

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100224\
 Data File : VX043239.D
 Acq On : 02 Oct 2024 18:14
 Operator : JC/MD
 Sample : P4236-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP2

Quant Time: Oct 03 02:37:22 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)

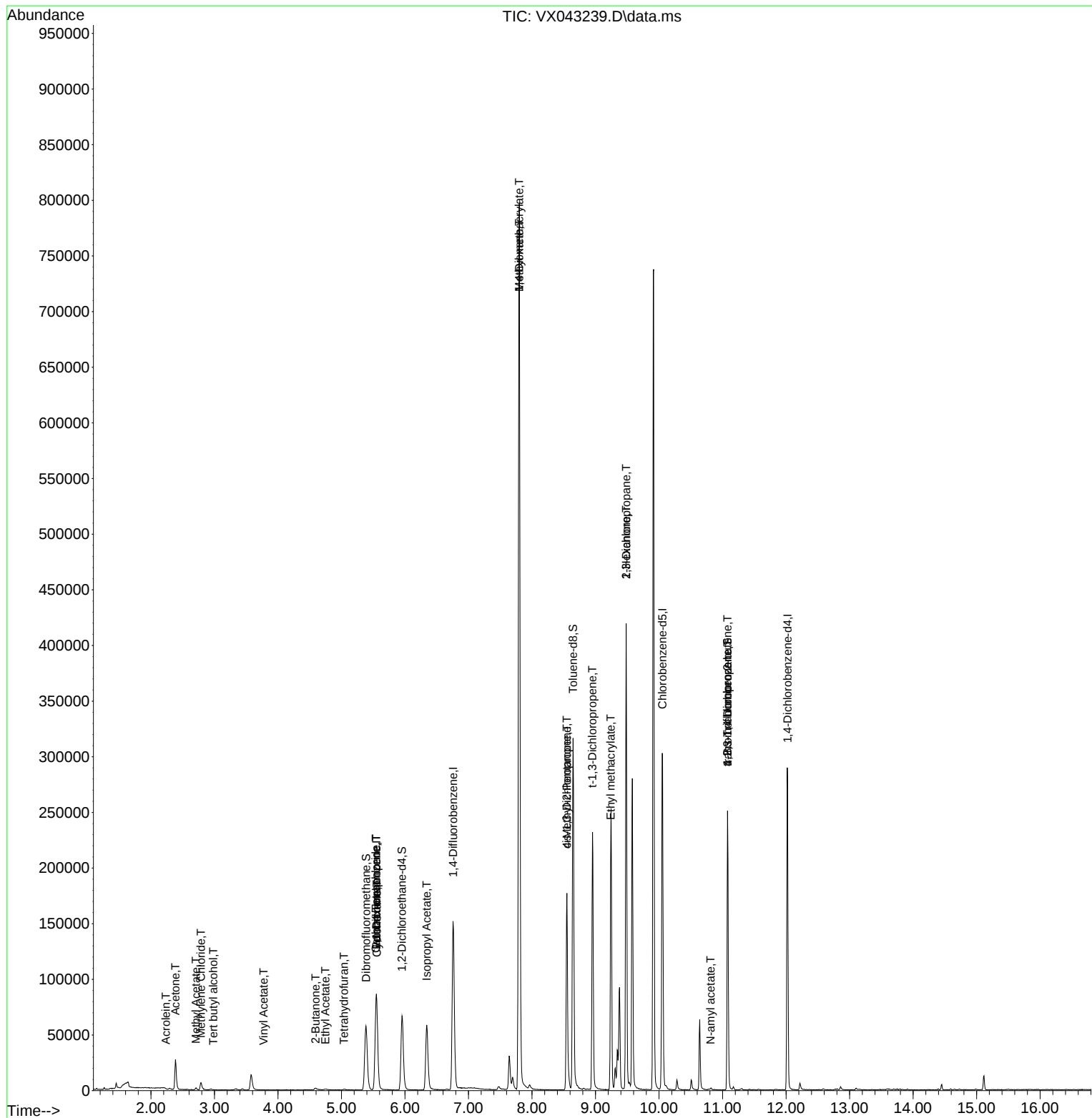
Internal Standards						
1) Pentafluorobenzene	5.550	168	77427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153567	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69367	54.857	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.720%	
35) Dibromofluoromethane	5.385	113	51092	48.243	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.480%	
50) Toluene-d8	8.647	98	184452	50.258	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.520%	
62) 4-Bromofluorobenzene	11.079	95	66664	49.998	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.000%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	390	1.621	ug/l #	71
13) Acrolein	2.233	56	151	0.664	ug/l	90
16) Acetone	2.386	43	29970	56.754	ug/l	99
18) Methyl Acetate	2.709	43	2321	1.752	ug/l #	89
20) Methylene Chloride	2.788	84	3501	3.596	ug/l	90
23) Vinyl Acetate	3.776	43	39	6.351	ug/l #	71
25) 2-Butanone	4.593	43	4289	5.924	ug/l	93
29) Tetrahydrofuran	5.038	42	570	1.236	ug/l #	76
31) Cyclohexane	5.556	56	1941	1.423	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	6997	5.230	ug/l #	49
37) Ethyl Acetate	4.745	43	1811	1.127	ug/l #	80
38) Carbon Tetrachloride	5.544	117	8806	5.560	ug/l #	14
43) Isopropyl Acetate	6.342	43	83044	31.292	ug/l	100
48) Methyl methacrylate	7.799	41	72980	56.047	ug/l #	45
49) 1,4-Dioxane	7.799	88	47	1.857	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	64973	40.311	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	438	0.281	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	27468	16.434	ug/l #	58
56) Ethyl methacrylate	9.238	69	446	0.270	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3450	2.005	ug/l #	43
59) 2-Hexanone	9.482	43	50454	41.394	ug/l #	52
74) N-amyl acetate	10.811	43	683	0.313	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	36166	27.614	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	36166	71.565	ug/l #	8

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

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TP2

Quant Time: Oct 03 02:37:22 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

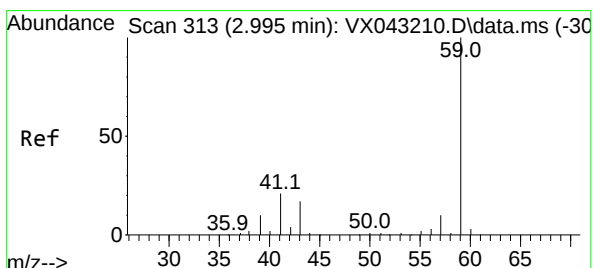
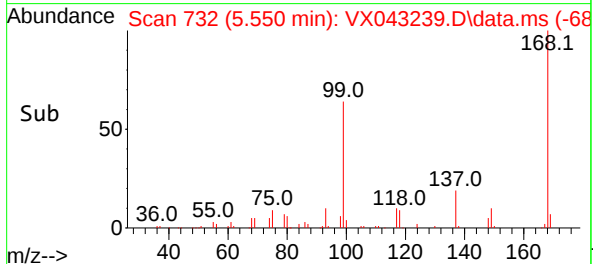
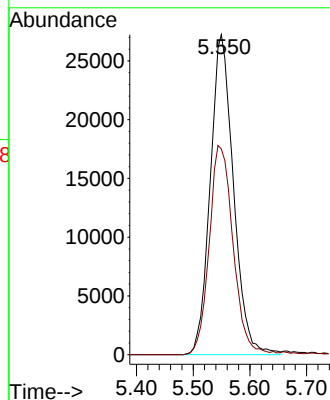
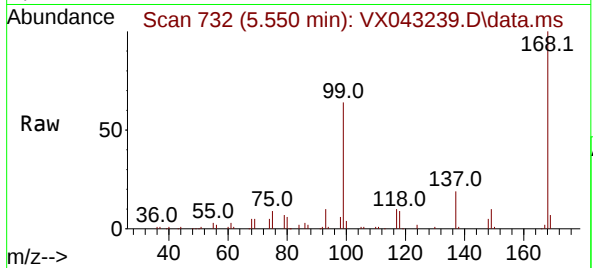




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

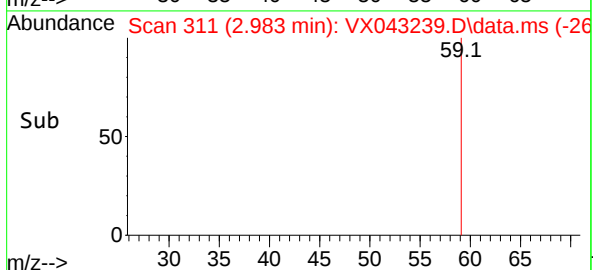
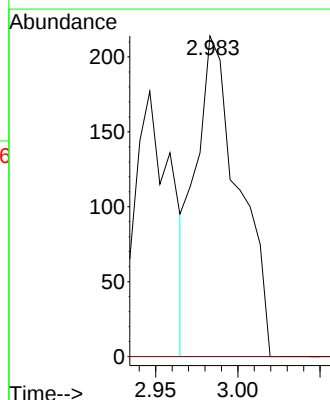
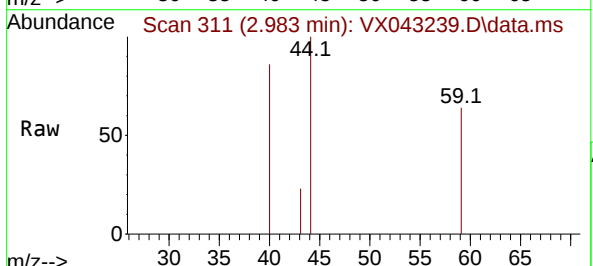
Instrument :
MSVOA_X
ClientSampleId :
TP2

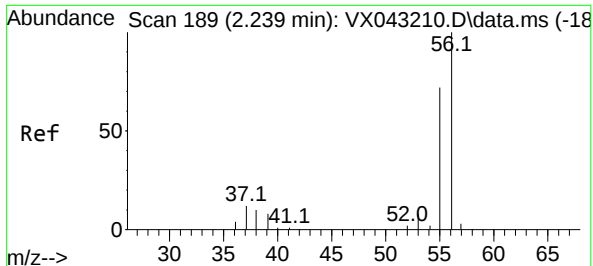
Tgt Ion:168 Resp: 77427
Ion Ratio Lower Upper
168 100
99 64.3 49.7 74.5



#11
Tert butyl alcohol
Concen: 1.621 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.012 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

Tgt Ion: 59 Resp: 390
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

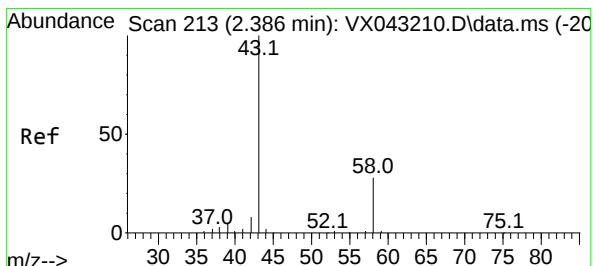
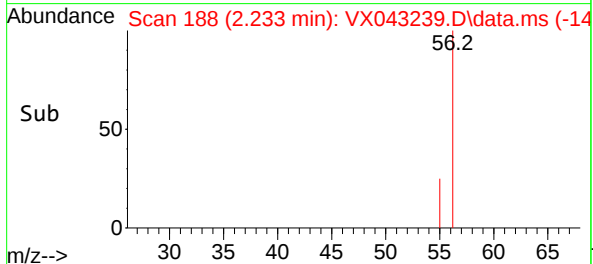
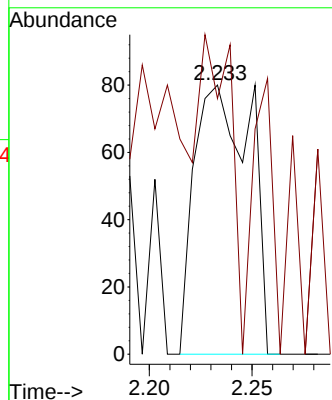
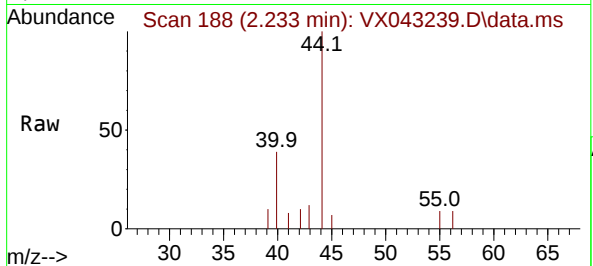




#13
Acrolein
Concen: 0.664 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

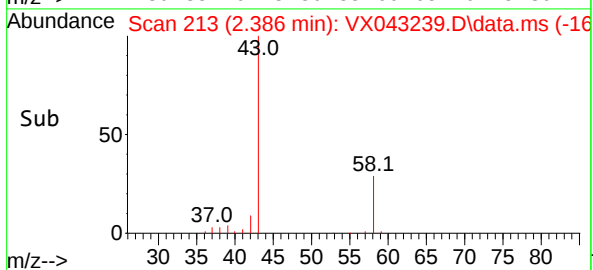
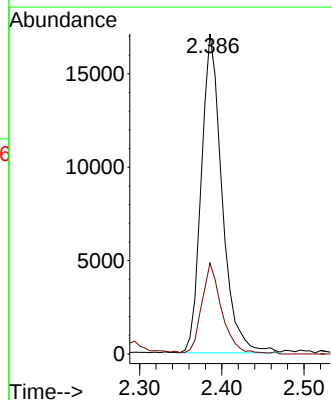
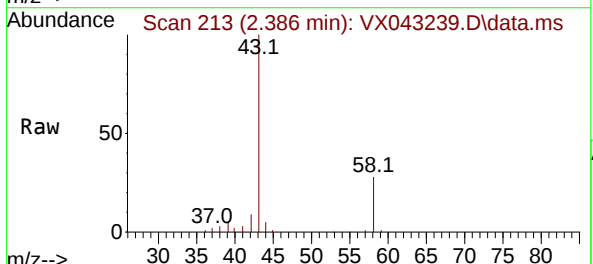
Instrument :
MSVOA_X
ClientSampleId :
TP2

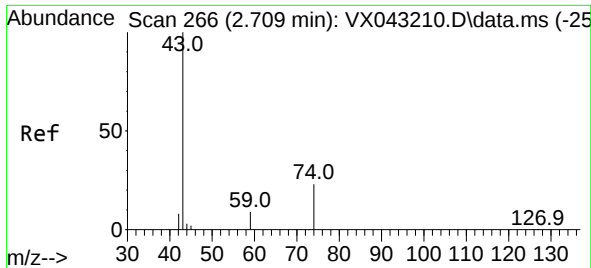
Tgt Ion: 56 Resp: 151
Ion Ratio Lower Upper
56 100
55 63.6 57.4 86.0



#16
Acetone
Concen: 56.754 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

Tgt Ion: 43 Resp: 29970
Ion Ratio Lower Upper
43 100
58 28.5 22.6 33.8

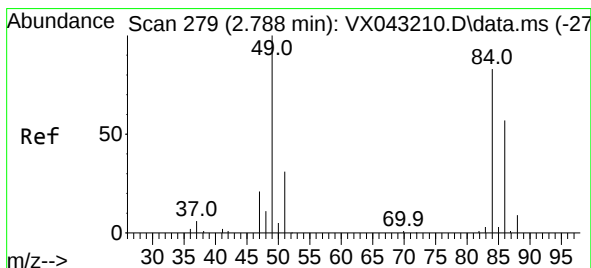
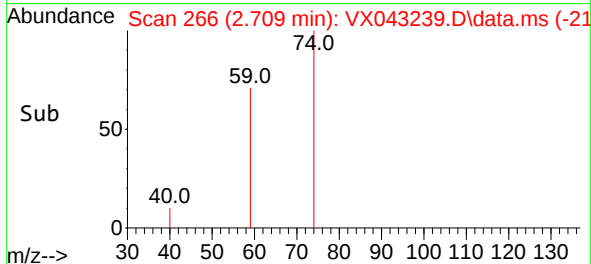
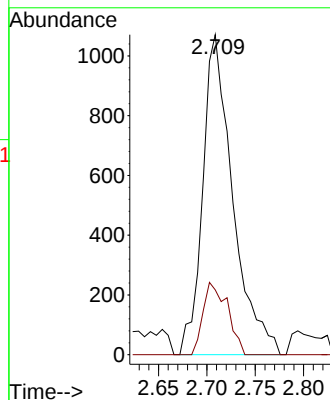
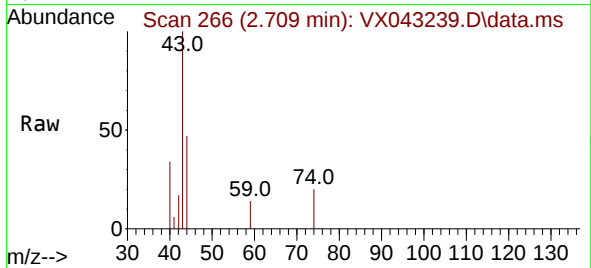




#18
Methyl Acetate
Concen: 1.752 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

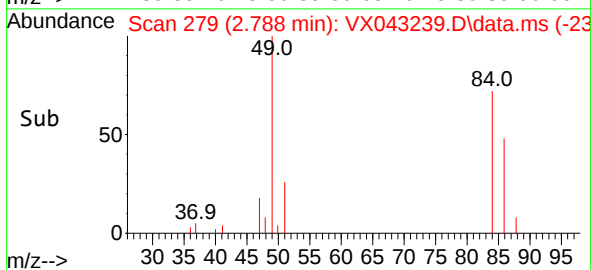
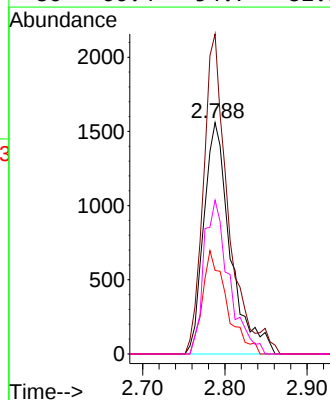
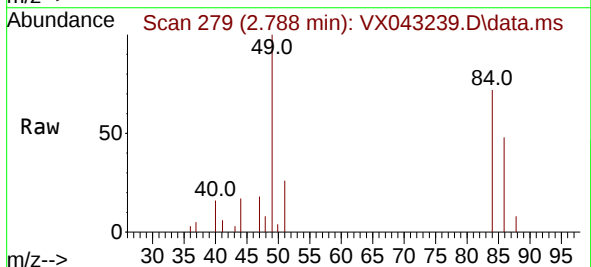
Instrument :
MSVOA_X
ClientSampleId :
TP2

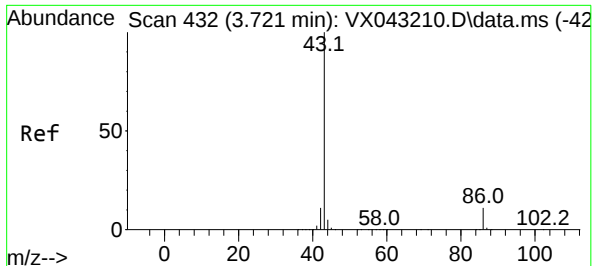
Tgt Ion: 43 Resp: 2321
Ion Ratio Lower Upper
43 100
74 18.4 19.1 28.7#



#20
Methylene Chloride
Concen: 3.596 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

Tgt Ion: 84 Resp: 3501
Ion Ratio Lower Upper
84 100
49 138.3 96.7 145.1
51 36.1 30.4 45.6
86 66.4 54.7 82.1

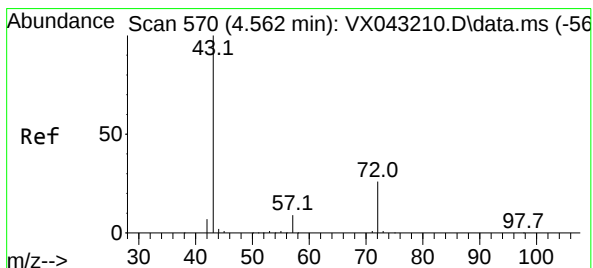
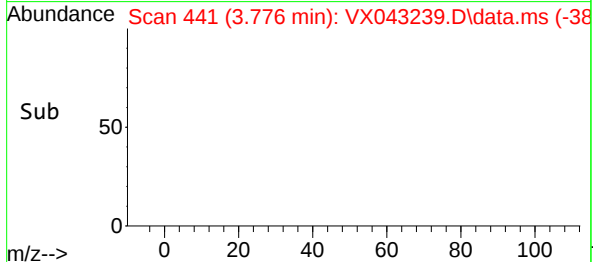
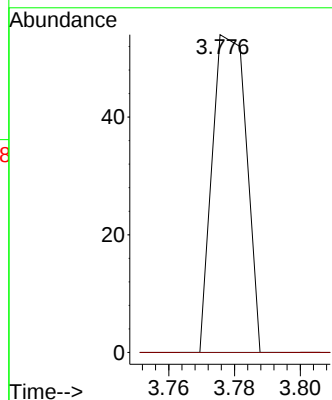
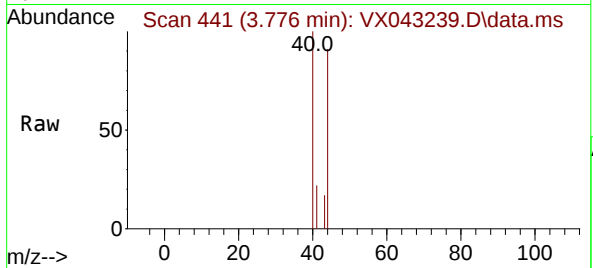




#23
 Vinyl Acetate
 Concen: 6.351 ug/l
 RT: 3.776 min Scan# 441
 Delta R.T. 0.055 min
 Lab File: VX043239.D
 Acq: 02 Oct 2024 18:14

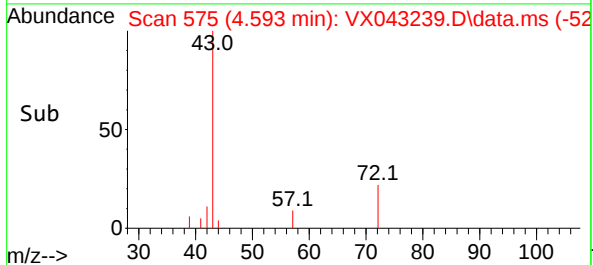
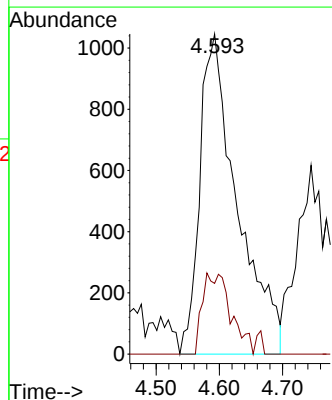
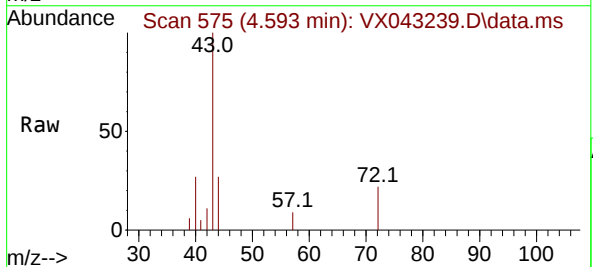
Instrument :
 MSVOA_X
 ClientSampleId :
 TP2

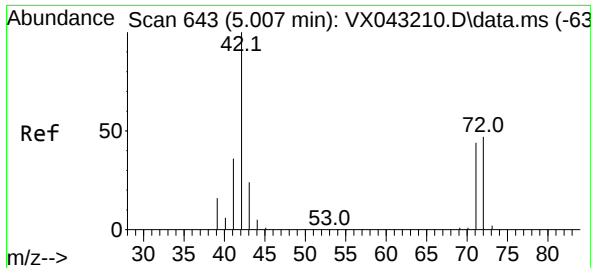
Tgt Ion: 43 Resp: 39
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 5.924 ug/l
 RT: 4.593 min Scan# 575
 Delta R.T. 0.030 min
 Lab File: VX043239.D
 Acq: 02 Oct 2024 18:14

Tgt Ion: 43 Resp: 4289
 Ion Ratio Lower Upper
 43 100
 72 22.1 20.6 31.0

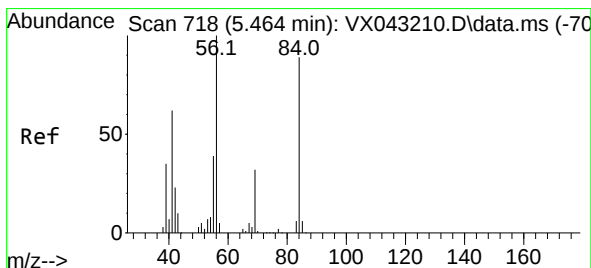
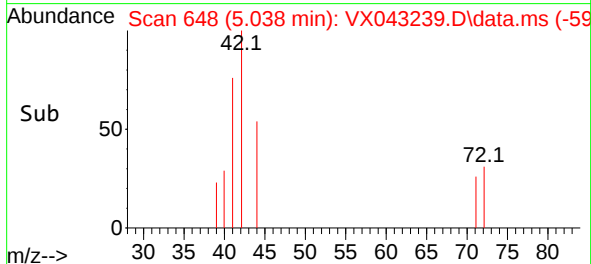
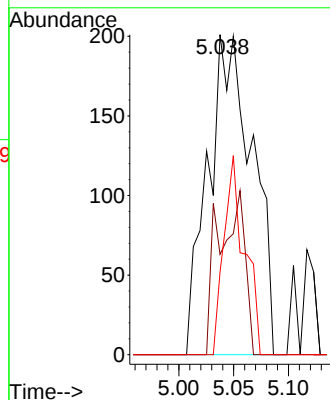
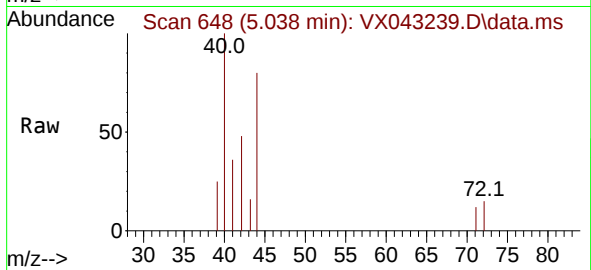




#29
Tetrahydrofuran
Concen: 1.236 ug/l
RT: 5.038 min Scan# 64
Delta R.T. 0.030 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

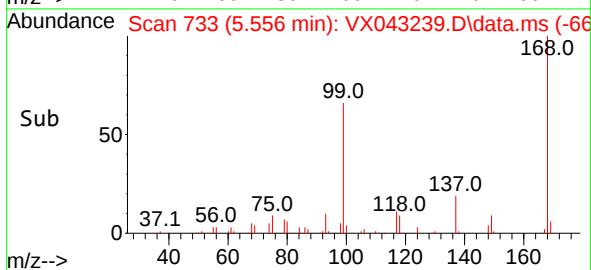
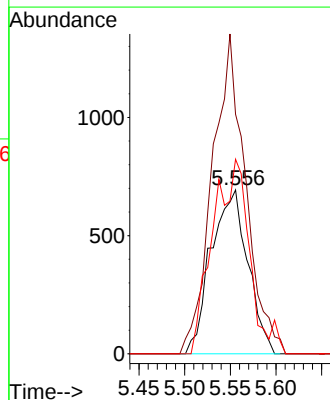
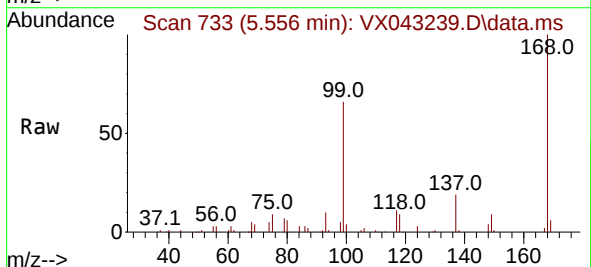
Instrument :
MSVOA_X
ClientSampleId :
TP2

Tgt Ion: 42 Resp: 570
Ion Ratio Lower Upper
42 100
72 29.6 37.7 56.5#
71 28.8 34.6 52.0#



#31
Cyclohexane
Concen: 1.423 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.091 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

Tgt Ion: 56 Resp: 1941
Ion Ratio Lower Upper
56 100
69 146.2 25.8 38.6#
84 118.8 71.1 106.7#

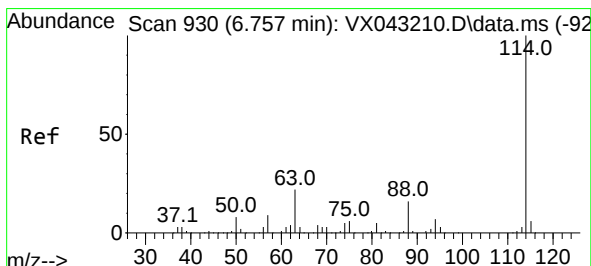
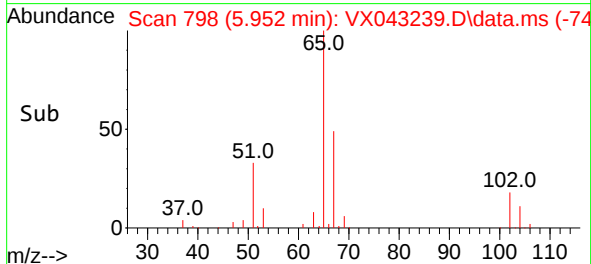
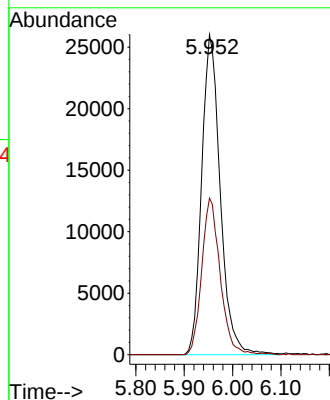
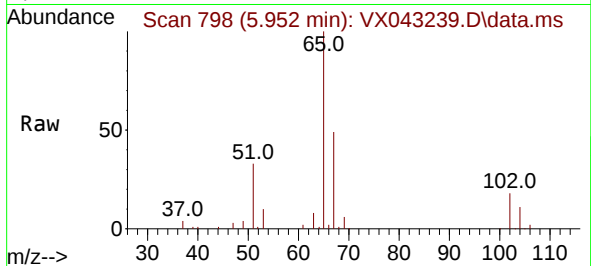




#33
 1,2-Dichloroethane-d4
 Concen: 54.857 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX043239.D
 Acq: 02 Oct 2024 18:14

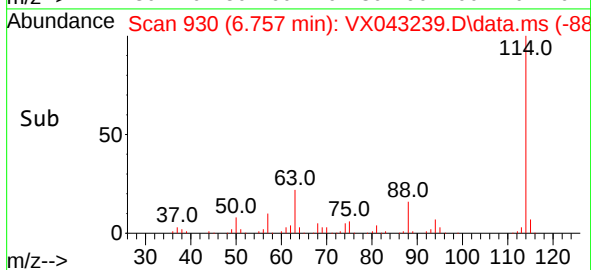
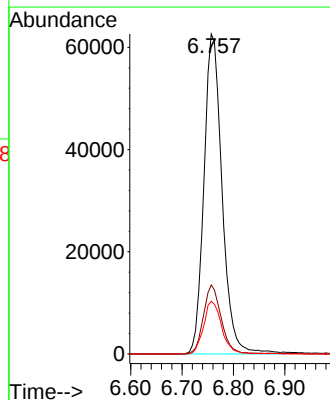
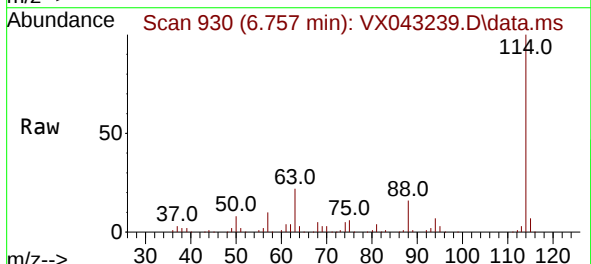
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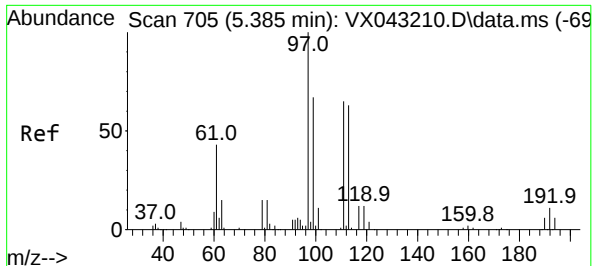
Tgt Ion: 65 Resp: 69367
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX043239.D
 Acq: 02 Oct 2024 18:14

Tgt Ion: 114 Resp: 153567
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.0
 88 16.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.243 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX043239.D

Acq: 02 Oct 2024 18:14

Instrument :

MSVOA_X

ClientSampleId :

TP2

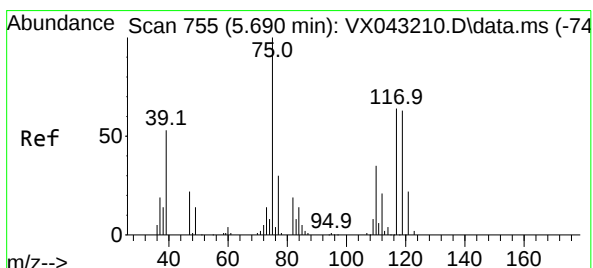
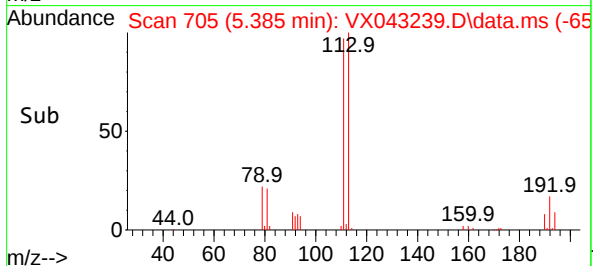
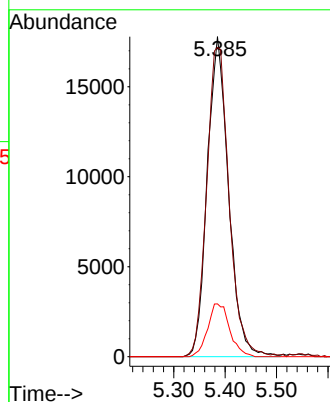
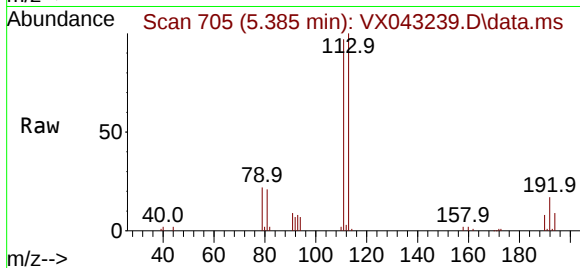
Tgt Ion:113 Resp: 51092

Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.0

192 17.1 14.1 21.1



#36

1,1-Dichloropropene

Concen: 5.230 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX043239.D

Acq: 02 Oct 2024 18:14

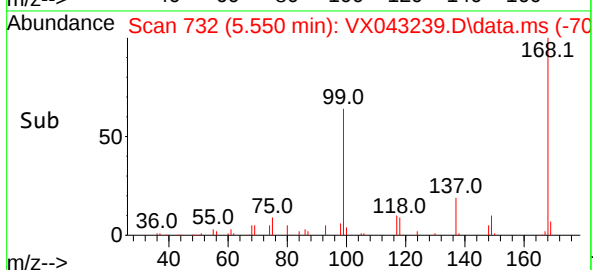
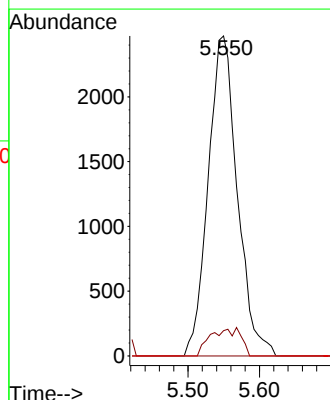
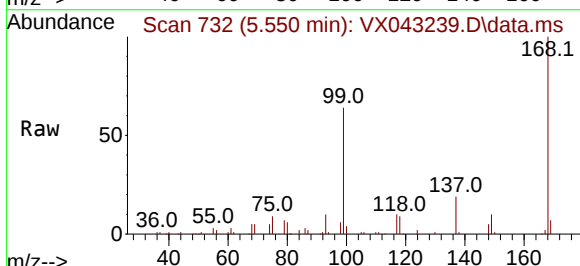
Tgt Ion: 75 Resp: 6997

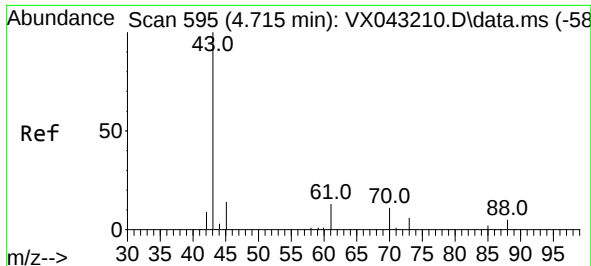
Ion Ratio Lower Upper

75 100

110 9.0 17.8 53.3#

77 0.0 24.9 37.3#

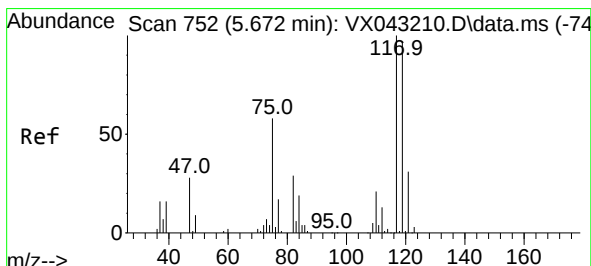
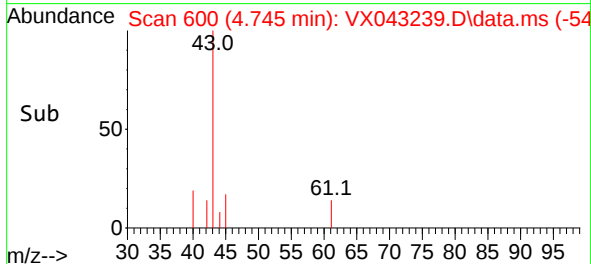
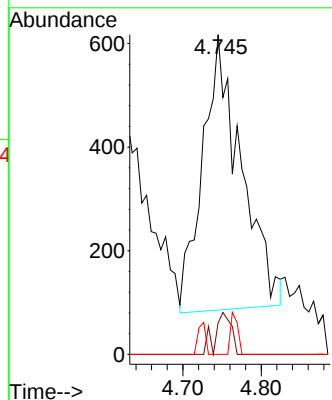
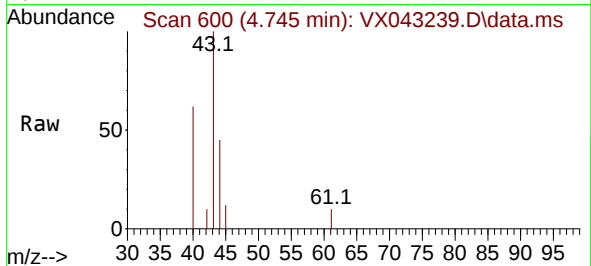




#37
Ethyl Acetate
Concen: 1.127 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.030 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

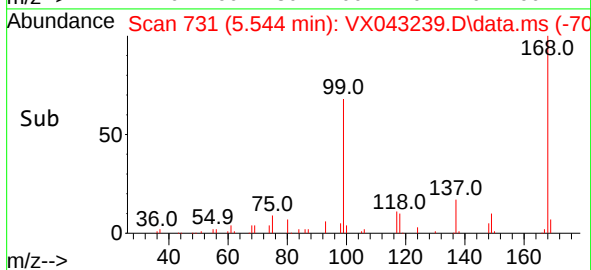
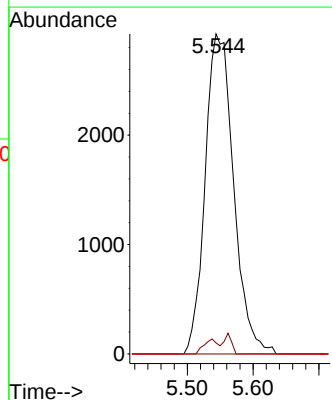
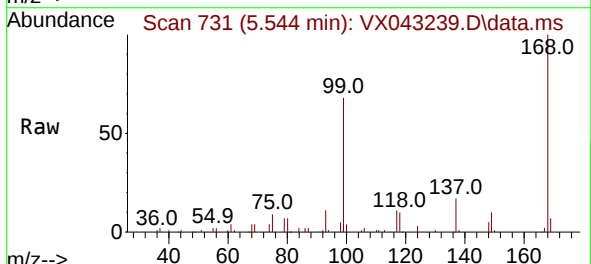
Instrument :
MSVOA_X
ClientSampleId :
TP2

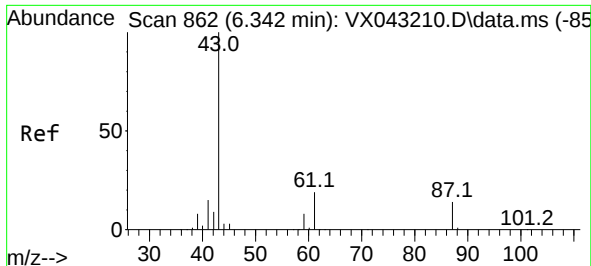
Tgt Ion	Ratio	Lower	Upper
43	100		
61	6.4	11.0	16.4#
70	2.9	8.9	13.3#



#38
Carbon Tetrachloride
Concen: 5.560 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.4	77.7	116.5#
121	0.0	24.3	36.5#

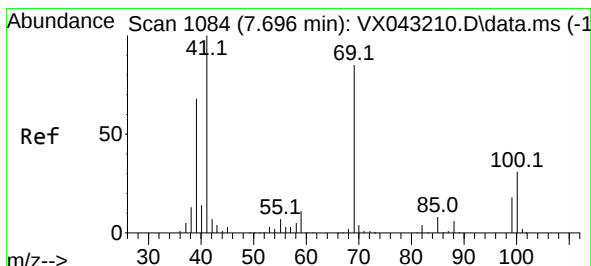
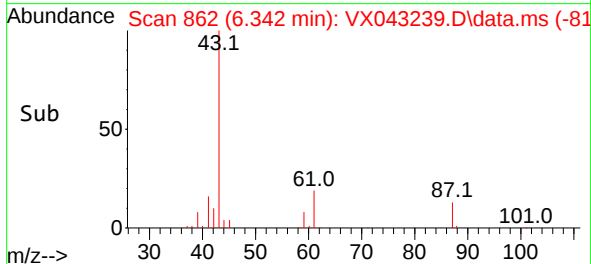
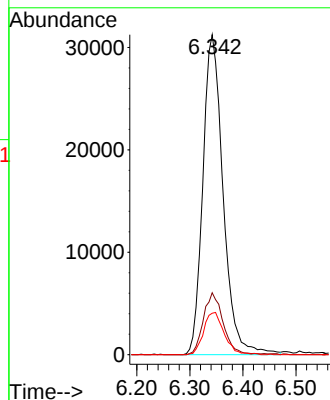
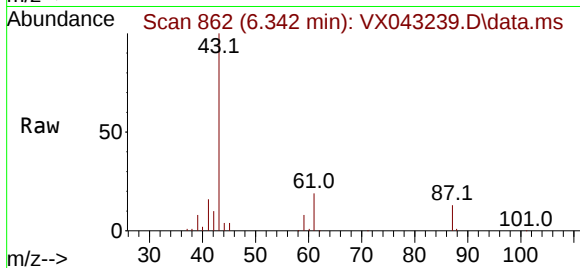




#43
Isopropyl Acetate
Concen: 31.292 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

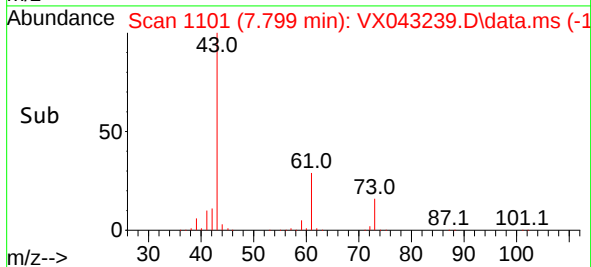
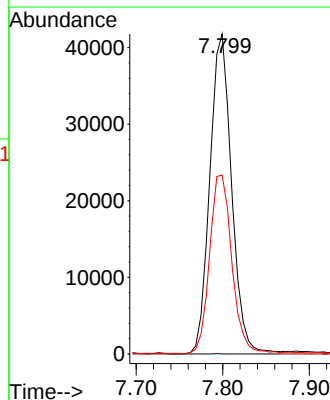
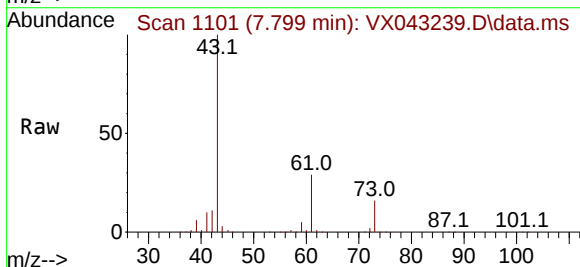
Instrument :
MSVOA_X
ClientSampleId :
TP2

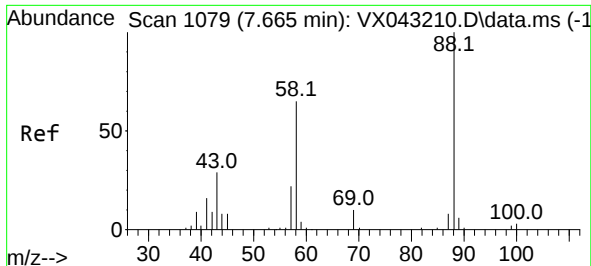
Tgt Ion: 43 Resp: 83044
Ion Ratio Lower Upper
43 100
61 18.8 15.1 22.7
87 13.4 10.8 16.2



#48
Methyl methacrylate
Concen: 56.047 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

Tgt Ion: 41 Resp: 72980
Ion Ratio Lower Upper
41 100
69 0.0 64.1 96.1#
39 57.0 52.8 79.2

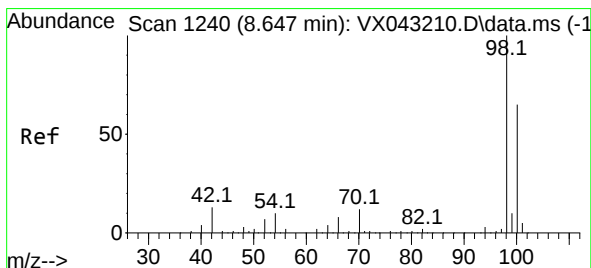
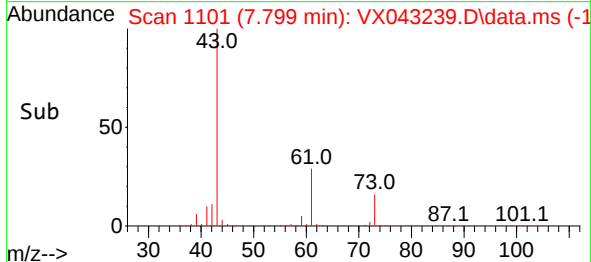
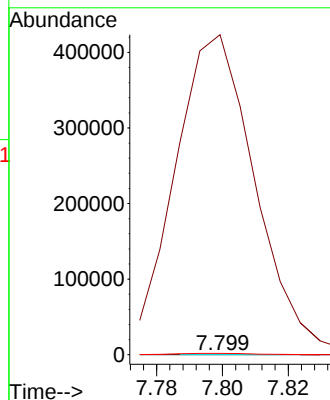
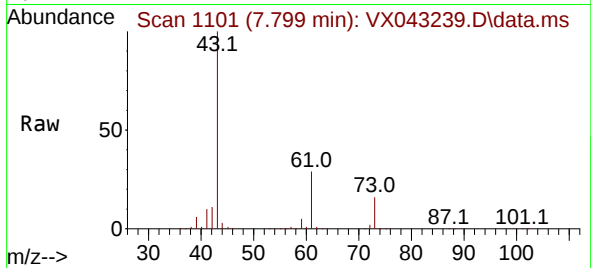




#49
1,4-Dioxane
Concen: 1.857 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

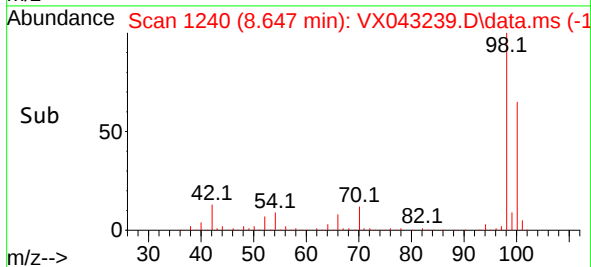
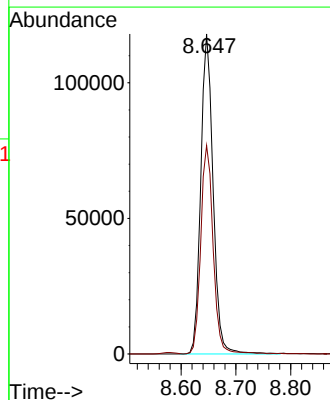
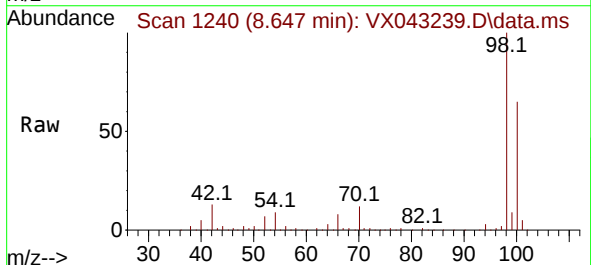
Instrument :
MSVOA_X
ClientSampleId :
TP2

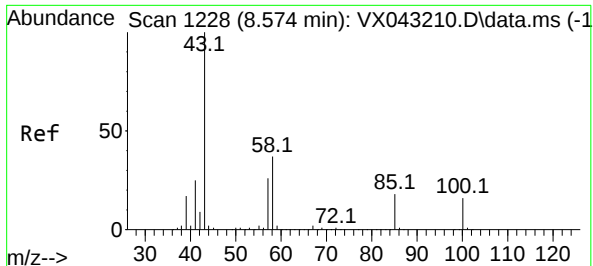
Tgt Ion: 88 Resp: 47
Ion Ratio Lower Upper
88 100
43 1575966.0 29.5 44.3#
58 6459.6 55.2 82.8#



#50
Toluene-d8
Concen: 50.258 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

Tgt Ion: 98 Resp: 184452
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 40.311 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX043239.D

Acq: 02 Oct 2024 18:14

Instrument :

MSVOA_X

ClientSampleId :

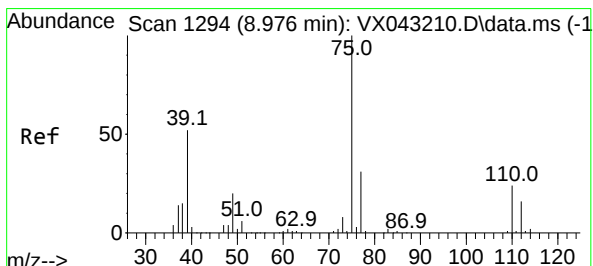
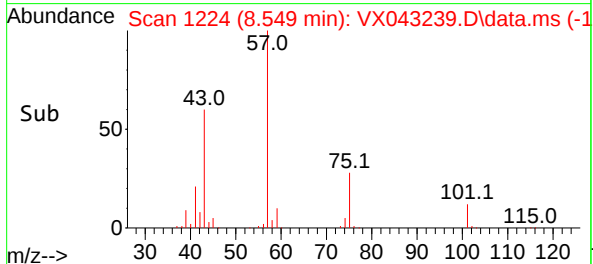
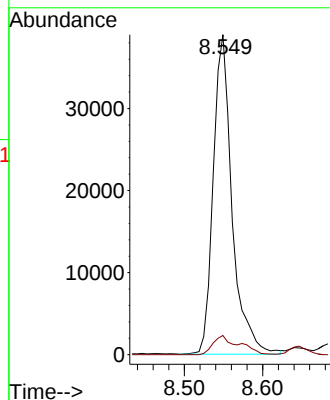
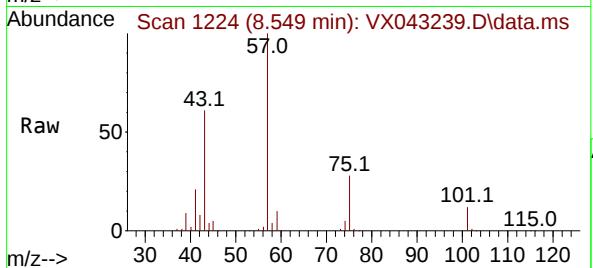
TP2

Tgt Ion: 43 Resp: 64973

Ion Ratio Lower Upper

43 100

58 8.3 30.0 45.0#



#53

t-1,3-Dichloropropene

Concen: 0.281 ug/l

RT: 8.951 min Scan# 1290

Delta R.T. -0.025 min

Lab File: VX043239.D

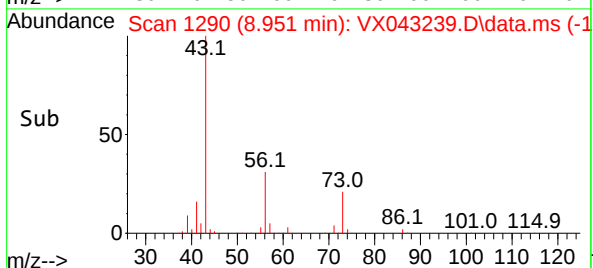
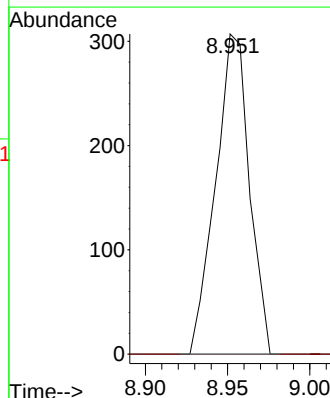
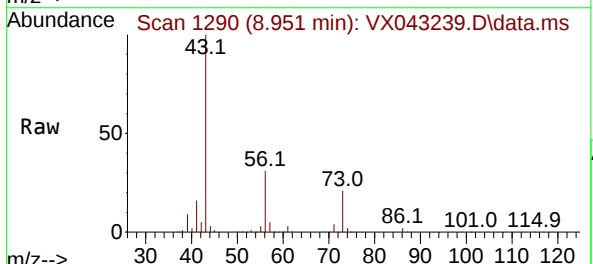
Acq: 02 Oct 2024 18:14

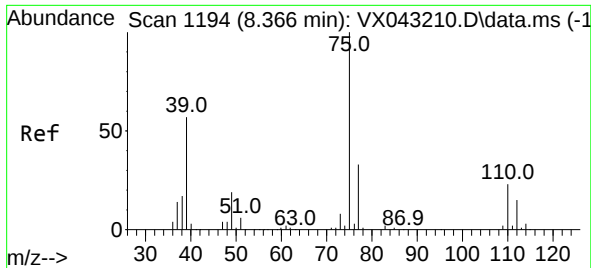
Tgt Ion: 75 Resp: 438

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

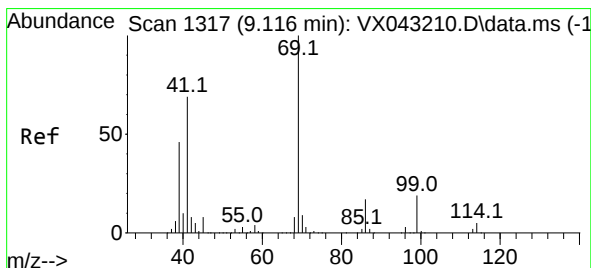
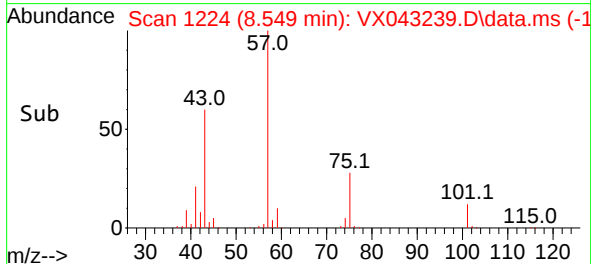
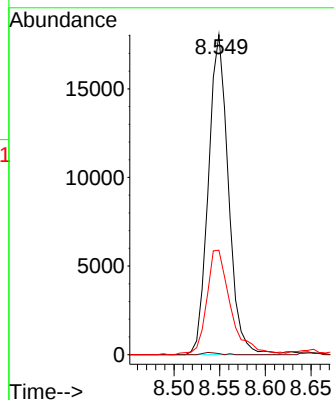
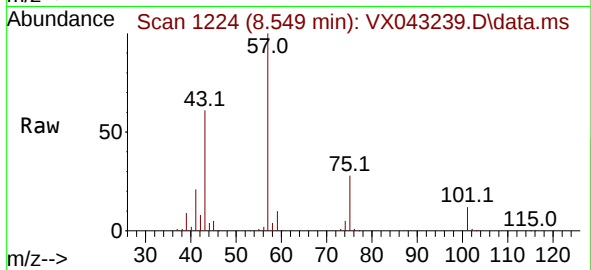




#54
 cis-1,3-Dichloropropene
 Concen: 16.434 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043239.D
 Acq: 02 Oct 2024 18:14

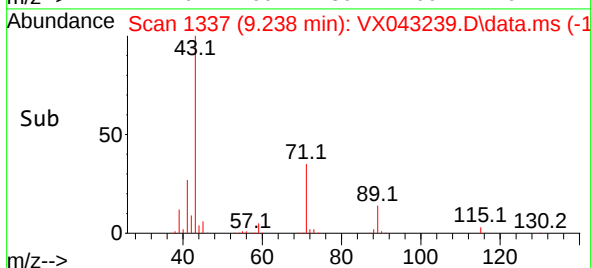
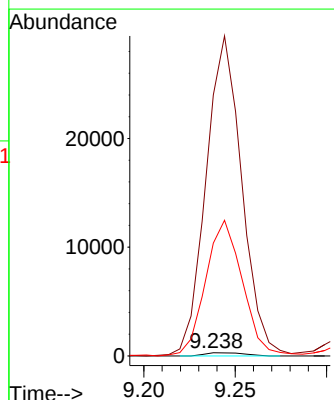
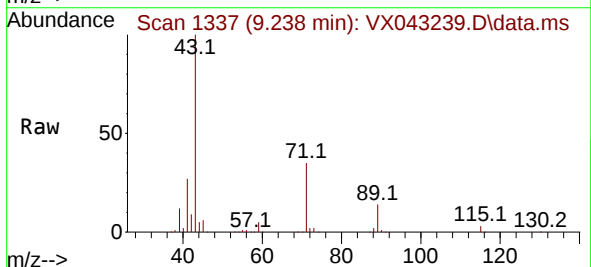
Instrument :
 MSVOA_X
 ClientSampleId :
 TP2

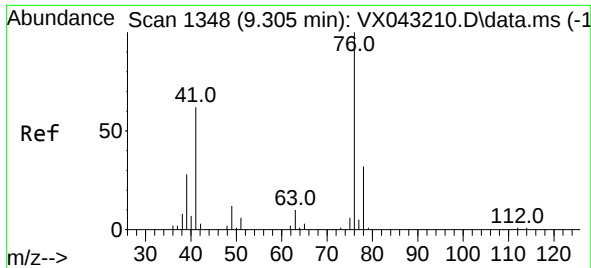
Tgt Ion: 75 Resp: 27468
 Ion Ratio Lower Upper
 75 100
 77 0.3 26.0 39.0#
 39 32.2 45.8 68.8#



#56
 Ethyl methacrylate
 Concen: 0.270 ug/l
 RT: 9.238 min Scan# 1337
 Delta R.T. 0.122 min
 Lab File: VX043239.D
 Acq: 02 Oct 2024 18:14

Tgt Ion: 69 Resp: 446
 Ion Ratio Lower Upper
 69 100
 41 9024.0 56.1 84.1#
 39 3940.4 36.4 54.6#





#57

1,3-Dichloropropane

Concen: 2.005 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043239.D

Acq: 02 Oct 2024 18:14

Instrument :

MSVOA_X

ClientSampleId :

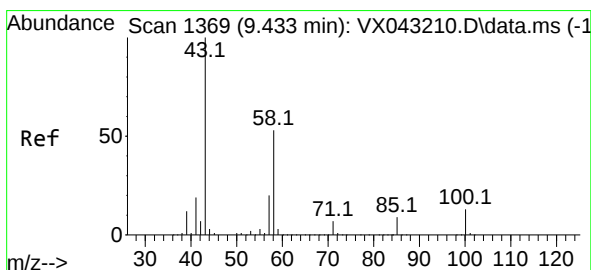
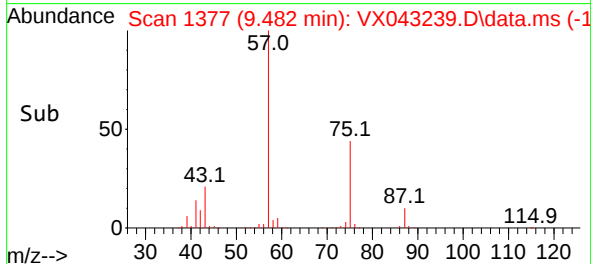
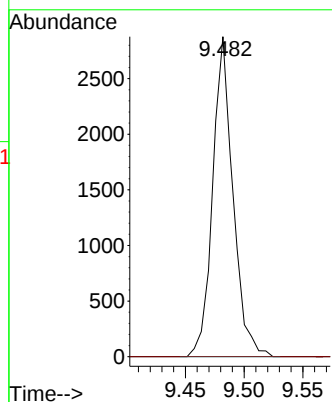
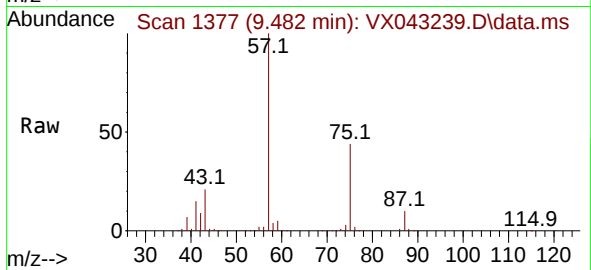
TP2

Tgt Ion: 76 Resp: 3450

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 41.394 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043239.D

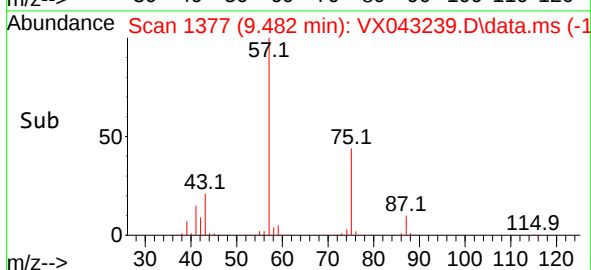
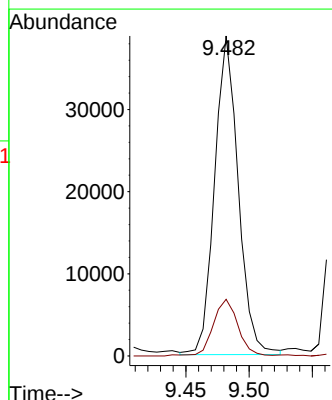
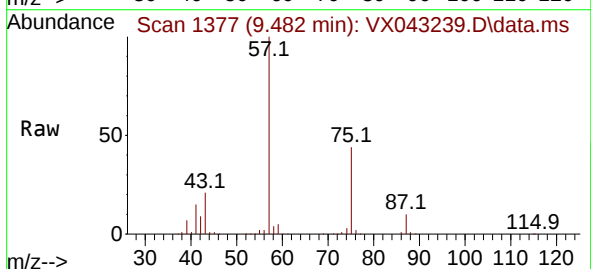
Acq: 02 Oct 2024 18:14

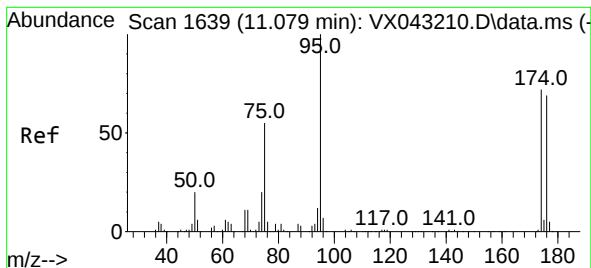
Tgt Ion: 43 Resp: 50454

Ion Ratio Lower Upper

43 100

58 18.6 26.1 78.3#

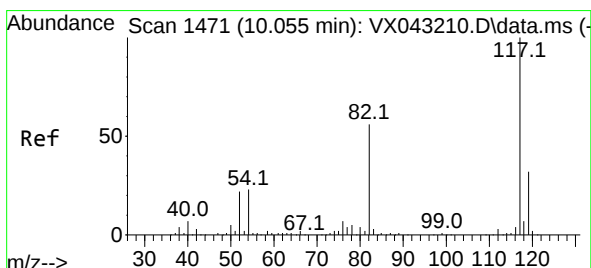
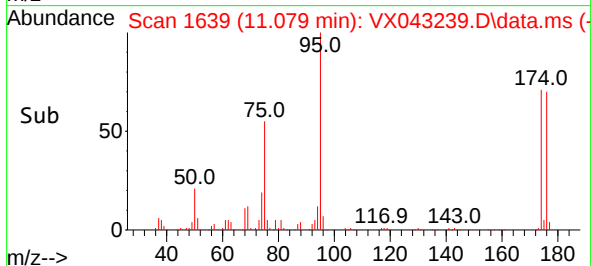
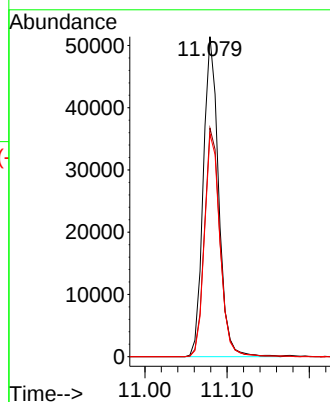
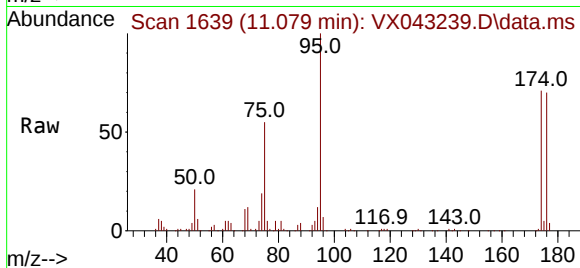




#62
4-Bromofluorobenzene
Concen: 49.998 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

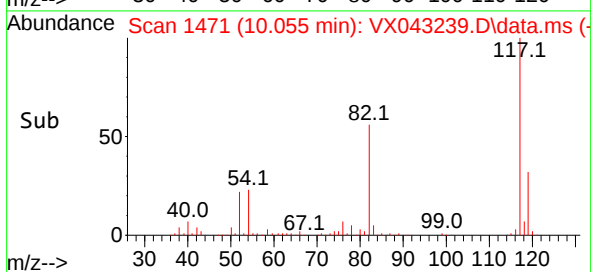
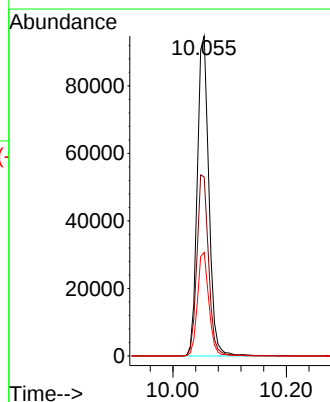
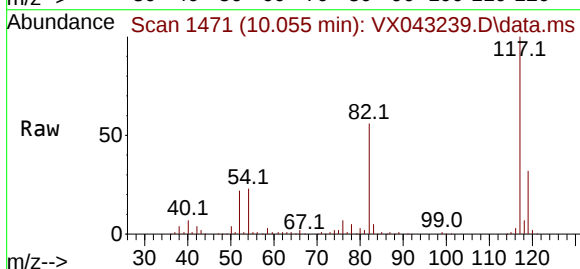
Instrument :
MSVOA_X
ClientSampleId :
TP2

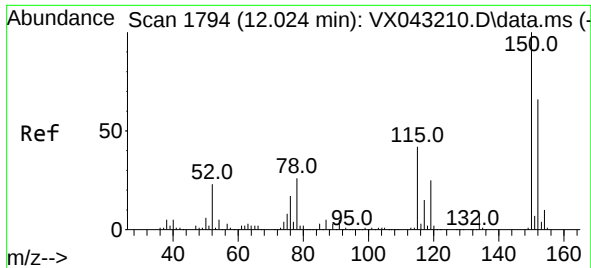
Tgt Ion: 95 Resp: 66664
Ion Ratio Lower Upper
95 100
174 72.3 0.0 145.0
176 70.3 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

Tgt Ion: 117 Resp: 134445
Ion Ratio Lower Upper
117 100
82 56.0 45.0 67.6
119 32.4 25.3 37.9

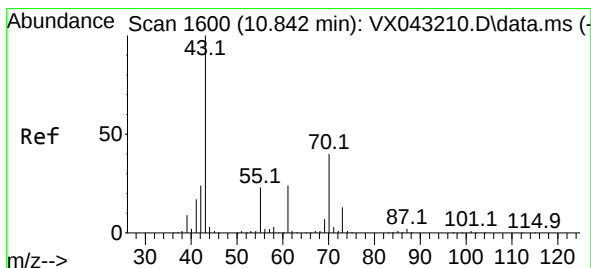
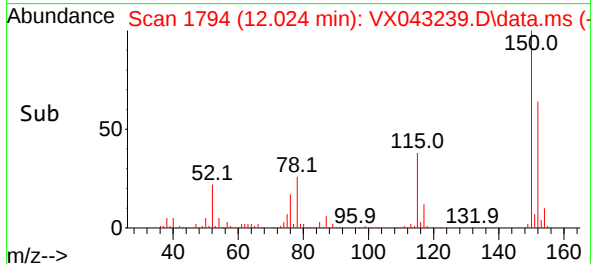
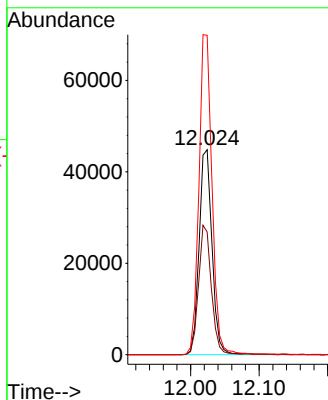
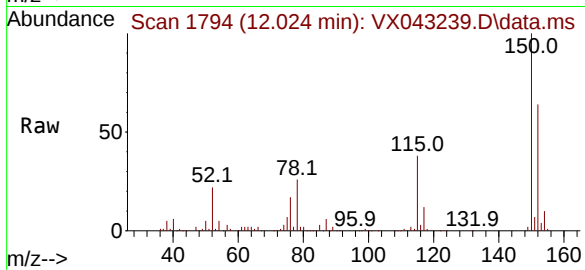




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

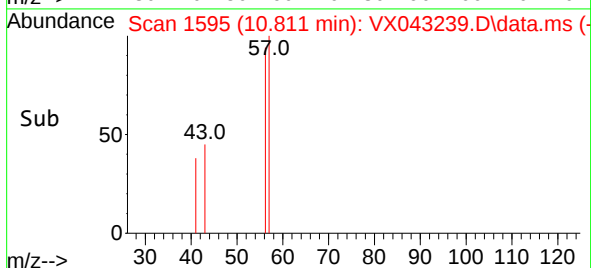
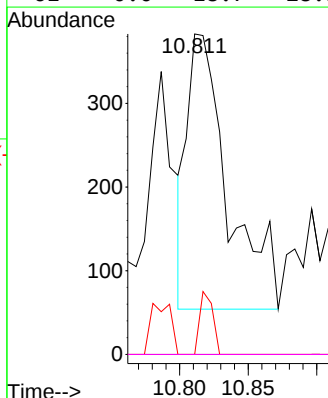
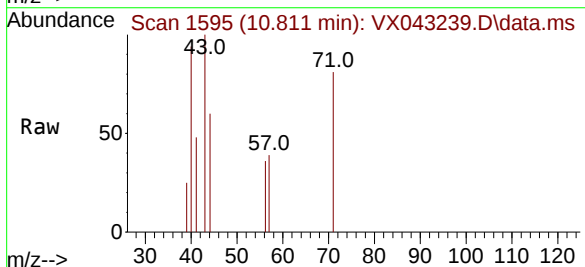
Instrument :
MSVOA_X
ClientSampleId :
TP2

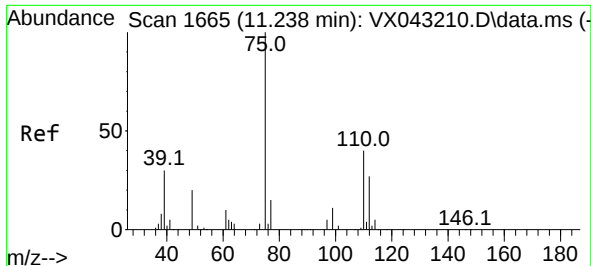
Tgt Ion:152 Resp: 59046
Ion Ratio Lower Upper
152 100
115 62.4 44.1 132.3
150 157.7 0.0 347.4



#74
N-ethyl acetate
Concen: 0.313 ug/l
RT: 10.811 min Scan# 1595
Delta R.T. -0.031 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

Tgt Ion: 43 Resp: 683
Ion Ratio Lower Upper
43 100
70 0.0 33.1 49.7#
55 7.3 18.6 27.8#
61 0.0 18.7 28.1#

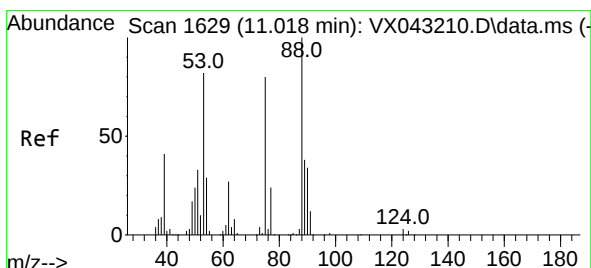
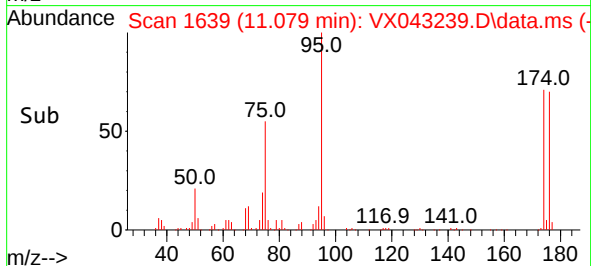
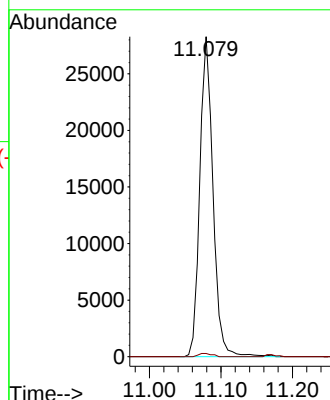
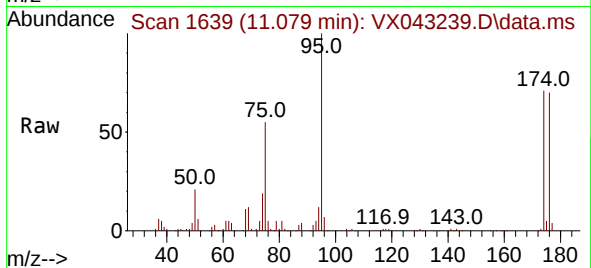




#76
1,2,3-Trichloropropane
Concen: 27.614 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

Instrument :
MSVOA_X
ClientSampleId :
TP2

Tgt Ion: 75 Resp: 36166
Ion Ratio Lower Upper
75 100
77 1.0 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.565 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043239.D
Acq: 02 Oct 2024 18:14

Tgt Ion: 75 Resp: 36166
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

