

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047481.D
 Acq On : 21 Aug 2025 19:03
 Operator : JC/MD
 Sample : Q2903-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-02-081925

Quant Time: Aug 22 03:53:58 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)

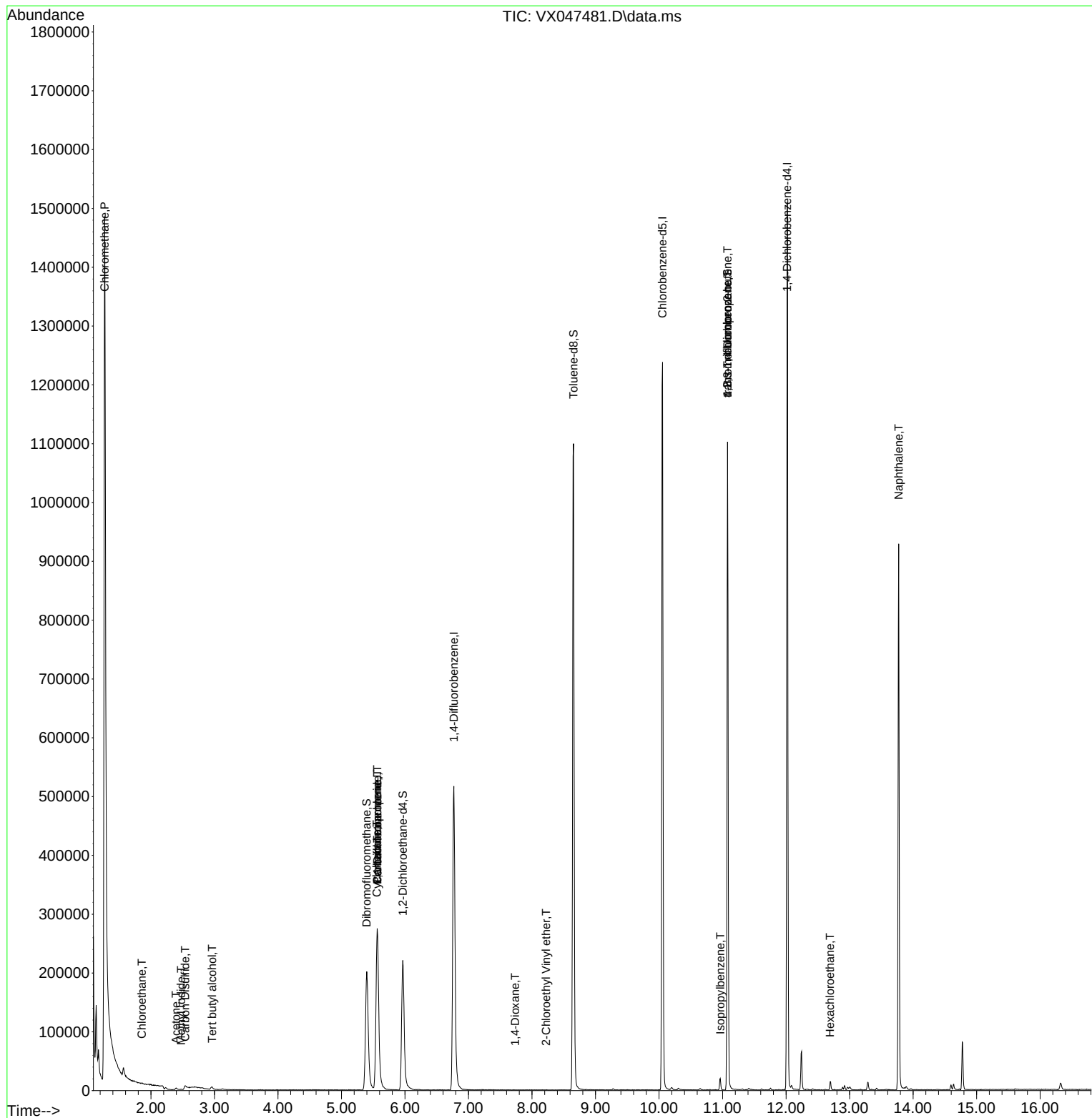
Internal Standards						
1) Pentafluorobenzene	5.562	168	269573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	558413	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	565979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	296567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	231672	61.407	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	122.820%#
35) Dibromofluoromethane	5.397	113	190907	52.676	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.360%
50) Toluene-d8	8.653	98	683495	52.764	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.520%
62) 4-Bromofluorobenzene	11.079	95	292626	61.217	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	122.440%
Target Compounds						
						Qvalue
3) Chloromethane	1.270	50	54705	17.696	ug/l #	42
6) Chloroethane	1.855	64	2684	1.131	ug/l #	44
10) Methyl Iodide	2.477	142	1143	0.200	ug/l #	92
11) Tert butyl alcohol	2.965	59	1942	5.917	ug/l #	72
16) Acetone	2.392	43	3571	2.518	ug/l	94
17) Carbon Disulfide	2.538	76	11313	1.105	ug/l	99
31) Cyclohexane	5.556	56	6095	1.004	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	22818	3.988	ug/l #	50
38) Carbon Tetrachloride	5.562	117	28466	4.553	ug/l #	14
49) 1,4-Dioxane	7.732	88	24	0.557	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.220	63	26	8.364	ug/l #	46
73) Isopropylbenzene	10.964	105	10063	0.434	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	151200	27.797	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	151200	109.689	ug/l #	7
90) Hexachloroethane	12.695	117	6318	1.802	ug/l #	15
95) Naphthalene	13.774	128	549470	27.910	ug/l	100

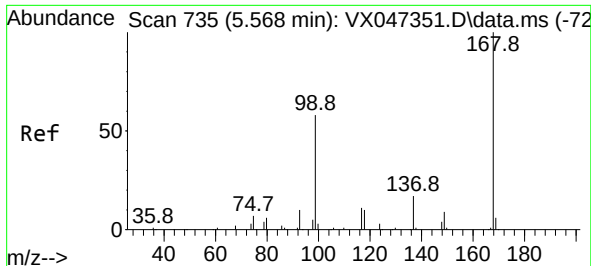
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047481.D
Acq On : 21 Aug 2025 19:03
Operator : JC/MD
Sample : Q2903-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

Quant Time: Aug 22 03:53:58 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

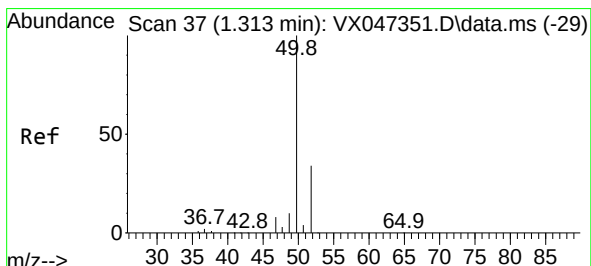
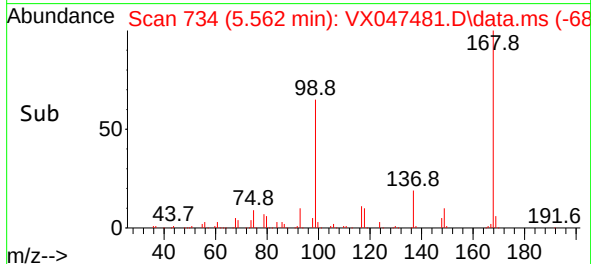
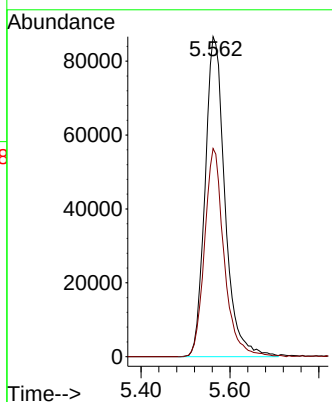
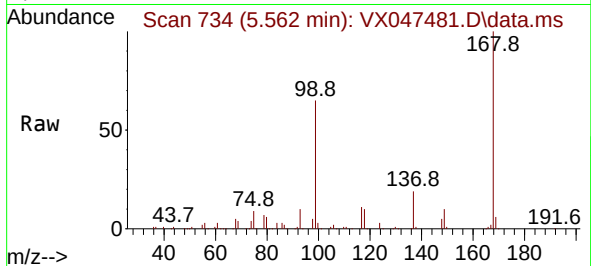




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

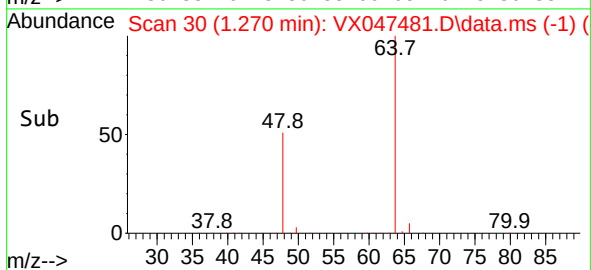
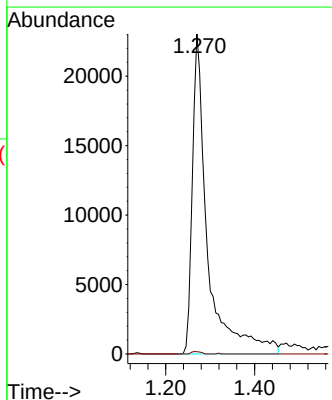
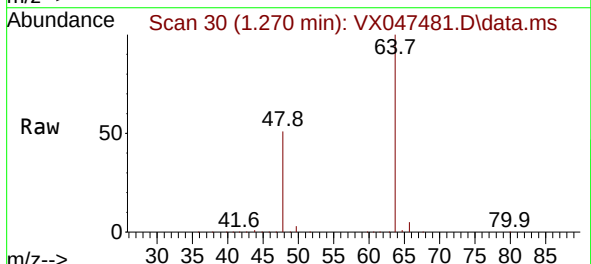
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

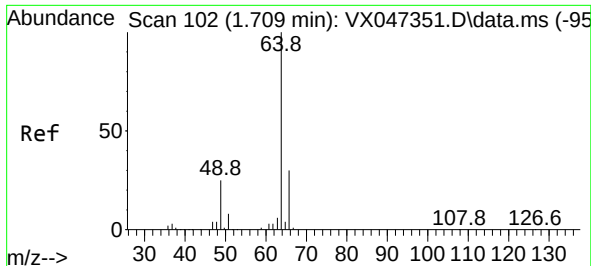
Tgt Ion:168 Resp: 269573
Ion Ratio Lower Upper
168 100
99 65.1 47.9 71.9



#3
Chloromethane
Concen: 17.696 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.043 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

Tgt Ion: 50 Resp: 54705
Ion Ratio Lower Upper
50 100
52 0.7 27.0 40.4#

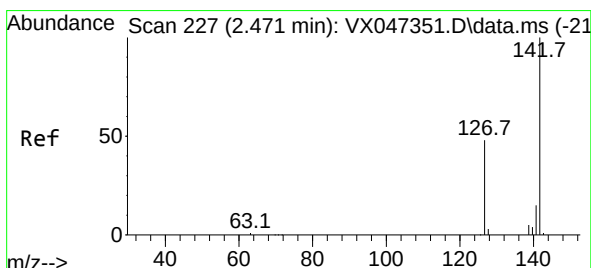
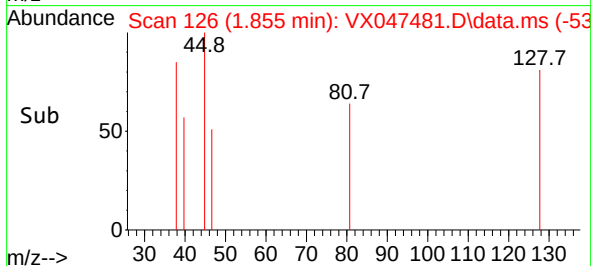
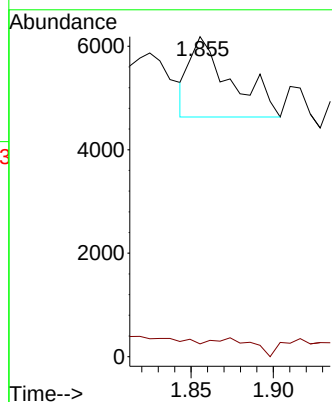
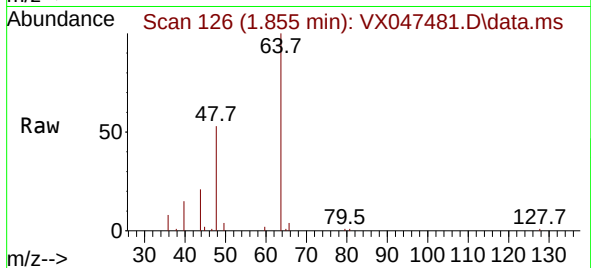




#6
Chloroethane
Concen: 1.131 ug/l
RT: 1.855 min Scan# 11
Delta R.T. 0.147 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

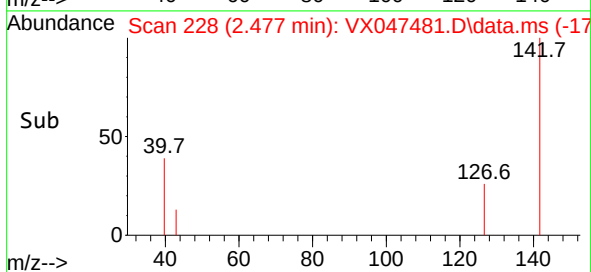
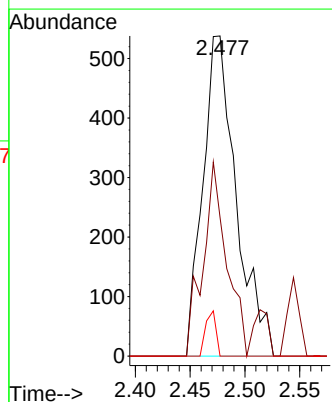
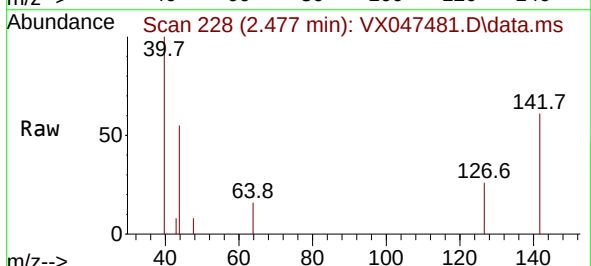
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

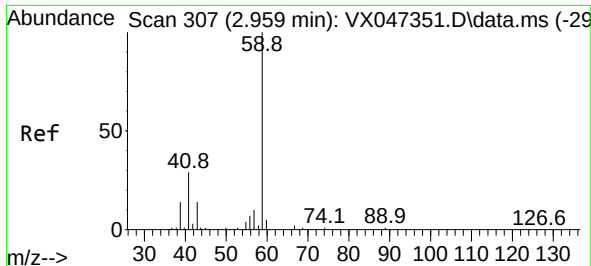
Tgt Ion: 64 Resp: 2684
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.200 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

Tgt Ion:142 Resp: 1143
Ion Ratio Lower Upper
142 100
127 43.0 36.1 54.1
141 4.3 11.1 16.7#

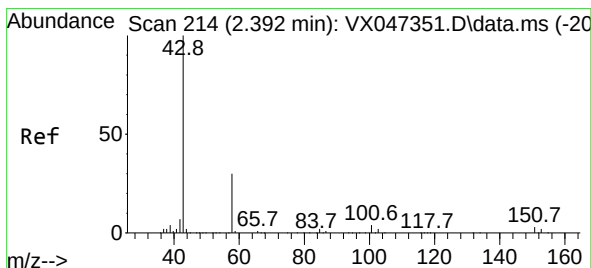
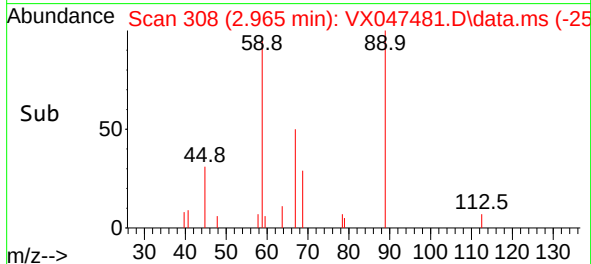
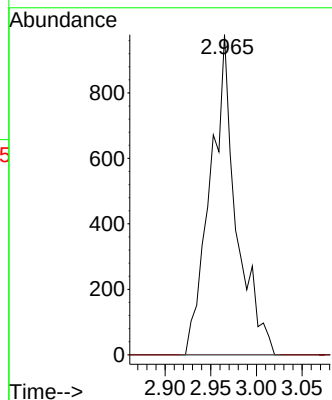
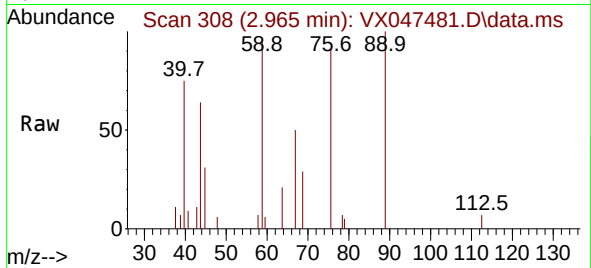




#11
Tert butyl alcohol
Concen: 5.917 ug/l
RT: 2.965 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

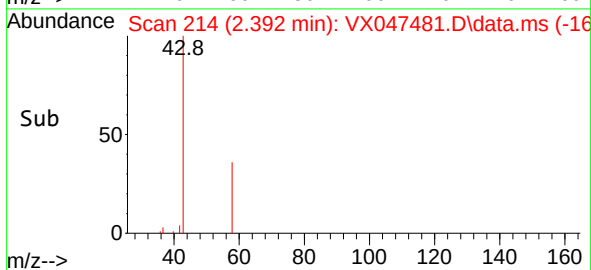
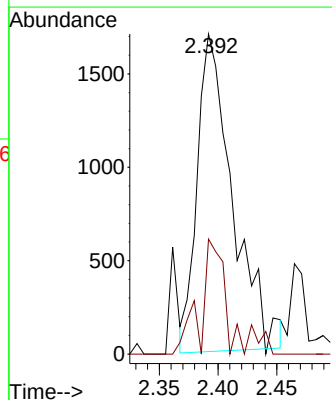
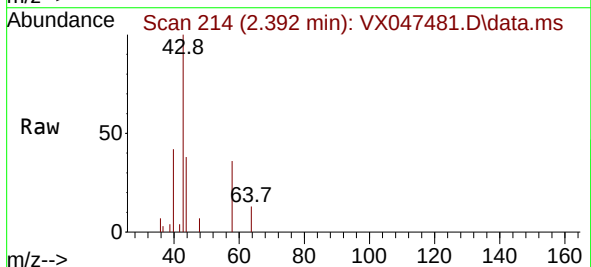
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

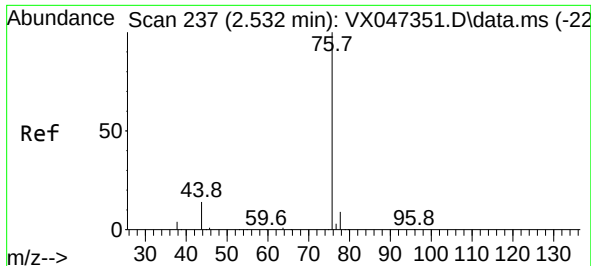
Tgt Ion: 59 Resp: 1942
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 2.518 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

Tgt Ion: 43 Resp: 3571
Ion Ratio Lower Upper
43 100
58 27.7 24.8 37.2

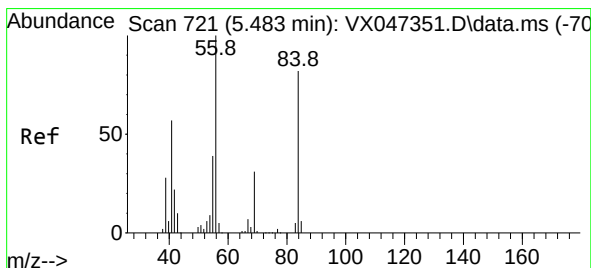
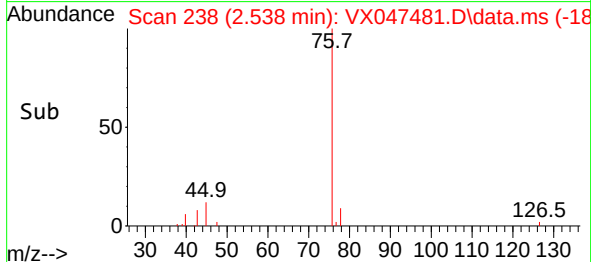
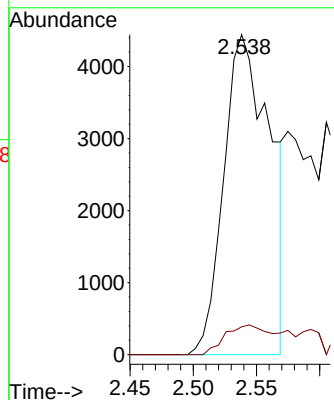
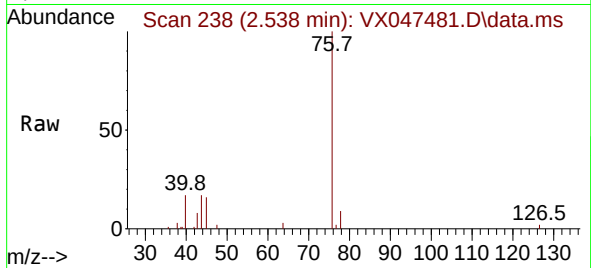




#17
Carbon Disulfide
Concen: 1.105 ug/l
RT: 2.538 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

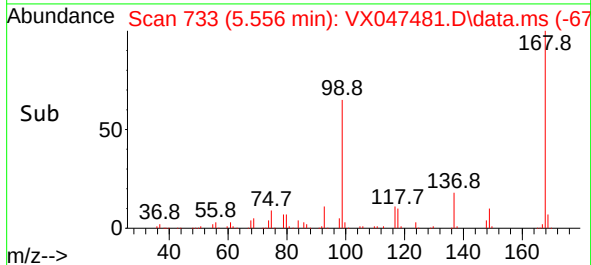
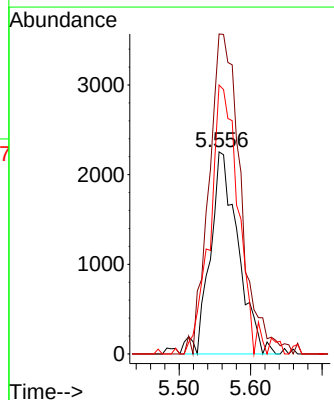
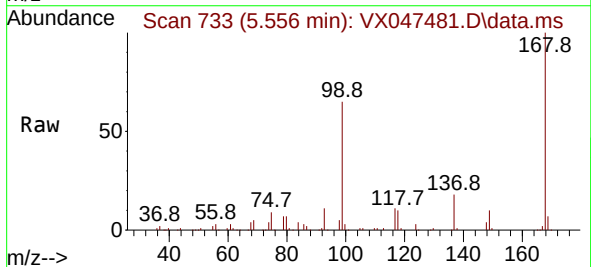
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

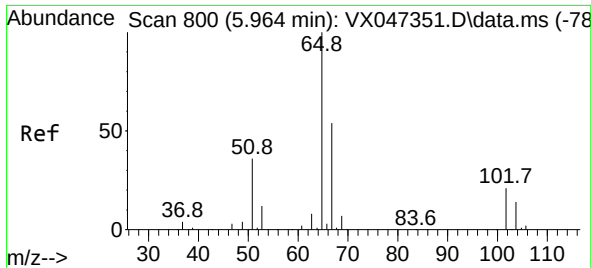
Tgt Ion: 76 Resp: 11313
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#31
Cyclohexane
Concen: 1.004 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

Tgt Ion: 56 Resp: 6095
Ion Ratio Lower Upper
56 100
69 153.6 24.3 36.5#
84 129.1 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 61.407 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047481.D

Acq: 21 Aug 2025 19:03

Instrument :

MSVOA_X

ClientSampleId :

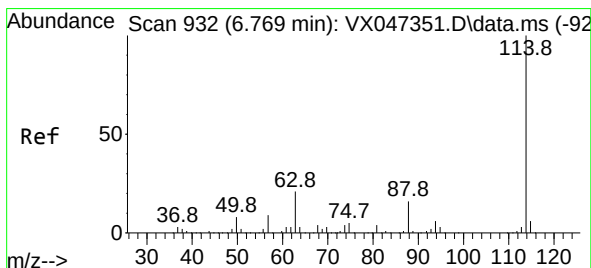
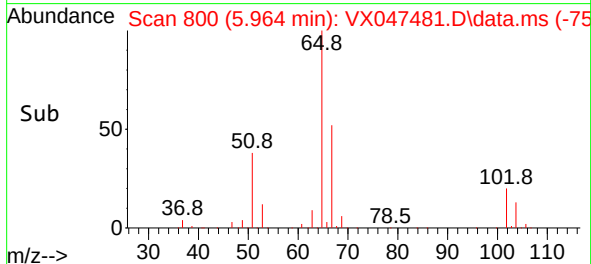
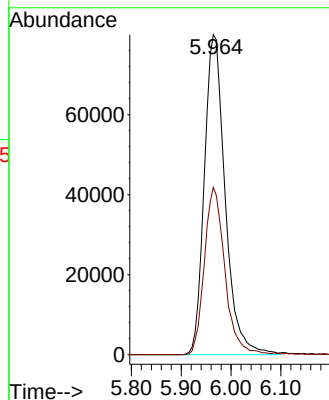
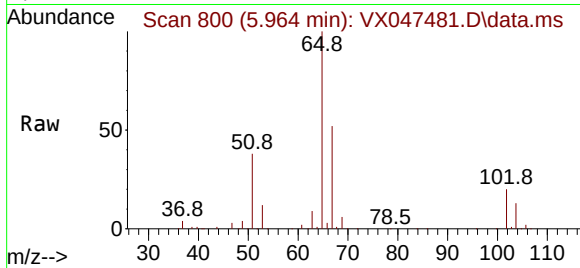
DUP-02-081925

Tgt Ion: 65 Resp: 231672

Ion Ratio Lower Upper

65 100

67 51.5 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: VX047481.D

Acq: 21 Aug 2025 19:03

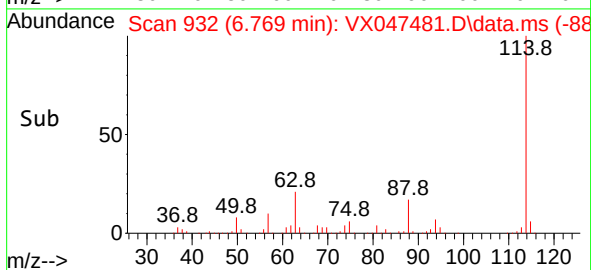
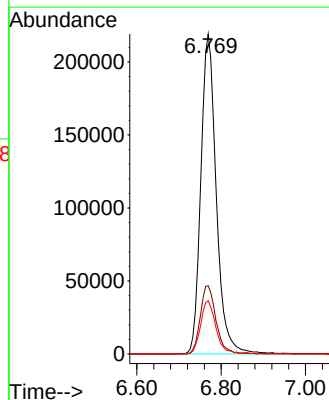
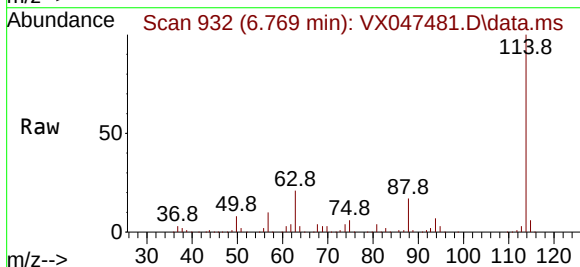
Tgt Ion: 114 Resp: 558413

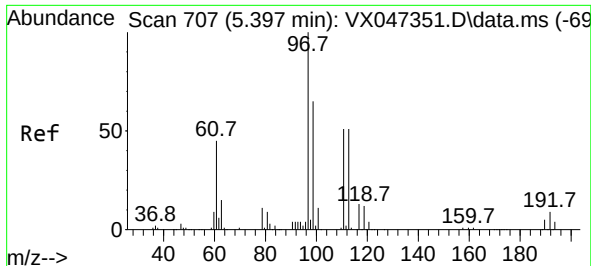
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.4

88 16.7 0.0 33.0

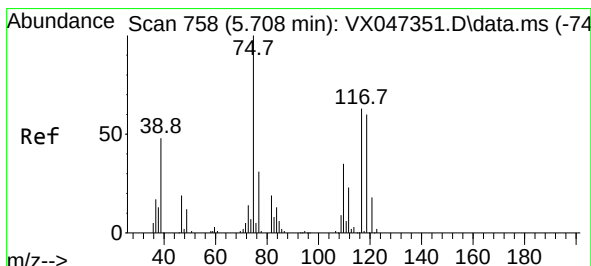
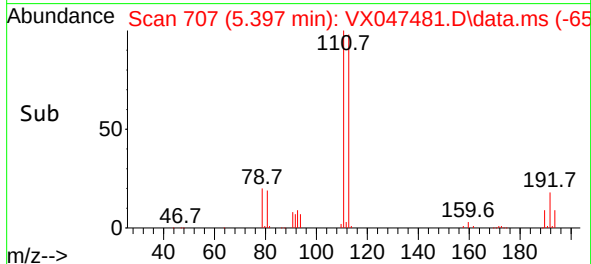
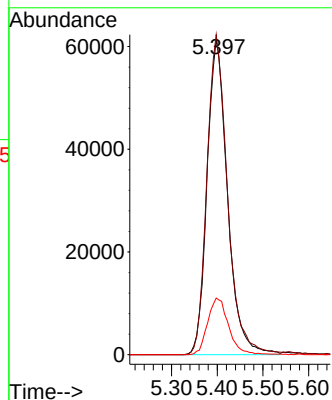
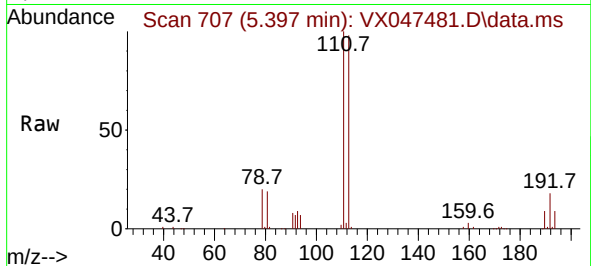




#35
Dibromofluoromethane
Concen: 52.676 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

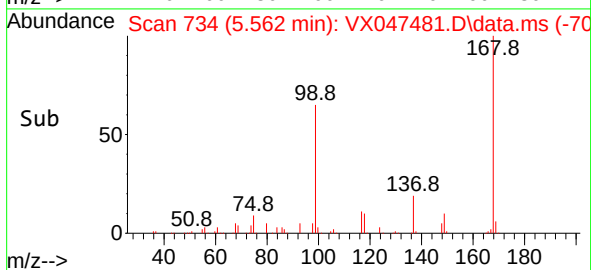
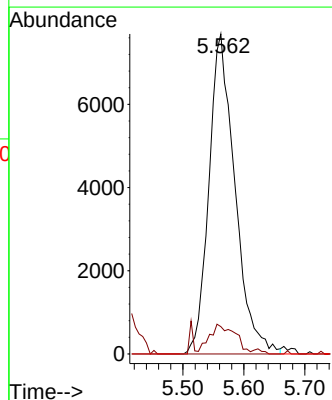
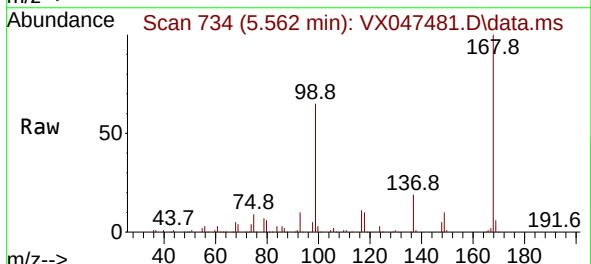
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

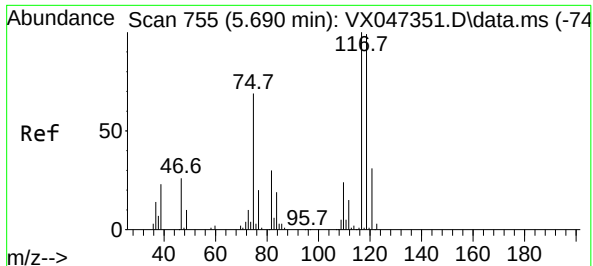
Tgt Ion:113 Resp: 190907
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.2
192 18.3 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.988 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.146 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

Tgt Ion: 75 Resp: 22818
Ion Ratio Lower Upper
75 100
110 8.5 17.4 52.2#
77 0.0 24.4 36.6#

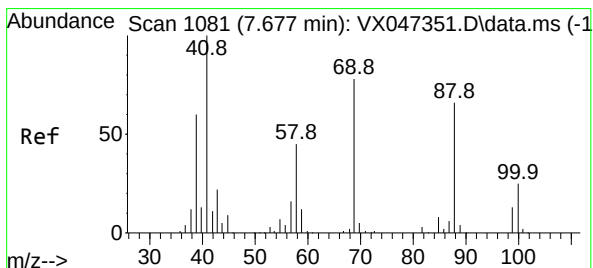
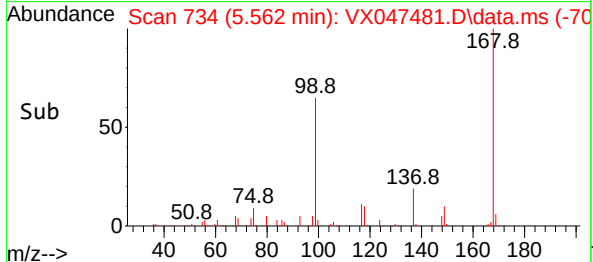
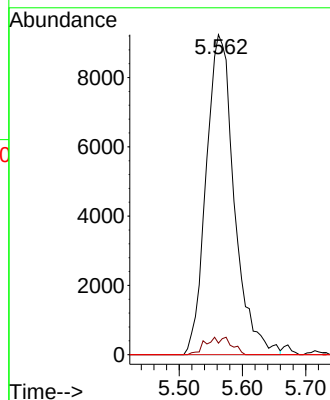
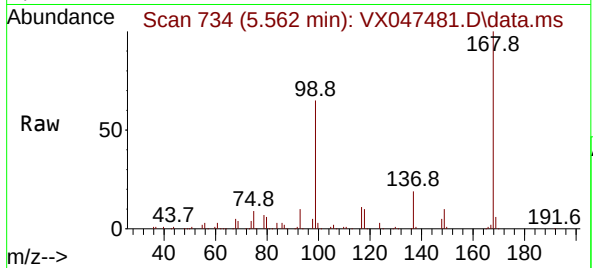




#38
Carbon Tetrachloride
Concen: 4.553 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

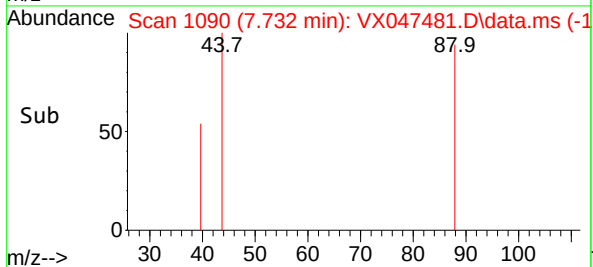
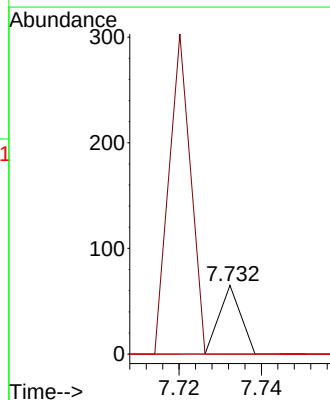
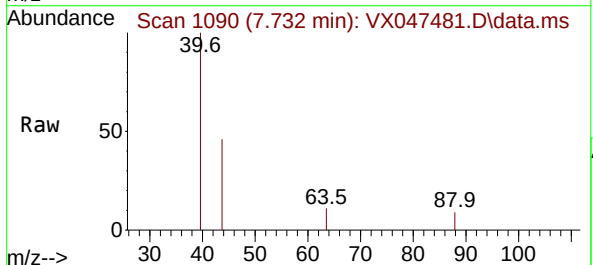
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

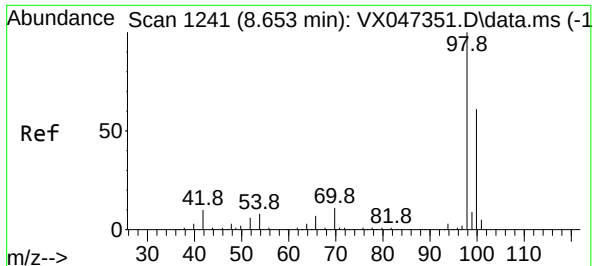
Tgt Ion:117 Resp: 28466
Ion Ratio Lower Upper
117 100
119 3.6 78.5 117.7#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 0.557 ug/l
RT: 7.732 min Scan# 1090
Delta R.T. 0.055 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 462.5 32.4 48.6#
58 0.0 56.9 85.3#

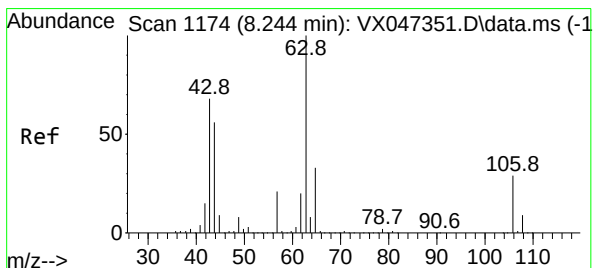
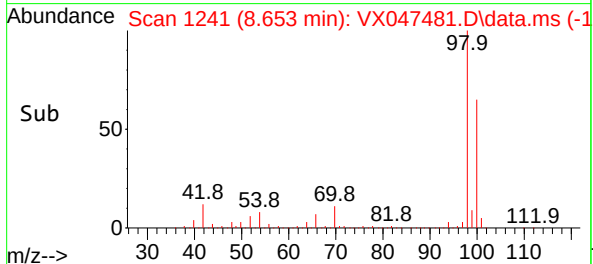
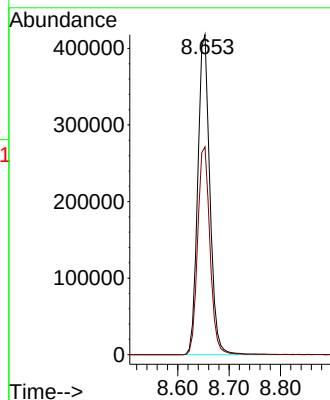
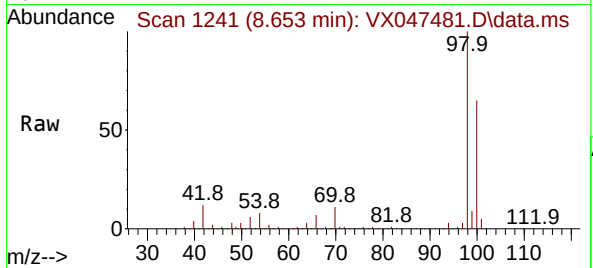




#50
Toluene-d8
Concen: 52.764 ug/l
RT: 8.653 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

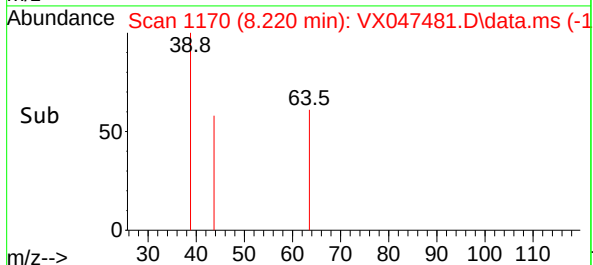
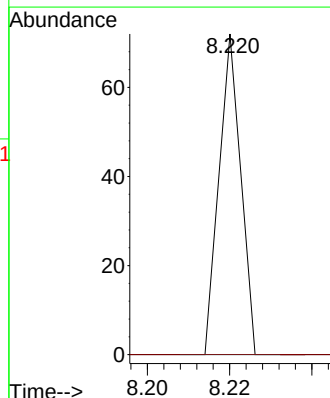
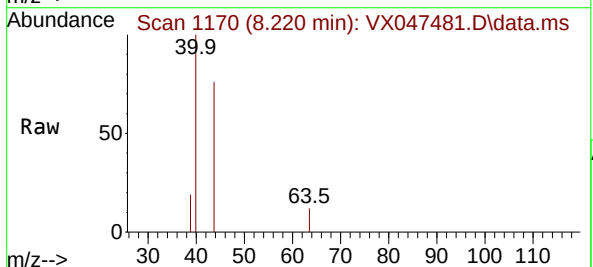
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

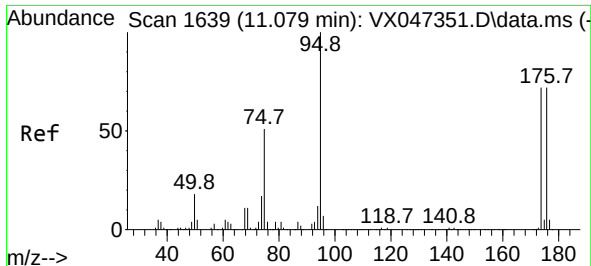
Tgt Ion: 98 Resp: 683495
Ion Ratio Lower Upper
98 100
100 66.2 53.9 80.9



#58
2-Chloroethyl Vinyl ether
Concen: 8.364 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.024 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#

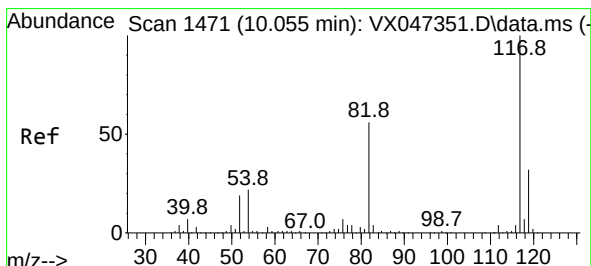
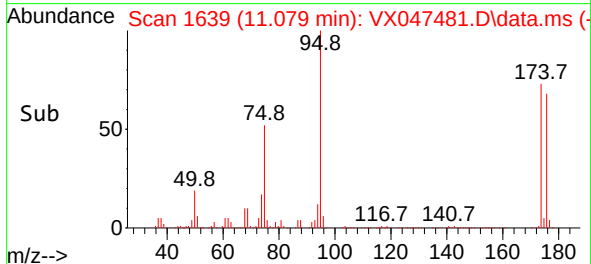
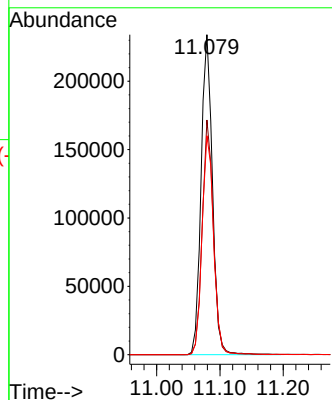
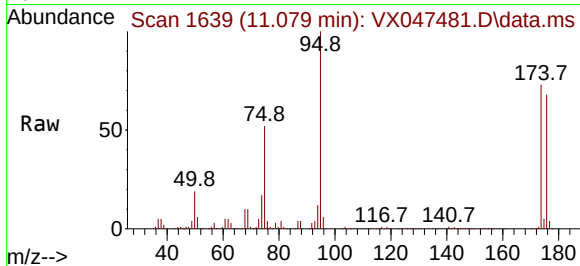




#62
4-Bromofluorobenzene
Concen: 61.217 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

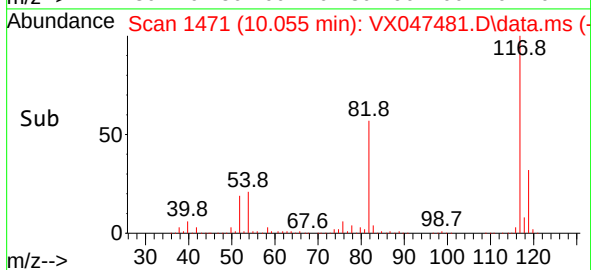
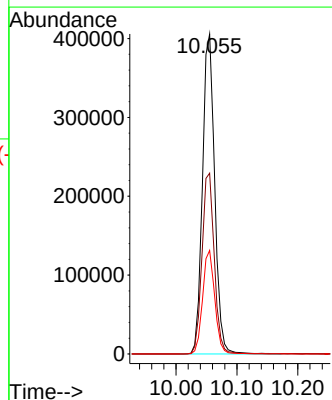
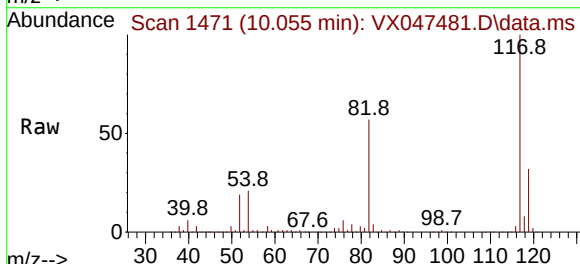
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

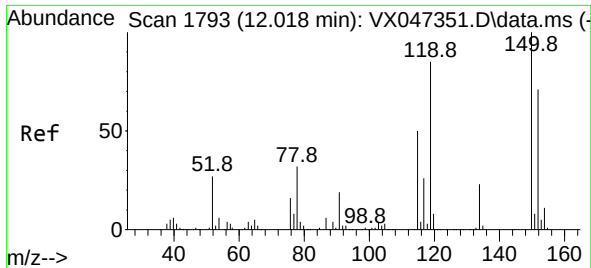
Tgt Ion: 95 Resp: 292626
Ion Ratio Lower Upper
95 100
174 72.1 0.0 148.0
176 70.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

Tgt Ion: 117 Resp: 565979
Ion Ratio Lower Upper
117 100
82 56.5 45.0 67.4
119 32.3 25.8 38.8

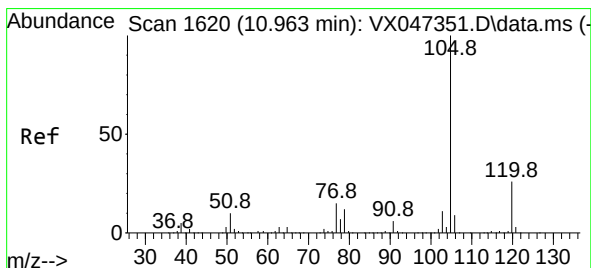
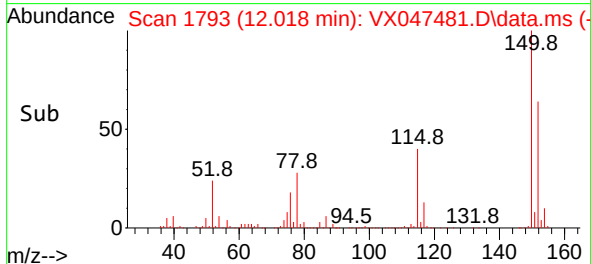
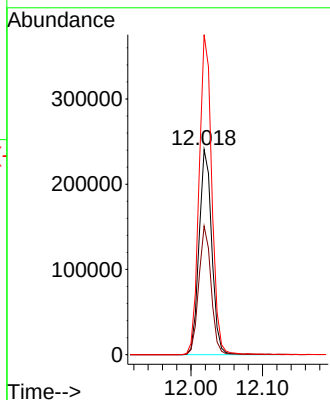
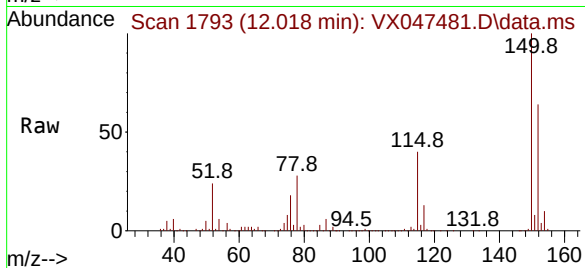




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

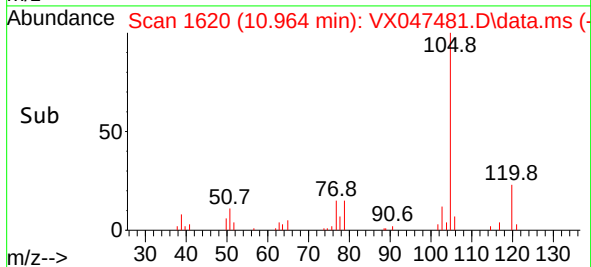
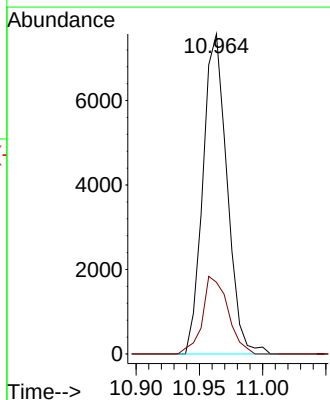
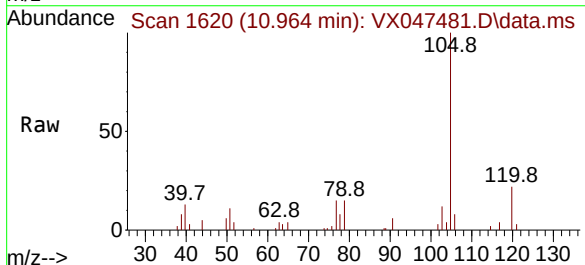
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

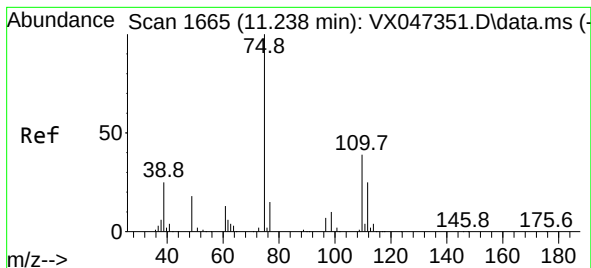
Tgt Ion:152 Resp: 296567
Ion Ratio Lower Upper
152 100
115 61.0 44.6 133.8
150 156.5 0.0 349.8



#73
Isopropylbenzene
Concen: 0.434 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047481.D
Acq: 21 Aug 2025 19:03

Tgt Ion:105 Resp: 10063
Ion Ratio Lower Upper
105 100
120 25.6 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 27.797 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047481.D

Acq: 21 Aug 2025 19:03

Instrument :

MSVOA_X

ClientSampleId :

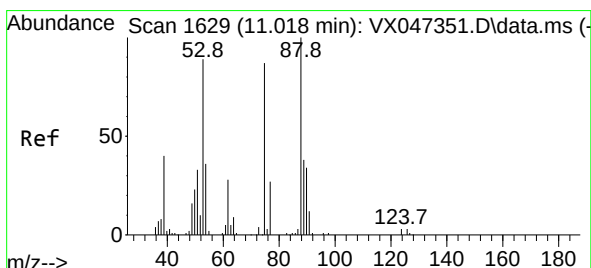
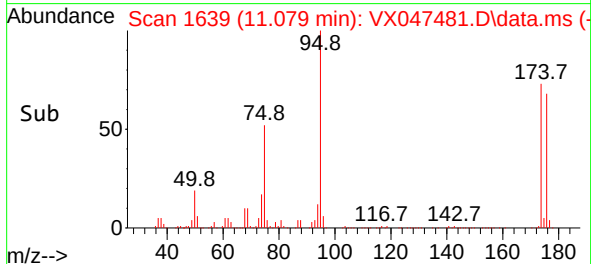
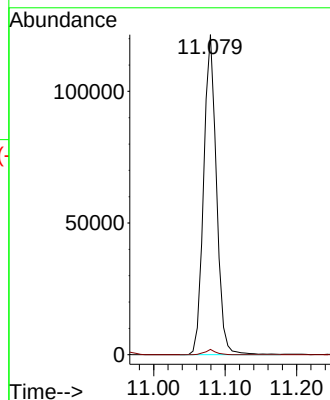
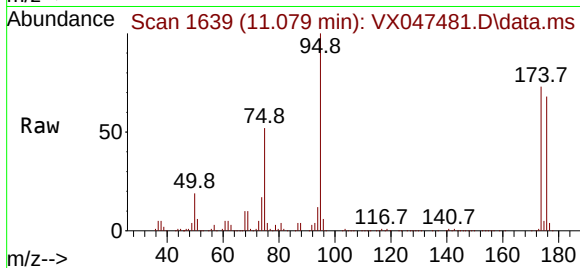
DUP-02-081925

Tgt Ion: 75 Resp: 151200

Ion Ratio Lower Upper

75 100

77 1.4 19.4 58.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.689 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047481.D

Acq: 21 Aug 2025 19:03

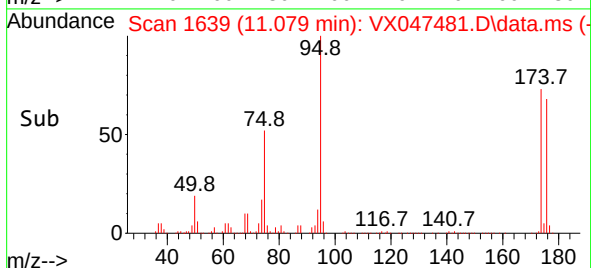
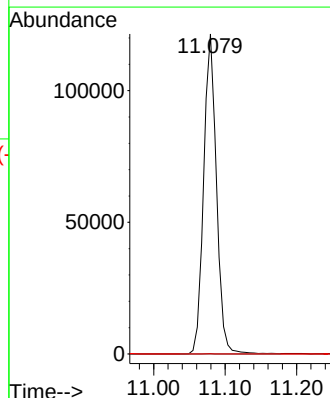
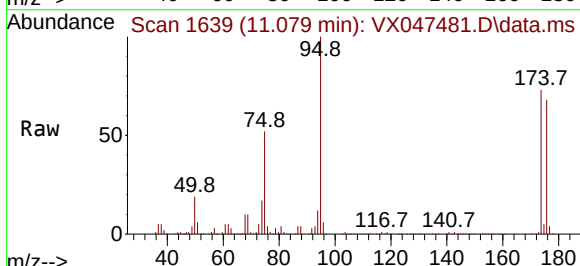
Tgt Ion: 75 Resp: 151200

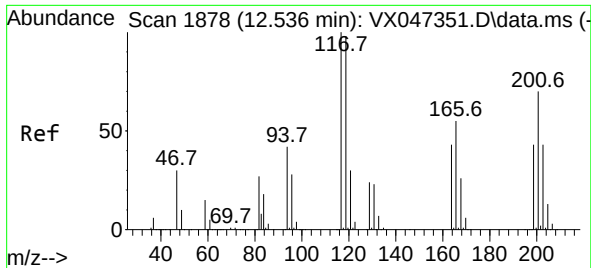
Ion Ratio Lower Upper

75 100

53 0.0 85.2 127.8#

89 0.0 36.7 55.1#

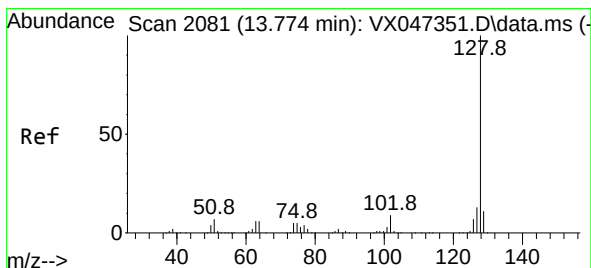
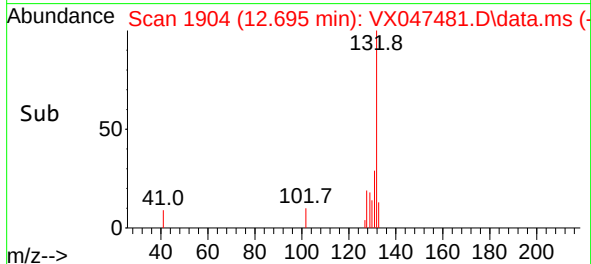
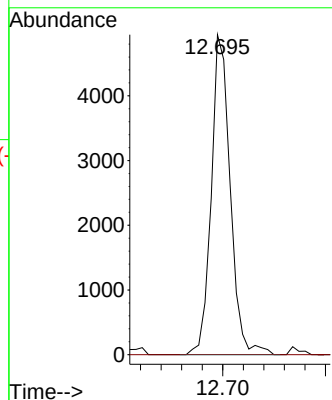
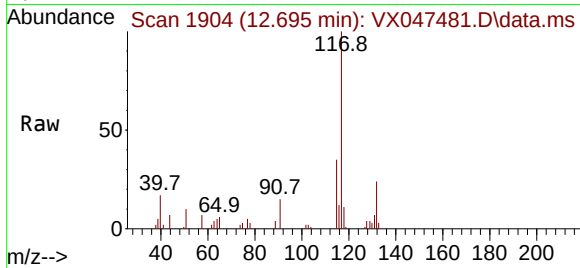




#90
 Hexachloroethane
 Concen: 1.802 ug/l
 RT: 12.695 min Scan# 1904
 Delta R.T. 0.159 min
 Lab File: VX047481.D
 Acq: 21 Aug 2025 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-02-081925

Tgt Ion:117 Resp: 6318
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.1 105.3#



#95
 Naphthalene
 Concen: 27.910 ug/l
 RT: 13.774 min Scan# 2081
 Delta R.T. 0.000 min
 Lab File: VX047481.D
 Acq: 21 Aug 2025 19:03

Tgt Ion:128 Resp: 549470
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.1 15.1
 129 10.7 8.7 13.1

