

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082625\
 Data File : VX047531.D
 Acq On : 26 Aug 2025 13:30
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 27 01:36:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

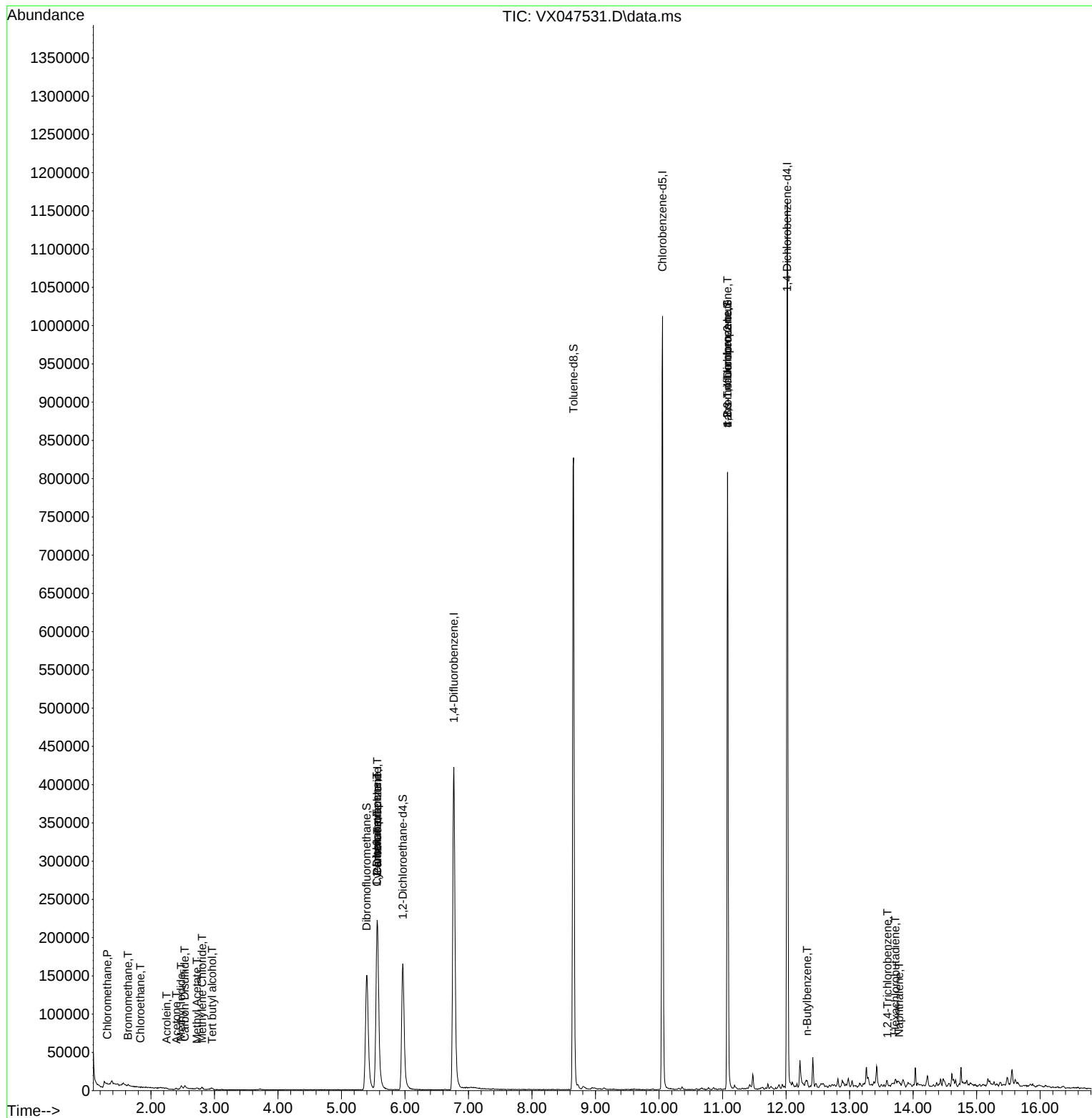
Internal Standards						
1) Pentafluorobenzene	5.562	168	225174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	453719	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	457530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	229596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	172613	54.774	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 109.540%		
35) Dibromofluoromethane	5.397	113	143266	48.653	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.300%		
50) Toluene-d8	8.653	98	515696	48.997	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 98.000%		
62) 4-Bromofluorobenzene	11.079	95	217855	56.091	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 112.180%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	724	0.280	ug/l #	84
5) Bromomethane	1.636	94	1473	1.125	ug/l #	71
6) Chloroethane	1.831	64	494	0.249	ug/l #	44
10) Methyl Iodide	2.477	142	7735	1.623	ug/l #	87
11) Tert butyl alcohol	2.965	59	275	1.003	ug/l #	72
13) Acrolein	2.245	56	322	0.556	ug/l #	66
16) Acetone	2.398	43	1930	1.629	ug/l	91
17) Carbon Disulfide	2.532	76	5284	0.618	ug/l #	88
18) Methyl Acetate	2.721	43	1608	0.524	ug/l #	63
20) Methylene Chloride	2.806	84	1106	0.353	ug/l #	89
31) Cyclohexane	5.556	56	4935	0.973	ug/l #	9
36) 1,1-Dichloropropene	5.556	75	18255	3.927	ug/l #	50
38) Carbon Tetrachloride	5.562	117	23440	4.614	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	112983	26.830	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	112983	106.146	ug/l #	7
89) n-Butylbenzene	12.329	91	3157	0.219	ug/l	85
93) 1,2,4-Trichlorobenzene	13.597	180	1171	0.220	ug/l #	73
94) Hexachlorobutadiene	13.719	225	988	0.520	ug/l	89
95) Naphthalene	13.780	128	3289	0.216	ug/l #	84

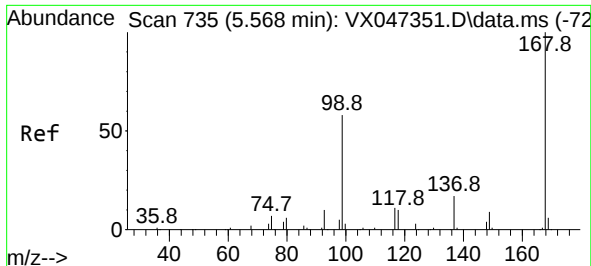
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
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QLast Update : Mon Aug 18 04:18:28 2025
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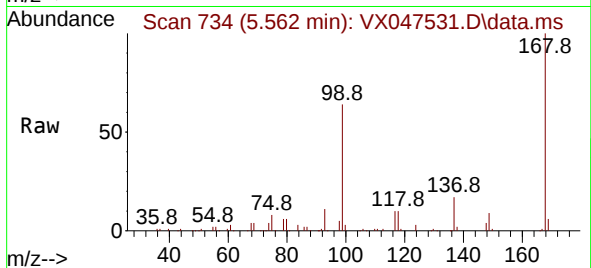


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30

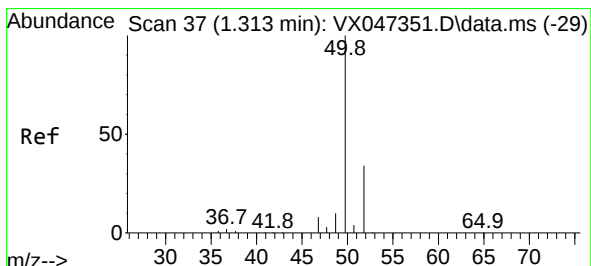
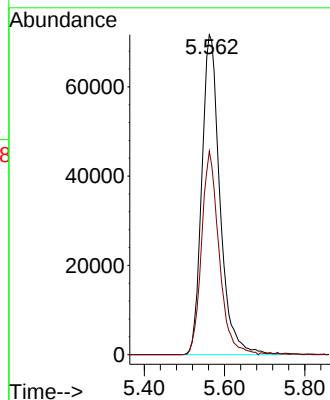
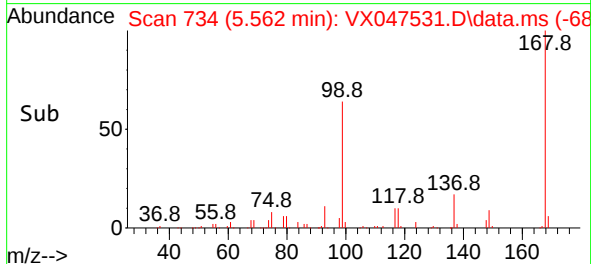
Instrument :

MSVOA_X

ClientSampleId :

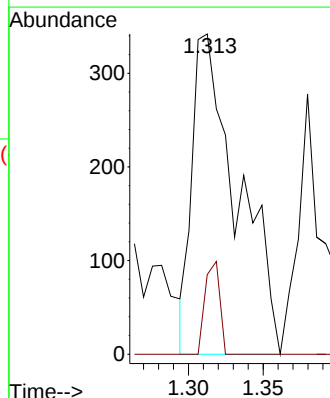
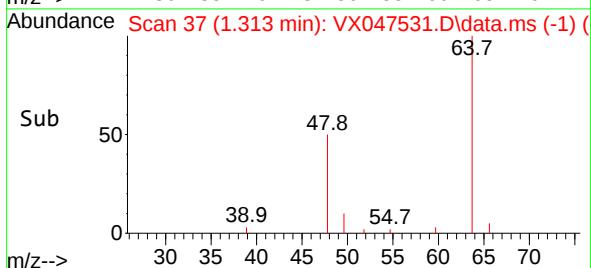
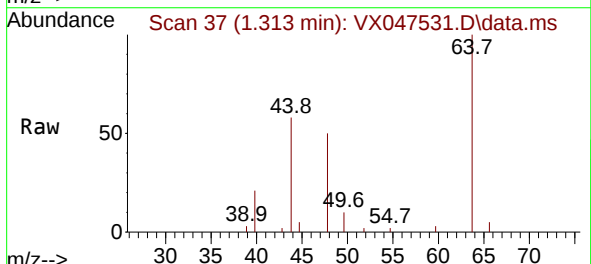


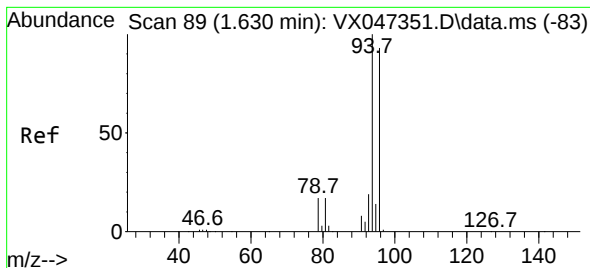
Tgt Ion:168 Resp: 225174
Ion Ratio Lower Upper
168 100
99 63.6 47.9 71.9



#3
Chloromethane
Concen: 0.280 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30

Tgt Ion: 50 Resp: 724
Ion Ratio Lower Upper
50 100
52 24.9 27.0 40.4#





#5

Bromomethane

Concen: 1.125 ug/l

RT: 1.636 min Scan# 90

Delta R.T. 0.006 min

Lab File: VX047531.D

Acq: 26 Aug 2025 13:30

Instrument :

MSVOA_X

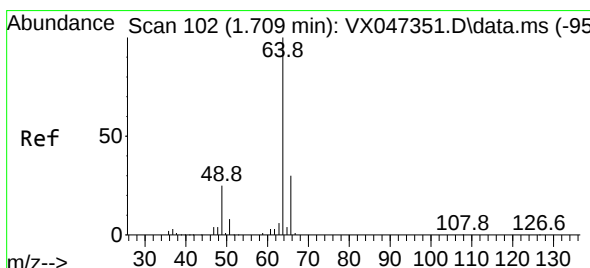
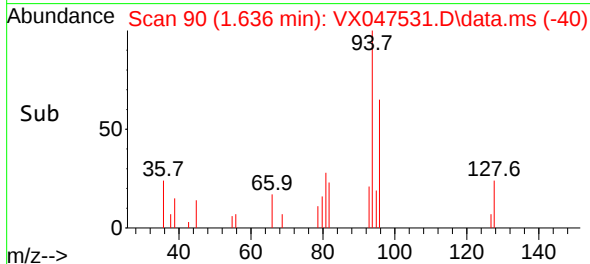
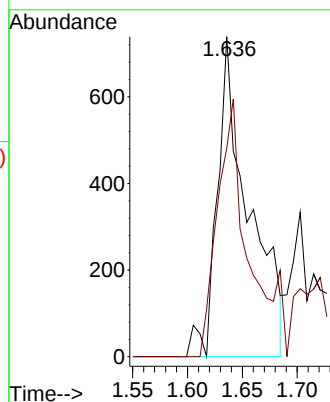
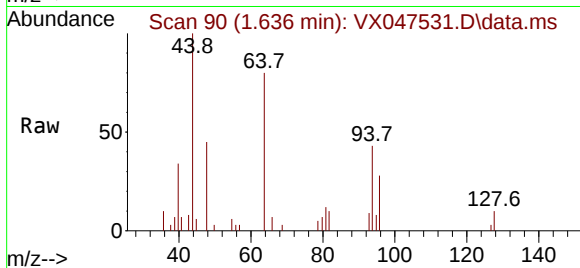
ClientSampleId :

Tgt Ion: 94 Resp: 1473

Ion Ratio Lower Upper

94 100

96 65.2 74.7 112.1#



#6

Chloroethane

Concen: 0.249 ug/l

RT: 1.831 min Scan# 122

Delta R.T. 0.122 min

Lab File: VX047531.D

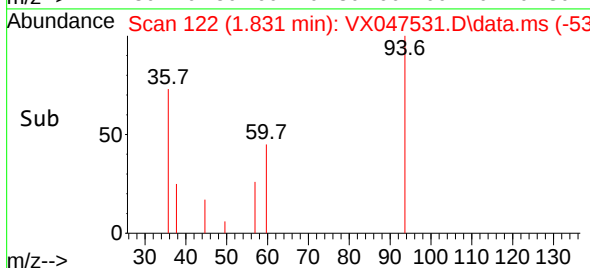
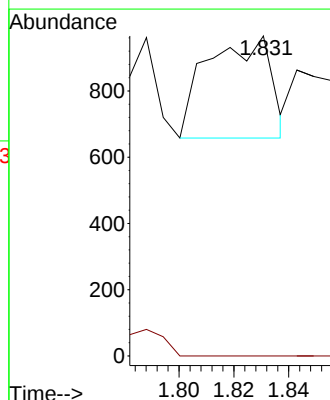
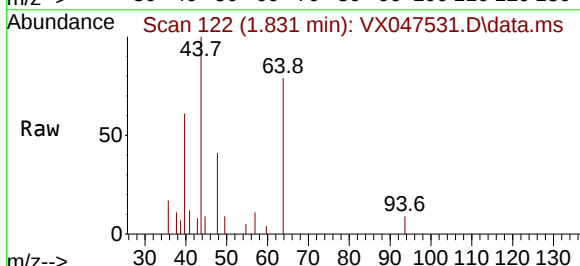
Acq: 26 Aug 2025 13:30

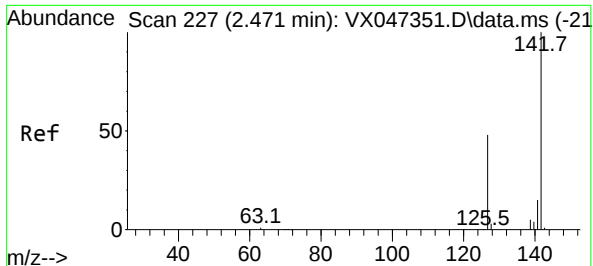
Tgt Ion: 64 Resp: 494

Ion Ratio Lower Upper

64 100

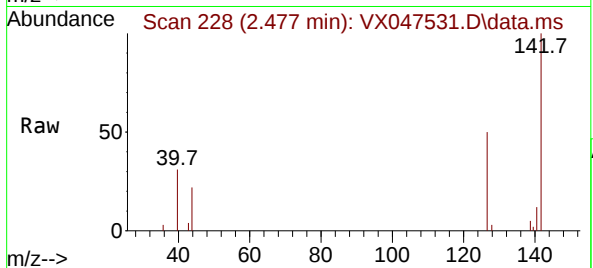
66 0.0 24.4 36.6#



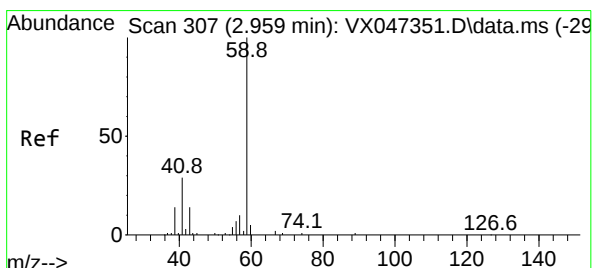
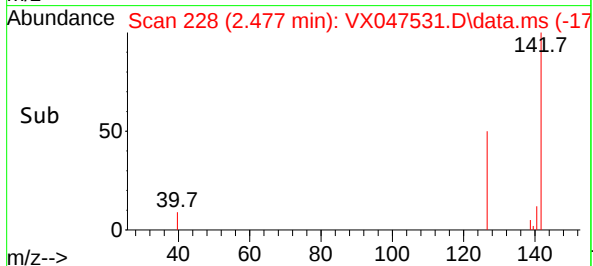
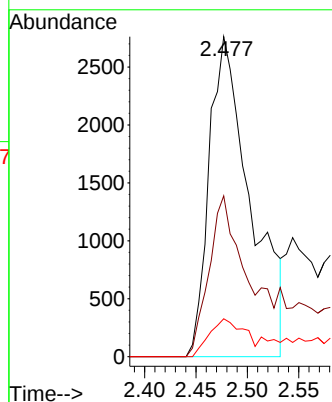


#10
Methyl Iodide
Concen: 1.623 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30

Instrument :
MSVOA_X
ClientSampleId :

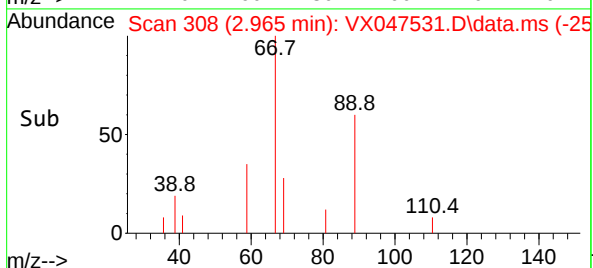
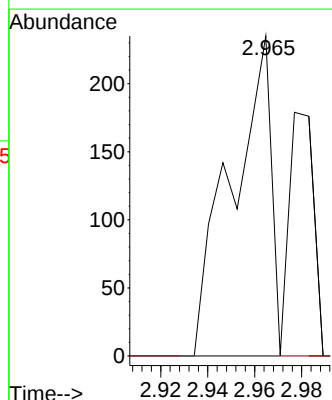
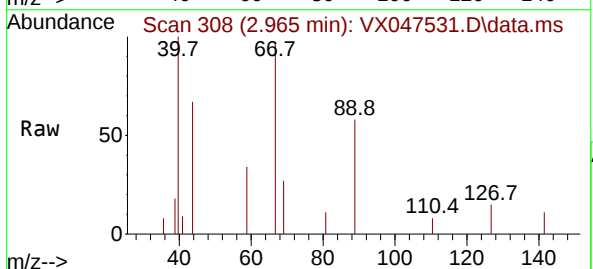


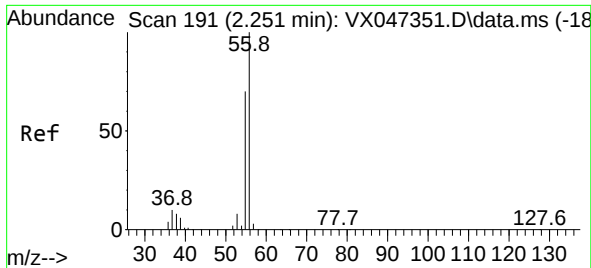
Tgt Ion:142 Resp: 7735
Ion Ratio Lower Upper
142 100
127 54.0 36.1 54.1
141 10.0 11.1 16.7#



#11
Tert butyl alcohol
Concen: 1.003 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30

Tgt Ion: 59 Resp: 275
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

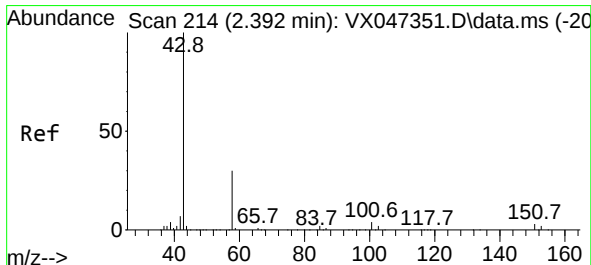
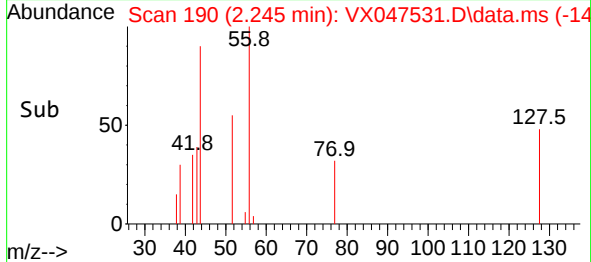
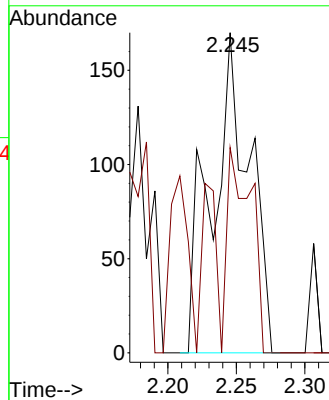
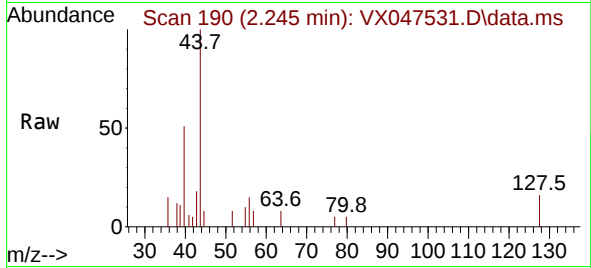




#13
Acrolein
Concen: 0.556 ug/l
RT: 2.245 min Scan# 191
Delta R.T. -0.006 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30

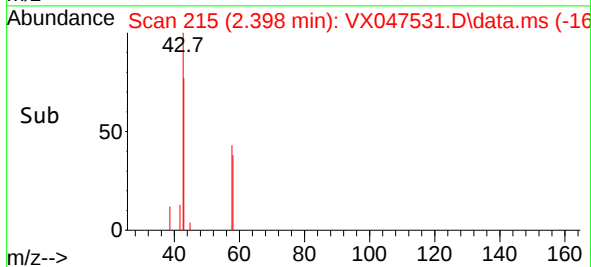
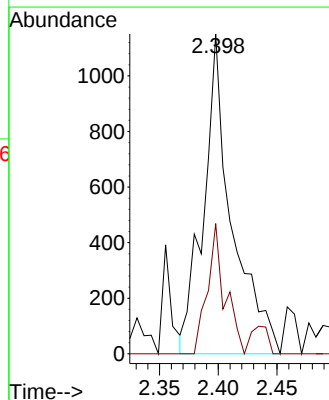
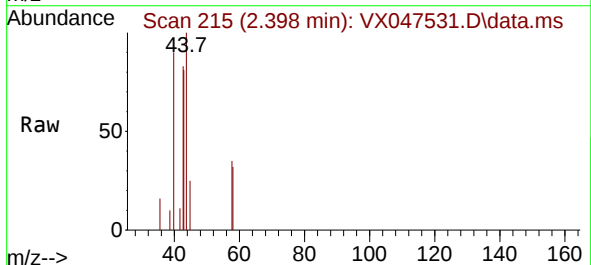
Instrument :
MSVOA_X
ClientSampleId :

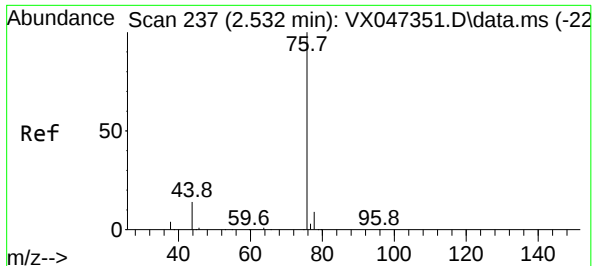
Tgt Ion: 56 Resp: 322
Ion Ratio Lower Upper
56 100
55 41.3 55.5 83.3#



#16
Acetone
Concen: 1.629 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30

Tgt Ion: 43 Resp: 1930
Ion Ratio Lower Upper
43 100
58 26.3 24.8 37.2

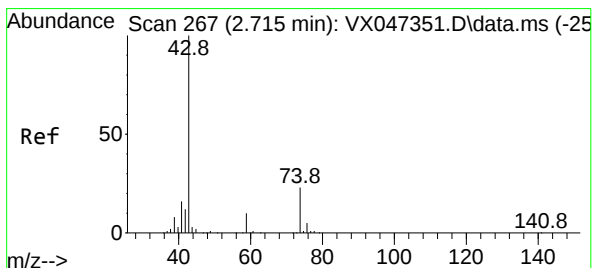
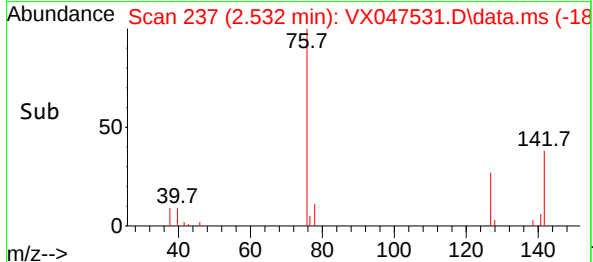
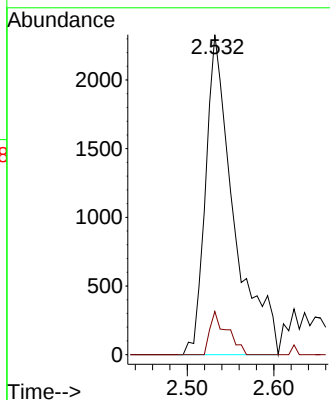
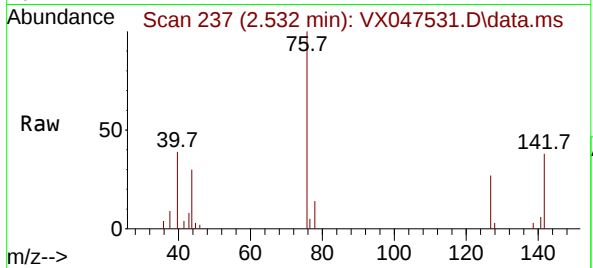




#17
Carbon Disulfide
Concen: 0.618 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30

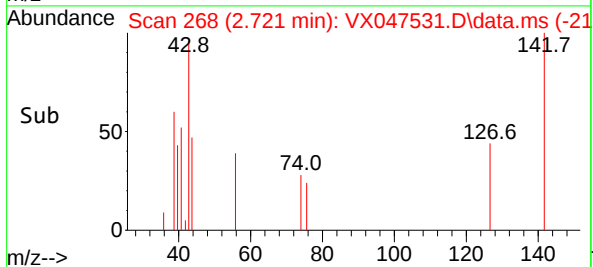
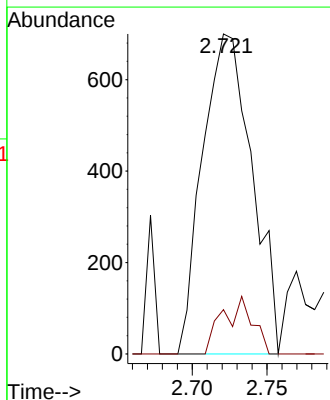
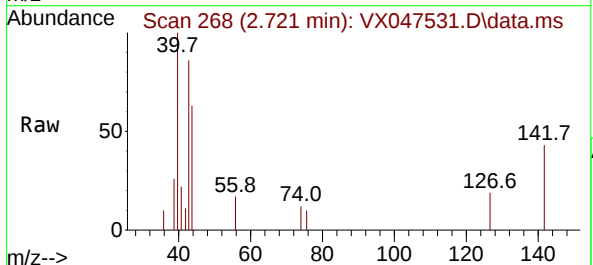
Instrument :
MSVOA_X
ClientSampleId :

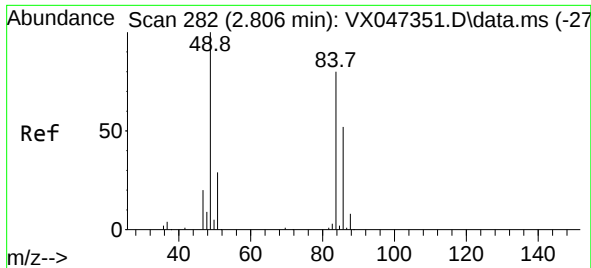
Tgt Ion: 76 Resp: 5284
Ion Ratio Lower Upper
76 100
78 13.5 7.2 10.8#



#18
Methyl Acetate
Concen: 0.524 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30

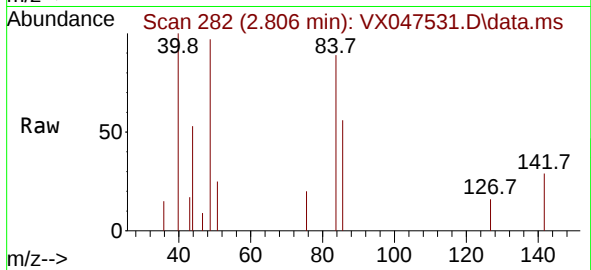
Tgt Ion: 43 Resp: 1608
Ion Ratio Lower Upper
43 100
74 5.2 18.4 27.6#



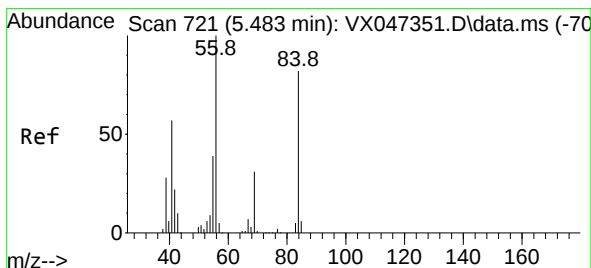
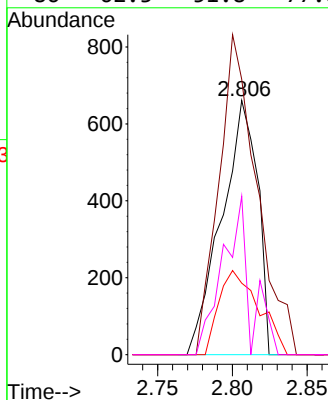
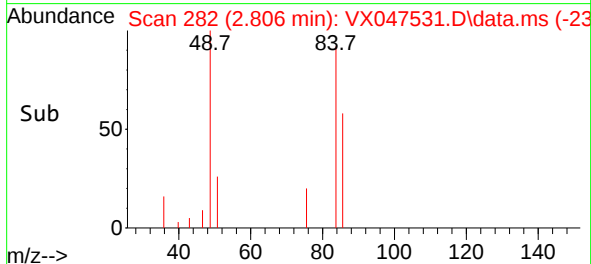


#20
Methylene Chloride
Concen: 0.353 ug/l
RT: 2.806 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30

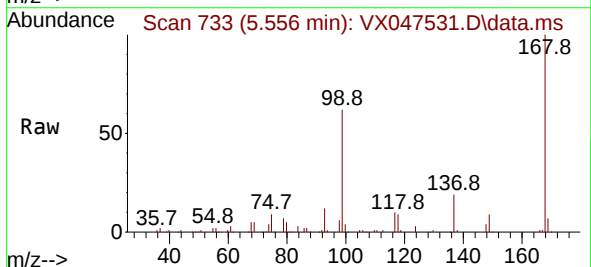
Instrument :
MSVOA_X
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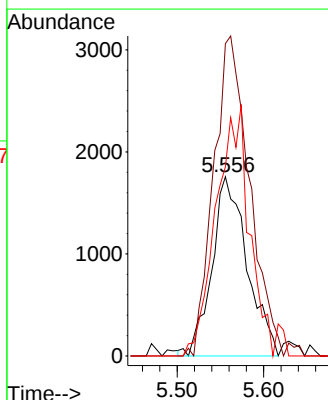
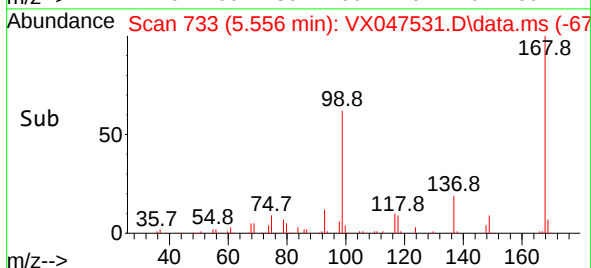
Tgt Ion:	84	Resp:	1106
Ion	Ratio	Lower	Upper
84	100		
49	108.3	100.1	150.1
51	28.1	29.5	44.3#
86	62.3	51.8	77.8

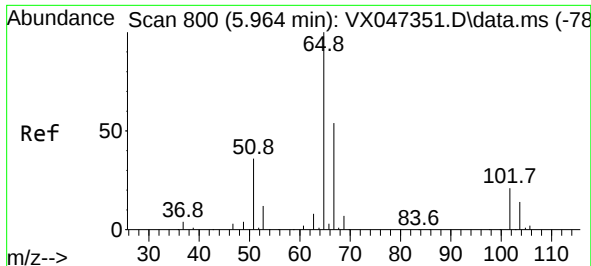


#31
Cyclohexane
Concen: 0.973 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30



Tgt Ion:	56	Resp:	4935
Ion	Ratio	Lower	Upper
56	100		
69	174.3	24.3	36.5#
84	105.6	65.3	97.9#

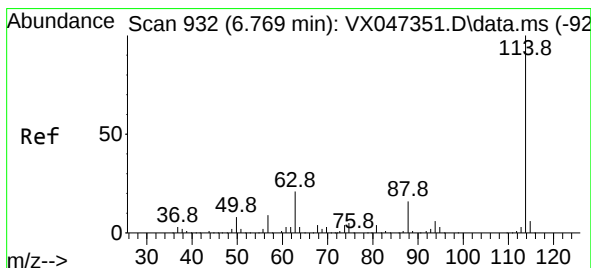
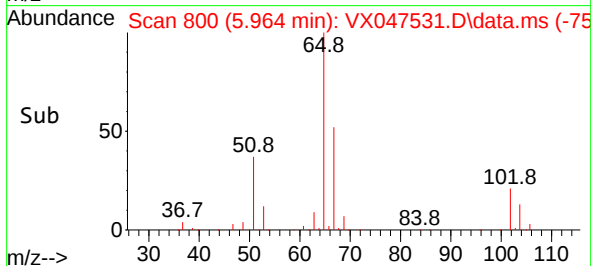
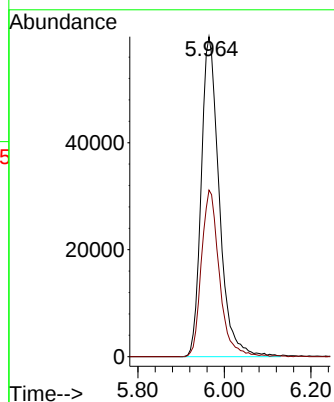
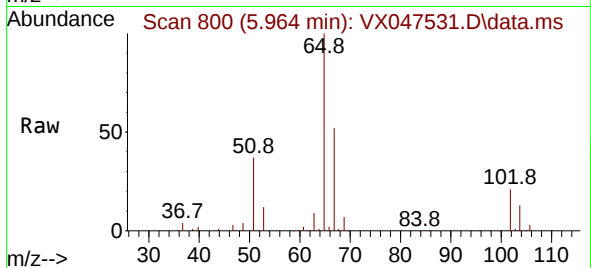




#33
 1,2-Dichloroethane-d4
 Concen: 54.774 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. -0.000 min
 Lab File: VX047531.D
 Acq: 26 Aug 2025 13:30

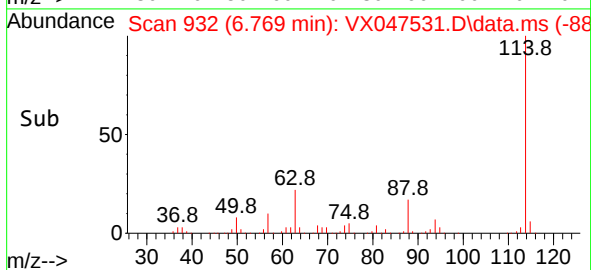
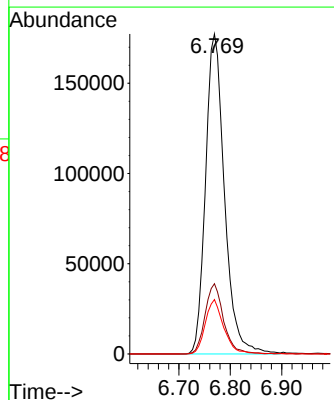
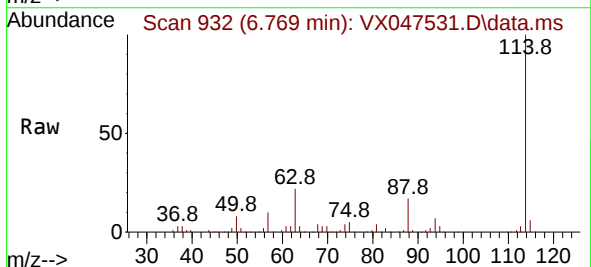
Instrument :
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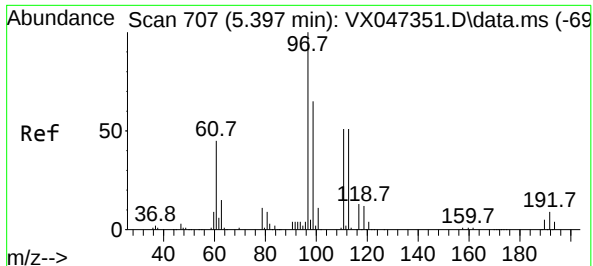
Tgt Ion: 65 Resp: 172613
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX047531.D
 Acq: 26 Aug 2025 13:30

Tgt Ion: 114 Resp: 453719
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 42.4
 88 17.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.653 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

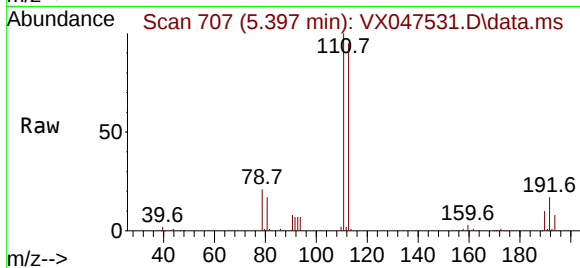
Lab File: VX047531.D

Acq: 26 Aug 2025 13:30

Instrument :

MSVOA_X

ClientSampleId :



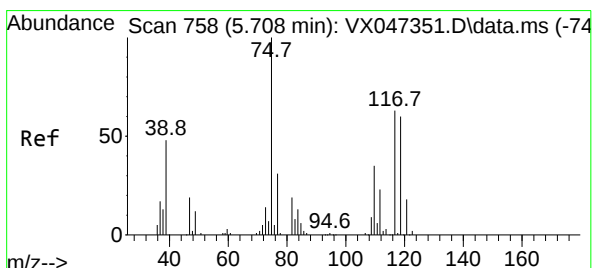
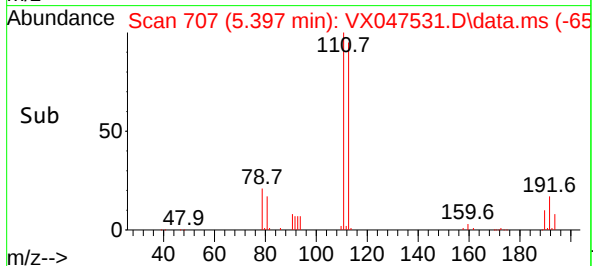
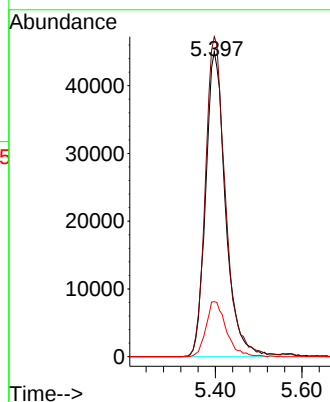
Tgt Ion:113 Resp: 143266

Ion Ratio Lower Upper

113 100

111 105.5 81.4 122.2

192 18.3 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.927 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.152 min

Lab File: VX047531.D

Acq: 26 Aug 2025 13:30

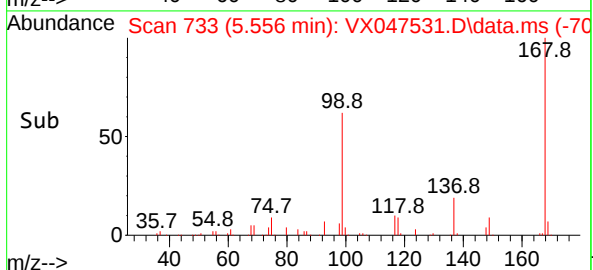
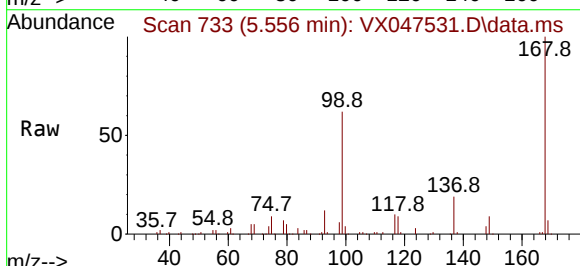
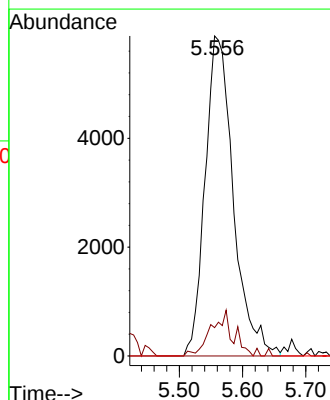
Tgt Ion: 75 Resp: 18255

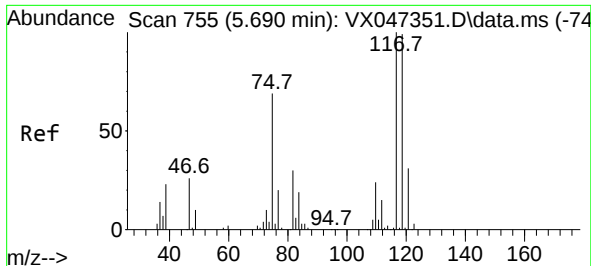
Ion Ratio Lower Upper

75 100

110 9.2 17.4 52.2#

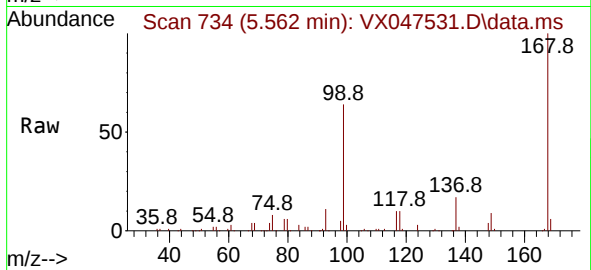
77 0.0 24.4 36.6#



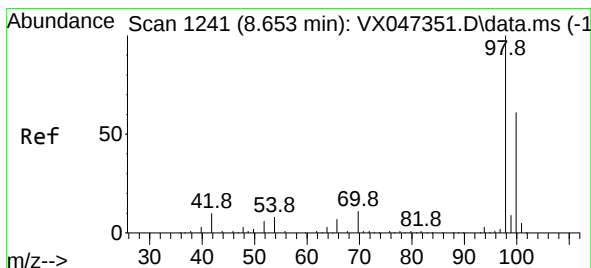
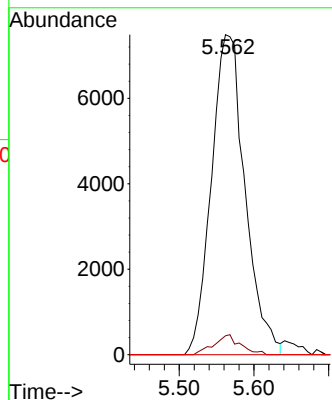
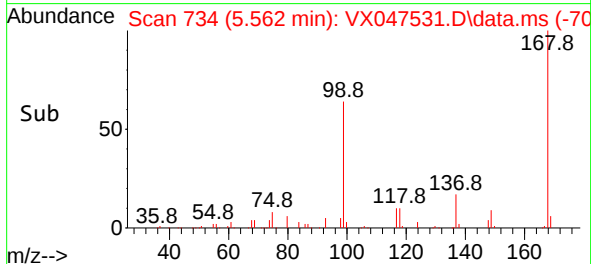


#38
Carbon Tetrachloride
Concen: 4.614 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30

Instrument :
MSVOA_X
ClientSampleId :

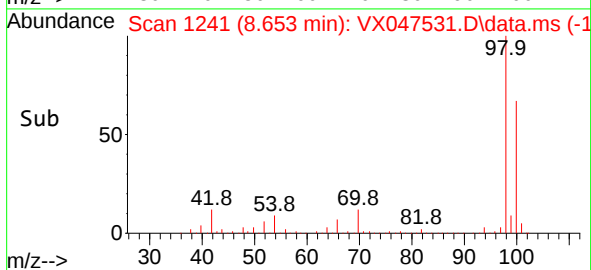
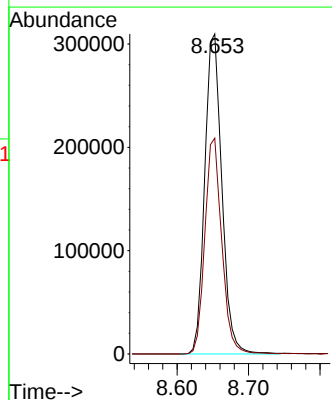
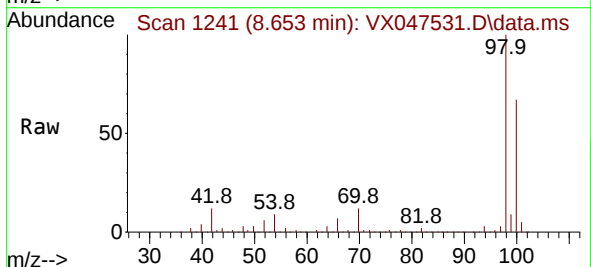


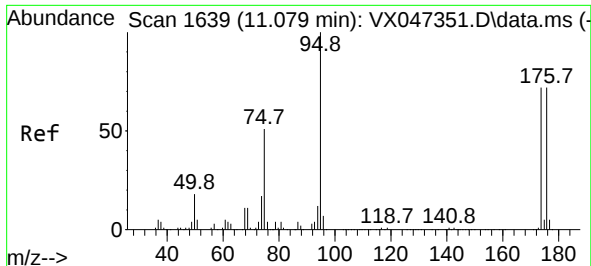
Tgt Ion:117 Resp: 23440
Ion Ratio Lower Upper
117 100
119 5.9 78.5 117.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.997 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30

Tgt Ion: 98 Resp: 515696
Ion Ratio Lower Upper
98 100
100 66.6 53.9 80.9

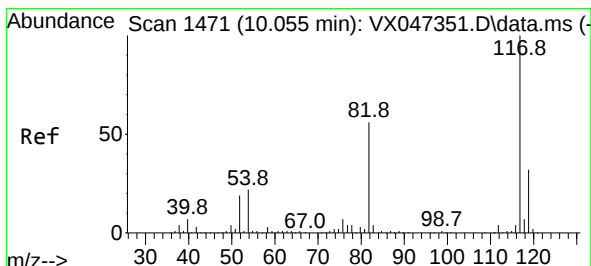
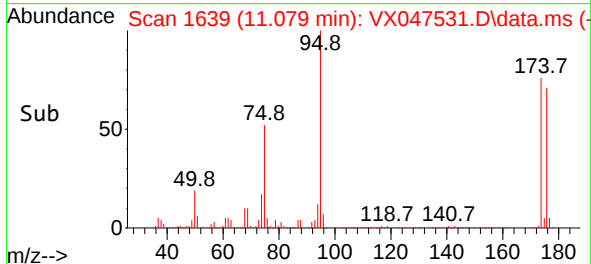
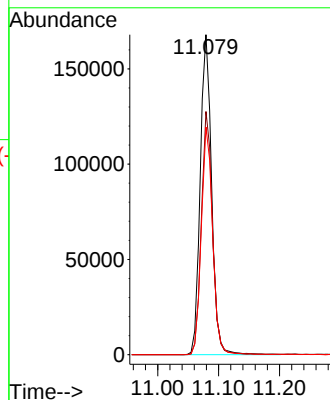
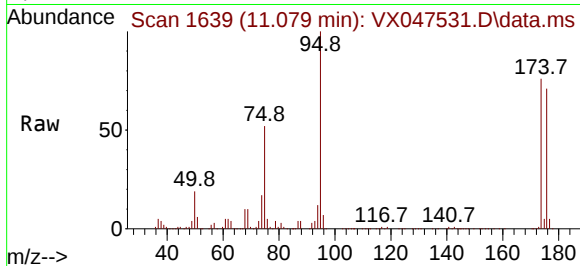




#62
4-Bromofluorobenzene
Concen: 56.091 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30

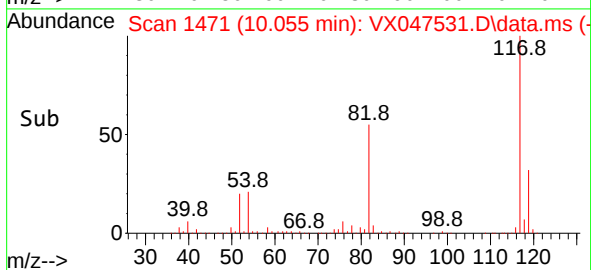
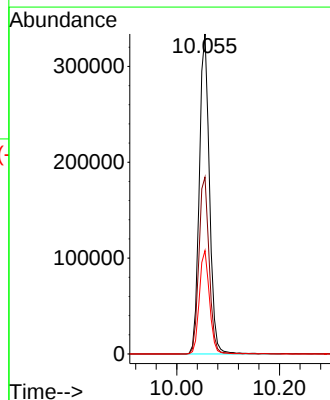
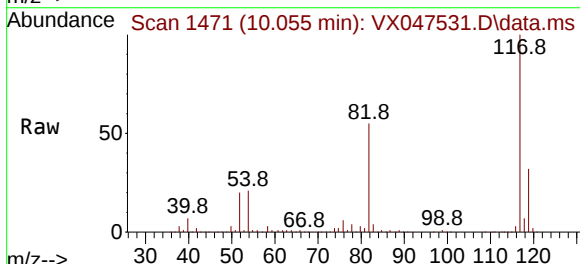
Instrument :
MSVOA_X
ClientSampleId :

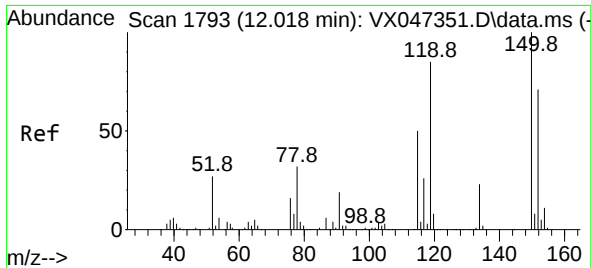
Tgt Ion: 95 Resp: 217855
Ion Ratio Lower Upper
95 100
174 74.7 0.0 148.0
176 71.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30

Tgt Ion: 117 Resp: 457530
Ion Ratio Lower Upper
117 100
82 55.3 45.0 67.4
119 32.3 25.8 38.8

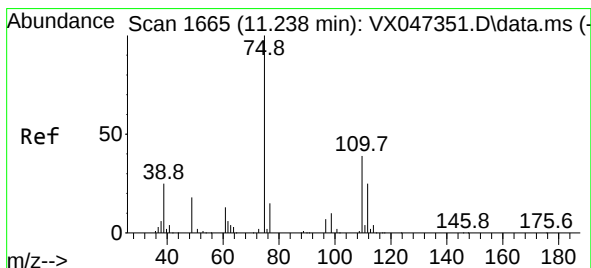
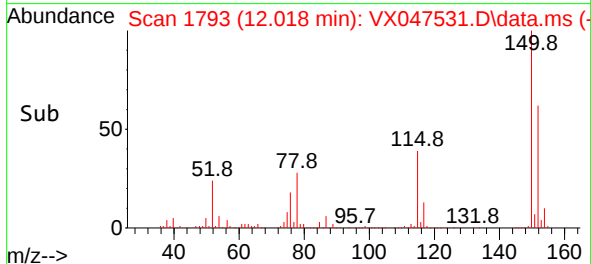
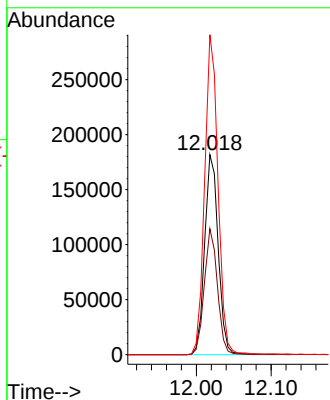
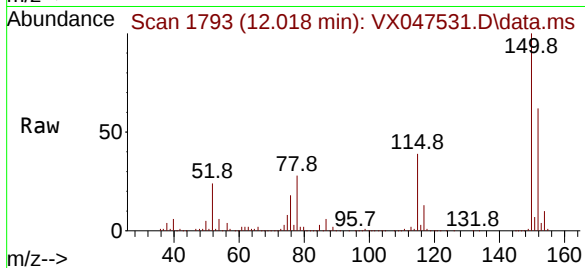




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047531.D
 Acq: 26 Aug 2025 13:30

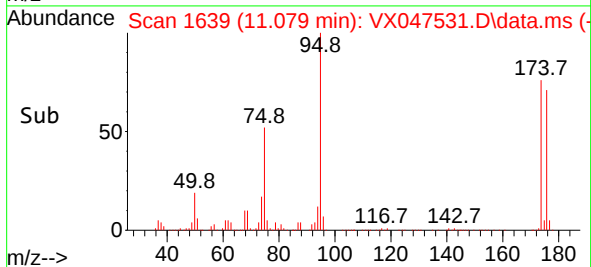
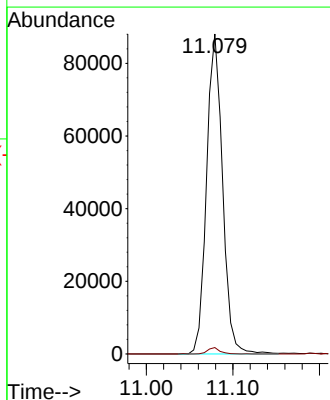
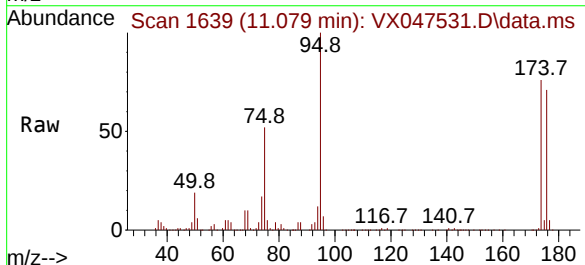
Instrument :
 MSVOA_X
 ClientSampleId :

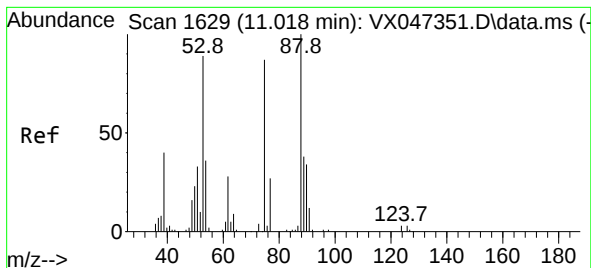
Tgt Ion:152 Resp: 229596
 Ion Ratio Lower Upper
 152 100
 115 61.3 44.6 133.8
 150 156.8 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 26.830 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX047531.D
 Acq: 26 Aug 2025 13:30

Tgt Ion: 75 Resp: 112983
 Ion Ratio Lower Upper
 75 100
 77 1.6 19.4 58.2#

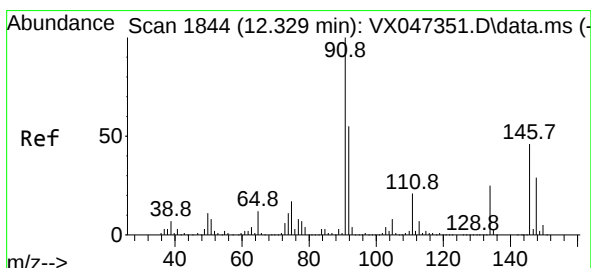
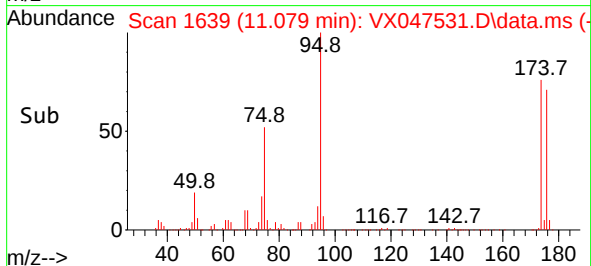
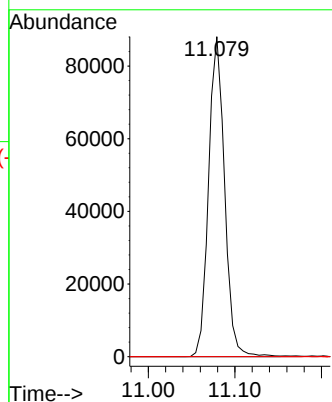
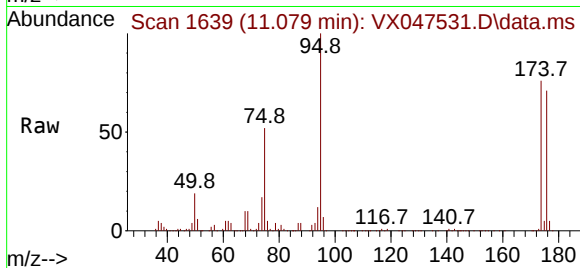




#81
trans-1,4-Dichloro-2-butene
Concen: 106.146 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30

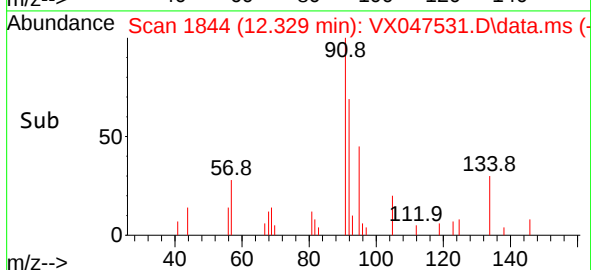
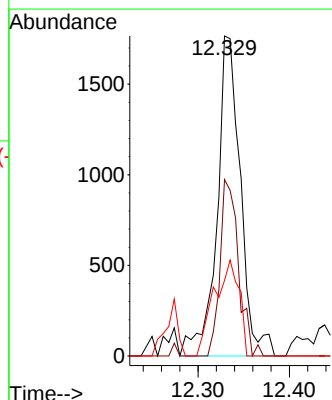
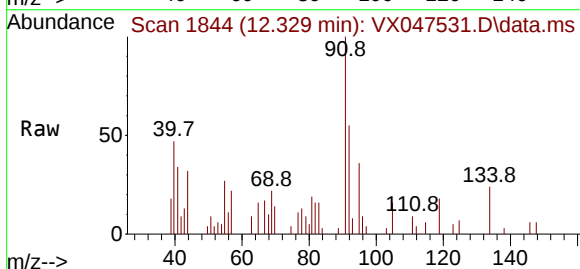
Instrument :
MSVOA_X
ClientSampleId :

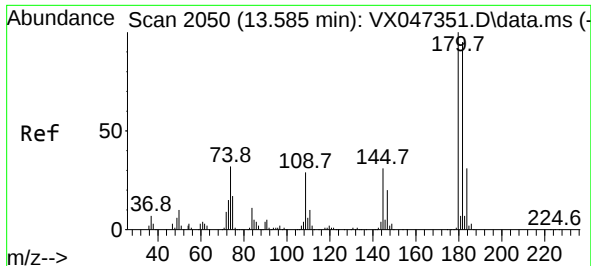
Tgt Ion: 75 Resp: 112983
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#89
n-Butylbenzene
Concen: 0.219 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX047531.D
Acq: 26 Aug 2025 13:30

Tgt Ion: 91 Resp: 3157
Ion Ratio Lower Upper
91 100
92 43.0 27.2 81.5
134 31.9 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.220 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX047531.D

Acq: 26 Aug 2025 13:30

Instrument :

MSVOA_X

ClientSampleId :

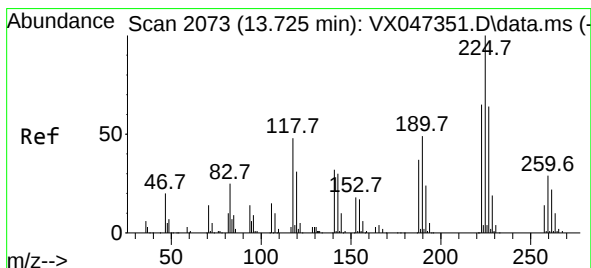
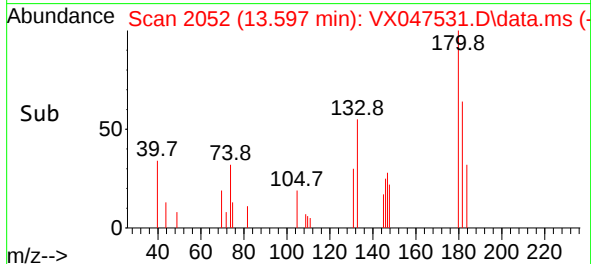
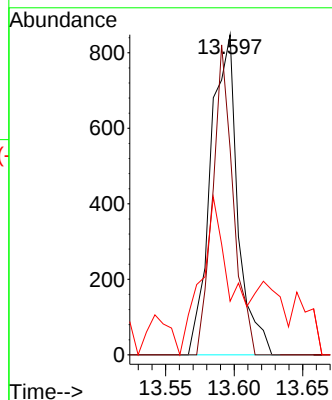
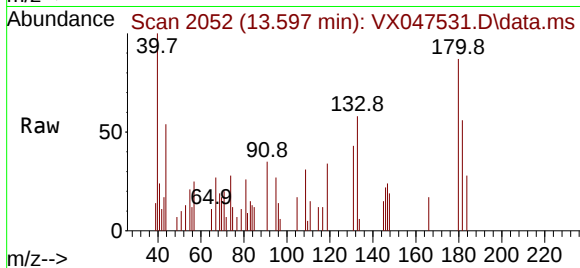
Tgt Ion:180 Resp: 1171

Ion Ratio Lower Upper

180 100

182 72.4 48.1 144.4

145 52.2 16.2 48.5#



#94

Hexachlorobutadiene

Concen: 0.520 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX047531.D

Acq: 26 Aug 2025 13:30

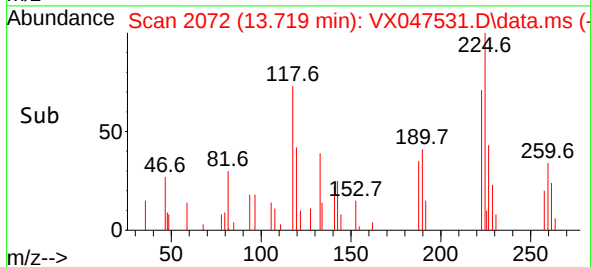
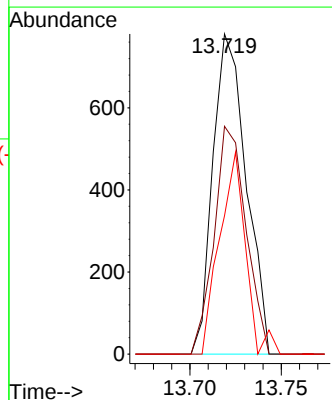
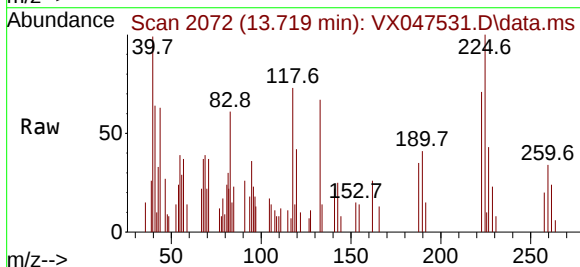
Tgt Ion:225 Resp: 988

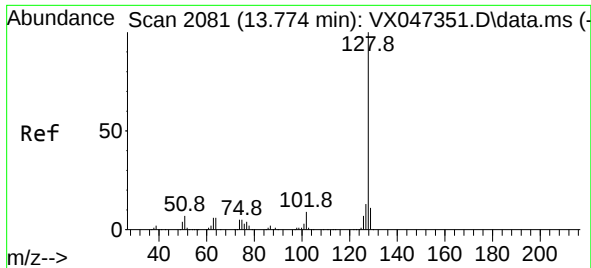
Ion Ratio Lower Upper

225 100

223 68.2 32.2 96.6

227 49.5 31.6 95.0





#95

Naphthalene

Concen: 0.216 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

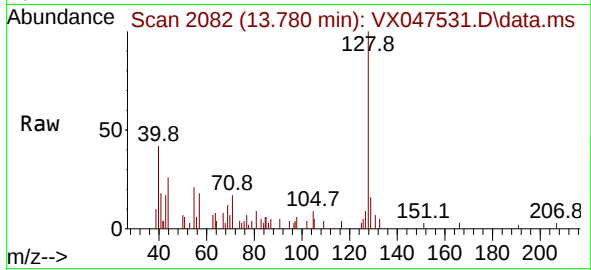
Lab File: VX047531.D

Acq: 26 Aug 2025 13:30

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 3289

Ion Ratio Lower Upper

128 100

127 2.8 10.1 15.1#

129 13.3 8.7 13.1#

