

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044721.D
 Acq On : 27 Jan 2025 14:09
 Operator : JC/MD
 Sample : Q1173-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 04:12:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

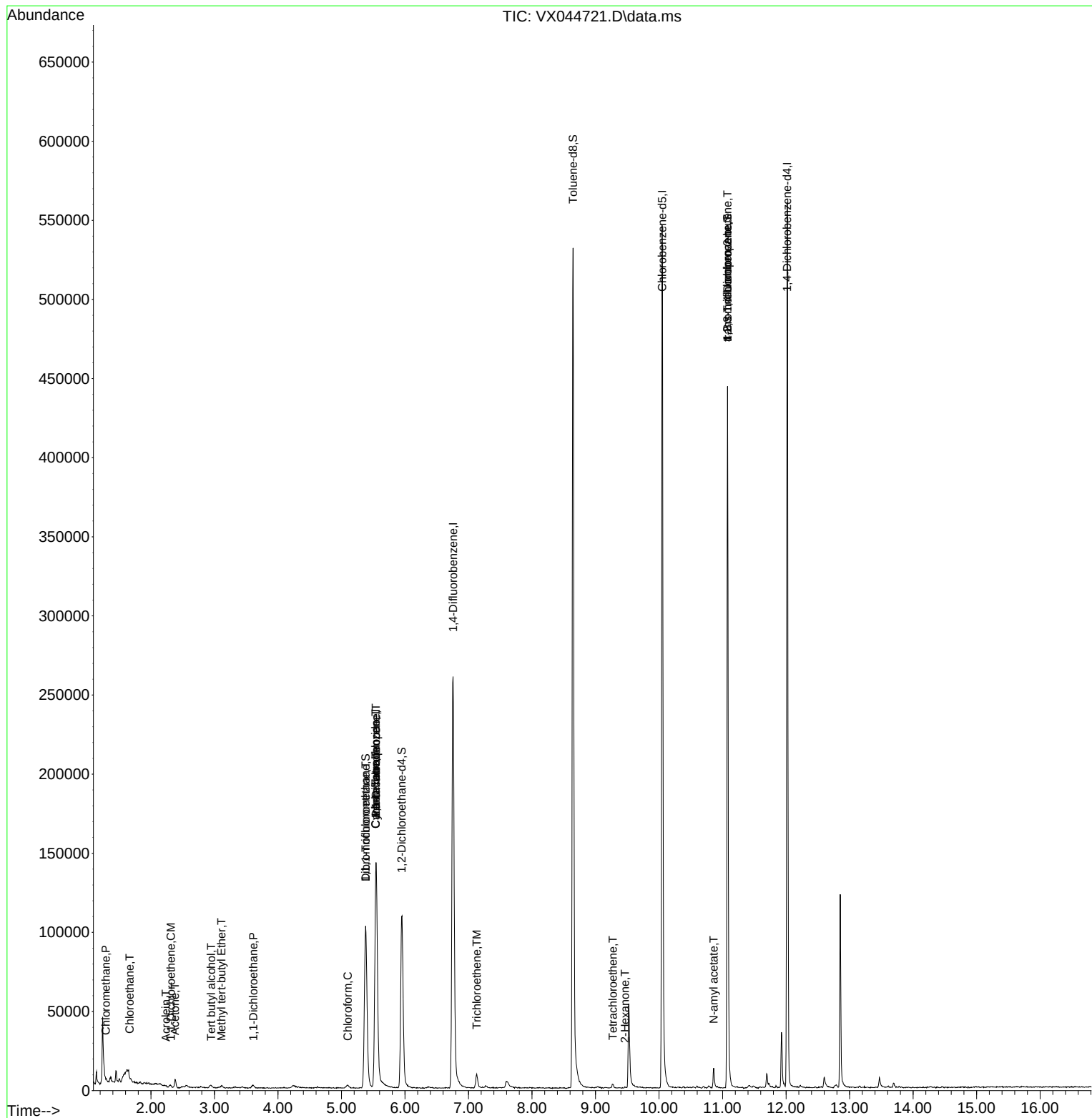
Internal Standards						
1) Pentafluorobenzene	5.544	168	143949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	289107	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	257515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	112964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	103939	47.836	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.680%
35) Dibromofluoromethane	5.379	113	93332	50.816	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.640%
50) Toluene-d8	8.647	98	348739	54.456	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.920%
62) 4-Bromofluorobenzene	11.079	95	127861	53.558	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.120%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	493	0.235	ug/l #	76
6) Chloroethane	1.666	64	507	1.336	ug/l #	79
11) Tert butyl alcohol	2.947	59	823	1.699	ug/l #	94
12) 1,1-Dichloroethene	2.313	96	402	0.239	ug/l #	90
13) Acrolein	2.233	56	307	1.347	ug/l #	22
16) Acetone	2.380	43	6091	7.085	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	1573	0.258	ug/l #	84
24) 1,1-Dichloroethane	3.611	63	2251	0.665	ug/l #	81
30) Chloroform	5.099	83	2310	0.677	ug/l	99
31) Cyclohexane	5.538	56	3338	1.220	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	668	0.213	ug/l #	23
36) 1,1-Dichloropropene	5.544	75	12051	4.714	ug/l #	49
38) Carbon Tetrachloride	5.538	117	14388	5.003	ug/l #	16
44) Trichloroethene	7.129	130	3350	1.759	ug/l	98
59) 2-Hexanone	9.464	43	477	0.234	ug/l #	59
64) Tetrachloroethene	9.275	164	474	0.293	ug/l #	81
74) N-amyl acetate	10.860	43	1970	0.433	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	62684	22.865	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.079	75	62684	52.289	ug/l #	12

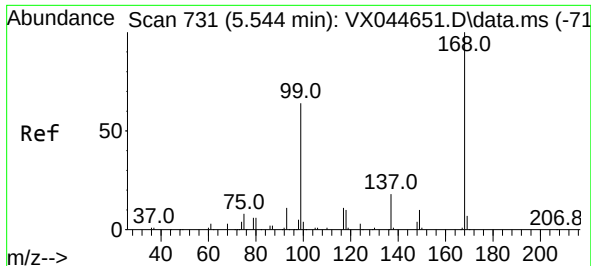
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 28 04:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

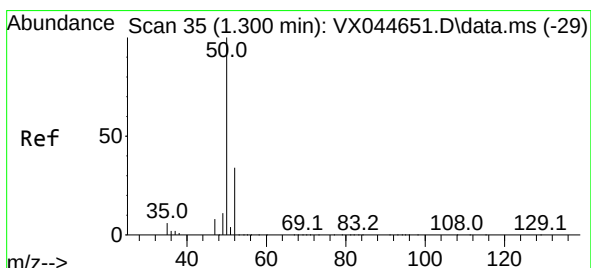
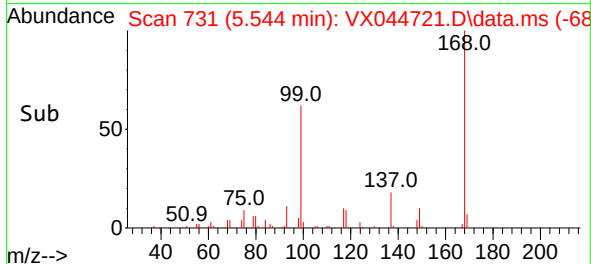
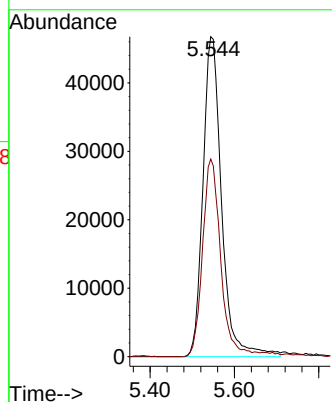
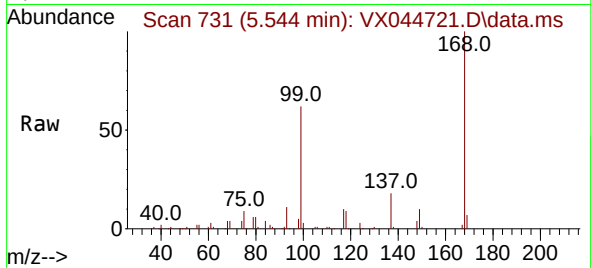




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

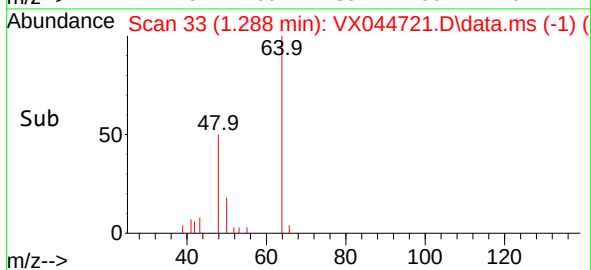
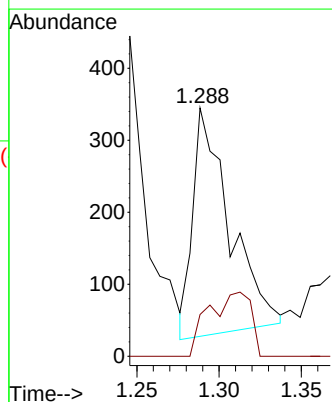
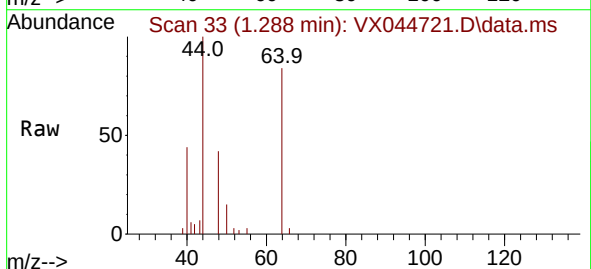
Instrument :
MSVOA_X
ClientSampleId :

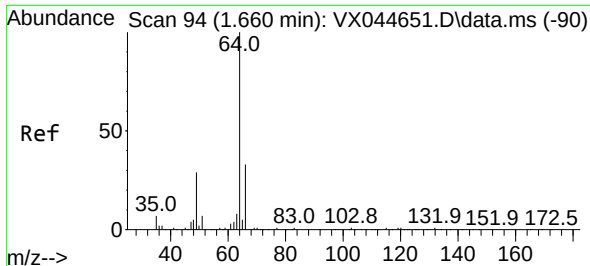
Tgt Ion:168 Resp: 143949
Ion Ratio Lower Upper
168 100
99 61.8 51.1 76.7



#3
Chloromethane
Concen: 0.235 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.012 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Tgt Ion: 50 Resp: 493
Ion Ratio Lower Upper
50 100
52 20.1 27.0 40.4#

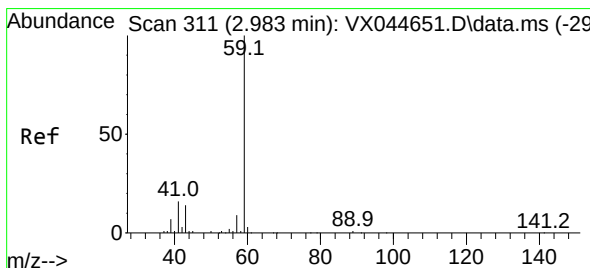
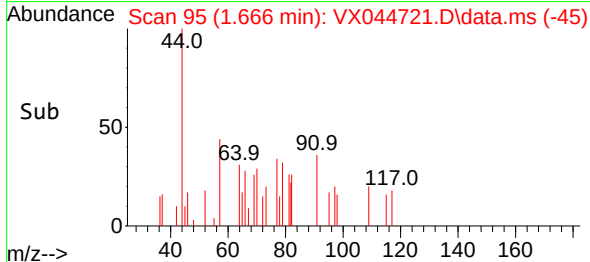
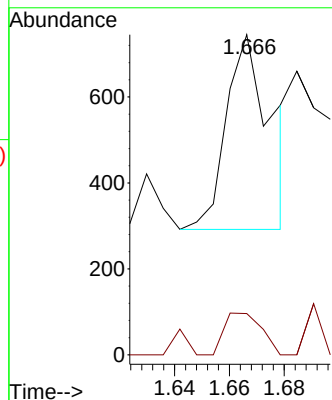
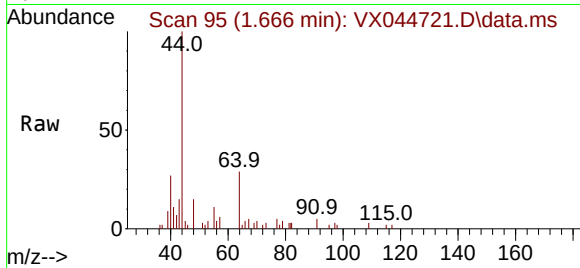




#6
Chloroethane
Concen: 1.336 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

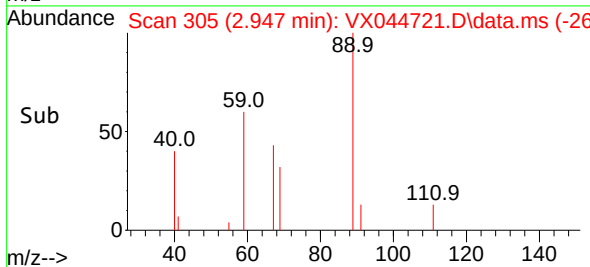
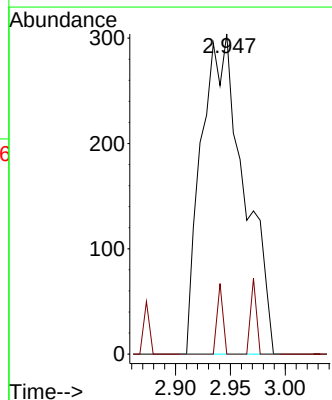
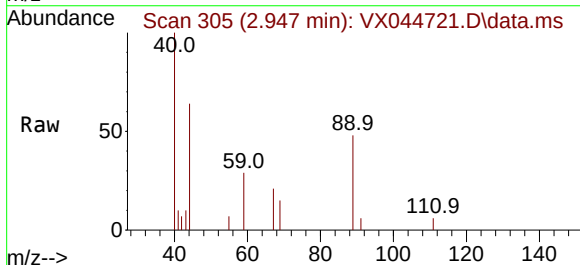
Instrument :
MSVOA_X
ClientSampleId :

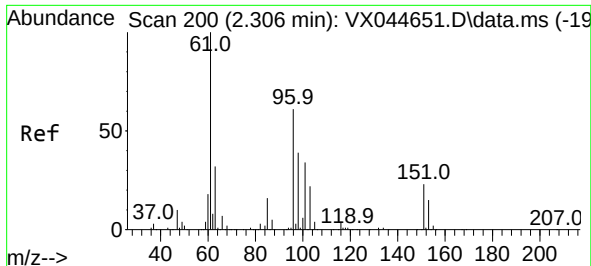
Tgt Ion: 64 Resp: 507
Ion Ratio Lower Upper
64 100
66 21.2 26.6 39.8#



#11
Tert butyl alcohol
Concen: 1.699 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Tgt Ion: 59 Resp: 823
Ion Ratio Lower Upper
59 100
57 3.0 3.9 5.9#





#12

1,1-Dichloroethene

Concen: 0.239 ug/l

RT: 2.313 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX044721.D

Acq: 27 Jan 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

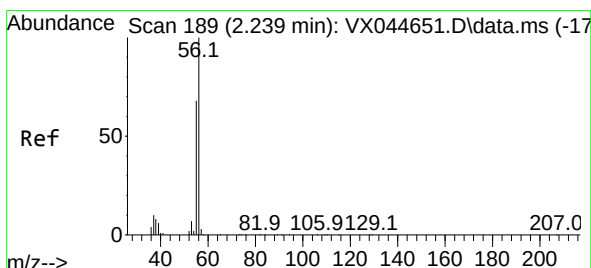
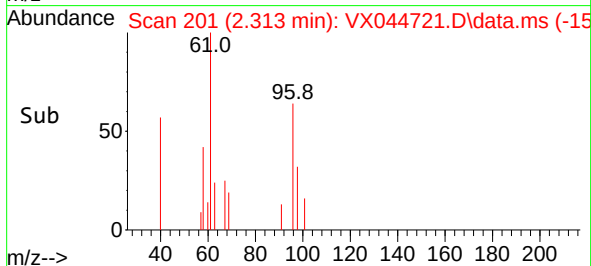
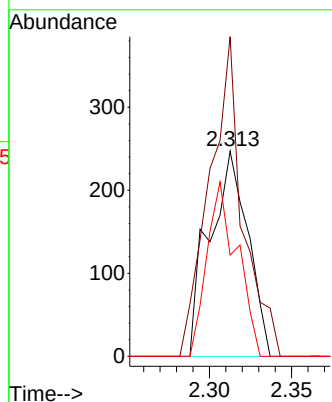
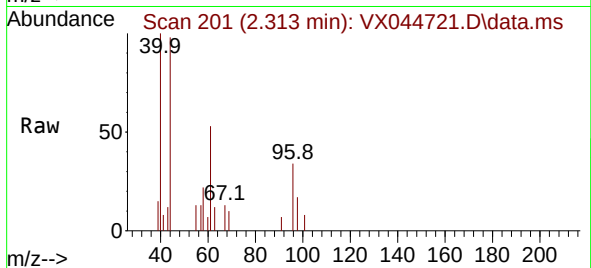
Tgt Ion: 96 Resp: 402

Ion Ratio Lower Upper

96 100

61 155.9 131.1 196.7

98 49.4 51.2 76.8#



#13

Acrolein

Concen: 1.347 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX044721.D

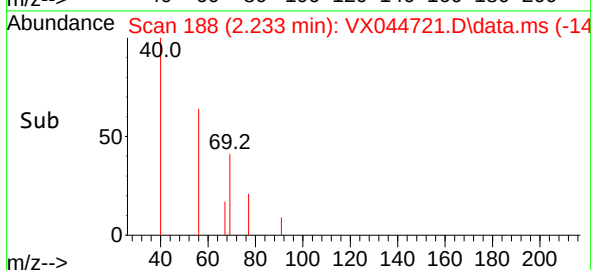
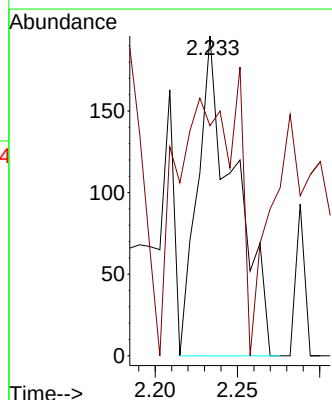
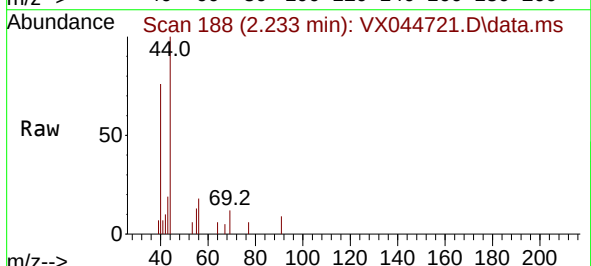
Acq: 27 Jan 2025 14:09

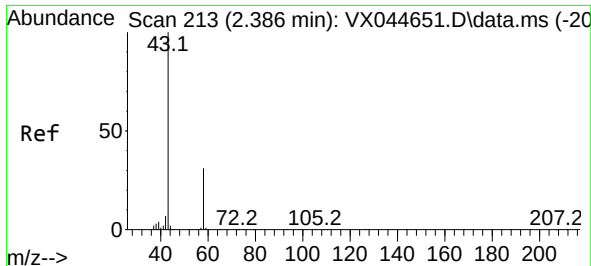
Tgt Ion: 56 Resp: 307

Ion Ratio Lower Upper

56 100

55 132.6 55.1 82.7#

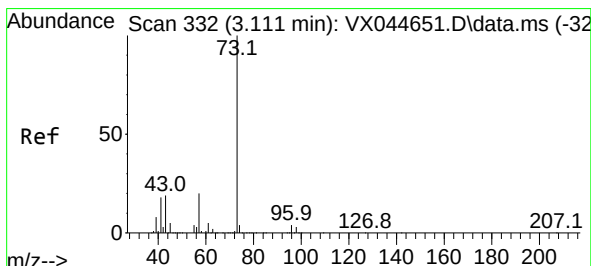
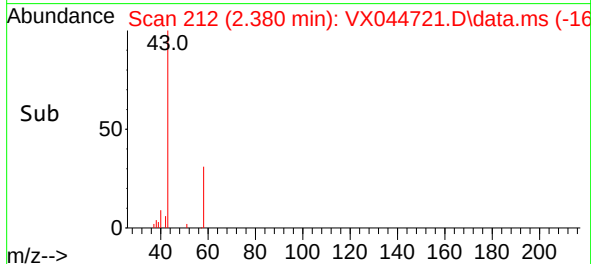
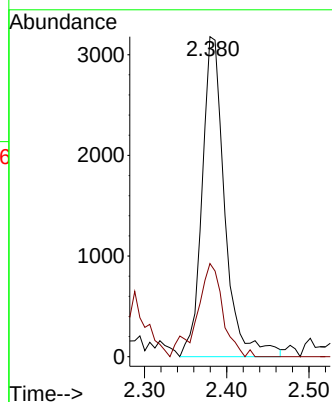
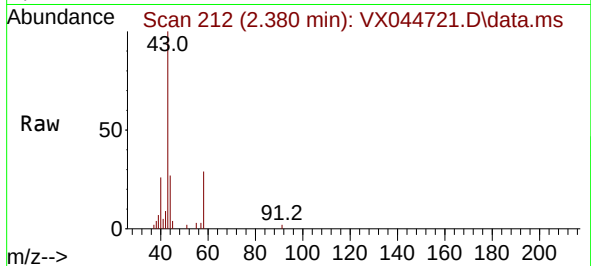




#16
Acetone
Concen: 7.085 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

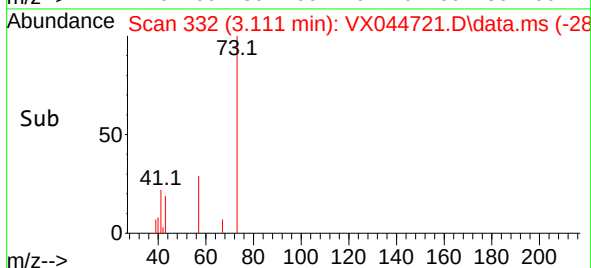
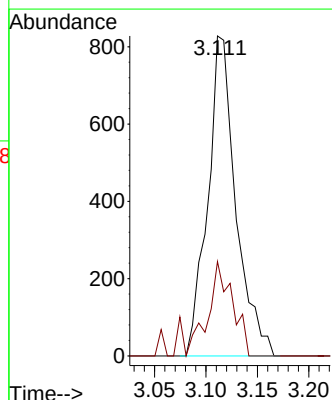
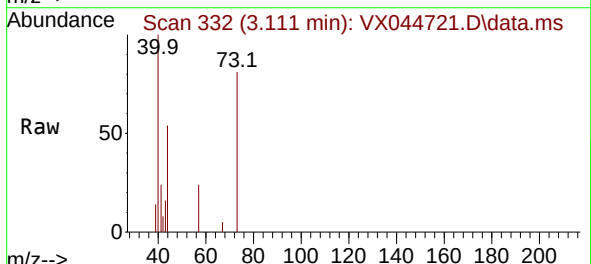
Instrument :
MSVOA_X
ClientSampleId :

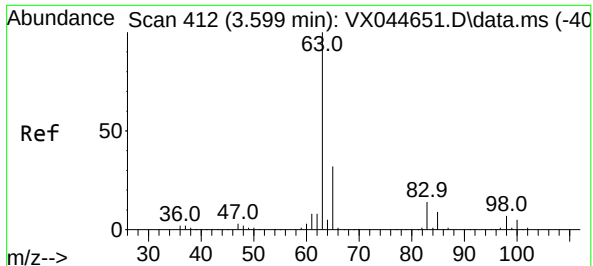
Tgt Ion: 43 Resp: 6091
Ion Ratio Lower Upper
43 100
58 29.1 24.6 37.0



#19
Methyl tert-butyl Ether
Concen: 0.258 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Tgt Ion: 73 Resp: 1573
Ion Ratio Lower Upper
73 100
57 29.5 17.4 26.0#

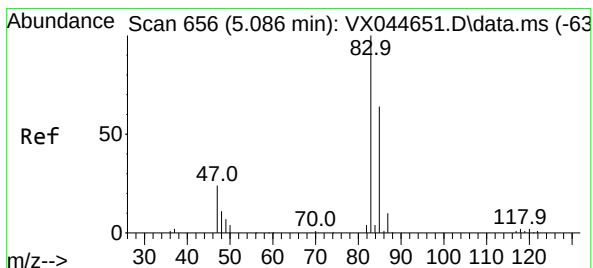
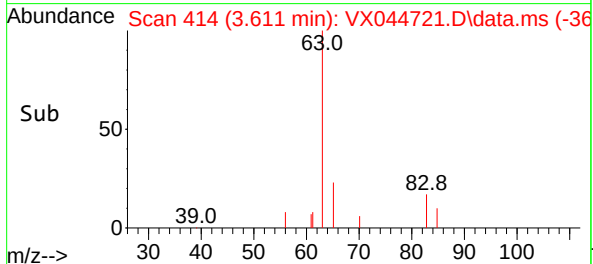
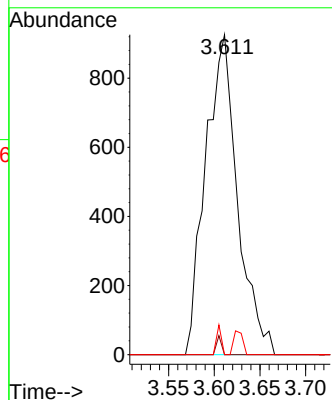
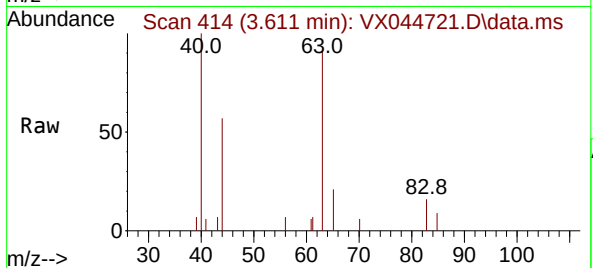




#24
1,1-Dichloroethane
Concen: 0.665 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.012 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

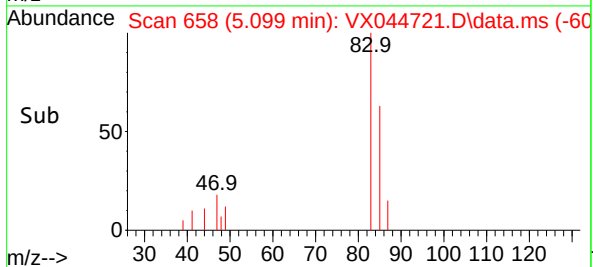
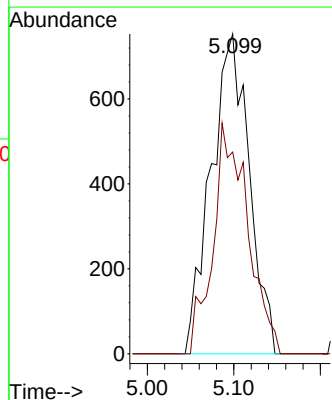
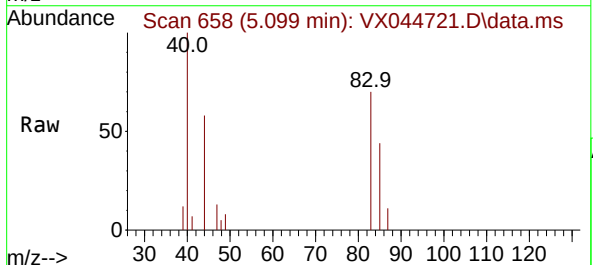
Instrument :
MSVOA_X
ClientSampleId :

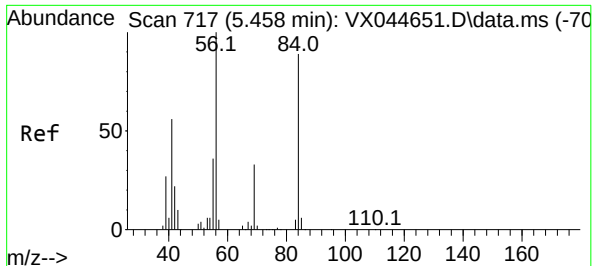
Tgt Ion: 63 Resp: 2251
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.9#
100 0.0 2.5 7.5#



#30
Chloroform
Concen: 0.677 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.012 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

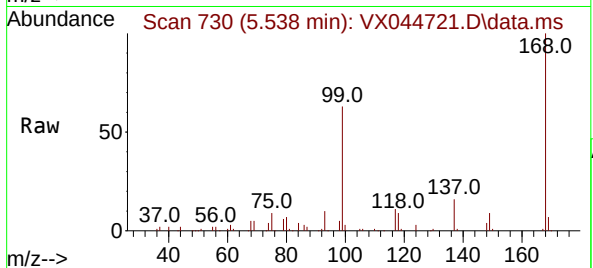
Tgt Ion: 83 Resp: 2310
Ion Ratio Lower Upper
83 100
85 63.1 51.2 76.8



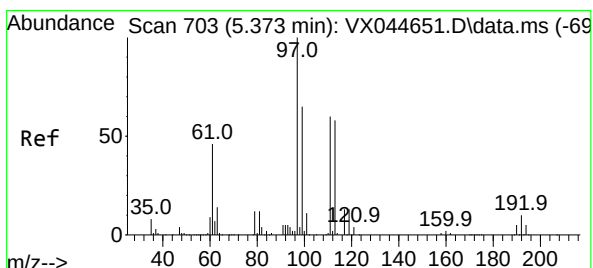
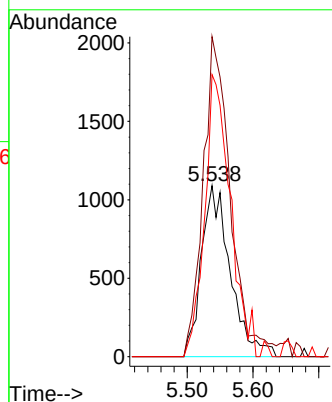
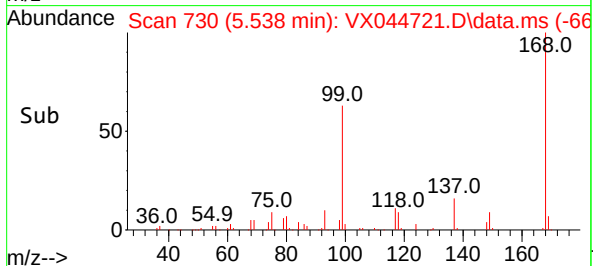


#31
Cyclohexane
Concen: 1.220 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Instrument :
MSVOA_X
ClientSampleId :

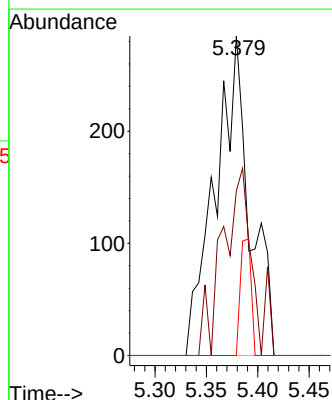
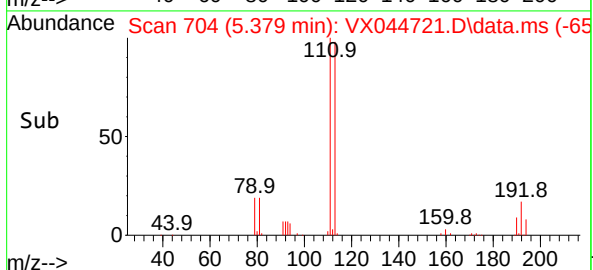
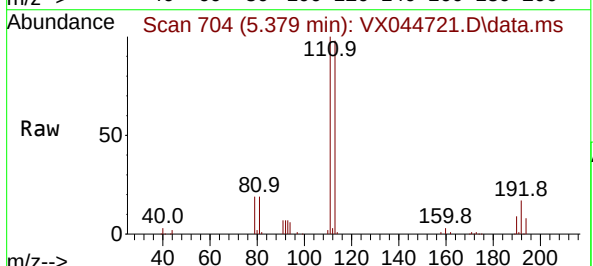


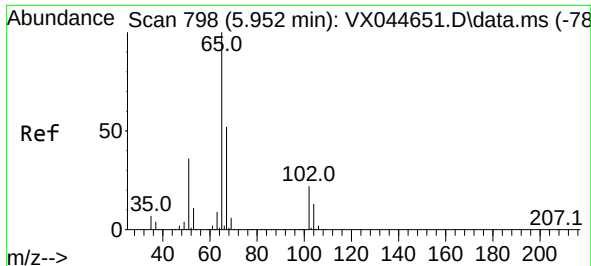
Tgt Ion: 56 Resp: 3338
Ion Ratio Lower Upper
56 100
69 187.2 26.8 40.2#
84 165.0 71.0 106.4#



#32
1,1,1-Trichloroethane
Concen: 0.213 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Tgt Ion: 97 Resp: 668
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 0.0 35.6 53.4#





#33

1,2-Dichloroethane-d4

Concen: 47.836 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044721.D

Acq: 27 Jan 2025 14:09

Instrument :

MSVOA_X

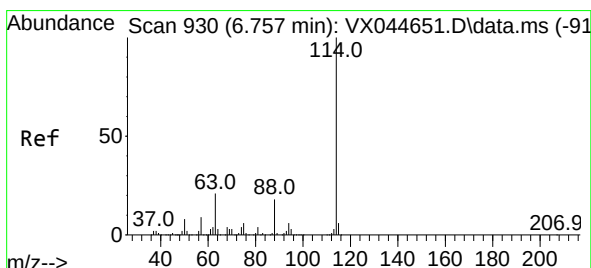
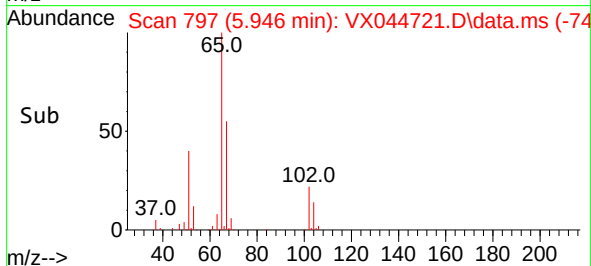
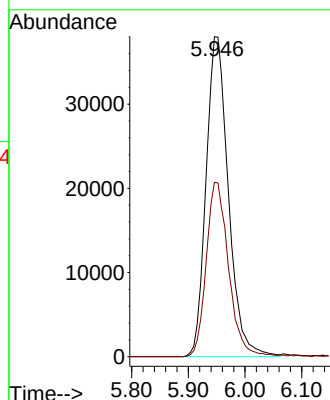
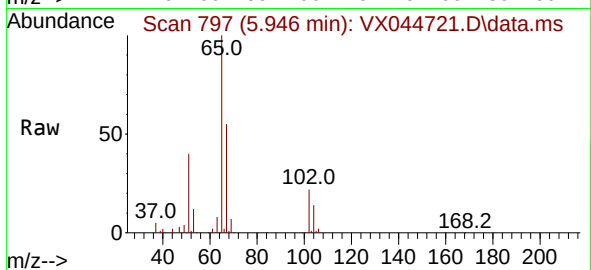
ClientSampleId :

Tgt Ion: 65 Resp: 103939

Ion Ratio Lower Upper

65 100

67 54.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044721.D

Acq: 27 Jan 2025 14:09

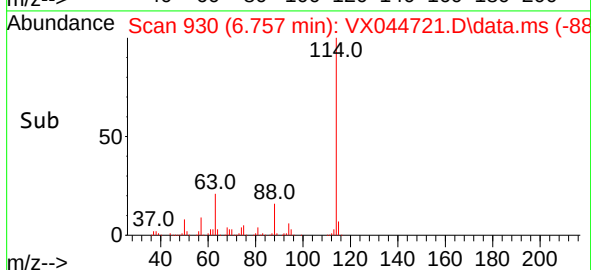
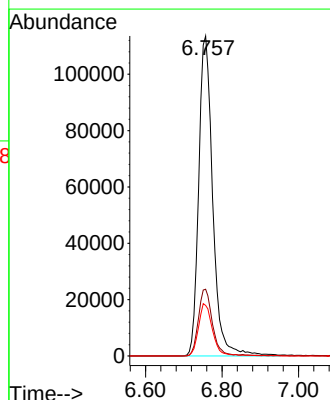
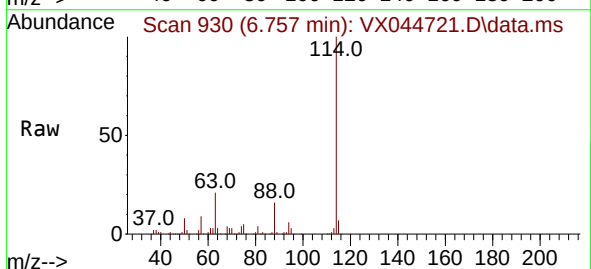
Tgt Ion: 114 Resp: 289107

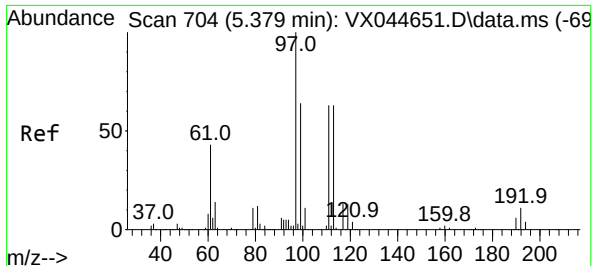
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.0

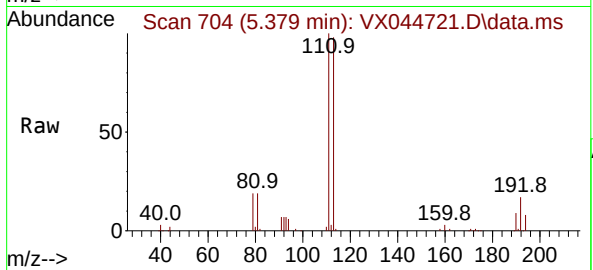
88 15.8 0.0 35.4



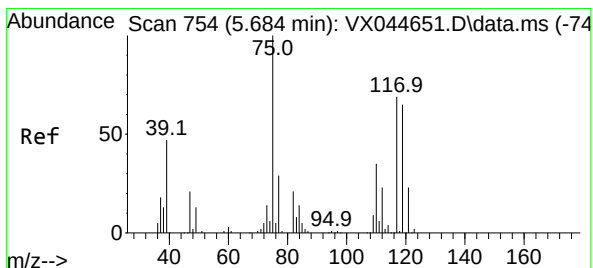
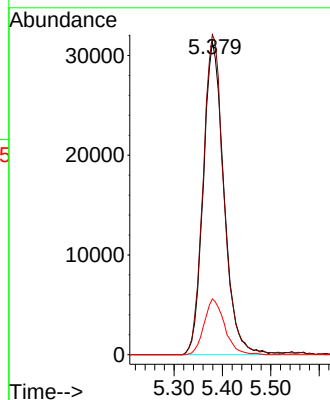
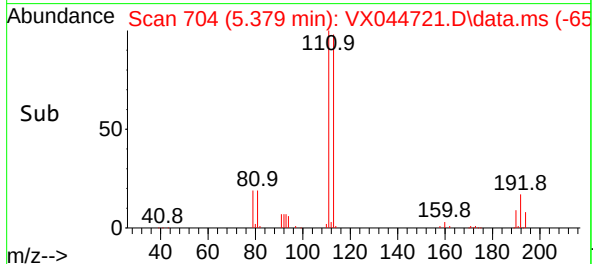


#35
Dibromofluoromethane
Concen: 50.816 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

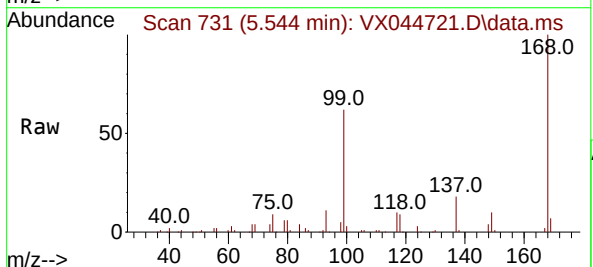
Instrument :
MSVOA_X
ClientSampleId :



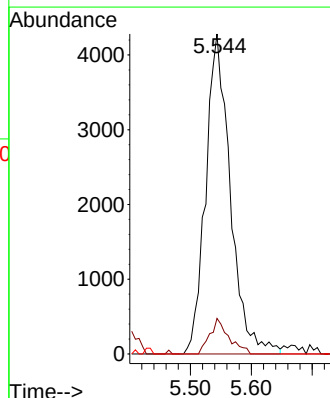
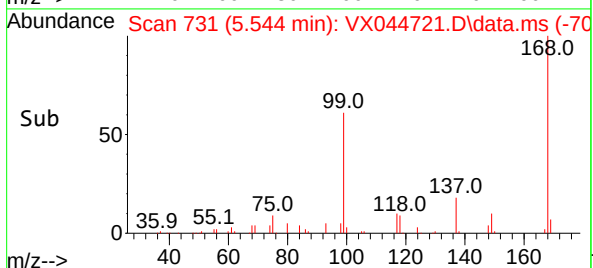
Tgt Ion:113 Resp: 93332
Ion Ratio Lower Upper
113 100
111 102.2 81.6 122.4
192 17.6 14.4 21.6

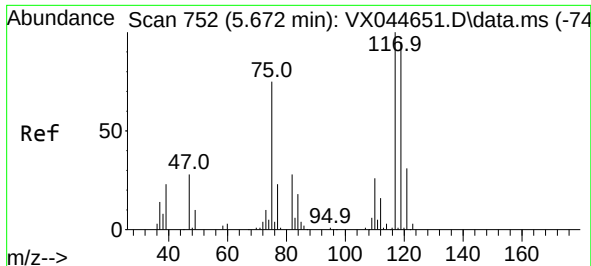


#36
1,1-Dichloropropene
Concen: 4.714 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09



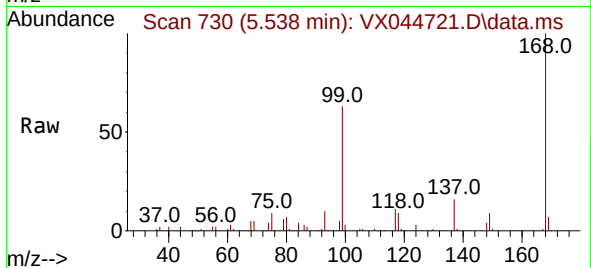
Tgt Ion: 75 Resp: 12051
Ion Ratio Lower Upper
75 100
110 8.5 17.9 53.8#
77 0.0 24.5 36.7#



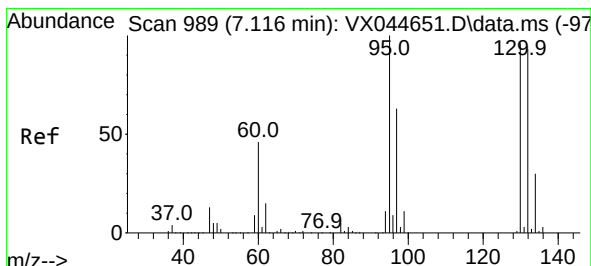
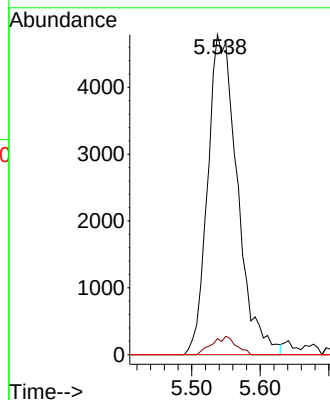
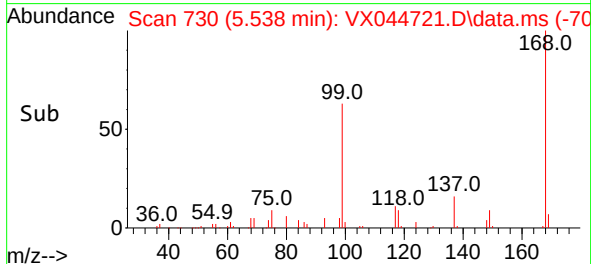


#38
Carbon Tetrachloride
Concen: 5.003 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Instrument :
MSVOA_X
ClientSampleId :

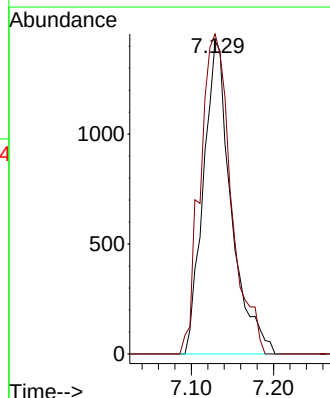
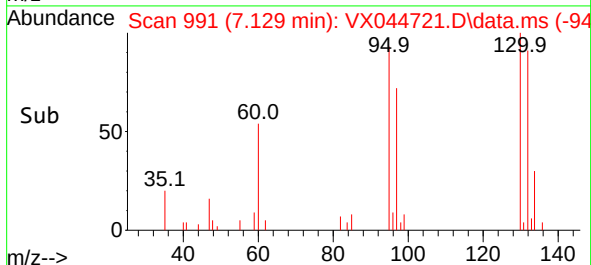
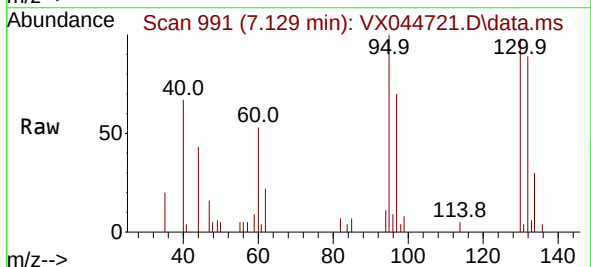


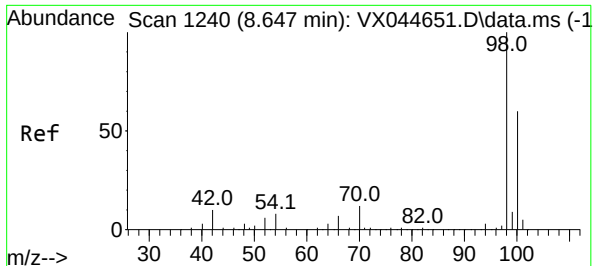
Tgt Ion:117 Resp: 14388
Ion Ratio Lower Upper
117 100
119 5.0 76.0 114.0#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 1.759 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Tgt Ion:130 Resp: 3350
Ion Ratio Lower Upper
130 100
95 102.3 0.0 208.2

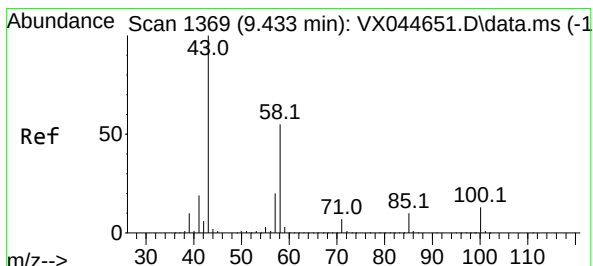
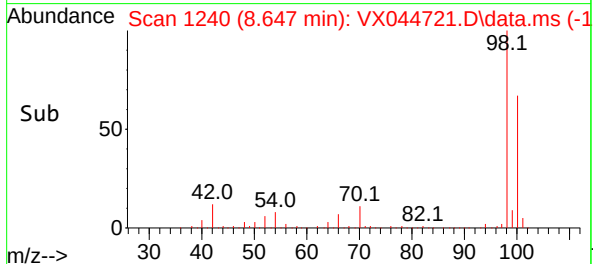
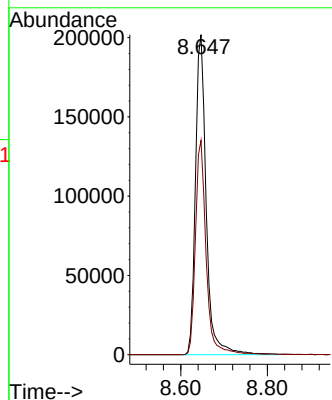
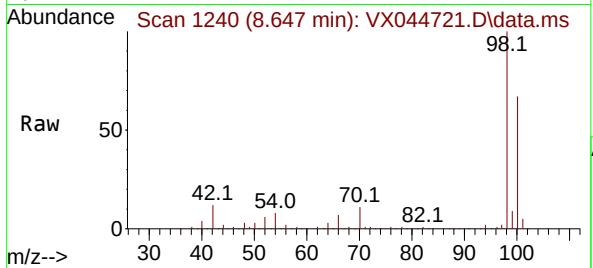




#50
Toluene-d8
Concen: 54.456 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

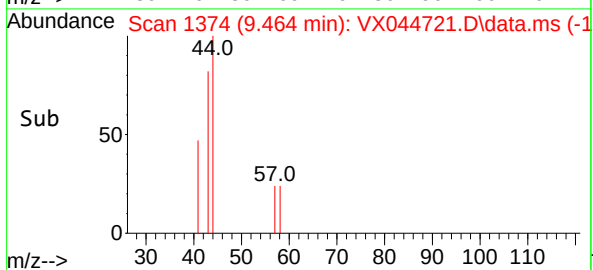
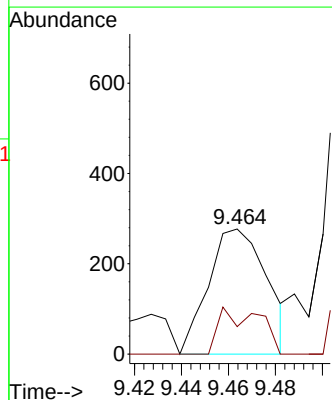
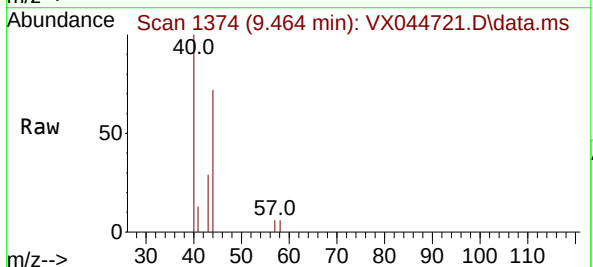
Instrument :
MSVOA_X
ClientSampleId :

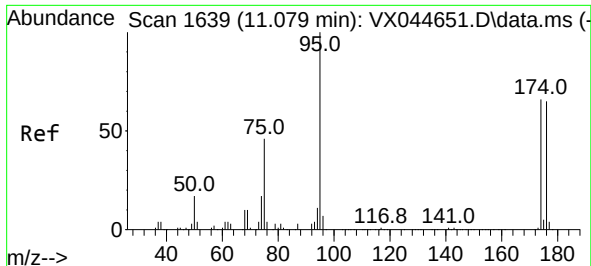
Tgt Ion: 98 Resp: 348739
Ion Ratio Lower Upper
98 100
100 66.4 53.2 79.8



#59
2-Hexanone
Concen: 0.234 ug/l
RT: 9.464 min Scan# 1374
Delta R.T. 0.031 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Tgt Ion: 43 Resp: 477
Ion Ratio Lower Upper
43 100
58 26.0 27.8 83.3#





#62

4-Bromofluorobenzene

Concen: 53.558 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044721.D

Acq: 27 Jan 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

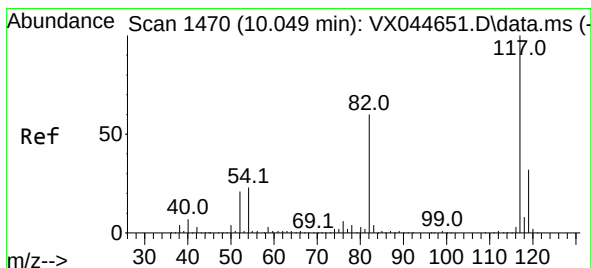
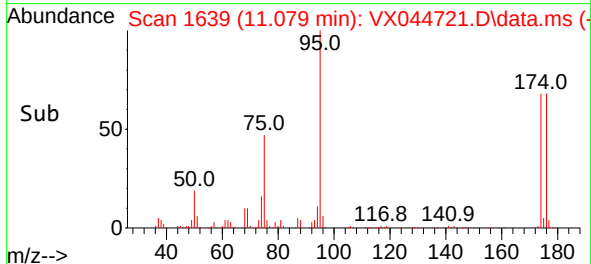
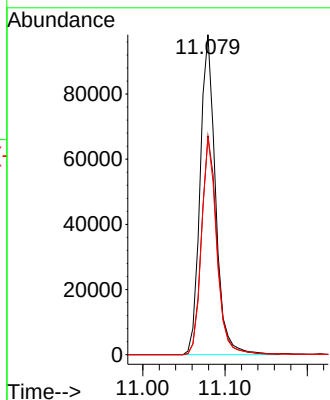
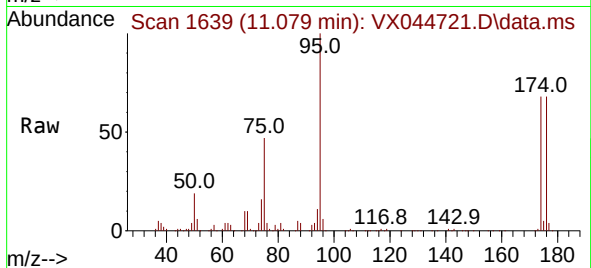
Tgt Ion: 95 Resp: 127861

Ion Ratio Lower Upper

95 100

174 68.9 0.0 133.0

176 67.1 0.0 129.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044721.D

Acq: 27 Jan 2025 14:09

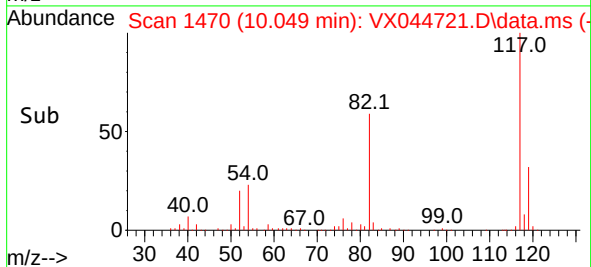
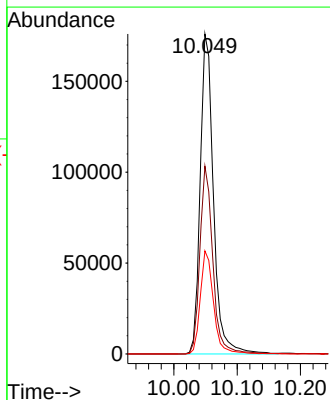
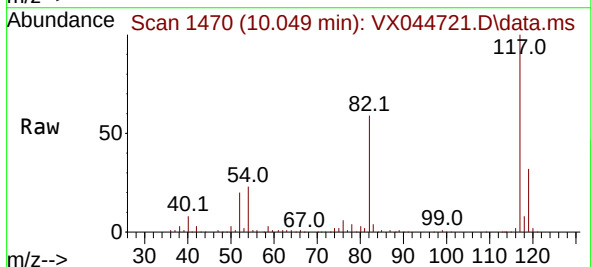
Tgt Ion: 117 Resp: 257515

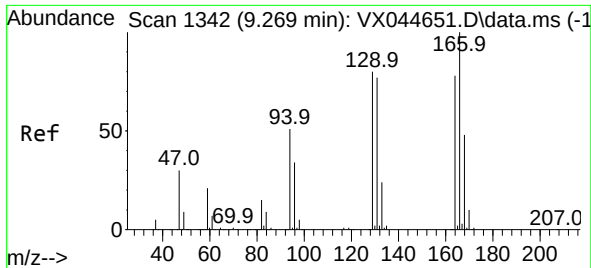
Ion Ratio Lower Upper

117 100

82 58.7 47.6 71.4

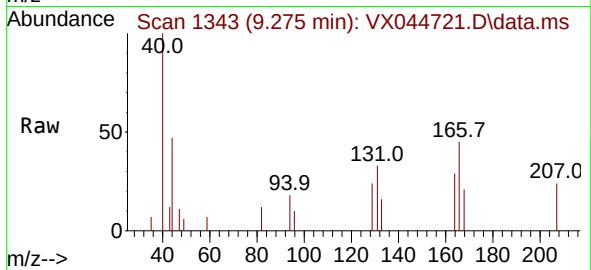
119 32.2 25.4 38.2



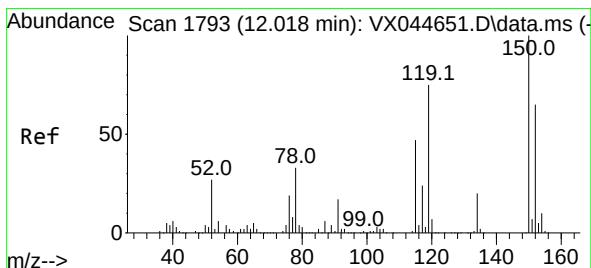
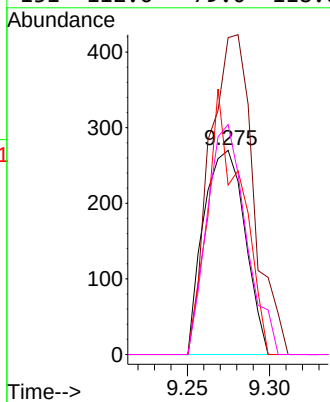
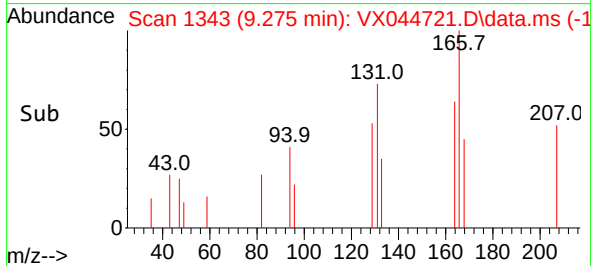


#64
Tetrachloroethene
Concen: 0.293 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

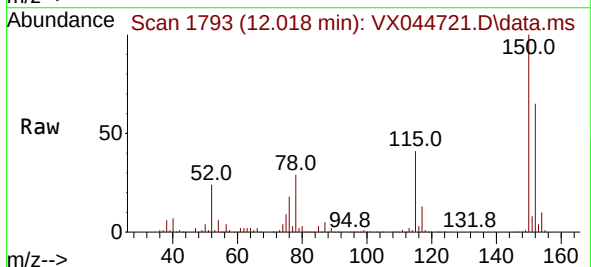
Instrument :
MSVOA_X
ClientSampleId :



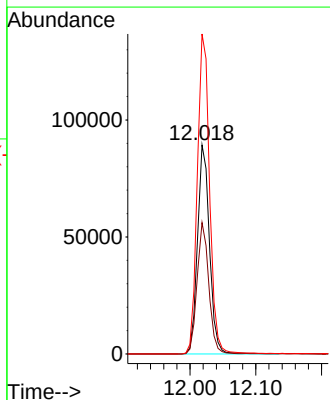
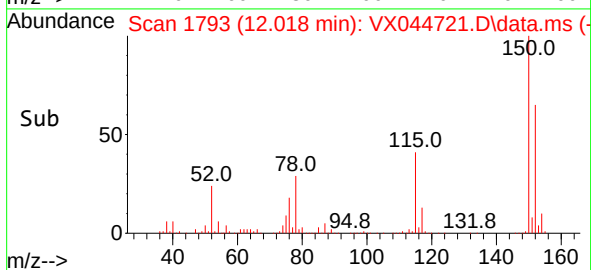
Tgt Ion:164 Resp: 474
Ion Ratio Lower Upper
164 100
166 155.2 102.0 153.0#
129 83.0 81.1 121.7
131 112.6 79.0 118.6

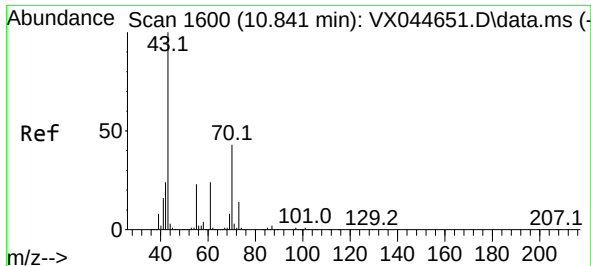


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09



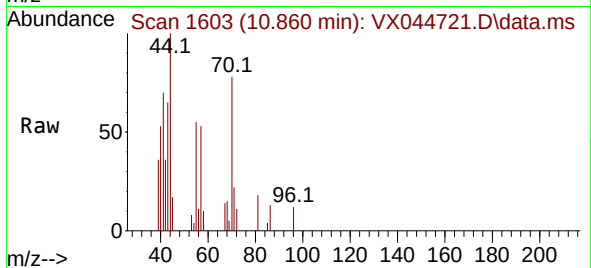
Tgt Ion:152 Resp: 112964
Ion Ratio Lower Upper
152 100
115 61.5 43.8 131.4
150 156.4 0.0 347.8



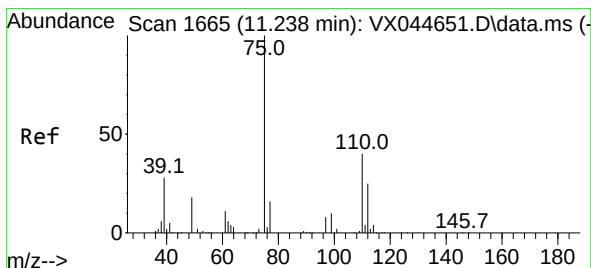
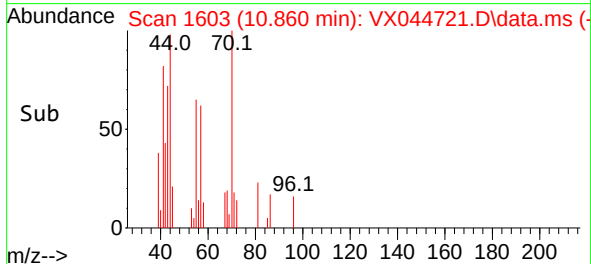
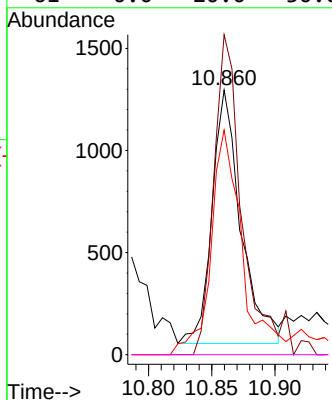


#74
N-amy1 acetate
Concen: 0.433 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Instrument :
MSVOA_X
ClientSampleId :

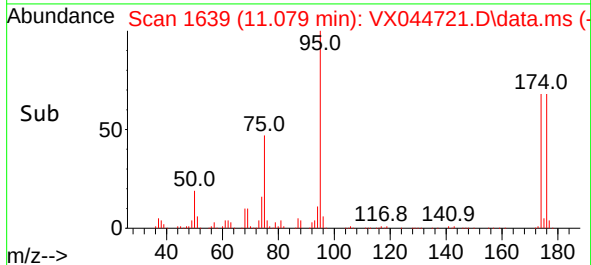
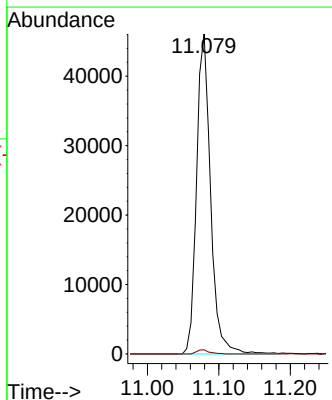
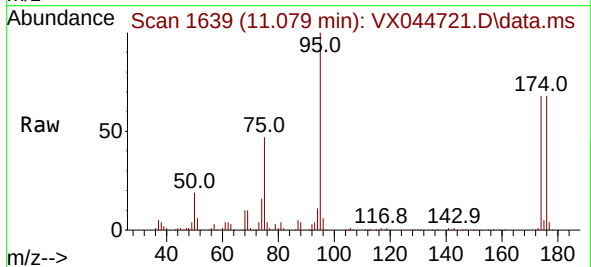


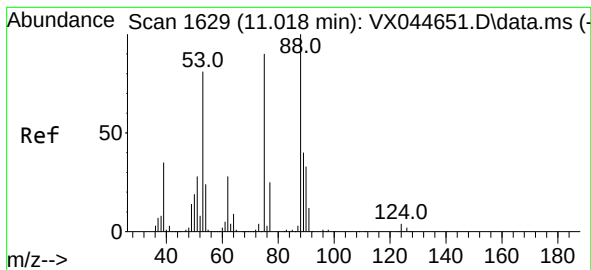
Tgt Ion:	43	Resp:	1970
Ion	Ratio	Lower	Upper
43	100		
70	127.3	35.2	52.8#
55	94.9	19.0	28.4#
61	0.0	20.0	30.0#



#76
1,2,3-Trichloropropane
Concen: 22.865 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Tgt Ion:	75	Resp:	62684
Ion	Ratio	Lower	Upper
75	100		
77	1.2	23.4	70.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.289 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044721.D
 Acq: 27 Jan 2025 14:09

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 62684
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.3 111.5#
 89 0.0 37.4 56.0#

