

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047494.D
 Acq On : 22 Aug 2025 13:58
 Operator : JC/MD
 Sample : Q2903-09RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-02-081925

Quant Time: Aug 25 01:27:56 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)

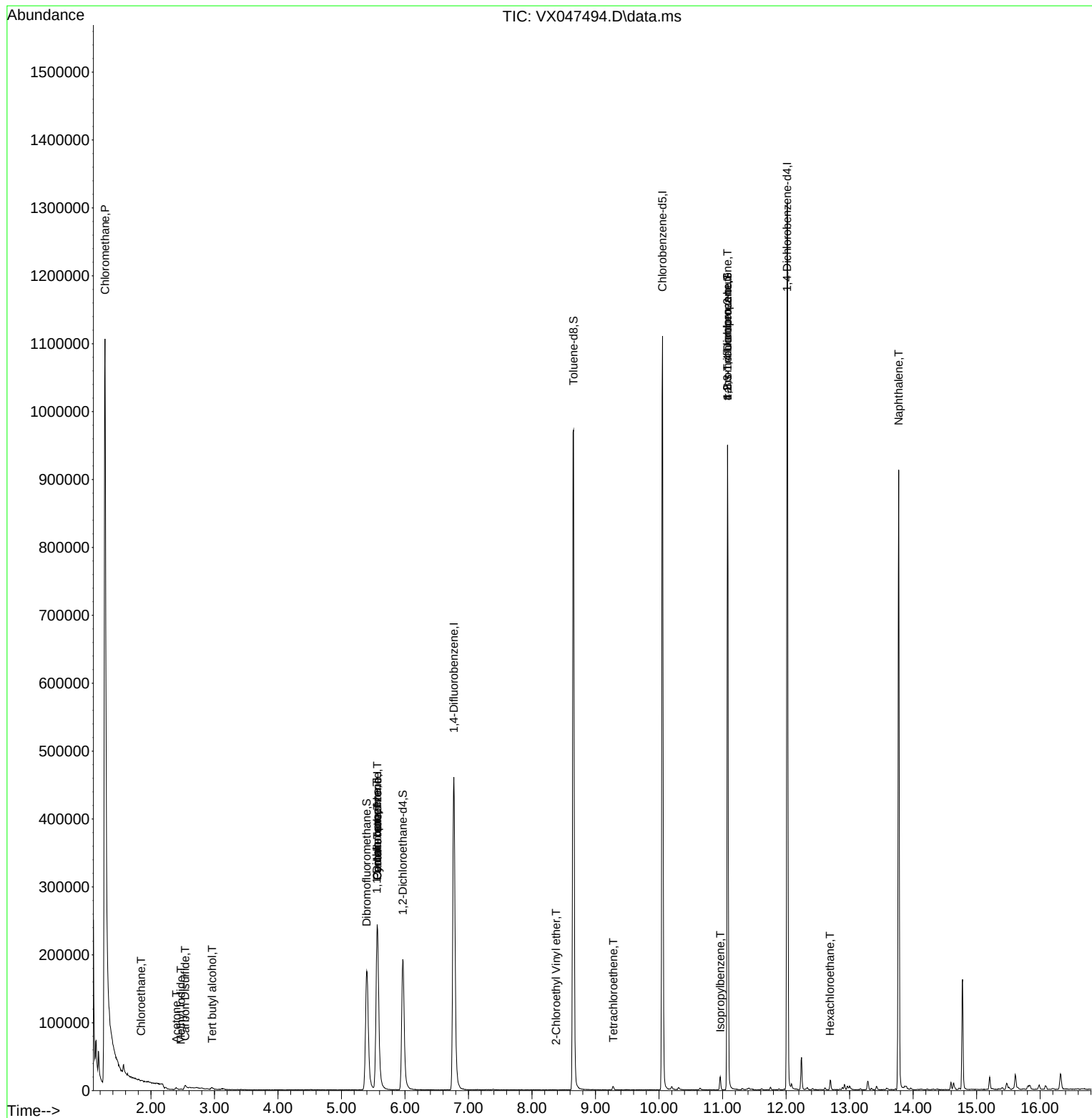
Internal Standards						
1) Pentafluorobenzene	5.562	168	245699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	503621	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	501212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	255941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	204131	59.364	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 118.720%#		
35) Dibromofluoromethane	5.397	113	169451	51.843	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.680%		
50) Toluene-d8	8.653	98	606272	51.895	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 103.800%		
62) 4-Bromofluorobenzene	11.079	95	251950	58.442	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 116.880%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.276	50	40168	14.256	ug/l #	41
6) Chloroethane	1.843	64	3129	1.446	ug/l #	44
10) Methyl Iodide	2.471	142	1191	0.229	ug/l #	83
11) Tert butyl alcohol	2.965	59	1193	3.988	ug/l #	72
16) Acetone	2.398	43	3111	2.407	ug/l	91
17) Carbon Disulfide	2.538	76	12418	1.330	ug/l	97
31) Cyclohexane	5.562	56	5168	0.934	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	19932	3.863	ug/l #	51
38) Carbon Tetrachloride	5.562	117	26296	4.664	ug/l #	14
58) 2-Chloroethyl Vinyl ether	8.379	63	29	8.366	ug/l #	46
64) Tetrachloroethene	9.281	164	970	0.268	ug/l #	67
73) Isopropylbenzene	10.964	105	9776	0.488	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	132697	28.268	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	132697	111.413	ug/l #	7
90) Hexachloroethane	12.695	117	6094	2.014	ug/l #	15
95) Naphthalene	13.774	128	540454	31.810	ug/l	100

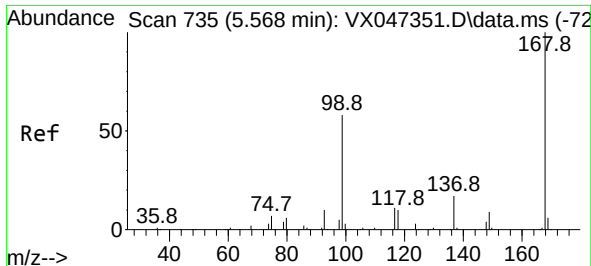
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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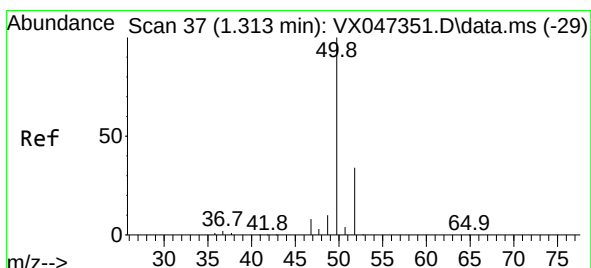
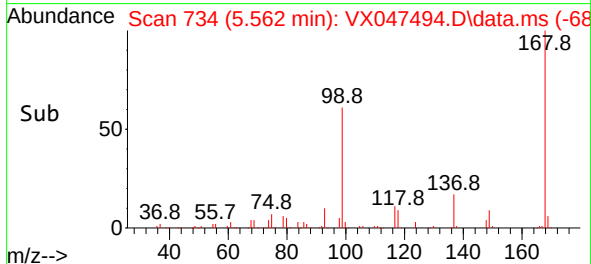
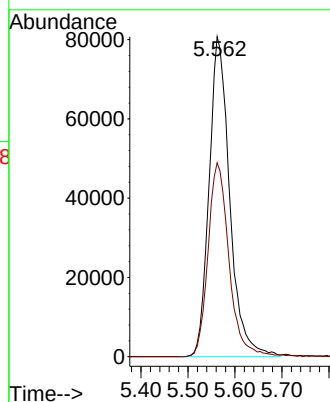
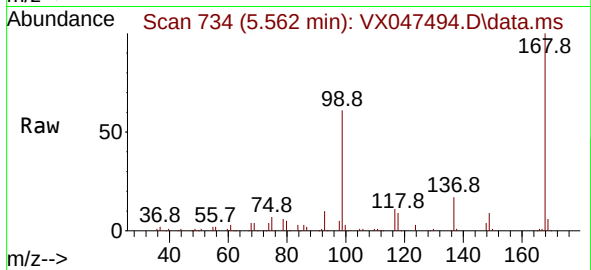




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

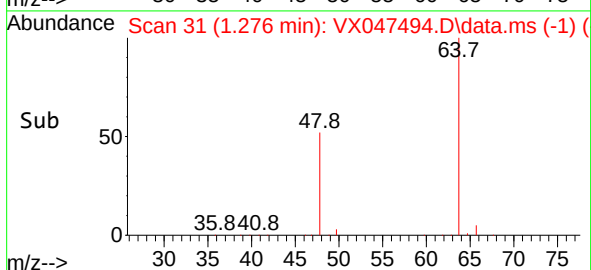
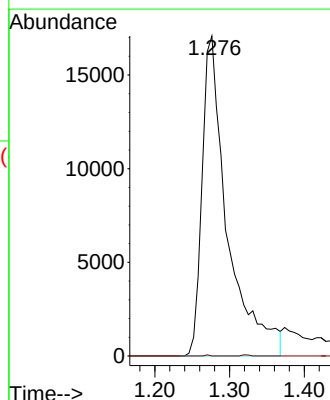
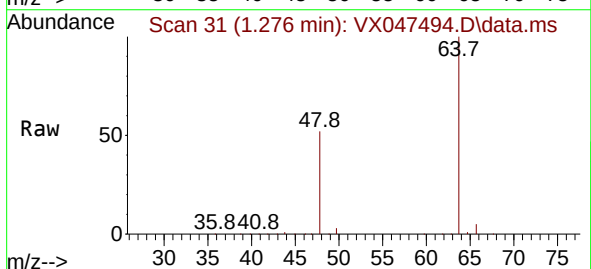
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

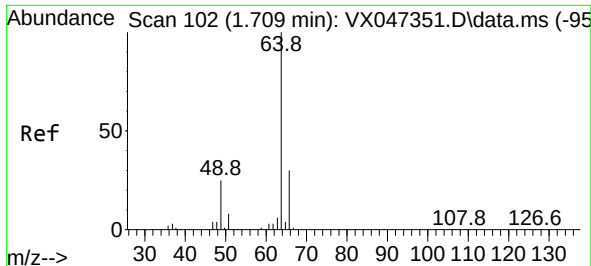
Tgt Ion:168 Resp: 245699
Ion Ratio Lower Upper
168 100
99 60.6 47.9 71.9



#3
Chloromethane
Concen: 14.256 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.036 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Tgt Ion: 50 Resp: 40168
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

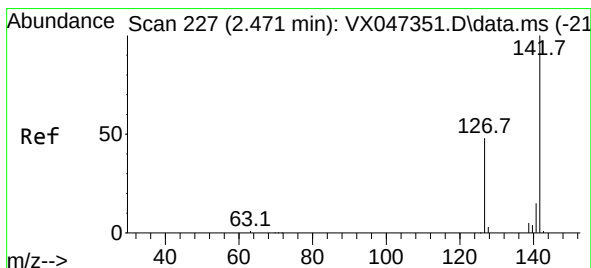
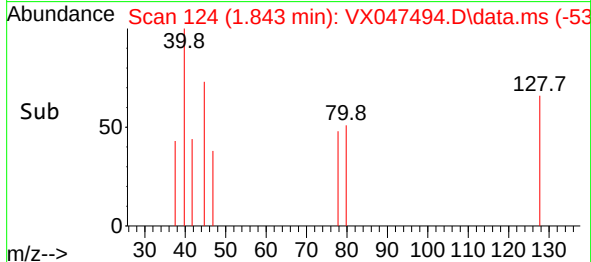
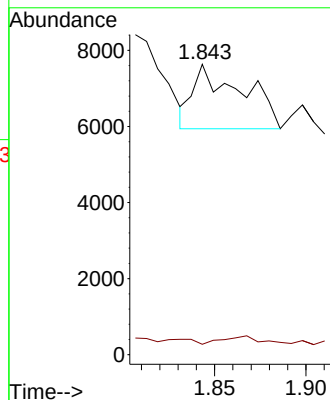
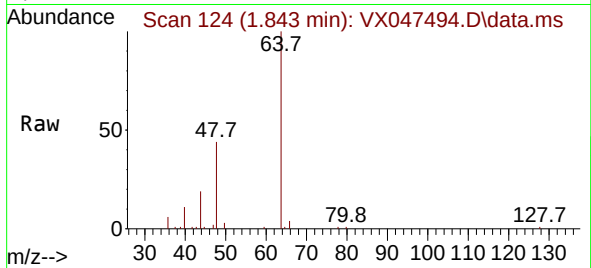




#6
Chloroethane
Concen: 1.446 ug/l
RT: 1.843 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

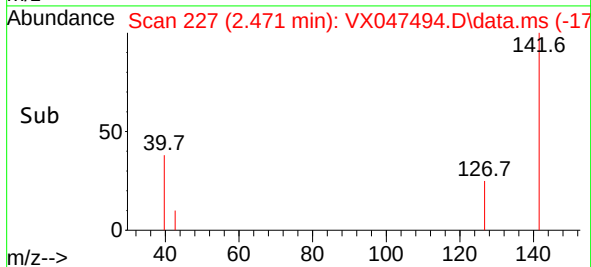
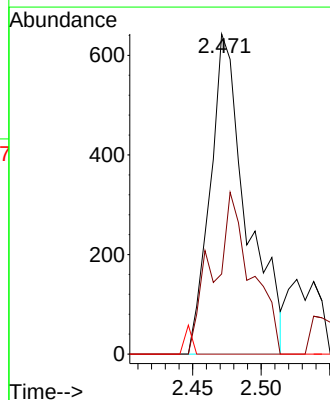
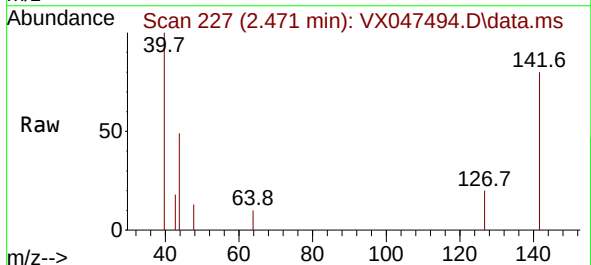
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

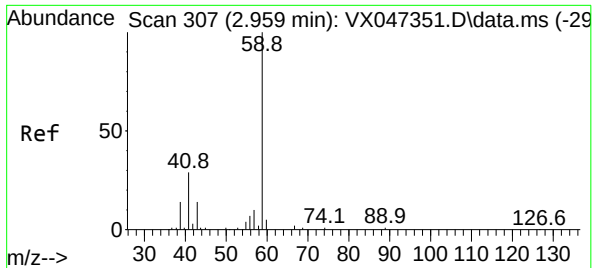
Tgt Ion: 64 Resp: 3129
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.229 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Tgt Ion: 142 Resp: 1191
Ion Ratio Lower Upper
142 100
127 53.0 36.1 54.1
141 0.0 11.1 16.7#

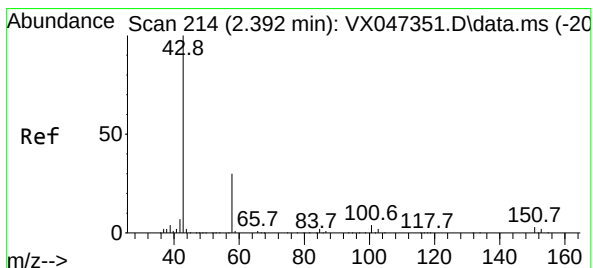
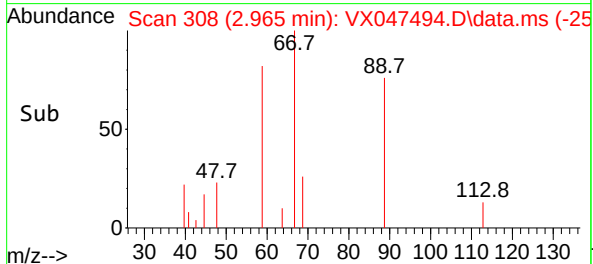
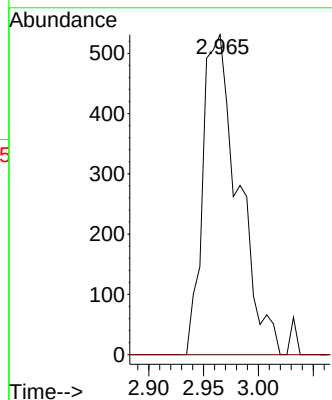
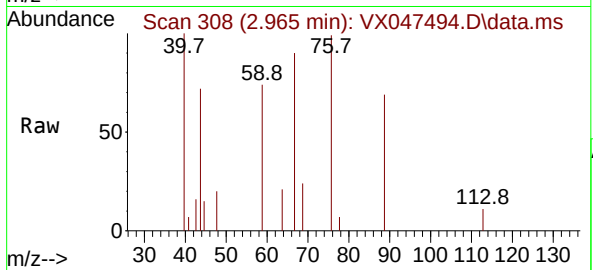




#11
Tert butyl alcohol
Concen: 3.988 ug/l
RT: 2.965 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

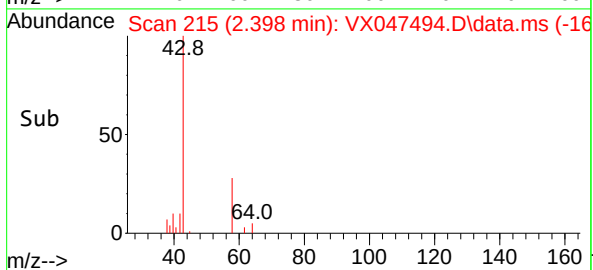
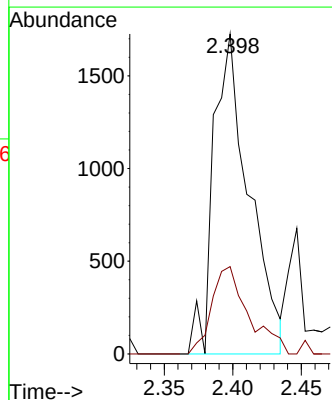
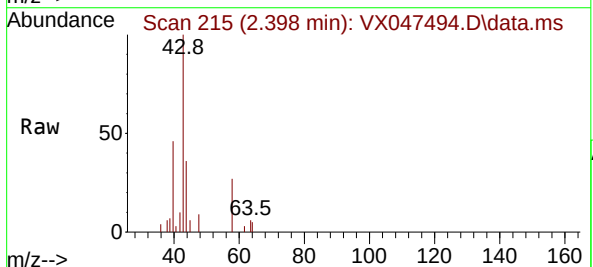
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

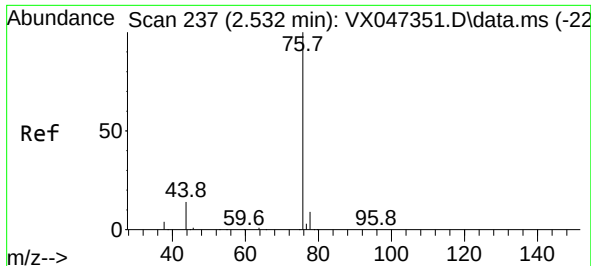
Tgt Ion: 59 Resp: 1193
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 2.407 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Tgt Ion: 43 Resp: 3111
Ion Ratio Lower Upper
43 100
58 26.0 24.8 37.2





#17

Carbon Disulfide

Concen: 1.330 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047494.D

Acq: 22 Aug 2025 13:58

Instrument :

MSVOA_X

ClientSampleId :

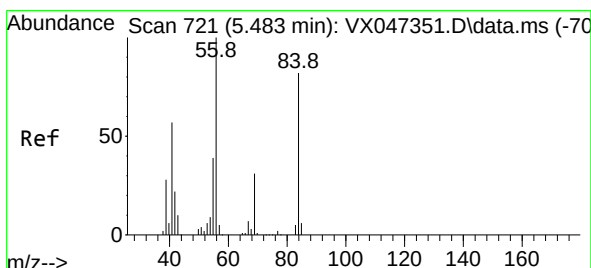
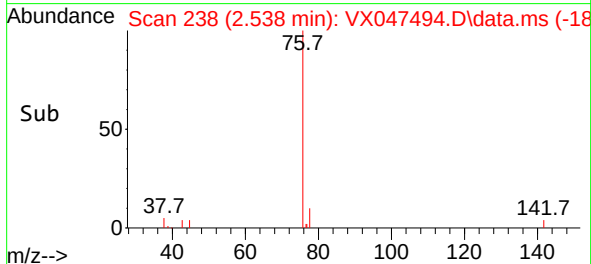
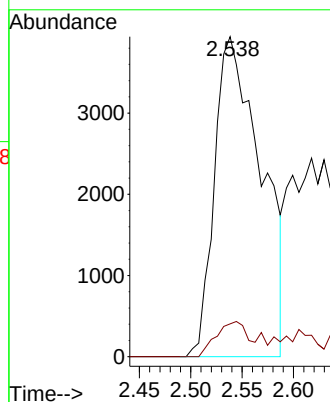
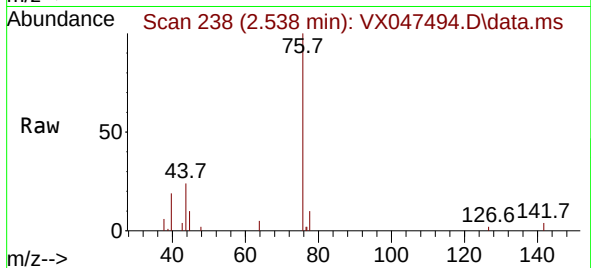
DUP-02-081925

Tgt Ion: 76 Resp: 12418

Ion Ratio Lower Upper

76 100

78 10.1 7.2 10.8



#31

Cyclohexane

Concen: 0.934 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.079 min

Lab File: VX047494.D

Acq: 22 Aug 2025 13:58

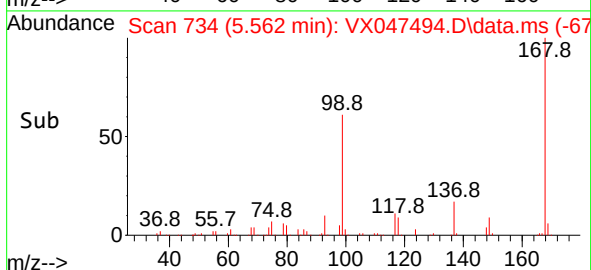
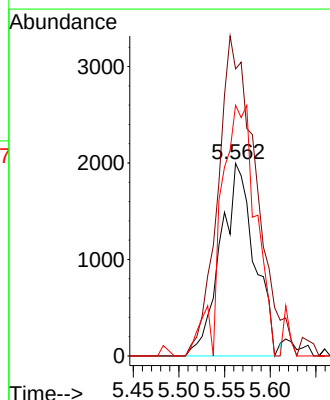
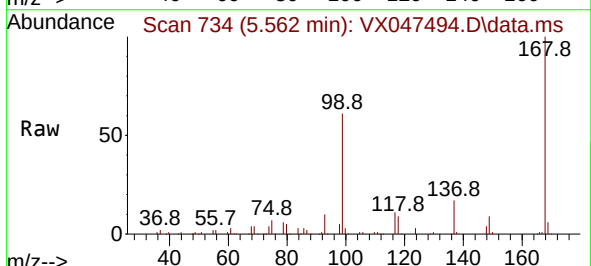
Tgt Ion: 56 Resp: 5168

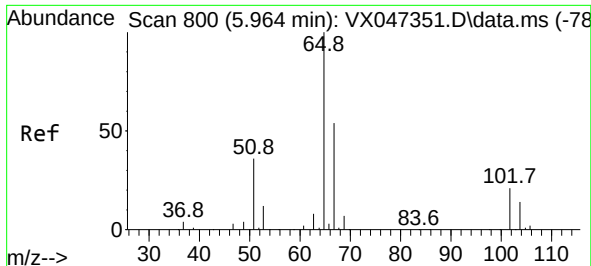
Ion Ratio Lower Upper

56 100

69 149.1 24.3 36.5#

84 130.2 65.3 97.9#

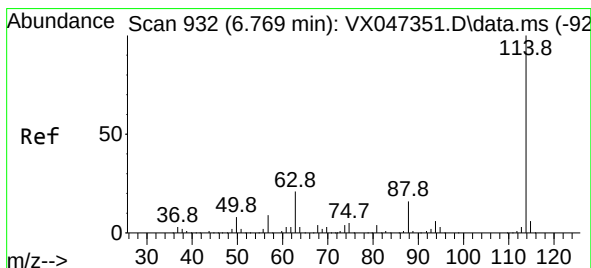
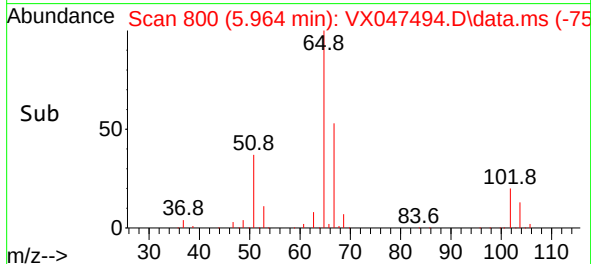
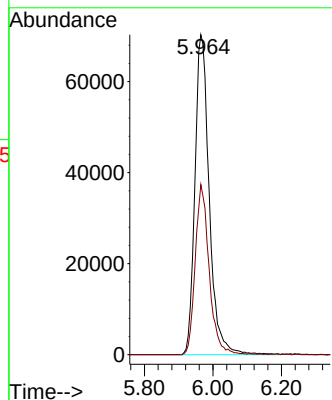
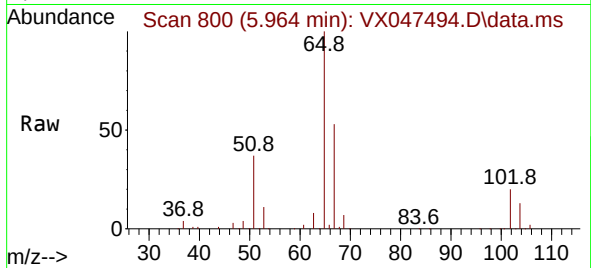




#33
 1,2-Dichloroethane-d4
 Concen: 59.364 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047494.D
 Acq: 22 Aug 2025 13:58

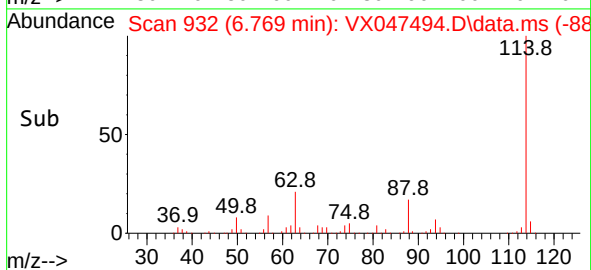
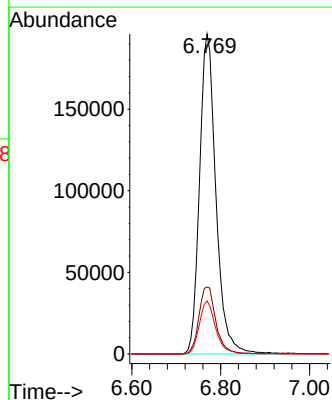
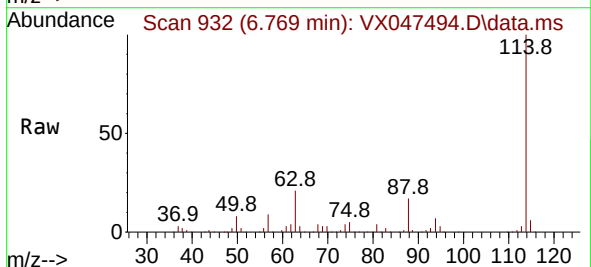
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-02-081925

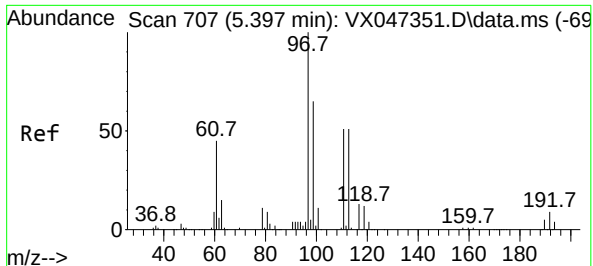
Tgt Ion: 65 Resp: 204131
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047494.D
 Acq: 22 Aug 2025 13:58

Tgt Ion: 114 Resp: 503621
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.4
 88 16.5 0.0 33.0

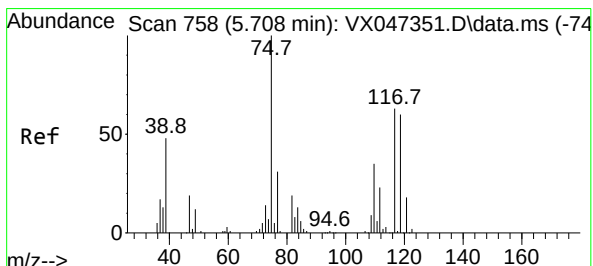
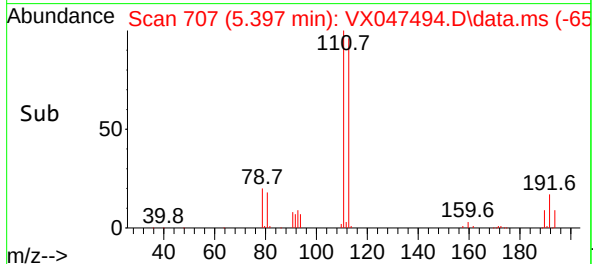
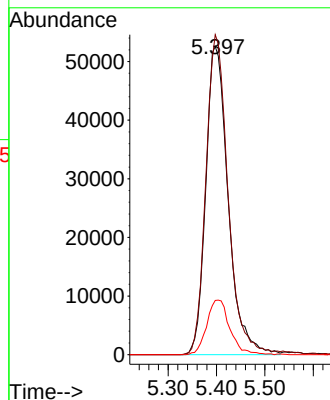
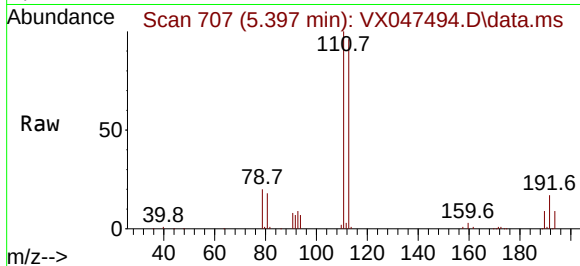




#35
Dibromofluoromethane
Concen: 51.843 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

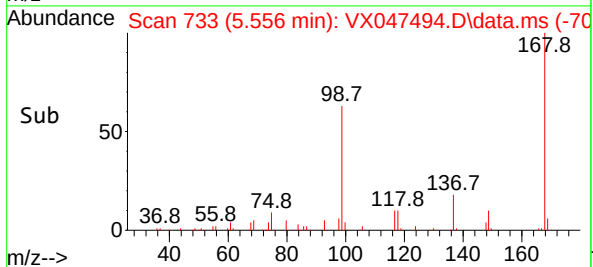
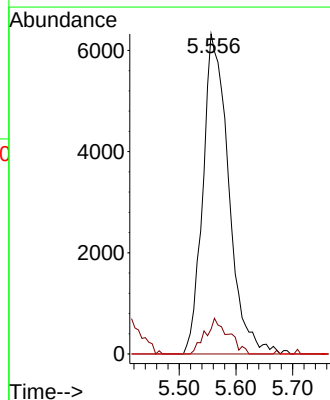
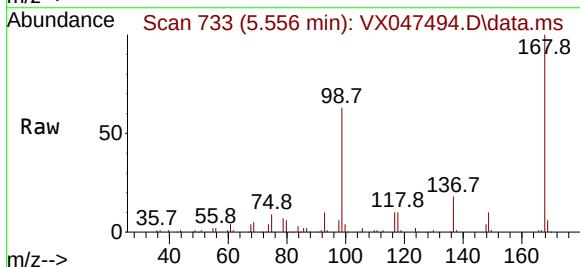
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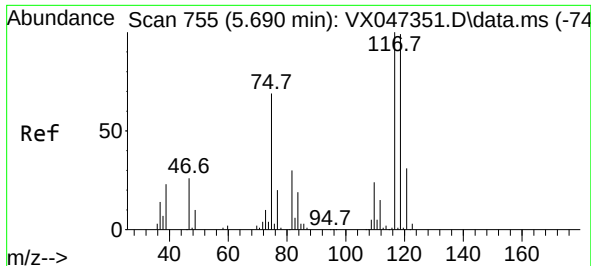
Tgt Ion:113 Resp: 169451
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.2
192 18.2 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.863 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.152 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

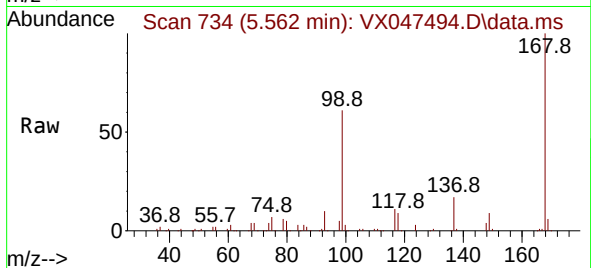
Tgt Ion: 75 Resp: 19932
Ion Ratio Lower Upper
75 100
110 10.0 17.4 52.2#
77 0.0 24.4 36.6#



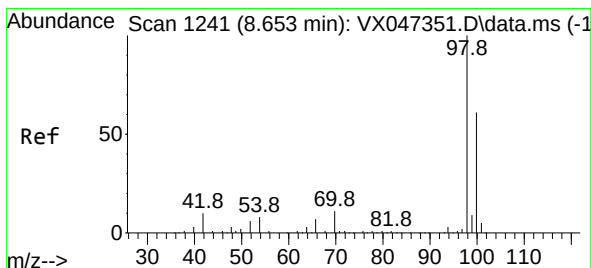
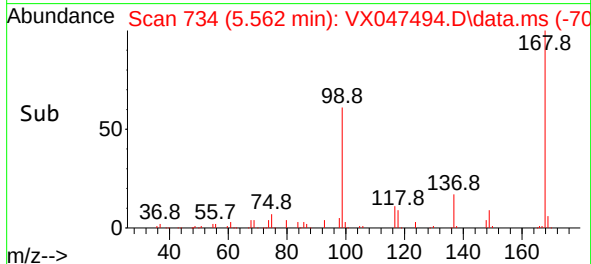
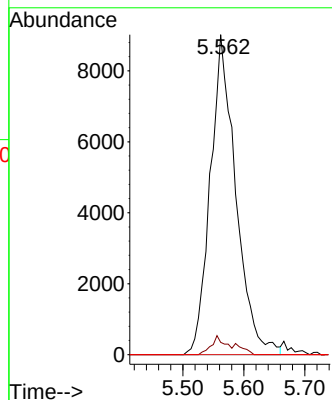


#38
Carbon Tetrachloride
Concen: 4.664 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

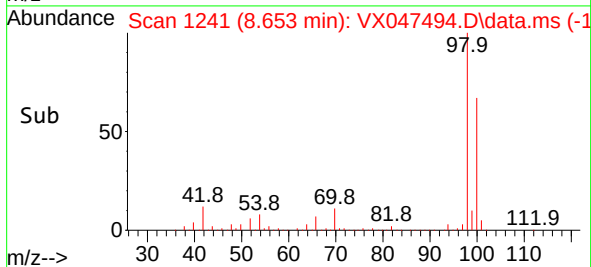
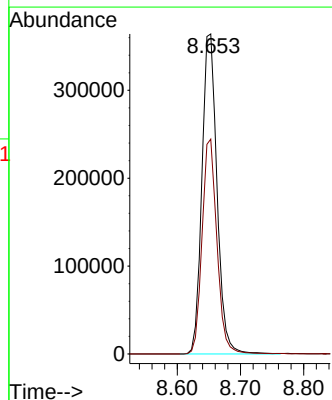
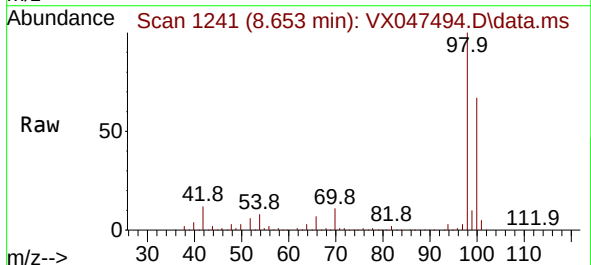


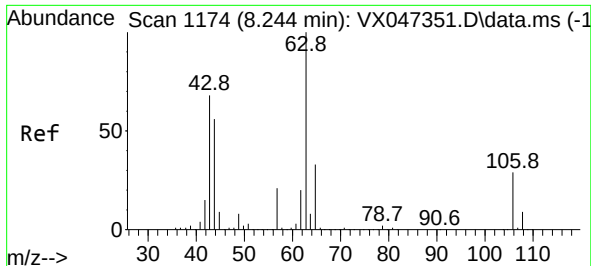
Tgt Ion:117 Resp: 26296
Ion Ratio Lower Upper
117 100
119 3.8 78.5 117.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.895 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Tgt Ion: 98 Resp: 606272
Ion Ratio Lower Upper
98 100
100 66.0 53.9 80.9

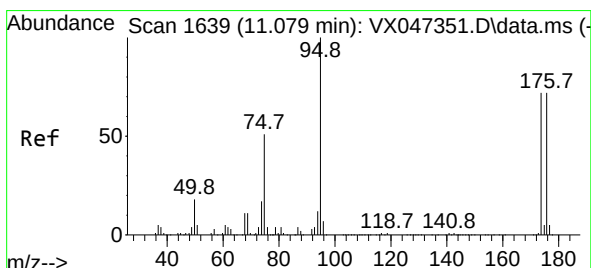
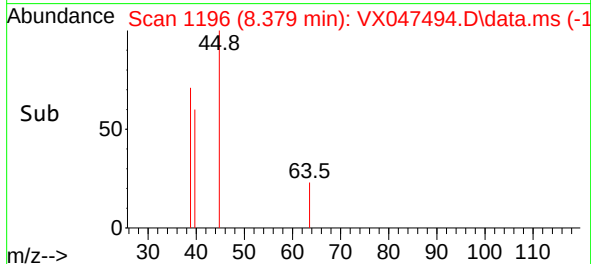
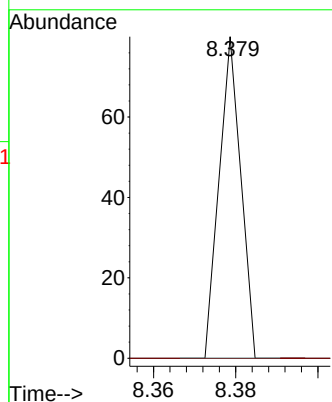
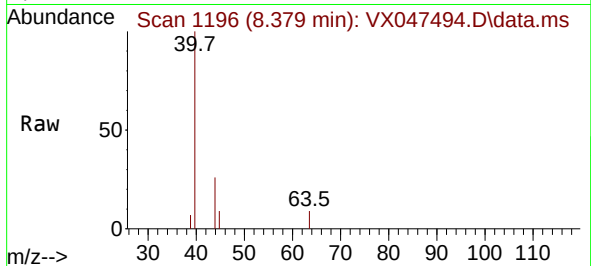




#58
2-Chloroethyl Vinyl ether
Concen: 8.366 ug/l
RT: 8.379 min Scan# 1119
Delta R.T. 0.134 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

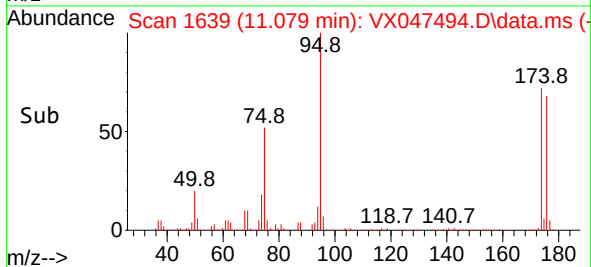
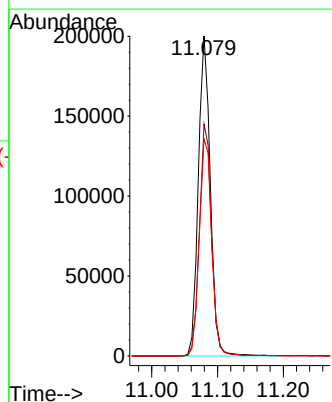
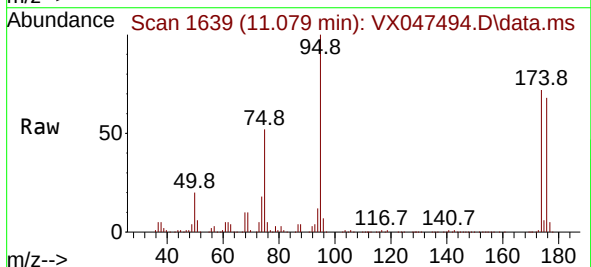
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

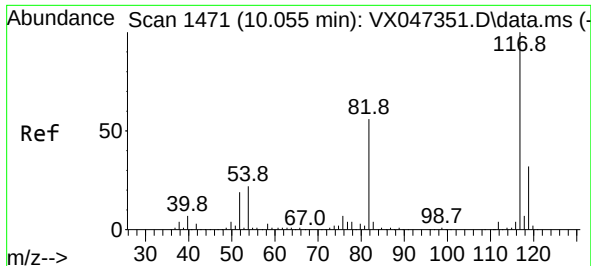
Tgt Ion: 63 Resp: 29
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 58.442 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Tgt Ion: 95 Resp: 251950
Ion Ratio Lower Upper
95 100
174 73.3 0.0 148.0
176 70.2 0.0 145.4

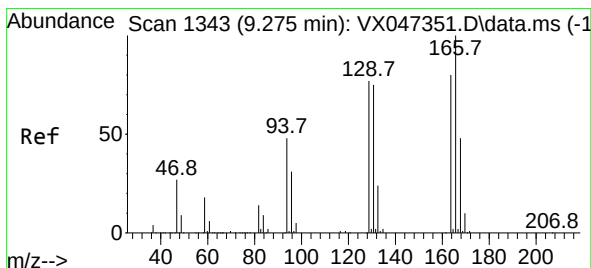
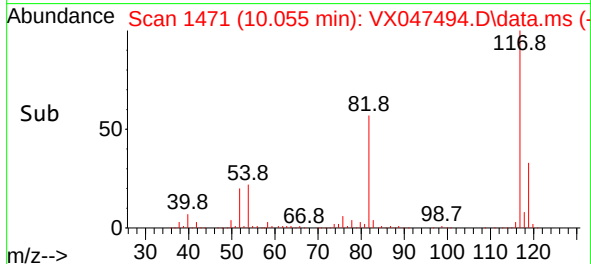
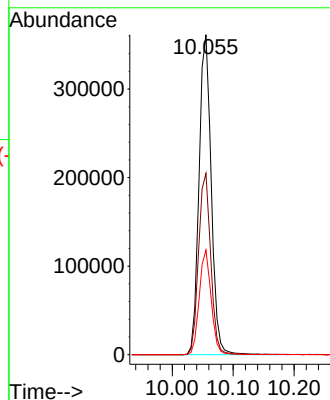
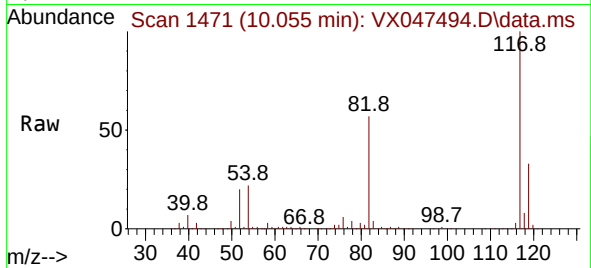




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

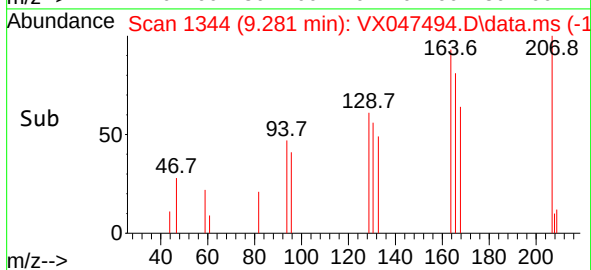
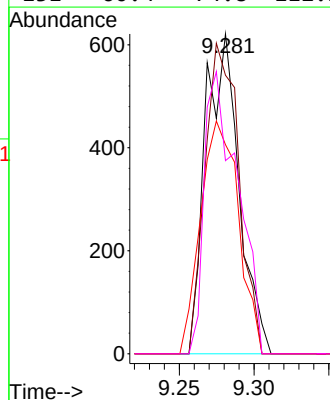
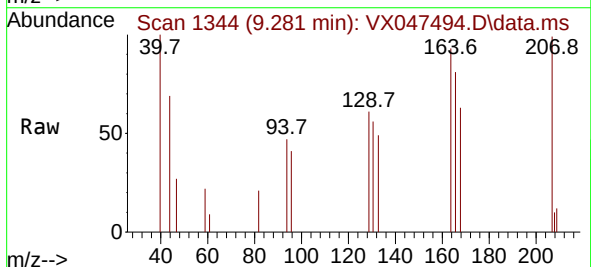
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

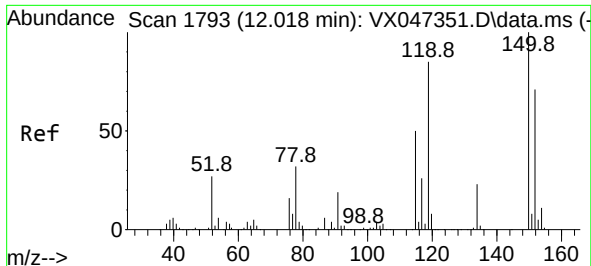
Tgt Ion:117 Resp: 501212
Ion Ratio Lower Upper
117 100
82 56.6 45.0 67.4
119 32.7 25.8 38.8



#64
Tetrachloroethene
Concen: 0.268 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Tgt Ion:164 Resp: 970
Ion Ratio Lower Upper
164 100
166 87.1 100.3 150.5#
129 65.4 77.7 116.5#
131 60.4 74.8 112.2#

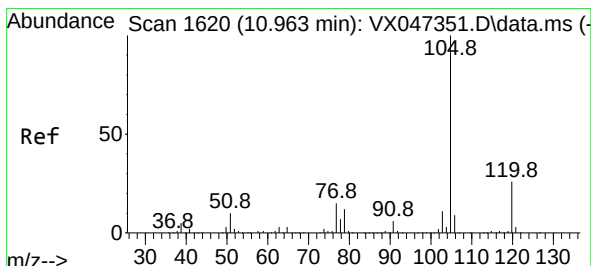
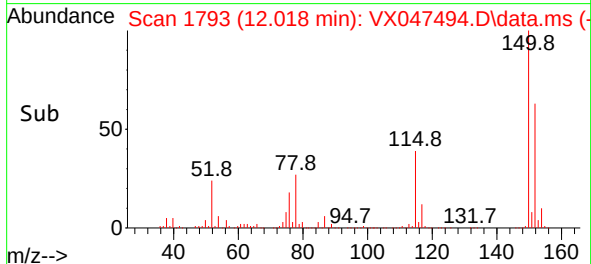
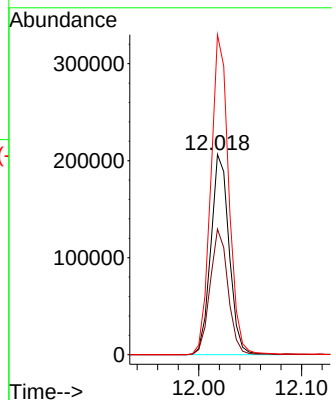
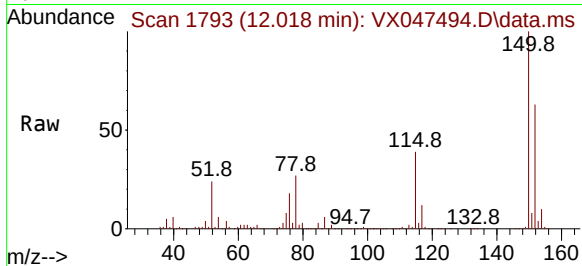




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047494.D
 Acq: 22 Aug 2025 13:58

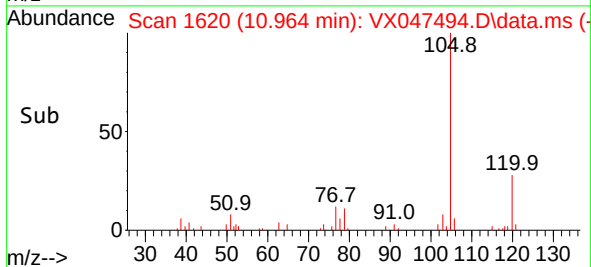
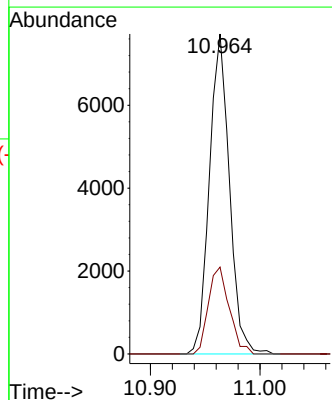
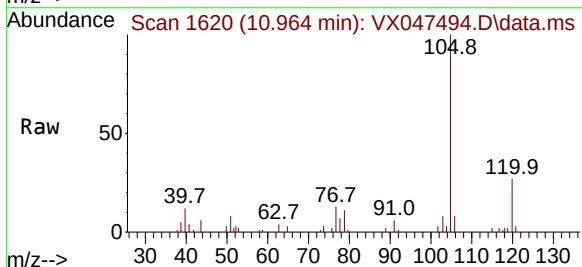
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-02-081925

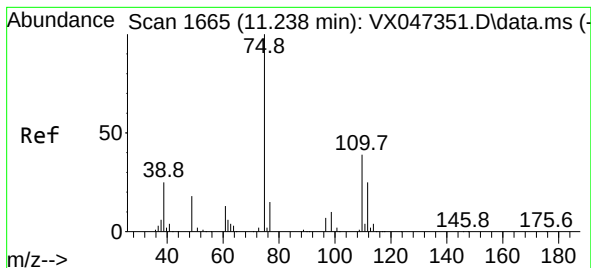
Tgt Ion:152 Resp: 255941
 Ion Ratio Lower Upper
 152 100
 115 61.5 44.6 133.8
 150 158.0 0.0 349.8



#73
 Isopropylbenzene
 Concen: 0.488 ug/l
 RT: 10.964 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX047494.D
 Acq: 22 Aug 2025 13:58

Tgt Ion:105 Resp: 9776
 Ion Ratio Lower Upper
 105 100
 120 28.4 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 28.268 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047494.D

Acq: 22 Aug 2025 13:58

Instrument :

MSVOA_X

ClientSampleId :

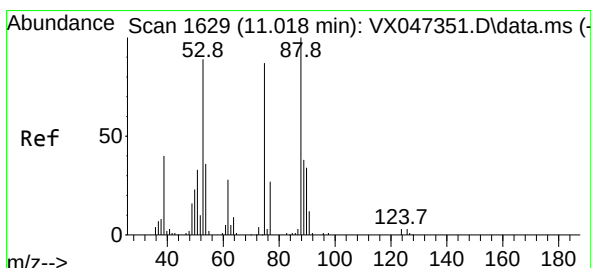
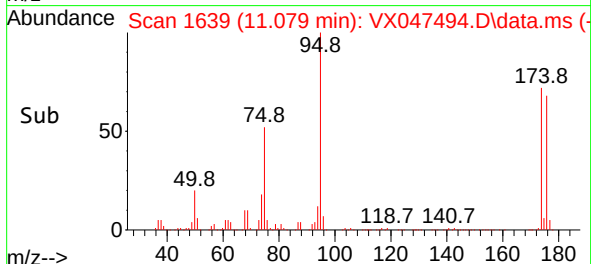
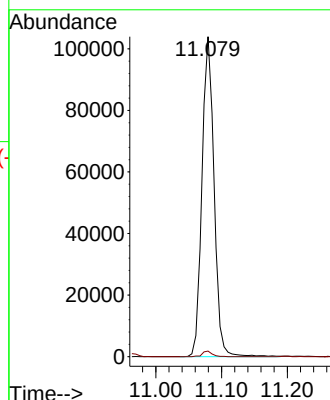
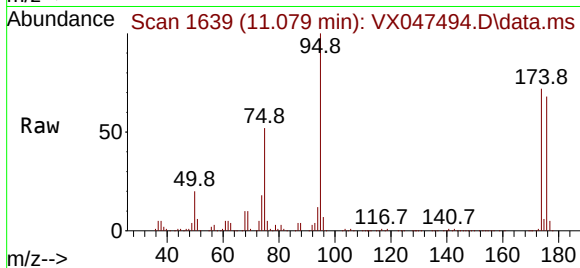
DUP-02-081925

Tgt Ion: 75 Resp: 132697

Ion Ratio Lower Upper

75 100

77 1.4 19.4 58.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.413 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047494.D

Acq: 22 Aug 2025 13:58

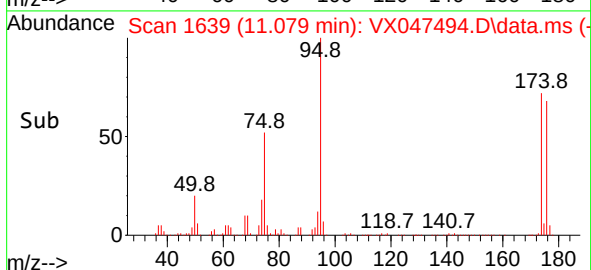
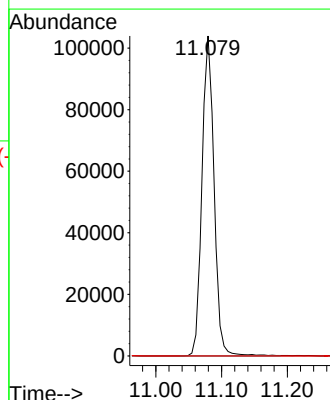
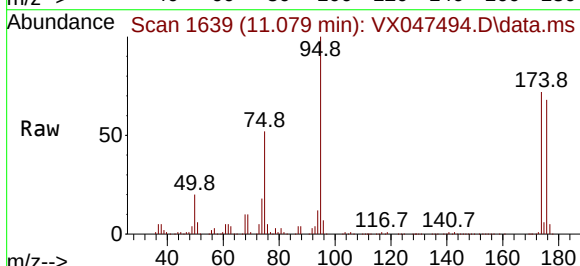
Tgt Ion: 75 Resp: 132697

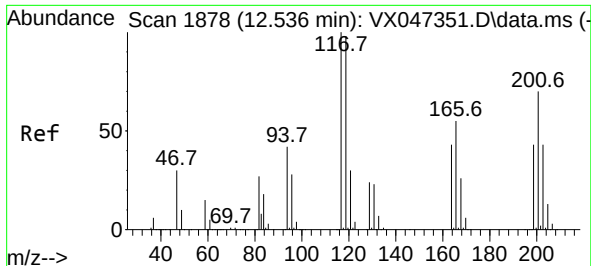
Ion Ratio Lower Upper

75 100

53 0.0 85.2 127.8#

89 0.0 36.7 55.1#

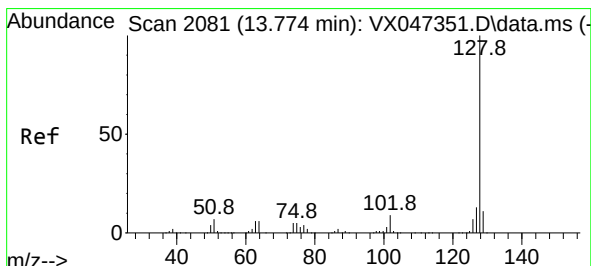
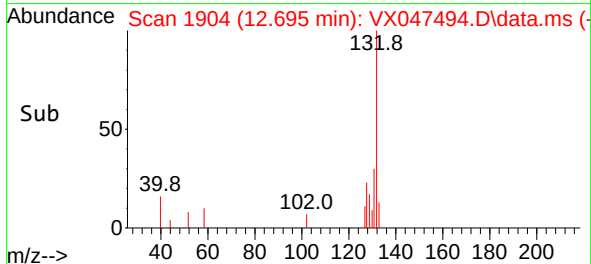
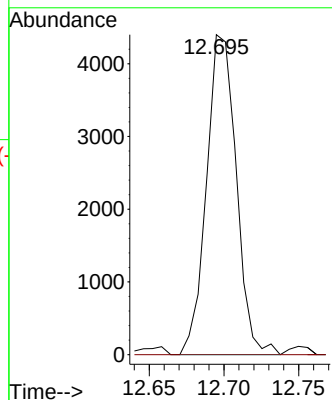
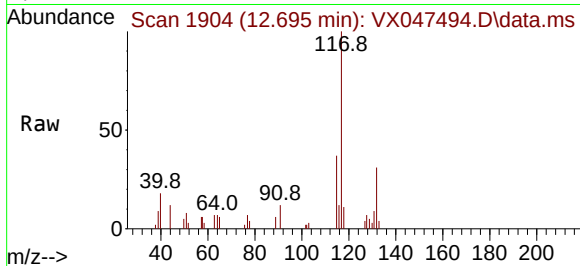




#90
Hexachloroethane
Concen: 2.014 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.159 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

Tgt Ion:117 Resp: 6094
Ion Ratio Lower Upper
117 100
201 0.0 35.1 105.3#



#95
Naphthalene
Concen: 31.810 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Tgt Ion:128 Resp: 540454
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 11.0 8.7 13.1

