

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101424\
 Data File : VX043380.D
 Acq On : 14 Oct 2024 14:53
 Operator : JC/MD
 Sample : P4402-03 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 15 01:46:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

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

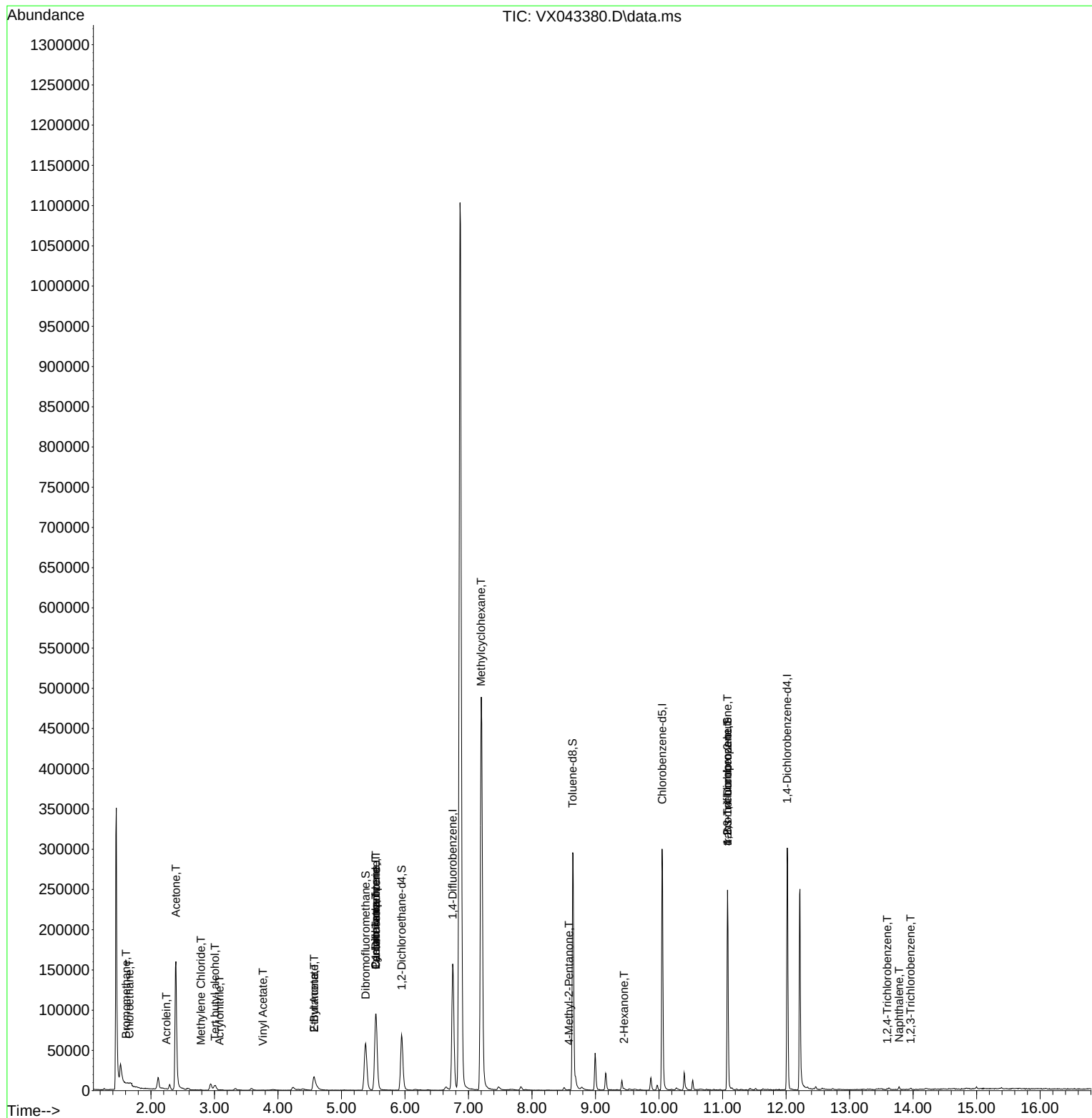
Internal Standards						
1) Pentafluorobenzene	5.544	168	86297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	159358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	69826	49.544	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.080%		
35) Dibromofluoromethane	5.379	113	51216	46.603	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.200%		
50) Toluene-d8	8.641	98	183956	48.301	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.600%		
62) 4-Bromofluorobenzene	11.079	95	67204	48.571	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.140%		
Target Compounds						Qvalue
5) Bromomethane	1.605	94	237	0.560	ug/l #	58
6) Chloroethane	1.660	64	98	0.254	ug/l #	42
11) Tert butyl alcohol	3.008	59	9782	36.474	ug/l	99
13) Acrolein	2.239	56	293	1.157	ug/l	84
15) Acrylonitrile	3.081	53	124	0.226	ug/l #	32
16) Acetone	2.392	43	200631	340.884	ug/l	99
20) Methylene Chloride	2.788	84	272	0.251	ug/l #	80
23) Vinyl Acetate	3.764	43	590	6.506	ug/l #	71
25) 2-Butanone	4.568	43	32961	40.844	ug/l	98
31) Cyclohexane	5.538	56	2048	1.347	ug/l #	8
36) 1,1-Dichloropropene	5.538	75	7586	5.464	ug/l #	50
37) Ethyl Acetate	4.568	43	32961	19.769	ug/l #	68
38) Carbon Tetrachloride	5.544	117	10092	6.140	ug/l #	14
39) Methylcyclohexane	7.196	83	474	0.271	ug/l #	1
51) 4-Methyl-2-Pentanone	8.580	43	404	0.242	ug/l #	86
59) 2-Hexanone	9.452	43	1658	1.311	ug/l	74
76) 1,2,3-Trichloropropane	11.079	75	37009	27.554	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	37009	71.411	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.591	180	329	0.277	ug/l	93
95) Naphthalene	13.780	128	2609	0.596	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	399	0.325	ug/l	94

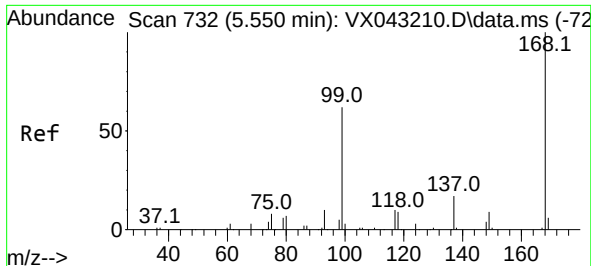
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration

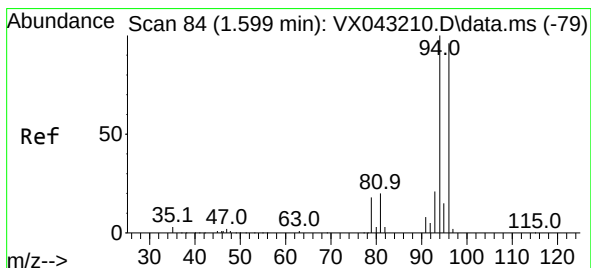
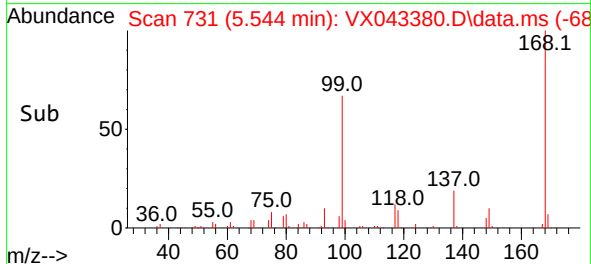
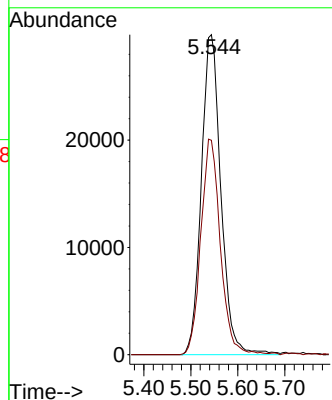
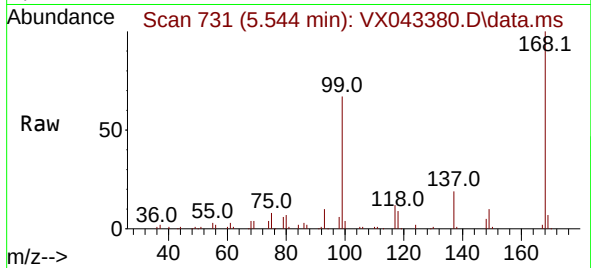




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

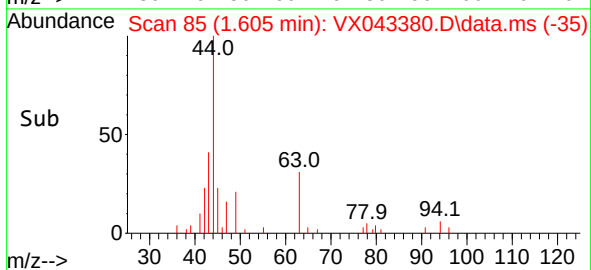
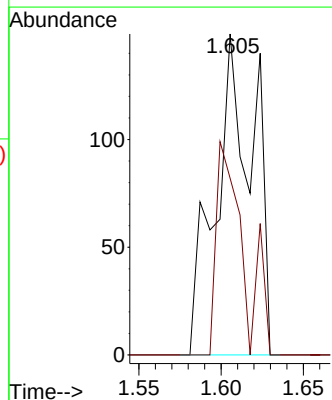
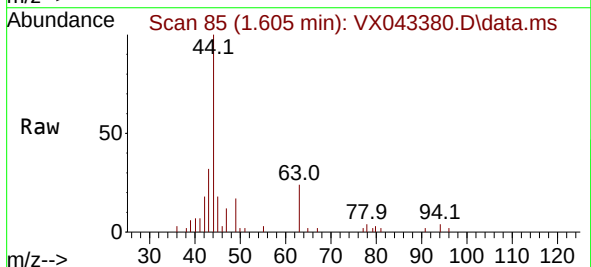
Instrument :
MSVOA_X
ClientSampleId :

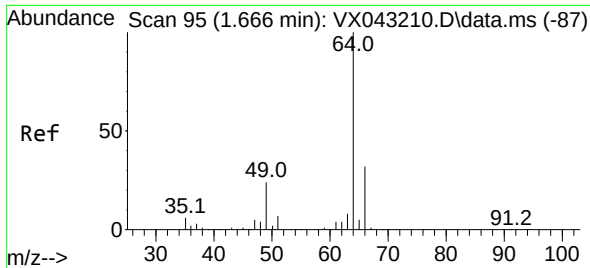
Tgt Ion:168 Resp: 86297
Ion Ratio Lower Upper
168 100
99 67.0 49.7 74.5



#5
Bromomethane
Concen: 0.560 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

Tgt Ion: 94 Resp: 237
Ion Ratio Lower Upper
94 100
96 55.0 76.6 115.0#

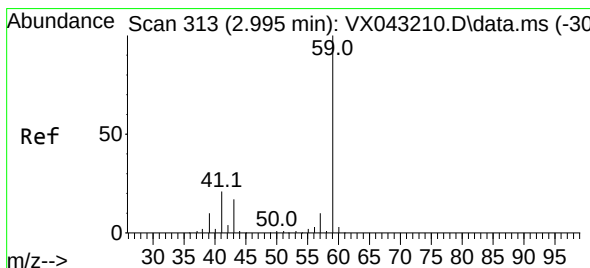
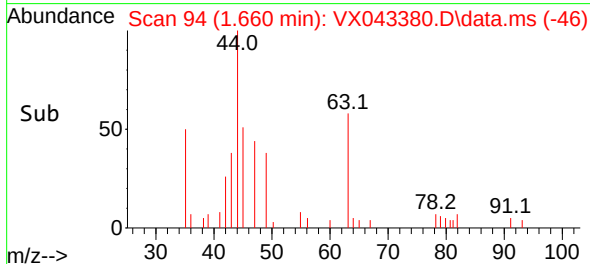
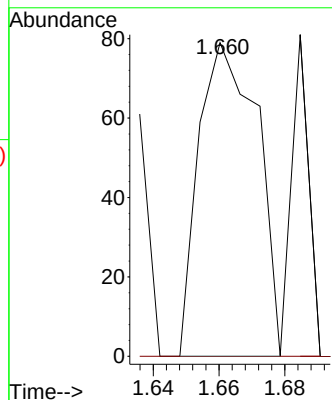
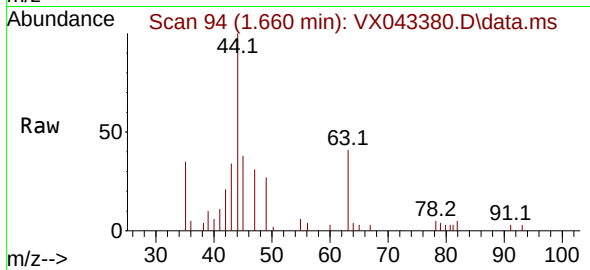




#6
Chloroethane
Concen: 0.254 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

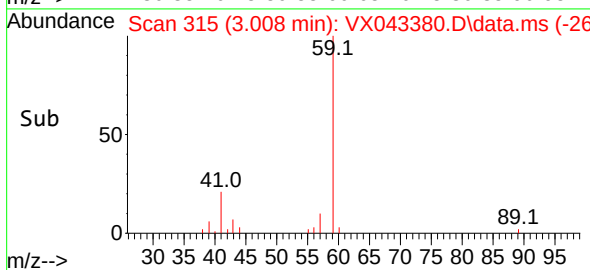
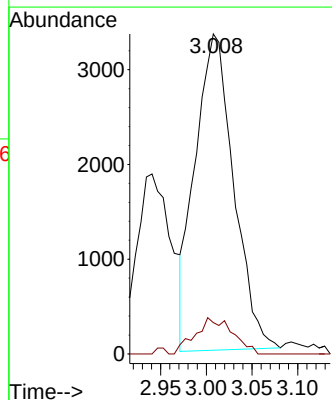
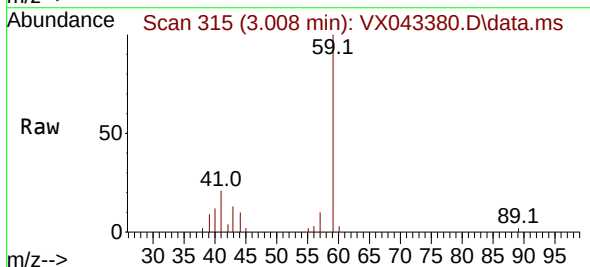
Instrument :
MSVOA_X
ClientSampleId :

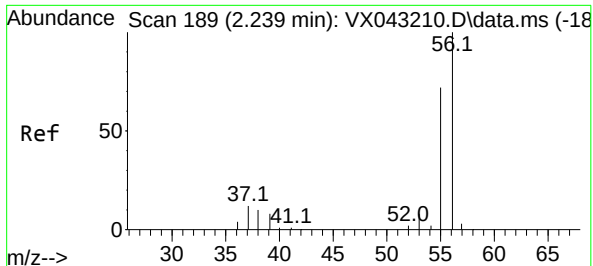
Tgt Ion: 64 Resp: 98
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



#11
Tert butyl alcohol
Concen: 36.474 ug/l
RT: 3.008 min Scan# 315
Delta R.T. 0.012 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

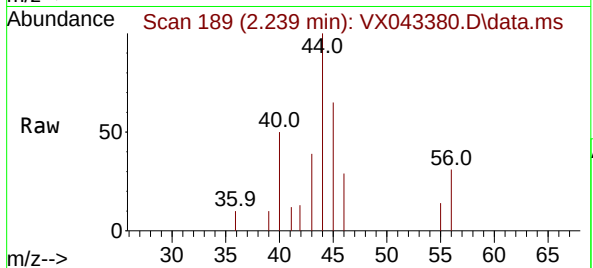
Tgt Ion: 59 Resp: 9782
Ion Ratio Lower Upper
59 100
57 11.1 8.6 13.0



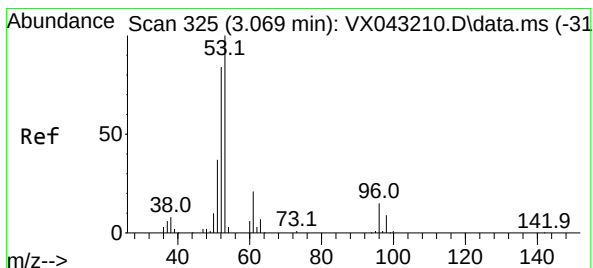
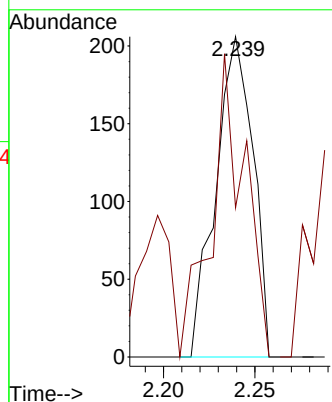
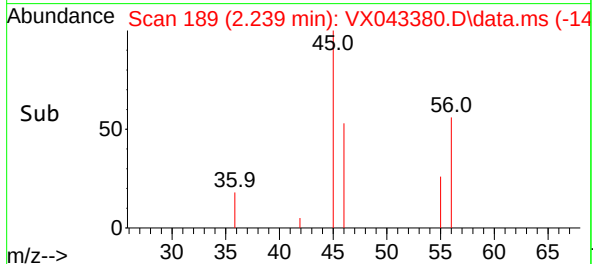


#13
Acrolein
Concen: 1.157 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

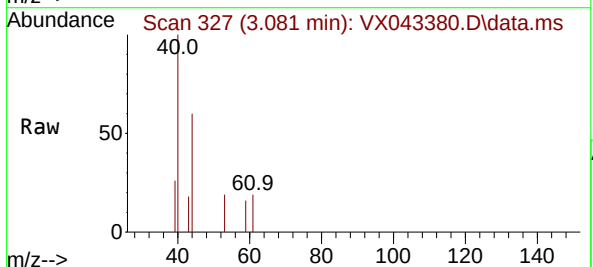
Instrument :
MSVOA_X
ClientSampleId :



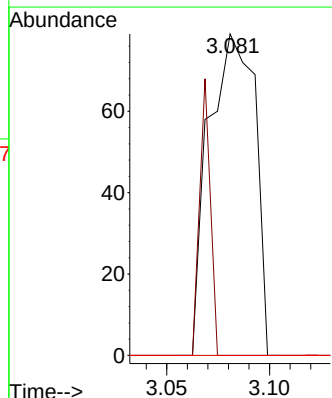
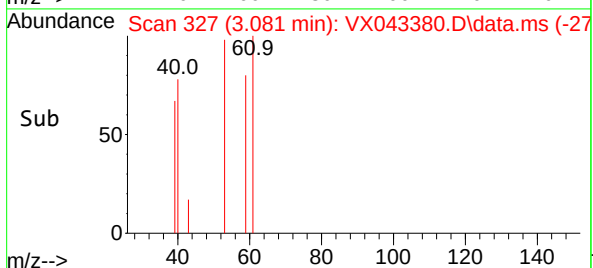
Tgt Ion: 56 Resp: 293
Ion Ratio Lower Upper
56 100
55 85.0 57.4 86.0

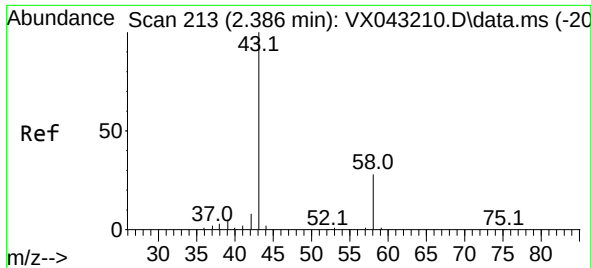


#15
Acrylonitrile
Concen: 0.226 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.012 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53



Tgt Ion: 53 Resp: 124
Ion Ratio Lower Upper
53 100
52 20.2 67.6 101.4#
51 0.0 30.3 45.5#

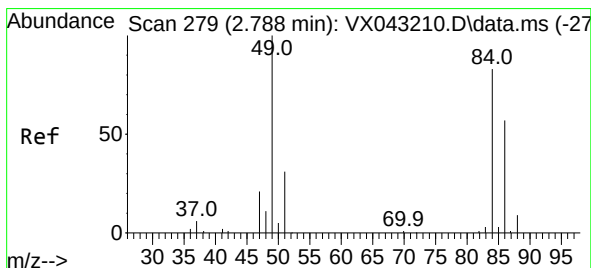
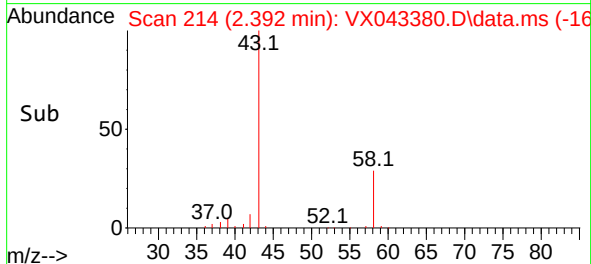
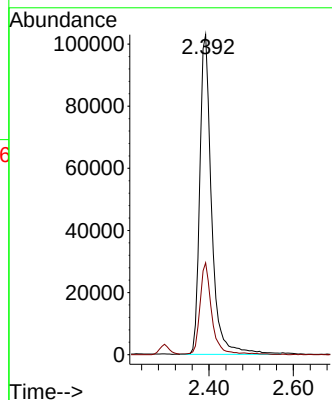
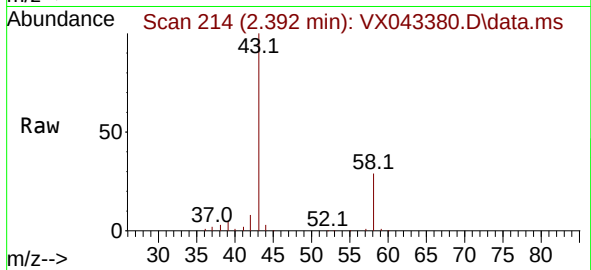




#16
Acetone
Concen: 340.884 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

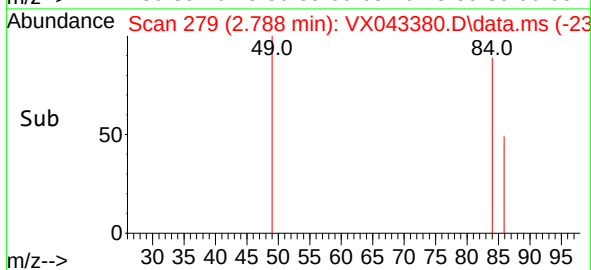
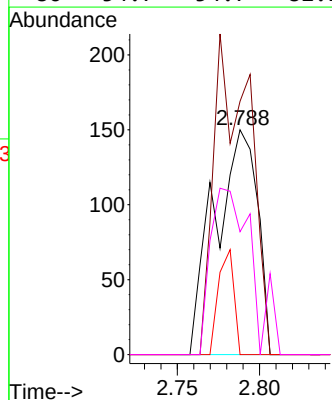
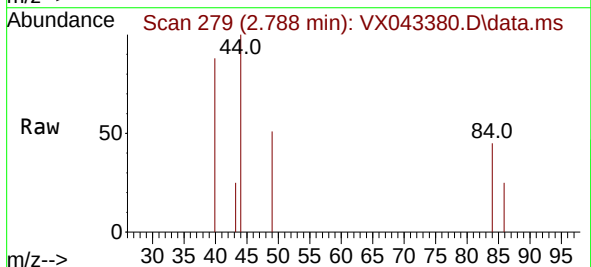
Instrument :
MSVOA_X
ClientSampleId :

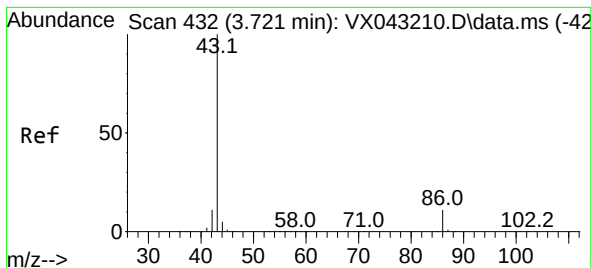
Tgt Ion: 43 Resp: 200631
Ion Ratio Lower Upper
43 100
58 28.6 22.6 33.8



#20
Methylene Chloride
Concen: 0.251 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

Tgt Ion: 84 Resp: 272
Ion Ratio Lower Upper
84 100
49 112.7 96.7 145.1
51 0.0 30.4 45.6#
86 54.7 54.7 82.1#





#23

Vinyl Acetate

Concen: 6.506 ug/l

RT: 3.764 min Scan# 41

Delta R.T. 0.043 min

Lab File: VX043380.D

Acq: 14 Oct 2024 14:53

Instrument :

MSVOA_X

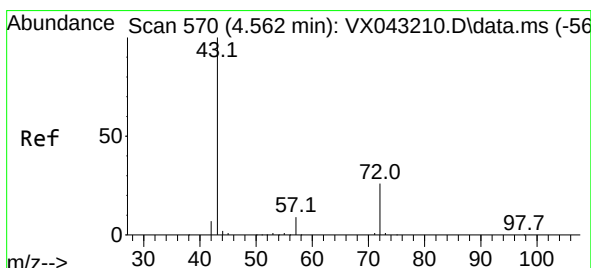
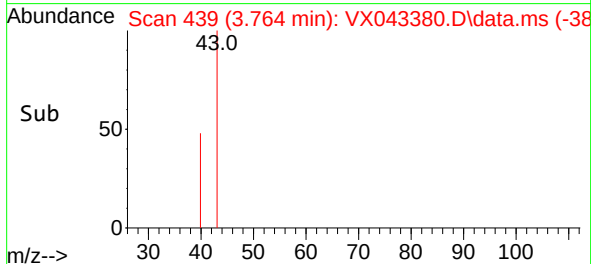
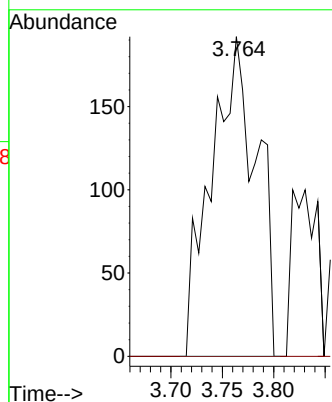
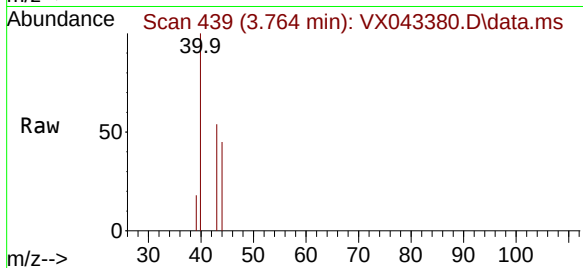
ClientSampleId :

Tgt Ion: 43 Resp: 590

Ion Ratio Lower Upper

43 100

86 0.0 8.8 13.2#



#25

2-Butanone

Concen: 40.844 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX043380.D

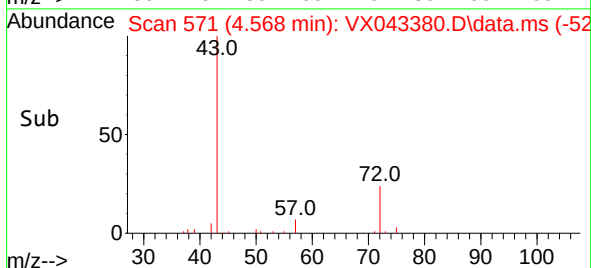
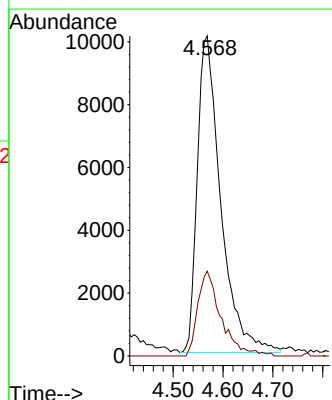
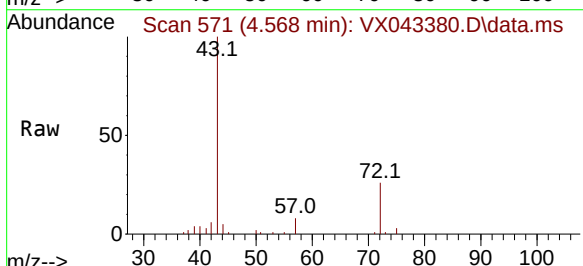
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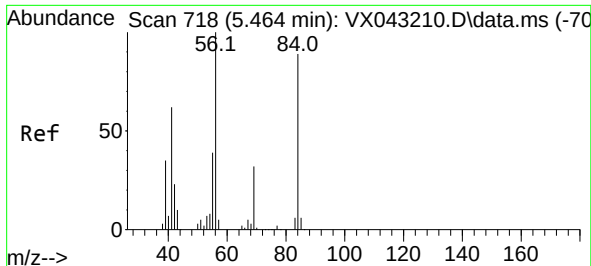
Tgt Ion: 43 Resp: 32961

Ion Ratio Lower Upper

43 100

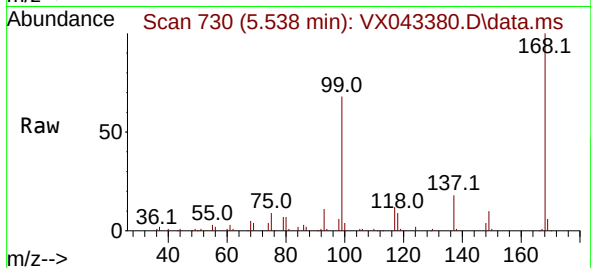
72 26.8 20.6 31.0



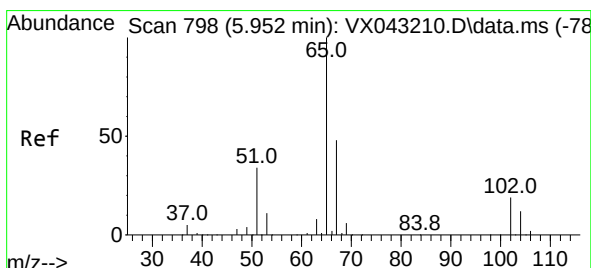
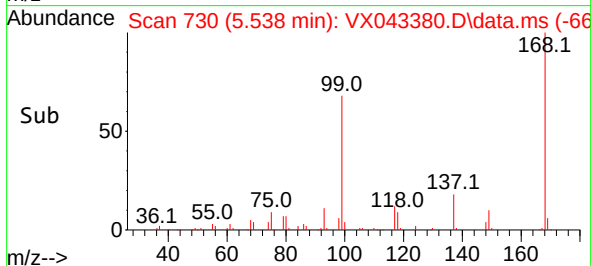
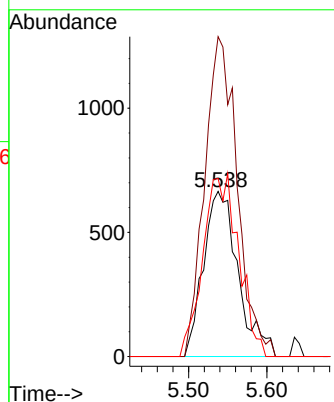


#31
Cyclohexane
Concen: 1.347 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

Instrument :
MSVOA_X
ClientSampleId :

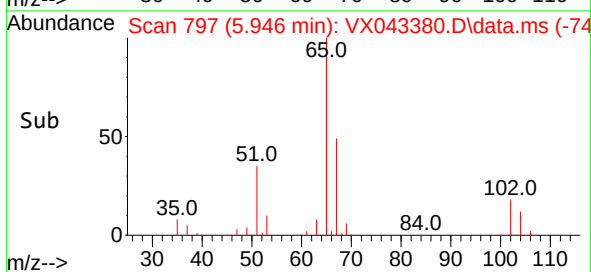
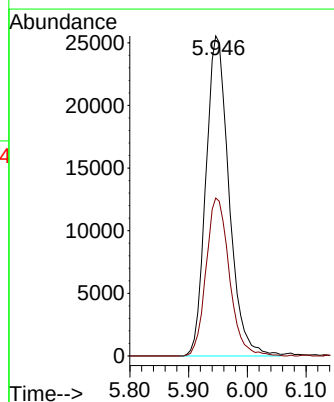
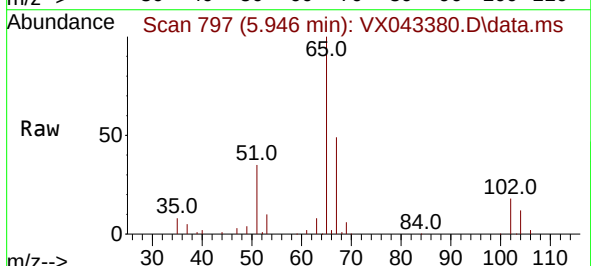


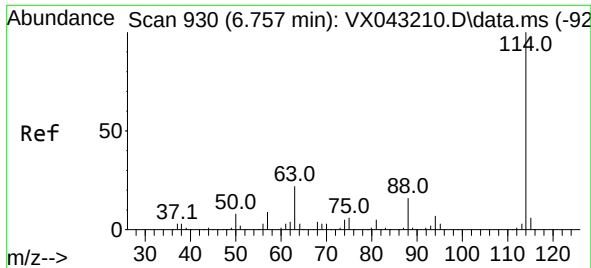
Tgt Ion: 56 Resp: 2048
Ion Ratio Lower Upper
56 100
69 193.7 25.8 38.6#
84 107.8 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 49.544 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

Tgt Ion: 65 Resp: 69826
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.0

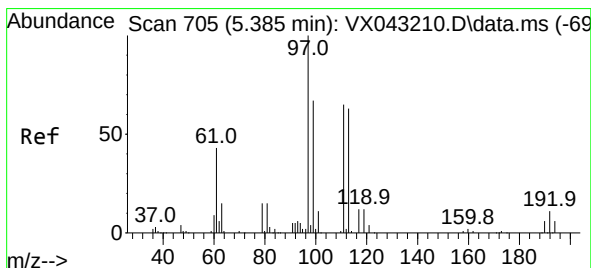
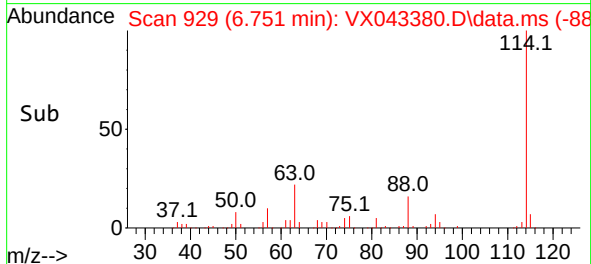
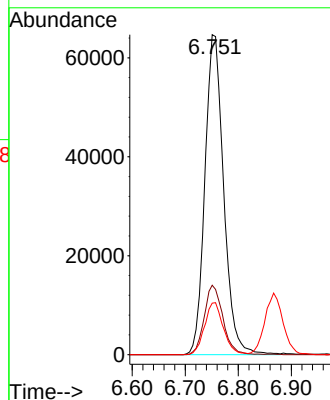
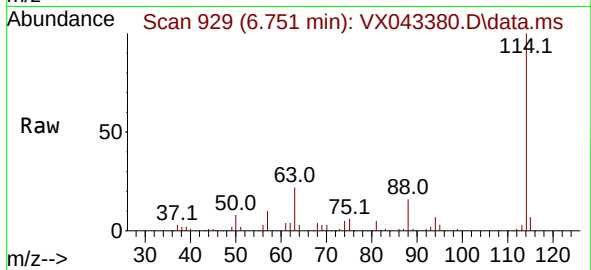




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

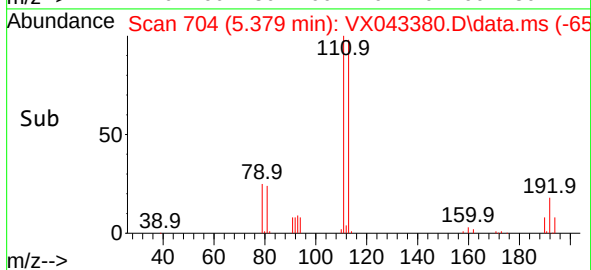
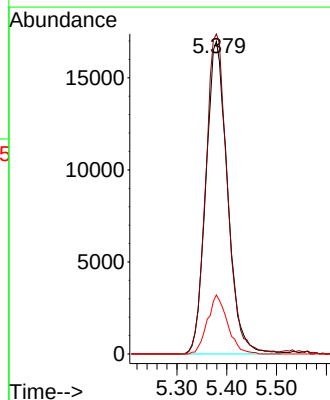
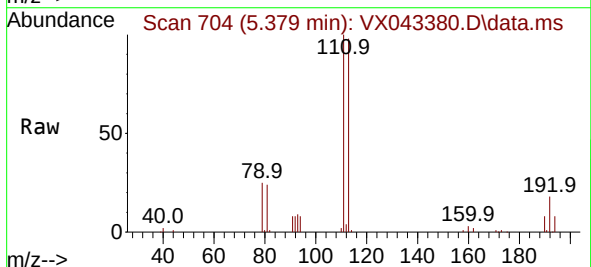
Instrument :
MSVOA_X
ClientSampleId :

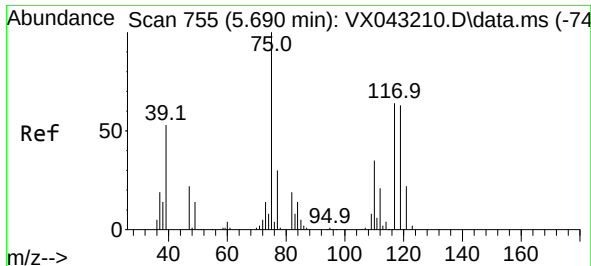
Tgt Ion:114 Resp: 159358
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.0
88 16.1 0.0 33.0



#35
Dibromofluoromethane
Concen: 46.603 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

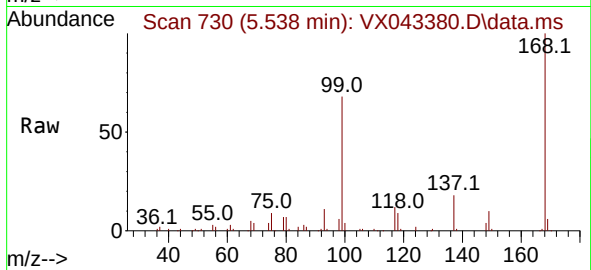
Tgt Ion:113 Resp: 51216
Ion Ratio Lower Upper
113 100
111 102.3 83.4 125.0
192 17.6 14.1 21.1



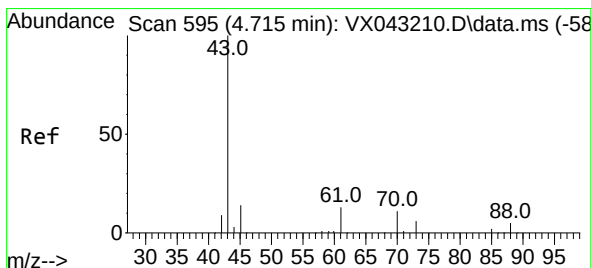
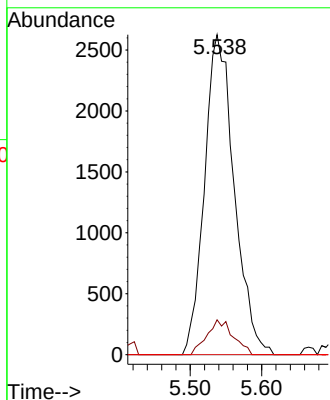
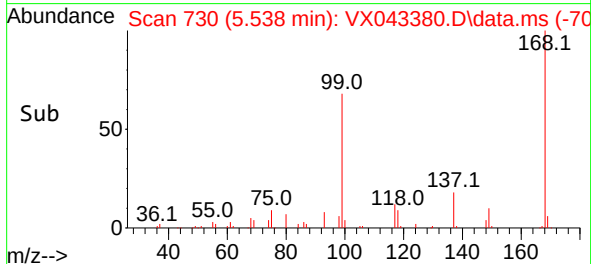


#36
1,1-Dichloropropene
Concen: 5.464 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

Instrument :
MSVOA_X
ClientSampleId :

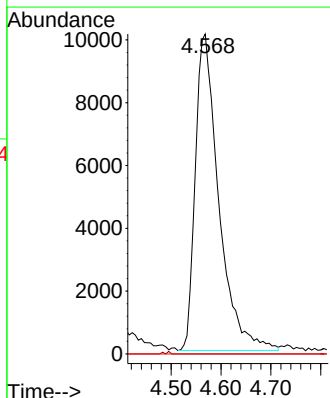
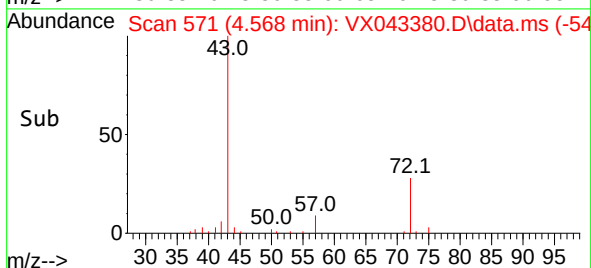
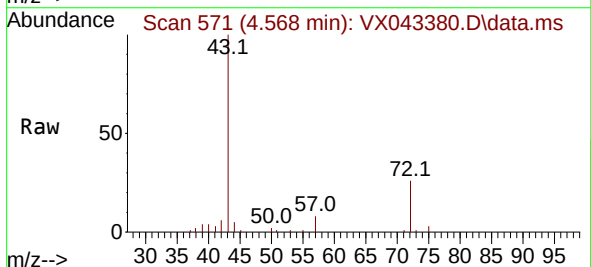


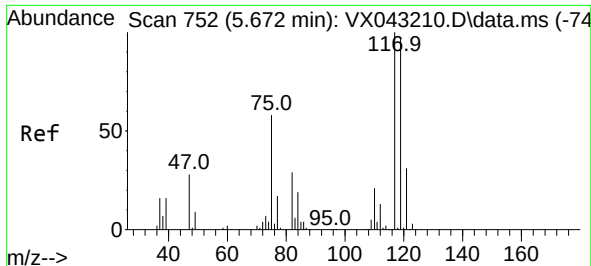
Tgt Ion: 75 Resp: 7586
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.3#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 19.769 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.146 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

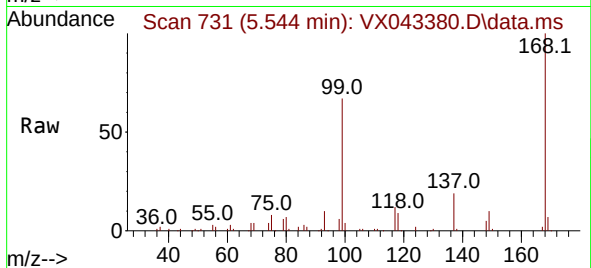
Tgt Ion: 43 Resp: 32961
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 0.0 8.9 13.3#



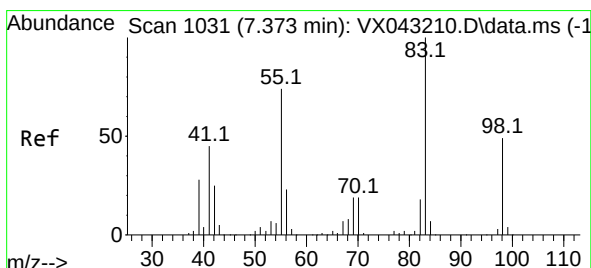
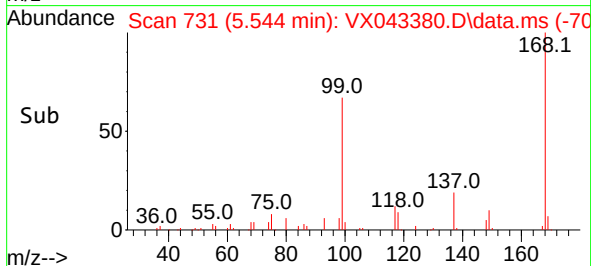
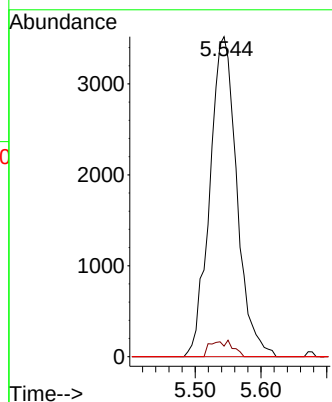


#38
Carbon Tetrachloride
Concen: 6.140 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

Instrument :
MSVOA_X
ClientSampleId :

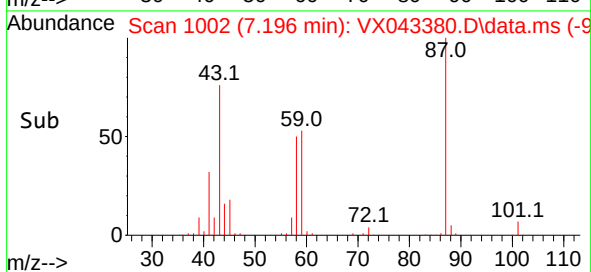
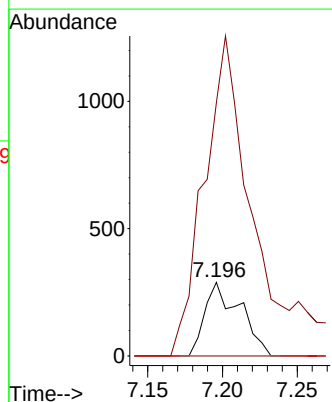
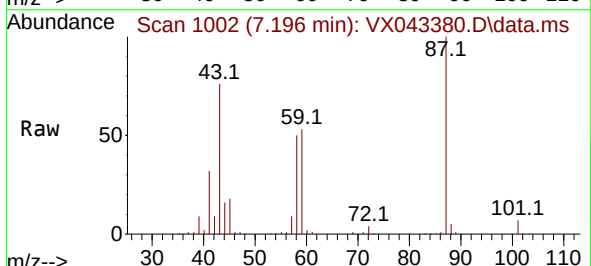


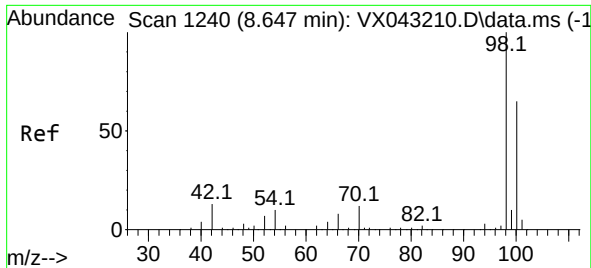
Tgt Ion:117 Resp: 10092
Ion Ratio Lower Upper
117 100
119 3.3 77.7 116.5#
121 0.0 24.3 36.5#



#39
Methylcyclohexane
Concen: 0.271 ug/l
RT: 7.196 min Scan# 1002
Delta R.T. -0.177 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

Tgt Ion: 83 Resp: 474
Ion Ratio Lower Upper
83 100
55 301.4 59.4 89.2#
98 0.0 39.3 58.9#

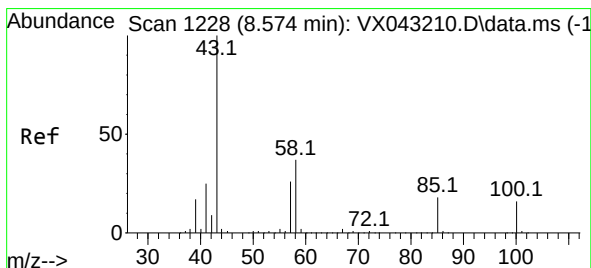
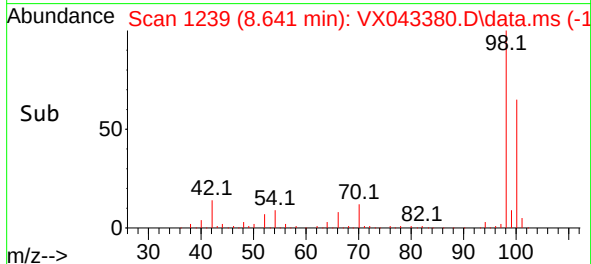
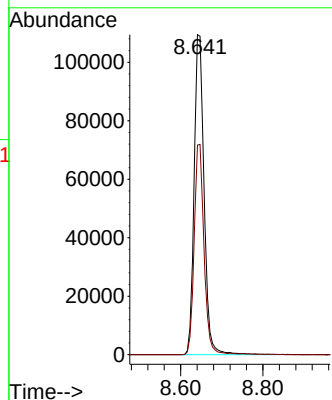
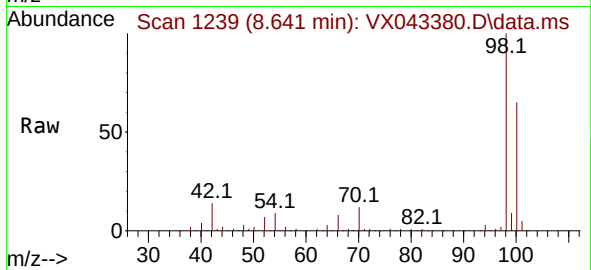




#50
Toluene-d8
Concen: 48.301 ug/l
RT: 8.641 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

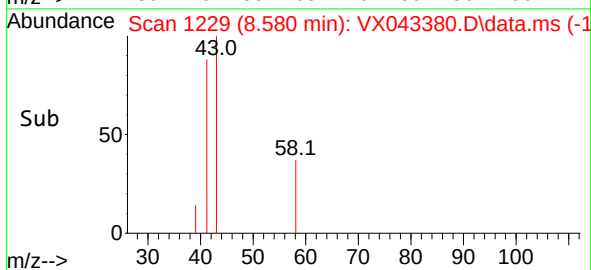
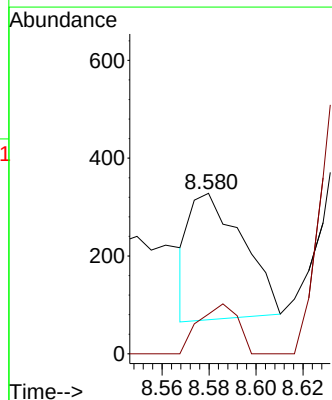
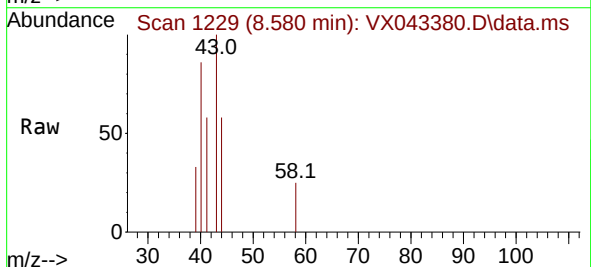
Instrument :
MSVOA_X
ClientSampleId :

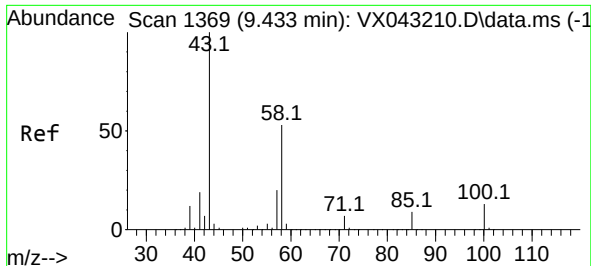
Tgt Ion: 98 Resp: 183956
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 0.242 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

Tgt Ion: 43 Resp: 404
Ion Ratio Lower Upper
43 100
58 29.2 30.0 45.0#

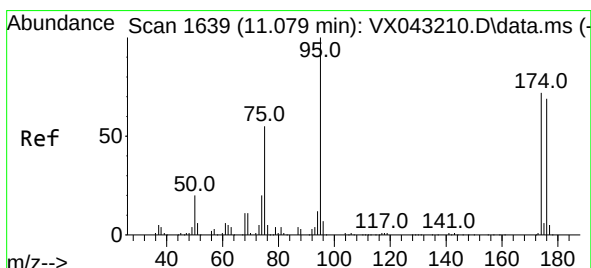
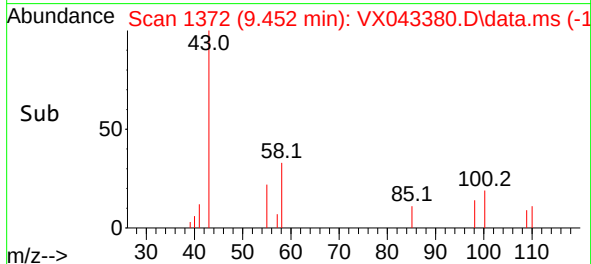
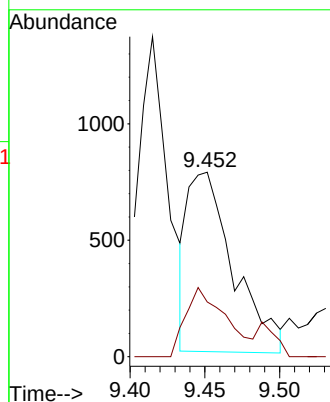
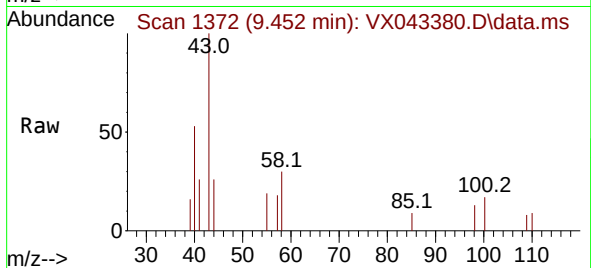




#59
2-Hexanone
Concen: 1.311 ug/l
RT: 9.452 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

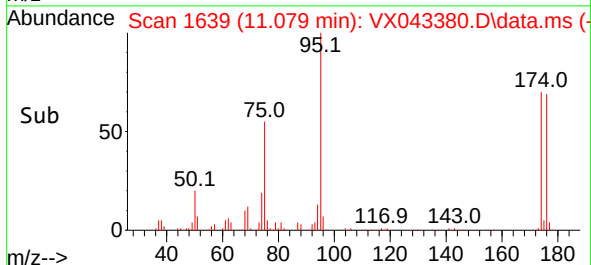
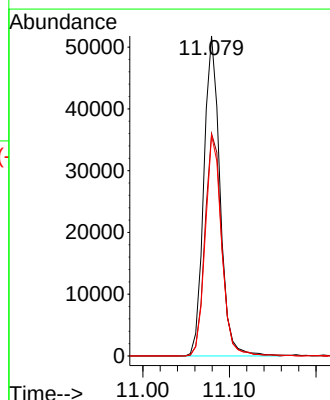
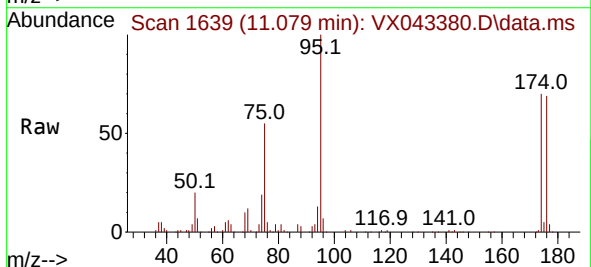
Instrument :
MSVOA_X
ClientSampleId :

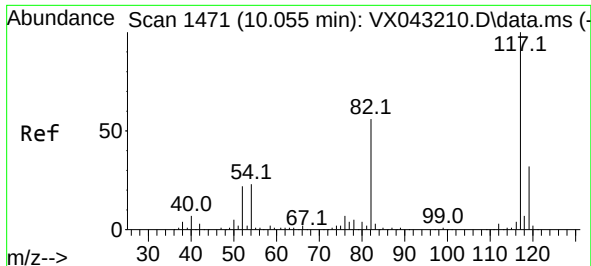
Tgt Ion: 43 Resp: 1658
Ion Ratio Lower Upper
43 100
58 34.0 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 48.571 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

Tgt Ion: 95 Resp: 67204
Ion Ratio Lower Upper
95 100
174 72.1 0.0 145.0
176 69.8 0.0 143.0

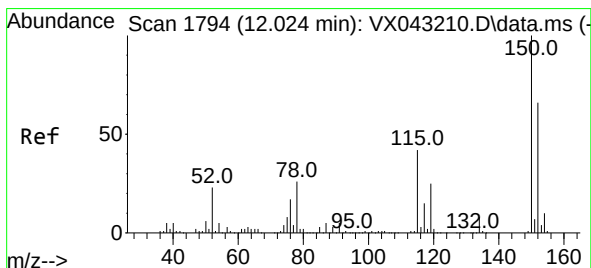
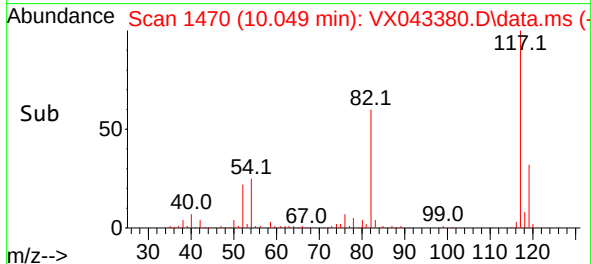
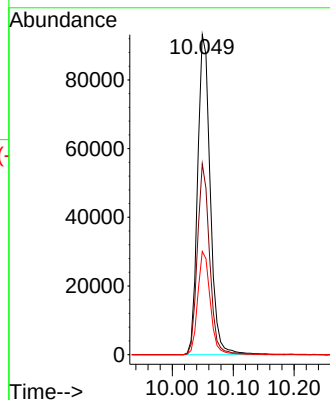
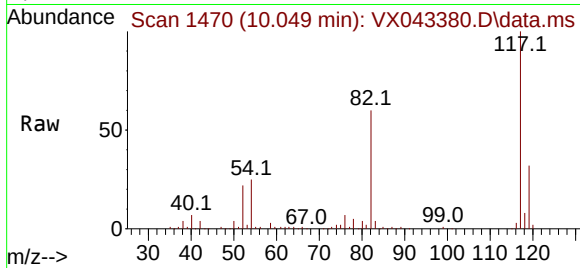




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

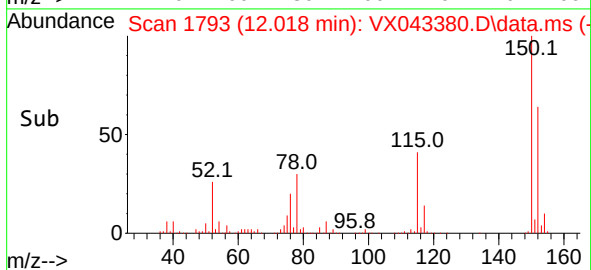
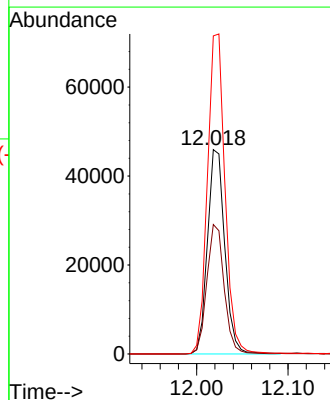
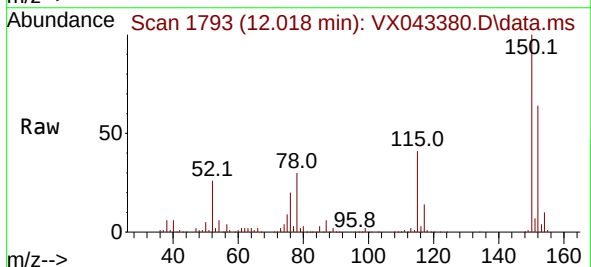
Instrument :
MSVOA_X
ClientSampleId :

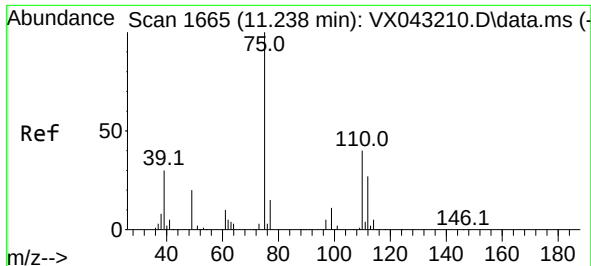
Tgt Ion:117 Resp: 133879
Ion Ratio Lower Upper
117 100
82 59.7 45.0 67.6
119 32.3 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

Tgt Ion:152 Resp: 60553
Ion Ratio Lower Upper
152 100
115 63.4 44.1 132.3
150 159.2 0.0 347.4

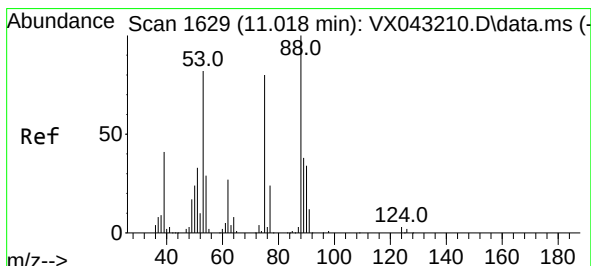
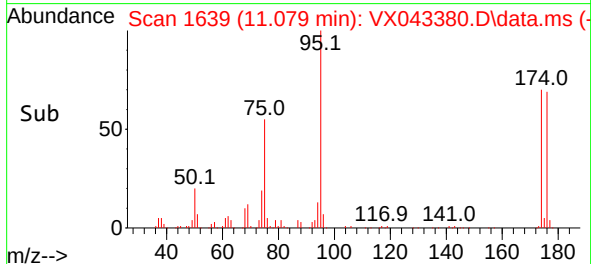
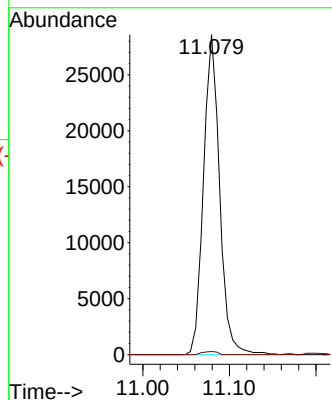
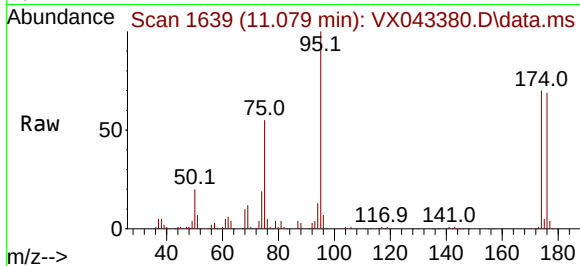




#76
1,2,3-Trichloropropane
Concen: 27.554 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

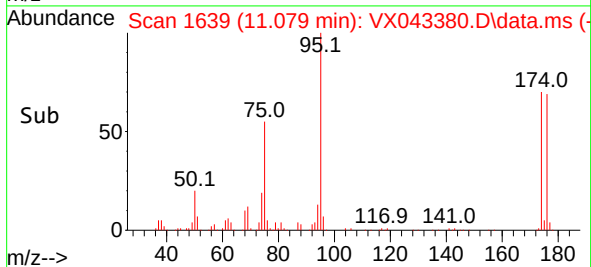
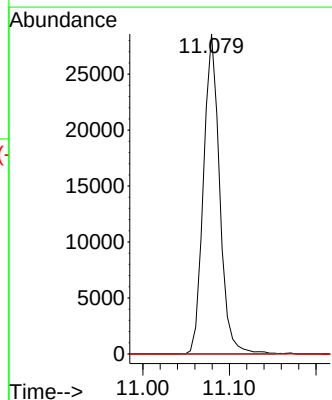
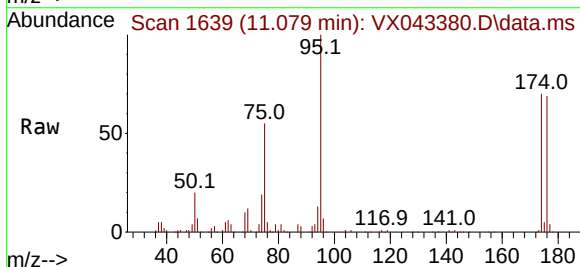
Instrument :
MSVOA_X
ClientSampleId :

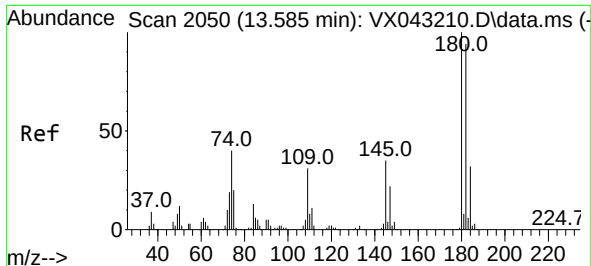
Tgt Ion: 75 Resp: 37009
Ion Ratio Lower Upper
75 100
77 0.9 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.411 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043380.D
Acq: 14 Oct 2024 14:53

Tgt Ion: 75 Resp: 37009
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.277 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX043380.D

Acq: 14 Oct 2024 14:53

Instrument :

MSVOA_X

ClientSampleId :

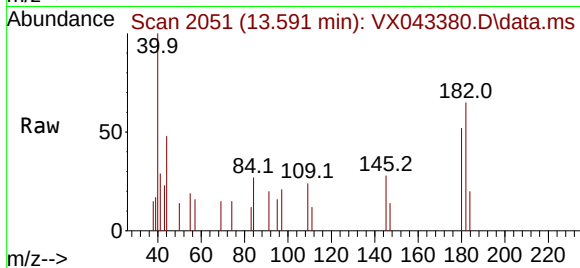
Tgt Ion:180 Resp: 329

Ion Ratio Lower Upper

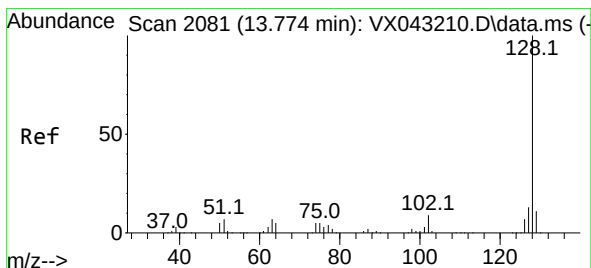
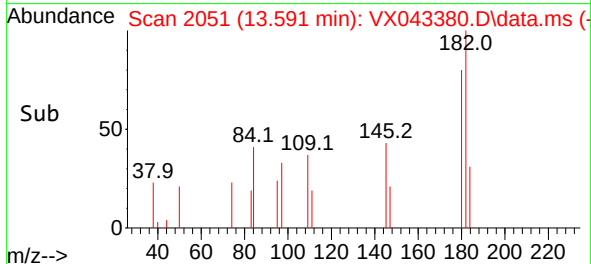
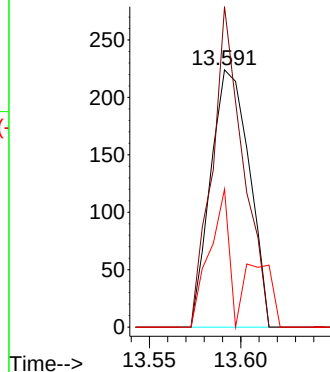
180 100

182 99.4 47.1 141.3

145 27.1 16.6 49.8



Abundance



#95

Naphthalene

Concen: 0.596 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX043380.D

Acq: 14 Oct 2024 14:53

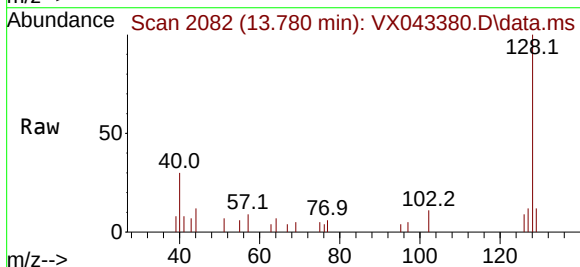
Tgt Ion:128 Resp: 2609

Ion Ratio Lower Upper

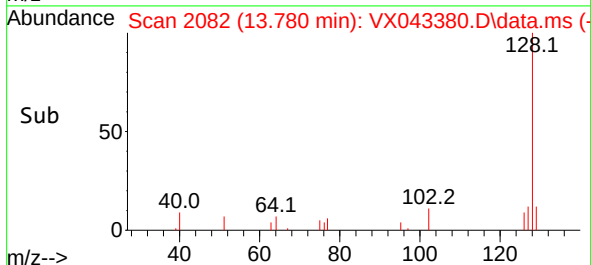
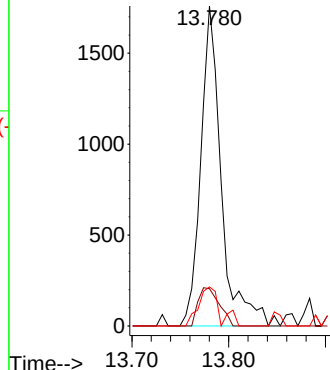
128 100

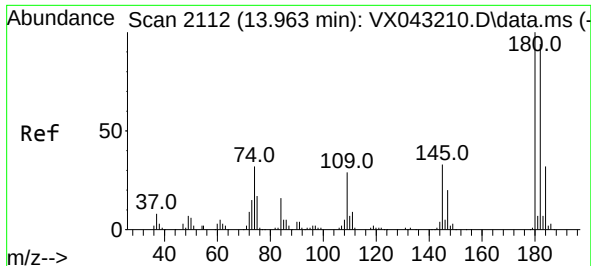
127 12.2 10.2 15.2

129 12.6 8.6 13.0



Abundance





#96

1,2,3-Trichlorobenzene

Concen: 0.325 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.000 min

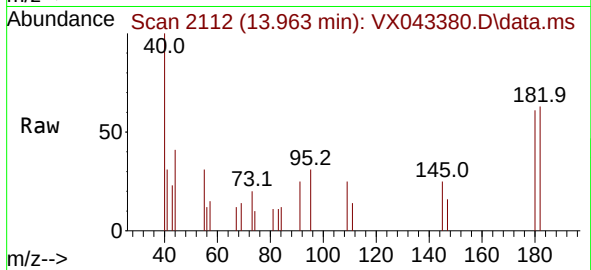
Lab File: VX043380.D

Acq: 14 Oct 2024 14:53

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 399

Ion Ratio Lower Upper

180 100

182 88.2 46.5 139.3

145 40.1 17.2 51.6

