

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047618.D
 Acq On : 17 Sep 2025 15:09
 Operator : JC/MD
 Sample : Q3095-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-20250909

Quant Time: Sep 22 03:08:24 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)

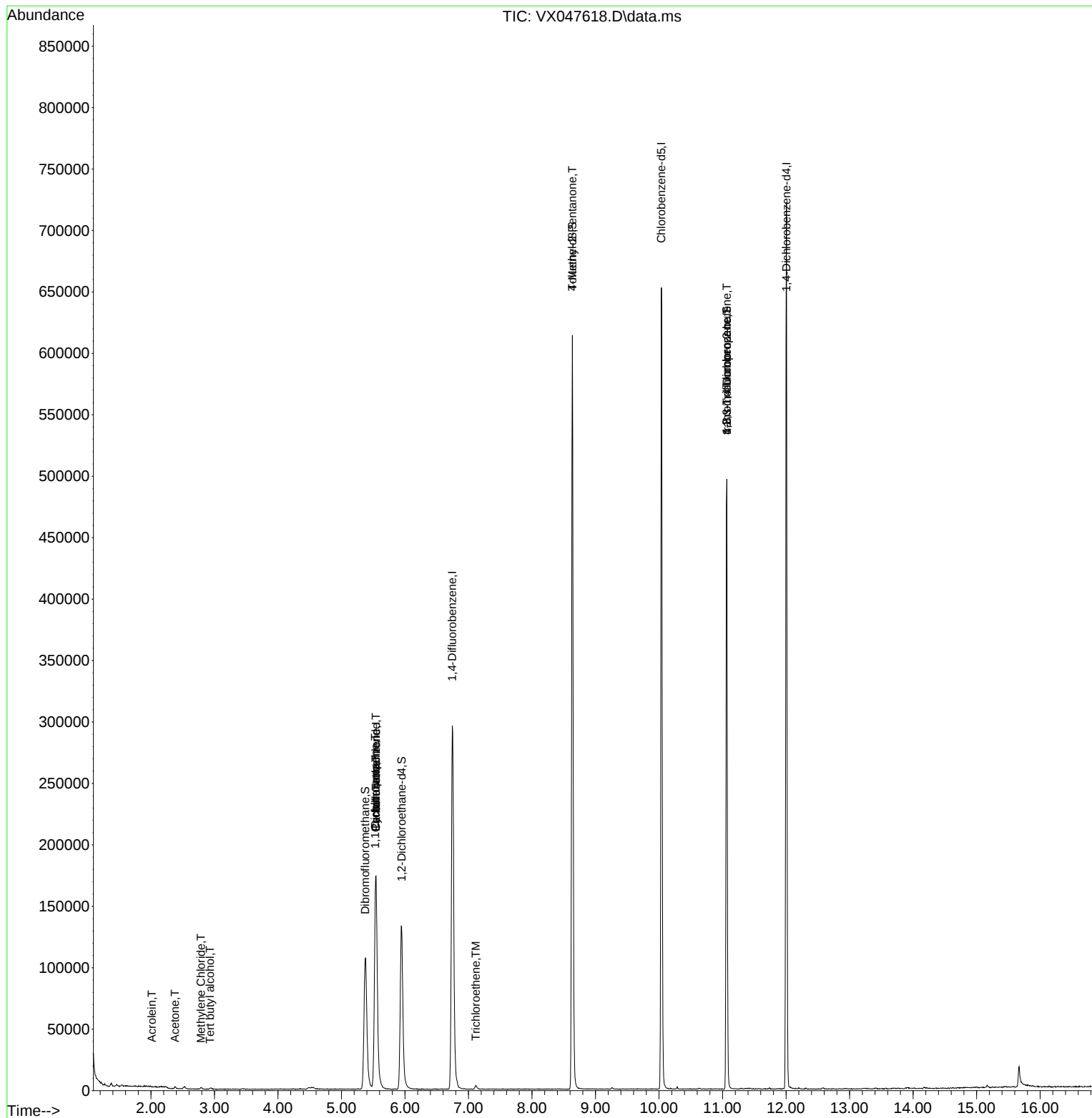
Internal Standards						
1) Pentafluorobenzene	5.543	168	174840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	324494	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	292220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	146146	52.514	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery	=	105.020%	
35) Dibromofluoromethane	5.373	113	105445	48.453	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	=	96.900%	
50) Toluene-d8	8.634	98	372448	49.461	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery	=	98.920%	
62) 4-Bromofluorobenzene	11.067	95	145635	50.960	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	=	101.920%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.928	59	146	0.471	ug/l #	72
13) Acrolein	2.014	56	80	0.280	ug/l #	1
16) Acetone	2.379	43	2126	1.757	ug/l #	78
20) Methylene Chloride	2.788	84	655	0.256	ug/l	90
31) Cyclohexane	5.537	56	3883	1.056	ug/l #	1
36) 1,1-Dichloropropene	5.531	75	15205	4.781	ug/l #	51
38) Carbon Tetrachloride	5.543	117	19345	5.599	ug/l #	16
44) Trichloroethene	7.116	130	1307	0.560	ug/l	77
51) 4-Methyl-2-Pentanone	8.634	43	1816	0.587	ug/l #	1
76) 1,2,3-Trichloropropane	11.067	75	75129	26.241	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	75129	66.919	ug/l #	8

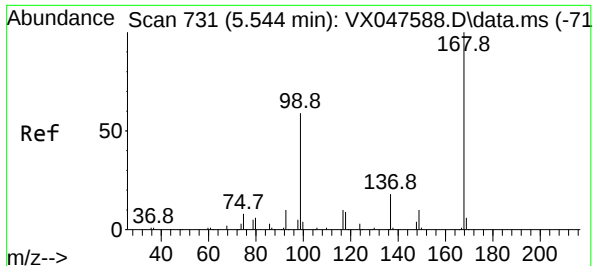
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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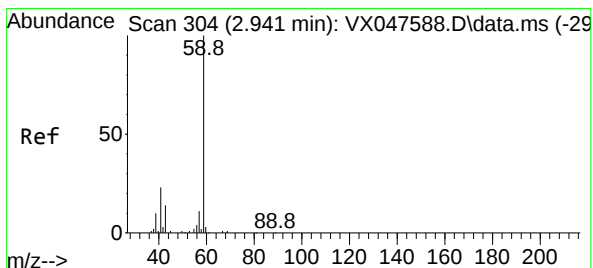
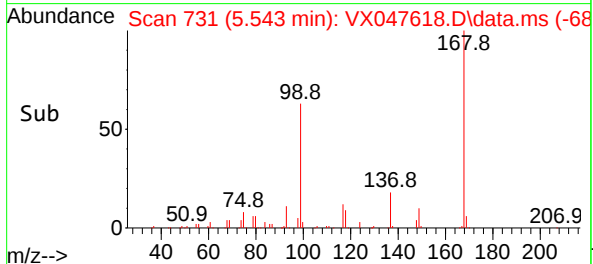
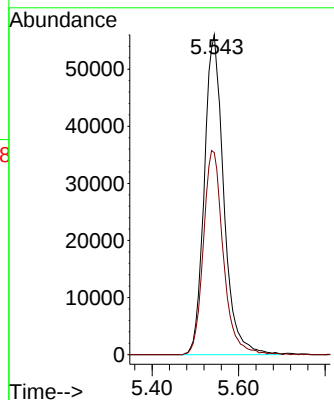
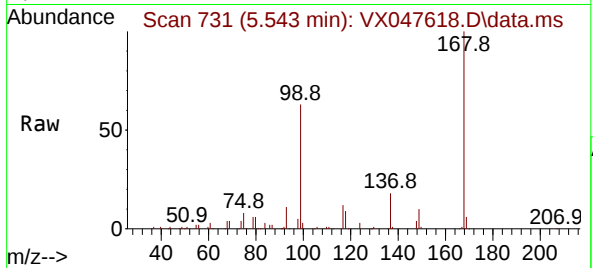




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX047618.D
Acq: 17 Sep 2025 15:09

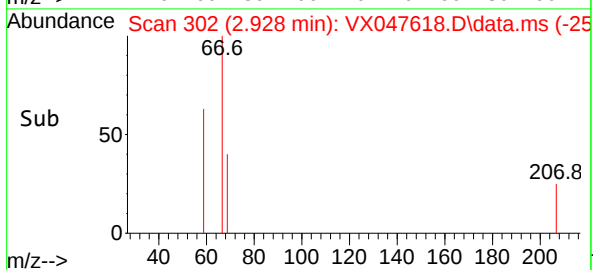
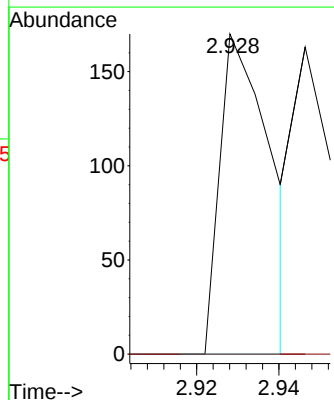
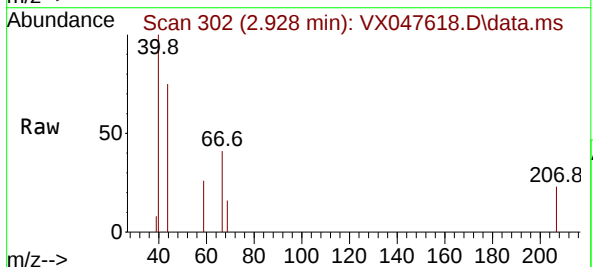
Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20250909

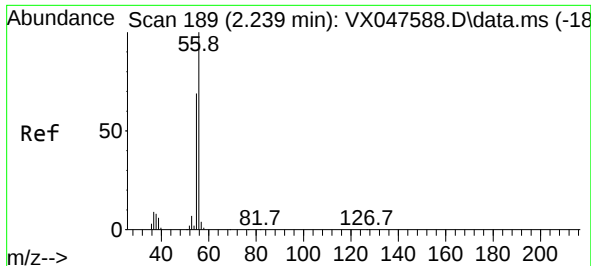
Tgt Ion:168 Resp: 174840
Ion Ratio Lower Upper
168 100
99 63.1 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.471 ug/l
RT: 2.928 min Scan# 302
Delta R.T. -0.013 min
Lab File: VX047618.D
Acq: 17 Sep 2025 15:09

Tgt Ion: 59 Resp: 146
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

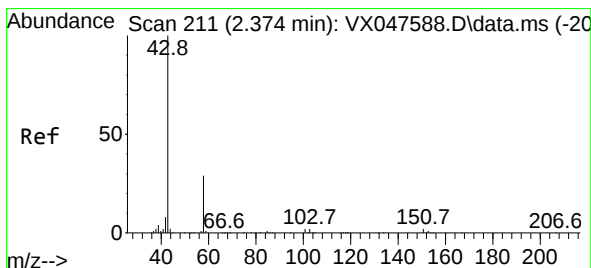
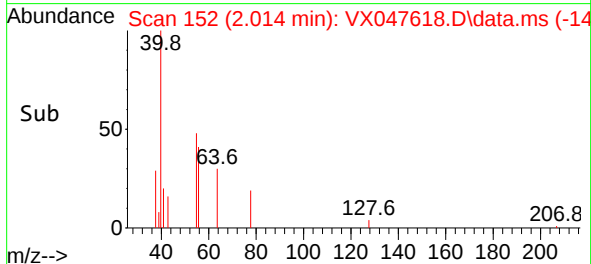
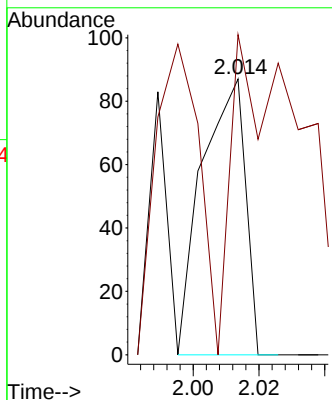
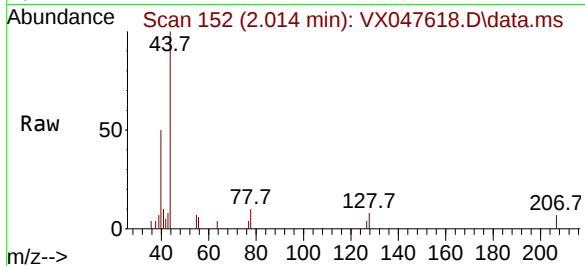




#13
Acrolein
Concen: 0.280 ug/l
RT: 2.014 min Scan# 11
Delta R.T. -0.226 min
Lab File: VX047618.D
Acq: 17 Sep 2025 15:09

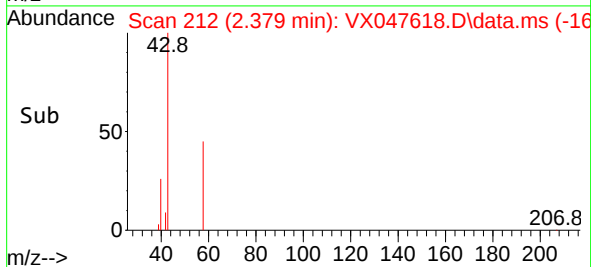
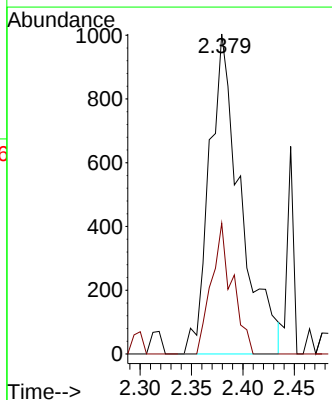
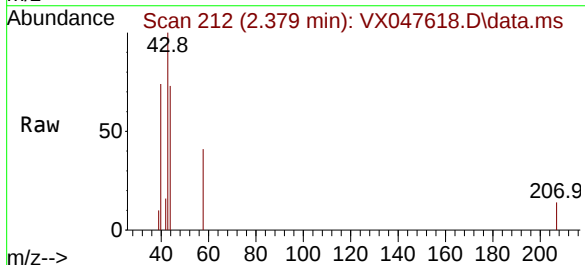
Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20250909

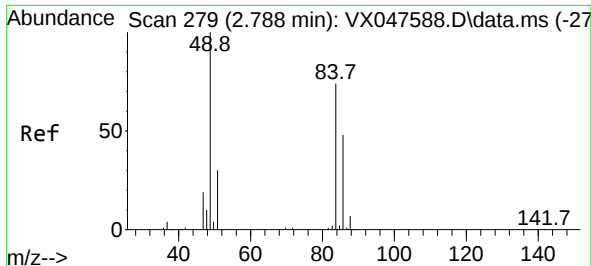
Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 185.0 57.2 85.8#



#16
Acetone
Concen: 1.757 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047618.D
Acq: 17 Sep 2025 15:09

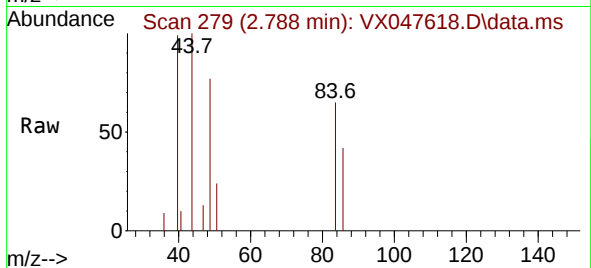
Tgt Ion: 43 Resp: 2126
Ion Ratio Lower Upper
43 100
58 40.8 23.4 35.0#



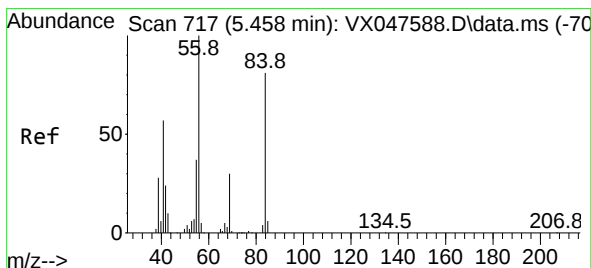
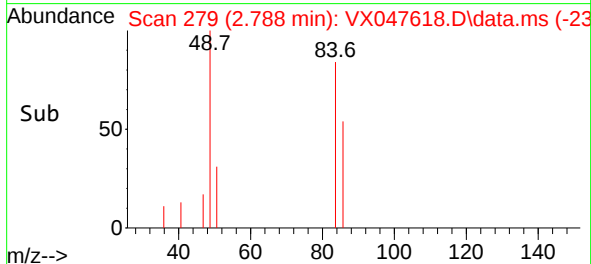
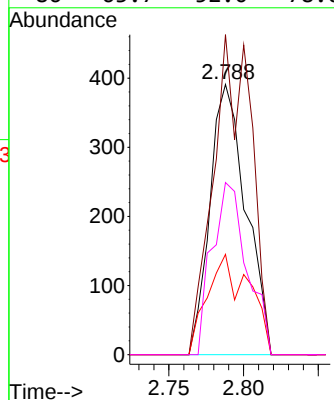


#20
Methylene Chloride
Concen: 0.256 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047618.D
Acq: 17 Sep 2025 15:09

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20250909

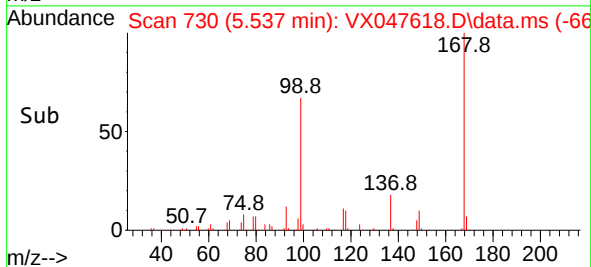
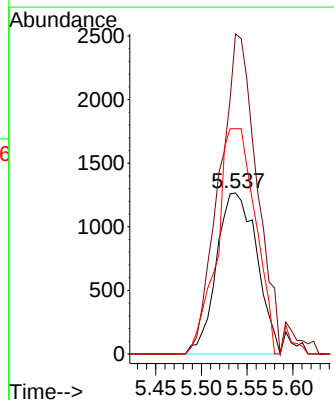
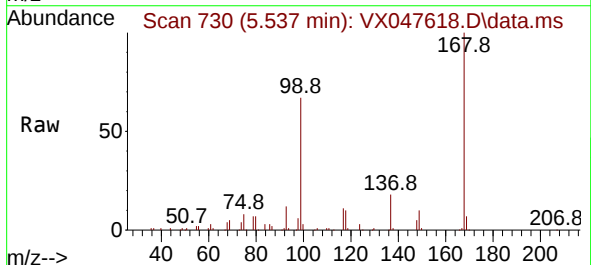


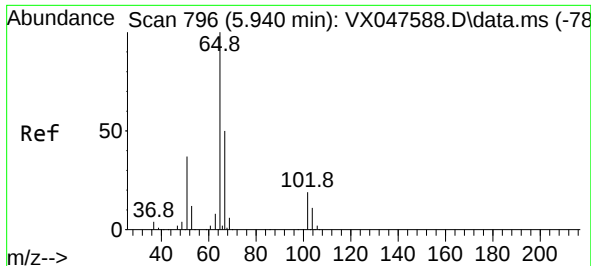
Tgt Ion: 84	Resp: 655
Ion Ratio	Lower Upper
84 100	
49 118.4	108.6 162.8
51 37.1	32.6 48.8
86 63.7	52.0 78.0



#31
Cyclohexane
Concen: 1.056 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX047618.D
Acq: 17 Sep 2025 15:09

Tgt Ion: 56	Resp: 3883		
Ion Ratio	Lower	Upper	
56 100			
69 198.7	23.8	35.8#	
84 139.9	64.6	97.0#	





#33

1,2-Dichloroethane-d4

Concen: 52.514 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047618.D

Acq: 17 Sep 2025 15:09

Instrument :

MSVOA_X

ClientSampleId :

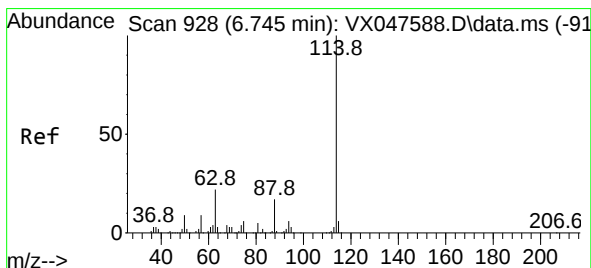
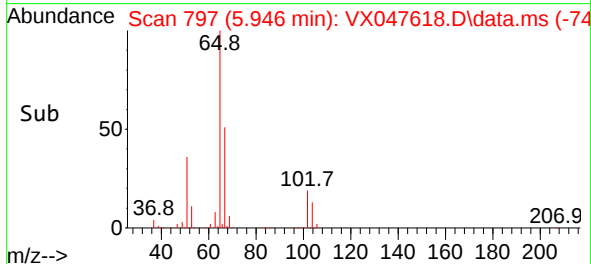
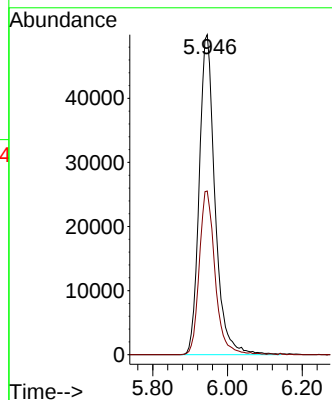
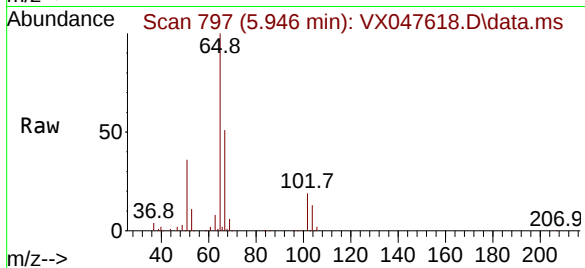
RE123D3-20250909

Tgt Ion: 65 Resp: 146146

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.744 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047618.D

Acq: 17 Sep 2025 15:09

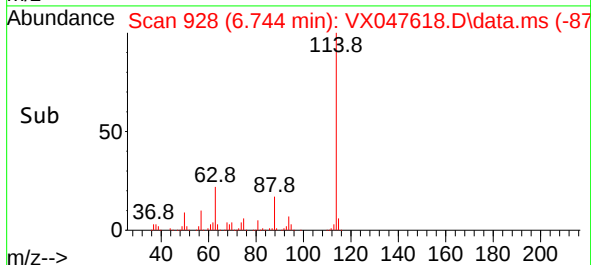
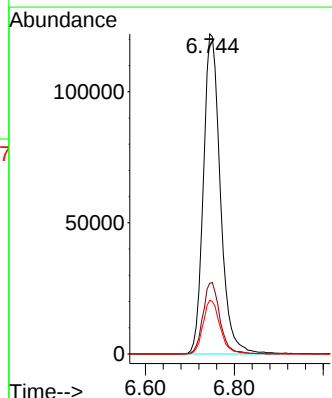
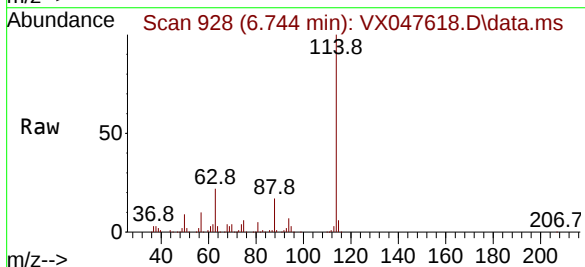
Tgt Ion: 114 Resp: 324494

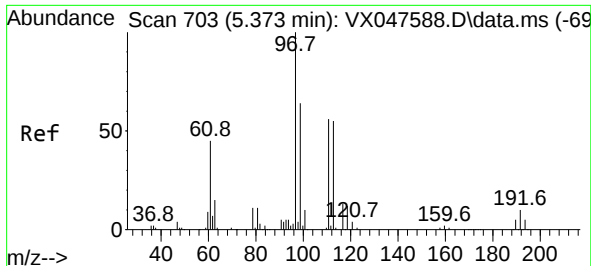
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.0

88 16.8 0.0 34.2

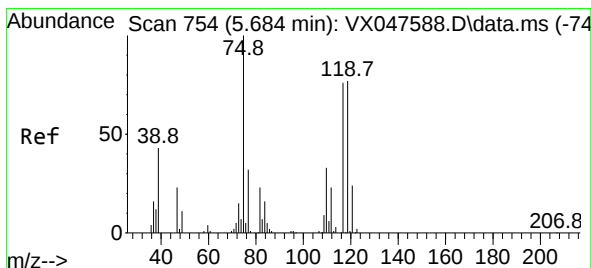
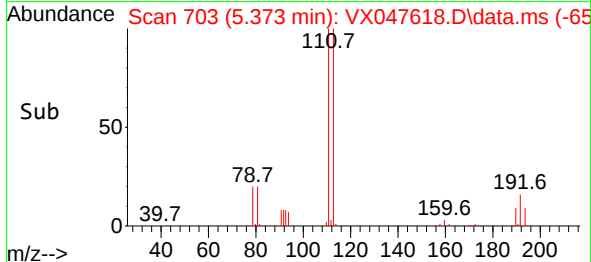
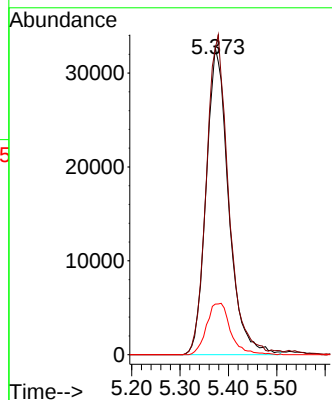
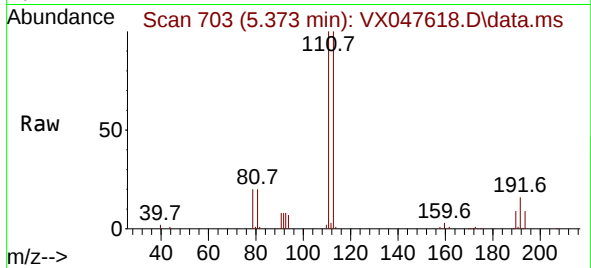




#35
Dibromofluoromethane
Concen: 48.453 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047618.D
Acq: 17 Sep 2025 15:09

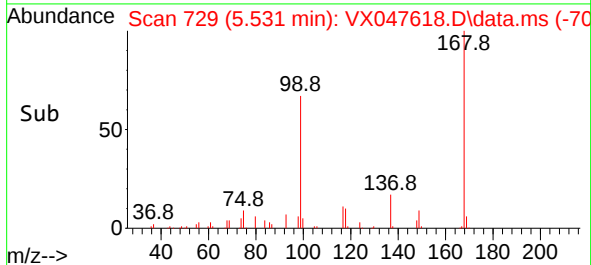
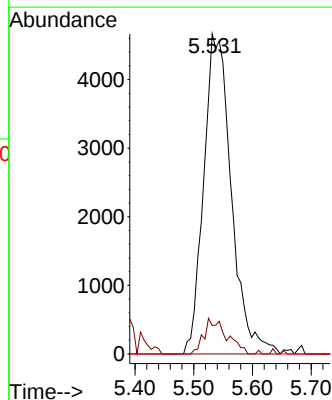
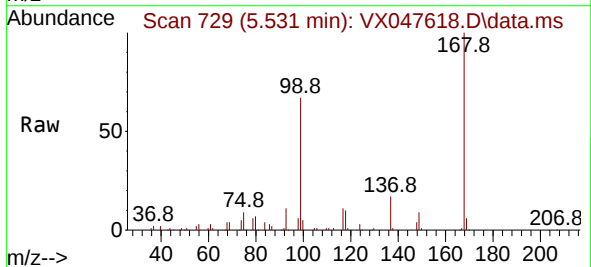
Instrument :
MSVOA_X
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RE123D3-20250909

Tgt Ion:113 Resp: 105445
Ion Ratio Lower Upper
113 100
111 103.2 80.9 121.3
192 17.8 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.781 ug/l
RT: 5.531 min Scan# 729
Delta R.T. -0.153 min
Lab File: VX047618.D
Acq: 17 Sep 2025 15:09

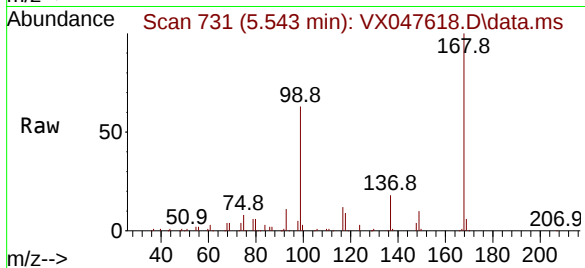
Tgt Ion: 75 Resp: 15205
Ion Ratio Lower Upper
75 100
110 9.1 16.7 50.1#
77 0.0 24.3 36.5#



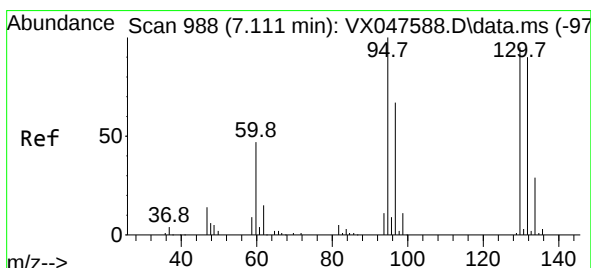
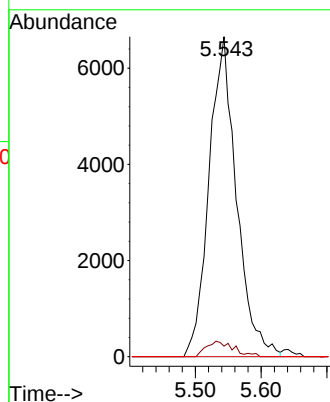
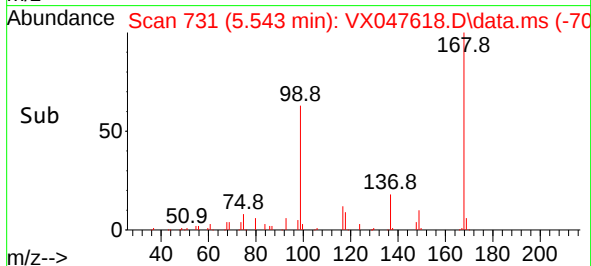


#38
Carbon Tetrachloride
Concen: 5.599 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047618.D
Acq: 17 Sep 2025 15:09

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20250909

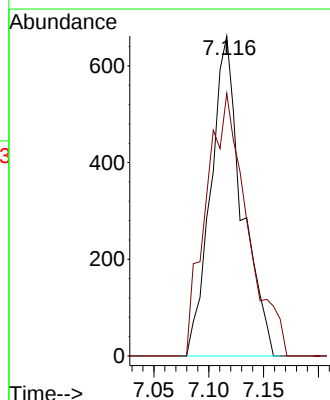
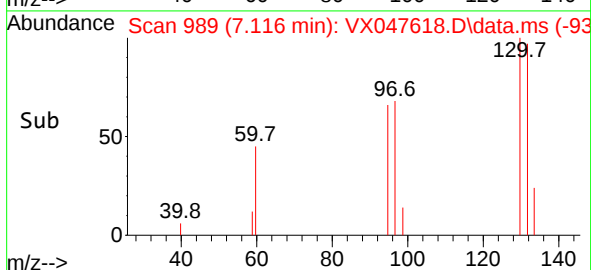
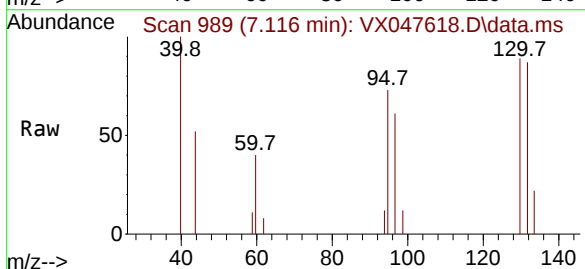


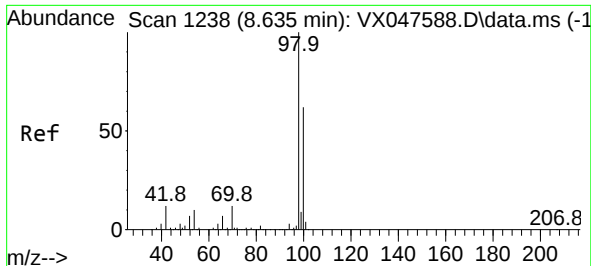
Tgt Ion:117 Resp: 19345
Ion Ratio Lower Upper
117 100
119 3.3 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 0.560 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047618.D
Acq: 17 Sep 2025 15:09

Tgt Ion:130 Resp: 1307
Ion Ratio Lower Upper
130 100
95 82.0 0.0 210.8

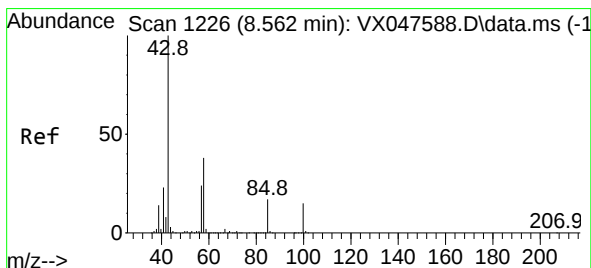
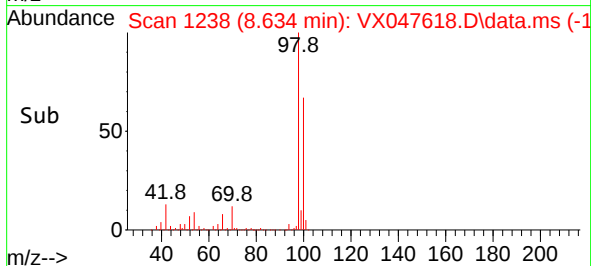
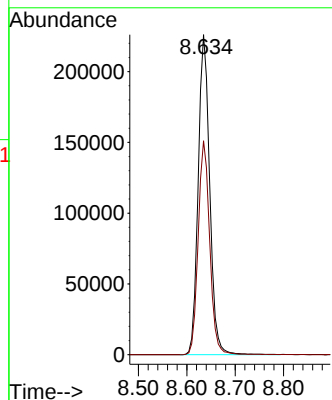
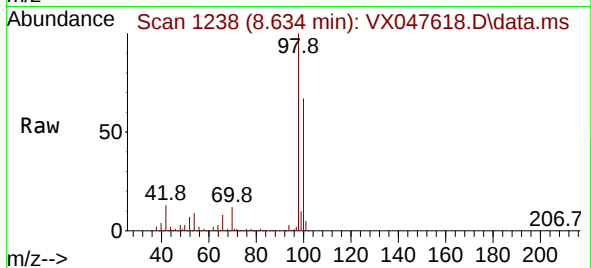




#50
Toluene-d8
Concen: 49.461 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047618.D
Acq: 17 Sep 2025 15:09

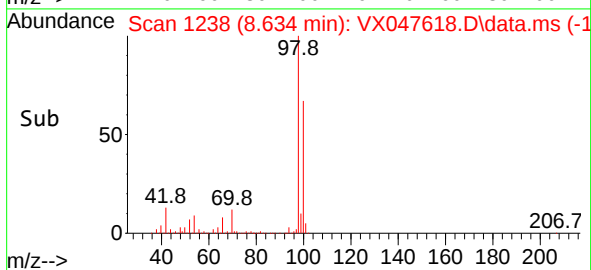
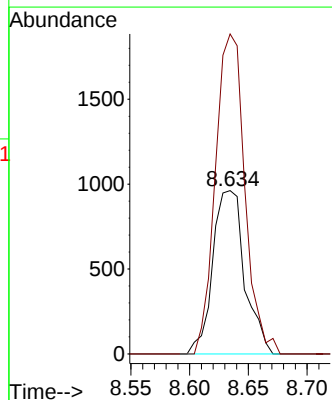
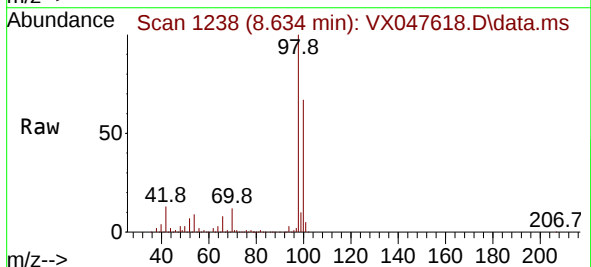
Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20250909

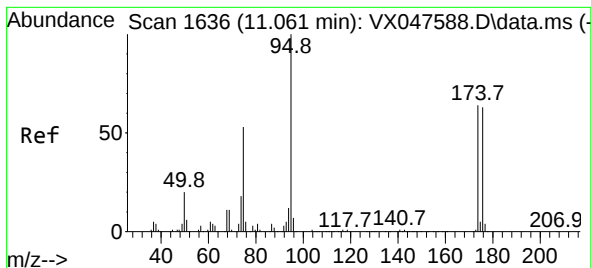
Tgt Ion: 98 Resp: 372448
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.587 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. 0.073 min
Lab File: VX047618.D
Acq: 17 Sep 2025 15:09

Tgt Ion: 43 Resp: 1816
Ion Ratio Lower Upper
43 100
58 181.2 30.3 45.5#

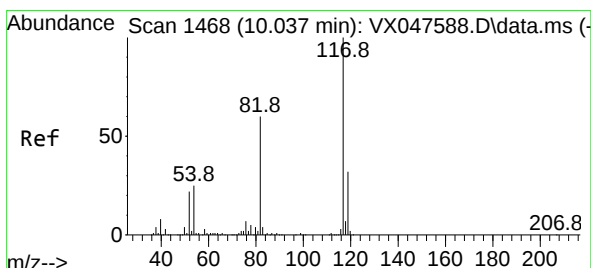
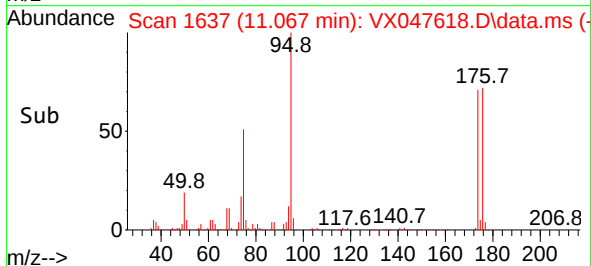
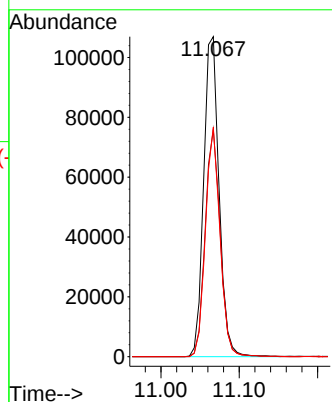
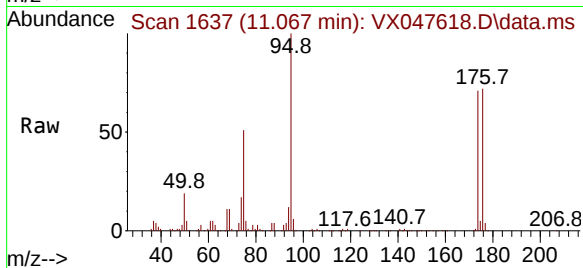




#62
4-Bromofluorobenzene
Concen: 50.960 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047618.D
Acq: 17 Sep 2025 15:09

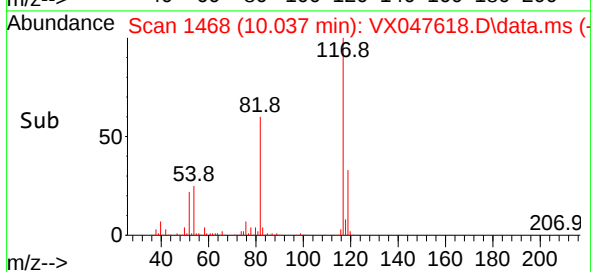
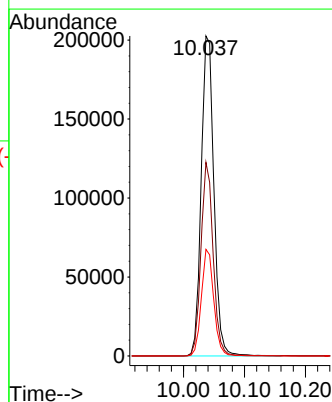
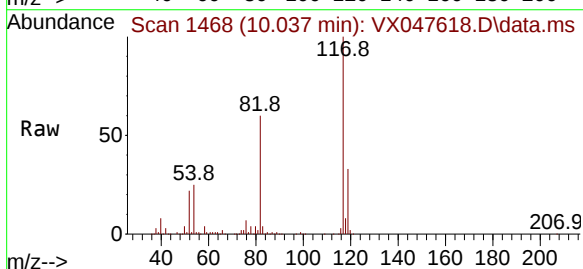
Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20250909

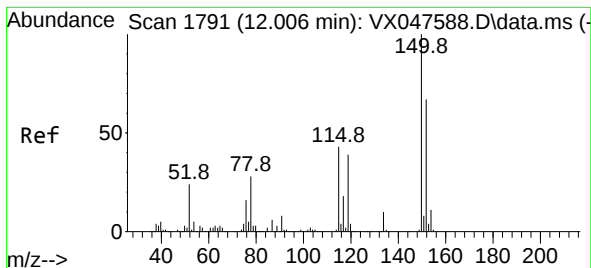
Tgt Ion: 95 Resp: 145635
Ion Ratio Lower Upper
95 100
174 69.4 0.0 141.6
176 67.8 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047618.D
Acq: 17 Sep 2025 15:09

Tgt Ion: 117 Resp: 292220
Ion Ratio Lower Upper
117 100
82 60.5 47.8 71.6
119 33.3 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047618.D

Acq: 17 Sep 2025 15:09

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-20250909

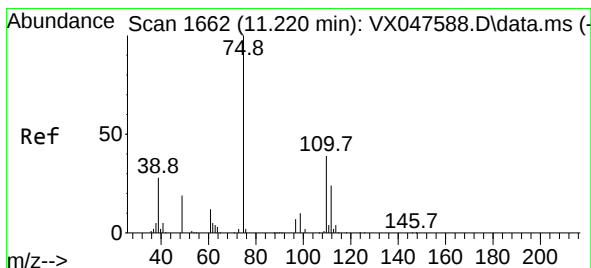
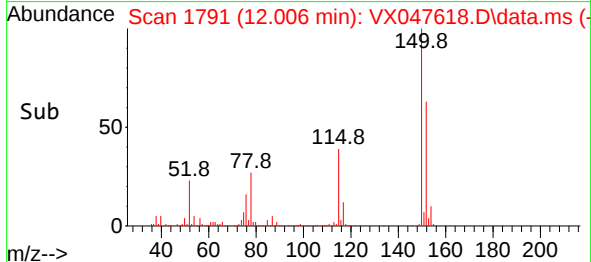
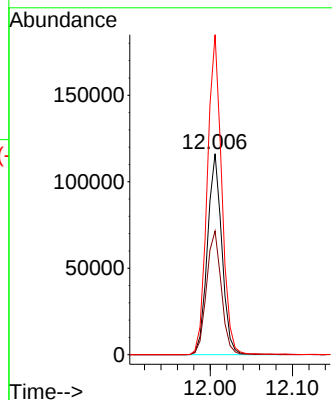
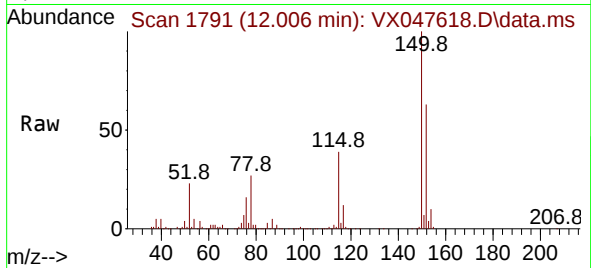
Tgt Ion:152 Resp: 141405

Ion Ratio Lower Upper

152 100

115 63.2 44.9 134.5

150 159.1 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 26.241 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. -0.153 min

Lab File: VX047618.D

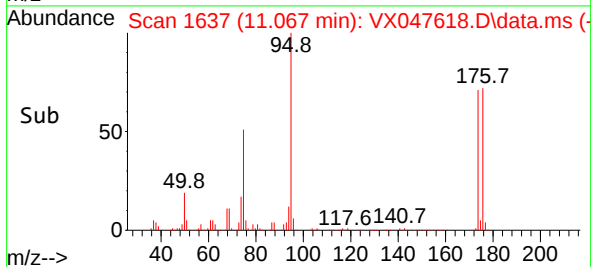
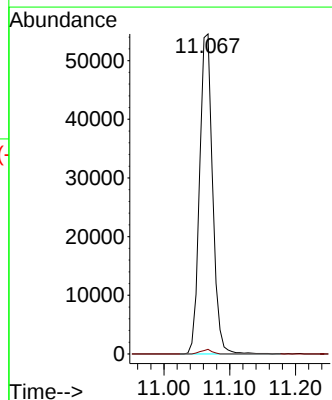
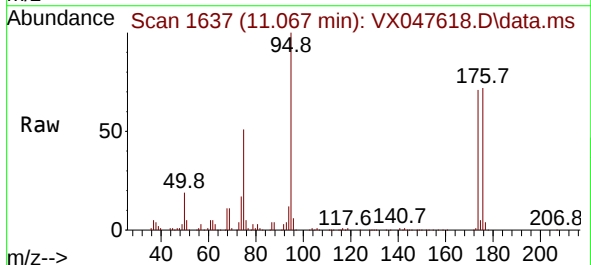
Acq: 17 Sep 2025 15:09

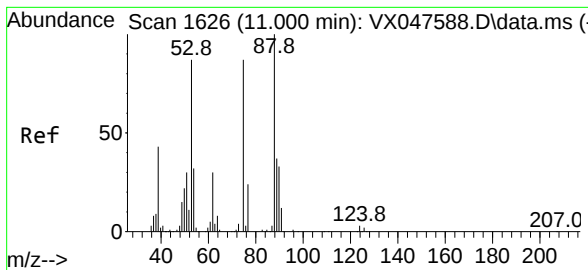
Tgt Ion: 75 Resp: 75129

Ion Ratio Lower Upper

75 100

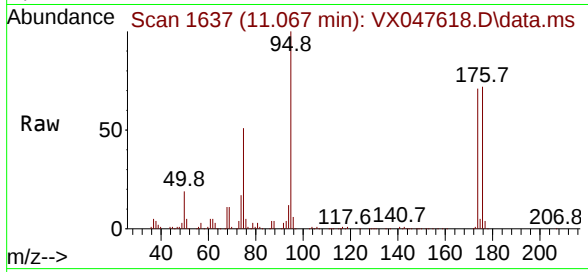
77 1.2 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.919 ug/l
 RT: 11.067 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX047618.D
 Acq: 17 Sep 2025 15:09

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-20250909



Tgt Ion: 75 Resp: 75129
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

