

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101524\
 Data File : VX043395.D
 Acq On : 15 Oct 2024 11:14 am
 Operator : JC/MD
 Sample : PB164097ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 16 01:52:29 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

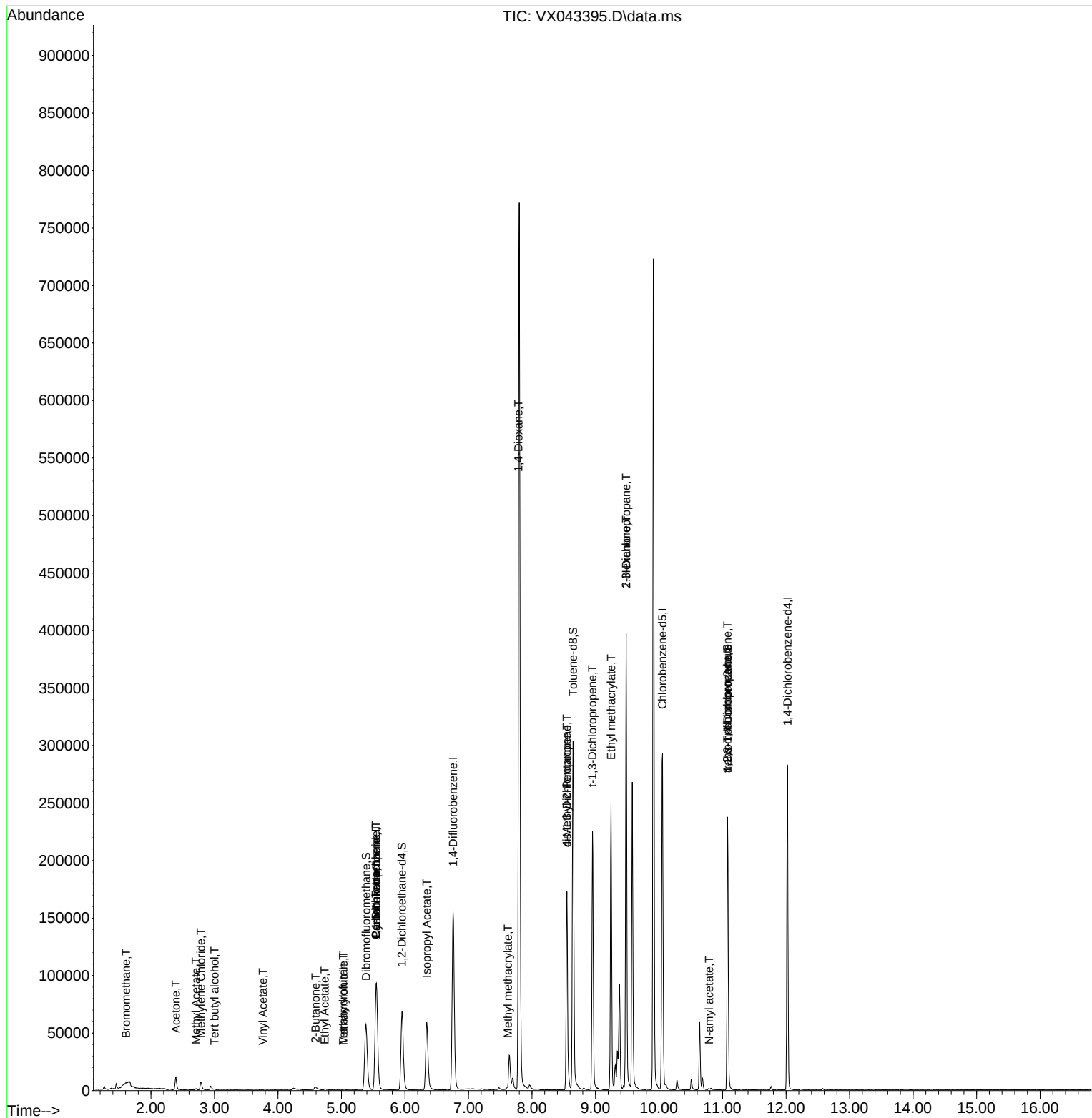
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	85767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155787	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	129742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70079	50.031	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.060%	
35) Dibromofluoromethane	5.385	113	50350	46.865	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 93.720%	
50) Toluene-d8	8.647	98	183773	49.359	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.720%	
62) 4-Bromofluorobenzene	11.079	95	65434	48.376	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.760%	
Target Compounds						Qvalue
5) Bromomethane	1.605	94	120	0.285	ug/l #	73
11) Tert butyl alcohol	3.001	59	902	3.384	ug/l #	71
16) Acetone	2.392	43	12915	22.079	ug/l	100
18) Methyl Acetate	2.709	43	1606	1.094	ug/l #	88
20) Methylene Chloride	2.788	84	3739	3.467	ug/l	94
23) Vinyl Acetate	3.763	43	45	6.352	ug/l #	71
25) 2-Butanone	4.592	43	5570	6.945	ug/l	100
29) Tetrahydrofuran	5.025	42	154	0.301	ug/l #	65
31) Cyclohexane	5.550	56	2068	1.368	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	7261	5.350	ug/l #	51
37) Ethyl Acetate	4.733	43	1841	1.130	ug/l #	81
38) Carbon Tetrachloride	5.544	117	9335	5.810	ug/l #	14
41) Methacrylonitrile	5.031	41	197	0.232	ug/l #	23
43) Isopropyl Acetate	6.342	43	83186	30.899	ug/l	100
48) Methyl methacrylate	7.622	41	3109	2.354	ug/l #	13
49) 1,4-Dioxane	7.787	88	41	1.597	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	64712	39.577	ug/l #	47
53) t-1,3-Dichloropropene	8.951	75	472	0.299	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	27210	16.047	ug/l #	60
56) Ethyl methacrylate	9.244	69	586	0.350	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3298	1.889	ug/l #	43
59) 2-Hexanone	9.482	43	46981	37.996	ug/l #	53
74) N-amyl acetate	10.786	43	600	0.278	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	36068	27.791	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	36068	72.024	ug/l #	8

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

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 16 01:52:29 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



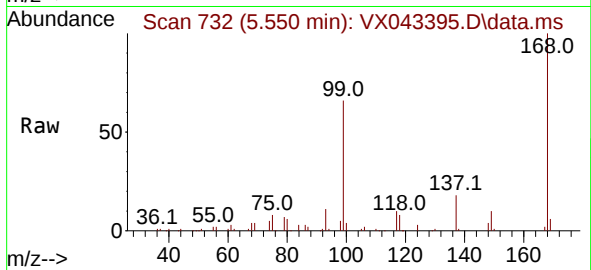


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14

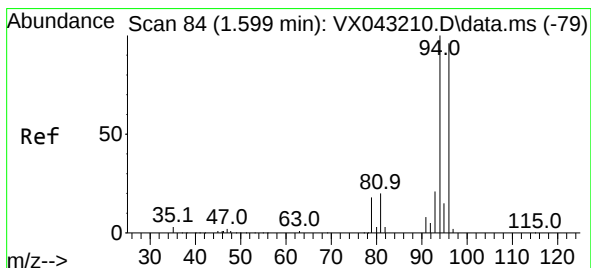
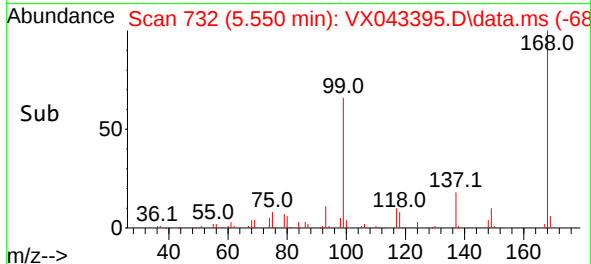
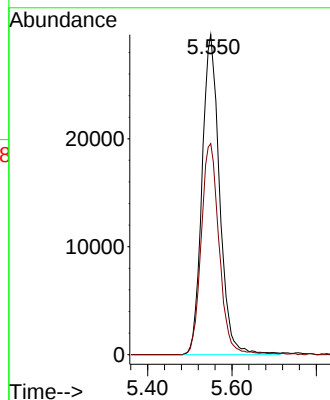
Instrument :

MSVOA_X

ClientSampleId :

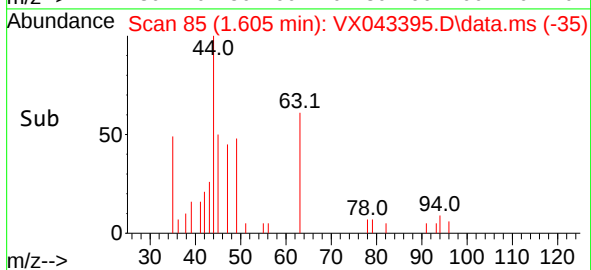
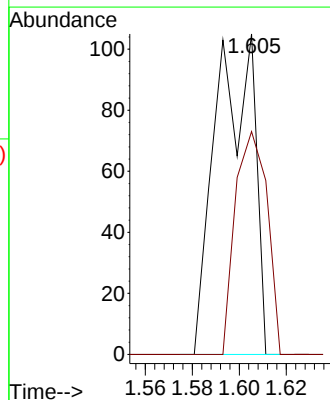
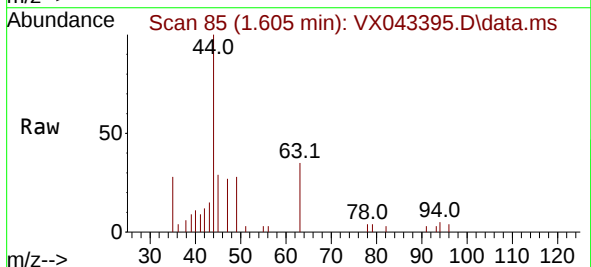


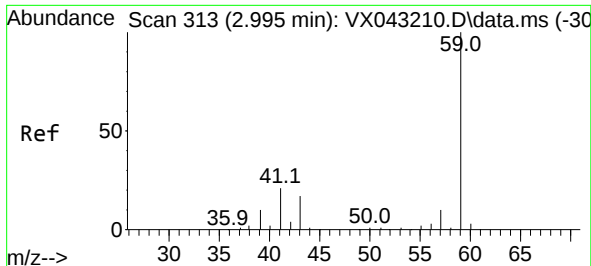
Tgt Ion:168 Resp: 85767
Ion Ratio Lower Upper
168 100
99 65.9 49.7 74.5



#5
Bromomethane
Concen: 0.285 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14 am

Tgt Ion: 94 Resp: 120
Ion Ratio Lower Upper
94 100
96 69.5 76.6 115.0#

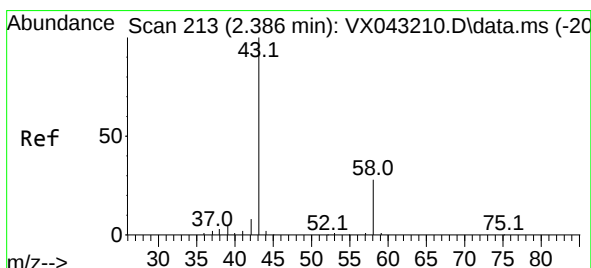
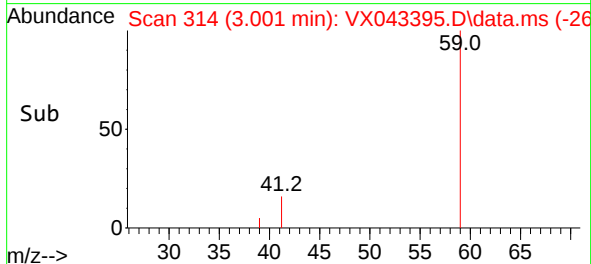
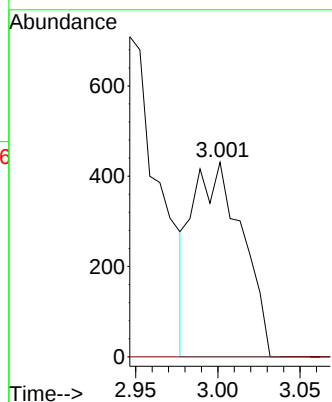
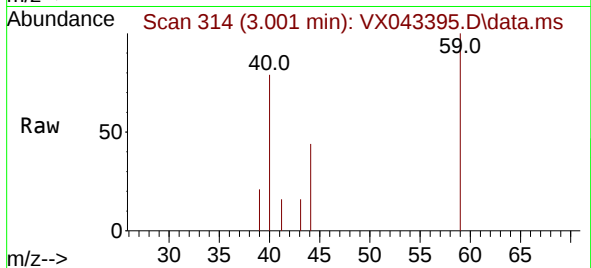




#11
Tert butyl alcohol
Concen: 3.384 ug/l
RT: 3.001 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14

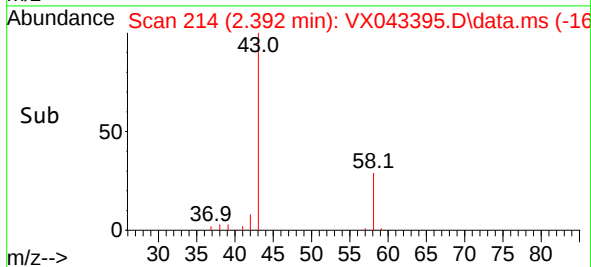
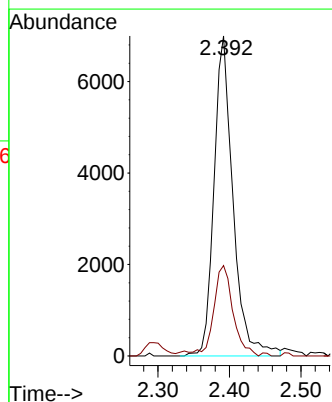
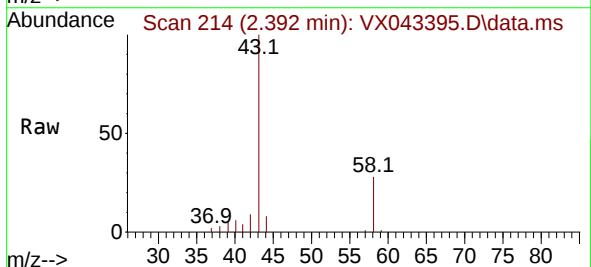
Instrument :
MSVOA_X
ClientSampleId :

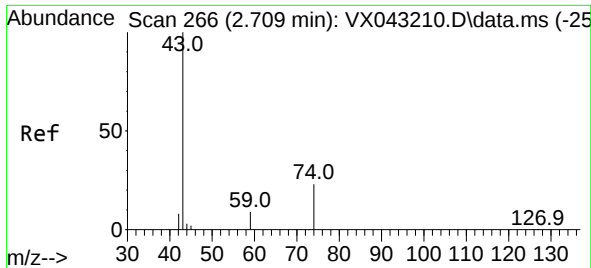
Tgt Ion: 59 Resp: 902
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#16
Acetone
Concen: 22.079 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14 am

Tgt Ion: 43 Resp: 12915
Ion Ratio Lower Upper
43 100
58 28.3 22.6 33.8

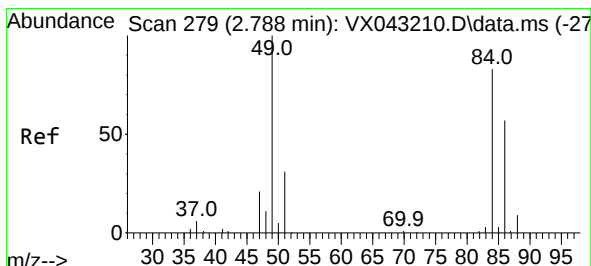
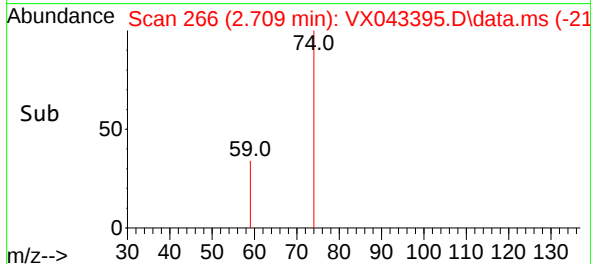
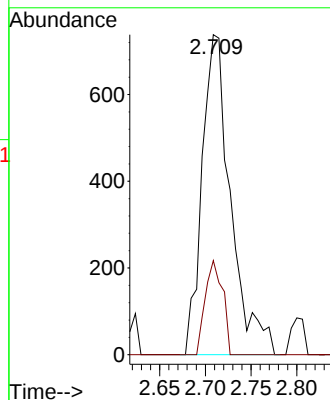
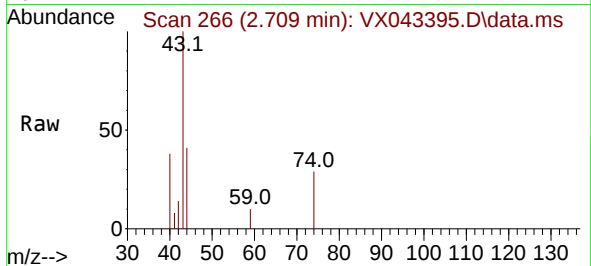




#18
Methyl Acetate
Concen: 1.094 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14

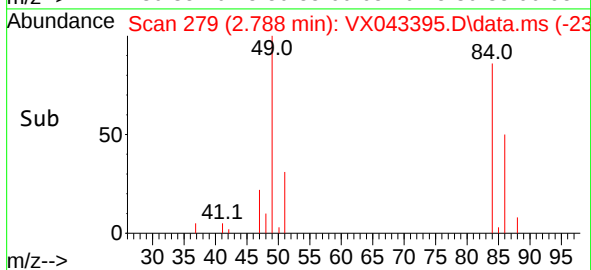
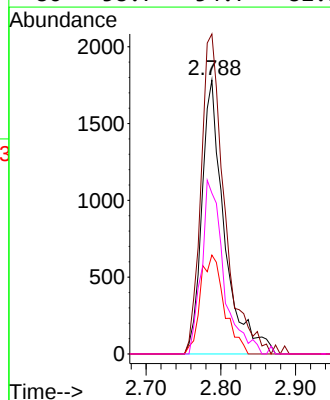
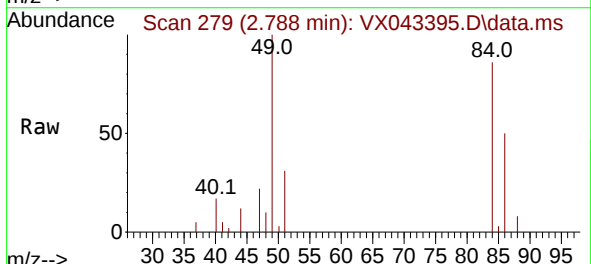
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 1606
Ion Ratio Lower Upper
43 100
74 17.8 19.1 28.7#



#20
Methylene Chloride
Concen: 3.467 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14 am

Tgt Ion: 84 Resp: 3739
Ion Ratio Lower Upper
84 100
49 116.8 96.7 145.1
51 36.1 30.4 45.6
86 58.7 54.7 82.1

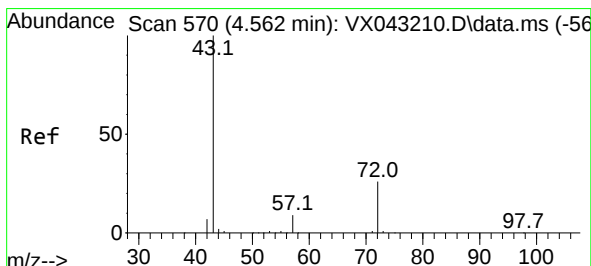
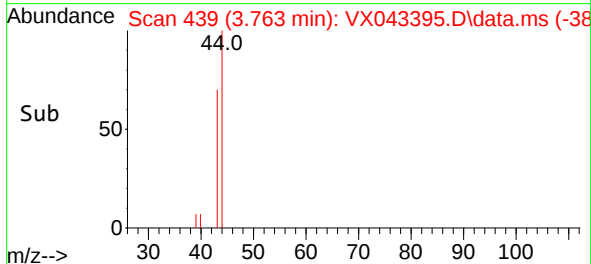
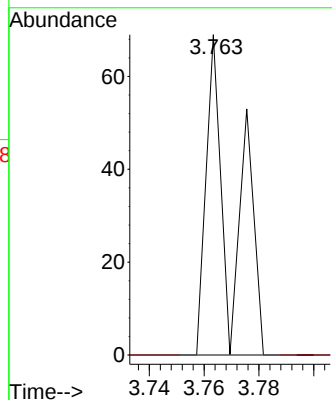
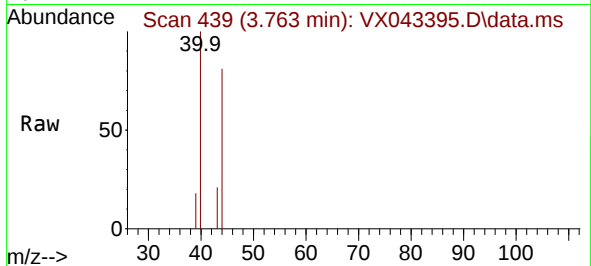




#23
 Vinyl Acetate
 Concen: 6.352 ug/l
 RT: 3.763 min Scan# 41
 Delta R.T. 0.042 min
 Lab File: VX043395.D
 Acq: 15 Oct 2024 11:14

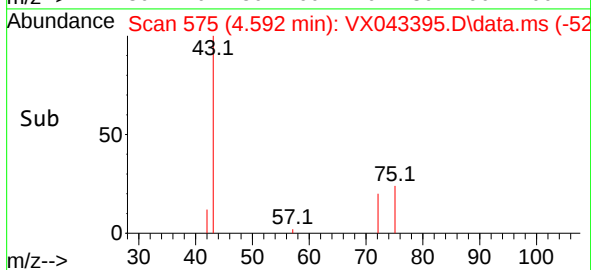
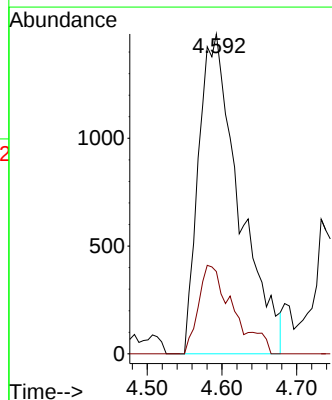
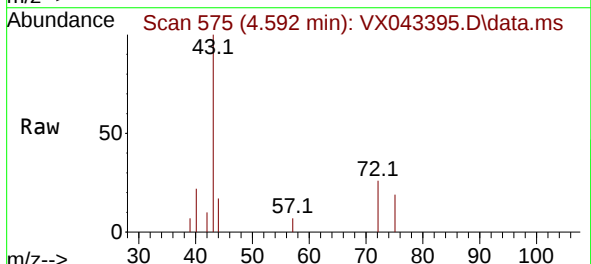
Instrument :
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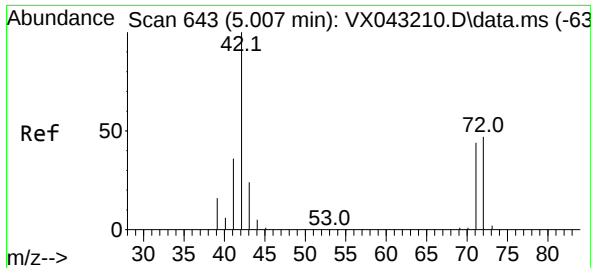
Tgt Ion: 43 Resp: 45
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 6.945 ug/l
 RT: 4.592 min Scan# 575
 Delta R.T. 0.030 min
 Lab File: VX043395.D
 Acq: 15 Oct 2024 11:14 am

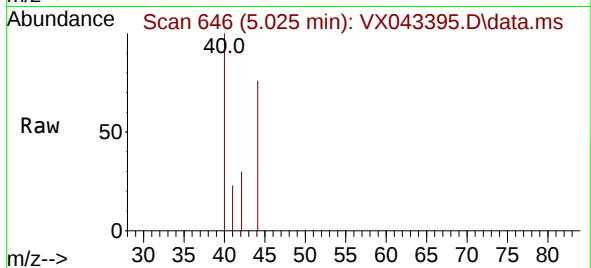
Tgt Ion: 43 Resp: 5570
 Ion Ratio Lower Upper
 43 100
 72 25.7 20.6 31.0



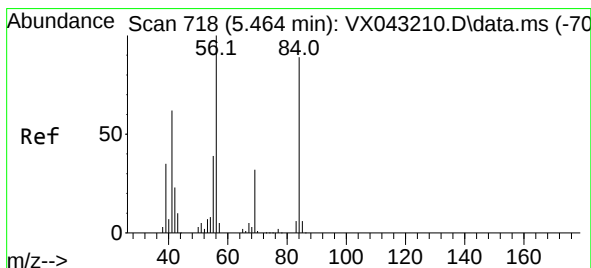
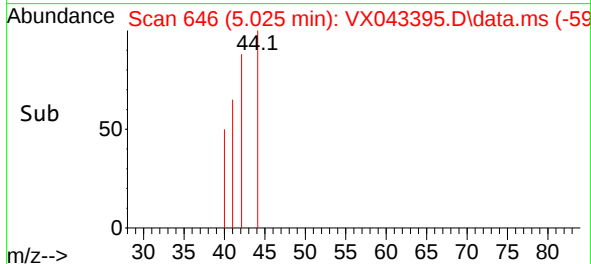
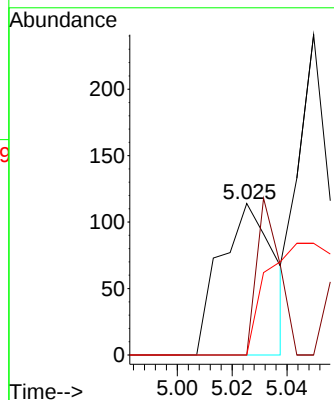


#29
Tetrahydrofuran
Concen: 0.301 ug/l
RT: 5.025 min Scan# 643
Delta R.T. 0.018 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14 am

Instrument :
MSVOA_X
ClientSampleId :

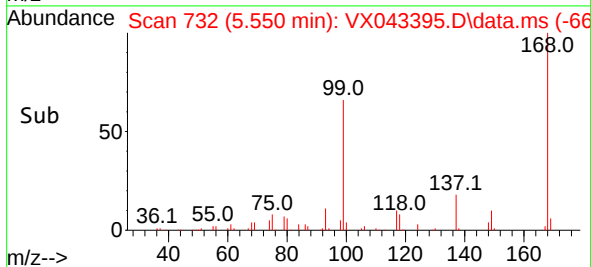
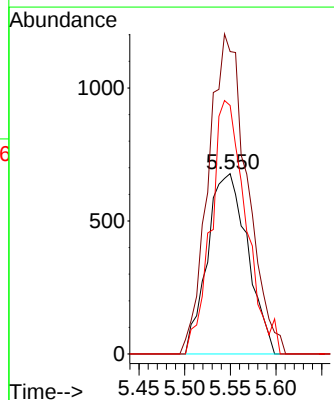
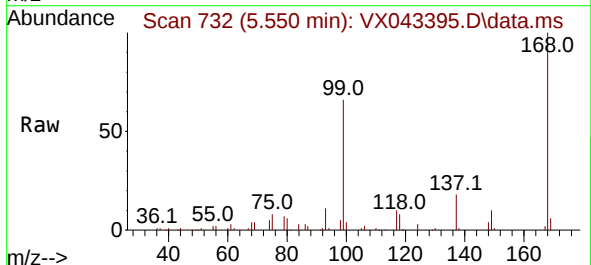


Tgt Ion: 42 Resp: 154
Ion Ratio Lower Upper
42 100
72 44.2 37.7 56.5
71 0.0 34.6 52.0#



#31
Cyclohexane
Concen: 1.368 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14 am

Tgt Ion: 56 Resp: 2068
Ion Ratio Lower Upper
56 100
69 167.7 25.8 38.6#
84 137.8 71.1 106.7#

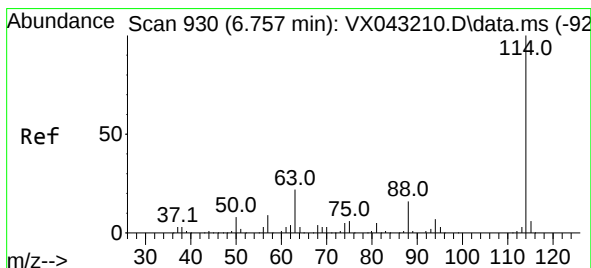
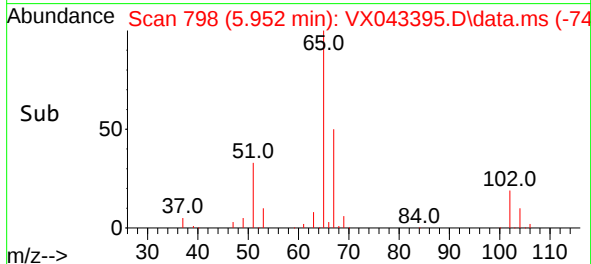
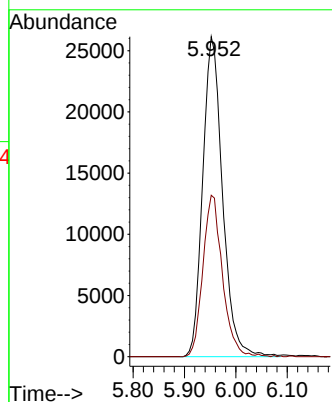
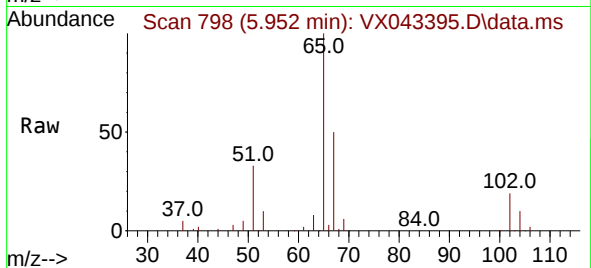




#33
1,2-Dichloroethane-d4
Concen: 50.031 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14

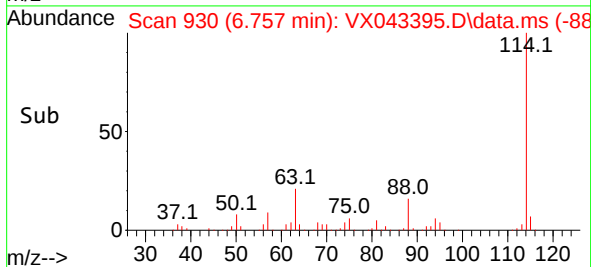
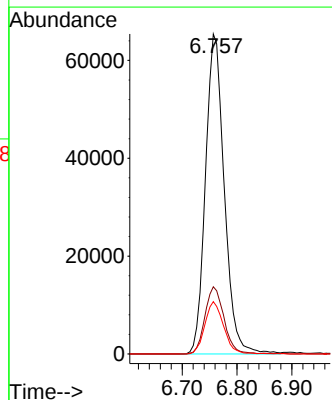
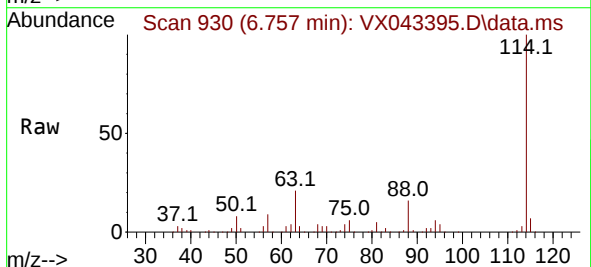
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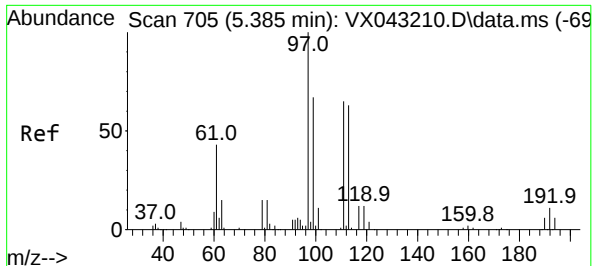
Tgt Ion: 65 Resp: 70079
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14 am

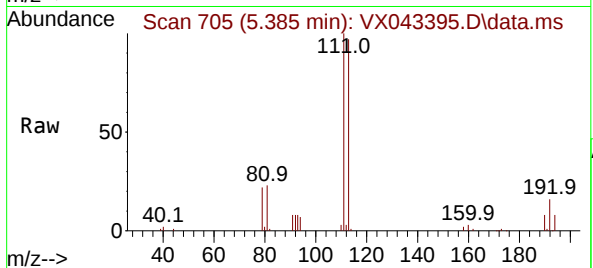
Tgt Ion: 114 Resp: 155787
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.0
88 16.3 0.0 33.0



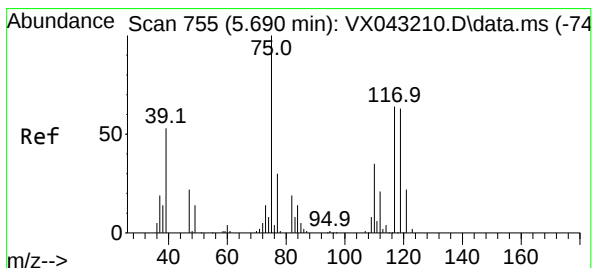
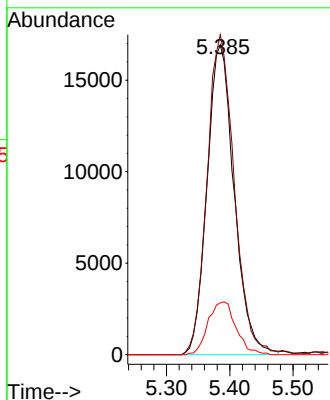
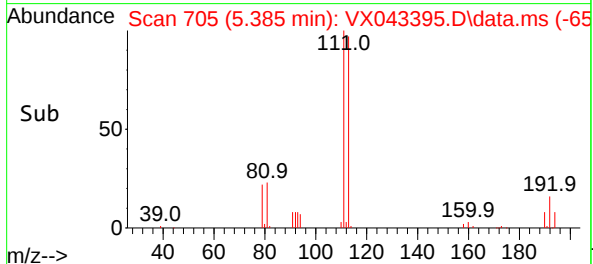


#35
Dibromofluoromethane
Concen: 46.865 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14

Instrument :
MSVOA_X
ClientSampleId :

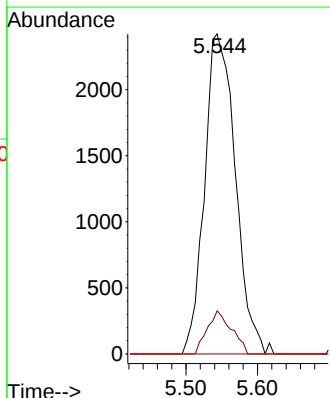
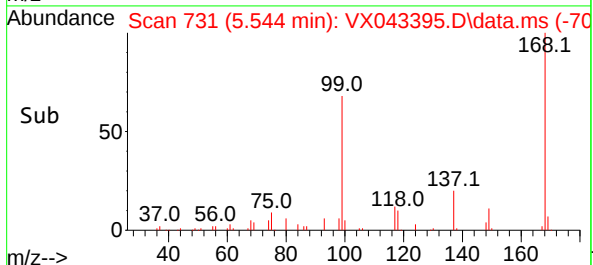
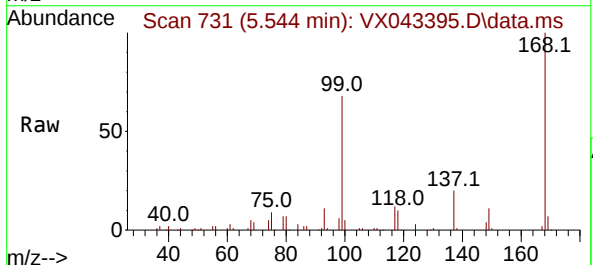


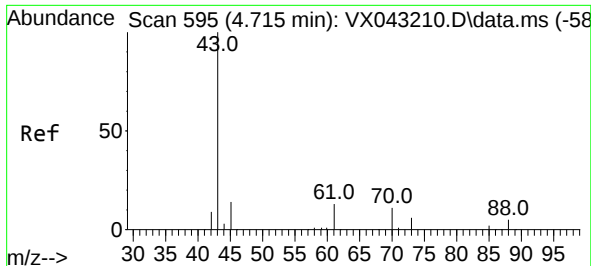
Tgt Ion:113 Resp: 50350
Ion Ratio Lower Upper
113 100
111 104.1 83.4 125.0
192 17.6 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.350 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14 am

Tgt Ion: 75 Resp: 7261
Ion Ratio Lower Upper
75 100
110 10.6 17.8 53.3#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.130 ug/l

RT: 4.733 min Scan# 595

Delta R.T. 0.018 min

Lab File: VX043395.D

Acq: 15 Oct 2024 11:14

Instrument :

MSVOA_X

ClientSampleId :

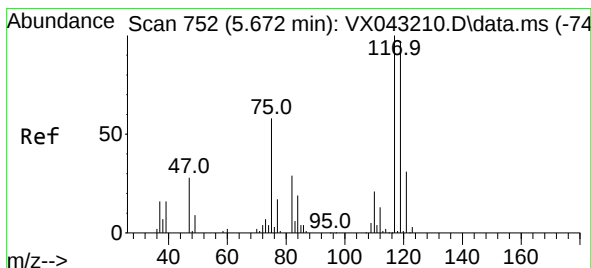
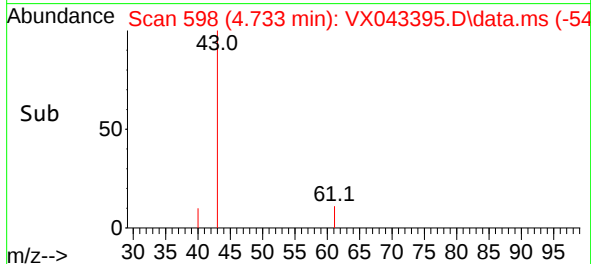
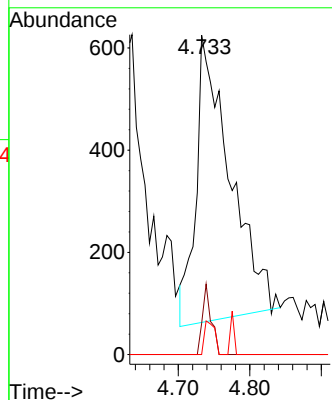
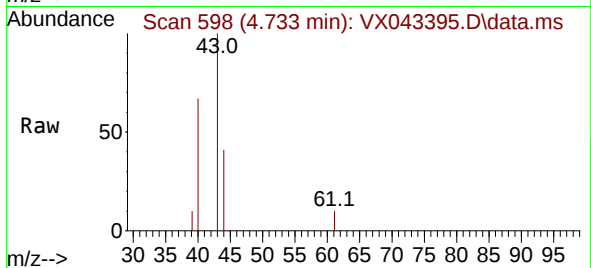
Tgt Ion: 43 Resp: 1841

Ion Ratio Lower Upper

43 100

61 6.3 11.0 16.4#

70 3.5 8.9 13.3#



#38

Carbon Tetrachloride

Concen: 5.810 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX043395.D

Acq: 15 Oct 2024 11:14 am

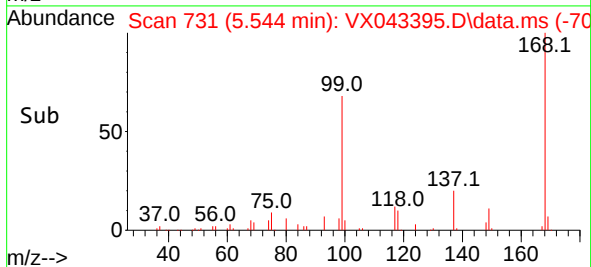
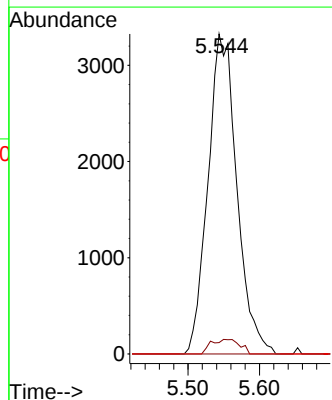
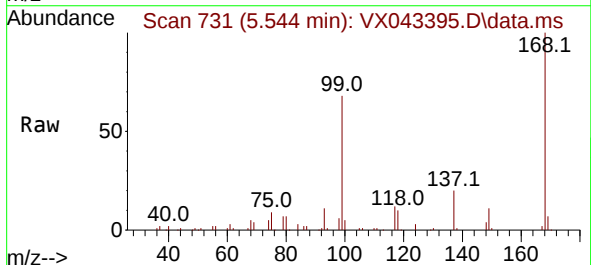
Tgt Ion: 117 Resp: 9335

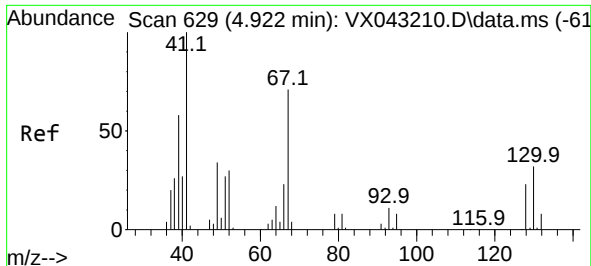
Ion Ratio Lower Upper

117 100

119 3.5 77.7 116.5#

121 0.0 24.3 36.5#



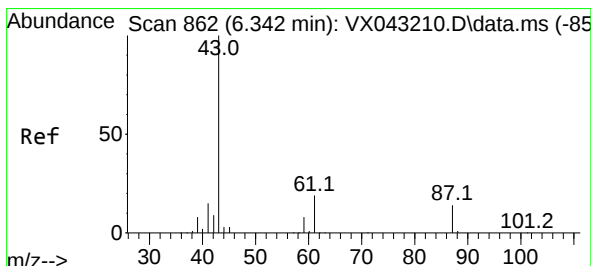
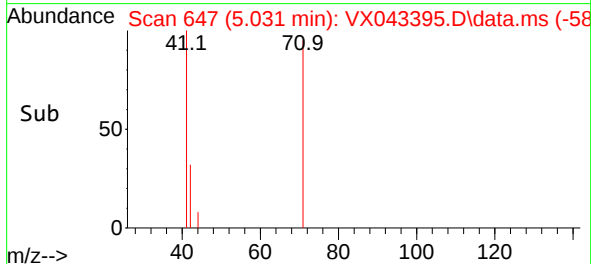
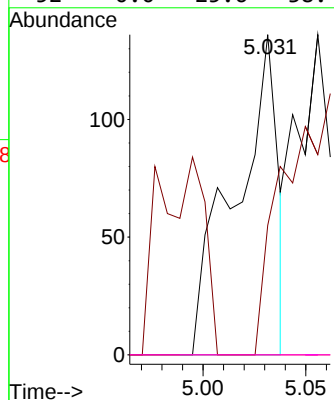
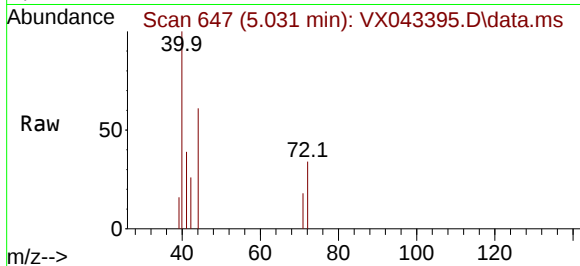


#41
Methacrylonitrile
Concen: 0.232 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 41 Resp: 197

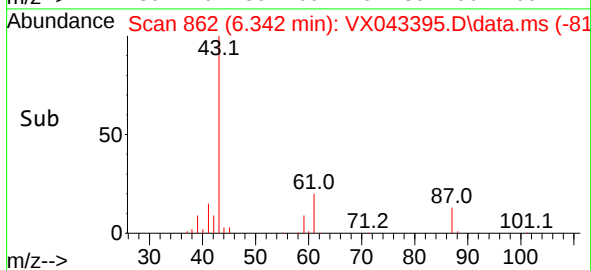
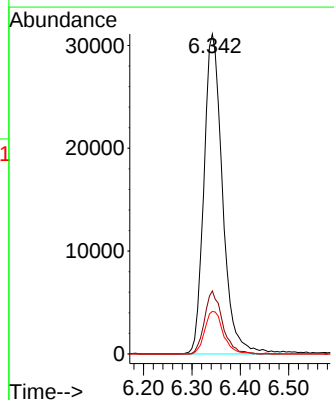
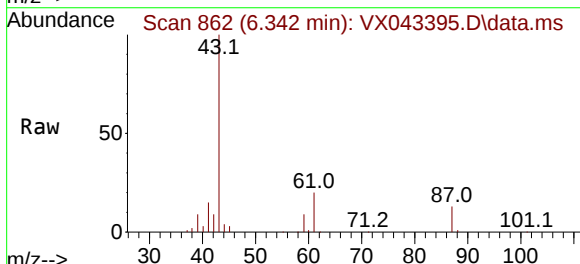
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.0	67.4#
67	0.0	56.0	84.0#
52	0.0	25.6	38.4#

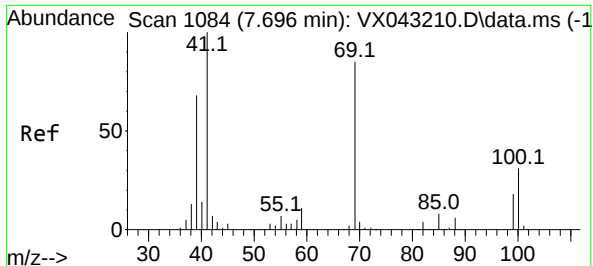


#43
Isopropyl Acetate
Concen: 30.899 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14 am

Tgt Ion: 43 Resp: 83186

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	13.2	10.8	16.2





#48

Methyl methacrylate

Concen: 2.354 ug/l

RT: 7.622 min Scan# 1072

Delta R.T. -0.073 min

Lab File: VX043395.D

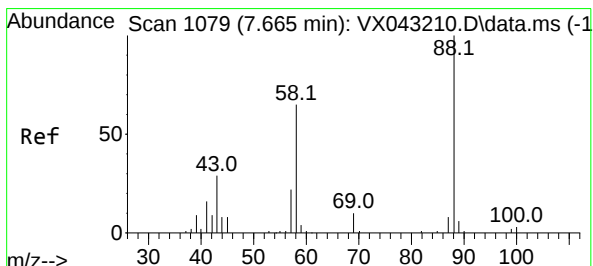
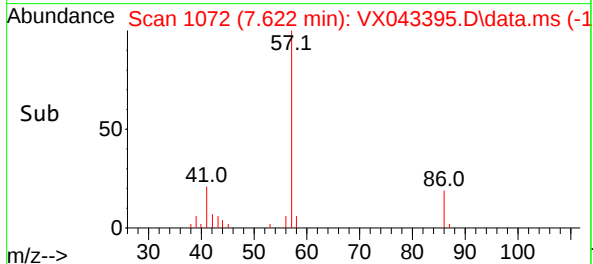
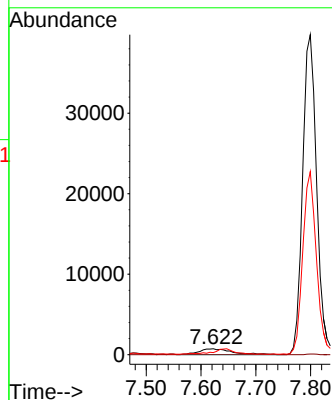
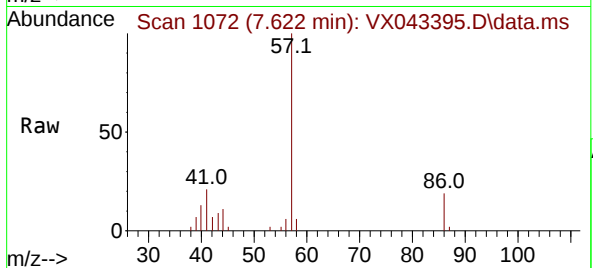
Acq: 15 Oct 2024 11:14

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 41	Resp: 3109
Ion Ratio	Lower Upper
41	100
69	0.0 64.1 96.1#
39	0.0 52.8 79.2#



#49

1,4-Dioxane

Concen: 1.597 ug/l

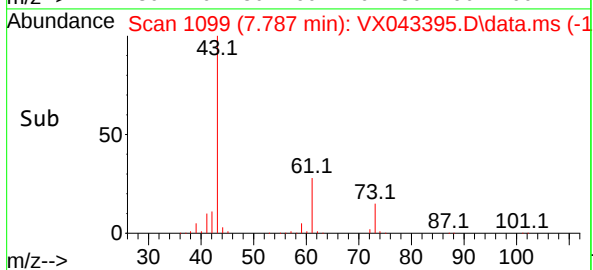
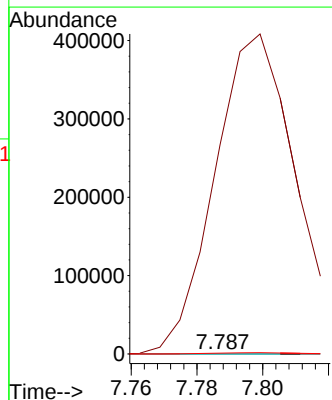
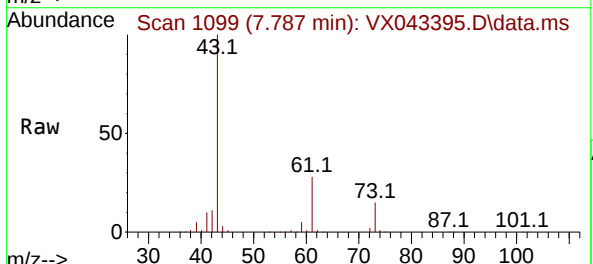
RT: 7.787 min Scan# 1099

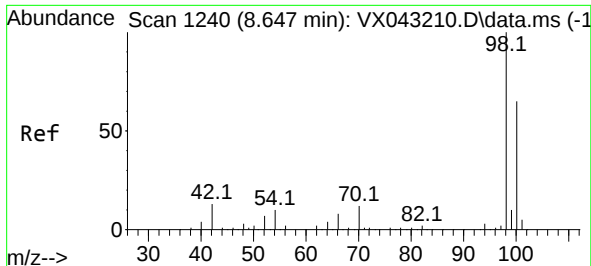
Delta R.T. 0.122 min

Lab File: VX043395.D

Acq: 15 Oct 2024 11:14 am

Tgt Ion: 88	Resp: 41
Ion Ratio	Lower Upper
88	100
43	1762204.9 29.5 44.3#
58	6997.6 55.2 82.8#

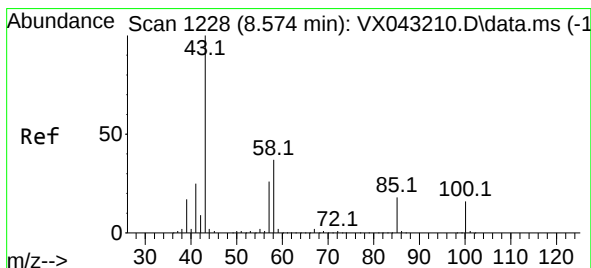
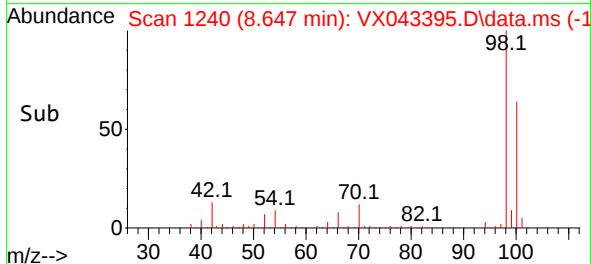
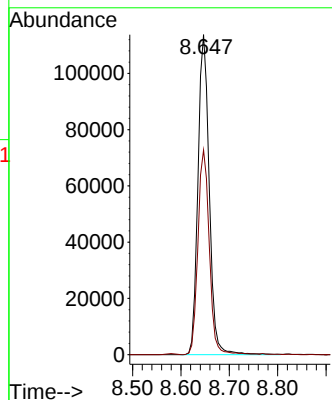
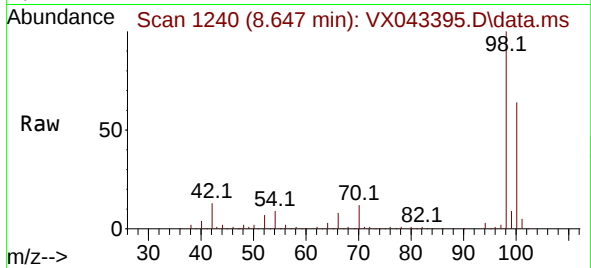




#50
Toluene-d8
Concen: 49.359 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14

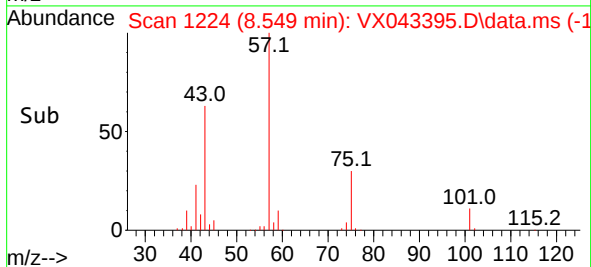
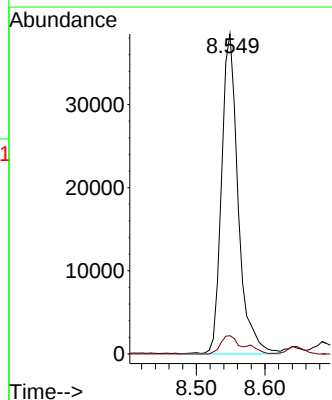
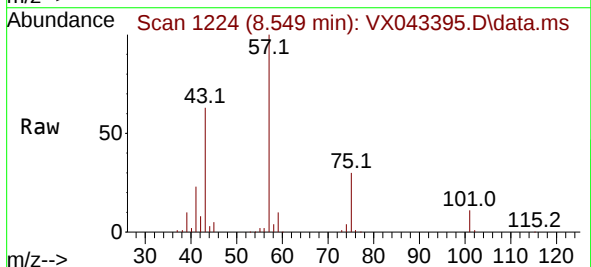
Instrument :
MSVOA_X
ClientSampleId :

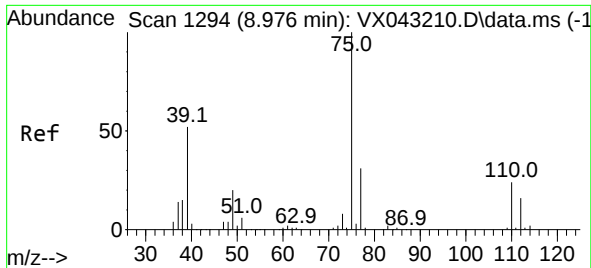
Tgt Ion: 98 Resp: 183773
Ion Ratio Lower Upper
98 100
100 64.5 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 39.577 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14 am

Tgt Ion: 43 Resp: 64712
Ion Ratio Lower Upper
43 100
58 5.8 30.0 45.0#

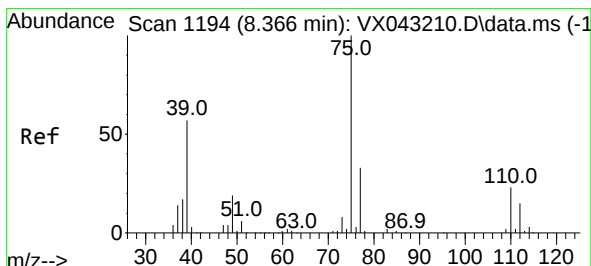
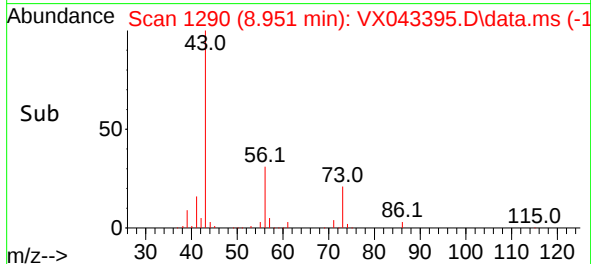
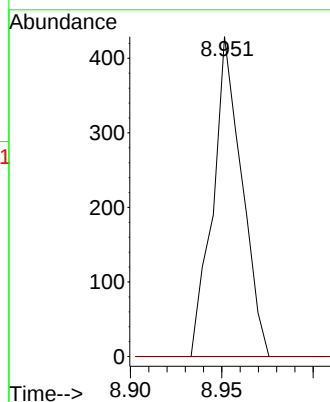
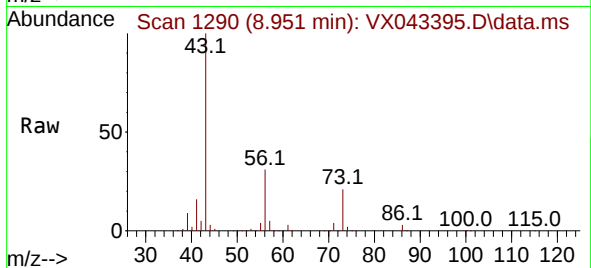




#53
t-1,3-Dichloropropene
Concen: 0.299 ug/l
RT: 8.951 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14

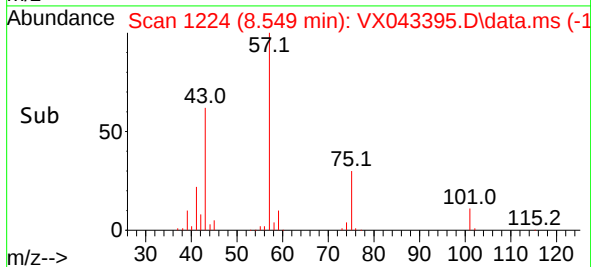
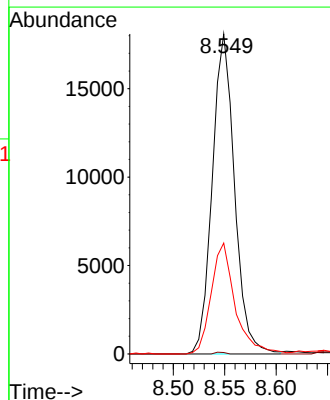
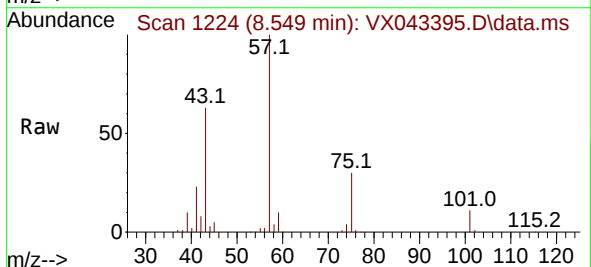
Instrument :
MSVOA_X
ClientSampleId :

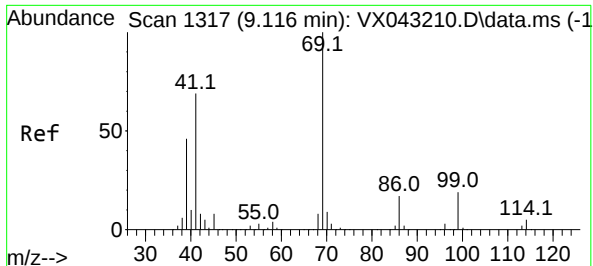
Tgt Ion: 75 Resp: 472
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 16.047 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14 am

Tgt Ion: 75 Resp: 27210
Ion Ratio Lower Upper
75 100
77 0.5 26.0 39.0#
39 34.6 45.8 68.8#





#56

Ethyl methacrylate

Concen: 0.350 ug/l

RT: 9.244 min Scan# 1

Delta R.T. 0.128 min

Lab File: VX043395.D

Acq: 15 Oct 2024 11:14

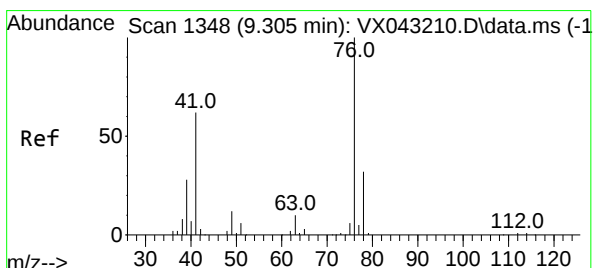
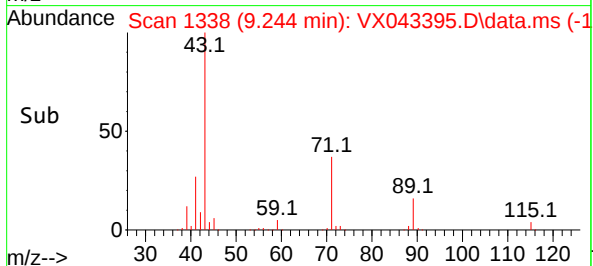
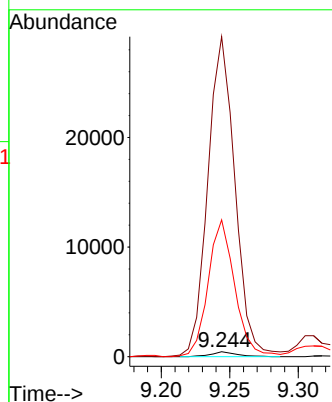
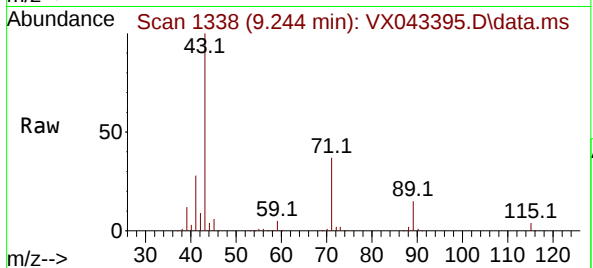
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 69 Resp: 586

Ion	Ratio	Lower	Upper
69	100		
41	6887.7	56.1	84.1#
39	2882.3	36.4	54.6#



#57

1,3-Dichloropropane

Concen: 1.889 ug/l

RT: 9.482 min Scan# 1377

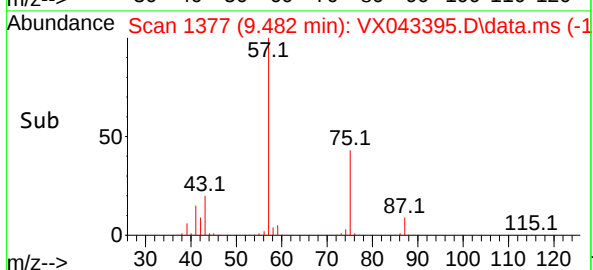
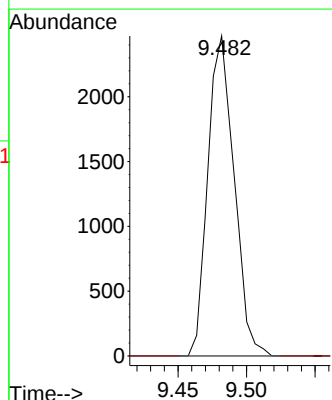
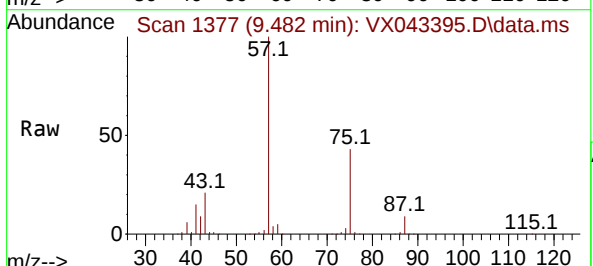
Delta R.T. 0.177 min

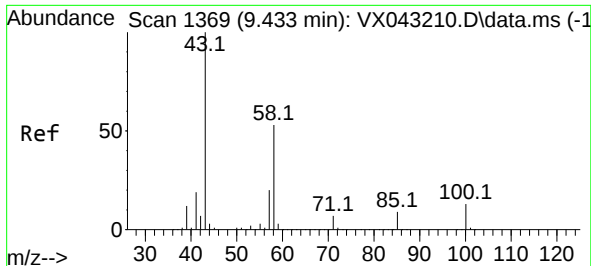
Lab File: VX043395.D

Acq: 15 Oct 2024 11:14 am

Tgt Ion: 76 Resp: 3298

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.7	38.5#

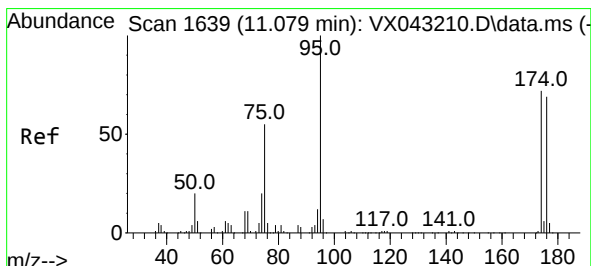
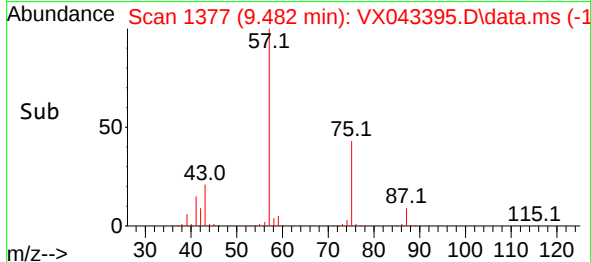
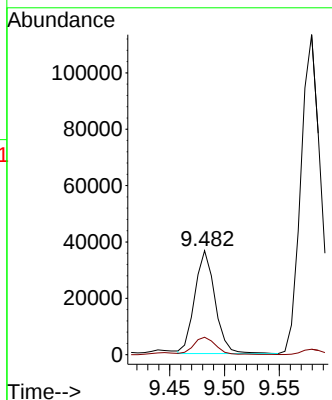
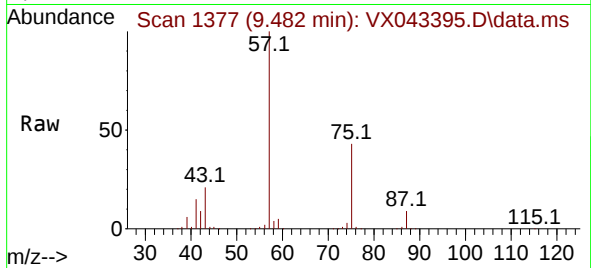




#59
2-Hexanone
Concen: 37.996 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14

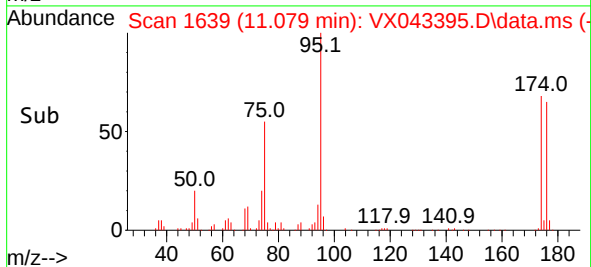
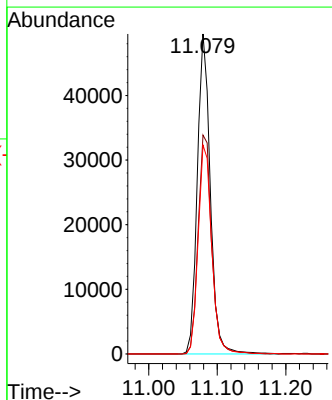
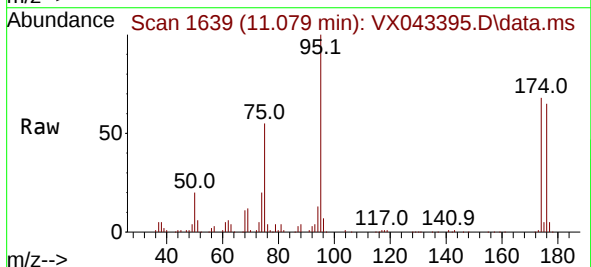
Instrument :
MSVOA_X
ClientSampleId :

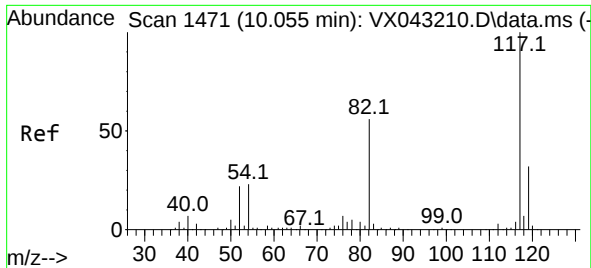
Tgt Ion: 43 Resp: 46981
Ion Ratio Lower Upper
43 100
58 19.2 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 48.376 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14 am

Tgt Ion: 95 Resp: 65434
Ion Ratio Lower Upper
95 100
174 71.8 0.0 145.0
176 68.2 0.0 143.0

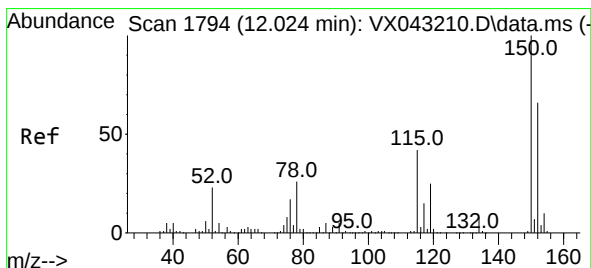
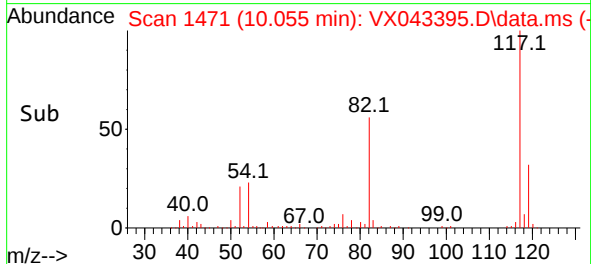
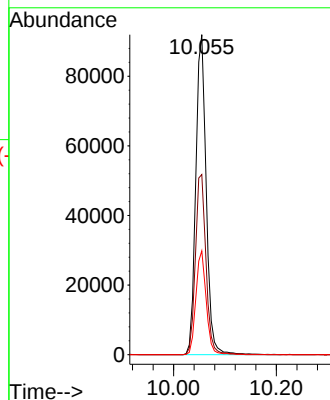
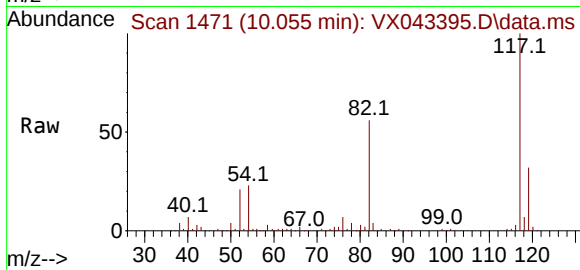




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14

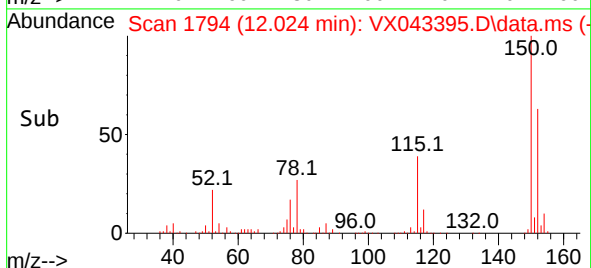
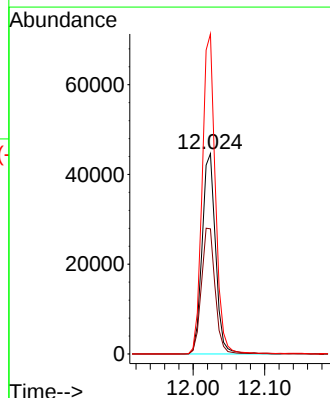
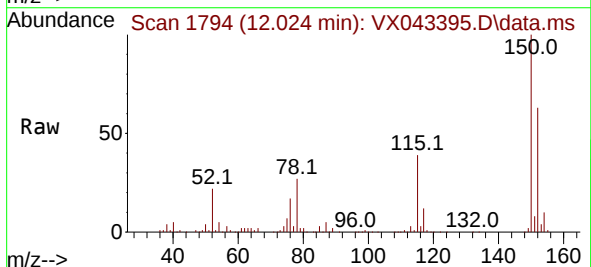
Instrument :
MSVOA_X
ClientSampleId :

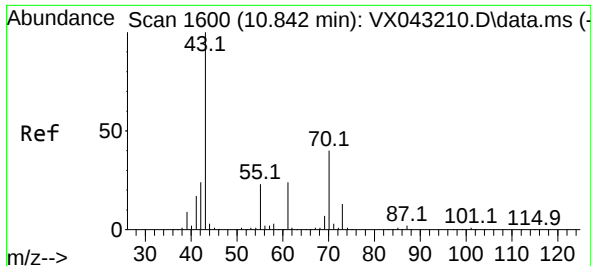
Tgt Ion:117 Resp: 129742
Ion Ratio Lower Upper
117 100
82 56.3 45.0 67.6
119 32.4 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14 am

Tgt Ion:152 Resp: 58511
Ion Ratio Lower Upper
152 100
115 63.8 44.1 132.3
150 155.9 0.0 347.4

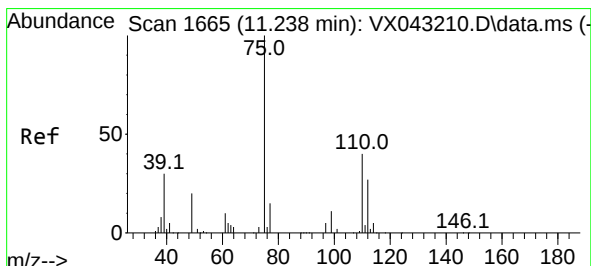
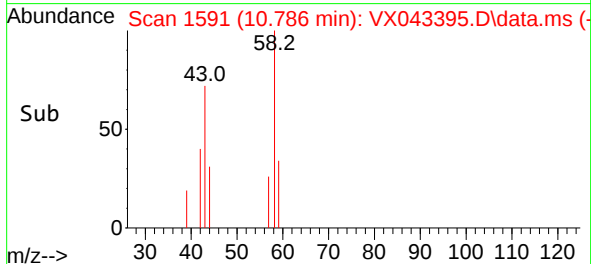
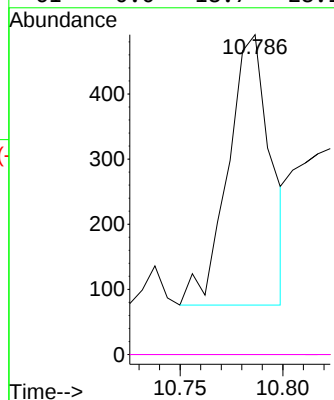
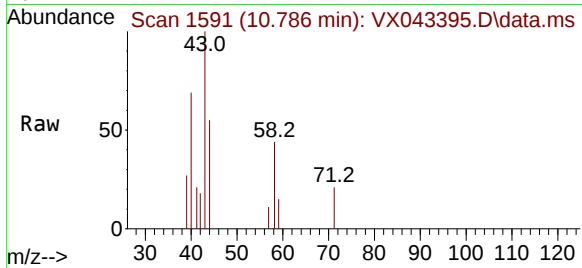




#74
N-amy1 acetate
Concen: 0.278 ug/l
RT: 10.786 min Scan# 1639
Delta R.T. -0.055 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14

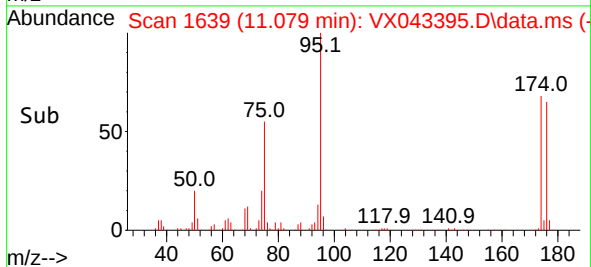
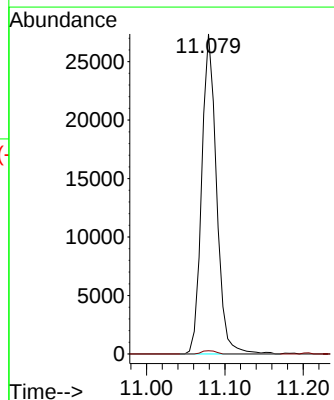
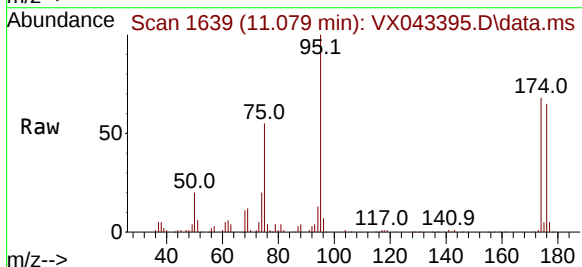
Instrument :
MSVOA_X
ClientSampleId :

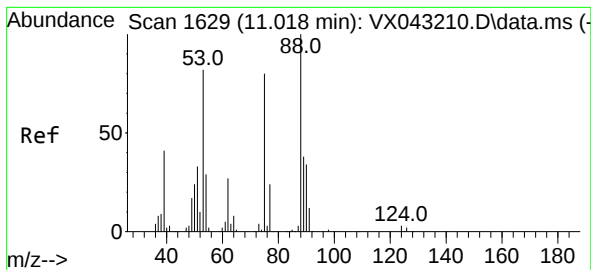
Tgt Ion: 43	Resp: 600
Ion Ratio	Lower Upper
43 100	
70 0.0	33.1 49.7#
55 0.0	18.6 27.8#
61 0.0	18.7 28.1#



#76
1,2,3-Trichloropropane
Concen: 27.791 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043395.D
Acq: 15 Oct 2024 11:14 am

Tgt Ion: 75	Resp: 36068
Ion Ratio	Lower Upper
75 100	
77 1.0	22.0 66.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.024 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043395.D
 Acq: 15 Oct 2024 11:14

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 36068
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.0 38.6 58.0#

