

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100625\
 Data File : VX048031.D
 Acq On : 06 Oct 2025 17:35
 Operator : JC/MD
 Sample : Q3202-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SY-3D

Quant Time: Oct 07 02:20:12 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	124280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	255750	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	273710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139753	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	112472	56.855	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.720%
35) Dibromofluoromethane	5.373	113	90381	52.694	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.380%
50) Toluene-d8	8.635	98	297038	50.049	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.100%
62) 4-Bromofluorobenzene	11.067	95	129057	57.297	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.600%

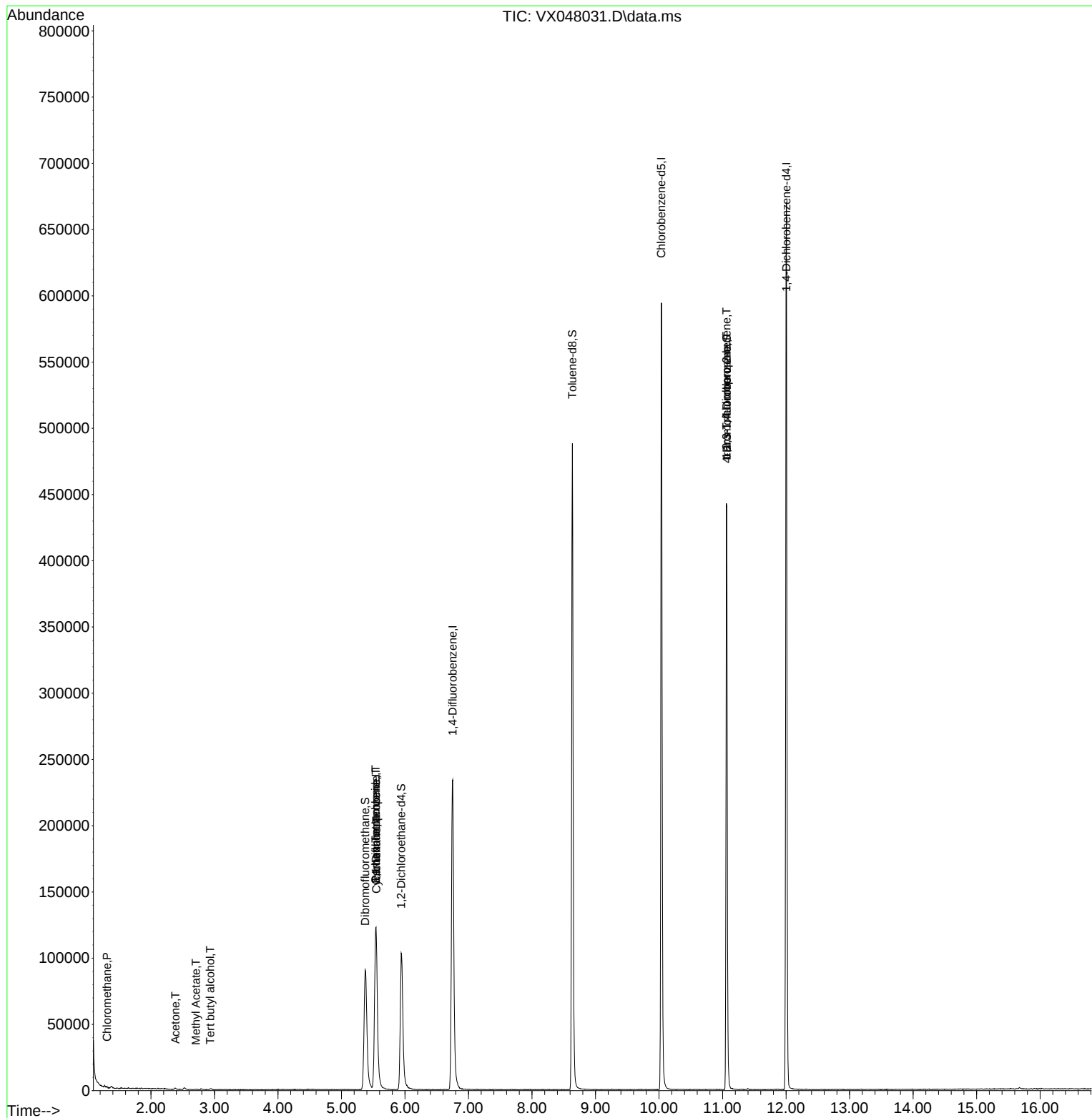
Target Compounds					Qvalue	
3) Chloromethane	1.307	50	635	0.375	ug/l #	88
11) Tert butyl alcohol	2.934	59	211	0.958	ug/l #	72
16) Acetone	2.386	43	1695	1.971	ug/l #	69
18) Methyl Acetate	2.709	43	488	0.255	ug/l #	86
31) Cyclohexane	5.550	56	3014	1.153	ug/l #	2
36) 1,1-Dichloropropene	5.544	75	10298	4.109	ug/l #	51
38) Carbon Tetrachloride	5.538	117	13762	5.054	ug/l #	18
76) 1,2,3-Trichloropropane	11.061	75	68941	24.365	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	68941	62.133	ug/l #	8

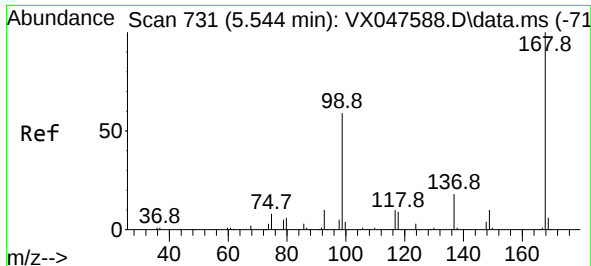
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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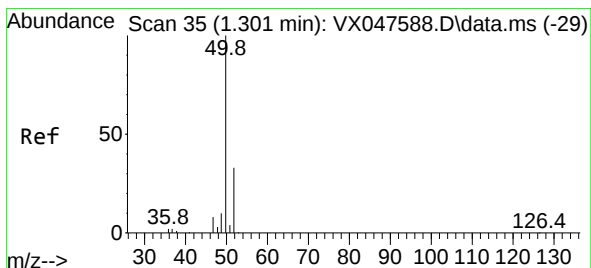
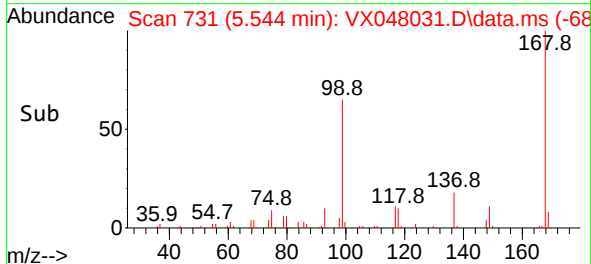
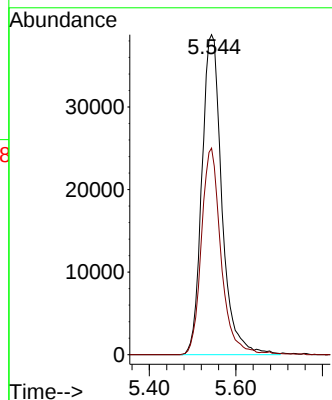
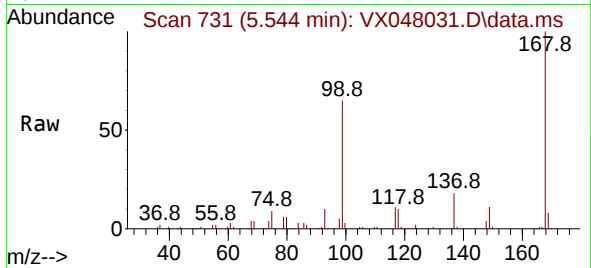




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048031.D
Acq: 06 Oct 2025 17:35

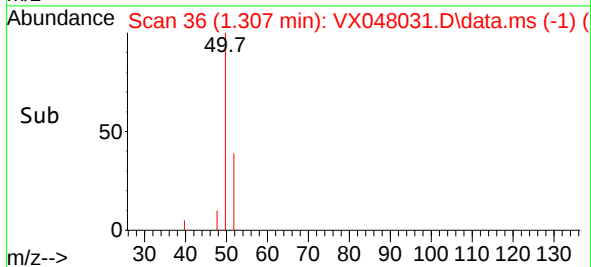
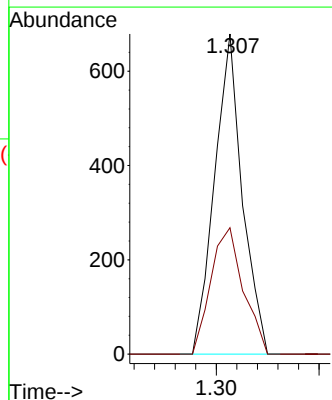
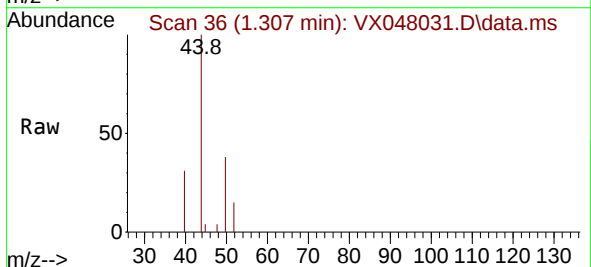
Instrument :
MSVOA_X
ClientSampleId :
SY-3D

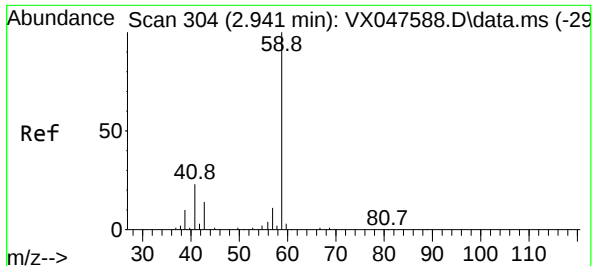
Tgt Ion:168 Resp: 124280
Ion Ratio Lower Upper
168 100
99 64.6 48.8 73.2



#3
Chloromethane
Concen: 0.375 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX048031.D
Acq: 06 Oct 2025 17:35

Tgt Ion: 50 Resp: 635
Ion Ratio Lower Upper
50 100
52 39.5 26.1 39.1#

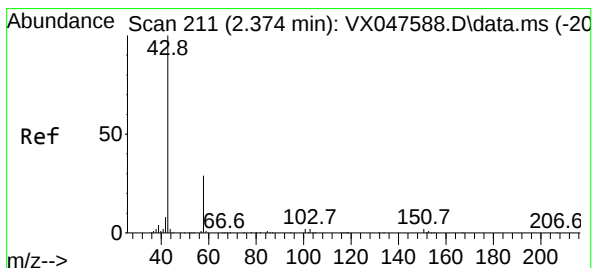
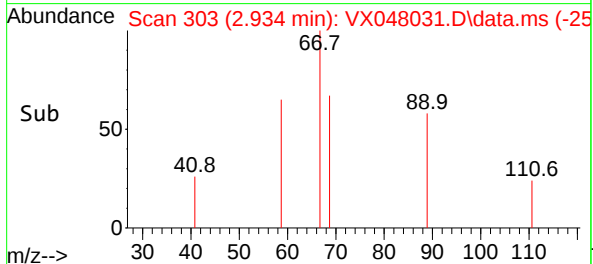
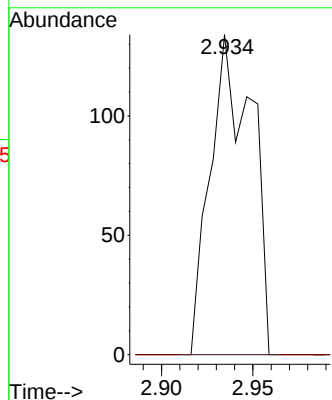
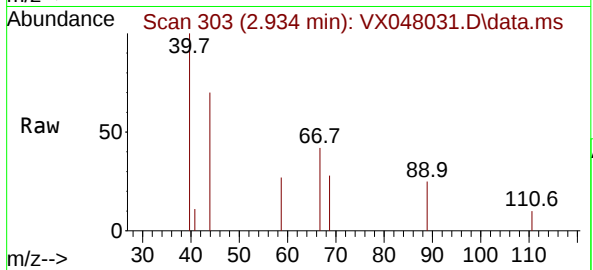




#11
Tert butyl alcohol
Concen: 0.958 ug/l
RT: 2.934 min Scan# 304
Delta R.T. -0.006 min
Lab File: VX048031.D
Acq: 06 Oct 2025 17:35

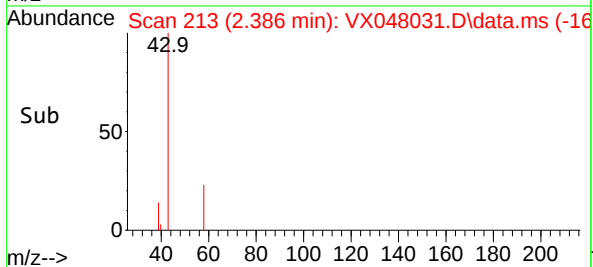
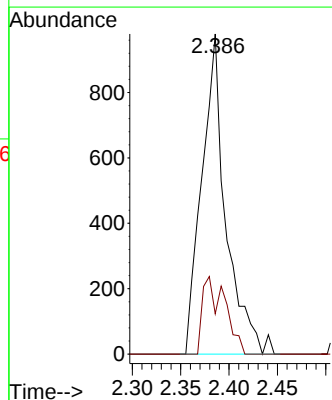
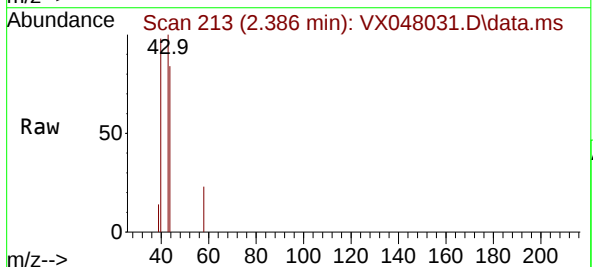
Instrument :
MSVOA_X
ClientSampleId :
SY-3D

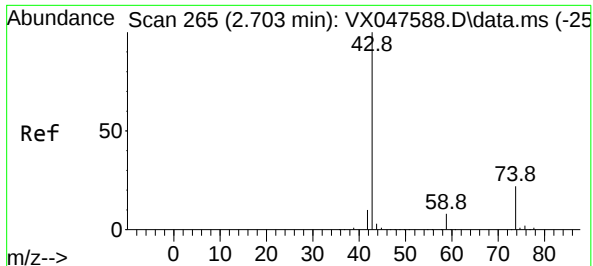
Tgt Ion: 59 Resp: 211
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.971 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX048031.D
Acq: 06 Oct 2025 17:35

Tgt Ion: 43 Resp: 1695
Ion Ratio Lower Upper
43 100
58 12.6 23.4 35.0#

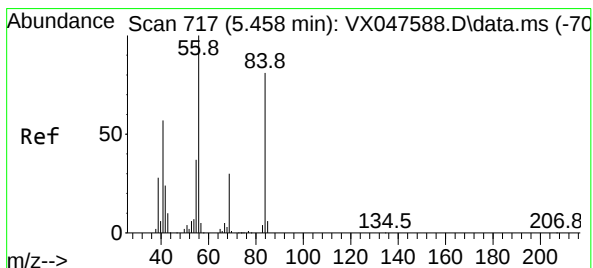
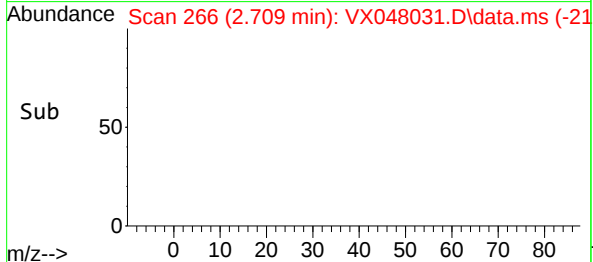
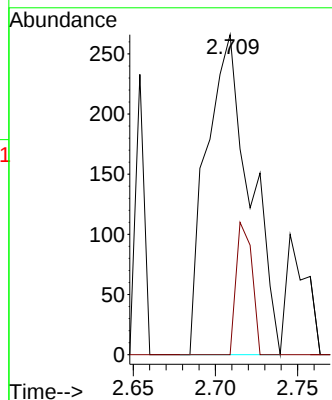
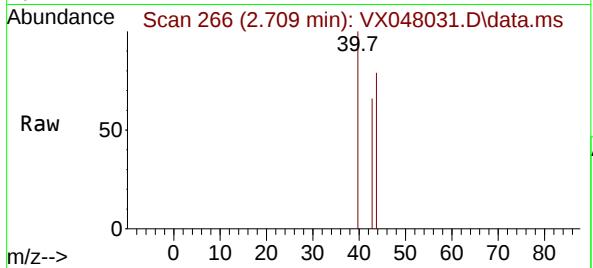




#18
Methyl Acetate
Concen: 0.255 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048031.D
Acq: 06 Oct 2025 17:35

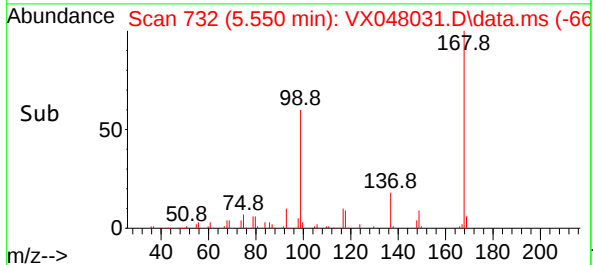
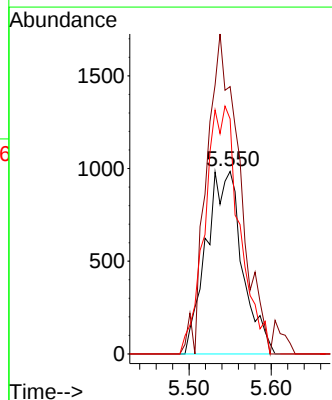
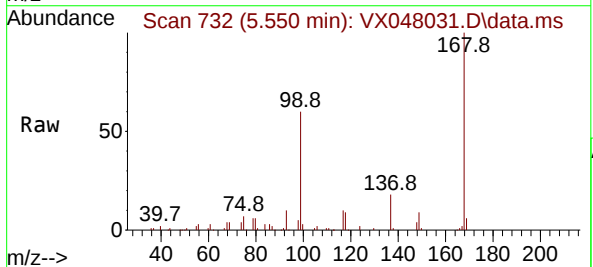
Instrument :
MSVOA_X
ClientSampleId :
SY-3D

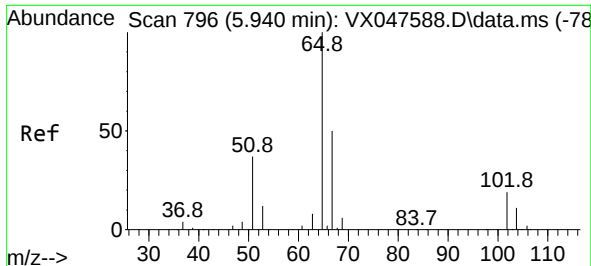
Tgt Ion: 43 Resp: 488
Ion Ratio Lower Upper
43 100
74 15.2 17.4 26.2#



#31
Cyclohexane
Concen: 1.153 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.091 min
Lab File: VX048031.D
Acq: 06 Oct 2025 17:35

Tgt Ion: 56 Resp: 3014
Ion Ratio Lower Upper
56 100
69 146.4 23.8 35.8#
84 128.7 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 56.855 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048031.D

Acq: 06 Oct 2025 17:35

Instrument :

MSVOA_X

ClientSampleId :

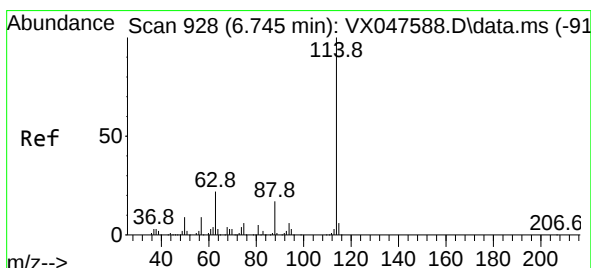
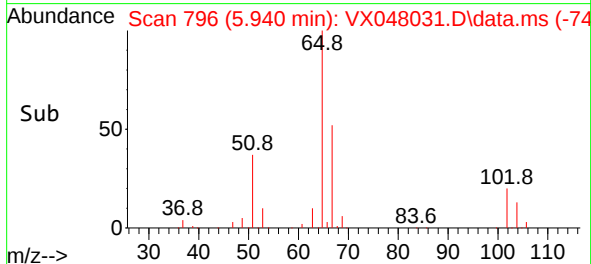
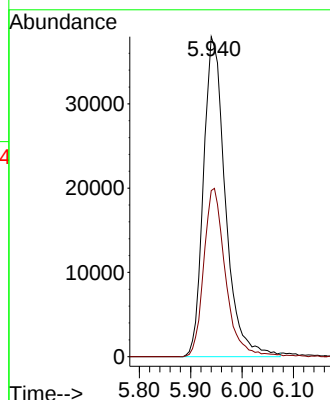
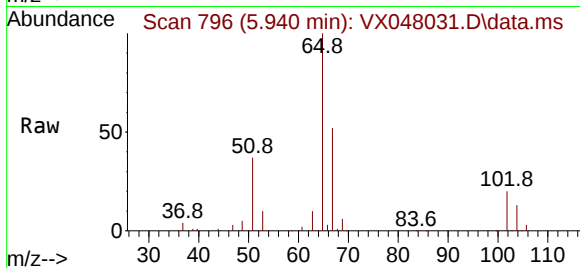
SY-3D

Tgt Ion: 65 Resp: 112472

Ion Ratio Lower Upper

65 100

67 52.3 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: VX048031.D

Acq: 06 Oct 2025 17:35

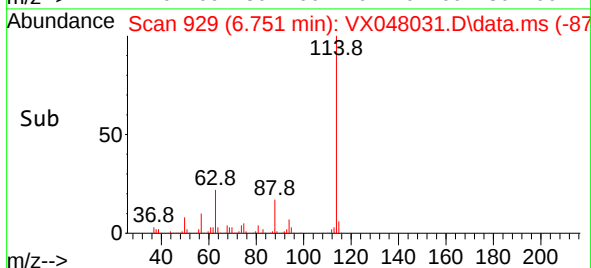
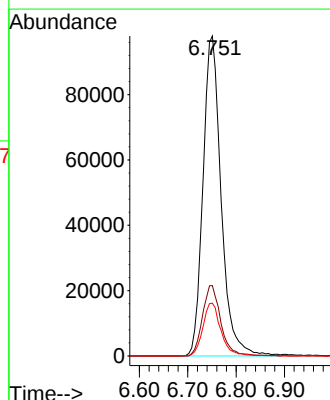
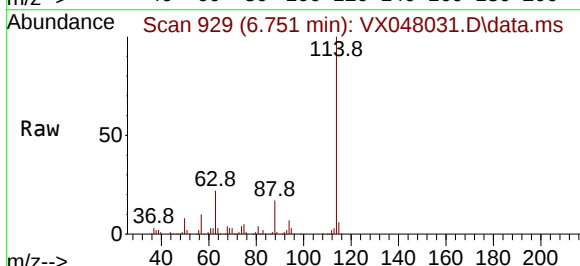
Tgt Ion: 114 Resp: 255750

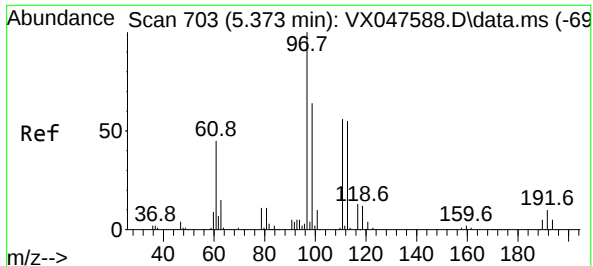
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 16.5 0.0 34.2

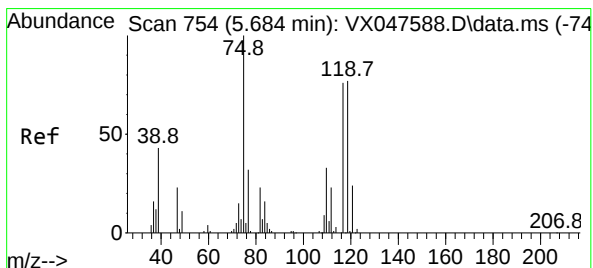
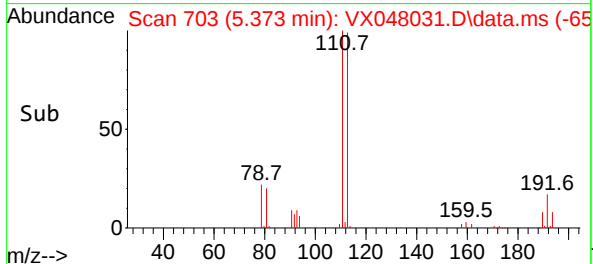
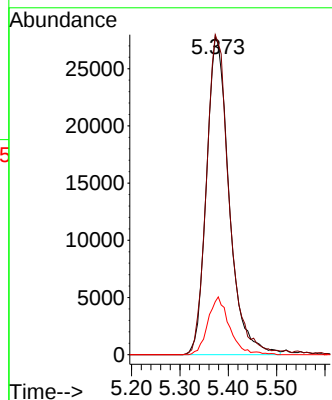
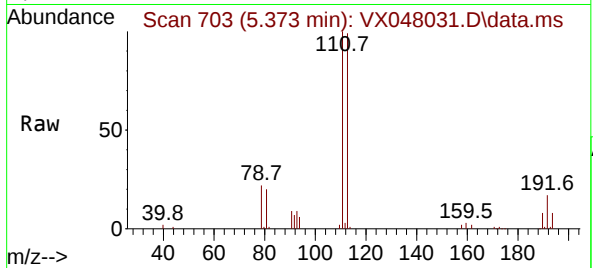




#35
Dibromofluoromethane
Concen: 52.694 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048031.D
Acq: 06 Oct 2025 17:35

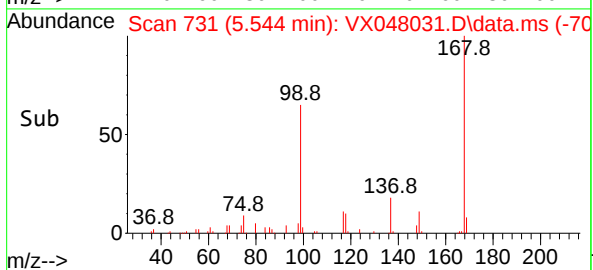
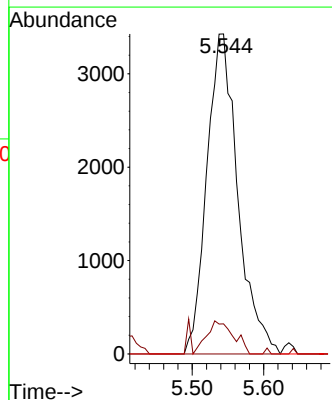
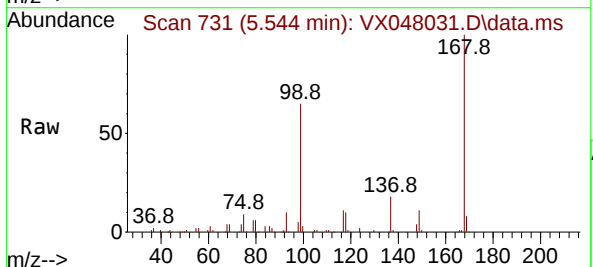
Instrument :
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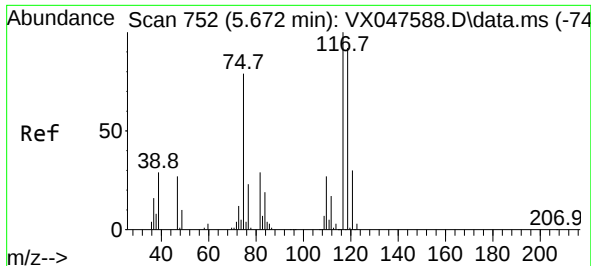
Tgt Ion:113 Resp: 90381
Ion Ratio Lower Upper
113 100
111 101.4 80.9 121.3
192 17.4 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.109 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX048031.D
Acq: 06 Oct 2025 17:35

Tgt Ion: 75 Resp: 10298
Ion Ratio Lower Upper
75 100
110 8.7 16.7 50.1#
77 0.0 24.3 36.5#

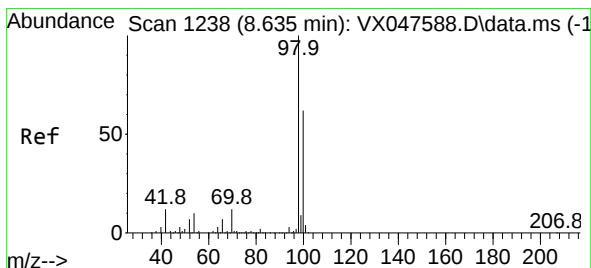
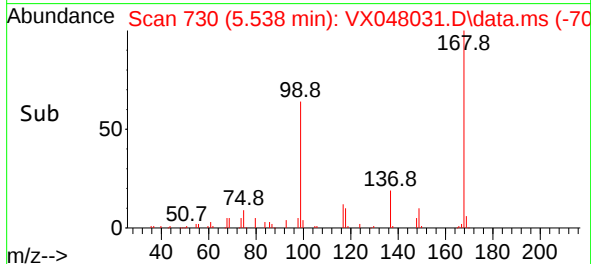
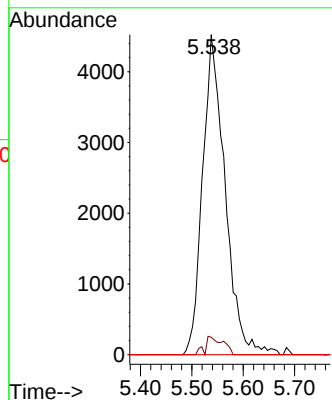
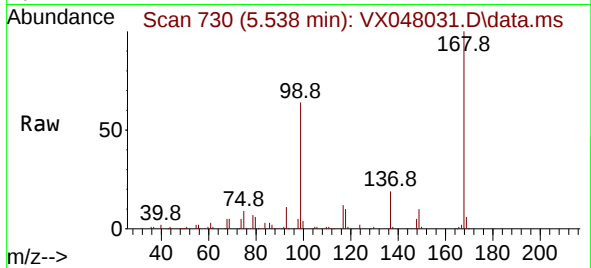




#38
Carbon Tetrachloride
Concen: 5.054 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX048031.D
Acq: 06 Oct 2025 17:35

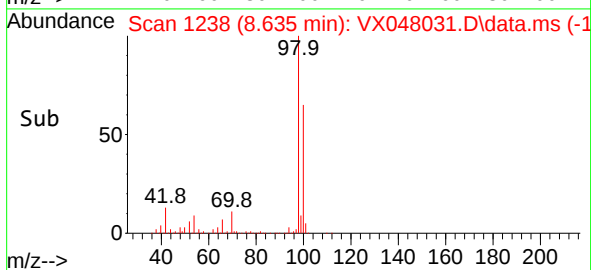
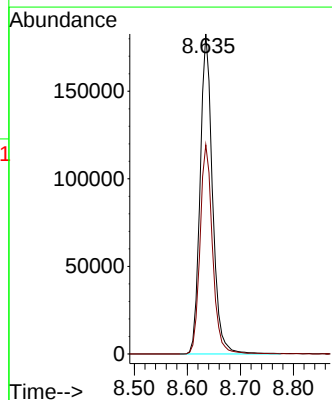
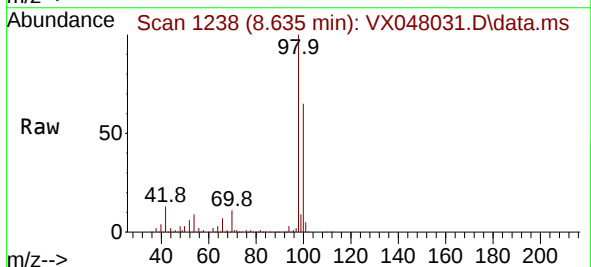
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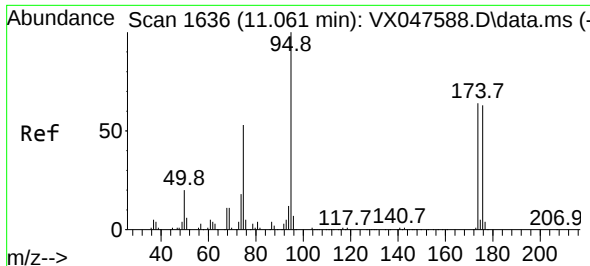
Tgt Ion:117 Resp: 13762
Ion Ratio Lower Upper
117 100
119 5.4 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 50.049 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048031.D
Acq: 06 Oct 2025 17:35

Tgt Ion: 98 Resp: 297038
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4

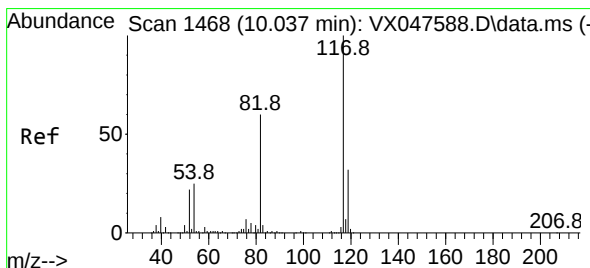
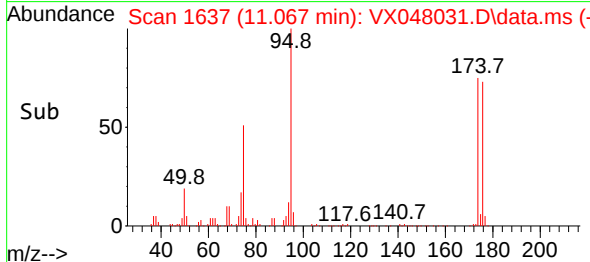
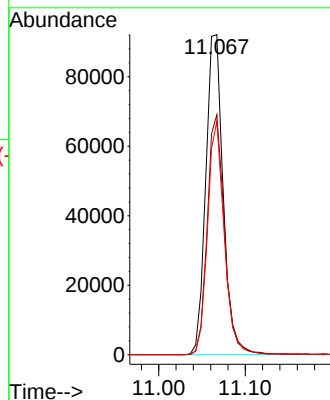
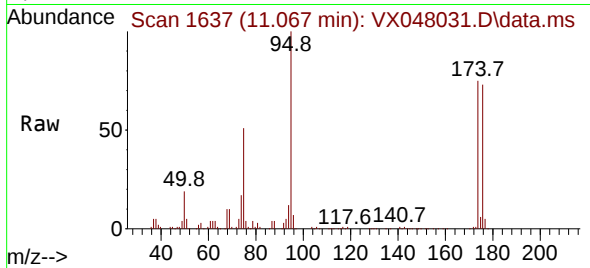




#62
4-Bromofluorobenzene
Concen: 57.297 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048031.D
Acq: 06 Oct 2025 17:35

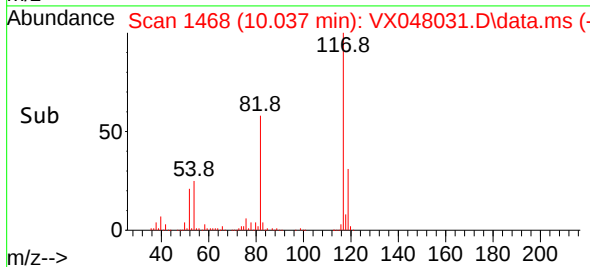
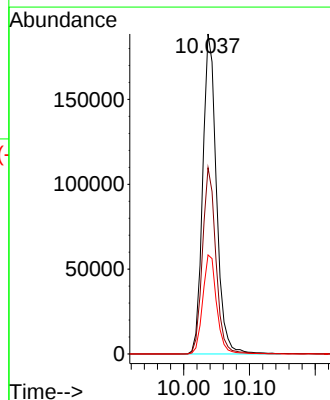
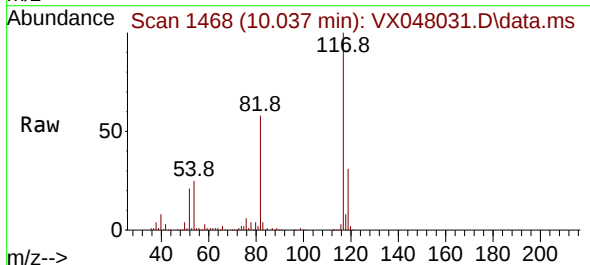
Instrument :
MSVOA_X
ClientSampleId :
SY-3D

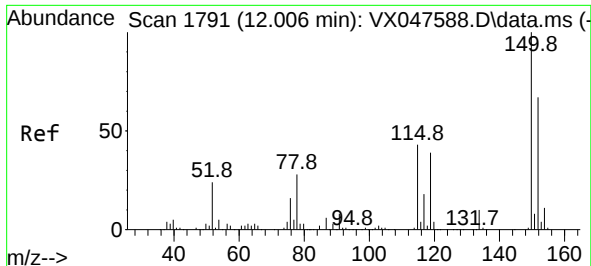
Tgt Ion: 95 Resp: 129057
Ion Ratio Lower Upper
95 100
174 74.1 0.0 141.6
176 70.1 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048031.D
Acq: 06 Oct 2025 17:35

Tgt Ion: 117 Resp: 273710
Ion Ratio Lower Upper
117 100
82 58.2 47.8 71.6
119 31.0 25.2 37.8

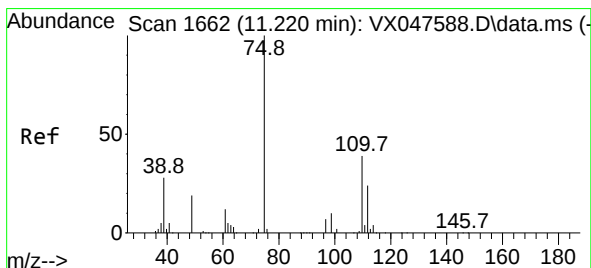
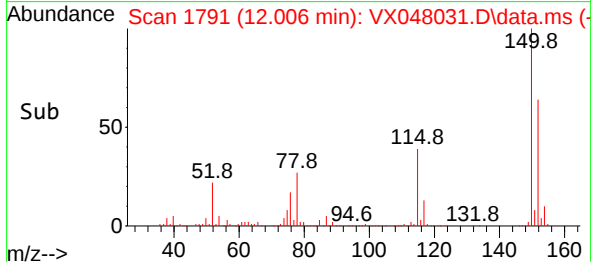
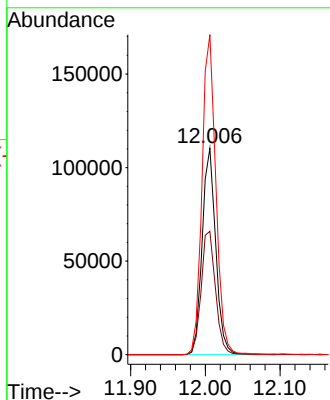
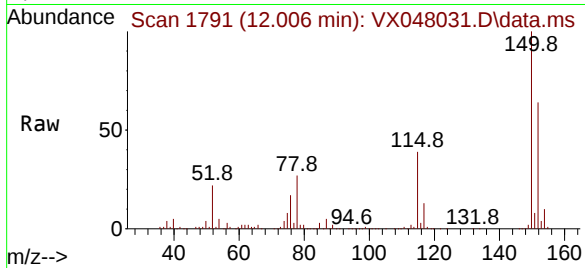




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048031.D
 Acq: 06 Oct 2025 17:35

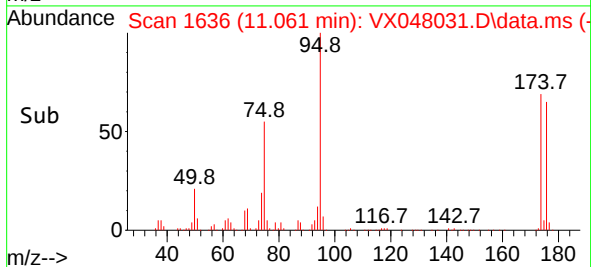
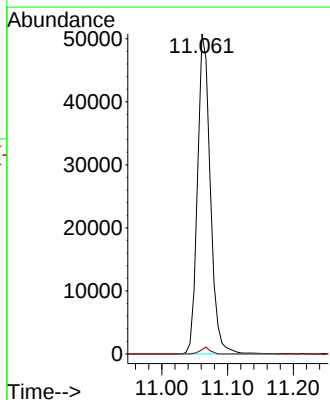
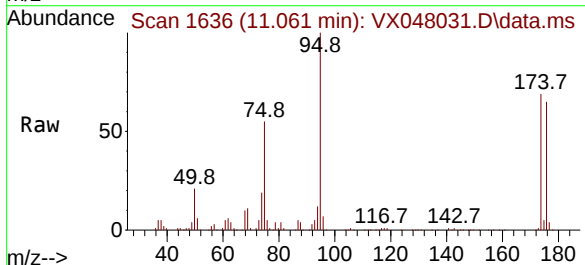
Instrument :
 MSVOA_X
 ClientSampleId :
 SY-3D

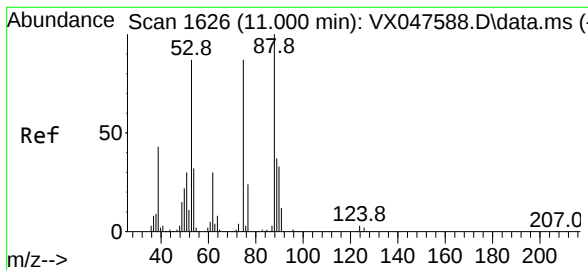
Tgt Ion:152 Resp: 139753
 Ion Ratio Lower Upper
 152 100
 115 63.0 44.9 134.5
 150 157.4 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.365 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048031.D
 Acq: 06 Oct 2025 17:35

Tgt Ion: 75 Resp: 68941
 Ion Ratio Lower Upper
 75 100
 77 1.6 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.133 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048031.D
 Acq: 06 Oct 2025 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 SY-3D

Tgt Ion: 75 Resp: 68941
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

