

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080525\
 Data File : VX047235.D
 Acq On : 05 Aug 2025 15:10
 Operator : JC/MD
 Sample : Q2759-01ME
 Misc : 3.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOLID-DRUMSME

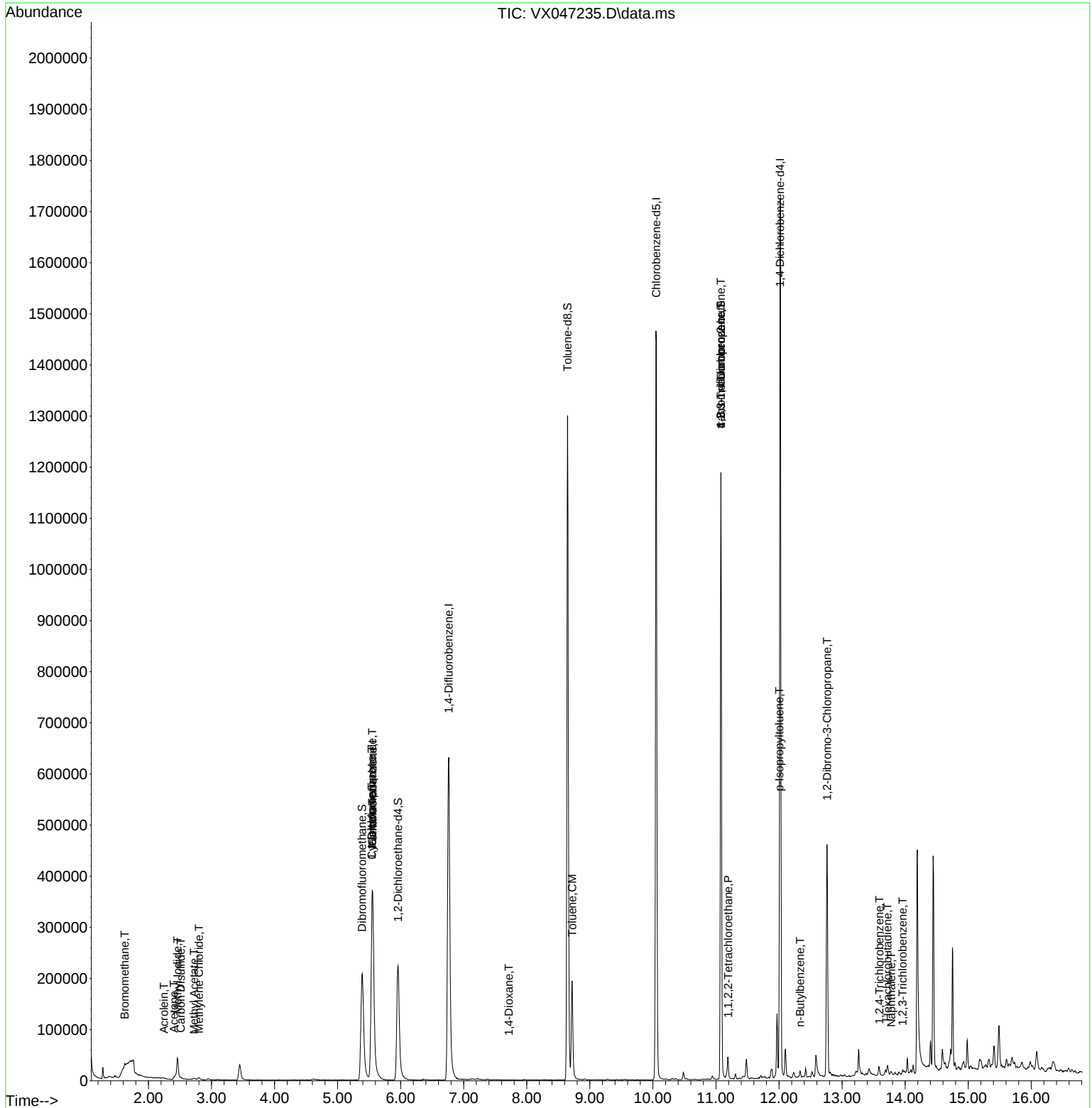
Quant Time: Aug 06 05:42:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	384882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	706137	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	680806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	339393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	247737	51.672	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	103.340%	
35) Dibromofluoromethane	5.385	113	209095	47.958	ug/l	-0.01
Spiked Amount	50.000	Range 75 - 124	Recovery	=	95.920%	
50) Toluene-d8	8.647	98	782612	55.428	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	110.860%	
62) 4-Bromofluorobenzene	11.079	95	324187	53.279	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	106.560%	
Target Compounds						
						Qvalue
5) Bromomethane	1.624	94	2076	0.703	ug/l	84
10) Methyl Iodide	2.459	142	46881	9.419	ug/l	97
11) Tert butyl alcohol	2.953	59	194	Below Cal	#	72
13) Acrolein	2.246	56	391	0.379	ug/l #	1
16) Acetone	2.404	43	10593	5.515	ug/l	96
17) Carbon Disulfide	2.514	76	3137	0.224	ug/l #	90
18) Methyl Acetate	2.721	43	2430	0.476	ug/l	97
20) Methylene Chloride	2.800	84	2035	0.385	ug/l #	96
31) Cyclohexane	5.544	56	8664	0.967	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	31685	4.263	ug/l #	51
38) Carbon Tetrachloride	5.550	117	40869	5.152	ug/l #	15
49) 1,4-Dioxane	7.714	88	23	0.348	ug/l #	1
52) Toluene	8.720	92	78748	5.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	1711	0.224	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	167719	26.698	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	167719	68.786	ug/l #	8
86) p-Isopropyltoluene	12.006	119	26989	1.173	ug/l	91
89) n-Butylbenzene	12.335	91	5476	0.254	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.762	75	8807	5.999	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.591	180	2086	0.271	ug/l	93
94) Hexachlorobutadiene	13.719	225	2221	0.848	ug/l	92
95) Naphthalene	13.780	128	4949	0.219	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	2138	0.288	ug/l	94

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

Quant Time: Aug 06 05:42:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

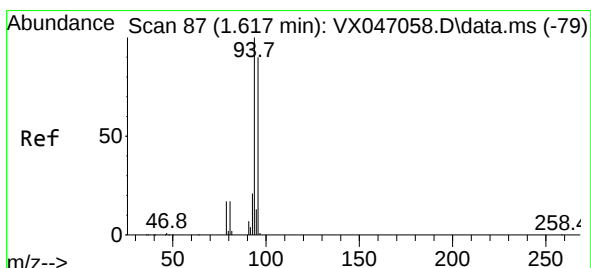
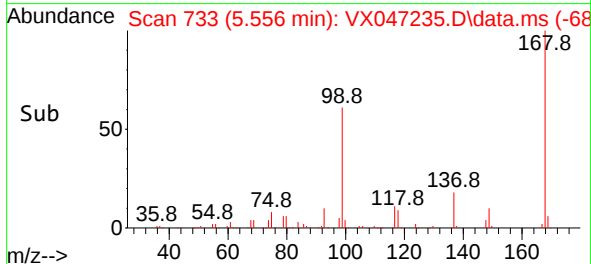
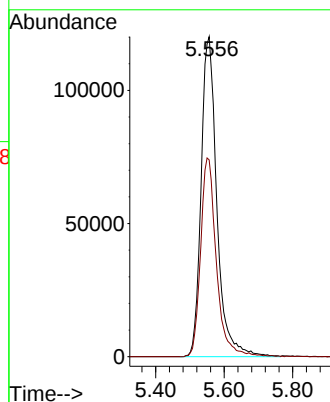
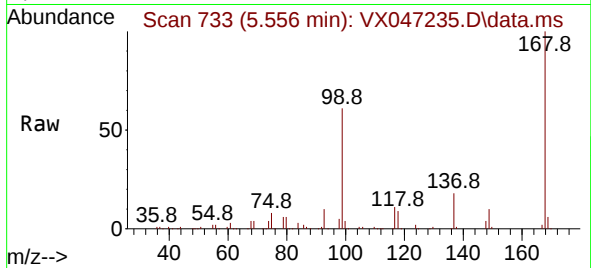




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

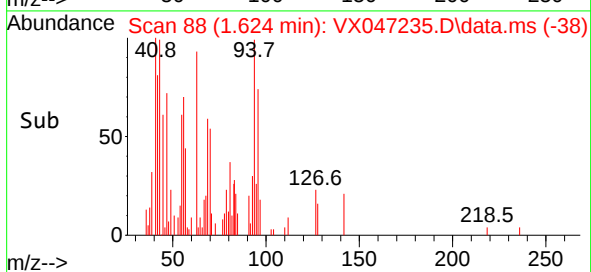
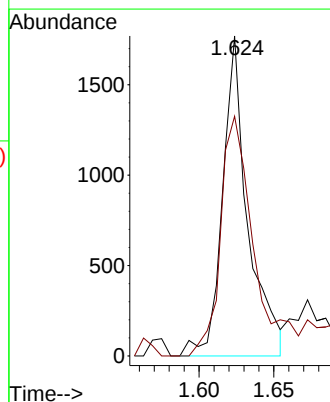
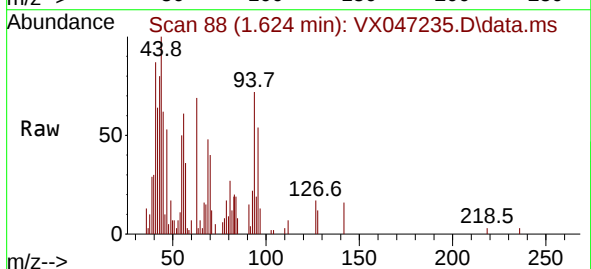
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMSME

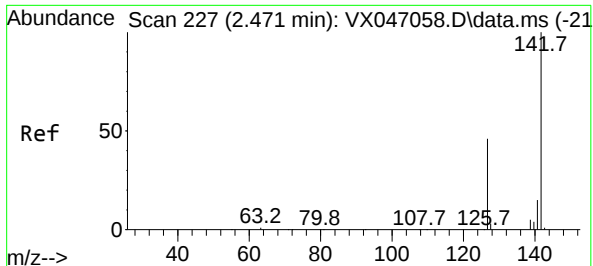
Tgt Ion:168 Resp: 384882
Ion Ratio Lower Upper
168 100
99 61.5 48.0 72.0



#5
Bromomethane
Concen: 0.703 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.007 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

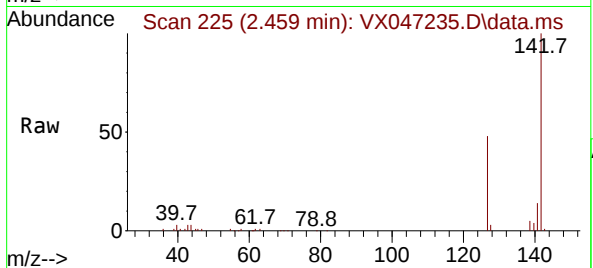
Tgt Ion: 94 Resp: 2076
Ion Ratio Lower Upper
94 100
96 74.9 72.3 108.5



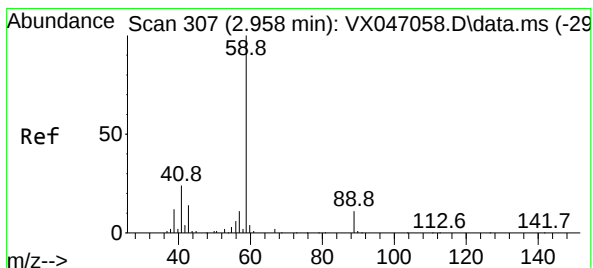
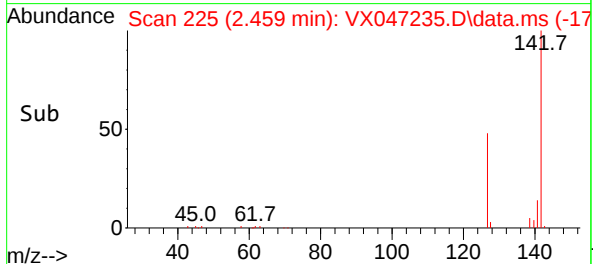
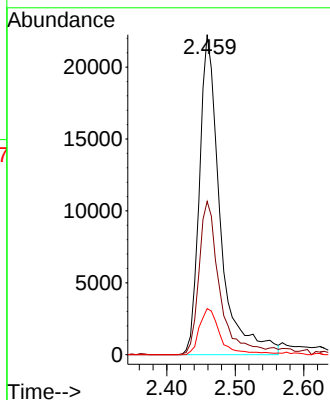


#10
Methyl Iodide
Concen: 9.419 ug/l
RT: 2.459 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMSME

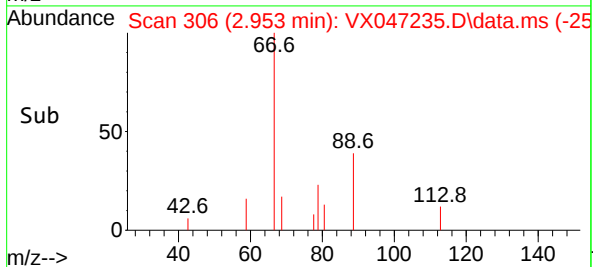
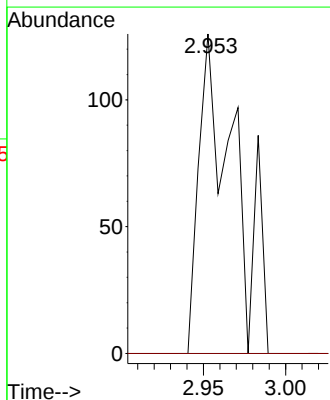
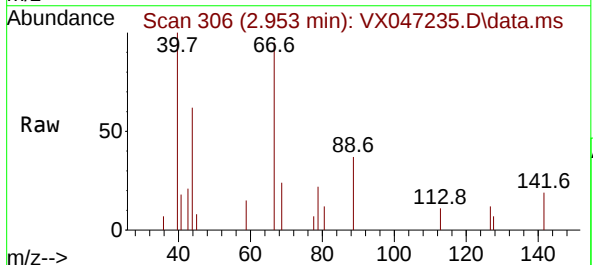


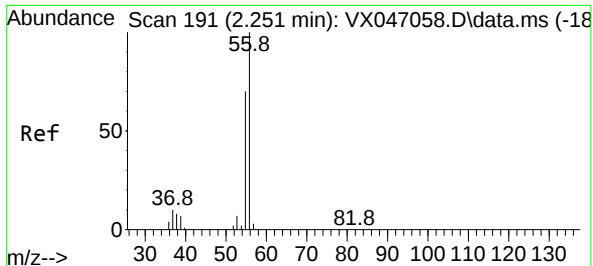
Tgt Ion:142 Resp: 46881
Ion Ratio Lower Upper
142 100
127 47.7 36.6 54.8
141 14.6 10.9 16.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

Tgt Ion: 59 Resp: 194
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

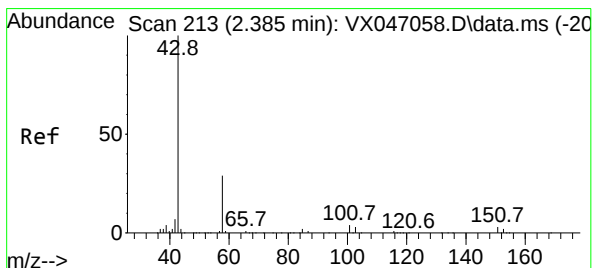
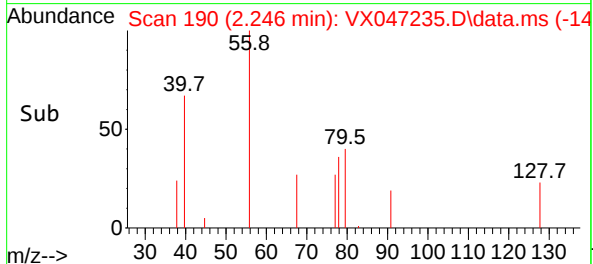
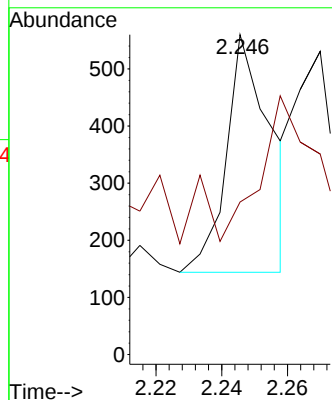
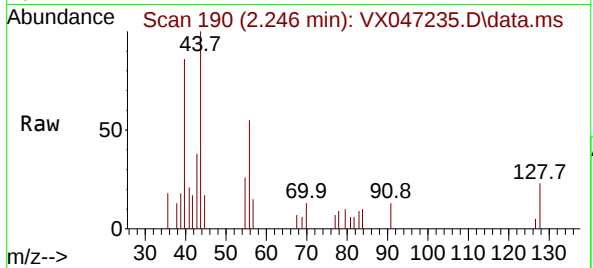




#13
Acrolein
Concen: 0.379 ug/l
RT: 2.246 min Scan# 191
Delta R.T. -0.006 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

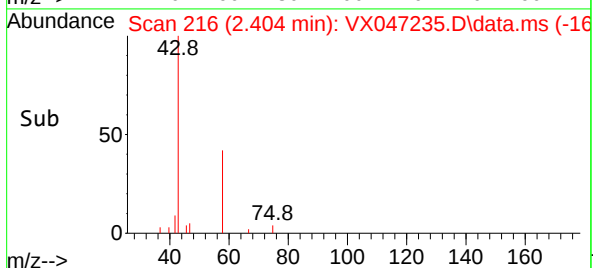
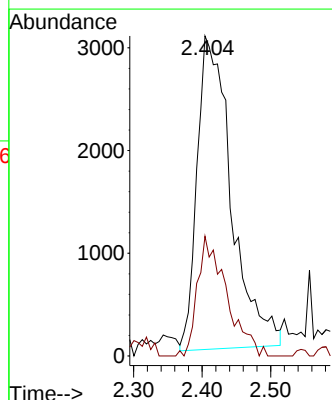
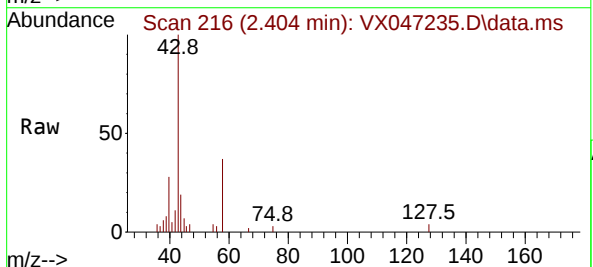
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMSME

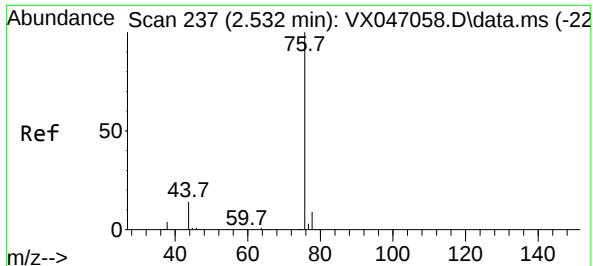
Tgt Ion: 56 Resp: 391
Ion Ratio Lower Upper
56 100
55 230.4 55.7 83.5#



#16
Acetone
Concen: 5.515 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.019 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

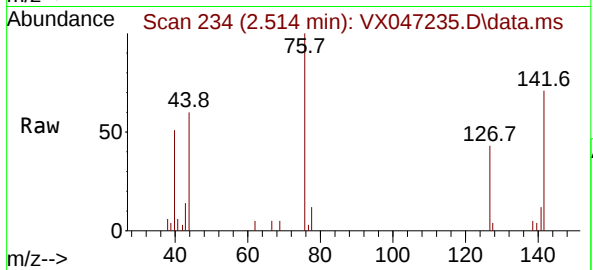
Tgt Ion: 43 Resp: 10593
Ion Ratio Lower Upper
43 100
58 32.4 24.0 36.0



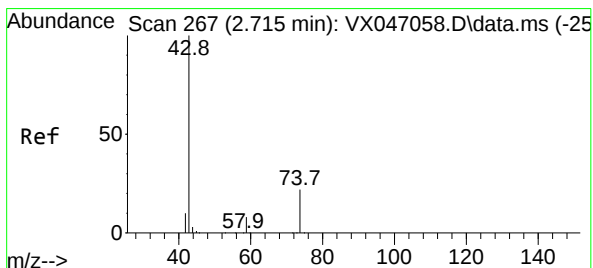
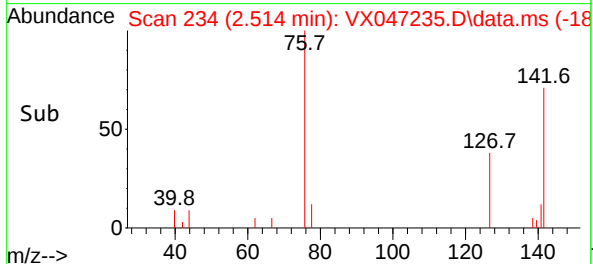
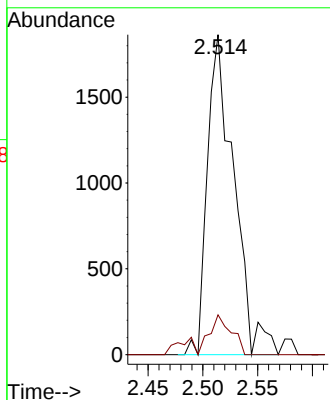


#17
Carbon Disulfide
Concen: 0.224 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.018 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMSME

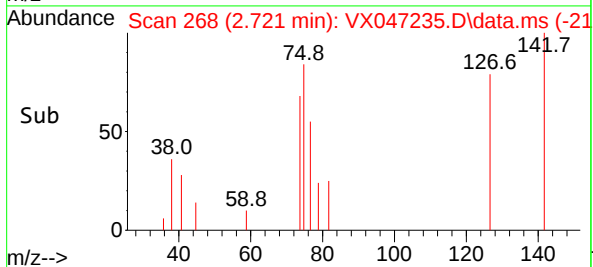
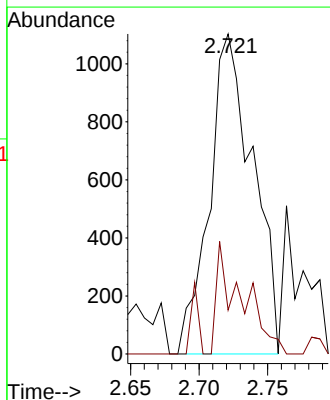
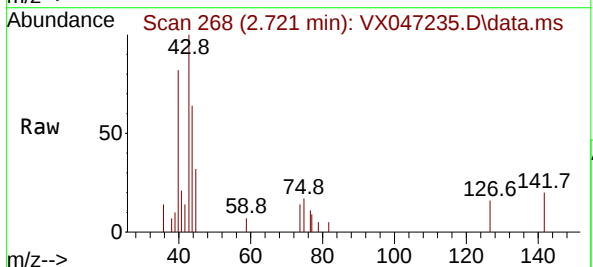


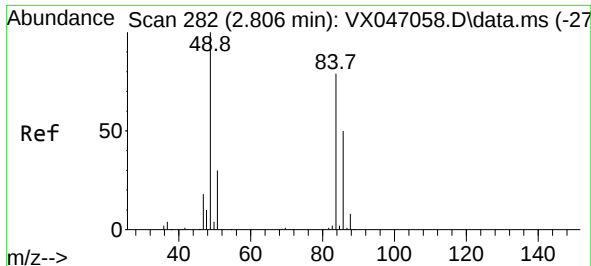
Tgt Ion: 76 Resp: 3137
Ion Ratio Lower Upper
76 100
78 12.4 7.0 10.4#



#18
Methyl Acetate
Concen: 0.476 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.007 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

Tgt Ion: 43 Resp: 2430
Ion Ratio Lower Upper
43 100
74 20.6 17.7 26.5

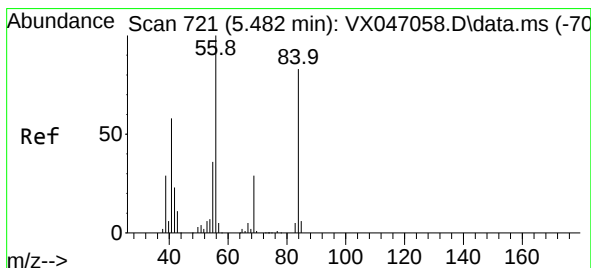
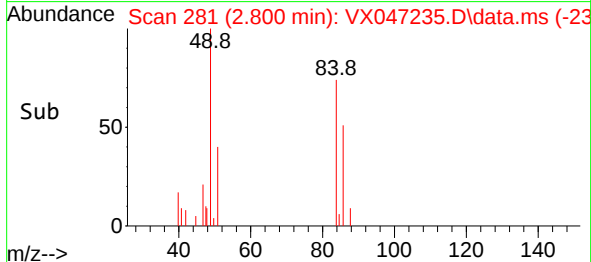
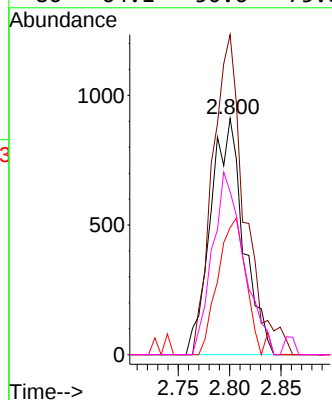
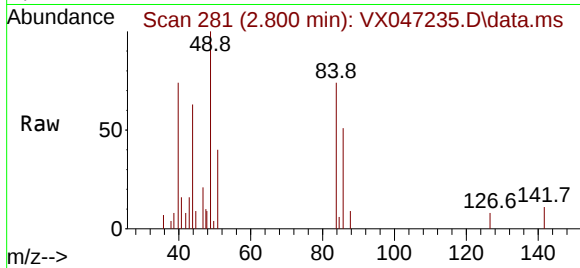




#20
Methylene Chloride
Concen: 0.385 ug/l
RT: 2.800 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

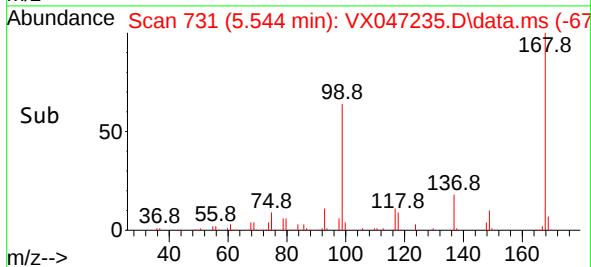
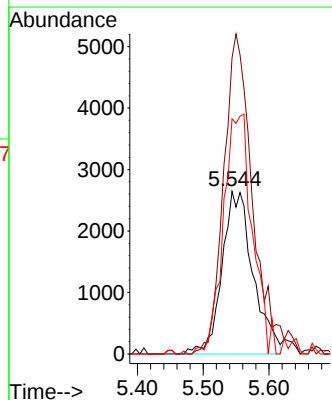
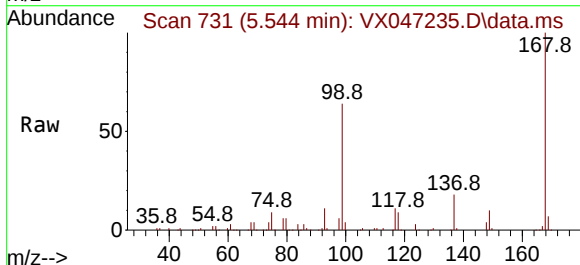
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMSME

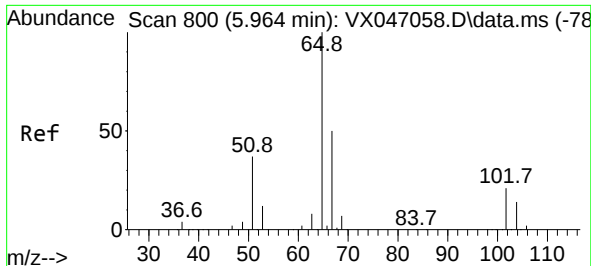
Tgt Ion:	84	Resp:	2035
Ion	Ratio	Lower	Upper
84	100		
49	125.8	101.6	152.4
51	49.9	30.3	45.5#
86	64.1	50.6	75.8



#31
Cyclohexane
Concen: 0.967 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.061 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

Tgt Ion:	56	Resp:	8664
Ion	Ratio	Lower	Upper
56	100		
69	182.2	23.3	34.9#
84	144.7	66.5	99.7#

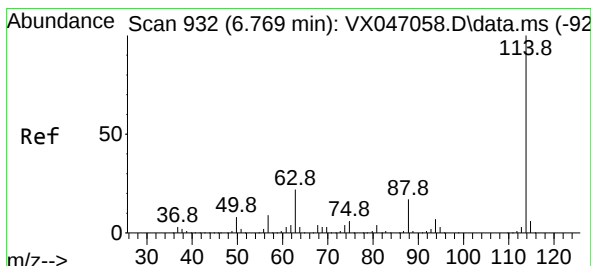
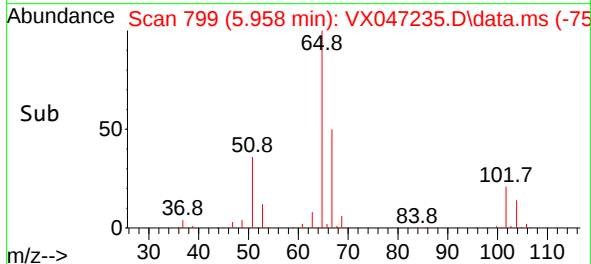
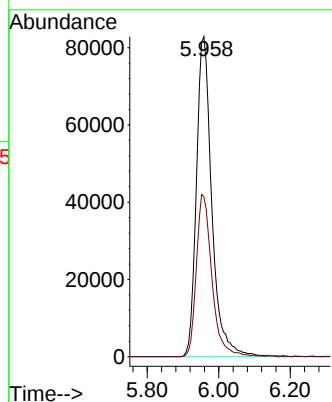
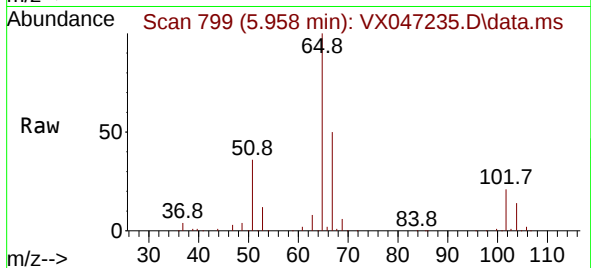




#33
 1,2-Dichloroethane-d4
 Concen: 51.672 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX047235.D
 Acq: 05 Aug 2025 15:10

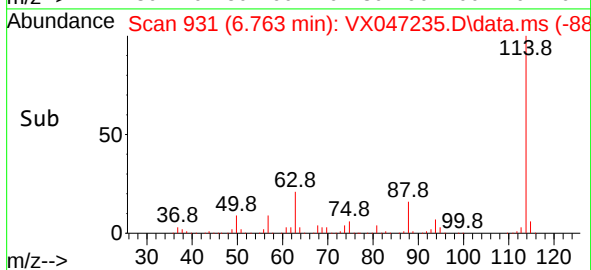
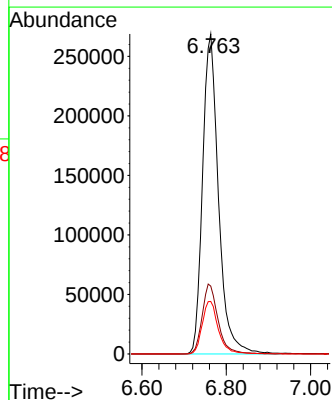
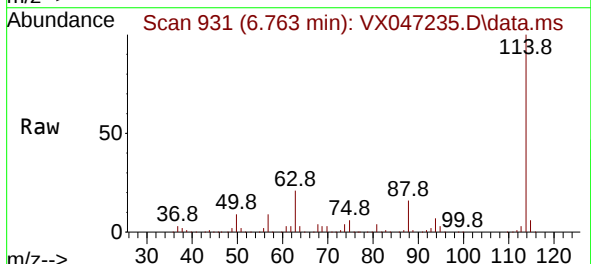
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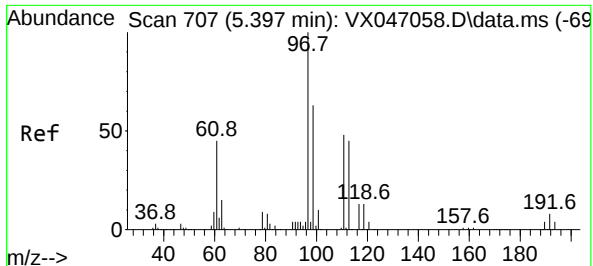
Tgt Ion: 65 Resp: 247737
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.006 min
 Lab File: VX047235.D
 Acq: 05 Aug 2025 15:10

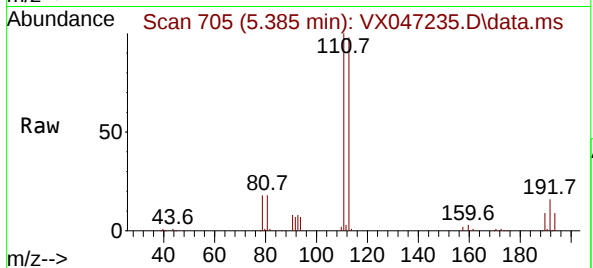
Tgt Ion: 114 Resp: 706137
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.2
 88 16.4 0.0 33.8



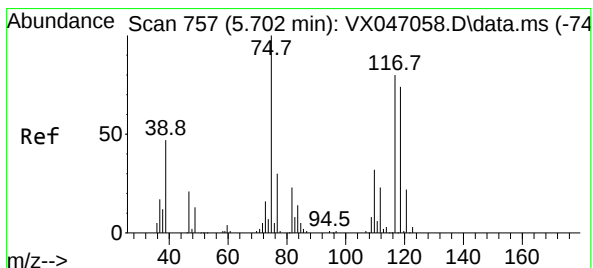
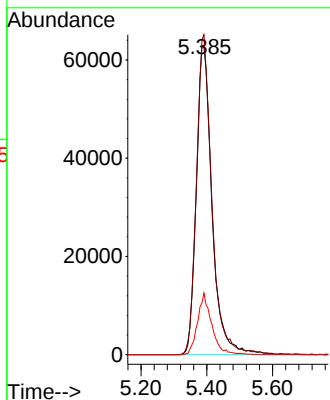
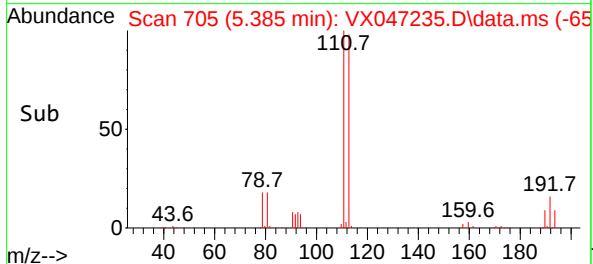


#35
 Dibromofluoromethane
 Concen: 47.958 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. -0.012 min
 Lab File: VX047235.D
 Acq: 05 Aug 2025 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 SOLID-DRUMSME

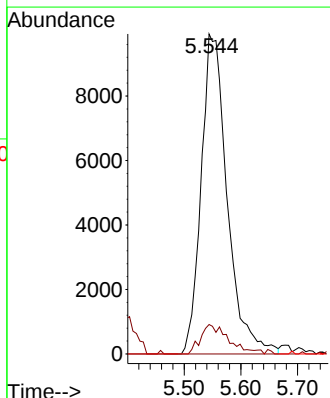
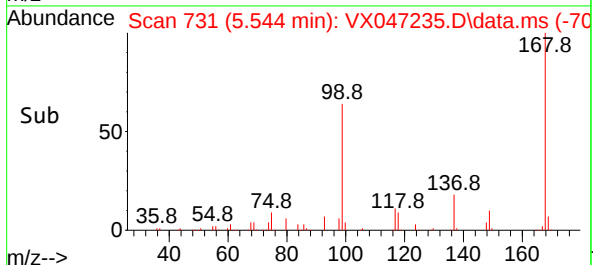
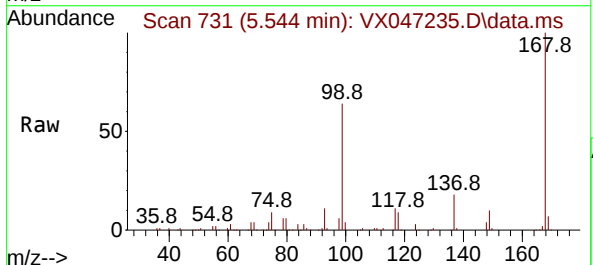


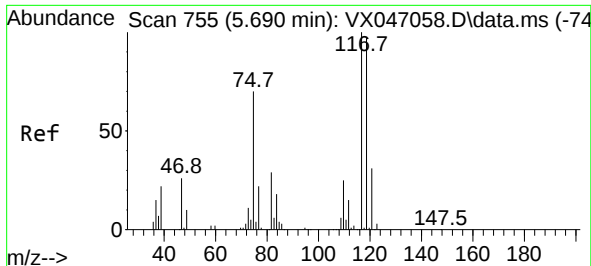
Tgt Ion:113 Resp: 209095
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.6 124.0
 192 17.9 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 4.263 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.158 min
 Lab File: VX047235.D
 Acq: 05 Aug 2025 15:10

Tgt Ion: 75 Resp: 31685
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.2 51.5#
 77 0.0 25.1 37.7#

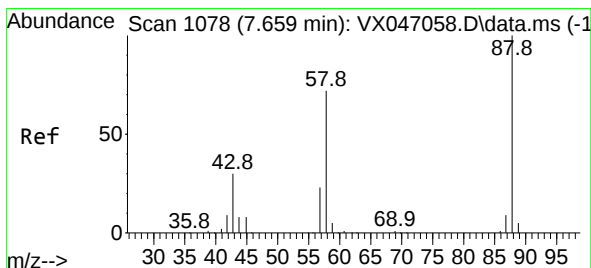
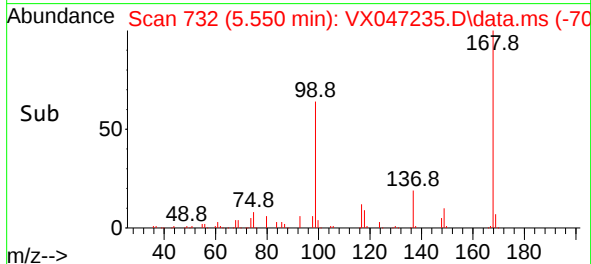
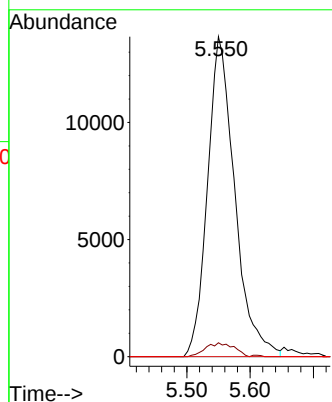
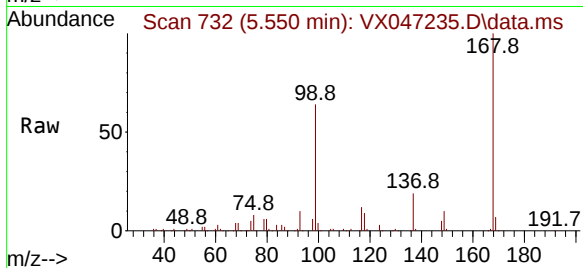




#38
Carbon Tetrachloride
Concen: 5.152 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

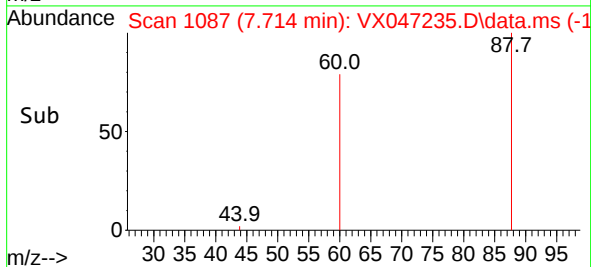
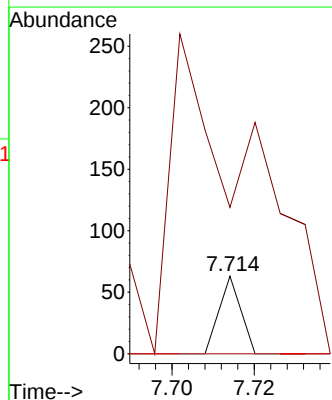
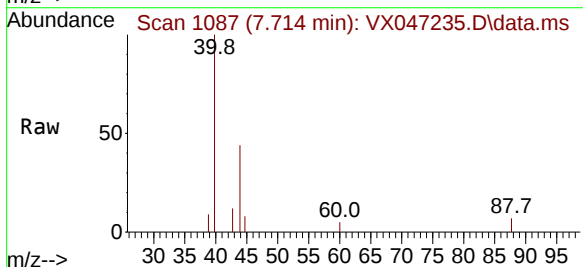
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMSME

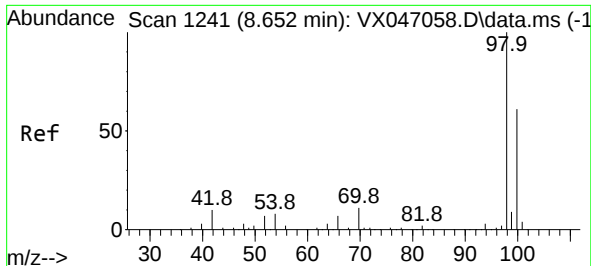
Tgt Ion:117 Resp: 40869
Ion Ratio Lower Upper
117 100
119 4.4 76.6 115.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.348 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.055 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 1539.1 33.6 50.4#
58 0.0 58.8 88.2#

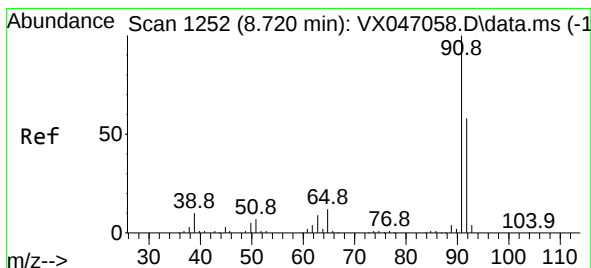
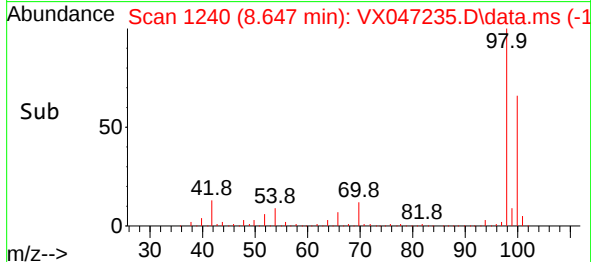
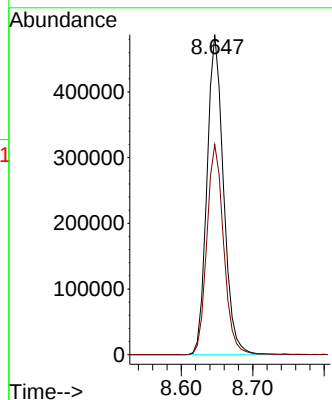
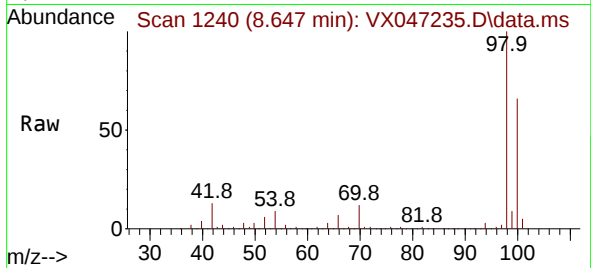




#50
Toluene-d8
Concen: 55.428 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

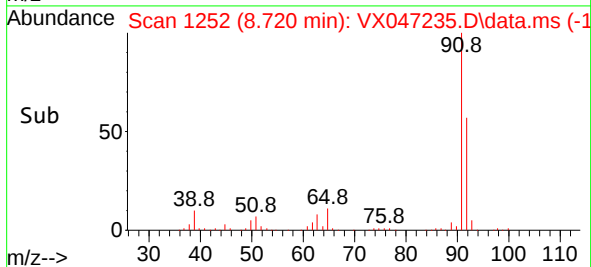
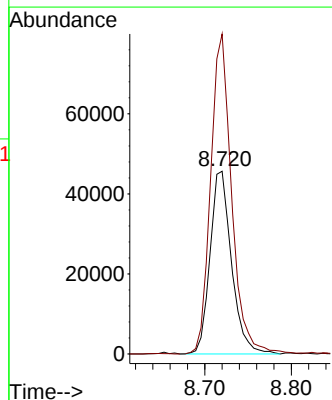
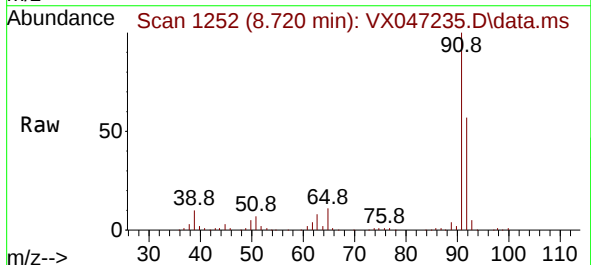
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMSME

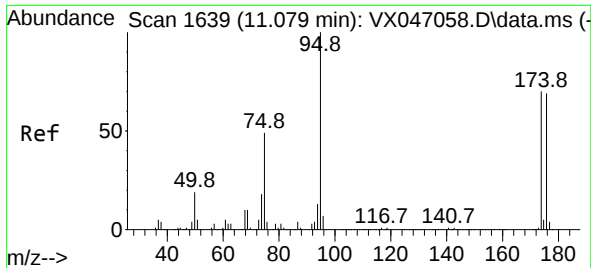
Tgt Ion: 98 Resp: 782612
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9



#52
Toluene
Concen: 5.955 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

Tgt Ion: 92 Resp: 78748
Ion Ratio Lower Upper
92 100
91 171.3 137.9 206.9

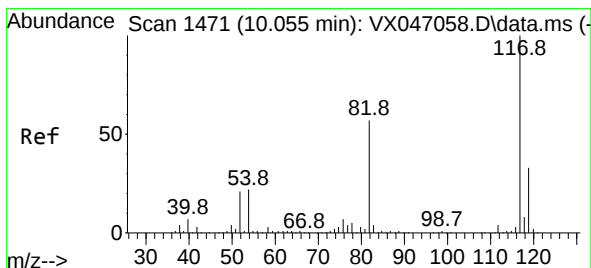
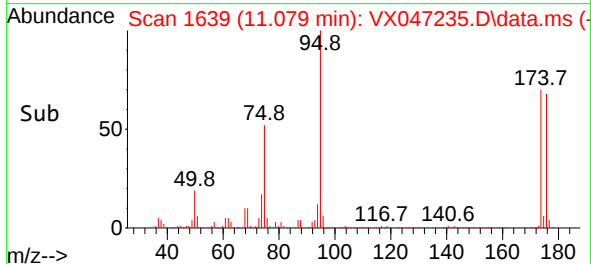
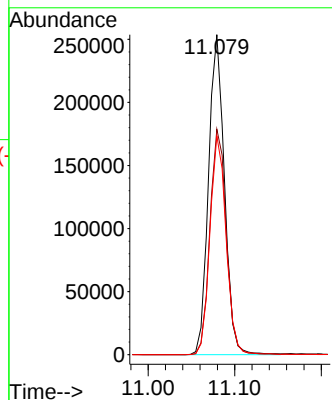
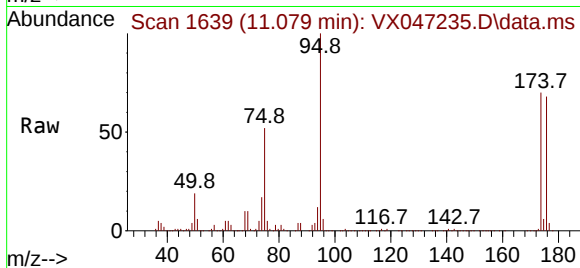




#62
4-Bromofluorobenzene
Concen: 53.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

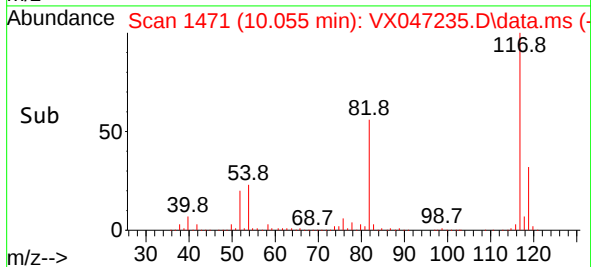
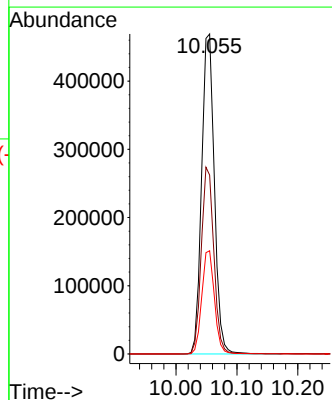
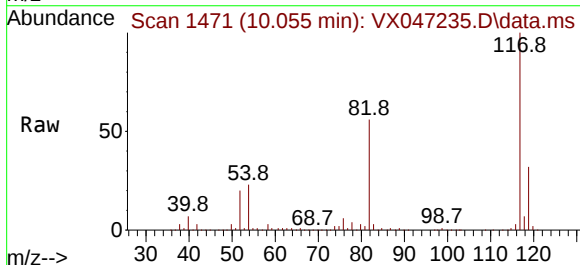
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMSME

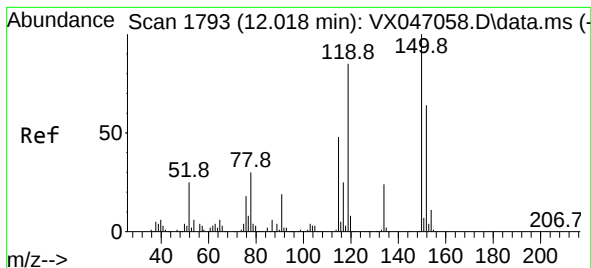
Tgt Ion: 95 Resp: 324187
Ion Ratio Lower Upper
95 100
174 72.8 0.0 144.6
176 69.4 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

Tgt Ion: 117 Resp: 680806
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.2
119 32.3 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047235.D

Acq: 05 Aug 2025 15:10

Instrument :

MSVOA_X

ClientSampleId :

SOLID-DRUMSME

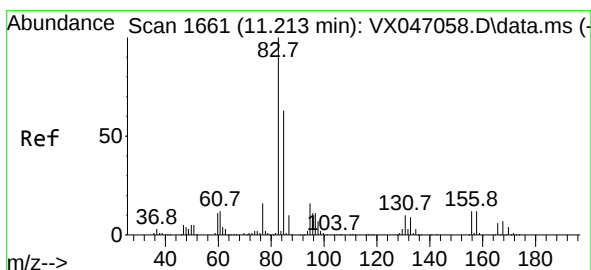
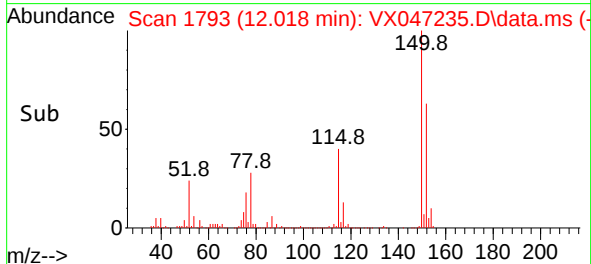
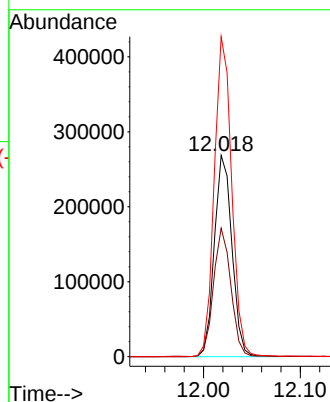
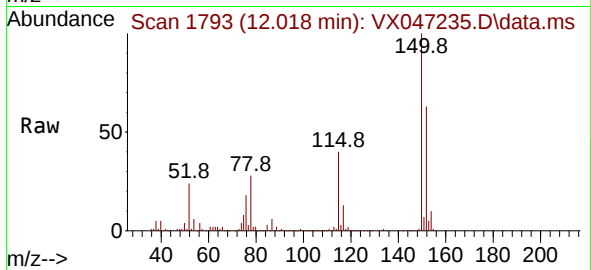
Tgt Ion:152 Resp: 339393

Ion Ratio Lower Upper

152 100

115 62.8 45.6 136.7

150 157.5 0.0 354.6



#75

1,1,2,2-Tetrachloroethane

Concen: 0.224 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.018 min

Lab File: VX047235.D

Acq: 05 Aug 2025 15:10

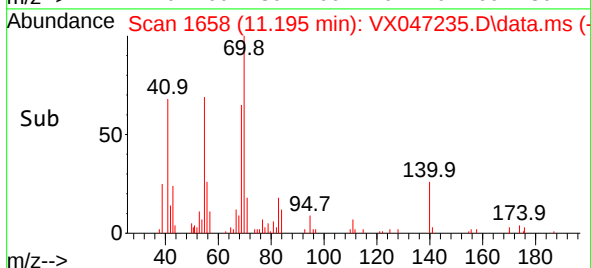
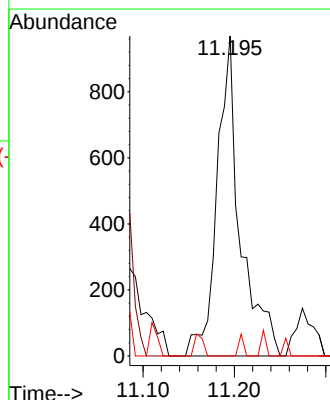
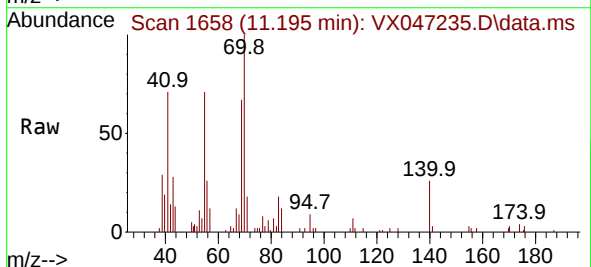
Tgt Ion: 83 Resp: 1711

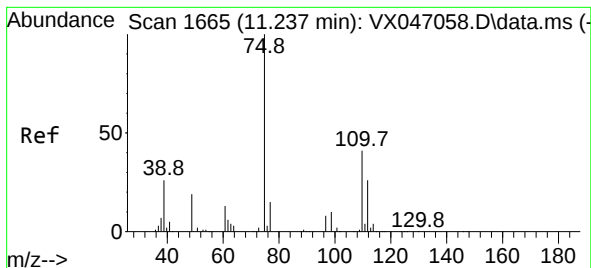
Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 0.0 32.0 96.2#





#76

1,2,3-Trichloropropane

Concen: 26.698 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047235.D

Acq: 05 Aug 2025 15:10

Instrument :

MSVOA_X

ClientSampleId :

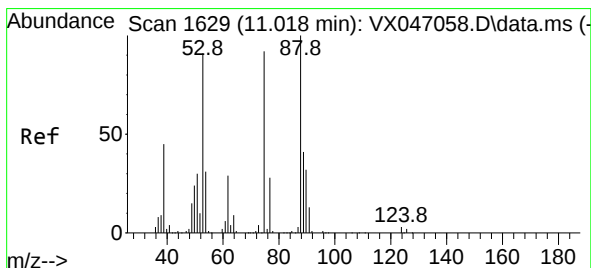
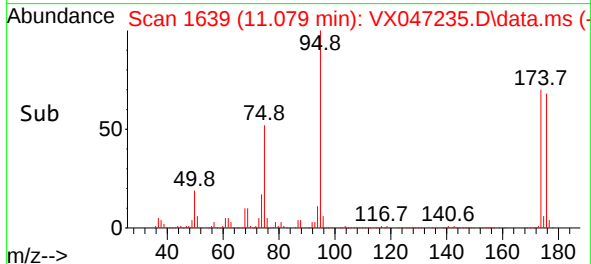
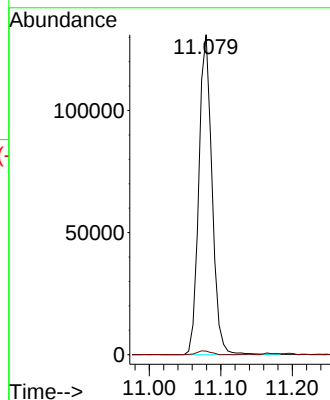
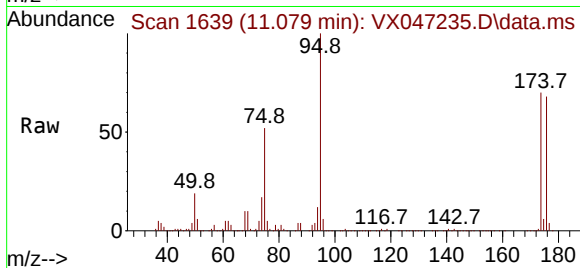
SOLID-DRUMSME

Tgt Ion: 75 Resp: 167719

Ion Ratio Lower Upper

75 100

77 1.3 21.6 65.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.786 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047235.D

Acq: 05 Aug 2025 15:10

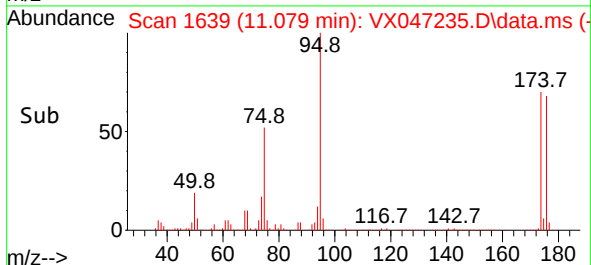
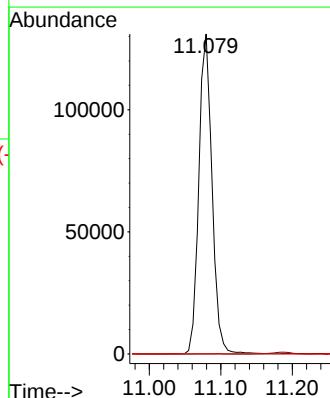
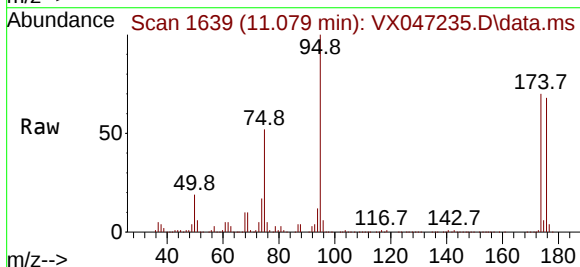
Tgt Ion: 75 Resp: 167719

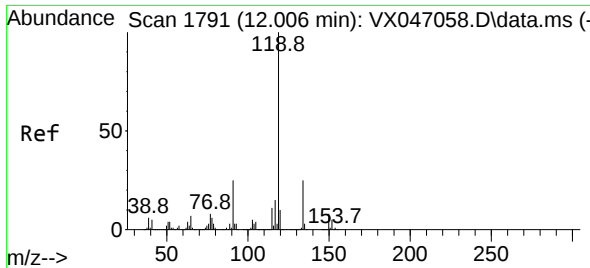
Ion Ratio Lower Upper

75 100

53 0.0 84.2 126.4#

89 0.0 36.0 54.0#

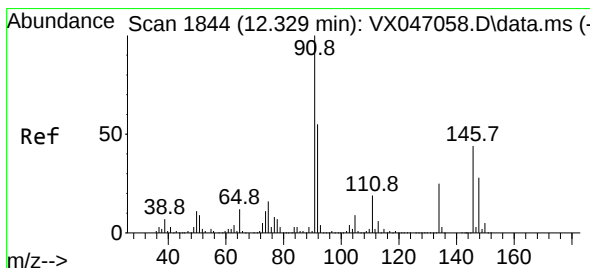
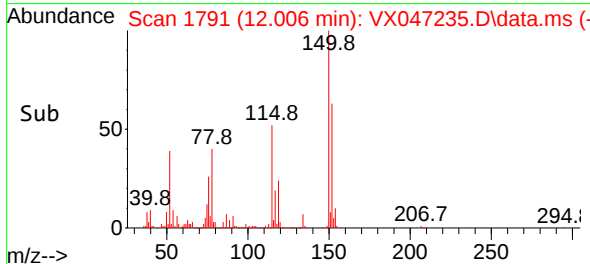
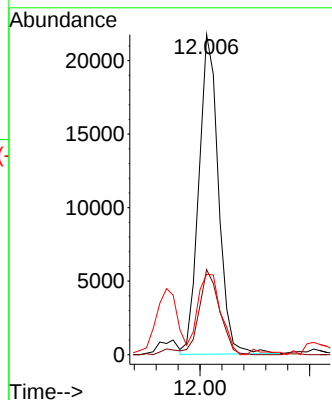
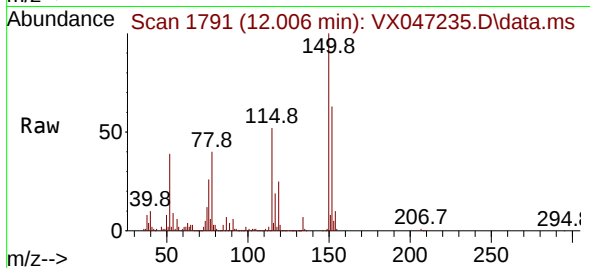




#86
 p-Isopropyltoluene
 Concen: 1.173 ug/l
 RT: 12.006 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VX047235.D
 Acq: 05 Aug 2025 15:10

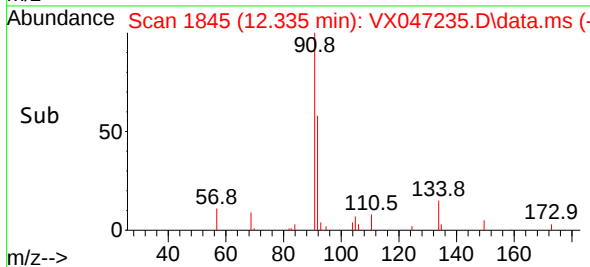
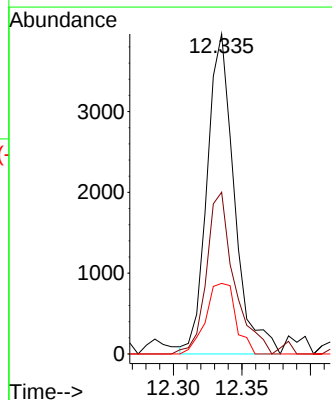
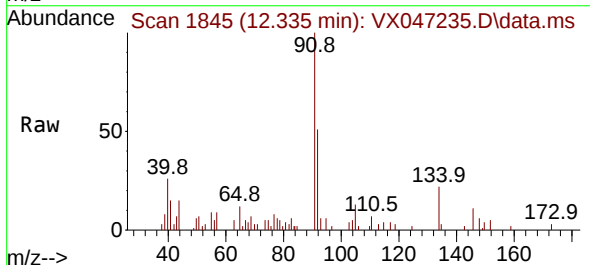
Instrument :
 MSVOA_X
 ClientSampleId :
 SOLID-DRUMSME

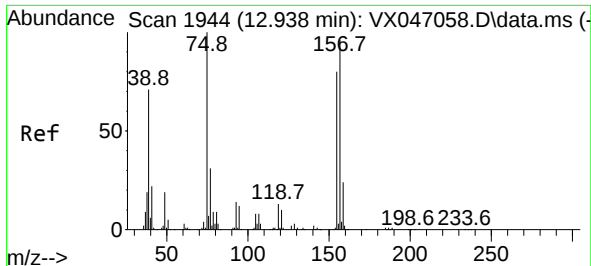
Tgt Ion:119 Resp: 26989
 Ion Ratio Lower Upper
 119 100
 134 29.2 12.8 38.4
 91 30.0 12.4 37.4



#89
 n-Butylbenzene
 Concen: 0.254 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.007 min
 Lab File: VX047235.D
 Acq: 05 Aug 2025 15:10

Tgt Ion: 91 Resp: 5476
 Ion Ratio Lower Upper
 91 100
 92 51.2 27.5 82.5
 134 24.3 12.8 38.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.999 ug/l

RT: 12.762 min Scan# 1915

Delta R.T. -0.176 min

Lab File: VX047235.D

Acq: 05 Aug 2025 15:10

Instrument :

MSVOA_X

ClientSampleId :

SOLID-DRUMSME

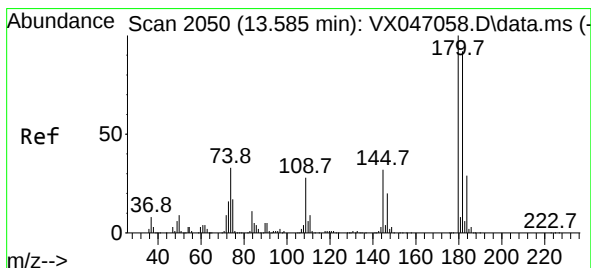
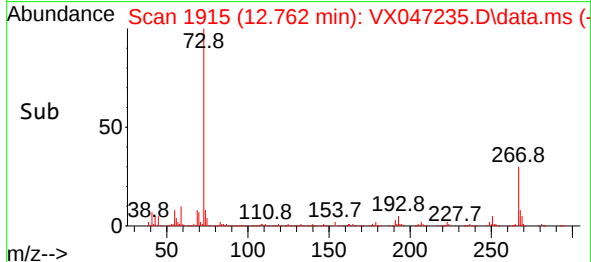
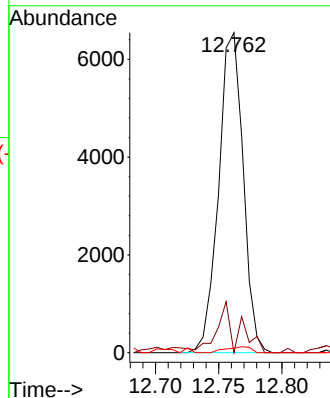
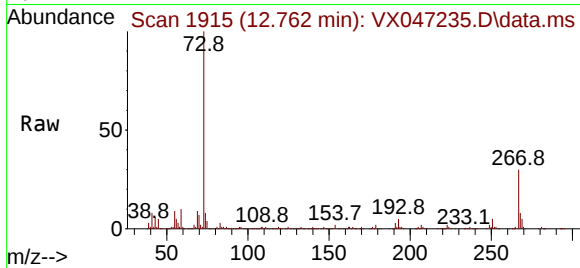
Tgt Ion: 75 Resp: 8807

Ion Ratio Lower Upper

75 100

155 13.4 41.3 124.1#

157 1.9 52.8 158.3#



#93

1,2,4-Trichlorobenzene

Concen: 0.271 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.007 min

Lab File: VX047235.D

Acq: 05 Aug 2025 15:10

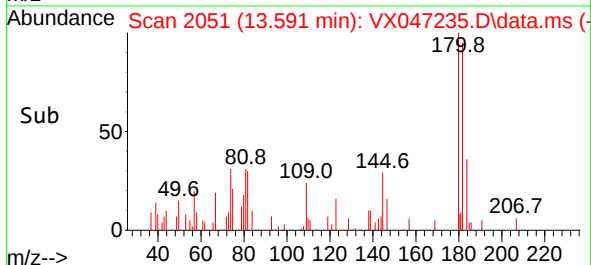
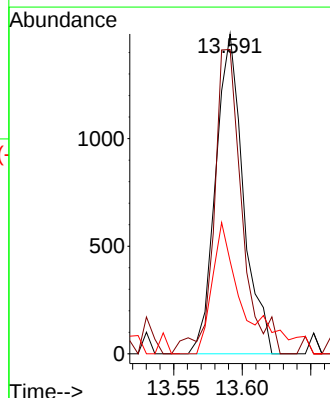
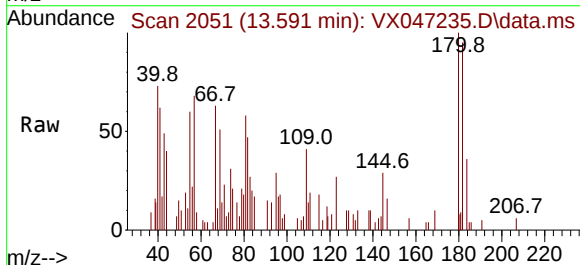
Tgt Ion:180 Resp: 2086

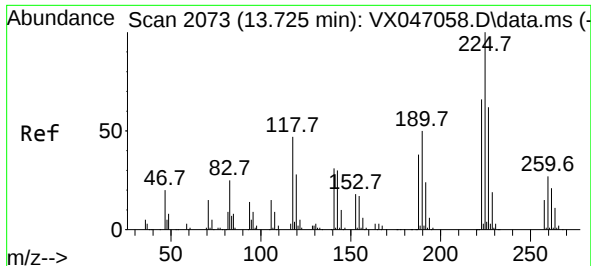
Ion Ratio Lower Upper

180 100

182 95.2 47.3 141.8

145 47.4 16.4 49.1

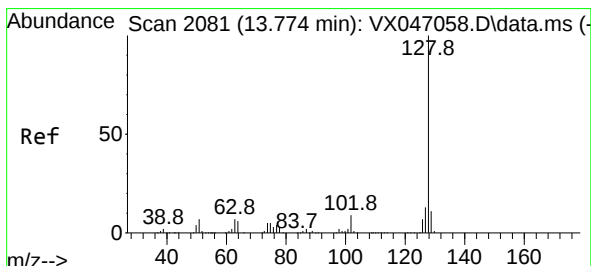
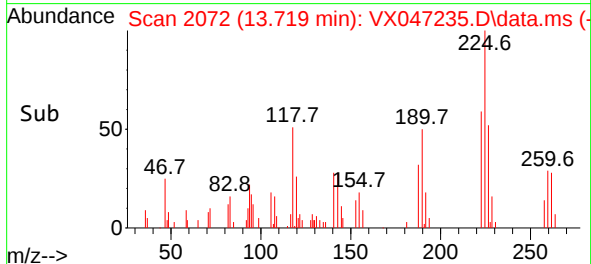
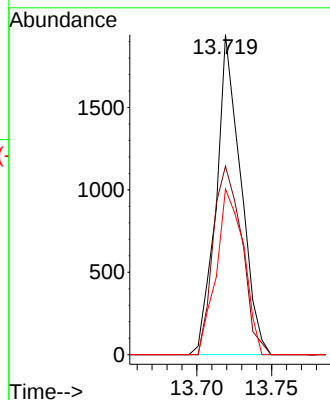
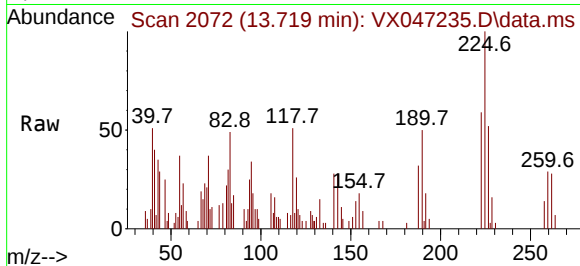




#94
Hexachlorobutadiene
Concen: 0.848 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

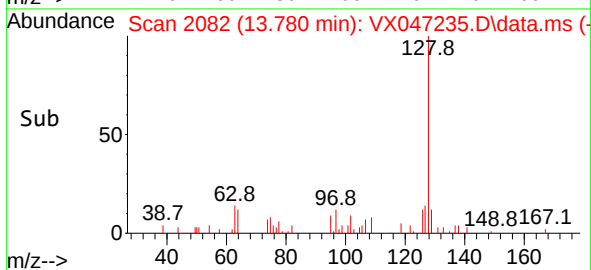
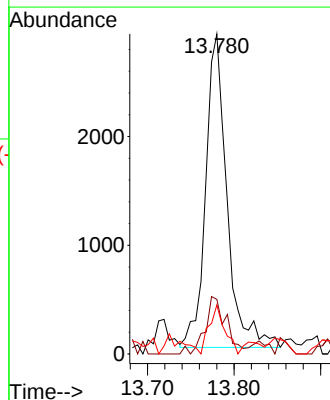
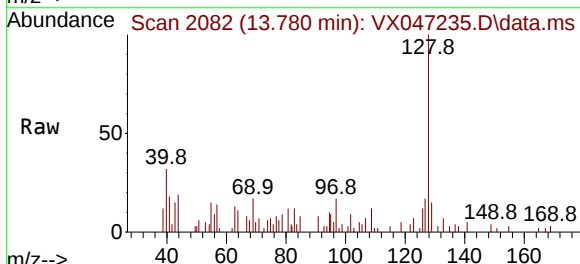
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMSME

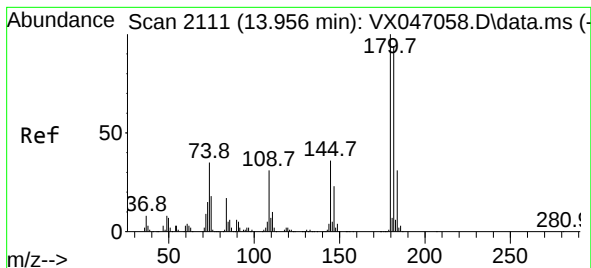
Tgt Ion:225 Resp: 2221
Ion Ratio Lower Upper
225 100
223 68.4 31.6 95.0
227 57.6 32.9 98.6



#95
Naphthalene
Concen: 0.219 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.007 min
Lab File: VX047235.D
Acq: 05 Aug 2025 15:10

Tgt Ion:128 Resp: 4949
Ion Ratio Lower Upper
128 100
127 17.9 10.1 15.1#
129 11.4 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.288 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.007 min

Lab File: VX047235.D

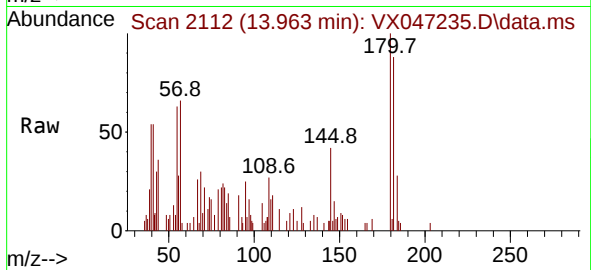
Acq: 05 Aug 2025 15:10

Instrument :

MSVOA_X

ClientSampleId :

SOLID-DRUMSME



Tgt Ion:180 Resp: 2138

Ion Ratio Lower Upper

180 100

182 86.9 46.9 140.6

145 32.6 17.3 52.0

