

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045549.D
 Acq On : 02 Apr 2025 16:04
 Operator : JC/MD
 Sample : Q1697-03 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IW-02-55-040125

Quant Time: Apr 03 01:54:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

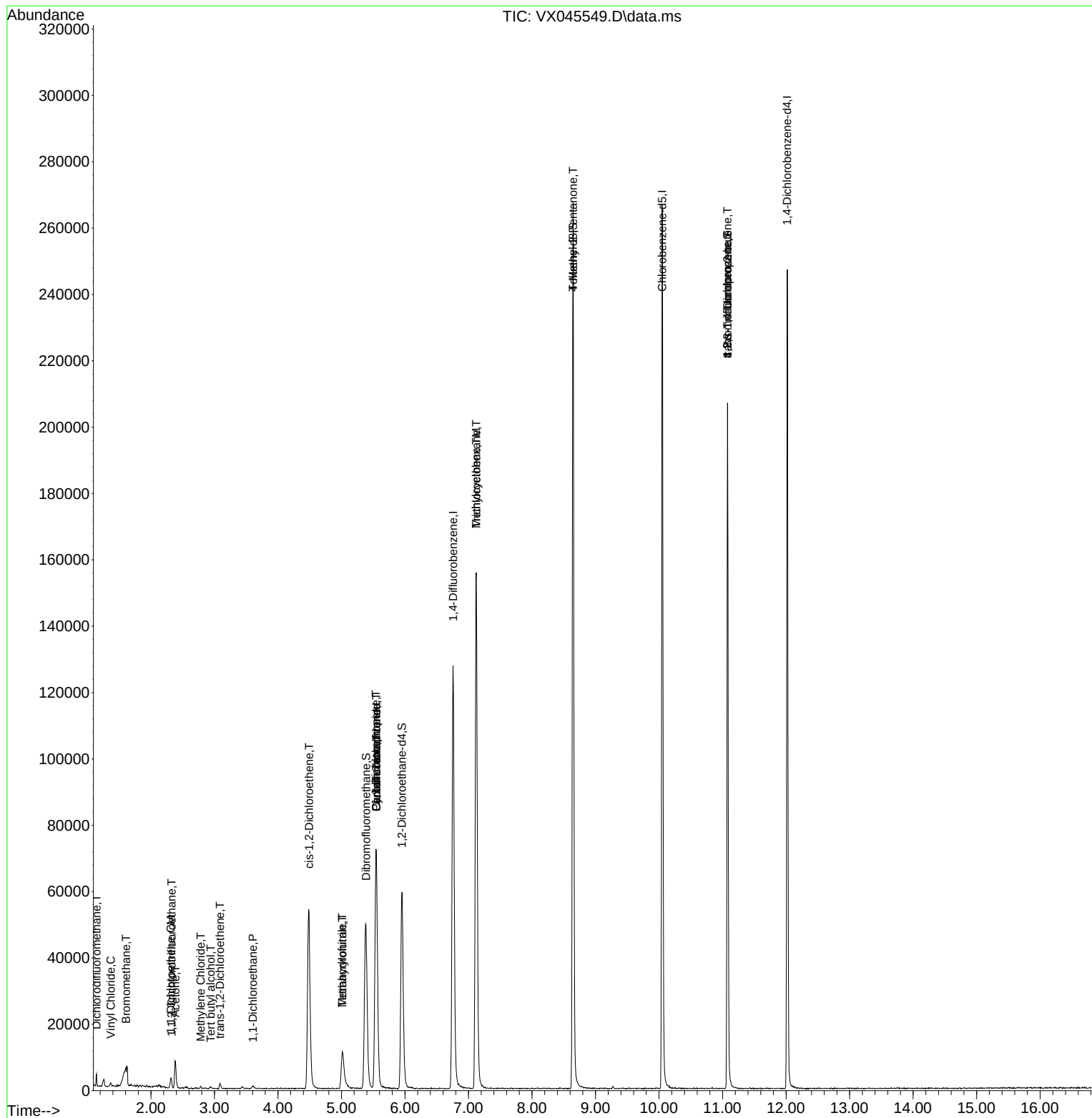
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	61634	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121248	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	109435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	45454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59791	53.047	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.100%	
35) Dibromofluoromethane	5.385	113	44244	51.431	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.860%	
50) Toluene-d8	8.647	98	148953	49.608	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.220%	
62) 4-Bromofluorobenzene	11.079	95	52356	47.870	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 95.740%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.142	85	281	0.305	ug/l	99
4) Vinyl Chloride	1.368	62	218	0.252	ug/l #	77
5) Bromomethane	1.605	94	87	0.212	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.325	101	615	0.812	ug/l	92
11) Tert butyl alcohol	2.940	59	83	0.548	ug/l #	72
12) 1,1-Dichloroethene	2.312	96	629	0.850	ug/l	94
16) Acetone	2.386	43	9285	20.061	ug/l	94
20) Methylene Chloride	2.782	84	212	0.245	ug/l #	75
21) trans-1,2-Dichloroethene	3.087	96	586	0.775	ug/l	82
24) 1,1-Dichloroethane	3.605	63	1254	0.802	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	33302	36.160	ug/l	89
29) Tetrahydrofuran	5.013	42	11104	25.280	ug/l	96
31) Cyclohexane	5.550	56	1915	1.385	ug/l #	56
36) 1,1-Dichloropropene	5.544	75	5842	5.030	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7266	5.788	ug/l #	18
39) Methylcyclohexane	7.123	83	837	0.588	ug/l #	1
41) Methacrylonitrile	5.013	41	7099	9.192	ug/l #	52
44) Trichloroethene	7.123	130	56383	66.871	ug/l	93
51) 4-Methyl-2-Pentanone	8.647	43	797	0.542	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	31246	28.182	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31246	95.645	ug/l #	1

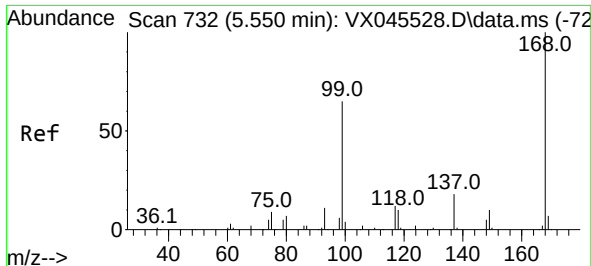
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045549.D
Acq On : 02 Apr 2025 16:04
Operator : JC/MD
Sample : Q1697-03 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125

Quant Time: Apr 03 01:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

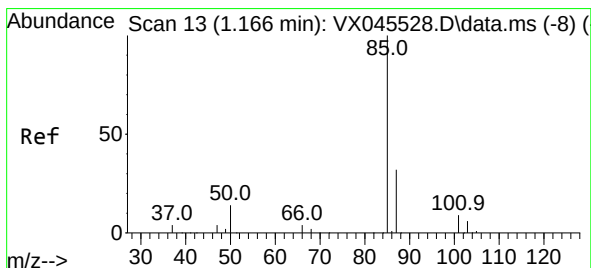
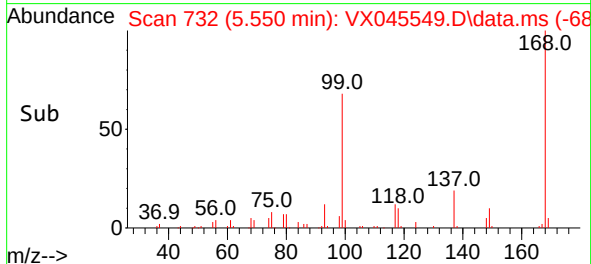
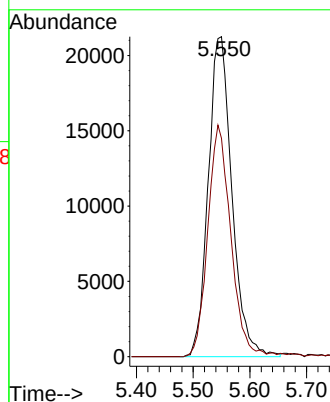
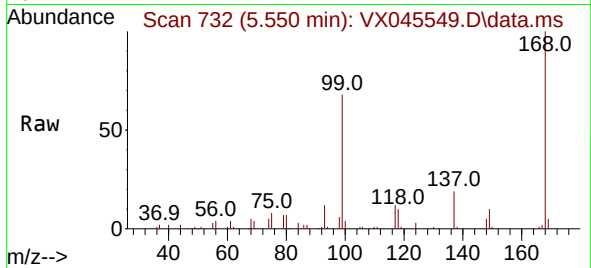




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

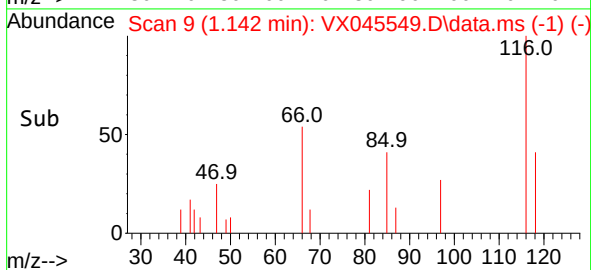
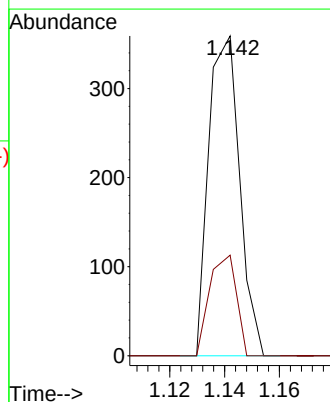
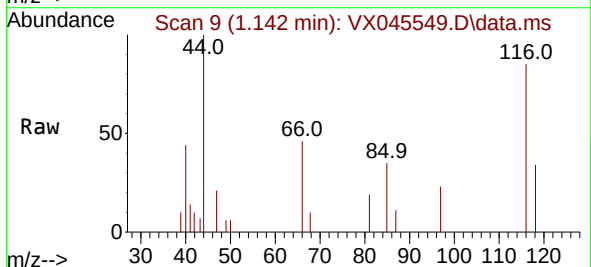
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125

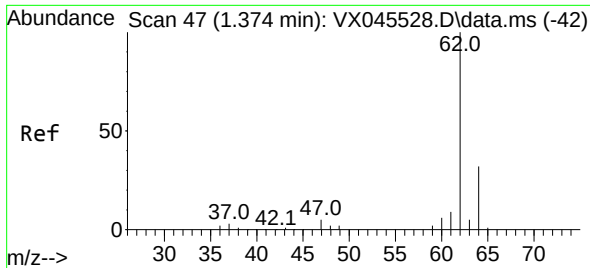
Tgt Ion:168 Resp: 61634
Ion Ratio Lower Upper
168 100
99 68.2 52.3 78.5



#2
Dichlorodifluoromethane
Concen: 0.305 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

Tgt Ion: 85 Resp: 281
Ion Ratio Lower Upper
85 100
87 31.5 16.1 48.2

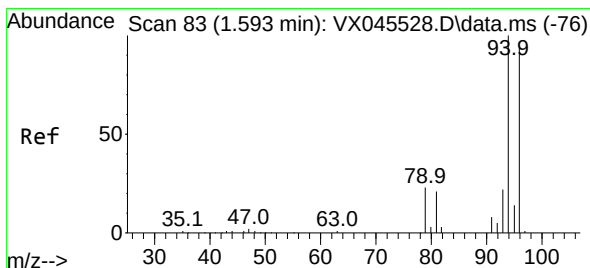
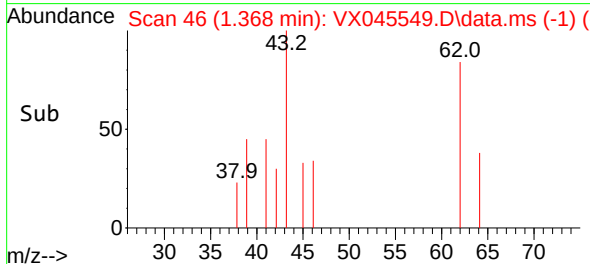
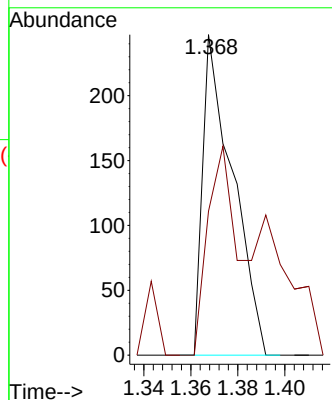
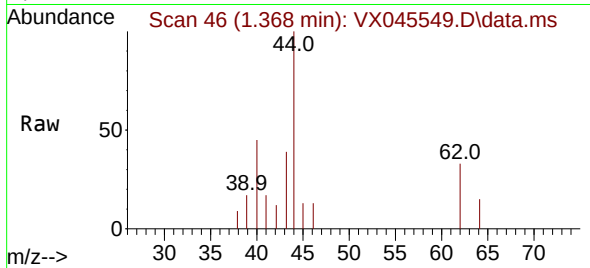




#4
 Vinyl Chloride
 Concen: 0.252 ug/l
 RT: 1.368 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX045549.D
 Acq: 02 Apr 2025 16:04

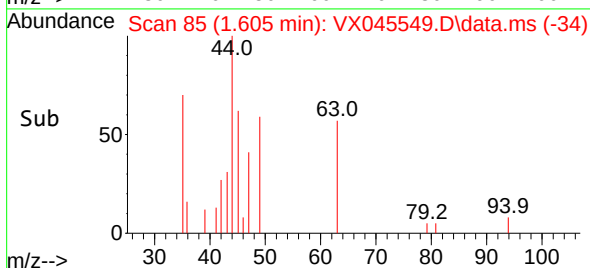
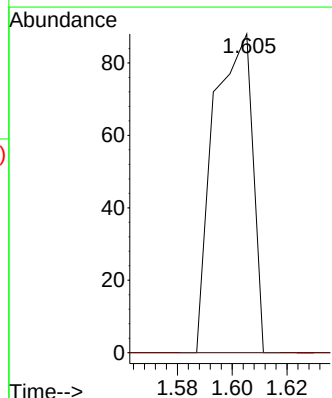
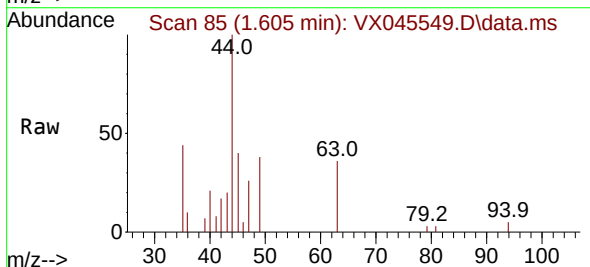
Instrument :
 MSVOA_X
 ClientSampleId :
 IW-02-55-040125

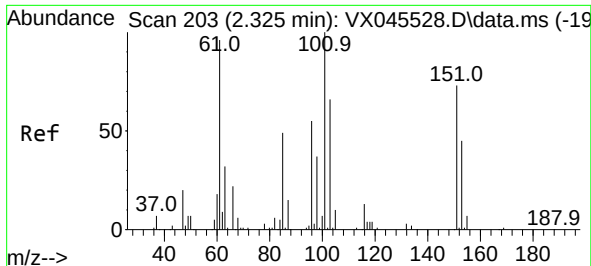
Tgt Ion: 62 Resp: 218
 Ion Ratio Lower Upper
 62 100
 64 44.9 25.5 38.3#



#5
 Bromomethane
 Concen: 0.212 ug/l
 RT: 1.605 min Scan# 85
 Delta R.T. 0.012 min
 Lab File: VX045549.D
 Acq: 02 Apr 2025 16:04

Tgt Ion: 94 Resp: 87
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.8 112.2#

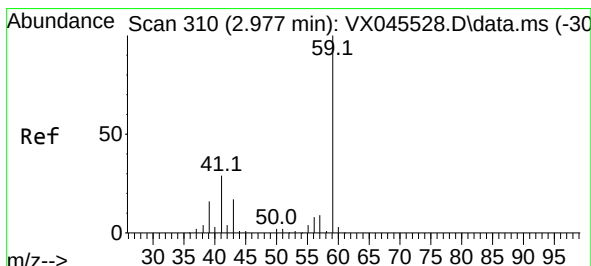
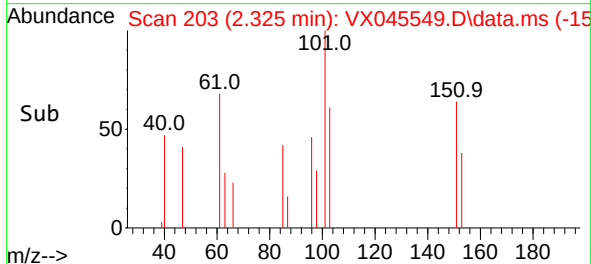
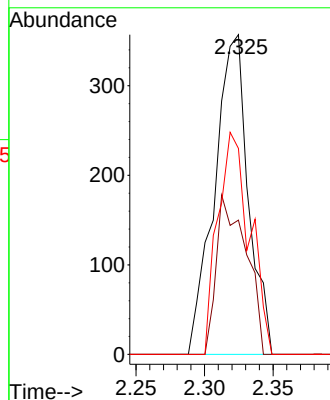
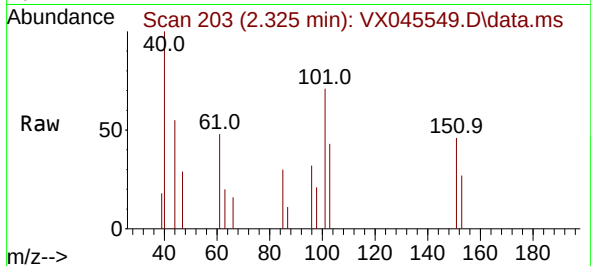




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.812 ug/l
RT: 2.325 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

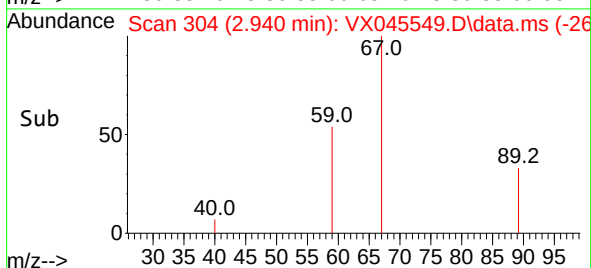
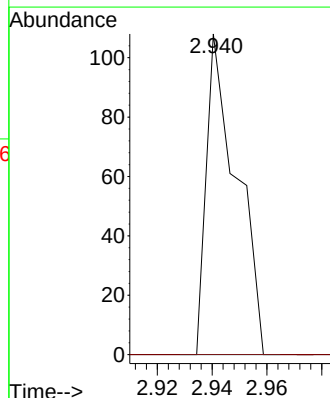
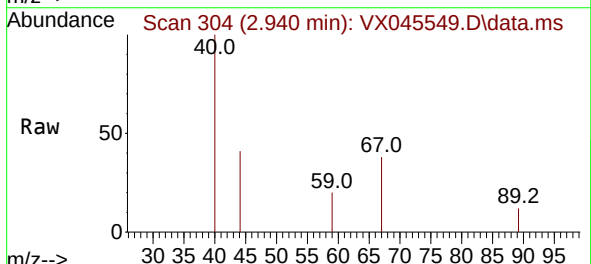
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125

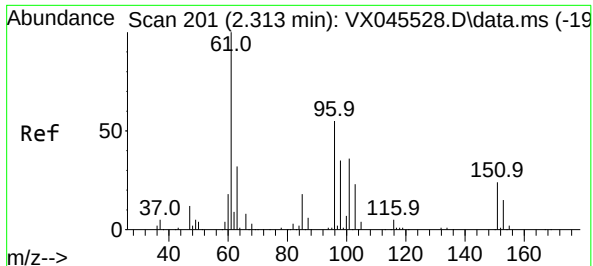
Tgt Ion:101 Resp: 615
Ion Ratio Lower Upper
101 100
85 43.7 38.9 58.3
151 65.4 57.5 86.3



#11
Tert butyl alcohol
Concen: 0.548 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

Tgt Ion: 59 Resp: 83
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#12

1,1-Dichloroethene

Concen: 0.850 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX045549.D

Acq: 02 Apr 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

IW-02-55-040125

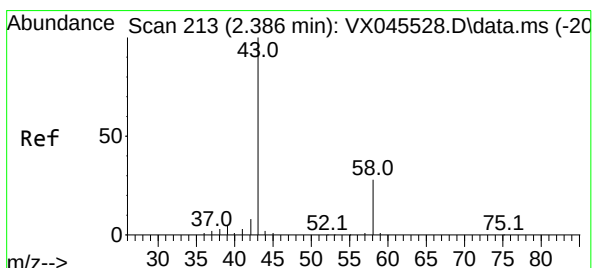
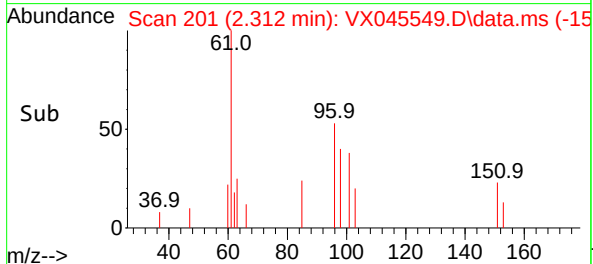
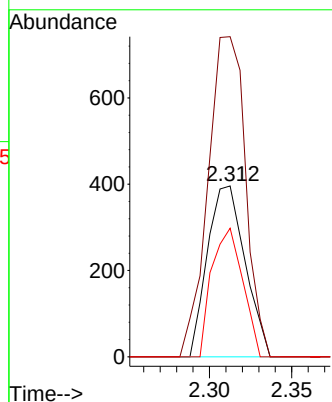
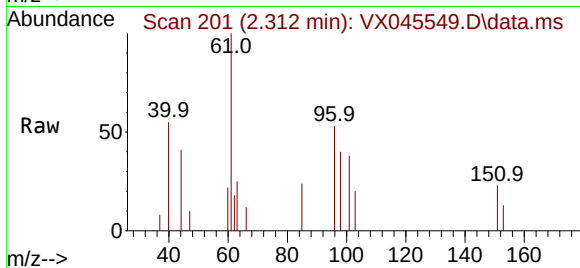
Tgt Ion: 96 Resp: 629

Ion Ratio Lower Upper

96 100

61 187.4 145.7 218.5

98 75.3 51.6 77.4



#16

Acetone

Concen: 20.061 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045549.D

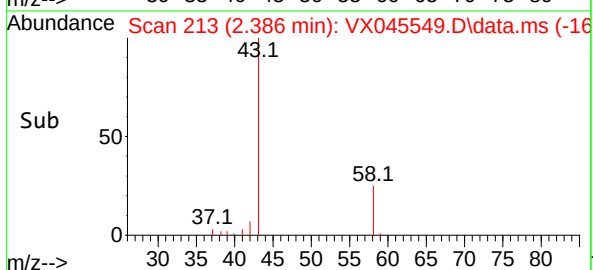
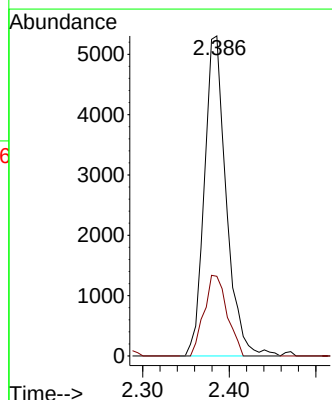
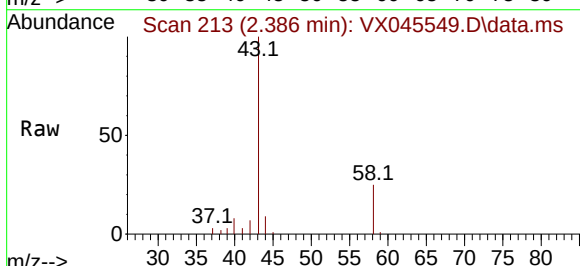
Acq: 02 Apr 2025 16:04

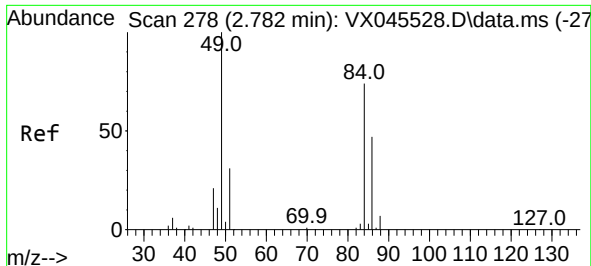
Tgt Ion: 43 Resp: 9285

Ion Ratio Lower Upper

43 100

58 24.9 22.3 33.5

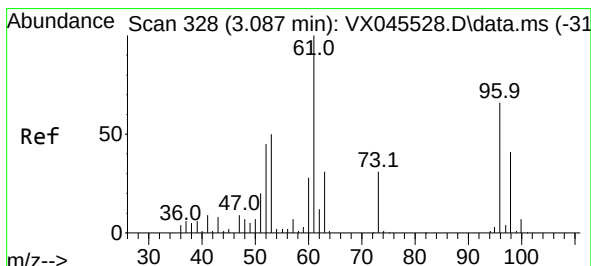
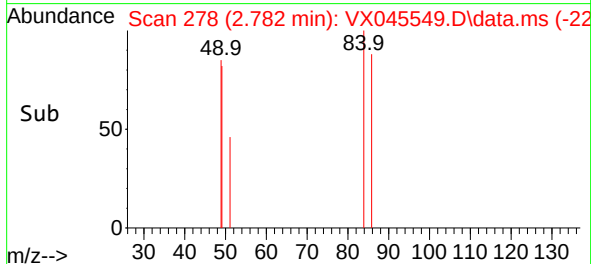
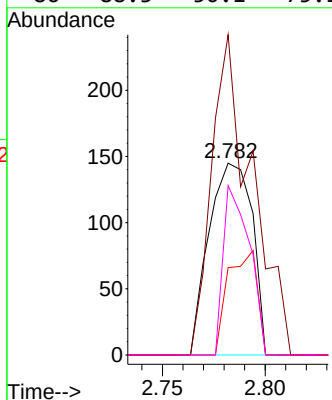
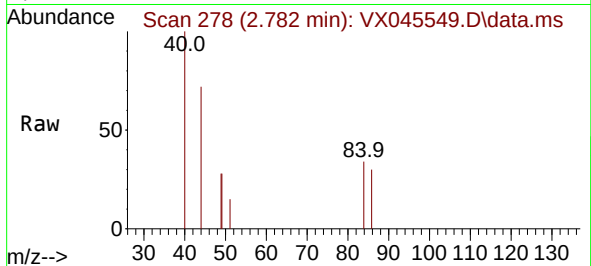




#20
Methylene Chloride
Concen: 0.245 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

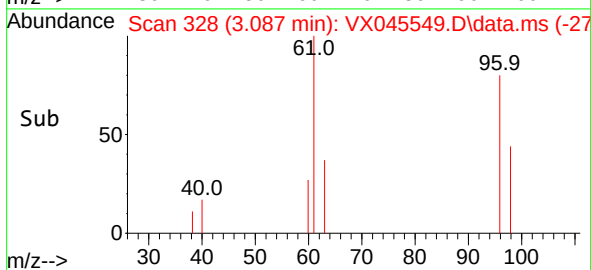
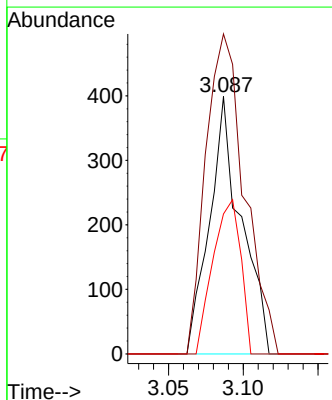
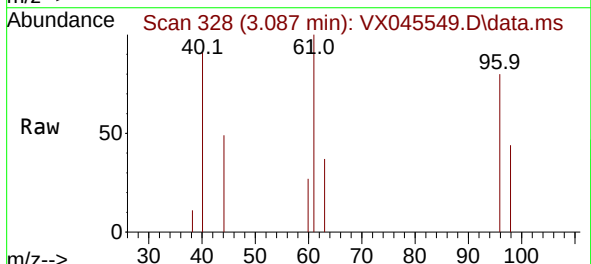
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125

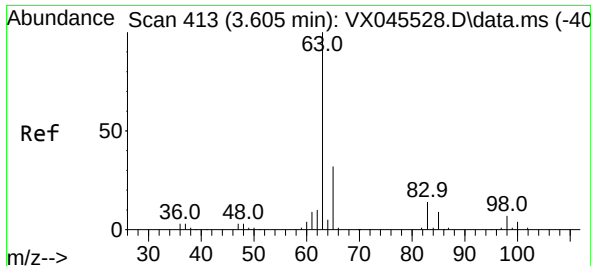
Tgt Ion:	84	Resp:	212
Ion	Ratio	Lower	Upper
84	100		
49	166.9	107.5	161.3#
51	45.5	33.0	49.6
86	88.3	50.1	75.1#



#21
trans-1,2-Dichloroethene
Concen: 0.775 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.000 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

Tgt Ion:	96	Resp:	586
Ion	Ratio	Lower	Upper
96	100		
61	124.3	121.0	181.6
98	54.4	49.7	74.5

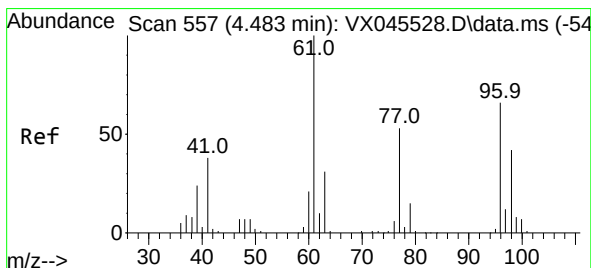
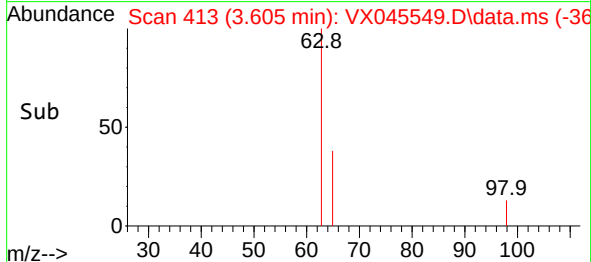
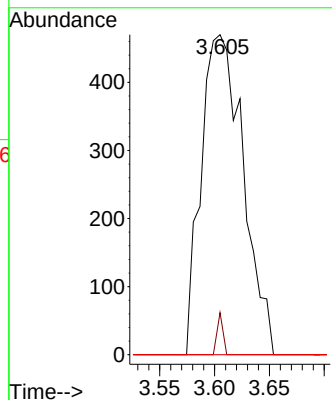
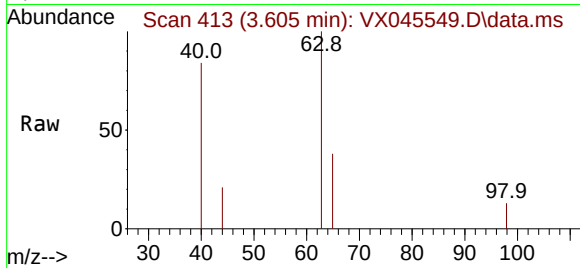




#24
 1,1-Dichloroethane
 Concen: 0.802 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX045549.D
 Acq: 02 Apr 2025 16:04

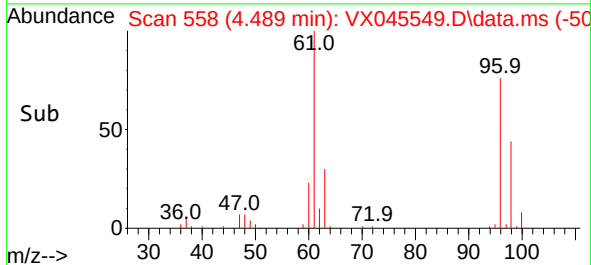
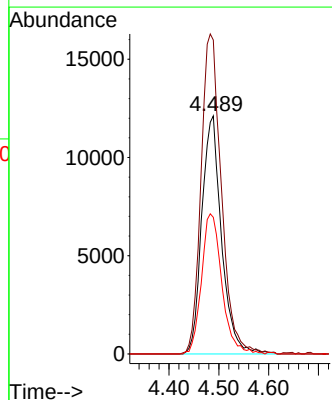
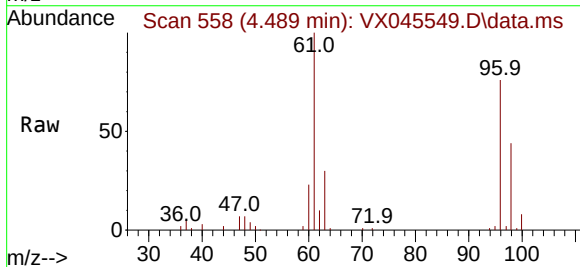
Instrument :
 MSVOA_X
 ClientSampleId :
 IW-02-55-040125

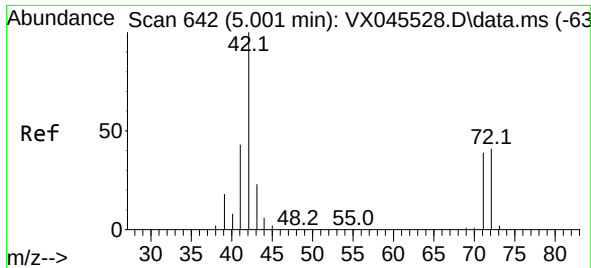
Tgt Ion: 63 Resp: 1254
 Ion Ratio Lower Upper
 63 100
 98 13.2 3.4 10.1#
 100 0.0 2.2 6.6#



#27
 cis-1,2-Dichloroethene
 Concen: 36.160 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.006 min
 Lab File: VX045549.D
 Acq: 02 Apr 2025 16:04

Tgt Ion: 96 Resp: 33302
 Ion Ratio Lower Upper
 96 100
 61 138.8 0.0 313.2
 98 60.8 0.0 126.4





#29

Tetrahydrofuran

Concen: 25.280 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX045549.D

Acq: 02 Apr 2025 16:04

Instrument :

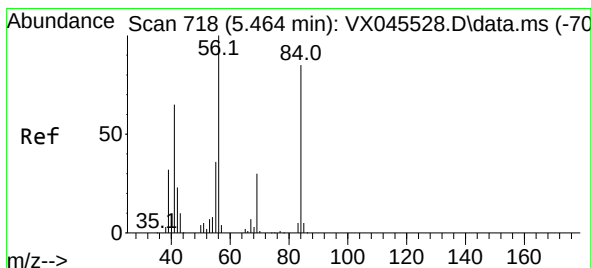
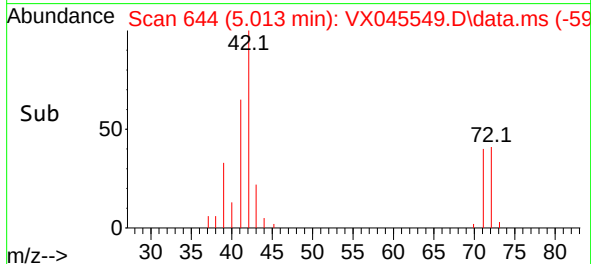
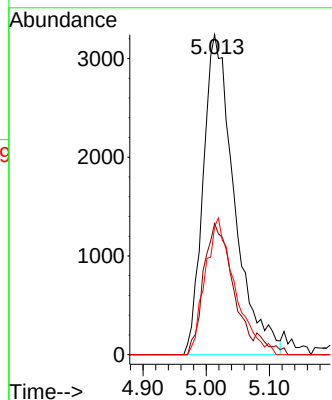
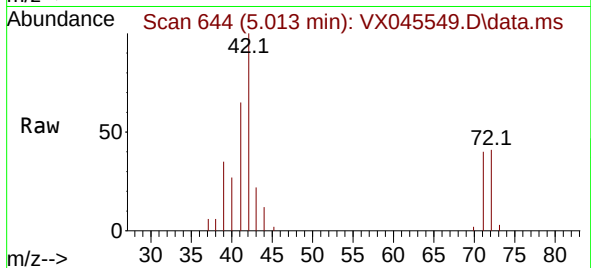
MSVOA_X

ClientSampleId :

IW-02-55-040125

Tgt Ion: 42 Resp: 11104

Ion	Ratio	Lower	Upper
42	100		
72	38.1	33.4	50.0
71	40.8	31.4	47.0



#31

Cyclohexane

Concen: 1.385 ug/l

RT: 5.550 min Scan# 732

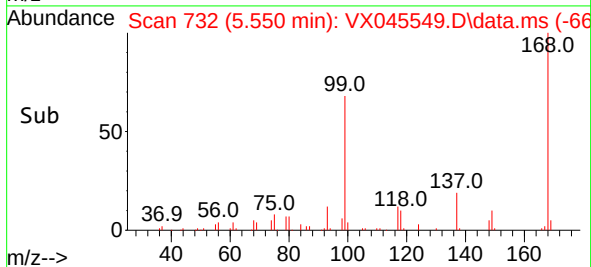
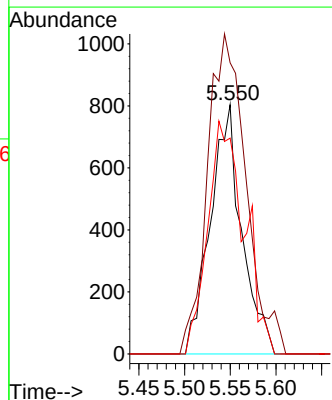
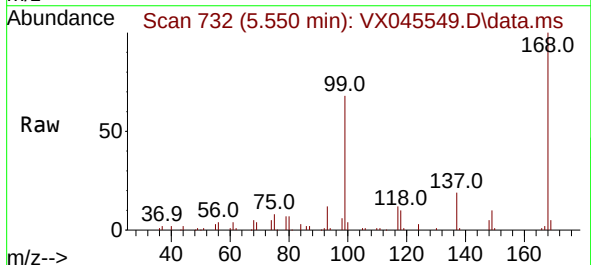
Delta R.T. 0.085 min

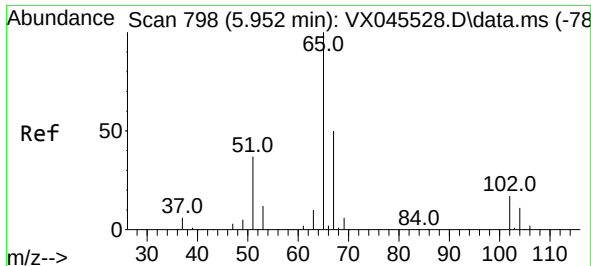
Lab File: VX045549.D

Acq: 02 Apr 2025 16:04

Tgt Ion: 56 Resp: 1915

Ion	Ratio	Lower	Upper
56	100		
69	116.8	23.6	35.4#
84	86.6	67.7	101.5





#33

1,2-Dichloroethane-d4

Concen: 53.047 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045549.D

Acq: 02 Apr 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

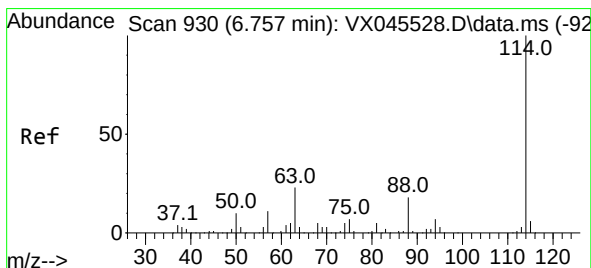
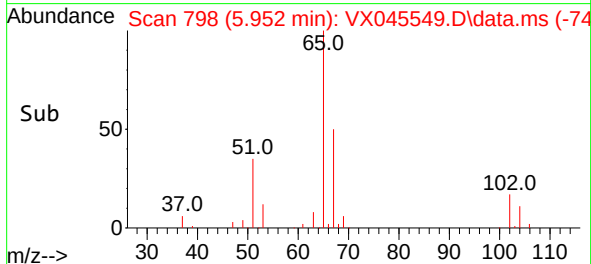
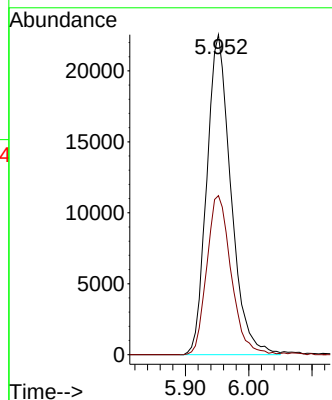
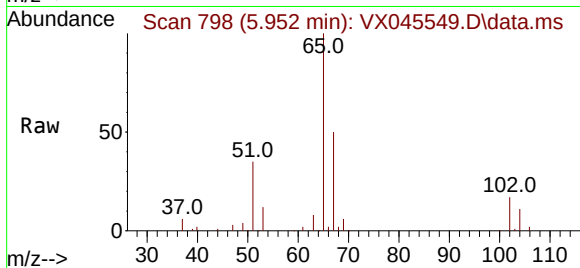
IW-02-55-040125

Tgt Ion: 65 Resp: 59791

Ion Ratio Lower Upper

65 100

67 50.1 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045549.D

Acq: 02 Apr 2025 16:04

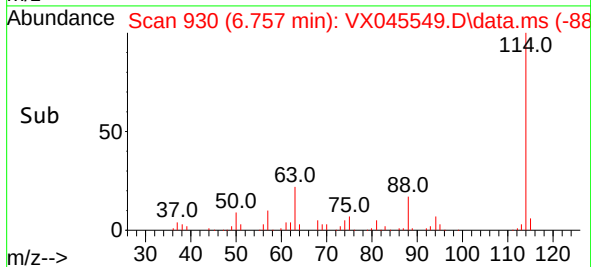
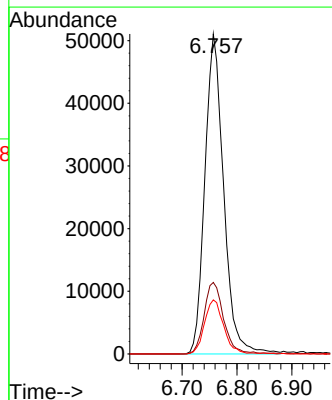
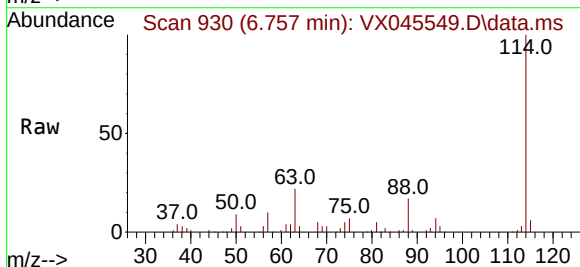
Tgt Ion: 114 Resp: 121248

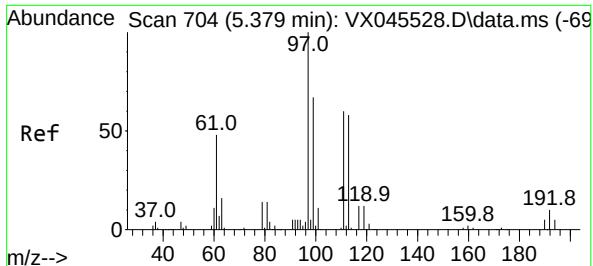
Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.8

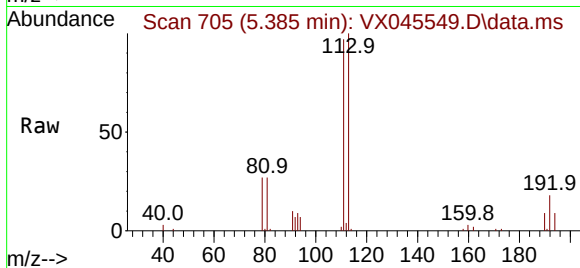
88 16.9 0.0 35.4



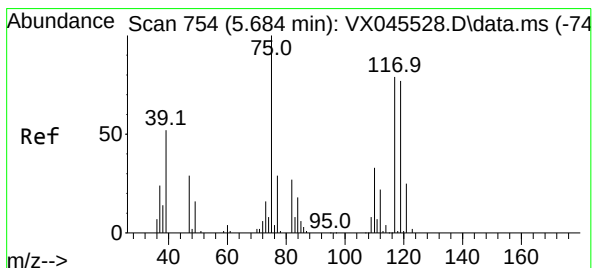
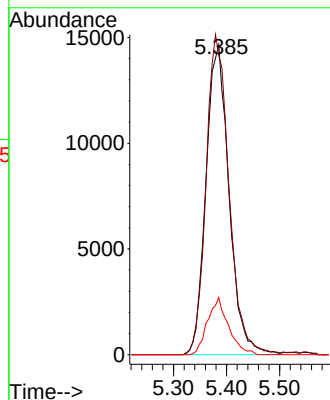
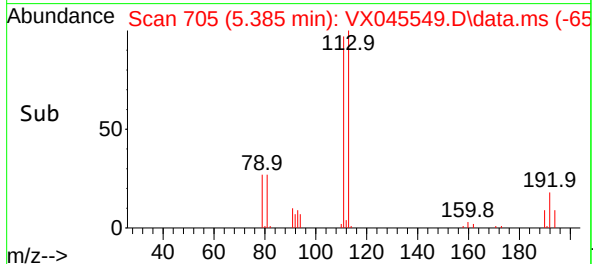


#35
Dibromofluoromethane
Concen: 51.431 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125

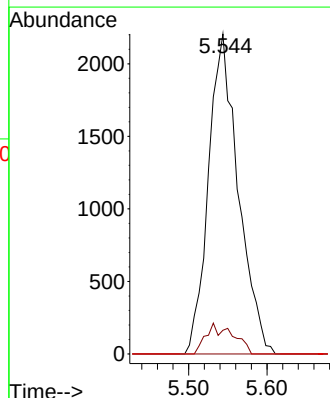
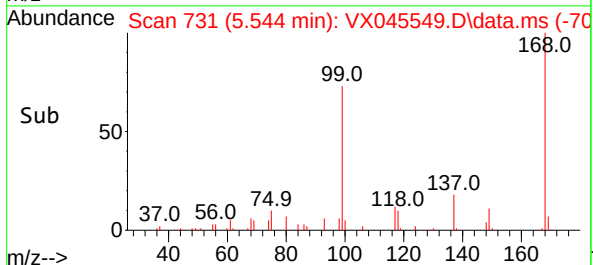
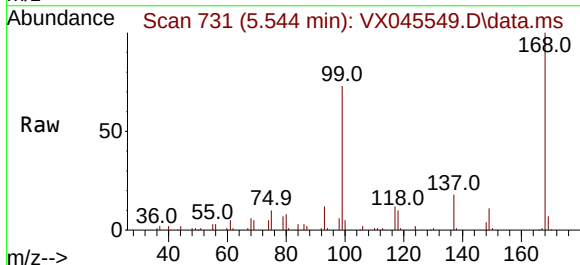


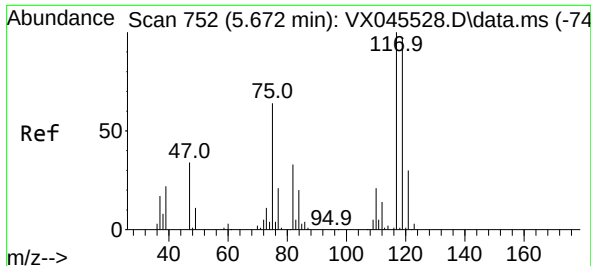
Tgt Ion:113 Resp: 44244
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.6
192 16.7 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.030 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

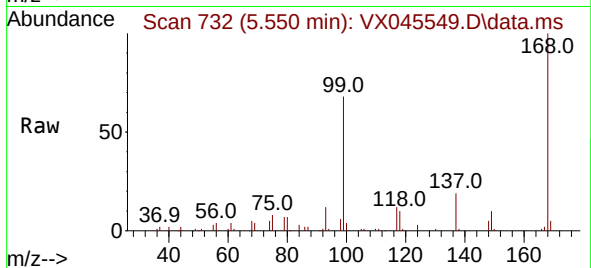
Tgt Ion: 75 Resp: 5842
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.6#
77 0.0 25.0 37.4#



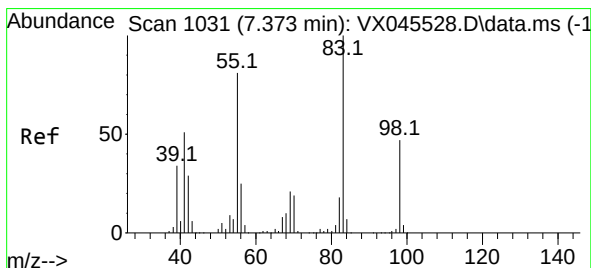
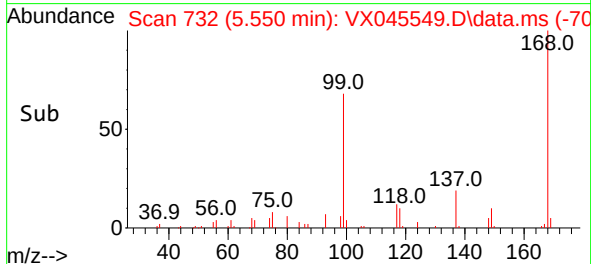
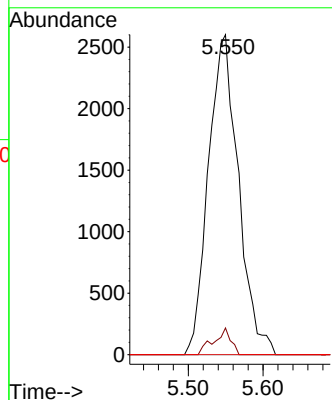


#38
Carbon Tetrachloride
Concen: 5.788 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125

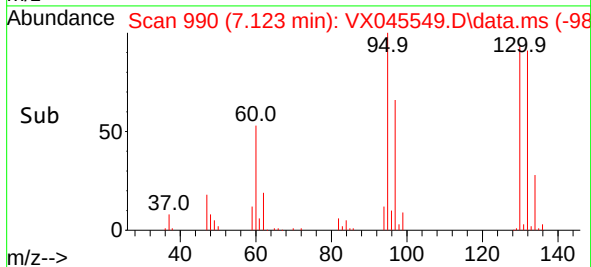
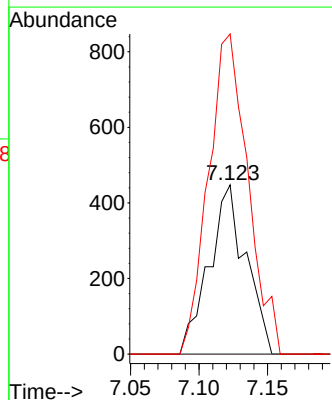
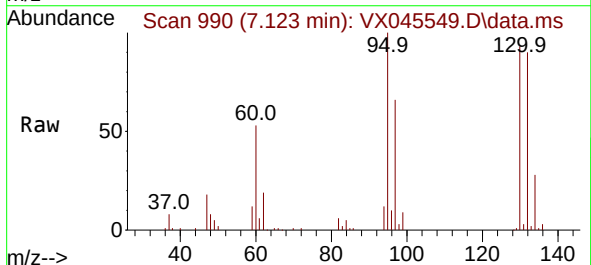


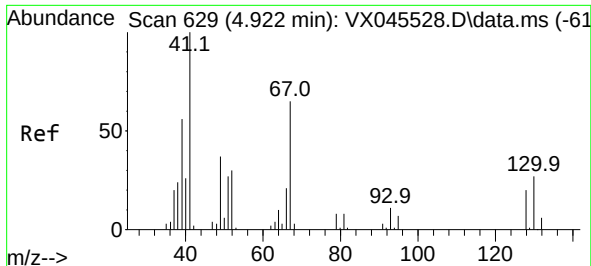
Tgt Ion:117 Resp: 7266
Ion Ratio Lower Upper
117 100
119 8.3 76.9 115.3#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.588 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

Tgt Ion: 83 Resp: 837
Ion Ratio Lower Upper
83 100
55 0.0 64.9 97.3#
98 189.1 37.4 56.0#

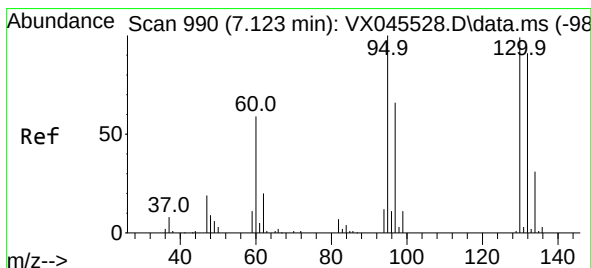
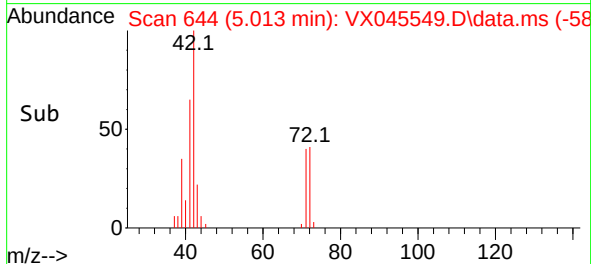
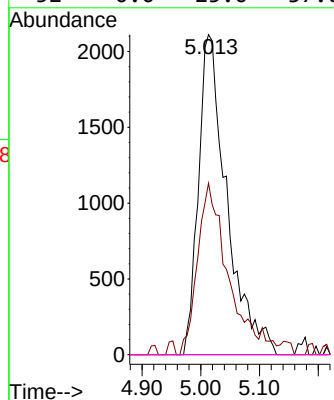
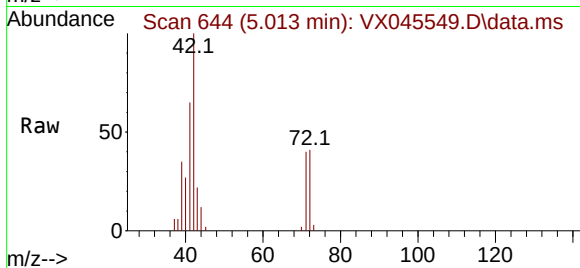




#41
Methacrylonitrile
Concen: 9.192 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.091 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

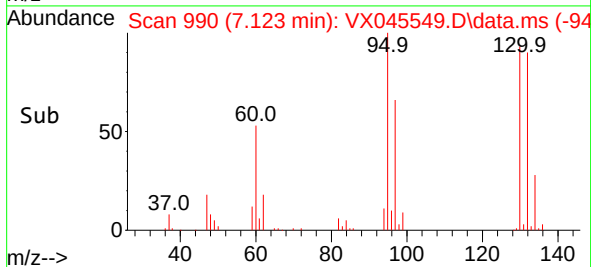
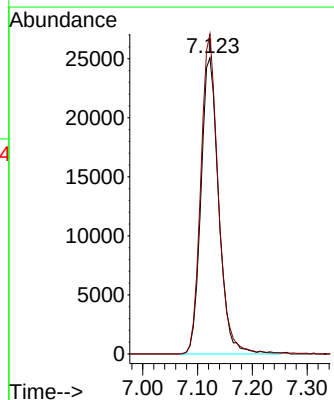
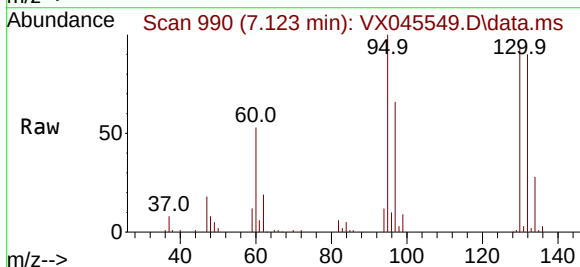
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125

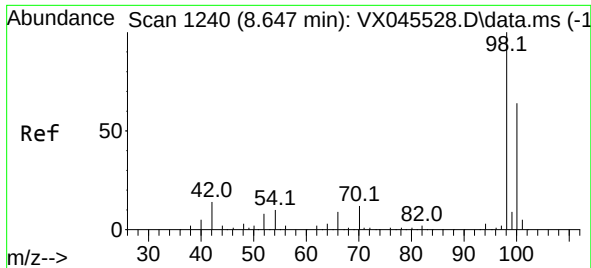
Tgt Ion:	41	Resp:	7099
Ion	Ratio	Lower	Upper
41	100		
39	55.9	47.0	70.6
67	0.0	53.2	79.8#
52	0.0	25.0	37.6#



#44
Trichloroethene
Concen: 66.871 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

Tgt Ion:	130	Resp:	56383
Ion	Ratio	Lower	Upper
130	100		
95	108.0	0.0	202.0

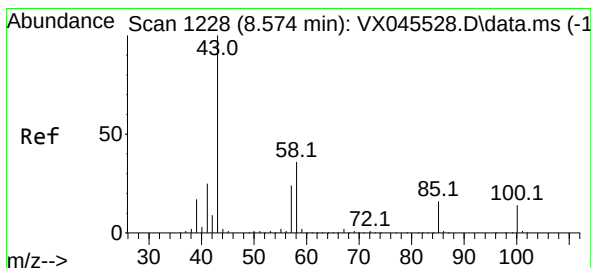
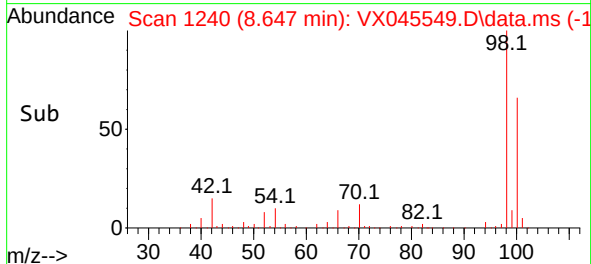
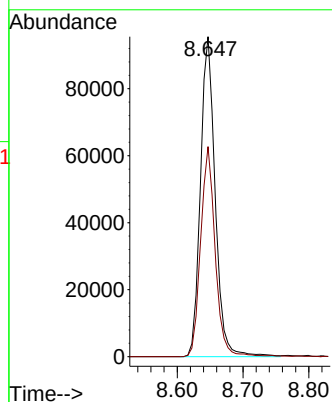
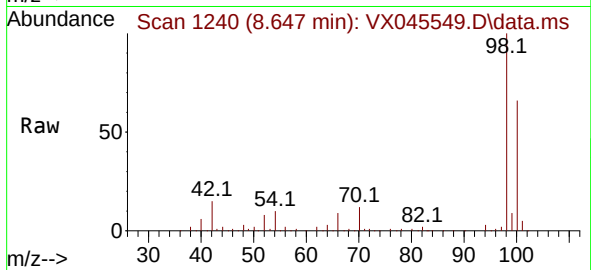




#50
Toluene-d8
Concen: 49.608 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

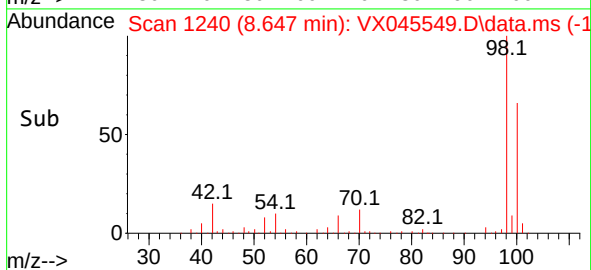
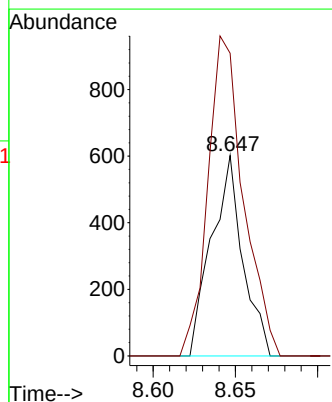
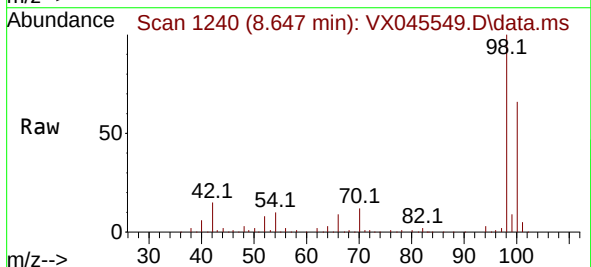
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125

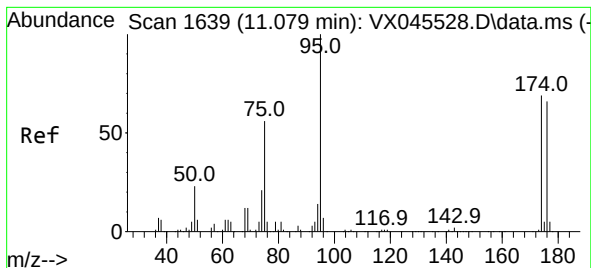
Tgt Ion: 98 Resp: 148953
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.542 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

Tgt Ion: 43 Resp: 797
Ion Ratio Lower Upper
43 100
58 181.1 28.5 42.7#

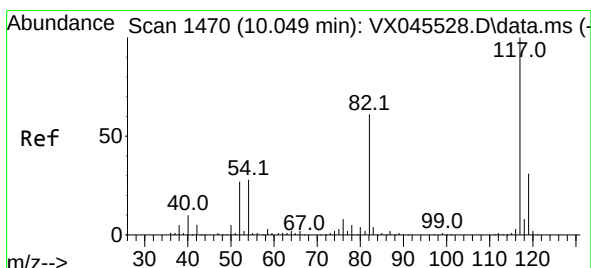
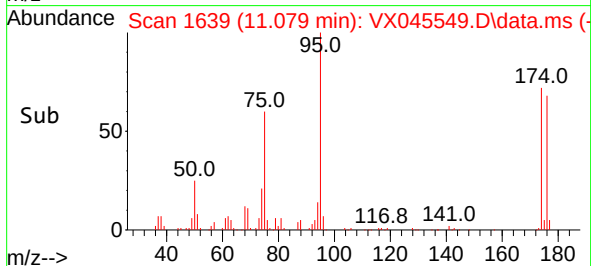
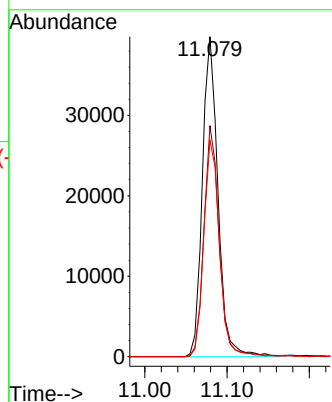
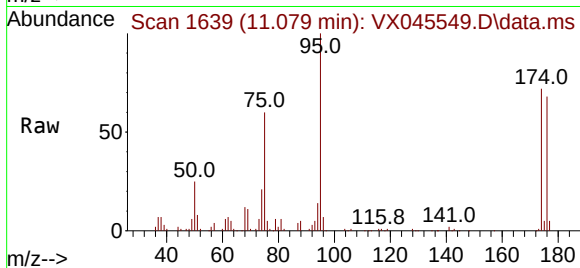




#62
4-Bromofluorobenzene
Concen: 47.870 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

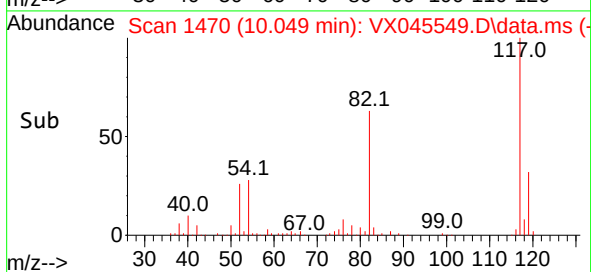
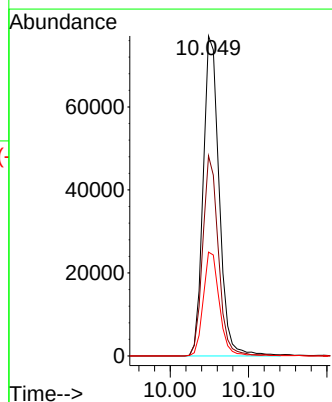
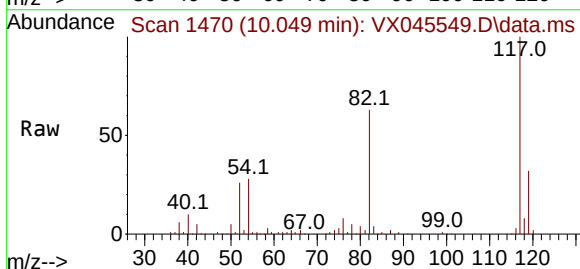
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125

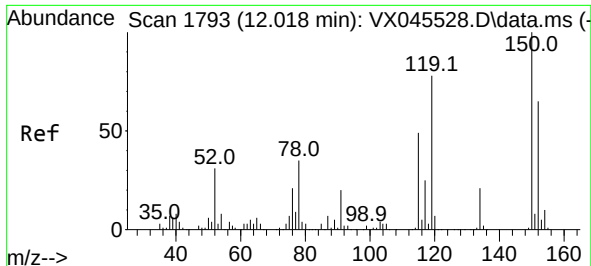
Tgt Ion: 95 Resp: 52356
Ion Ratio Lower Upper
95 100
174 70.7 0.0 135.8
176 68.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045549.D
Acq: 02 Apr 2025 16:04

Tgt Ion: 117 Resp: 109435
Ion Ratio Lower Upper
117 100
82 62.6 49.2 73.8
119 32.5 25.1 37.7

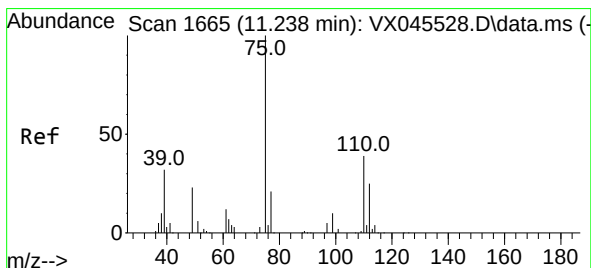
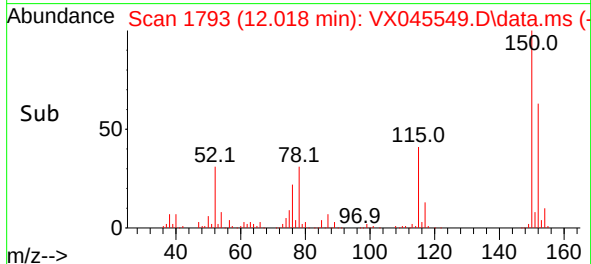
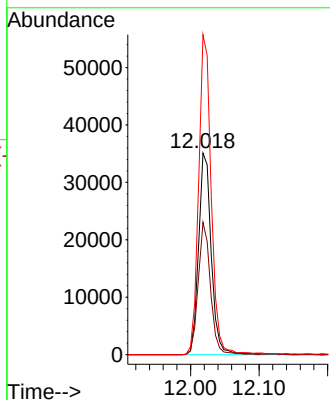
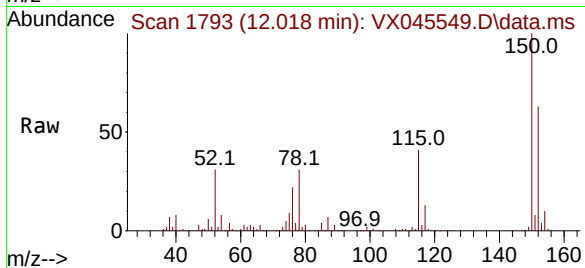




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045549.D
 Acq: 02 Apr 2025 16:04

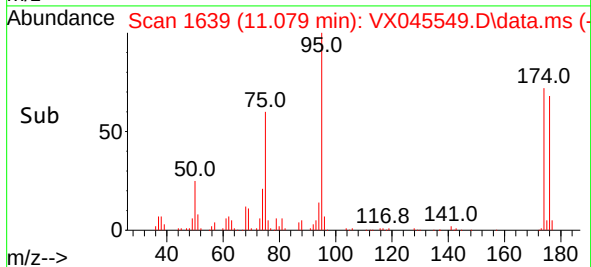
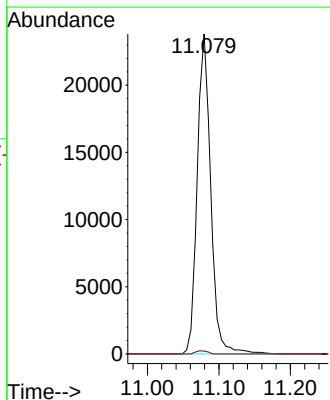
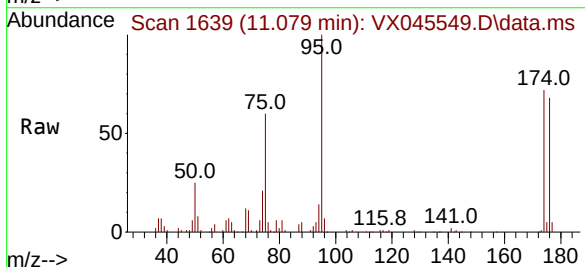
Instrument :
 MSVOA_X
 ClientSampleId :
 IW-02-55-040125

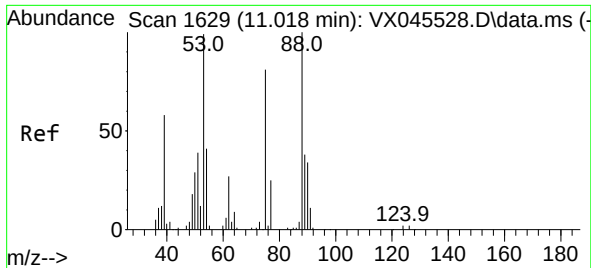
Tgt Ion:152 Resp: 45454
 Ion Ratio Lower Upper
 152 100
 115 63.3 46.9 140.7
 150 158.3 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 28.182 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045549.D
 Acq: 02 Apr 2025 16:04

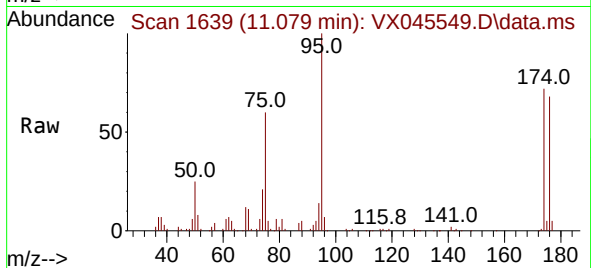
Tgt Ion: 75 Resp: 31246
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.645 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045549.D
 Acq: 02 Apr 2025 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 IW-02-55-040125



Tgt Ion: 75 Resp: 31246

Ion	Ratio	Lower	Upper
75	100		
53	0.0	101.8	152.6#
89	0.0	37.2	55.8#

