

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100424\
 Data File : VX043288.D
 Acq On : 04 Oct 2024 14:51
 Operator : JC/MD
 Sample : P4270-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IB-2

Quant Time: Oct 04 23:31:28 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)

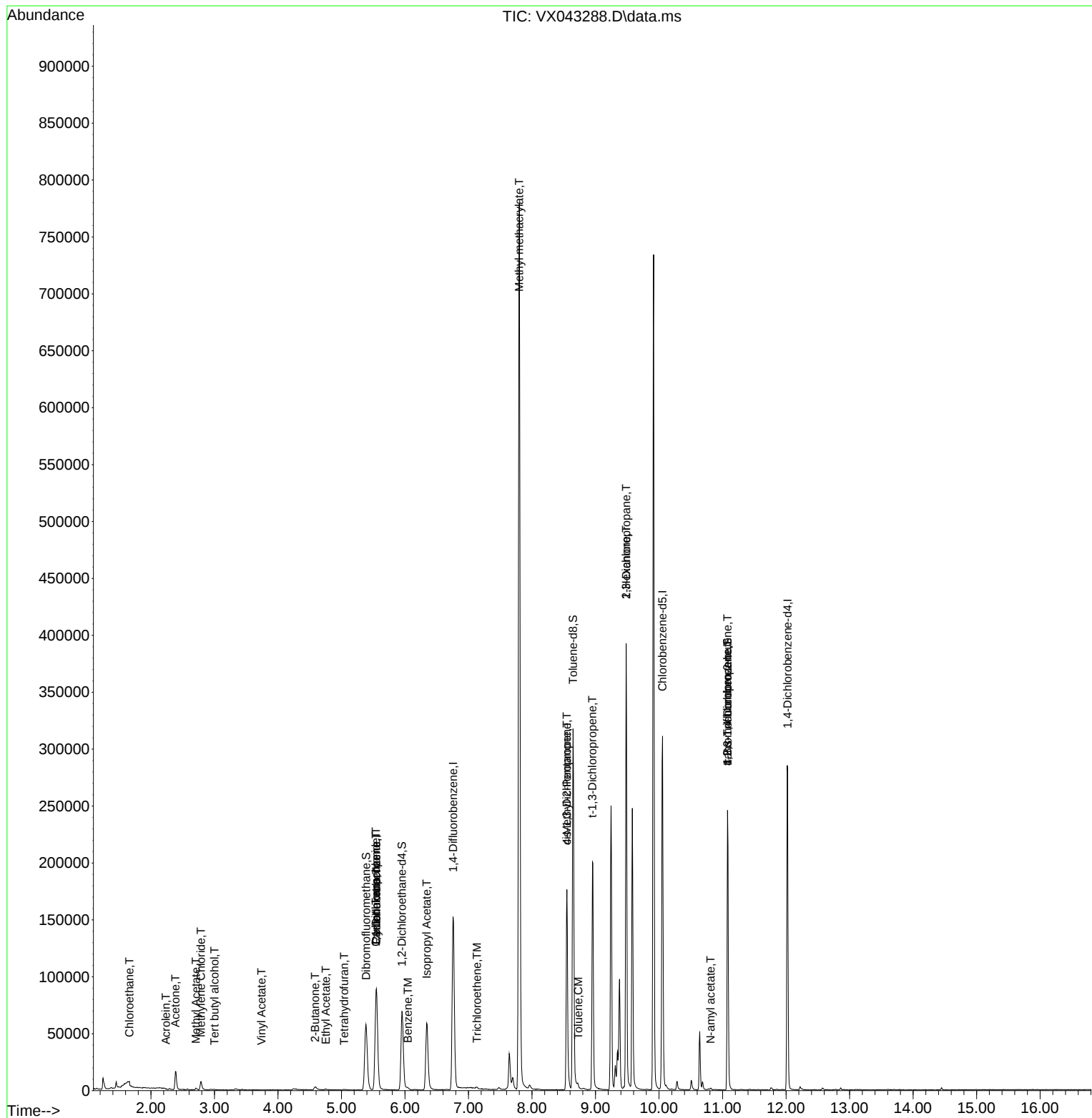
Internal Standards						
1) Pentafluorobenzene	5.550	168	82168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153676	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71282	53.119	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.240%			
35) Dibromofluoromethane	5.385	113	50860	47.990	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.980%			
50) Toluene-d8	8.647	98	184222	50.159	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.320%			
62) 4-Bromofluorobenzene	11.079	95	65644	49.198	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.400%			
Target Compounds					Qvalue	
6) Chloroethane	1.660	64	75	0.204	ug/l #	42
11) Tert butyl alcohol	3.001	59	676	2.647	ug/l #	71
13) Acrolein	2.233	56	185	0.767	ug/l	89
16) Acetone	2.386	43	18725	33.414	ug/l	97
18) Methyl Acetate	2.709	43	2169	1.543	ug/l	95
20) Methylene Chloride	2.788	84	3983	3.855	ug/l	94
23) Vinyl Acetate	3.739	43	24	6.346	ug/l #	71
25) 2-Butanone	4.586	43	6278	8.170	ug/l	93
29) Tetrahydrofuran	5.044	42	316	0.646	ug/l #	48
31) Cyclohexane	5.550	56	1962	1.355	ug/l #	16
36) 1,1-Dichloropropene	5.544	75	7267	5.428	ug/l #	50
37) Ethyl Acetate	4.751	43	1749	1.088	ug/l #	77
38) Carbon Tetrachloride	5.544	117	9166	5.783	ug/l #	16
40) Benzene	6.043	78	2434	0.600	ug/l	99
43) Isopropyl Acetate	6.342	43	83848	31.573	ug/l	100
44) Trichloroethene	7.135	130	542	0.503	ug/l	79
48) Methyl methacrylate	7.799	41	72464	55.611	ug/l #	45
51) 4-Methyl-2-Pentanone	8.549	43	64856	40.210	ug/l #	47
52) Toluene	8.726	92	1056	0.415	ug/l	92
53) t-1,3-Dichloropropene	8.951	75	398	0.255	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	27186	16.253	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	3306	1.920	ug/l #	43
59) 2-Hexanone	9.482	43	48779	39.992	ug/l #	54
74) N-amyl acetate	10.811	43	516	0.238	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	36450	27.956	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	36450	72.453	ug/l #	8

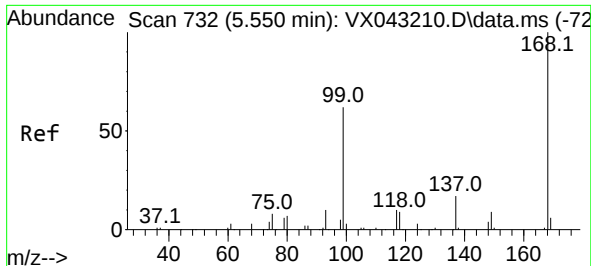
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 04 23:31:28 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

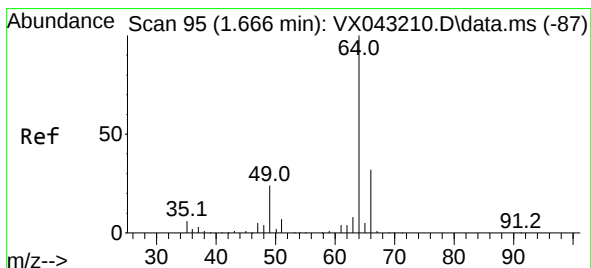
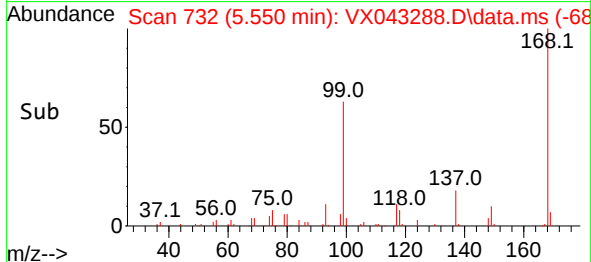
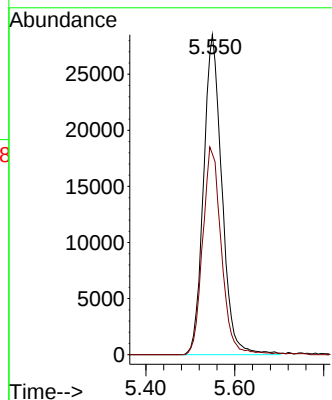
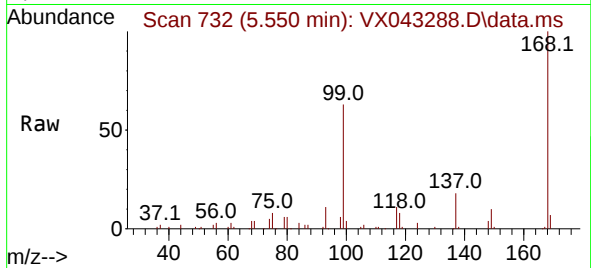




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

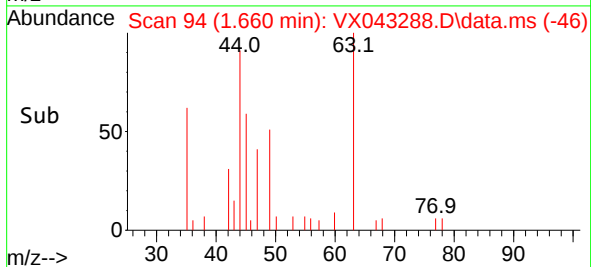
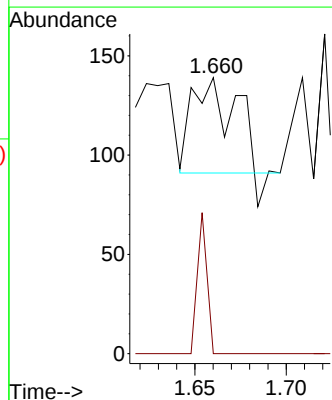
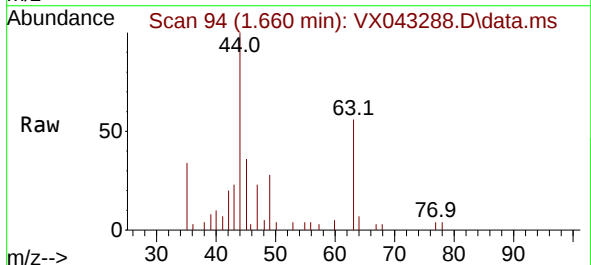
Instrument :
MSVOA_X
ClientSampleId :
IB-2

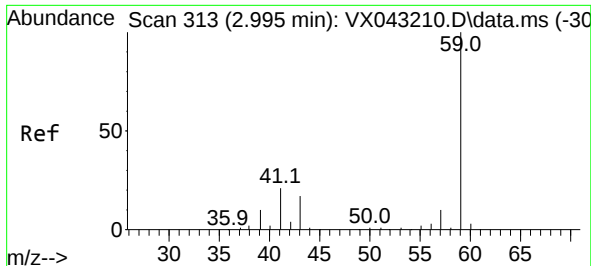
Tgt Ion:168 Resp: 82168
Ion Ratio Lower Upper
168 100
99 62.8 49.7 74.5



#6
Chloroethane
Concen: 0.204 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

Tgt Ion: 64 Resp: 75
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#





#11

Tert butyl alcohol

Concen: 2.647 ug/l

RT: 3.001 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX043288.D

Acq: 04 Oct 2024 14:51

Instrument :

MSVOA_X

ClientSampleId :

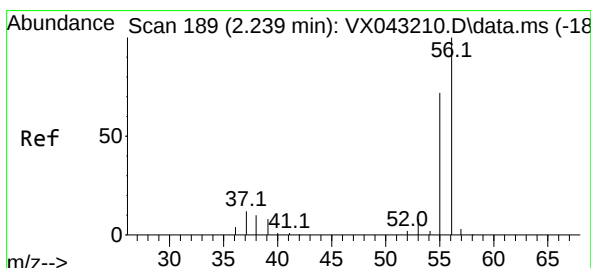
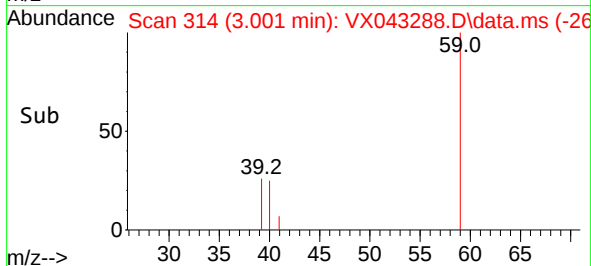
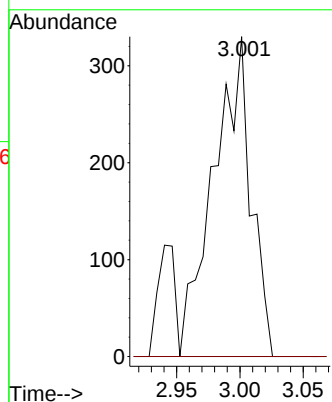
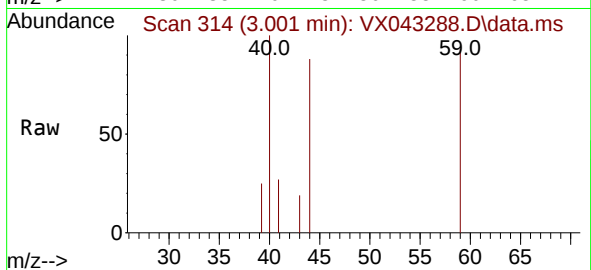
IB-2

Tgt Ion: 59 Resp: 676

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#13

Acrolein

Concen: 0.767 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX043288.D

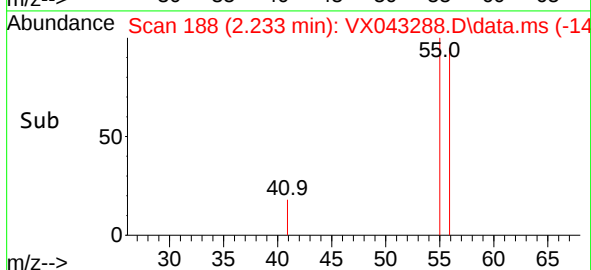
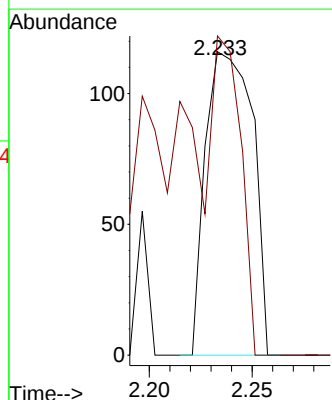
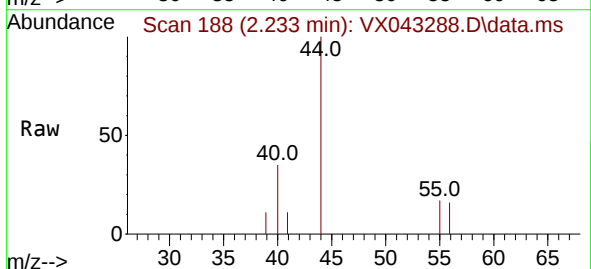
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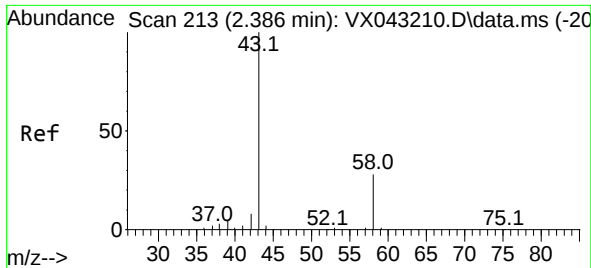
Tgt Ion: 56 Resp: 185

Ion Ratio Lower Upper

56 100

55 62.7 57.4 86.0

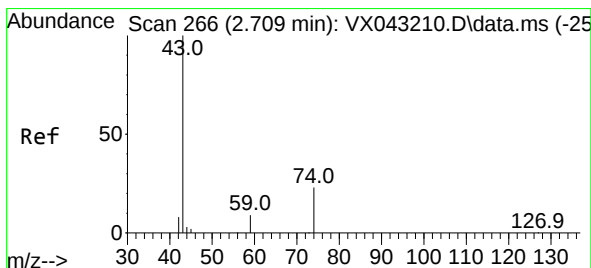
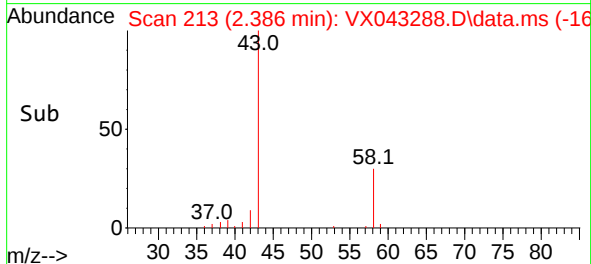
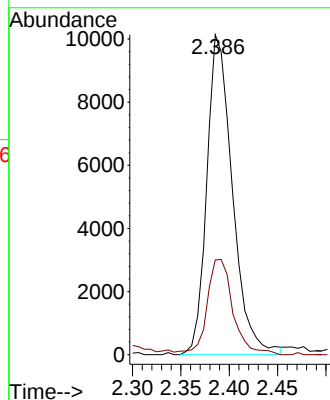
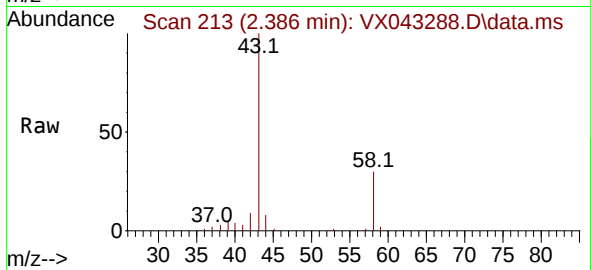




#16
Acetone
Concen: 33.414 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

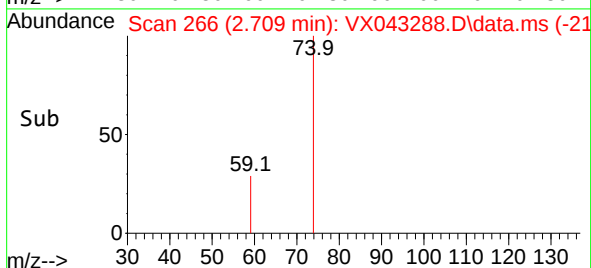
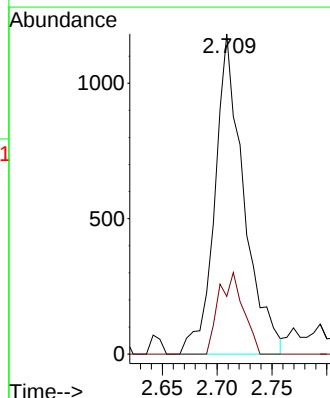
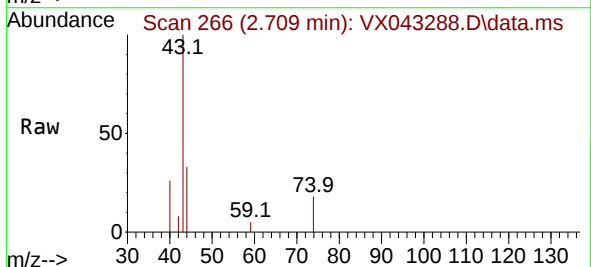
Instrument :
MSVOA_X
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IB-2

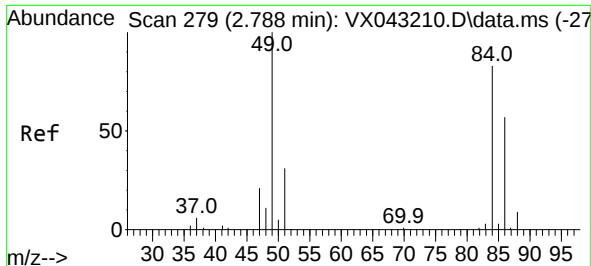
Tgt Ion: 43 Resp: 18725
Ion Ratio Lower Upper
43 100
58 29.6 22.6 33.8



#18
Methyl Acetate
Concen: 1.543 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

Tgt Ion: 43 Resp: 2169
Ion Ratio Lower Upper
43 100
74 21.6 19.1 28.7

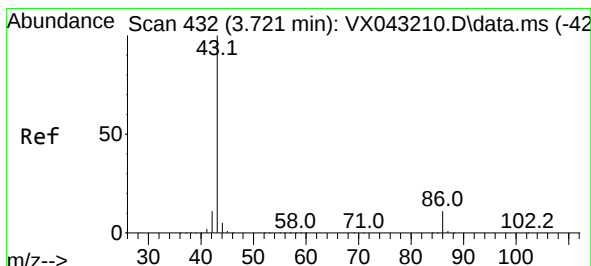
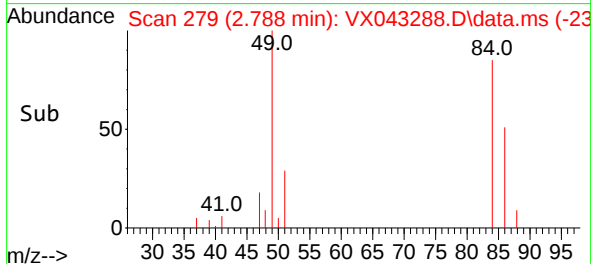
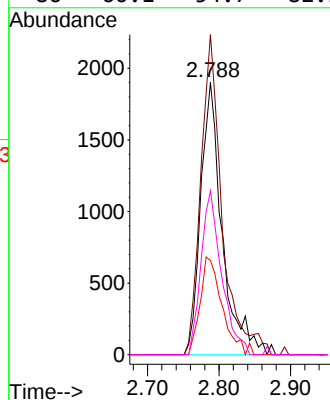
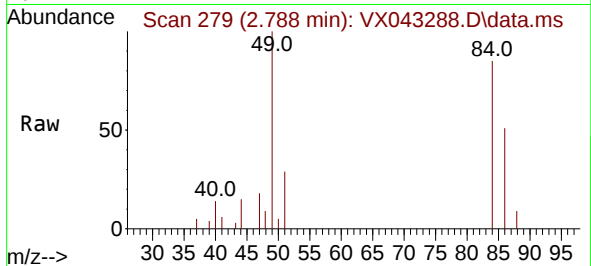




#20
Methylene Chloride
Concen: 3.855 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

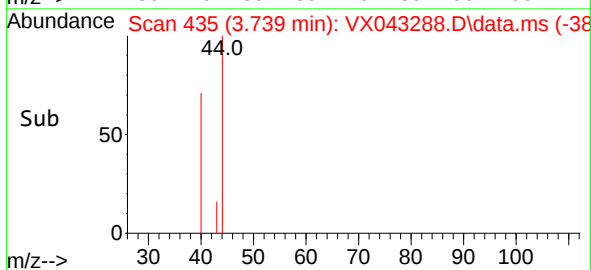
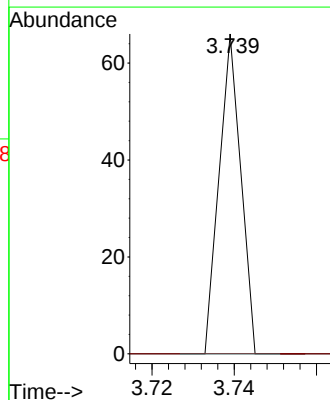
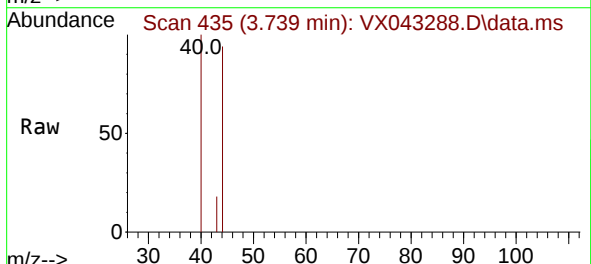
Instrument :
MSVOA_X
ClientSampleId :
IB-2

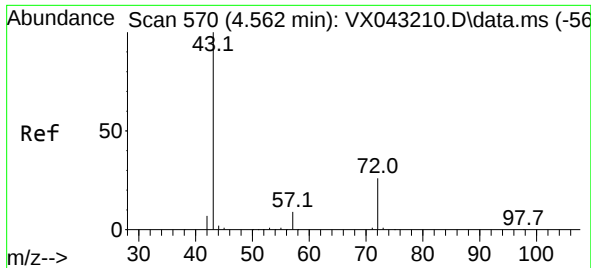
Tgt Ion: 84	Resp: 3983
Ion Ratio	Lower Upper
84 100	
49 117.5	96.7 145.1
51 34.5	30.4 45.6
86 60.1	54.7 82.1



#23
Vinyl Acetate
Concen: 6.346 ug/l
RT: 3.739 min Scan# 435
Delta R.T. 0.018 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

Tgt Ion: 43	Resp: 24
Ion Ratio	Lower Upper
43 100	
86 0.0	8.8 13.2#

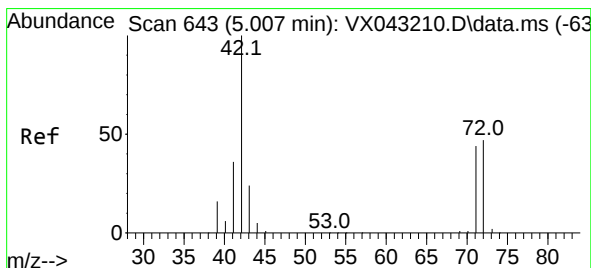
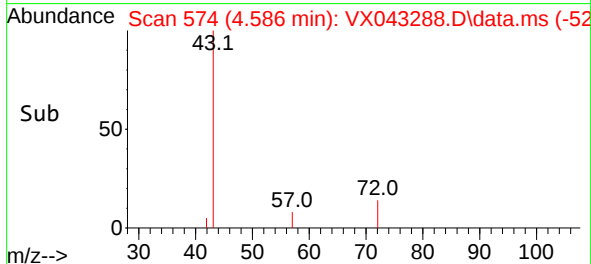
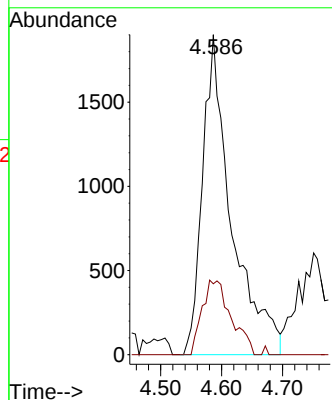
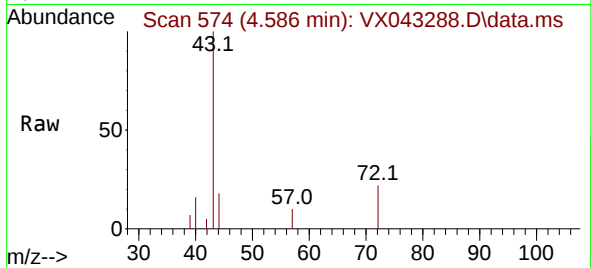




#25
2-Butanone
Concen: 8.170 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

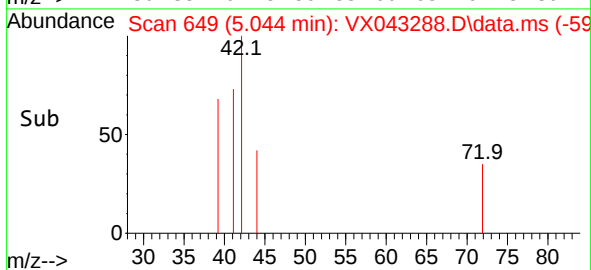
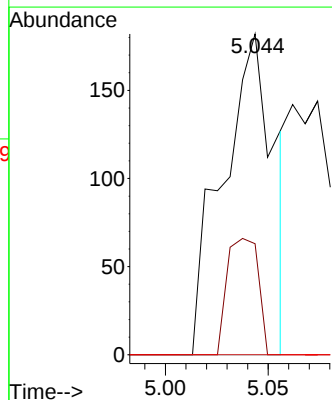
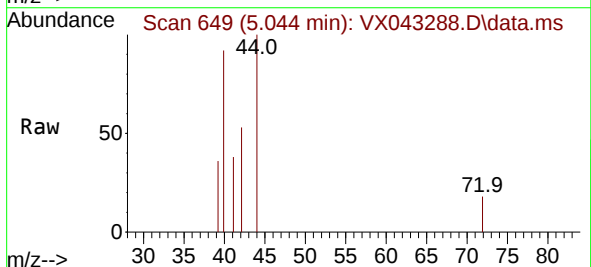
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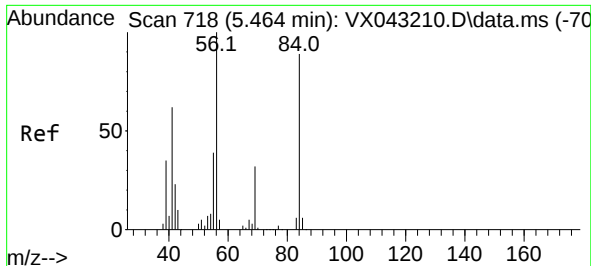
Tgt Ion: 43 Resp: 6278
Ion Ratio Lower Upper
43 100
72 22.1 20.6 31.0



#29
Tetrahydrofuran
Concen: 0.646 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.036 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

Tgt Ion: 42 Resp: 316
Ion Ratio Lower Upper
42 100
72 22.2 37.7 56.5#
71 0.0 34.6 52.0#

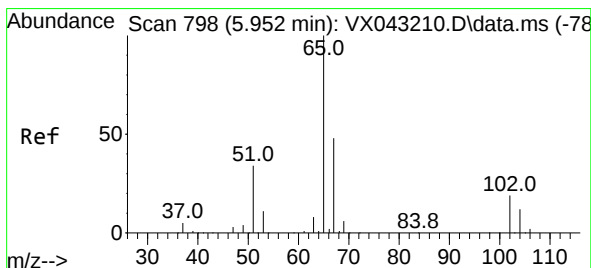
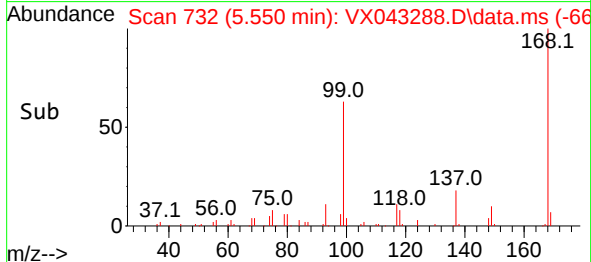
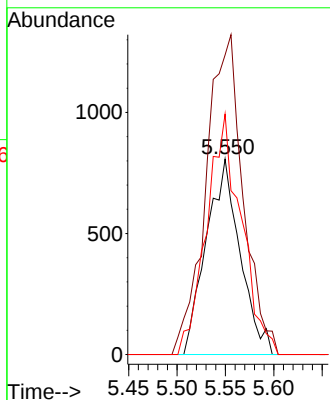
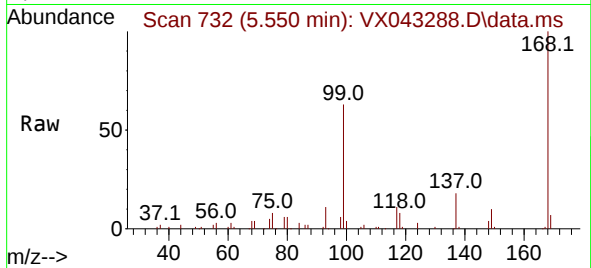




#31
Cyclohexane
Concen: 1.355 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

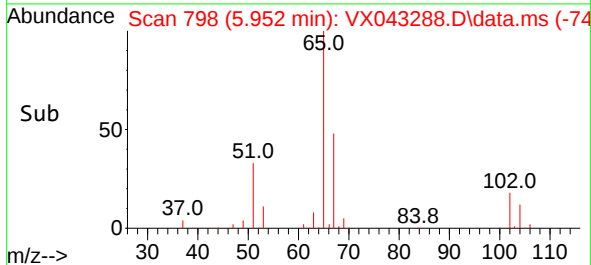
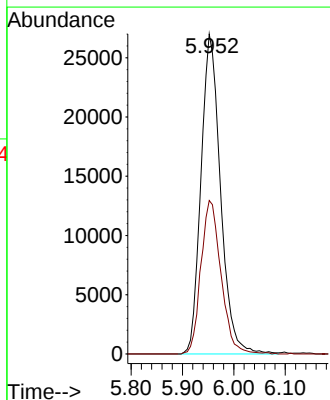
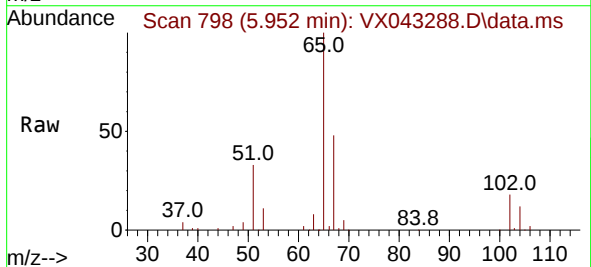
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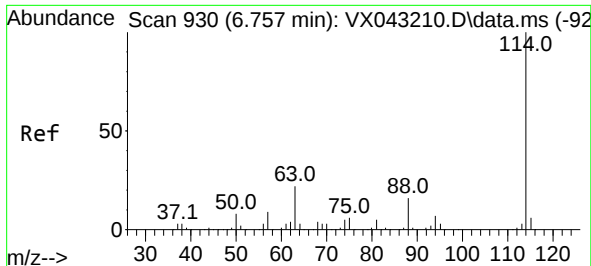
Tgt Ion: 56 Resp: 1962
Ion Ratio Lower Upper
56 100
69 153.1 25.8 38.6#
84 122.9 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 53.119 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

Tgt Ion: 65 Resp: 71282
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0

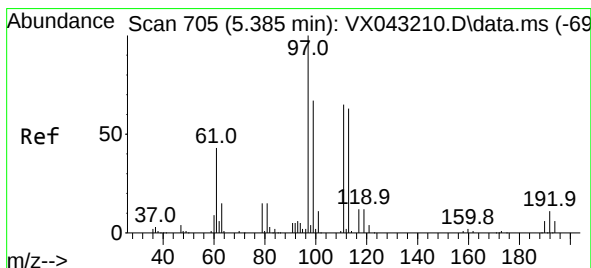
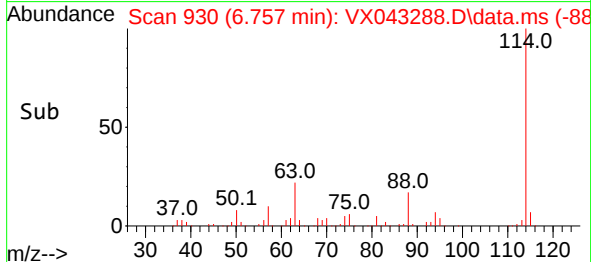
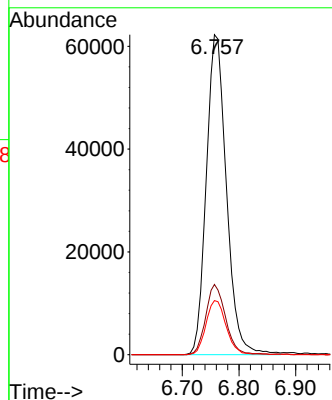
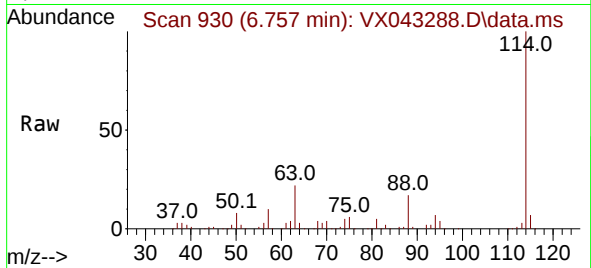




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

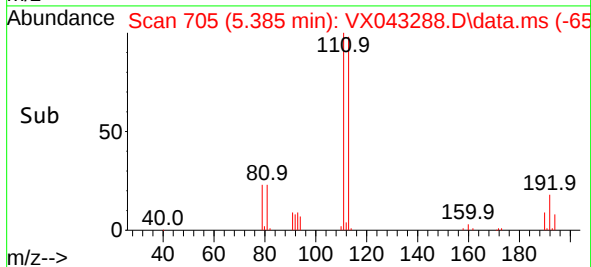
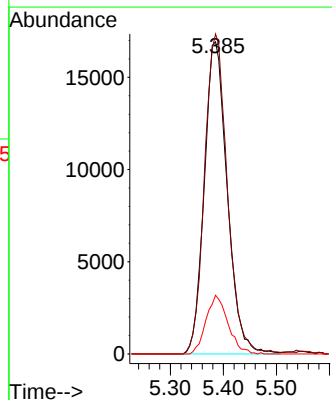
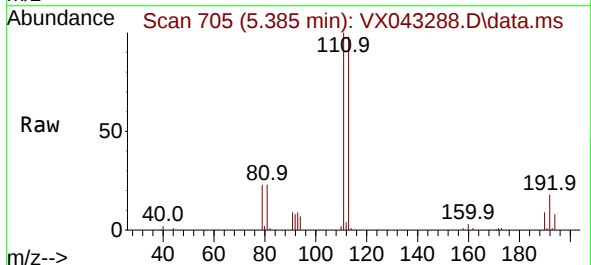
Instrument :
MSVOA_X
ClientSampleId :
IB-2

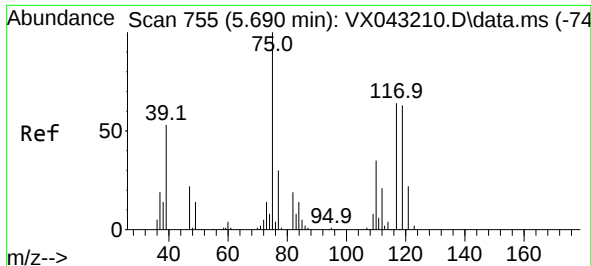
Tgt Ion:114 Resp: 153676
Ion Ratio Lower Upper
114 100
63 22.0 0.0 43.0
88 16.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 47.990 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

Tgt Ion:113 Resp: 50860
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.0
192 17.9 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.428 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX043288.D

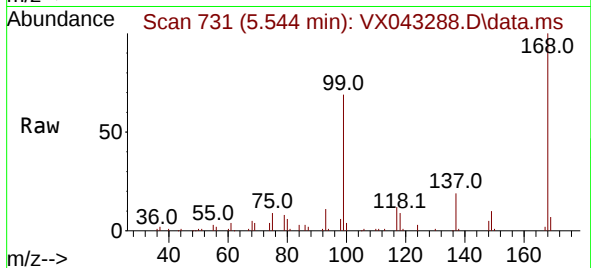
Acq: 04 Oct 2024 14:51

Instrument :

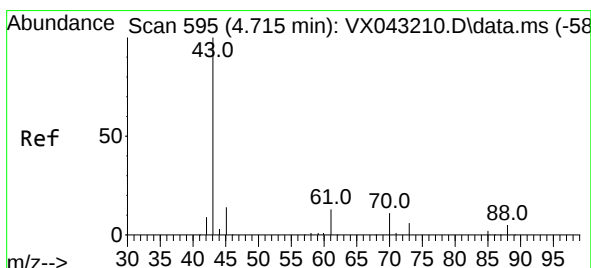
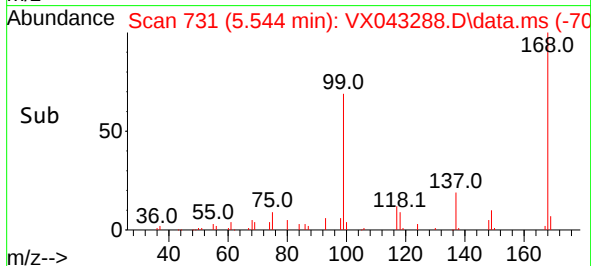
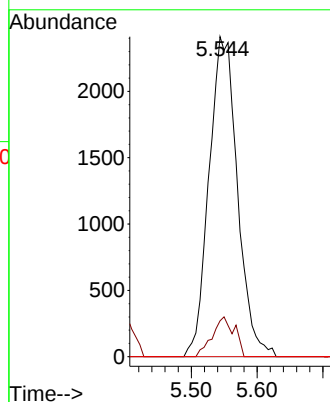
MSVOA_X

ClientSampleId :

IB-2



Tgt Ion:	75	Resp:	7267
Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.8	53.3#
77	0.0	24.9	37.3#



#37

Ethyl Acetate

Concen: 1.088 ug/l

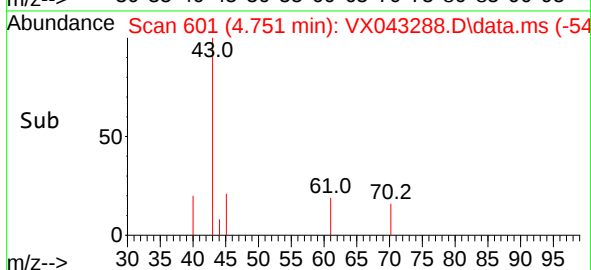
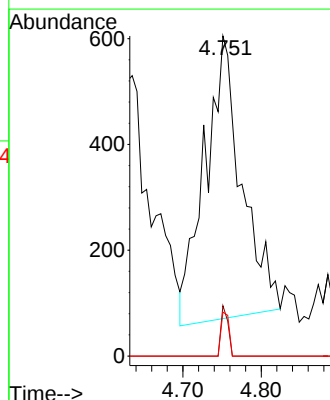
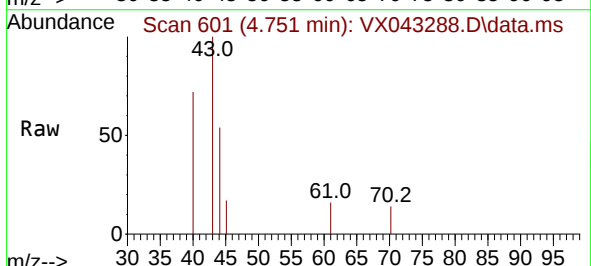
RT: 4.751 min Scan# 601

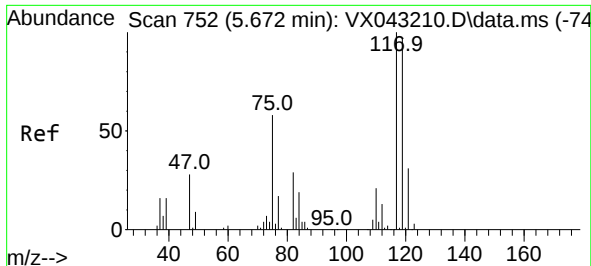
Delta R.T. 0.036 min

Lab File: VX043288.D

Acq: 04 Oct 2024 14:51

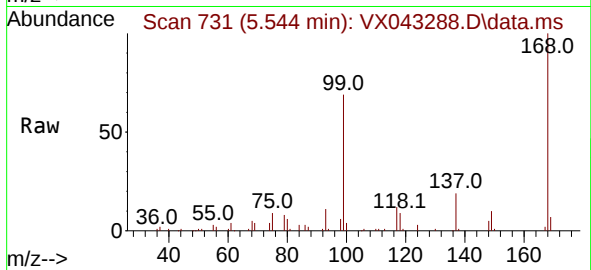
Tgt Ion:	43	Resp:	1749
Ion	Ratio	Lower	Upper
43	100		
61	3.4	11.0	16.4#
70	3.4	8.9	13.3#



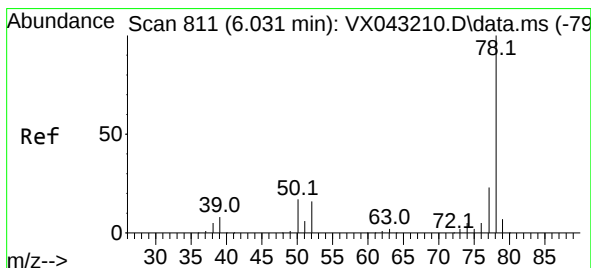
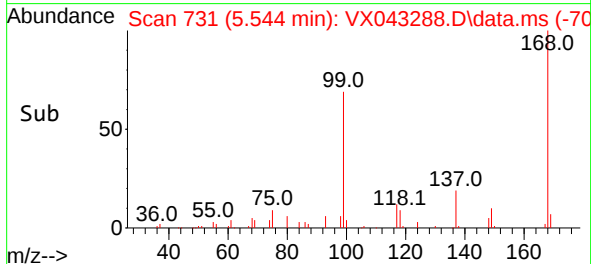
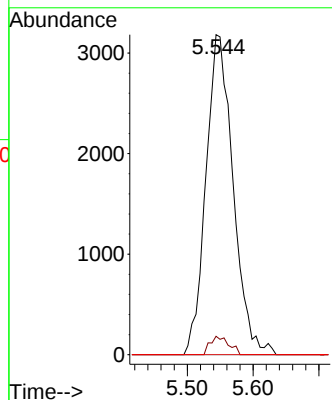


#38
Carbon Tetrachloride
Concen: 5.783 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

Instrument :
MSVOA_X
ClientSampleId :
IB-2

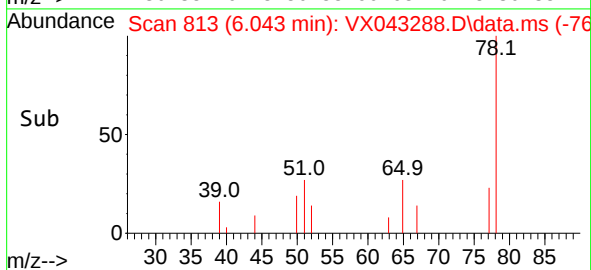
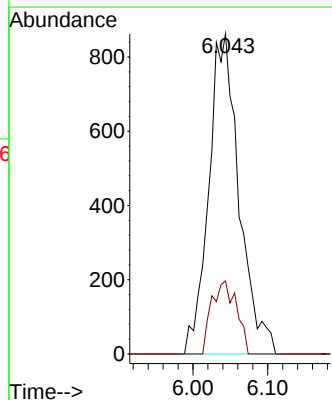
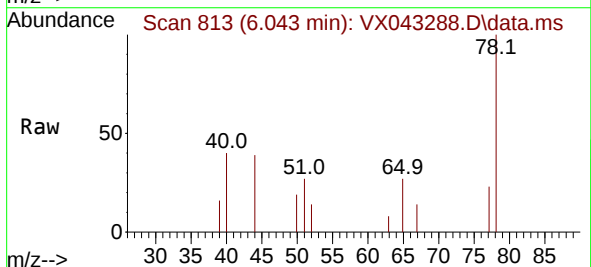


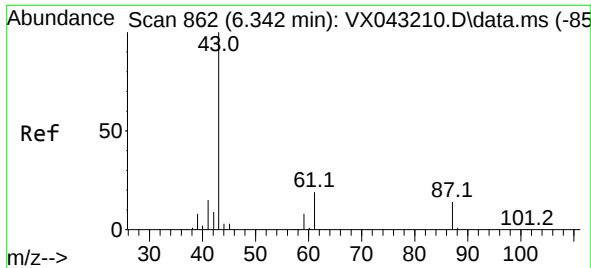
Tgt Ion:117 Resp: 9166
Ion Ratio Lower Upper
117 100
119 5.8 77.7 116.5#
121 0.0 24.3 36.5#



#40
Benzene
Concen: 0.600 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.012 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

Tgt Ion: 78 Resp: 2434
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2





#43

Isopropyl Acetate

Concen: 31.573 ug/l

RT: 6.342 min Scan# 862

Delta R.T. -0.000 min

Lab File: VX043288.D

Acq: 04 Oct 2024 14:51

Instrument :

MSVOA_X

ClientSampleId :

IB-2

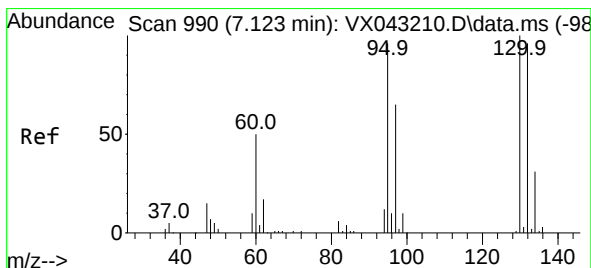
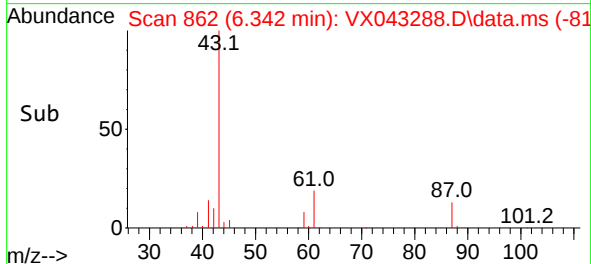
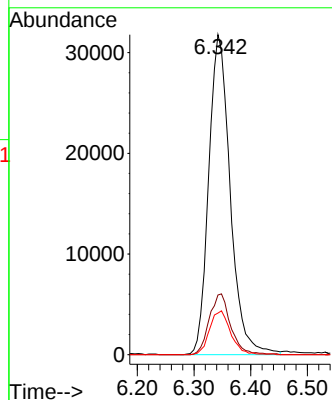
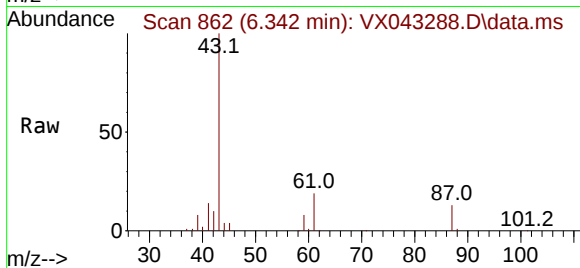
Tgt Ion: 43 Resp: 83848

Ion Ratio Lower Upper

43 100

61 18.9 15.1 22.7

87 13.4 10.8 16.2



#44

Trichloroethene

Concen: 0.503 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.012 min

Lab File: VX043288.D

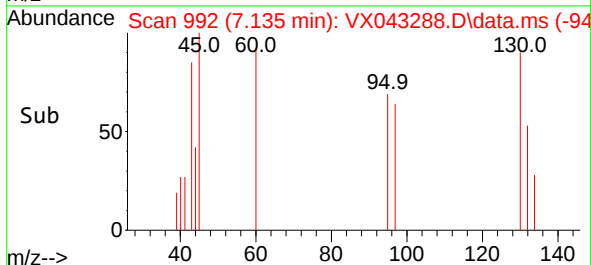
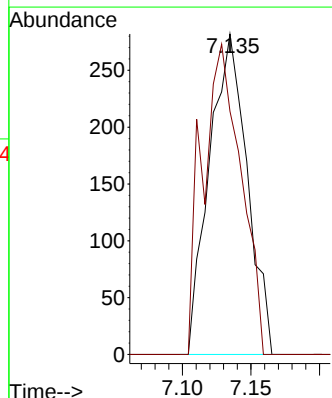
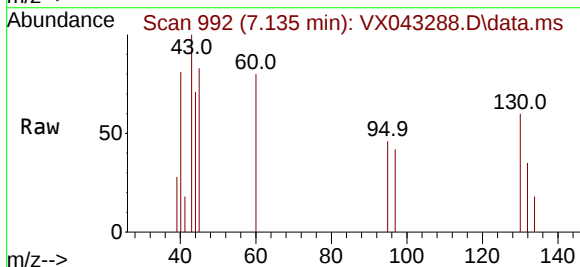
Acq: 04 Oct 2024 14:51

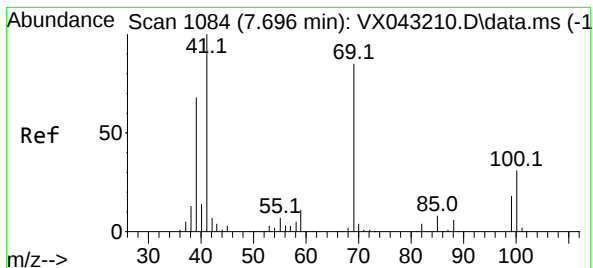
Tgt Ion:130 Resp: 542

Ion Ratio Lower Upper

130 100

95 75.9 0.0 192.2





#48

Methyl methacrylate

Concen: 55.611 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX043288.D

Acq: 04 Oct 2024 14:51

Instrument :

MSVOA_X

ClientSampleId :

IB-2

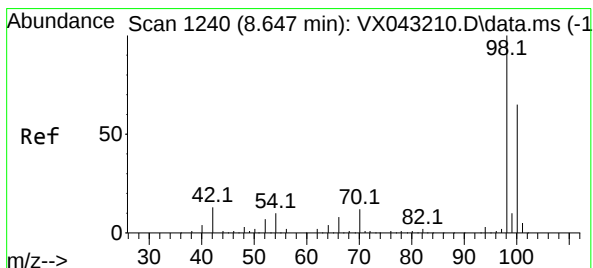
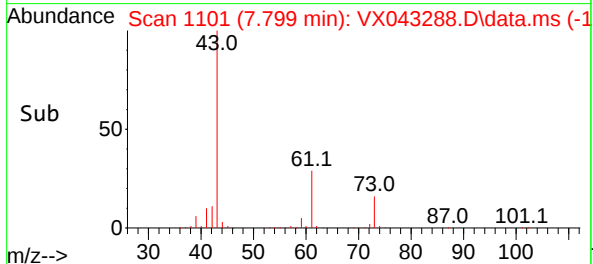
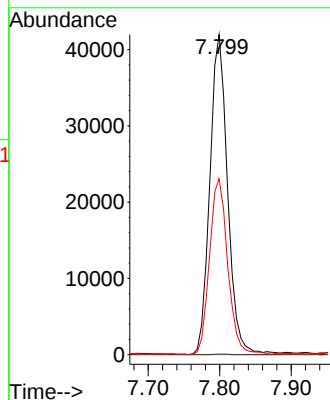
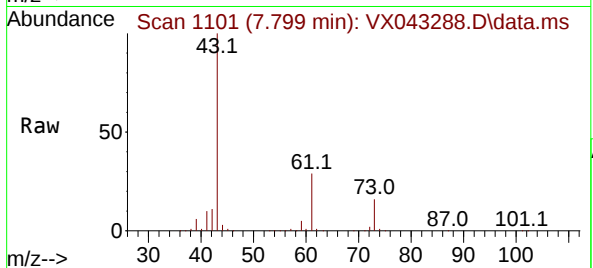
Tgt Ion: 41 Resp: 72464

Ion Ratio Lower Upper

41 100

69 0.1 64.1 96.1#

39 56.3 52.8 79.2



#50

Toluene-d8

Concen: 50.159 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043288.D

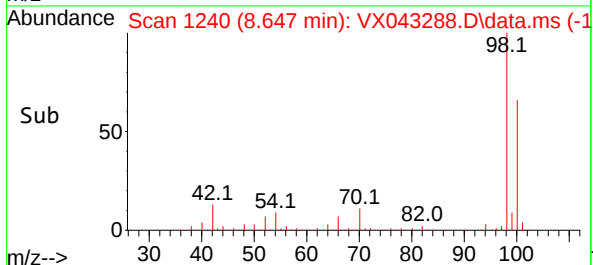
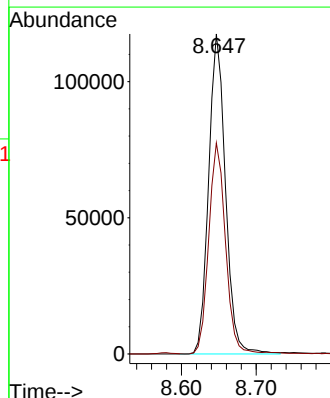
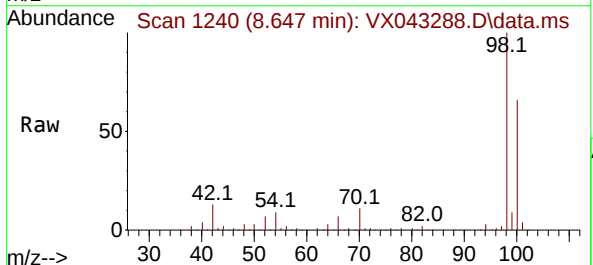
Acq: 04 Oct 2024 14:51

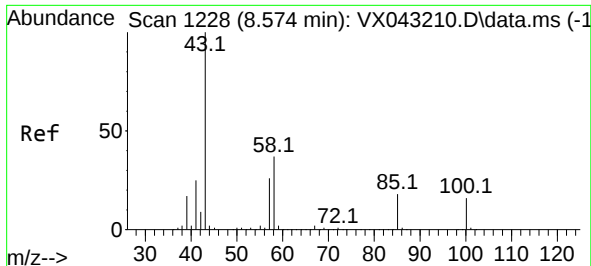
Tgt Ion: 98 Resp: 184222

Ion Ratio Lower Upper

98 100

100 66.2 52.4 78.6

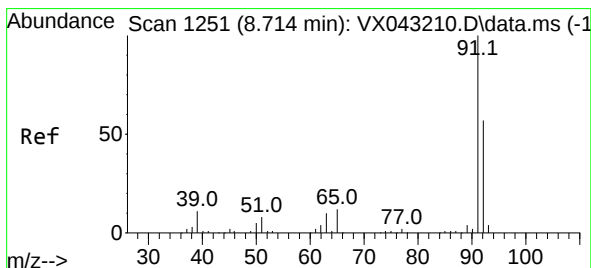
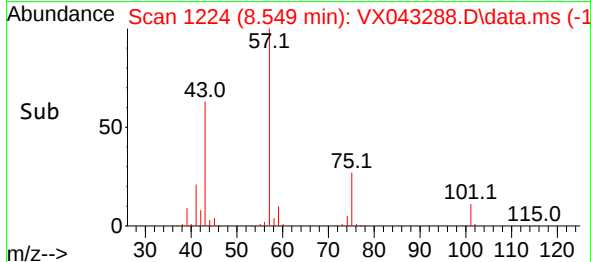
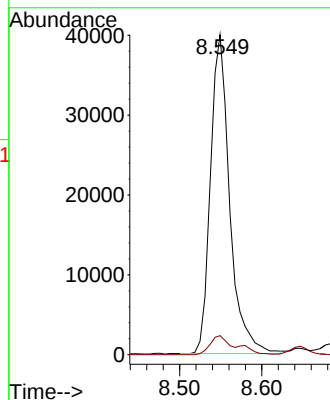
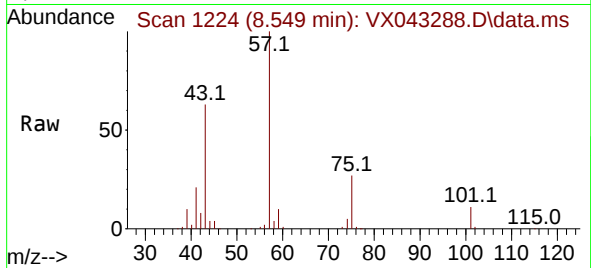




#51
4-Methyl-2-Pentanone
Concen: 40.210 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

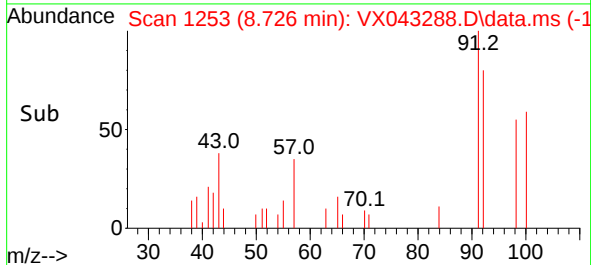
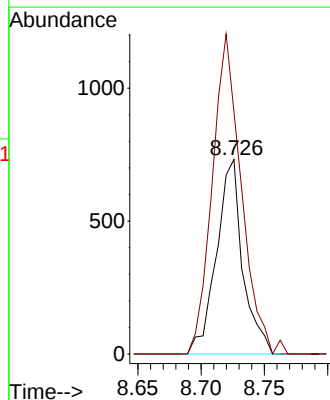
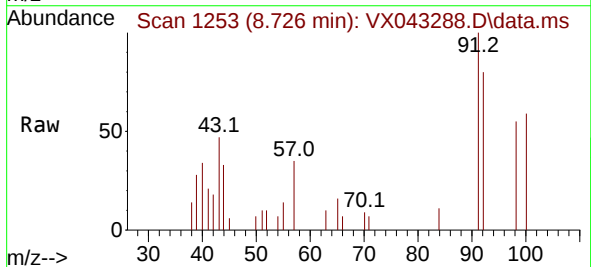
Instrument :
MSVOA_X
ClientSampleId :
IB-2

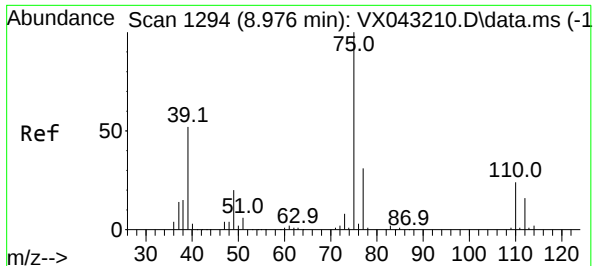
Tgt Ion: 43 Resp: 64856
Ion Ratio Lower Upper
43 100
58 5.8 30.0 45.0#



#52
Toluene
Concen: 0.415 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

Tgt Ion: 92 Resp: 1056
Ion Ratio Lower Upper
92 100
91 181.7 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 0.255 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX043288.D

Acq: 04 Oct 2024 14:51

Instrument :

MSVOA_X

ClientSampleId :

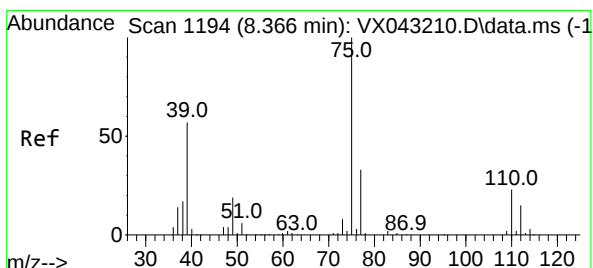
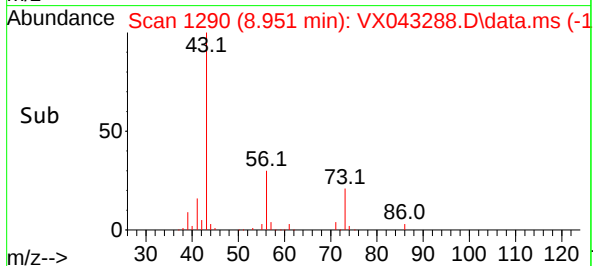
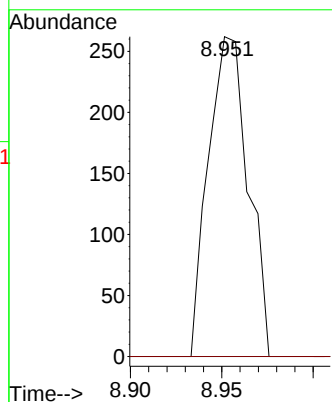
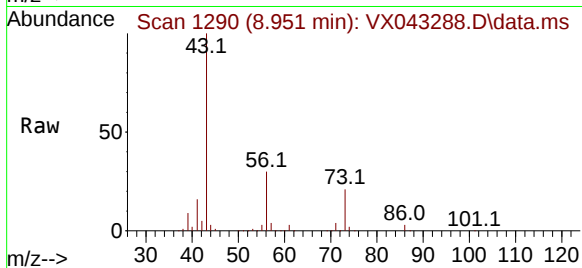
IB-2

Tgt Ion: 75 Resp: 398

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 16.253 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX043288.D

Acq: 04 Oct 2024 14:51

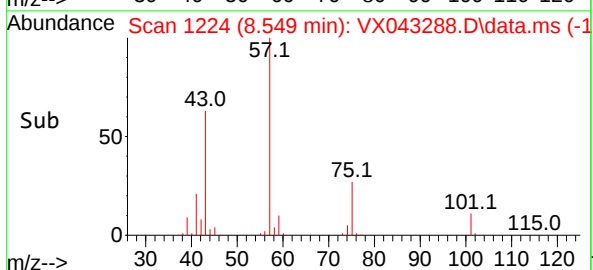
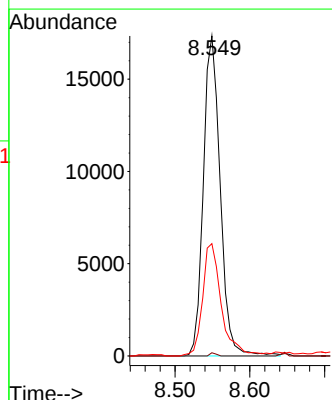
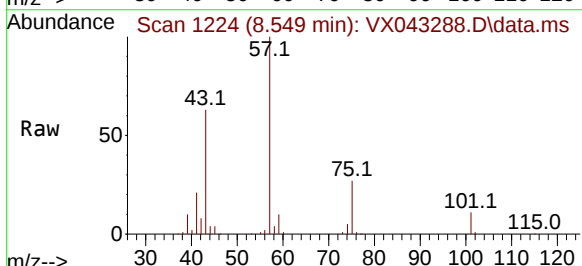
Tgt Ion: 75 Resp: 27186

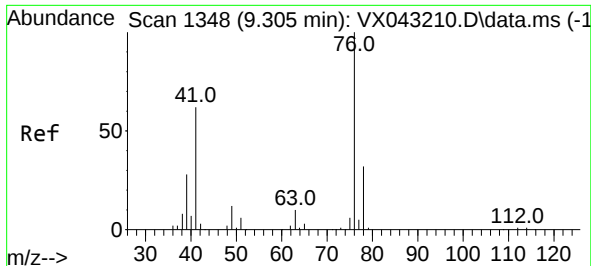
Ion Ratio Lower Upper

75 100

77 1.0 26.0 39.0#

39 35.1 45.8 68.8#

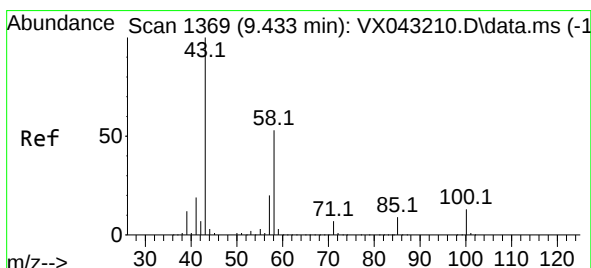
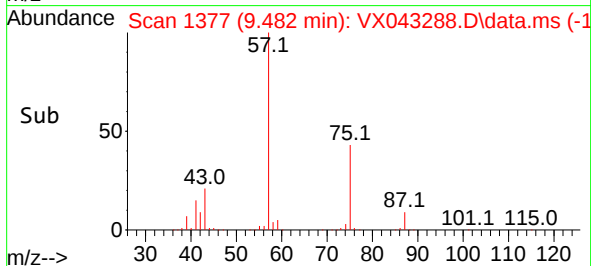
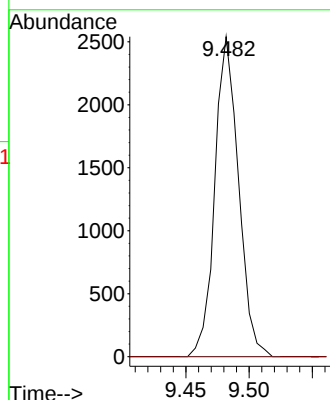
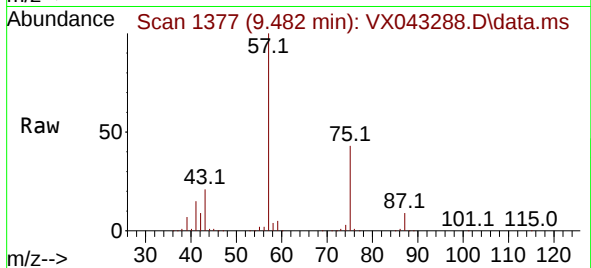




#57
1,3-Dichloropropane
Concen: 1.920 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

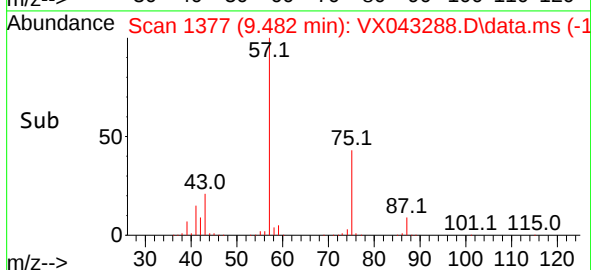
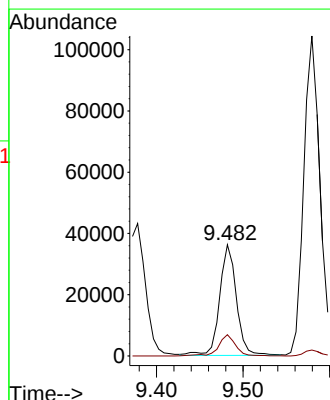
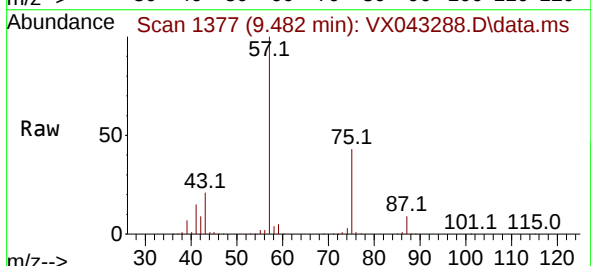
Instrument :
MSVOA_X
ClientSampleId :
IB-2

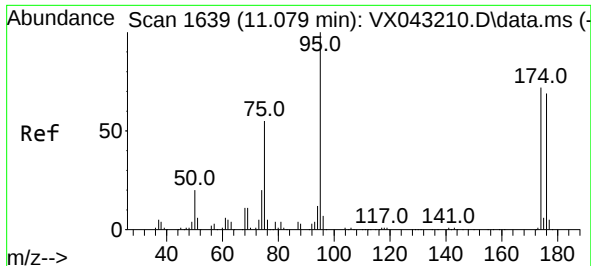
Tgt Ion: 76 Resp: 3306
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 39.992 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

Tgt Ion: 43 Resp: 48779
Ion Ratio Lower Upper
43 100
58 19.6 26.1 78.3#

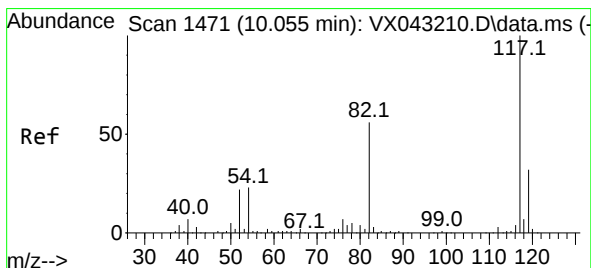
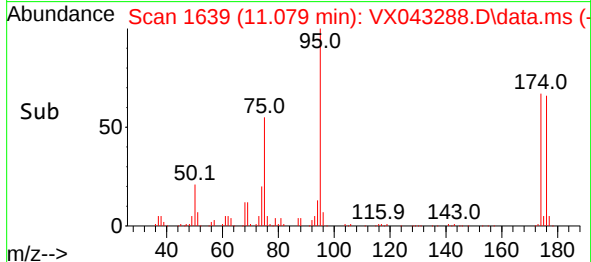
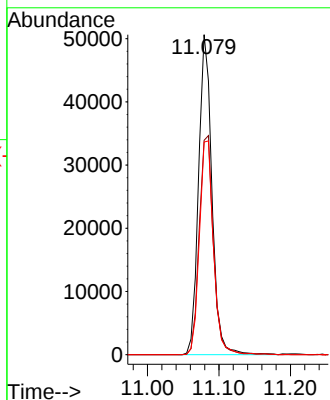
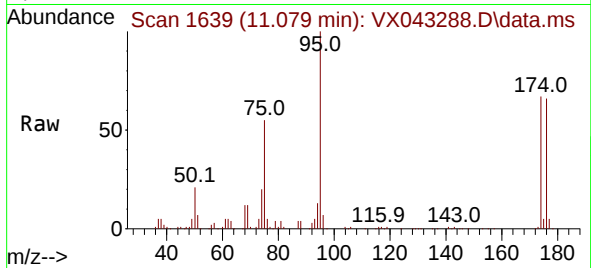




#62
4-Bromofluorobenzene
Concen: 49.198 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

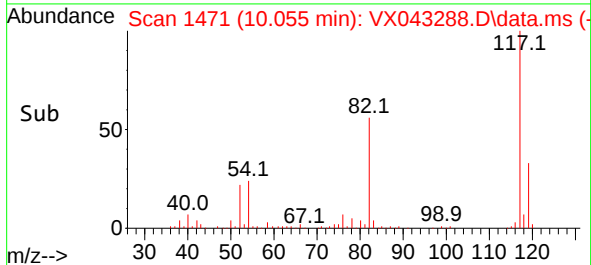
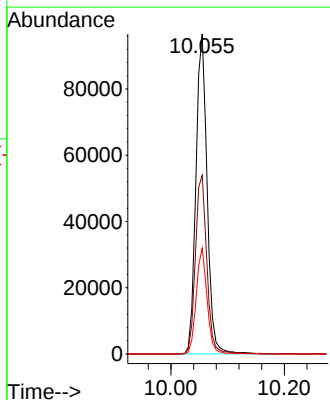
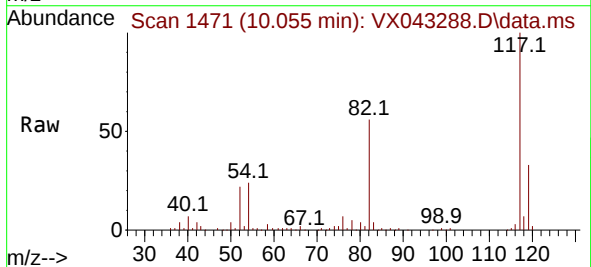
Instrument :
MSVOA_X
ClientSampleId :
IB-2

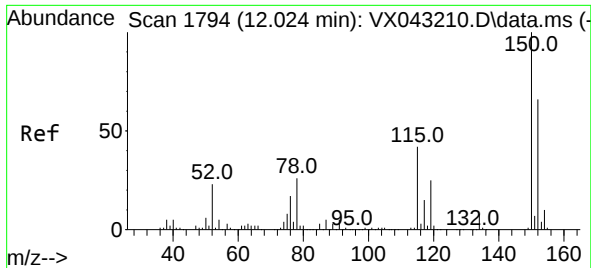
Tgt Ion: 95 Resp: 65644
Ion Ratio Lower Upper
95 100
174 72.5 0.0 145.0
176 70.5 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

Tgt Ion: 117 Resp: 132631
Ion Ratio Lower Upper
117 100
82 55.9 45.0 67.6
119 33.1 25.3 37.9

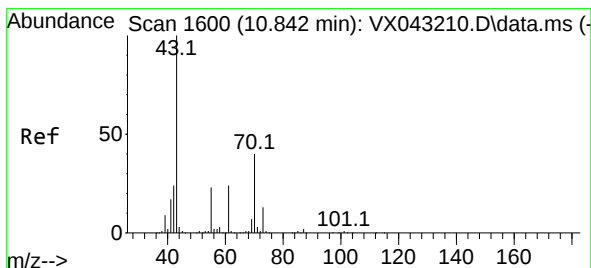
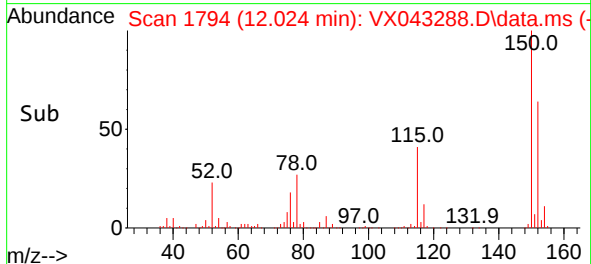
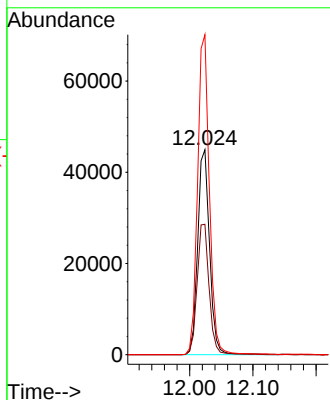
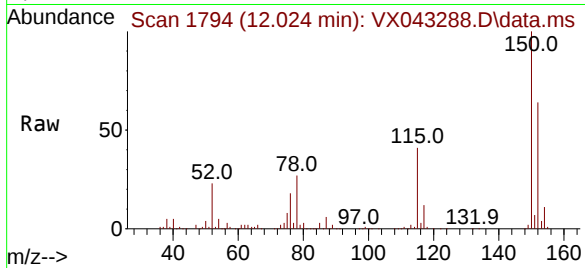




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX043288.D
 Acq: 04 Oct 2024 14:51

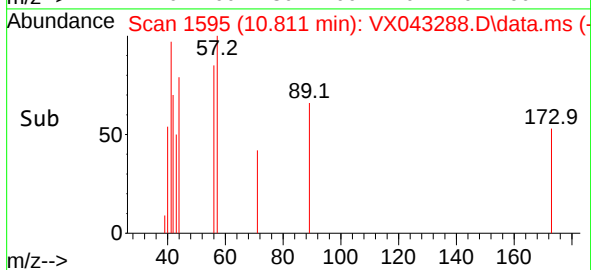
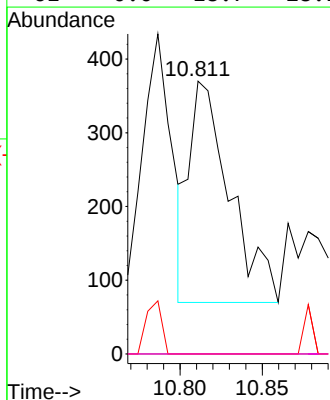
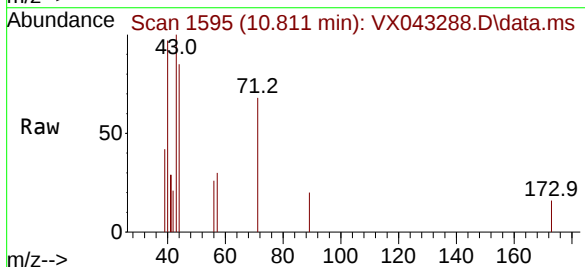
Instrument :
 MSVOA_X
 ClientSampleId :
 IB-2

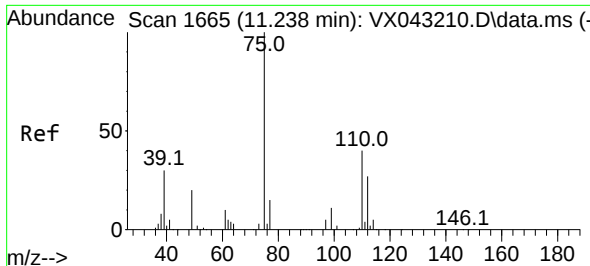
Tgt Ion:152 Resp: 58781
 Ion Ratio Lower Upper
 152 100
 115 64.4 44.1 132.3
 150 155.2 0.0 347.4



#74
 N-ethyl acetate
 Concen: 0.238 ug/l
 RT: 10.811 min Scan# 1595
 Delta R.T. -0.031 min
 Lab File: VX043288.D
 Acq: 04 Oct 2024 14:51

Tgt Ion: 43 Resp: 516
 Ion Ratio Lower Upper
 43 100
 70 0.0 33.1 49.7#
 55 0.0 18.6 27.8#
 61 0.0 18.7 28.1#

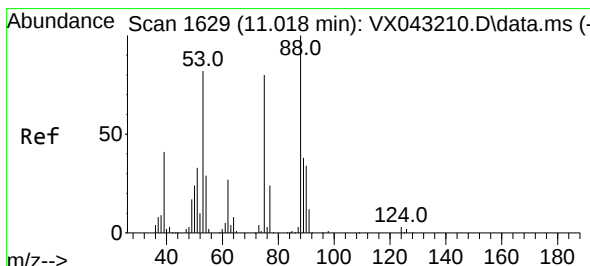
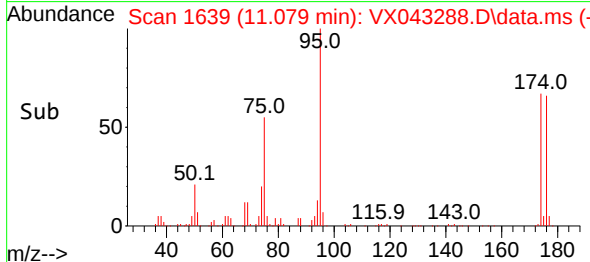
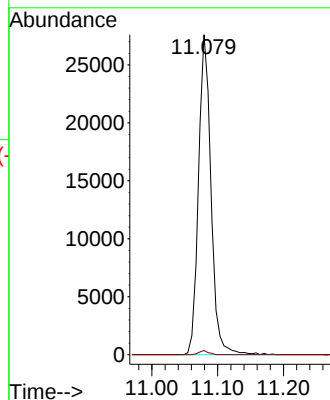
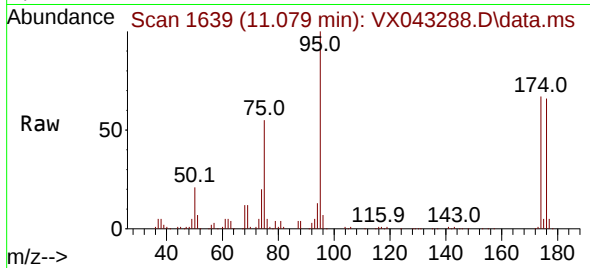




#76
1,2,3-Trichloropropane
Concen: 27.956 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

Instrument :
MSVOA_X
ClientSampleId :
IB-2

Tgt Ion: 75 Resp: 36450
Ion Ratio Lower Upper
75 100
77 1.0 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.453 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043288.D
Acq: 04 Oct 2024 14:51

Tgt Ion: 75 Resp: 36450
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

