

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047675.D
 Acq On : 19 Sep 2025 14:55
 Operator : JC/MD
 Sample : Q3097-26
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 00:32:50 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	173416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	314821	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	282914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	138256	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	137849	49.939	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.880%
35) Dibromofluoromethane	5.373	113	101807	48.219	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.440%
50) Toluene-d8	8.635	98	355037	48.597	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.200%
62) 4-Bromofluorobenzene	11.061	95	135240	48.776	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.560%

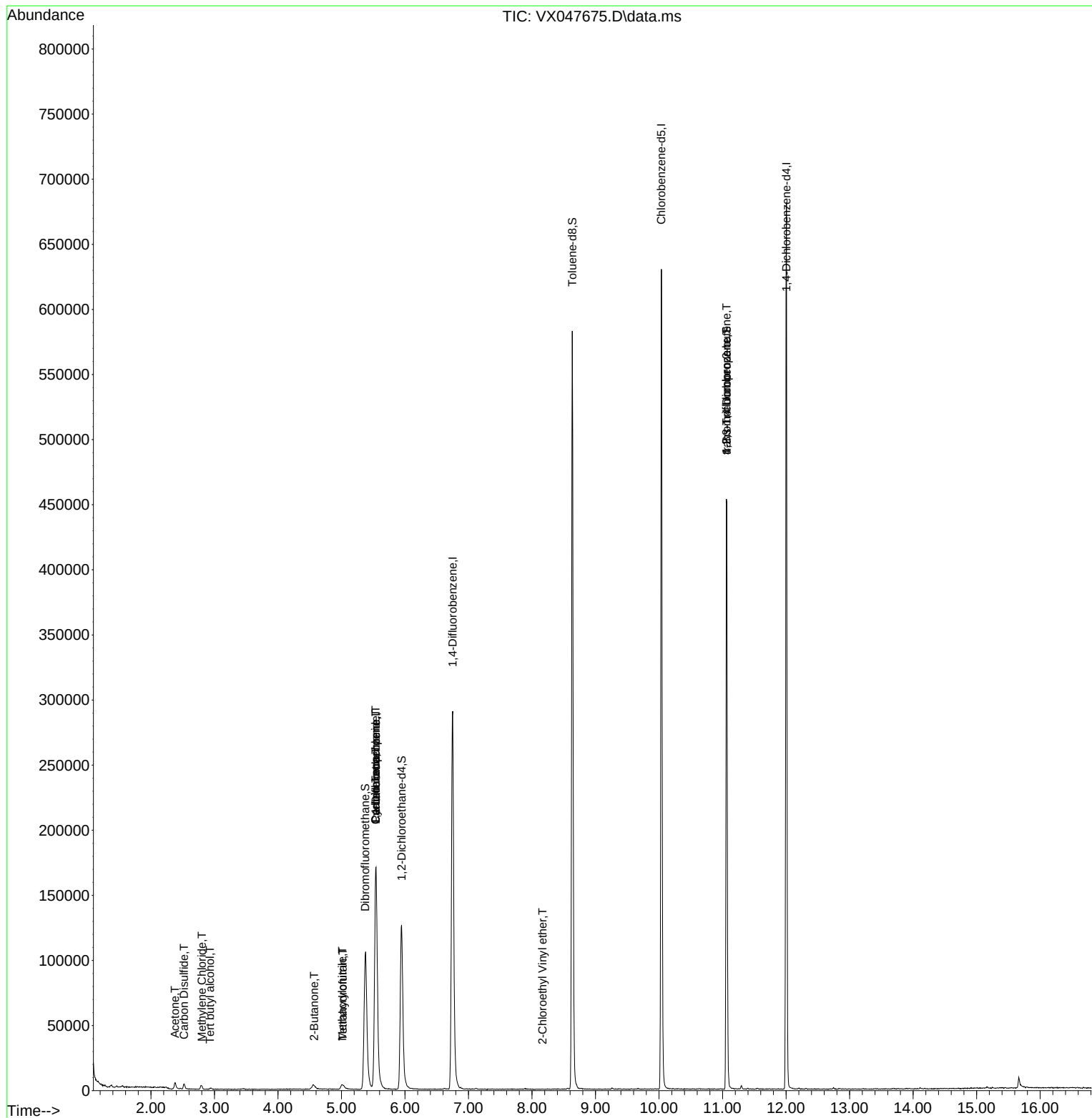
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.928	59	154	0.501	ug/l #	72
16) Acetone	2.380	43	6745	5.620	ug/l	99
17) Carbon Disulfide	2.520	76	3894	0.690	ug/l #	94
20) Methylene Chloride	2.800	84	1596	0.628	ug/l #	78
25) 2-Butanone	4.568	43	4671	3.120	ug/l	100
29) Tetrahydrofuran	5.019	42	4110	4.563	ug/l #	54
31) Cyclohexane	5.538	56	3867	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	14475	4.692	ug/l #	51
38) Carbon Tetrachloride	5.538	117	18483	5.514	ug/l #	18
41) Methacrylonitrile	5.013	41	2619	1.536	ug/l #	32
58) 2-Chloroethyl Vinyl ether	8.165	63	111	7.959	ug/l #	47
76) 1,2,3-Trichloropropane	11.061	75	69562	24.850	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	69562	63.372	ug/l #	8

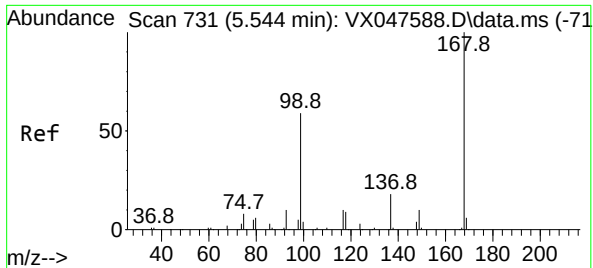
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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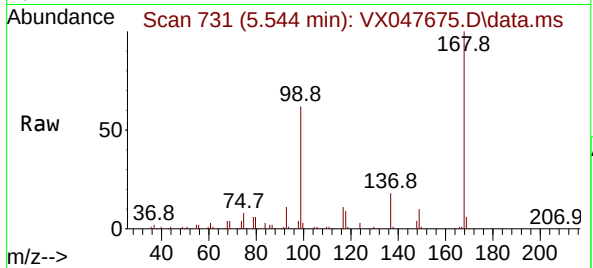
Quant Time: Sep 20 00:32:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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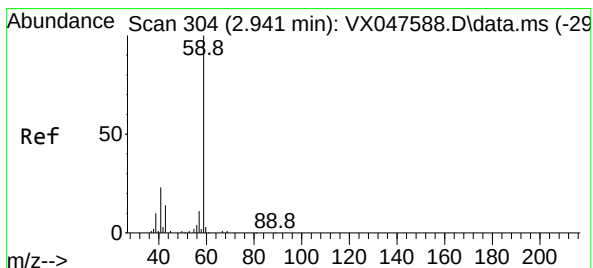
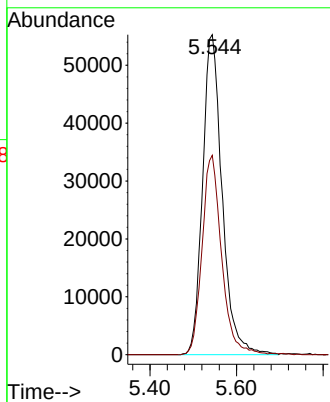
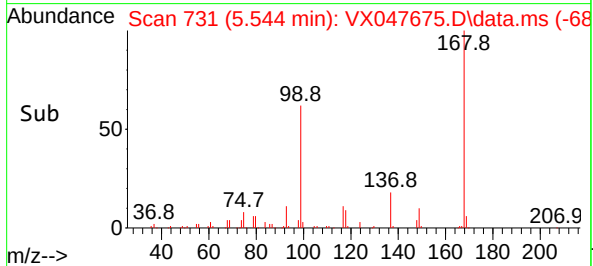


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047675.D
Acq: 19 Sep 2025 14:55

Instrument :
MSVOA_X
ClientSampleId :

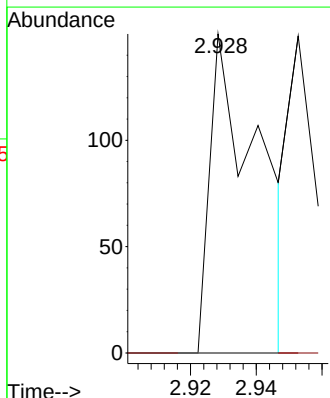
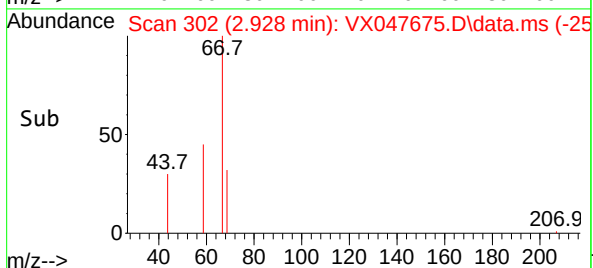
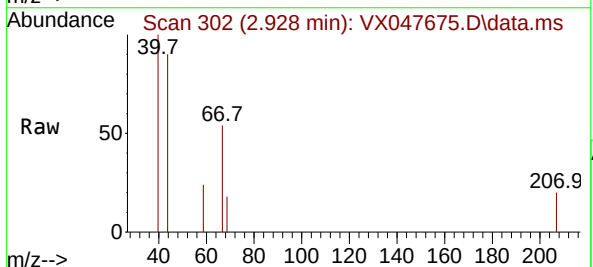


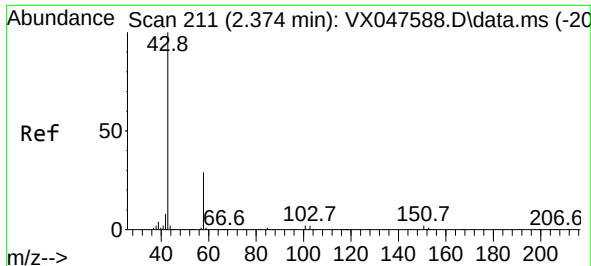
Tgt Ion:168 Resp: 173416
Ion Ratio Lower Upper
168 100
99 62.3 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.501 ug/l
RT: 2.928 min Scan# 302
Delta R.T. -0.012 min
Lab File: VX047675.D
Acq: 19 Sep 2025 14:55

Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

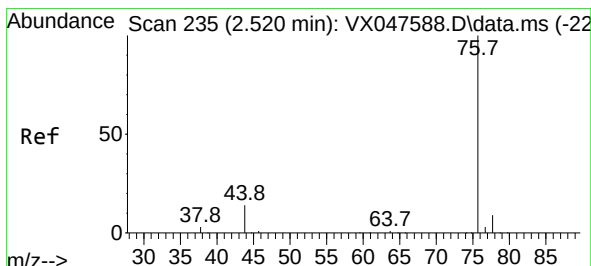
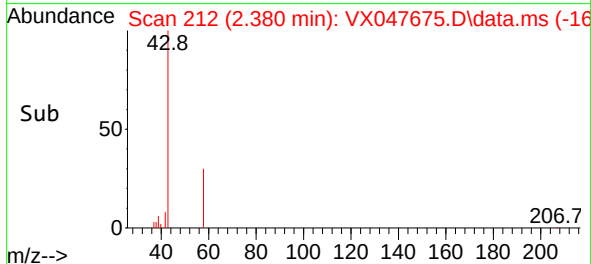
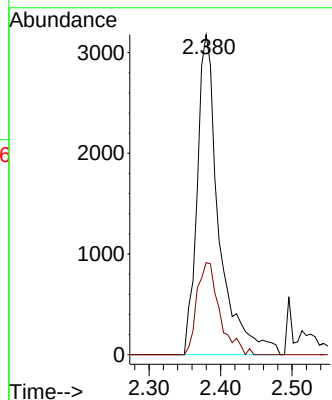
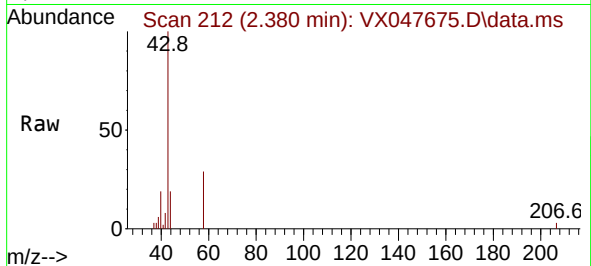




#16
Acetone
Concen: 5.620 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047675.D
Acq: 19 Sep 2025 14:55

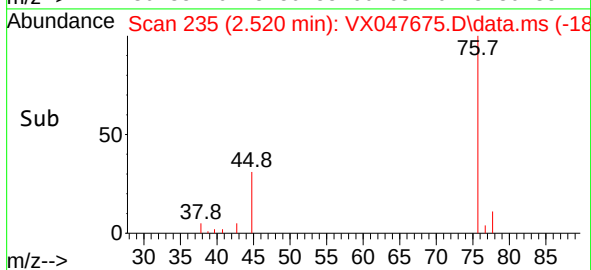
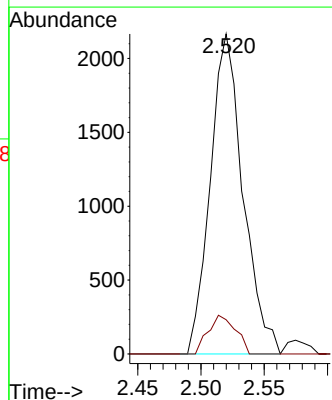
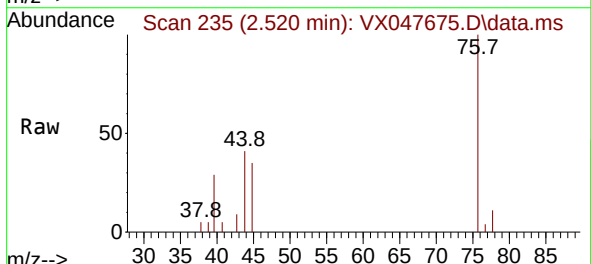
Instrument :
MSVOA_X
ClientSampleId :

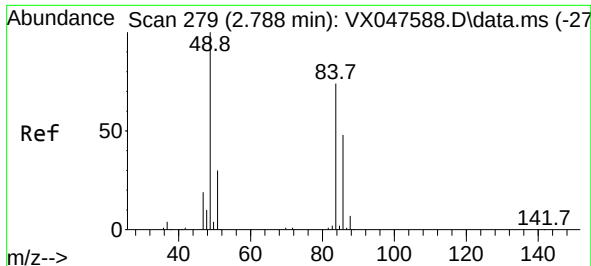
Tgt Ion: 43 Resp: 6745
Ion Ratio Lower Upper
43 100
58 28.8 23.4 35.0



#17
Carbon Disulfide
Concen: 0.690 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX047675.D
Acq: 19 Sep 2025 14:55

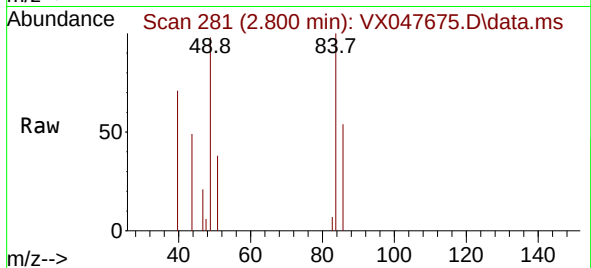
Tgt Ion: 76 Resp: 3894
Ion Ratio Lower Upper
76 100
78 10.7 6.8 10.2#



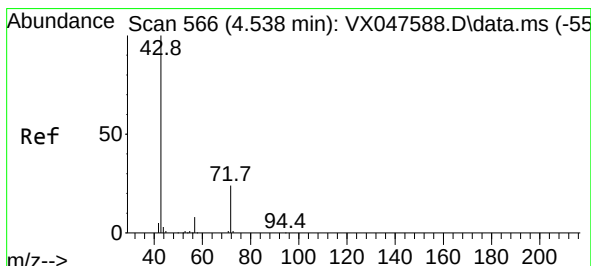
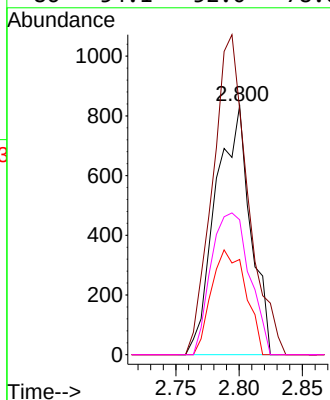
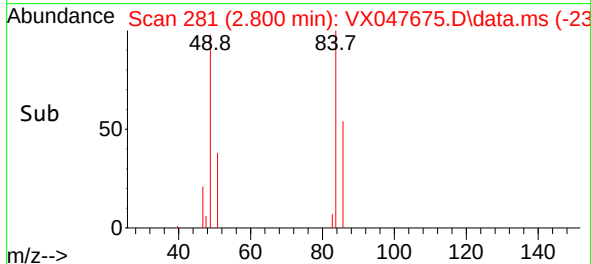


#20
Methylene Chloride
Concen: 0.628 ug/l
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047675.D
Acq: 19 Sep 2025 14:55

Instrument :
MSVOA_X
ClientSampleId :

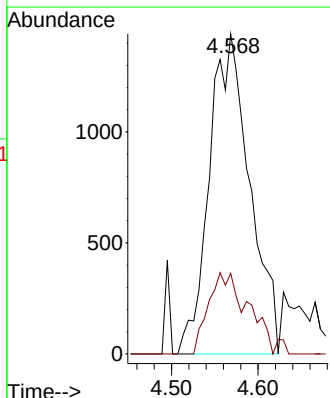
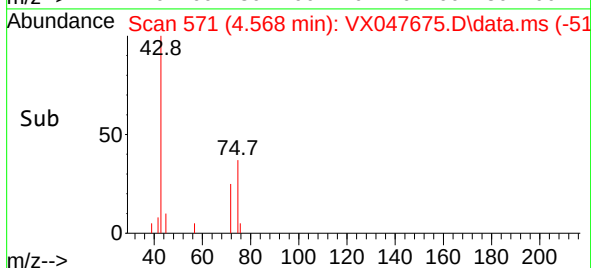
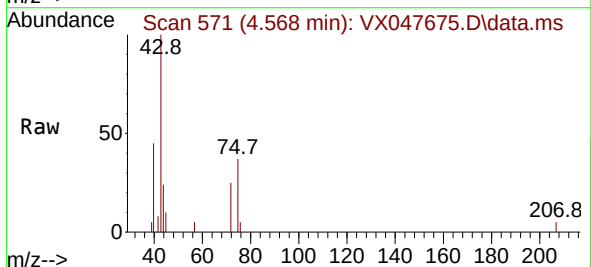


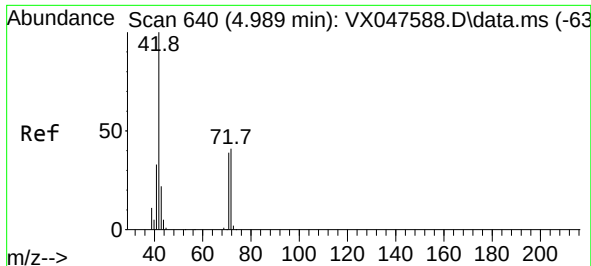
Tgt Ion: 84 Resp: 1596
Ion Ratio Lower Upper
84 100
49 98.4 108.6 162.8#
51 38.2 32.6 48.8
86 54.1 52.0 78.0



#25
2-Butanone
Concen: 3.120 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.030 min
Lab File: VX047675.D
Acq: 19 Sep 2025 14:55

Tgt Ion: 43 Resp: 4671
Ion Ratio Lower Upper
43 100
72 25.2 20.1 30.1





#29

Tetrahydrofuran

Concen: 4.563 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.030 min

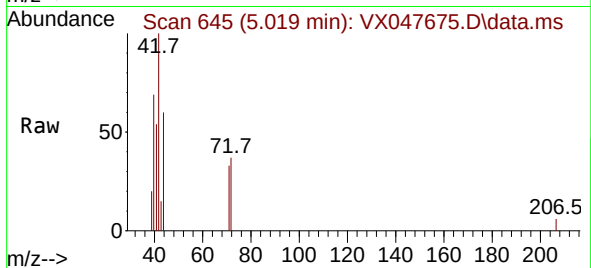
Lab File: VX047675.D

Acq: 19 Sep 2025 14:55

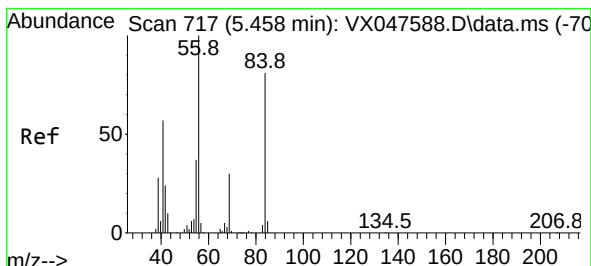
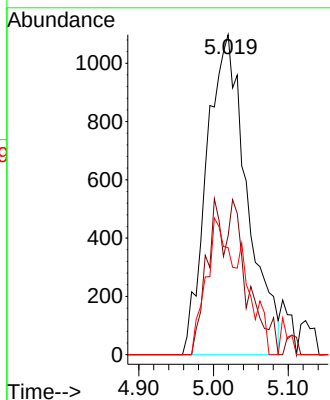
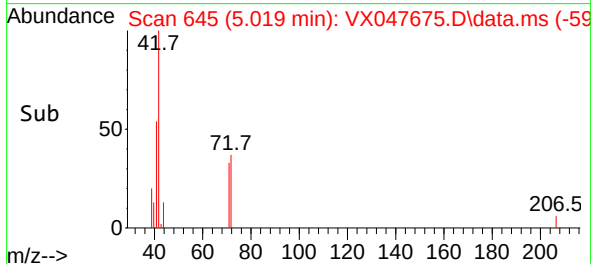
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	4110
Ion	Ratio	Lower	Upper
42	100		
72	24.6	34.2	51.2#
71	0.0	31.9	47.9#



#31

Cyclohexane

Concen: 1.060 ug/l

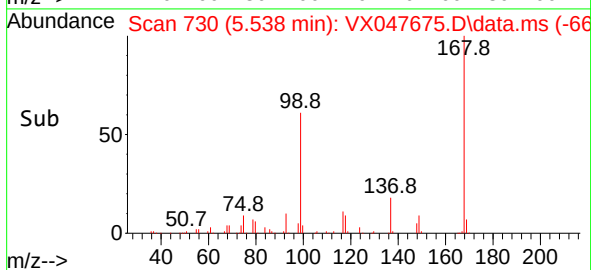
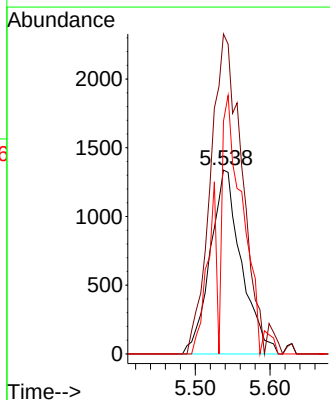
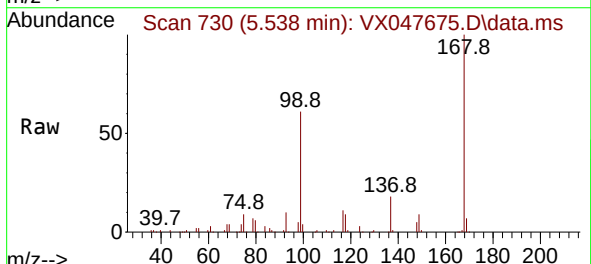
RT: 5.538 min Scan# 730

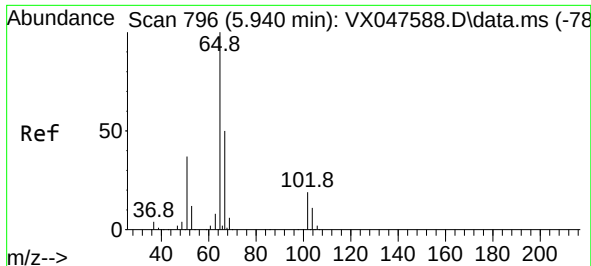
Delta R.T. 0.079 min

Lab File: VX047675.D

Acq: 19 Sep 2025 14:55

Tgt Ion:	56	Resp:	3867
Ion	Ratio	Lower	Upper
56	100		
69	174.1	23.8	35.8#
84	126.7	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 49.939 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047675.D

Acq: 19 Sep 2025 14:55

Instrument :

MSVOA_X

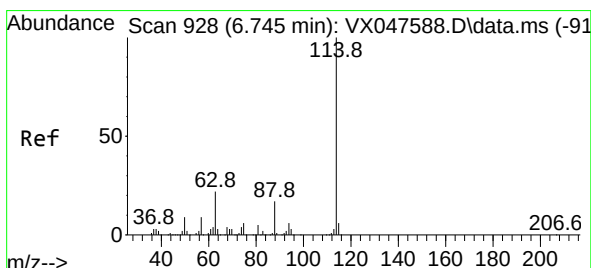
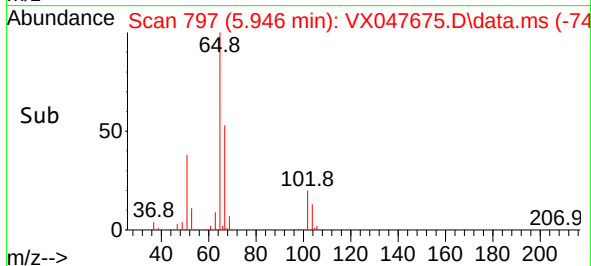
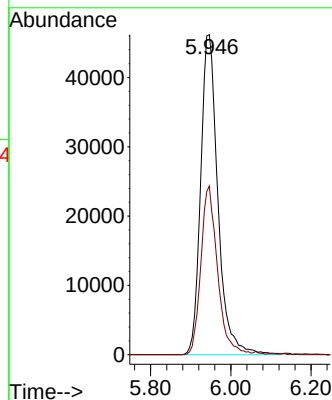
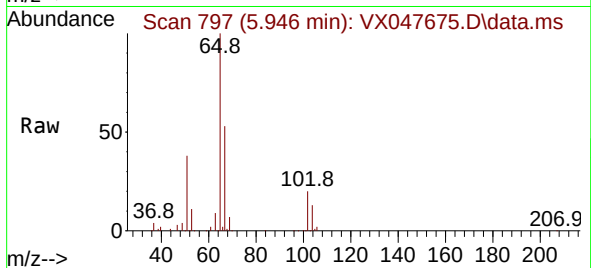
ClientSampleId :

Tgt Ion: 65 Resp: 137849

Ion Ratio Lower Upper

65 100

67 50.9 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: VX047675.D

Acq: 19 Sep 2025 14:55

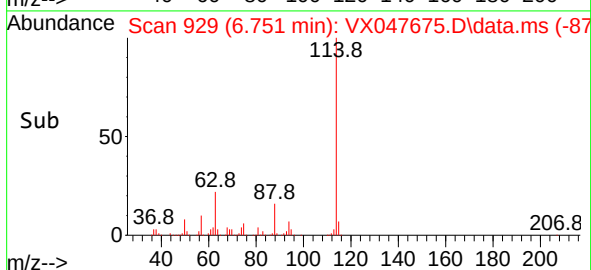
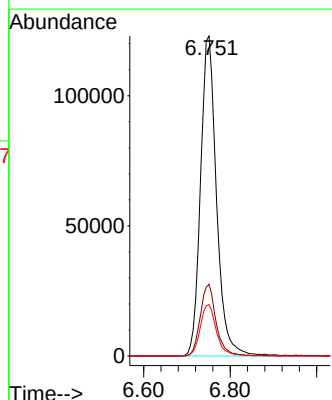
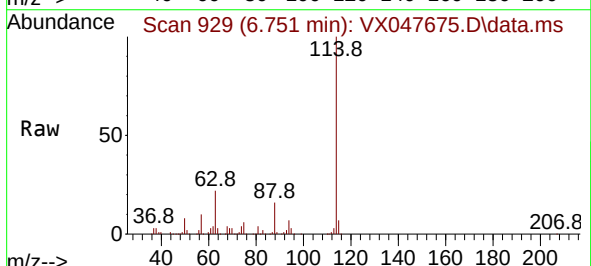
Tgt Ion: 114 Resp: 314821

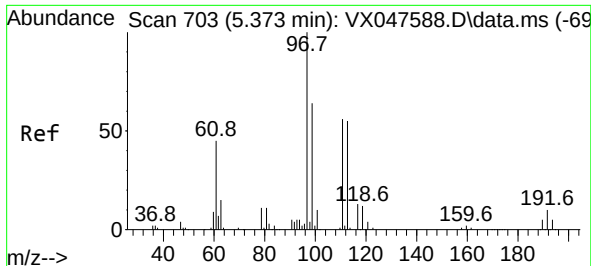
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.0

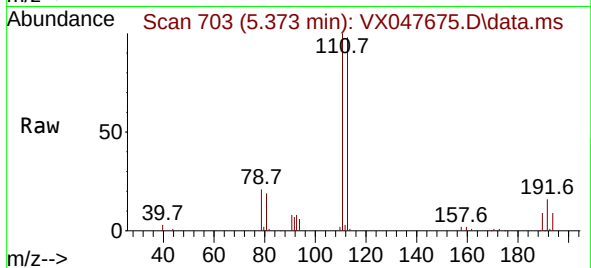
88 16.0 0.0 34.2



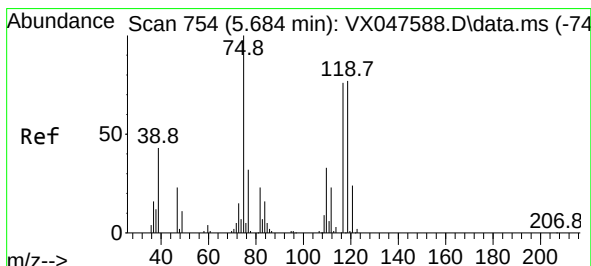
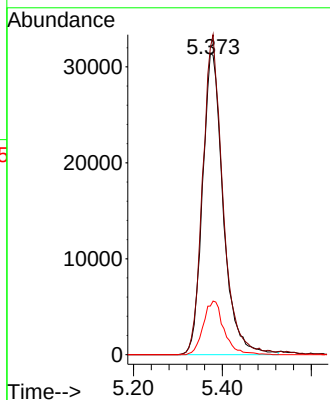
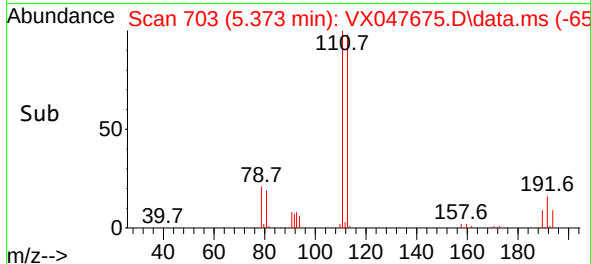


#35
Dibromofluoromethane
Concen: 48.219 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047675.D
Acq: 19 Sep 2025 14:55

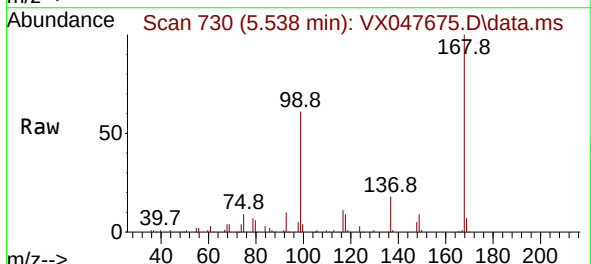
Instrument :
MSVOA_X
ClientSampleId :



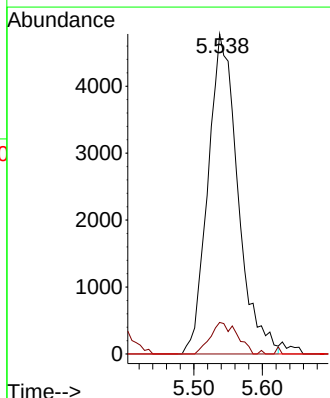
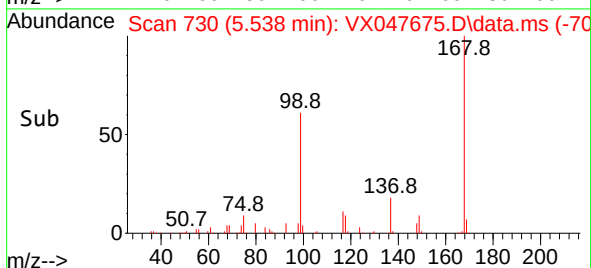
Tgt Ion:113 Resp: 101807
Ion Ratio Lower Upper
113 100
111 103.4 80.9 121.3
192 17.8 14.2 21.4

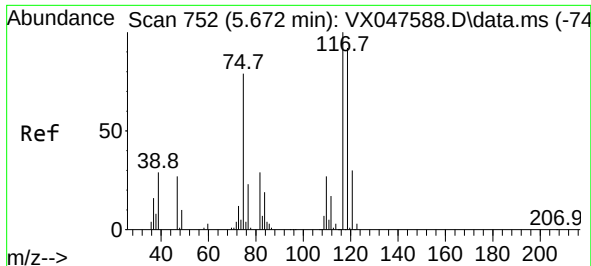


#36
1,1-Dichloropropene
Concen: 4.692 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047675.D
Acq: 19 Sep 2025 14:55



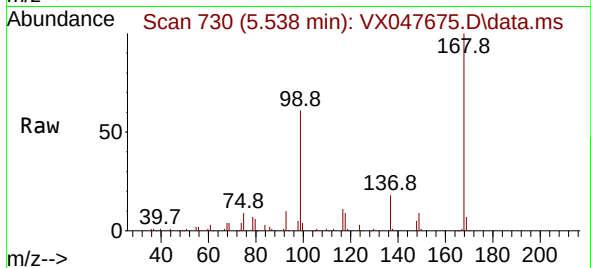
Tgt Ion: 75 Resp: 14475
Ion Ratio Lower Upper
75 100
110 8.8 16.7 50.1#
77 0.0 24.3 36.5#



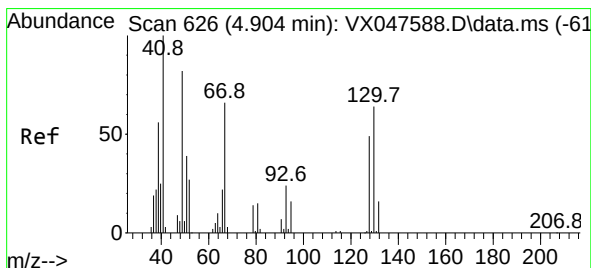
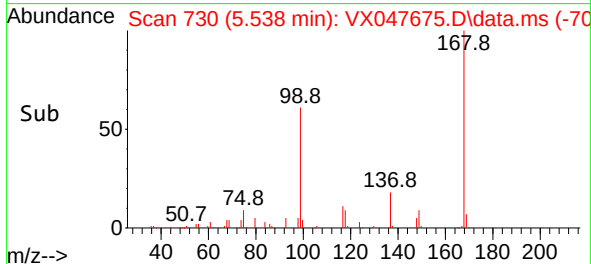
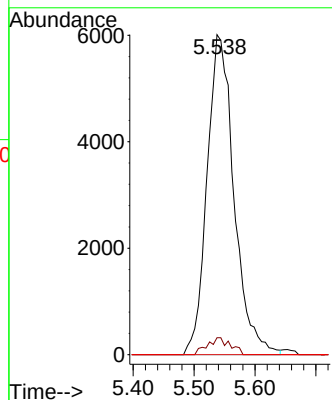


#38
Carbon Tetrachloride
Concen: 5.514 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047675.D
Acq: 19 Sep 2025 14:55

Instrument :
MSVOA_X
ClientSampleId :

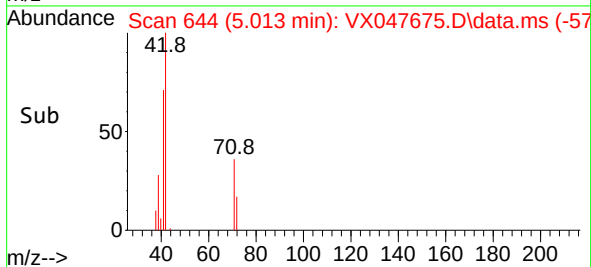
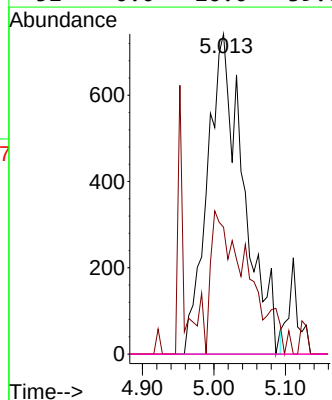
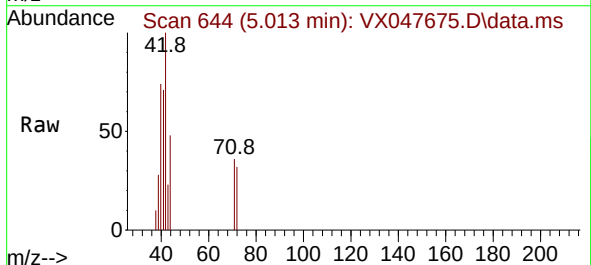


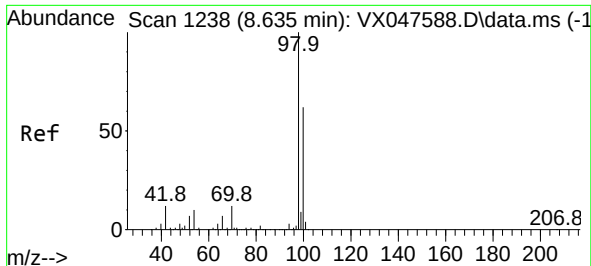
Tgt Ion:117 Resp: 18483
Ion Ratio Lower Upper
117 100
119 5.3 73.4 110.2#
121 0.0 23.8 35.6#



#41
Methacrylonitrile
Concen: 1.536 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.110 min
Lab File: VX047675.D
Acq: 19 Sep 2025 14:55

Tgt Ion: 41 Resp: 2619
Ion Ratio Lower Upper
41 100
39 19.8 43.3 64.9#
67 0.0 58.6 87.8#
52 0.0 26.0 39.0#

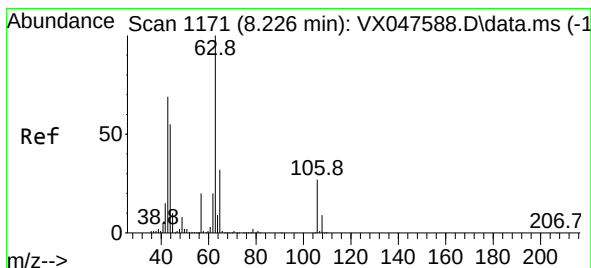
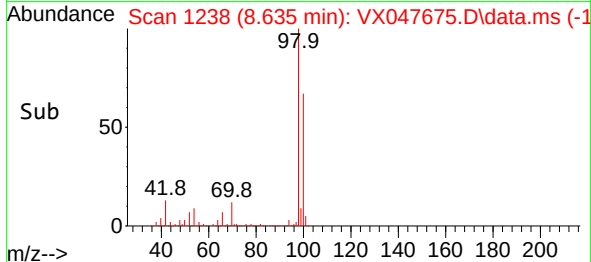
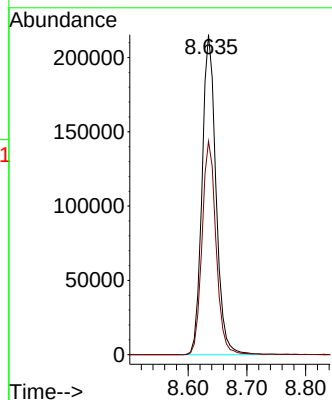
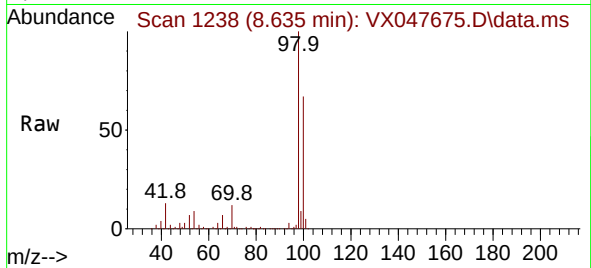




#50
Toluene-d8
Concen: 48.597 ug/l
RT: 8.635 min Scan# 1161
Delta R.T. -0.000 min
Lab File: VX047675.D
Acq: 19 Sep 2025 14:55

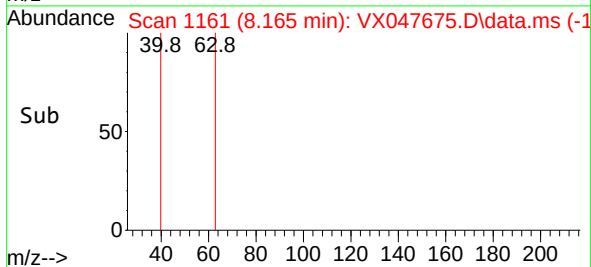
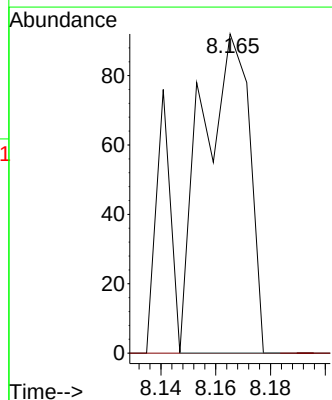
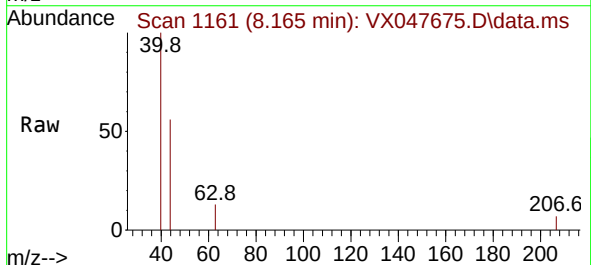
Instrument :
MSVOA_X
ClientSampleId :

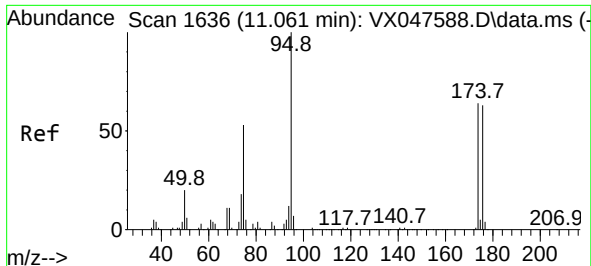
Tgt Ion: 98 Resp: 355037
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.4



#58
2-Chloroethyl Vinyl ether
Concen: 7.959 ug/l
RT: 8.165 min Scan# 1161
Delta R.T. -0.061 min
Lab File: VX047675.D
Acq: 19 Sep 2025 14:55

Tgt Ion: 63 Resp: 111
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#

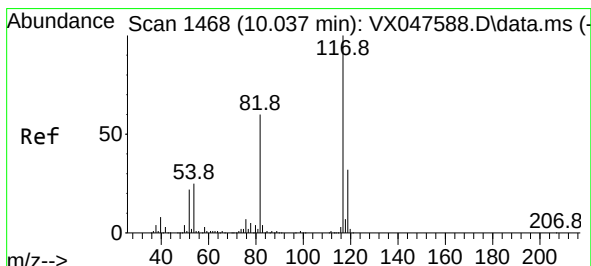
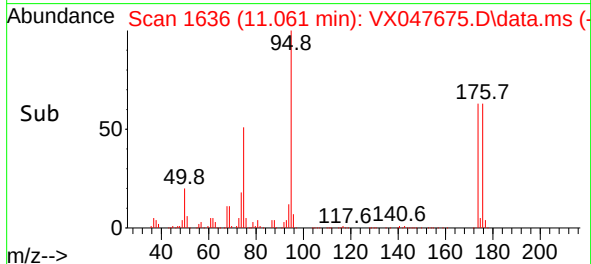
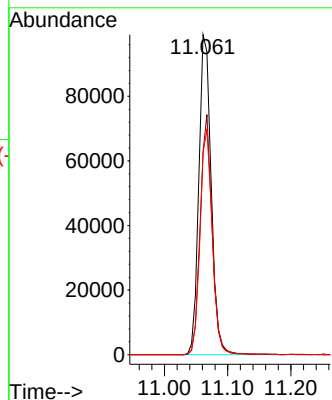
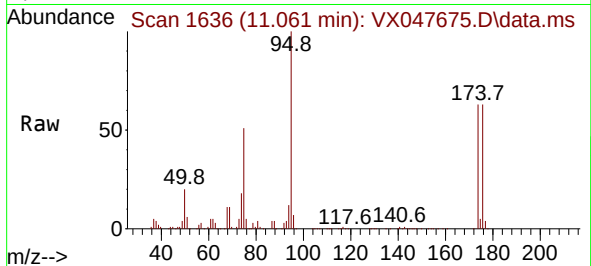




#62
4-Bromofluorobenzene
Concen: 48.776 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047675.D
Acq: 19 Sep 2025 14:55

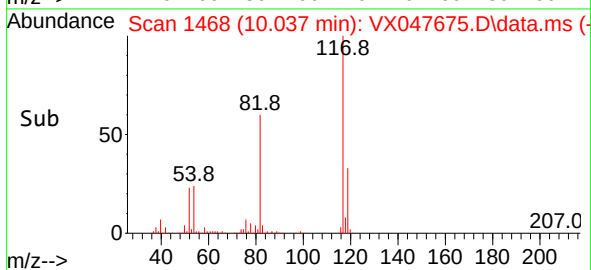
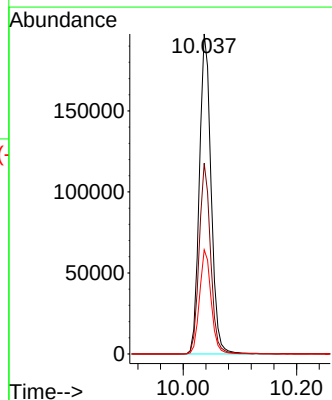
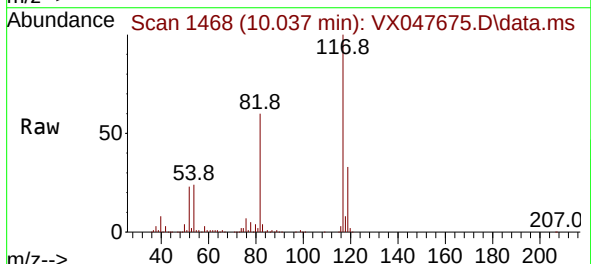
Instrument :
MSVOA_X
ClientSampleId :

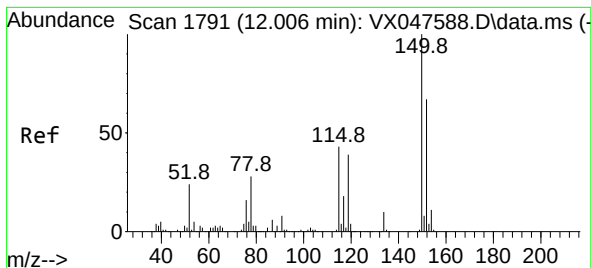
Tgt Ion: 95 Resp: 135240
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.6
176 69.6 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047675.D
Acq: 19 Sep 2025 14:55

Tgt Ion: 117 Resp: 282914
Ion Ratio Lower Upper
117 100
82 59.6 47.8 71.6
119 32.5 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: VX047675.D

Acq: 19 Sep 2025 14:55

Instrument :

MSVOA_X

ClientSampleId :

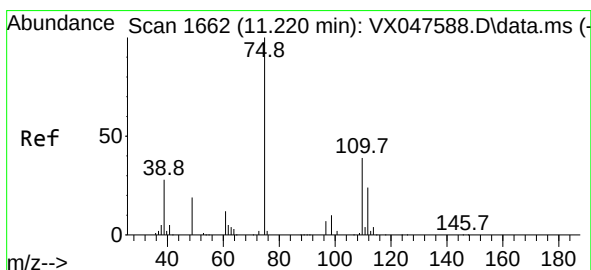
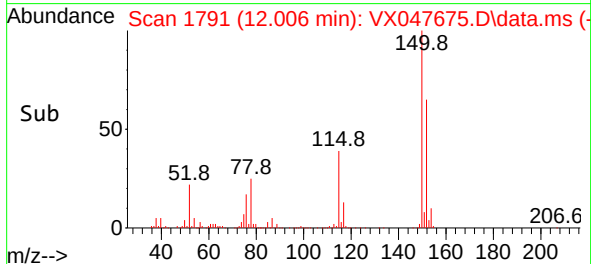
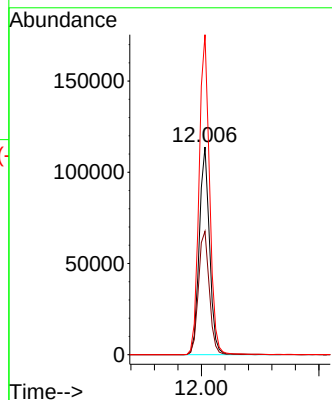
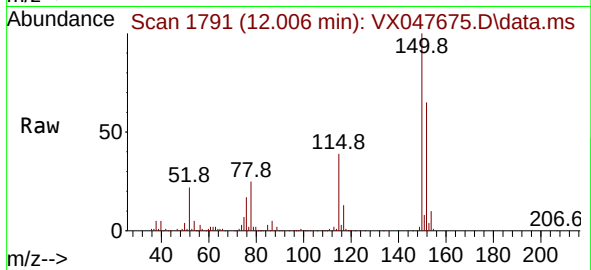
Tgt Ion:152 Resp: 138256

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: 24.850 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047675.D

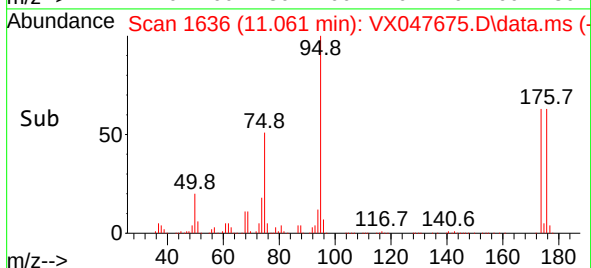
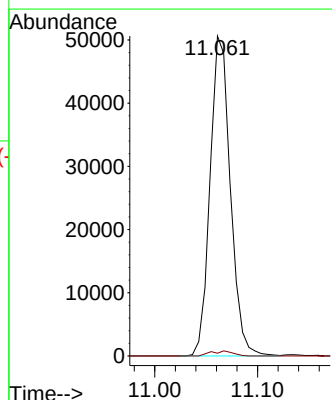
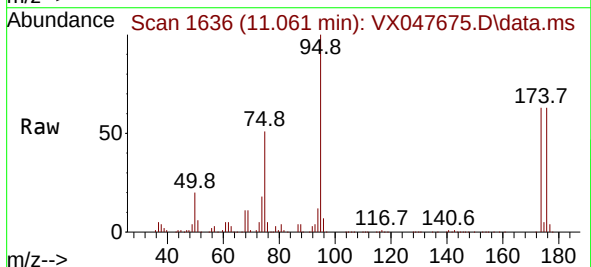
Acq: 19 Sep 2025 14:55

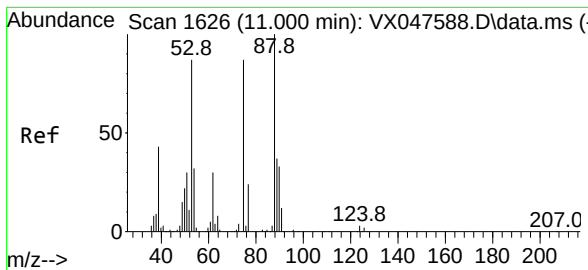
Tgt Ion: 75 Resp: 69562

Ion Ratio Lower Upper

75 100

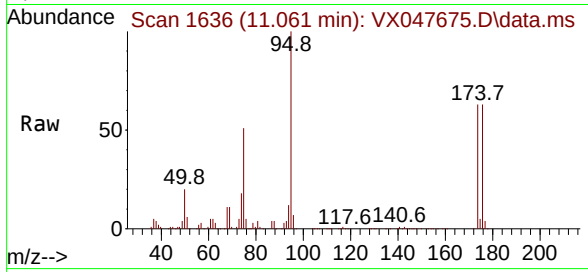
77 1.7 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.372 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047675.D
 Acq: 19 Sep 2025 14:55

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 69562
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

