

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047619.D
 Acq On : 17 Sep 2025 15:30
 Operator : JC/MD
 Sample : Q3095-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW305D-20250909

Quant Time: Sep 18 02:05:54 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)

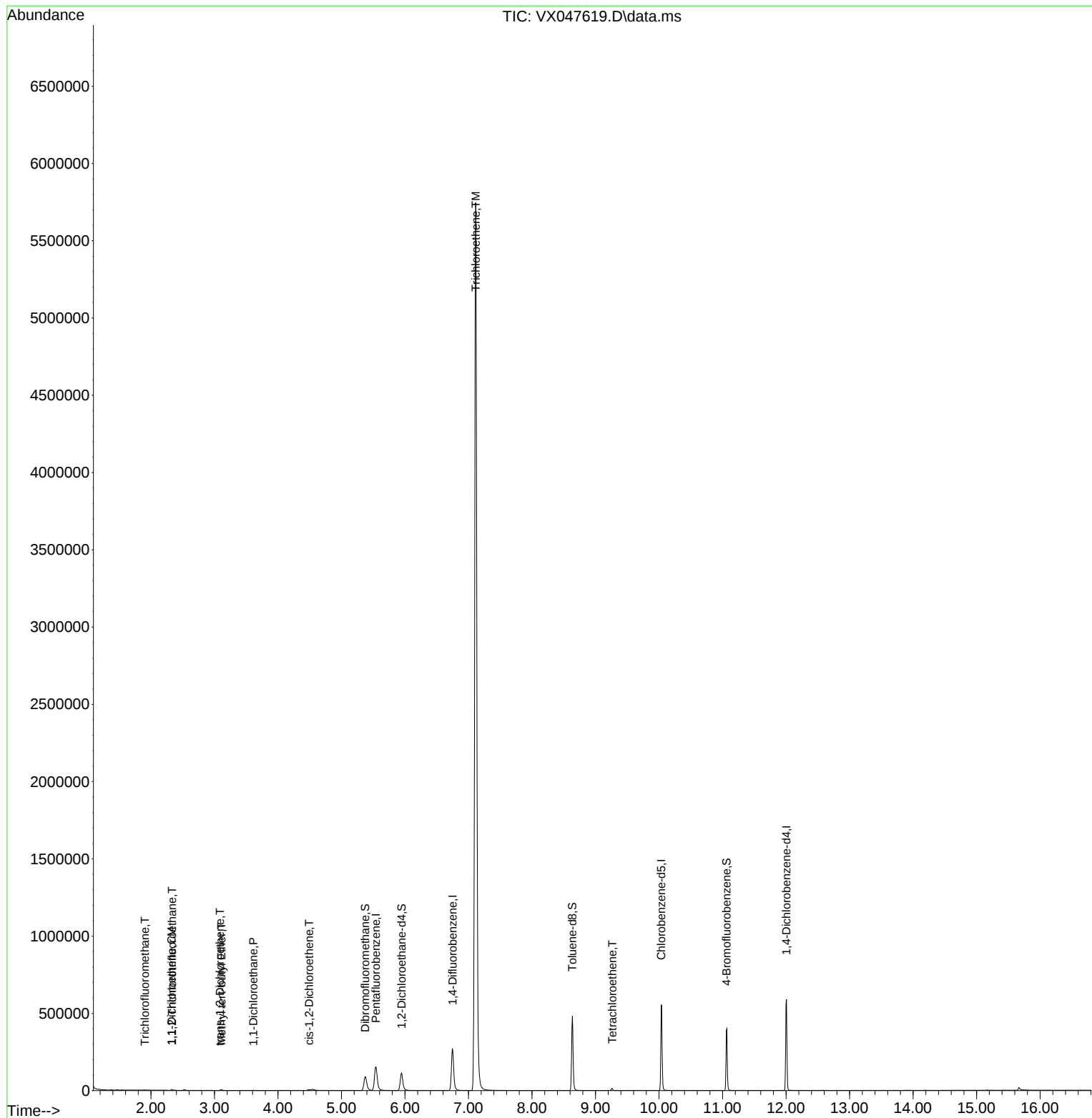
Internal Standards						
1) Pentafluorobenzene	5.544	168	153315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	290828	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	250024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	122351	50.136	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.280%	
35) Dibromofluoromethane	5.373	113	88334	45.289	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 90.580%	
50) Toluene-d8	8.635	98	290425	43.033	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 86.060%#	
62) 4-Bromofluorobenzene	11.061	95	115422	45.063	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.120%	
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	1.904	101	991	0.327	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.331	101	952	0.537	ug/l	96
12) 1,1-Dichloroethene	2.325	96	1930	1.060	ug/l	87
19) Methyl tert-butyl Ether	3.111	73	4472	0.673	ug/l #	89
21) trans-1,2-Dichloroethene	3.087	96	778	0.397	ug/l #	74
24) 1,1-Dichloroethane	3.611	63	2035	0.526	ug/l #	81
27) cis-1,2-Dichloroethene	4.489	96	3577	1.489	ug/l	94
44) Trichloroethene	7.117	130	2395935	1144.848	ug/l	96
64) Tetrachloroethene	9.263	164	2830	1.736	ug/l	88

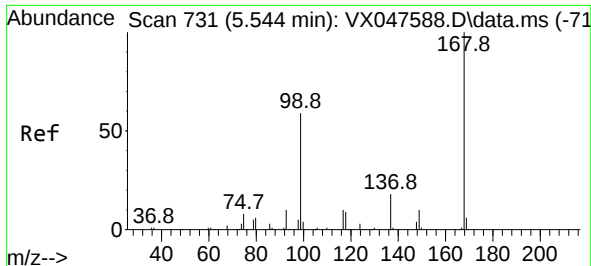
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

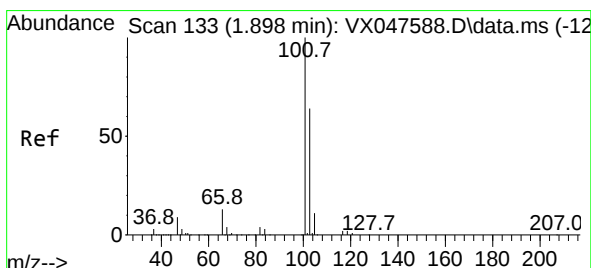
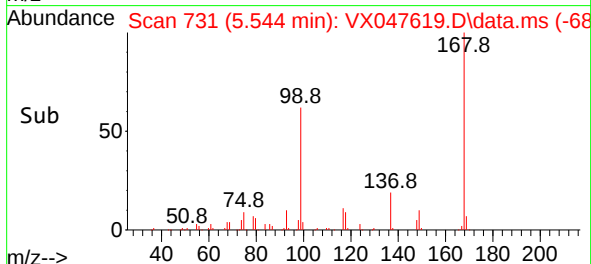
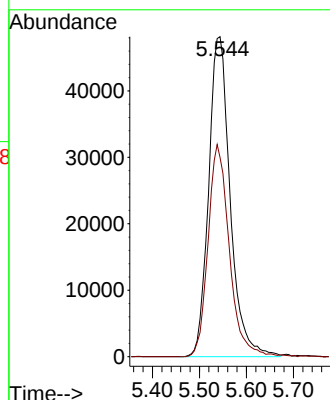
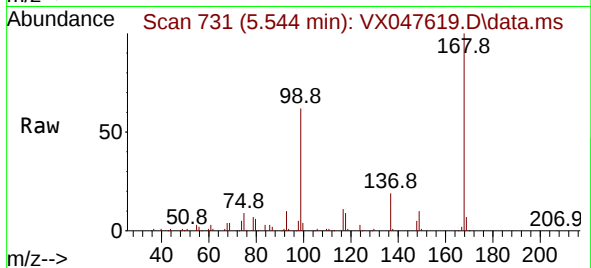




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

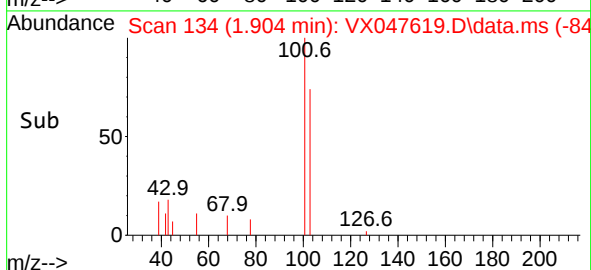
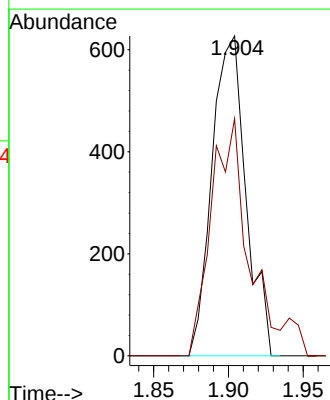
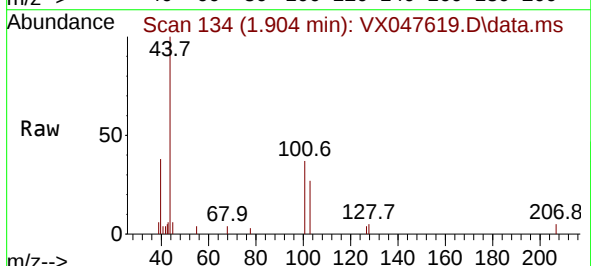
Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

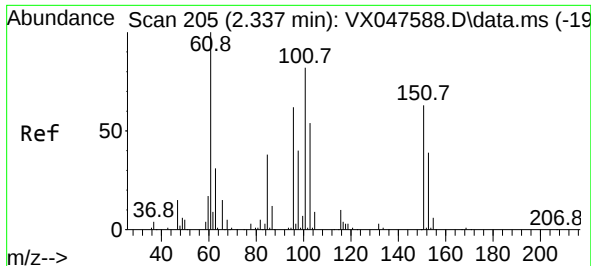
Tgt Ion:168 Resp: 153315
Ion Ratio Lower Upper
168 100
99 62.3 48.8 73.2



#7
Trichlorofluoromethane
Concen: 0.327 ug/l
RT: 1.904 min Scan# 134
Delta R.T. 0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion:101 Resp: 991
Ion Ratio Lower Upper
101 100
103 74.2 51.4 77.2

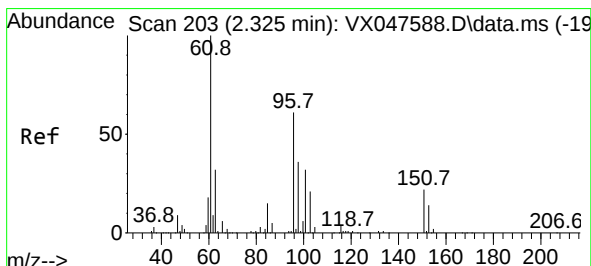
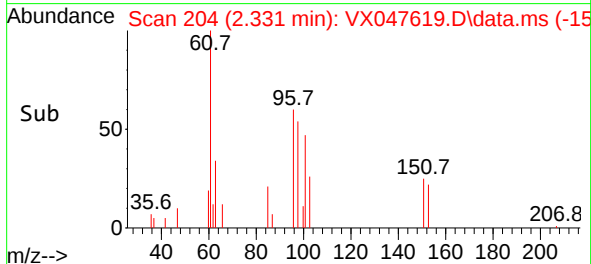
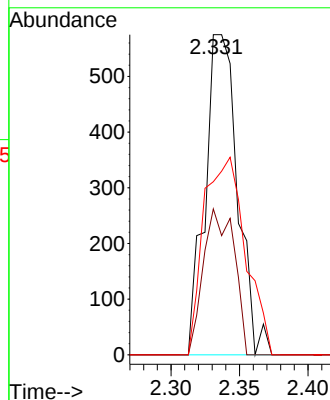
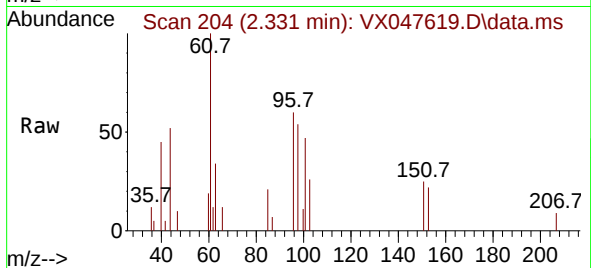




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.537 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. -0.006 min
 Lab File: VX047619.D
 Acq: 17 Sep 2025 15:30

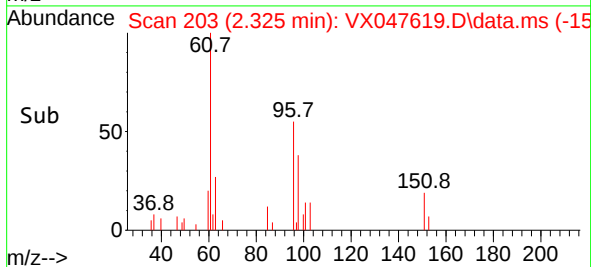
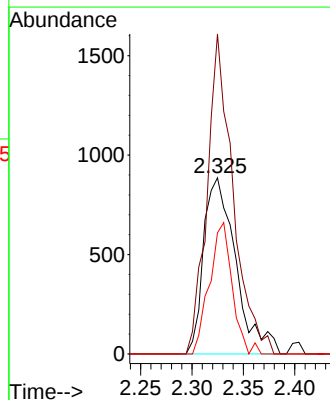
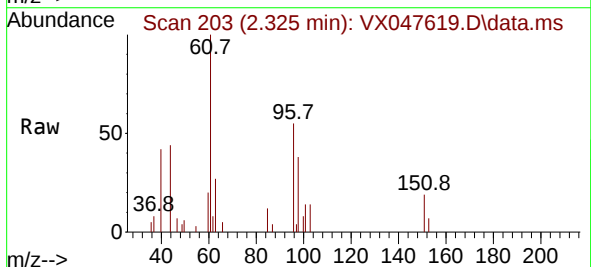
Instrument :
 MSVOA_X
 ClientSampleId :
 MW305D-20250909

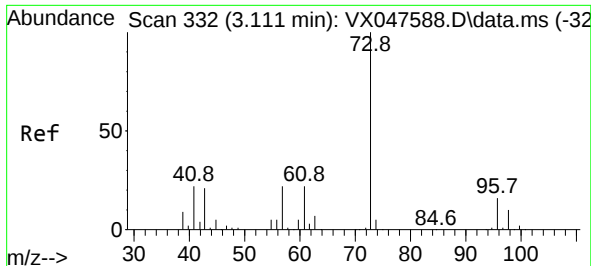
Tgt Ion:101 Resp: 952
 Ion Ratio Lower Upper
 101 100
 85 43.0 35.5 53.3
 151 78.7 59.4 89.0



#12
 1,1-Dichloroethene
 Concen: 1.060 ug/l
 RT: 2.325 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: VX047619.D
 Acq: 17 Sep 2025 15:30

Tgt Ion: 96 Resp: 1930
 Ion Ratio Lower Upper
 96 100
 61 181.6 131.0 196.6
 98 68.7 47.7 71.5

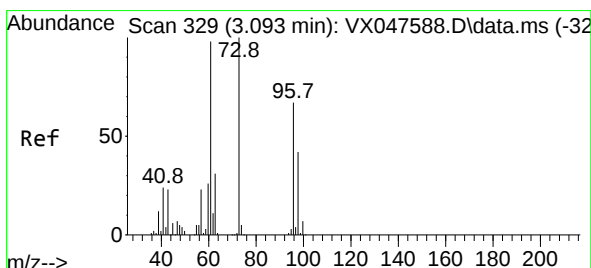
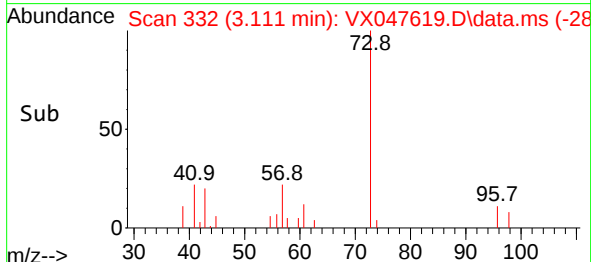
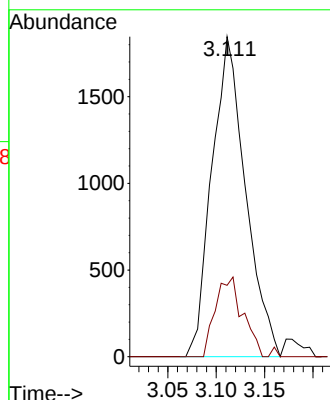
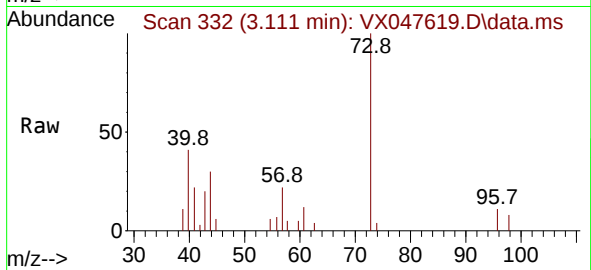




#19
Methyl tert-butyl Ether
Concen: 0.673 ug/l
RT: 3.111 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

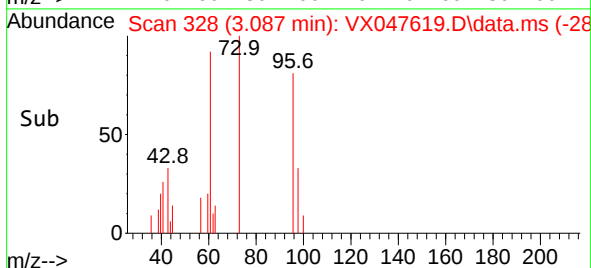
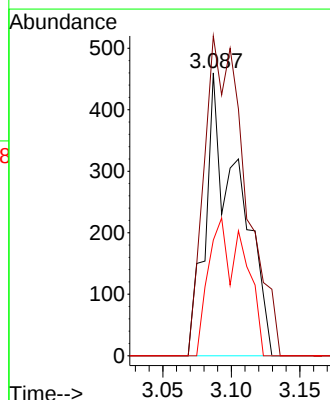
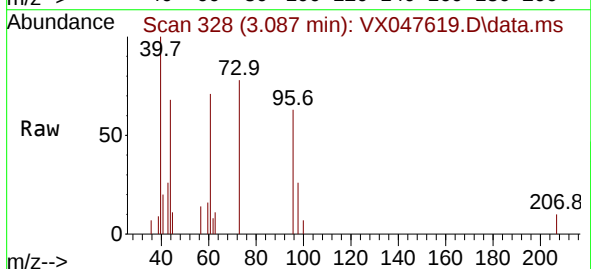
Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

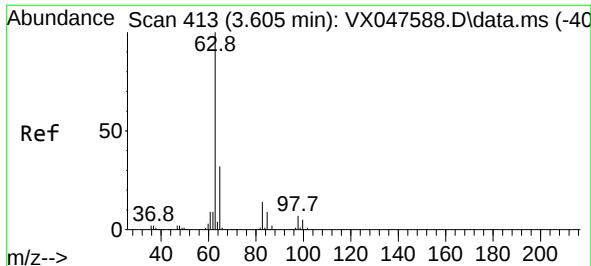
Tgt Ion: 73 Resp: 4472
Ion Ratio Lower Upper
73 100
57 26.9 17.4 26.2#



#21
trans-1,2-Dichloroethene
Concen: 0.397 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion: 96 Resp: 778
Ion Ratio Lower Upper
96 100
61 113.0 116.2 174.2#
98 40.9 49.3 73.9#

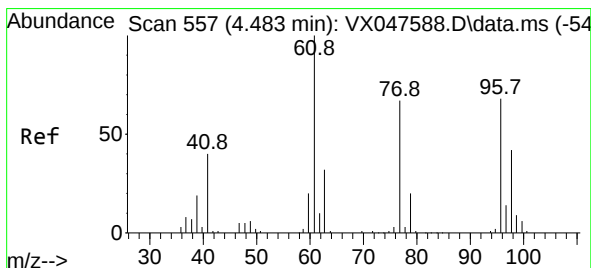
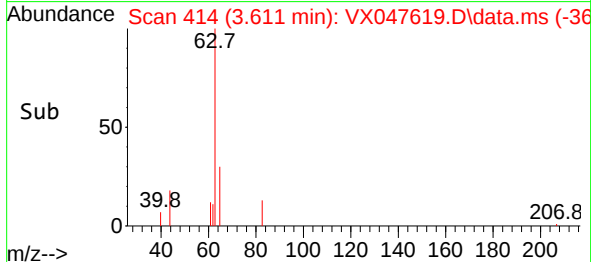
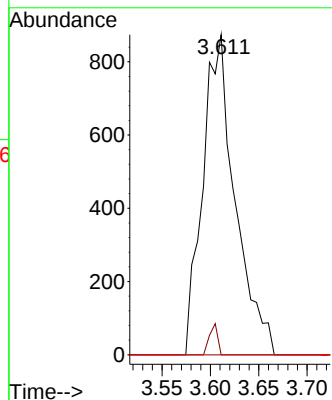
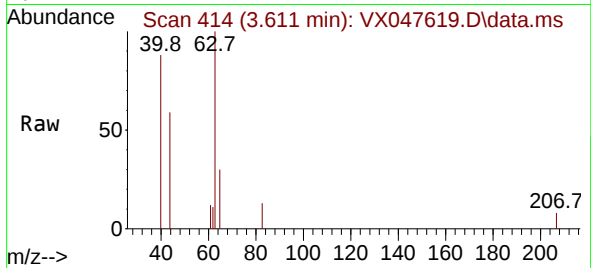




#24
 1,1-Dichloroethane
 Concen: 0.526 ug/l
 RT: 3.611 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX047619.D
 Acq: 17 Sep 2025 15:30

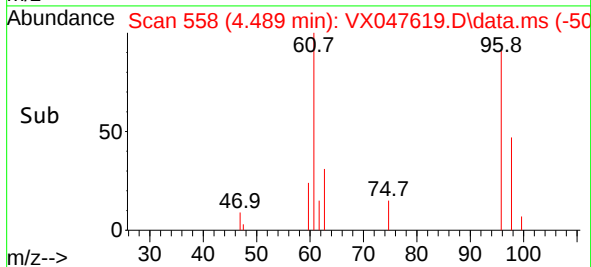
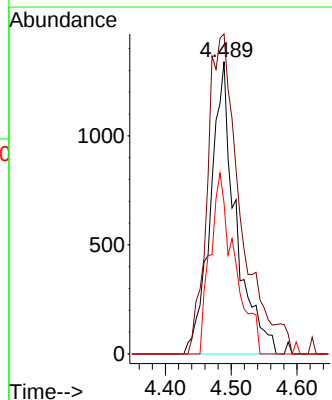
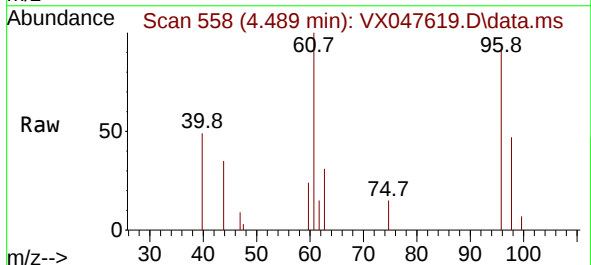
Instrument :
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 ClientSampleId :
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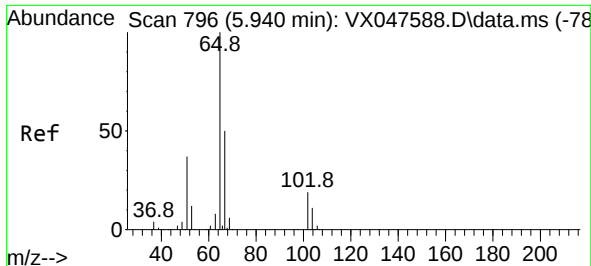
Tgt Ion: 63 Resp: 2035
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.8 11.2#
 100 0.0 2.3 6.9#



#27
 cis-1,2-Dichloroethene
 Concen: 1.489 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.006 min
 Lab File: VX047619.D
 Acq: 17 Sep 2025 15:30

Tgt Ion: 96 Resp: 3577
 Ion Ratio Lower Upper
 96 100
 61 143.6 0.0 303.2
 98 59.9 0.0 127.8





#33

1,2-Dichloroethane-d4

Concen: 50.136 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047619.D

Acq: 17 Sep 2025 15:30

Instrument :

MSVOA_X

ClientSampleId :

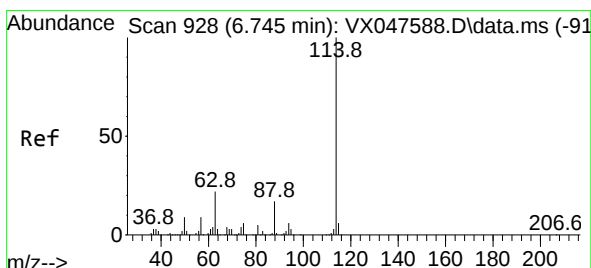
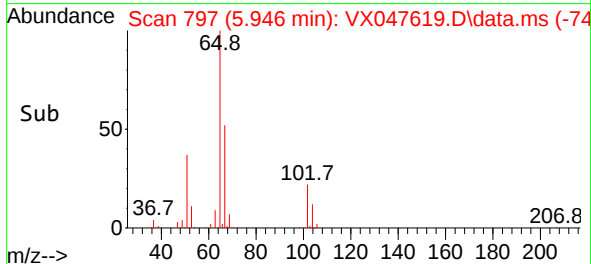
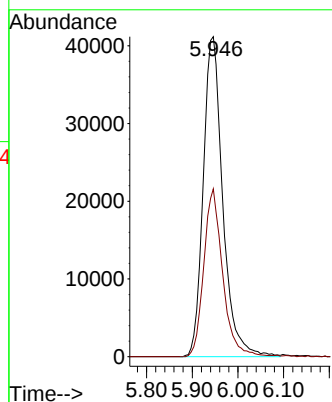
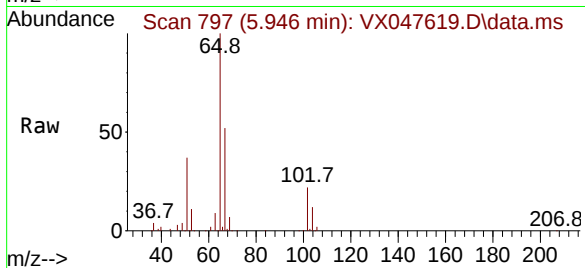
MW305D-20250909

Tgt Ion: 65 Resp: 122351

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047619.D

Acq: 17 Sep 2025 15:30

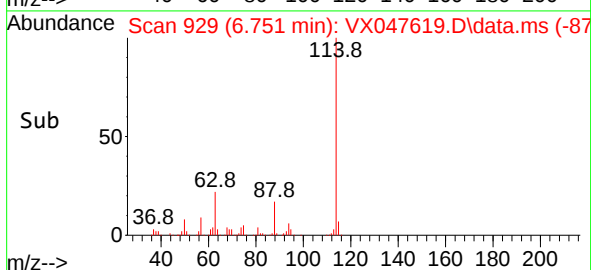
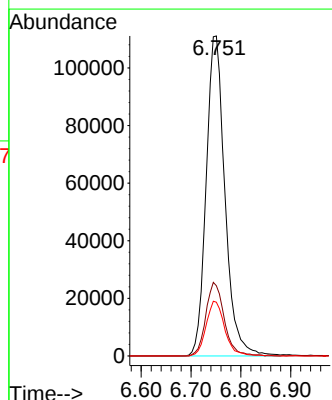
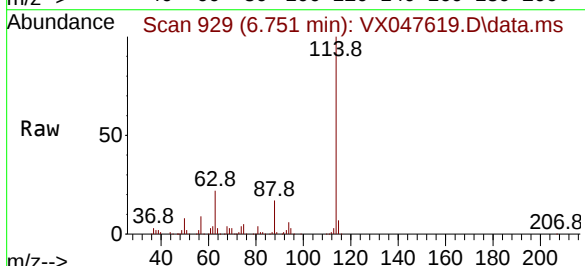
Tgt Ion: 114 Resp: 290828

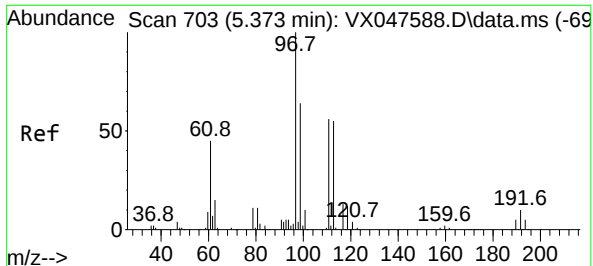
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 16.8 0.0 34.2

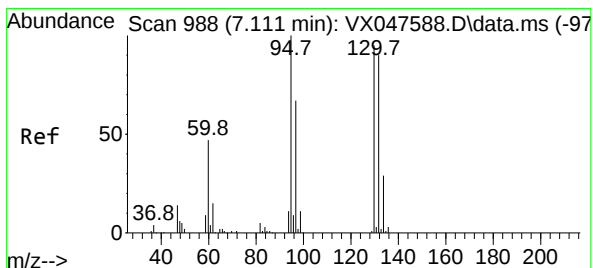
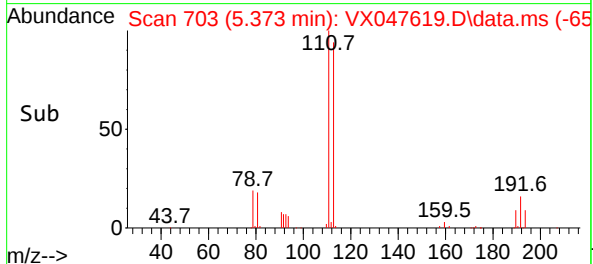
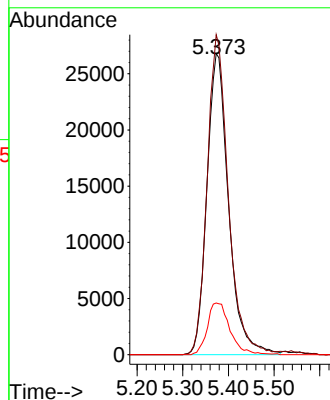
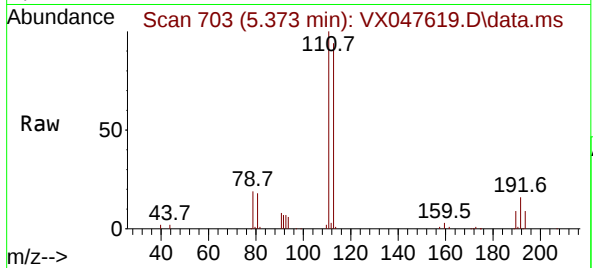




#35
Dibromofluoromethane
Concen: 45.289 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

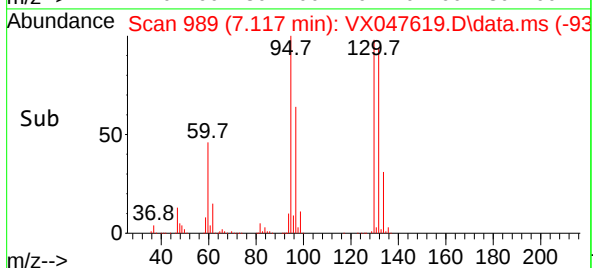
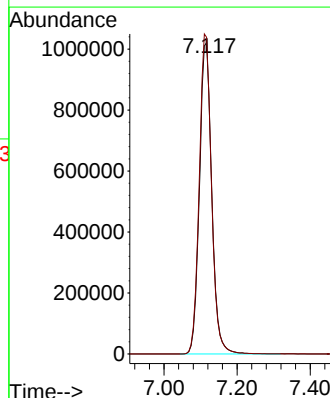
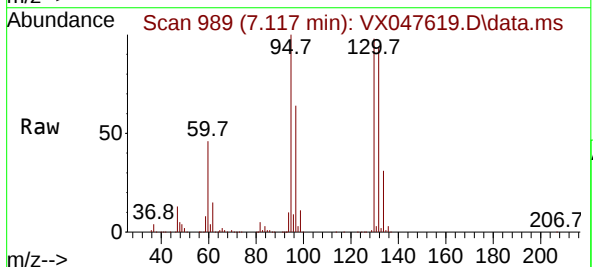
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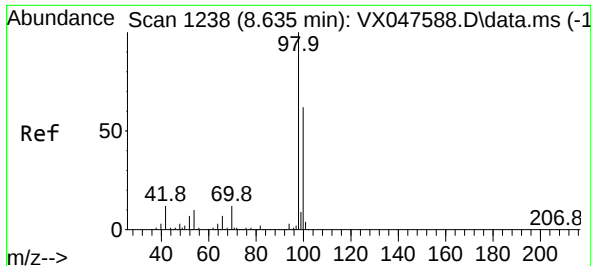
Tgt Ion:113 Resp: 88334
Ion Ratio Lower Upper
113 100
111 104.0 80.9 121.3
192 18.0 14.2 21.4



#44
Trichloroethene
Concen: 1144.848 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion:130 Resp: 2395935
Ion Ratio Lower Upper
130 100
95 101.7 0.0 210.8

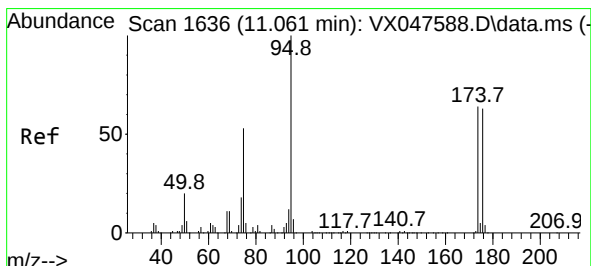
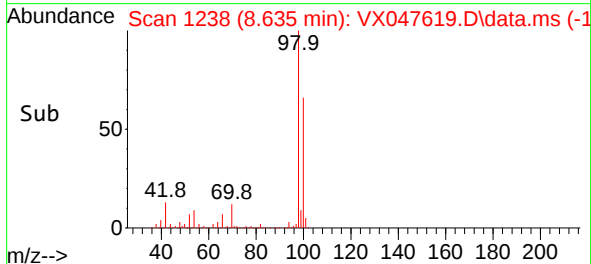
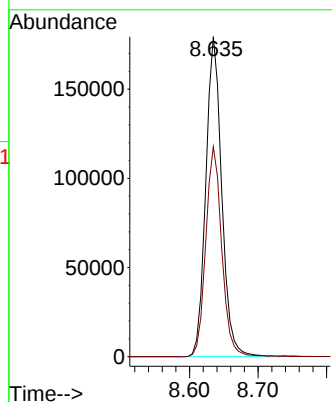
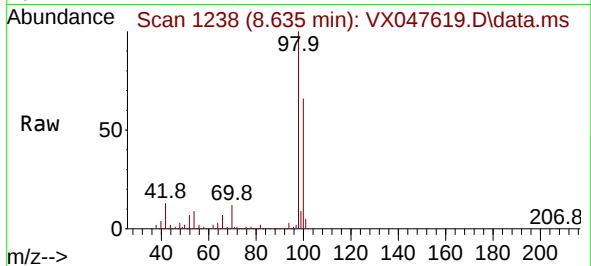




#50
Toluene-d8
Concen: 43.033 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

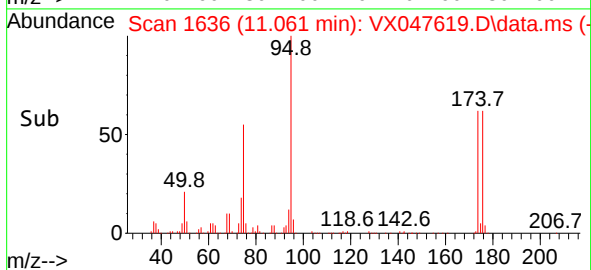
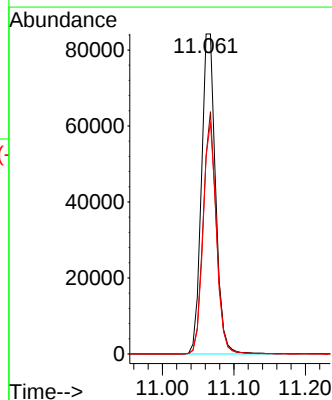
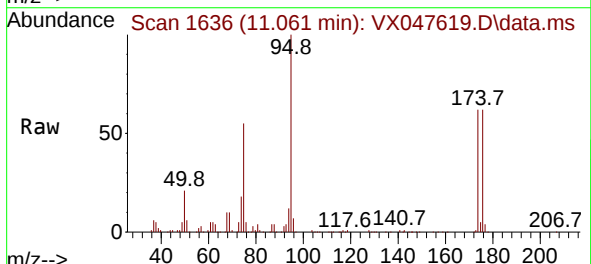
Instrument :
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MW305D-20250909

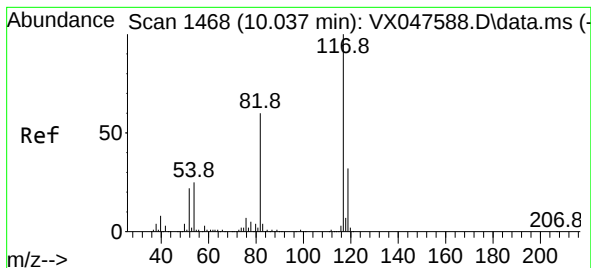
Tgt Ion: 98 Resp: 290425
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 45.063 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion: 95 Resp: 115422
Ion Ratio Lower Upper
95 100
174 70.4 0.0 141.6
176 68.3 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: VX047619.D

Acq: 17 Sep 2025 15:30

Instrument :

MSVOA_X

ClientSampleId :

MW305D-20250909

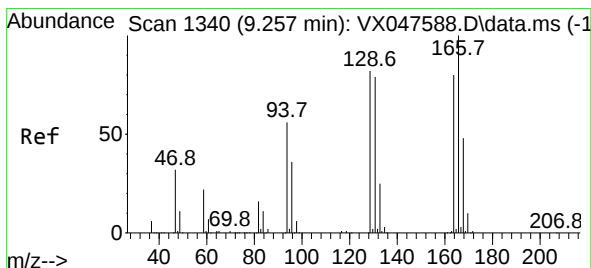
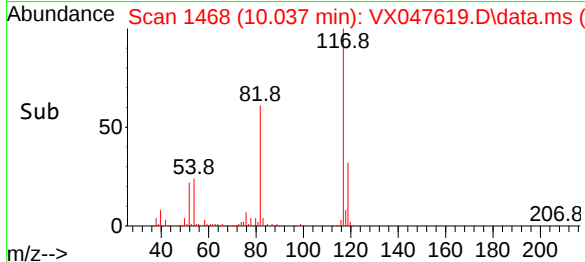
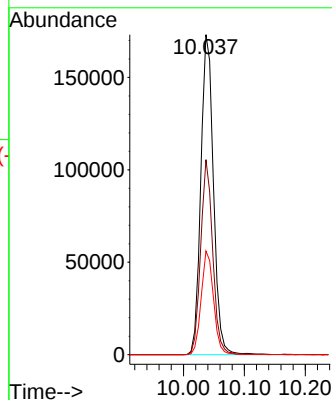
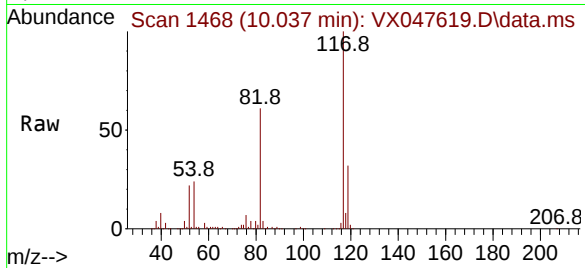
Tgt Ion:117 Resp: 250024

Ion Ratio Lower Upper

117 100

82 61.0 47.8 71.6

119 32.4 25.2 37.8



#64

Tetrachloroethene

Concen: 1.736 ug/l

RT: 9.263 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX047619.D

Acq: 17 Sep 2025 15:30

Tgt Ion:164 Resp: 2830

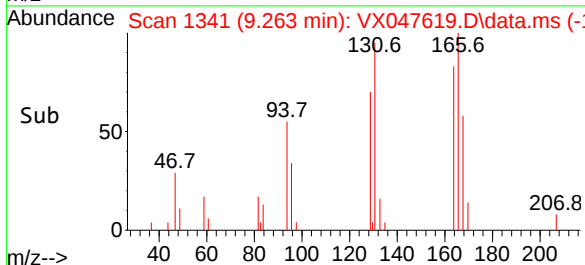
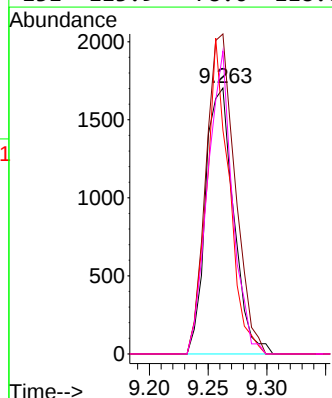
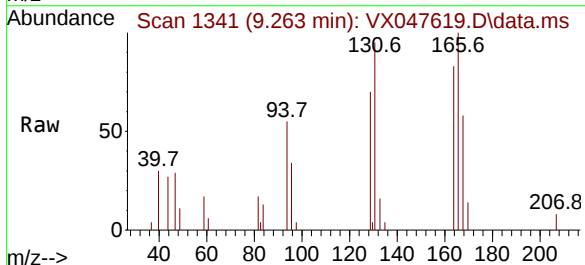
Ion Ratio Lower Upper

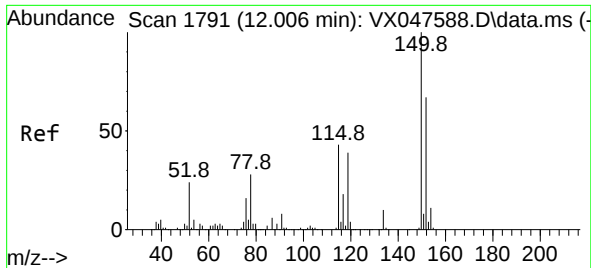
164 100

166 120.4 100.2 150.2

129 84.2 81.8 122.6

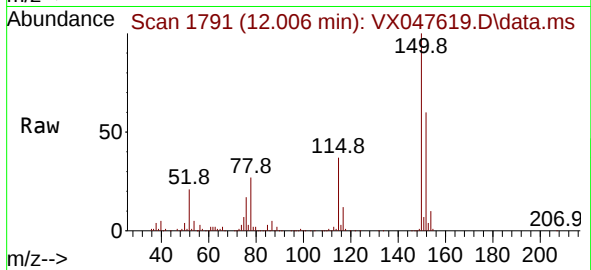
131 113.9 78.6 118.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047619.D
 Acq: 17 Sep 2025 15:30

Instrument :
 MSVOA_X
 ClientSampleId :
 MW305D-20250909



Tgt Ion:	152	Resp:	122022
Ion	Ratio	Lower	Upper
152	100		
115	63.4	44.9	134.5
150	158.9	0.0	352.0

