

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047620.D
 Acq On : 17 Sep 2025 15:51
 Operator : JC/MD
 Sample : Q3095-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20250909

Quant Time: Sep 22 03:09:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

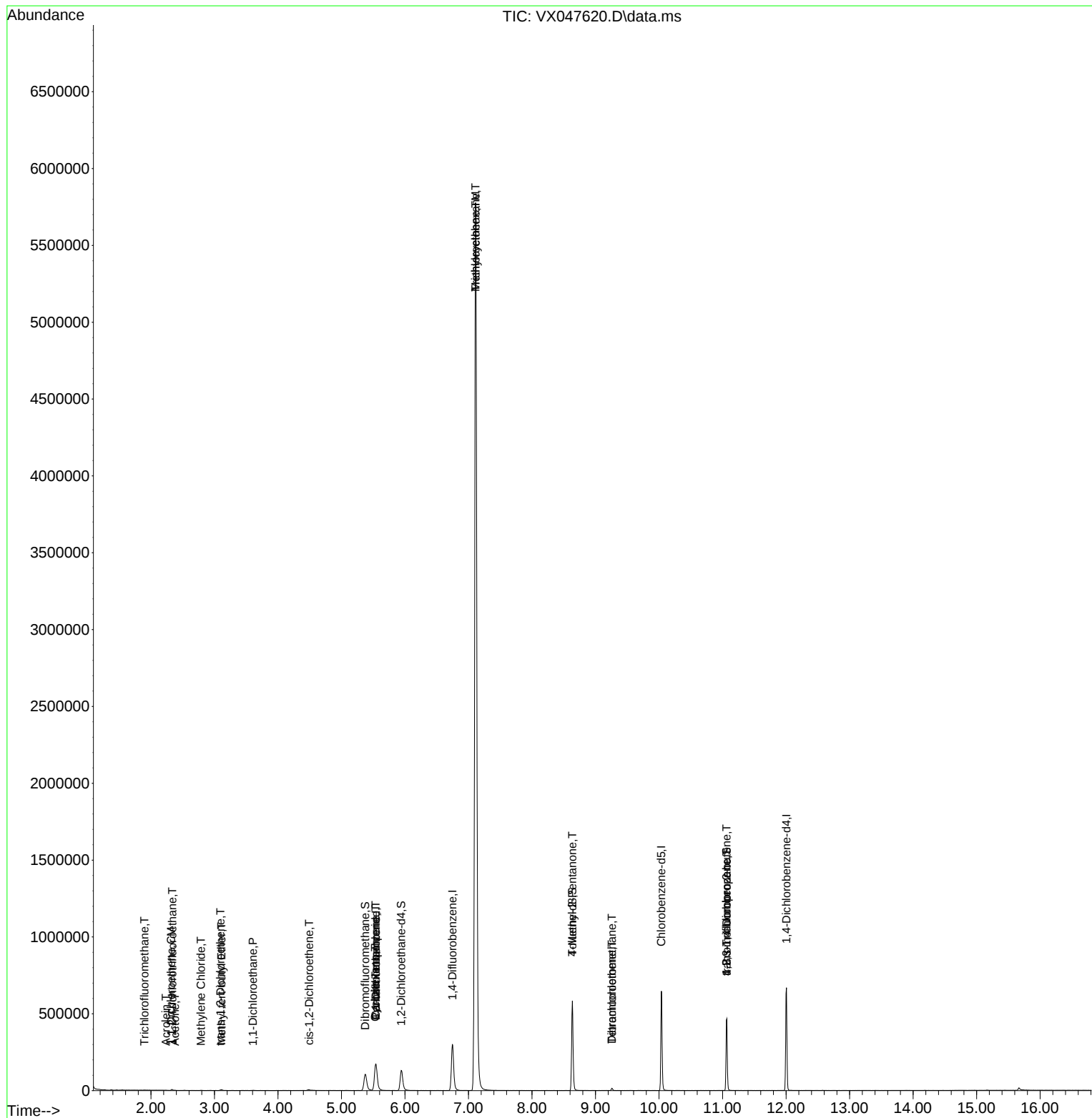
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	176523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	328808	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	285767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	145563	51.805	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.620%
35) Dibromofluoromethane	5.373	113	104600	47.434	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.860%
50) Toluene-d8	8.635	98	345661	45.301	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.600%#
62) 4-Bromofluorobenzene	11.061	95	137201	47.379	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.760%
Target Compounds						Qvalue
7) Trichlorofluoromethane	1.898	101	951	0.272	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	1002	0.491	ug/l	89
12) 1,1-Dichloroethene	2.319	96	1539	0.734	ug/l	93
13) Acrolein	2.233	56	64	0.222	ug/l	94
16) Acetone	2.380	43	1798	1.472	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	5026	0.656	ug/l #	86
20) Methylene Chloride	2.788	84	541	0.209	ug/l #	84
21) trans-1,2-Dichloroethene	3.093	96	697	0.309	ug/l #	75
24) 1,1-Dichloroethane	3.605	63	2173	0.487	ug/l #	93
27) cis-1,2-Dichloroethene	4.489	96	3249	1.175	ug/l	97
31) Cyclohexane	5.532	56	4005	1.079	ug/l #	8
36) 1,1-Dichloropropene	5.538	75	15407	4.781	ug/l #	51
38) Carbon Tetrachloride	5.538	117	20045	5.725	ug/l #	18
39) Methylcyclohexane	7.111	83	29571	8.085	ug/l #	1
44) Trichloroethene	7.111	130	2423960	1024.453	ug/l	96
51) 4-Methyl-2-Pentanone	8.635	43	1580	0.504	ug/l #	1
60) Dibromochloromethane	9.257	129	2866	1.070	ug/l #	11
64) Tetrachloroethene	9.257	164	3009	1.615	ug/l	91
76) 1,2,3-Trichloropropane	11.061	75	71448	25.594	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	71448	65.269	ug/l #	8

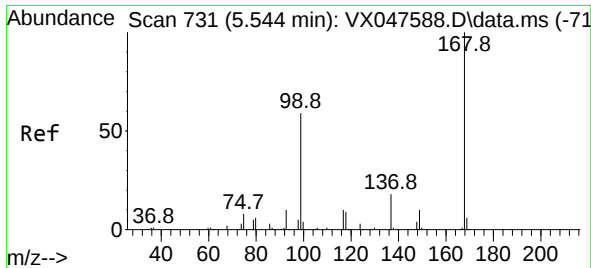
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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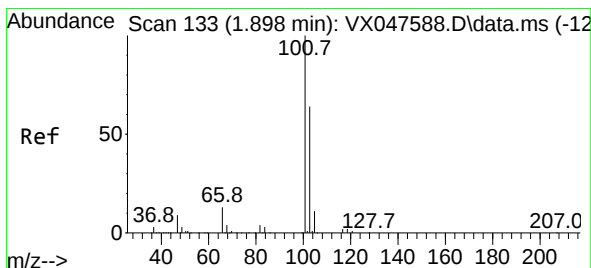
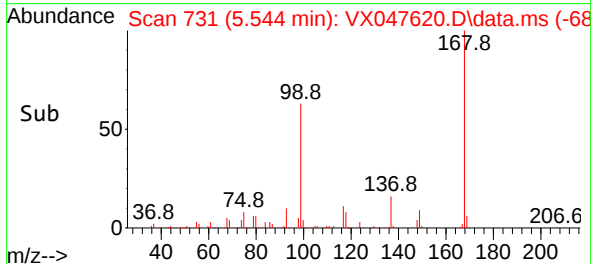
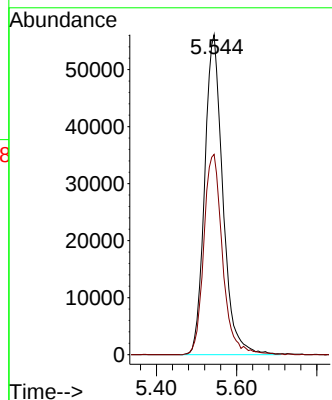
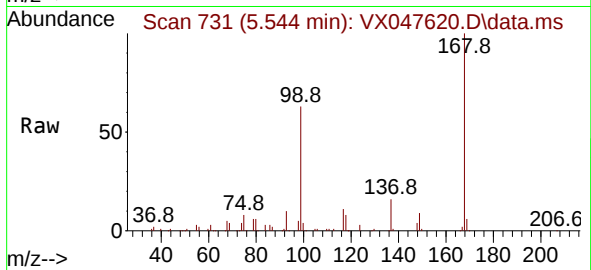




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

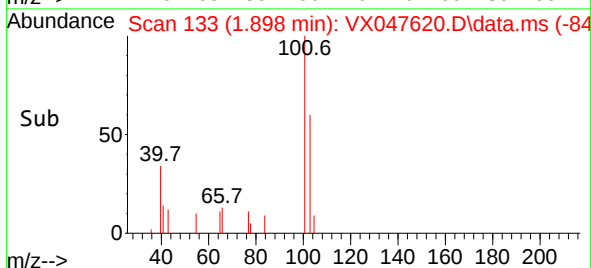
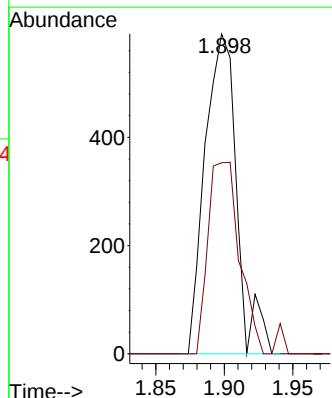
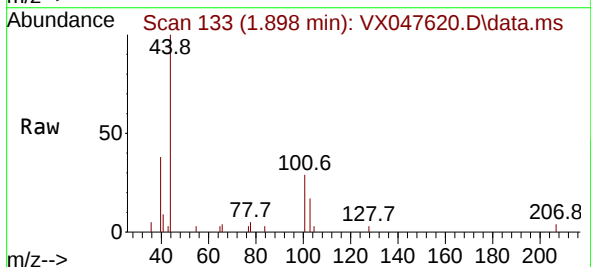
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

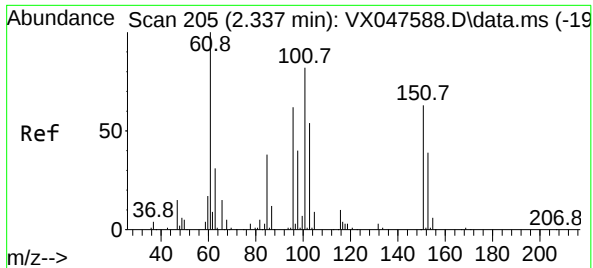
Tgt Ion:168 Resp: 176523
Ion Ratio Lower Upper
168 100
99 62.6 48.8 73.2



#7
Trichlorofluoromethane
Concen: 0.272 ug/l
RT: 1.898 min Scan# 133
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt Ion:101 Resp: 951
Ion Ratio Lower Upper
101 100
103 59.7 51.4 77.2

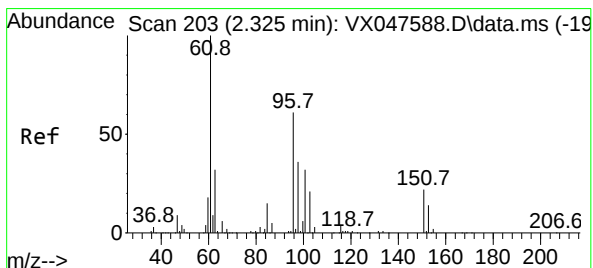
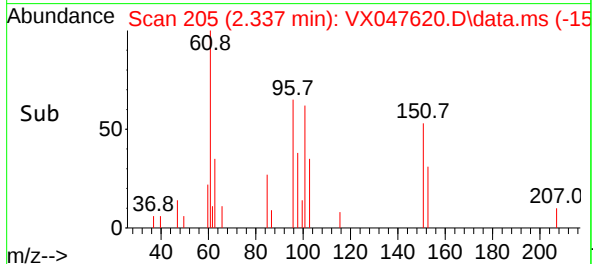
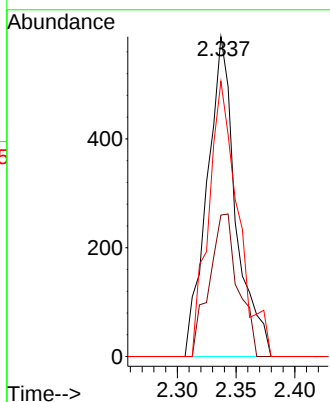
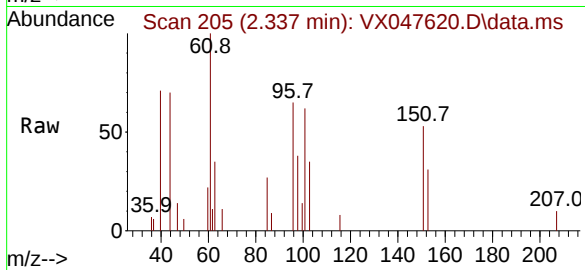




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.491 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. -0.000 min
 Lab File: VX047620.D
 Acq: 17 Sep 2025 15:51

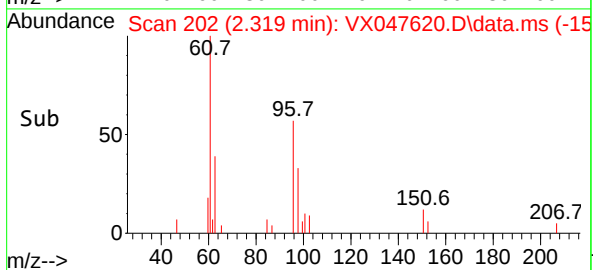
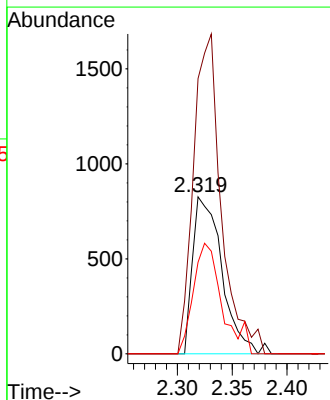
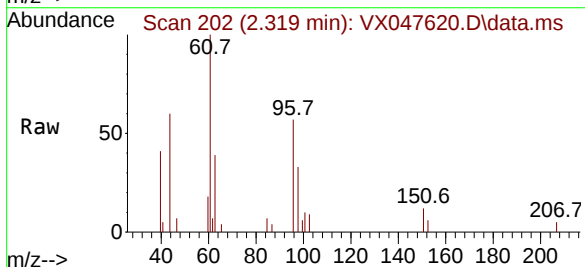
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20250909

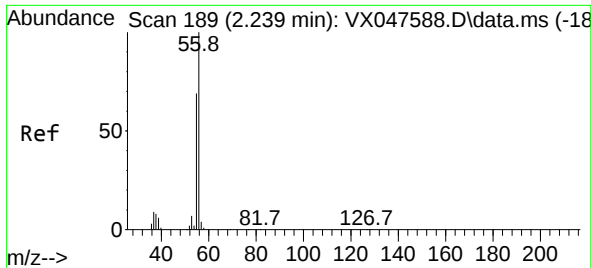
Tgt Ion:	101	Resp:	1002
Ion	Ratio	Lower	Upper
101	100		
85	44.8	35.5	53.3
151	88.5	59.4	89.0



#12
 1,1-Dichloroethene
 Concen: 0.734 ug/l
 RT: 2.319 min Scan# 202
 Delta R.T. -0.006 min
 Lab File: VX047620.D
 Acq: 17 Sep 2025 15:51

Tgt Ion:	96	Resp:	1539
Ion	Ratio	Lower	Upper
96	100		
61	175.2	131.0	196.6
98	58.3	47.7	71.5

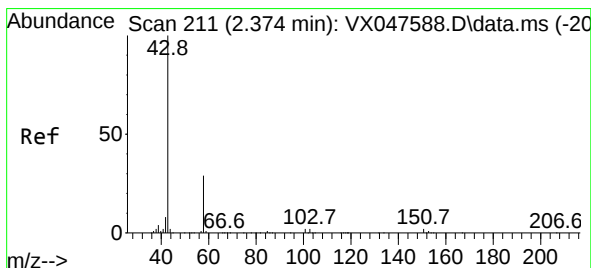
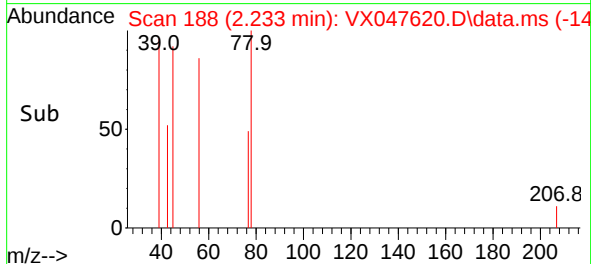
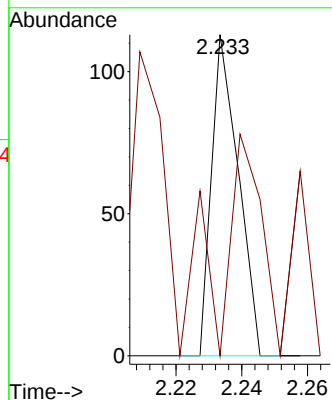
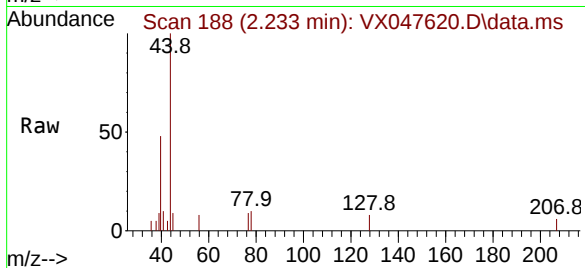




#13
Acrolein
Concen: 0.222 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

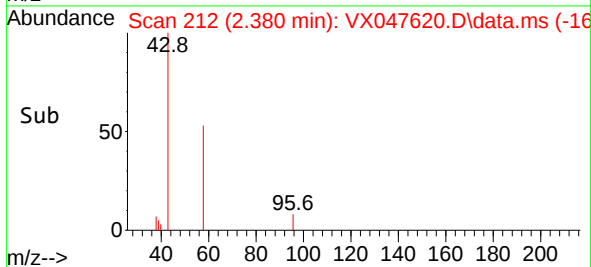
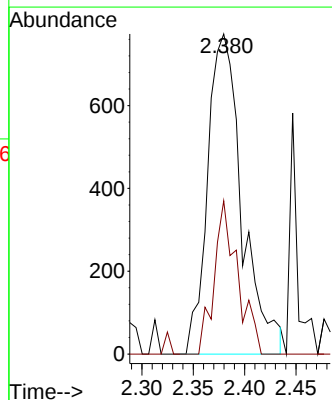
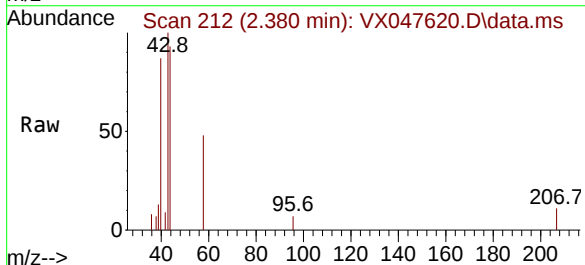
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

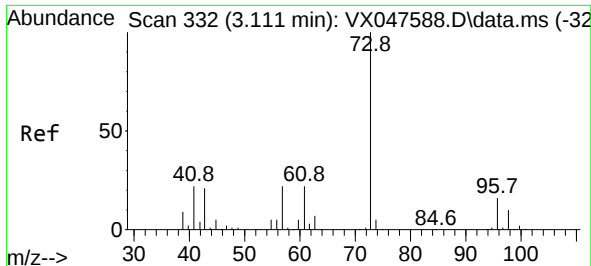
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 76.6 57.2 85.8



#16
Acetone
Concen: 1.472 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt Ion: 43 Resp: 1798
Ion Ratio Lower Upper
43 100
58 24.8 23.4 35.0





#19

Methyl tert-butyl Ether

Concen: 0.656 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX047620.D

Acq: 17 Sep 2025 15:51

Instrument :

MSVOA_X

ClientSampleId :

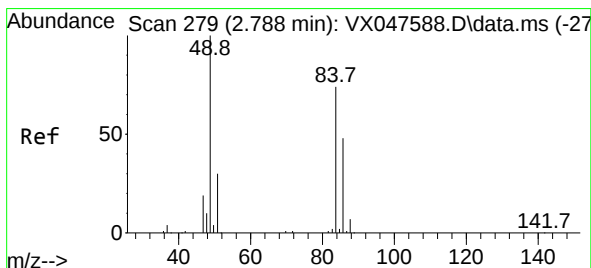
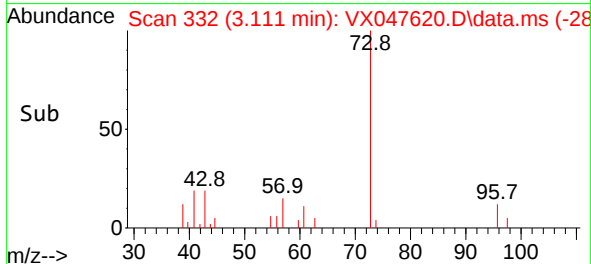
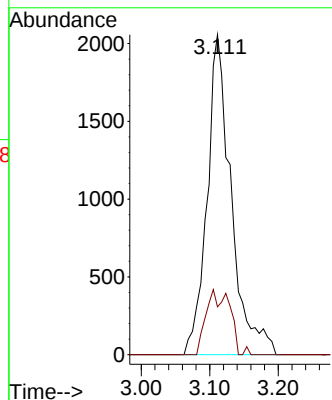
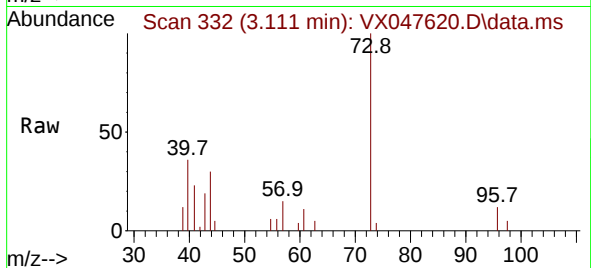
DUP01-20250909

Tgt Ion: 73 Resp: 5026

Ion Ratio Lower Upper

73 100

57 14.9 17.4 26.2#



#20

Methylene Chloride

Concen: 0.209 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX047620.D

Acq: 17 Sep 2025 15:51

Tgt Ion: 84 Resp: 541

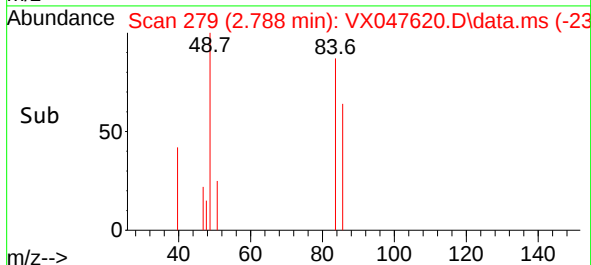
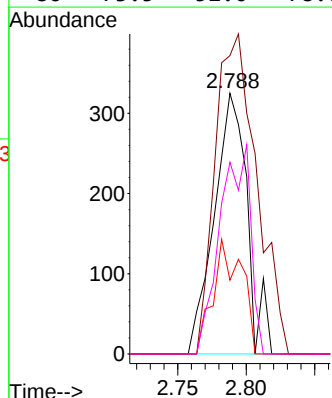
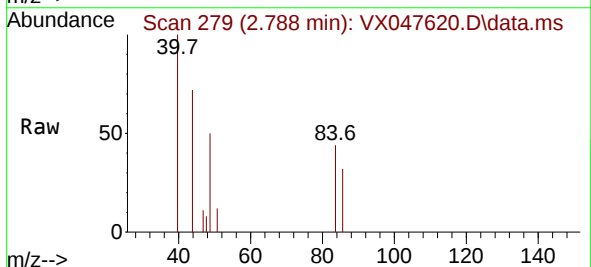
Ion Ratio Lower Upper

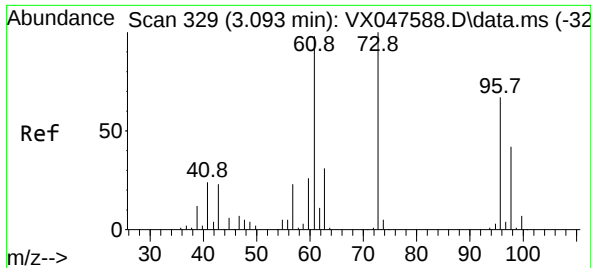
84 100

49 114.5 108.6 162.8

51 28.3 32.6 48.8#

86 73.5 52.0 78.0

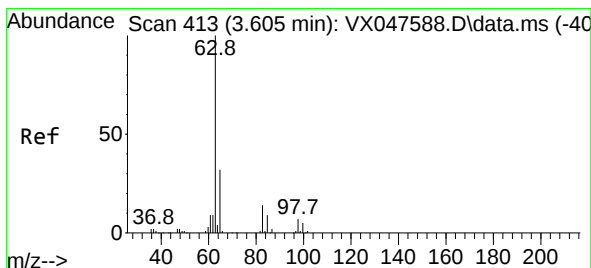
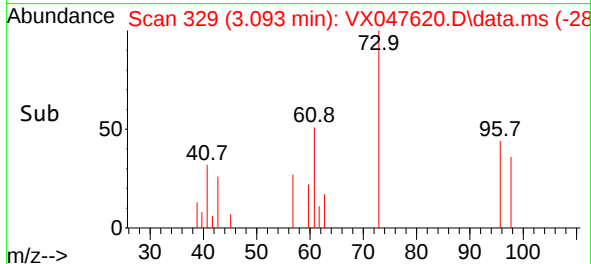
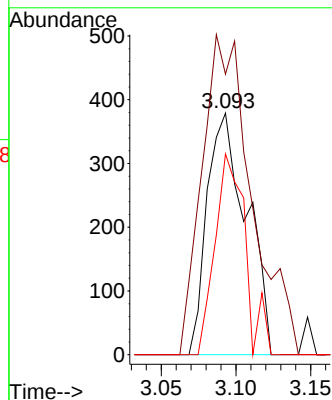
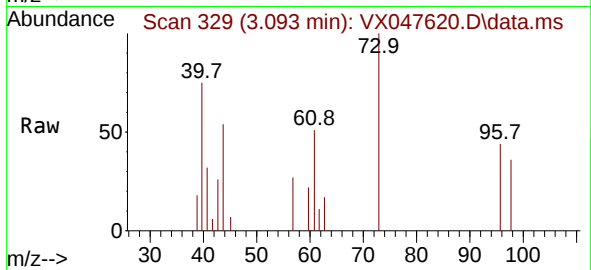




#21
trans-1,2-Dichloroethene
Concen: 0.309 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

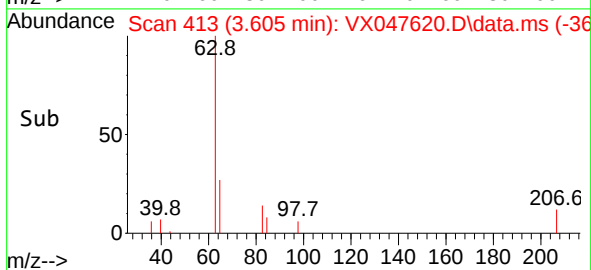
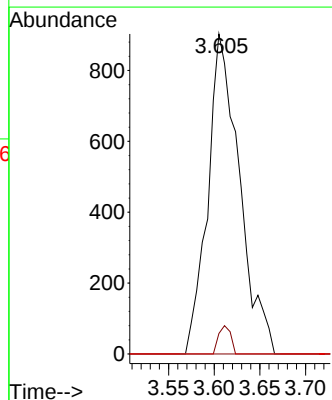
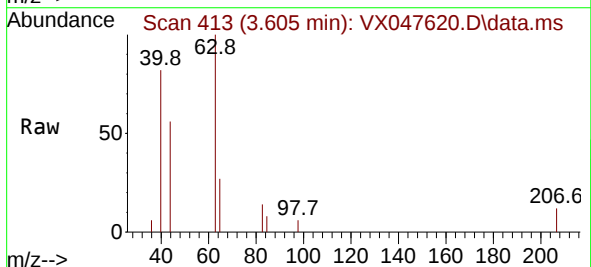
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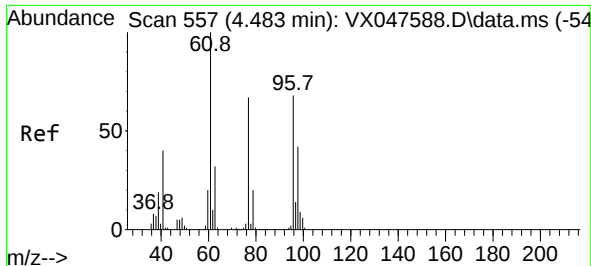
Tgt Ion: 96 Resp: 697
Ion Ratio Lower Upper
96 100
61 116.1 116.2 174.2#
98 83.1 49.3 73.9#



#24
1,1-Dichloroethane
Concen: 0.487 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt Ion: 63 Resp: 2173
Ion Ratio Lower Upper
63 100
98 6.4 3.8 11.2
100 0.0 2.3 6.9#





#27

cis-1,2-Dichloroethene

Concen: 1.175 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX047620.D

Acq: 17 Sep 2025 15:51

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20250909

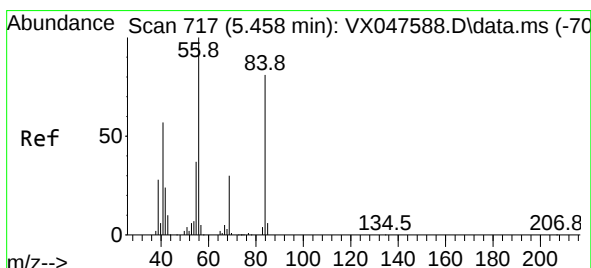
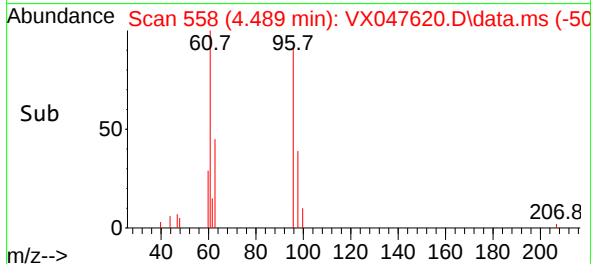
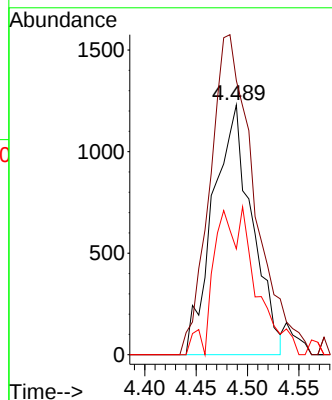
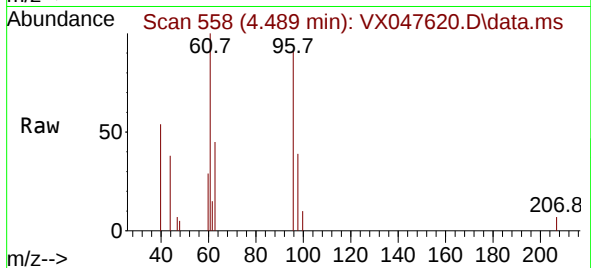
Tgt Ion: 96 Resp: 3249

Ion Ratio Lower Upper

96 100

61 146.4 0.0 303.2

98 62.6 0.0 127.8



#31

Cyclohexane

Concen: 1.079 ug/l

RT: 5.532 min Scan# 729

Delta R.T. 0.073 min

Lab File: VX047620.D

Acq: 17 Sep 2025 15:51

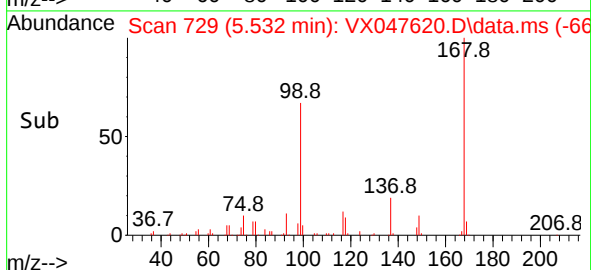
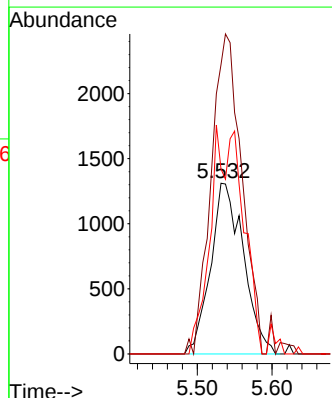
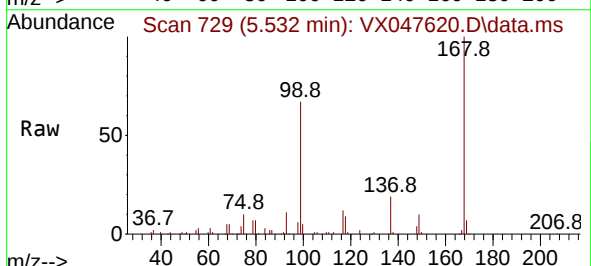
Tgt Ion: 56 Resp: 4005

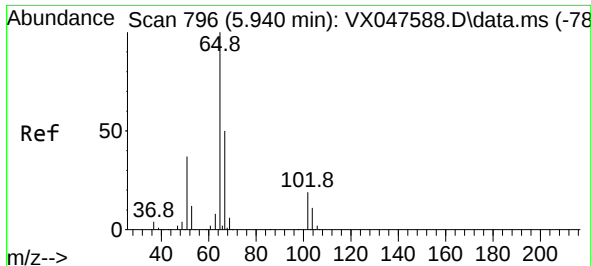
Ion Ratio Lower Upper

56 100

69 169.5 23.8 35.8#

84 108.4 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 51.805 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047620.D

Acq: 17 Sep 2025 15:51

Instrument :

MSVOA_X

ClientSampleId :

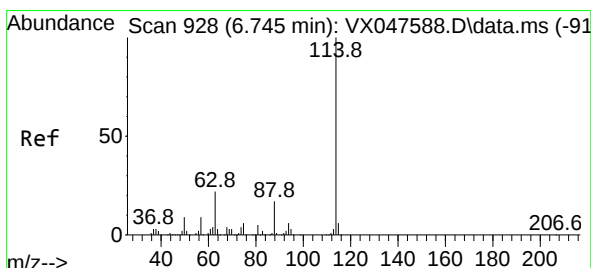
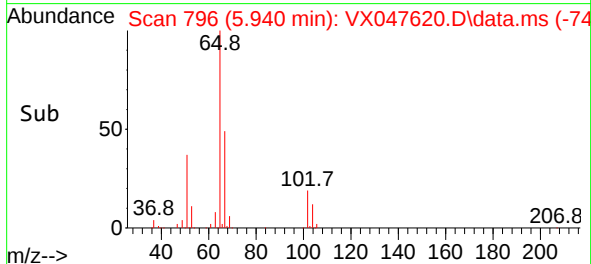
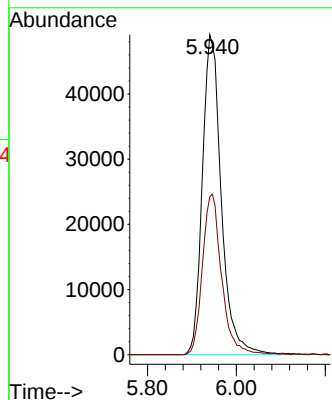
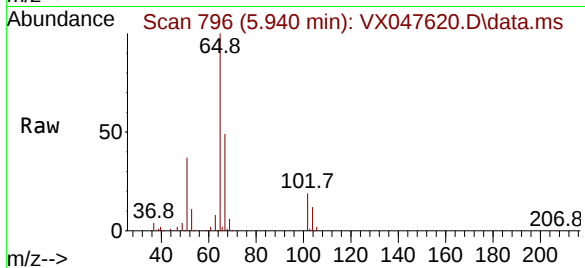
DUP01-20250909

Tgt Ion: 65 Resp: 145563

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047620.D

Acq: 17 Sep 2025 15:51

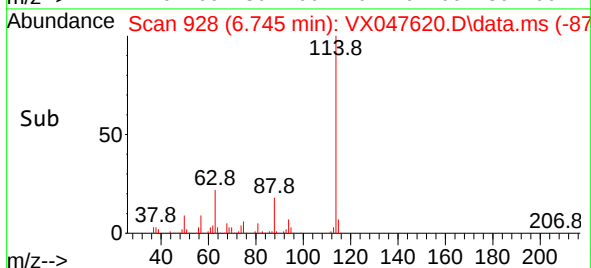
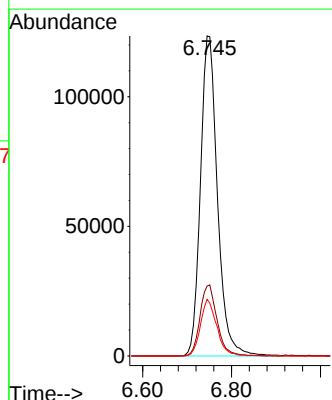
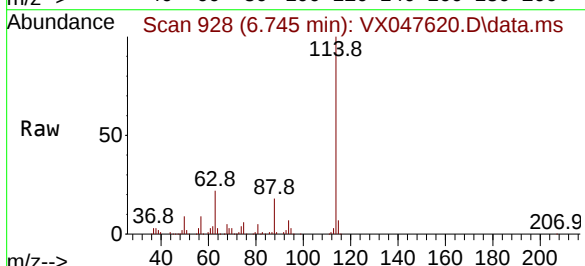
Tgt Ion: 114 Resp: 328808

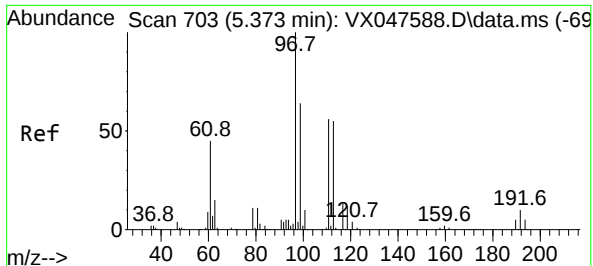
Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.0

88 17.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 47.434 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX047620.D

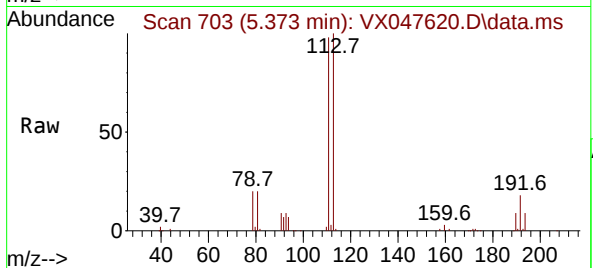
Acq: 17 Sep 2025 15:51

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20250909



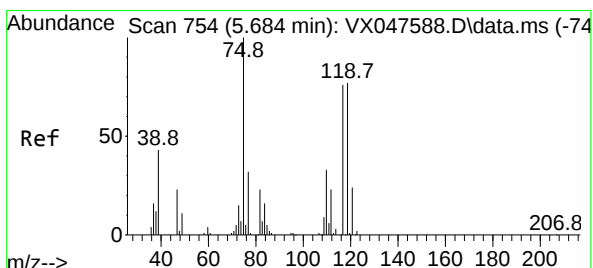
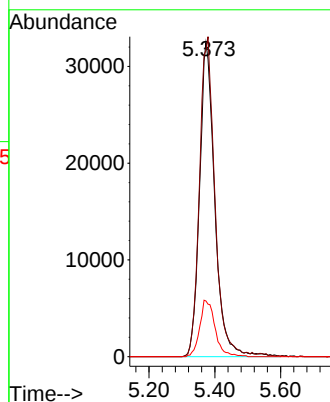
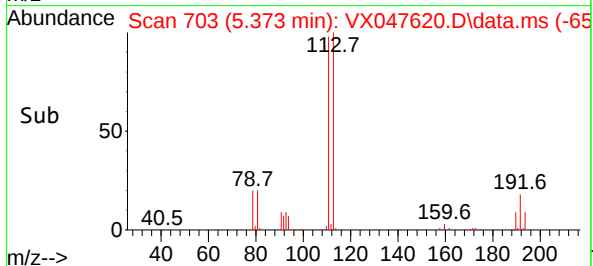
Tgt Ion:113 Resp: 104600

Ion Ratio Lower Upper

113 100

111 102.7 80.9 121.3

192 18.2 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.781 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.146 min

Lab File: VX047620.D

Acq: 17 Sep 2025 15:51

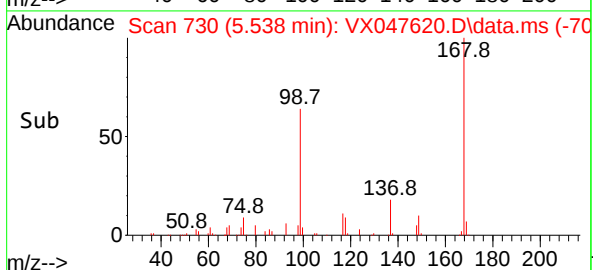
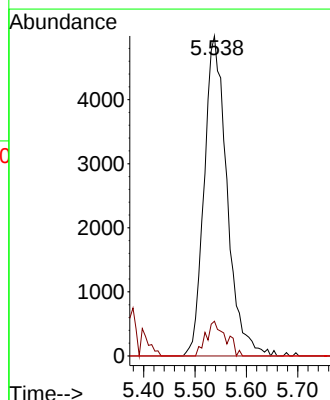
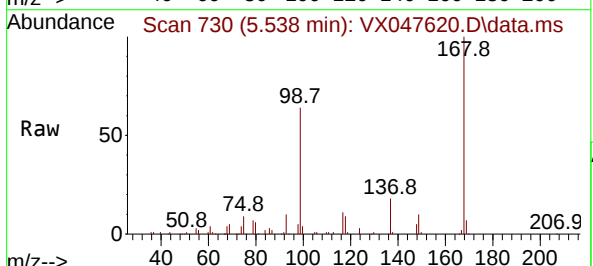
Tgt Ion: 75 Resp: 15407

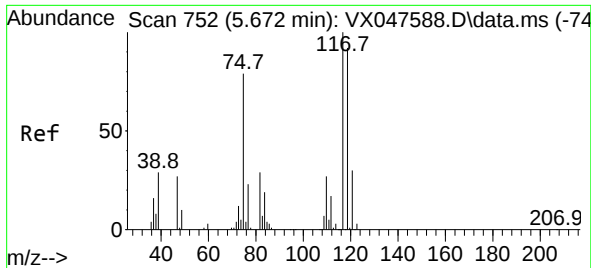
Ion Ratio Lower Upper

75 100

110 9.4 16.7 50.1#

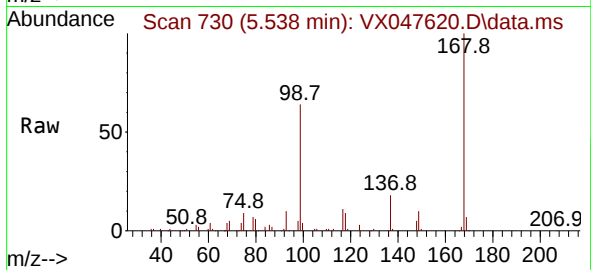
77 0.0 24.3 36.5#



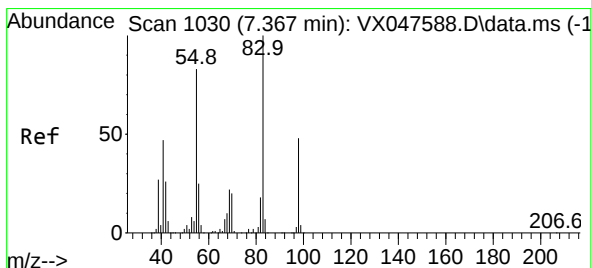
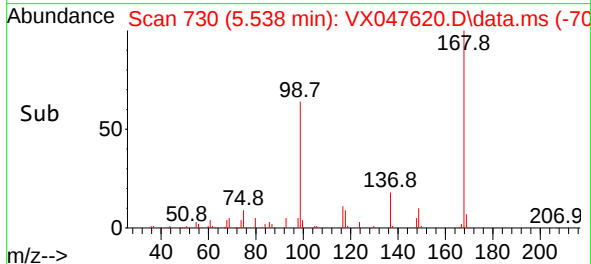
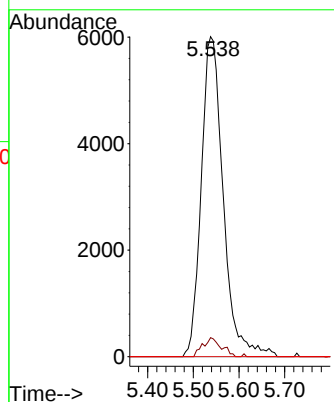


#38
Carbon Tetrachloride
Concen: 5.725 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

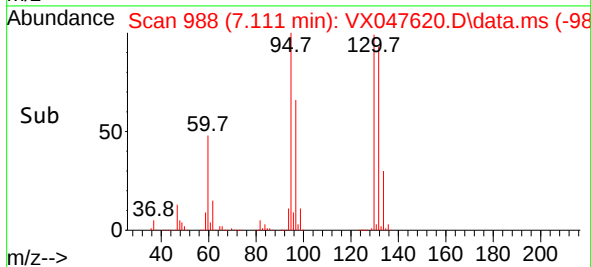
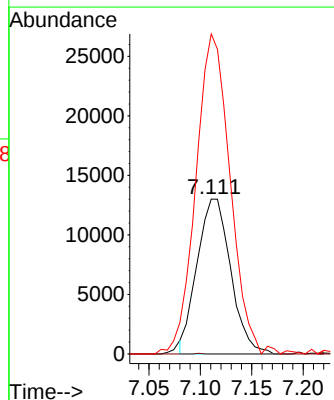
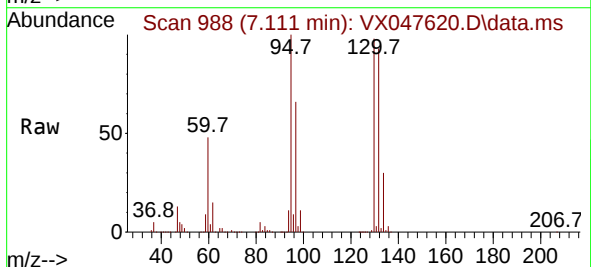


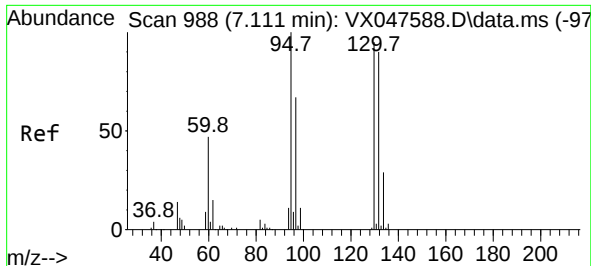
Tgt Ion:117 Resp: 20045
Ion Ratio Lower Upper
117 100
119 6.0 73.4 110.2#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 8.085 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.256 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt Ion: 83 Resp: 29571
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 302.8 38.1 57.1#

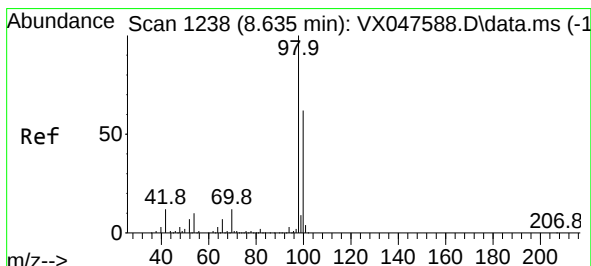
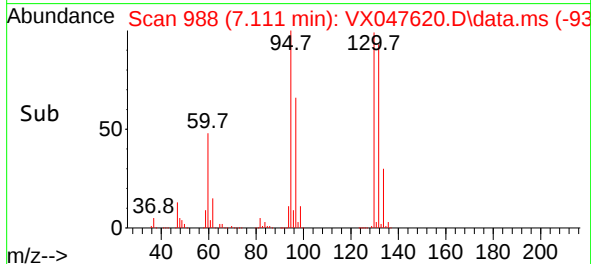
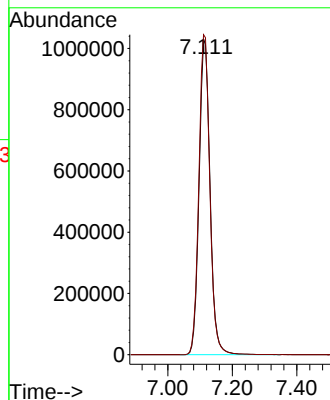
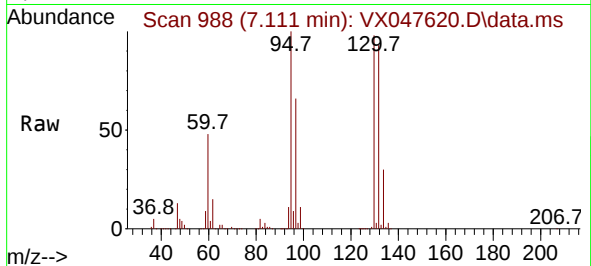




#44
Trichloroethene
Concen: 1024.453 ug/l
RT: 7.111 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

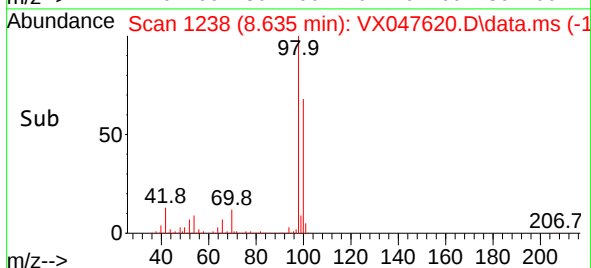
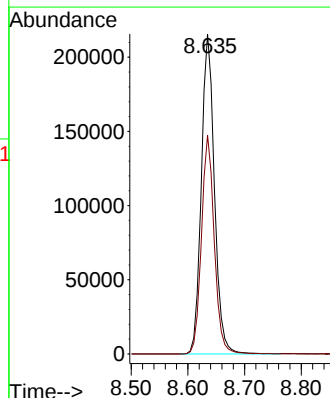
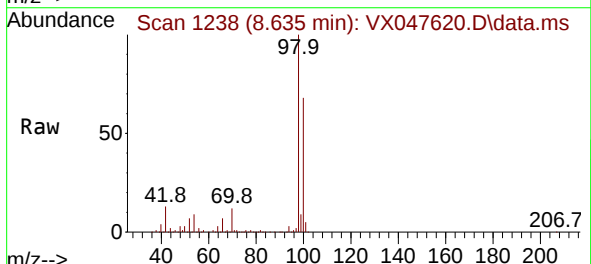
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

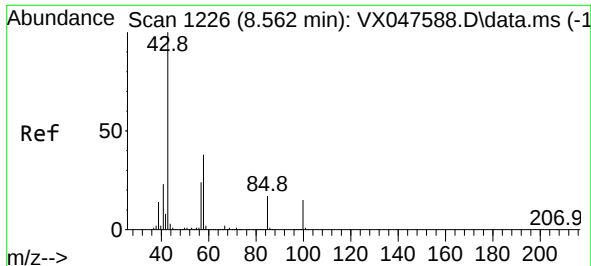
Tgt Ion:130 Resp: 2423960
Ion Ratio Lower Upper
130 100
95 101.5 0.0 210.8



#50
Toluene-d8
Concen: 45.301 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt Ion: 98 Resp: 345661
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.4

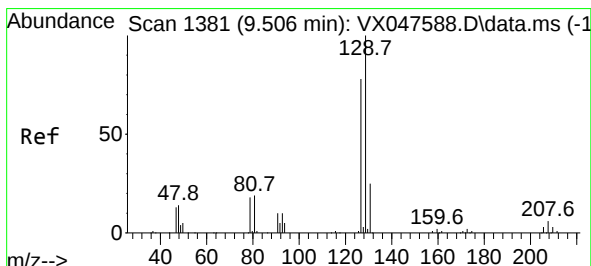
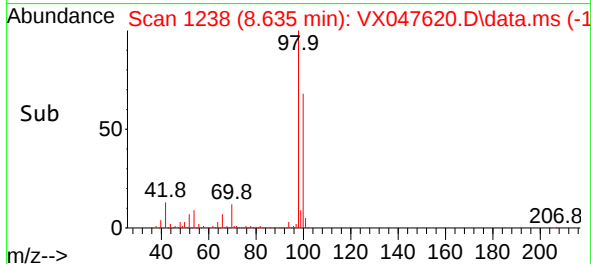
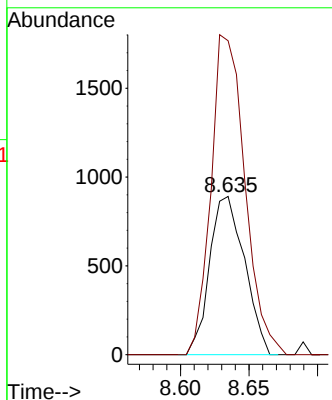
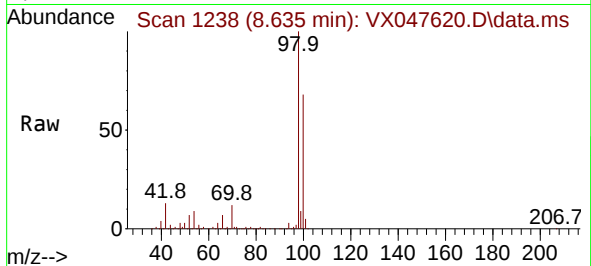




#51
 4-Methyl-2-Pentanone
 Concen: 0.504 ug/l
 RT: 8.635 min Scan# 11
 Delta R.T. 0.073 min
 Lab File: VX047620.D
 Acq: 17 Sep 2025 15:51

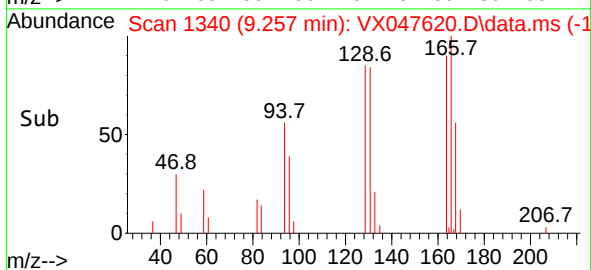
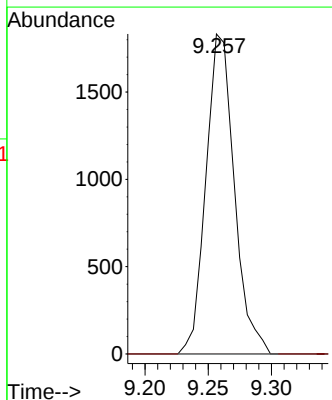
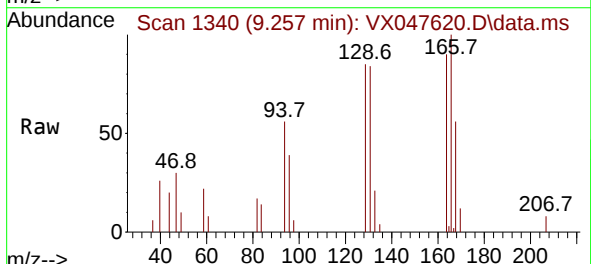
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20250909

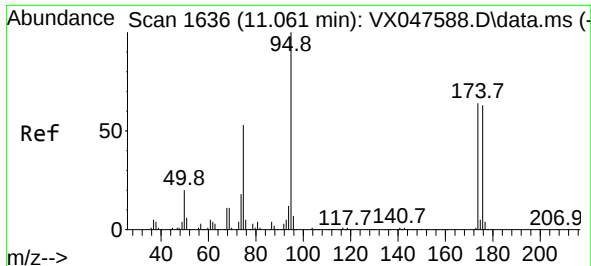
Tgt Ion: 43 Resp: 1580
 Ion Ratio Lower Upper
 43 100
 58 196.4 30.3 45.5#



#60
 Dibromochloromethane
 Concen: 1.070 ug/l
 RT: 9.257 min Scan# 1340
 Delta R.T. -0.250 min
 Lab File: VX047620.D
 Acq: 17 Sep 2025 15:51

Tgt Ion: 129 Resp: 2866
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.2#

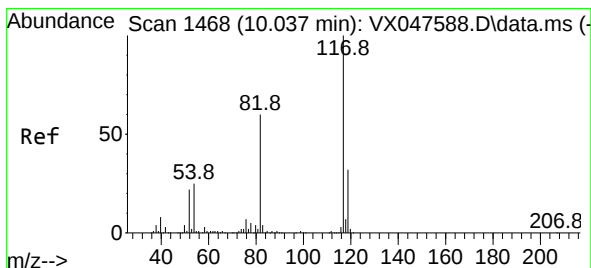
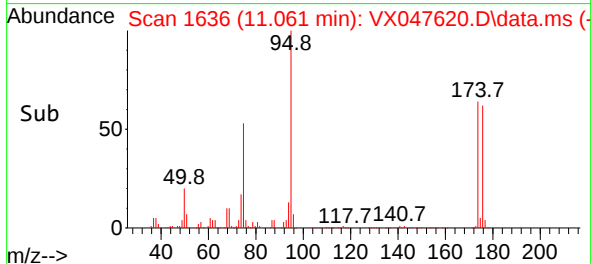
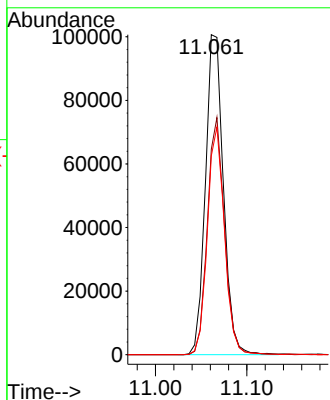
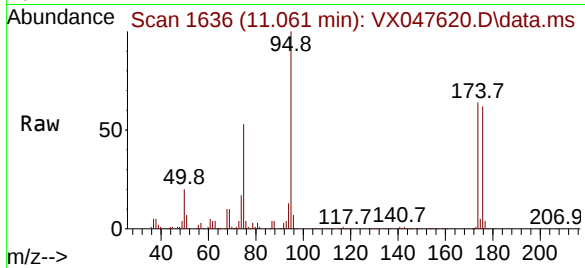




#62
4-Bromofluorobenzene
Concen: 47.379 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

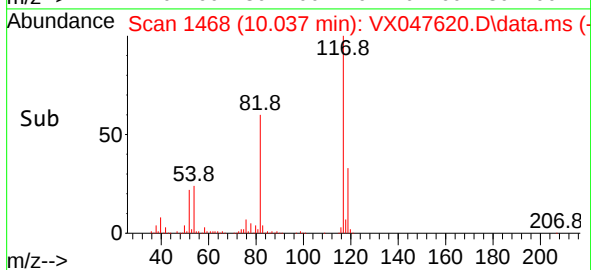
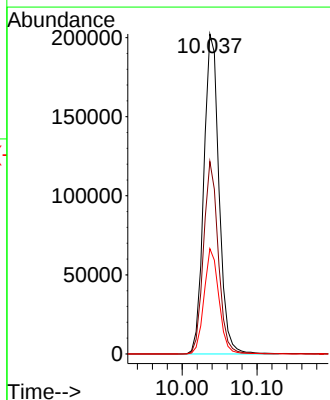
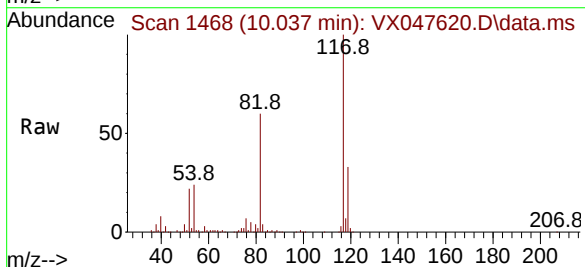
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

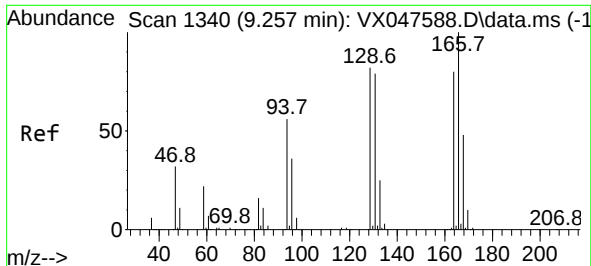
Tgt Ion: 95 Resp: 137201
Ion Ratio Lower Upper
95 100
174 70.8 0.0 141.6
176 67.8 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt Ion: 117 Resp: 285767
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.6
119 32.9 25.2 37.8

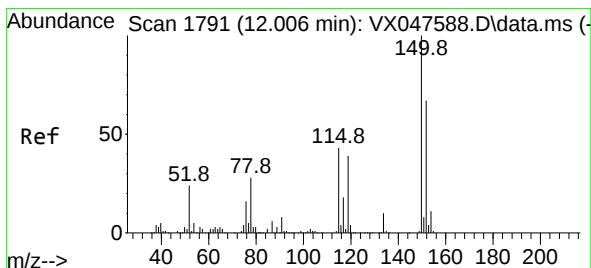
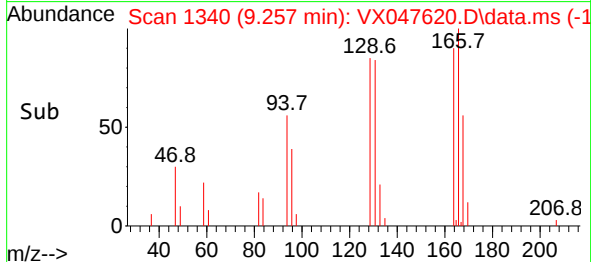
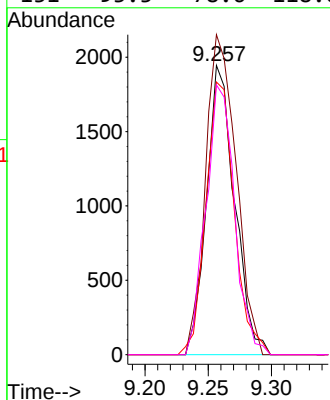
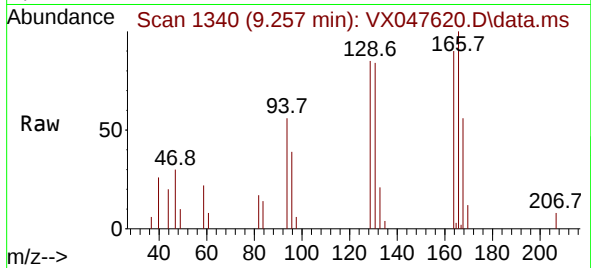




#64
Tetrachloroethene
Concen: 1.615 ug/l
RT: 9.257 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

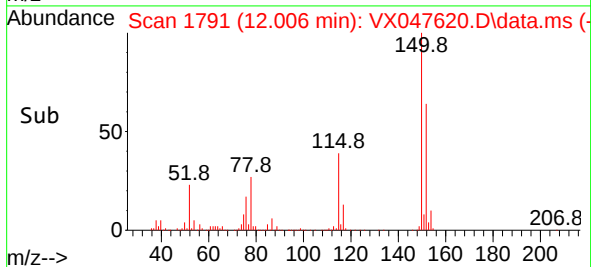
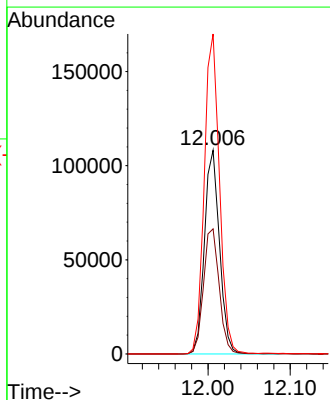
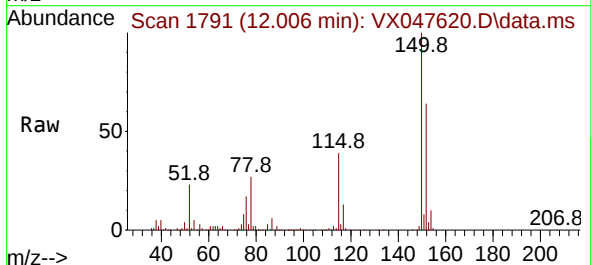
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

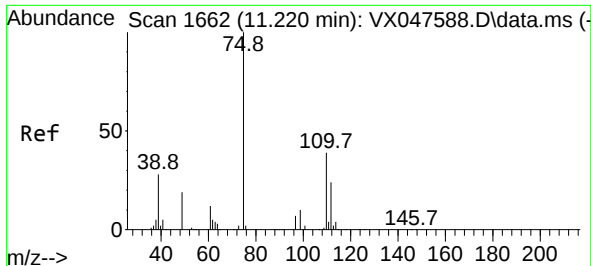
Tgt Ion:164	Resp:	3009	
Ion	Ratio	Lower	Upper
164	100		
166	110.6	100.2	150.2
129	94.2	81.8	122.6
131	93.3	78.6	118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt	Ion:152	Resp:	137877
Ion	Ratio	Lower	Upper
152	100		
115	63.9	44.9	134.5
150	158.3	0.0	352.0

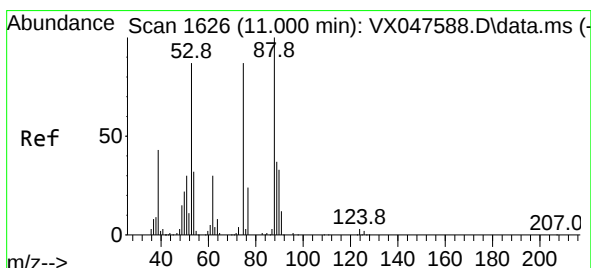
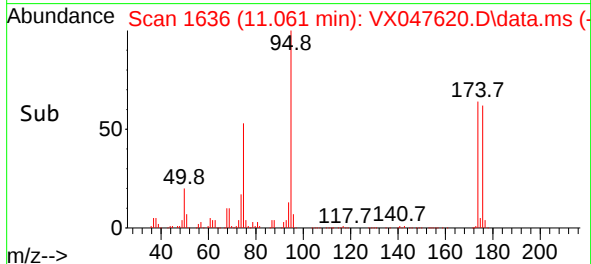
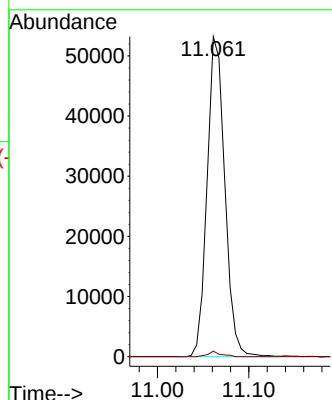
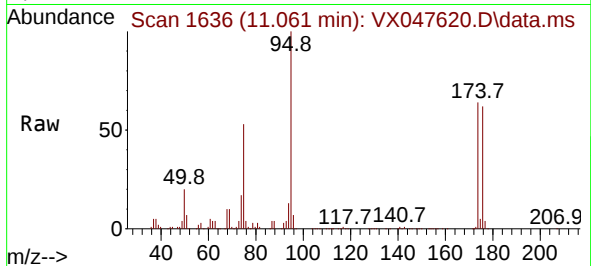




#76
1,2,3-Trichloropropane
Concen: 25.594 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

Tgt Ion: 75 Resp: 71448
Ion Ratio Lower Upper
75 100
77 1.2 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.269 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

Tgt Ion: 75 Resp: 71448
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

