

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100924\
 Data File : VX043341.D
 Acq On : 09 Oct 2024 15:54
 Operator : JC/MD
 Sample : PB163972ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 01:33:36 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)

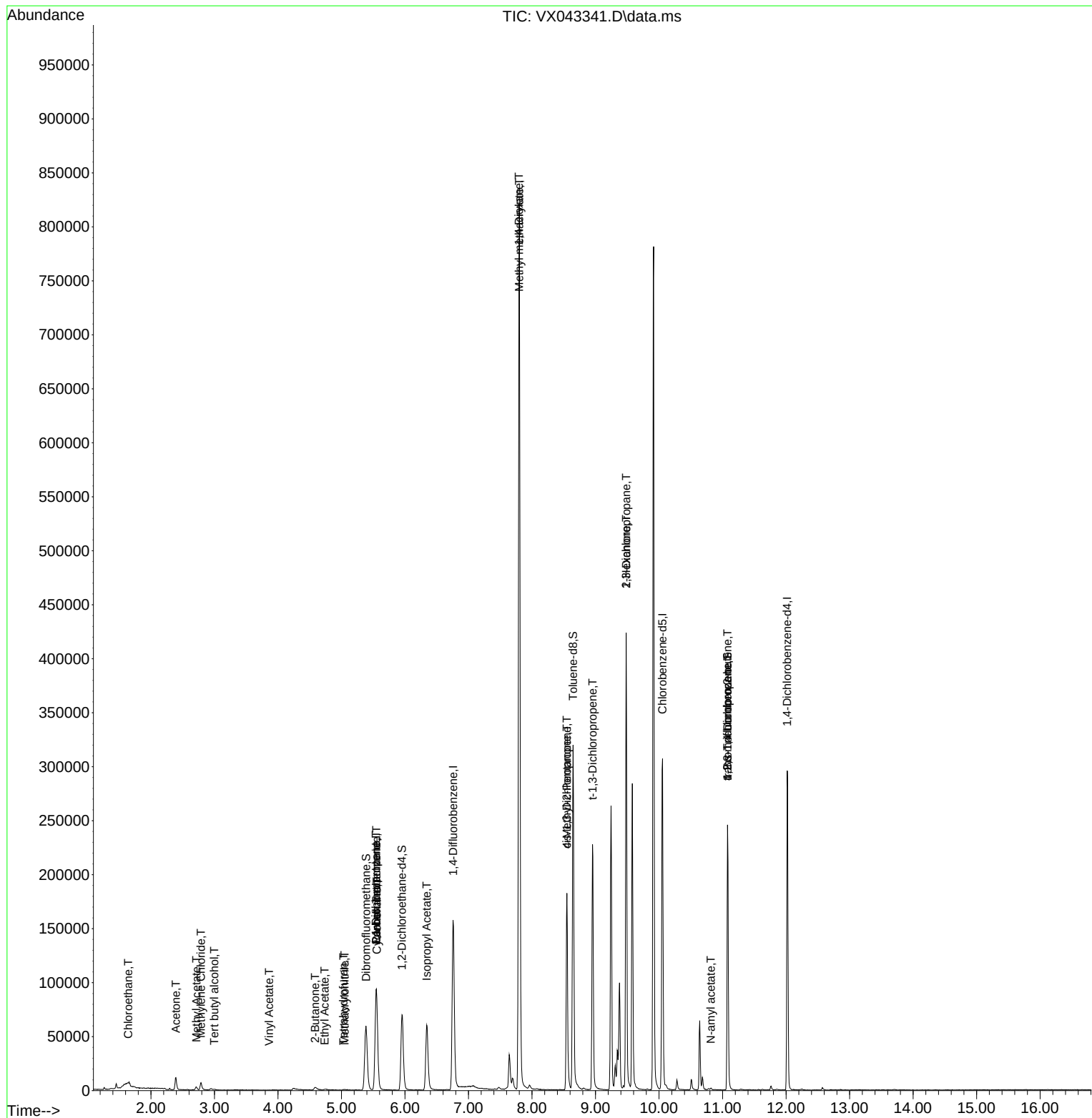
Internal Standards						
1) Pentafluorobenzene	5.550	168	85176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	158460	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72017	51.772	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.540%			
35) Dibromofluoromethane	5.385	113	51577	47.197	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.400%			
50) Toluene-d8	8.647	98	185746	49.047	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.100%			
62) 4-Bromofluorobenzene	11.079	95	67586	49.124	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.240%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.642	64	87	0.229	ug/l #	42
11) Tert butyl alcohol	2.995	59	918	3.468	ug/l #	77
16) Acetone	2.392	43	14358	24.716	ug/l	98
18) Methyl Acetate	2.715	43	4021	2.759	ug/l	96
20) Methylene Chloride	2.788	84	3418	3.191	ug/l	93
23) Vinyl Acetate	3.861	43	48	6.353	ug/l #	71
25) 2-Butanone	4.587	43	6002	7.535	ug/l	96
29) Tetrahydrofuran	5.032	42	282	0.556	ug/l #	31
31) Cyclohexane	5.556	56	2010	1.339	ug/l #	41
36) 1,1-Dichloropropene	5.544	75	7543	5.464	ug/l #	51
37) Ethyl Acetate	4.733	43	594	0.358	ug/l #	92
38) Carbon Tetrachloride	5.550	117	9684	5.925	ug/l #	16
41) Methacrylonitrile	5.050	41	311	0.360	ug/l #	35
43) Isopropyl Acetate	6.342	43	85896	31.368	ug/l	100
48) Methyl methacrylate	7.799	41	75045	55.853	ug/l #	45
49) 1,4-Dioxane	7.793	88	82	3.140	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	67797	40.764	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	443	0.275	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28725	16.655	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	3470	1.954	ug/l #	43
59) 2-Hexanone	9.482	43	52049	41.384	ug/l #	52
74) N-amyl acetate	10.817	43	593	0.270	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	36659	27.726	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	36659	71.857	ug/l #	8

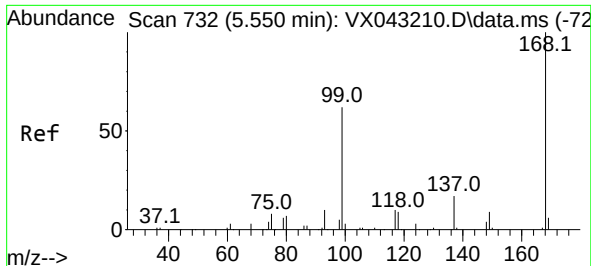
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Oct 10 01:33:36 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



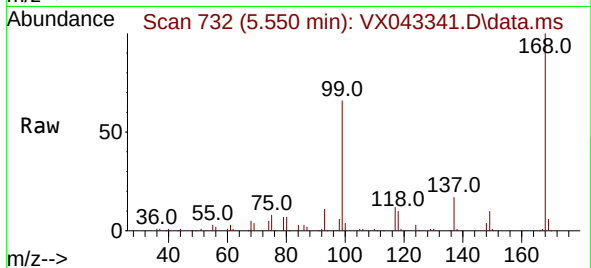


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54

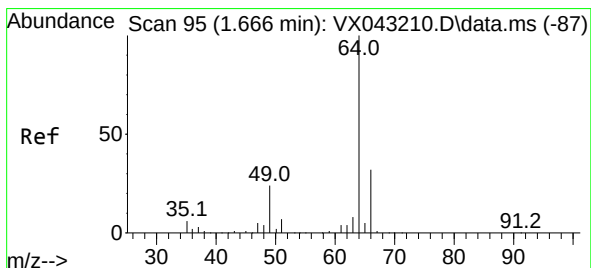
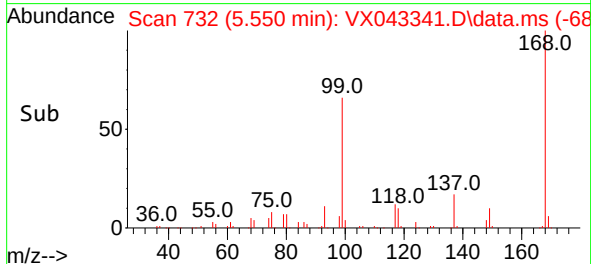
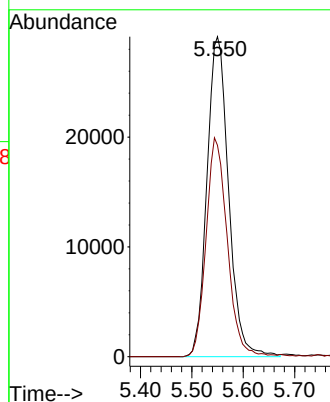
Instrument :

MSVOA_X

ClientSampleId :

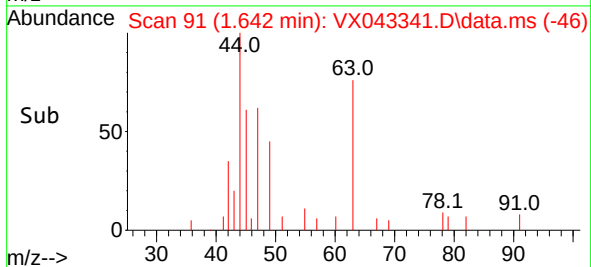
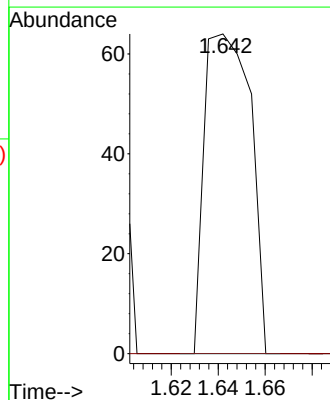
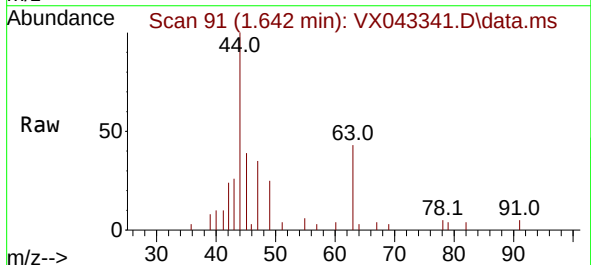


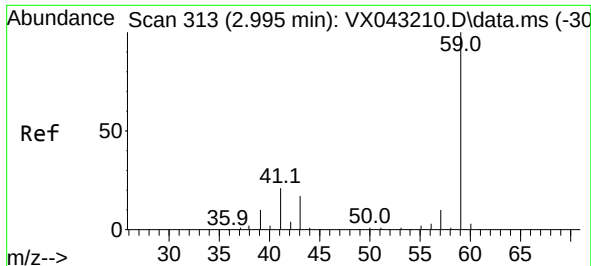
Tgt Ion:168 Resp: 85176
Ion Ratio Lower Upper
168 100
99 66.1 49.7 74.5



#6
Chloroethane
Concen: 0.229 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54

Tgt Ion: 64 Resp: 87
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#





#11

Tert butyl alcohol

Concen: 3.468 ug/l

RT: 2.995 min Scan# 313

Delta R.T. 0.000 min

Lab File: VX043341.D

Acq: 09 Oct 2024 15:54

Instrument :

MSVOA_X

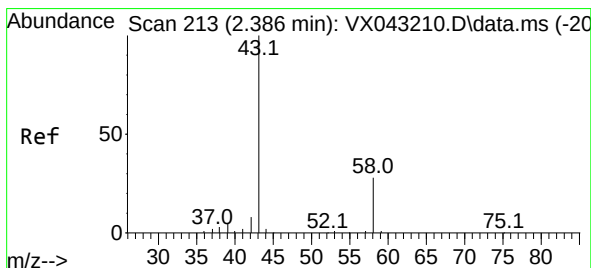
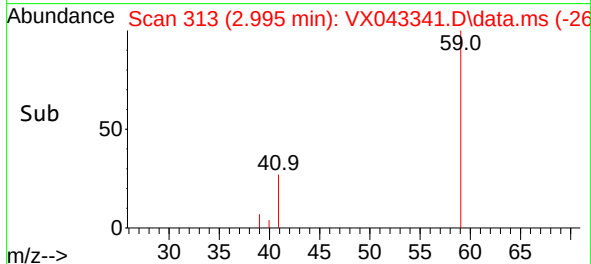
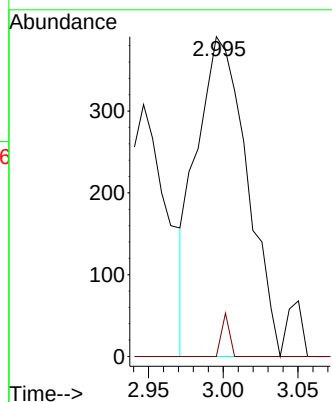
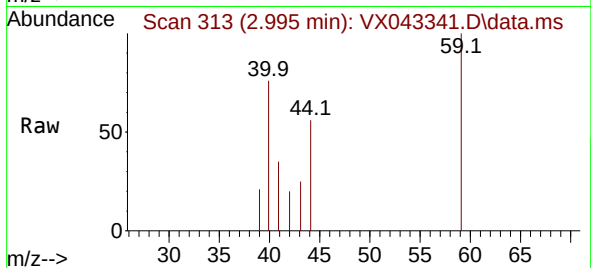
ClientSampleId :

Tgt Ion: 59 Resp: 918

Ion Ratio Lower Upper

59 100

57 2.1 8.6 13.0#



#16

Acetone

Concen: 24.716 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX043341.D

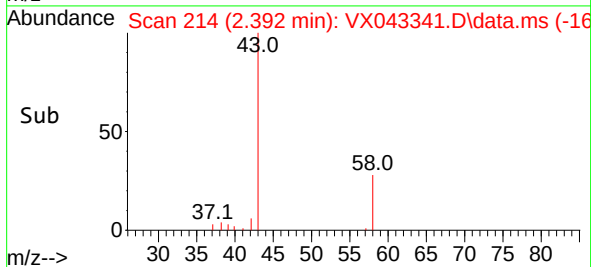
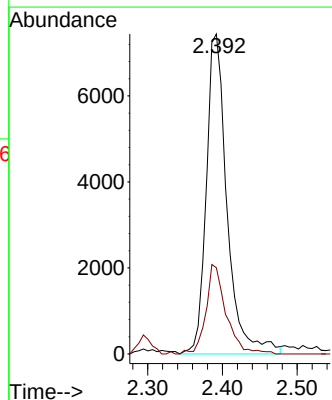
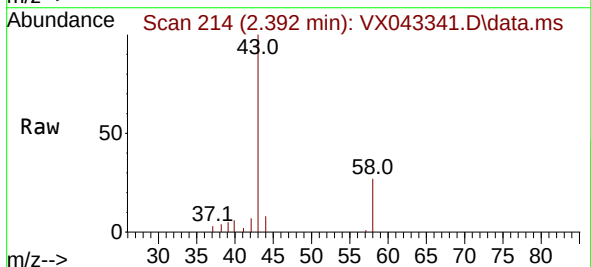
Acq: 09 Oct 2024 15:54

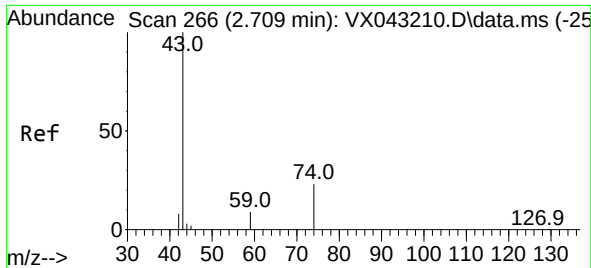
Tgt Ion: 43 Resp: 14358

Ion Ratio Lower Upper

43 100

58 27.0 22.6 33.8

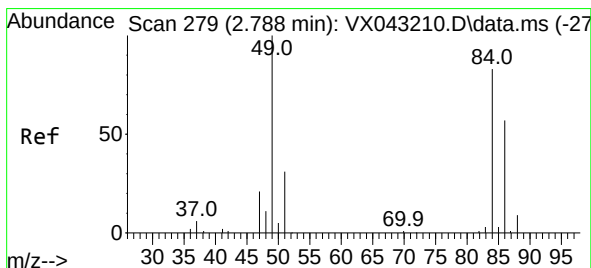
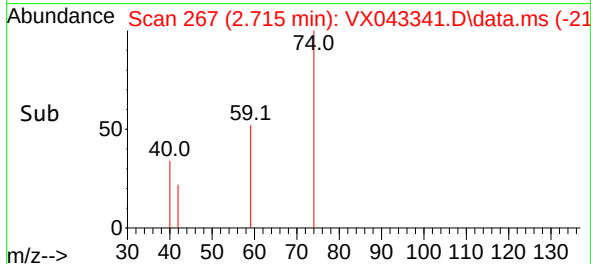
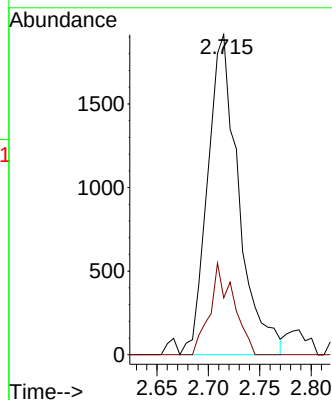
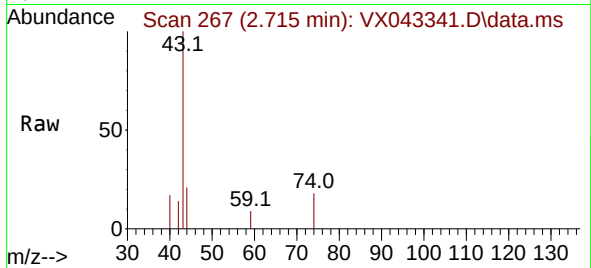




#18
Methyl Acetate
Concen: 2.759 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54

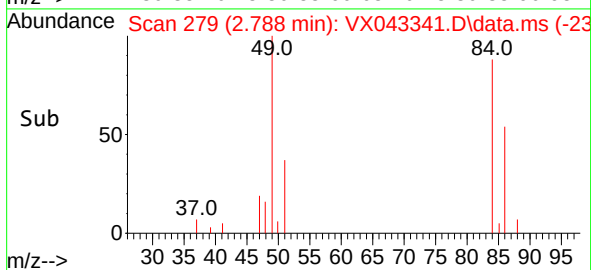
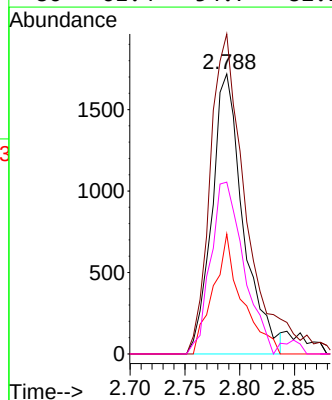
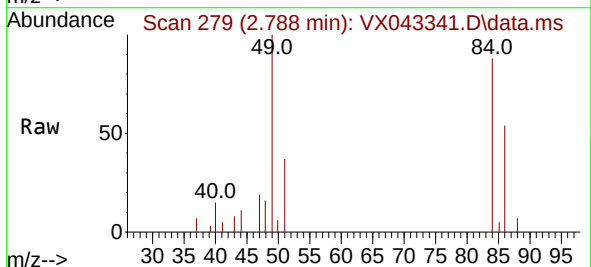
Instrument :
MSVOA_X
ClientSampleId :

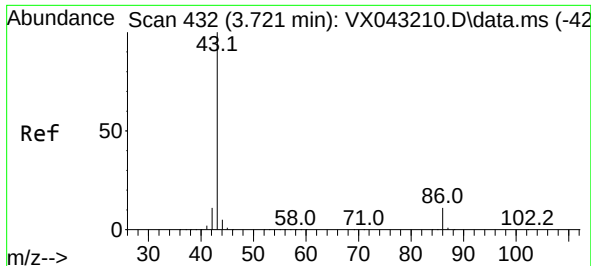
Tgt Ion: 43 Resp: 4021
Ion Ratio Lower Upper
43 100
74 21.8 19.1 28.7



#20
Methylene Chloride
Concen: 3.191 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54

Tgt Ion: 84 Resp: 3418
Ion Ratio Lower Upper
84 100
49 114.3 96.7 145.1
51 42.8 30.4 45.6
86 61.4 54.7 82.1

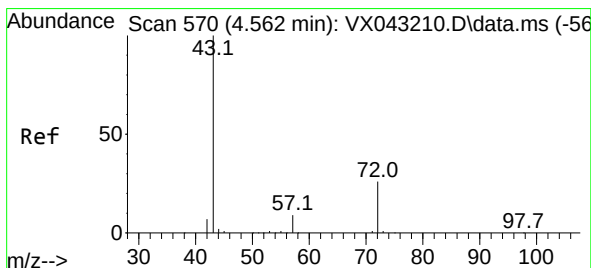
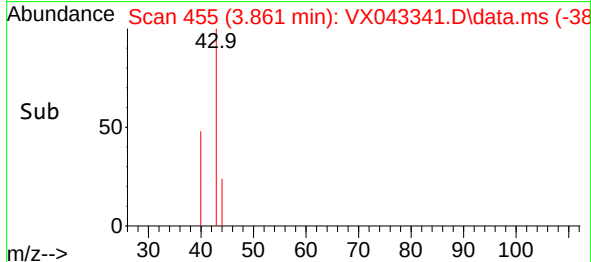
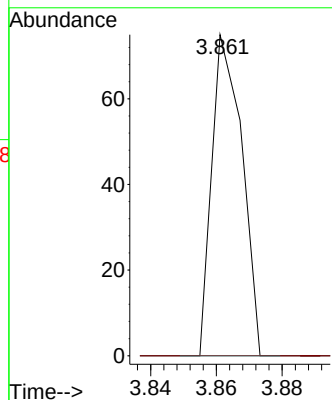
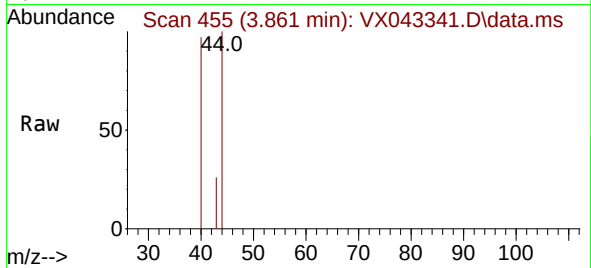




#23
 Vinyl Acetate
 Concen: 6.353 ug/l
 RT: 3.861 min Scan# 41
 Delta R.T. 0.140 min
 Lab File: VX043341.D
 Acq: 09 Oct 2024 15:54

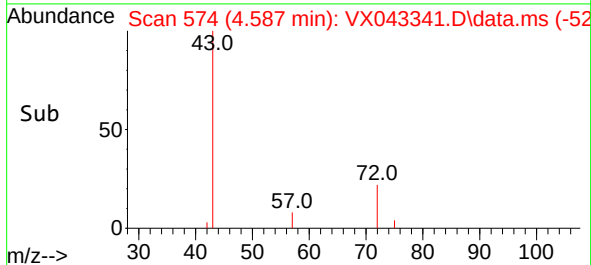
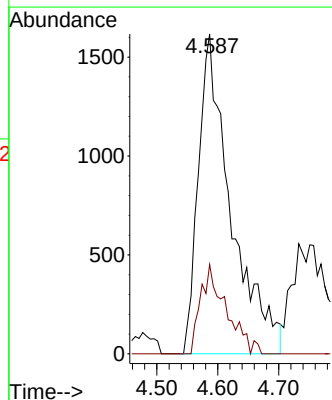
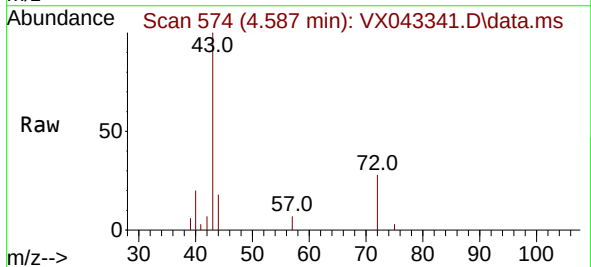
Instrument :
 MSVOA_X
 ClientSampleId :

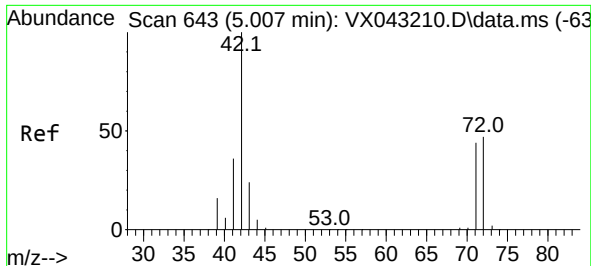
Tgt Ion: 43 Resp: 48
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 7.535 ug/l
 RT: 4.587 min Scan# 574
 Delta R.T. 0.025 min
 Lab File: VX043341.D
 Acq: 09 Oct 2024 15:54

Tgt Ion: 43 Resp: 6002
 Ion Ratio Lower Upper
 43 100
 72 28.0 20.6 31.0





#29

Tetrahydrofuran

Concen: 0.556 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX043341.D

Acq: 09 Oct 2024 15:54

Instrument :

MSVOA_X

ClientSampleId :

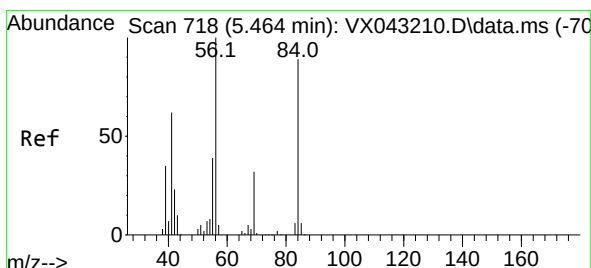
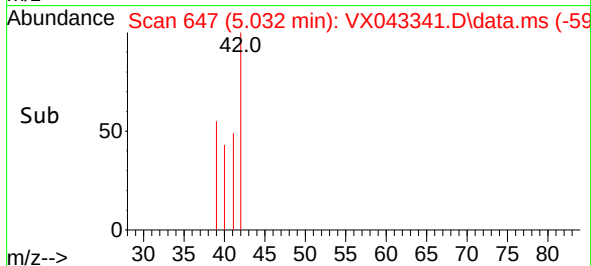
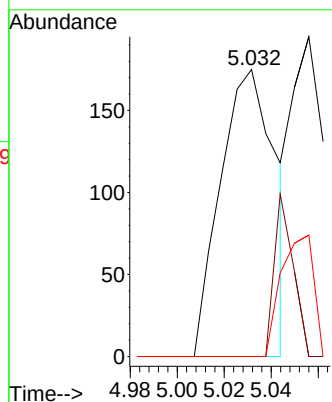
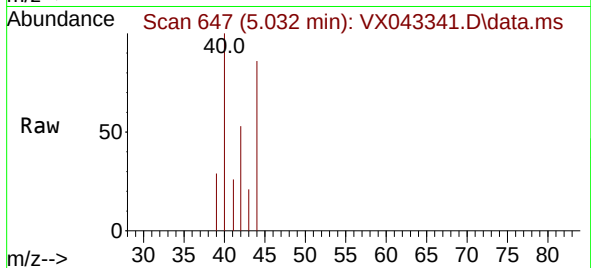
Tgt Ion: 42 Resp: 282

Ion Ratio Lower Upper

42 100

72 0.0 37.7 56.5#

71 0.0 34.6 52.0#



#31

Cyclohexane

Concen: 1.339 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX043341.D

Acq: 09 Oct 2024 15:54

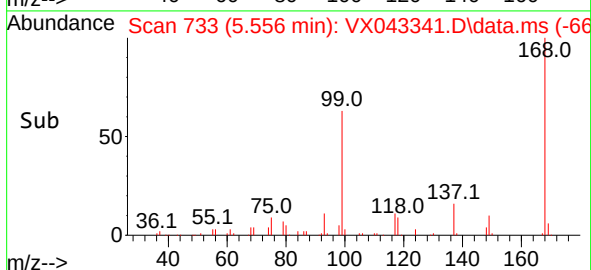
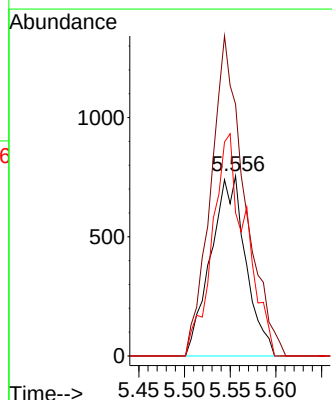
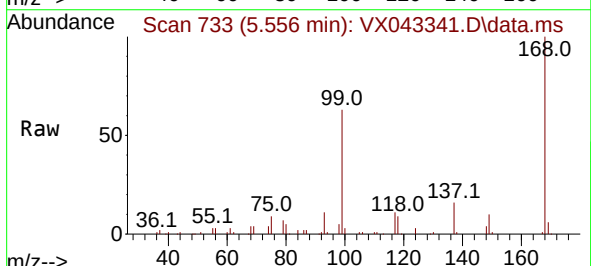
Tgt Ion: 56 Resp: 2010

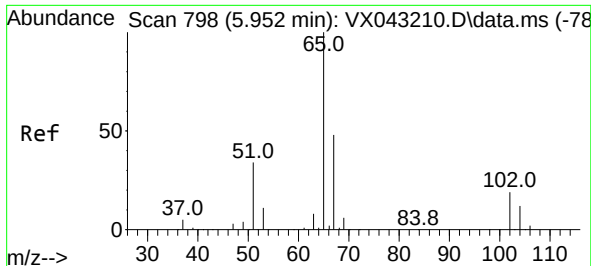
Ion Ratio Lower Upper

56 100

69 139.9 25.8 38.6#

84 79.6 71.1 106.7





#33

1,2-Dichloroethane-d4

Concen: 51.772 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043341.D

Acq: 09 Oct 2024 15:54

Instrument :

MSVOA_X

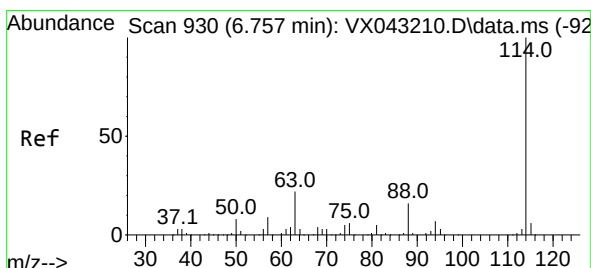
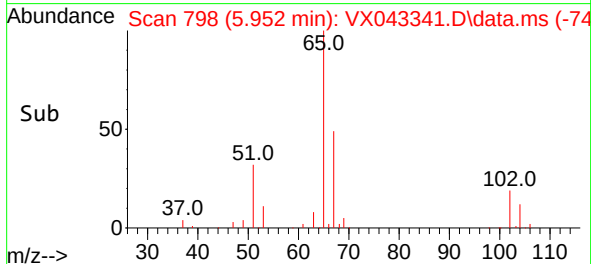
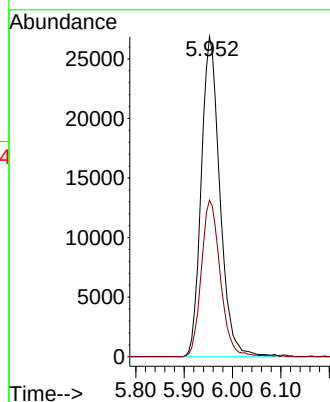
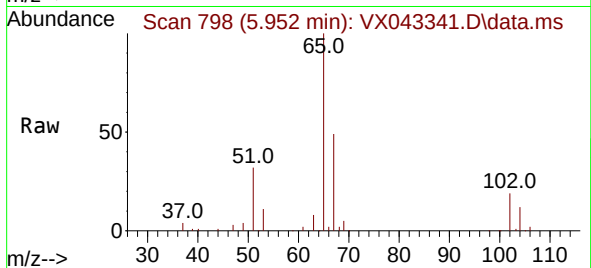
ClientSampleId :

Tgt Ion: 65 Resp: 72017

Ion Ratio Lower Upper

65 100

67 49.8 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: VX043341.D

Acq: 09 Oct 2024 15:54

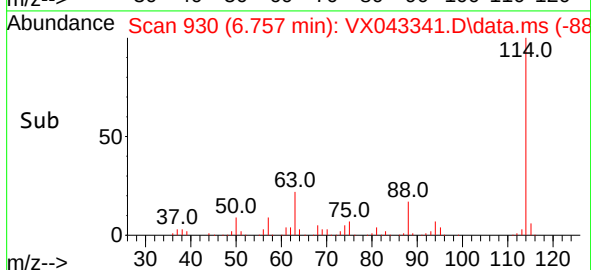
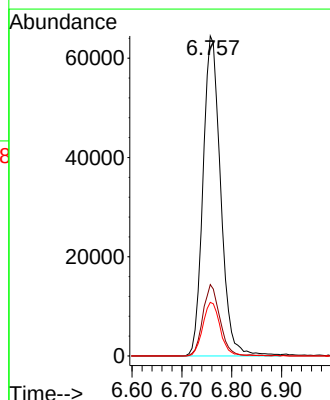
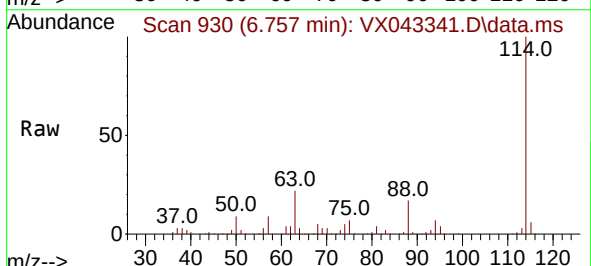
Tgt Ion: 114 Resp: 158460

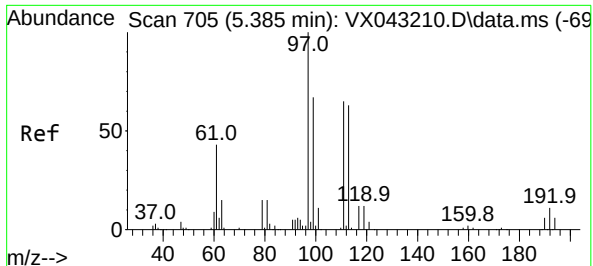
Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.0

88 16.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.197 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

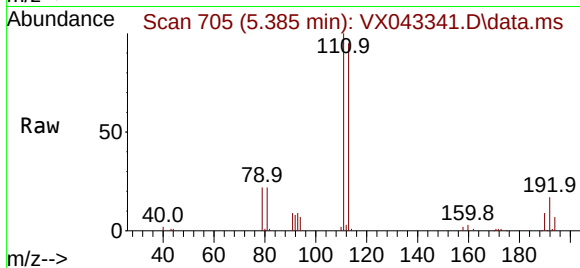
Lab File: VX043341.D

Acq: 09 Oct 2024 15:54

Instrument :

MSVOA_X

ClientSampleId :



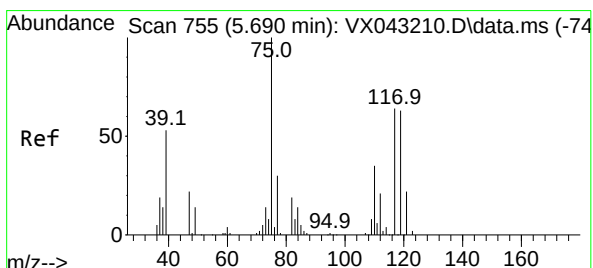
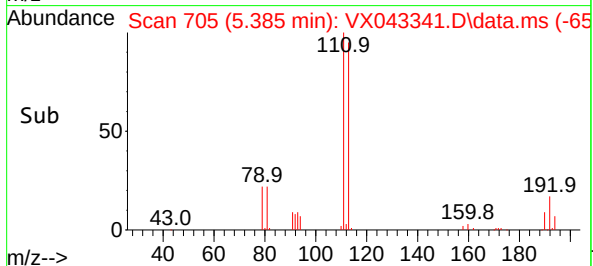
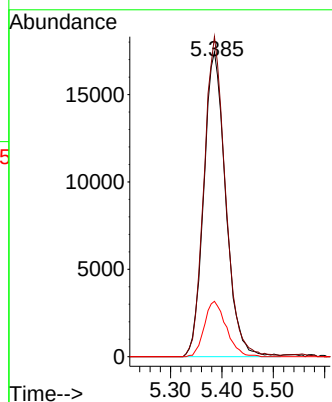
Tgt Ion:113 Resp: 51577

Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.0

192 18.2 14.1 21.1



#36

1,1-Dichloropropene

Concen: 5.464 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX043341.D

Acq: 09 Oct 2024 15:54

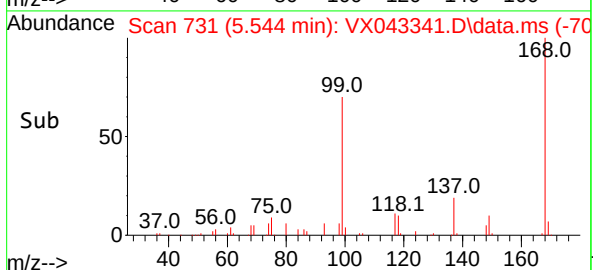
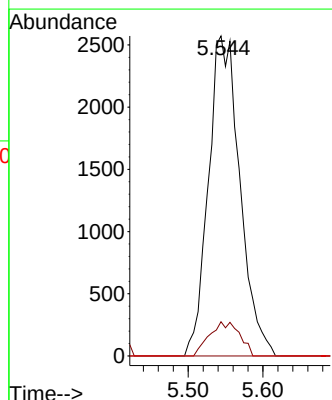
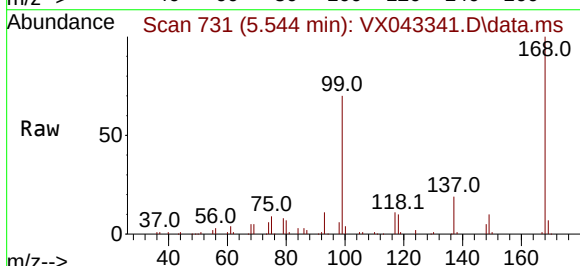
Tgt Ion: 75 Resp: 7543

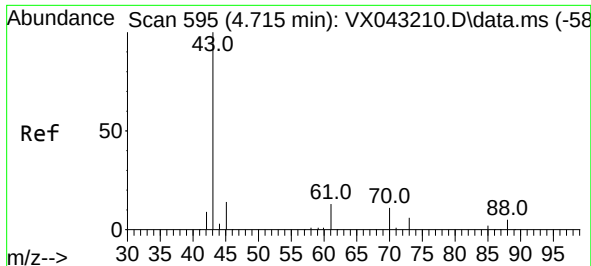
Ion Ratio Lower Upper

75 100

110 10.2 17.8 53.3#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.358 ug/l

RT: 4.733 min Scan# 594

Delta R.T. 0.018 min

Lab File: VX043341.D

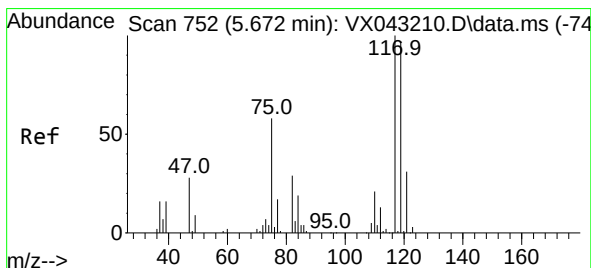
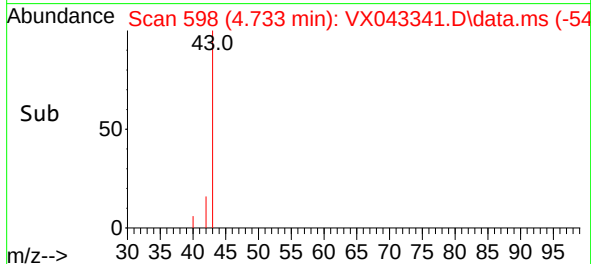
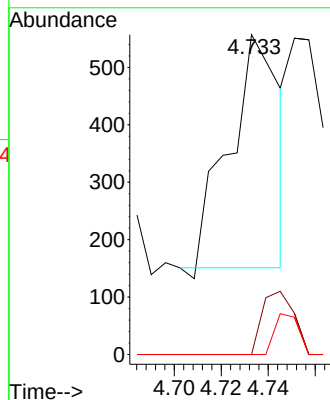
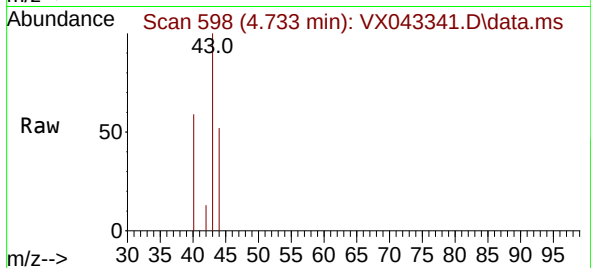
Acq: 09 Oct 2024 15:54

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	594
Ion	Ratio	Lower	Upper
43	100		
61	17.3	11.0	16.4#
70	8.4	8.9	13.3#



#38

Carbon Tetrachloride

Concen: 5.925 ug/l

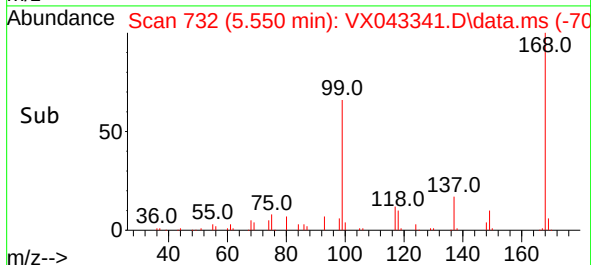
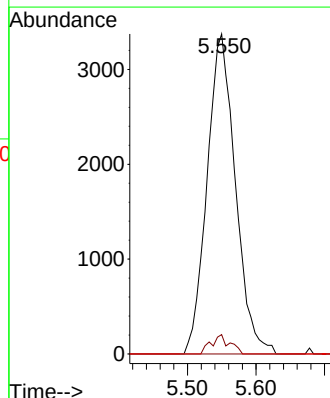
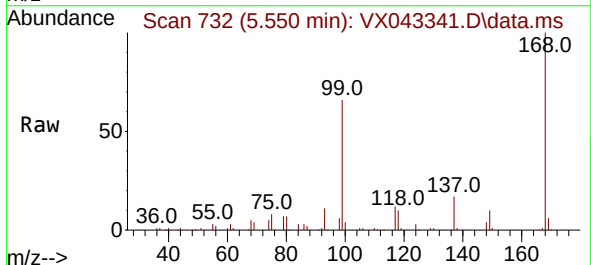
RT: 5.550 min Scan# 732

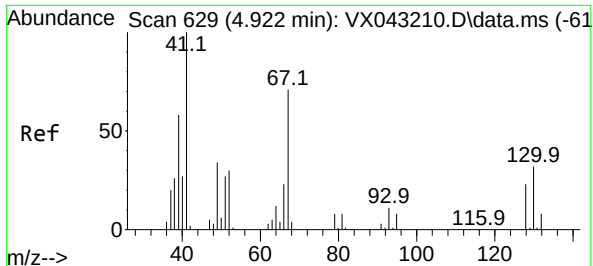
Delta R.T. -0.122 min

Lab File: VX043341.D

Acq: 09 Oct 2024 15:54

Tgt Ion:	117	Resp:	9684
Ion	Ratio	Lower	Upper
117	100		
119	6.1	77.7	116.5#
121	0.0	24.3	36.5#

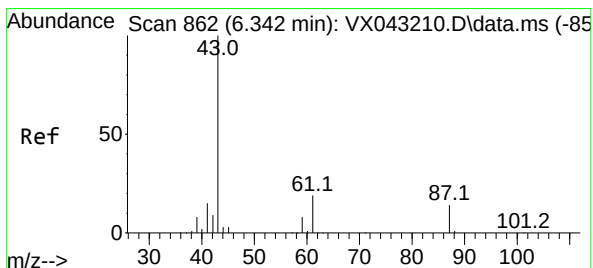
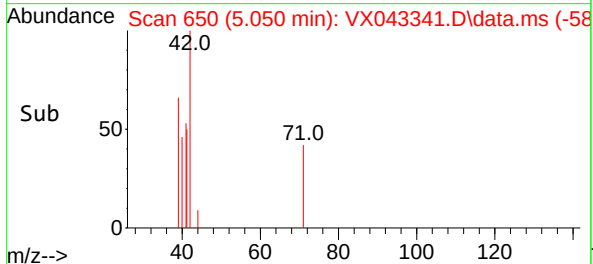
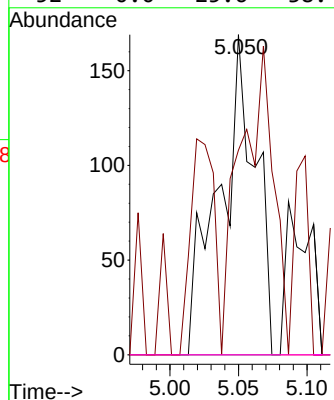
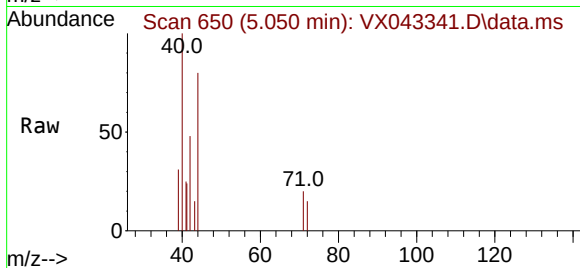




#41
Methacrylonitrile
Concen: 0.360 ug/l
RT: 5.050 min Scan# 611
Delta R.T. 0.128 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54

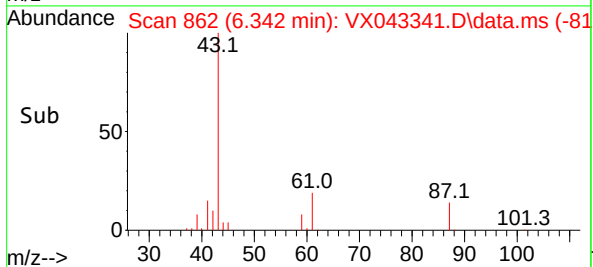
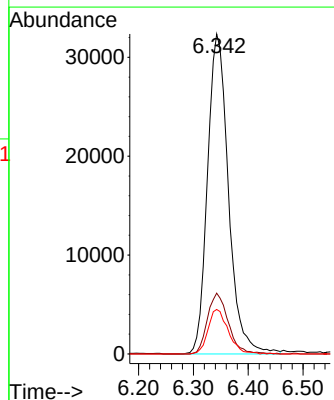
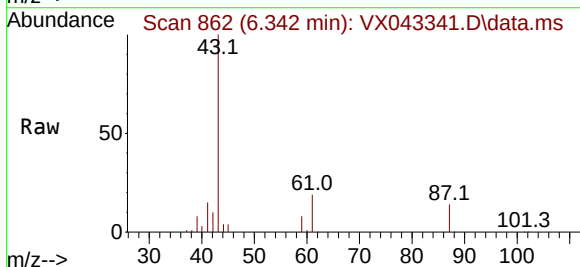
Instrument :
MSVOA_X
ClientSampleId :

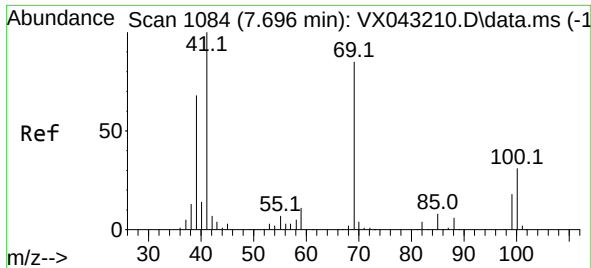
Tgt Ion: 41	Resp:	311
Ion	Ratio	Lower Upper
41	100	
39	88.4	45.0 67.4#
67	0.0	56.0 84.0#
52	0.0	25.6 38.4#



#43
Isopropyl Acetate
Concen: 31.368 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54

Tgt Ion: 43	Resp:	85896
Ion	Ratio	Lower Upper
43	100	
61	18.9	15.1 22.7
87	13.4	10.8 16.2

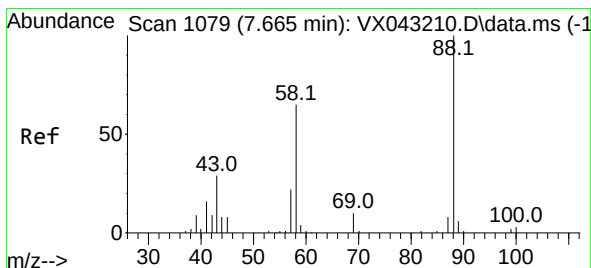
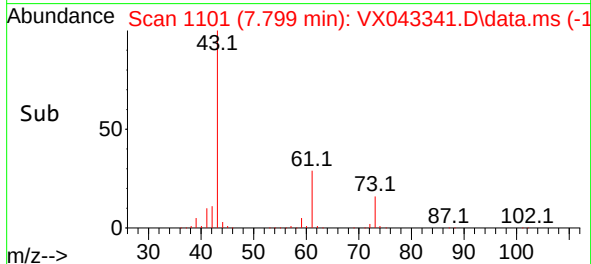
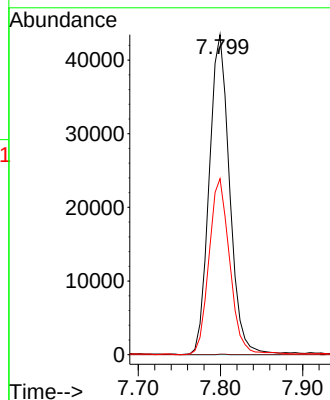
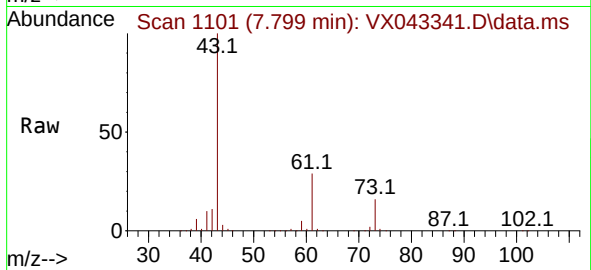




#48
Methyl methacrylate
Concen: 55.853 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54

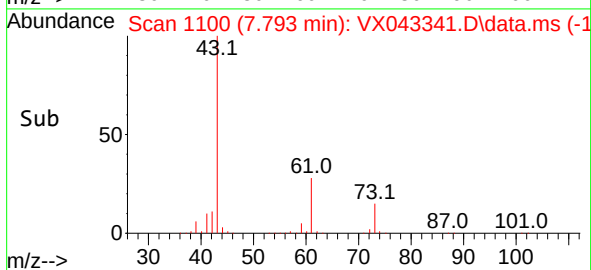
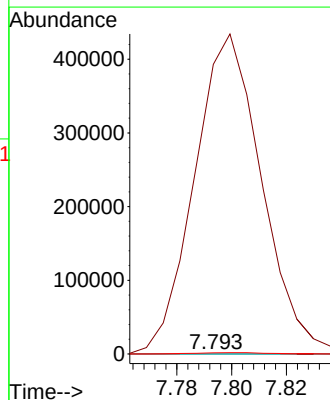
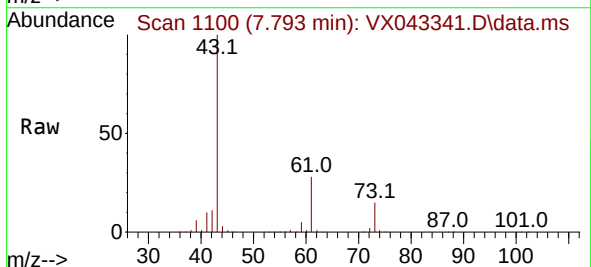
Instrument :
MSVOA_X
ClientSampleId :

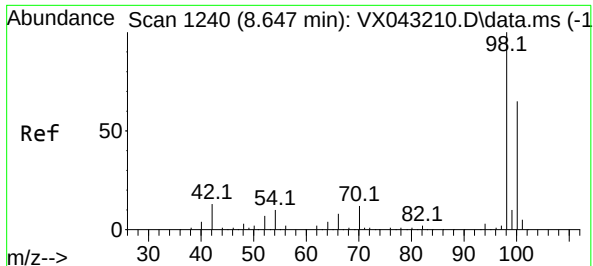
Tgt Ion: 41 Resp: 75045
Ion Ratio Lower Upper
41 100
69 0.1 64.1 96.1#
39 56.1 52.8 79.2



#49
1,4-Dioxane
Concen: 3.140 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54

Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 917758.5 29.5 44.3#
58 3891.5 55.2 82.8#

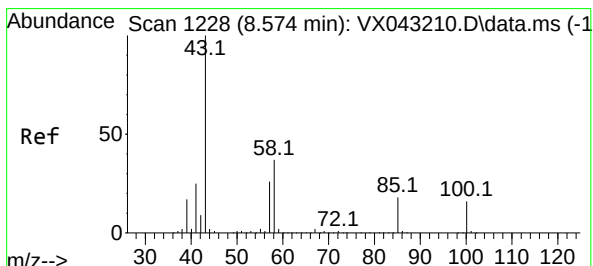
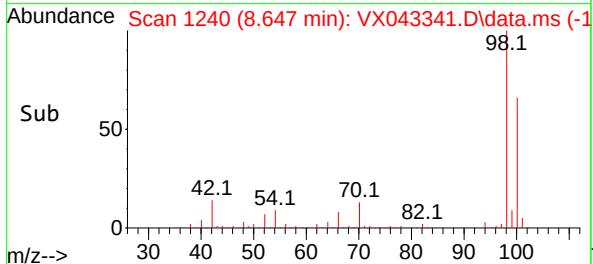
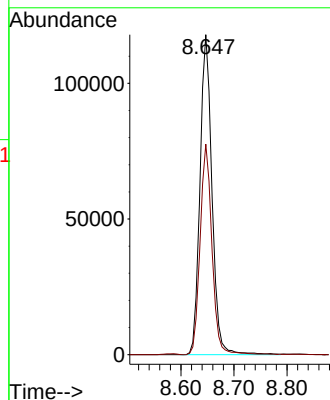
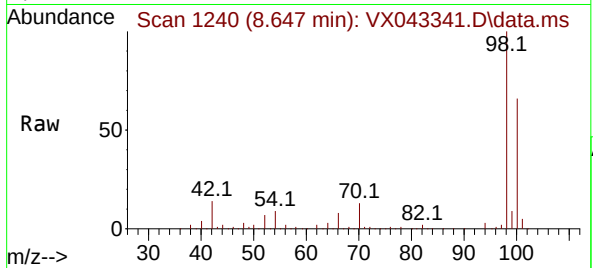




#50
Toluene-d8
Concen: 49.047 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54

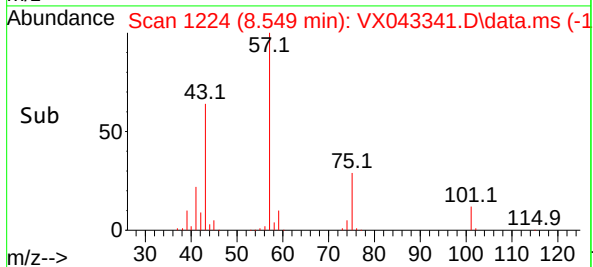
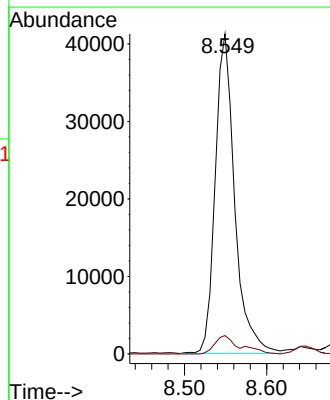
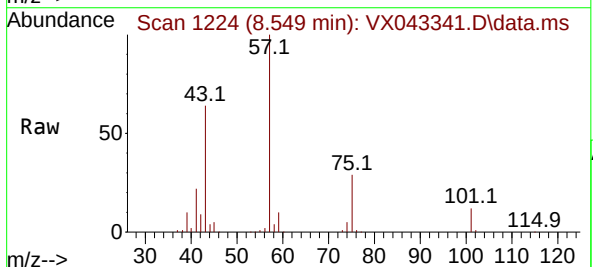
Instrument :
MSVOA_X
ClientSampleId :

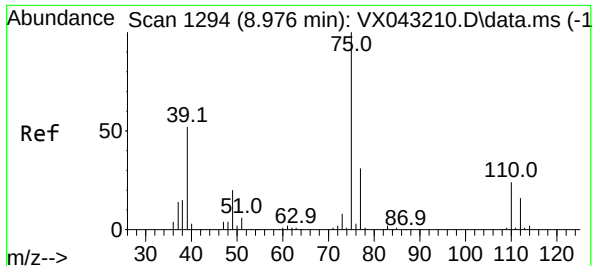
Tgt Ion: 98 Resp: 185746
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 40.764 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54

Tgt Ion: 43 Resp: 67797
Ion Ratio Lower Upper
43 100
58 7.4 30.0 45.0#





#53

t-1,3-Dichloropropene

Concen: 0.275 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX043341.D

Acq: 09 Oct 2024 15:54

Instrument :

MSVOA_X

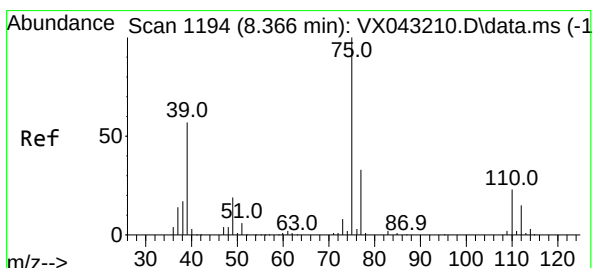
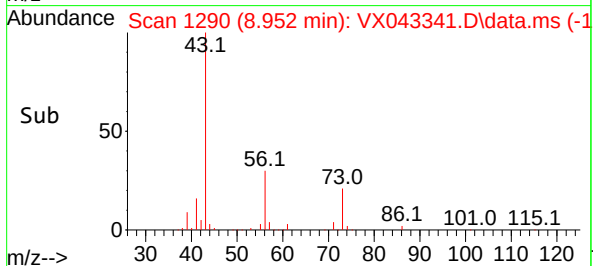
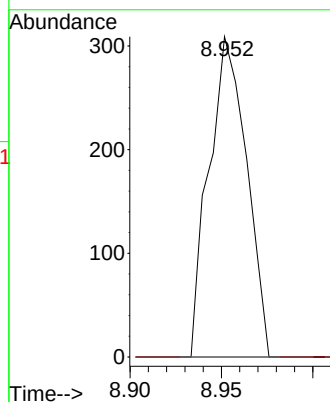
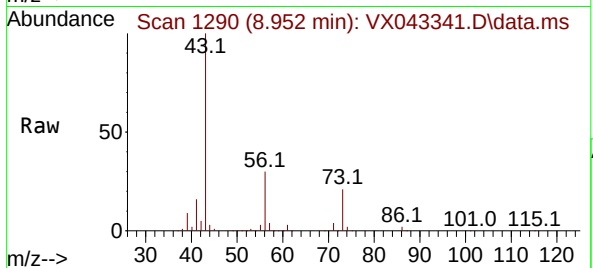
ClientSampleId :

Tgt Ion: 75 Resp: 443

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 16.655 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX043341.D

Acq: 09 Oct 2024 15:54

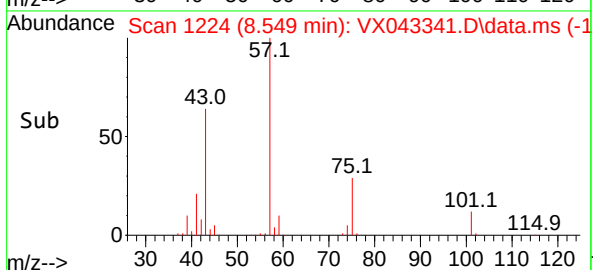
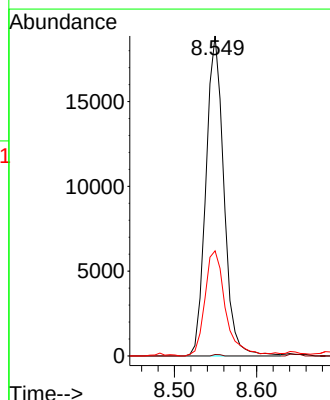
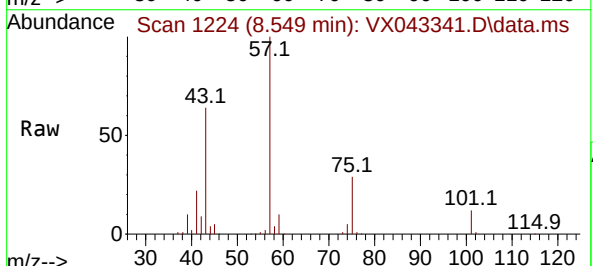
Tgt Ion: 75 Resp: 28725

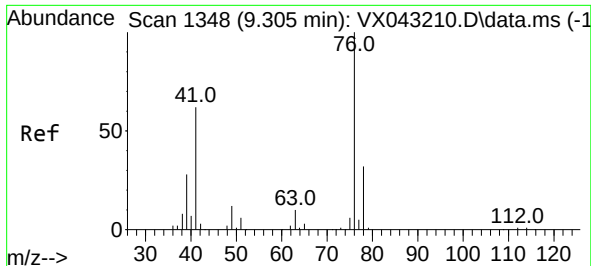
Ion Ratio Lower Upper

75 100

77 0.5 26.0 39.0#

39 32.9 45.8 68.8#





#57

1,3-Dichloropropane

Concen: 1.954 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043341.D

Acq: 09 Oct 2024 15:54

Instrument :

MSVOA_X

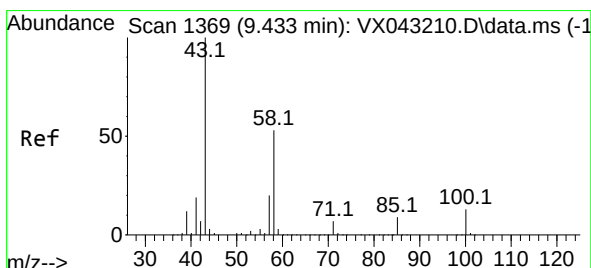
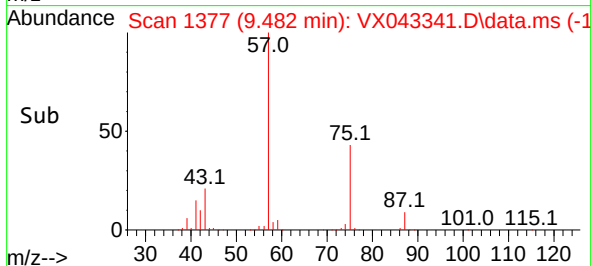
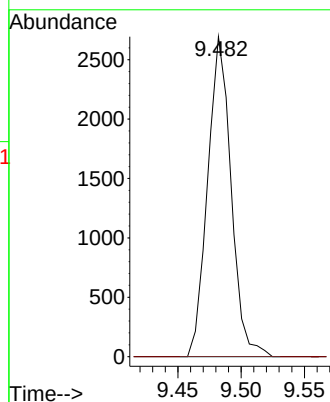
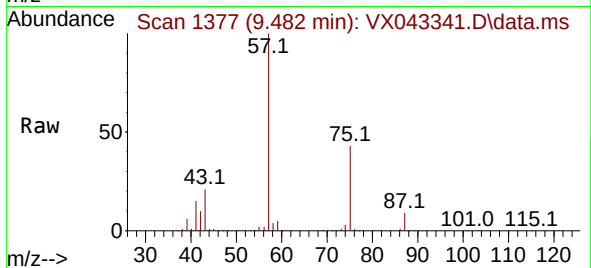
ClientSampleId :

Tgt Ion: 76 Resp: 3470

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 41.384 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043341.D

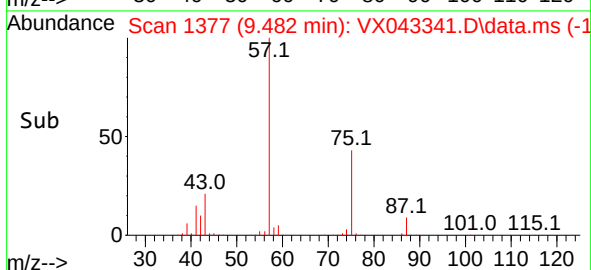
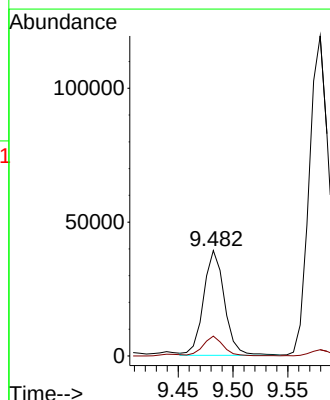
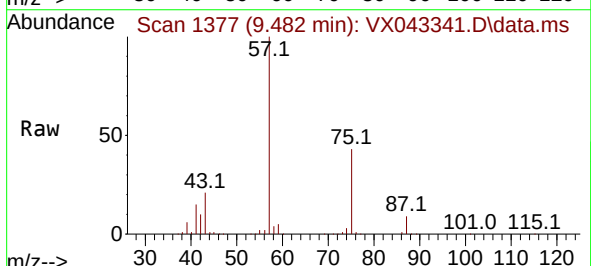
Acq: 09 Oct 2024 15:54

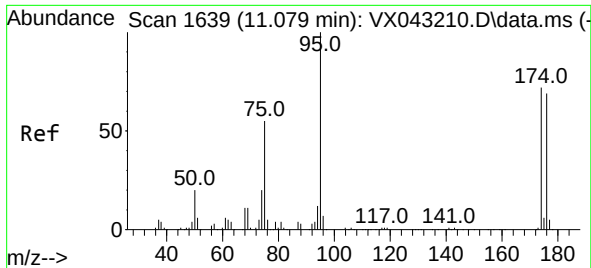
Tgt Ion: 43 Resp: 52049

Ion Ratio Lower Upper

43 100

58 18.4 26.1 78.3#

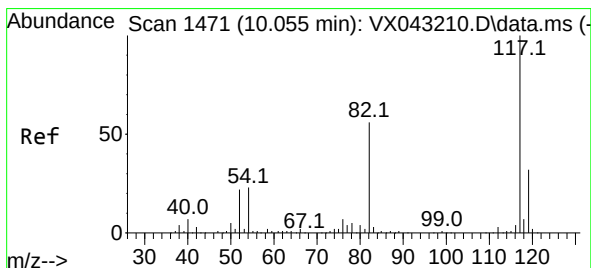
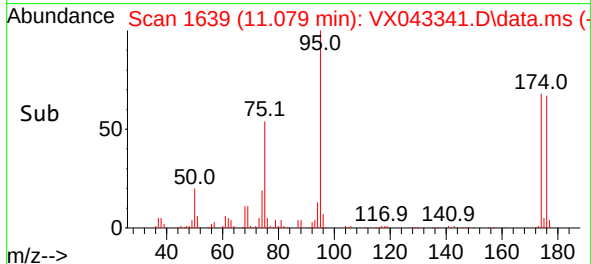
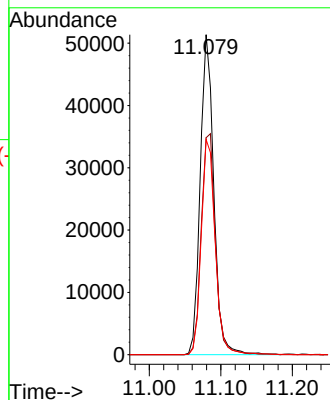
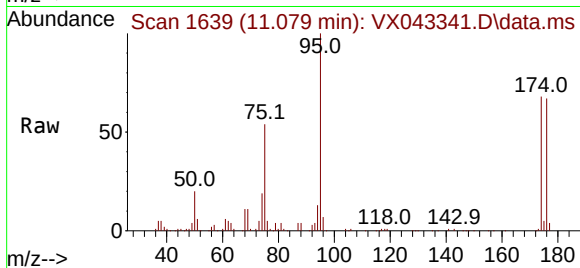




#62
4-Bromofluorobenzene
Concen: 49.124 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54

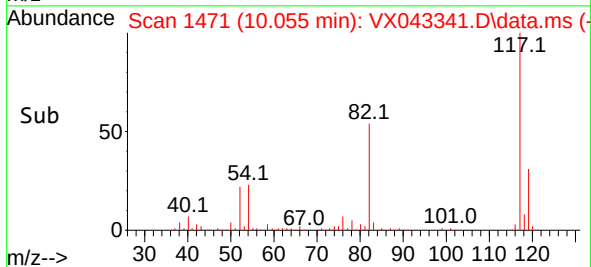
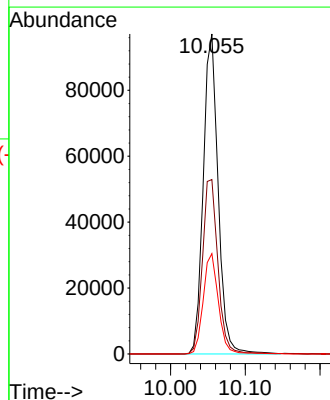
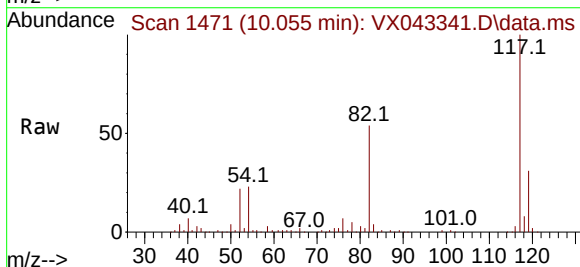
Instrument :
MSVOA_X
ClientSampleId :

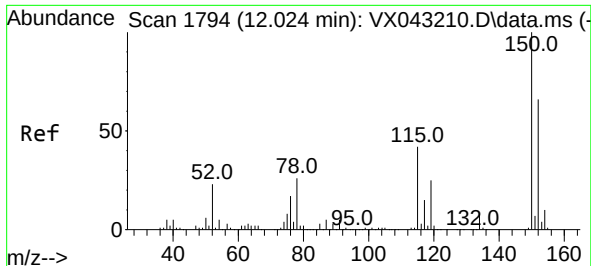
Tgt Ion: 95 Resp: 67586
Ion Ratio Lower Upper
95 100
174 72.3 0.0 145.0
176 69.5 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54

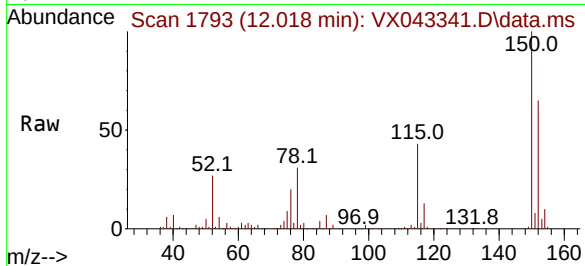
Tgt Ion: 117 Resp: 134221
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.6
119 31.4 25.3 37.9



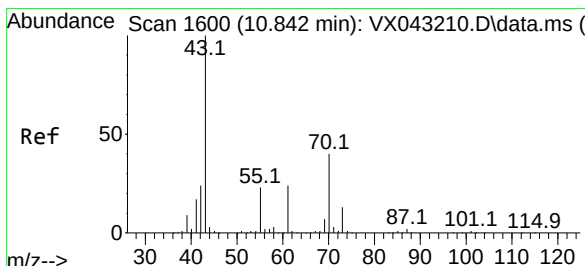
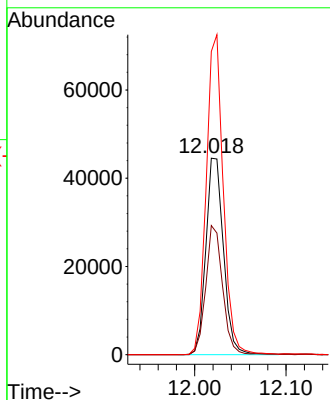
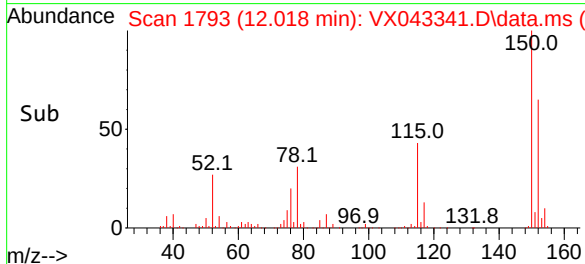


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54

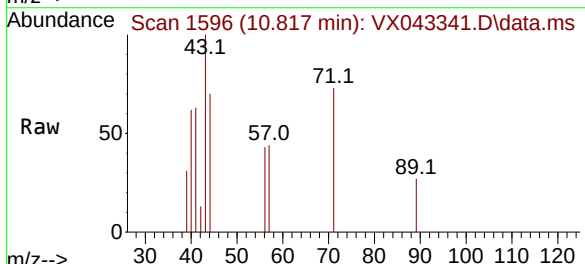
Instrument :
MSVOA_X
ClientSampleId :



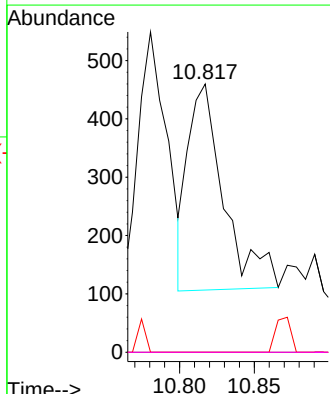
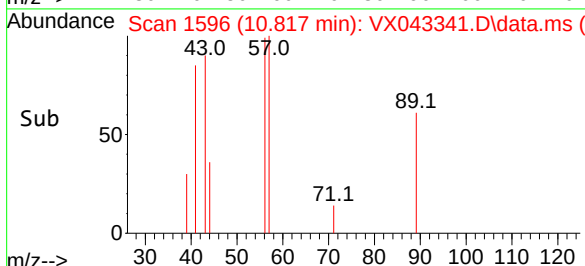
Tgt Ion:152 Resp: 59608
Ion Ratio Lower Upper
152 100
115 62.9 44.1 132.3
150 156.9 0.0 347.4

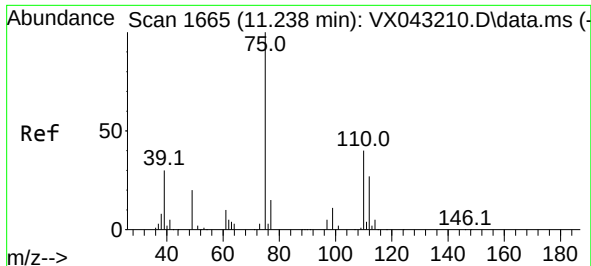


#74
N-ethyl acetate
Concen: 0.270 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54



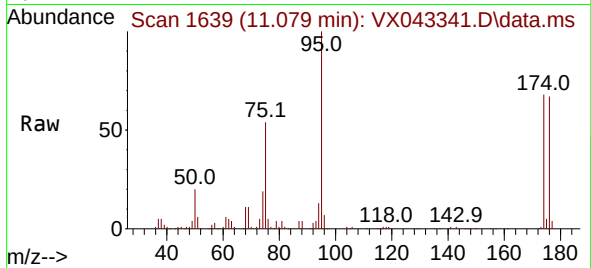
Tgt Ion: 43 Resp: 593
Ion Ratio Lower Upper
43 100
70 0.0 33.1 49.7#
55 0.0 18.6 27.8#
61 0.0 18.7 28.1#



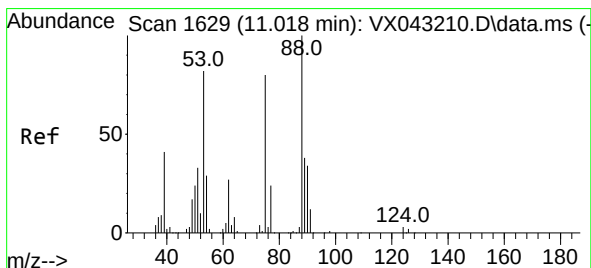
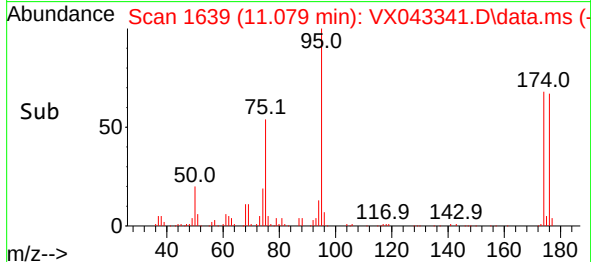
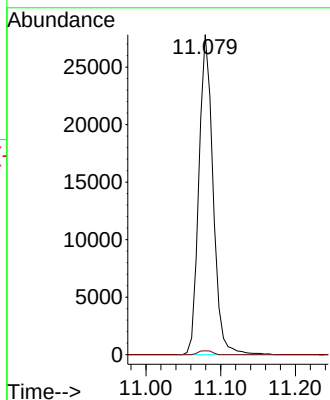


#76
1,2,3-Trichloropropane
Concen: 27.726 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 36659
Ion Ratio Lower Upper
75 100
77 1.2 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.857 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043341.D
Acq: 09 Oct 2024 15:54

Tgt Ion: 75 Resp: 36659
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

