

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101524\
 Data File : VX043409.D
 Acq On : 15 Oct 2024 04:38 pm
 Operator : JC/MD
 Sample : P4395-01ME
 Misc : 5.17g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 16 02:01:32 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)

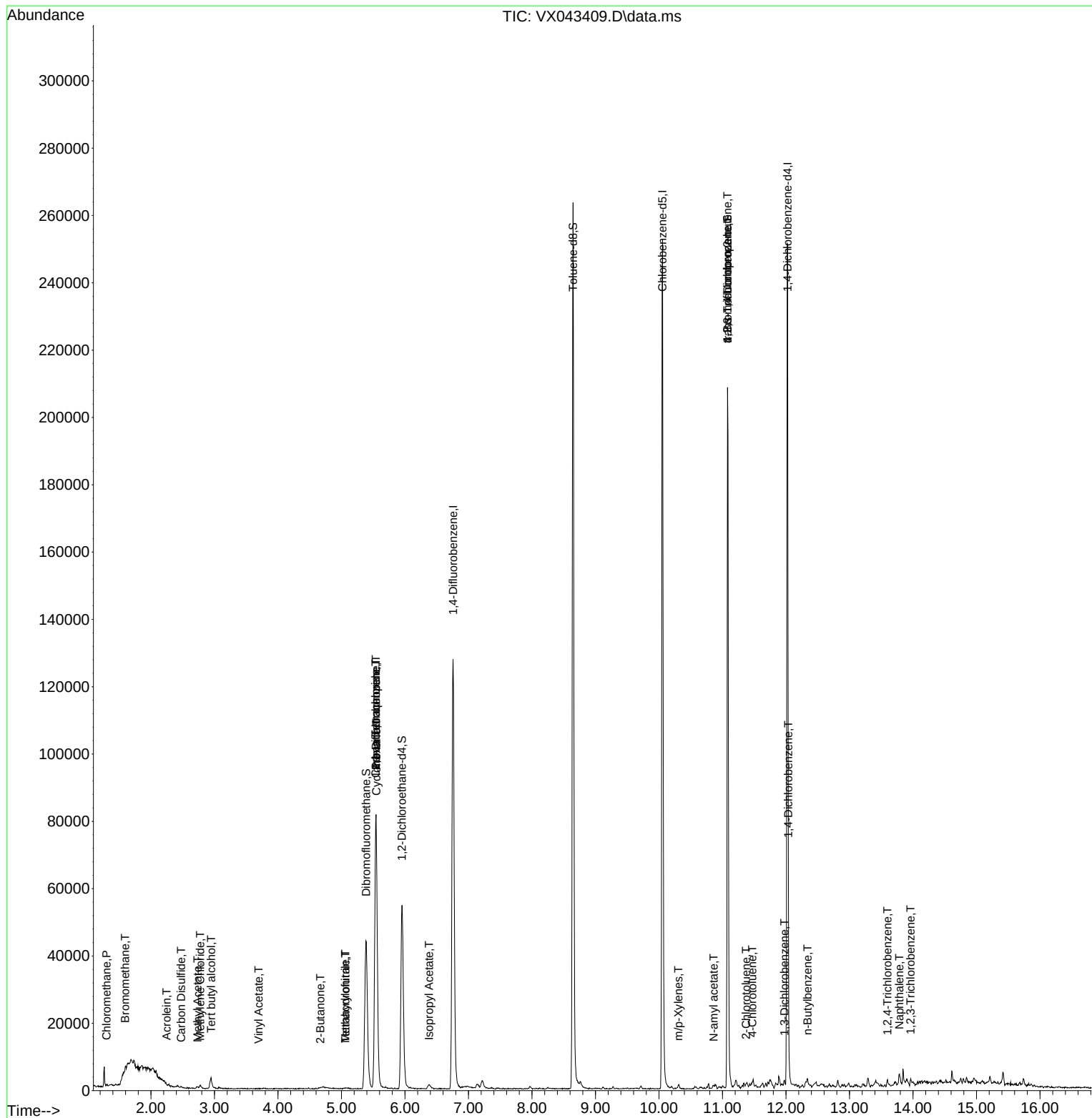
Internal Standards						
1) Pentafluorobenzene	5.544	168	73013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132481	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58782	49.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.600%		
35) Dibromofluoromethane	5.385	113	40227	44.029	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.060%		
50) Toluene-d8	8.647	98	160278	50.622	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.240%		
62) 4-Bromofluorobenzene	11.079	95	59028	51.317	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.640%		
Target Compounds						Qvalue
3) Chloromethane	1.301	50	197	0.225	ug/l #	42
5) Bromomethane	1.593	94	342	0.955	ug/l #	44
11) Tert butyl alcohol	2.947	59	2044	9.008	ug/l #	71
13) Acrolein	2.246	56	131	0.611	ug/l #	1
17) Carbon Disulfide	2.477	76	477	0.242	ug/l #	76
18) Methyl Acetate	2.733	43	1298	1.039	ug/l #	79
20) Methylene Chloride	2.776	84	473	0.515	ug/l	95
23) Vinyl Acetate	3.697	43	23	6.347	ug/l #	71
25) 2-Butanone	4.666	43	296	0.434	ug/l #	49
29) Tetrahydrofuran	5.062	42	158	0.363	ug/l #	31
31) Cyclohexane	5.550	56	2040	1.586	ug/l #	34
36) 1,1-Dichloropropene	5.544	75	6348	5.500	ug/l #	50
38) Carbon Tetrachloride	5.538	117	8413	6.157	ug/l #	13
41) Methacrylonitrile	5.062	41	174	0.241	ug/l #	23
43) Isopropyl Acetate	6.379	43	907	0.396	ug/l #	62
68) m/p-Xylenes	10.305	106	425	0.257	ug/l	80
74) N-amyl acetate	10.860	43	446	0.227	ug/l #	63
76) 1,2,3-Trichloropropane	11.079	75	32710	27.690	ug/l #	34
79) 2-Chlorotoluene	11.372	91	615	0.210	ug/l	72
81) trans-1,4-Dichloro-2-b...	11.079	75	32710	71.762	ug/l #	8
82) 4-Chlorotoluene	11.470	91	691	0.208	ug/l	84
87) 1,3-Dichlorobenzene	11.976	146	424	0.239	ug/l #	71
88) 1,4-Dichlorobenzene	12.037	146	608	0.332	ug/l #	48
89) n-Butylbenzene	12.341	91	801	0.275	ug/l	99
93) 1,2,4-Trichlorobenzene	13.597	180	542	0.518	ug/l	92
95) Naphthalene	13.786	128	2726	0.709	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	530	0.491	ug/l	92

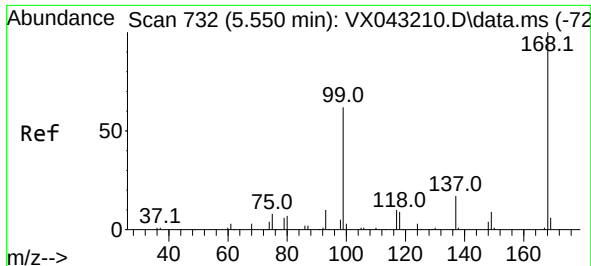
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration

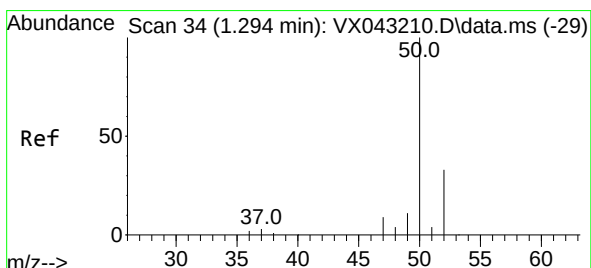
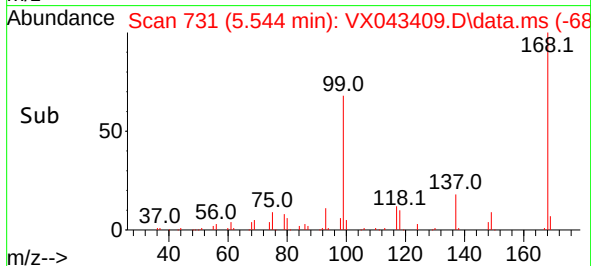
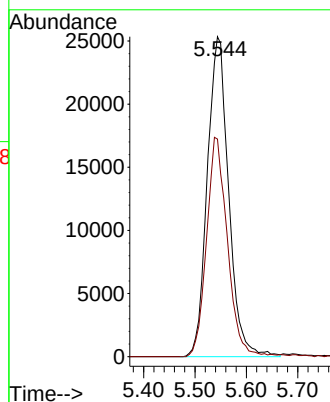
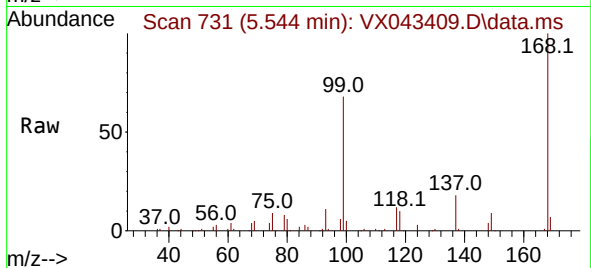




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043409.D
Acq: 15 Oct 2024 04:38

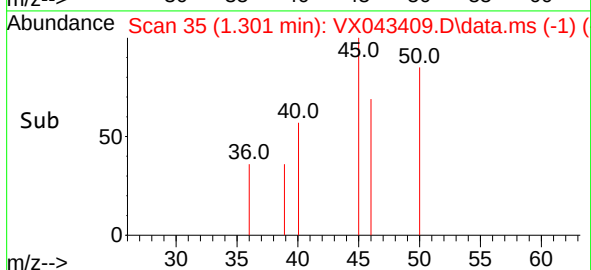
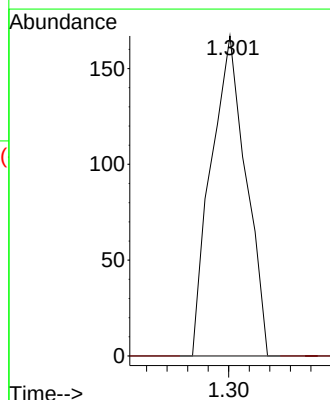
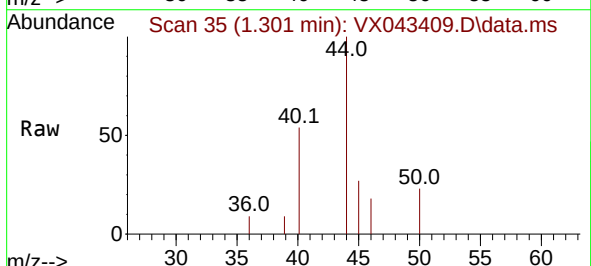
Instrument :
MSVOA_X
ClientSampleId :

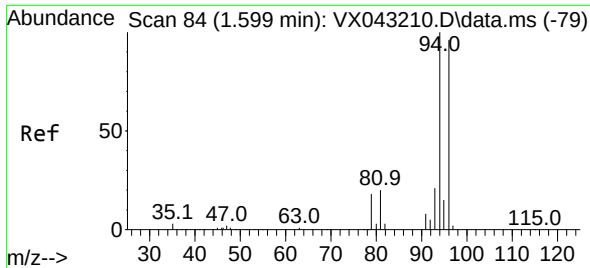
Tgt Ion:168 Resp: 73013
Ion Ratio Lower Upper
168 100
99 68.0 49.7 74.5



#3
Chloromethane
Concen: 0.225 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX043409.D
Acq: 15 Oct 2024 04:38 pm

Tgt Ion: 50 Resp: 197
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

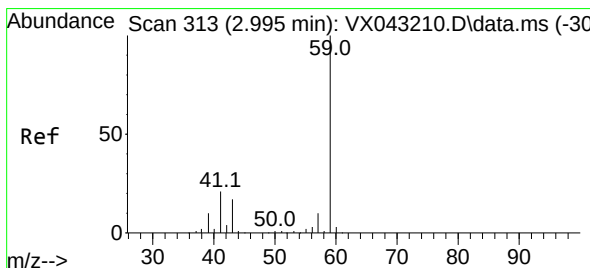
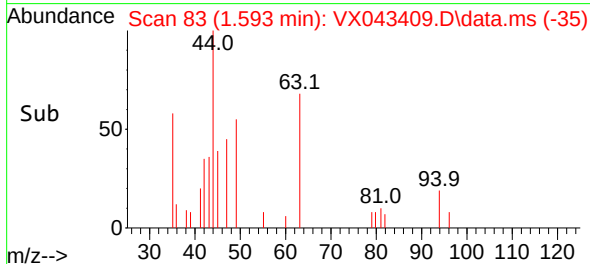
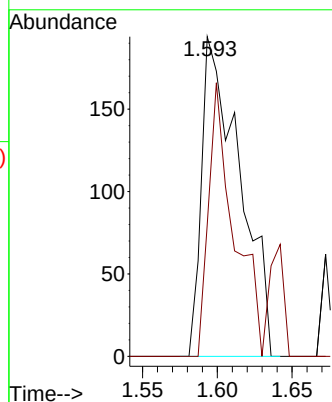
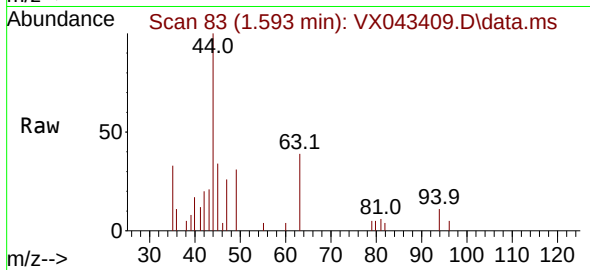




#5
 Bromomethane
 Concen: 0.955 ug/l
 RT: 1.593 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: VX043409.D
 Acq: 15 Oct 2024 04:38

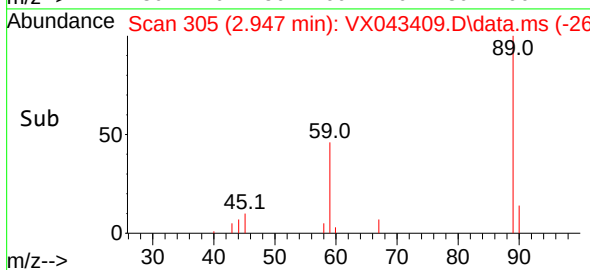
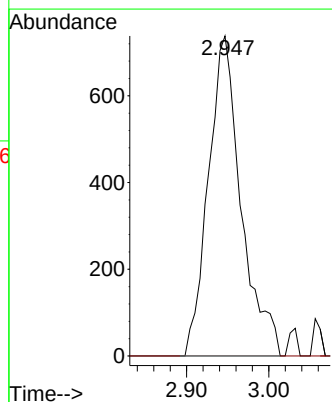
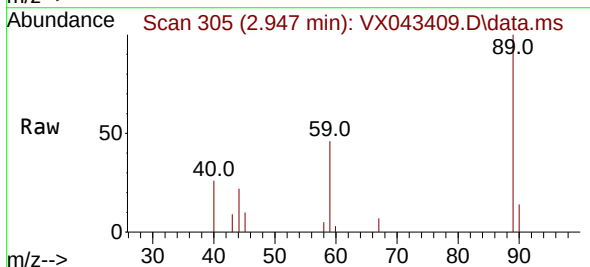
Instrument :
 MSVOA_X
 ClientSampleId :

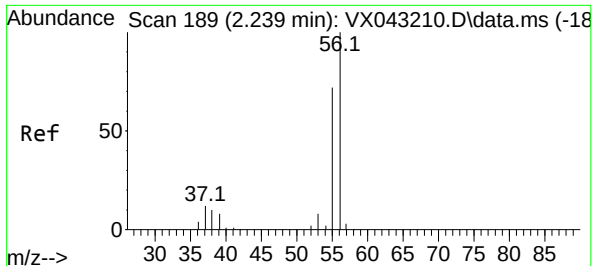
Tgt Ion: 94 Resp: 342
 Ion Ratio Lower Upper
 94 100
 96 41.2 76.6 115.0#



#11
 Tert butyl alcohol
 Concen: 9.008 ug/l
 RT: 2.947 min Scan# 305
 Delta R.T. -0.049 min
 Lab File: VX043409.D
 Acq: 15 Oct 2024 04:38 pm

Tgt Ion: 59 Resp: 2044
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#





#13

Acrolein

Concen: 0.611 ug/l

RT: 2.246 min Scan# 19

Delta R.T. 0.006 min

Lab File: VX043409.D

Acq: 15 Oct 2024 04:38

Instrument :

MSVOA_X

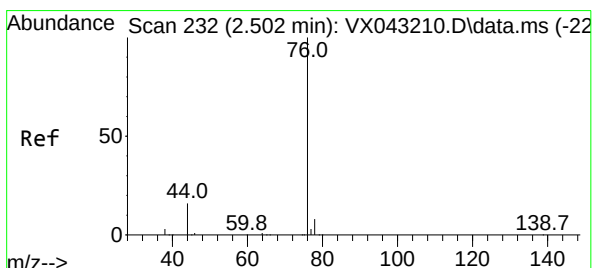
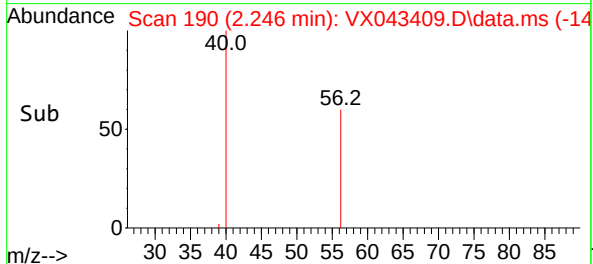
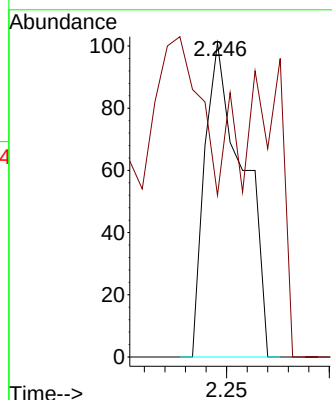
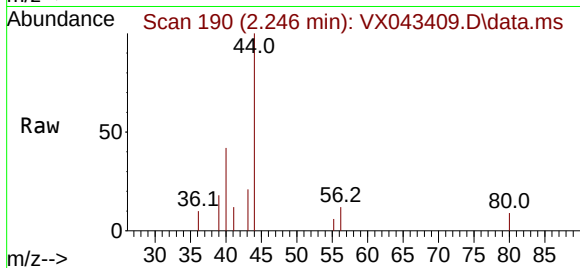
ClientSampleId :

Tgt Ion: 56 Resp: 131

Ion Ratio Lower Upper

56 100

55 174.0 57.4 86.0#



#17

Carbon Disulfide

Concen: 0.242 ug/l

RT: 2.477 min Scan# 228

Delta R.T. -0.024 min

Lab File: VX043409.D

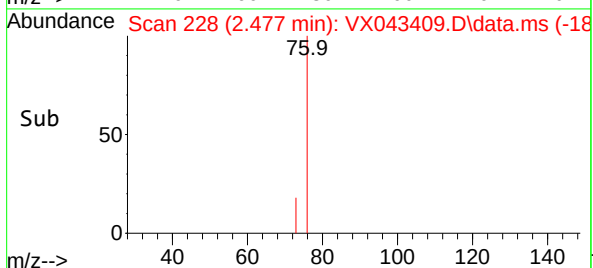
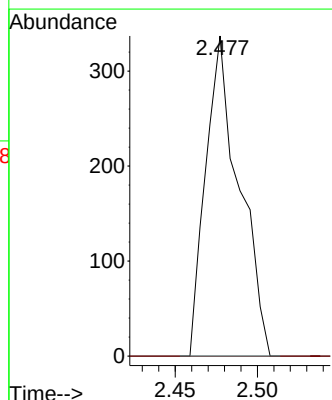
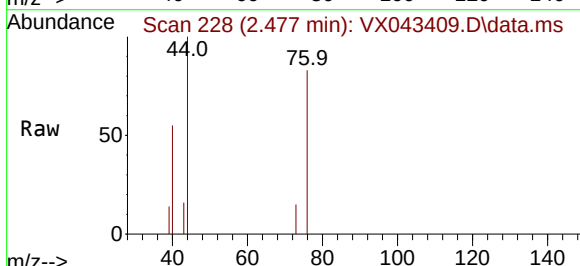
Acq: 15 Oct 2024 04:38 pm

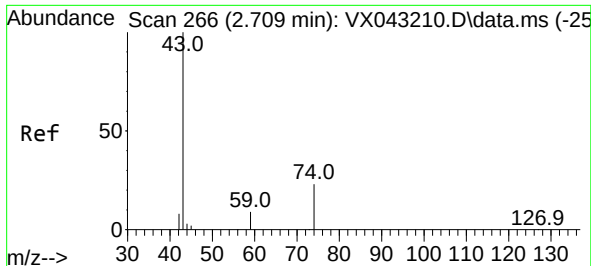
Tgt Ion: 76 Resp: 477

Ion Ratio Lower Upper

76 100

78 0.0 6.7 10.1#

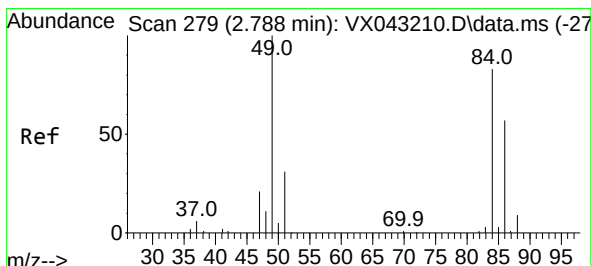
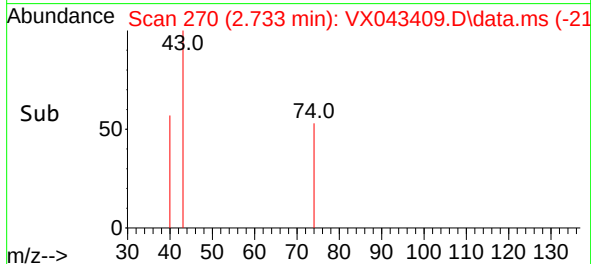
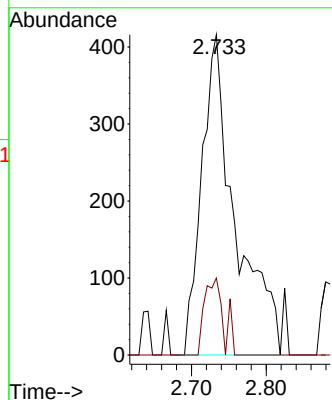
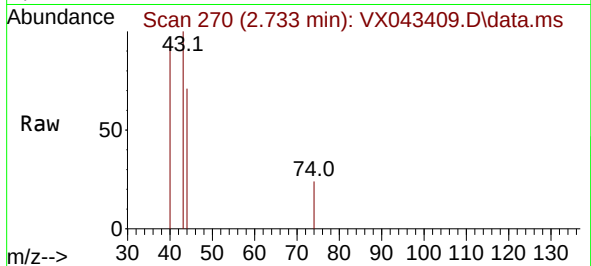




#18
Methyl Acetate
Concen: 1.039 ug/l
RT: 2.733 min Scan# 21
Delta R.T. 0.024 min
Lab File: VX043409.D
Acq: 15 Oct 2024 04:38

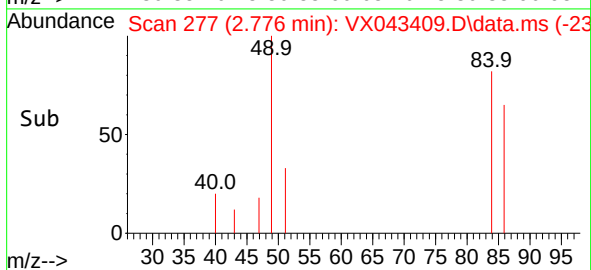
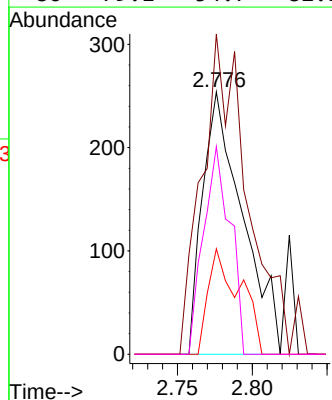
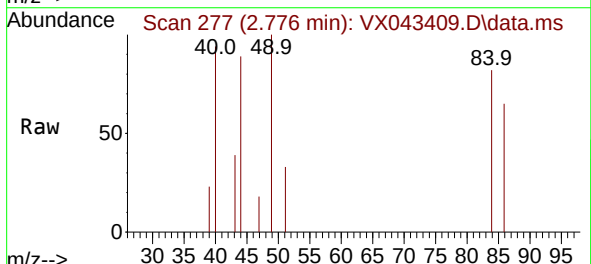
Instrument :
MSVOA_X
ClientSampleId :

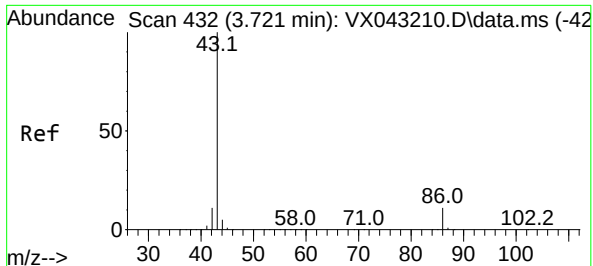
Tgt Ion: 43 Resp: 1298
Ion Ratio Lower Upper
43 100
74 13.4 19.1 28.7#



#20
Methylene Chloride
Concen: 0.515 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.012 min
Lab File: VX043409.D
Acq: 15 Oct 2024 04:38 pm

Tgt Ion: 84 Resp: 473
Ion Ratio Lower Upper
84 100
49 122.0 96.7 145.1
51 40.2 30.4 45.6
86 79.1 54.7 82.1

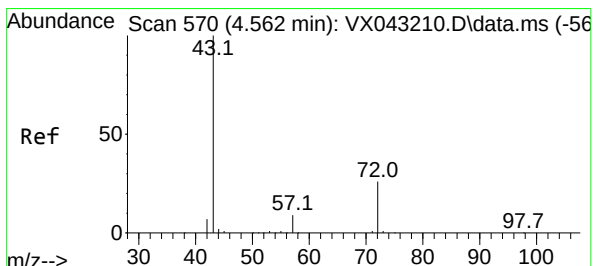
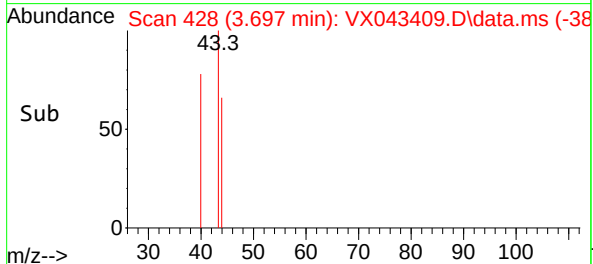
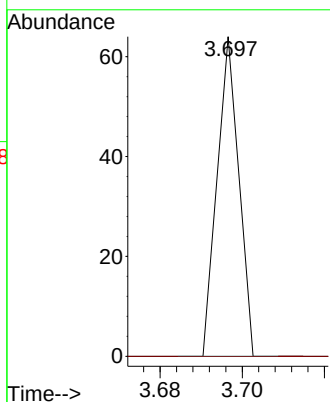
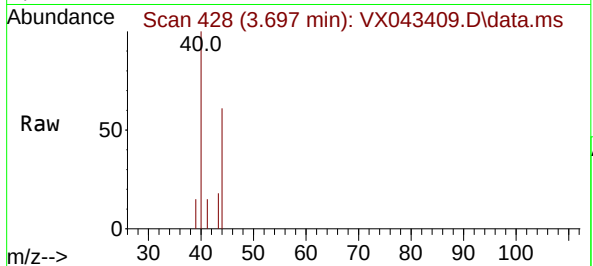




#23
 Vinyl Acetate
 Concen: 6.347 ug/l
 RT: 3.697 min Scan# 41
 Delta R.T. -0.024 min
 Lab File: VX043409.D
 Acq: 15 Oct 2024 04:38

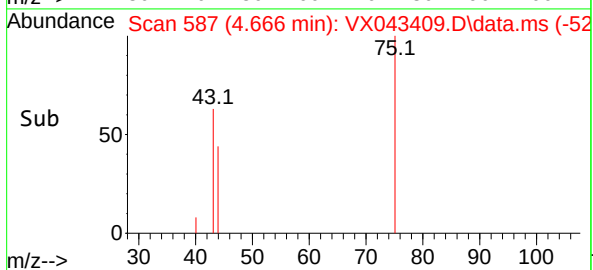
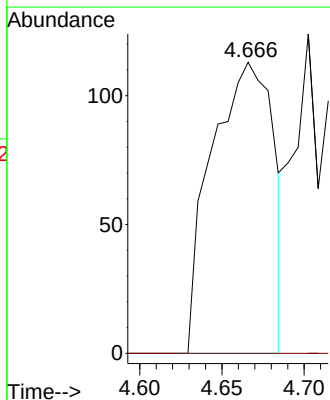
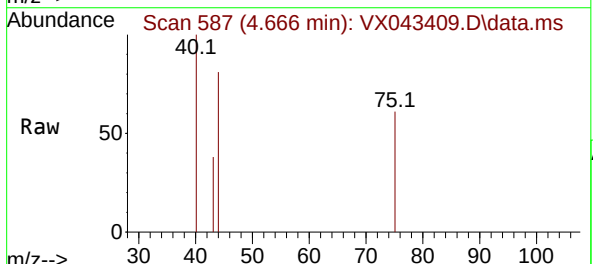
Instrument :
 MSVOA_X
 ClientSampleId :

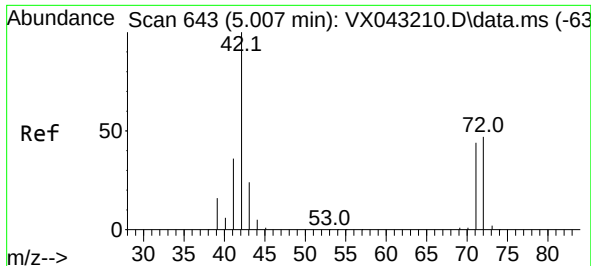
Tgt Ion: 43 Resp: 23
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 0.434 ug/l
 RT: 4.666 min Scan# 587
 Delta R.T. 0.104 min
 Lab File: VX043409.D
 Acq: 15 Oct 2024 04:38 pm

Tgt Ion: 43 Resp: 296
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.6 31.0#





#29

Tetrahydrofuran

Concen: 0.363 ug/l

RT: 5.062 min Scan# 61

Delta R.T. 0.055 min

Lab File: VX043409.D

Acq: 15 Oct 2024 04:38

Instrument :

MSVOA_X

ClientSampleId :

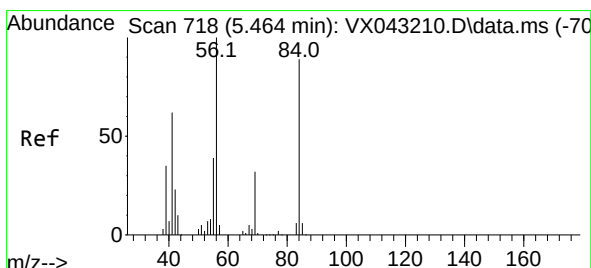
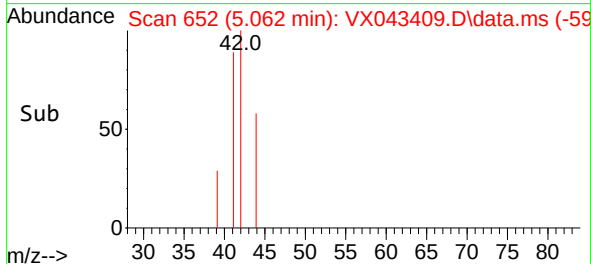
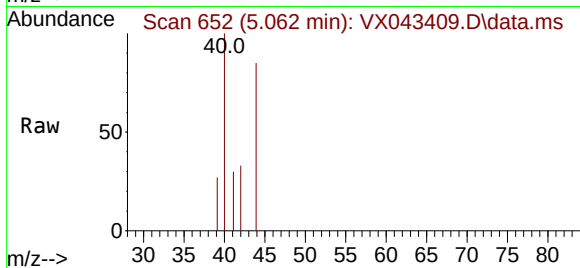
Tgt Ion: 42 Resp: 158

Ion Ratio Lower Upper

42 100

72 0.0 37.7 56.5#

71 0.0 34.6 52.0#



#31

Cyclohexane

Concen: 1.586 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX043409.D

Acq: 15 Oct 2024 04:38 pm

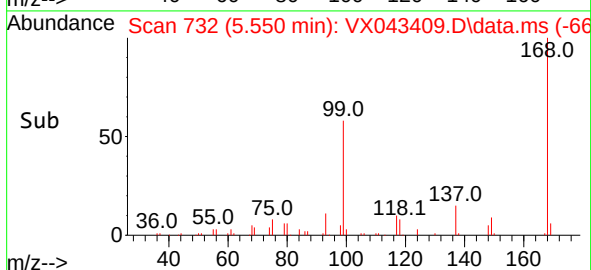
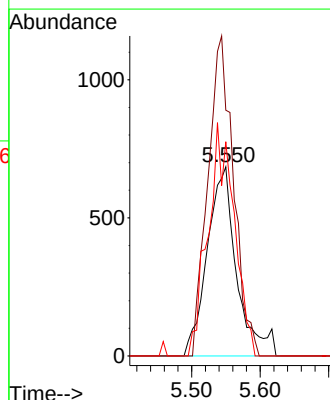
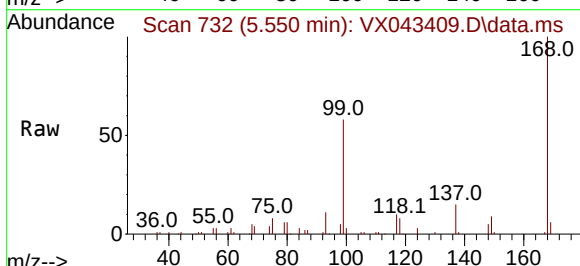
Tgt Ion: 56 Resp: 2040

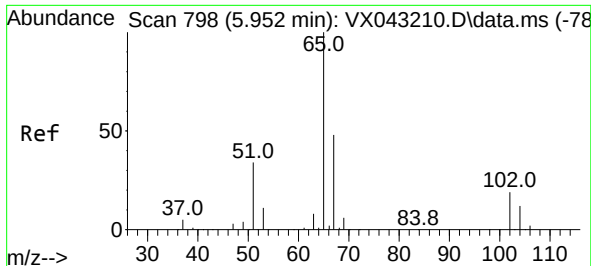
Ion Ratio Lower Upper

56 100

69 129.9 25.8 38.6#

84 113.3 71.1 106.7#

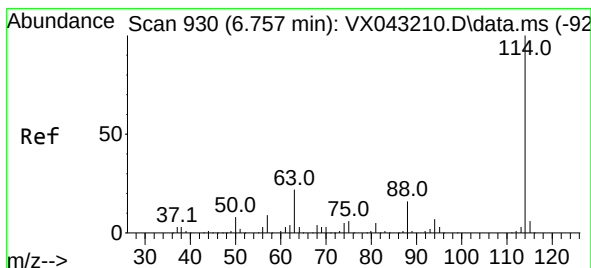
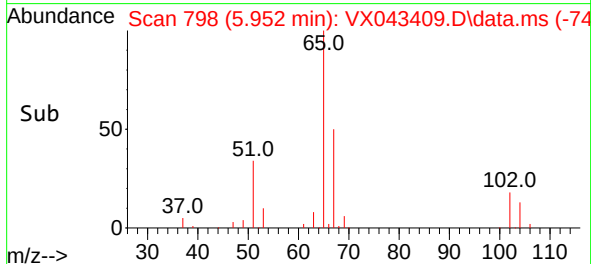
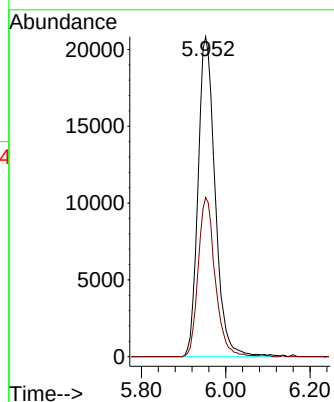
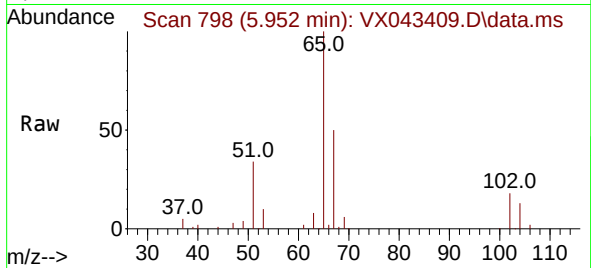




#33
 1,2-Dichloroethane-d4
 Concen: 49.297 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX043409.D
 Acq: 15 Oct 2024 04:38

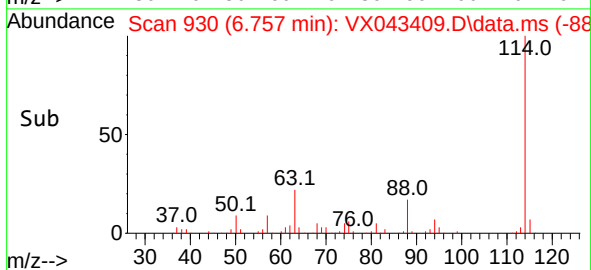
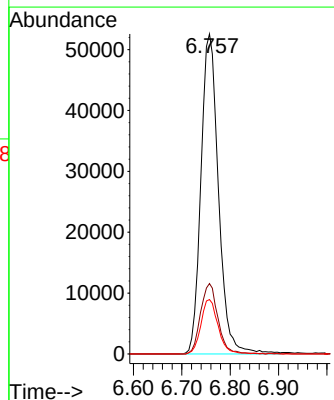
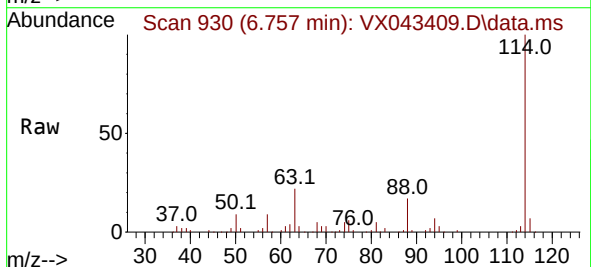
Instrument :
 MSVOA_X
 ClientSampleId :

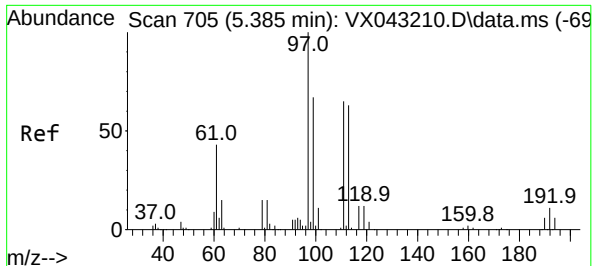
Tgt Ion: 65 Resp: 58782
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX043409.D
 Acq: 15 Oct 2024 04:38 pm

Tgt Ion: 114 Resp: 132481
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.0
 88 17.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 44.029 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

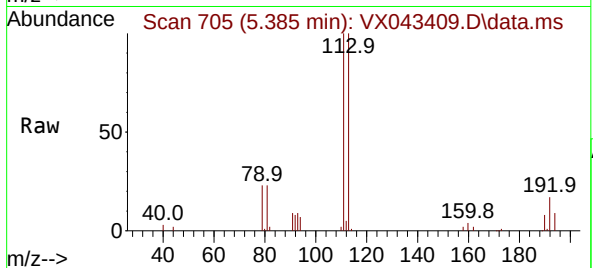
Lab File: VX043409.D

Acq: 15 Oct 2024 04:38

Instrument :

MSVOA_X

ClientSampleId :



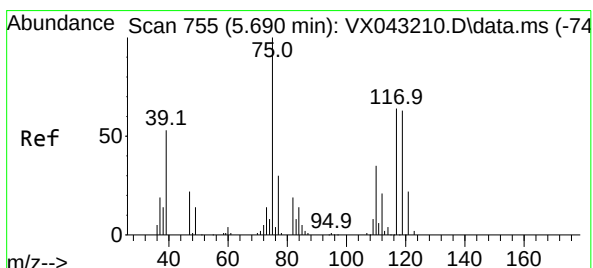
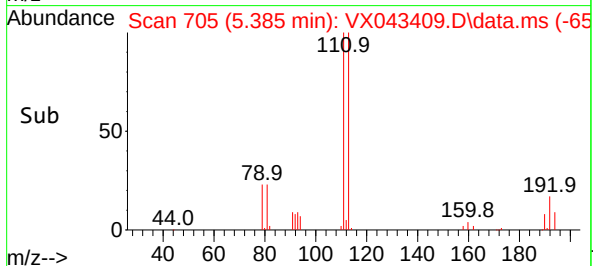
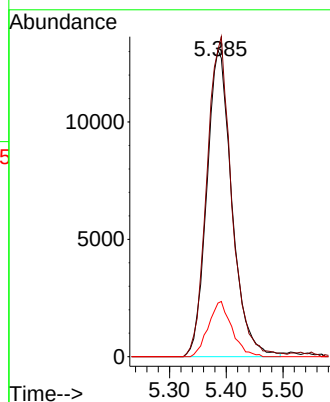
Tgt Ion:113 Resp: 40227

Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.0

192 16.8 14.1 21.1



#36

1,1-Dichloropropene

Concen: 5.500 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX043409.D

Acq: 15 Oct 2024 04:38 pm

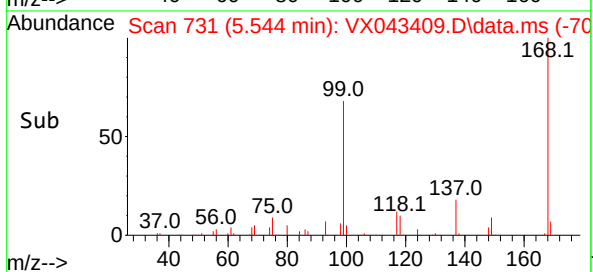
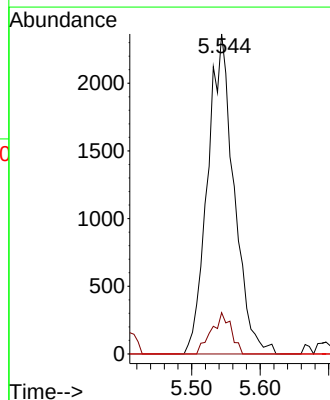
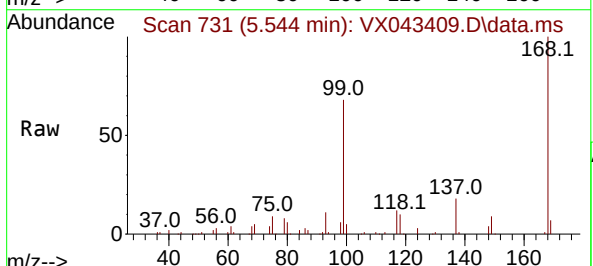
Tgt Ion: 75 Resp: 6348

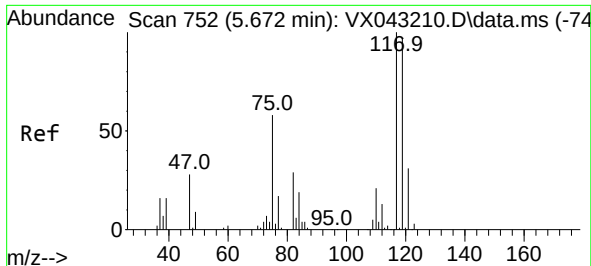
Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.3#

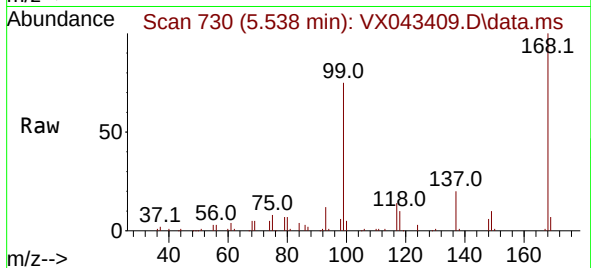
77 0.0 24.9 37.3#



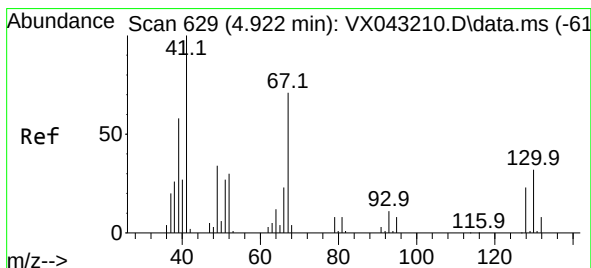
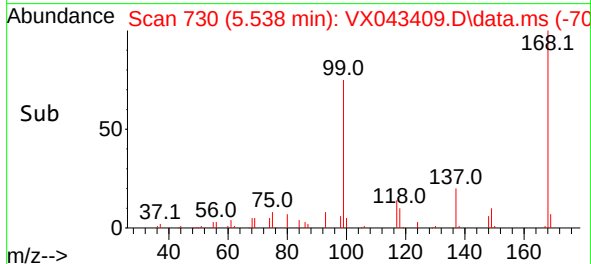
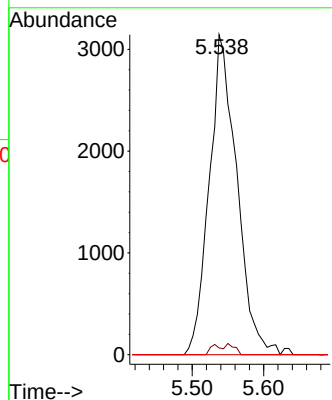


#38
Carbon Tetrachloride
Concen: 6.157 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX043409.D
Acq: 15 Oct 2024 04:38

Instrument :
MSVOA_X
ClientSampleId :

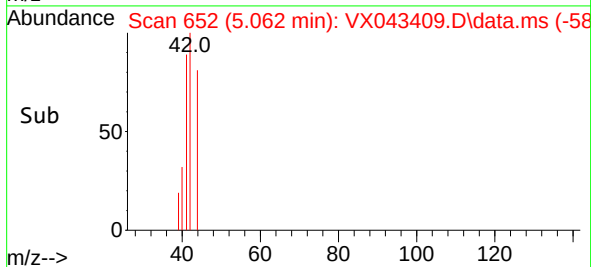
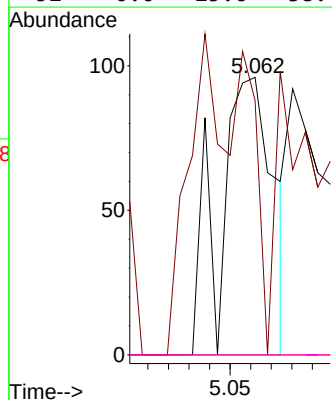
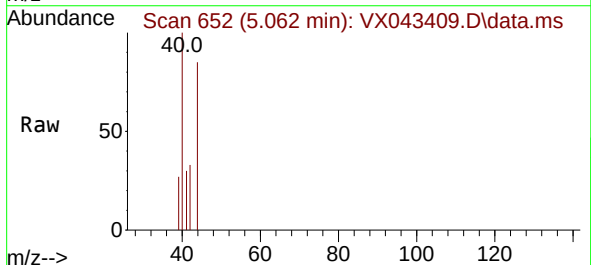


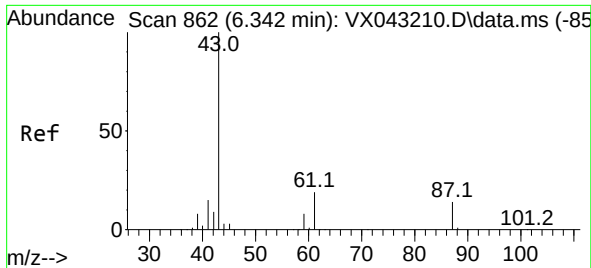
Tgt Ion:117 Resp: 8413
Ion Ratio Lower Upper
117 100
119 2.1 77.7 116.5#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 0.241 ug/l
RT: 5.062 min Scan# 652
Delta R.T. 0.140 min
Lab File: VX043409.D
Acq: 15 Oct 2024 04:38 pm

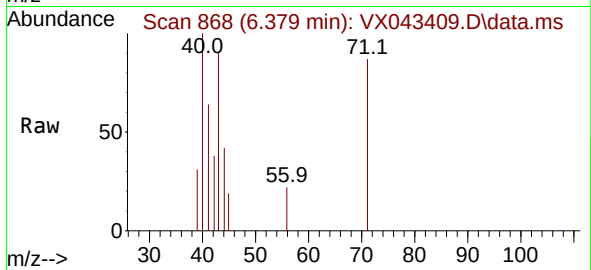
Tgt Ion: 41 Resp: 174
Ion Ratio Lower Upper
41 100
39 0.0 45.0 67.4#
67 0.0 56.0 84.0#
52 0.0 25.6 38.4#



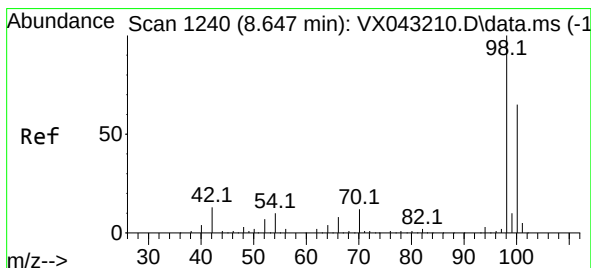
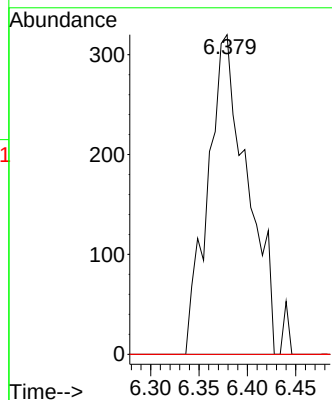


#43
Isopropyl Acetate
Concen: 0.396 ug/l
RT: 6.379 min Scan# 868
Delta R.T. 0.037 min
Lab File: VX043409.D
Acq: 15 Oct 2024 04:38

Instrument :
MSVOA_X
ClientSampleId :

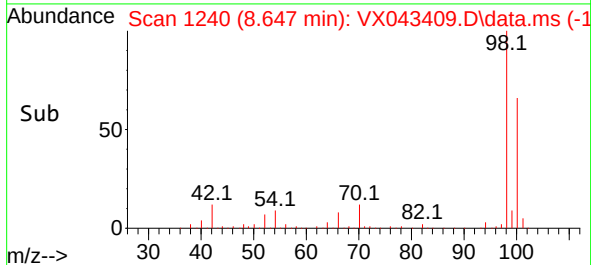
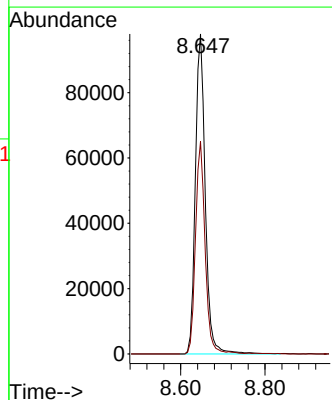
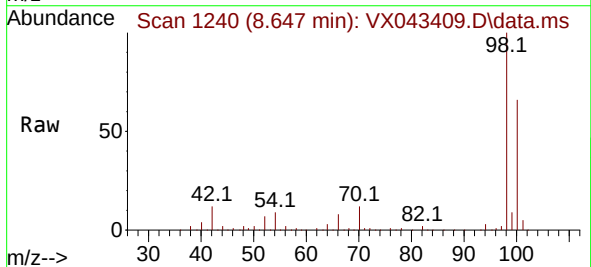


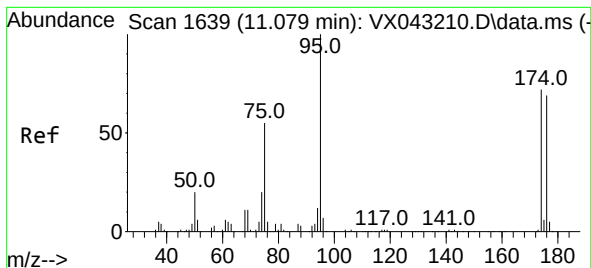
Tgt Ion: 43 Resp: 907
Ion Ratio Lower Upper
43 100
61 0.0 15.1 22.7#
87 0.0 10.8 16.2#



#50
Toluene-d8
Concen: 50.622 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043409.D
Acq: 15 Oct 2024 04:38 pm

Tgt Ion: 98 Resp: 160278
Ion Ratio Lower Upper
98 100
100 64.5 52.4 78.6

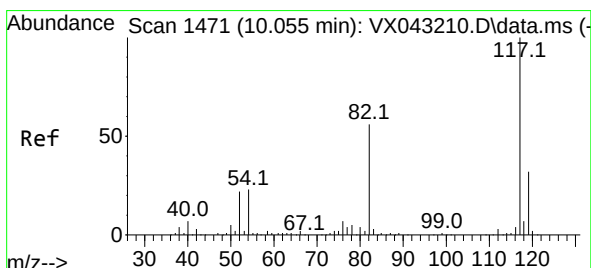
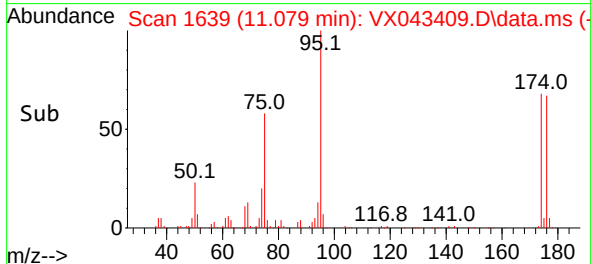
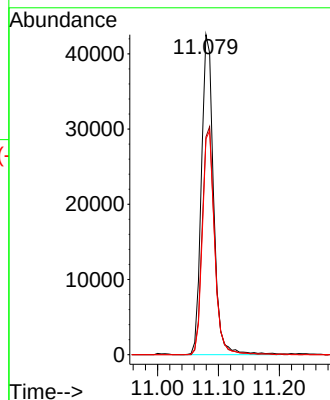
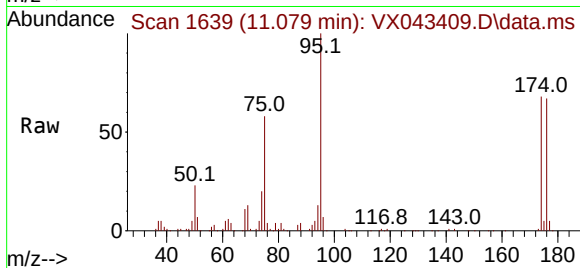




#62
4-Bromofluorobenzene
Concen: 51.317 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043409.D
Acq: 15 Oct 2024 04:38

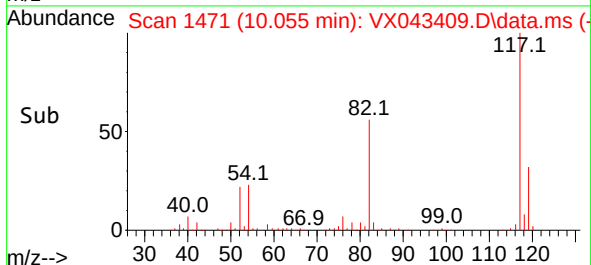
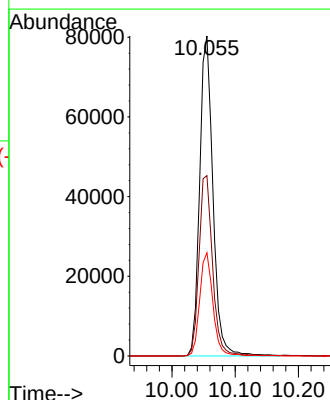
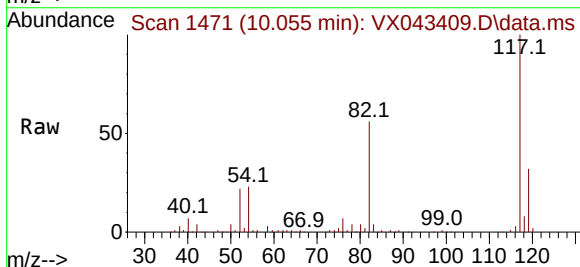
Instrument :
MSVOA_X
ClientSampleId :

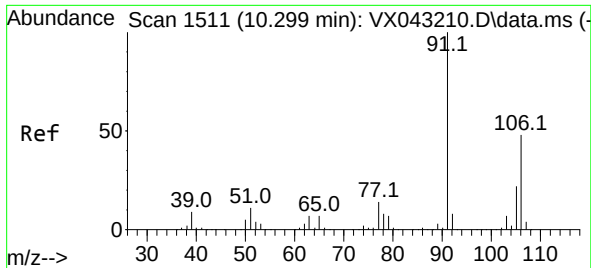
Tgt Ion: 95 Resp: 59028
Ion Ratio Lower Upper
95 100
174 72.1 0.0 145.0
176 70.1 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043409.D
Acq: 15 Oct 2024 04:38 pm

Tgt Ion: 117 Resp: 117575
Ion Ratio Lower Upper
117 100
82 56.3 45.0 67.6
119 32.2 25.3 37.9

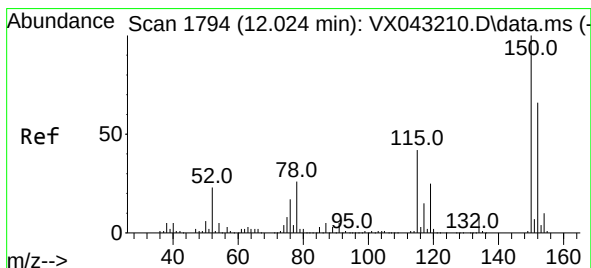
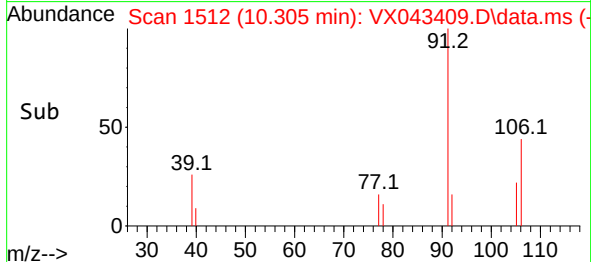
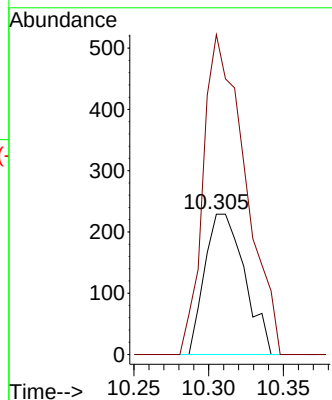
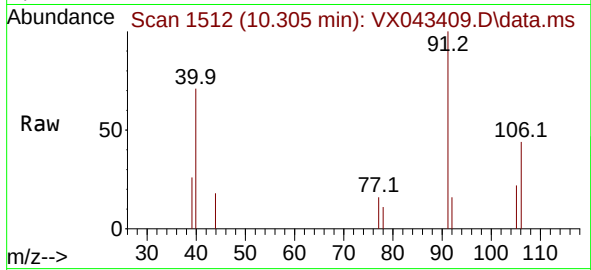




#68
m/p-Xylenes
Concen: 0.257 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043409.D
Acq: 15 Oct 2024 04:38

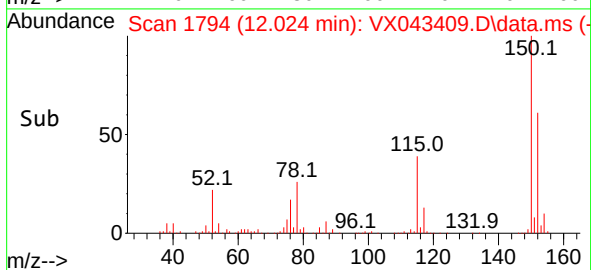
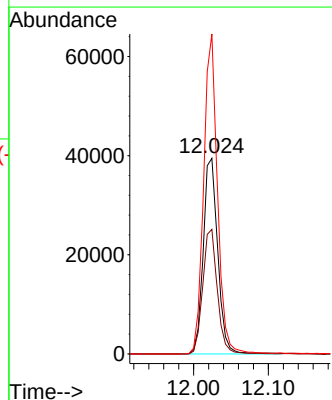
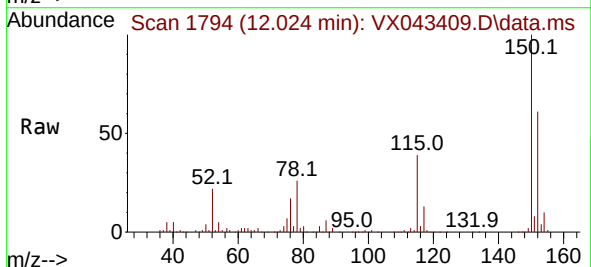
Instrument :
MSVOA_X
ClientSampleId :

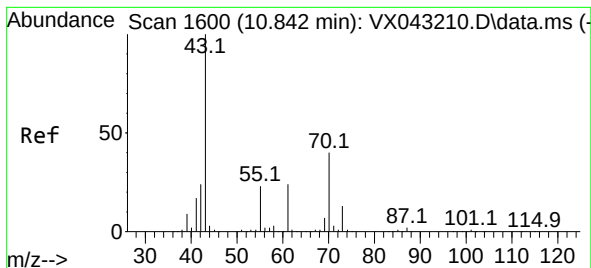
Tgt Ion:106 Resp: 425
Ion Ratio Lower Upper
106 100
91 239.8 167.0 250.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043409.D
Acq: 15 Oct 2024 04:38 pm

Tgt Ion:152 Resp: 53257
Ion Ratio Lower Upper
152 100
115 64.0 44.1 132.3
150 155.4 0.0 347.4





#74

N-amy1 acetate

Concen: 0.227 ug/l

RT: 10.860 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX043409.D

Acq: 15 Oct 2024 04:38

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43 Resp: 446

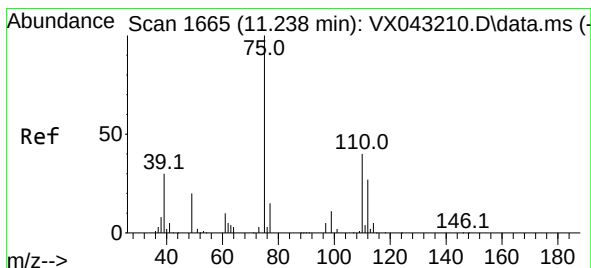
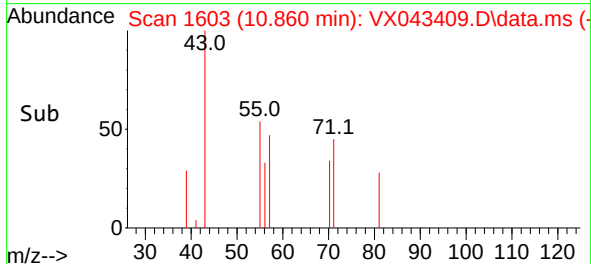
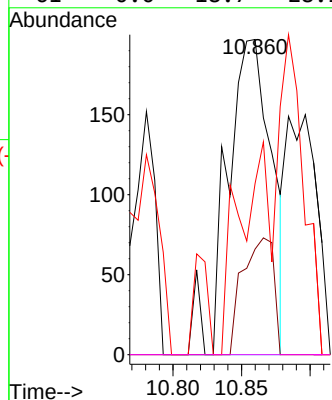
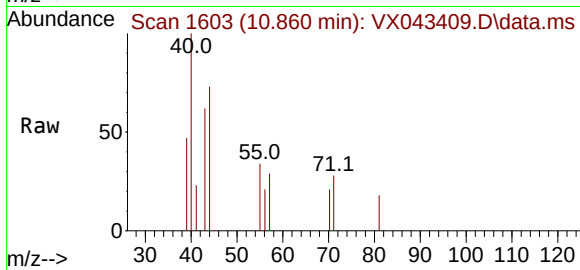
Ion Ratio Lower Upper

43 100

70 25.8 33.1 49.7#

55 0.0 18.6 27.8#

61 0.0 18.7 28.1#



#76

1,2,3-Trichloropropane

Concen: 27.690 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX043409.D

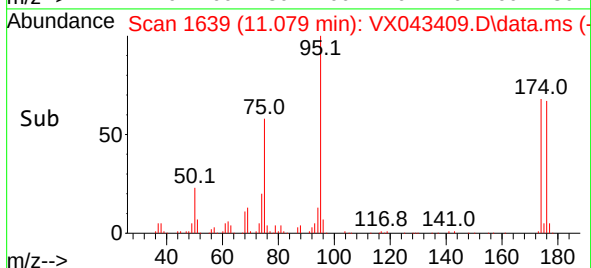
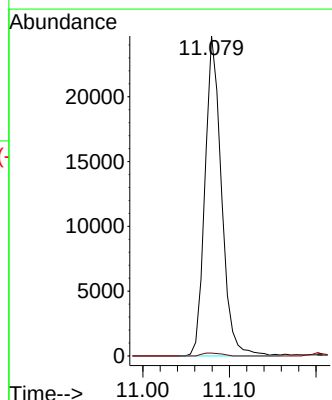
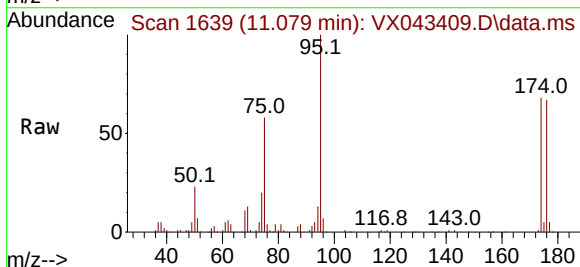
Acq: 15 Oct 2024 04:38 pm

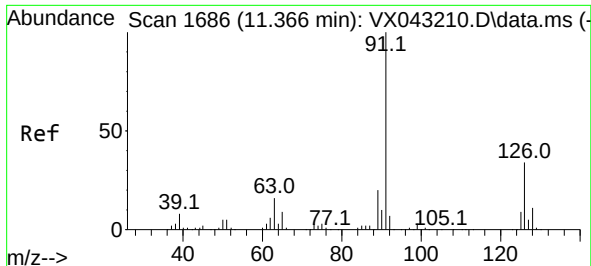
Tgt Ion: 75 Resp: 32710

Ion Ratio Lower Upper

75 100

77 1.1 22.0 66.0#

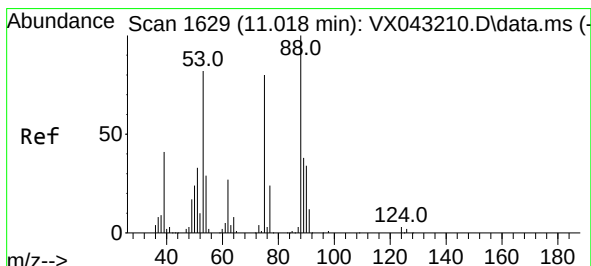
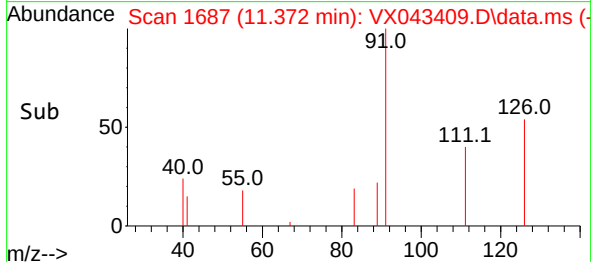
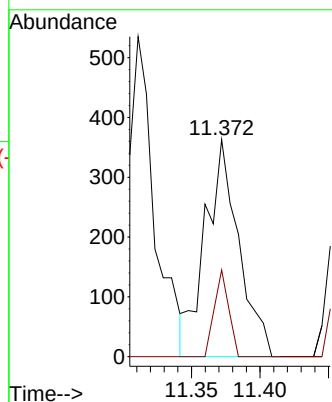
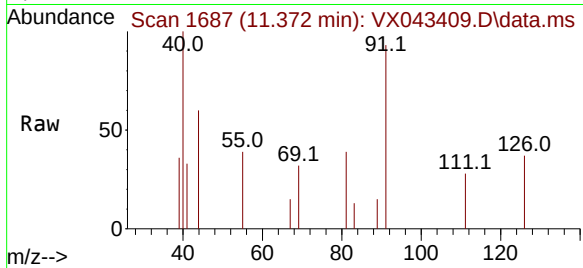




#79
2-Chlorotoluene
Concen: 0.210 ug/l
RT: 11.372 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VX043409.D
Acq: 15 Oct 2024 04:38

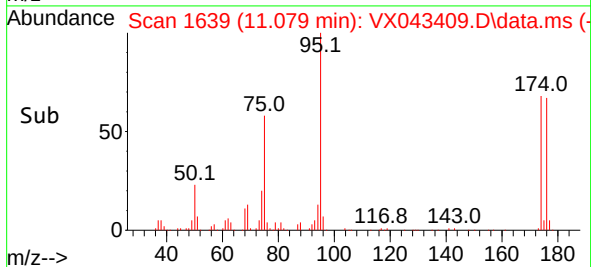
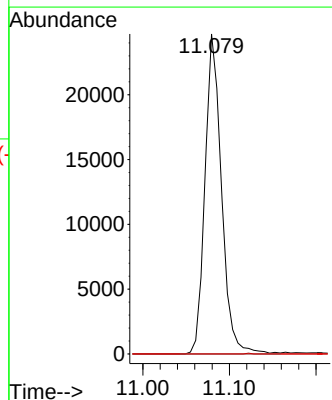
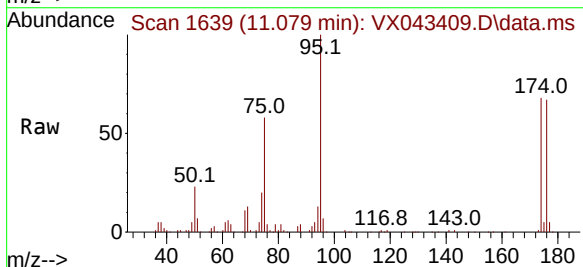
Instrument :
MSVOA_X
ClientSampleId :

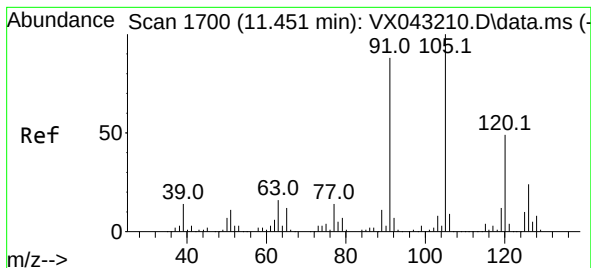
Tgt Ion: 91 Resp: 615
Ion Ratio Lower Upper
91 100
126 17.1 16.6 49.7



#81
trans-1,4-Dichloro-2-butene
Concen: 71.762 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043409.D
Acq: 15 Oct 2024 04:38 pm

Tgt Ion: 75 Resp: 32710
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#





#82

4-Chlorotoluene

Concen: 0.208 ug/l

RT: 11.470 min Scan# 1703

Delta R.T. 0.018 min

Lab File: VX043409.D

Acq: 15 Oct 2024 04:38

Instrument :

MSVOA_X

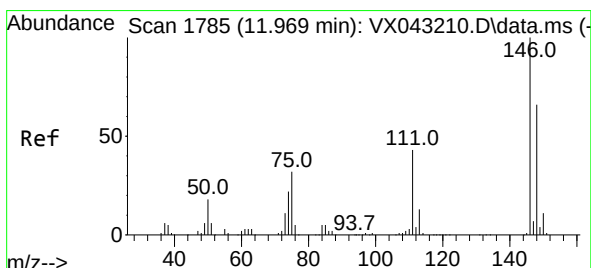
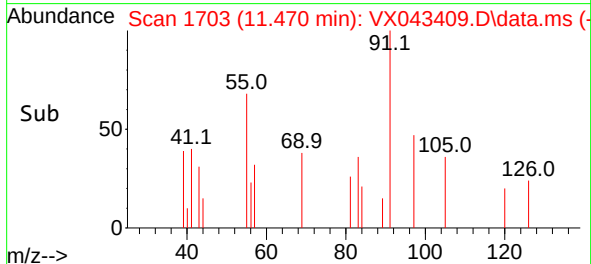
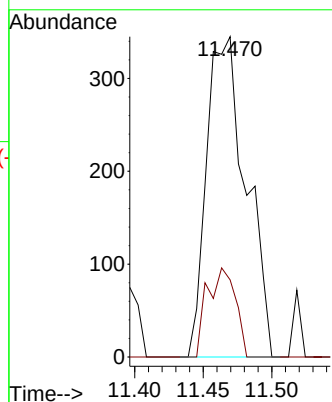
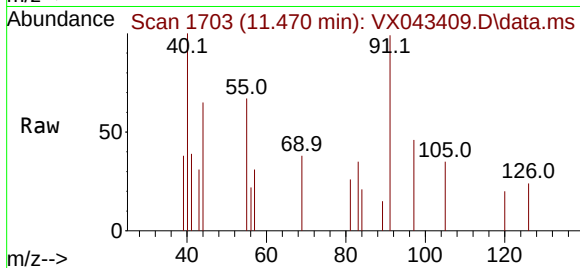
ClientSampleId :

Tgt Ion: 91 Resp: 691

Ion Ratio Lower Upper

91 100

126 19.8 14.1 42.3



#87

1,3-Dichlorobenzene

Concen: 0.239 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX043409.D

Acq: 15 Oct 2024 04:38 pm

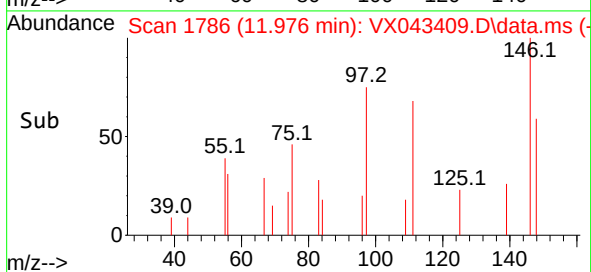
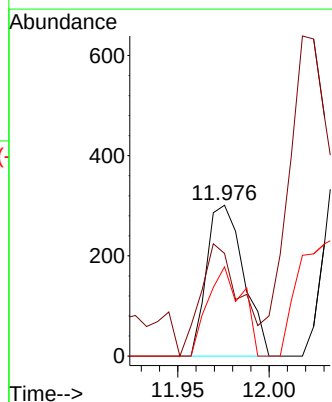
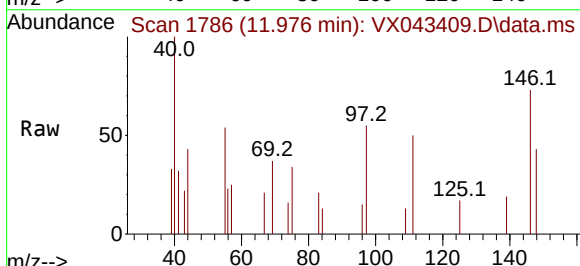
Tgt Ion:146 Resp: 424

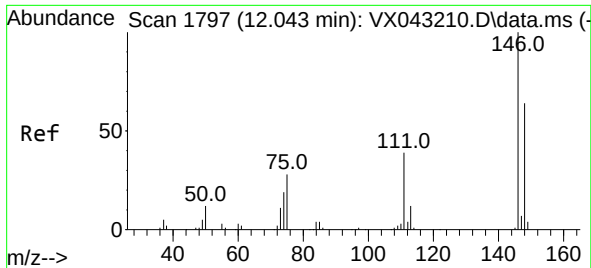
Ion Ratio Lower Upper

146 100

111 79.2 21.8 65.3#

148 55.4 32.4 97.2





#88

1,4-Dichlorobenzene

Concen: 0.332 ug/l

RT: 12.037 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX043409.D

Acq: 15 Oct 2024 04:38

Instrument :

MSVOA_X

ClientSampleId :

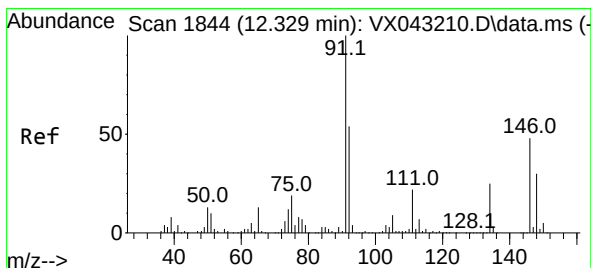
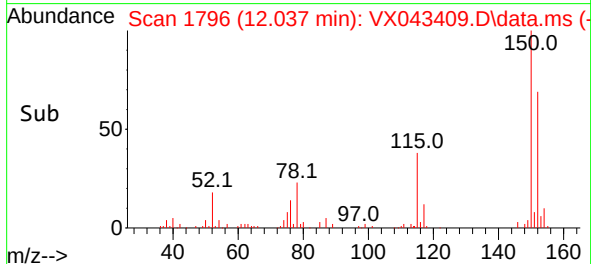
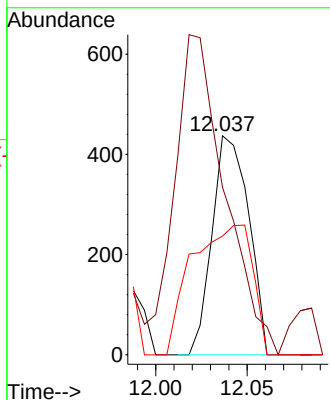
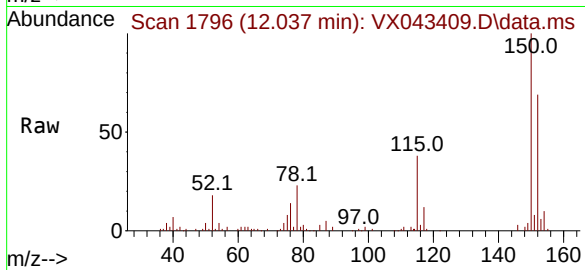
Tgt Ion:146 Resp: 608

Ion Ratio Lower Upper

146 100

111 0.0 20.8 62.5#

148 98.4 32.4 97.0#



#89

n-Butylbenzene

Concen: 0.275 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.012 min

Lab File: VX043409.D

Acq: 15 Oct 2024 04:38 pm

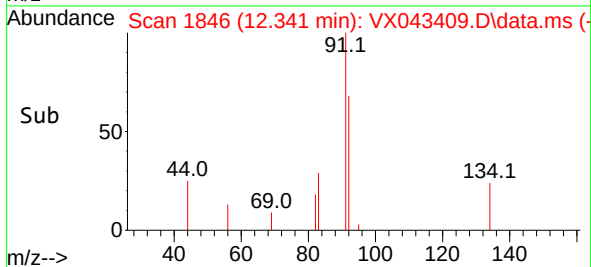
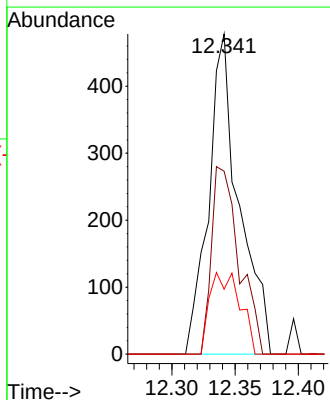
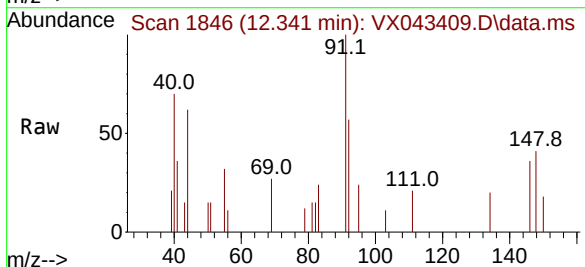
Tgt Ion: 91 Resp: 801

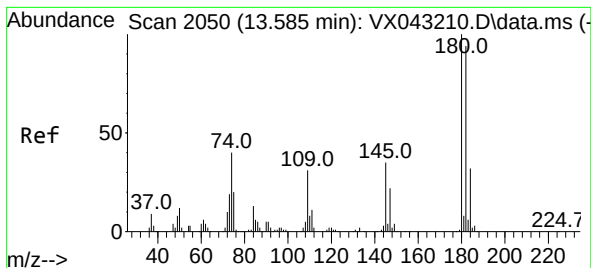
Ion Ratio Lower Upper

91 100

92 53.2 27.0 81.0

134 25.3 12.9 38.6





#93

1,2,4-Trichlorobenzene

Concen: 0.518 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX043409.D

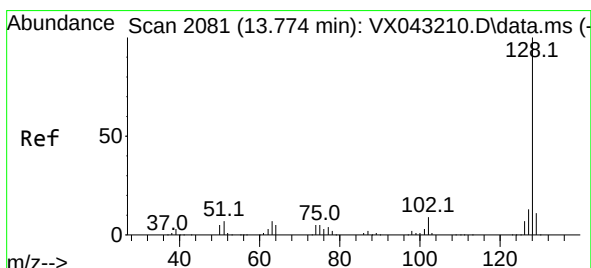
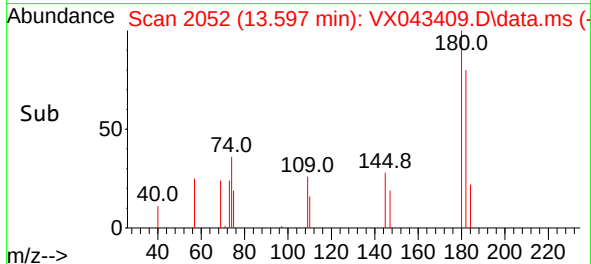
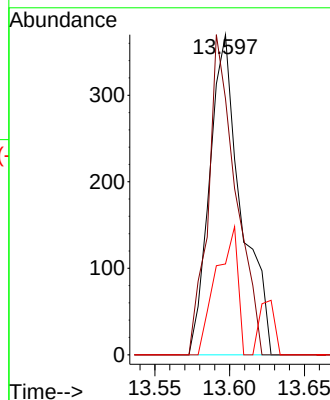
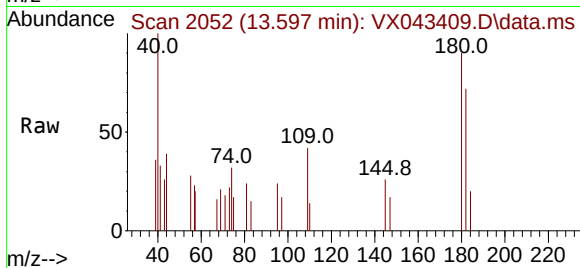
Acq: 15 Oct 2024 04:38

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	542
Ion Ratio	Lower	Upper
180	100	
182	87.3	47.1 141.3
145	27.3	16.6 49.8



#95

Naphthalene

Concen: 0.709 ug/l

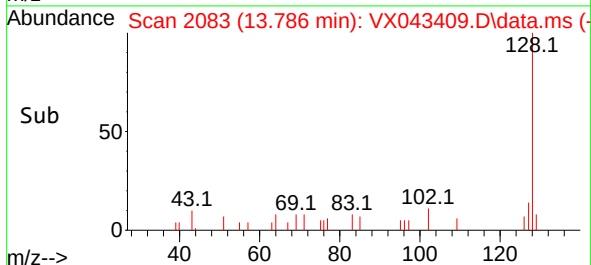
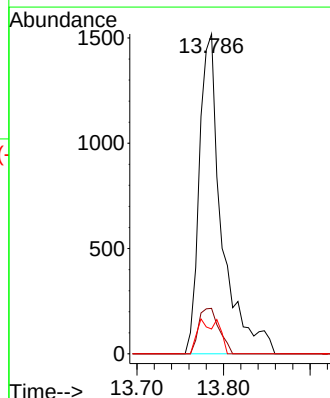
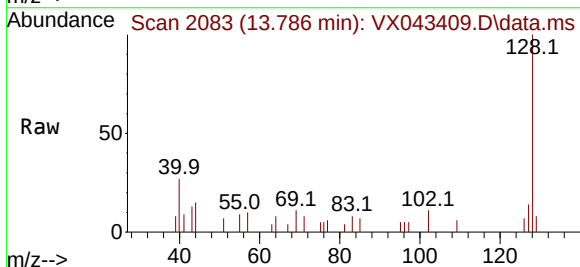
RT: 13.786 min Scan# 2083

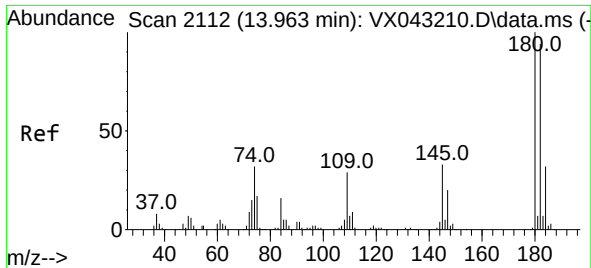
Delta R.T. 0.012 min

Lab File: VX043409.D

Acq: 15 Oct 2024 04:38 pm

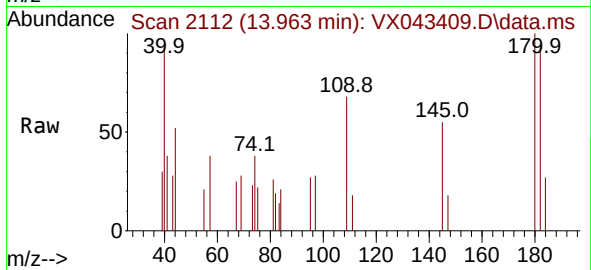
Tgt Ion:128	Resp:	2726
Ion Ratio	Lower	Upper
128	100	
127	13.0	10.2 15.2
129	10.2	8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.491 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX043409.D
 Acq: 15 Oct 2024 04:38

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	530
Ion	Ratio	Lower	Upper
180	100		
182	97.5	46.5	139.3
145	43.2	17.2	51.6

