

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047743.D
 Acq On : 23 Sep 2025 18:39
 Operator : JC/MD
 Sample : Q3151-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1402

Quant Time: Sep 24 01:38:33 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)

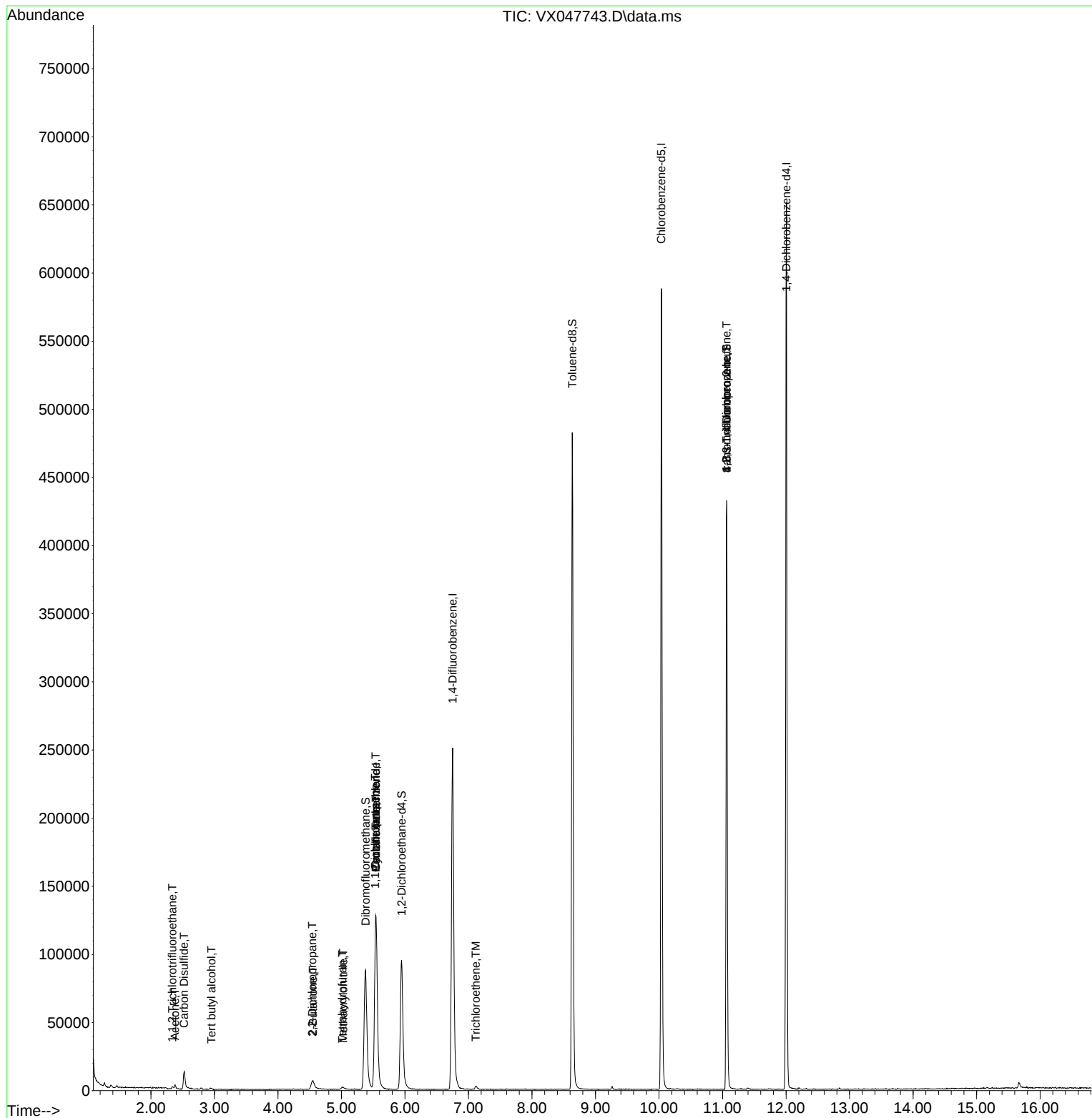
Internal Standards						
1) Pentafluorobenzene	5.544	168	131527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	269092	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	269877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	135495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	102049	48.744	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.480%
35) Dibromofluoromethane	5.379	113	85203	47.212	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.420%
50) Toluene-d8	8.634	98	299724	47.998	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.000%
62) 4-Bromofluorobenzene	11.061	95	126188	53.246	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.500%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	939	0.617	ug/l	91
11) Tert butyl alcohol	2.953	59	379	1.625	ug/l #	72
16) Acetone	2.379	43	3952	4.341	ug/l	95
17) Carbon Disulfide	2.520	76	1092	0.255	ug/l	97
25) 2-Butanone	4.550	43	776	0.683	ug/l #	50
26) 2,2-Dichloropropane	4.538	77	708	0.256	ug/l #	54
29) Tetrahydrofuran	5.013	42	1997	2.924	ug/l #	83
31) Cyclohexane	5.544	56	2881	1.041	ug/l #	7
36) 1,1-Dichloropropene	5.531	75	11336	4.299	ug/l #	49
38) Carbon Tetrachloride	5.537	117	13711	4.785	ug/l #	19
41) Methacrylonitrile	5.025	41	1000	0.686	ug/l #	44
44) Trichloroethene	7.116	130	1168	0.603	ug/l	96
76) 1,2,3-Trichloropropane	11.061	75	65046	23.710	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	65046	60.465	ug/l #	8

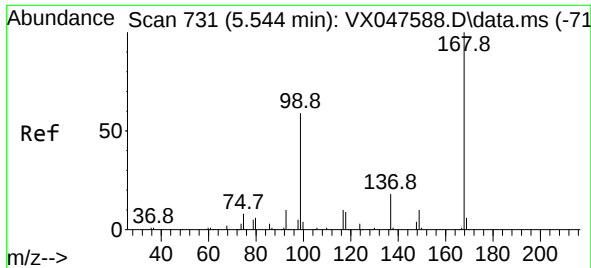
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1402

Quant Time: Sep 24 01:38:33 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

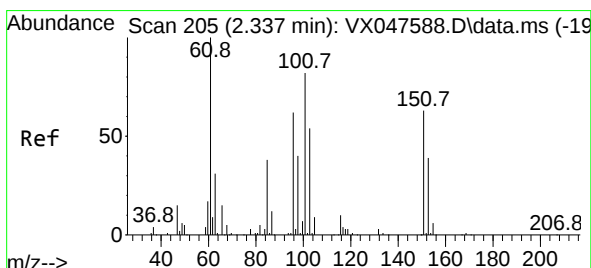
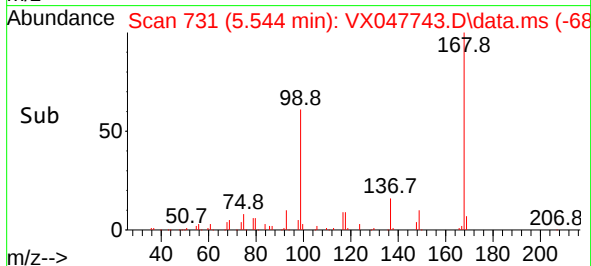
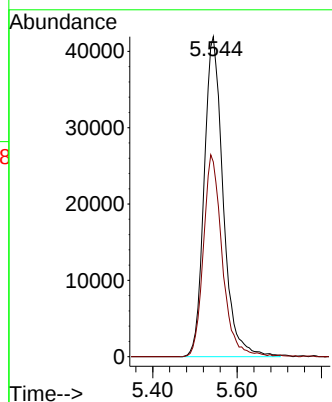
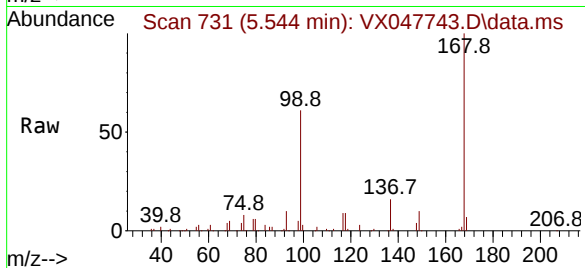




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047743.D
Acq: 23 Sep 2025 18:39

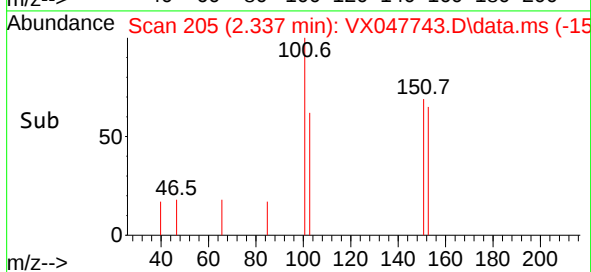
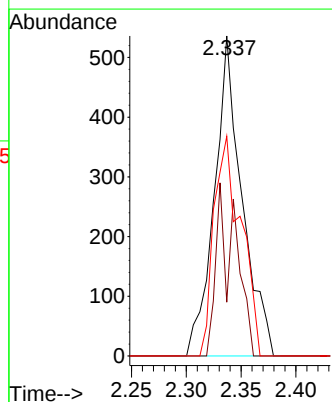
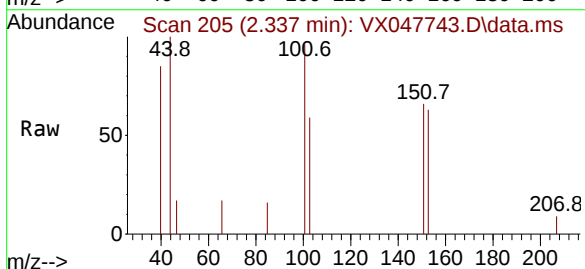
Instrument :
MSVOA_X
ClientSampleId :
1402

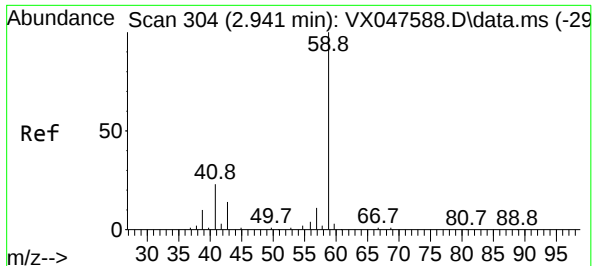
Tgt Ion:168 Resp: 131527
Ion Ratio Lower Upper
168 100
99 60.8 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.617 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047743.D
Acq: 23 Sep 2025 18:39

Tgt Ion:101 Resp: 939
Ion Ratio Lower Upper
101 100
85 37.7 35.5 53.3
151 67.4 59.4 89.0

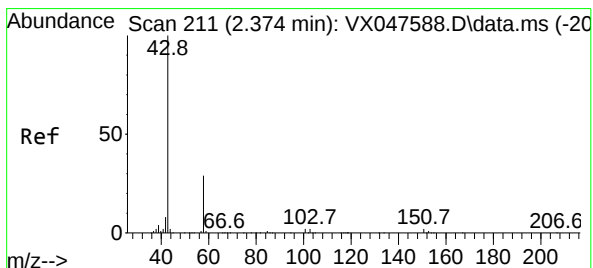
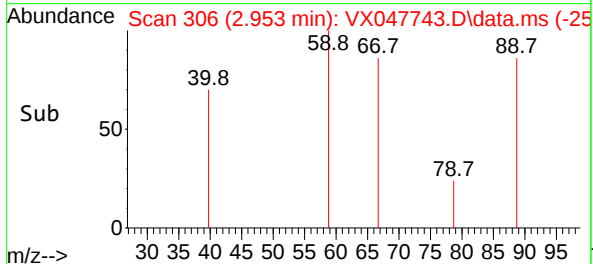
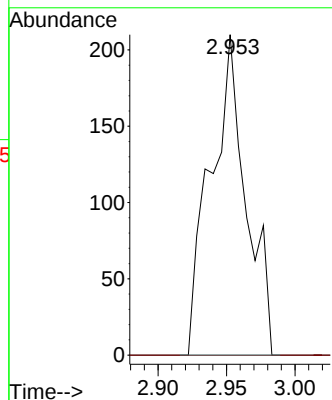
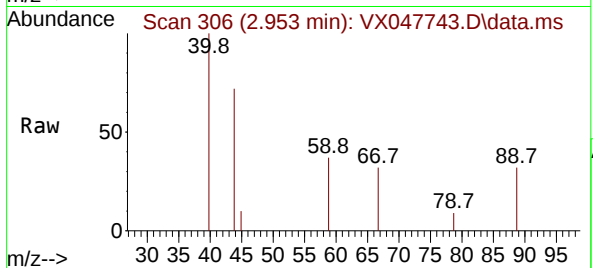




#11
Tert butyl alcohol
Concen: 1.625 ug/l
RT: 2.953 min Scan# 304
Delta R.T. 0.012 min
Lab File: VX047743.D
Acq: 23 Sep 2025 18:39

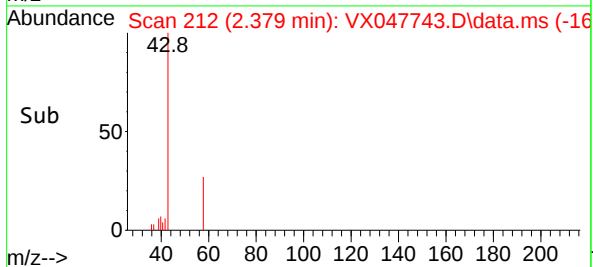
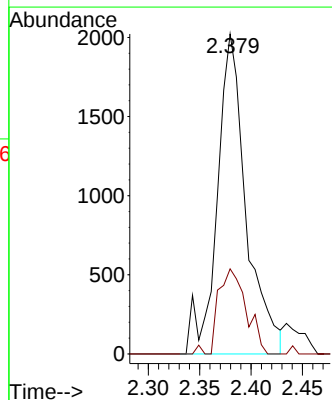
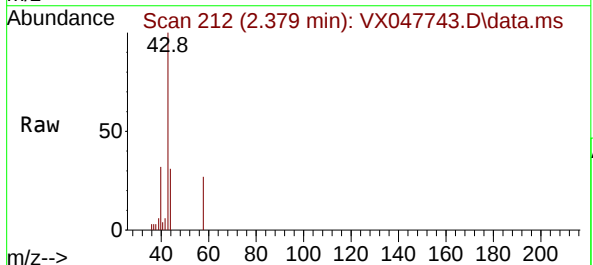
Instrument :
MSVOA_X
ClientSampleId :
1402

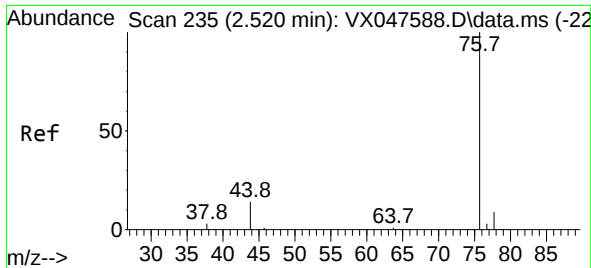
Tgt Ion: 59 Resp: 379
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 4.341 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047743.D
Acq: 23 Sep 2025 18:39

Tgt Ion: 43 Resp: 3952
Ion Ratio Lower Upper
43 100
58 26.6 23.4 35.0

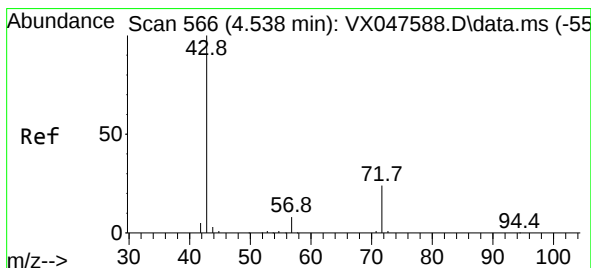
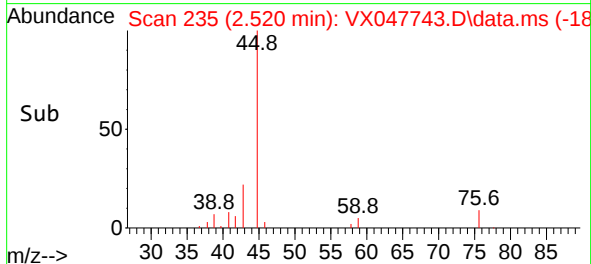
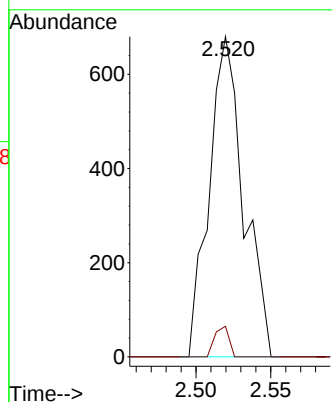
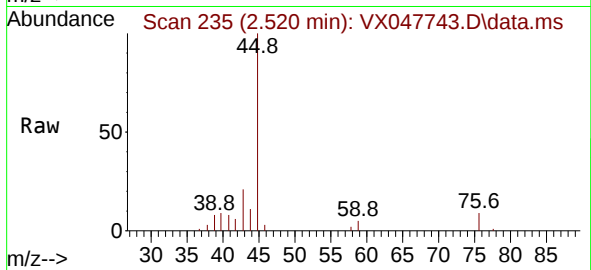




#17
Carbon Disulfide
Concen: 0.255 ug/l
RT: 2.520 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047743.D
Acq: 23 Sep 2025 18:39

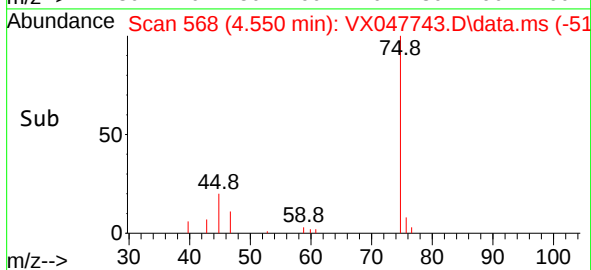
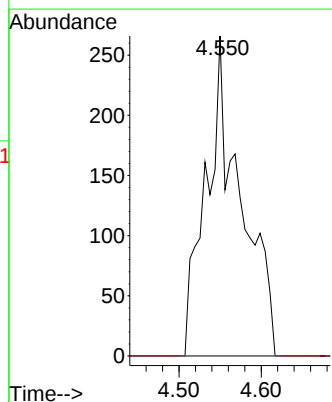
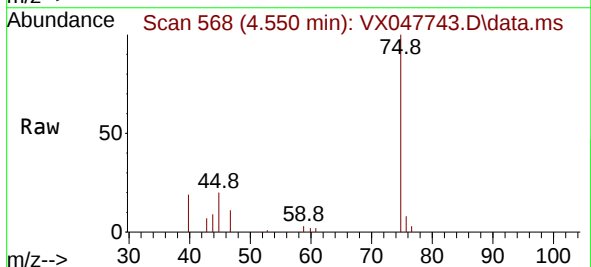
Instrument :
MSVOA_X
ClientSampleId :
1402

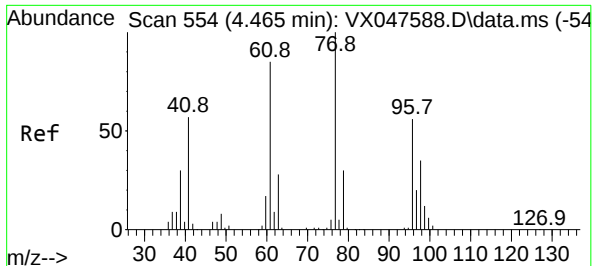
Tgt Ion: 76 Resp: 1092
Ion Ratio Lower Upper
76 100
78 9.6 6.8 10.2



#25
2-Butanone
Concen: 0.683 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX047743.D
Acq: 23 Sep 2025 18:39

Tgt Ion: 43 Resp: 776
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#





#26

2,2-Dichloropropane

Concen: 0.256 ug/l

RT: 4.538 min Scan# 5

Delta R.T. 0.073 min

Lab File: VX047743.D

Acq: 23 Sep 2025 18:39

Instrument :

MSVOA_X

ClientSampleId :

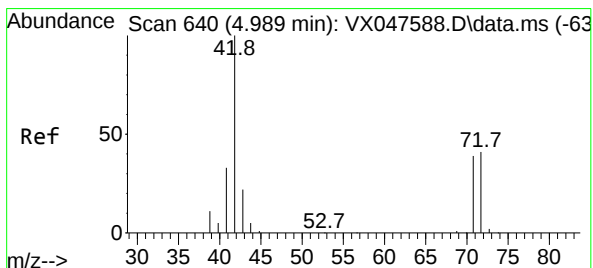
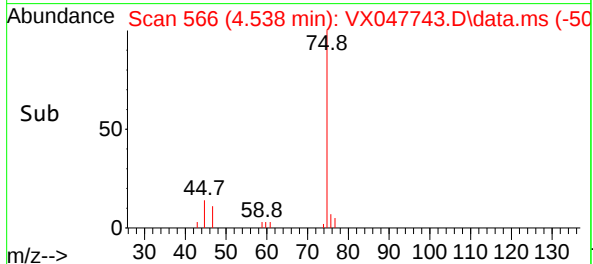
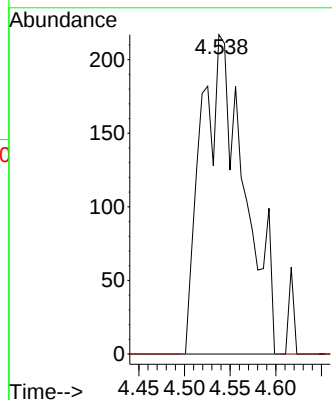
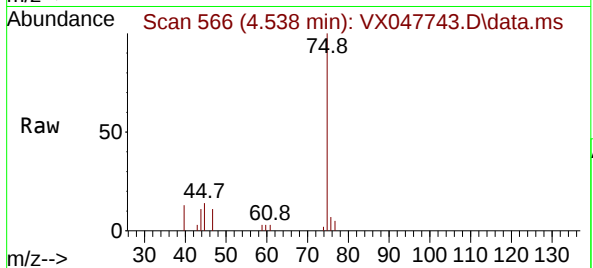
1402

Tgt Ion: 77 Resp: 708

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.7#



#29

Tetrahydrofuran

Concen: 2.924 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.024 min

Lab File: VX047743.D

Acq: 23 Sep 2025 18:39

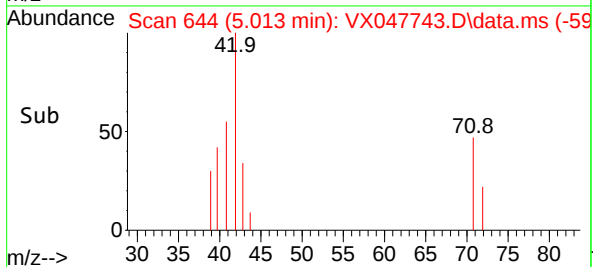
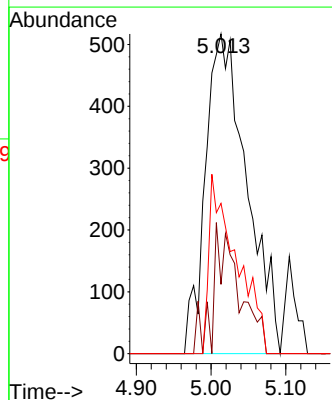
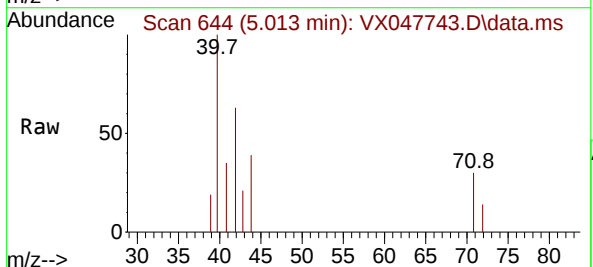
Tgt Ion: 42 Resp: 1997

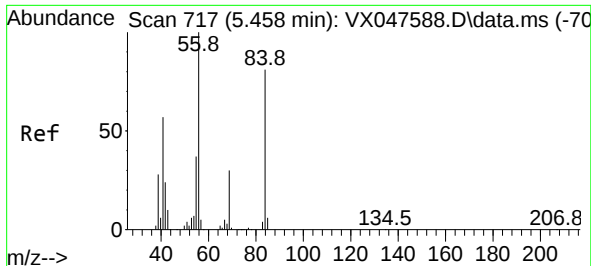
Ion Ratio Lower Upper

42 100

72 24.1 34.2 51.2#

71 37.1 31.9 47.9

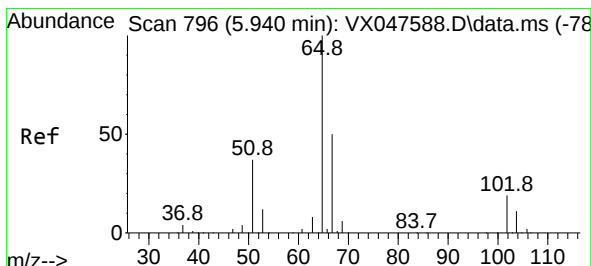
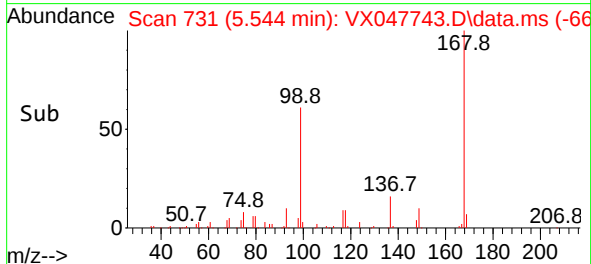
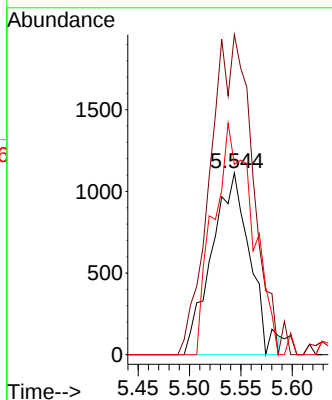
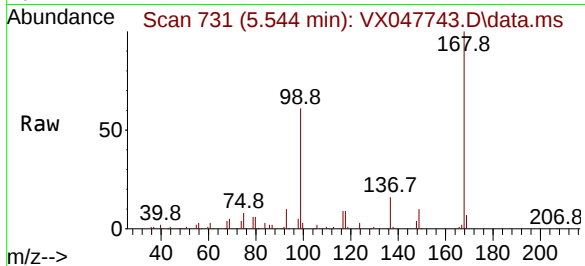




#31
Cyclohexane
Concen: 1.041 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX047743.D
Acq: 23 Sep 2025 18:39

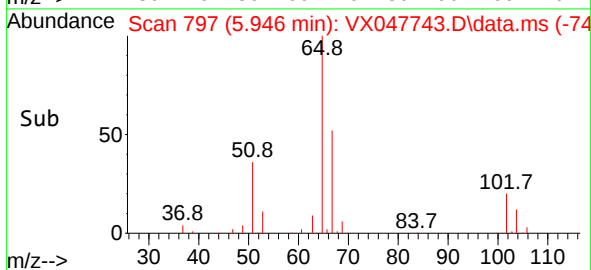
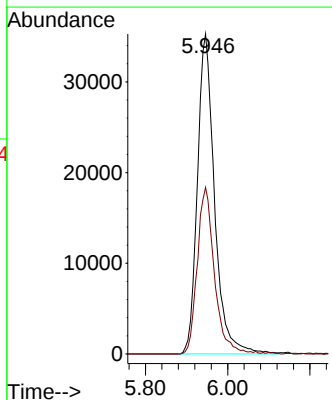
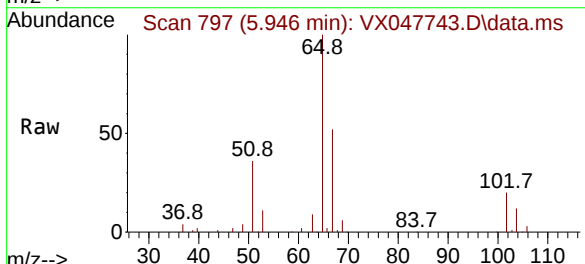
Instrument :
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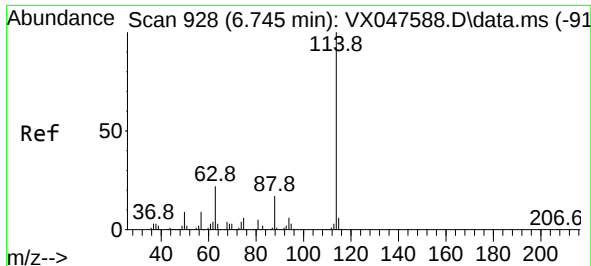
Tgt Ion: 56 Resp: 2881
Ion Ratio Lower Upper
56 100
69 176.1 23.8 35.8#
84 104.7 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 48.744 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047743.D
Acq: 23 Sep 2025 18:39

Tgt Ion: 65 Resp: 102049
Ion Ratio Lower Upper
65 100
67 52.1 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: VX047743.D

Acq: 23 Sep 2025 18:39

Instrument :

MSVOA_X

ClientSampleId :

1402

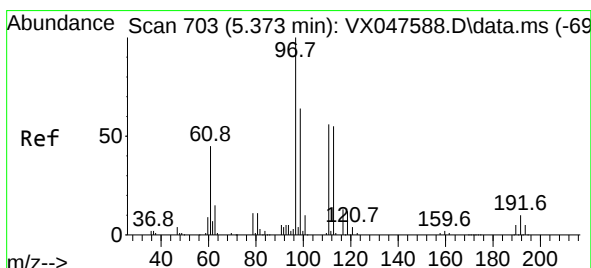
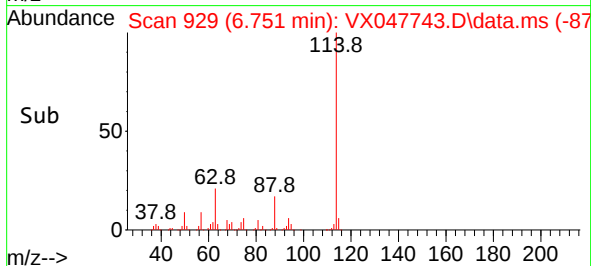
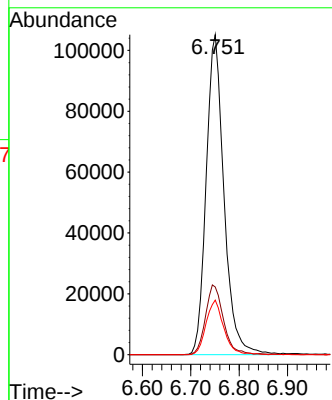
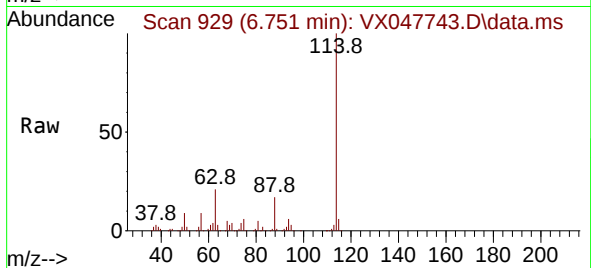
Tgt Ion:114 Resp: 269092

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.0

88 17.1 0.0 34.2



#35

Dibromofluoromethane

Concen: 47.212 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX047743.D

Acq: 23 Sep 2025 18:39

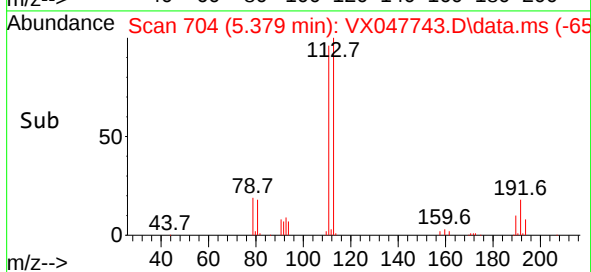
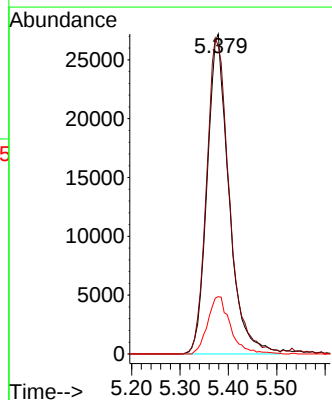
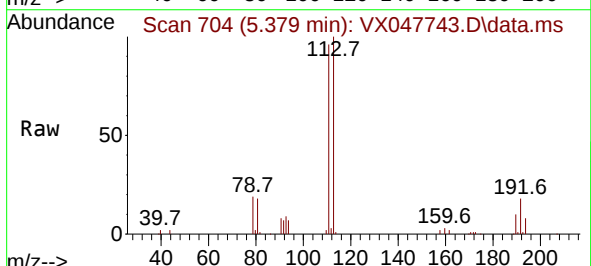
Tgt Ion:113 Resp: 85203

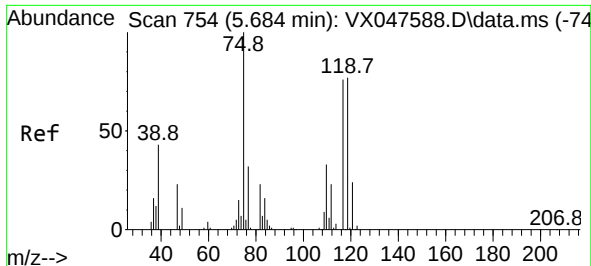
Ion Ratio Lower Upper

113 100

111 103.4 80.9 121.3

192 18.7 14.2 21.4

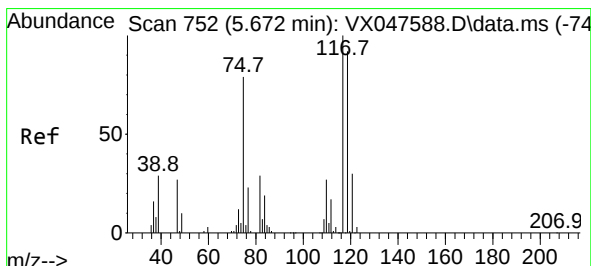
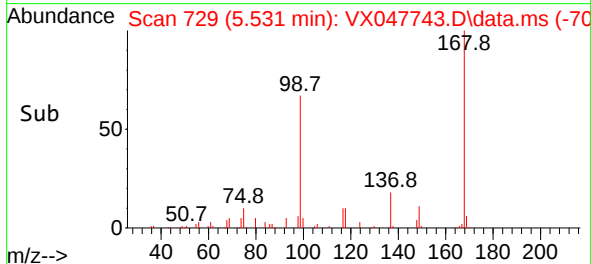
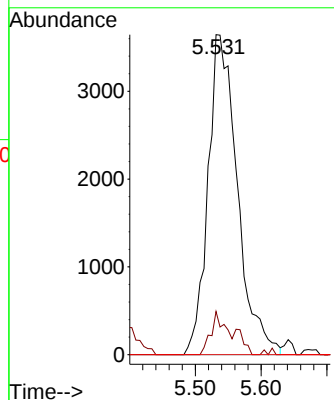
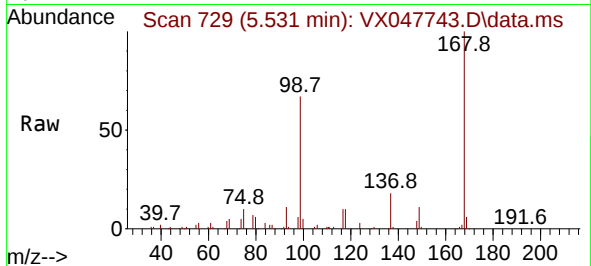




#36
1,1-Dichloropropene
Concen: 4.299 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.153 min
Lab File: VX047743.D
Acq: 23 Sep 2025 18:39

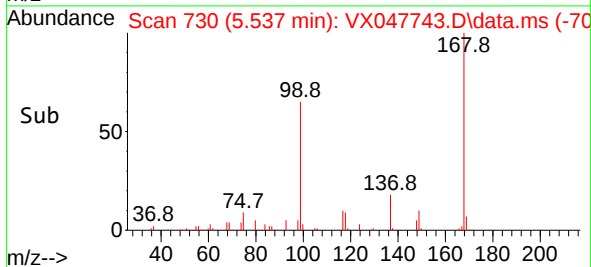
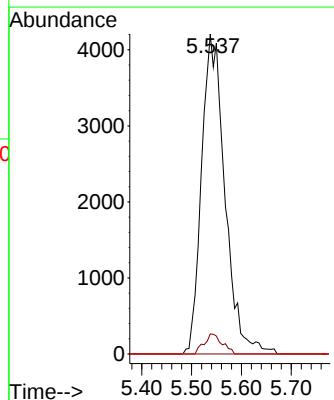
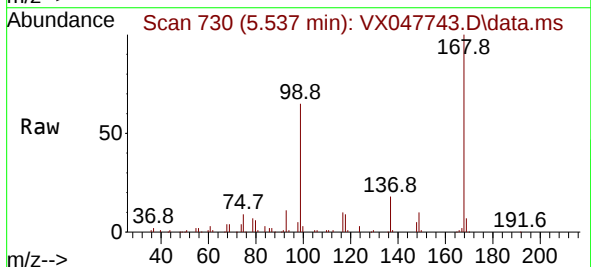
Instrument :
MSVOA_X
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1402

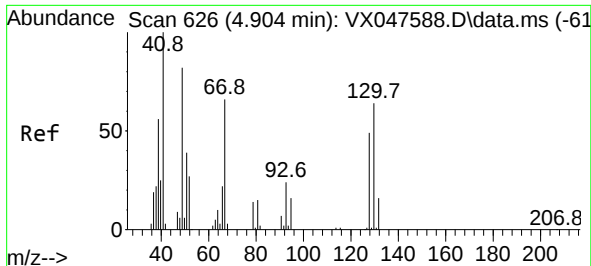
Tgt Ion: 75 Resp: 11336
Ion Ratio Lower Upper
75 100
110 6.9 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.785 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX047743.D
Acq: 23 Sep 2025 18:39

Tgt Ion: 117 Resp: 13711
Ion Ratio Lower Upper
117 100
119 6.2 73.4 110.2#
121 0.0 23.8 35.6#

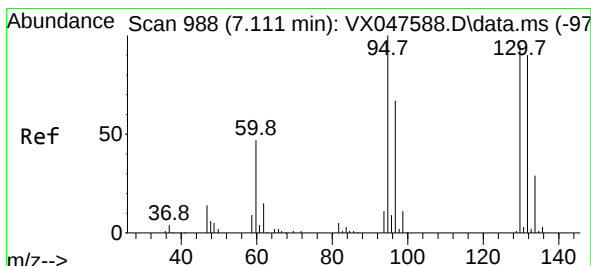
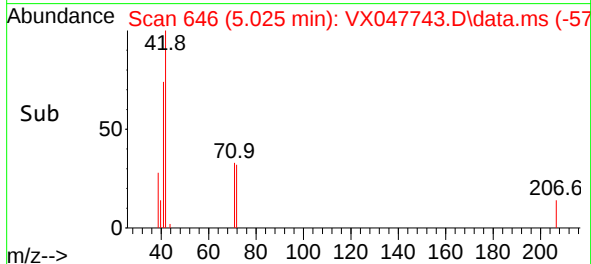
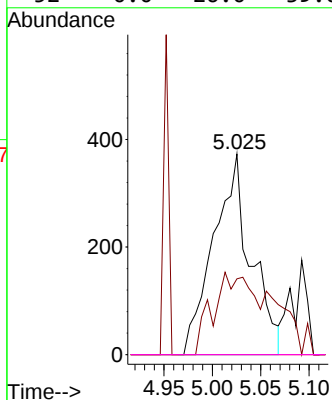
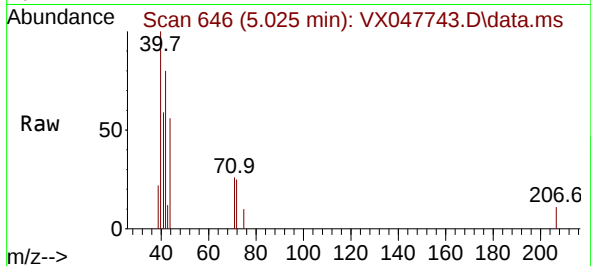




#41
Methacrylonitrile
Concen: 0.686 ug/l
RT: 5.025 min Scan# 641
Delta R.T. 0.122 min
Lab File: VX047743.D
Acq: 23 Sep 2025 18:39

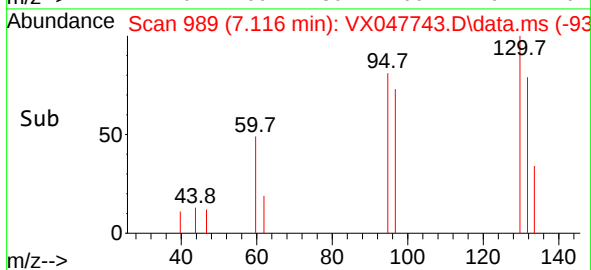
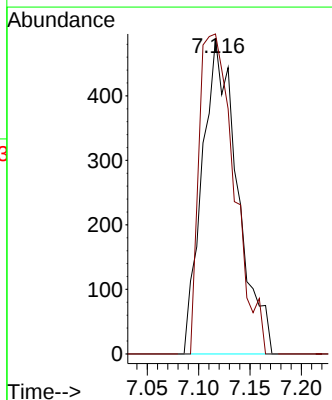
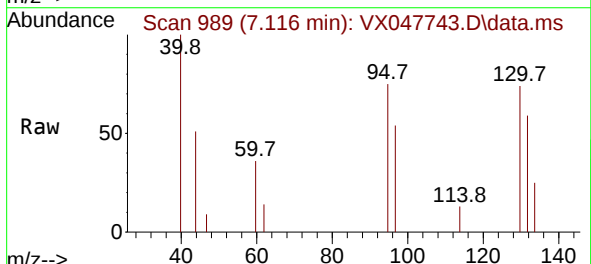
Instrument :
MSVOA_X
ClientSampleId :
1402

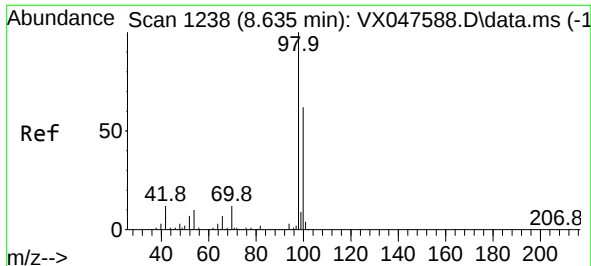
Tgt Ion:	41	Resp:	1000
Ion	Ratio	Lower	Upper
41	100		
39	44.1	43.3	64.9
67	0.0	58.6	87.8#
52	0.0	26.0	39.0#



#44
Trichloroethene
Concen: 0.603 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047743.D
Acq: 23 Sep 2025 18:39

Tgt Ion:	130	Resp:	1168
Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	210.8

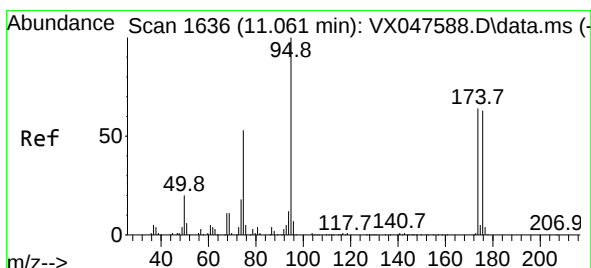
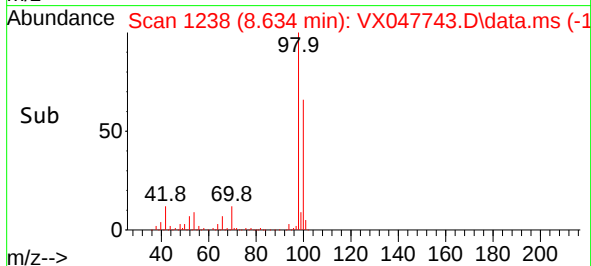
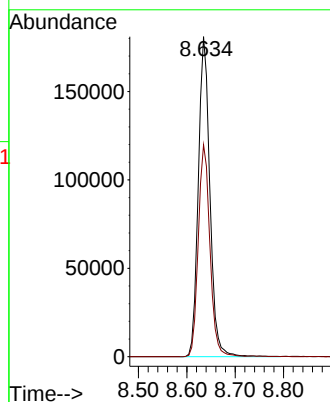
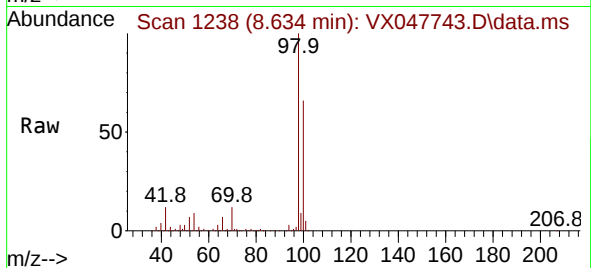




#50
Toluene-d8
Concen: 47.998 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047743.D
Acq: 23 Sep 2025 18:39

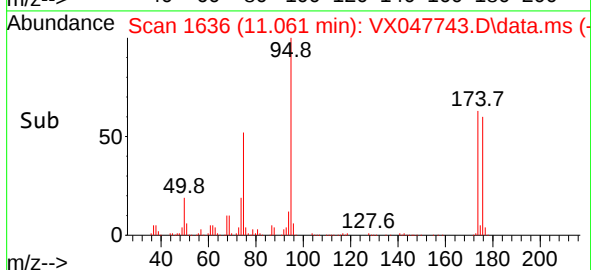
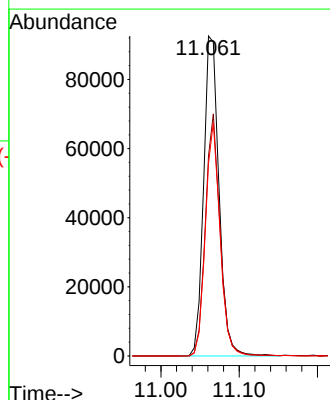
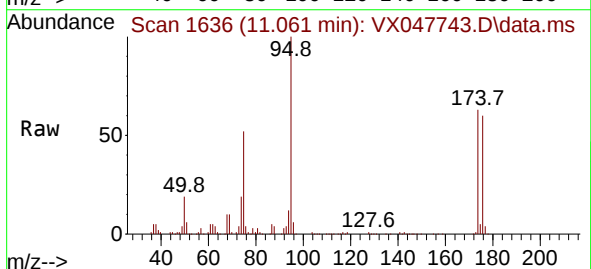
Instrument :
MSVOA_X
ClientSampleId :
1402

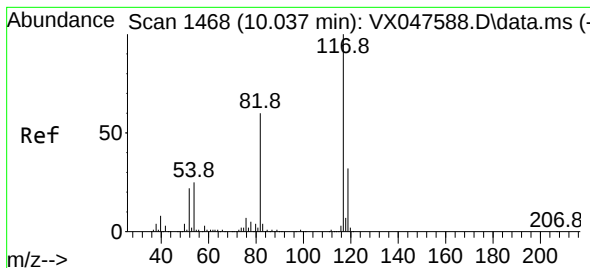
Tgt Ion: 98 Resp: 299724
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 53.246 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047743.D
Acq: 23 Sep 2025 18:39

Tgt Ion: 95 Resp: 126188
Ion Ratio Lower Upper
95 100
174 72.1 0.0 141.6
176 69.2 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: VX047743.D

Acq: 23 Sep 2025 18:39

Instrument :

MSVOA_X

ClientSampleId :

1402

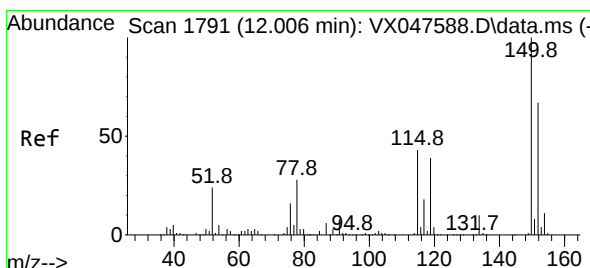
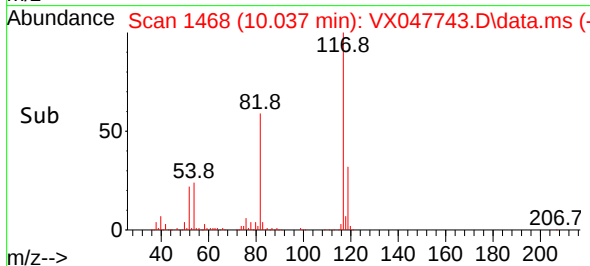
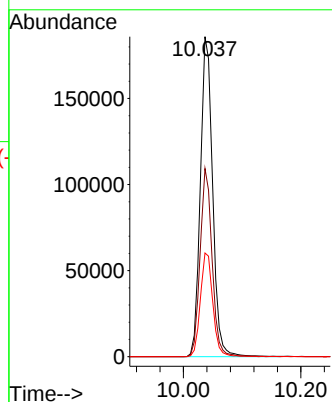
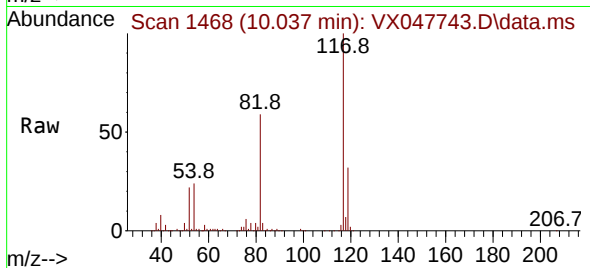
Tgt Ion:117 Resp: 269877

Ion Ratio Lower Upper

117 100

82 58.8 47.8 71.6

119 32.4 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047743.D

Acq: 23 Sep 2025 18:39

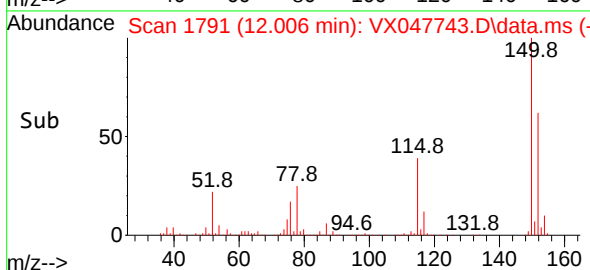
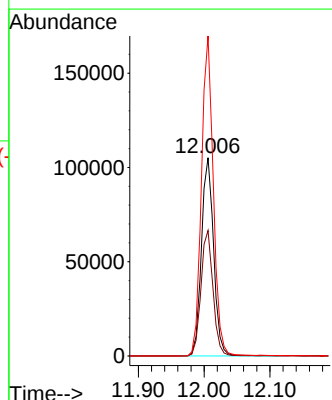
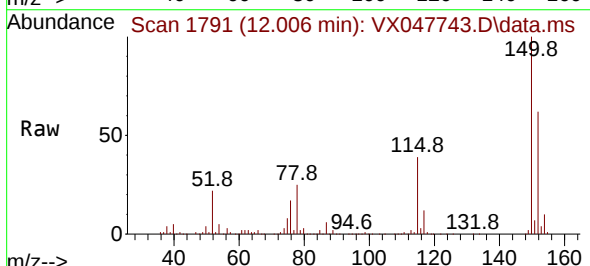
Tgt Ion:152 Resp: 135495

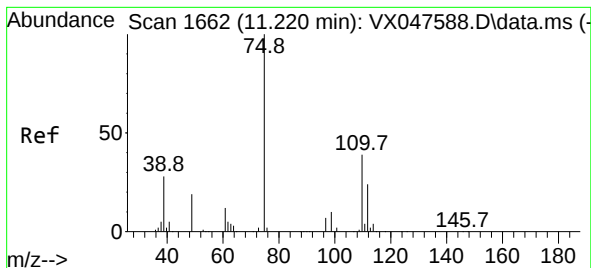
Ion Ratio Lower Upper

152 100

115 62.6 44.9 134.5

150 157.2 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 23.710 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047743.D

Acq: 23 Sep 2025 18:39

Instrument :

MSVOA_X

ClientSampleId :

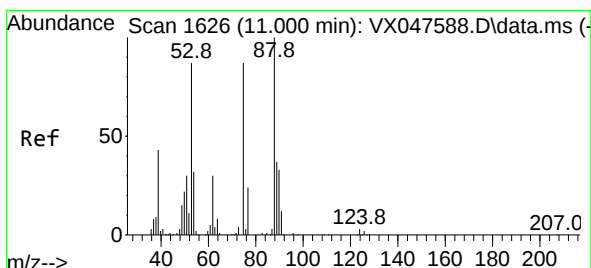
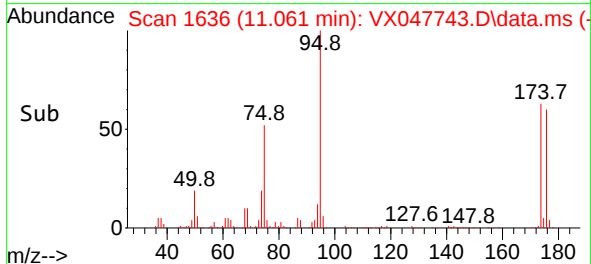
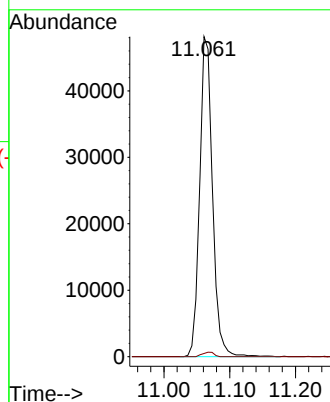
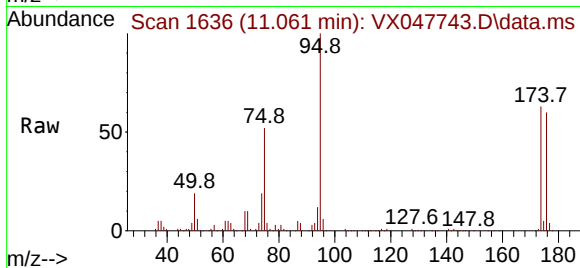
1402

Tgt Ion: 75 Resp: 65046

Ion Ratio Lower Upper

75 100

77 1.3 18.8 56.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.465 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX047743.D

Acq: 23 Sep 2025 18:39

Tgt Ion: 75 Resp: 65046

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 36.3 54.5#

