

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048145.D
 Acq On : 13 Oct 2025 16:11
 Operator : JC/MD
 Sample : Q3326-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Quant Time: Oct 14 01:56:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

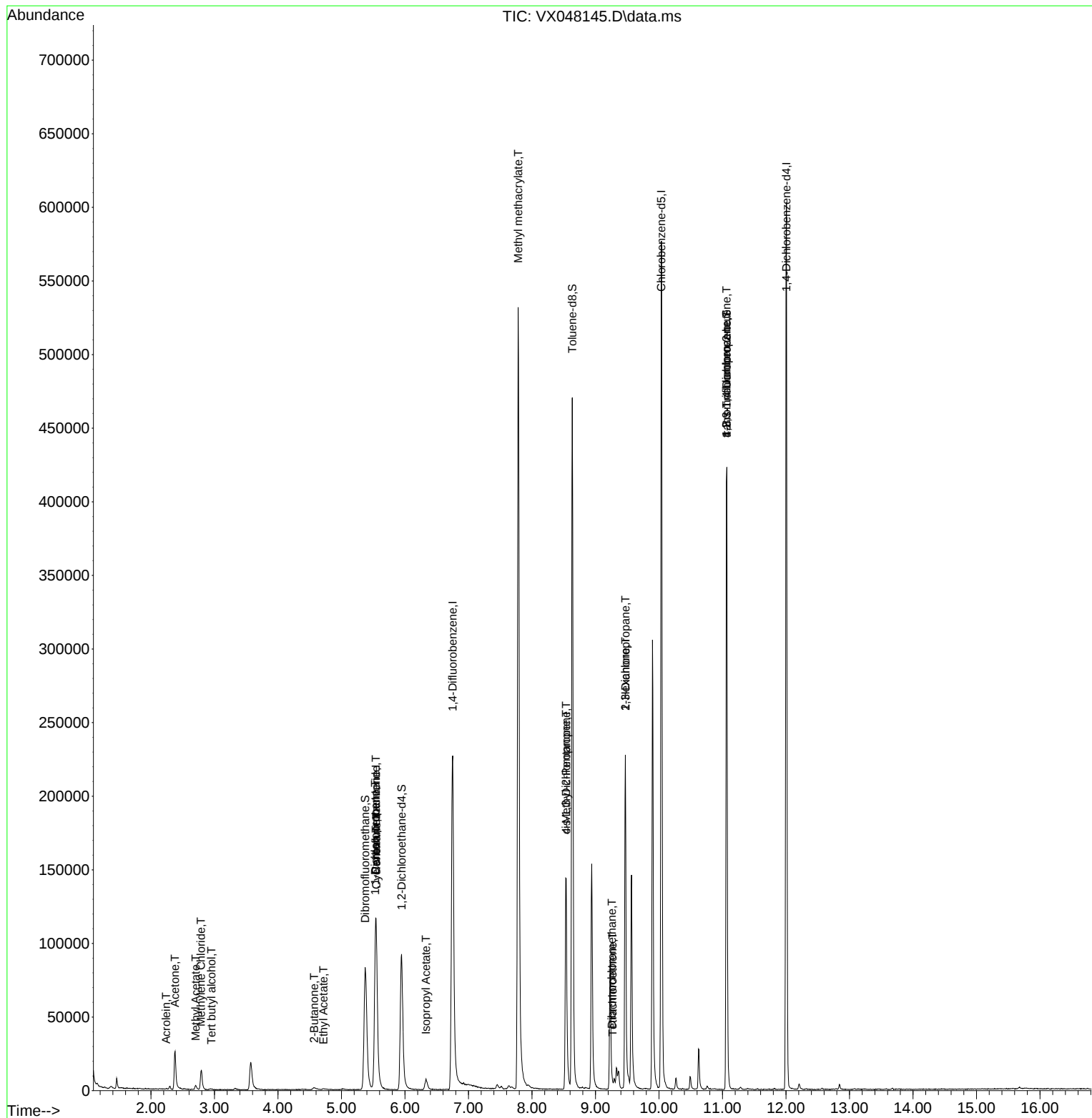
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	117555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	241874	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	256421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	99821	53.347	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.700%
35) Dibromofluoromethane	5.373	113	81505	50.245	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.500%
50) Toluene-d8	8.635	98	285803	50.919	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.840%
62) 4-Bromofluorobenzene	11.061	95	120716	56.669	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.340%
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	326	1.564	ug/l #	72
13) Acrolein	2.239	56	65	0.338	ug/l #	1
16) Acetone	2.380	43	34742	42.702	ug/l	100
18) Methyl Acetate	2.703	43	4580	2.529	ug/l #	87
20) Methylene Chloride	2.788	84	6556	3.807	ug/l	93
25) 2-Butanone	4.568	43	3382	3.332	ug/l #	89
31) Cyclohexane	5.550	56	2371	0.959	ug/l #	5
36) 1,1-Dichloropropene	5.532	75	10074	4.250	ug/l #	51
37) Ethyl Acetate	4.715	43	1596	0.629	ug/l #	74
38) Carbon Tetrachloride	5.544	117	12835	4.984	ug/l #	18
43) Isopropyl Acetate	6.330	43	11094	2.665	ug/l	97
48) Methyl methacrylate	7.781	41	53861	25.978	ug/l #	47
51) 4-Methyl-2-Pentanone	8.537	43	58120	25.184	ug/l #	51
54) cis-1,3-Dichloropropene	8.537	75	25811	8.552	ug/l #	63
57) 1,3-Dichloropropane	9.470	76	2097	0.714	ug/l #	42
59) 2-Hexanone	9.470	43	29377	17.724	ug/l #	53
60) Dibromochloromethane	9.257	129	422	0.214	ug/l #	11
64) Tetrachloroethene	9.269	164	424	0.254	ug/l #	66
76) 1,2,3-Trichloropropane	11.061	75	64270	24.866	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	64270	63.412	ug/l #	8

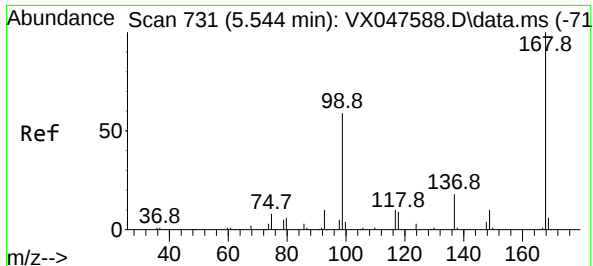
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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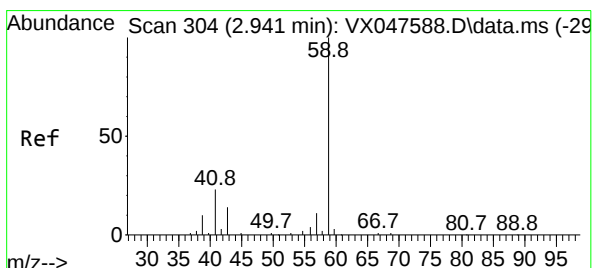
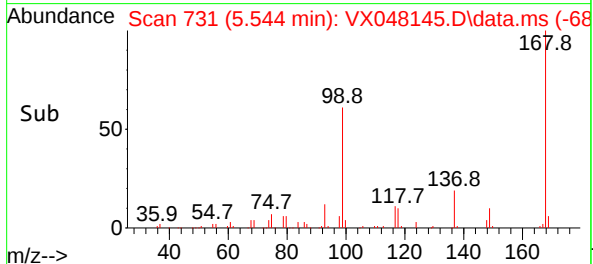
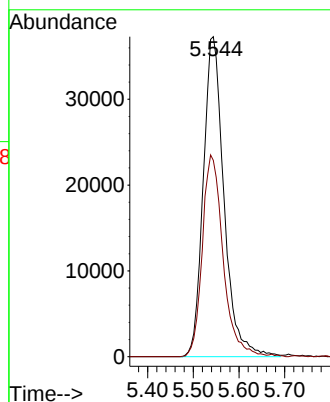
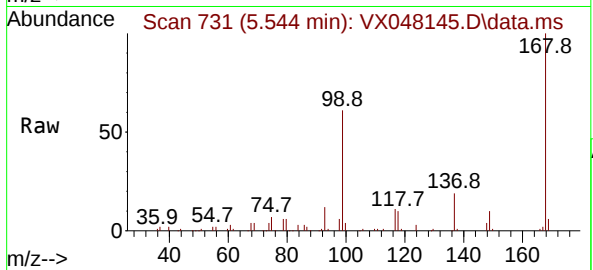




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

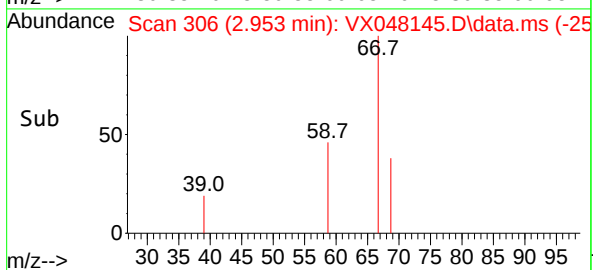
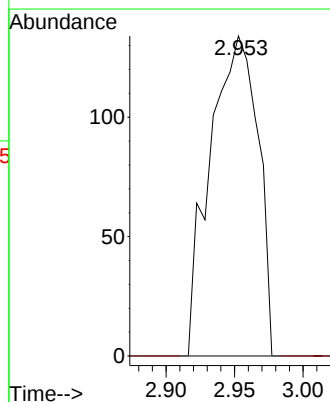
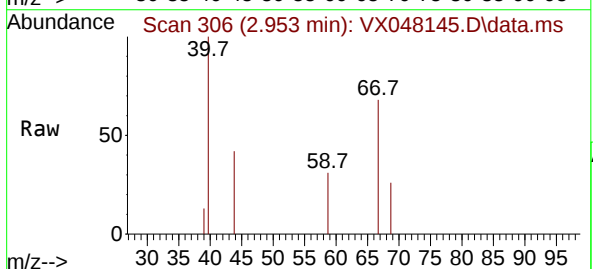
Instrument :
MSVOA_X
ClientSampleId :
TP-2

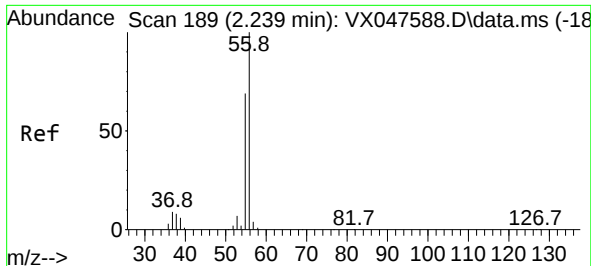
Tgt Ion:168 Resp: 117555
Ion Ratio Lower Upper
168 100
99 61.3 48.8 73.2



#11
Tert butyl alcohol
Concen: 1.564 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

Tgt Ion: 59 Resp: 326
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

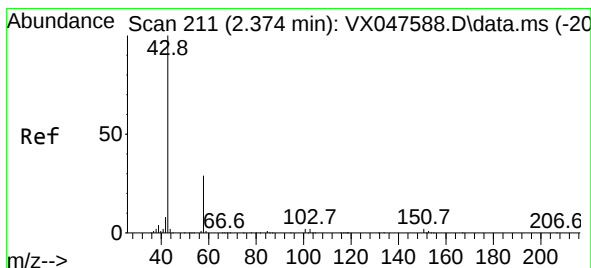
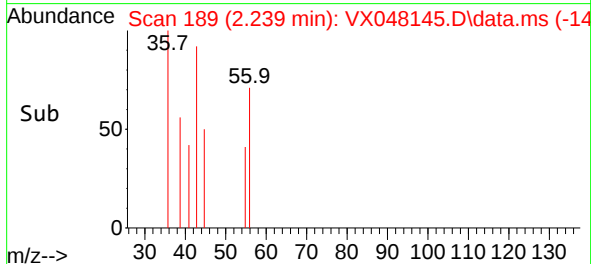
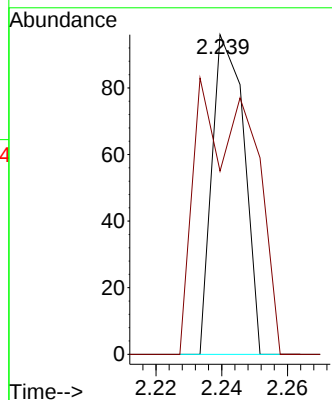
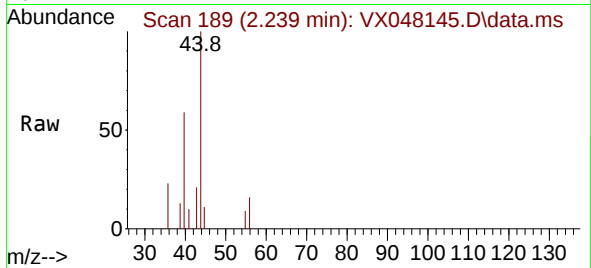




#13
Acrolein
Concen: 0.338 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

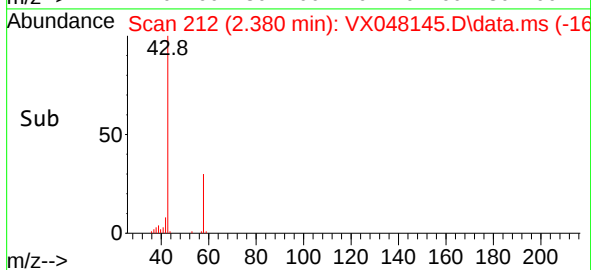
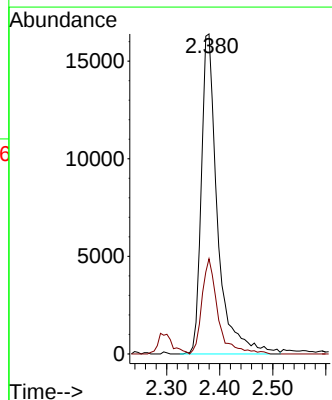
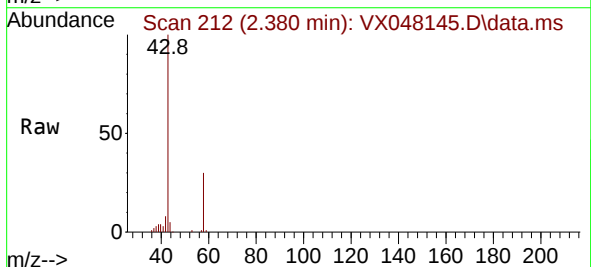
Instrument :
MSVOA_X
ClientSampleId :
TP-2

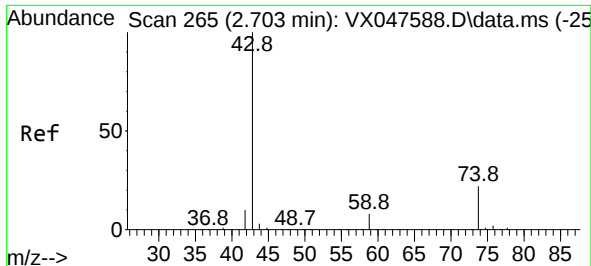
Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 153.8 57.2 85.8#



#16
Acetone
Concen: 42.702 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

Tgt Ion: 43 Resp: 34742
Ion Ratio Lower Upper
43 100
58 29.1 23.4 35.0

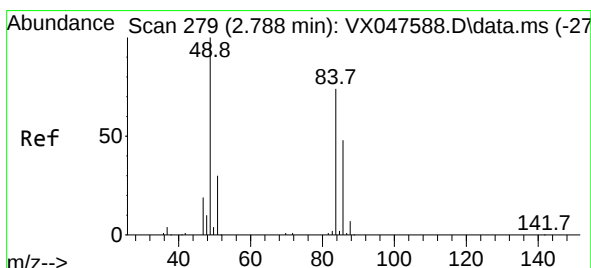
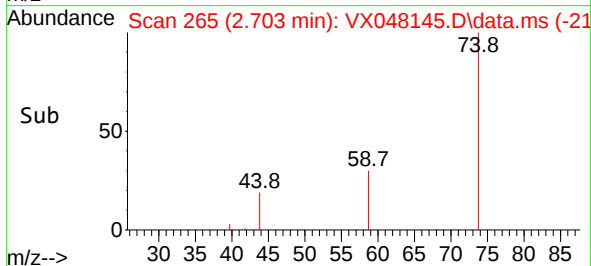
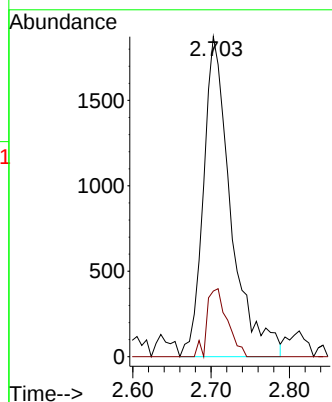
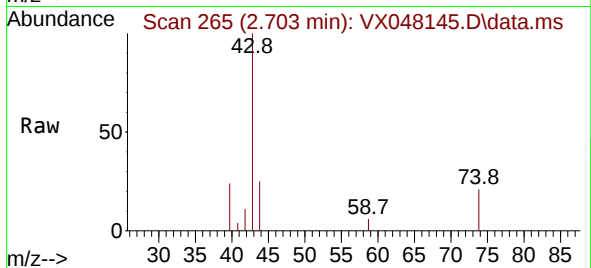




#18
Methyl Acetate
Concen: 2.529 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

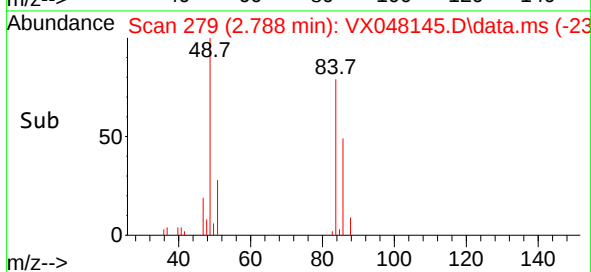
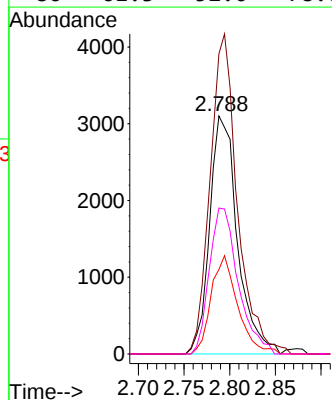
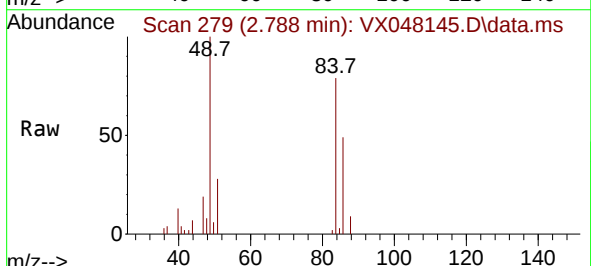
Instrument :
MSVOA_X
ClientSampleId :
TP-2

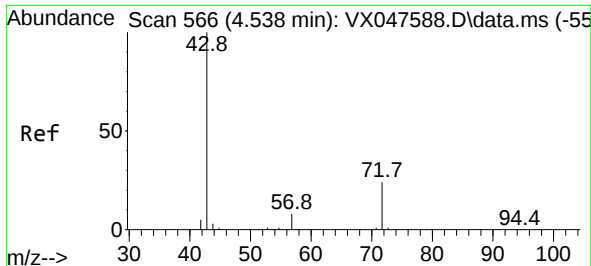
Tgt Ion: 43 Resp: 4580
Ion Ratio Lower Upper
43 100
74 15.6 17.4 26.2#



#20
Methylene Chloride
Concen: 3.807 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

Tgt Ion: 84 Resp: 6556
Ion Ratio Lower Upper
84 100
49 126.2 108.6 162.8
51 35.5 32.6 48.8
86 61.3 52.0 78.0





#25

2-Butanone

Concen: 3.332 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX048145.D

Acq: 13 Oct 2025 16:11

Instrument :

MSVOA_X

ClientSampleId :

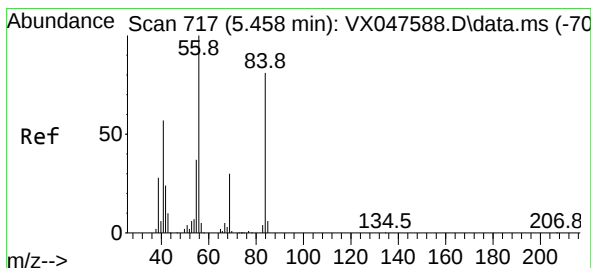
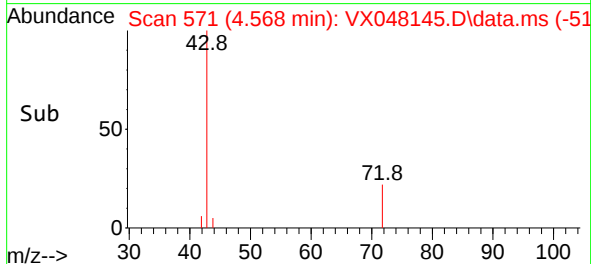
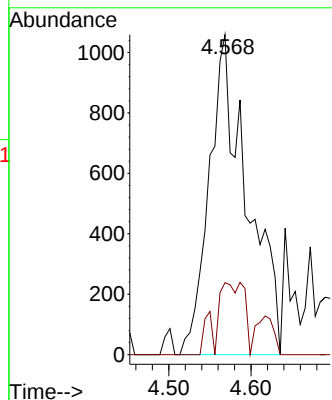
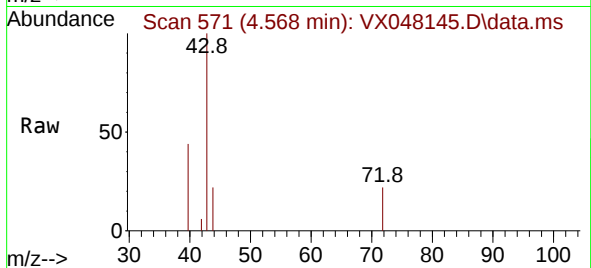
TP-2

Tgt Ion: 43 Resp: 3382

Ion Ratio Lower Upper

43 100

72 30.7 20.1 30.1#



#31

Cyclohexane

Concen: 0.959 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.091 min

Lab File: VX048145.D

Acq: 13 Oct 2025 16:11

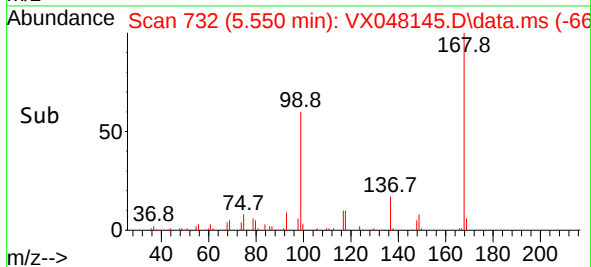
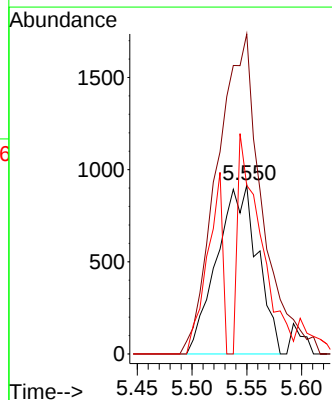
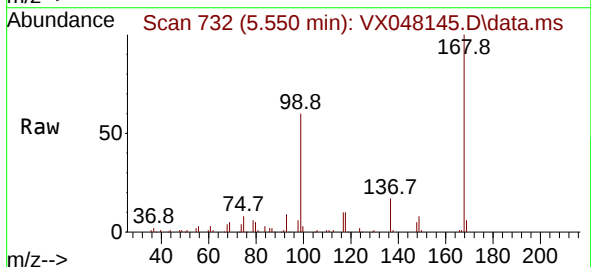
Tgt Ion: 56 Resp: 2371

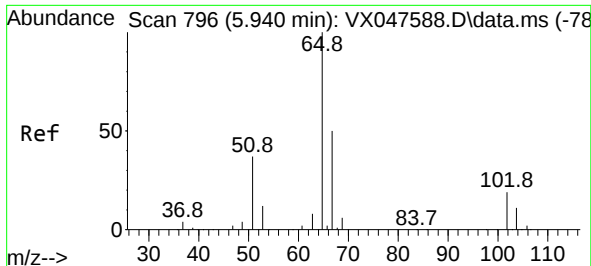
Ion Ratio Lower Upper

56 100

69 189.7 23.8 35.8#

84 99.9 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 53.347 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048145.D

Acq: 13 Oct 2025 16:11

Instrument :

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ClientSampleId :

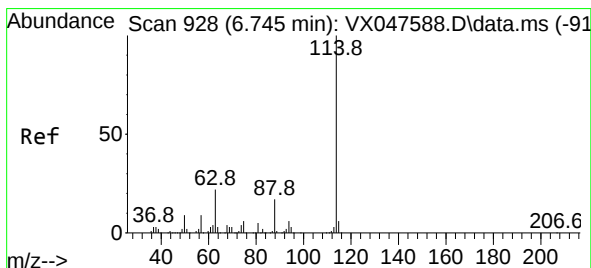
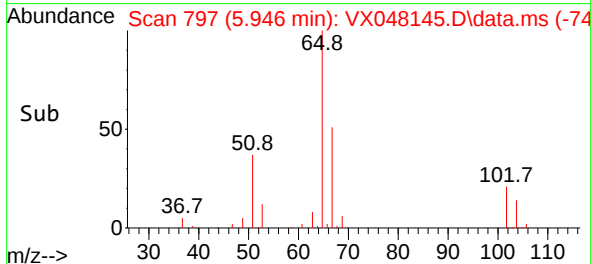
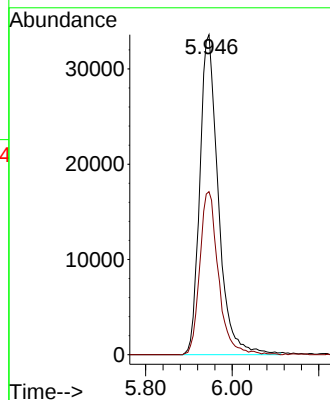
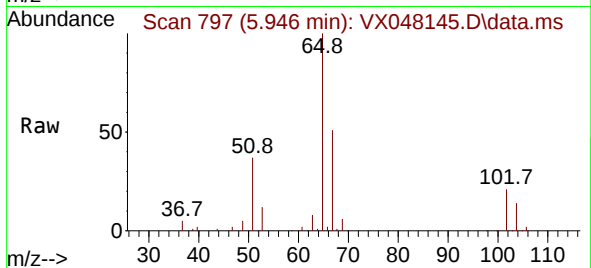
TP-2

Tgt Ion: 65 Resp: 99821

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048145.D

Acq: 13 Oct 2025 16:11

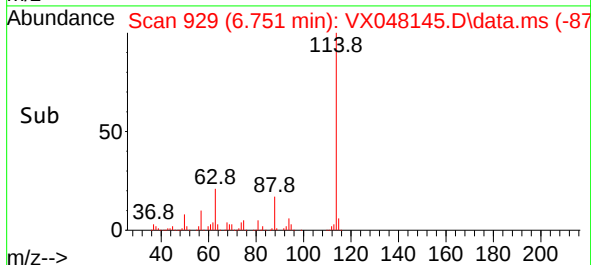
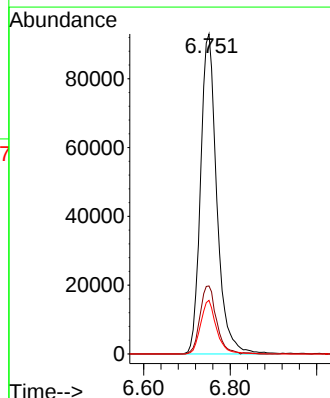
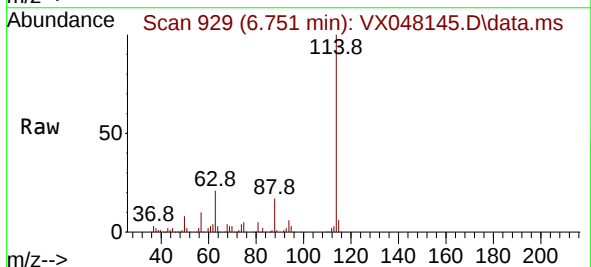
Tgt Ion: 114 Resp: 241874

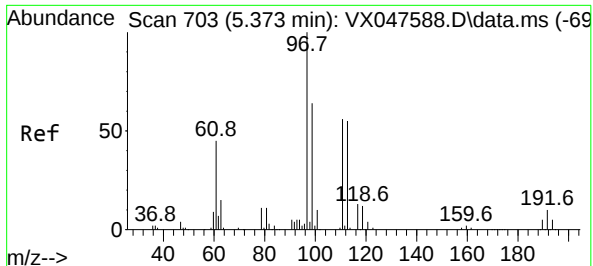
Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.0

88 16.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 50.245 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048145.D

Acq: 13 Oct 2025 16:11

Instrument :

MSVOA_X

ClientSampleId :

TP-2

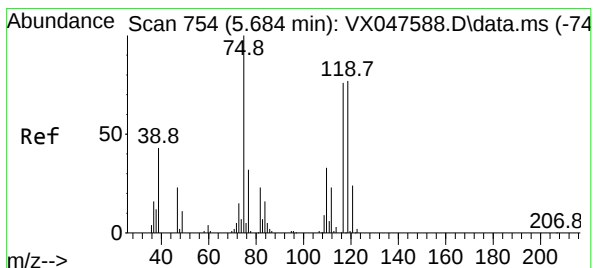
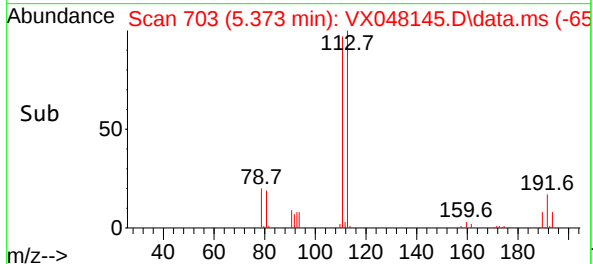
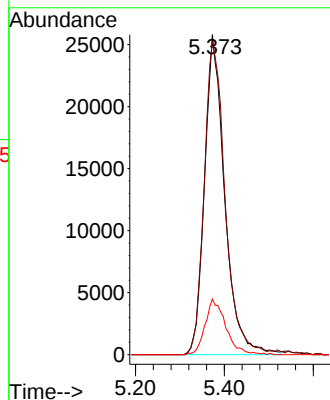
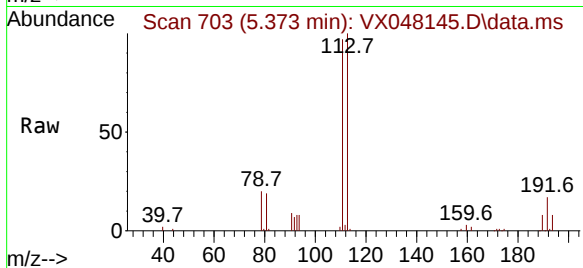
Tgt Ion:113 Resp: 81505

Ion Ratio Lower Upper

113 100

111 101.3 80.9 121.3

192 17.8 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.250 ug/l

RT: 5.532 min Scan# 729

Delta R.T. -0.152 min

Lab File: VX048145.D

Acq: 13 Oct 2025 16:11

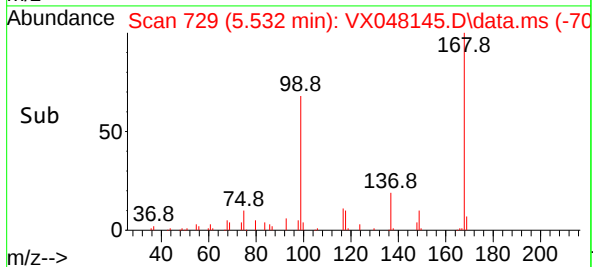
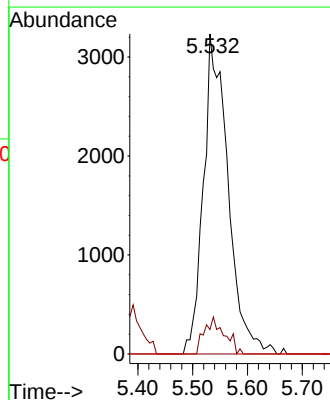
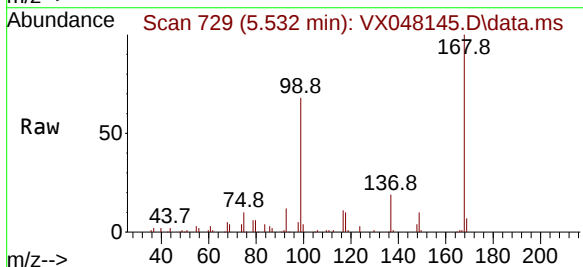
Tgt Ion: 75 Resp: 10074

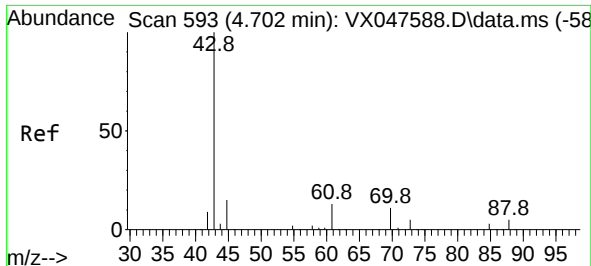
Ion Ratio Lower Upper

75 100

110 9.4 16.7 50.1#

77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 0.629 ug/l

RT: 4.715 min Scan# 593

Delta R.T. 0.012 min

Lab File: VX048145.D

Acq: 13 Oct 2025 16:11

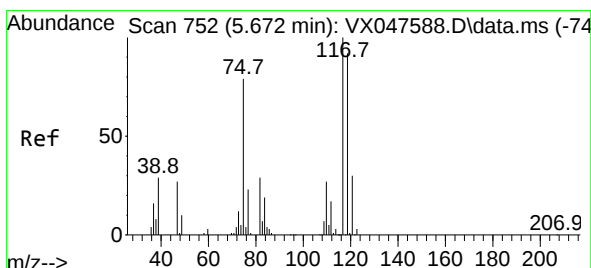
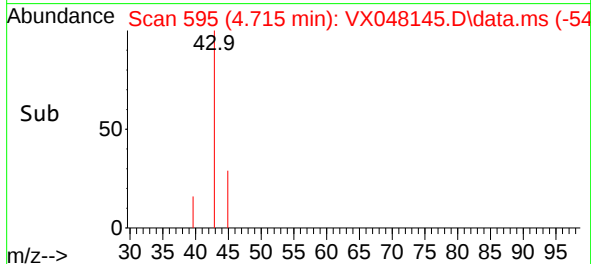
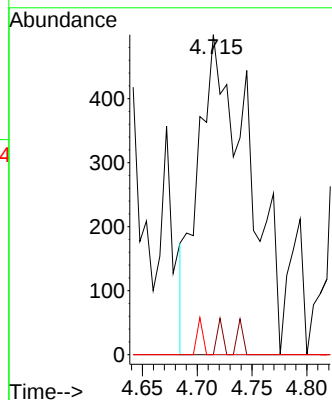
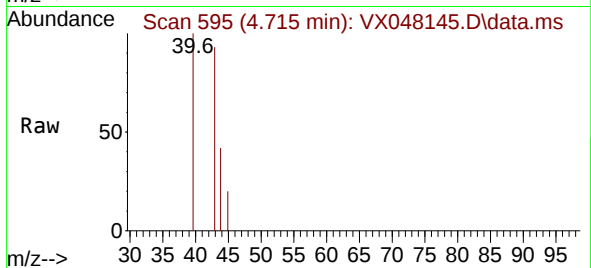
Instrument :

MSVOA_X

ClientSampleId :

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Tgt Ion:	43	Resp:	1596
Ion	Ratio	Lower	Upper
43	100		
61	1.3	9.8	14.8#
70	1.3	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 4.984 ug/l

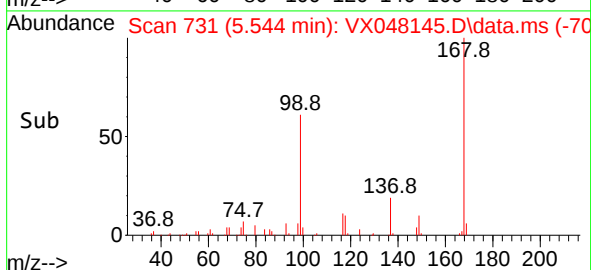
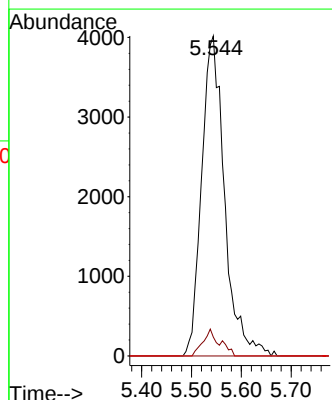
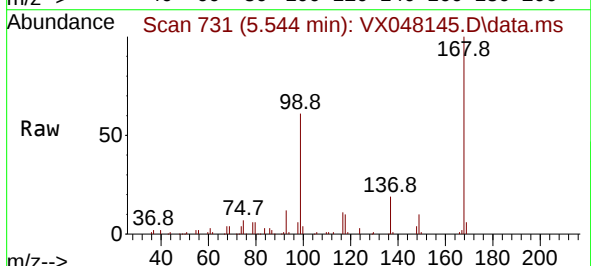
RT: 5.544 min Scan# 731

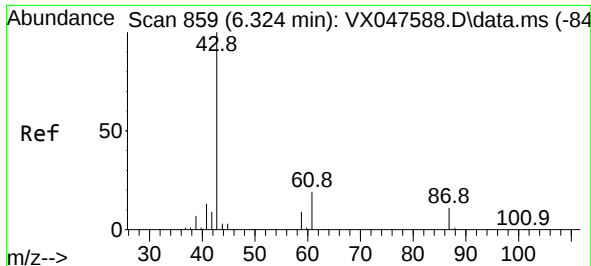
Delta R.T. -0.128 min

Lab File: VX048145.D

Acq: 13 Oct 2025 16:11

Tgt Ion:	117	Resp:	12835
Ion	Ratio	Lower	Upper
117	100		
119	5.9	73.4	110.2#
121	0.0	23.8	35.6#

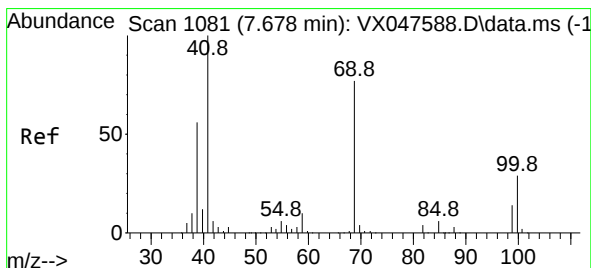
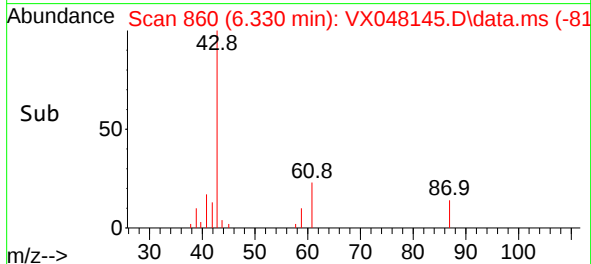
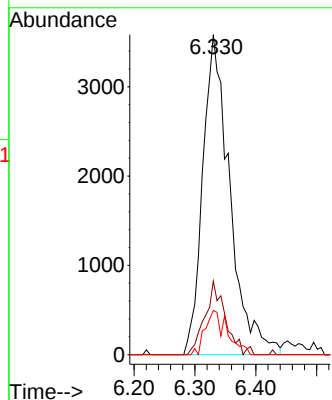
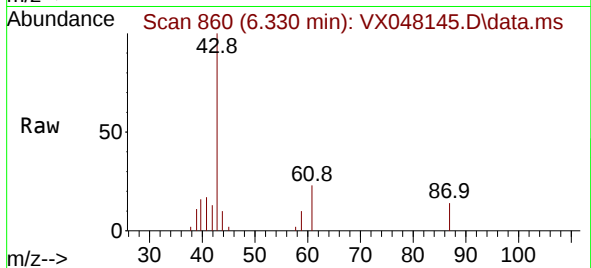




#43
Isopropyl Acetate
Concen: 2.665 ug/l
RT: 6.330 min Scan# 810
Delta R.T. 0.006 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

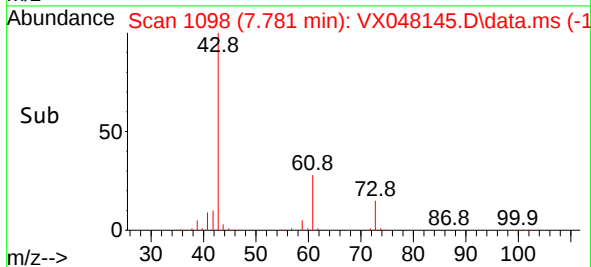
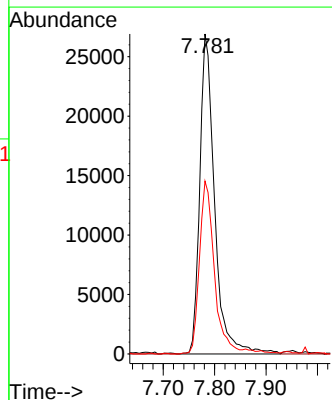
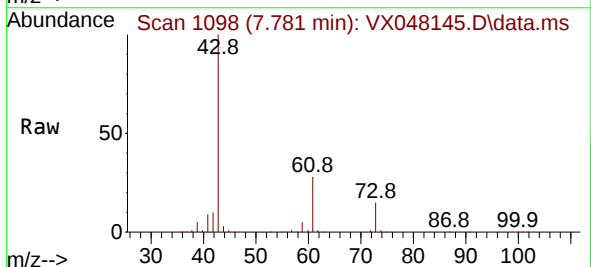
Instrument :
MSVOA_X
ClientSampleId :
TP-2

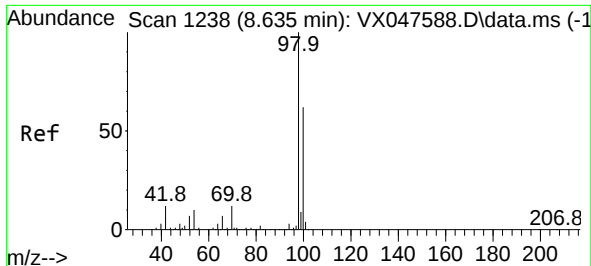
Tgt Ion: 43 Resp: 11094
Ion Ratio Lower Upper
43 100
61 17.4 15.2 22.8
87 11.2 9.6 14.4



#48
Methyl methacrylate
Concen: 25.978 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.104 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

Tgt Ion: 41 Resp: 53861
Ion Ratio Lower Upper
41 100
69 0.0 61.4 92.2#
39 54.2 45.8 68.6

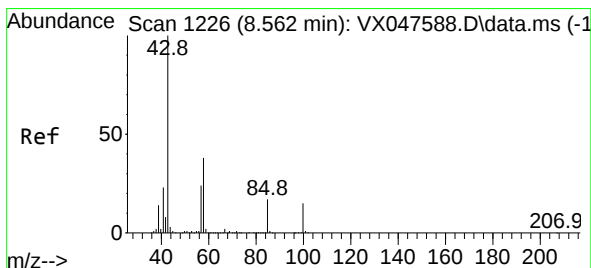
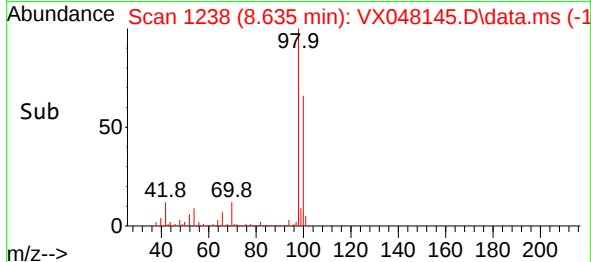
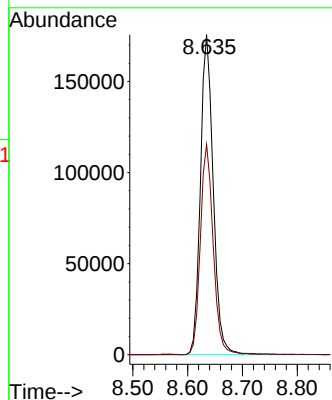
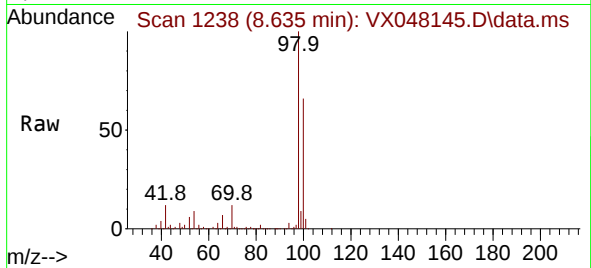




#50
Toluene-d8
Concen: 50.919 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

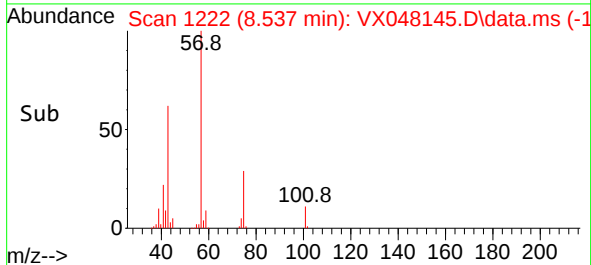
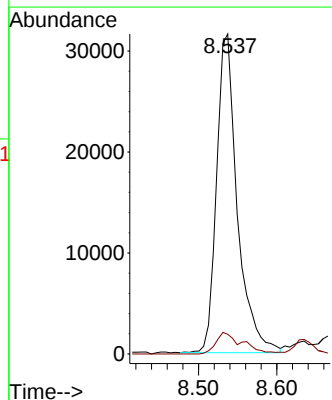
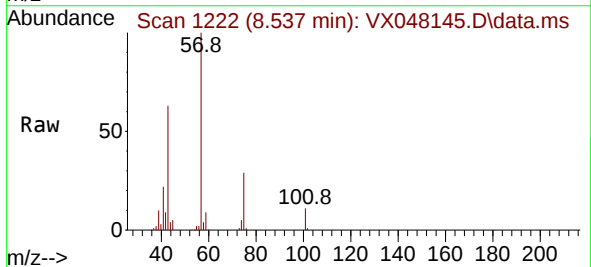
Instrument :
MSVOA_X
ClientSampleId :
TP-2

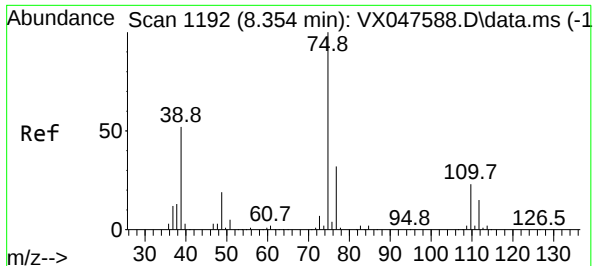
Tgt Ion: 98 Resp: 285803
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 25.184 ug/l
RT: 8.537 min Scan# 1222
Delta R.T. -0.024 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

Tgt Ion: 43 Resp: 58120
Ion Ratio Lower Upper
43 100
58 8.6 30.3 45.5#

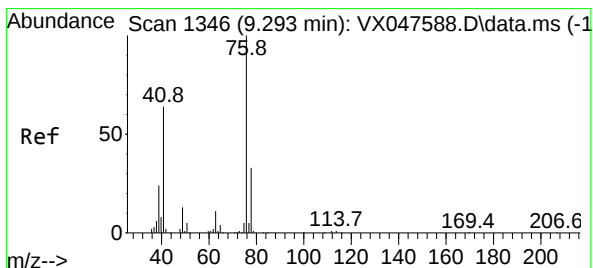
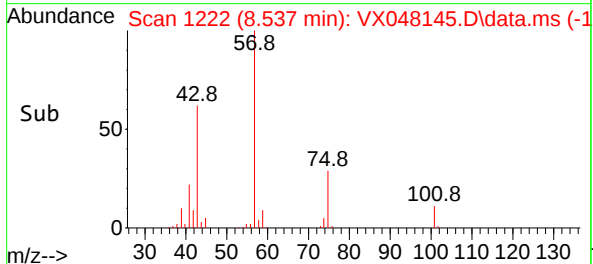
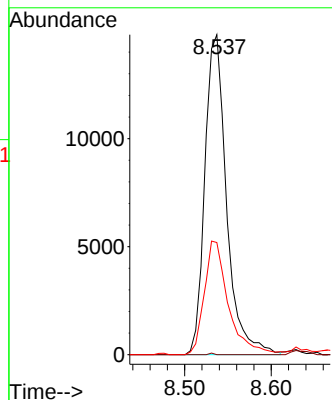
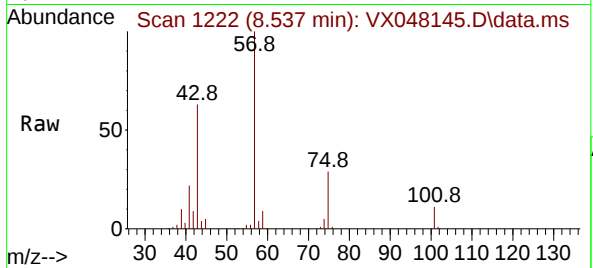




#54
 cis-1,3-Dichloropropene
 Concen: 8.552 ug/l
 RT: 8.537 min Scan# 1192
 Delta R.T. 0.183 min
 Lab File: VX048145.D
 Acq: 13 Oct 2025 16:11

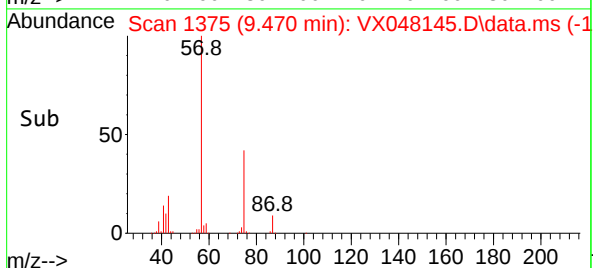
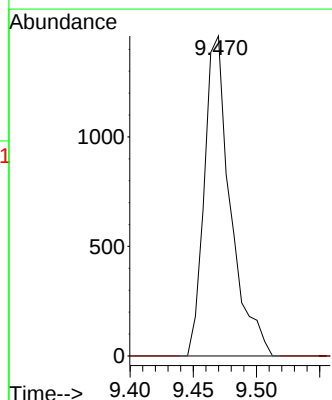
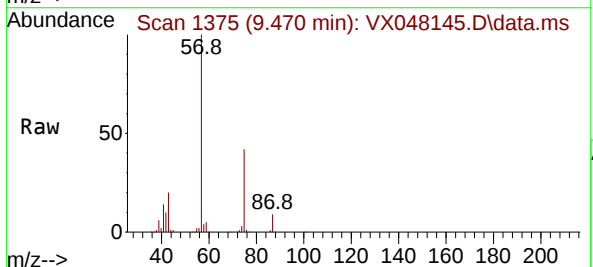
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

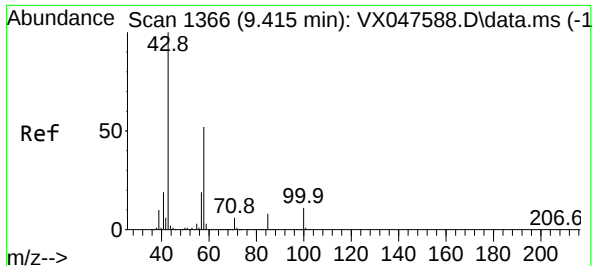
Tgt Ion: 75 Resp: 25811
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#
 39 35.1 41.4 62.2#



#57
 1,3-Dichloropropane
 Concen: 0.714 ug/l
 RT: 9.470 min Scan# 1375
 Delta R.T. 0.177 min
 Lab File: VX048145.D
 Acq: 13 Oct 2025 16:11

Tgt Ion: 76 Resp: 2097
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

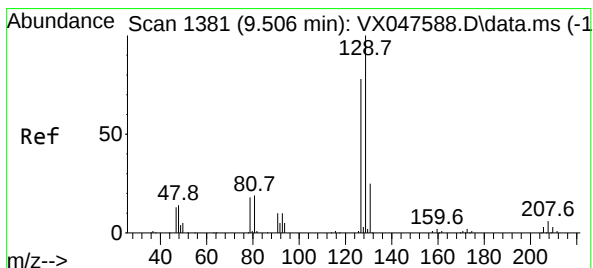
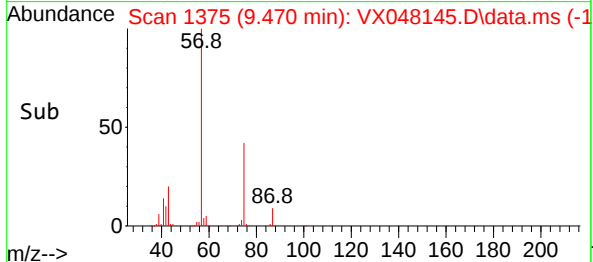
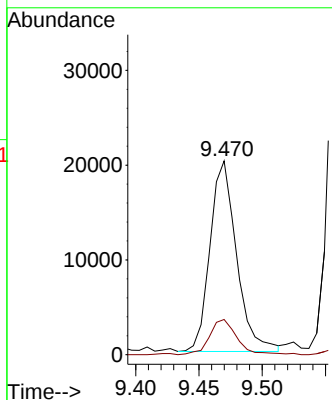
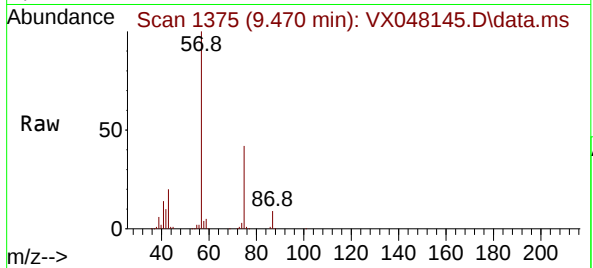




#59
2-Hexanone
Concen: 17.724 ug/l
RT: 9.470 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

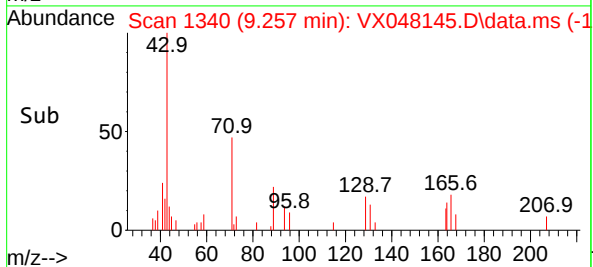
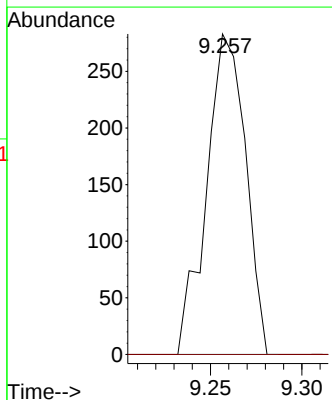
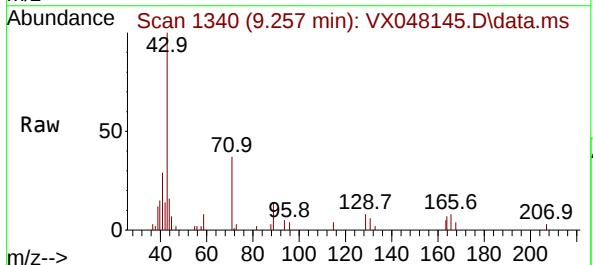
Instrument :
MSVOA_X
ClientSampleId :
TP-2

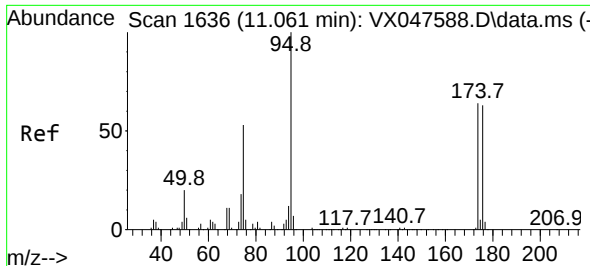
Tgt Ion: 43 Resp: 29377
Ion Ratio Lower Upper
43 100
58 19.0 26.1 78.2#



#60
Dibromochloromethane
Concen: 0.214 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

Tgt Ion: 129 Resp: 422
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

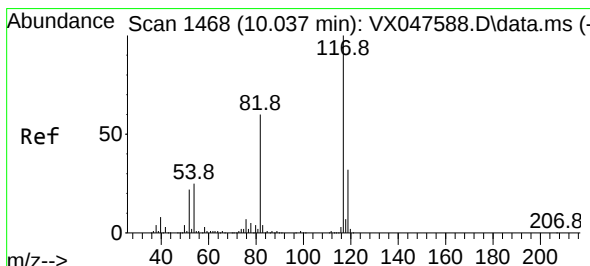
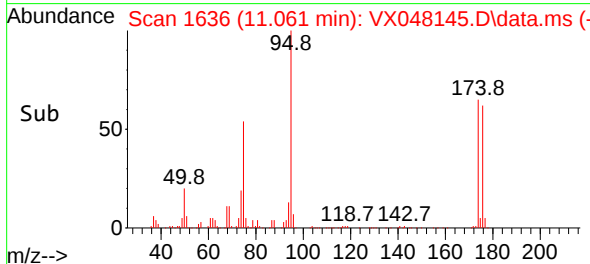
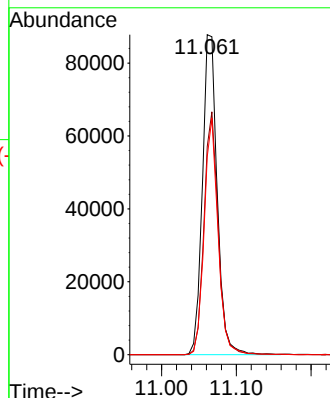
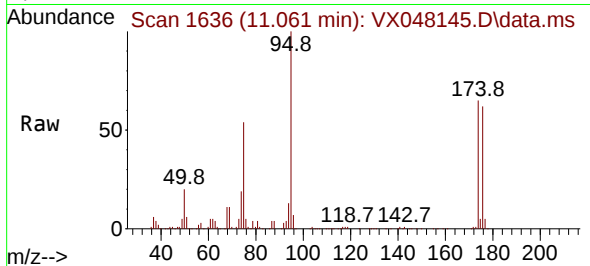




#62
4-Bromofluorobenzene
Concen: 56.669 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

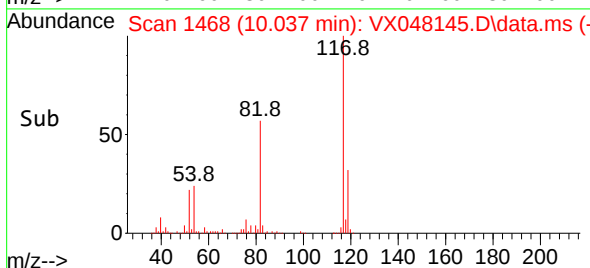
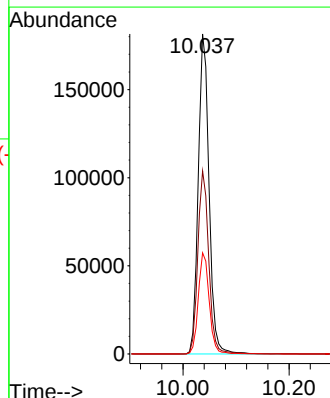
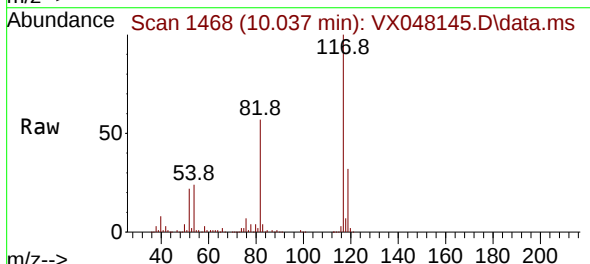
Instrument :
MSVOA_X
ClientSampleId :
TP-2

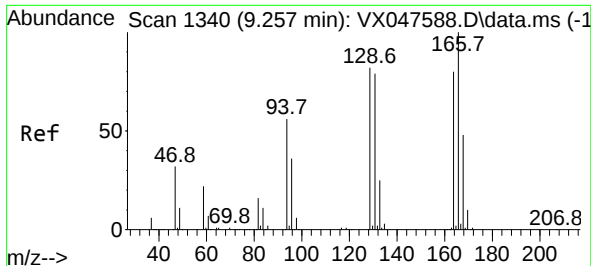
Tgt Ion: 95 Resp: 120716
Ion Ratio Lower Upper
95 100
174 72.9 0.0 141.6
176 69.3 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

Tgt Ion: 117 Resp: 256421
Ion Ratio Lower Upper
117 100
82 57.2 47.8 71.6
119 31.6 25.2 37.8

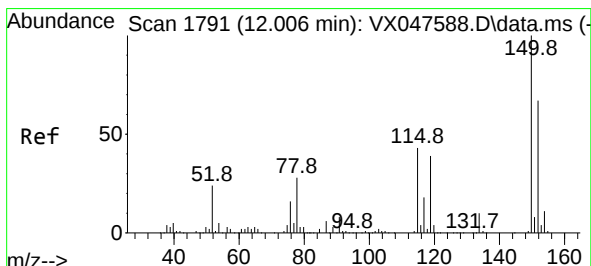
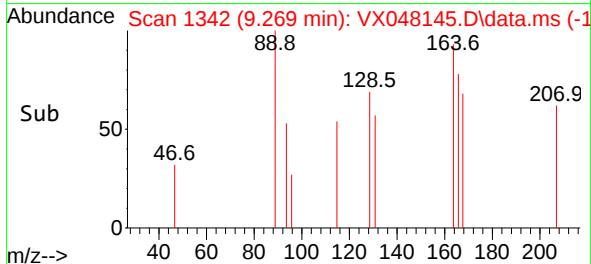
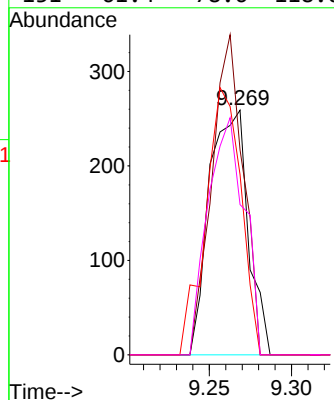
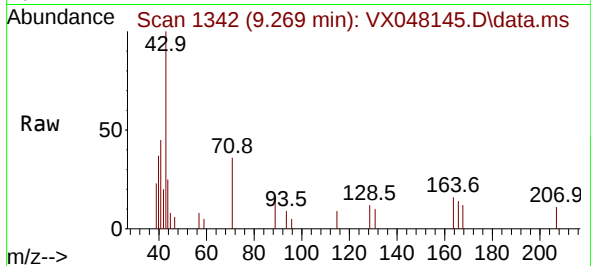




#64
Tetrachloroethene
Concen: 0.254 ug/l
RT: 9.269 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

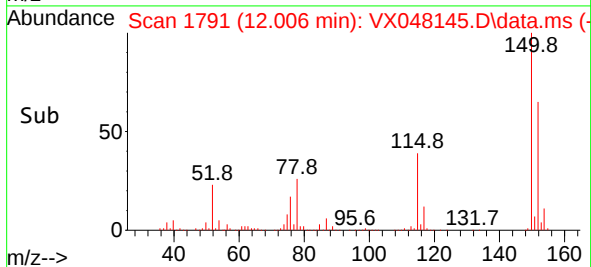
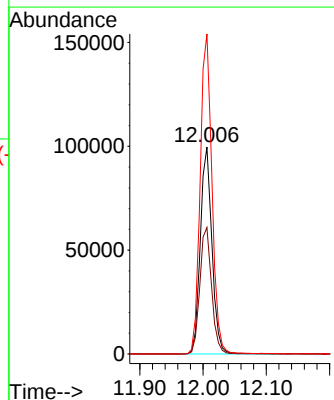
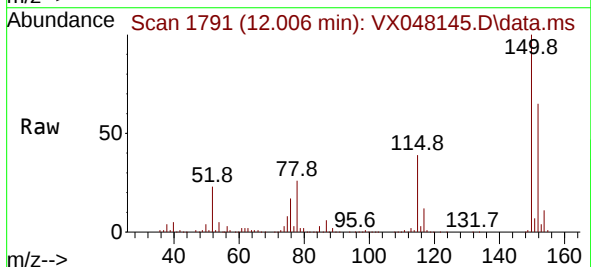
Instrument :
MSVOA_X
ClientSampleId :
TP-2

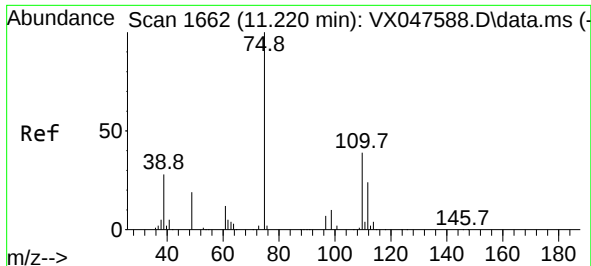
Tgt Ion:164 Resp: 424
Ion Ratio Lower Upper
164 100
166 83.8 100.2 150.2#
129 73.7 81.8 122.6#
131 61.4 78.6 118.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

Tgt Ion:152 Resp: 127657
Ion Ratio Lower Upper
152 100
115 62.0 44.9 134.5
150 156.5 0.0 352.0

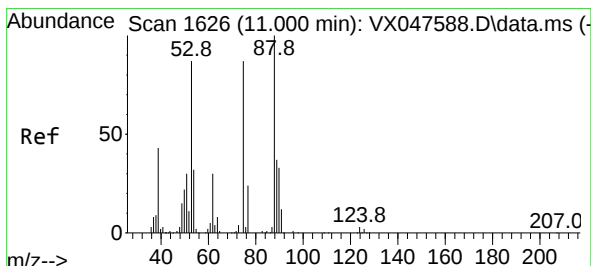
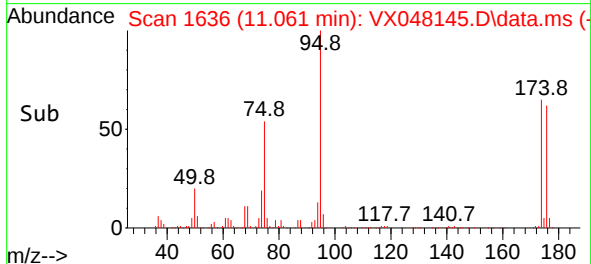
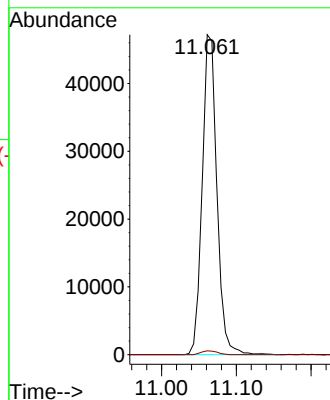
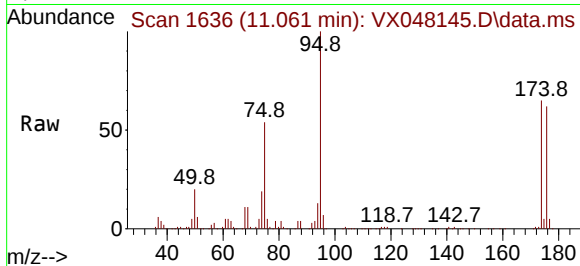




#76
1,2,3-Trichloropropane
Concen: 24.866 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Tgt Ion: 75 Resp: 64270
Ion Ratio Lower Upper
75 100
77 1.3 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.412 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048145.D
Acq: 13 Oct 2025 16:11

Tgt Ion: 75 Resp: 64270
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

