

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101524\
 Data File : VX043396.D
 Acq On : 15 Oct 2024 11:37 am
 Operator : JC/MD
 Sample : PB164097ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 16 01:52:59 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)

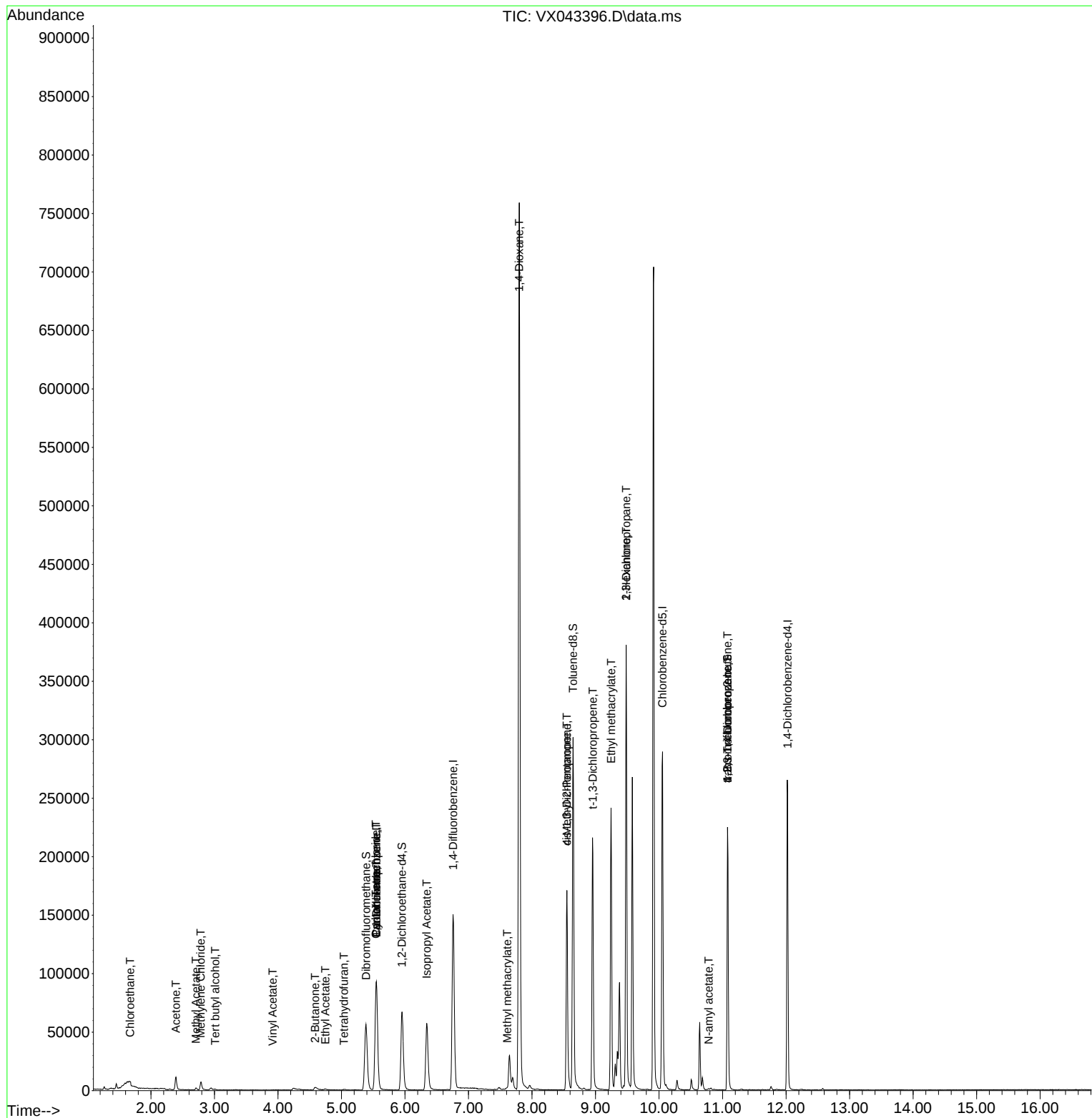
Internal Standards						
1) Pentafluorobenzene	5.550	168	83928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153261	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68522	49.992	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.980%
35) Dibromofluoromethane	5.385	113	49146	46.498	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.000%
50) Toluene-d8	8.647	98	177454	48.447	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.900%
62) 4-Bromofluorobenzene	11.079	95	62998	47.343	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.680%
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	83	0.221	ug/l #	42
11) Tert butyl alcohol	3.013	59	823	3.155	ug/l #	92
16) Acetone	2.392	43	13138	22.952	ug/l	97
18) Methyl Acetate	2.709	43	2301	1.602	ug/l	97
20) Methylene Chloride	2.782	84	3452	3.271	ug/l	89
23) Vinyl Acetate	3.916	43	41	6.351	ug/l #	71
25) 2-Butanone	4.586	43	5120	6.524	ug/l	100
29) Tetrahydrofuran	5.037	42	206	0.412	ug/l #	51
31) Cyclohexane	5.550	56	2151	1.454	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	7380	5.527	ug/l #	51
37) Ethyl Acetate	4.745	43	1945	1.213	ug/l #	76
38) Carbon Tetrachloride	5.543	117	9584	6.063	ug/l #	15
43) Isopropyl Acetate	6.342	43	81755	30.868	ug/l	99
48) Methyl methacrylate	7.610	41	3017	2.322	ug/l #	13
49) 1,4-Dioxane	7.799	88	121	4.790	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	62690	38.972	ug/l #	50
53) t-1,3-Dichloropropene	8.957	75	441	0.284	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	27511	16.492	ug/l #	57
56) Ethyl methacrylate	9.244	69	436	0.264	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3370	1.962	ug/l #	43
59) 2-Hexanone	9.482	43	49667	40.830	ug/l #	51
74) N-amyl acetate	10.780	43	564	0.284	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	34582	29.013	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	34582	75.192	ug/l #	8

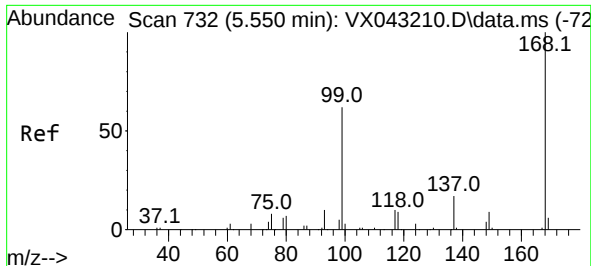
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

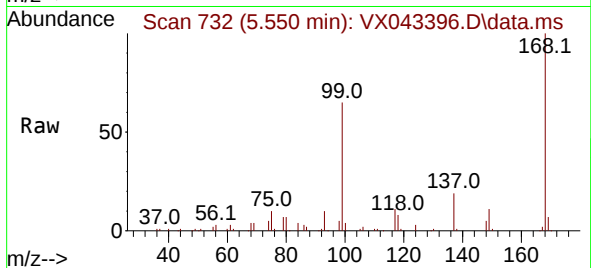
Quant Time: Oct 16 01:52:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration



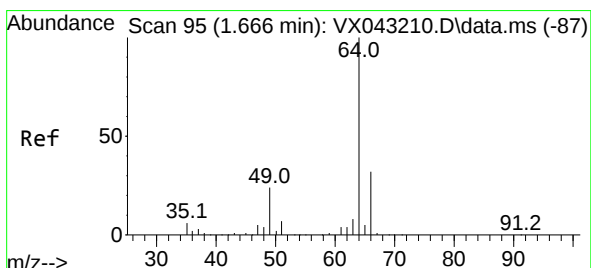
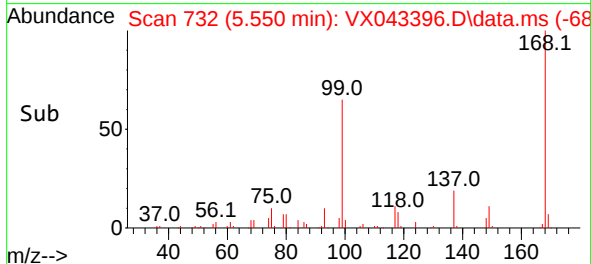
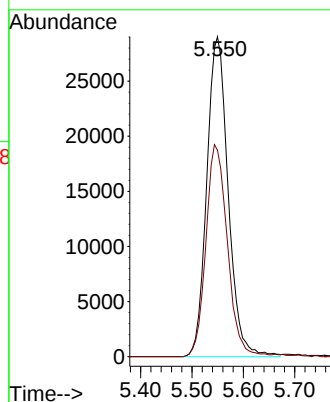


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043396.D
Acq: 15 Oct 2024 11:37

Instrument :
MSVOA_X
ClientSampleId :

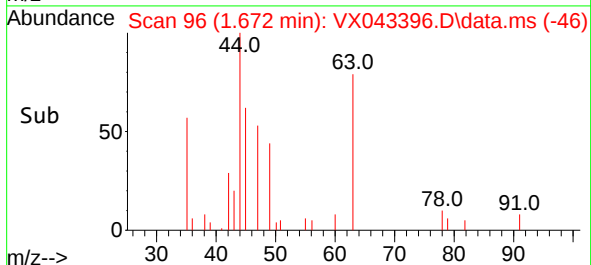
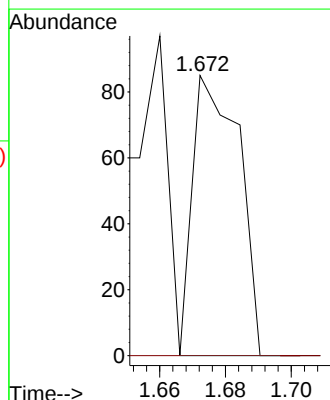
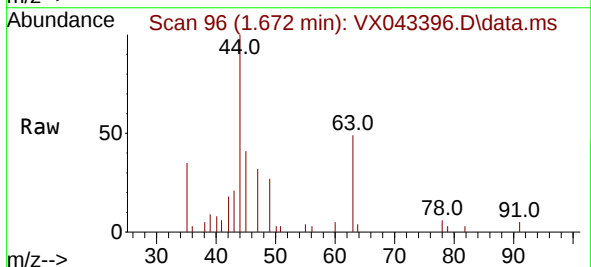


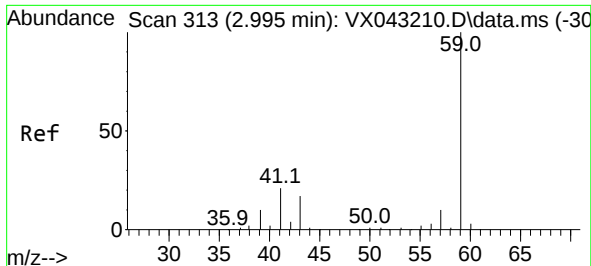
Tgt Ion:168 Resp: 83928
Ion Ratio Lower Upper
168 100
99 64.6 49.7 74.5



#6
Chloroethane
Concen: 0.221 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX043396.D
Acq: 15 Oct 2024 11:37 am

Tgt Ion: 64 Resp: 83
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#





#11

Tert butyl alcohol

Concen: 3.155 ug/l

RT: 3.013 min Scan# 31

Delta R.T. 0.018 min

Lab File: VX043396.D

Acq: 15 Oct 2024 11:37

Instrument :

MSVOA_X

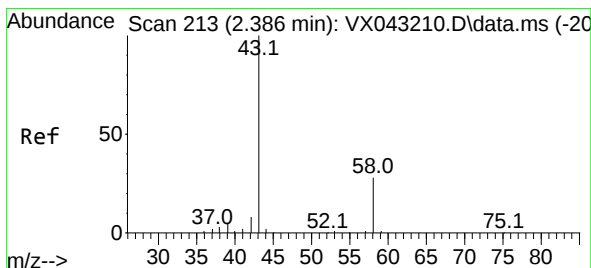
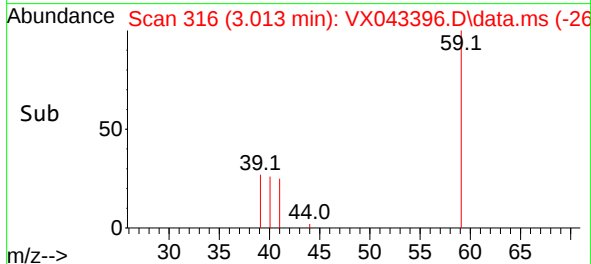
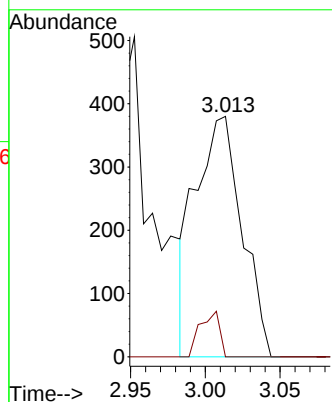
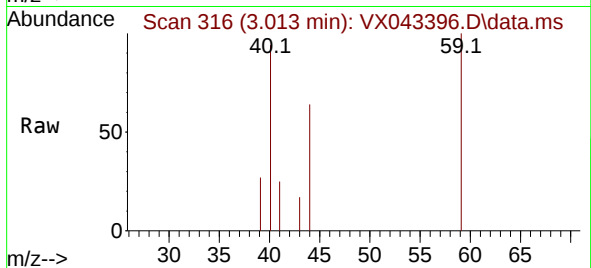
ClientSampleId :

Tgt Ion: 59 Resp: 823

Ion Ratio Lower Upper

59 100

57 7.9 8.6 13.0#



#16

Acetone

Concen: 22.952 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX043396.D

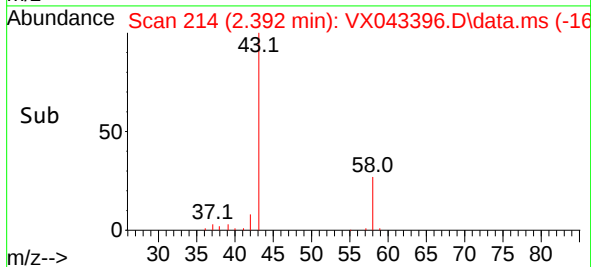
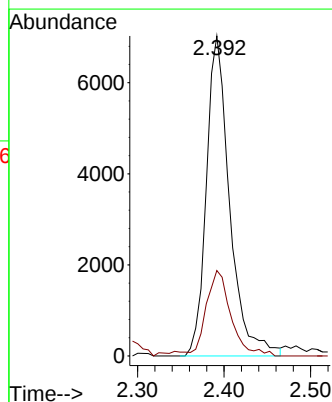
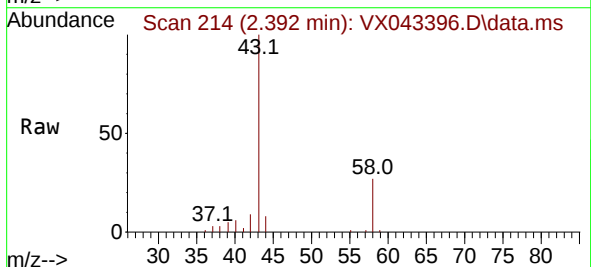
Acq: 15 Oct 2024 11:37 am

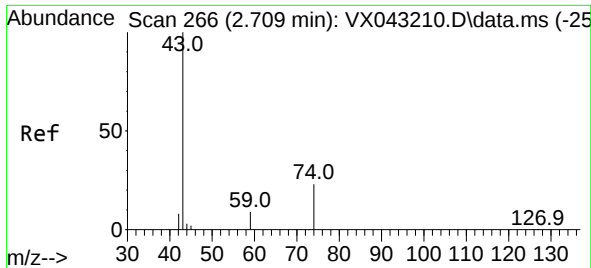
Tgt Ion: 43 Resp: 13138

Ion Ratio Lower Upper

43 100

58 26.7 22.6 33.8

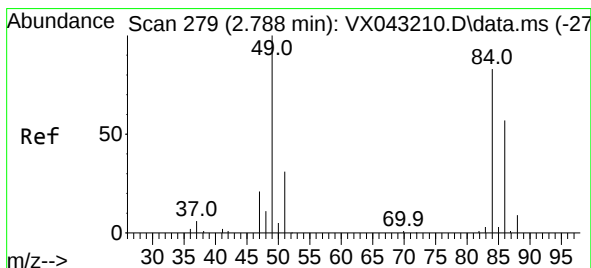
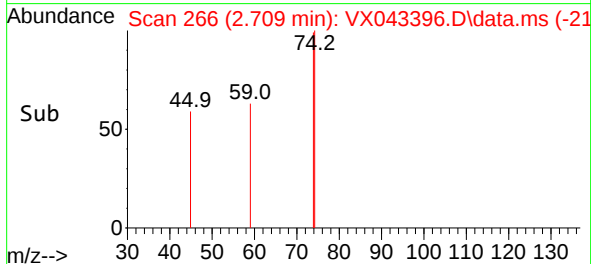
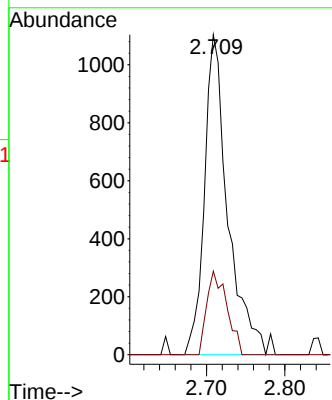
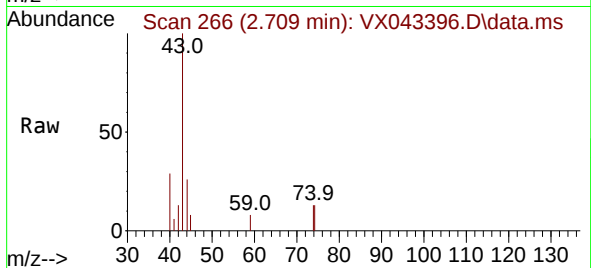




#18
Methyl Acetate
Concen: 1.602 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043396.D
Acq: 15 Oct 2024 11:37

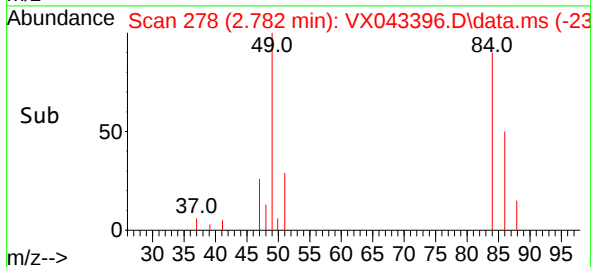
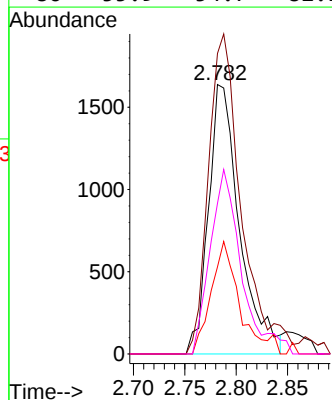
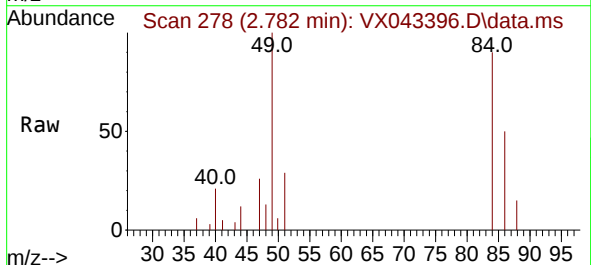
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 2301
Ion Ratio Lower Upper
43 100
74 22.3 19.1 28.7



#20
Methylene Chloride
Concen: 3.271 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX043396.D
Acq: 15 Oct 2024 11:37 am

Tgt Ion: 84 Resp: 3452
Ion Ratio Lower Upper
84 100
49 111.5 96.7 145.1
51 32.3 30.4 45.6
86 55.9 54.7 82.1

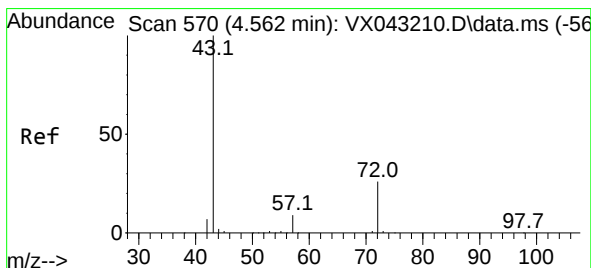
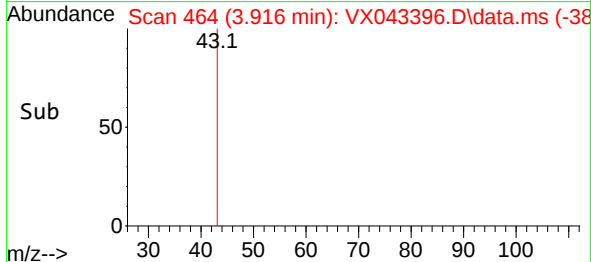
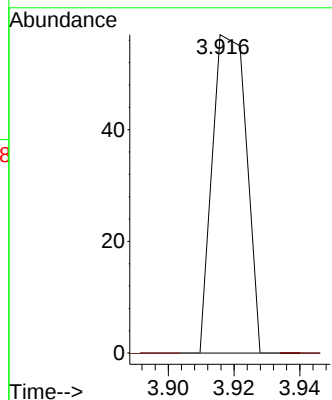
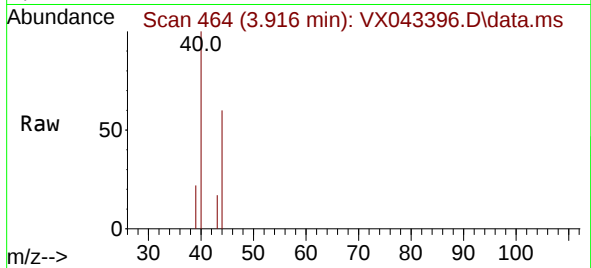




#23
 Vinyl Acetate
 Concen: 6.351 ug/l
 RT: 3.916 min Scan# 41
 Delta R.T. 0.195 min
 Lab File: VX043396.D
 Acq: 15 Oct 2024 11:37

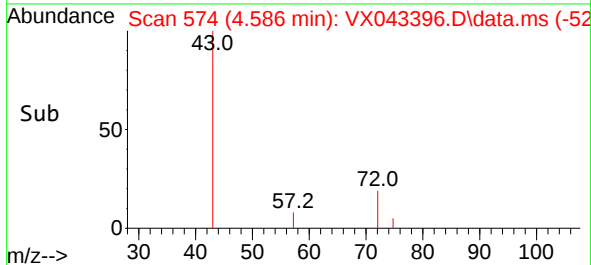
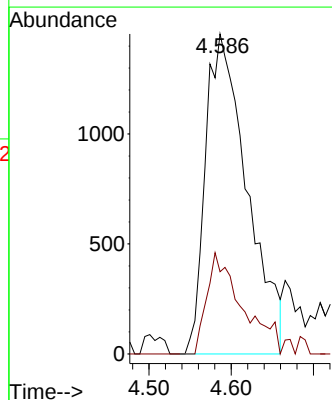
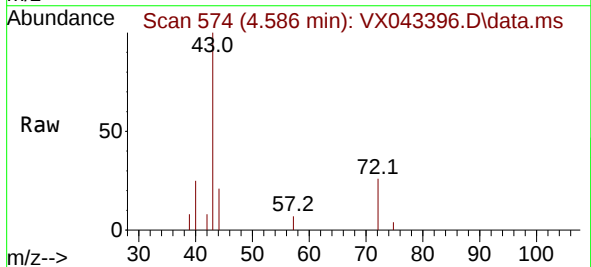
Instrument :
 MSVOA_X
 ClientSampleId :

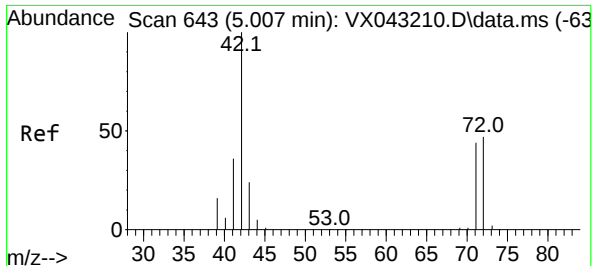
Tgt Ion: 43 Resp: 41
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 6.524 ug/l
 RT: 4.586 min Scan# 574
 Delta R.T. 0.024 min
 Lab File: VX043396.D
 Acq: 15 Oct 2024 11:37 am

Tgt Ion: 43 Resp: 5120
 Ion Ratio Lower Upper
 43 100
 72 25.7 20.6 31.0





#29

Tetrahydrofuran

Concen: 0.412 ug/l

RT: 5.037 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX043396.D

Acq: 15 Oct 2024 11:37

Instrument :

MSVOA_X

ClientSampleId :

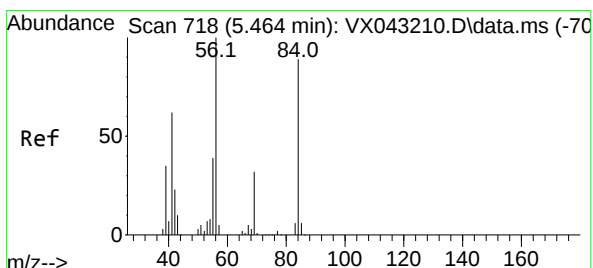
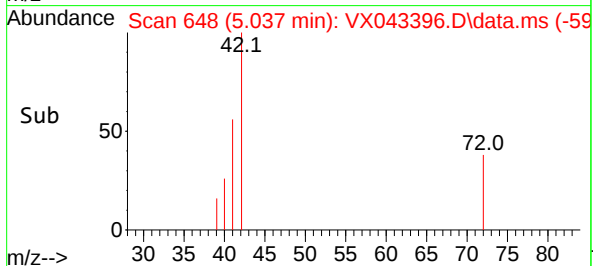
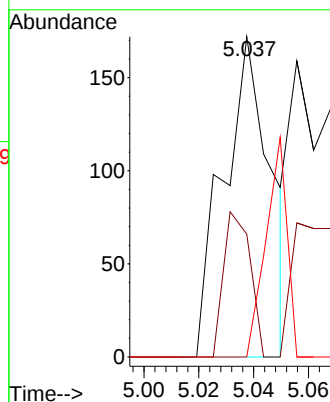
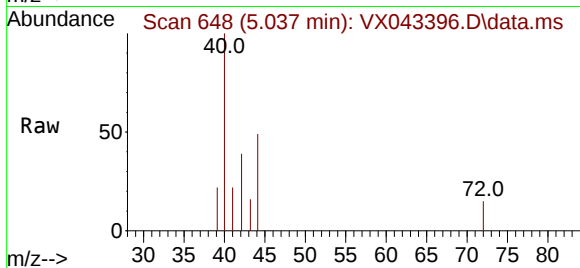
Tgt Ion: 42 Resp: 206

Ion Ratio Lower Upper

42 100

72 25.7 37.7 56.5#

71 0.0 34.6 52.0#



#31

Cyclohexane

Concen: 1.454 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX043396.D

Acq: 15 Oct 2024 11:37 am

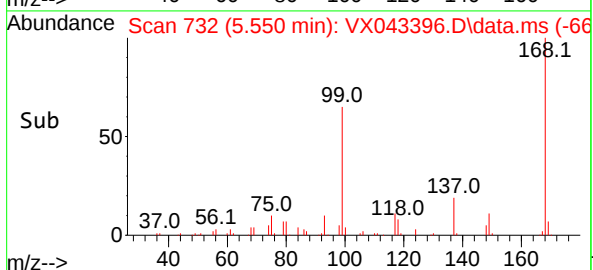
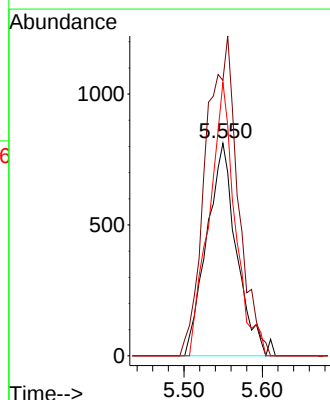
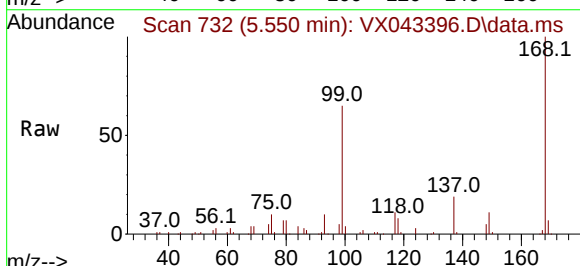
Tgt Ion: 56 Resp: 2151

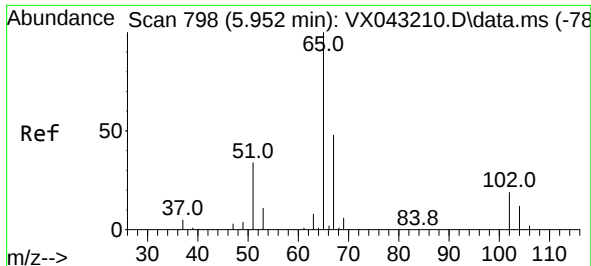
Ion Ratio Lower Upper

56 100

69 129.6 25.8 38.6#

84 128.7 71.1 106.7#

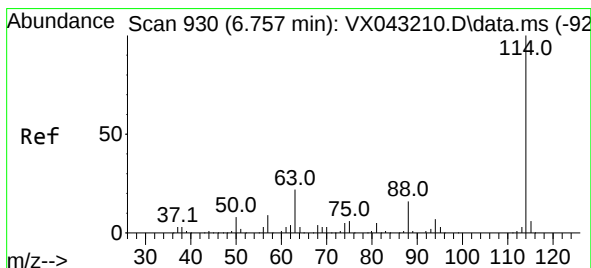
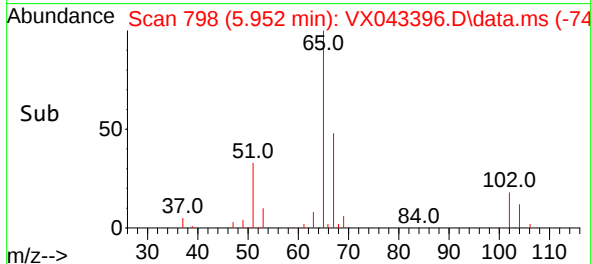
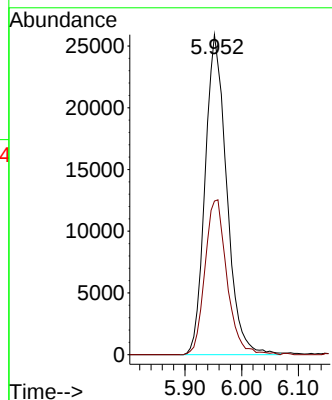
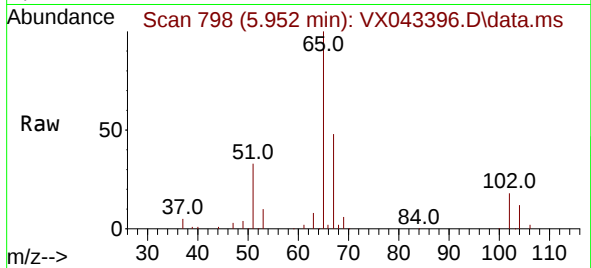




#33
 1,2-Dichloroethane-d4
 Concen: 49.992 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX043396.D
 Acq: 15 Oct 2024 11:37

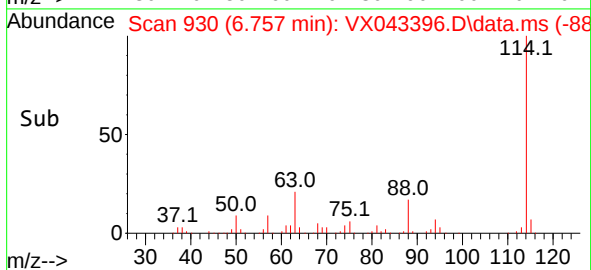
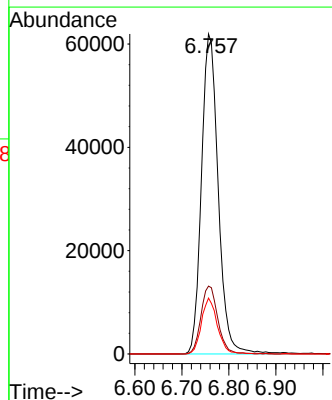
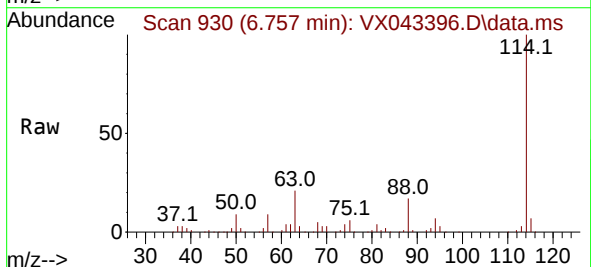
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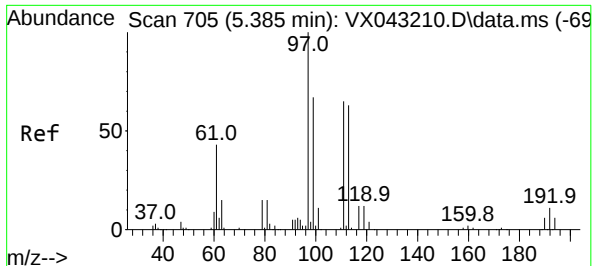
Tgt Ion: 65 Resp: 68522
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX043396.D
 Acq: 15 Oct 2024 11:37 am

Tgt Ion: 114 Resp: 153261
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.0
 88 17.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 46.498 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

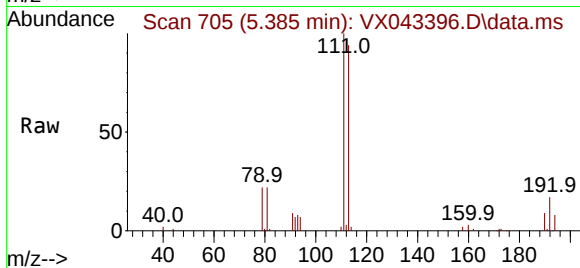
Lab File: VX043396.D

Acq: 15 Oct 2024 11:37

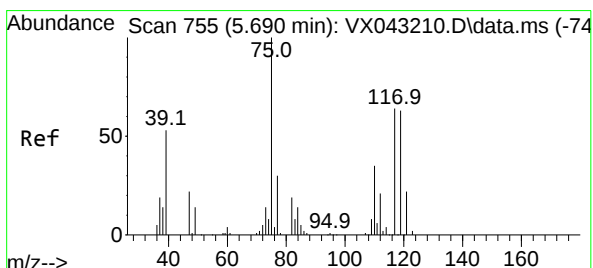
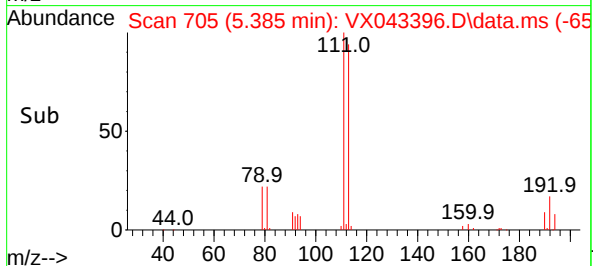
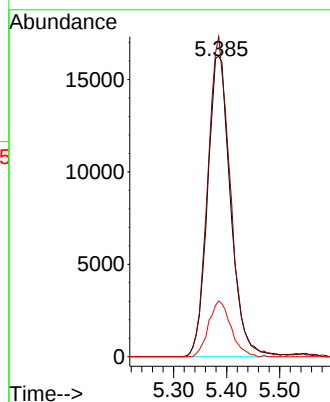
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	113	Resp:	49146
Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.4	125.0
192	17.9	14.1	21.1



#36

1,1-Dichloropropene

Concen: 5.527 ug/l

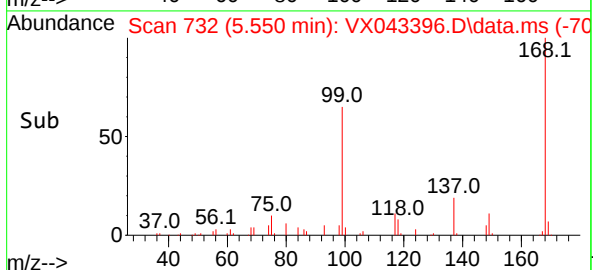
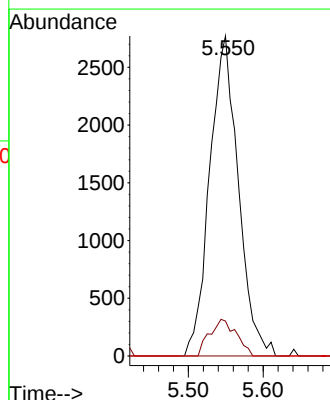
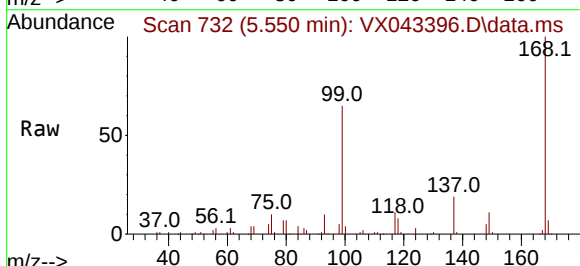
RT: 5.550 min Scan# 732

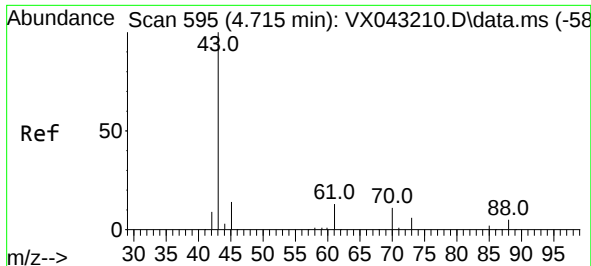
Delta R.T. -0.140 min

Lab File: VX043396.D

Acq: 15 Oct 2024 11:37 am

Tgt Ion:	75	Resp:	7380
Ion	Ratio	Lower	Upper
75	100		
110	10.7	17.8	53.3#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 1.213 ug/l

RT: 4.745 min Scan# 60

Delta R.T. 0.030 min

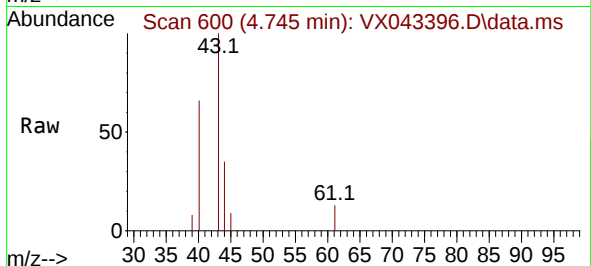
Lab File: VX043396.D

Acq: 15 Oct 2024 11:37

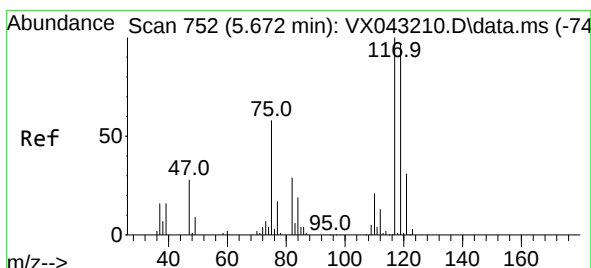
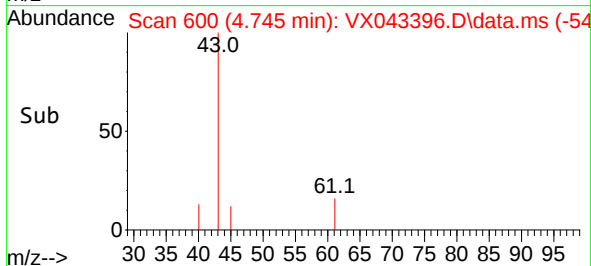
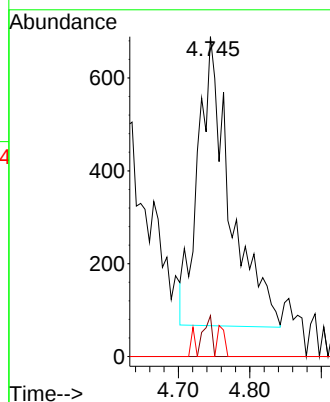
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	1945
Ion	Ratio	Lower	Upper
43	100		
61	3.8	11.0	16.4#
70	2.3	8.9	13.3#



#38

Carbon Tetrachloride

Concen: 6.063 ug/l

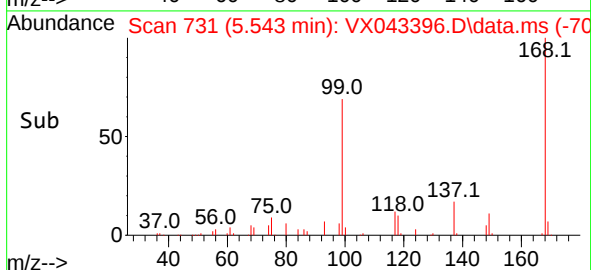
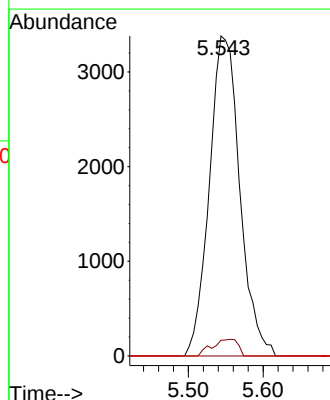
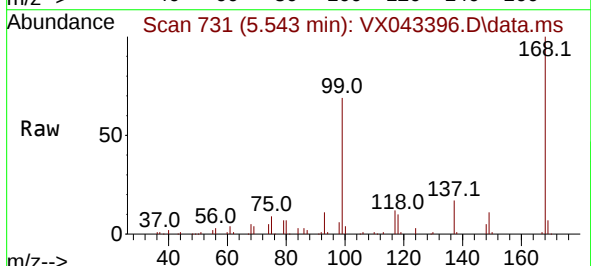
RT: 5.543 min Scan# 731

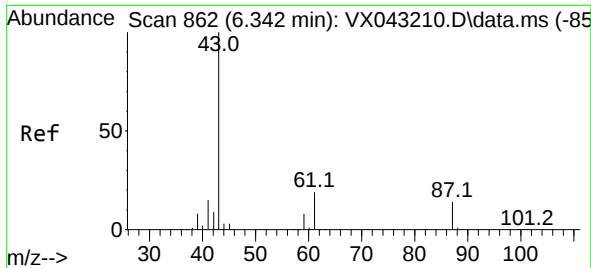
Delta R.T. -0.128 min

Lab File: VX043396.D

Acq: 15 Oct 2024 11:37 am

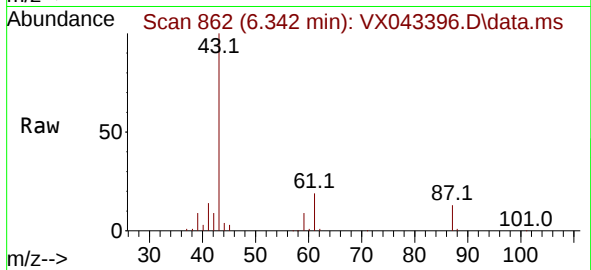
Tgt Ion:	117	Resp:	9584
Ion	Ratio	Lower	Upper
117	100		
119	4.9	77.7	116.5#
121	0.0	24.3	36.5#



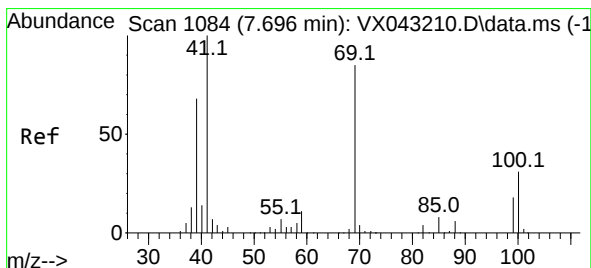
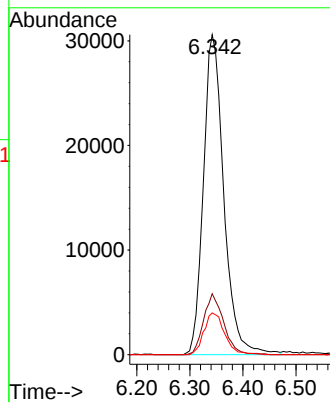
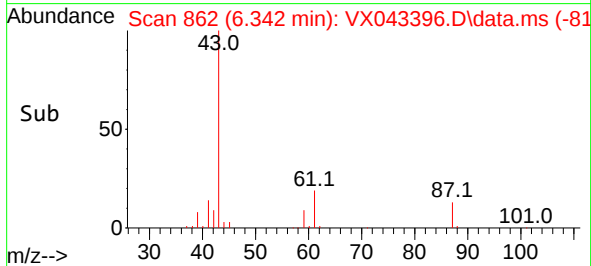


#43
Isopropyl Acetate
Concen: 30.868 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX043396.D
Acq: 15 Oct 2024 11:37

Instrument :
MSVOA_X
ClientSampleId :

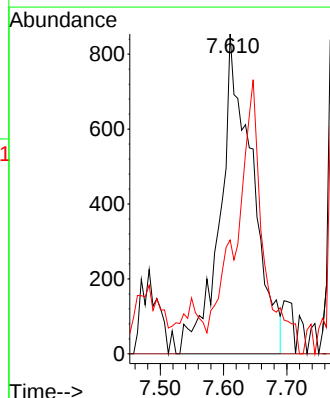
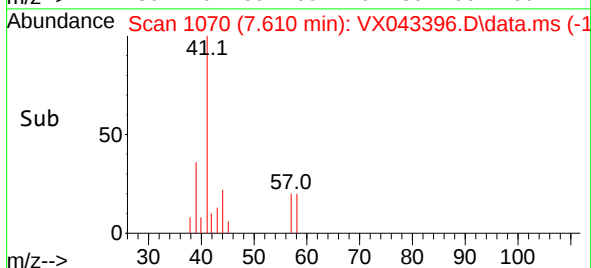
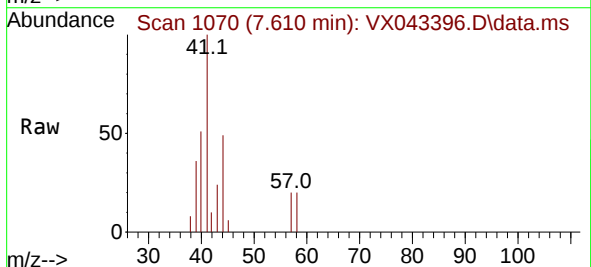


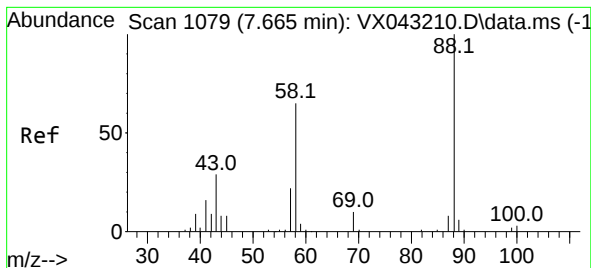
Tgt Ion: 43 Resp: 81755
Ion Ratio Lower Upper
43 100
61 18.7 15.1 22.7
87 13.2 10.8 16.2



#48
Methyl methacrylate
Concen: 2.322 ug/l
RT: 7.610 min Scan# 1070
Delta R.T. -0.086 min
Lab File: VX043396.D
Acq: 15 Oct 2024 11:37 am

Tgt Ion: 41 Resp: 3017
Ion Ratio Lower Upper
41 100
69 0.0 64.1 96.1#
39 0.0 52.8 79.2#





#49

1,4-Dioxane

Concen: 4.790 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX043396.D

Acq: 15 Oct 2024 11:37

Instrument :

MSVOA_X

ClientSampleId :

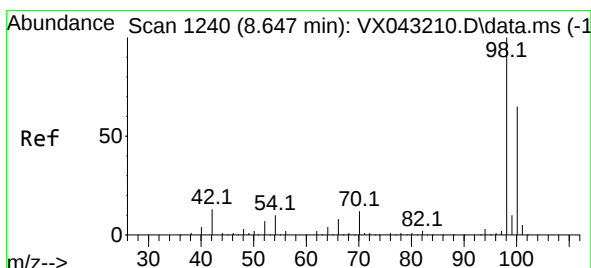
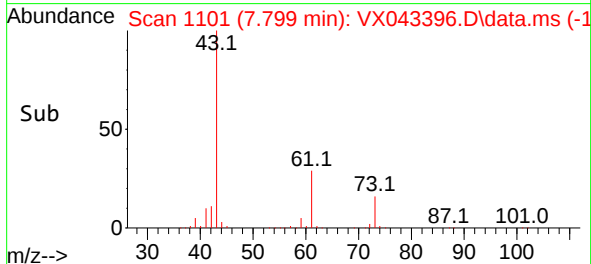
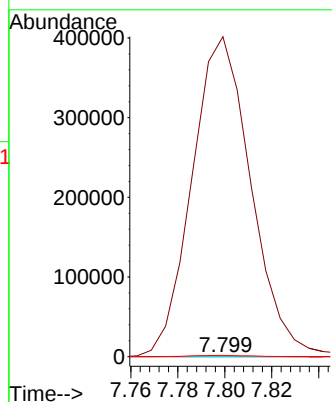
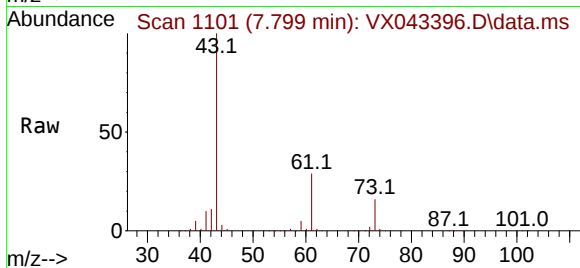
Tgt Ion: 88 Resp: 121

Ion Ratio Lower Upper

88 100

43 588490.1 29.5 44.3#

58 2366.9 55.2 82.8#



#50

Toluene-d8

Concen: 48.447 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043396.D

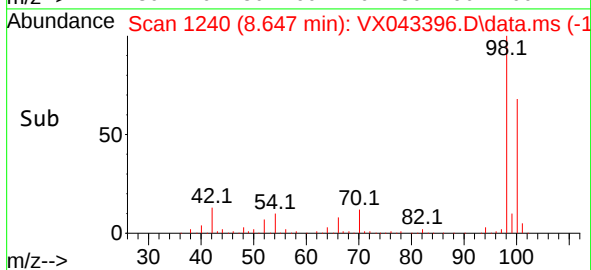
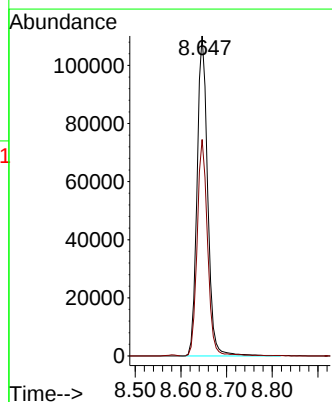
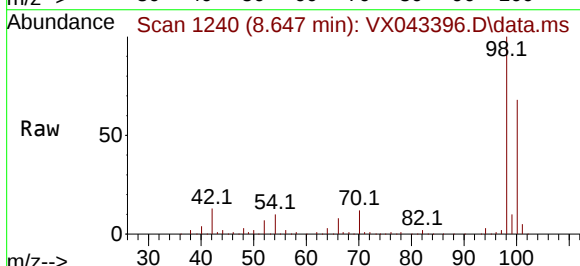
Acq: 15 Oct 2024 11:37 am

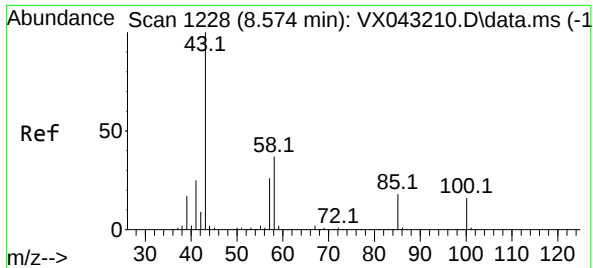
Tgt Ion: 98 Resp: 177454

Ion Ratio Lower Upper

98 100

100 66.4 52.4 78.6

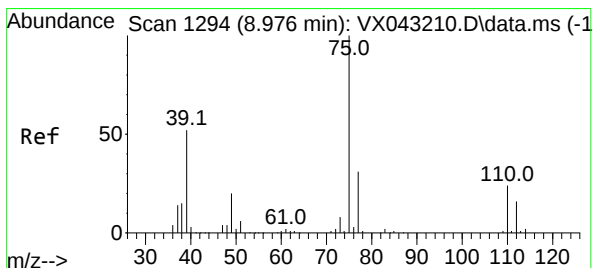
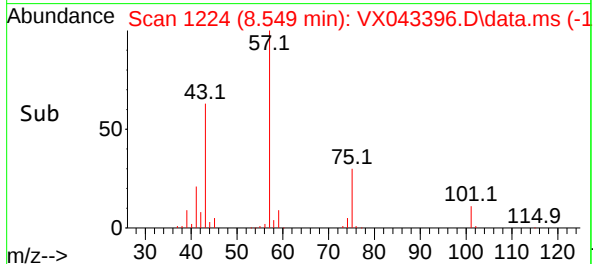
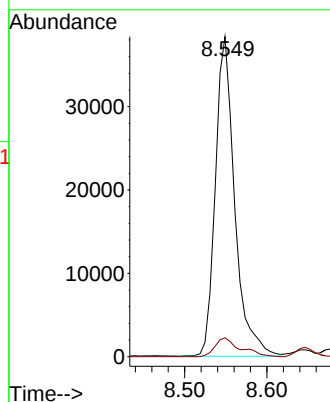
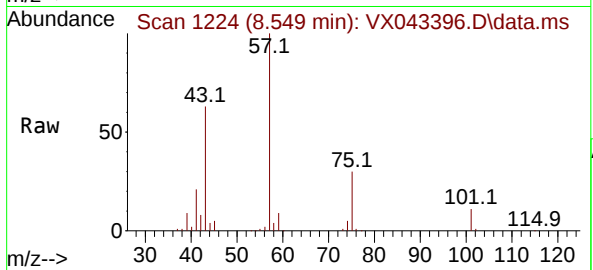




#51
4-Methyl-2-Pentanone
Concen: 38.972 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX043396.D
Acq: 15 Oct 2024 11:37

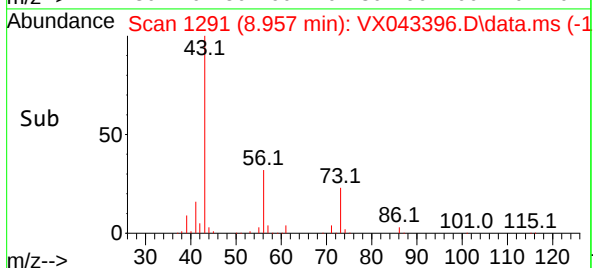
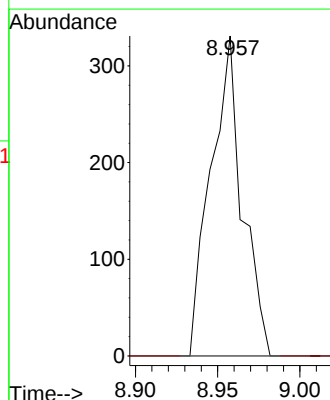
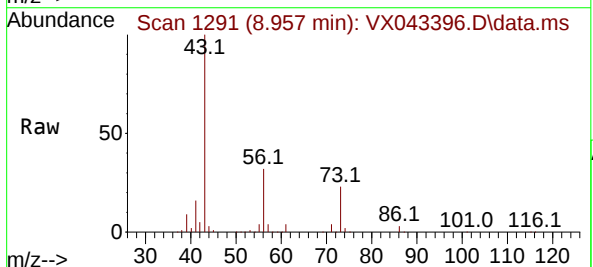
Instrument :
MSVOA_X
ClientSampleId :

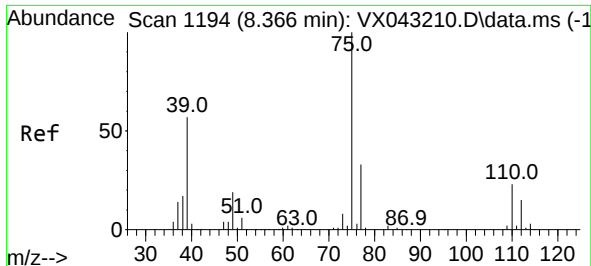
Tgt Ion: 43 Resp: 62690
Ion Ratio Lower Upper
43 100
58 7.7 30.0 45.0#



#53
t-1,3-Dichloropropene
Concen: 0.284 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.019 min
Lab File: VX043396.D
Acq: 15 Oct 2024 11:37 am

Tgt Ion: 75 Resp: 441
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

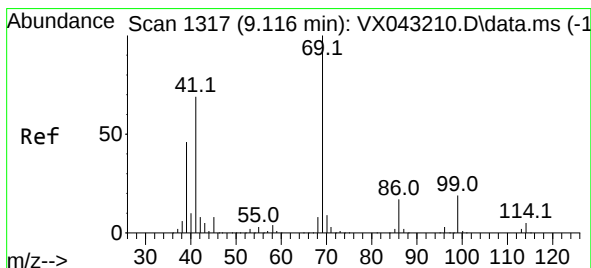
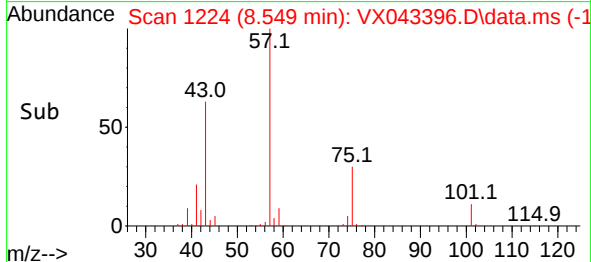
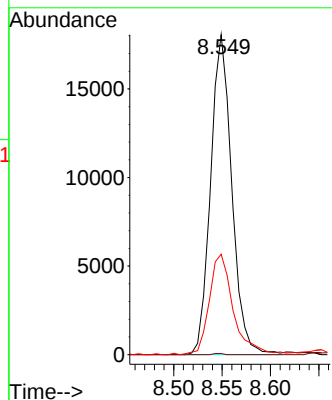
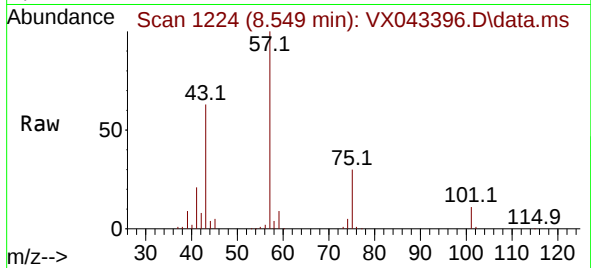




#54
 cis-1,3-Dichloropropene
 Concen: 16.492 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043396.D
 Acq: 15 Oct 2024 11:37

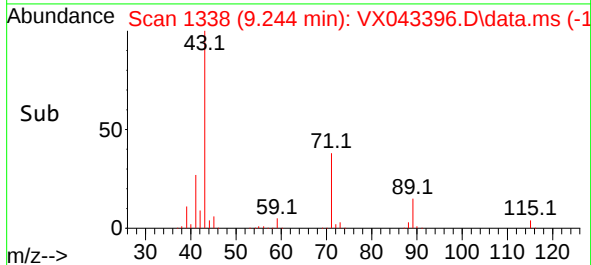
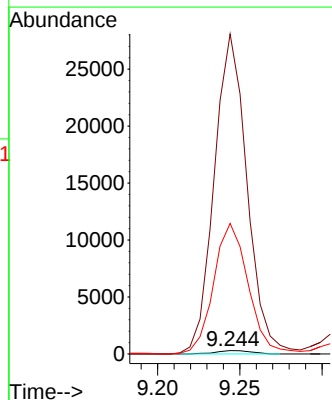
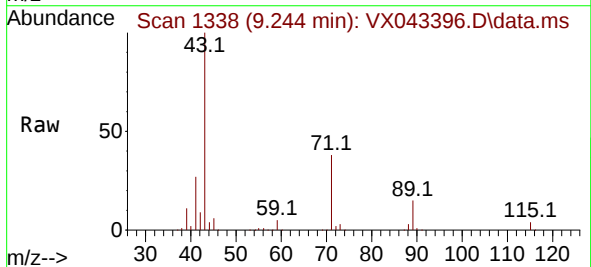
Instrument :
 MSVOA_X
 ClientSampleId :

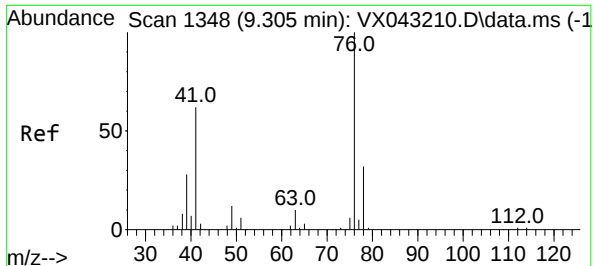
Tgt Ion: 75 Resp: 27511
 Ion Ratio Lower Upper
 75 100
 77 0.3 26.0 39.0#
 39 31.4 45.8 68.8#



#56
 Ethyl methacrylate
 Concen: 0.264 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX043396.D
 Acq: 15 Oct 2024 11:37 am

Tgt Ion: 69 Resp: 436
 Ion Ratio Lower Upper
 69 100
 41 8970.9 56.1 84.1#
 39 3852.3 36.4 54.6#

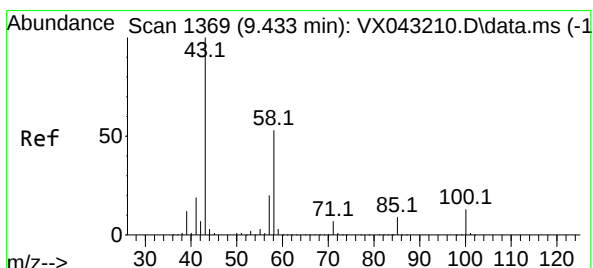
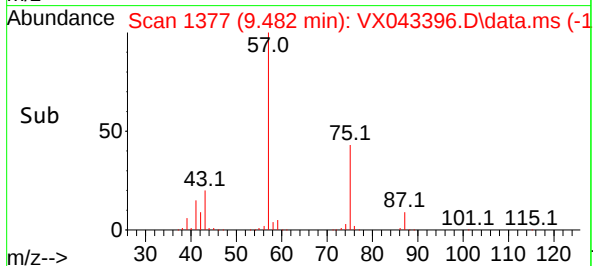
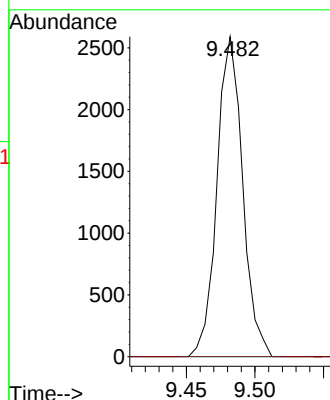
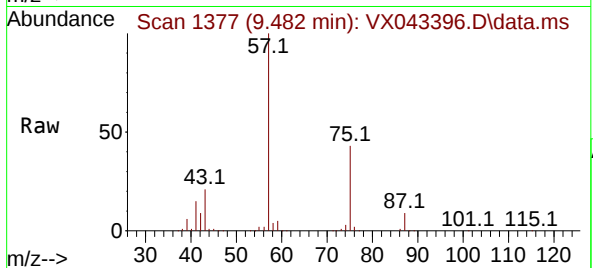




#57
1,3-Dichloropropane
Concen: 1.962 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043396.D
Acq: 15 Oct 2024 11:37

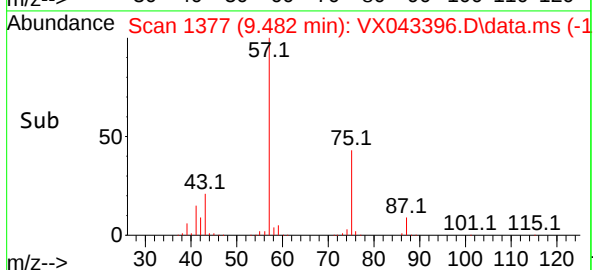
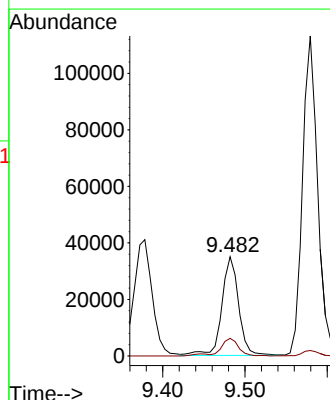
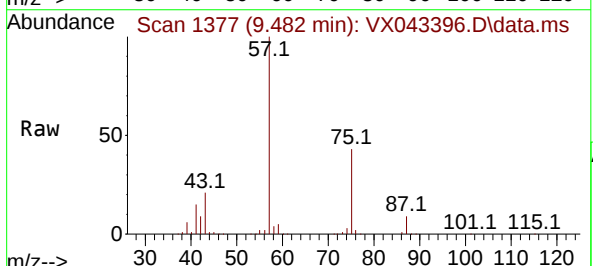
Instrument :
MSVOA_X
ClientSampleId :

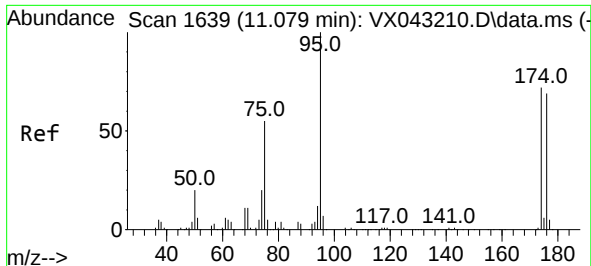
Tgt Ion: 76 Resp: 3370
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 40.830 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX043396.D
Acq: 15 Oct 2024 11:37 am

Tgt Ion: 43 Resp: 49667
Ion Ratio Lower Upper
43 100
58 17.5 26.1 78.3#

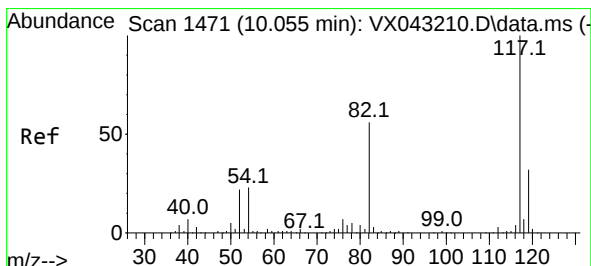
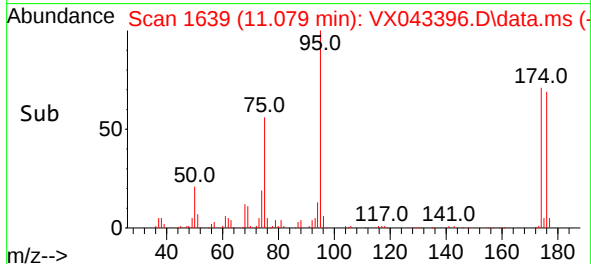
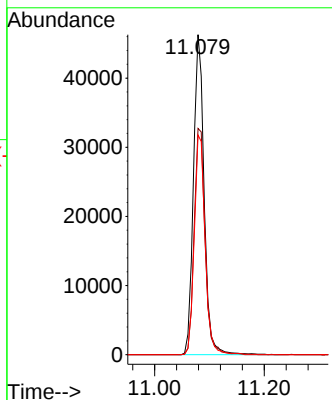
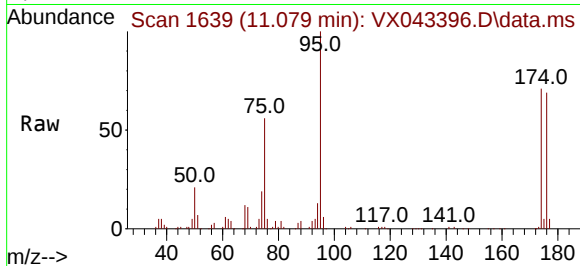




#62
4-Bromofluorobenzene
Concen: 47.343 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043396.D
Acq: 15 Oct 2024 11:37

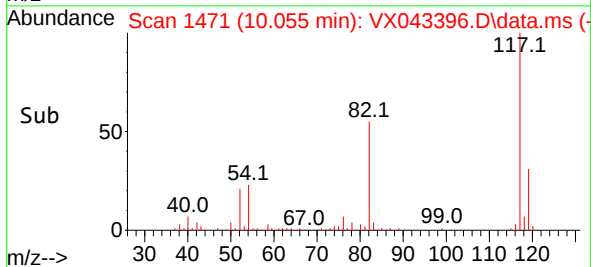
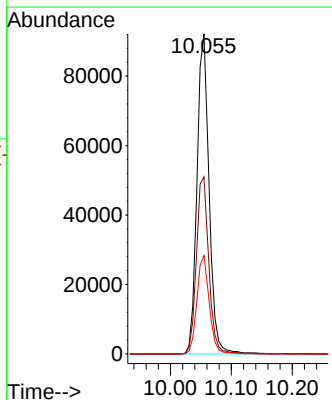
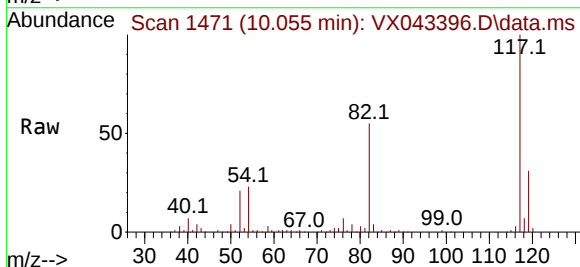
Instrument :
MSVOA_X
ClientSampleId :

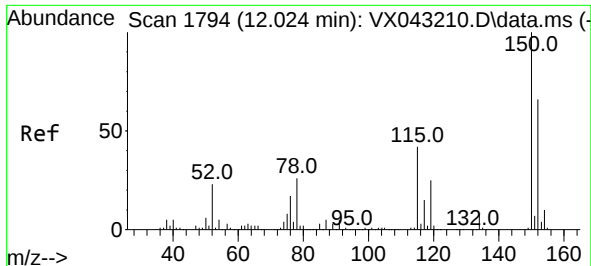
Tgt Ion: 95 Resp: 62998
Ion Ratio Lower Upper
95 100
174 72.1 0.0 145.0
176 69.9 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043396.D
Acq: 15 Oct 2024 11:37 am

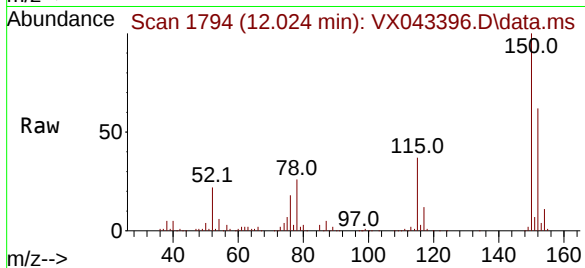
Tgt Ion: 117 Resp: 126772
Ion Ratio Lower Upper
117 100
82 55.3 45.0 67.6
119 30.8 25.3 37.9



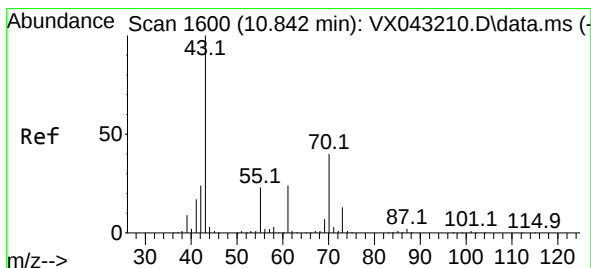
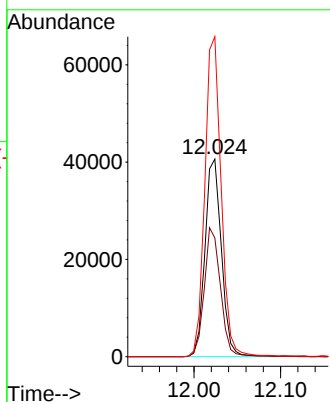
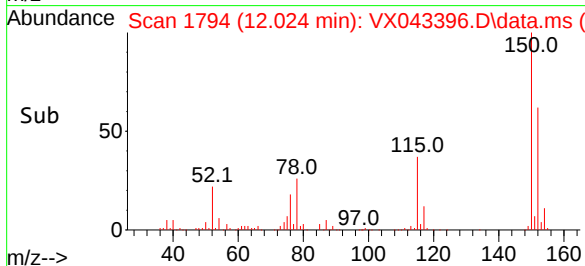


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX043396.D
 Acq: 15 Oct 2024 11:37

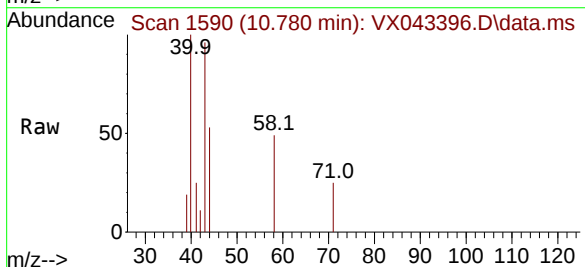
Instrument :
 MSVOA_X
 ClientSampleId :



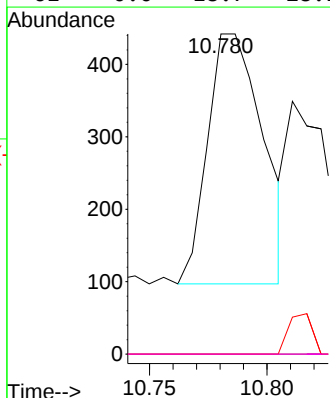
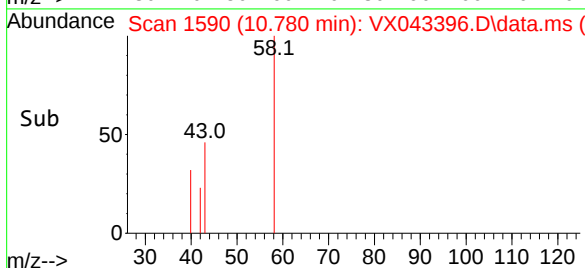
Tgt Ion:152 Resp: 53737
 Ion Ratio Lower Upper
 152 100
 115 64.1 44.1 132.3
 150 160.7 0.0 347.4

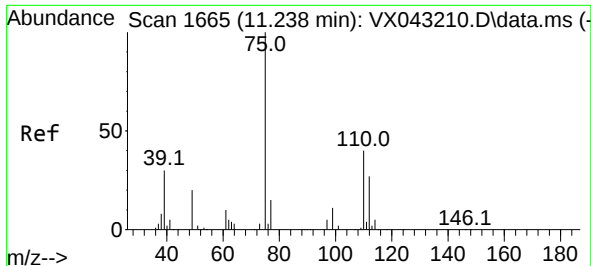


#74
 N-ethyl acetate
 Concen: 0.284 ug/l
 RT: 10.780 min Scan# 1590
 Delta R.T. -0.061 min
 Lab File: VX043396.D
 Acq: 15 Oct 2024 11:37 am



Tgt Ion: 43 Resp: 564
 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#

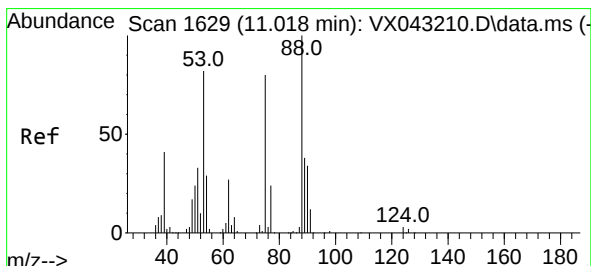
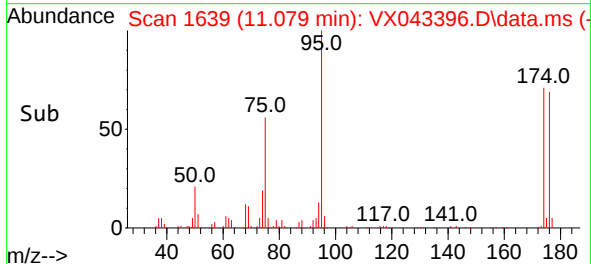
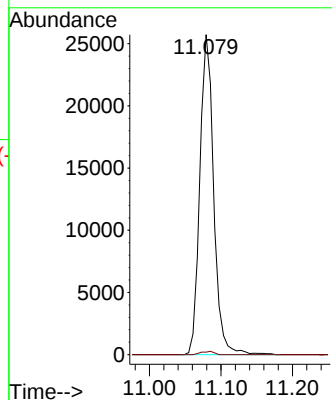
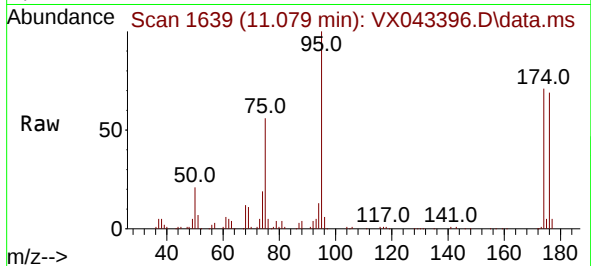




#76
1,2,3-Trichloropropane
Concen: 29.013 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043396.D
Acq: 15 Oct 2024 11:37

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 34582
Ion Ratio Lower Upper
75 100
77 1.0 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.192 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043396.D
Acq: 15 Oct 2024 11:37 am

Tgt Ion: 75 Resp: 34582
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

