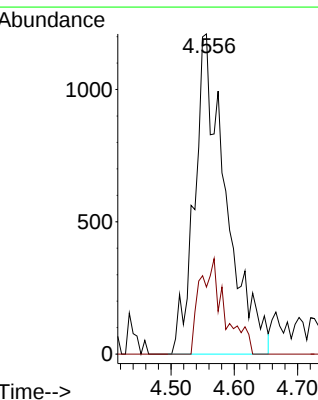
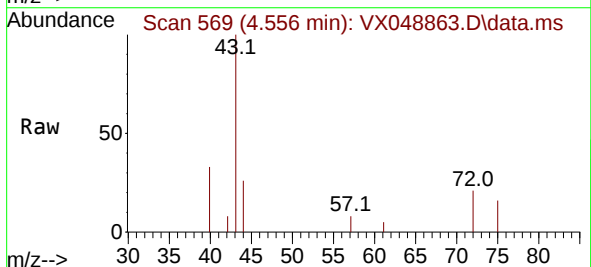
Acq: 12 Dec 2025 18:14

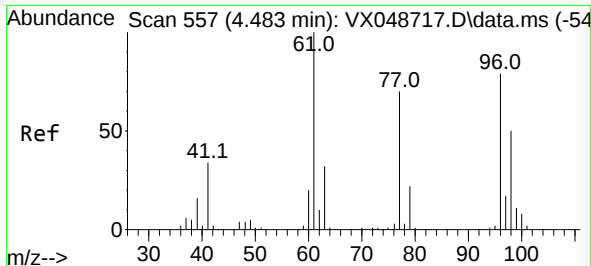
Tgt Ion: 43 Resp: 4166

Ion Ratio Lower Upper

43 100

72 20.9 22.6 34.0#





#27

cis-1,2-Dichloroethene

Concen: 0.795 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX048863.D

Acq: 12 Dec 2025 18:14

Instrument :

MSVOA_X

ClientSampleId :

TP-2

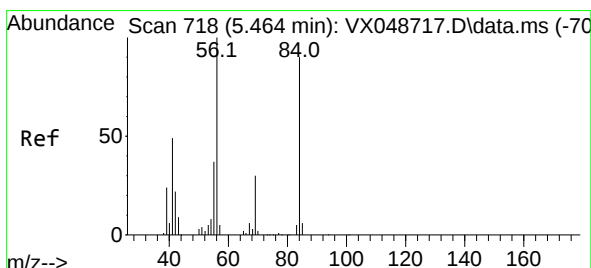
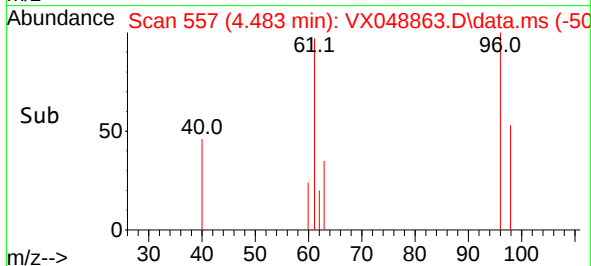
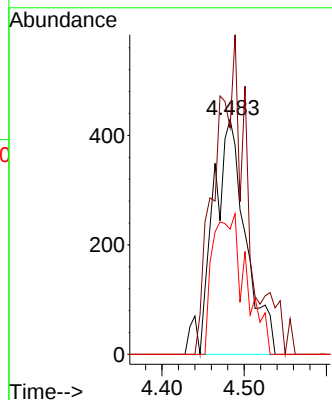
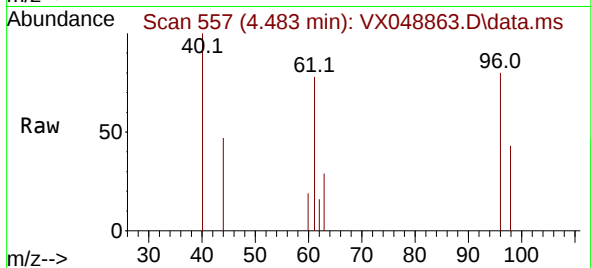
Tgt Ion: 96 Resp: 1193

Ion Ratio Lower Upper

96 100

61 68.3 0.0 271.0

98 59.8 0.0 130.2



#31

Cyclohexane

Concen: 1.210 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX048863.D

Acq: 12 Dec 2025 18:14

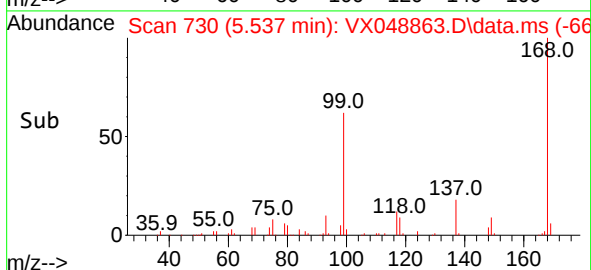
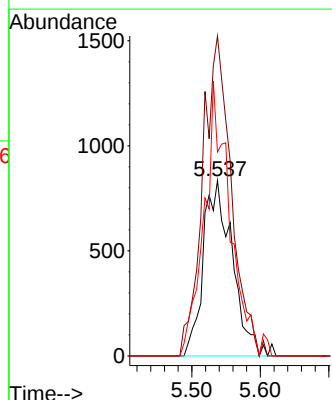
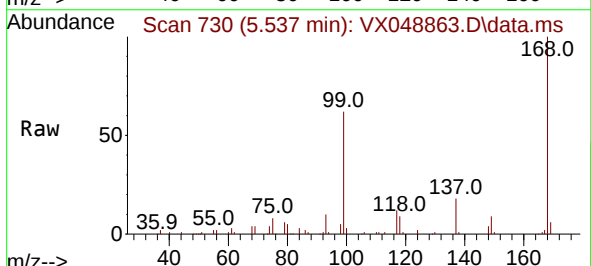
Tgt Ion: 56 Resp: 2461

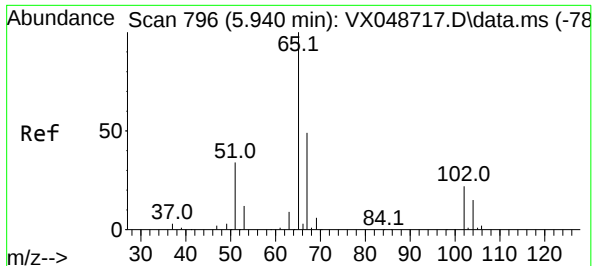
Ion Ratio Lower Upper

56 100

69 182.4 24.2 36.2#

84 116.3 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 61.664 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048863.D

Acq: 12 Dec 2025 18:14

Instrument :

MSVOA_X

ClientSampleId :

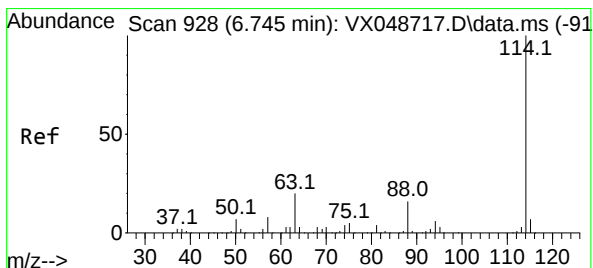
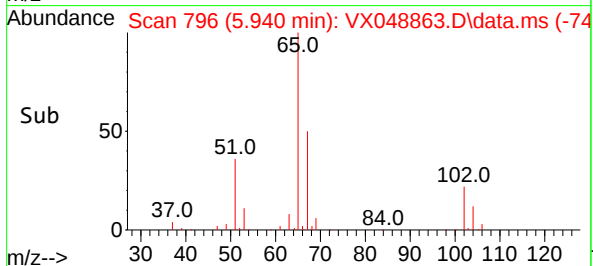
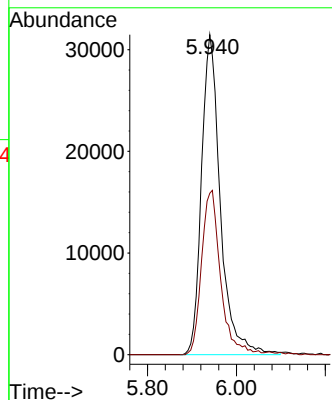
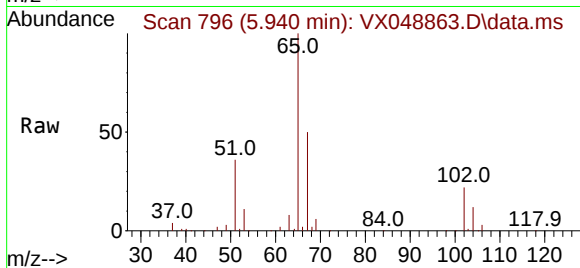
TP-2

Tgt Ion: 65 Resp: 92811

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048863.D

Acq: 12 Dec 2025 18:14

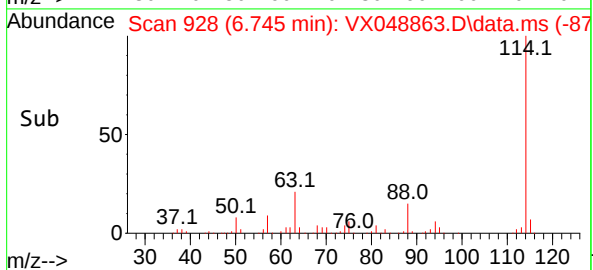
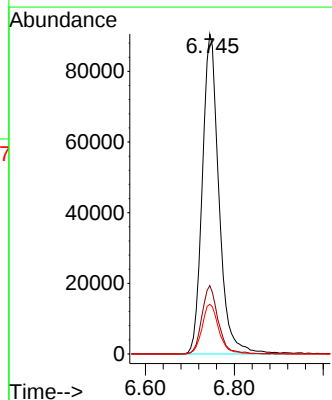
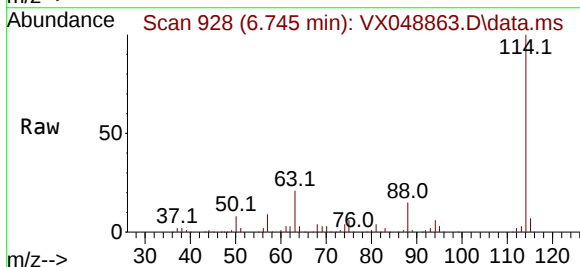
Tgt Ion: 114 Resp: 235902

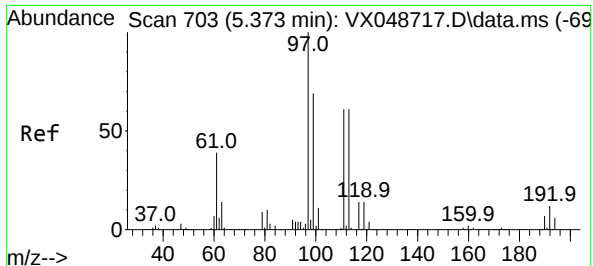
Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.0

88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.432 ug/l

RT: 5.367 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX048863.D

Acq: 12 Dec 2025 18:14

Instrument :

MSVOA_X

ClientSampleId :

TP-2

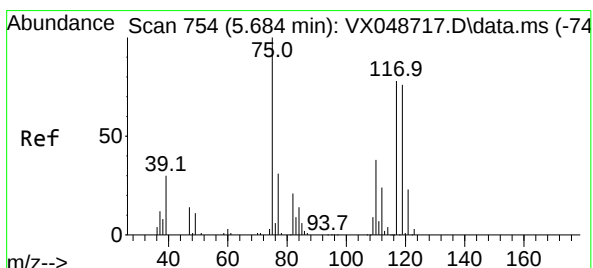
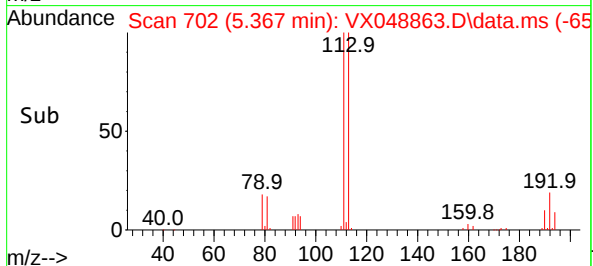
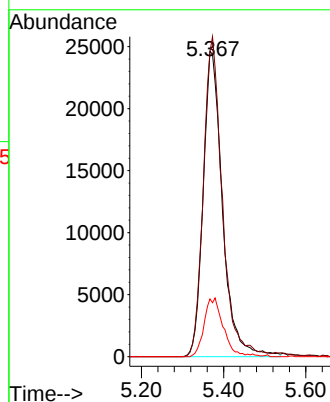
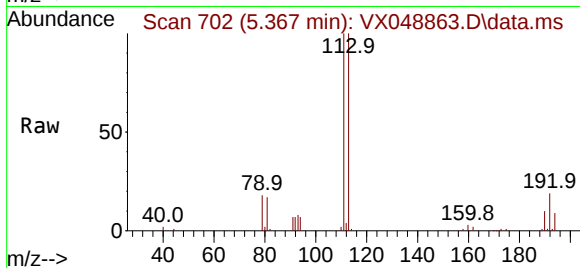
Tgt Ion:113 Resp: 80292

Ion Ratio Lower Upper

113 100

111 102.3 79.5 119.3

192 19.2 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.044 ug/l

RT: 5.531 min Scan# 729

Delta R.T. -0.153 min

Lab File: VX048863.D

Acq: 12 Dec 2025 18:14

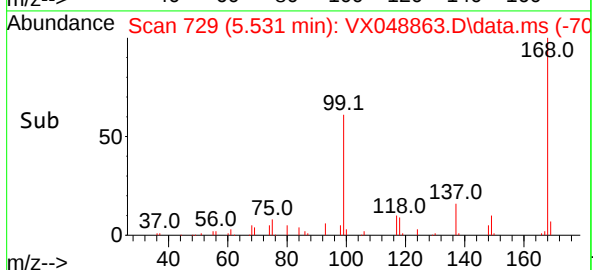
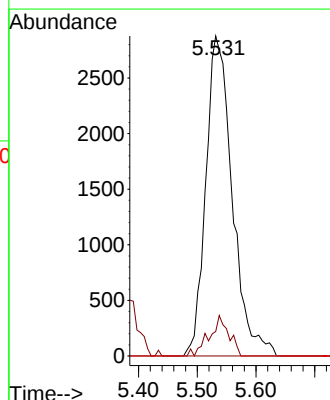
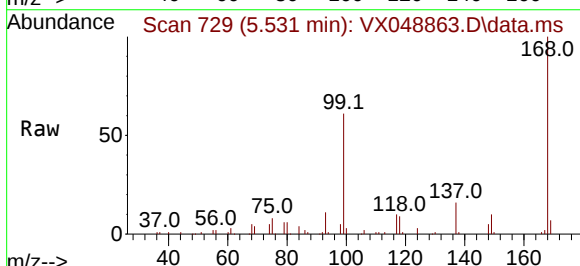
Tgt Ion: 75 Resp: 8997

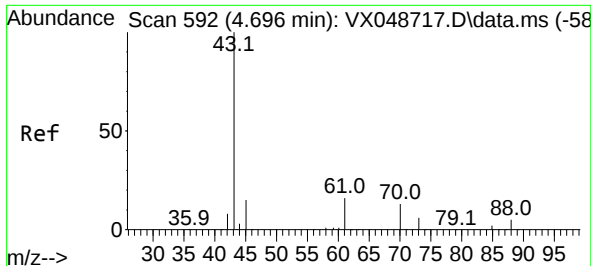
Ion Ratio Lower Upper

75 100

110 9.3 18.6 55.8#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.567 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.140 min

Lab File: VX048863.D

Acq: 12 Dec 2025 18:14

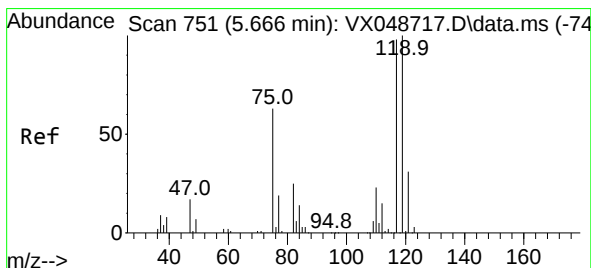
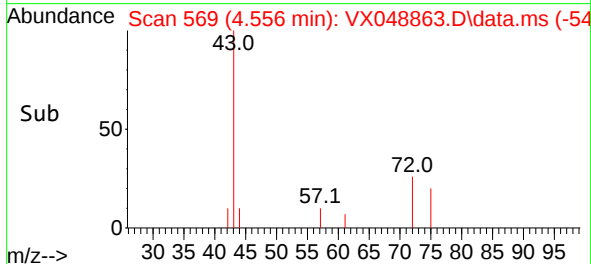
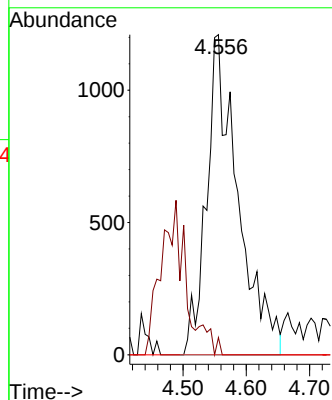
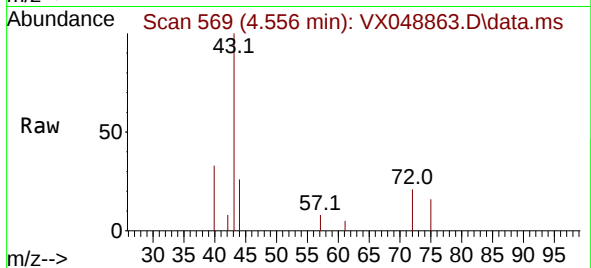
Instrument :

MSVOA_X

ClientSampleId :

TP-2

Tgt Ion:	43	Resp:	4166
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	8.2	12.4#



#38

Carbon Tetrachloride

Concen: 4.604 ug/l

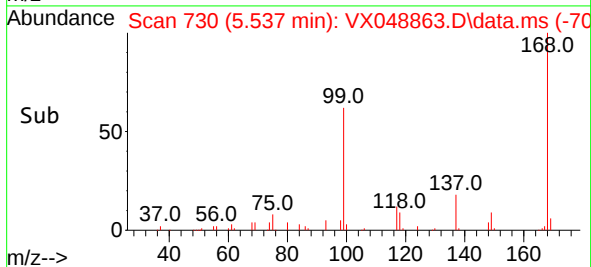
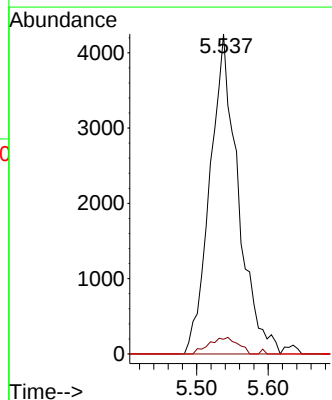
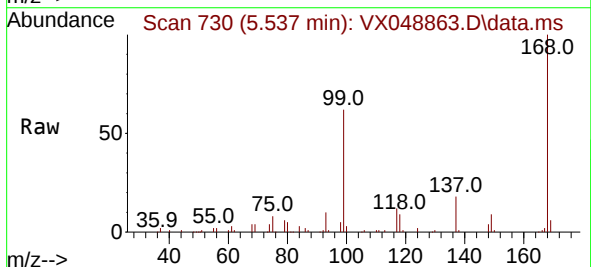
RT: 5.537 min Scan# 730

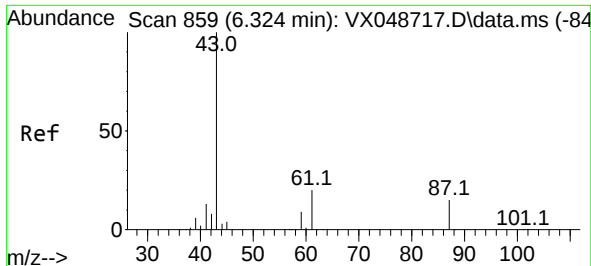
Delta R.T. -0.128 min

Lab File: VX048863.D

Acq: 12 Dec 2025 18:14

Tgt Ion:	117	Resp:	11601
Ion	Ratio	Lower	Upper
117	100		
119	4.6	80.5	120.7#
121	0.0	25.4	38.0#

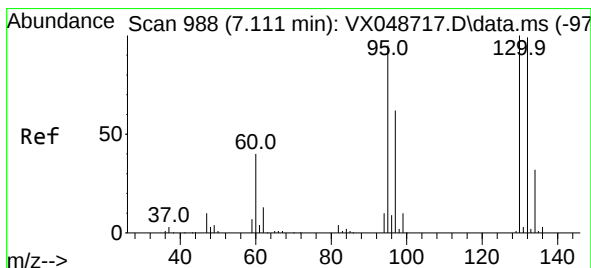
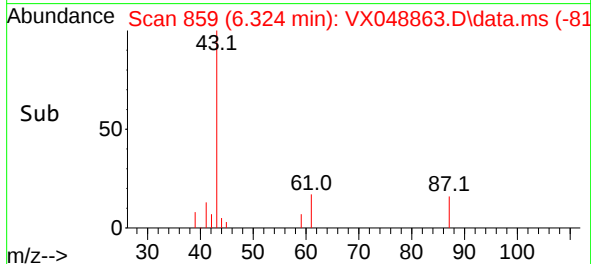
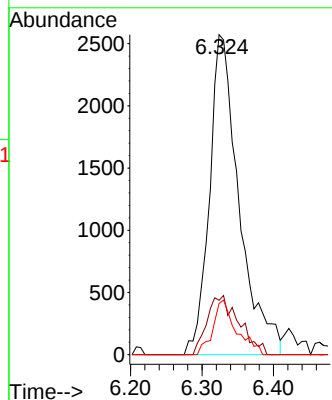
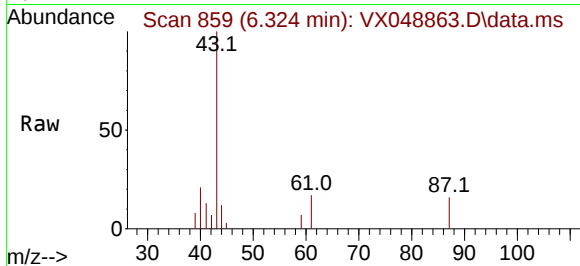




#43
Isopropyl Acetate
Concen: 1.845 ug/l
RT: 6.324 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX048863.D
Acq: 12 Dec 2025 18:14

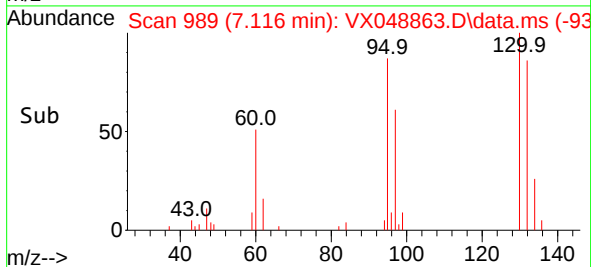
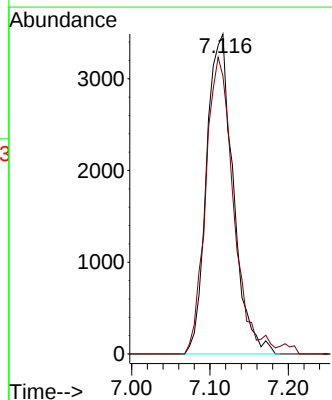
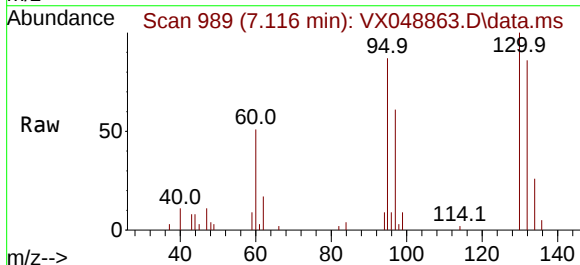
Instrument :
MSVOA_X
ClientSampleId :
TP-2

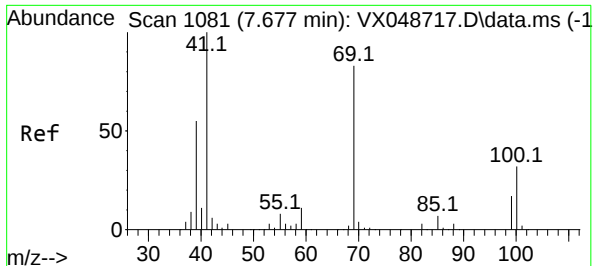
Tgt Ion:	43	Resp:	7425
Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.8	25.2
87	13.5	11.8	17.6



#44
Trichloroethene
Concen: 4.783 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX048863.D
Acq: 12 Dec 2025 18:14

Tgt Ion:	130	Resp:	8230
Ion	Ratio	Lower	Upper
130	100		
95	86.9	0.0	189.6





#48

Methyl methacrylate

Concen: 9.328 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.110 min

Lab File: VX048863.D

Acq: 12 Dec 2025 18:14

Instrument :

MSVOA_X

ClientSampleId :

TP-2

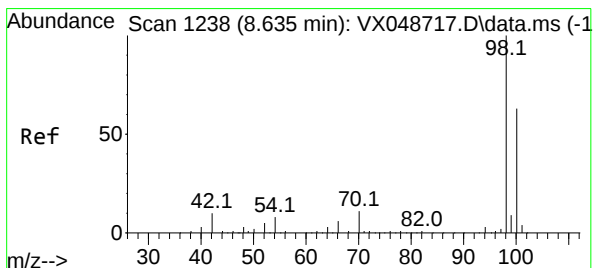
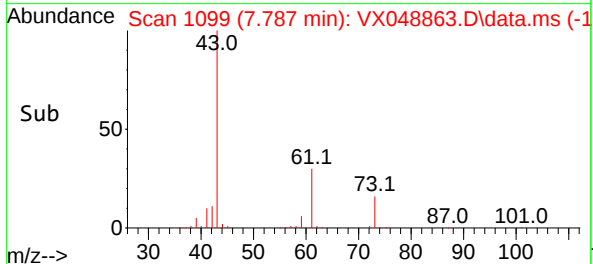
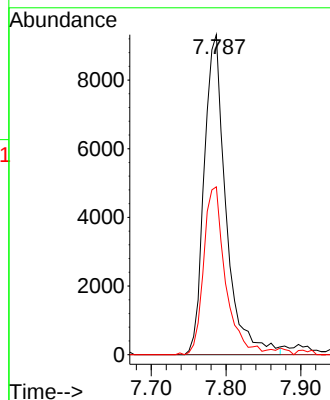
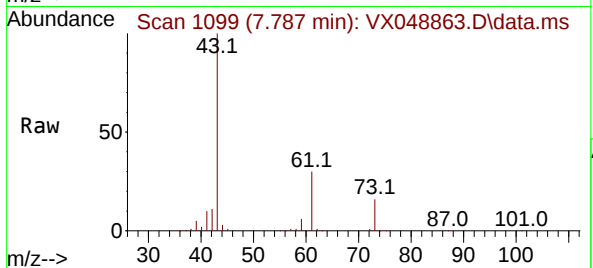
Tgt Ion: 41 Resp: 18887

Ion Ratio Lower Upper

41 100

69 0.0 68.5 102.7#

39 52.6 43.5 65.3



#50

Toluene-d8

Concen: 48.608 ug/l

RT: 8.634 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048863.D

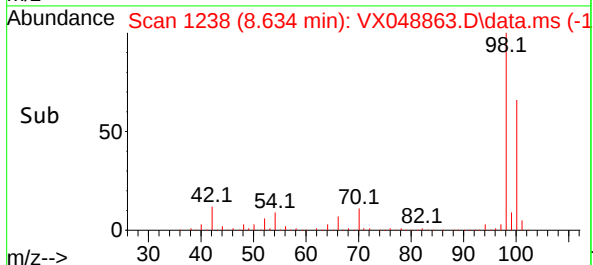
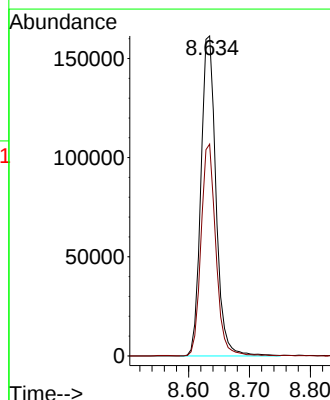
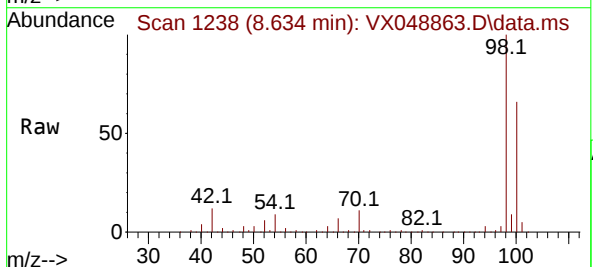
Acq: 12 Dec 2025 18:14

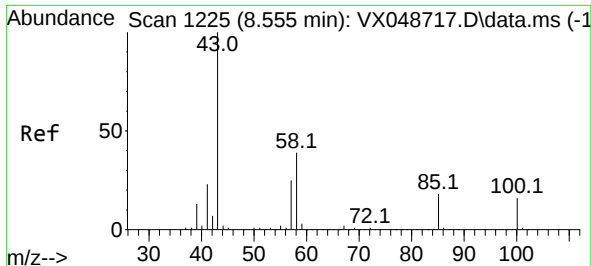
Tgt Ion: 98 Resp: 276756

Ion Ratio Lower Upper

98 100

100 65.1 53.4 80.0

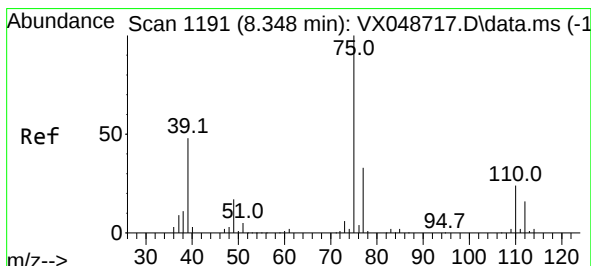
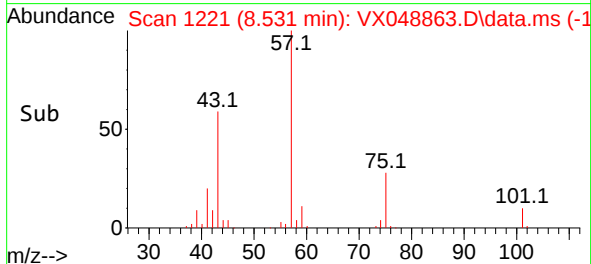
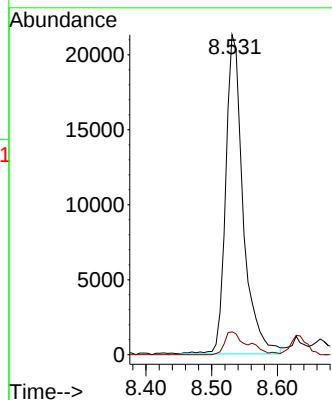
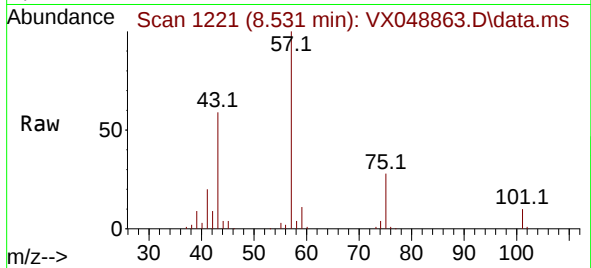




#51
4-Methyl-2-Pentanone
Concen: 15.693 ug/l
RT: 8.531 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX048863.D
Acq: 12 Dec 2025 18:14

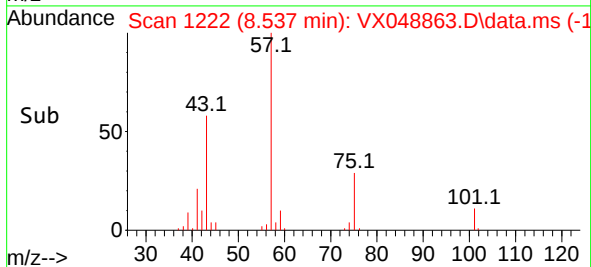
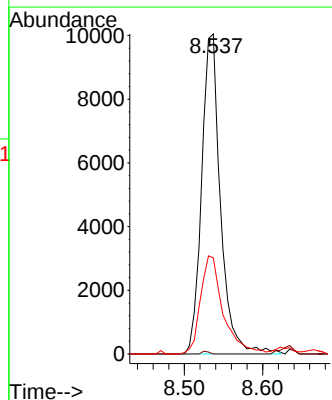
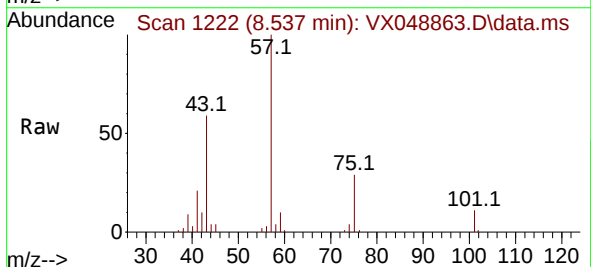
Instrument :
MSVOA_X
ClientSampleId :
TP-2

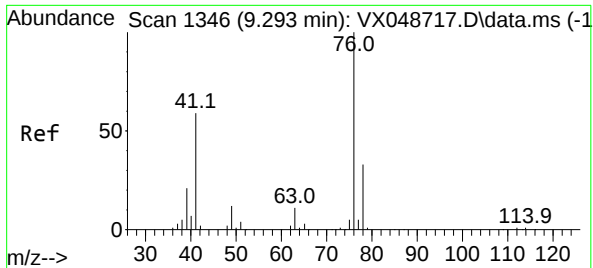
Tgt Ion: 43 Resp: 39207
Ion Ratio Lower Upper
43 100
58 9.5 32.2 48.4#



#54
cis-1,3-Dichloropropene
Concen: 6.307 ug/l
RT: 8.537 min Scan# 1222
Delta R.T. 0.189 min
Lab File: VX048863.D
Acq: 12 Dec 2025 18:14

Tgt Ion: 75 Resp: 16805
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 30.1 38.2 57.4#





#57

1,3-Dichloropropane

Concen: 0.302 ug/l

RT: 9.470 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX048863.D

Acq: 12 Dec 2025 18:14

Instrument :

MSVOA_X

ClientSampleId :

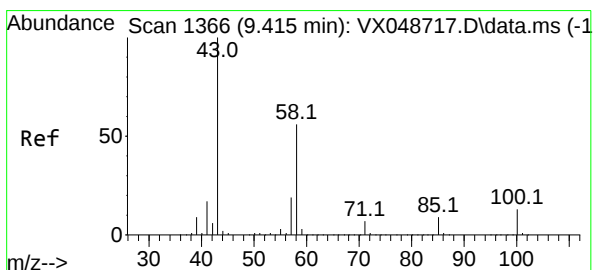
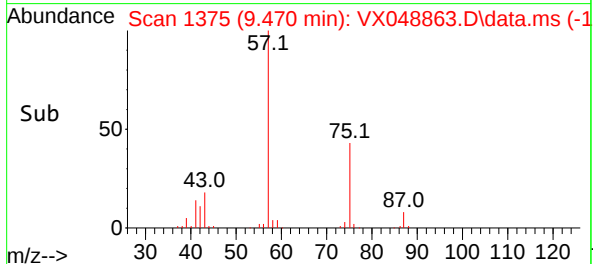
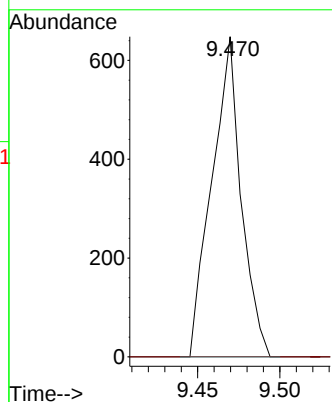
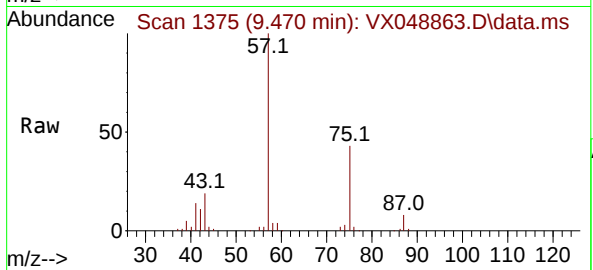
TP-2

Tgt Ion: 76 Resp: 804

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 6.481 ug/l

RT: 9.464 min Scan# 1374

Delta R.T. 0.049 min

Lab File: VX048863.D

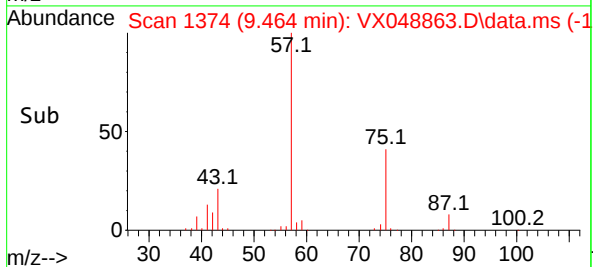
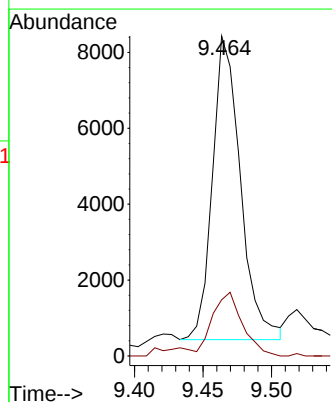
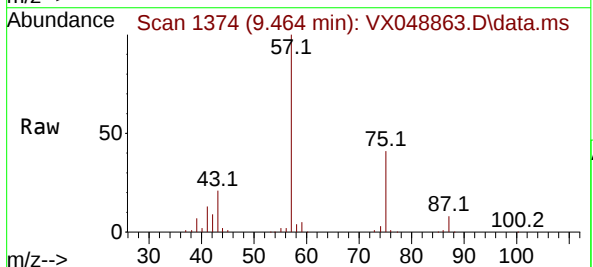
Acq: 12 Dec 2025 18:14

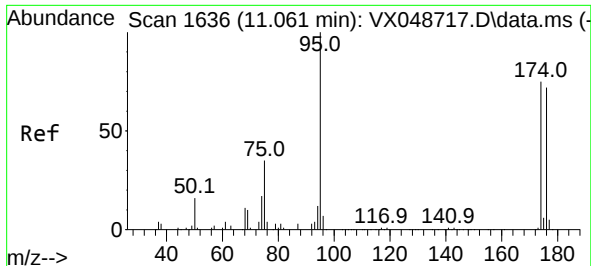
Tgt Ion: 43 Resp: 11367

Ion Ratio Lower Upper

43 100

58 25.7 27.8 83.4#

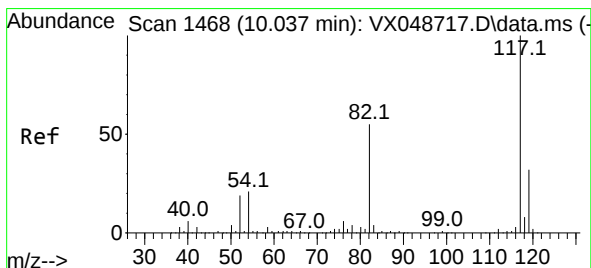
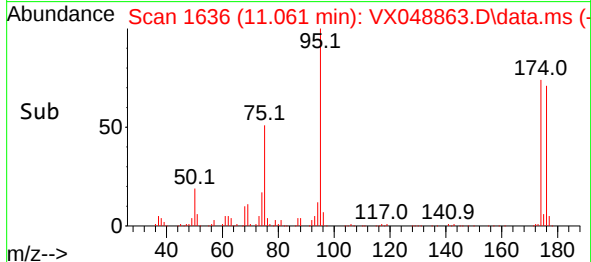
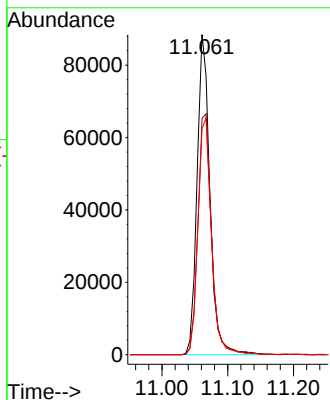
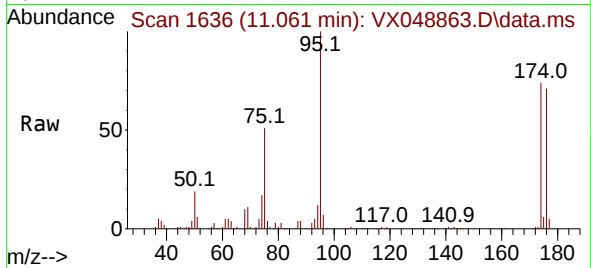




#62
4-Bromofluorobenzene
Concen: 61.259 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048863.D
Acq: 12 Dec 2025 18:14

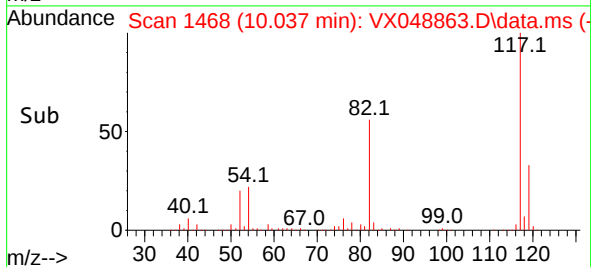
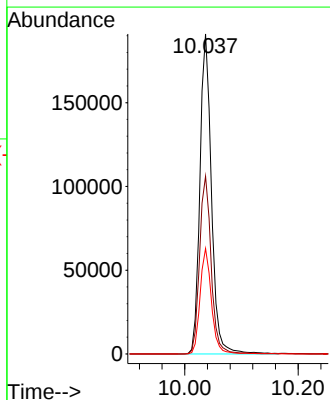
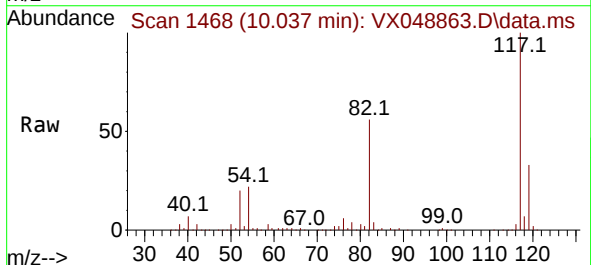
Instrument :
MSVOA_X
ClientSampleId :
TP-2

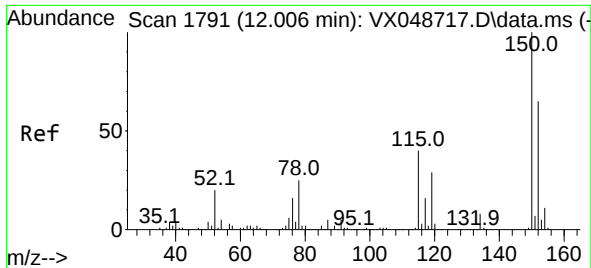
Tgt Ion: 95 Resp: 120272
Ion Ratio Lower Upper
95 100
174 80.2 0.0 157.8
176 77.8 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048863.D
Acq: 12 Dec 2025 18:14

Tgt Ion: 117 Resp: 269420
Ion Ratio Lower Upper
117 100
82 55.5 44.1 66.1
119 33.0 25.2 37.8

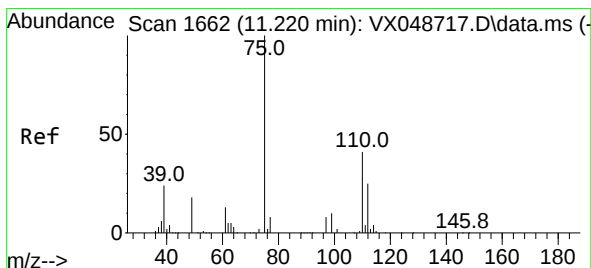
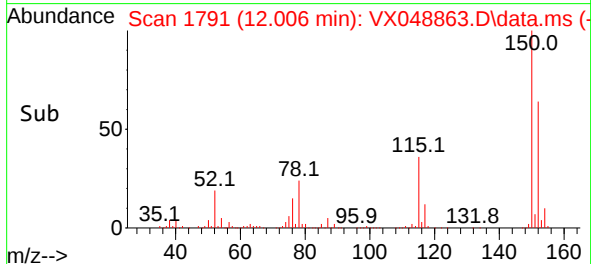
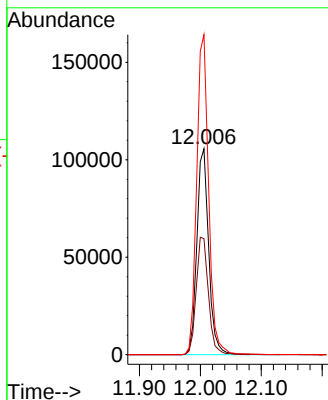
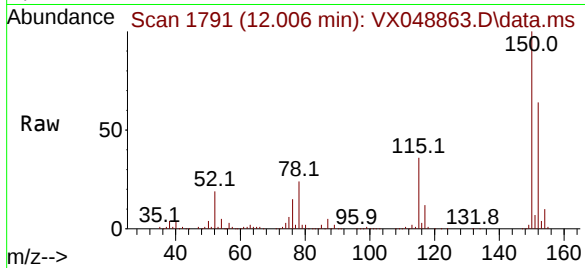




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048863.D
 Acq: 12 Dec 2025 18:14

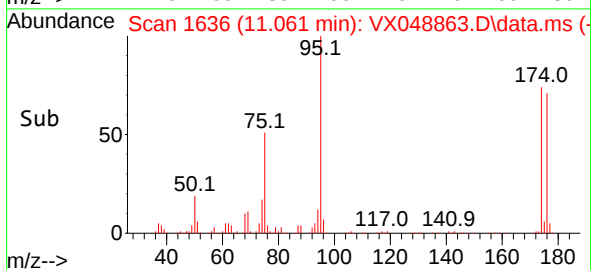
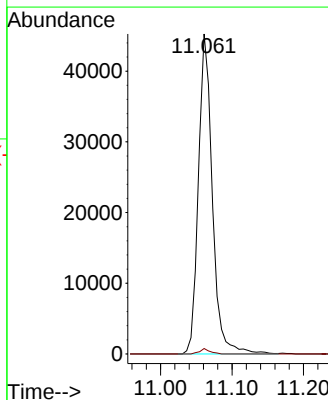
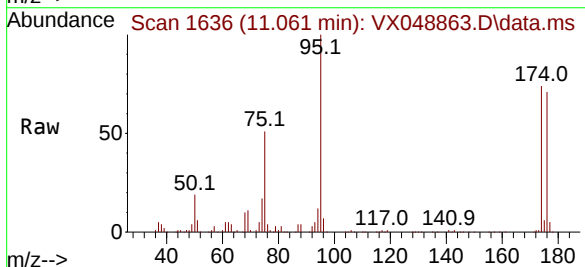
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

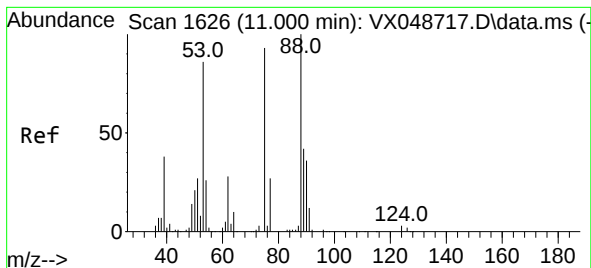
Tgt Ion:152 Resp: 142484
 Ion Ratio Lower Upper
 152 100
 115 58.9 42.1 126.4
 150 156.6 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 23.134 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048863.D
 Acq: 12 Dec 2025 18:14

Tgt Ion: 75 Resp: 61394
 Ion Ratio Lower Upper
 75 100
 77 1.2 24.3 73.0#

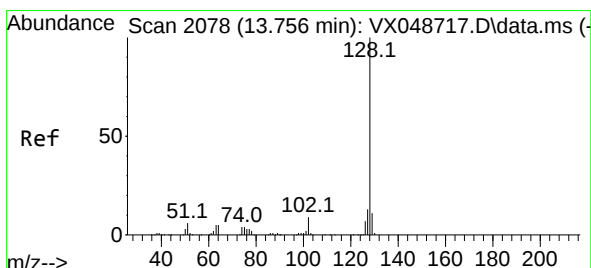
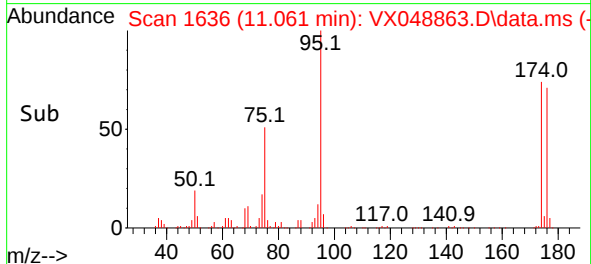
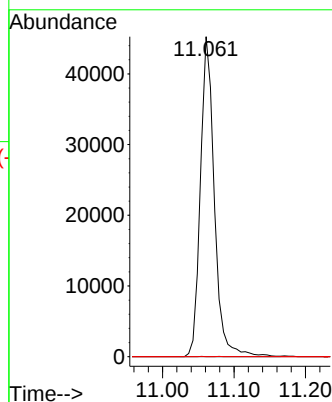
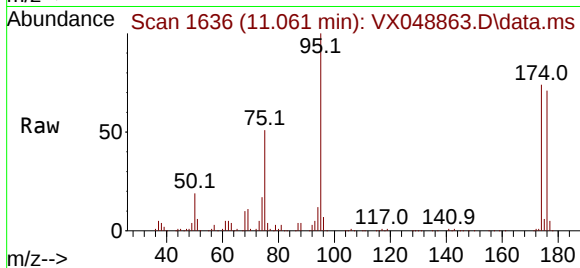




#81
trans-1,4-Dichloro-2-butene
Concen: 54.953 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048863.D
Acq: 12 Dec 2025 18:14

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Tgt Ion: 75 Resp: 61394
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#



#95
Naphthalene
Concen: Below Cal
RT: 13.755 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048863.D
Acq: 12 Dec 2025 18:14

Tgt Ion:128 Resp: 203
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

