

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082925\
 Data File : VX047559.D
 Acq On : 29 Aug 2025 10:35
 Operator : JC/MD
 Sample : VX0829WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBL01

Quant Time: Aug 29 23:50:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:31:18 2025
 Response via : Initial Calibration

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

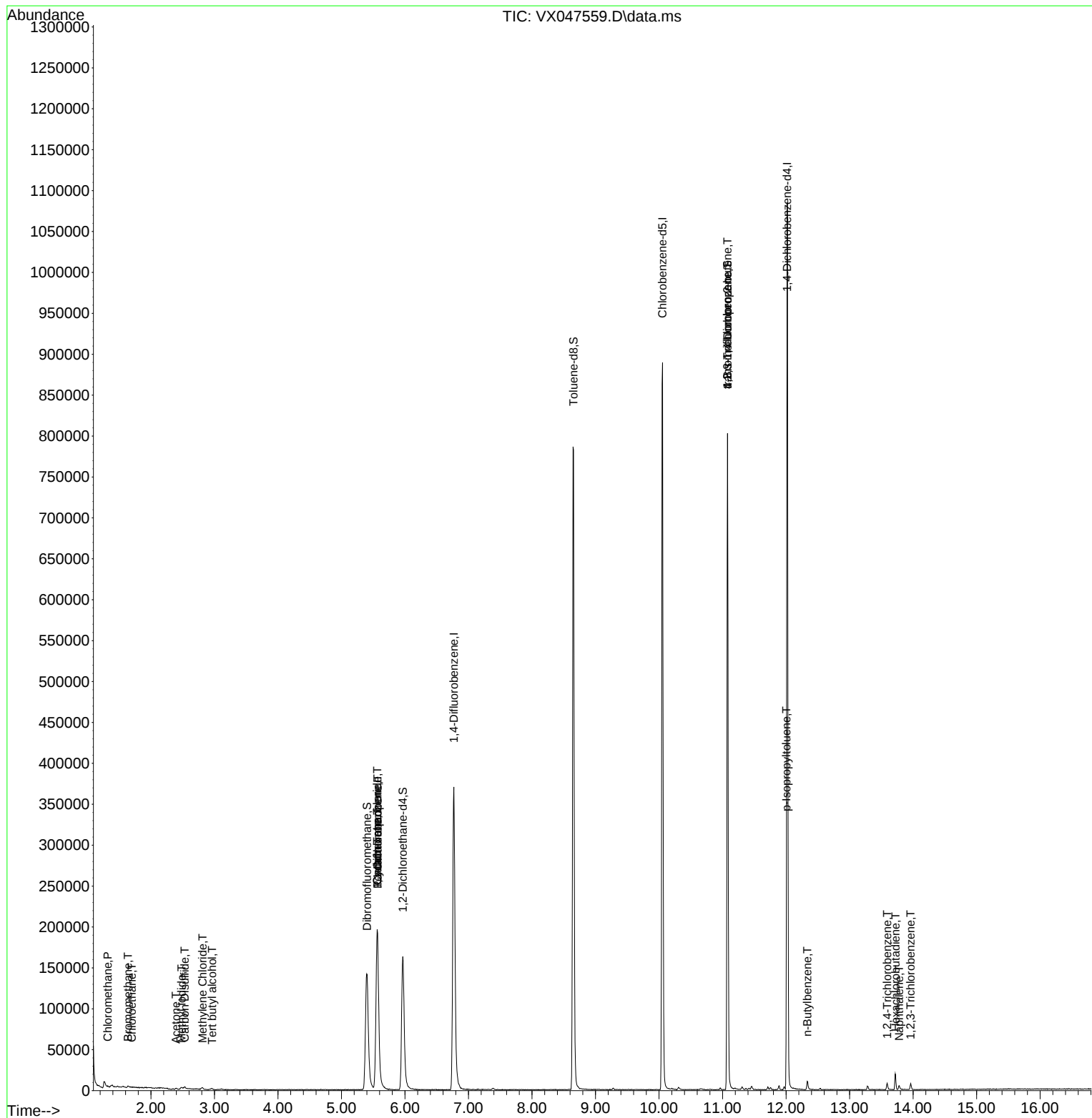
Internal Standards						
1) Pentafluorobenzene	5.568	168	198657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	399327	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	410444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	214482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	176159	57.744	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.480%
35) Dibromofluoromethane	5.403	113	141917	51.780	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.560%
50) Toluene-d8	8.653	98	492908	51.309	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.620%
62) 4-Bromofluorobenzene	11.079	95	215528	59.719	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	119.440%
Target Compounds						
					Qvalue	
3) Chloromethane	1.319	50	632	0.266	ug/l #	44
5) Bromomethane	1.636	94	1009	0.835	ug/l	83
6) Chloroethane	1.697	64	430	0.242	ug/l #	65
10) Methyl Iodide	2.483	142	4093	1.045	ug/l #	83
11) Tert butyl alcohol	2.965	59	108	0.385	ug/l #	73
16) Acetone	2.392	43	2050	1.697	ug/l #	81
17) Carbon Disulfide	2.532	76	3101	0.416	ug/l	99
20) Methylene Chloride	2.812	84	1102	0.358	ug/l #	71
31) Cyclohexane	5.562	56	4515	1.053	ug/l #	16
36) 1,1-Dichloropropene	5.568	75	16336	4.188	ug/l #	48
38) Carbon Tetrachloride	5.562	117	20554	4.749	ug/l #	17
58) 2-Chloroethyl Vinyl ether	8.287	63	30	Below Cal	#	47
76) 1,2,3-Trichloropropane	11.079	75	111182	29.045	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	111182	102.734	ug/l #	7
86) p-Isopropyltoluene	12.006	119	3287	0.251	ug/l #	79
89) n-Butylbenzene	12.335	91	4414	0.364	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	2202	0.490	ug/l	93
94) Hexachlorobutadiene	13.725	225	2783	1.781	ug/l	97
95) Naphthalene	13.780	128	4594	0.350	ug/l #	89
96) 1,2,3-Trichlorobenzene	13.963	180	2146	0.508	ug/l	95

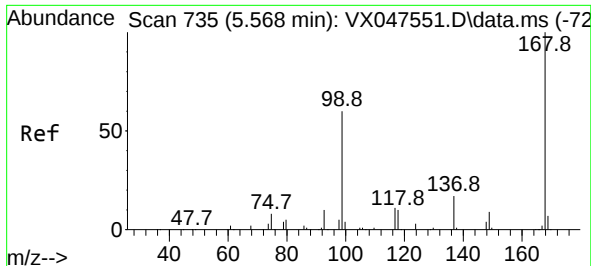
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBL01

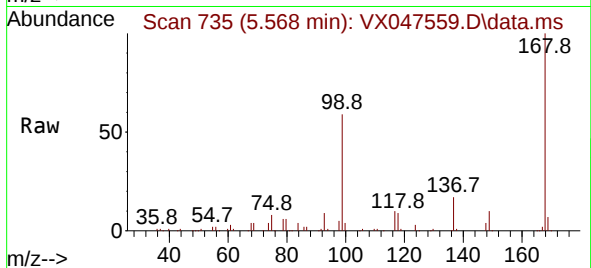
Quant Time: Aug 29 23:50:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 29 02:31:18 2025
Response via : Initial Calibration



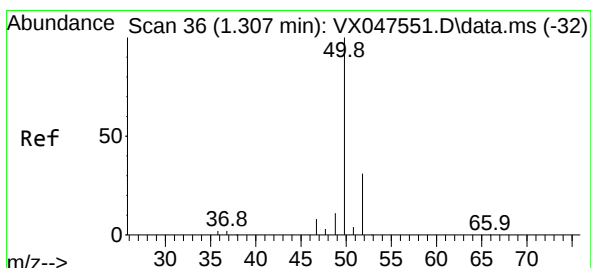
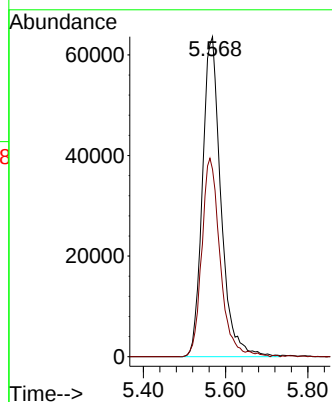
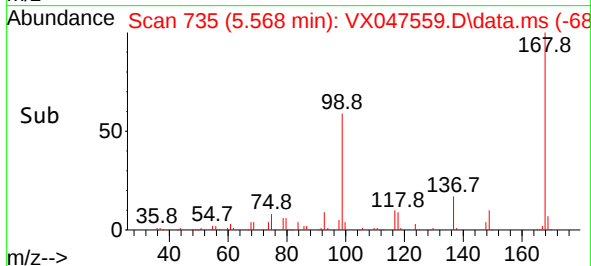


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBL01

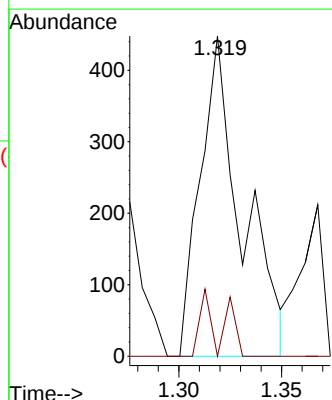
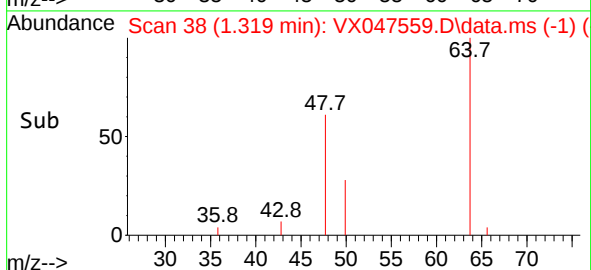
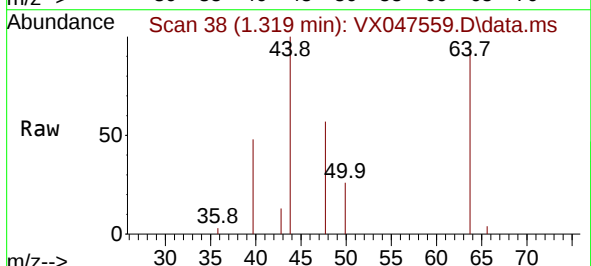


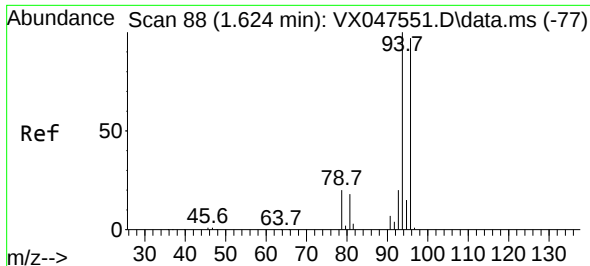
Tgt Ion:168 Resp: 198657
Ion Ratio Lower Upper
168 100
99 58.5 48.9 73.3



#3
Chloromethane
Concen: 0.266 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.012 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

Tgt Ion: 50 Resp: 632
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

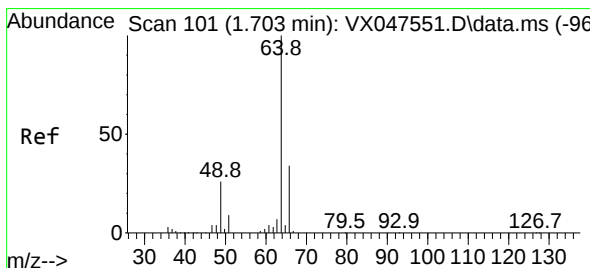
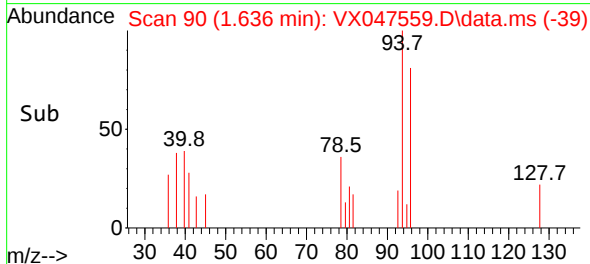
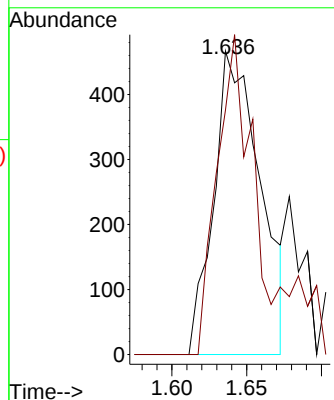
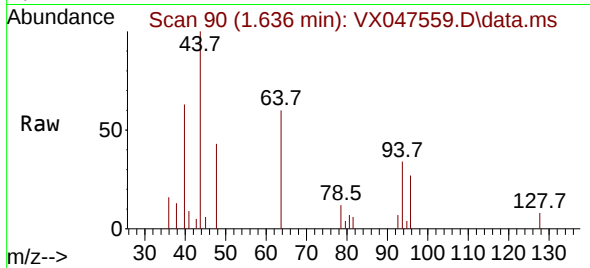




#5
Bromomethane
Concen: 0.835 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

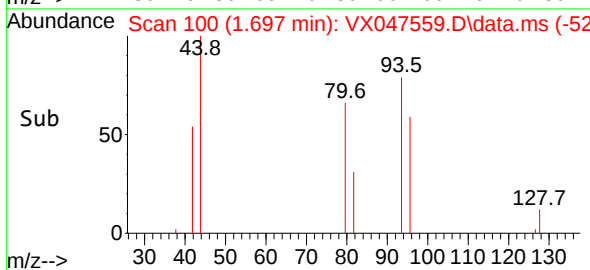
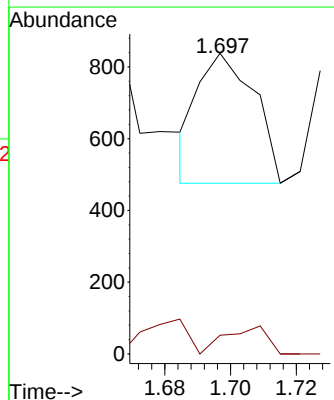
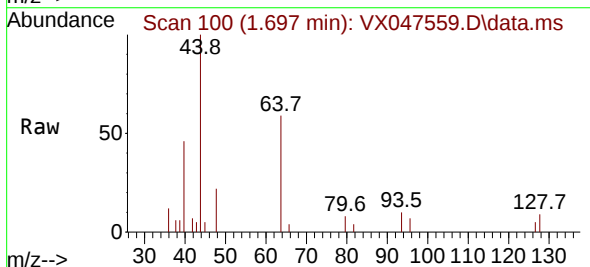
Instrument :
MSVOA_X
ClientSampleId :
VX0829WBL01

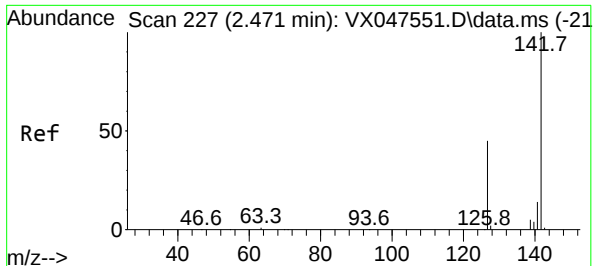
Tgt Ion: 94 Resp: 1009
Ion Ratio Lower Upper
94 100
96 80.5 77.7 116.5



#6
Chloroethane
Concen: 0.242 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

Tgt Ion: 64 Resp: 430
Ion Ratio Lower Upper
64 100
66 14.4 27.4 41.2#

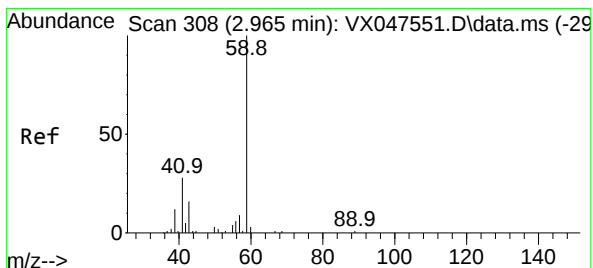
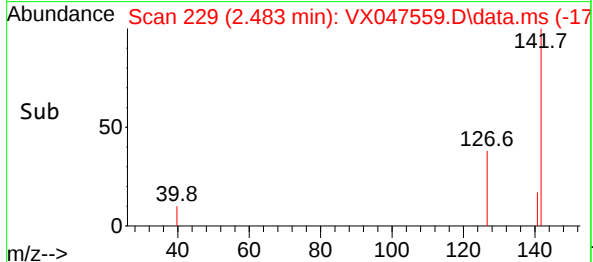
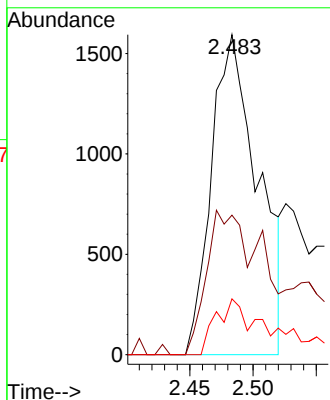
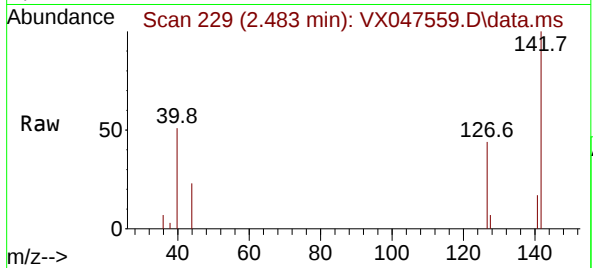




#10
Methyl Iodide
Concen: 1.045 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

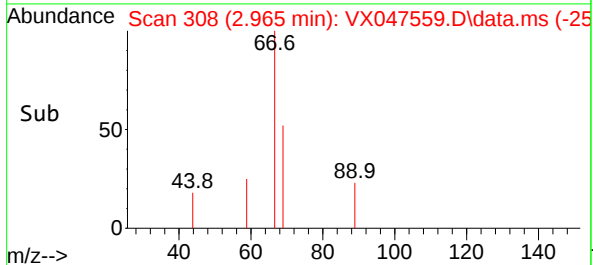
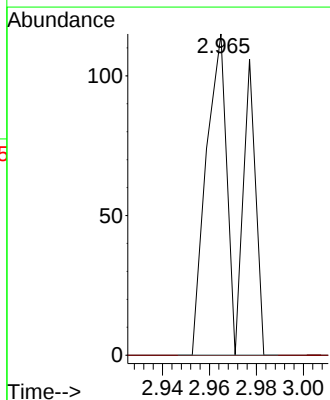
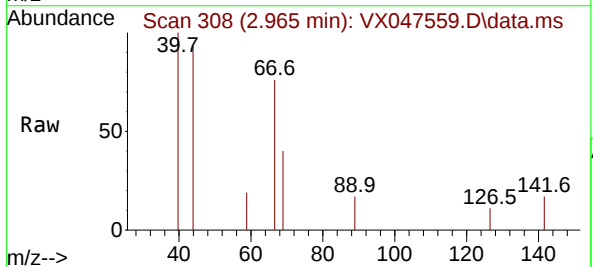
Instrument :
MSVOA_X
ClientSampleId :
VX0829WBL01

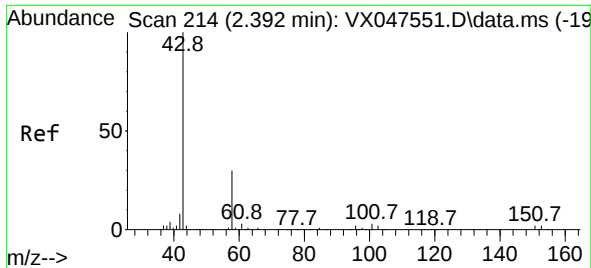
Tgt Ion:142 Resp: 4093
Ion Ratio Lower Upper
142 100
127 35.5 37.6 56.4#
141 20.0 10.6 16.0#



#11
Tert butyl alcohol
Concen: 0.385 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.000 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

Tgt Ion: 59 Resp: 108
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

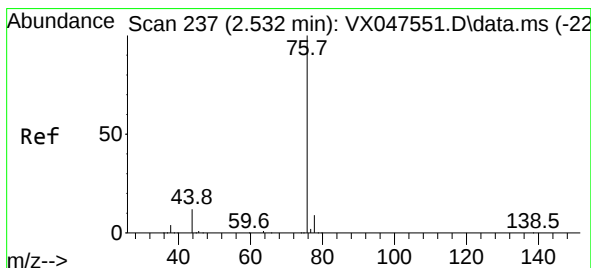
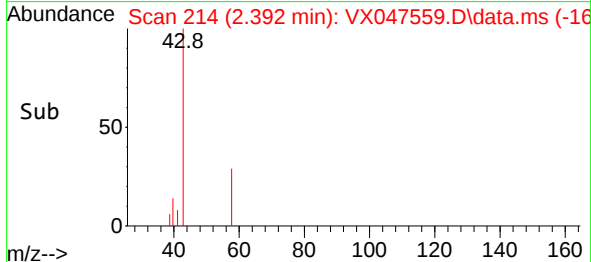
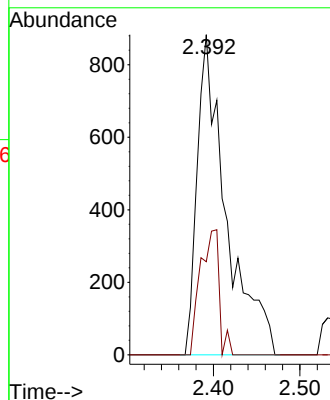
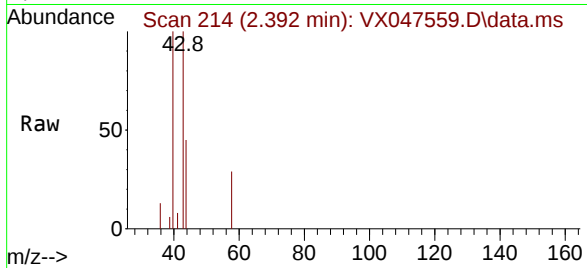




#16
Acetone
Concen: 1.697 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

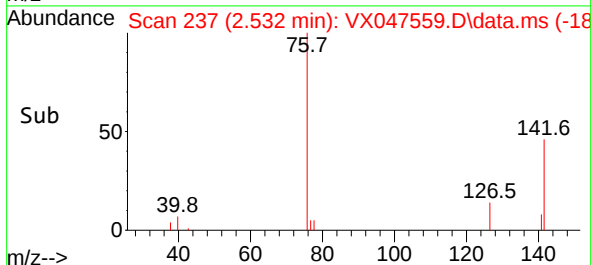
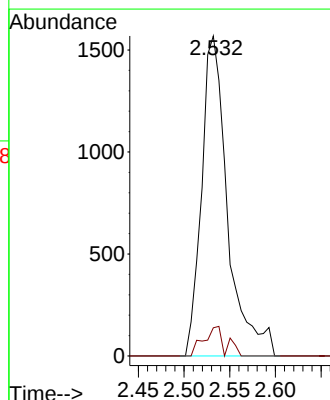
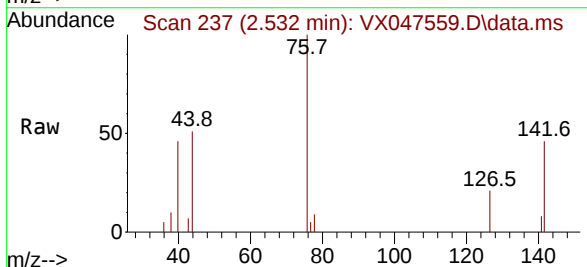
Instrument :
MSVOA_X
ClientSampleId :
VX0829WBL01

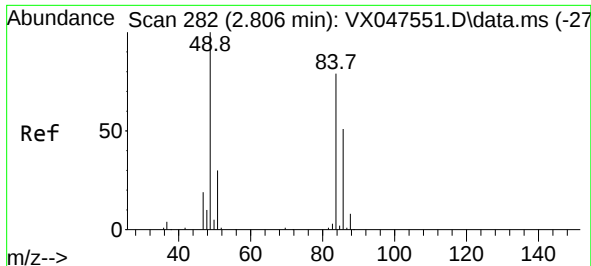
Tgt Ion: 43 Resp: 2050
Ion Ratio Lower Upper
43 100
58 20.1 24.2 36.2#



#17
Carbon Disulfide
Concen: 0.416 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

Tgt Ion: 76 Resp: 3101
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

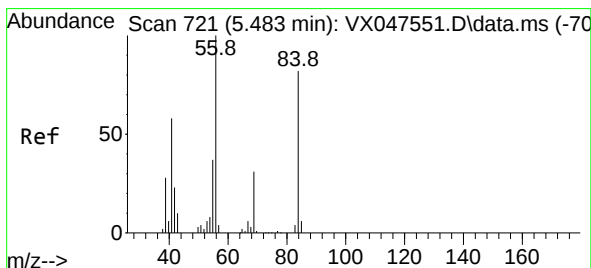
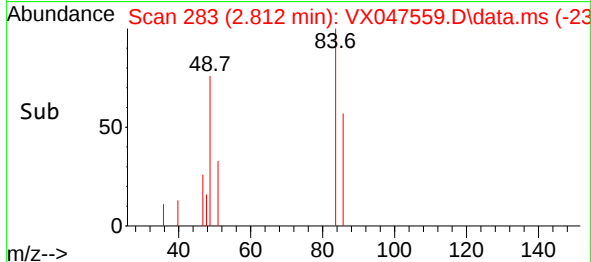
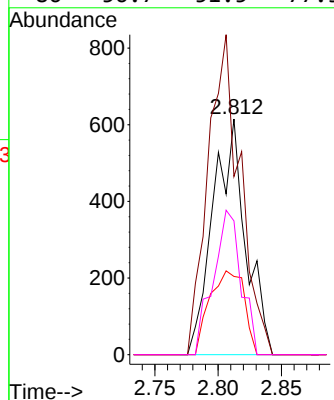
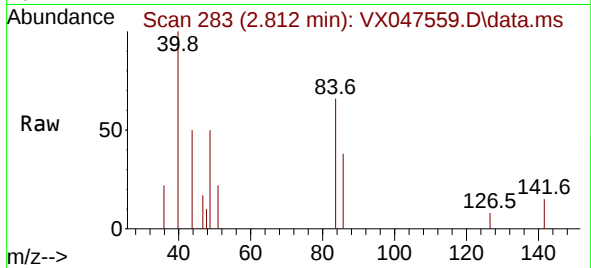




#20
Methylene Chloride
Concen: 0.358 ug/l
RT: 2.812 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

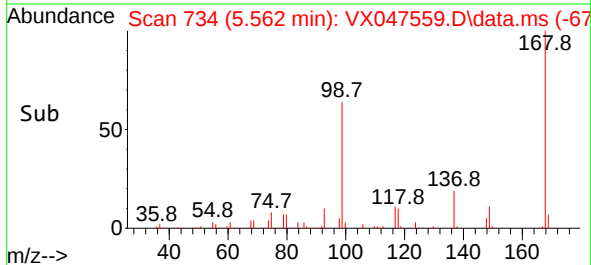
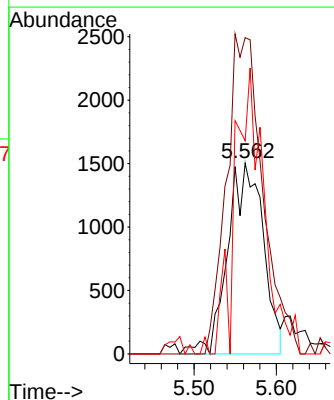
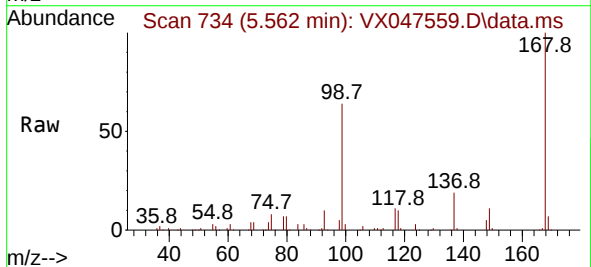
Instrument :
MSVOA_X
ClientSampleId :
VX0829WBL01

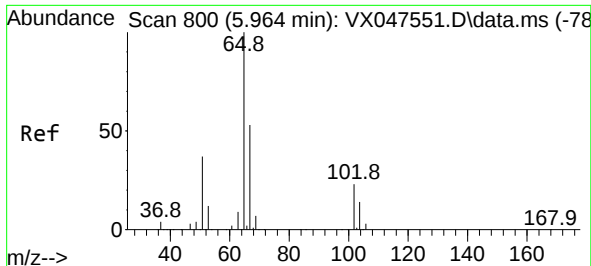
Tgt Ion:	84	Resp:	1102
Ion	Ratio	Lower	Upper
84	100		
49	75.6	101.4	152.2#
51	33.2	30.6	46.0
86	56.7	51.5	77.3



#31
Cyclohexane
Concen: 1.053 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

Tgt Ion:	56	Resp:	4515
Ion	Ratio	Lower	Upper
56	100		
69	165.8	24.2	36.2#
84	102.6	65.5	98.3#





#33

1,2-Dichloroethane-d4

Concen: 57.744 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.000 min

Lab File: VX047559.D

Acq: 29 Aug 2025 10:35

Instrument :

MSVOA_X

ClientSampleId :

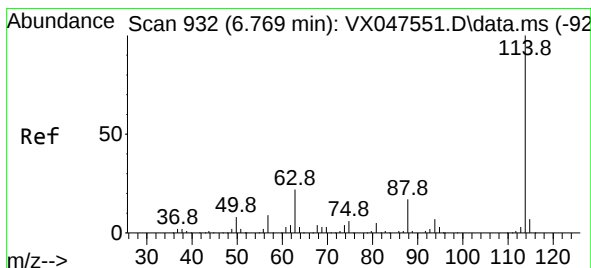
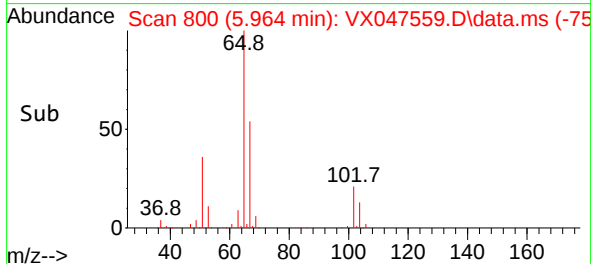
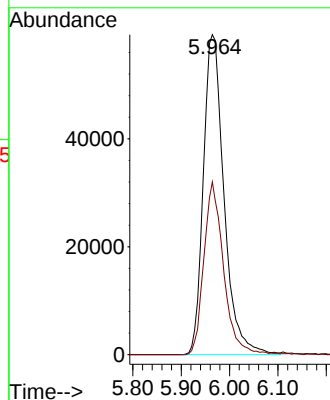
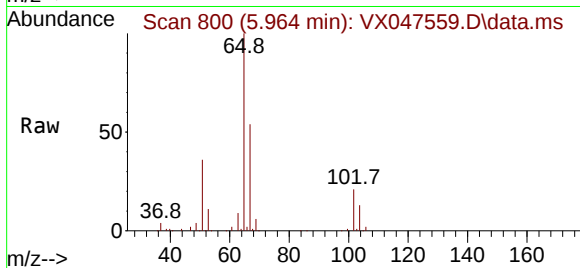
VX0829WBL01

Tgt Ion: 65 Resp: 176159

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047559.D

Acq: 29 Aug 2025 10:35

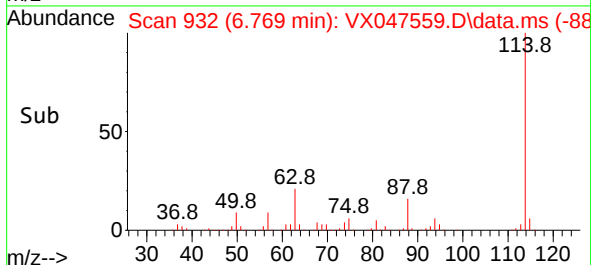
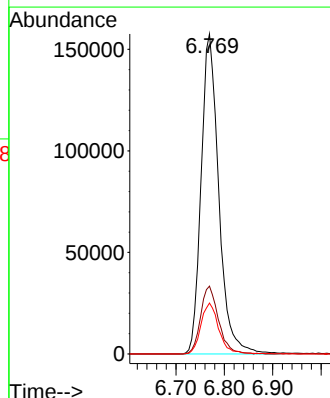
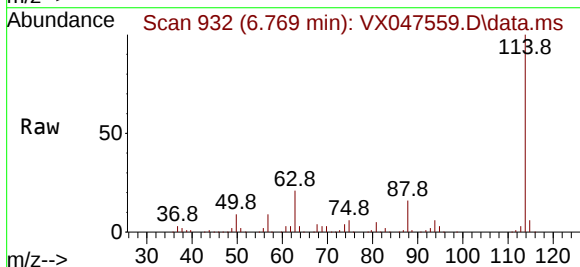
Tgt Ion: 114 Resp: 399327

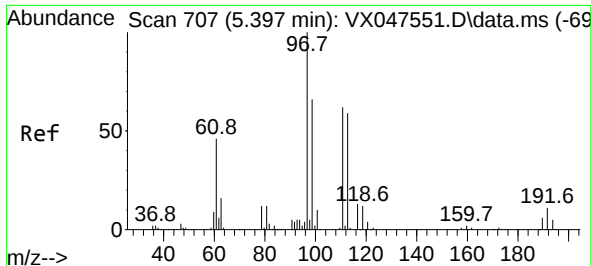
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.6

88 15.9 0.0 33.2

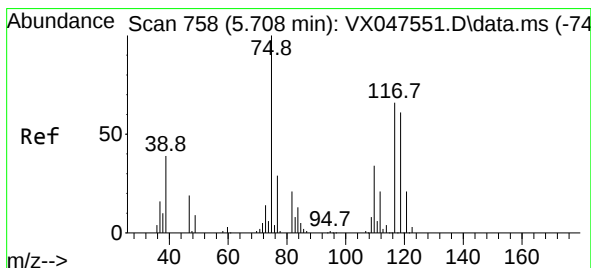
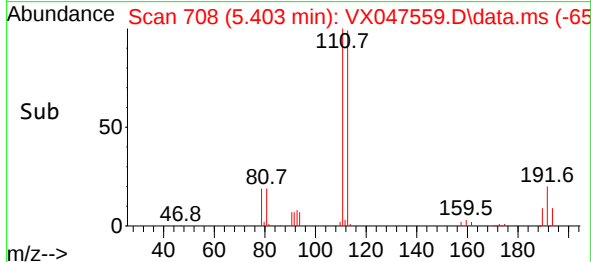
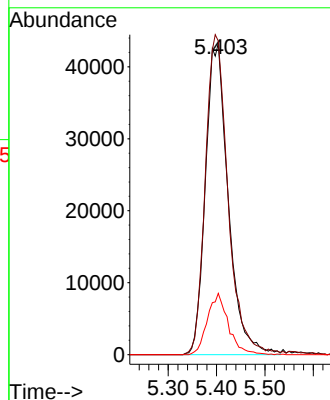
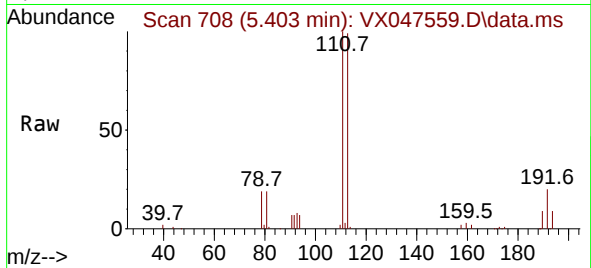




#35
Dibromofluoromethane
Concen: 51.780 ug/l
RT: 5.403 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

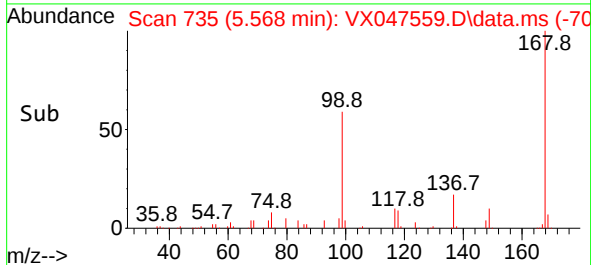
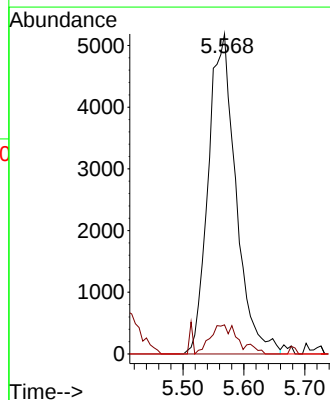
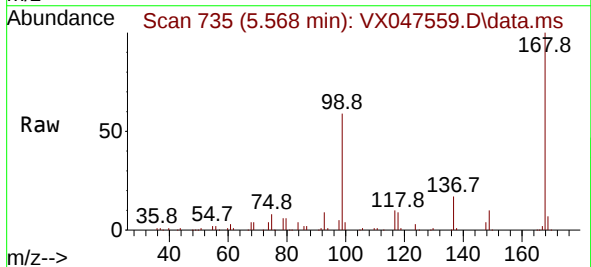
Instrument :
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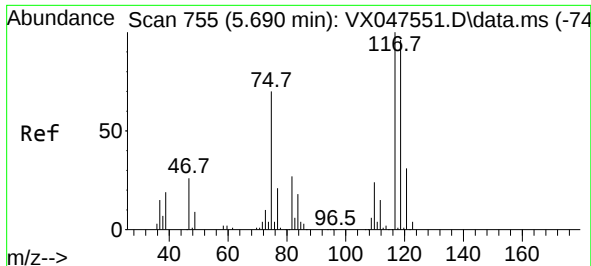
Tgt Ion:113 Resp: 141917
Ion Ratio Lower Upper
113 100
111 102.4 81.2 121.8
192 18.2 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.188 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.140 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

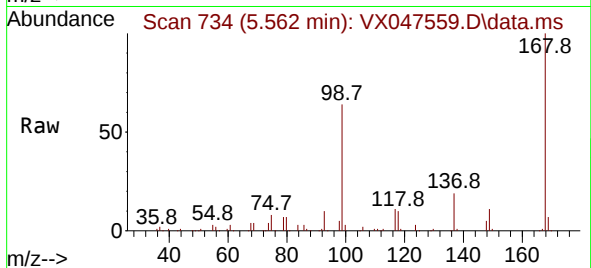
Tgt Ion: 75 Resp: 16336
Ion Ratio Lower Upper
75 100
110 7.0 17.1 51.3#
77 0.0 25.0 37.6#



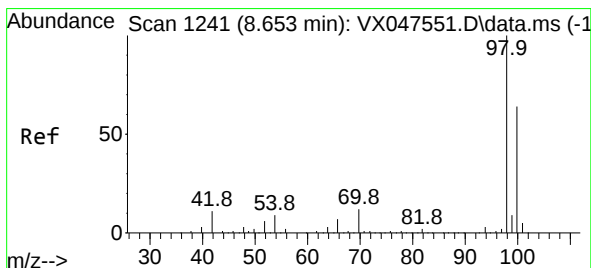
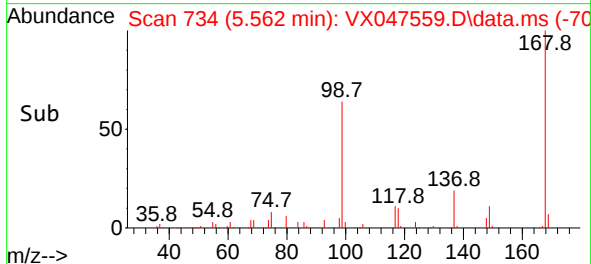
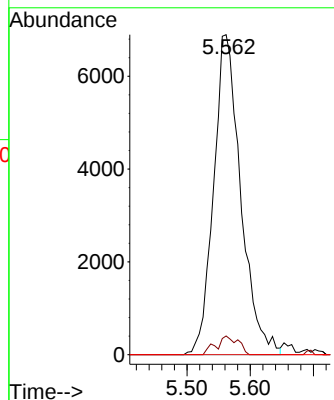


#38
Carbon Tetrachloride
Concen: 4.749 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBL01

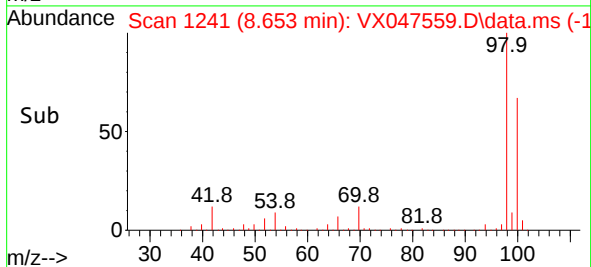
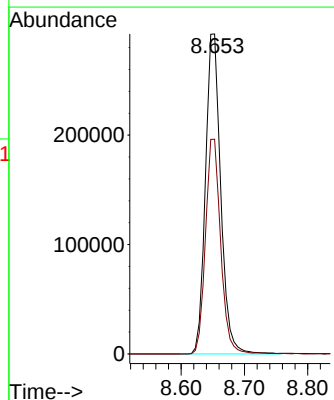
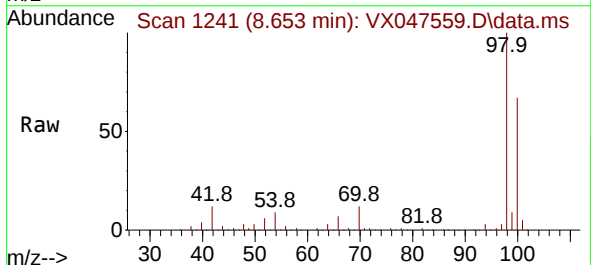


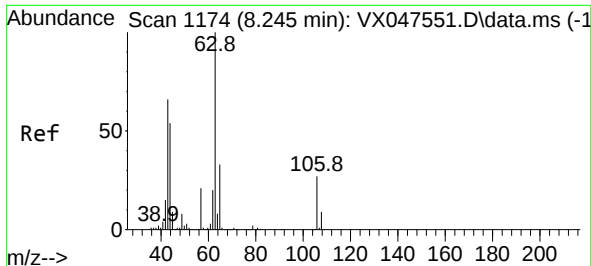
Tgt Ion:117 Resp: 20554
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 51.309 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

Tgt Ion: 98 Resp: 492908
Ion Ratio Lower Upper
98 100
100 66.6 53.5 80.3

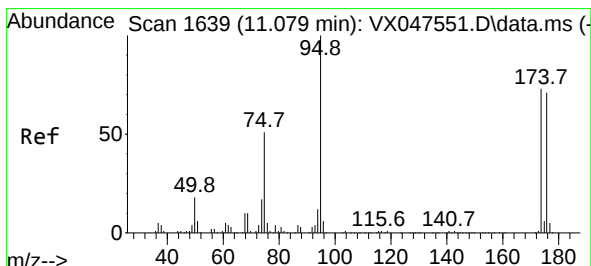
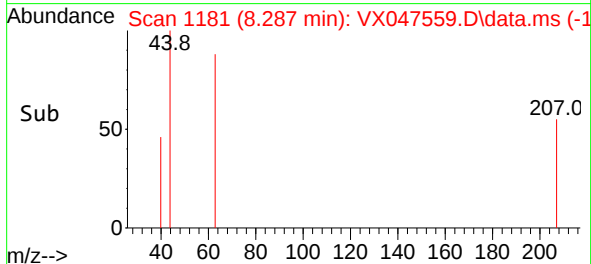
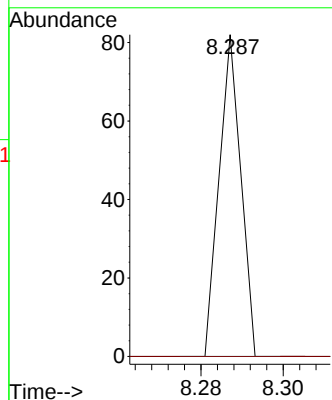
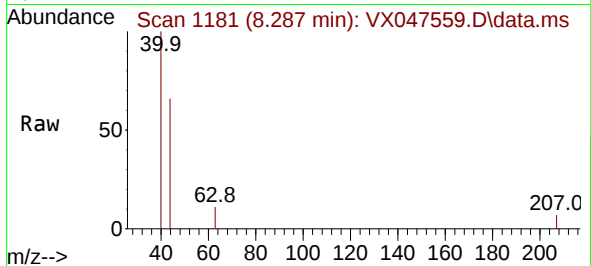




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 8.287 min Scan# 1174
Delta R.T. 0.042 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

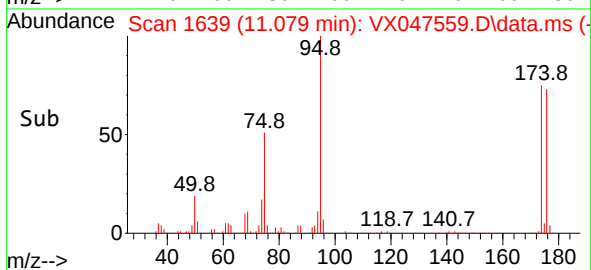
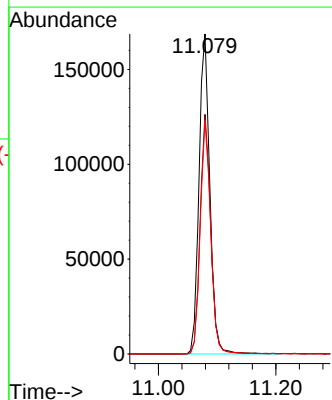
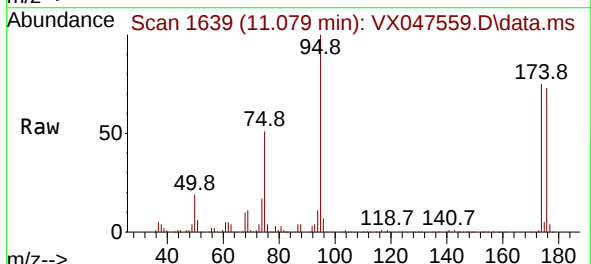
Instrument :
MSVOA_X
ClientSampleId :
VX0829WBL01

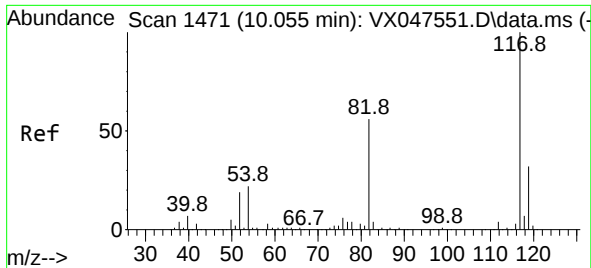
Tgt Ion: 63 Resp: 30
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.4#



#62
4-Bromofluorobenzene
Concen: 59.719 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

Tgt Ion: 95 Resp: 215528
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.2
176 70.8 0.0 140.4

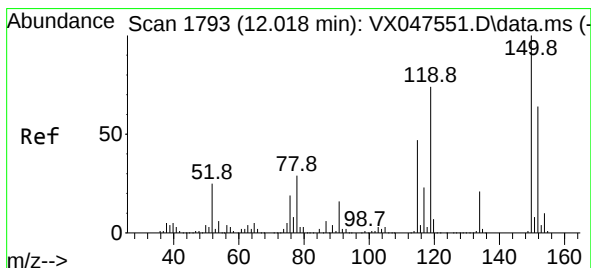
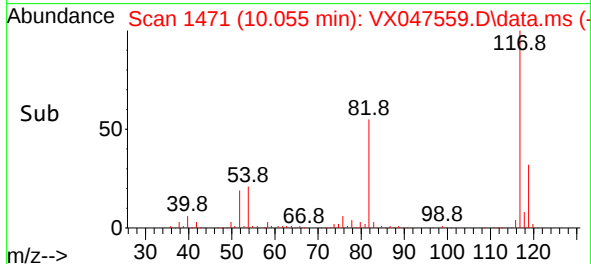
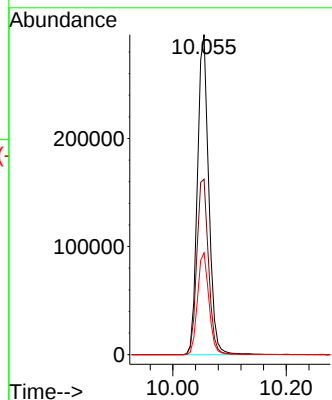
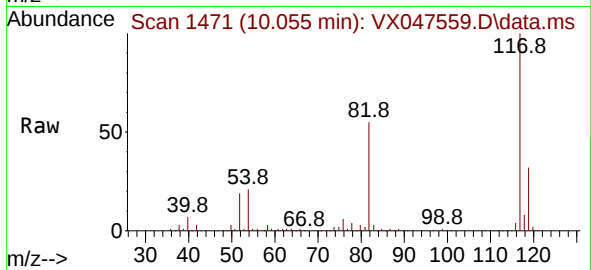




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

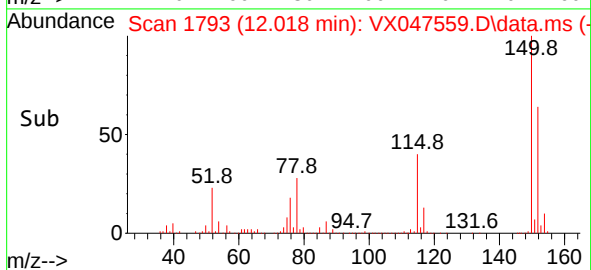
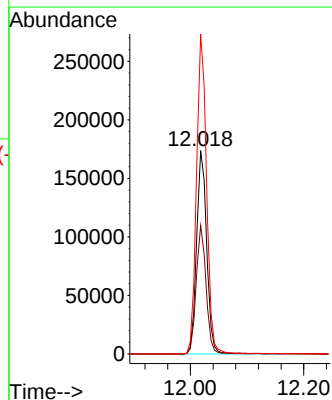
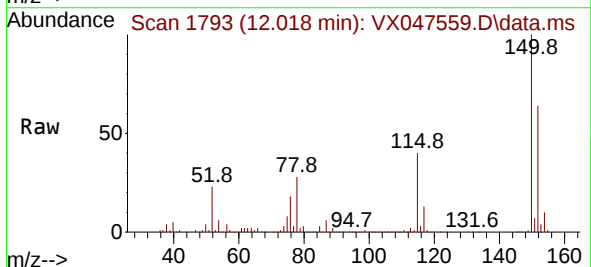
Instrument :
MSVOA_X
ClientSampleId :
VX0829WBL01

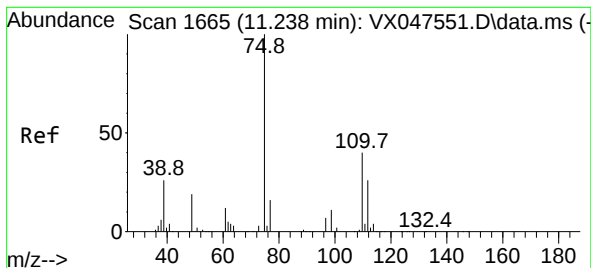
Tgt Ion:117 Resp: 410444
Ion Ratio Lower Upper
117 100
82 54.9 44.6 66.8
119 31.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

Tgt Ion:152 Resp: 214482
Ion Ratio Lower Upper
152 100
115 61.6 42.9 128.5
150 157.0 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 29.045 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX047559.D

Acq: 29 Aug 2025 10:35

Instrument :

MSVOA_X

ClientSampleId :

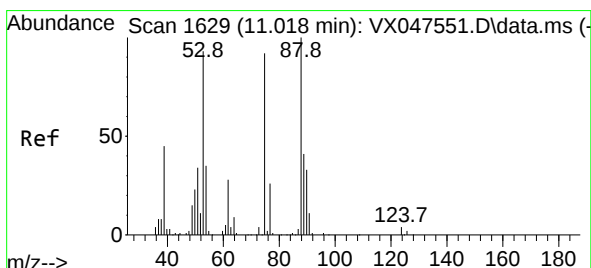
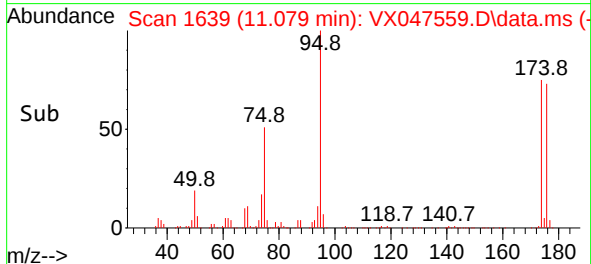
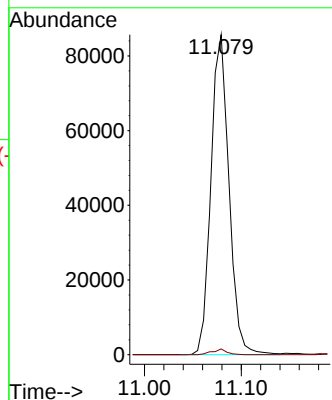
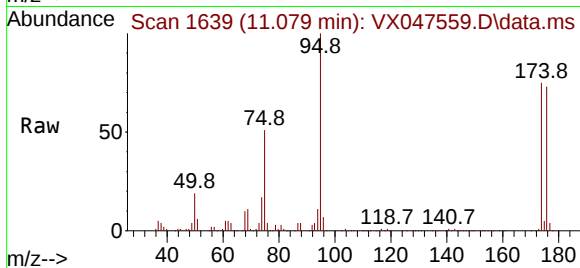
VX0829WBL01

Tgt Ion: 75 Resp: 111182

Ion Ratio Lower Upper

75 100

77 1.4 19.7 59.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.734 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047559.D

Acq: 29 Aug 2025 10:35

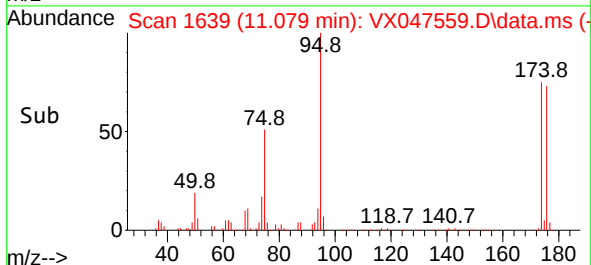
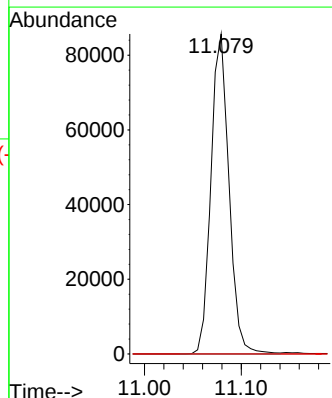
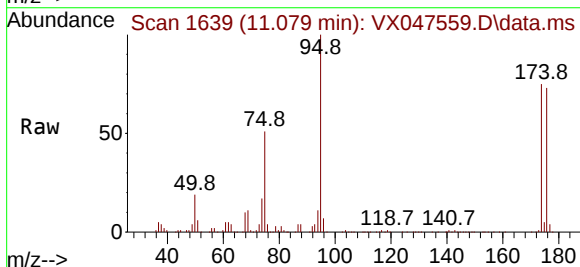
Tgt Ion: 75 Resp: 111182

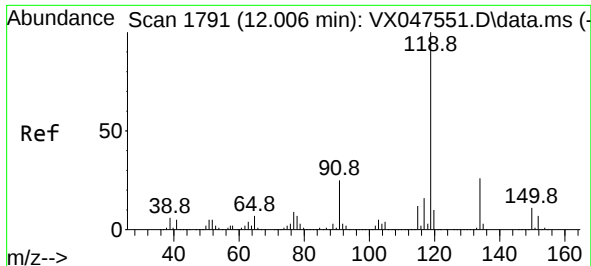
Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 36.4 54.6#

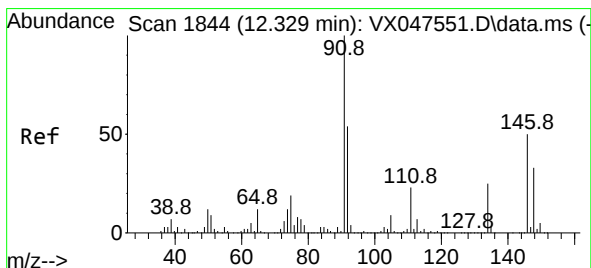
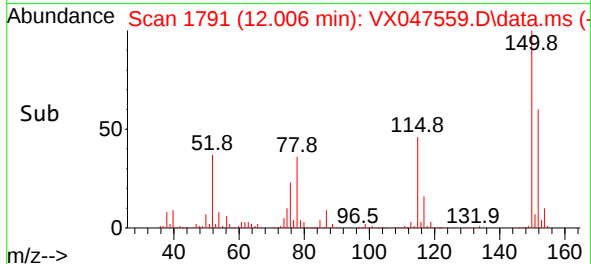
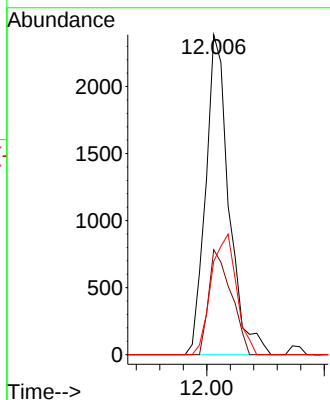
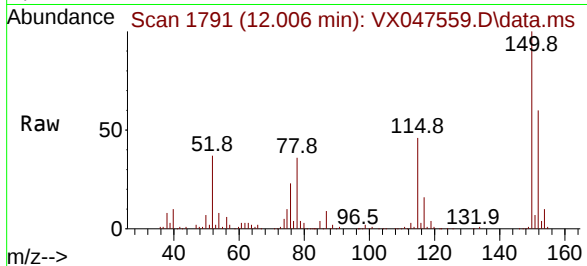




#86
p-Isopropyltoluene
Concen: 0.251 ug/l
RT: 12.006 min Scan# 119
Delta R.T. -0.000 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

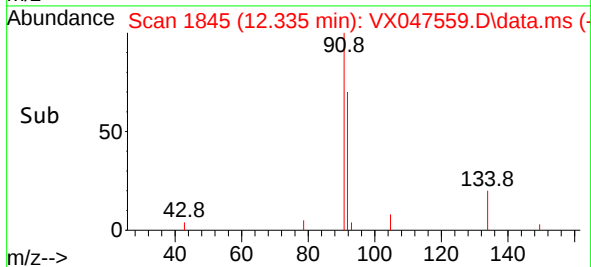
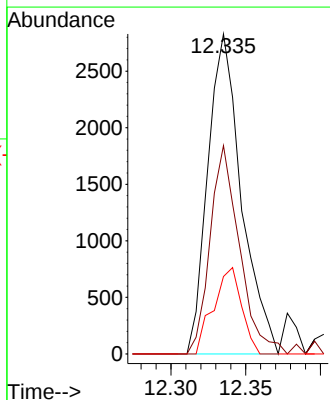
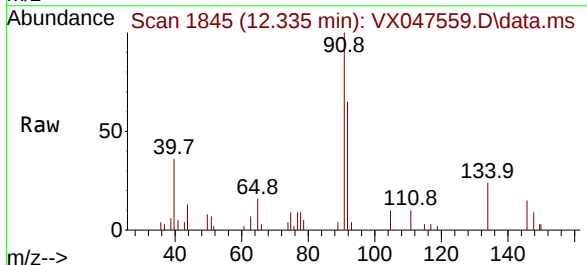
Instrument :
MSVOA_X
ClientSampleId :
VX0829WBL01

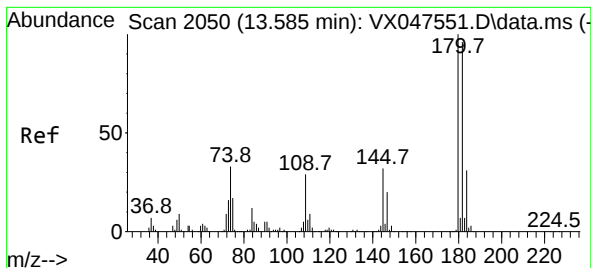
Tgt Ion:119 Resp: 3287
Ion Ratio Lower Upper
119 100
134 31.6 13.0 38.9
91 40.8 12.4 37.2#



#89
n-Butylbenzene
Concen: 0.364 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

Tgt Ion: 91 Resp: 4414
Ion Ratio Lower Upper
91 100
92 56.9 27.0 81.0
134 22.6 12.6 37.6





#93

1,2,4-Trichlorobenzene

Concen: 0.490 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX047559.D

Acq: 29 Aug 2025 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBL01

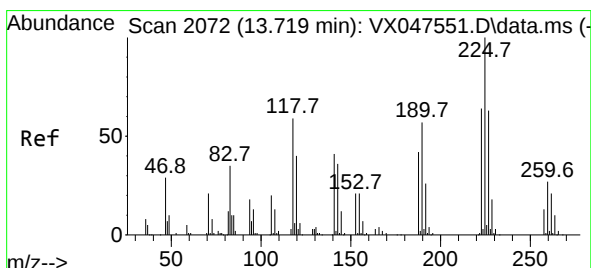
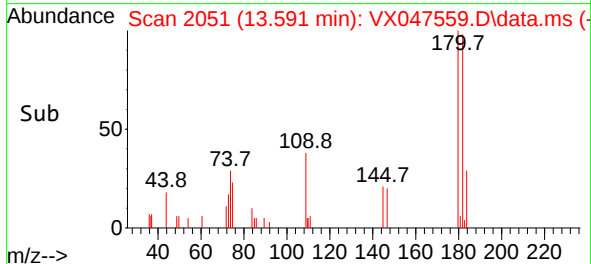
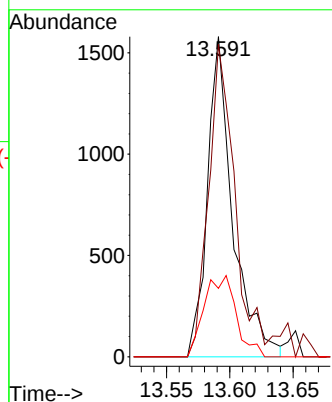
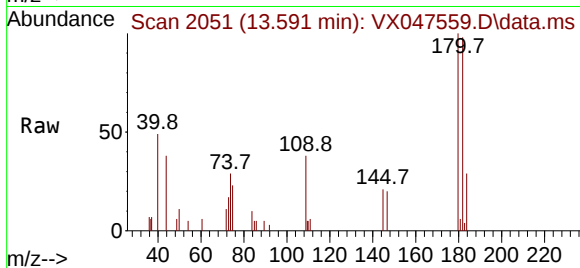
Tgt Ion:180 Resp: 2202

Ion Ratio Lower Upper

180 100

182 103.7 47.7 143.1

145 32.0 16.3 48.8



#94

Hexachlorobutadiene

Concen: 1.781 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.006 min

Lab File: VX047559.D

Acq: 29 Aug 2025 10:35

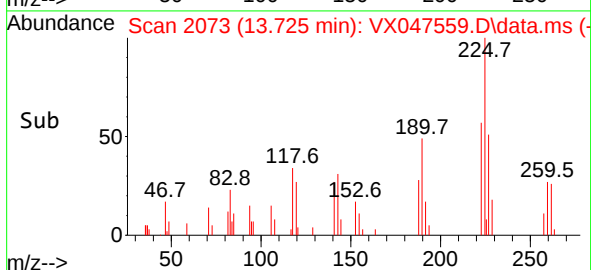
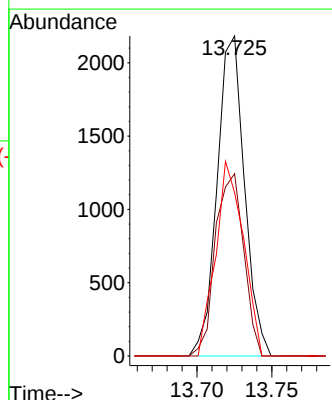
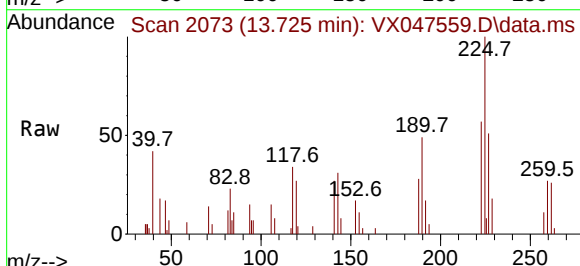
Tgt Ion:225 Resp: 2783

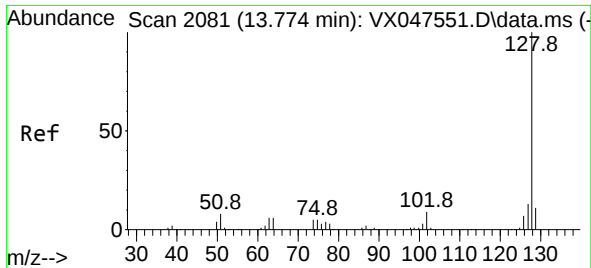
Ion Ratio Lower Upper

225 100

223 58.9 31.1 93.5

227 61.4 31.8 95.3

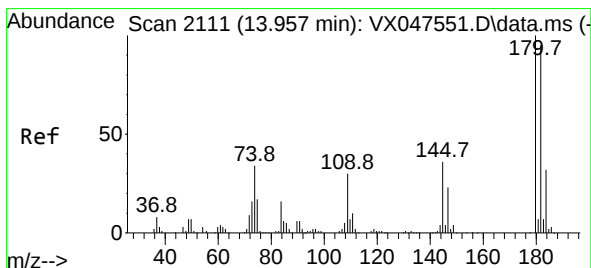
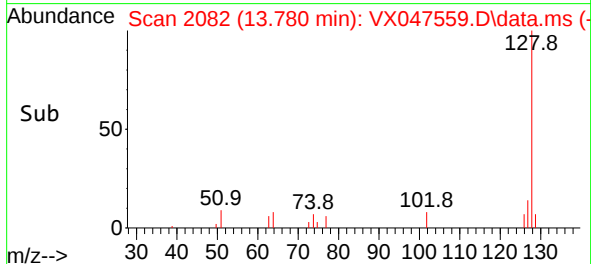
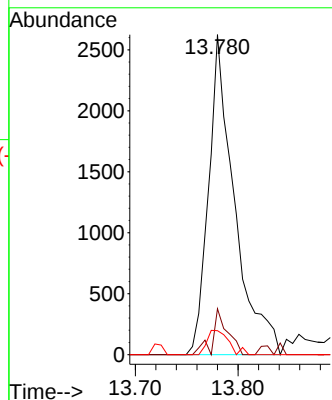
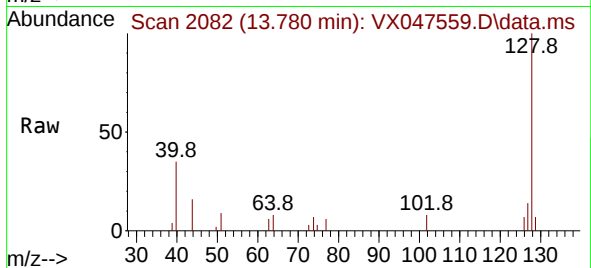




#95
Naphthalene
Concen: 0.350 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBL01

Tgt Ion:128 Resp: 4594
Ion Ratio Lower Upper
128 100
127 8.3 10.0 15.0#
129 6.3 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.508 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX047559.D
Acq: 29 Aug 2025 10:35

Tgt Ion:180 Resp: 2146
Ion Ratio Lower Upper
180 100
182 93.2 48.1 144.4
145 29.4 17.6 52.9

