

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
 Data File : VX047640.D
 Acq On : 18 Sep 2025 15:01
 Operator : JC/MD
 Sample : Q3095-17DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20250909DL

Quant Time: Sep 22 03:36:57 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)

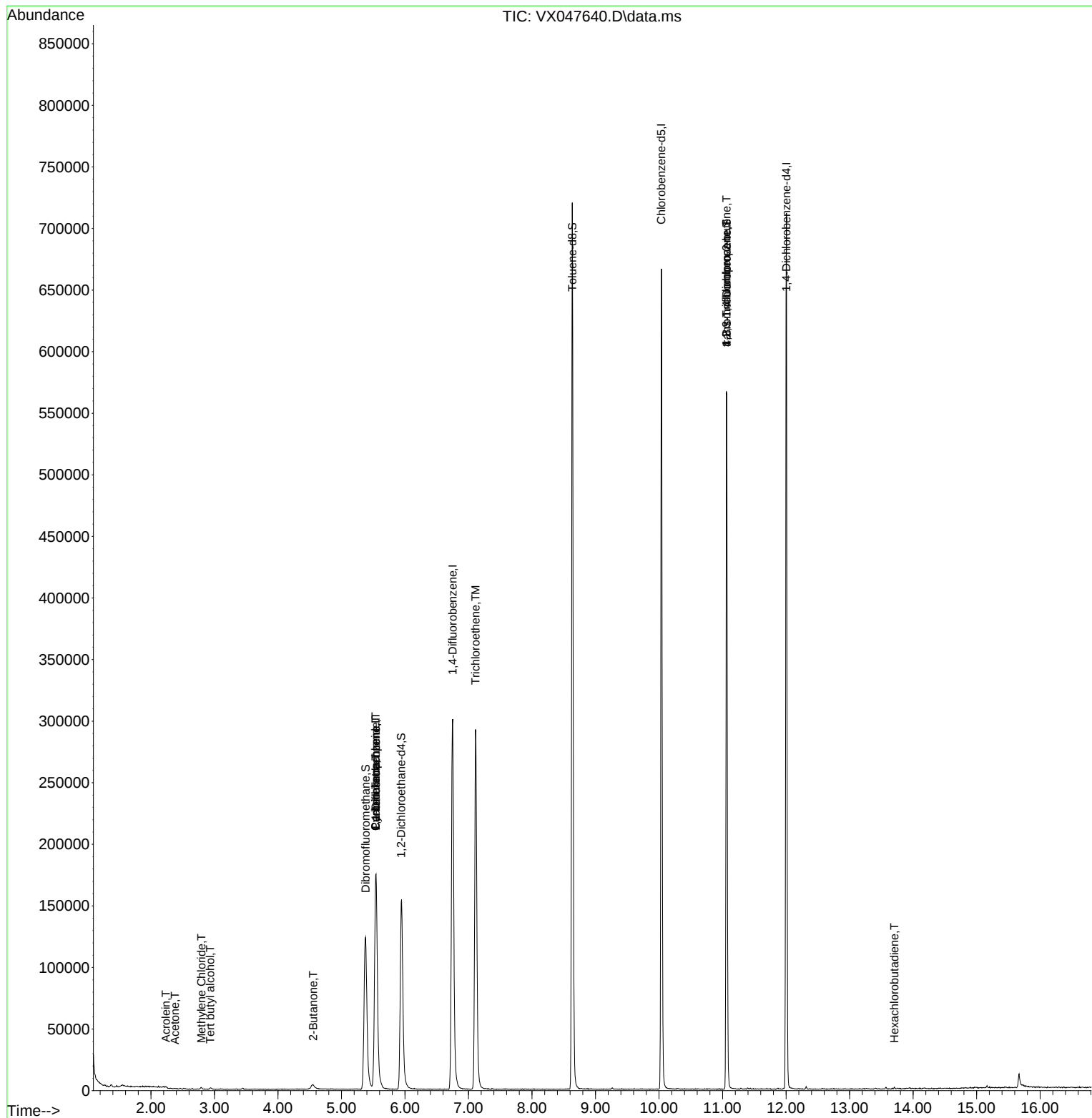
Internal Standards						
1) Pentafluorobenzene	5.544	168	179953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	331339	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	301020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	145612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	168764	58.918	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.840%#			
35) Dibromofluoromethane	5.379	113	122513	55.133	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.260%			
50) Toluene-d8	8.634	98	431532	56.123	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 112.240%#			
62) 4-Bromofluorobenzene	11.061	95	167812	57.507	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.020%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.934	59	101	0.317	ug/l #	72
13) Acrolein	2.233	56	62	0.211	ug/l	95
16) Acetone	2.379	43	874	0.702	ug/l #	59
20) Methylene Chloride	2.794	84	535	0.203	ug/l	97
25) 2-Butanone	4.556	43	432	0.278	ug/l #	50
31) Cyclohexane	5.537	56	4107	1.085	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	15227	4.689	ug/l #	51
38) Carbon Tetrachloride	5.537	117	19314	5.474	ug/l #	19
44) Trichloroethene	7.110	130	121455	50.939	ug/l	97
76) 1,2,3-Trichloropropane	11.061	75	87041	29.524	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	87041	75.289	ug/l #	8
94) Hexachlorobutadiene	13.707	225	298	0.280	ug/l	75

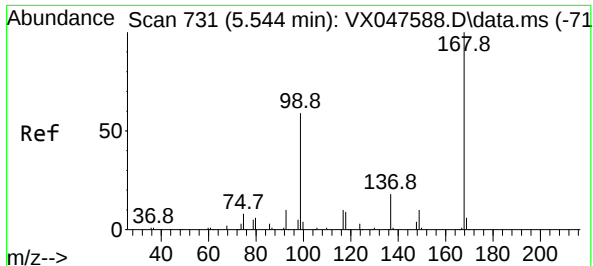
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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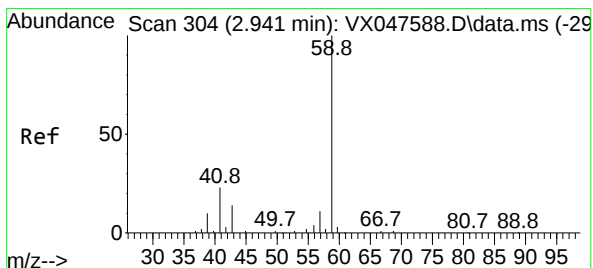
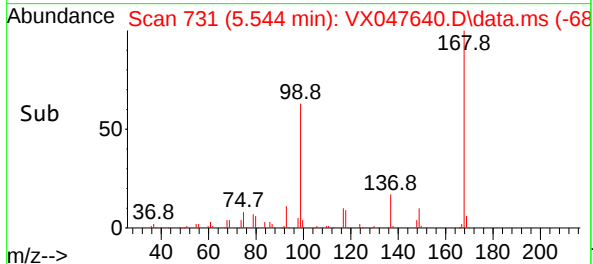
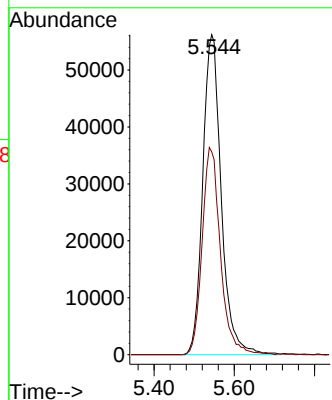
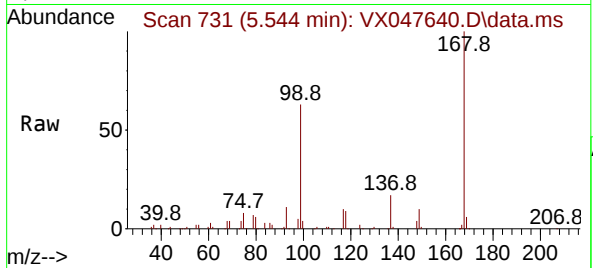




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

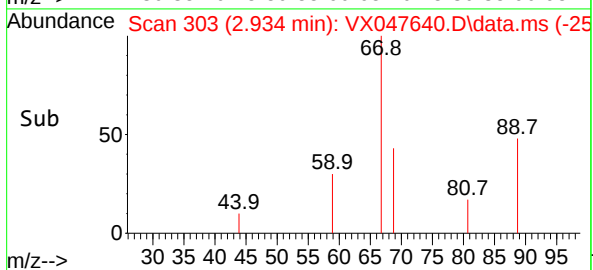
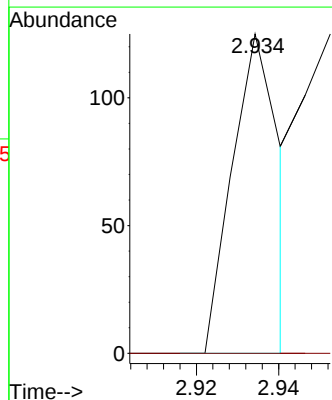
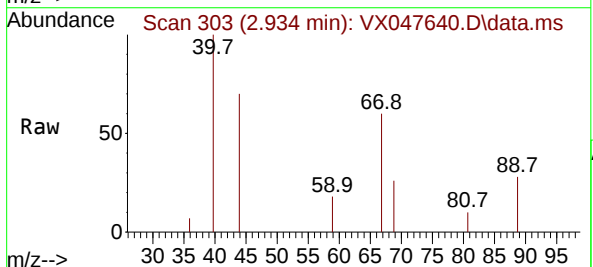
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909DL

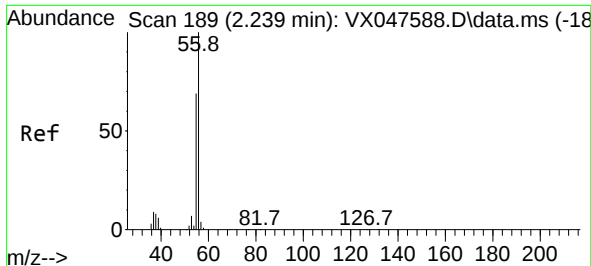
Tgt Ion:168 Resp: 179953
Ion Ratio Lower Upper
168 100
99 63.4 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.317 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Tgt Ion: 59 Resp: 101
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

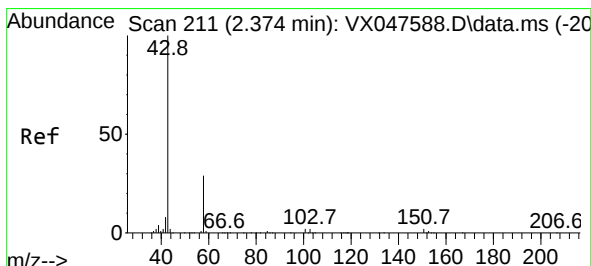
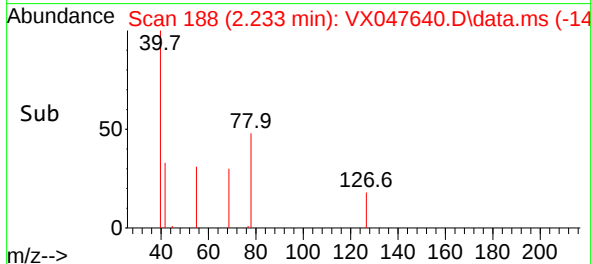
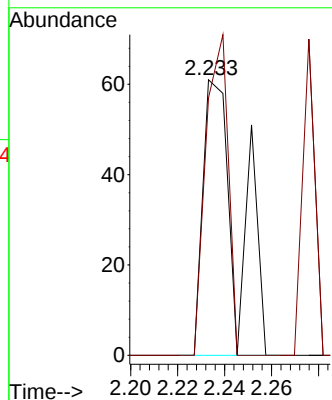
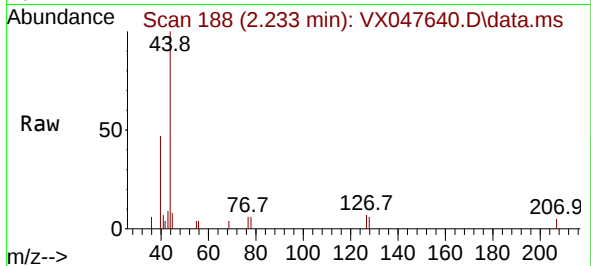




#13
Acrolein
Concen: 0.211 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

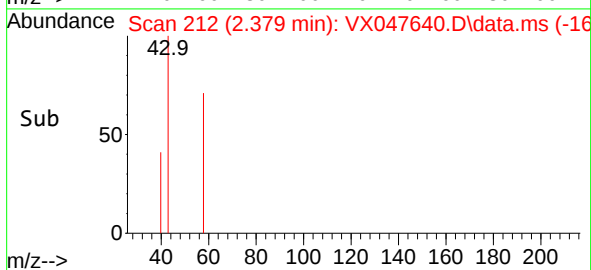
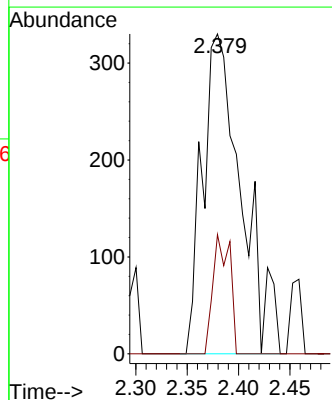
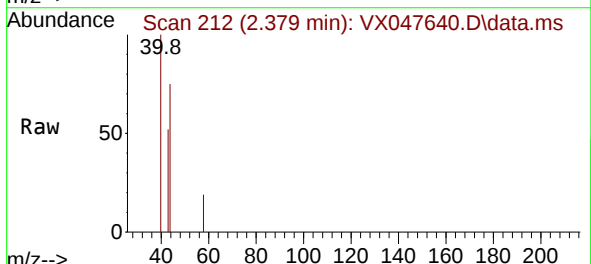
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909DL

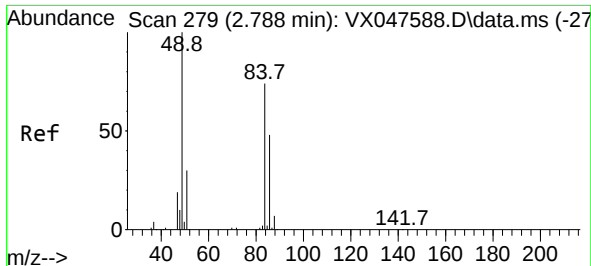
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 75.8 57.2 85.8



#16
Acetone
Concen: 0.702 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Tgt Ion: 43 Resp: 874
Ion Ratio Lower Upper
43 100
58 51.0 23.4 35.0#

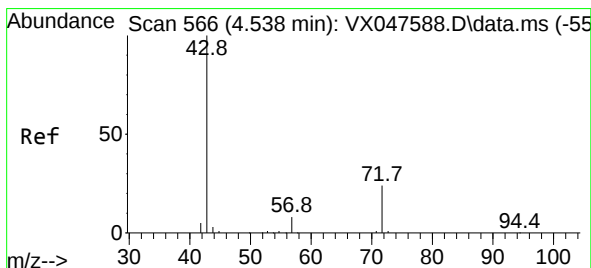
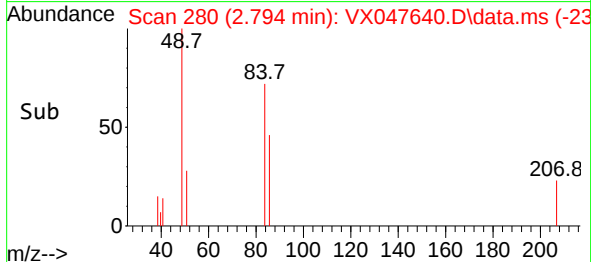
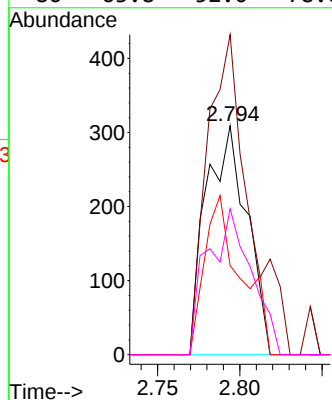
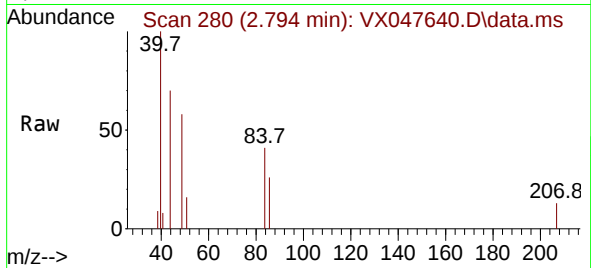




#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

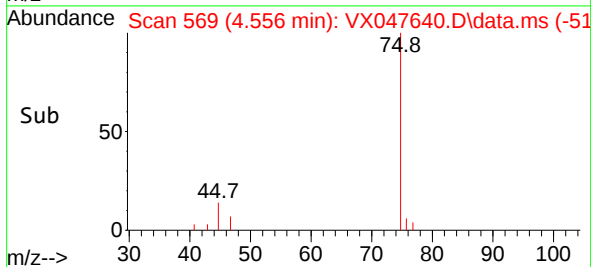
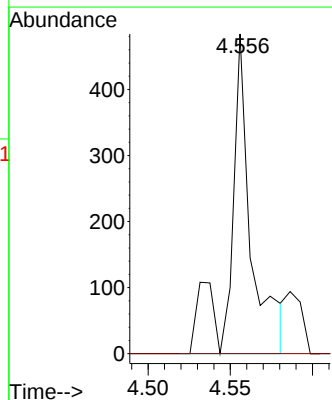
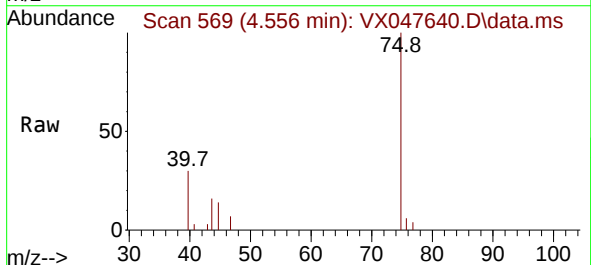
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909DL

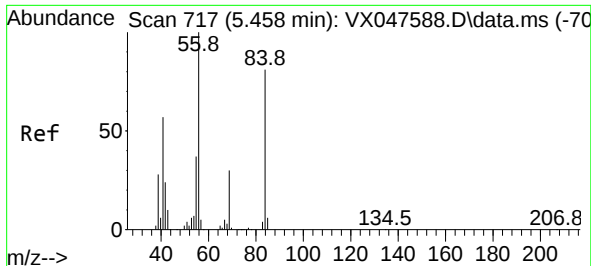
Tgt Ion:	84	Resp:	535
Ion	Ratio	Lower	Upper
84	100		
49	139.8	108.6	162.8
51	38.8	32.6	48.8
86	63.8	52.0	78.0



#25
2-Butanone
Concen: 0.278 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Tgt Ion:	43	Resp:	432
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.1	30.1#

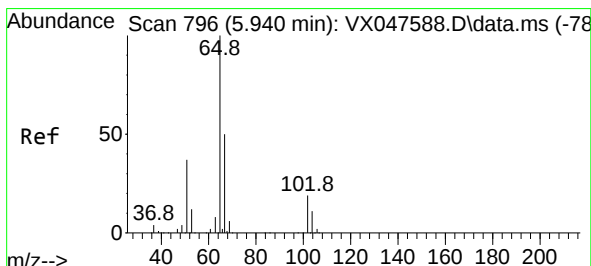
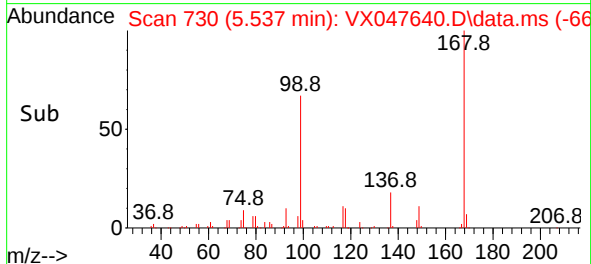
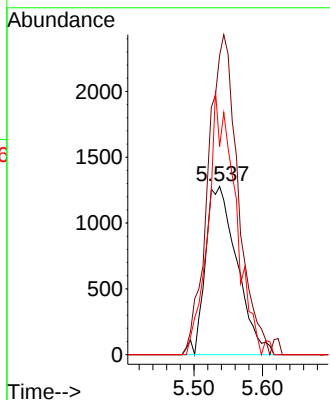
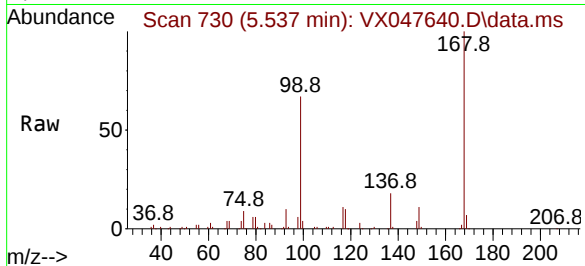




#31
Cyclohexane
Concen: 1.085 ug/l
RT: 5.537 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

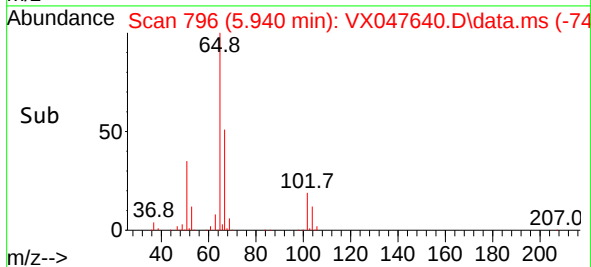
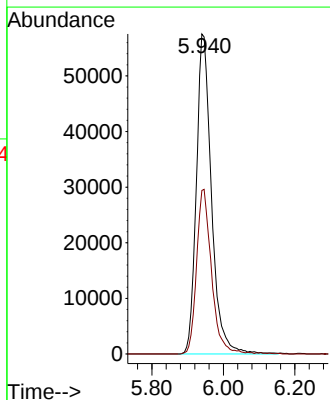
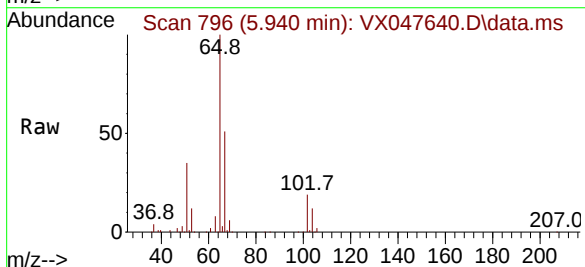
Instrument :
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ClientSampleId :
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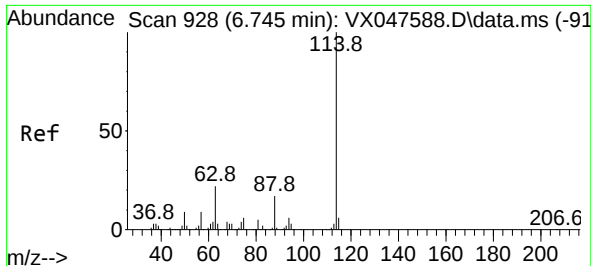
Tgt Ion: 56 Resp: 4107
Ion Ratio Lower Upper
56 100
69 177.8 23.8 35.8#
84 123.6 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 58.918 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

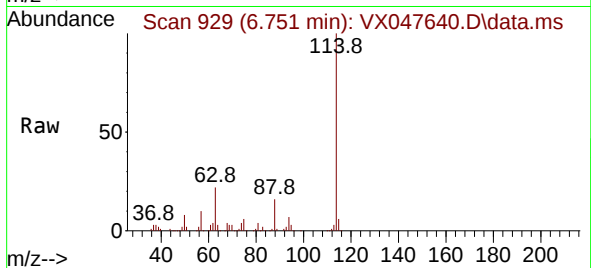
Tgt Ion: 65 Resp: 168764
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0



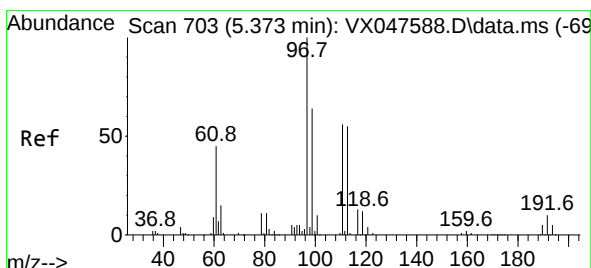
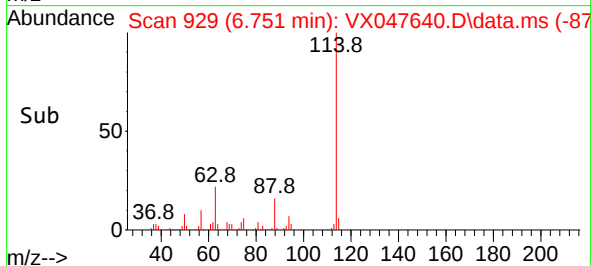
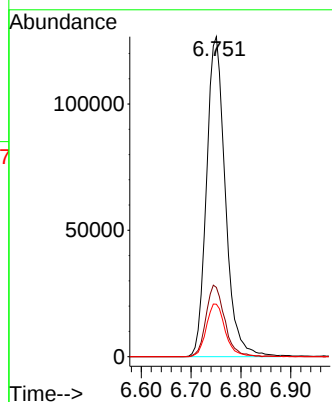


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909DL

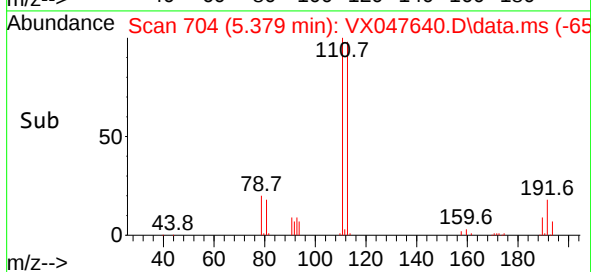
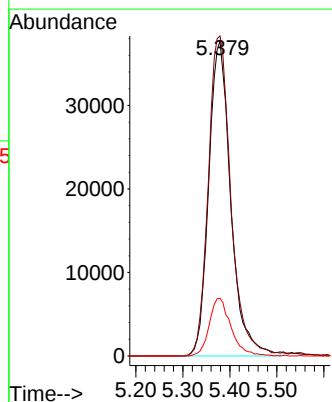
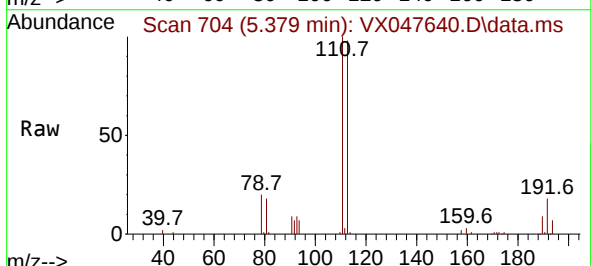


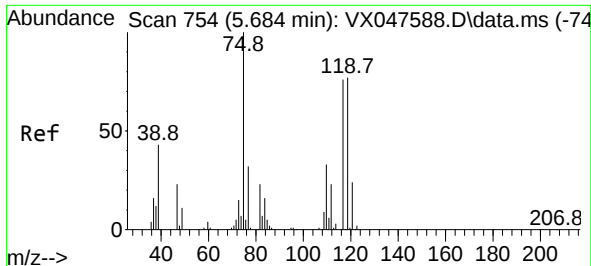
Tgt Ion:114 Resp: 331339
Ion Ratio Lower Upper
114 100
63 21.6 0.0 44.0
88 16.4 0.0 34.2



#35
Dibromofluoromethane
Concen: 55.133 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Tgt Ion:113 Resp: 122513
Ion Ratio Lower Upper
113 100
111 104.2 80.9 121.3
192 18.1 14.2 21.4

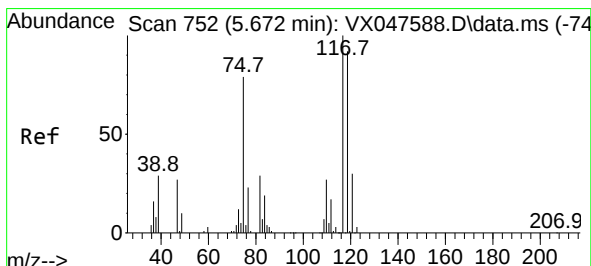
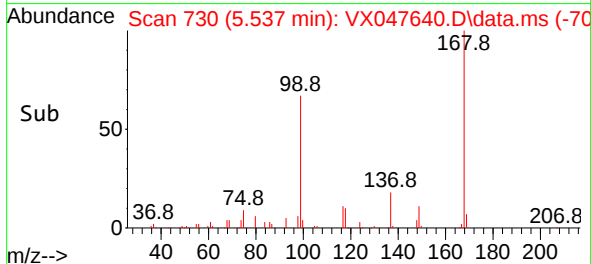
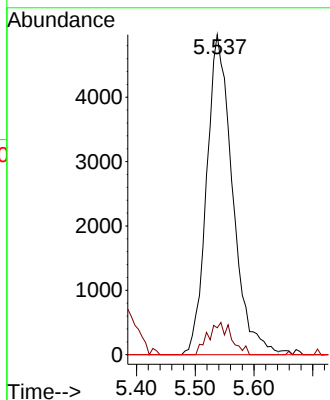
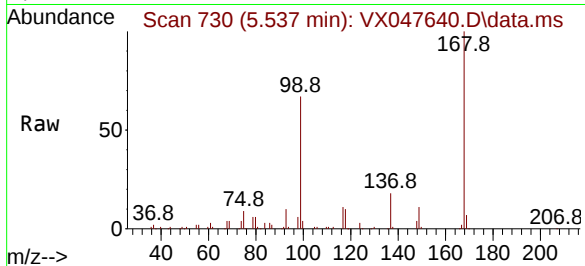




#36
1,1-Dichloropropene
Concen: 4.689 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

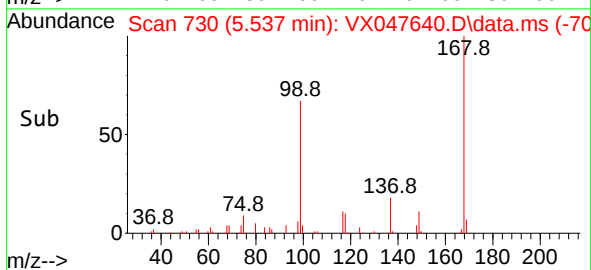
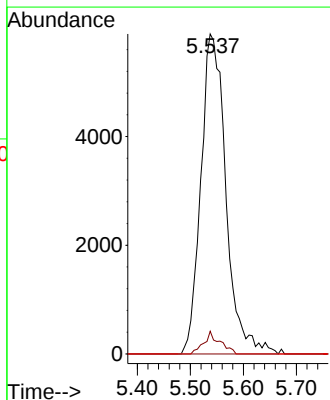
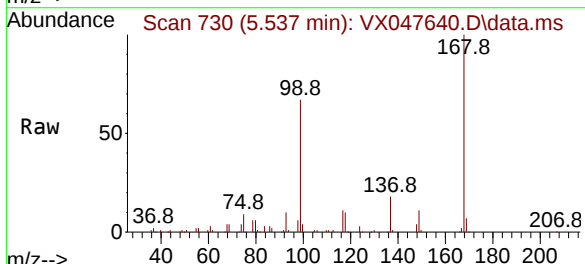
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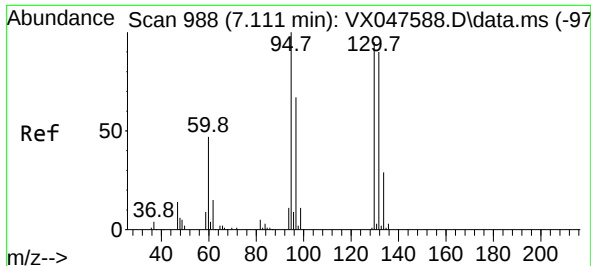
Tgt Ion: 75 Resp: 15227
Ion Ratio Lower Upper
75 100
110 9.0 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.474 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Tgt Ion: 117 Resp: 19314
Ion Ratio Lower Upper
117 100
119 7.1 73.4 110.2#
121 0.0 23.8 35.6#

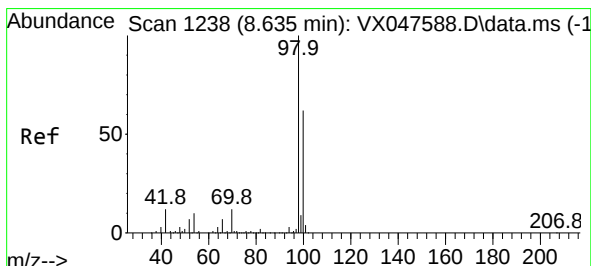
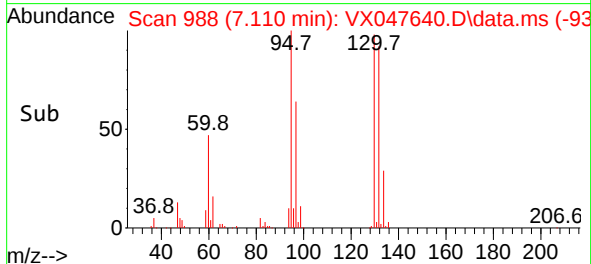
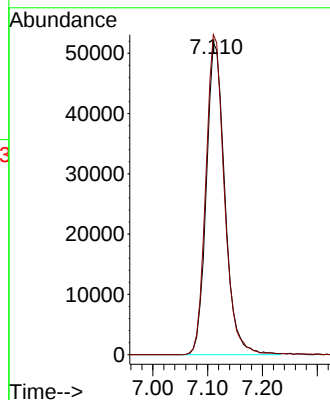
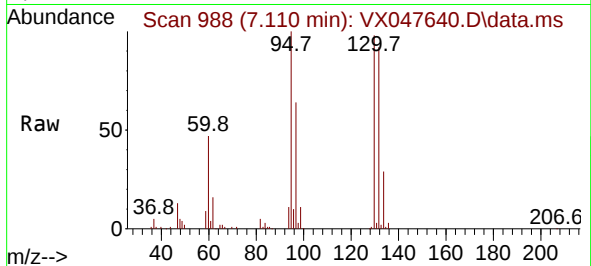




#44
Trichloroethene
Concen: 50.939 ug/l
RT: 7.110 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

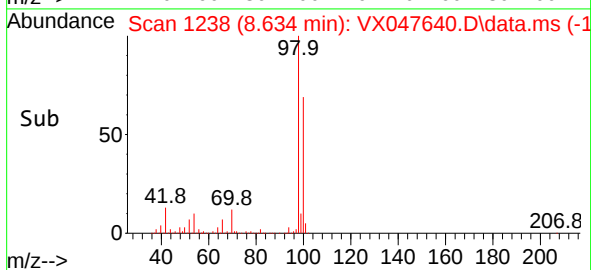
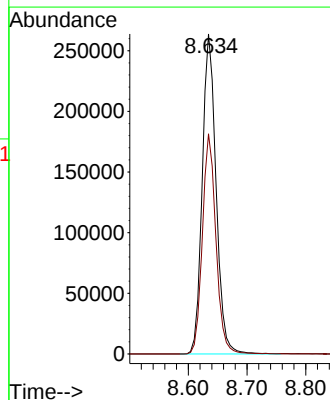
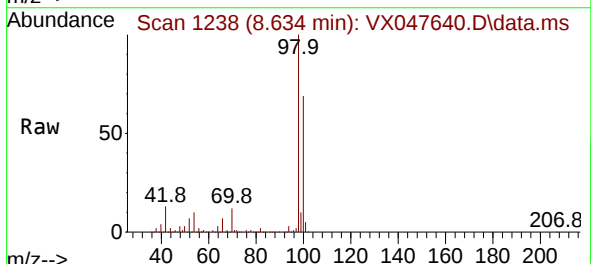
Instrument :
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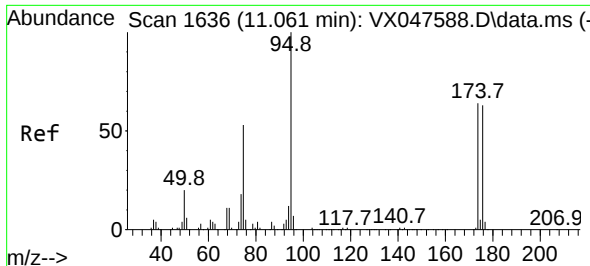
Tgt Ion:130 Resp: 121455
Ion Ratio Lower Upper
130 100
95 102.5 0.0 210.8



#50
Toluene-d8
Concen: 56.123 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Tgt Ion: 98 Resp: 431532
Ion Ratio Lower Upper
98 100
100 67.4 53.0 79.4

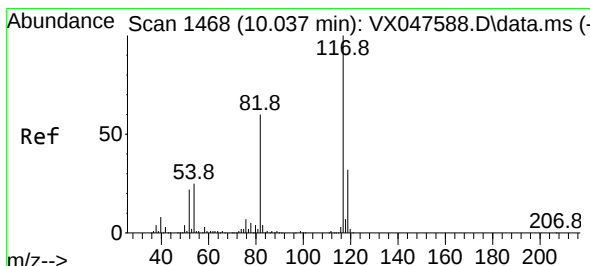
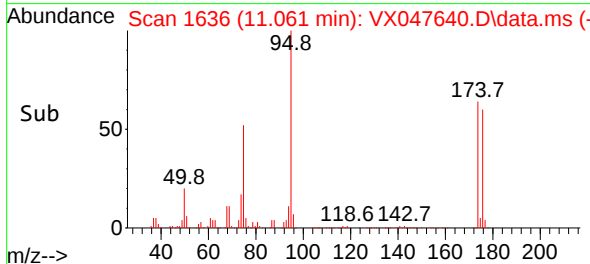
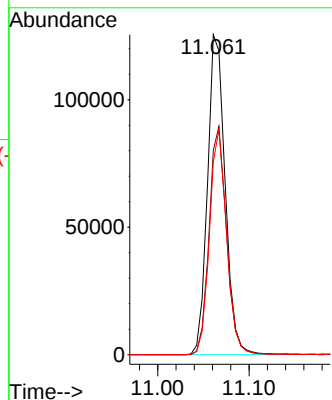
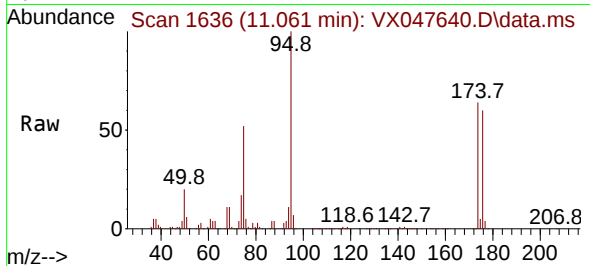




#62
4-Bromofluorobenzene
Concen: 57.507 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

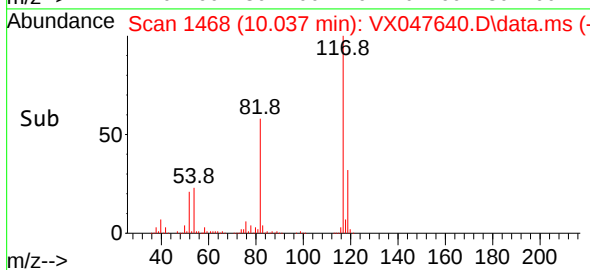
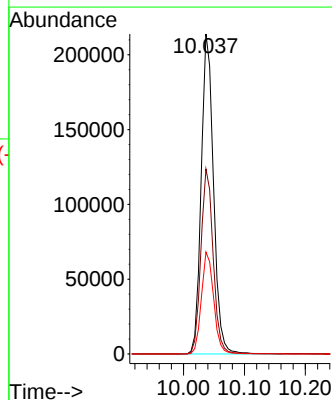
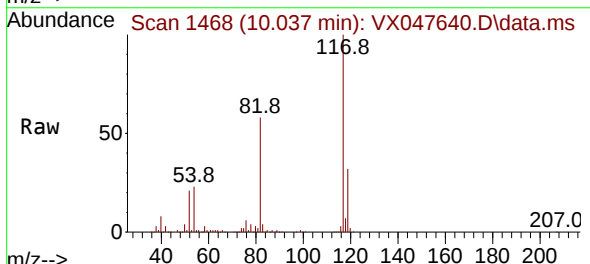
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909DL

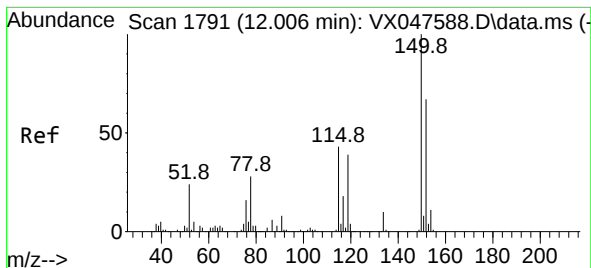
Tgt Ion: 95 Resp: 167812
Ion Ratio Lower Upper
95 100
174 70.5 0.0 141.6
176 68.3 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Tgt Ion: 117 Resp: 301020
Ion Ratio Lower Upper
117 100
82 57.8 47.8 71.6
119 31.9 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047640.D

Acq: 18 Sep 2025 15:01

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20250909DL

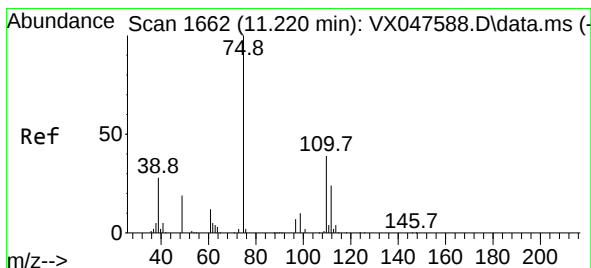
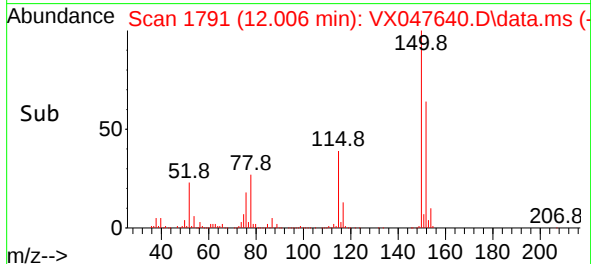
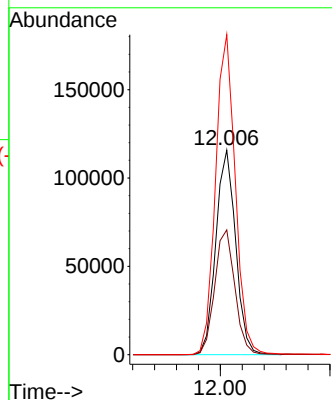
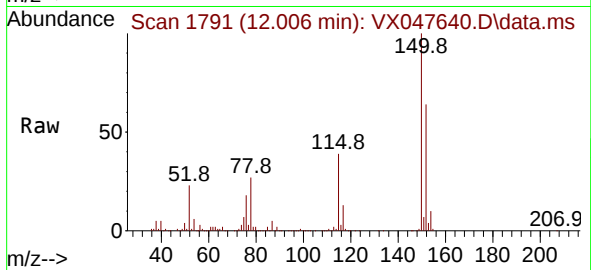
Tgt Ion:152 Resp: 145612

Ion Ratio Lower Upper

152 100

115 62.4 44.9 134.5

150 156.3 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 29.524 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047640.D

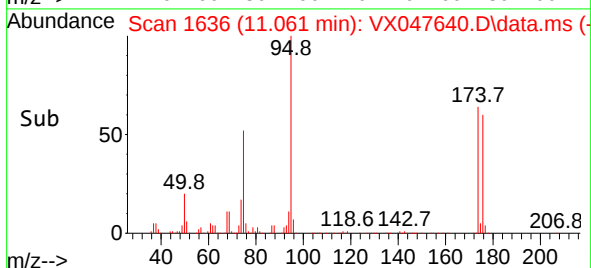
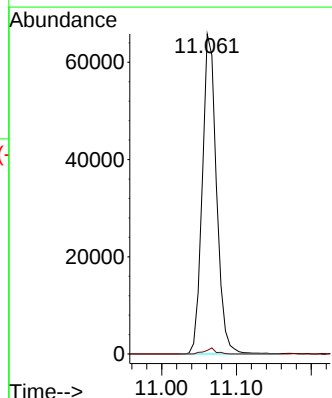
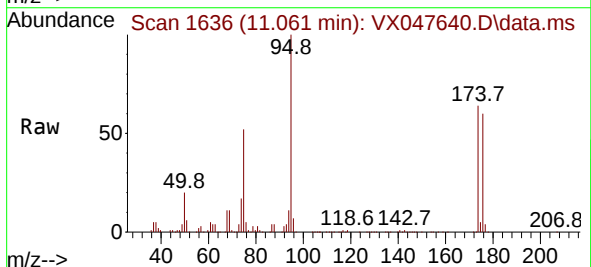
Acq: 18 Sep 2025 15:01

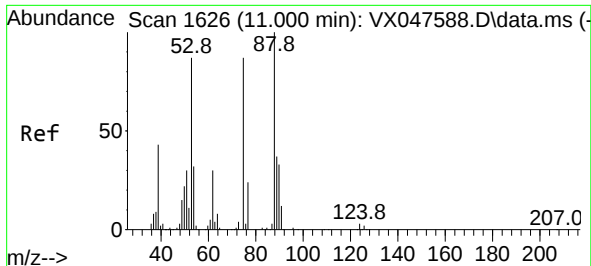
Tgt Ion: 75 Resp: 87041

Ion Ratio Lower Upper

75 100

77 1.4 18.8 56.4#

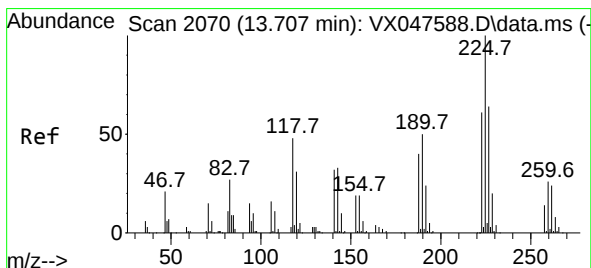
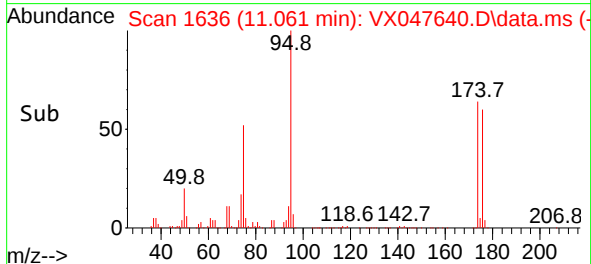
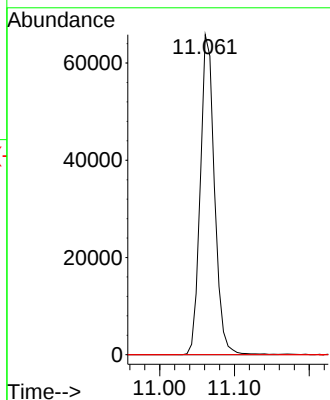
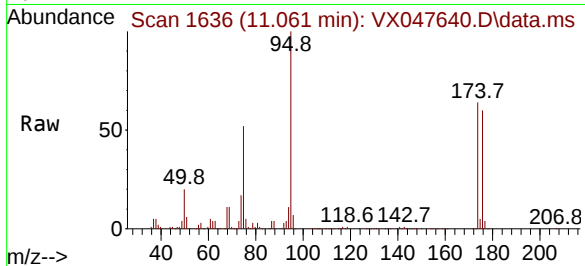




#81
trans-1,4-Dichloro-2-butene
Concen: 75.289 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20250909DL

Tgt Ion: 75 Resp: 87041
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#94
Hexachlorobutadiene
Concen: 0.280 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047640.D
Acq: 18 Sep 2025 15:01

Tgt Ion: 225 Resp: 298
Ion Ratio Lower Upper
225 100
223 55.0 31.7 95.1
227 33.9 32.0 96.0

