

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 18 02:06:17 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)

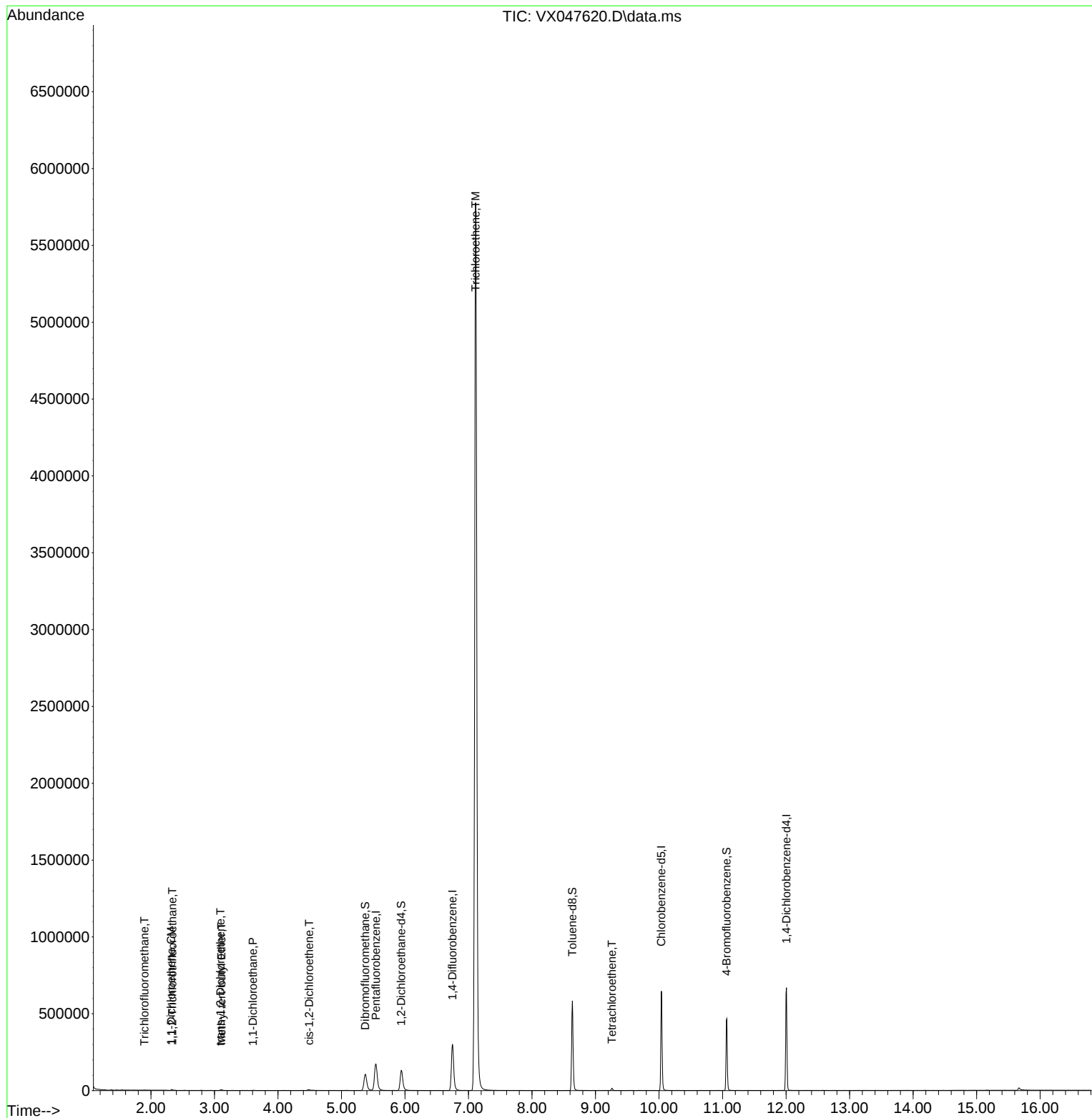
Internal Standards						
1) Pentafluorobenzene	5.544	168	176523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	328808	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	285767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
19) Methyl tert-butyl Ether	3.111	73	5026	0.656	ug/l #	86
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
44) Trichloroethene	7.111	130	2423960	1024.453	ug/l	96
64) Tetrachloroethene	9.257	164	3009	1.615	ug/l	91

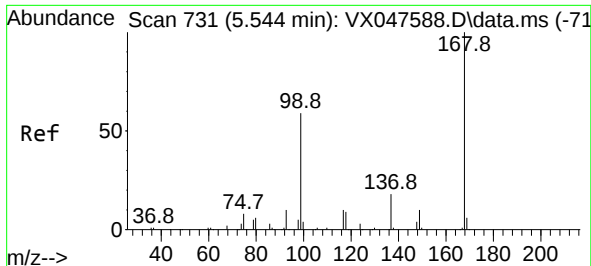
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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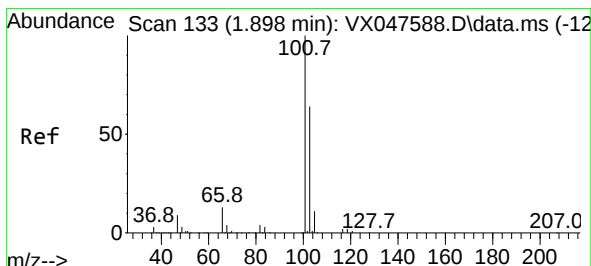
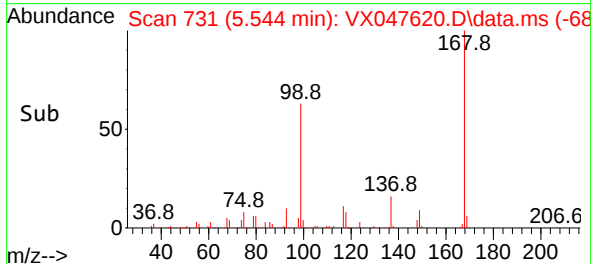
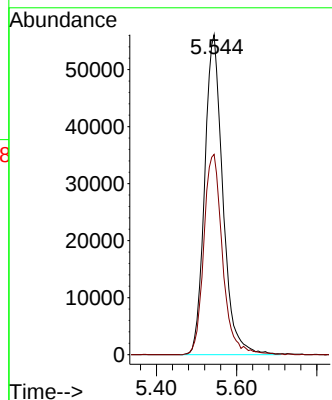
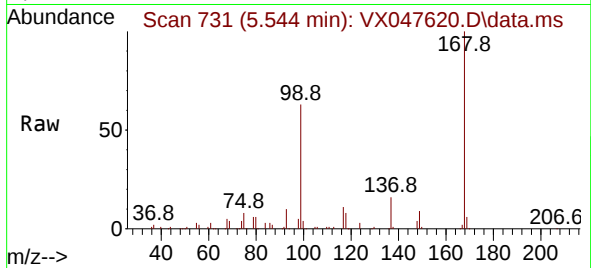




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

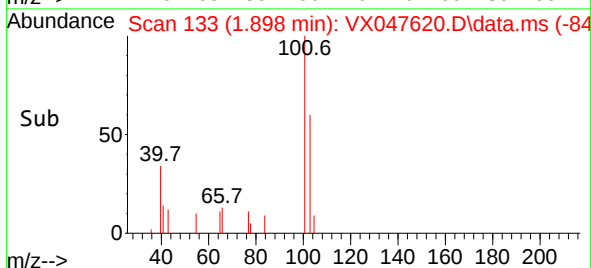
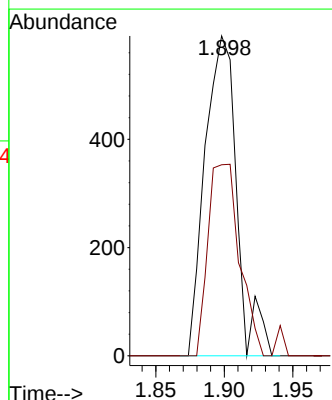
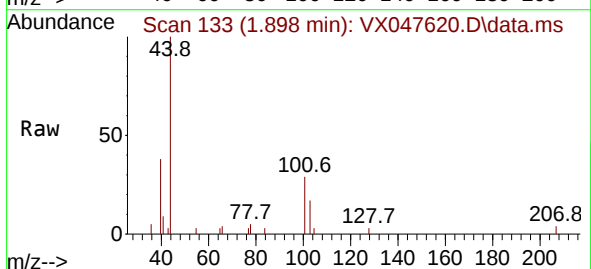
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

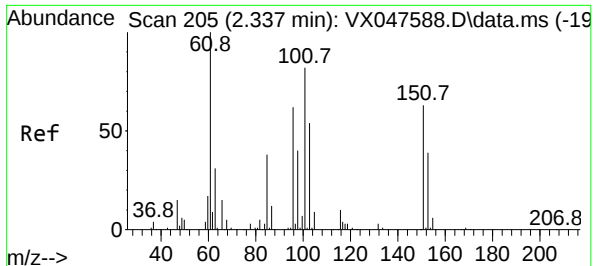
Tgt Ion:168 Resp: 176523
Ion Ratio Lower Upper
168 100
99 62.6 48.8 73.2



#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

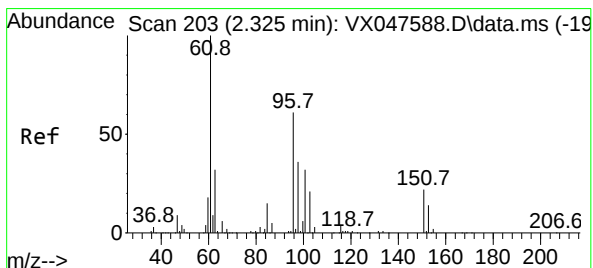
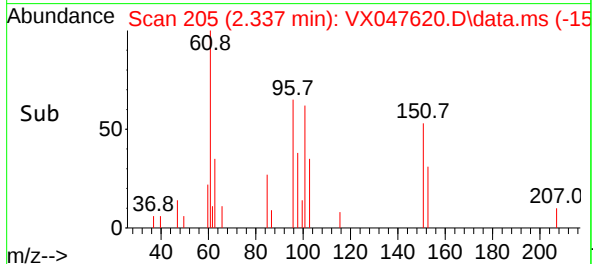
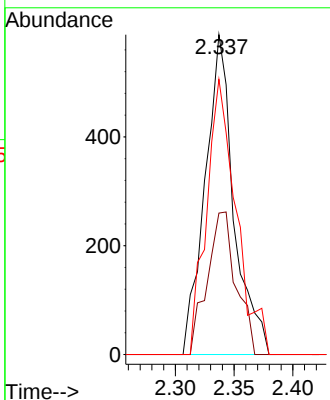
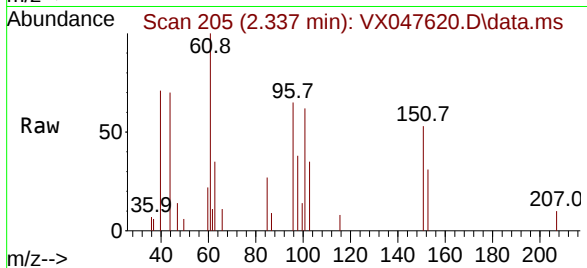




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.491 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. -0.000 min
 Lab File: VX047620.D
 Acq: 17 Sep 2025 15:51

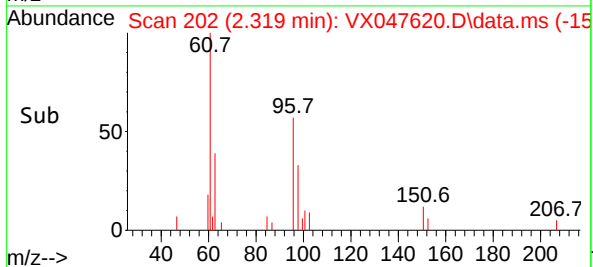
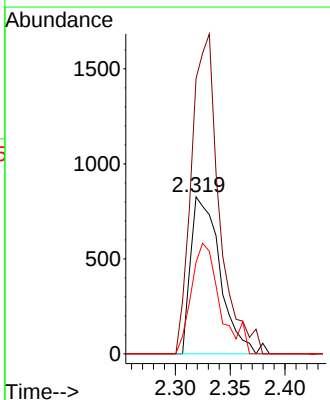
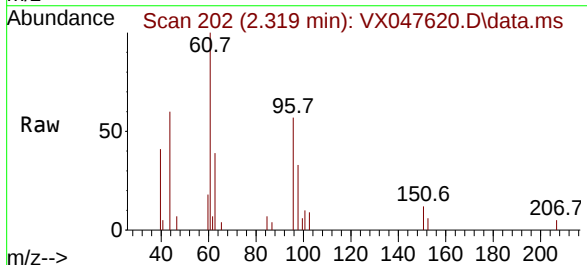
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20250909

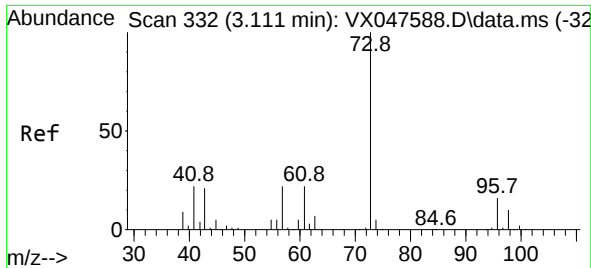
Tgt Ion:	101	Resp:	1002
Ion	Ratio	Lower	Upper
101	100		
85	44.8	35.5	53.3
151	88.5	59.4	89.0



#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

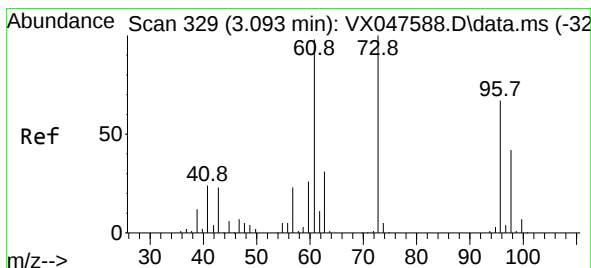
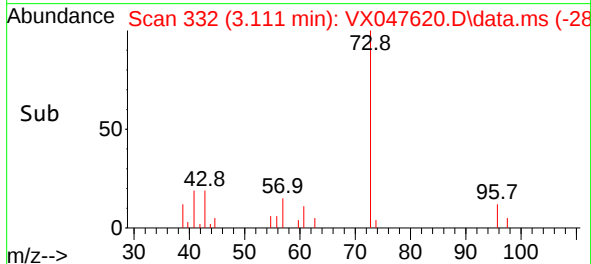
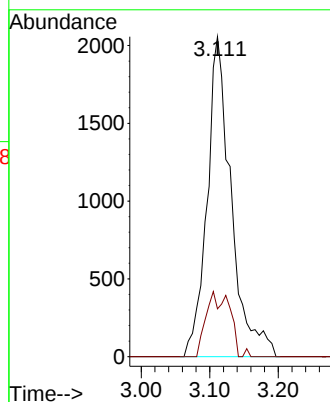
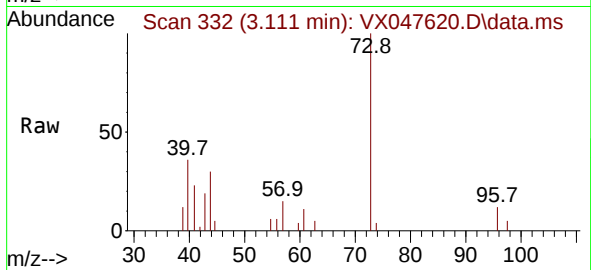




#19
Methyl tert-butyl Ether
Concen: 0.656 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

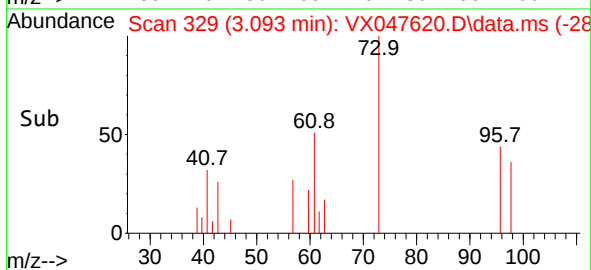
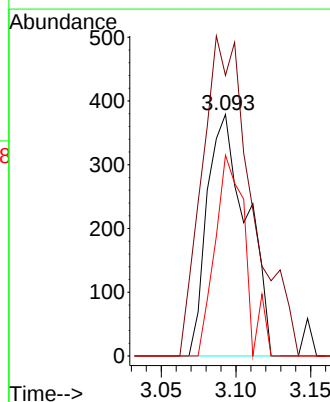
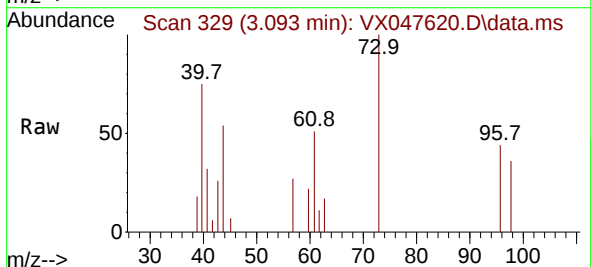
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

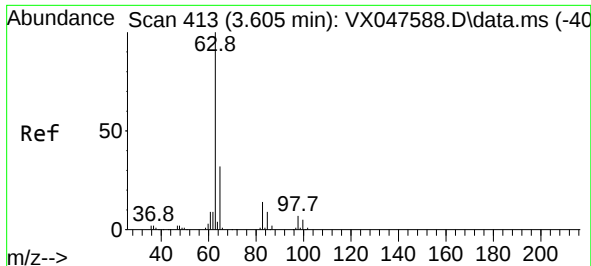
Tgt Ion: 73 Resp: 5026
Ion Ratio Lower Upper
73 100
57 14.9 17.4 26.2#



#21
trans-1,2-Dichloroethene
Concen: 0.309 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

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#

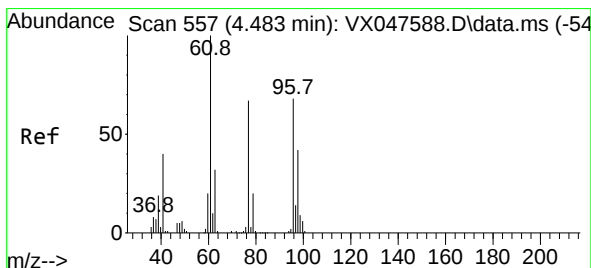
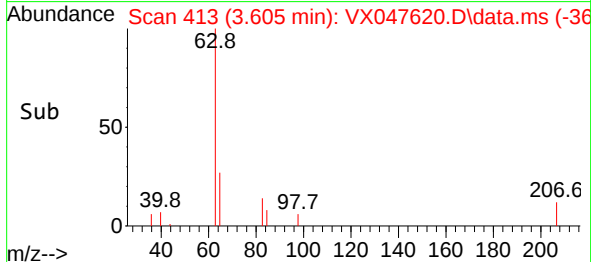
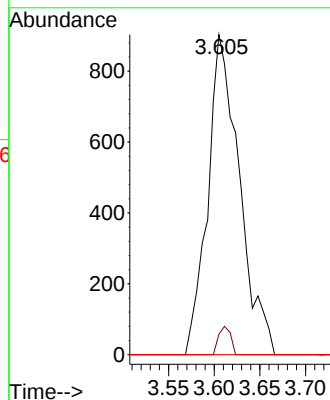
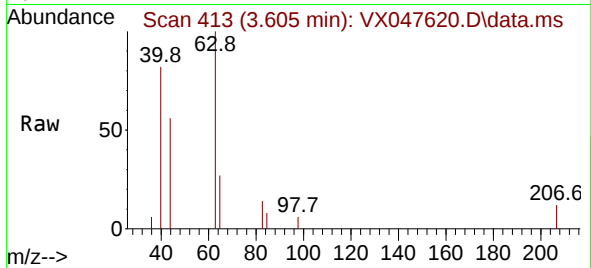




#24
1,1-Dichloroethane
Concen: 0.487 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

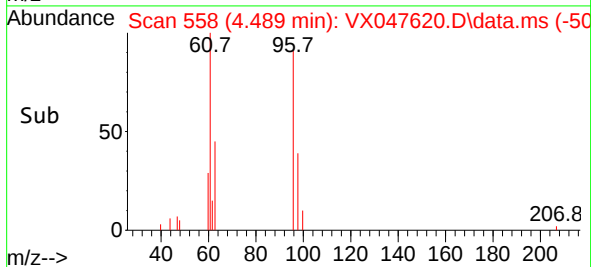
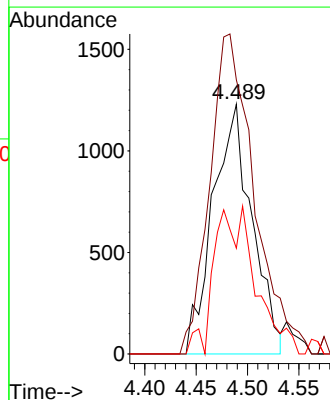
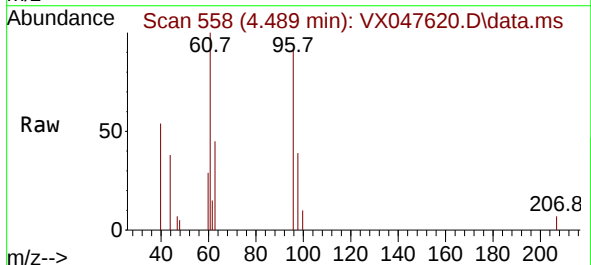
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

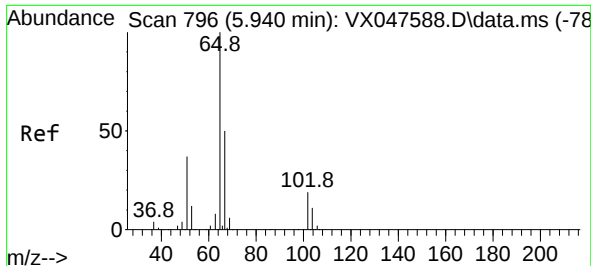
Tgt Ion:	63	Resp:	2173
Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.8	11.2
100	0.0	2.3	6.9



#27
cis-1,2-Dichloroethene
Concen: 1.175 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

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





#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 :

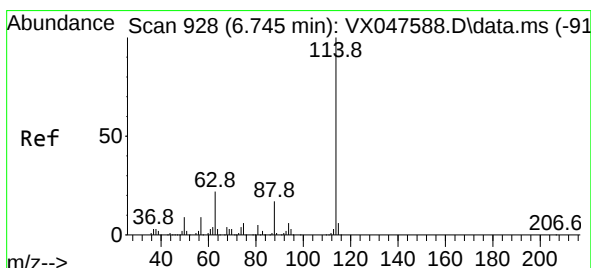
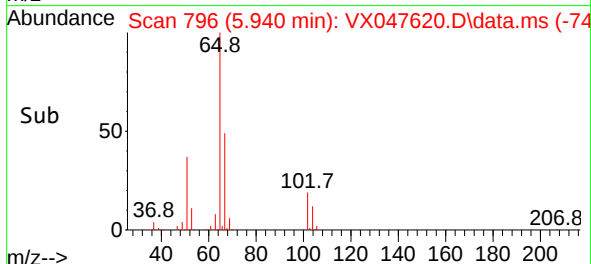
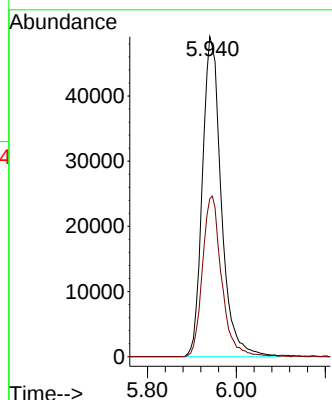
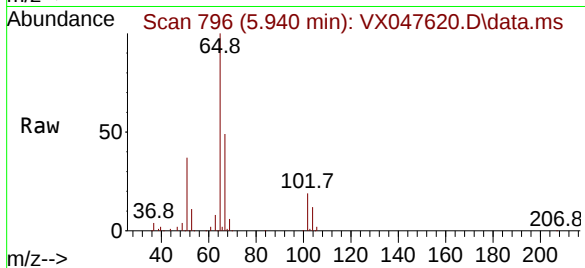
DUP01-20250909

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

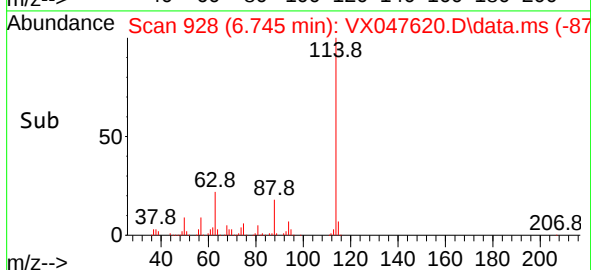
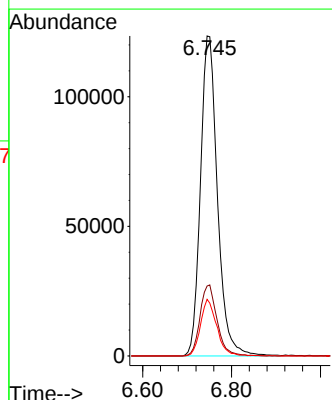
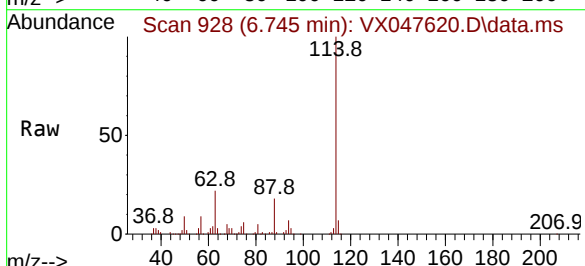
Tgt Ion: 114 Resp: 328808

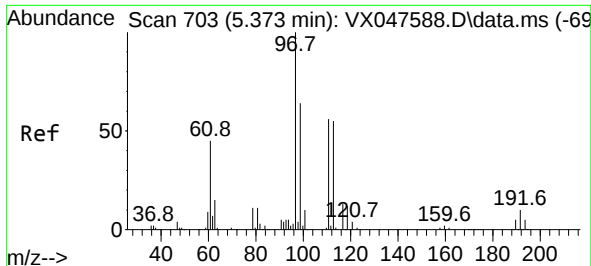
Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.0

88 17.7 0.0 34.2

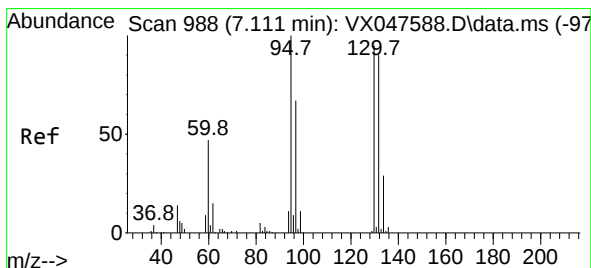
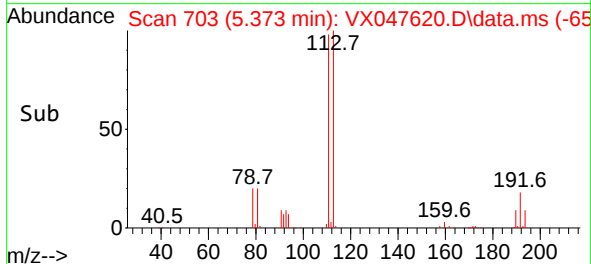
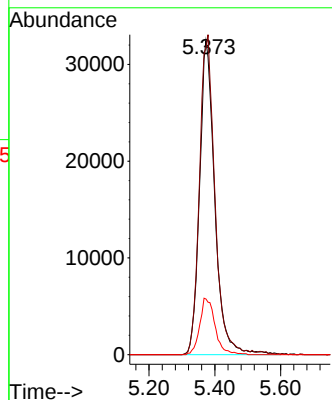
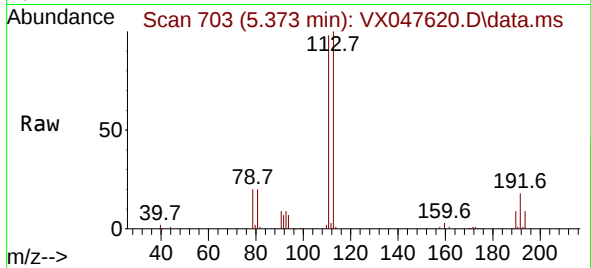




#35
Dibromofluoromethane
Concen: 47.434 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

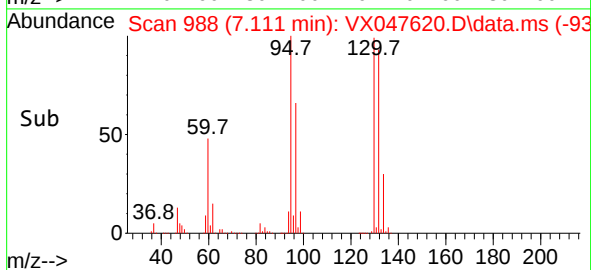
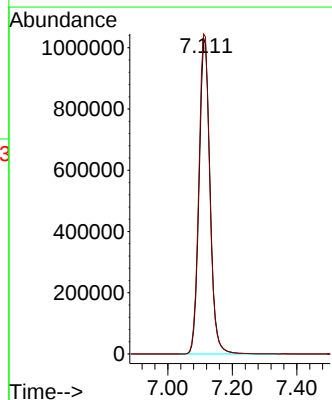
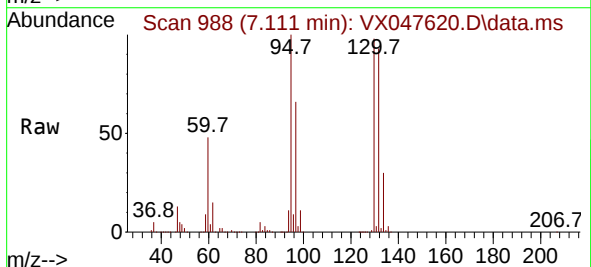
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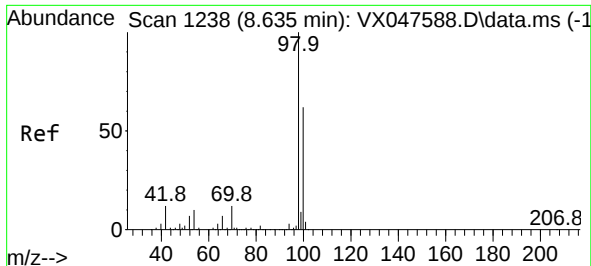
Tgt Ion:113 Resp: 104600
Ion Ratio Lower Upper
113 100
111 102.7 80.9 121.3
192 18.2 14.2 21.4



#44
Trichloroethene
Concen: 1024.453 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

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

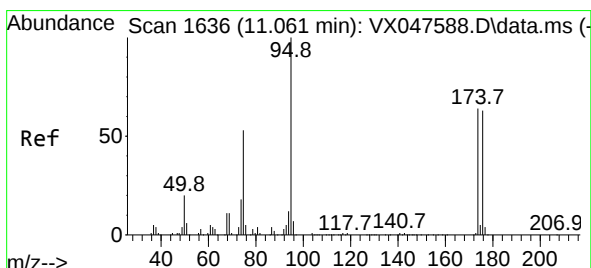
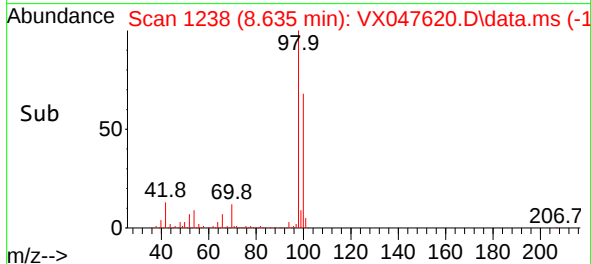
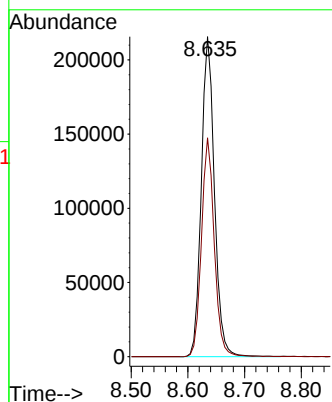
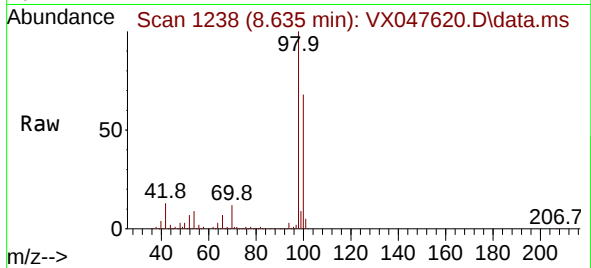




#50
Toluene-d8
Concen: 45.301 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

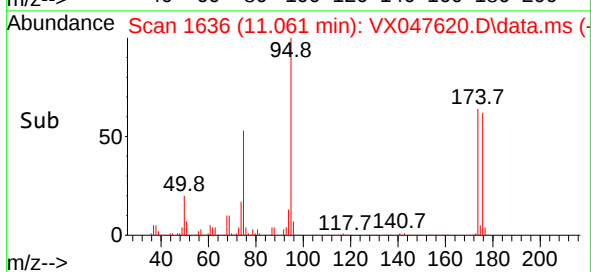
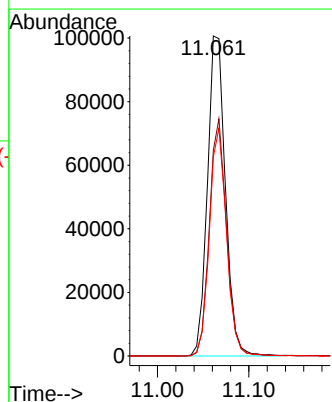
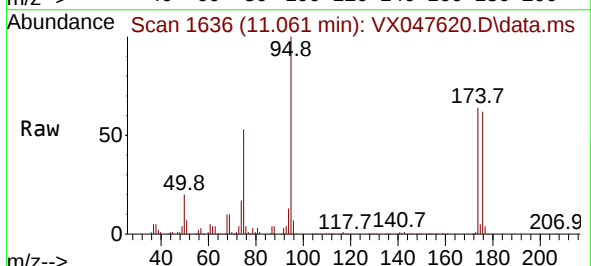
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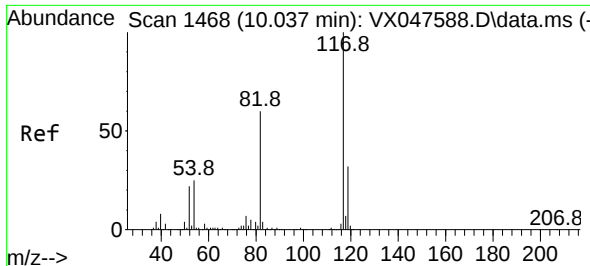
Tgt Ion: 98 Resp: 345661
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 47.379 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

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

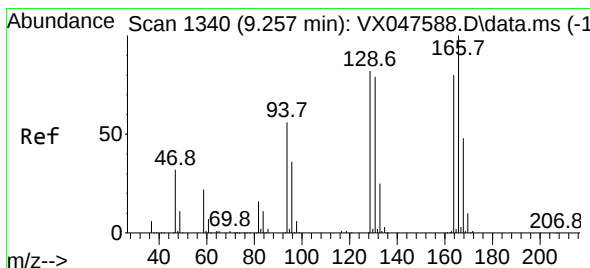
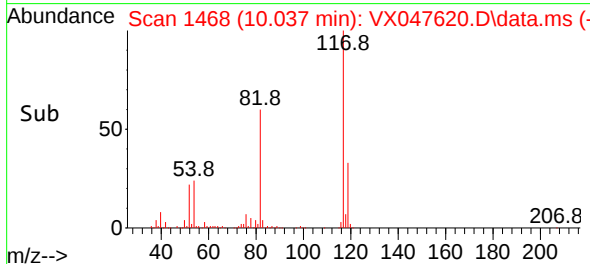
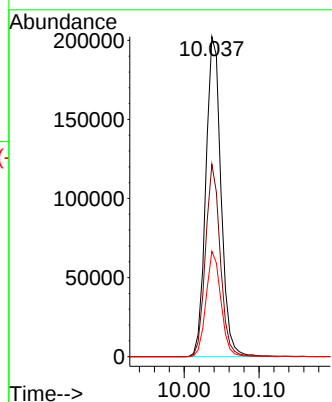
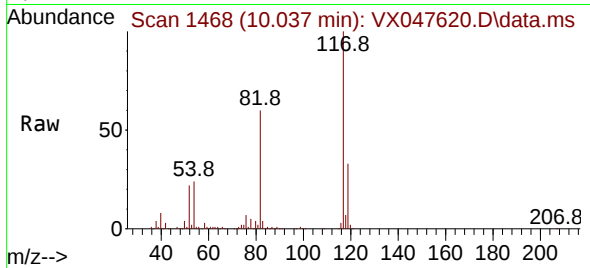




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

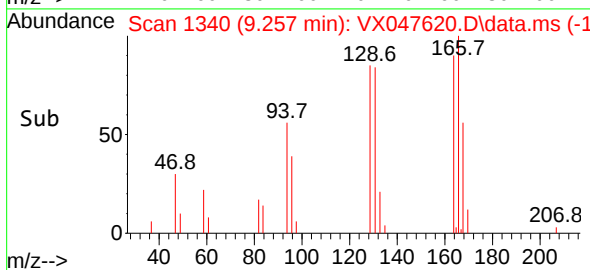
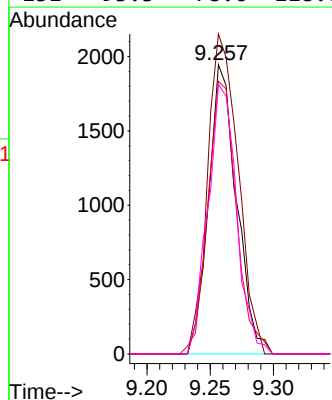
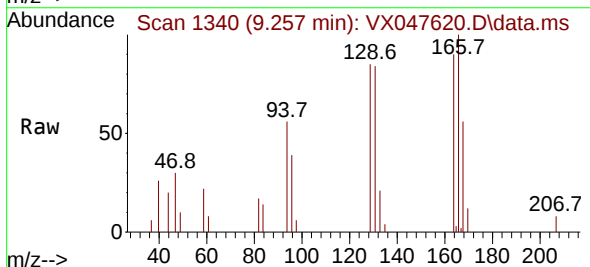
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909

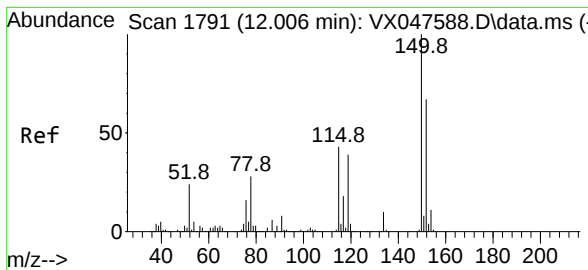
Tgt Ion:117 Resp: 285767
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.6
119 32.9 25.2 37.8



#64
Tetrachloroethene
Concen: 1.615 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047620.D
Acq: 17 Sep 2025 15:51

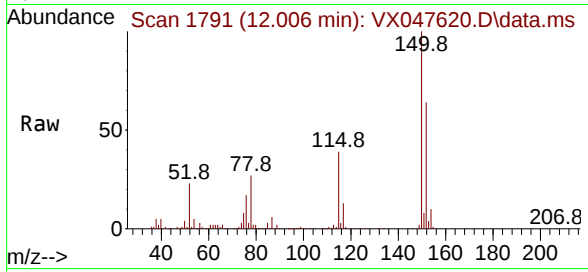
Tgt Ion:164 Resp: 3009
Ion Ratio Lower Upper
164 100
166 110.6 100.2 150.2
129 94.2 81.8 122.6
131 93.3 78.6 118.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 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:	152	Resp:	137877
Ion	Ratio	Lower	Upper
152	100		
115	63.9	44.9	134.5
150	158.3	0.0	352.0

