

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042825\
 Data File : VX045966.D
 Acq On : 28 Apr 2025 18:55
 Operator : JC/MD
 Sample : Q1900-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-2

Quant Time: Apr 29 01:36:33 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)

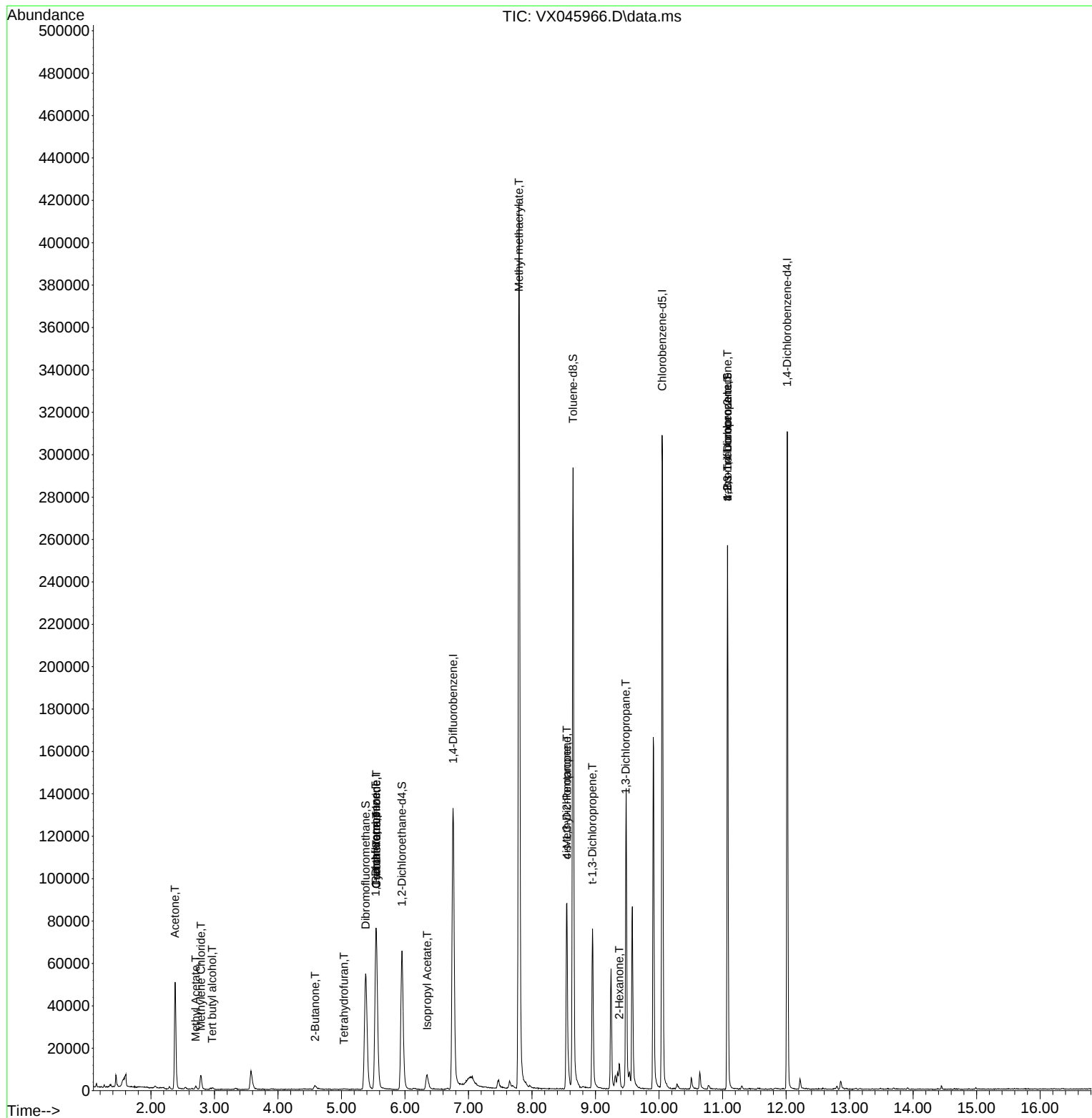
Internal Standards						
1) Pentafluorobenzene	5.543	168	64585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130657	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65372	55.349	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.700%	
35) Dibromofluoromethane	5.379	113	47526	51.268	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.540%	
50) Toluene-d8	8.646	98	166699	51.520	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.040%	
62) 4-Bromofluorobenzene	11.079	95	63637	53.995	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	850	5.355	ug/l #	72
16) Acetone	2.379	43	55692	114.831	ug/l	97
18) Methyl Acetate	2.702	43	1967	1.762	ug/l	93
20) Methylene Chloride	2.788	84	3235	3.563	ug/l	98
25) 2-Butanone	4.586	43	4592	6.468	ug/l #	87
29) Tetrahydrofuran	5.037	42	380	0.826	ug/l #	40
31) Cyclohexane	5.549	56	1957	1.351	ug/l #	28
36) 1,1-Dichloropropene	5.537	75	6334	5.061	ug/l #	49
38) Carbon Tetrachloride	5.549	117	7791	5.759	ug/l #	18
43) Isopropyl Acetate	6.348	43	11008	4.605	ug/l	97
48) Methyl methacrylate	7.793	41	42148	34.146	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	36456	23.003	ug/l #	48
53) t-1,3-Dichloropropene	8.951	75	117	2.369	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13590	9.890	ug/l #	68
57) 1,3-Dichloropropane	9.476	76	1101	0.686	ug/l #	42
59) 2-Hexanone	9.372	43	9846	8.390	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	37213	27.906	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37213	94.708	ug/l #	1

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

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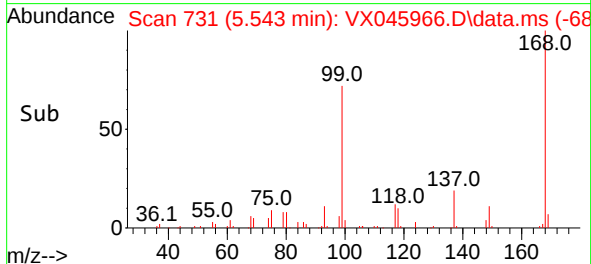
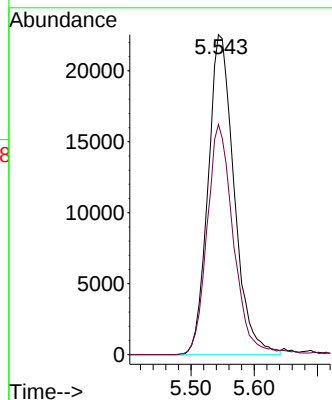
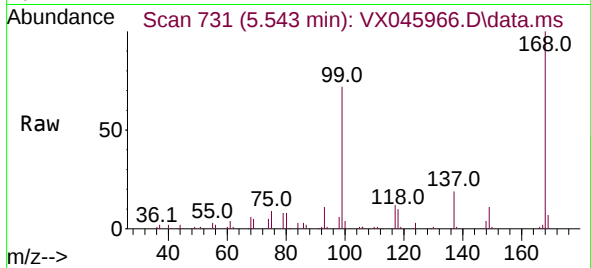




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55

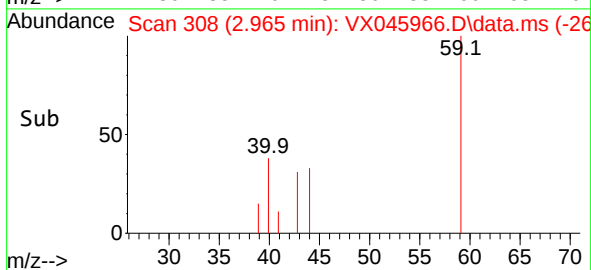
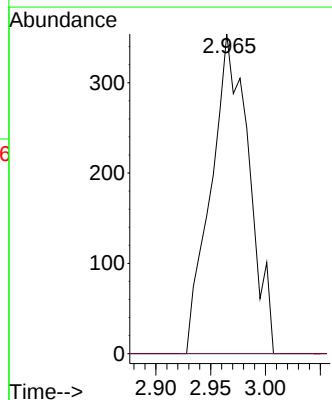
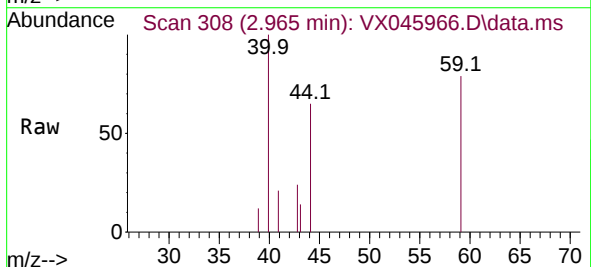
Instrument :
MSVOA_X
ClientSampleId :
WC-2

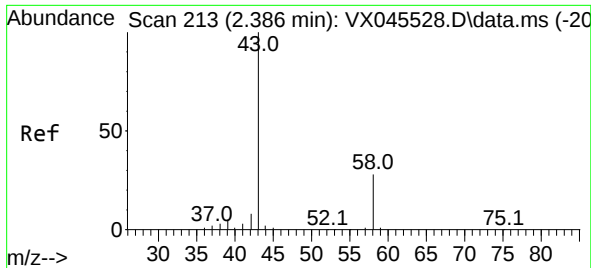
Tgt Ion:168 Resp: 64585
Ion Ratio Lower Upper
168 100
99 71.7 52.3 78.5



#11
Tert butyl alcohol
Concen: 5.355 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.013 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55

Tgt Ion: 59 Resp: 850
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

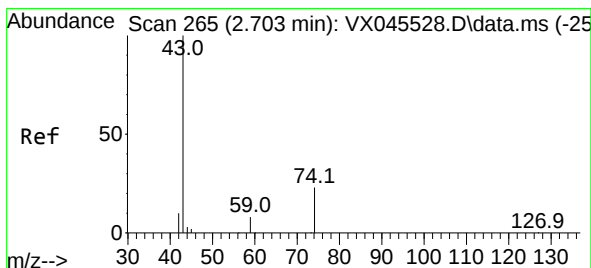
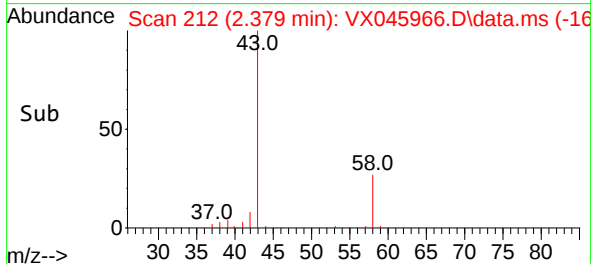
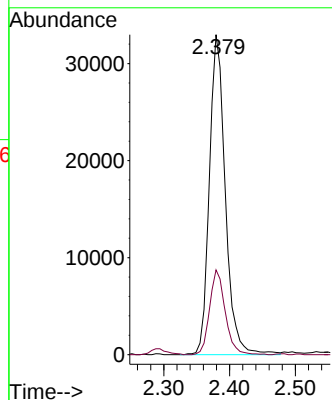
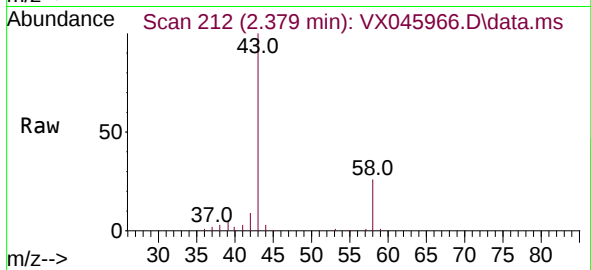




#16
Acetone
Concen: 114.831 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55

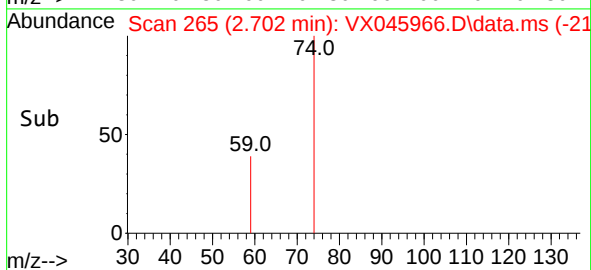
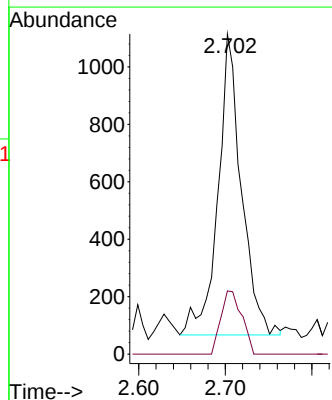
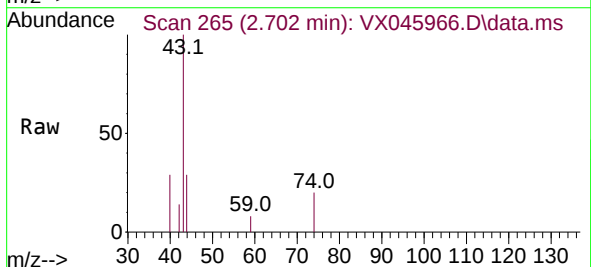
Instrument :
MSVOA_X
ClientSampleId :
WC-2

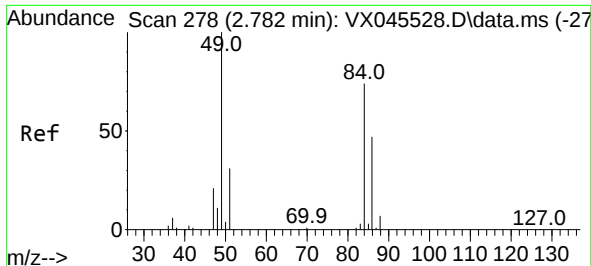
Tgt Ion: 43 Resp: 55692
Ion Ratio Lower Upper
43 100
58 26.2 22.3 33.5



#18
Methyl Acetate
Concen: 1.762 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55

Tgt Ion: 43 Resp: 1967
Ion Ratio Lower Upper
43 100
74 18.7 17.5 26.3

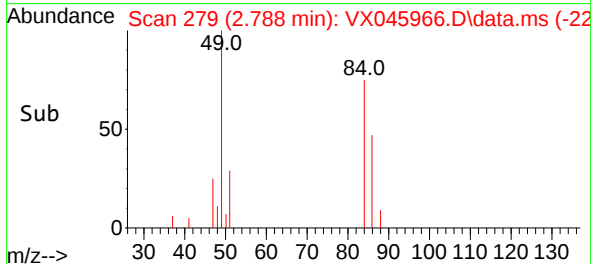
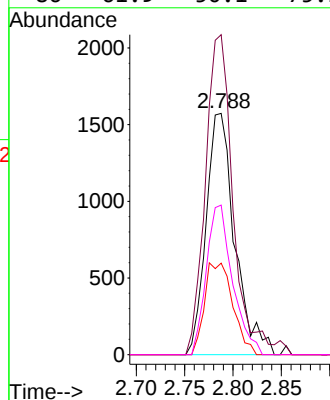
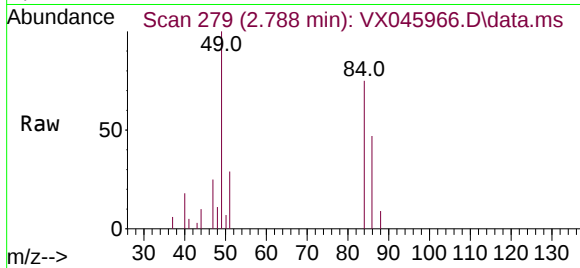




#20
Methylene Chloride
Concen: 3.563 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55

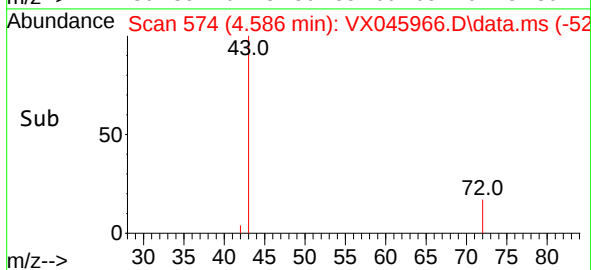
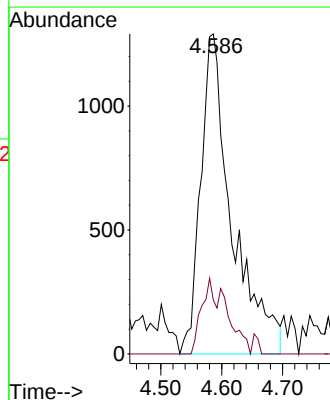
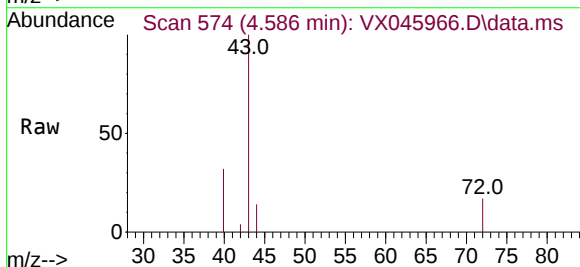
Instrument :
MSVOA_X
ClientSampleId :
WC-2

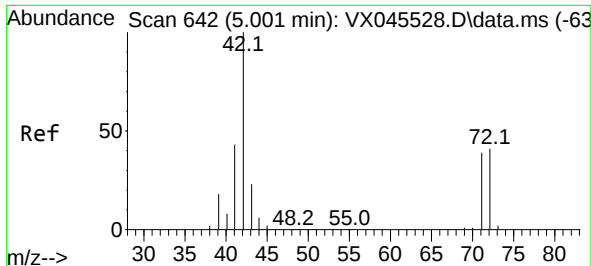
Tgt Ion: 84	Resp:	3235	
Ion	Ratio	Lower	Upper
84	100		
49	132.6	107.5	161.3
51	37.9	33.0	49.6
86	61.9	50.1	75.1



#25
2-Butanone
Concen: 6.468 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55

Tgt Ion: 43	Resp:	4592	
Ion	Ratio	Lower	Upper
43	100		
72	16.8	18.6	28.0#





#29

Tetrahydrofuran

Concen: 0.826 ug/l

RT: 5.037 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX045966.D

Acq: 28 Apr 2025 18:55

Instrument :

MSVOA_X

ClientSampleId :

WC-2

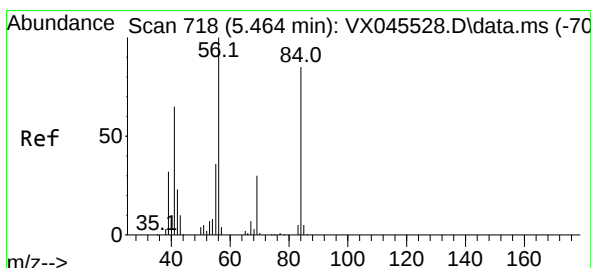
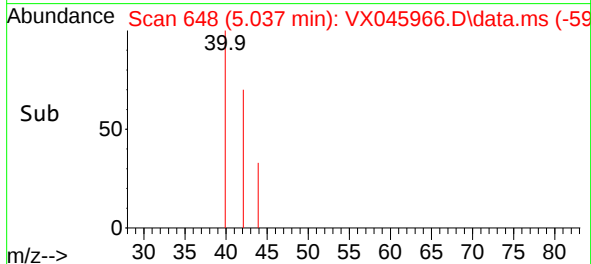
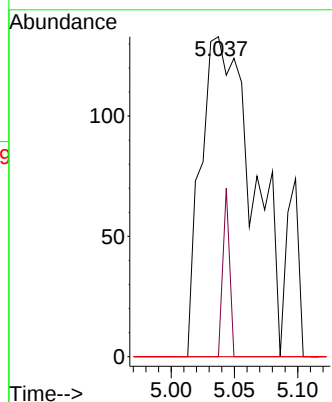
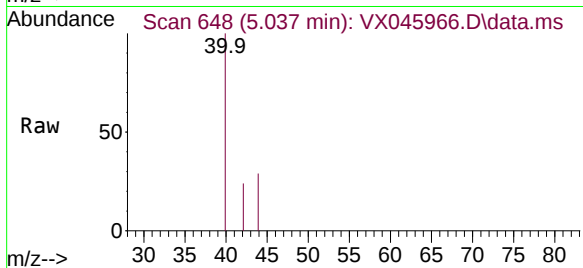
Tgt Ion: 42 Resp: 380

Ion Ratio Lower Upper

42 100

72 6.8 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.351 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045966.D

Acq: 28 Apr 2025 18:55

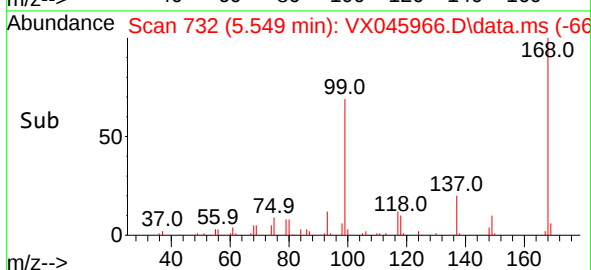
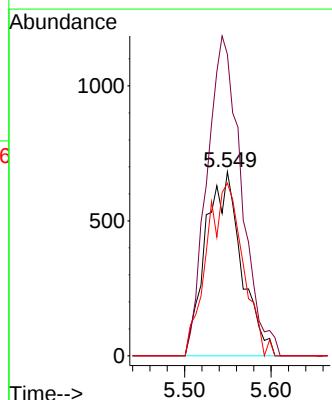
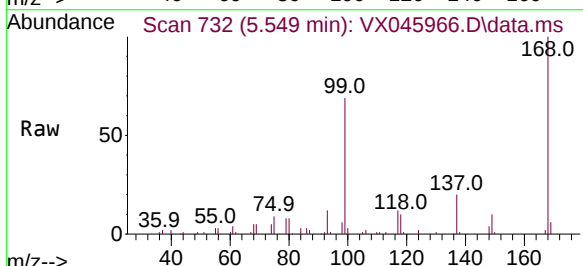
Tgt Ion: 56 Resp: 1957

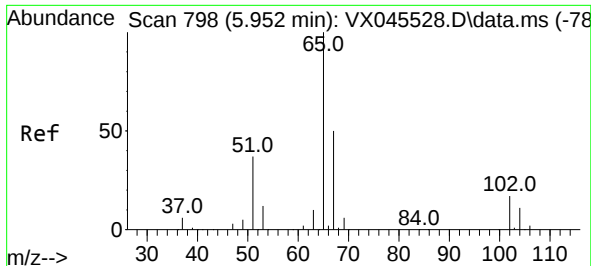
Ion Ratio Lower Upper

56 100

69 163.8 23.6 35.4#

84 93.8 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.349 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045966.D

Acq: 28 Apr 2025 18:55

Instrument :

MSVOA_X

ClientSampleId :

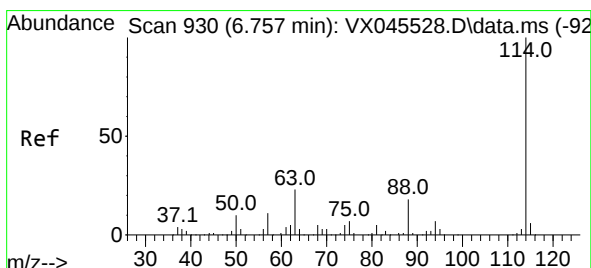
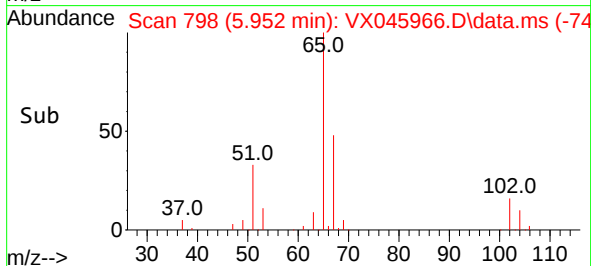
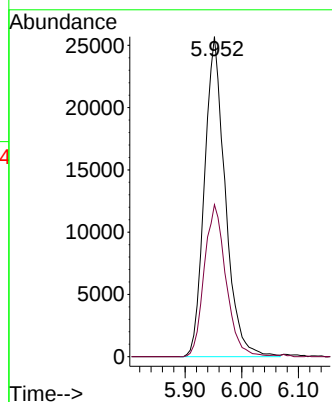
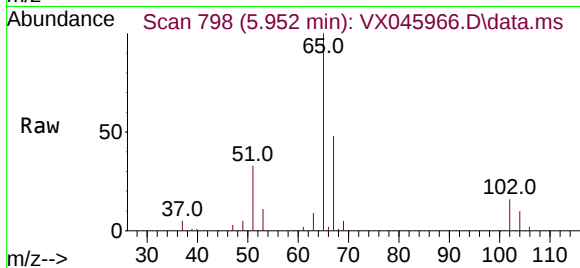
WC-2

Tgt Ion: 65 Resp: 65372

Ion Ratio Lower Upper

65 100

67 49.8 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: VX045966.D

Acq: 28 Apr 2025 18:55

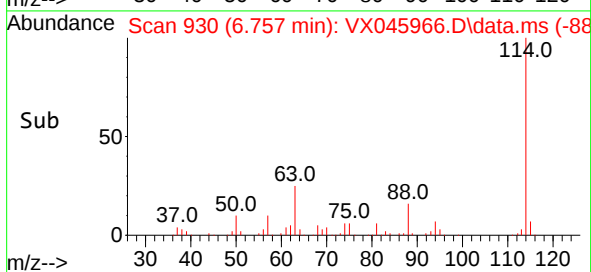
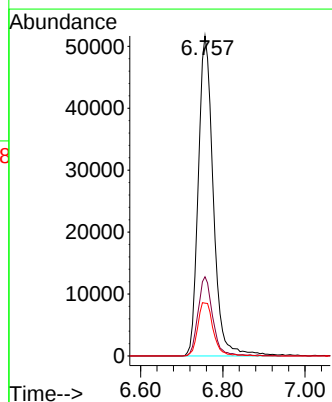
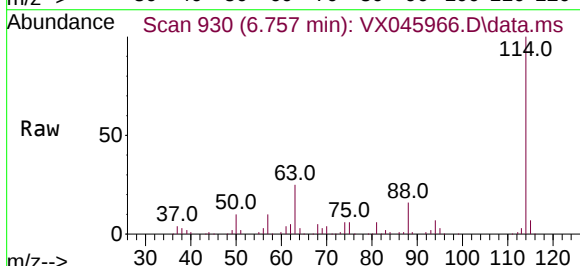
Tgt Ion: 114 Resp: 130657

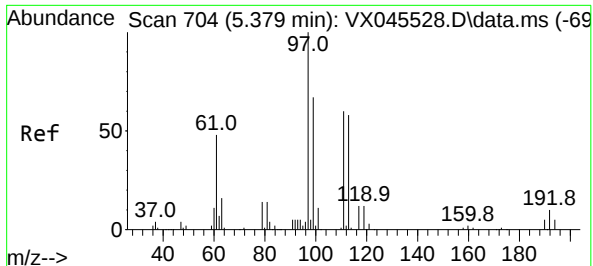
Ion Ratio Lower Upper

114 100

63 24.8 0.0 46.8

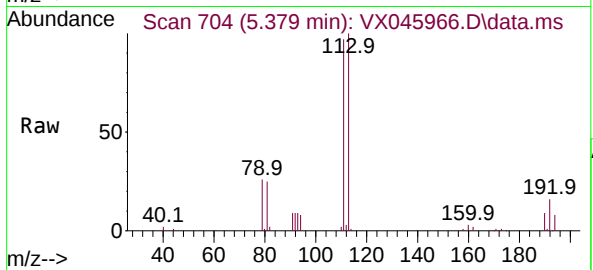
88 16.5 0.0 35.4



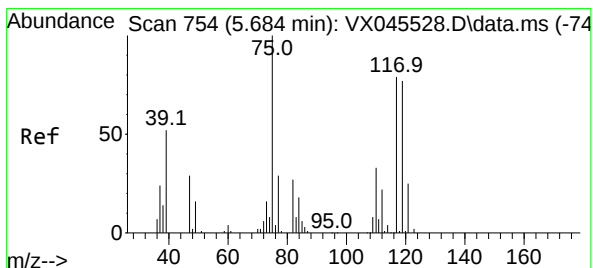
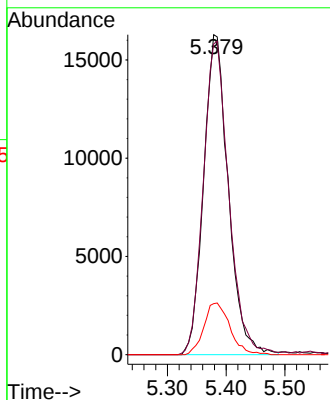
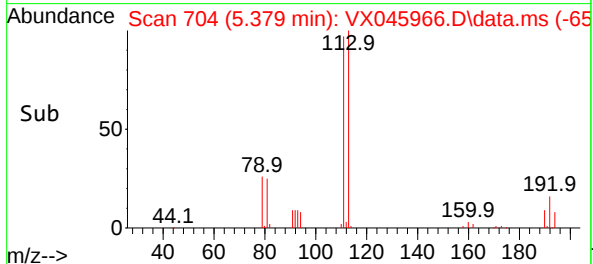


#35
Dibromofluoromethane
Concen: 51.268 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55

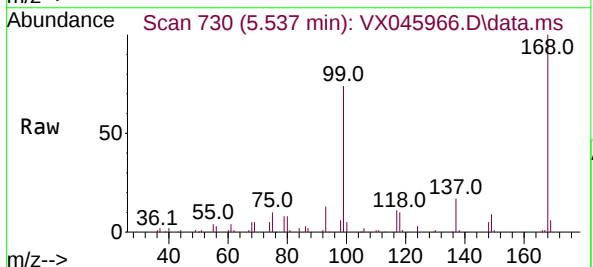
Instrument :
MSVOA_X
ClientSampleId :
WC-2



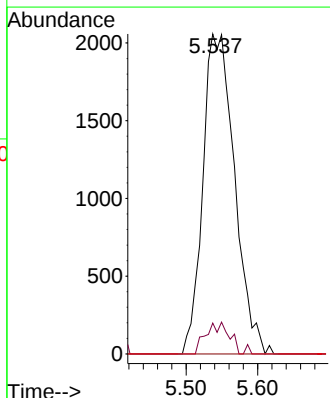
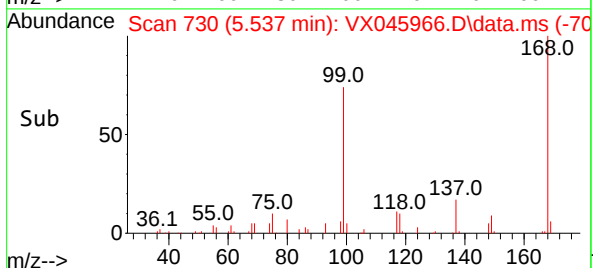
Tgt Ion:113 Resp: 47526
Ion Ratio Lower Upper
113 100
111 101.0 81.8 122.6
192 17.1 13.8 20.6

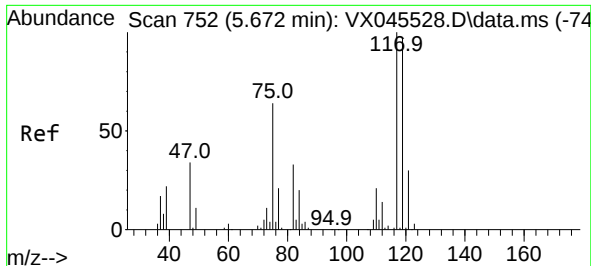


#36
1,1-Dichloropropene
Concen: 5.061 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.147 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55



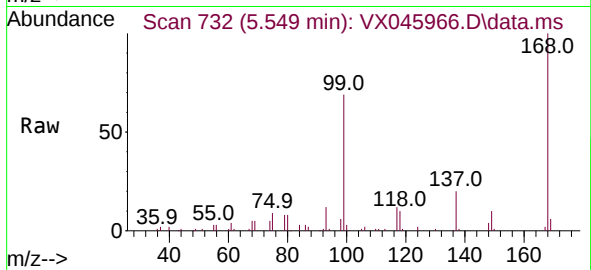
Tgt Ion: 75 Resp: 6334
Ion Ratio Lower Upper
75 100
110 7.2 16.9 50.6#
77 0.0 25.0 37.4#



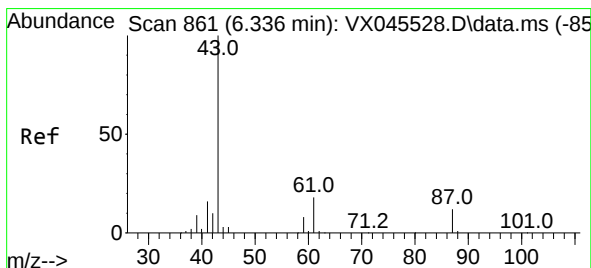
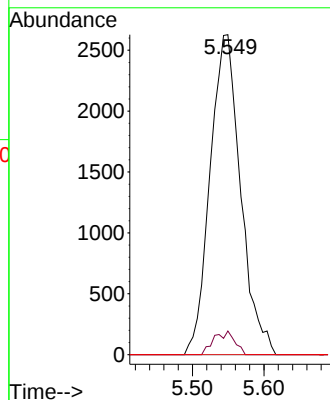
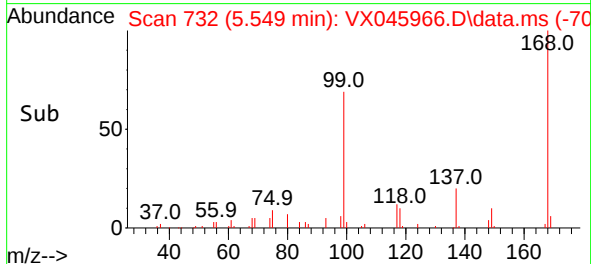


#38
Carbon Tetrachloride
Concen: 5.759 ug/l
RT: 5.549 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55

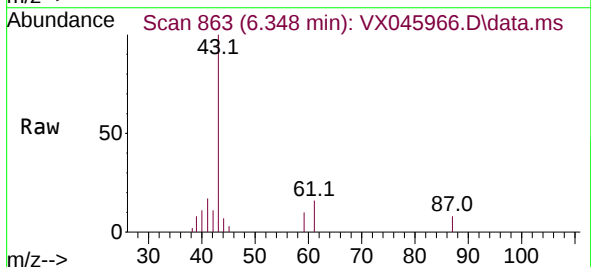
Instrument :
MSVOA_X
ClientSampleId :
WC-2



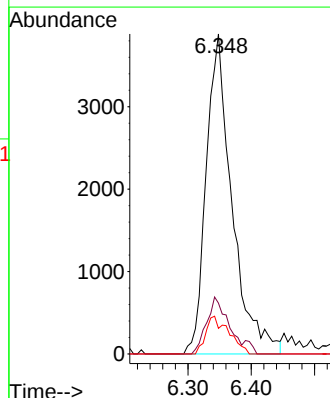
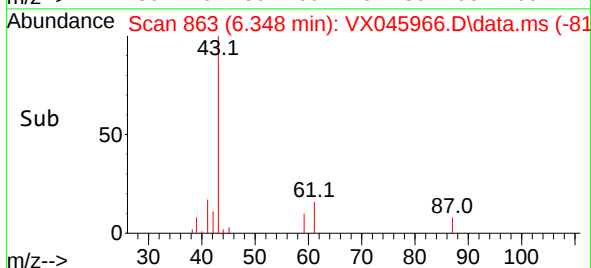
Tgt Ion:117 Resp: 7791
Ion Ratio Lower Upper
117 100
119 7.4 76.9 115.3#
121 0.0 24.2 36.2#

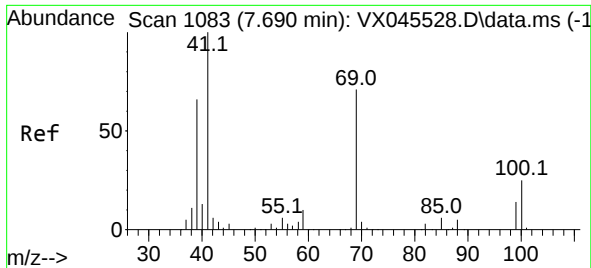


#43
Isopropyl Acetate
Concen: 4.605 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55



Tgt Ion: 43 Resp: 11008
Ion Ratio Lower Upper
43 100
61 16.2 14.1 21.1
87 10.5 9.2 13.8

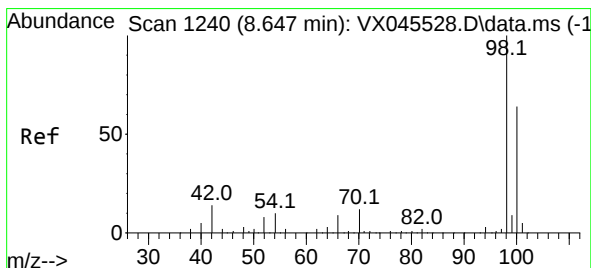
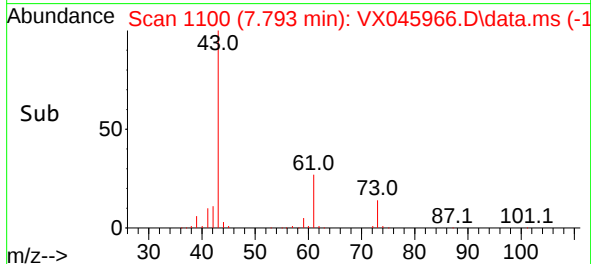
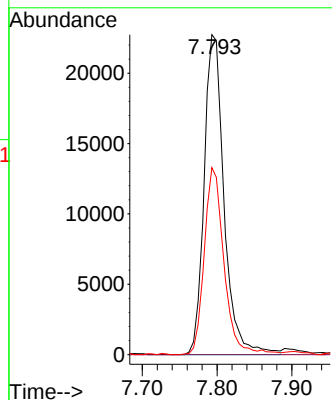
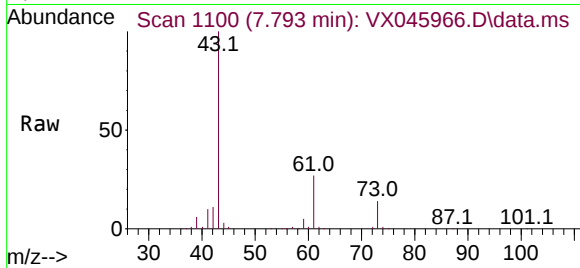




#48
Methyl methacrylate
Concen: 34.146 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55

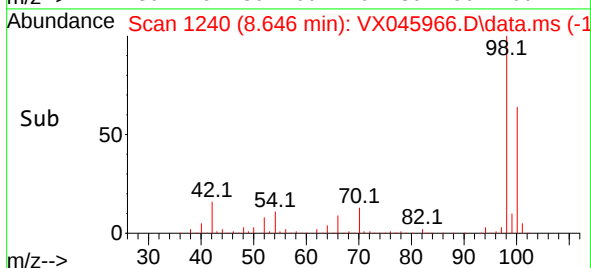
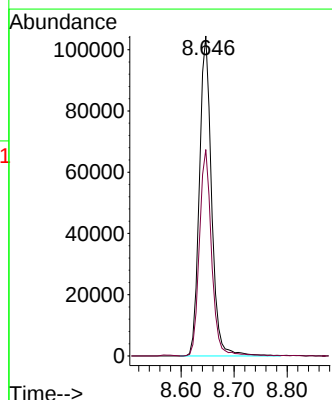
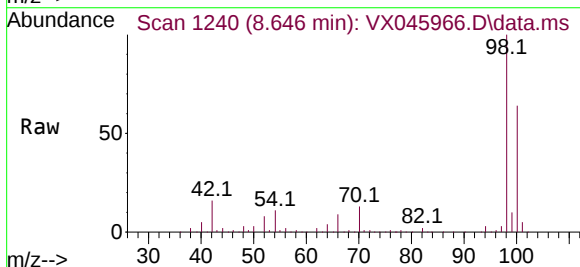
Instrument :
MSVOA_X
ClientSampleId :
WC-2

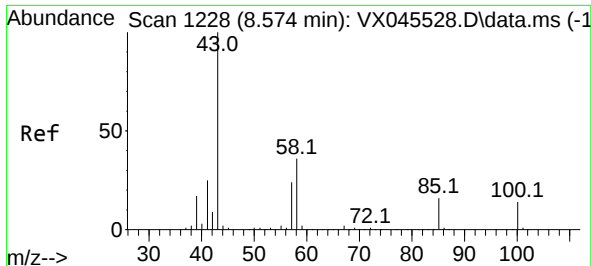
Tgt Ion: 41 Resp: 42148
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 57.9 53.6 80.4



#50
Toluene-d8
Concen: 51.520 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55

Tgt Ion: 98 Resp: 166699
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 23.003 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX045966.D

Acq: 28 Apr 2025 18:55

Instrument :

MSVOA_X

ClientSampleId :

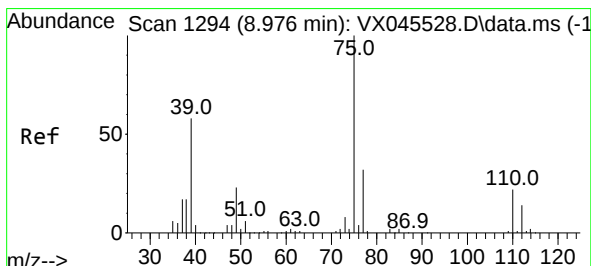
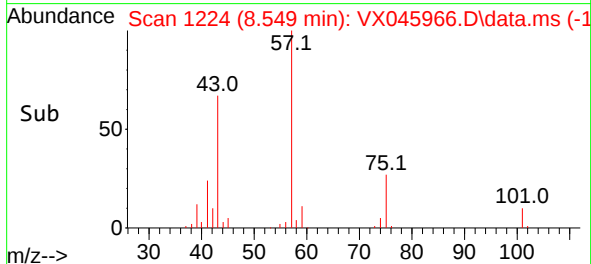
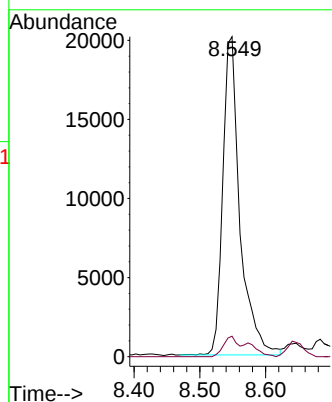
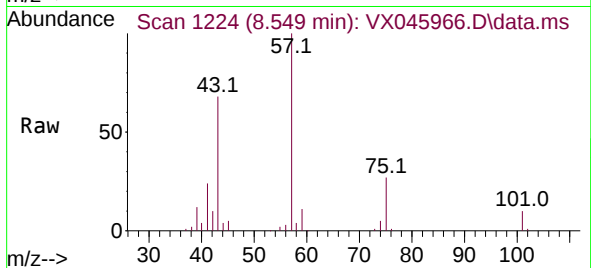
WC-2

Tgt Ion: 43 Resp: 36456

Ion Ratio Lower Upper

43 100

58 5.3 28.5 42.7#



#53

t-1,3-Dichloropropene

Concen: 2.369 ug/l

RT: 8.951 min Scan# 1290

Delta R.T. -0.025 min

Lab File: VX045966.D

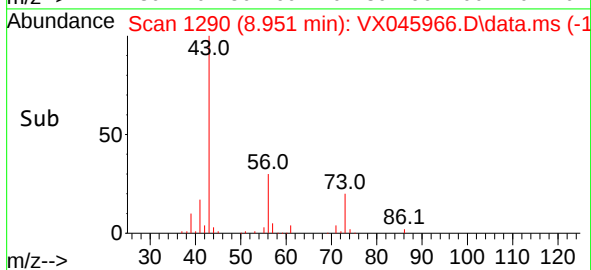
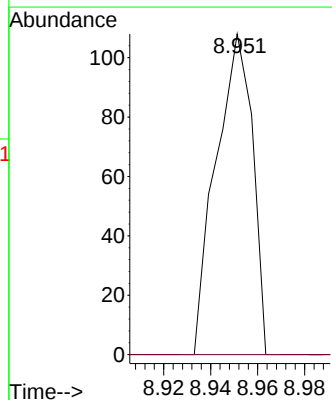
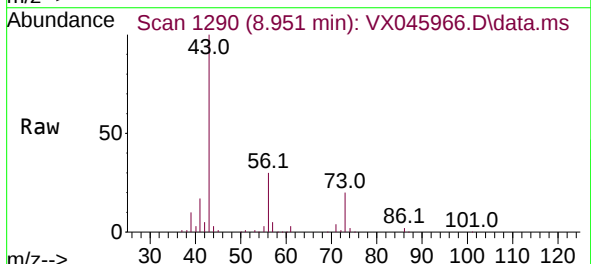
Acq: 28 Apr 2025 18:55

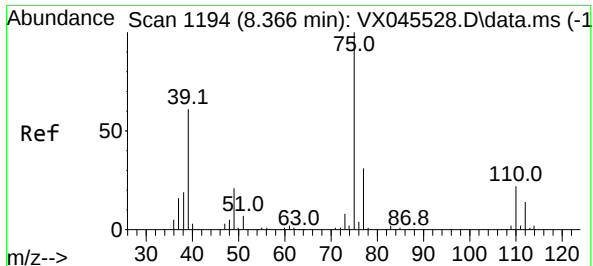
Tgt Ion: 75 Resp: 117

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

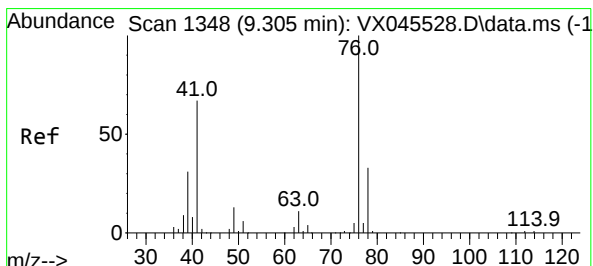
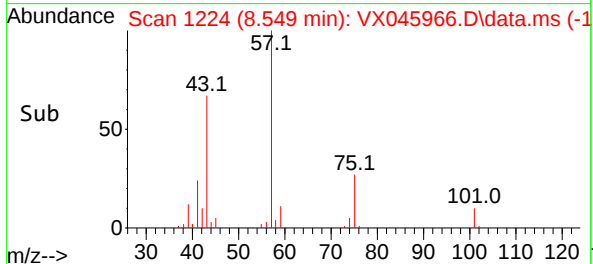
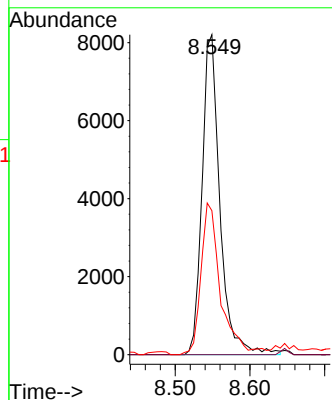
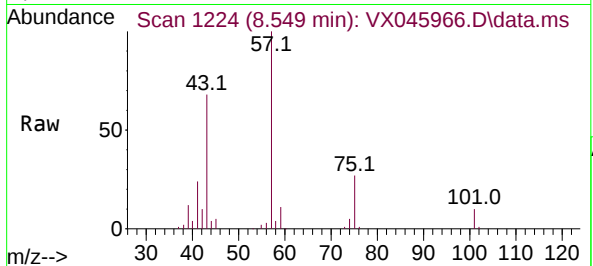




#54
 cis-1,3-Dichloropropene
 Concen: 9.890 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045966.D
 Acq: 28 Apr 2025 18:55

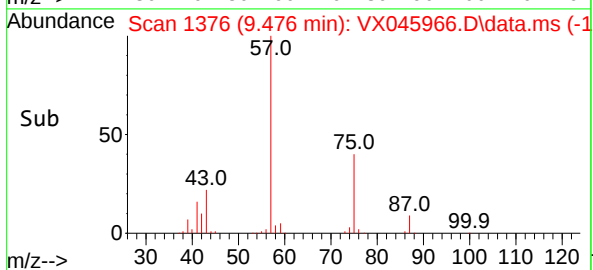
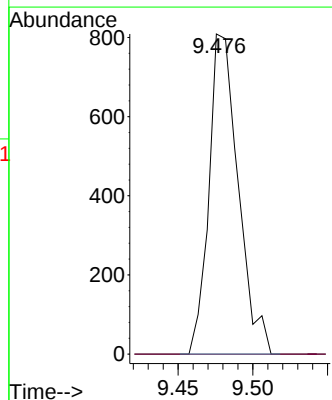
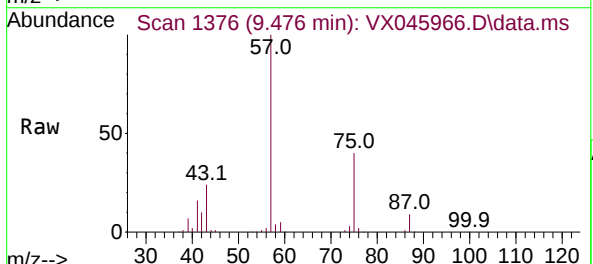
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-2

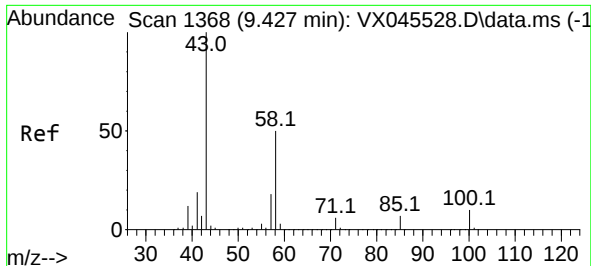
Tgt Ion: 75 Resp: 13590
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 45.0 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.686 ug/l
 RT: 9.476 min Scan# 1376
 Delta R.T. 0.171 min
 Lab File: VX045966.D
 Acq: 28 Apr 2025 18:55

Tgt Ion: 76 Resp: 1101
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 8.390 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045966.D

Acq: 28 Apr 2025 18:55

Instrument :

MSVOA_X

ClientSampleId :

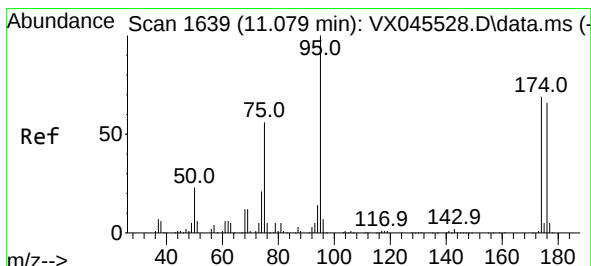
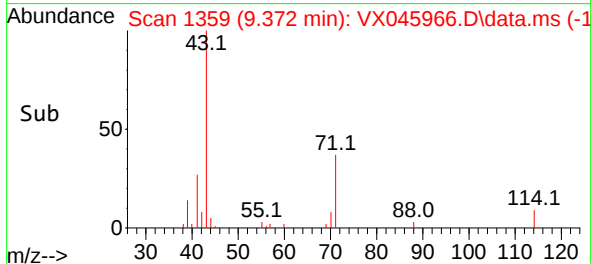
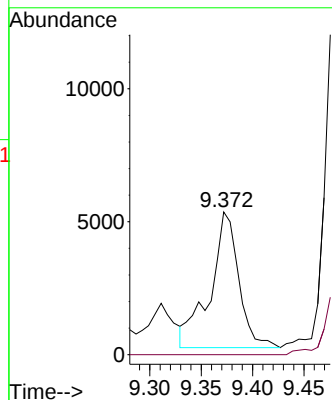
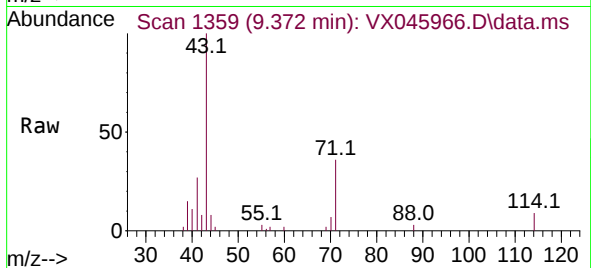
WC-2

Tgt Ion: 43 Resp: 9846

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 53.995 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045966.D

Acq: 28 Apr 2025 18:55

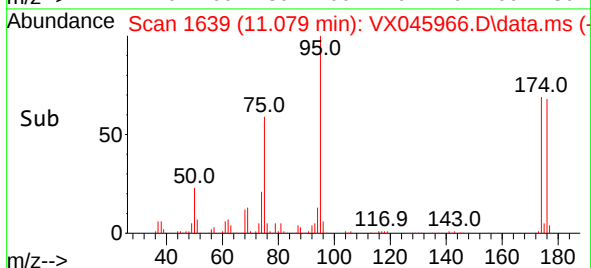
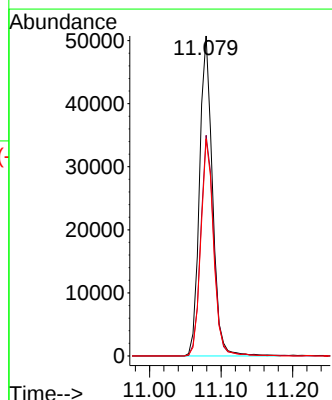
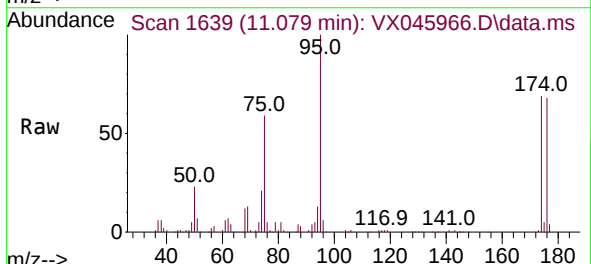
Tgt Ion: 95 Resp: 63637

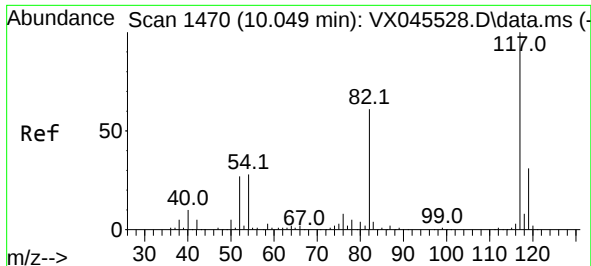
Ion Ratio Lower Upper

95 100

174 69.3 0.0 135.8

176 67.1 0.0 131.4

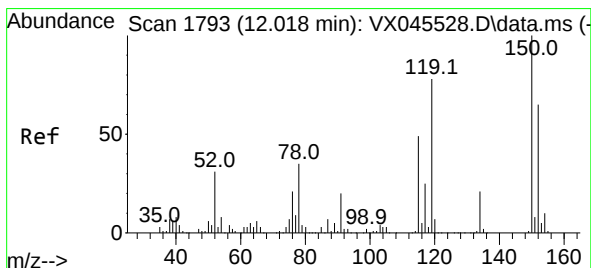
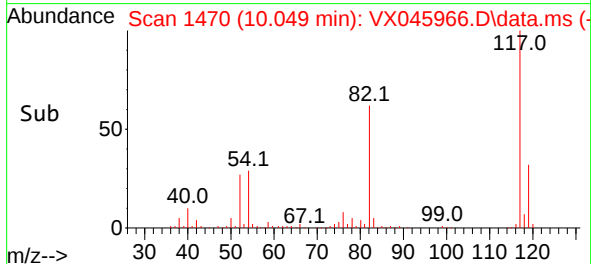
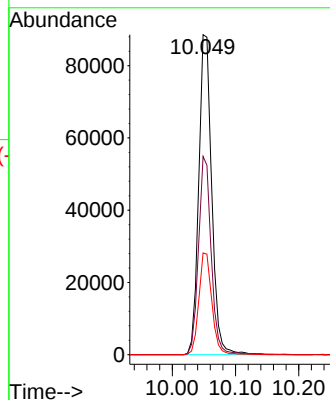
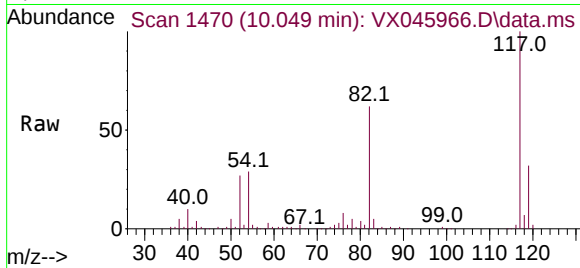




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55

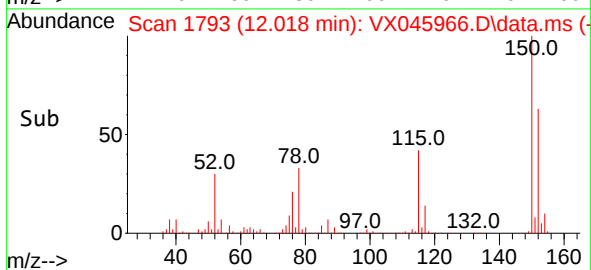
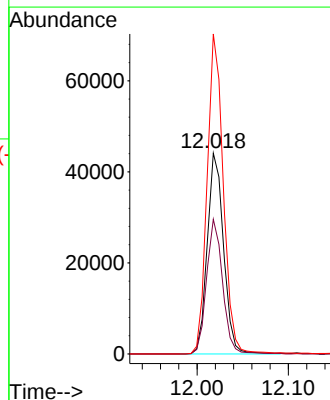
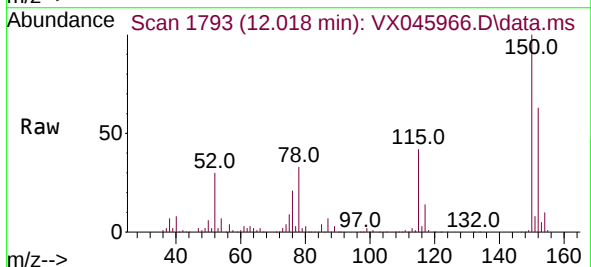
Instrument :
MSVOA_X
ClientSampleId :
WC-2

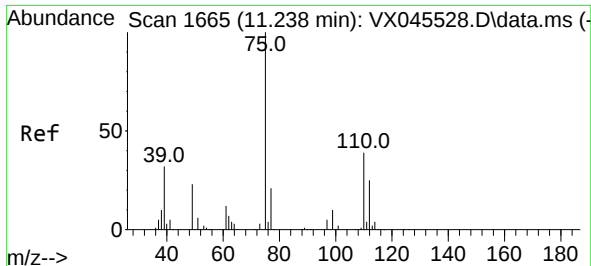
Tgt Ion:117 Resp: 126880
Ion Ratio Lower Upper
117 100
82 61.9 49.2 73.8
119 31.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55

Tgt Ion:152 Resp: 54670
Ion Ratio Lower Upper
152 100
115 65.8 46.9 140.7
150 157.9 0.0 349.4

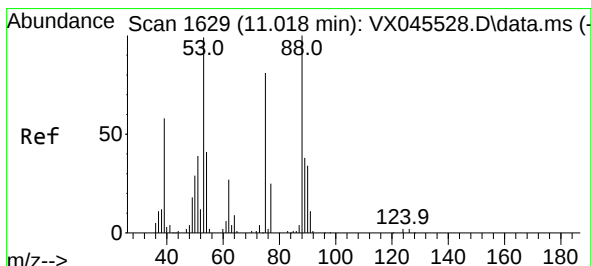
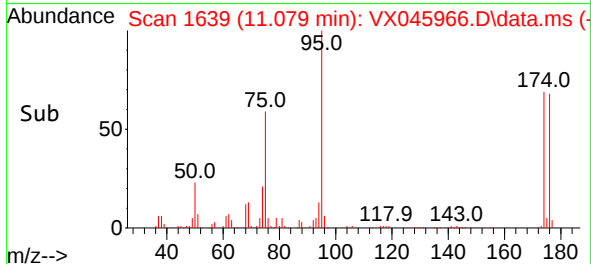
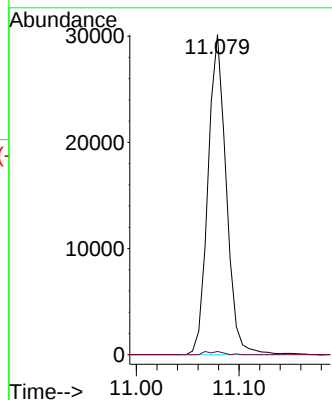
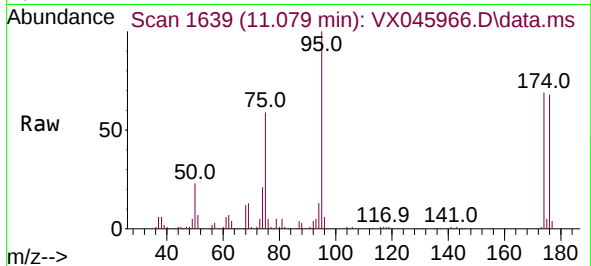




#76
1,2,3-Trichloropropane
Concen: 27.906 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55

Instrument :
MSVOA_X
ClientSampleId :
WC-2

Tgt Ion: 75 Resp: 37213
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.708 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045966.D
Acq: 28 Apr 2025 18:55

Tgt Ion: 75 Resp: 37213
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

