

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047807.D
 Acq On : 25 Sep 2025 13:31
 Operator : JC/MD
 Sample : Q3127-04DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP07-20250915DL

Quant Time: Sep 26 01:27:26 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)

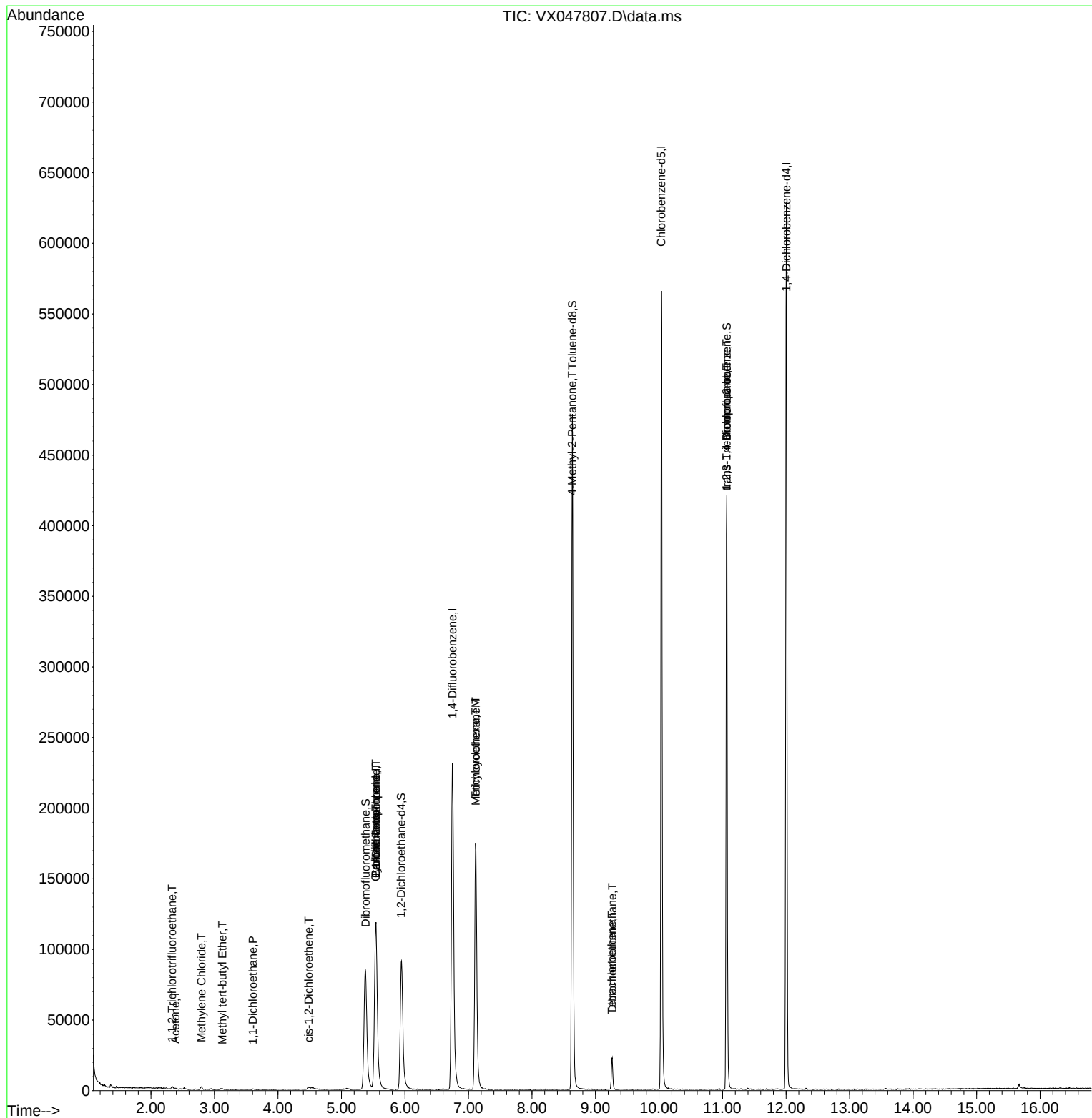
Internal Standards						
1) Pentafluorobenzene	5.544	168	121002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	255503	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	98044	50.904	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 101.800%		
35) Dibromofluoromethane	5.379	113	83769	48.886	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.780%		
50) Toluene-d8	8.634	98	290222	48.948	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 97.900%		
62) 4-Bromofluorobenzene	11.067	95	121188	53.856	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 107.720%		
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	760	0.543	ug/l	96
16) Acetone	2.386	43	796	0.951	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	1076	0.205	ug/l #	54
20) Methylene Chloride	2.794	84	878	0.495	ug/l #	92
24) 1,1-Dichloroethane	3.605	63	685	0.224	ug/l #	81
27) cis-1,2-Dichloroethene	4.483	96	1119	0.590	ug/l	90
31) Cyclohexane	5.537	56	2624	1.031	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10618	4.241	ug/l #	53
38) Carbon Tetrachloride	5.544	117	12479	4.587	ug/l #	17
39) Methylcyclohexane	7.116	83	1422	0.500	ug/l #	1
44) Trichloroethene	7.110	130	74427	40.480	ug/l	96
51) 4-Methyl-2-Pentanone	8.628	43	1375	0.564	ug/l #	1
60) Dibromochloromethane	9.262	129	4277	2.055	ug/l #	11
64) Tetrachloroethene	9.256	164	4448	2.613	ug/l	84
76) 1,2,3-Trichloropropane	11.061	75	62746	23.926	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	62746	61.014	ug/l #	8

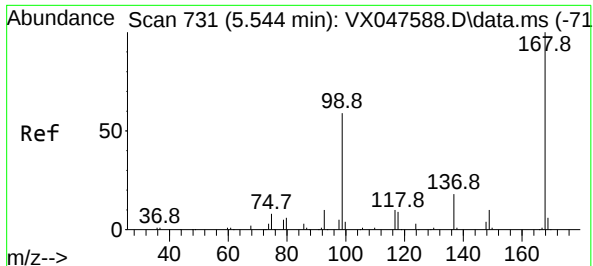
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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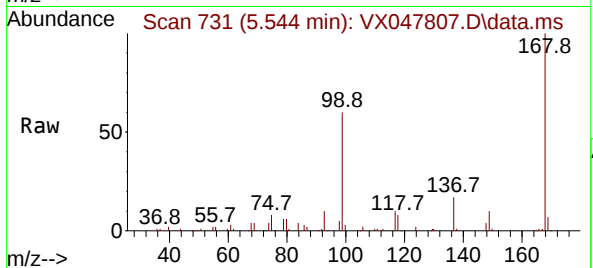
Quant Time: Sep 26 01:27:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



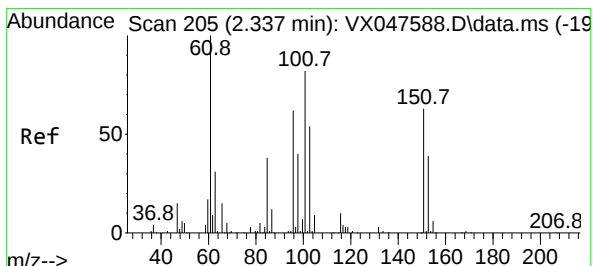
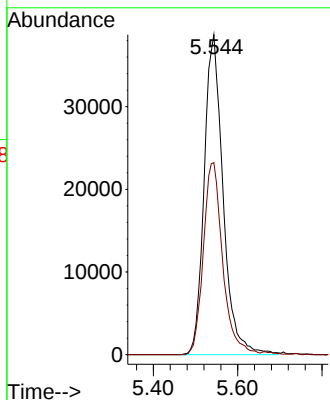
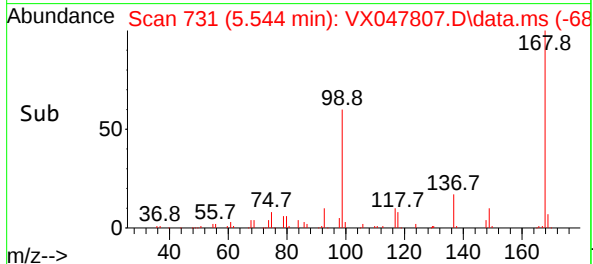


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

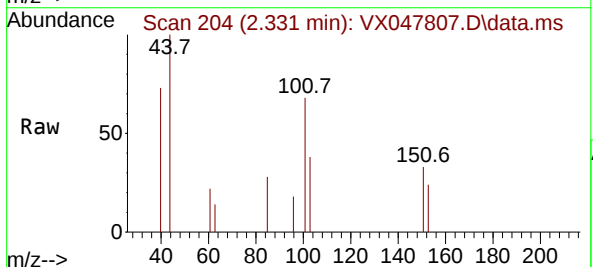
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250915DL



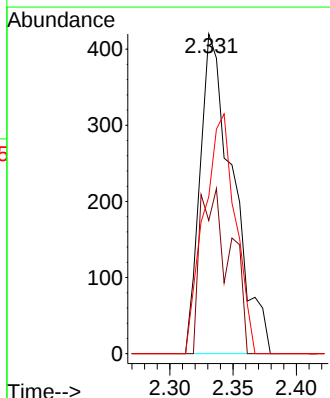
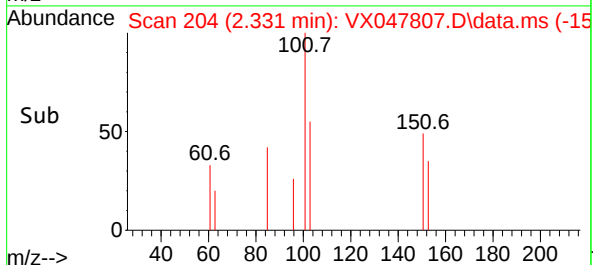
Tgt Ion:168 Resp: 121002
Ion Ratio Lower Upper
168 100
99 60.0 48.8 73.2

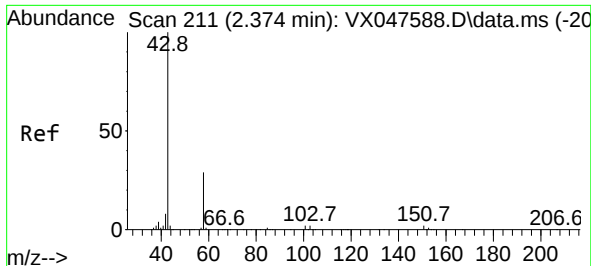


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.543 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31



Tgt Ion:101 Resp: 760
Ion Ratio Lower Upper
101 100
85 47.6 35.5 53.3
151 71.6 59.4 89.0

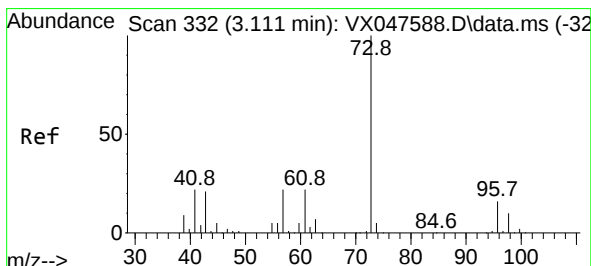
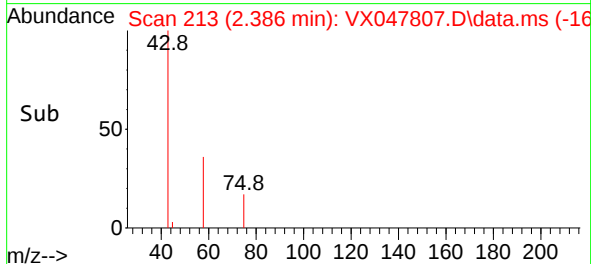
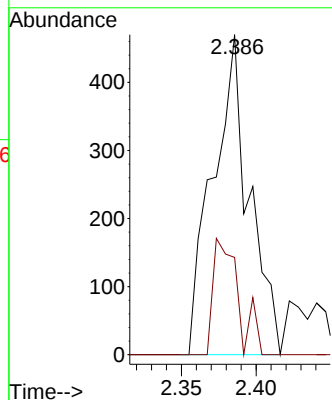
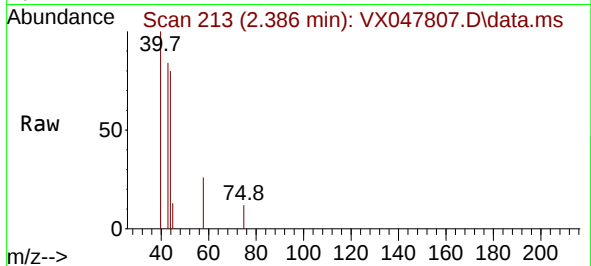




#16
Acetone
Concen: 0.951 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

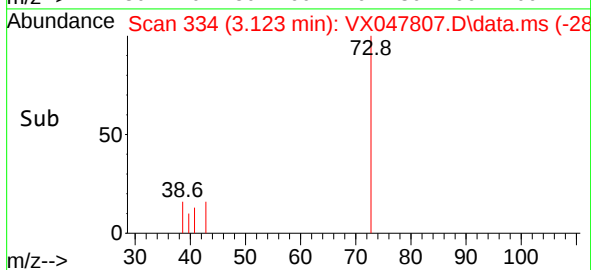
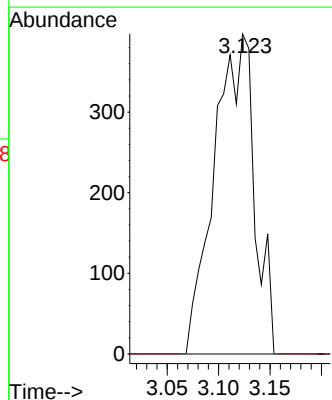
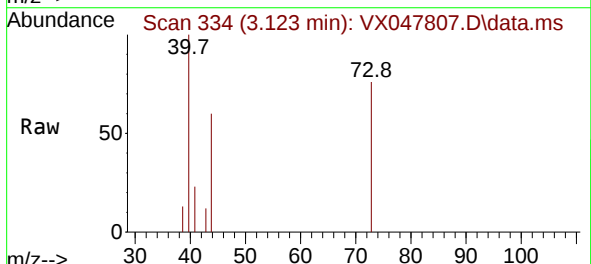
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250915DL

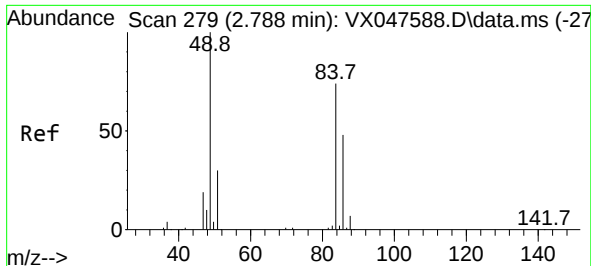
Tgt Ion: 43 Resp: 796
Ion Ratio Lower Upper
43 100
58 30.4 23.4 35.0



#19
Methyl tert-butyl Ether
Concen: 0.205 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.012 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

Tgt Ion: 73 Resp: 1076
Ion Ratio Lower Upper
73 100
57 0.0 17.4 26.2#

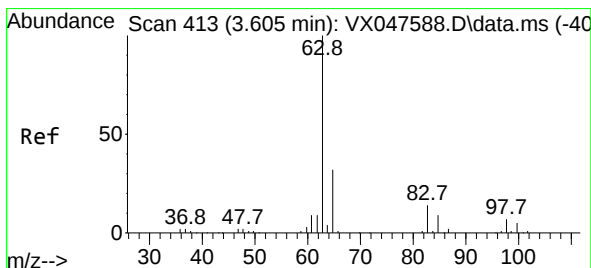
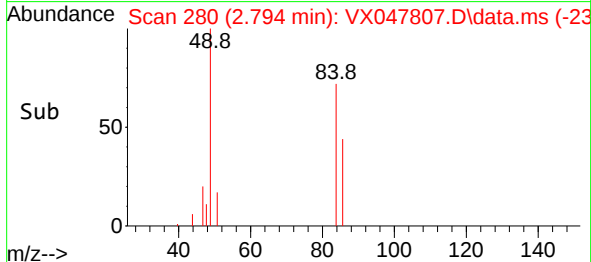
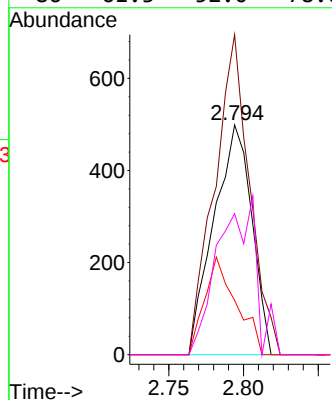
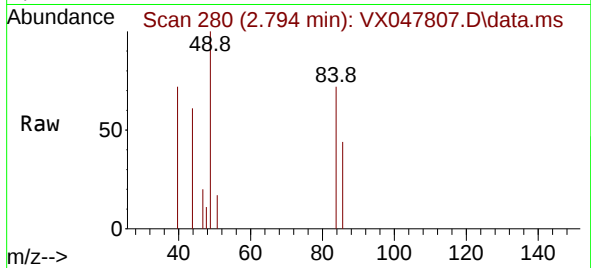




#20
Methylene Chloride
Concen: 0.495 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

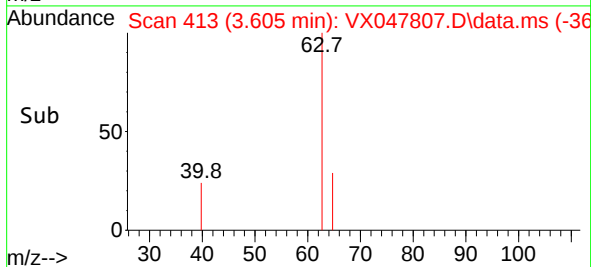
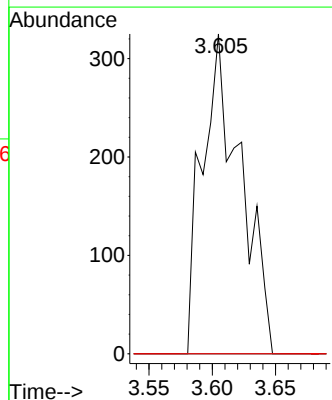
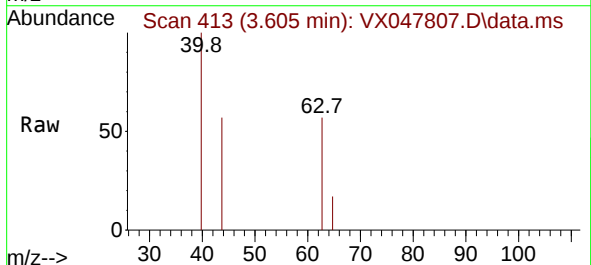
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250915DL

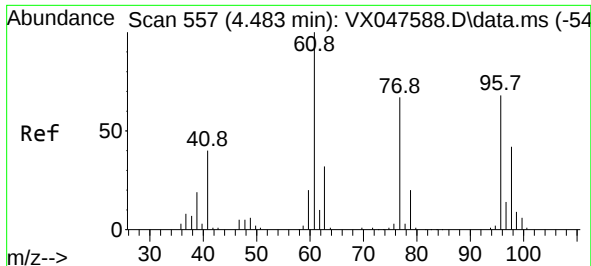
Tgt Ion: 84 Resp: 878
Ion Ratio Lower Upper
84 100
49 139.3 108.6 162.8
51 23.6 32.6 48.8#
86 61.3 52.0 78.0



#24
1,1-Dichloroethane
Concen: 0.224 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

Tgt Ion: 63 Resp: 685
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.3 6.9#

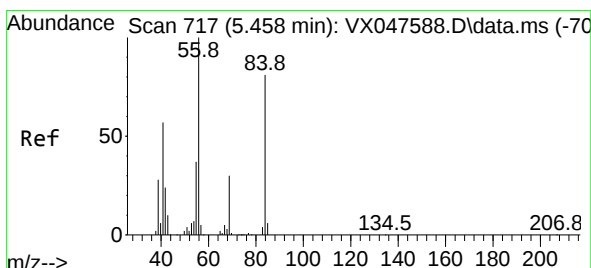
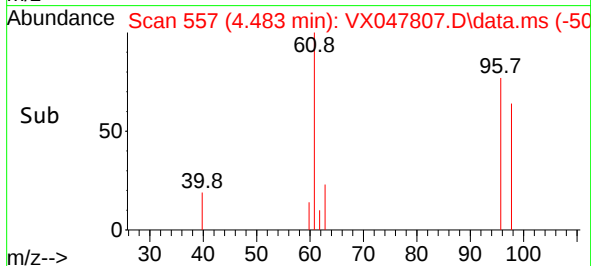
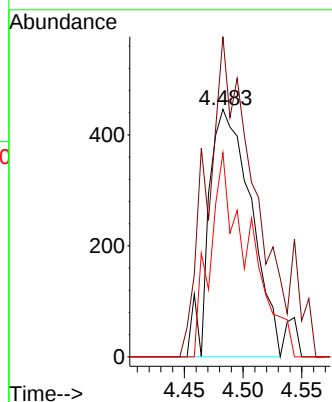
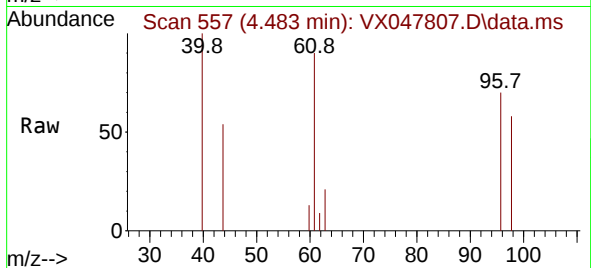




#27
 cis-1,2-Dichloroethene
 Concen: 0.590 ug/l
 RT: 4.483 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VX047807.D
 Acq: 25 Sep 2025 13:31

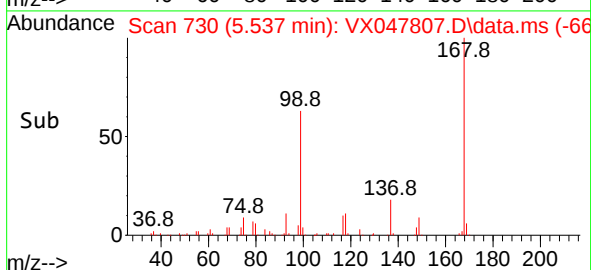
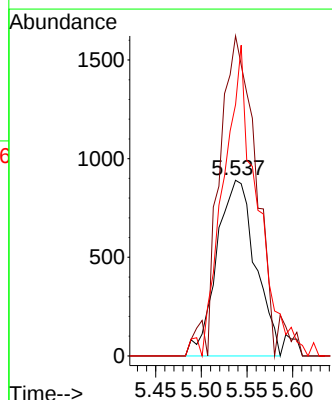
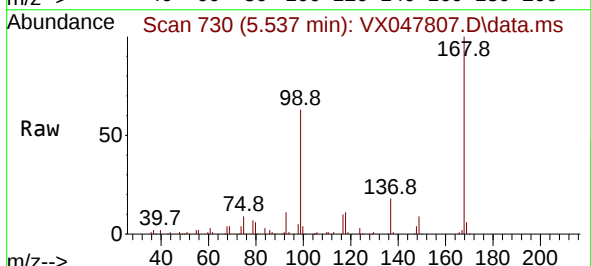
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP07-20250915DL

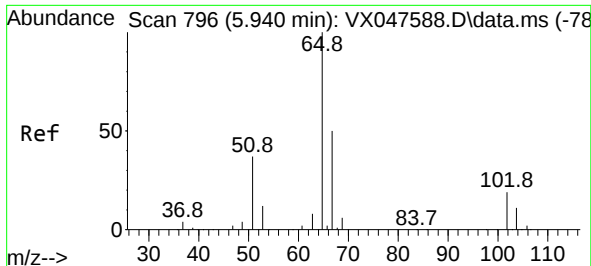
Tgt Ion:	96	Resp:	1119
Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	303.2
98	76.5	0.0	127.8



#31
 Cyclohexane
 Concen: 1.031 ug/l
 RT: 5.537 min Scan# 730
 Delta R.T. 0.079 min
 Lab File: VX047807.D
 Acq: 25 Sep 2025 13:31

Tgt Ion:	56	Resp:	2624
Ion	Ratio	Lower	Upper
56	100		
69	182.2	23.8	35.8#
84	143.1	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 50.904 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047807.D

Acq: 25 Sep 2025 13:31

Instrument :

MSVOA_X

ClientSampleId :

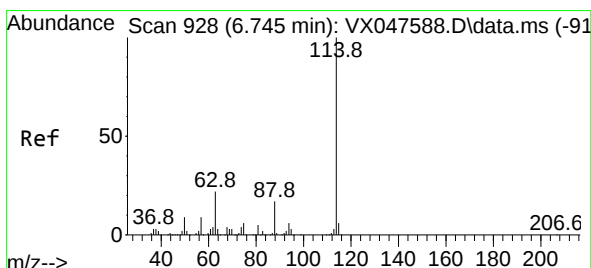
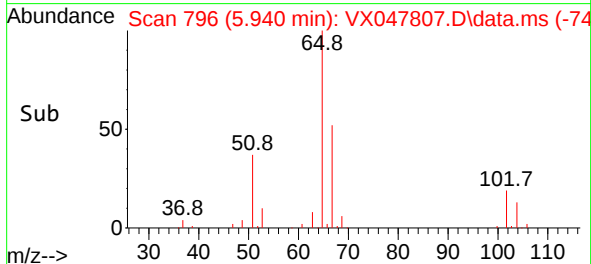
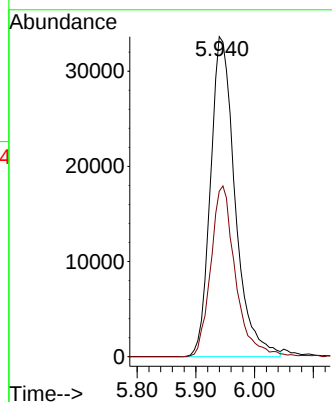
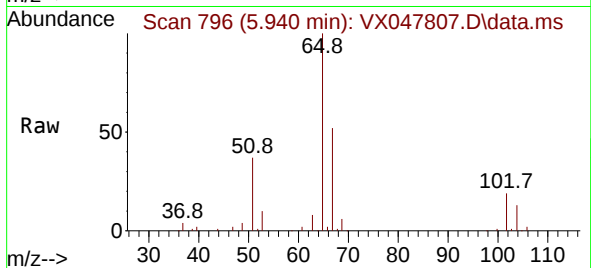
DUP07-20250915DL

Tgt Ion: 65 Resp: 98044

Ion Ratio Lower Upper

65 100

67 53.8 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: VX047807.D

Acq: 25 Sep 2025 13:31

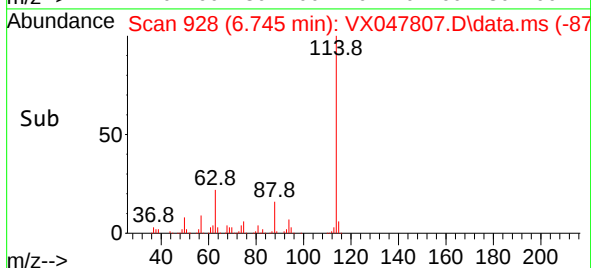
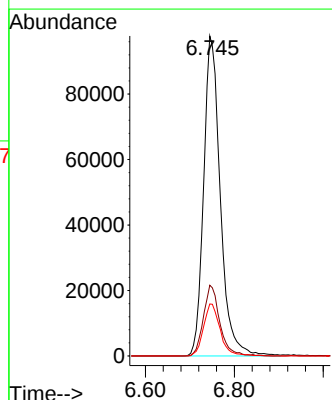
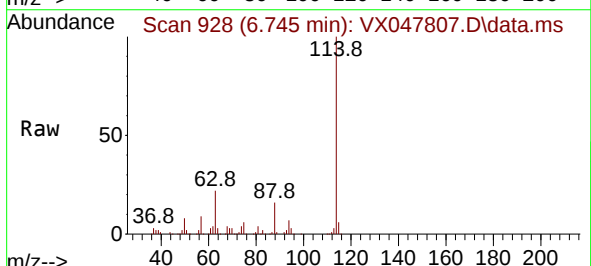
Tgt Ion: 114 Resp: 255503

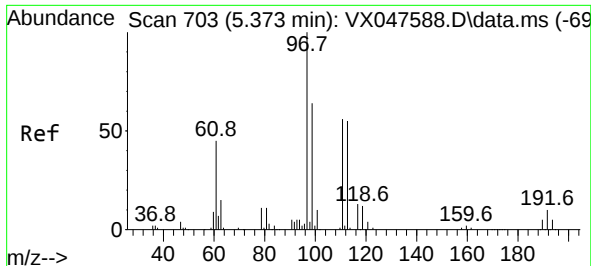
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.0

88 16.3 0.0 34.2

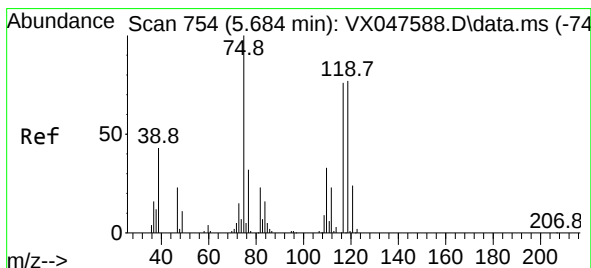
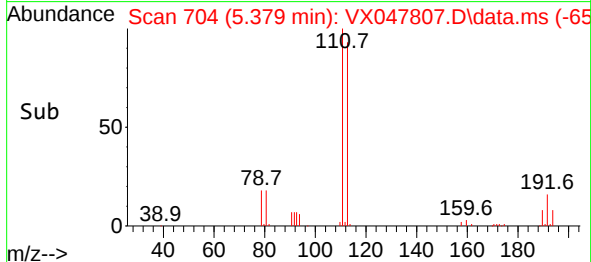
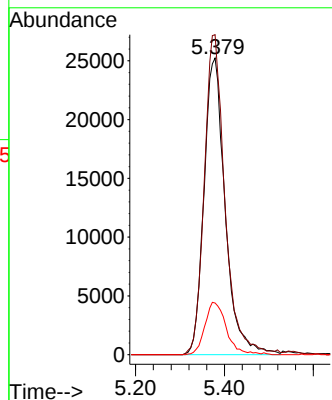
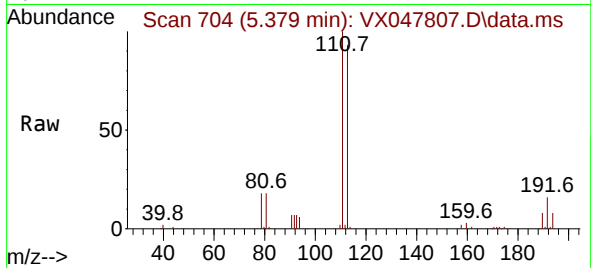




#35
Dibromofluoromethane
Concen: 48.886 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

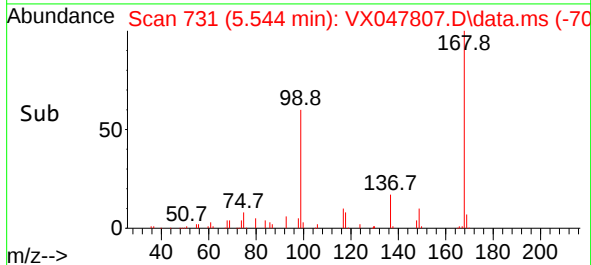
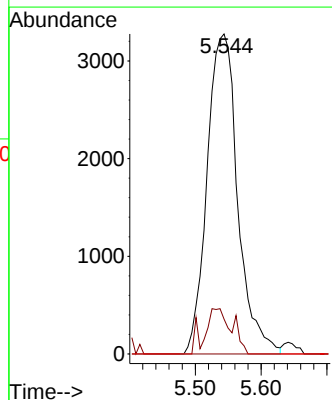
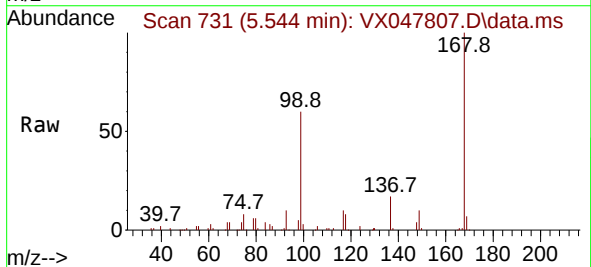
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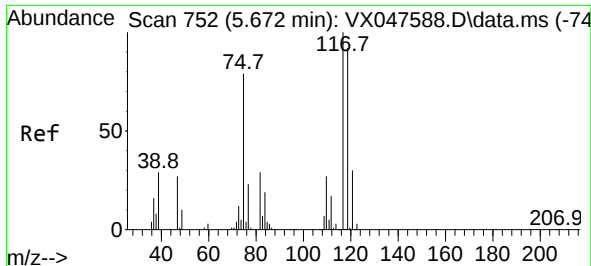
Tgt Ion:113 Resp: 83769
Ion Ratio Lower Upper
113 100
111 104.4 80.9 121.3
192 17.8 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.241 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

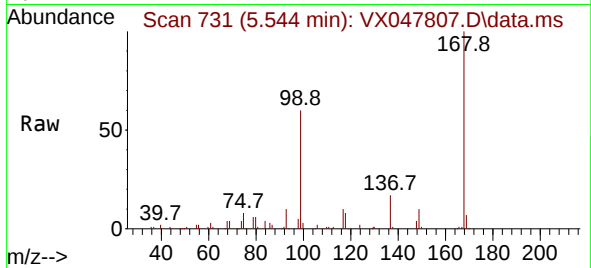
Tgt Ion: 75 Resp: 10618
Ion Ratio Lower Upper
75 100
110 11.2 16.7 50.1#
77 0.0 24.3 36.5#



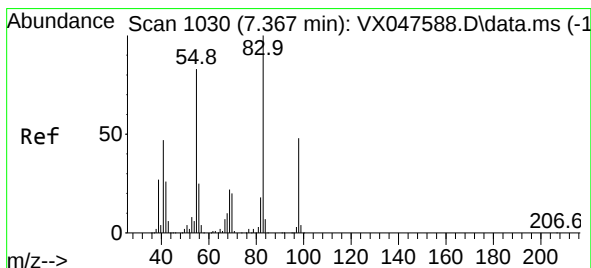
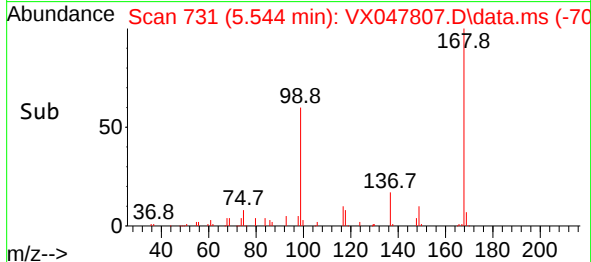
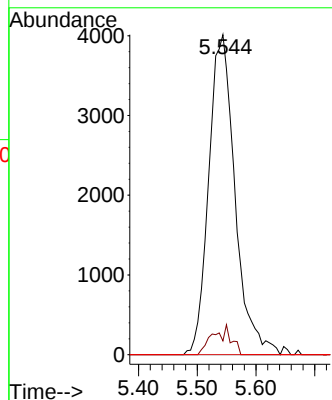


#38
Carbon Tetrachloride
Concen: 4.587 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250915DL

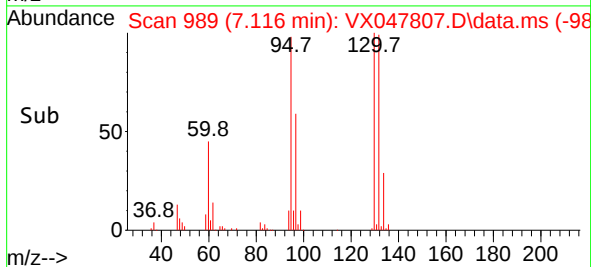
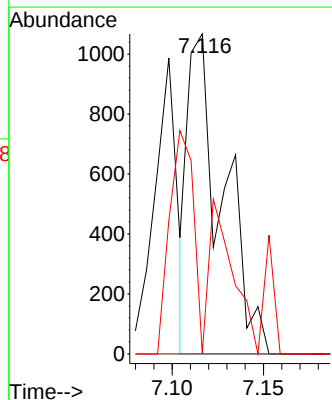
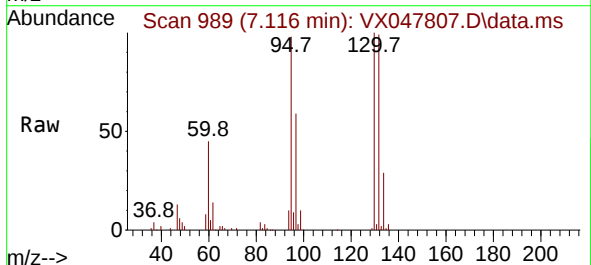


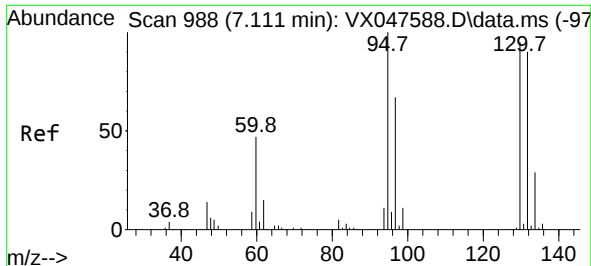
Tgt Ion:117 Resp: 12479
Ion Ratio Lower Upper
117 100
119 4.3 73.4 110.2#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 0.500 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.250 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

Tgt Ion: 83 Resp: 1422
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 252.1 38.1 57.1#

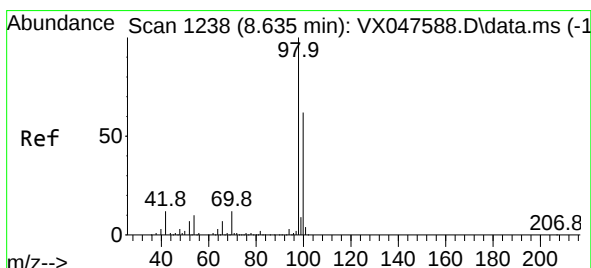
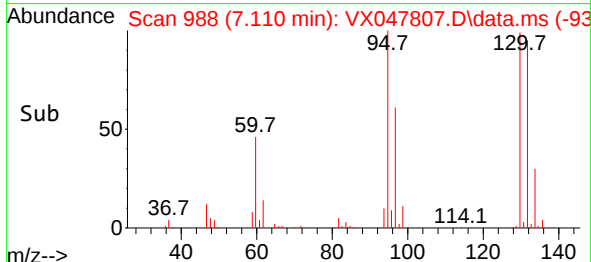
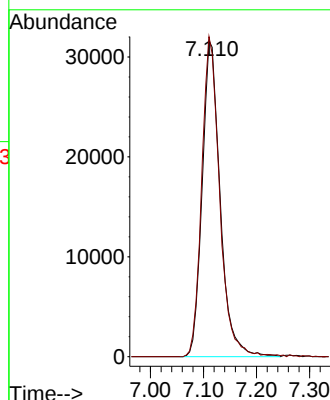
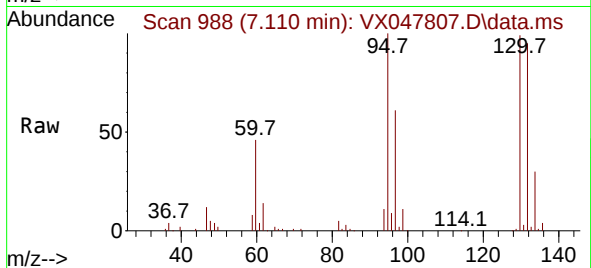




#44
Trichloroethene
Concen: 40.480 ug/l
RT: 7.110 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

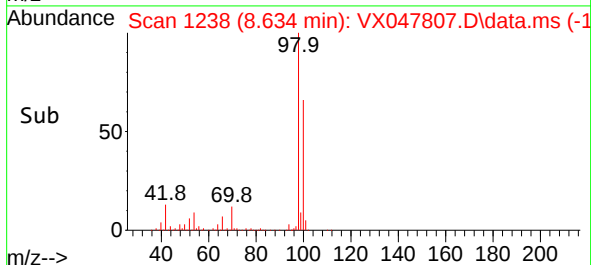
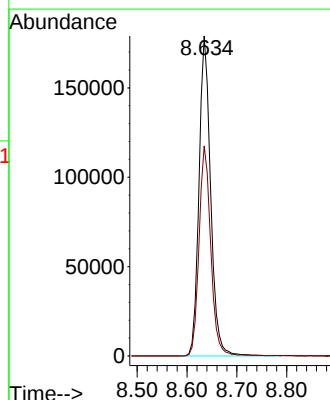
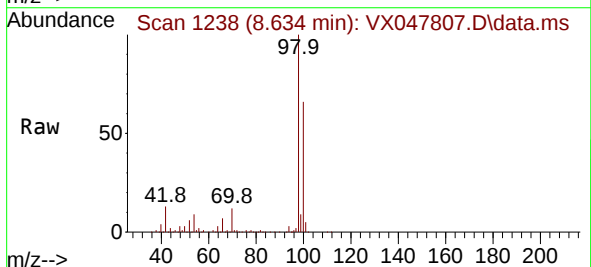
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250915DL

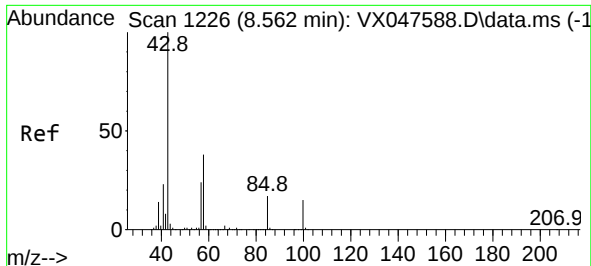
Tgt Ion:130 Resp: 74427
Ion Ratio Lower Upper
130 100
95 101.2 0.0 210.8



#50
Toluene-d8
Concen: 48.948 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

Tgt Ion: 98 Resp: 290222
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4

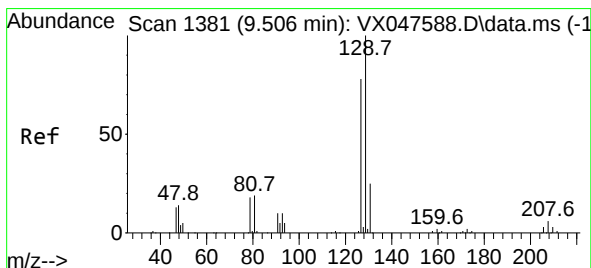
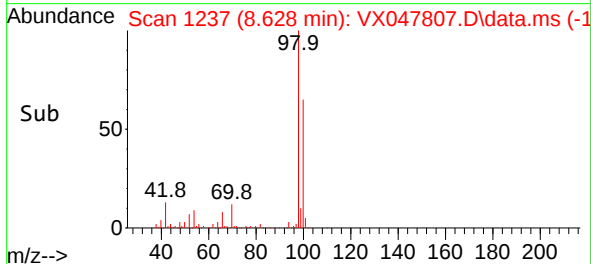
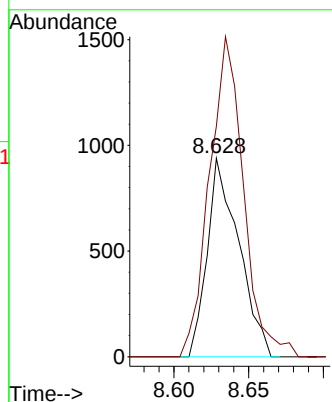
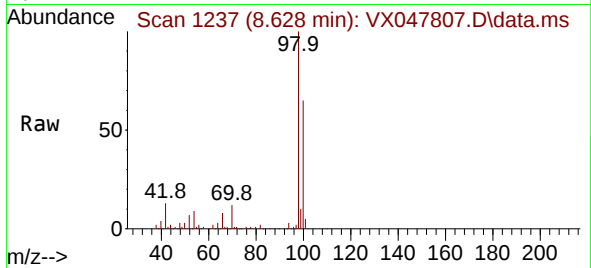




#51
4-Methyl-2-Pentanone
Concen: 0.564 ug/l
RT: 8.628 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

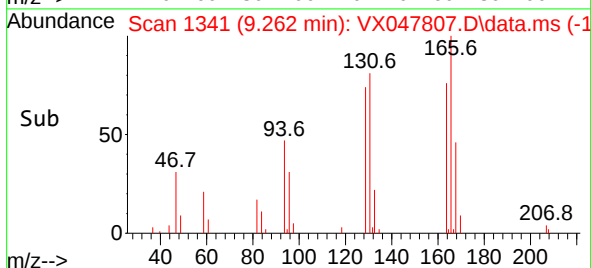
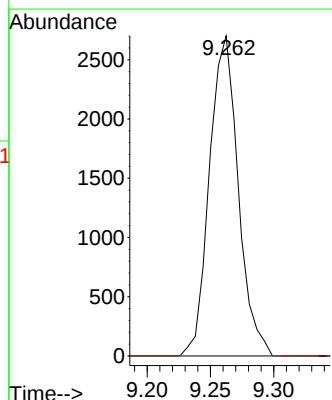
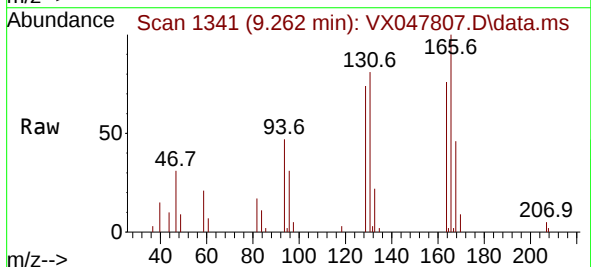
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250915DL

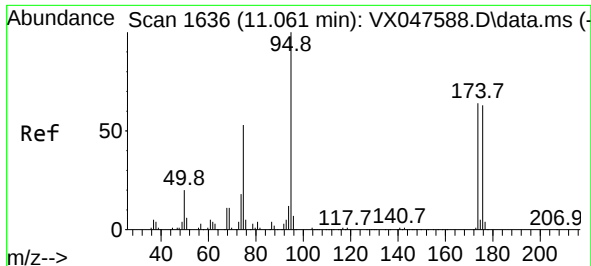
Tgt Ion: 43 Resp: 1375
Ion Ratio Lower Upper
43 100
58 174.5 30.3 45.5#



#60
Dibromochloromethane
Concen: 2.055 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. -0.244 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

Tgt Ion: 129 Resp: 4277
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

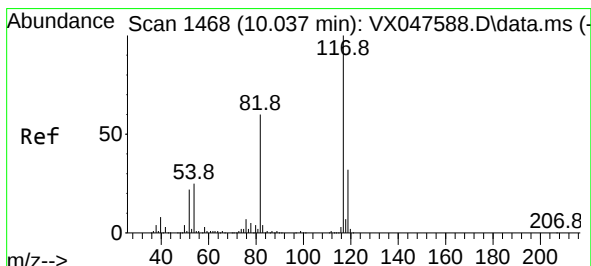
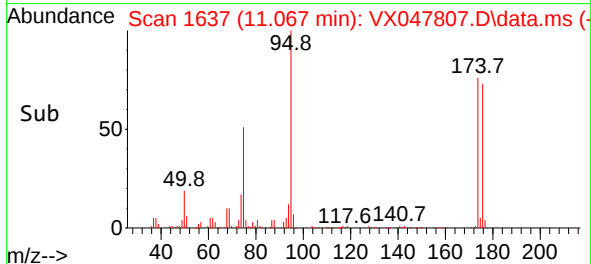
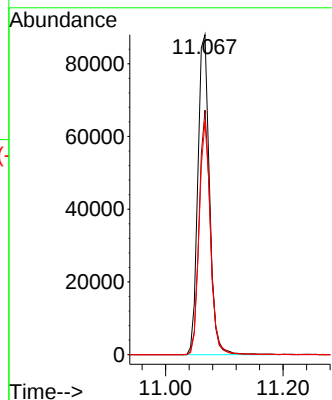
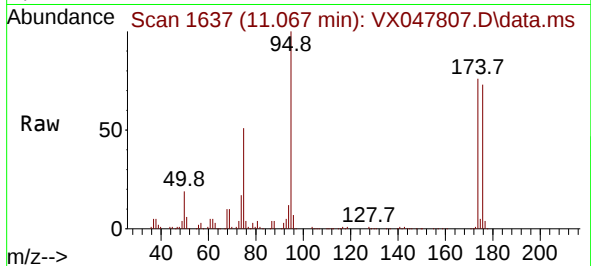




#62
4-Bromofluorobenzene
Concen: 53.856 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

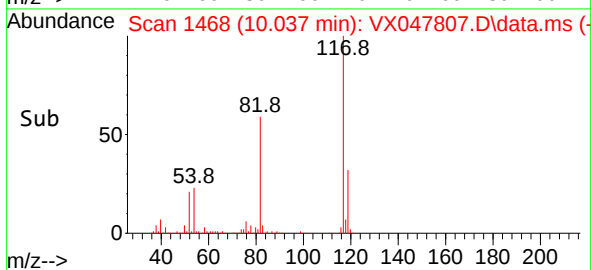
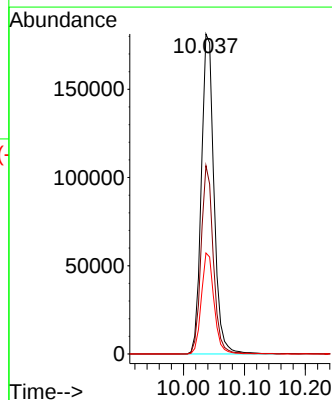
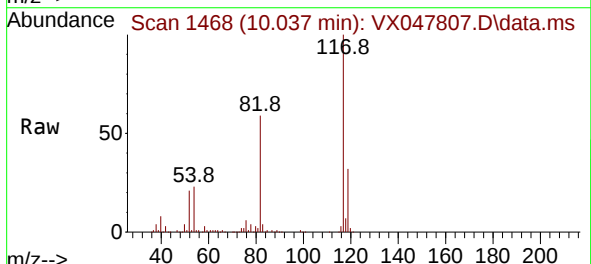
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250915DL

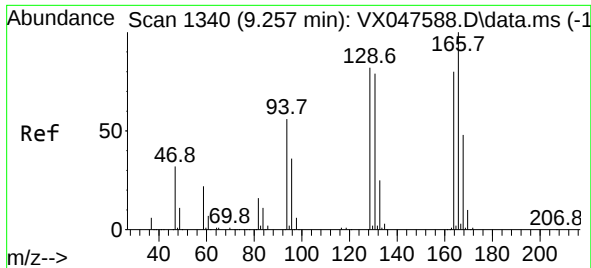
Tgt Ion: 95 Resp: 121188
Ion Ratio Lower Upper
95 100
174 72.8 0.0 141.6
176 70.3 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

Tgt Ion: 117 Resp: 261171
Ion Ratio Lower Upper
117 100
82 58.8 47.8 71.6
119 31.5 25.2 37.8



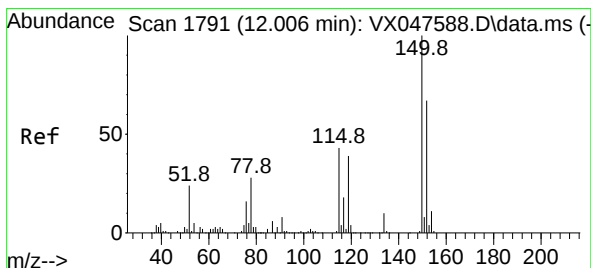
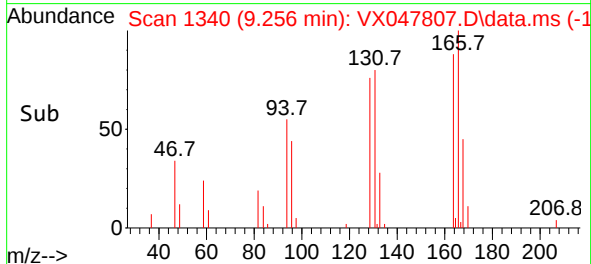
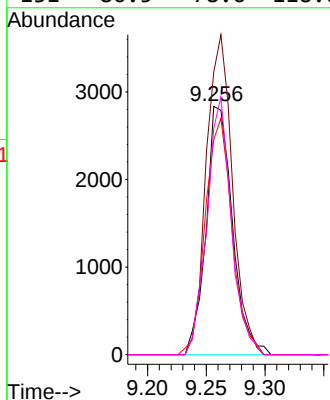
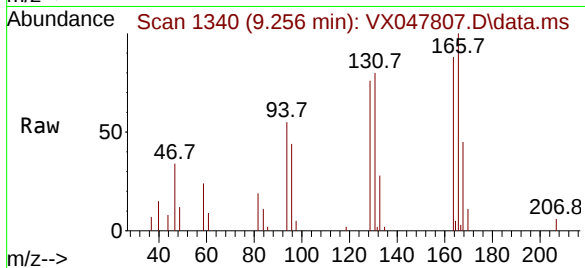


#64
Tetrachloroethene
Concen: 2.613 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250915DL

Tgt Ion:164 Resp: 4448

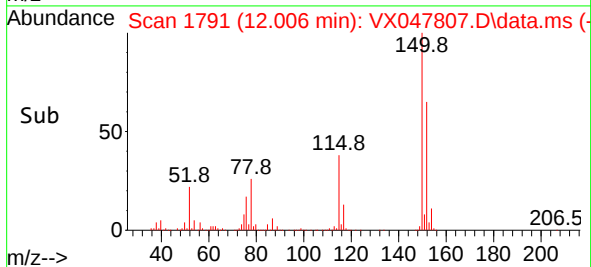
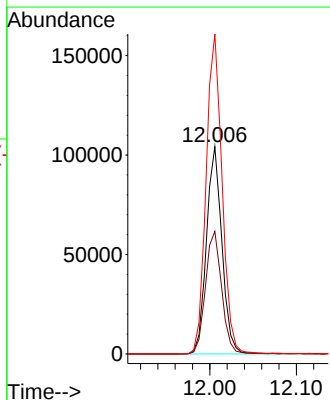
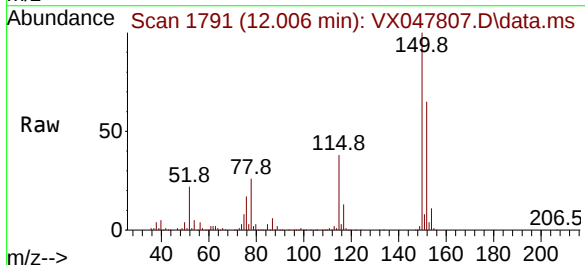
Ion	Ratio	Lower	Upper
164	100		
166	108.0	100.2	150.2
129	82.1	81.8	122.6
131	86.5	78.6	118.0

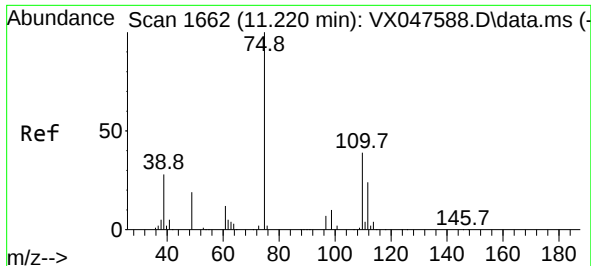


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

Tgt Ion:152 Resp: 129528

Ion	Ratio	Lower	Upper
152	100		
115	61.9	44.9	134.5
150	159.3	0.0	352.0

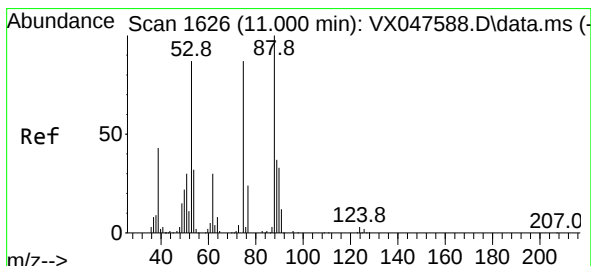
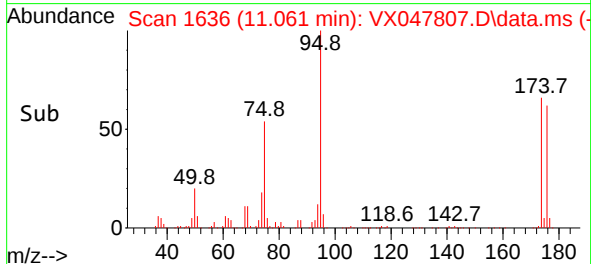
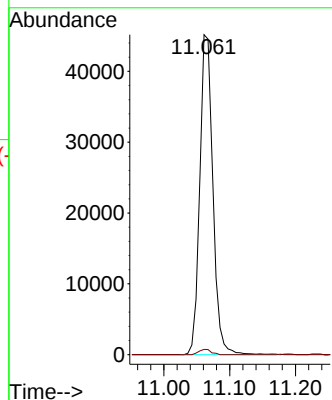
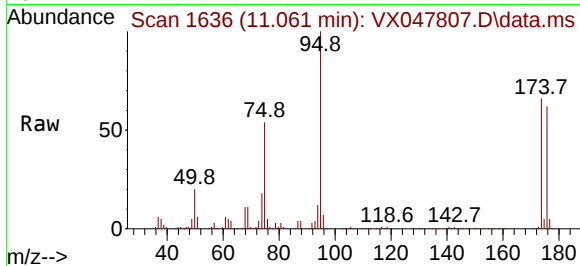




#76
1,2,3-Trichloropropane
Concen: 23.926 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

Instrument :
MSVOA_X
ClientSampleId :
DUP07-20250915DL

Tgt Ion: 75 Resp: 62746
Ion Ratio Lower Upper
75 100
77 1.6 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.014 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047807.D
Acq: 25 Sep 2025 13:31

Tgt Ion: 75 Resp: 62746
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

