

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101524\
 Data File : VX043402.D
 Acq On : 15 Oct 2024 01:56 pm
 Operator : JC/MD
 Sample : P4395-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 16 01:55:45 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)

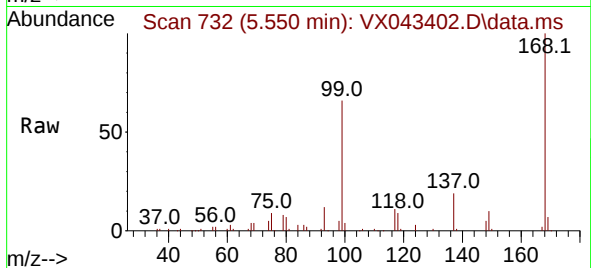
Internal Standards						
1) Pentafluorobenzene	5.550	168	80006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147724	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66690	51.040	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.080%			
35) Dibromofluoromethane	5.385	113	47494	46.619	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.240%			
50) Toluene-d8	8.647	98	172298	48.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.600%			
62) 4-Bromofluorobenzene	11.079	95	62836	48.991	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.980%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.685	64	128	0.358	ug/l #	39
11) Tert butyl alcohol	2.947	59	1099	4.420	ug/l #	71
13) Acrolein	2.245	56	91	0.387	ug/l #	36
16) Acetone	2.392	43	23926	43.848	ug/l	98
17) Carbon Disulfide	2.502	76	598	0.277	ug/l #	76
18) Methyl Acetate	2.715	43	2847	2.080	ug/l	92
20) Methylene Chloride	2.788	84	2193	2.180	ug/l	91
23) Vinyl Acetate	3.715	43	22	6.346	ug/l #	71
25) 2-Butanone	4.593	43	2950	3.943	ug/l	92
29) Tetrahydrofuran	5.044	42	392	0.822	ug/l #	63
31) Cyclohexane	5.544	56	1964	1.393	ug/l #	33
36) 1,1-Dichloropropene	5.550	75	6992	5.433	ug/l #	50
37) Ethyl Acetate	4.745	43	1325	0.857	ug/l #	84
38) Carbon Tetrachloride	5.544	117	9021	5.921	ug/l #	15
41) Methacrylonitrile	5.038	41	174	0.216	ug/l #	3
43) Isopropyl Acetate	6.342	43	84610	33.144	ug/l	100
48) Methyl methacrylate	7.799	41	71336	56.952	ug/l #	45
49) 1,4-Dioxane	7.799	88	107	4.395	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	64841	41.820	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	484	0.323	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28394	17.660	ug/l #	60
56) Ethyl methacrylate	9.250	69	464	0.292	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3580	2.163	ug/l #	43
59) 2-Hexanone	9.482	43	48829	41.646	ug/l #	52
74) N-amyl acetate	10.640	43	14937	7.256	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	34605	27.970	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	34605	72.489	ug/l #	8
90) Hexachloroethane	12.695	117	178	0.260	ug/l #	16

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

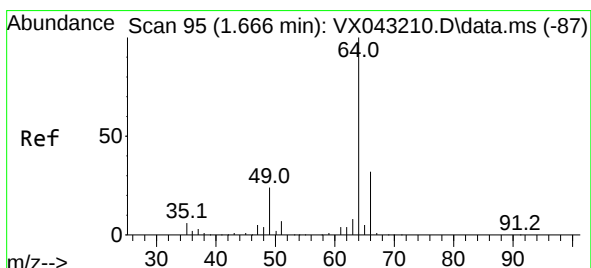
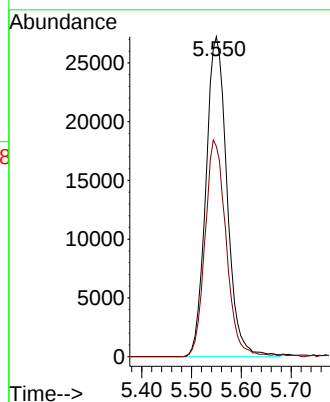
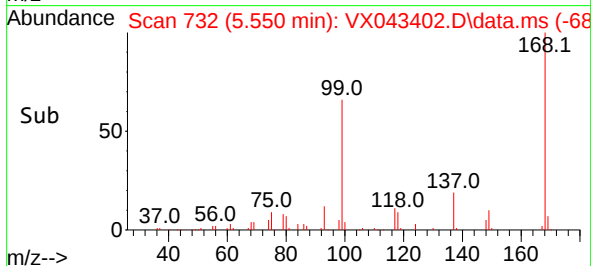


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56

Instrument :
MSVOA_X
ClientSampleId :

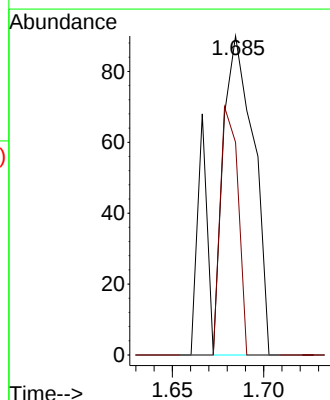
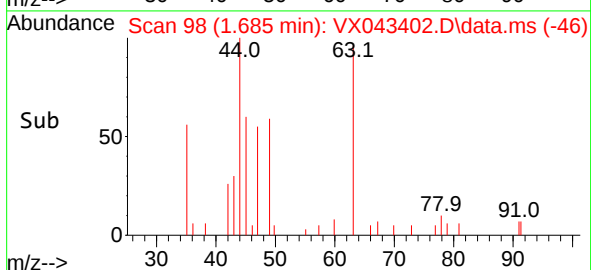
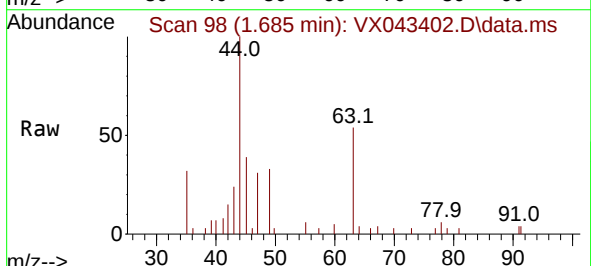


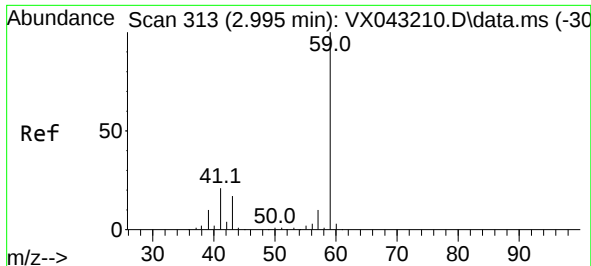
Tgt Ion:168 Resp: 80006
Ion Ratio Lower Upper
168 100
99 65.7 49.7 74.5



#6
Chloroethane
Concen: 0.358 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.018 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56 pm

Tgt Ion: 64 Resp: 128
Ion Ratio Lower Upper
64 100
66 66.7 25.8 38.8#

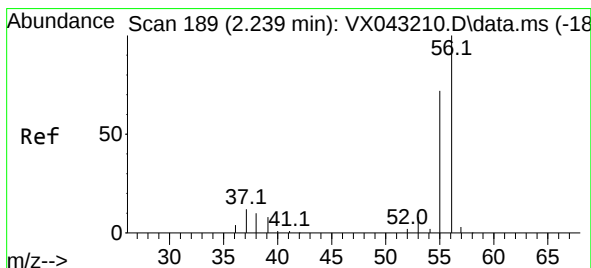
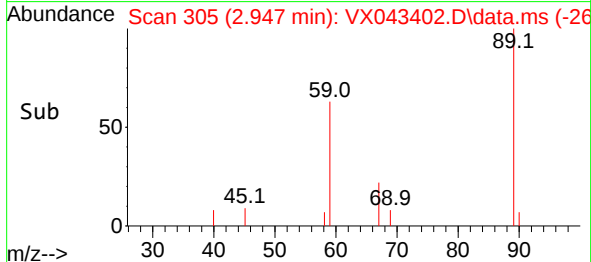
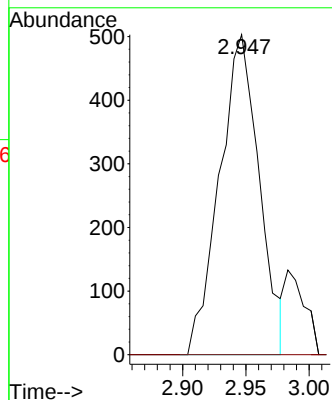
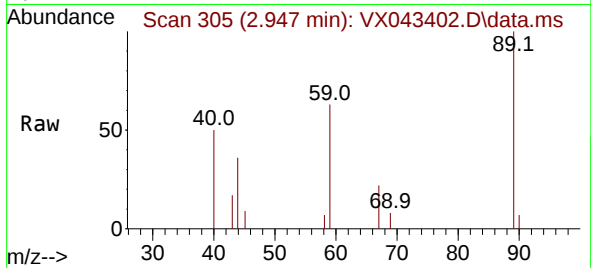




#11
Tert butyl alcohol
Concen: 4.420 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56

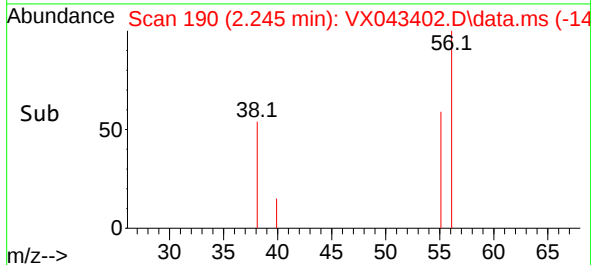
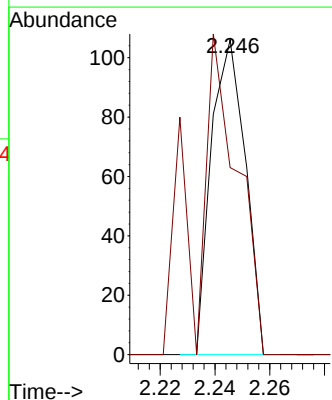
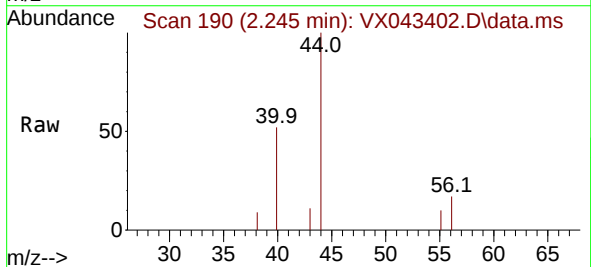
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 59 Resp: 1099
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 0.387 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56 pm

Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 125.3 57.4 86.0#

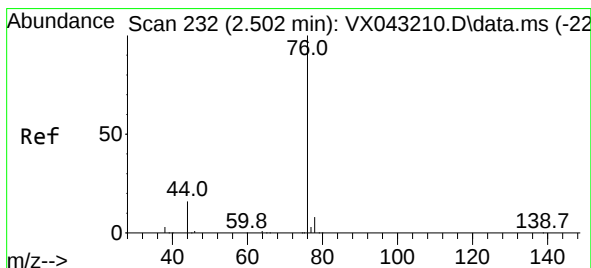
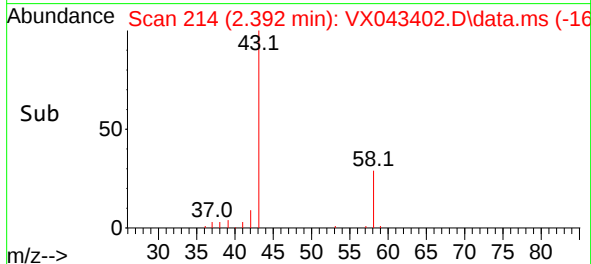
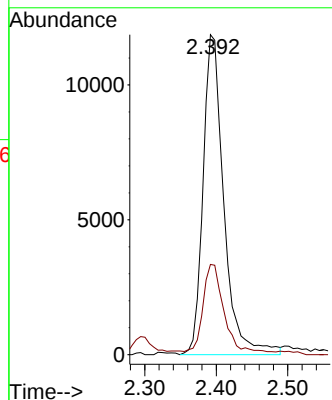
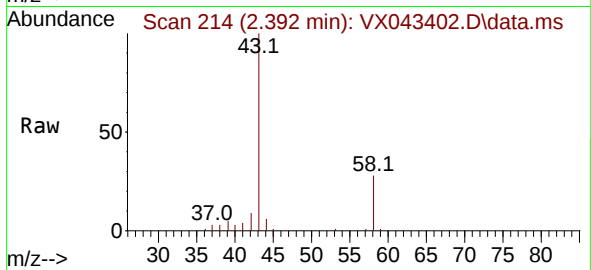




#16
Acetone
Concen: 43.848 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56

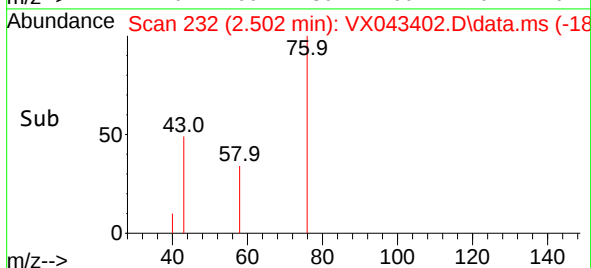
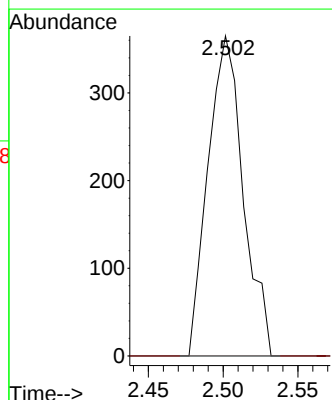
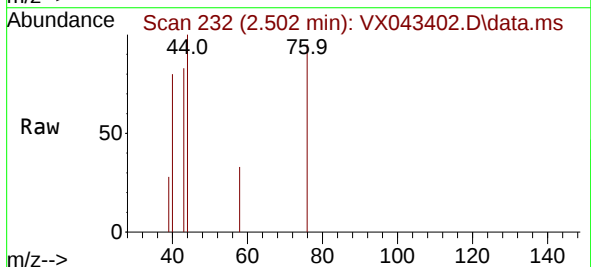
Instrument :
MSVOA_X
ClientSampleId :

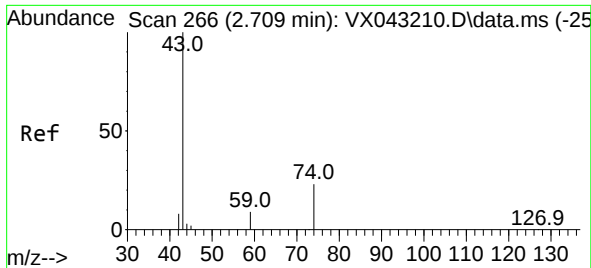
Tgt Ion: 43 Resp: 23926
Ion Ratio Lower Upper
43 100
58 27.1 22.6 33.8



#17
Carbon Disulfide
Concen: 0.277 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56 pm

Tgt Ion: 76 Resp: 598
Ion Ratio Lower Upper
76 100
78 0.0 6.7 10.1#

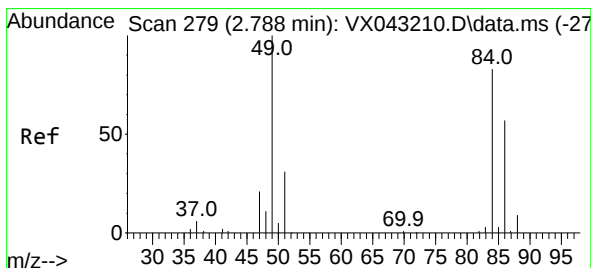
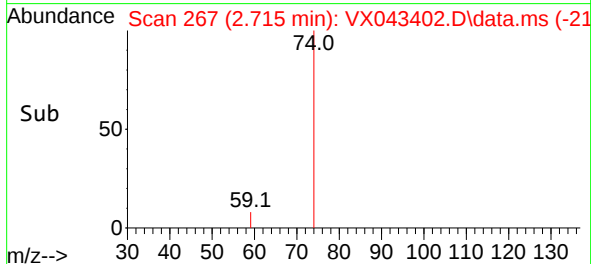
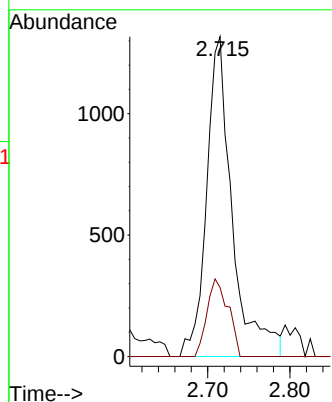
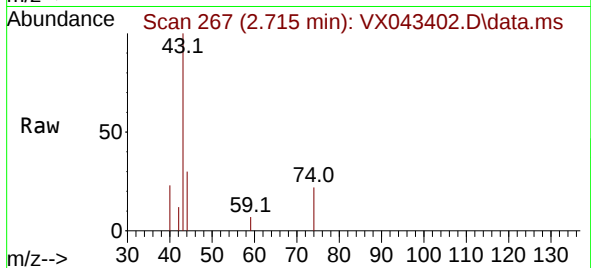




#18
Methyl Acetate
Concen: 2.080 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56

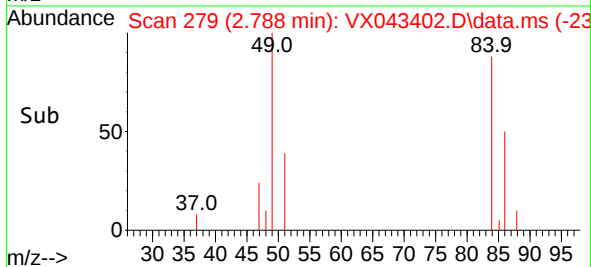
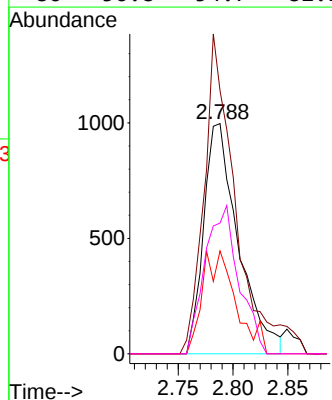
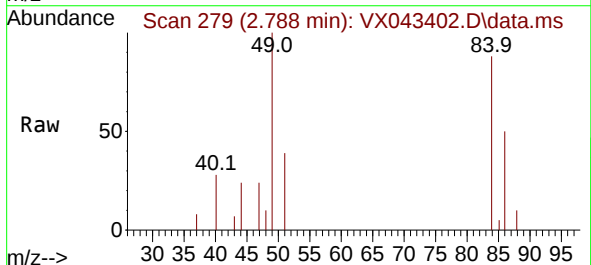
Instrument :
MSVOA_X
ClientSampleId :

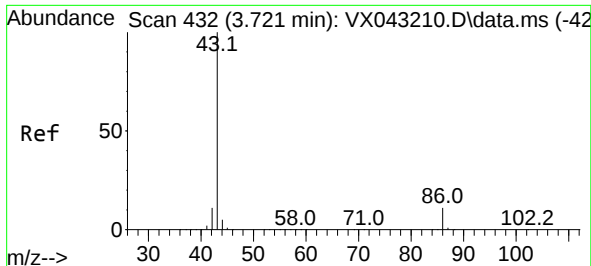
Tgt Ion: 43 Resp: 2847
Ion Ratio Lower Upper
43 100
74 20.1 19.1 28.7



#20
Methylene Chloride
Concen: 2.180 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56 pm

Tgt Ion: 84 Resp: 2193
Ion Ratio Lower Upper
84 100
49 114.2 96.7 145.1
51 44.7 30.4 45.6
86 56.8 54.7 82.1

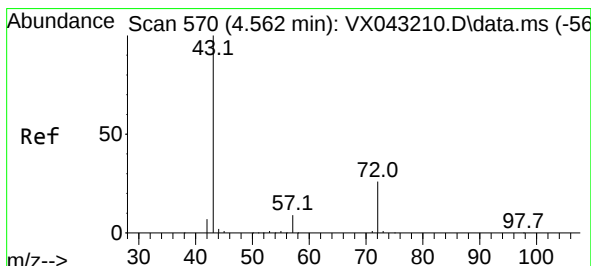
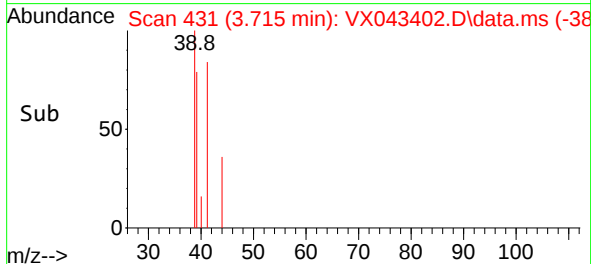
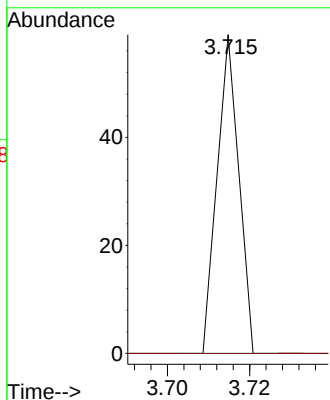
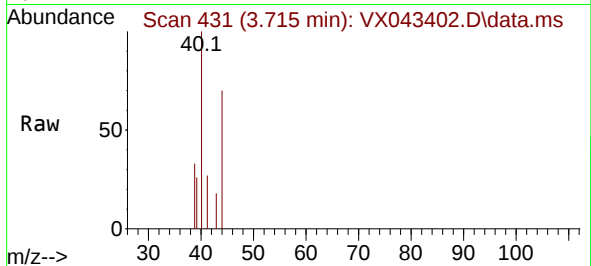




#23
 Vinyl Acetate
 Concen: 6.346 ug/l
 RT: 3.715 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX043402.D
 Acq: 15 Oct 2024 01:56

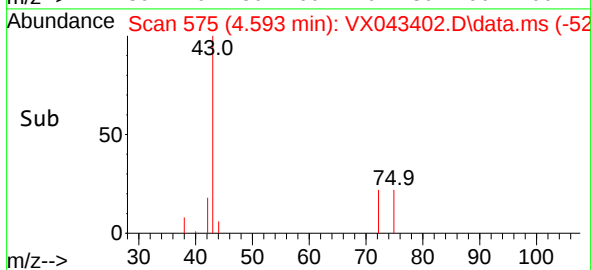
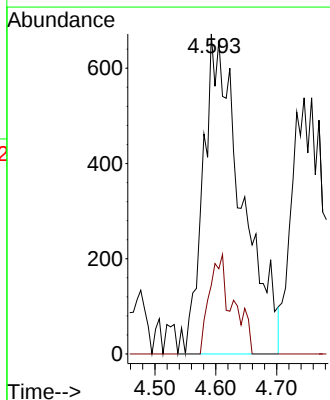
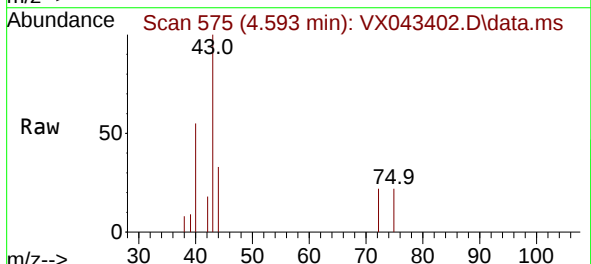
Instrument :
 MSVOA_X
 ClientSampleId :

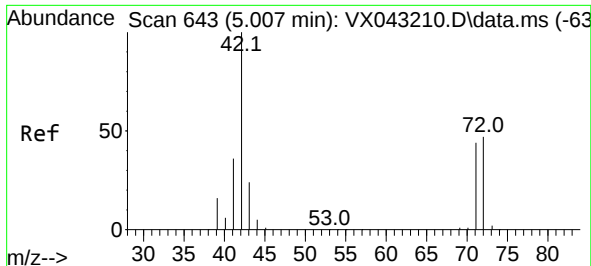
Tgt Ion: 43 Resp: 22
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 3.943 ug/l
 RT: 4.593 min Scan# 575
 Delta R.T. 0.031 min
 Lab File: VX043402.D
 Acq: 15 Oct 2024 01:56 pm

Tgt Ion: 43 Resp: 2950
 Ion Ratio Lower Upper
 43 100
 72 21.6 20.6 31.0





#29

Tetrahydrofuran

Concen: 0.822 ug/l

RT: 5.044 min Scan# 643

Delta R.T. 0.037 min

Lab File: VX043402.D

Acq: 15 Oct 2024 01:56

Instrument :

MSVOA_X

ClientSampleId :

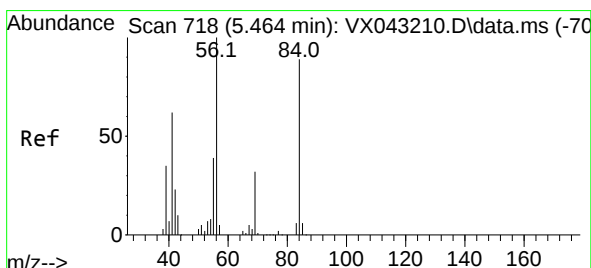
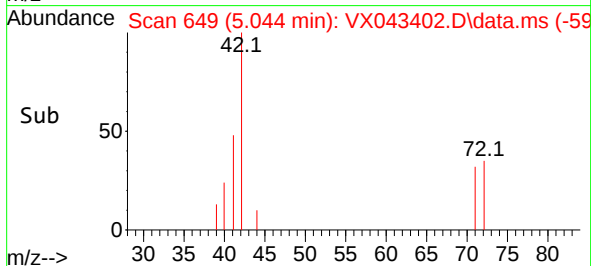
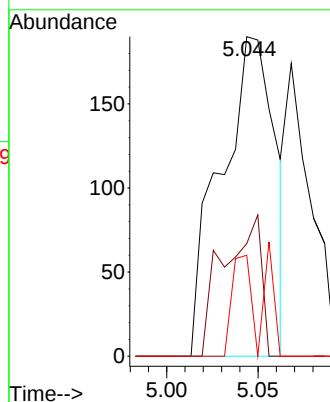
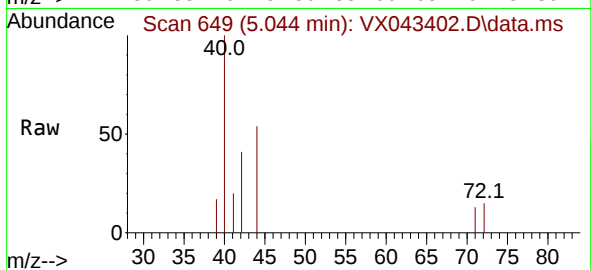
Tgt Ion: 42 Resp: 392

Ion Ratio Lower Upper

42 100

72 30.4 37.7 56.5#

71 11.0 34.6 52.0#



#31

Cyclohexane

Concen: 1.393 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX043402.D

Acq: 15 Oct 2024 01:56 pm

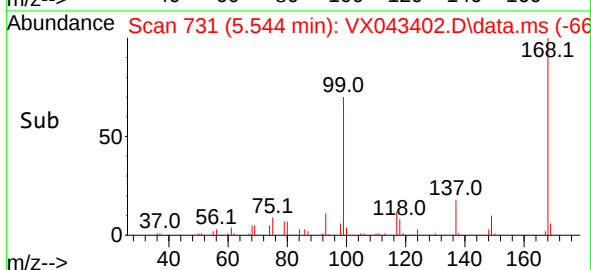
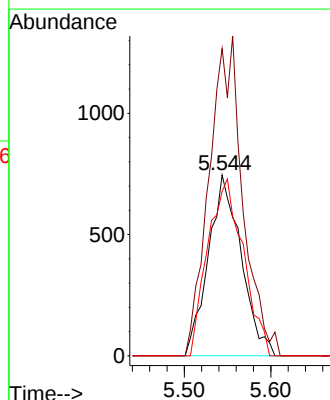
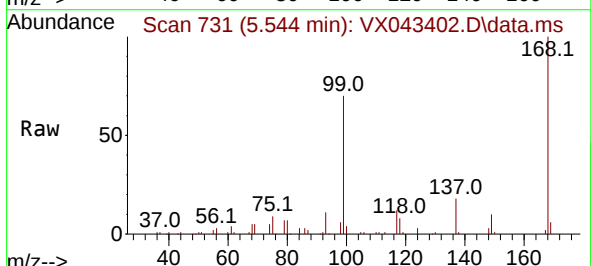
Tgt Ion: 56 Resp: 1964

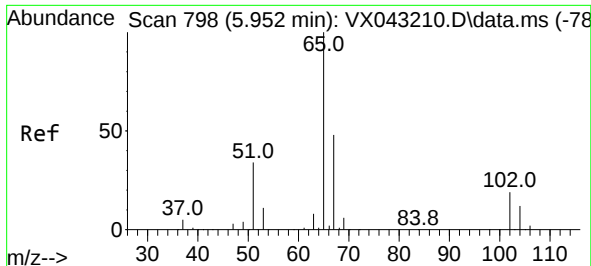
Ion Ratio Lower Upper

56 100

69 169.8 25.8 38.6#

84 90.9 71.1 106.7





#33

1,2-Dichloroethane-d4

Concen: 51.040 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043402.D

Acq: 15 Oct 2024 01:56

Instrument :

MSVOA_X

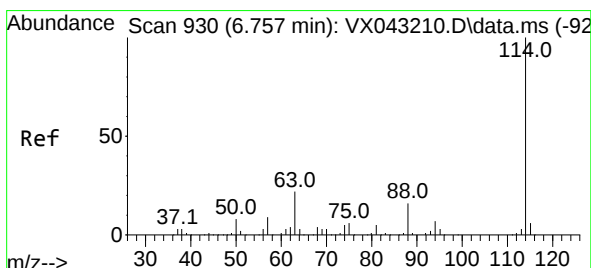
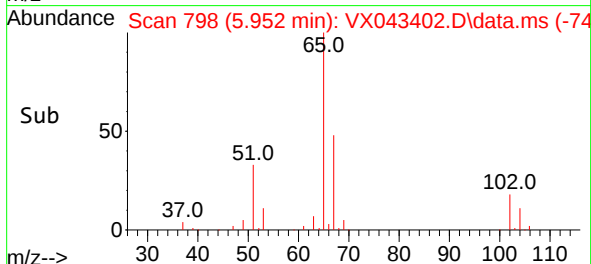
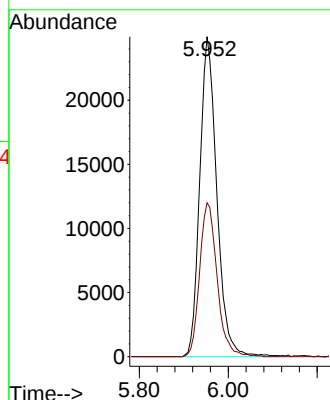
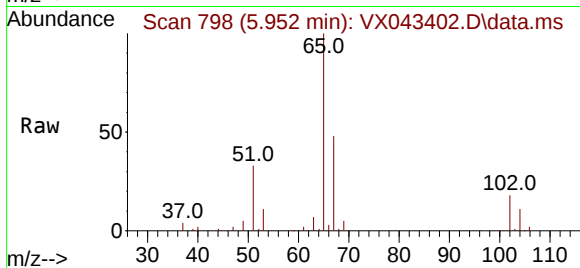
ClientSampleId :

Tgt Ion: 65 Resp: 66690

Ion Ratio Lower Upper

65 100

67 49.3 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: VX043402.D

Acq: 15 Oct 2024 01:56 pm

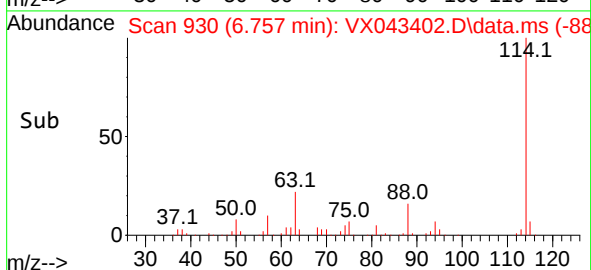
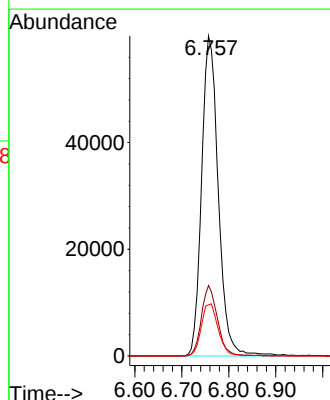
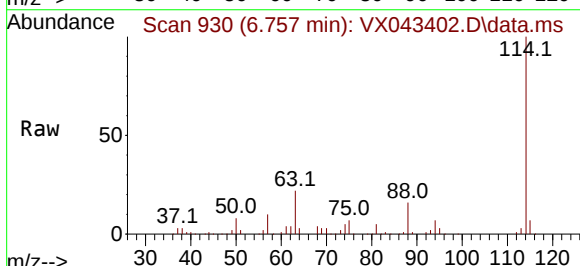
Tgt Ion: 114 Resp: 147724

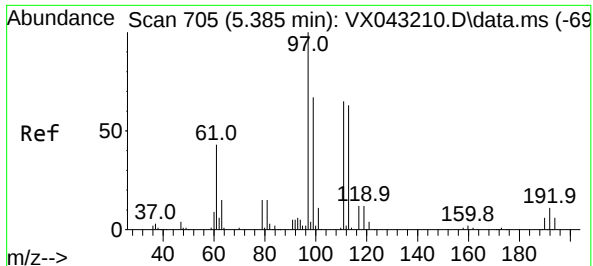
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.0

88 15.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 46.619 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

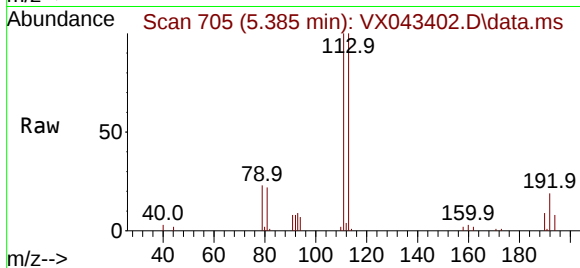
Lab File: VX043402.D

Acq: 15 Oct 2024 01:56

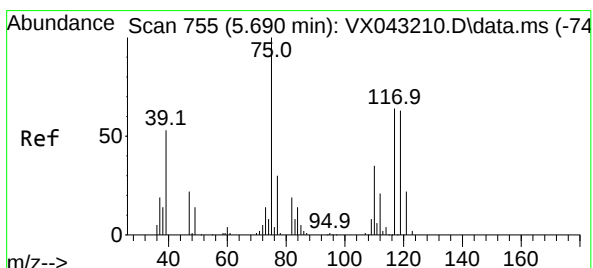
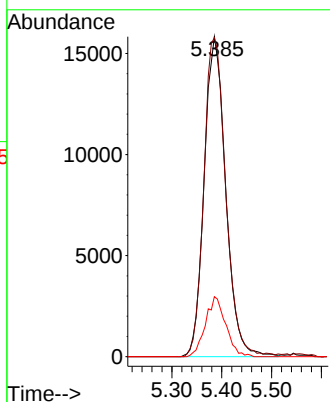
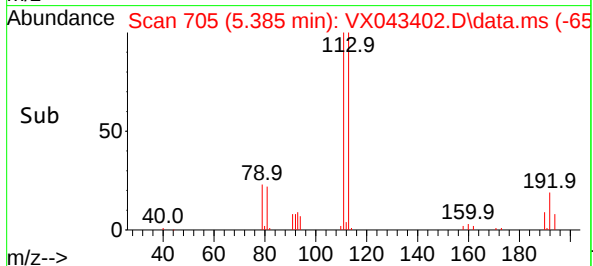
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	113	Resp:	47494
Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.4	125.0
192	17.7	14.1	21.1



#36

1,1-Dichloropropene

Concen: 5.433 ug/l

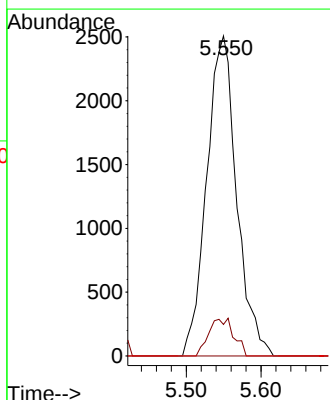
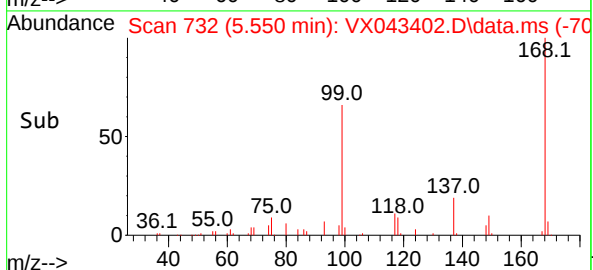
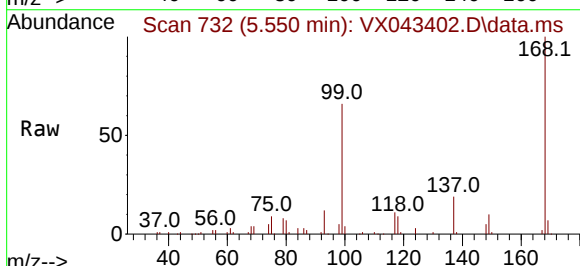
RT: 5.550 min Scan# 732

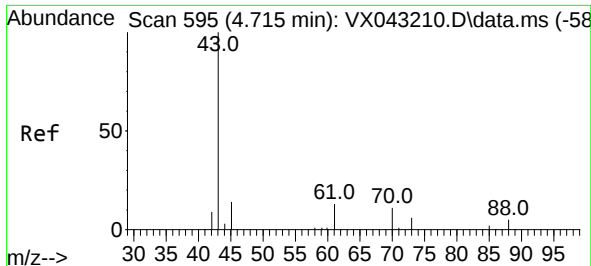
Delta R.T. -0.140 min

Lab File: VX043402.D

Acq: 15 Oct 2024 01:56 pm

Tgt Ion:	75	Resp:	6992
Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.8	53.3#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 0.857 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.030 min

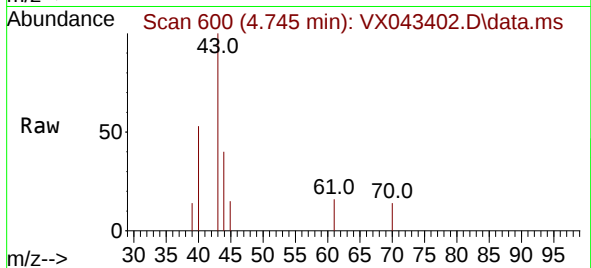
Lab File: VX043402.D

Acq: 15 Oct 2024 01:56

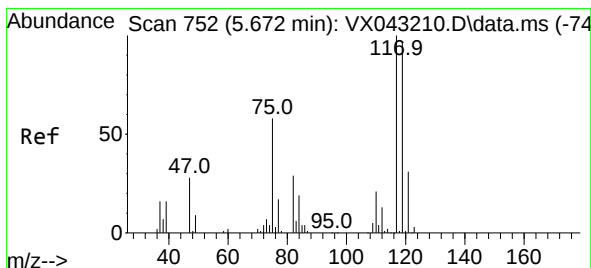
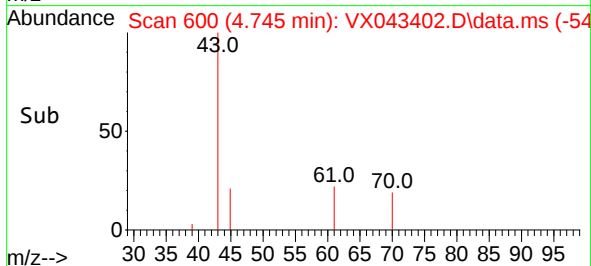
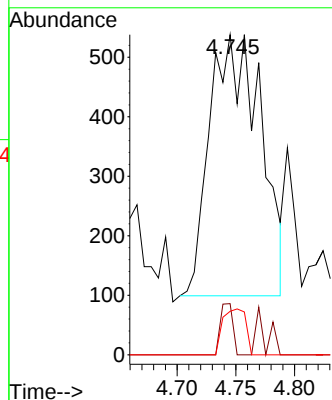
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	1325
Ion	Ratio	Lower	Upper
43	100		
61	4.8	11.0	16.4#
70	7.8	8.9	13.3#



#38

Carbon Tetrachloride

Concen: 5.921 ug/l

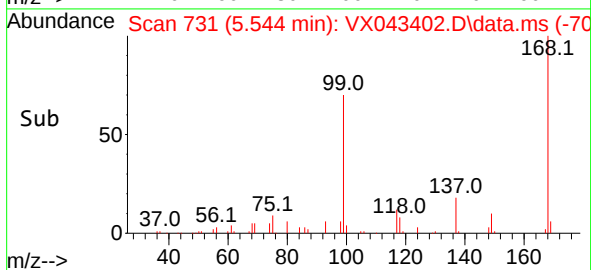
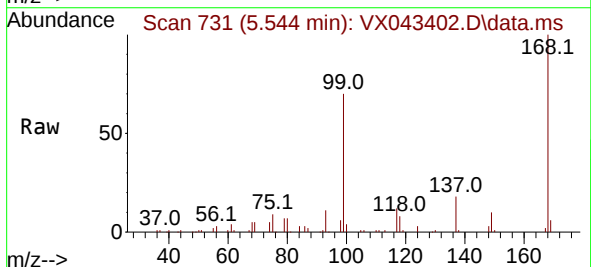
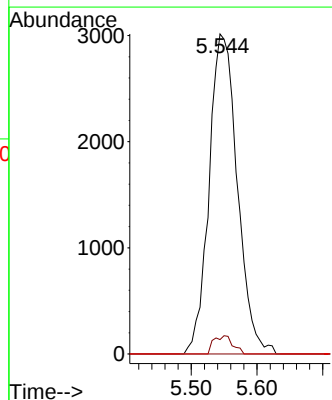
RT: 5.544 min Scan# 731

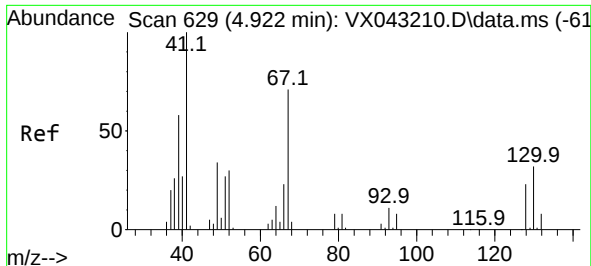
Delta R.T. -0.128 min

Lab File: VX043402.D

Acq: 15 Oct 2024 01:56 pm

Tgt Ion:	117	Resp:	9021
Ion	Ratio	Lower	Upper
117	100		
119	4.5	77.7	116.5#
121	0.0	24.3	36.5#

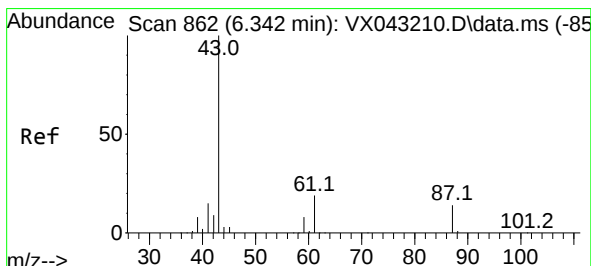
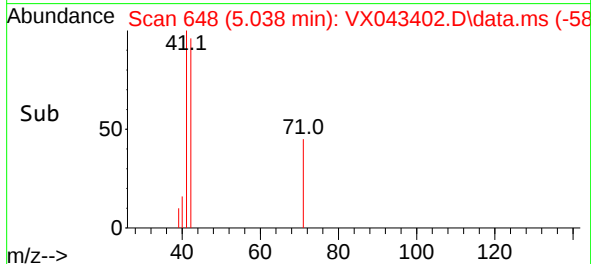
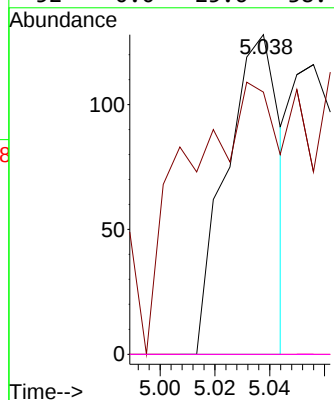
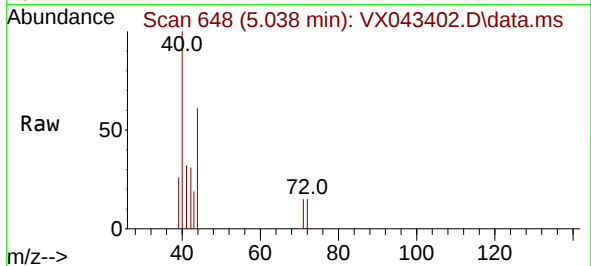




#41
Methacrylonitrile
Concen: 0.216 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56 pm

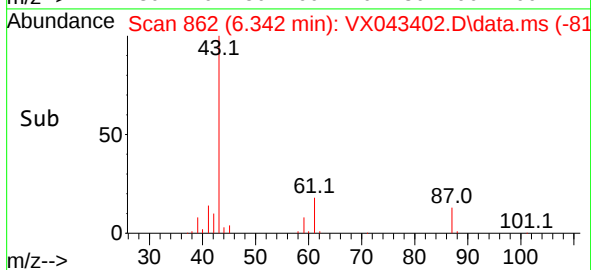
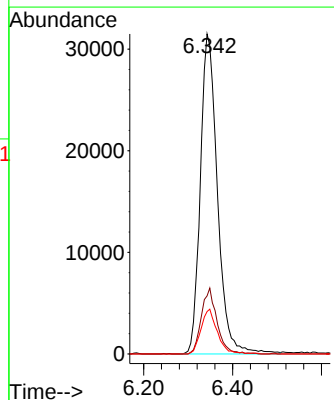
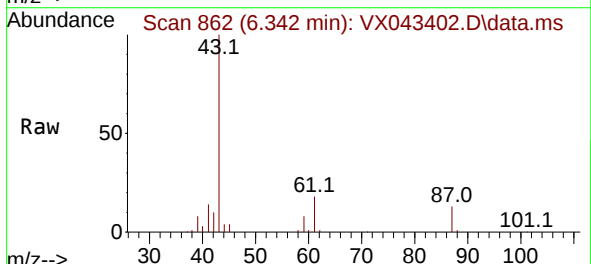
Instrument :
MSVOA_X
ClientSampleId :

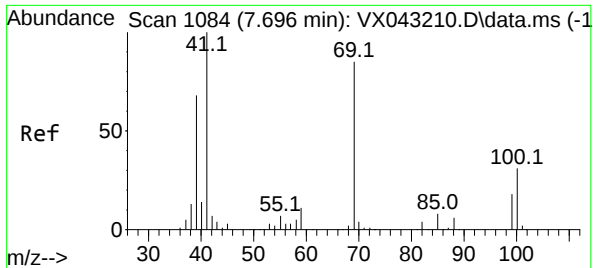
Tgt Ion: 41	Resp: 174
Ion Ratio	Lower Upper
41 100	
39 154.6	45.0 67.4#
67 0.0	56.0 84.0#
52 0.0	25.6 38.4#



#43
Isopropyl Acetate
Concen: 33.144 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56 pm

Tgt Ion: 43	Resp: 84610
Ion Ratio	Lower Upper
43 100	
61 18.8	15.1 22.7
87 13.2	10.8 16.2

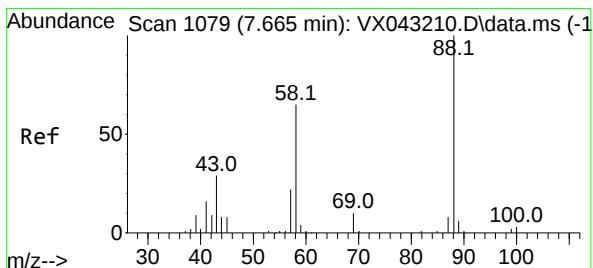
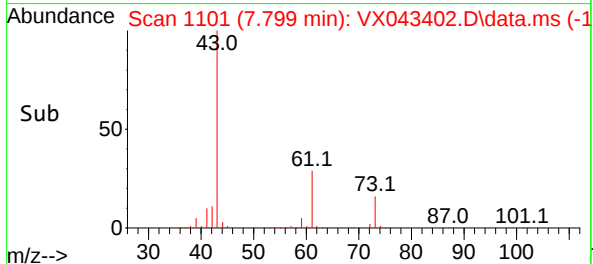
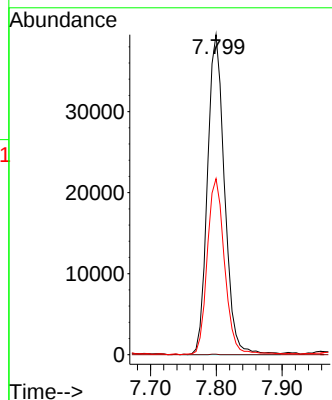
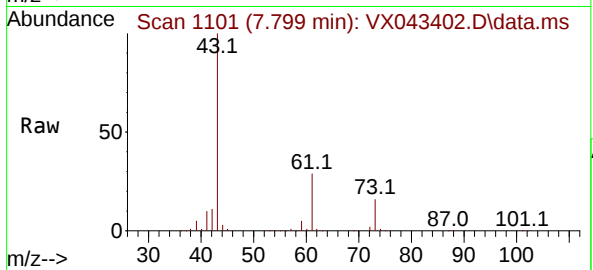




#48
Methyl methacrylate
Concen: 56.952 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56

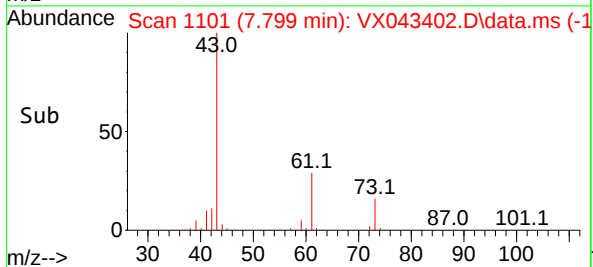
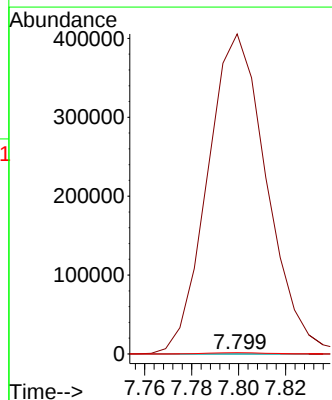
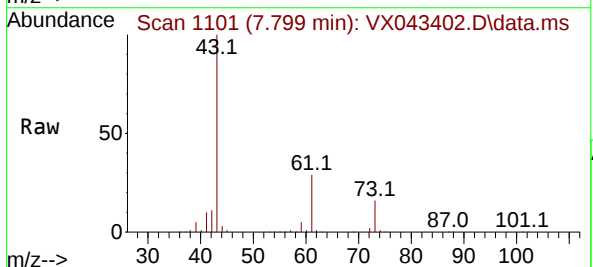
Instrument :
MSVOA_X
ClientSampleId :

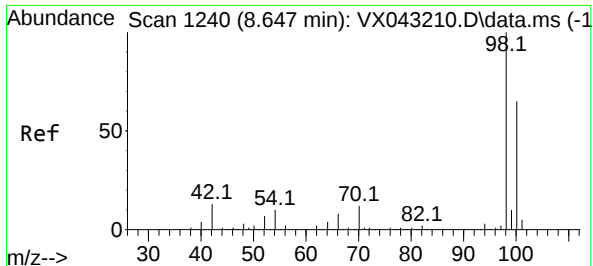
Tgt Ion: 41 Resp: 71336
Ion Ratio Lower Upper
41 100
69 0.1 64.1 96.1#
39 56.1 52.8 79.2



#49
1,4-Dioxane
Concen: 4.395 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56 pm

Tgt Ion: 88 Resp: 107
Ion Ratio Lower Upper
88 100
43 677176.6 29.5 44.3#
58 2750.5 55.2 82.8#





#50

Toluene-d8

Concen: 48.803 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043402.D

Acq: 15 Oct 2024 01:56

Instrument :

MSVOA_X

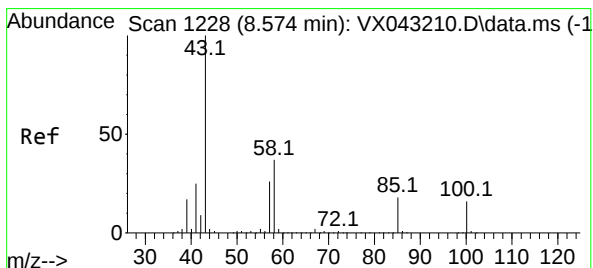
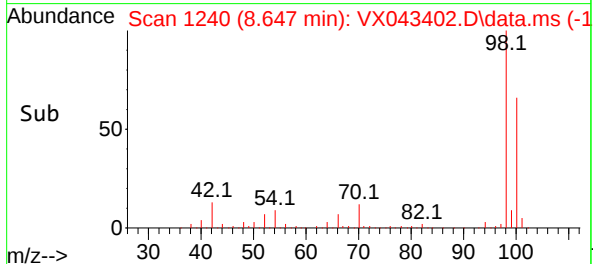
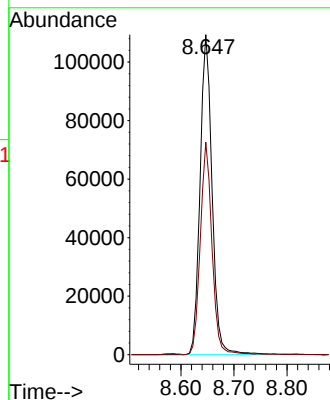
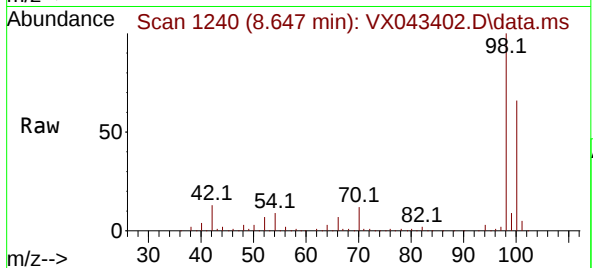
ClientSampleId :

Tgt Ion: 98 Resp: 172298

Ion Ratio Lower Upper

98 100

100 64.8 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 41.820 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX043402.D

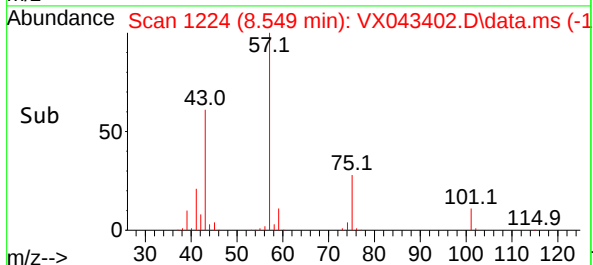
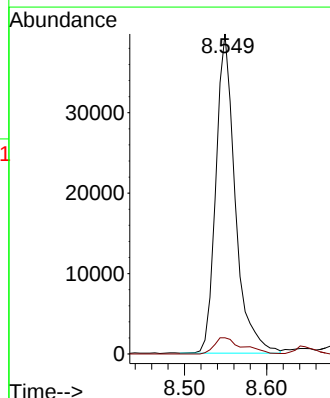
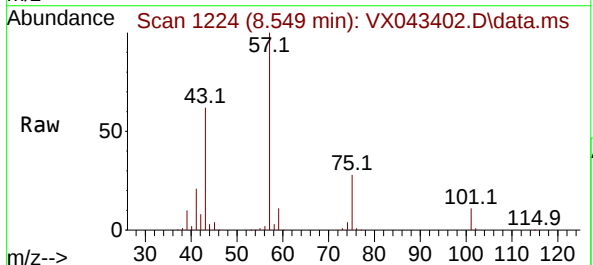
Acq: 15 Oct 2024 01:56 pm

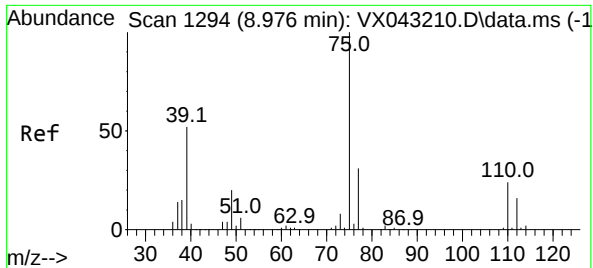
Tgt Ion: 43 Resp: 64841

Ion Ratio Lower Upper

43 100

58 7.5 30.0 45.0#





#53

t-1,3-Dichloropropene

Concen: 0.323 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX043402.D

Acq: 15 Oct 2024 01:56

Instrument :

MSVOA_X

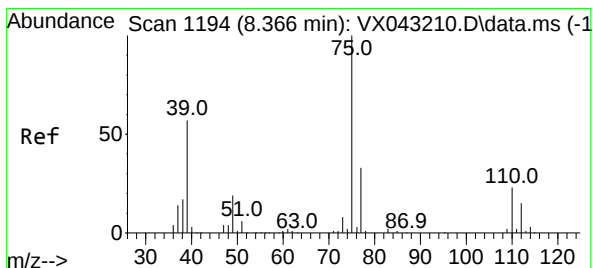
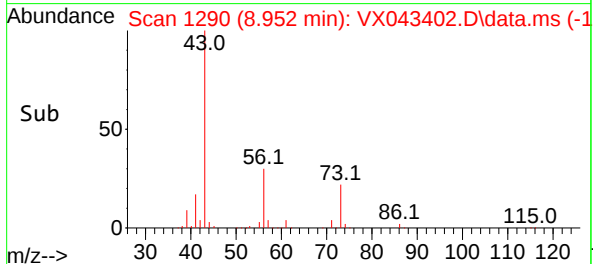
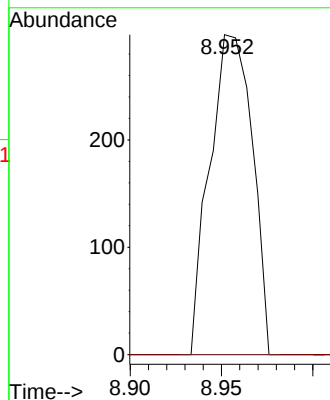
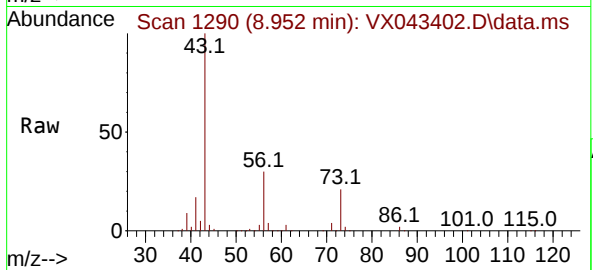
ClientSampleId :

Tgt Ion: 75 Resp: 484

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 17.660 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX043402.D

Acq: 15 Oct 2024 01:56 pm

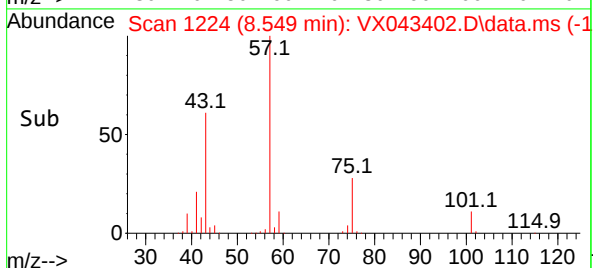
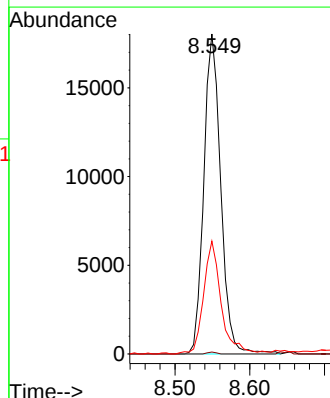
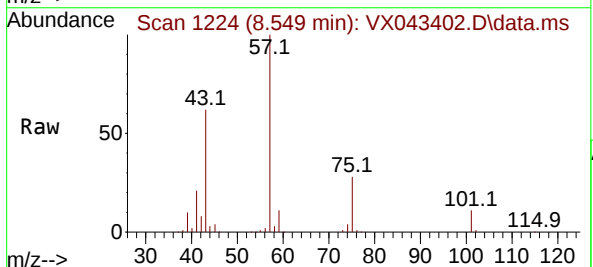
Tgt Ion: 75 Resp: 28394

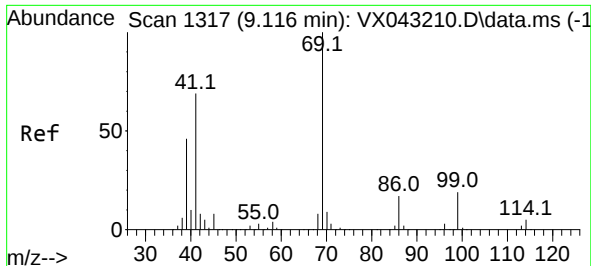
Ion Ratio Lower Upper

75 100

77 0.6 26.0 39.0#

39 34.8 45.8 68.8#





#56

Ethyl methacrylate

Concen: 0.292 ug/l

RT: 9.250 min Scan# 1339

Delta R.T. 0.134 min

Lab File: VX043402.D

Acq: 15 Oct 2024 01:56

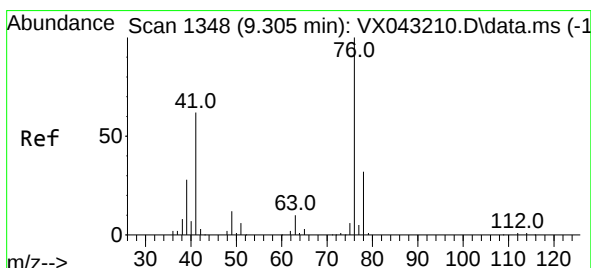
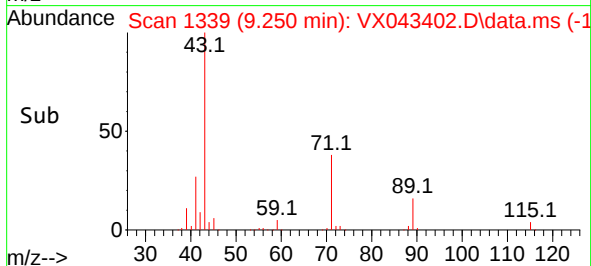
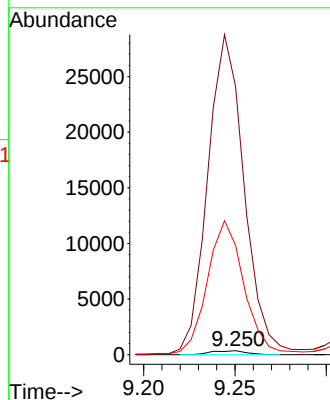
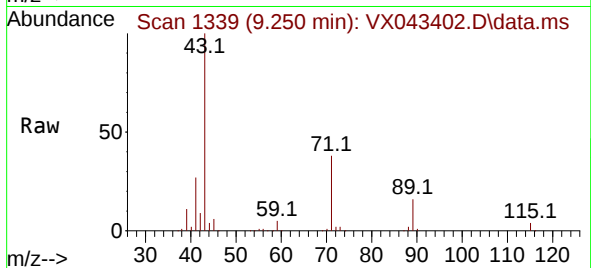
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 69 Resp: 464

Ion	Ratio	Lower	Upper
69	100		
41	8649.4	56.1	84.1#
39	3687.5	36.4	54.6#



#57

1,3-Dichloropropane

Concen: 2.163 ug/l

RT: 9.482 min Scan# 1377

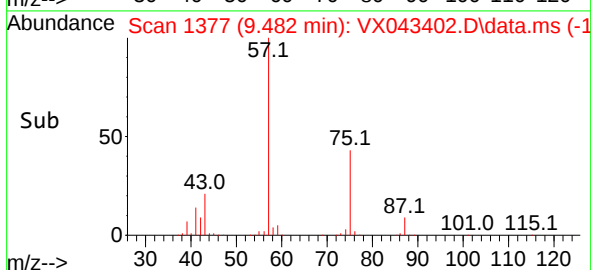
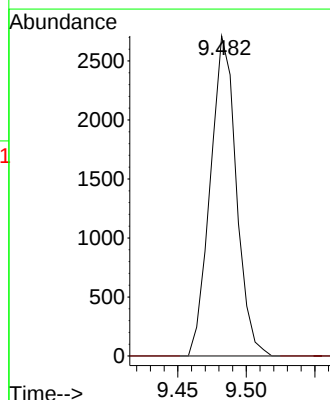
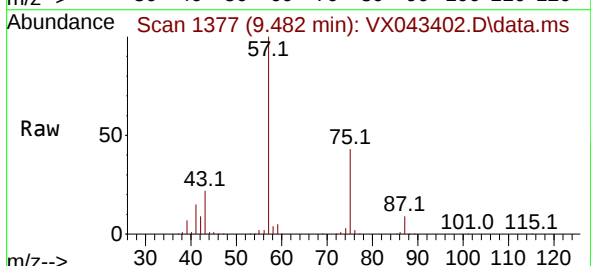
Delta R.T. 0.177 min

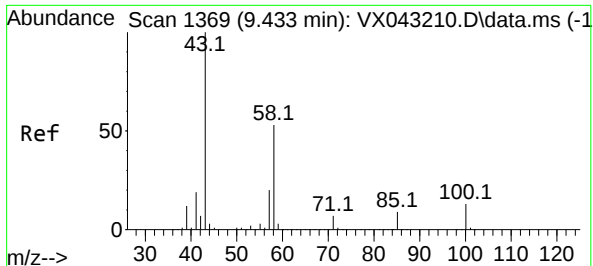
Lab File: VX043402.D

Acq: 15 Oct 2024 01:56 pm

Tgt Ion: 76 Resp: 3580

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.7	38.5#

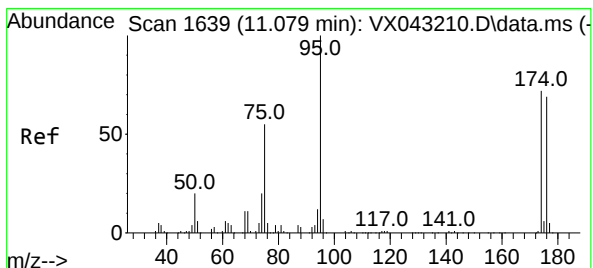
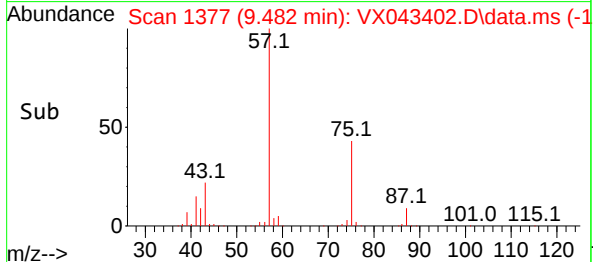
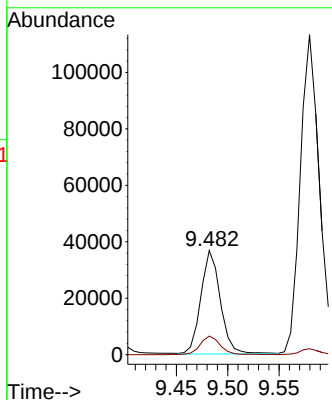
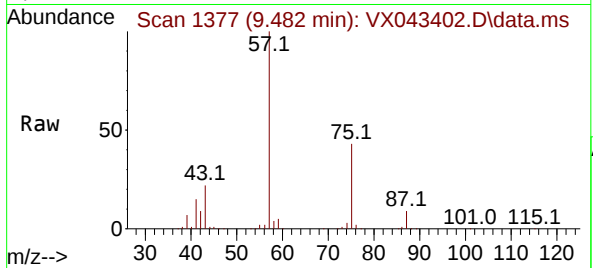




#59
2-Hexanone
Concen: 41.646 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56

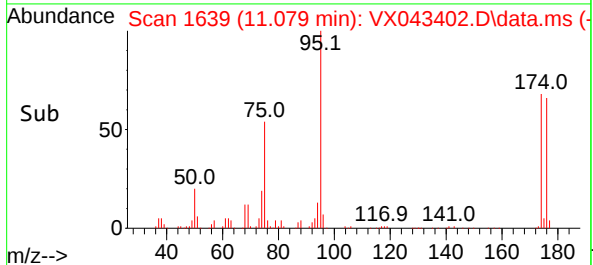
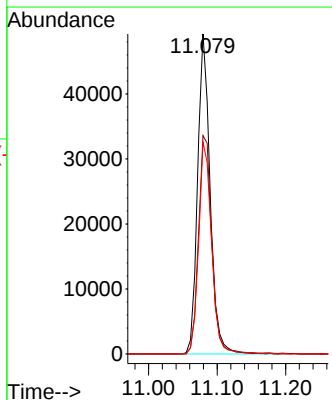
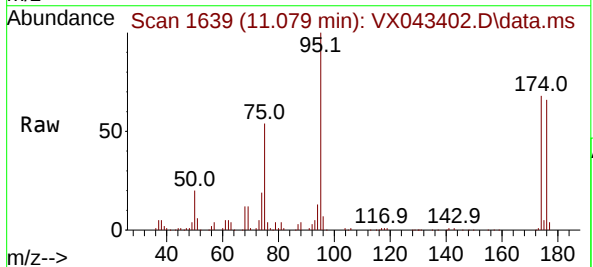
Instrument :
MSVOA_X
ClientSampleId :

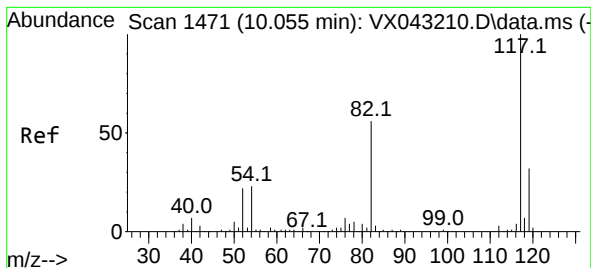
Tgt Ion: 43 Resp: 48829
Ion Ratio Lower Upper
43 100
58 18.7 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 48.991 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56 pm

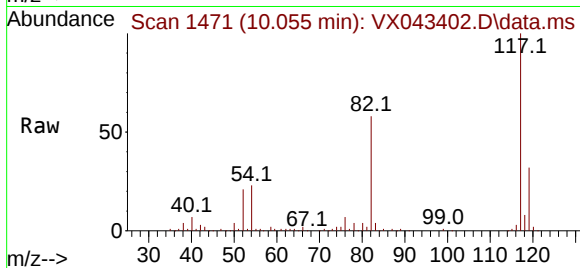
Tgt Ion: 95 Resp: 62836
Ion Ratio Lower Upper
95 100
174 72.3 0.0 145.0
176 68.3 0.0 143.0



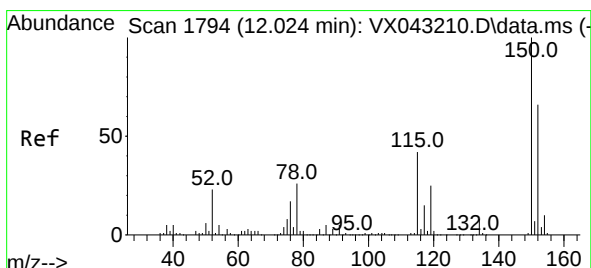
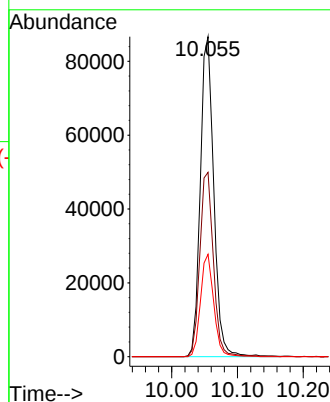
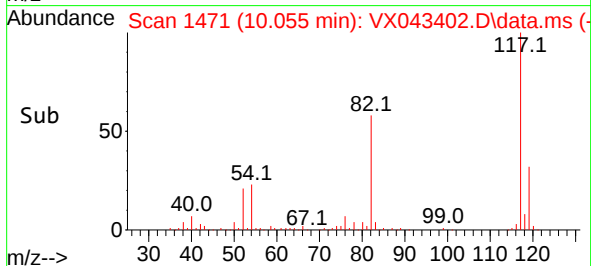


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56

Instrument :
MSVOA_X
ClientSampleId :

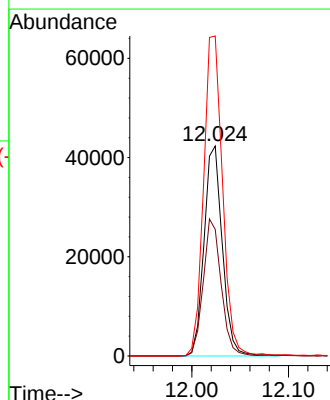
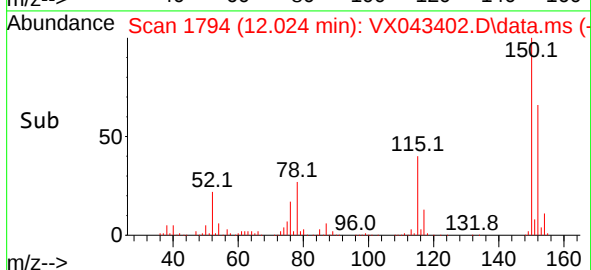
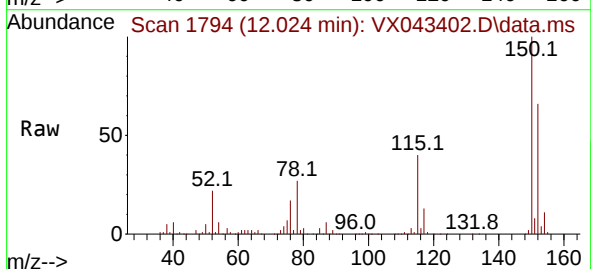


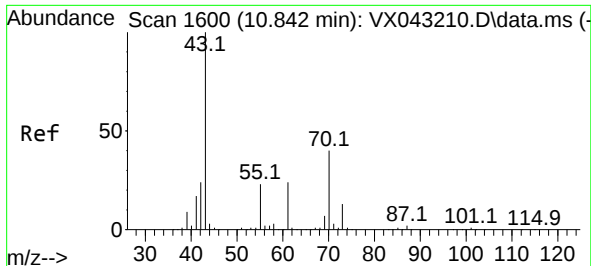
Tgt Ion:117 Resp: 123395
Ion Ratio Lower Upper
117 100
82 57.6 45.0 67.6
119 32.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56 pm

Tgt Ion:152 Resp: 55778
Ion Ratio Lower Upper
152 100
115 64.3 44.1 132.3
150 158.2 0.0 347.4

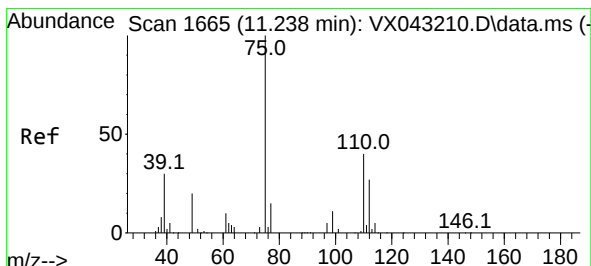
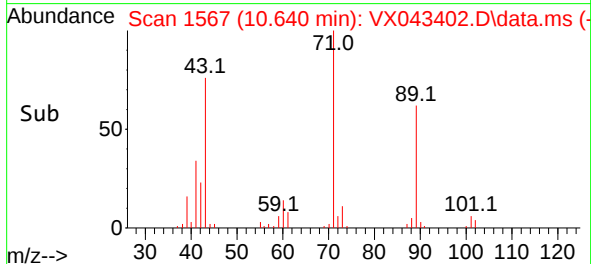
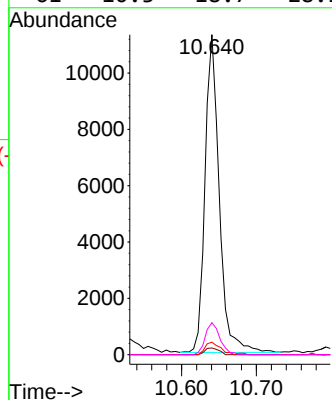
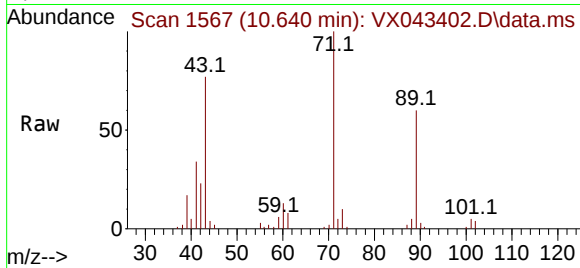




#74
N-amy1 acetate
Concen: 7.256 ug/l
RT: 10.640 min Scan# 1637
Delta R.T. -0.201 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56 pm

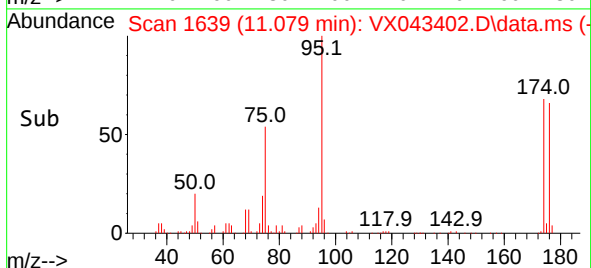
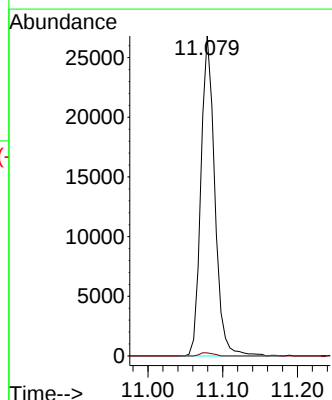
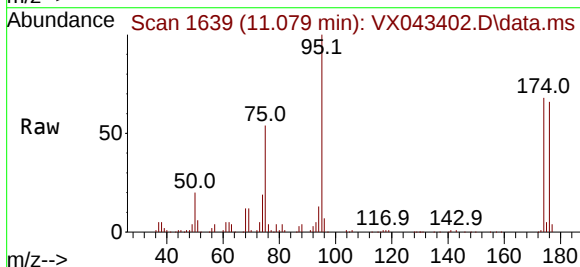
Instrument :
MSVOA_X
ClientSampleId :

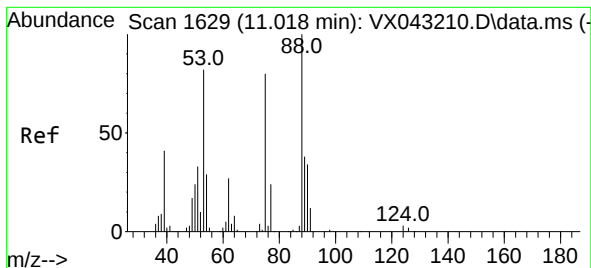
Tgt Ion: 43 Resp: 14937
Ion Ratio Lower Upper
43 100
70 2.0 33.1 49.7#
55 4.1 18.6 27.8#
61 10.3 18.7 28.1#



#76
1,2,3-Trichloropropane
Concen: 27.970 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56 pm

Tgt Ion: 75 Resp: 34605
Ion Ratio Lower Upper
75 100
77 1.0 22.0 66.0#

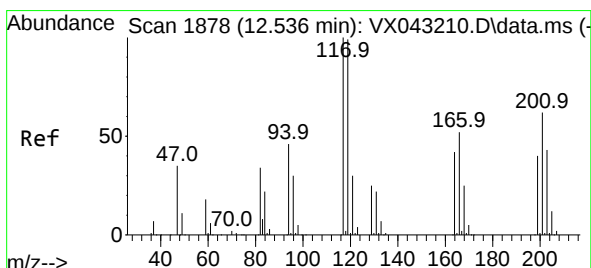
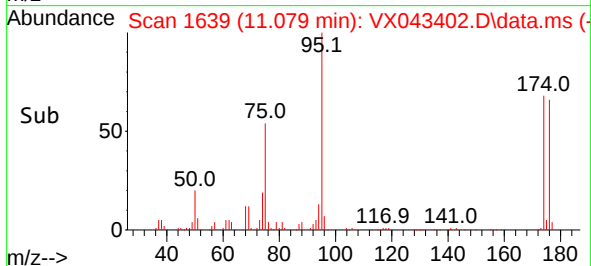
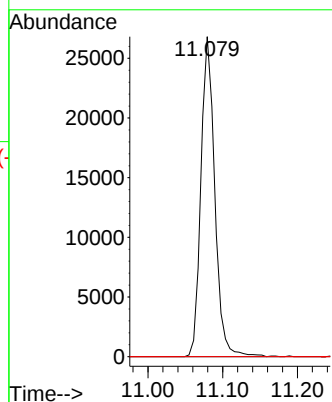
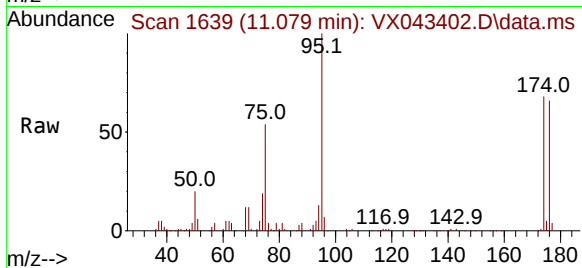




#81
trans-1,4-Dichloro-2-butene
Concen: 72.489 ug/l
RT: 11.079 min Scan# 1104
Delta R.T. 0.061 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56 pm

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 34605
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#



#90
Hexachloroethane
Concen: 0.260 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.158 min
Lab File: VX043402.D
Acq: 15 Oct 2024 01:56 pm

Tgt Ion: 117 Resp: 178
Ion Ratio Lower Upper
117 100
201 0.0 34.0 101.8#

