

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102124\
 Data File : VX043467.D
 Acq On : 21 Oct 2024 20:03
 Operator : JC/MD
 Sample : P4443-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

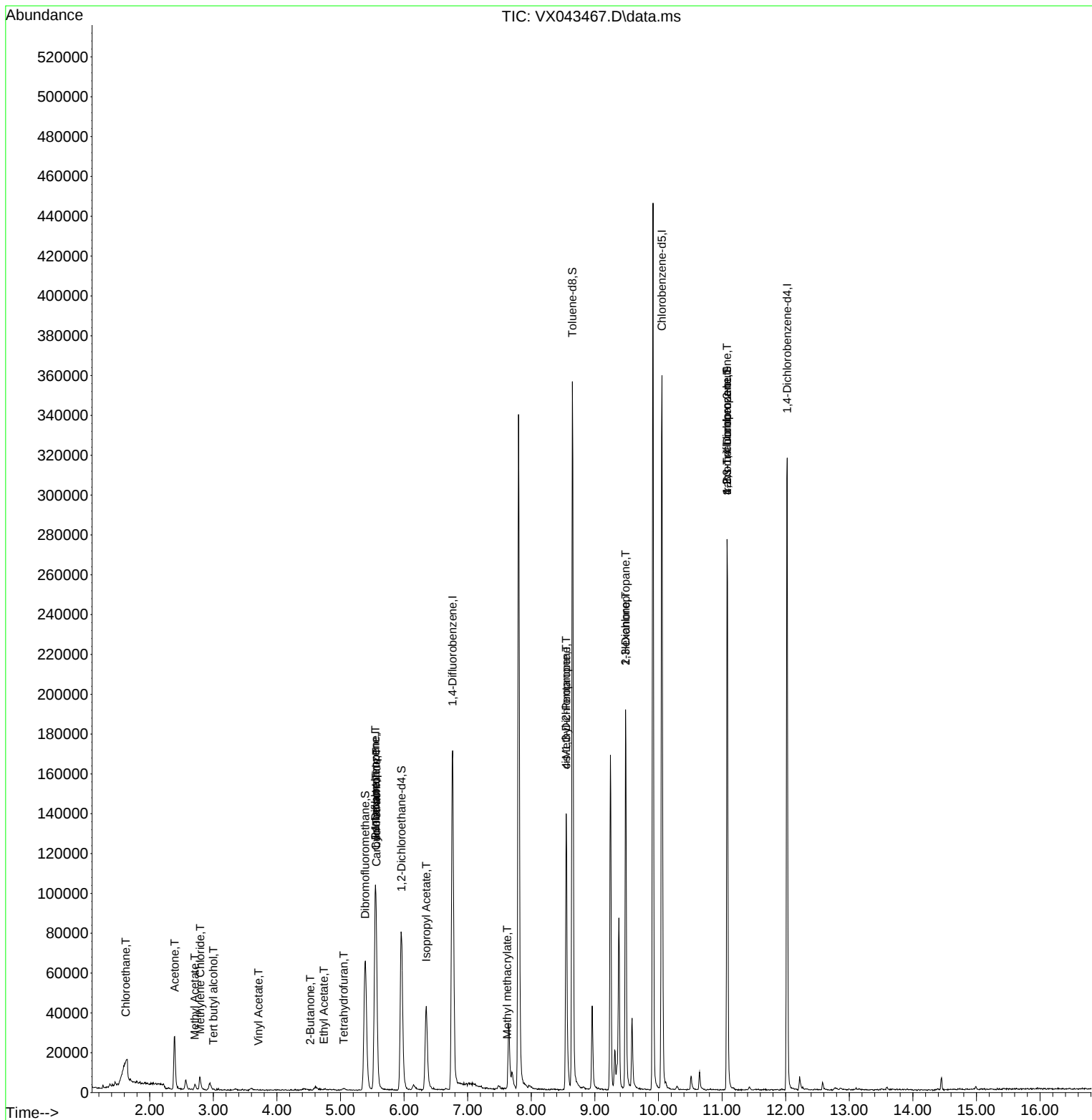
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 22 02:45:24 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	94417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	176510	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79895	51.813	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.620%	
35) Dibromofluoromethane	5.385	113	59286	48.704	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.400%	
50) Toluene-d8	8.647	98	210204	49.830	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.660%	
62) 4-Bromofluorobenzene	11.079	95	79197	51.677	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.360%	
Target Compounds						Qvalue
6) Chloroethane	1.624	64	168	0.398	ug/l #	42
11) Tert butyl alcohol	3.001	59	308	1.050	ug/l #	71
16) Acetone	2.392	43	32138	49.908	ug/l	96
18) Methyl Acetate	2.709	43	3379	2.092	ug/l #	90
20) Methylene Chloride	2.794	84	3077	2.592	ug/l #	88
23) Vinyl Acetate	3.709	43	23	6.345	ug/l #	71
25) 2-Butanone	4.526	43	180	0.204	ug/l #	49
29) Tetrahydrofuran	5.050	42	795	1.413	ug/l #	59
31) Cyclohexane	5.556	56	2353	1.414	ug/l #	45
36) 1,1-Dichloropropene	5.550	75	8263	5.373	ug/l #	48
37) Ethyl Acetate	4.739	43	379	0.205	ug/l #	87
38) Carbon Tetrachloride	5.562	117	10849	5.959	ug/l #	14
43) Isopropyl Acetate	6.348	43	61019	20.004	ug/l	99
48) Methyl methacrylate	7.623	41	1377	0.920	ug/l #	31
51) 4-Methyl-2-Pentanone	8.549	43	52290	28.225	ug/l #	47
54) cis-1,3-Dichloropropene	8.549	75	21821	11.358	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	1849	0.935	ug/l #	43
59) 2-Hexanone	9.482	43	26295	18.769	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	41668	28.449	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	41668	73.731	ug/l #	8

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

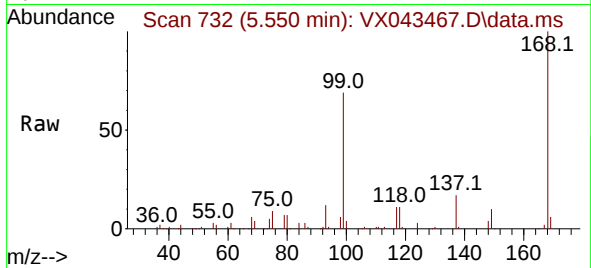
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration



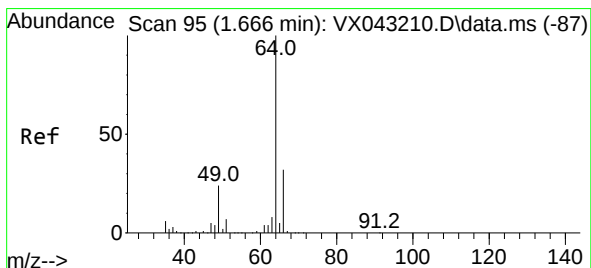
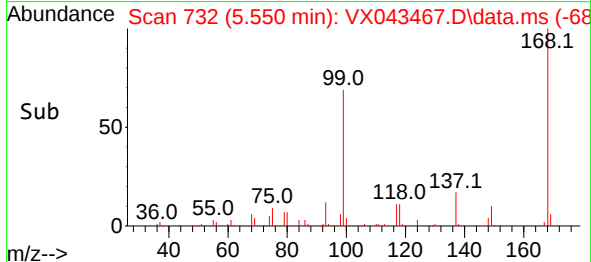
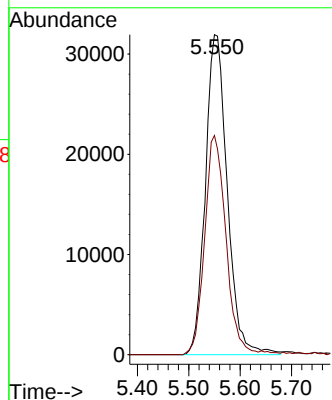


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043467.D
Acq: 21 Oct 2024 20:03

Instrument :
MSVOA_X
ClientSampleId :

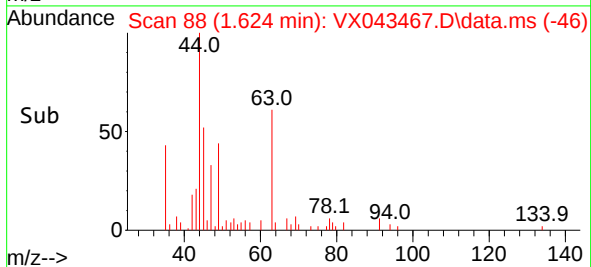
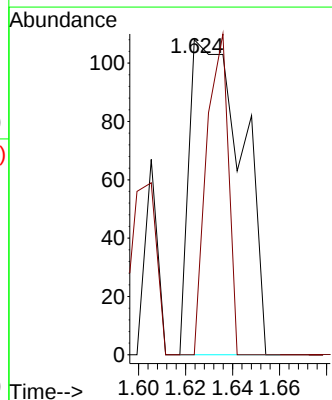
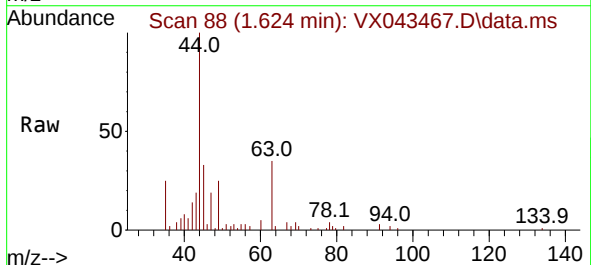


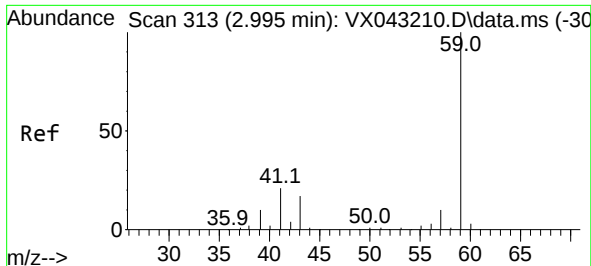
Tgt Ion:168 Resp: 94417
Ion Ratio Lower Upper
168 100
99 68.5 49.7 74.5



#6
Chloroethane
Concen: 0.398 ug/l
RT: 1.624 min Scan# 88
Delta R.T. -0.043 min
Lab File: VX043467.D
Acq: 21 Oct 2024 20:03

Tgt Ion: 64 Resp: 168
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#





#11

Tert butyl alcohol

Concen: 1.050 ug/l

RT: 3.001 min Scan# 31

Delta R.T. 0.006 min

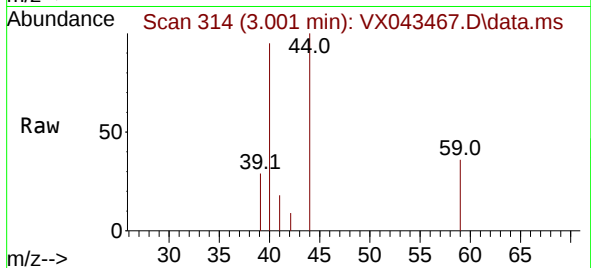
Lab File: VX043467.D

Acq: 21 Oct 2024 20:03

Instrument :

MSVOA_X

ClientSampleId :

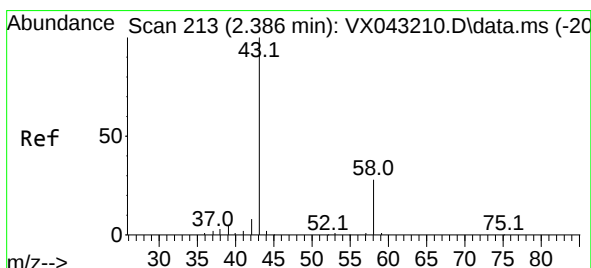
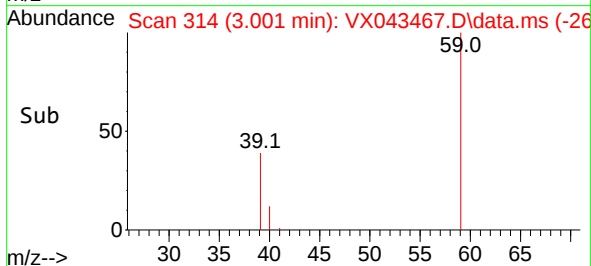
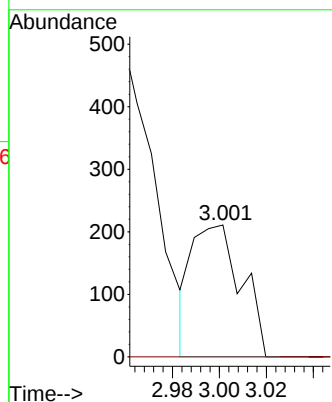


Tgt Ion: 59 Resp: 308

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#16

Acetone

Concen: 49.908 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX043467.D

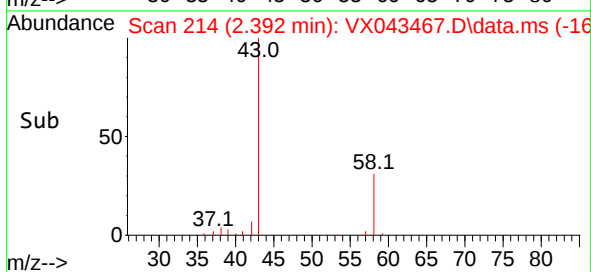
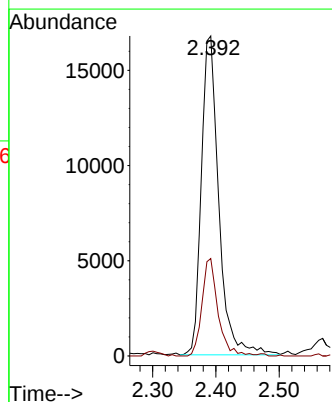
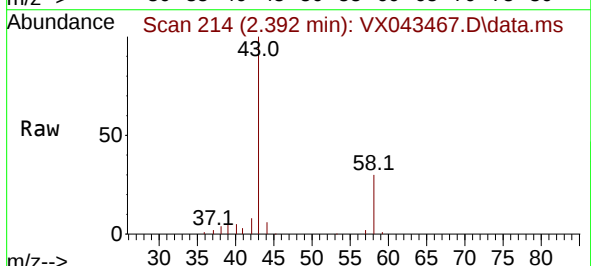
Acq: 21 Oct 2024 20:03

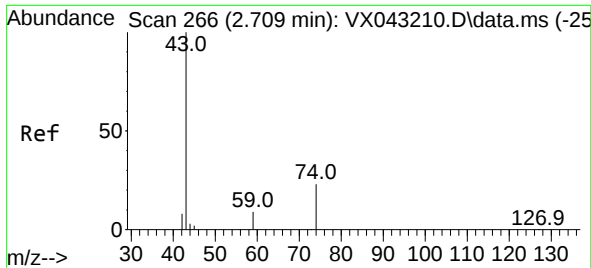
Tgt Ion: 43 Resp: 32138

Ion Ratio Lower Upper

43 100

58 30.6 22.6 33.8

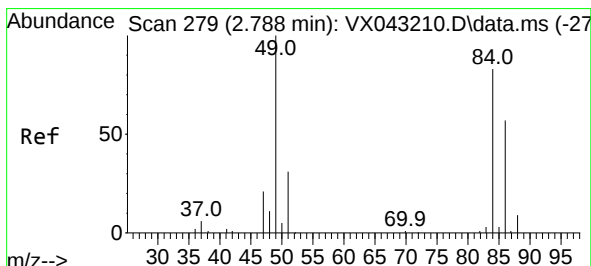
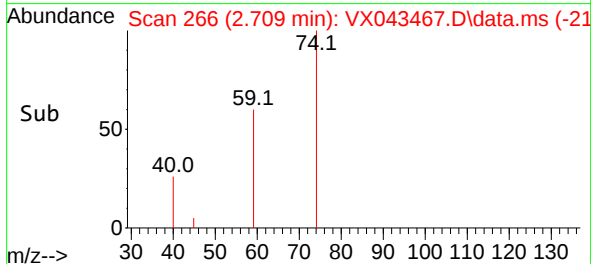
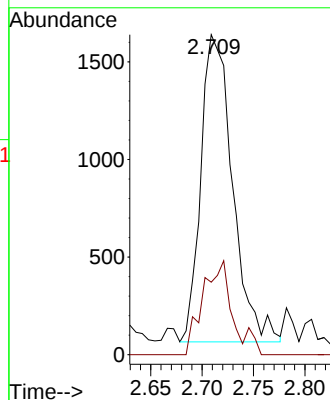
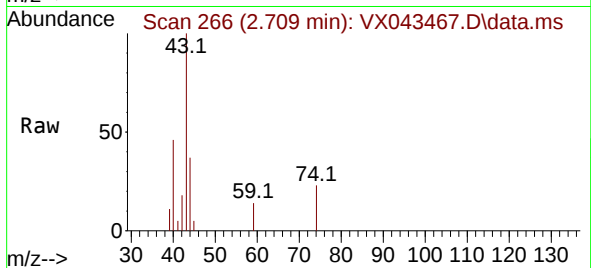




#18
Methyl Acetate
Concen: 2.092 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043467.D
Acq: 21 Oct 2024 20:03

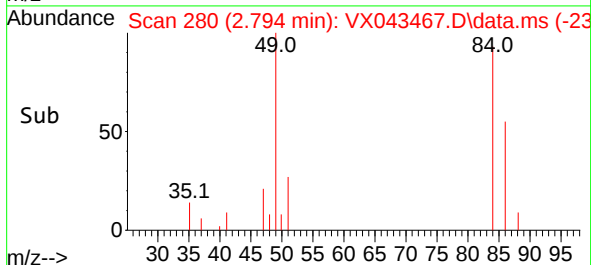
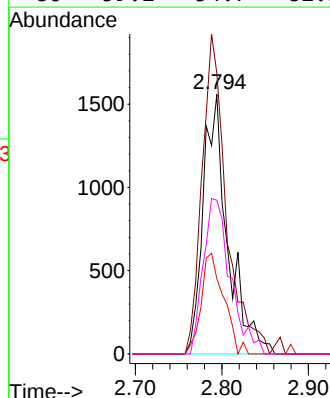
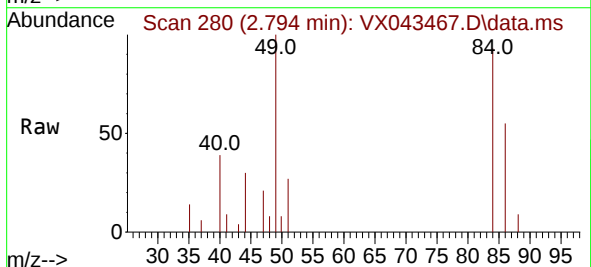
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 3379
Ion Ratio Lower Upper
43 100
74 28.7 19.1 28.7#



#20
Methylene Chloride
Concen: 2.592 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX043467.D
Acq: 21 Oct 2024 20:03

Tgt Ion: 84 Resp: 3077
Ion Ratio Lower Upper
84 100
49 108.1 96.7 145.1
51 28.9 30.4 45.6#
86 59.2 54.7 82.1

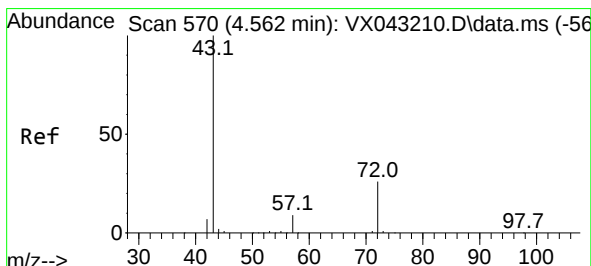
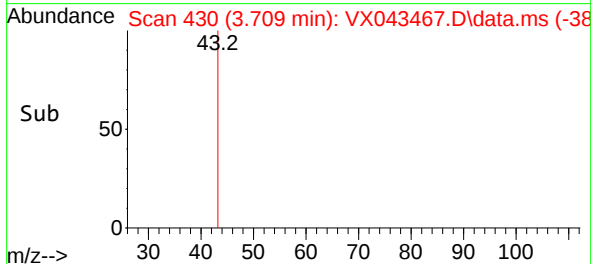
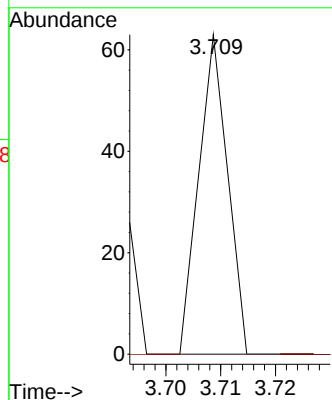
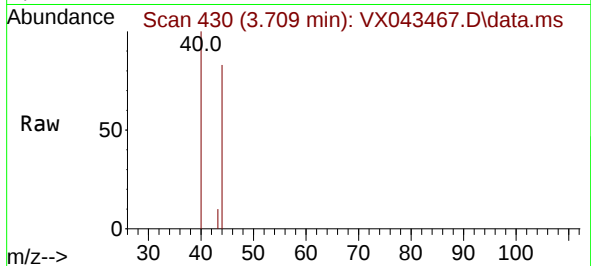




#23
 Vinyl Acetate
 Concen: 6.345 ug/l
 RT: 3.709 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: VX043467.D
 Acq: 21 Oct 2024 20:03

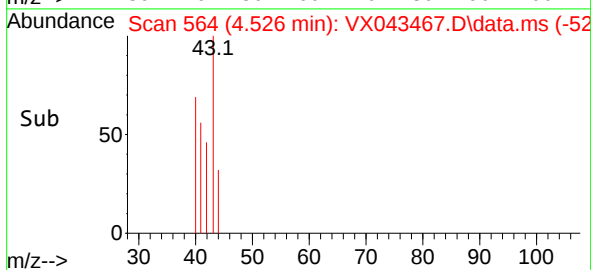
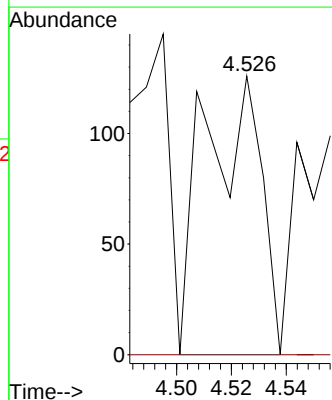
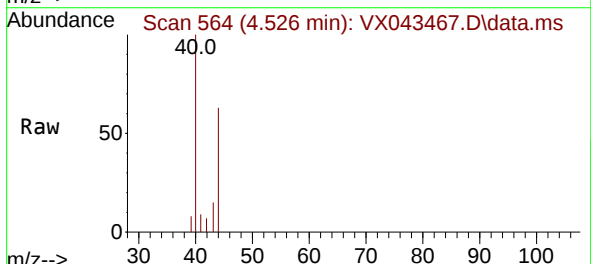
Instrument :
 MSVOA_X
 ClientSampleId :

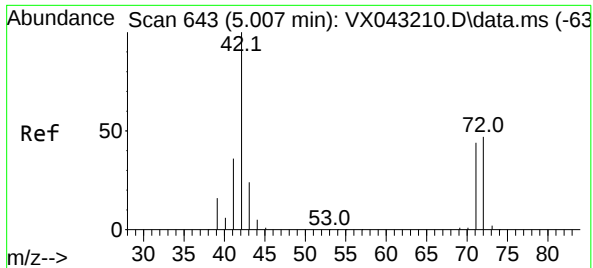
Tgt Ion: 43 Resp: 23
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 0.204 ug/l
 RT: 4.526 min Scan# 564
 Delta R.T. -0.036 min
 Lab File: VX043467.D
 Acq: 21 Oct 2024 20:03

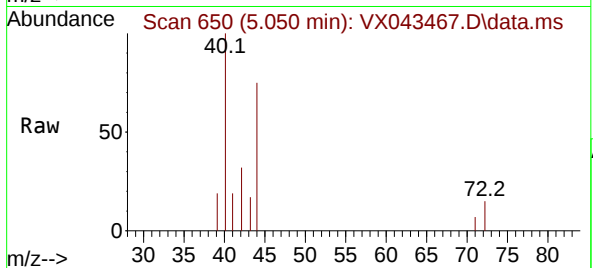
Tgt Ion: 43 Resp: 180
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.6 31.0#



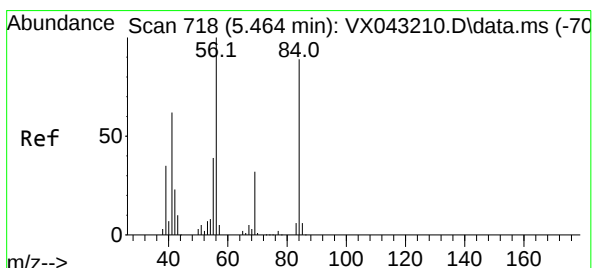
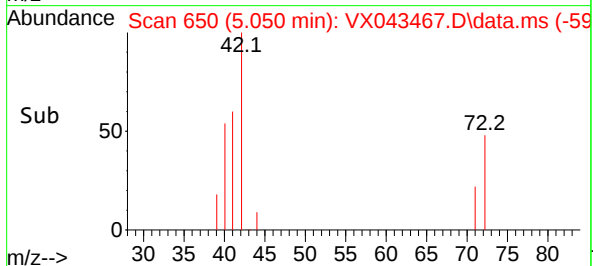
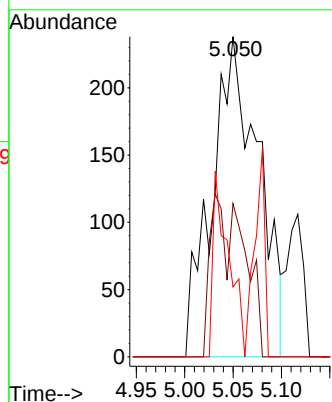


#29
Tetrahydrofuran
Concen: 1.413 ug/l
RT: 5.050 min Scan# 611
Delta R.T. 0.043 min
Lab File: VX043467.D
Acq: 21 Oct 2024 20:03

Instrument :
MSVOA_X
ClientSampleId :

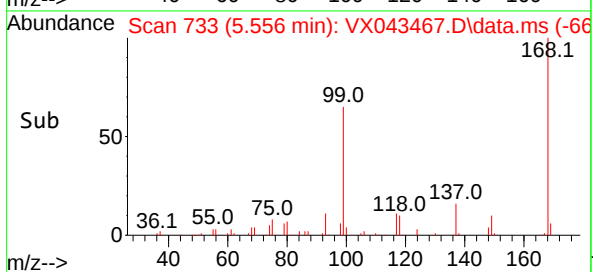
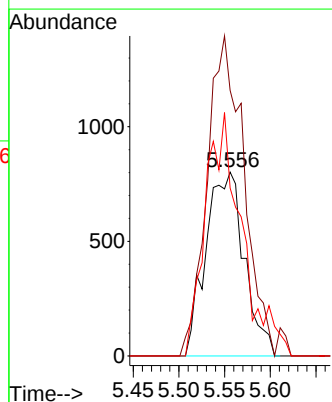
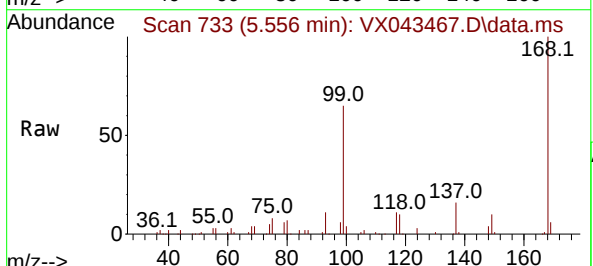


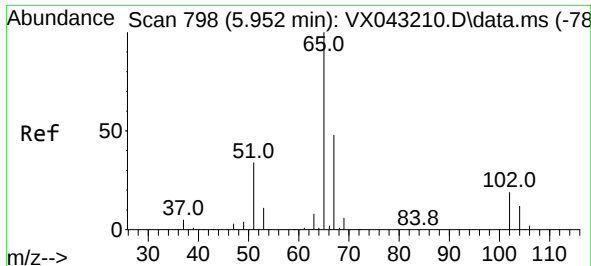
Tgt Ion: 42 Resp: 795
Ion Ratio Lower Upper
42 100
72 17.2 37.7 56.5#
71 19.5 34.6 52.0#



#31
Cyclohexane
Concen: 1.414 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.091 min
Lab File: VX043467.D
Acq: 21 Oct 2024 20:03

Tgt Ion: 56 Resp: 2353
Ion Ratio Lower Upper
56 100
69 144.5 25.8 38.6#
84 91.4 71.1 106.7





#33

1,2-Dichloroethane-d4

Concen: 51.813 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043467.D

Acq: 21 Oct 2024 20:03

Instrument :

MSVOA_X

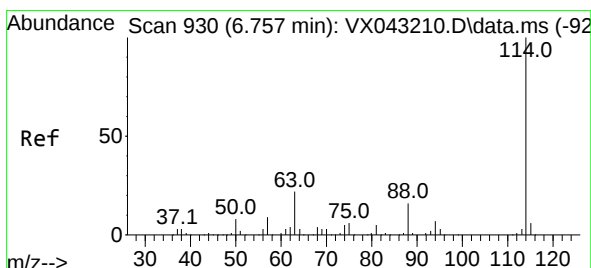
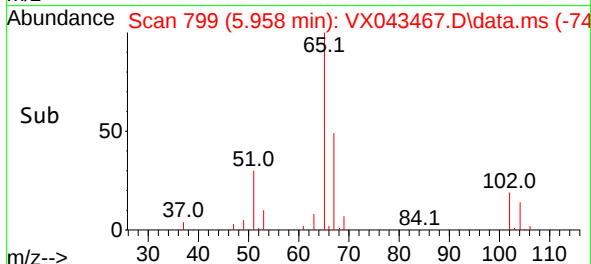
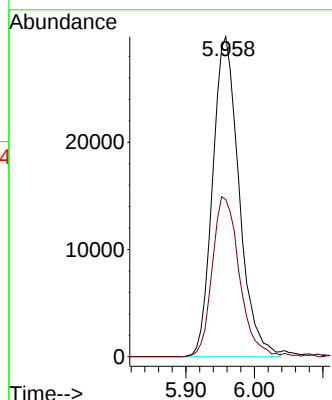
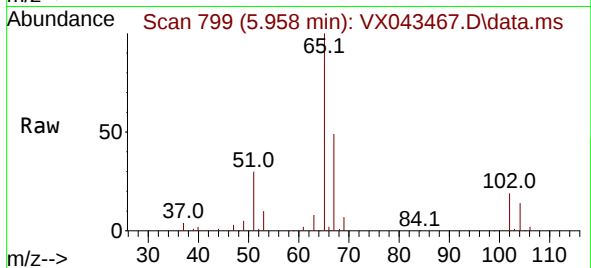
ClientSampleId :

Tgt Ion: 65 Resp: 79895

Ion Ratio Lower Upper

65 100

67 51.6 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX043467.D

Acq: 21 Oct 2024 20:03

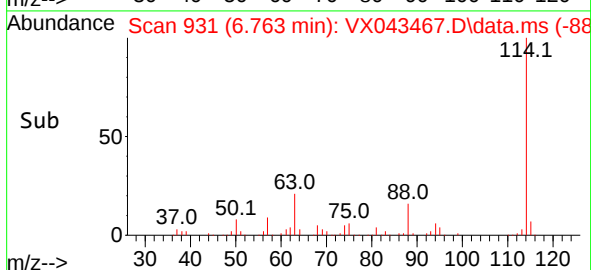
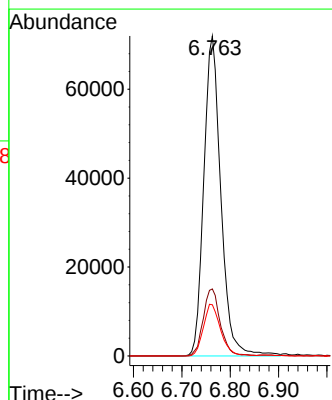
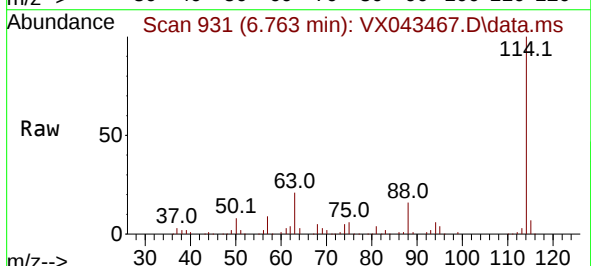
Tgt Ion: 114 Resp: 176510

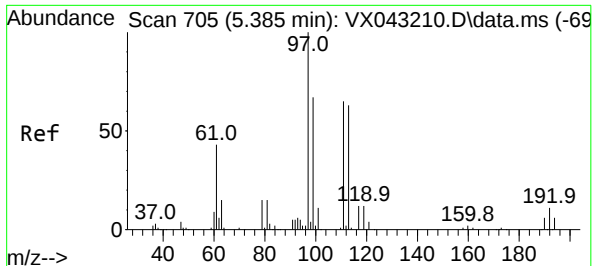
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.0

88 16.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.704 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

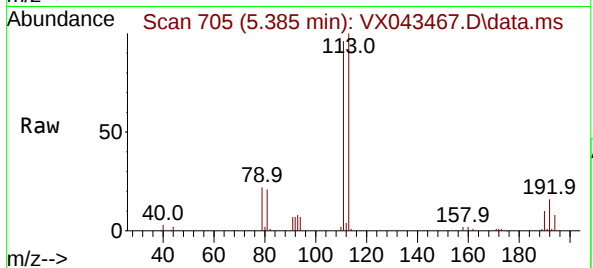
Lab File: VX043467.D

Acq: 21 Oct 2024 20:03

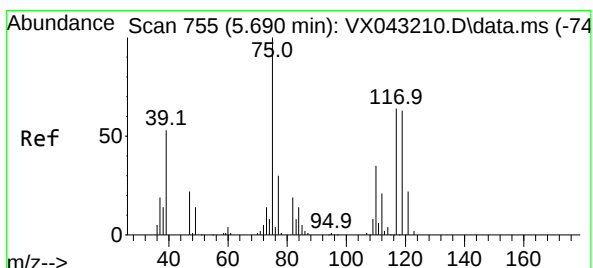
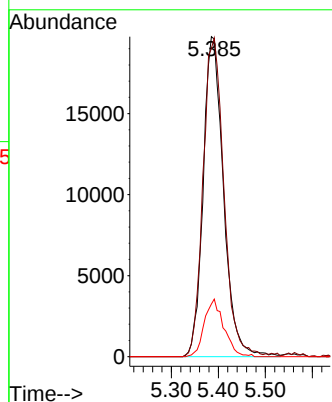
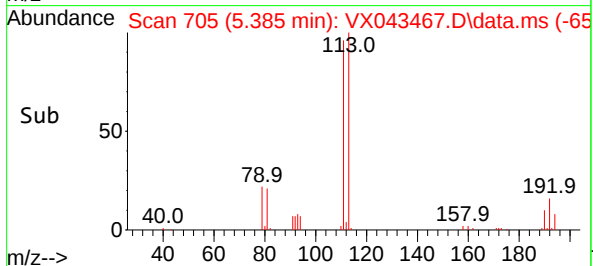
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	113	Resp:	59286
Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.4	125.0
192	17.4	14.1	21.1



#36

1,1-Dichloropropene

Concen: 5.373 ug/l

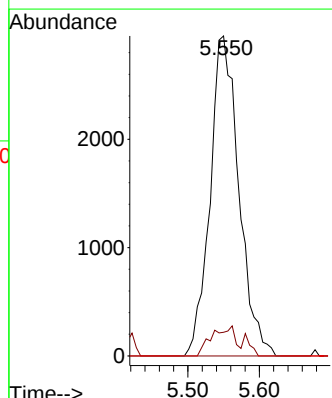
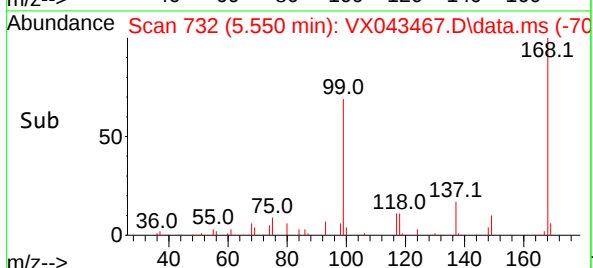
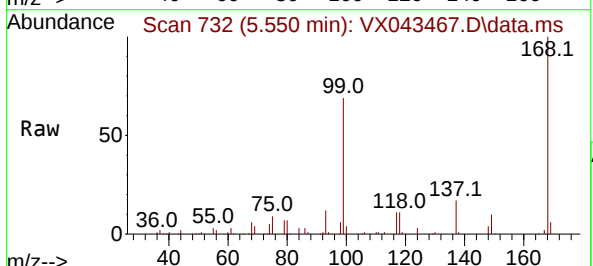
RT: 5.550 min Scan# 732

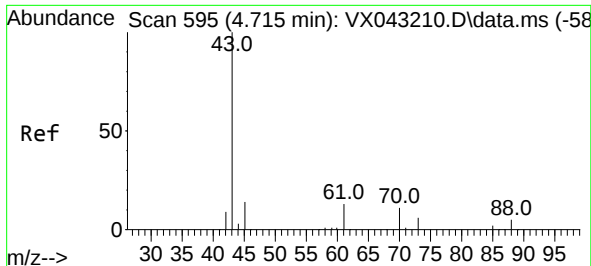
Delta R.T. -0.140 min

Lab File: VX043467.D

Acq: 21 Oct 2024 20:03

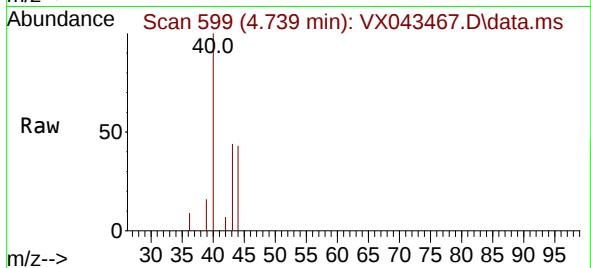
Tgt Ion:	75	Resp:	8263
Ion	Ratio	Lower	Upper
75	100		
110	7.6	17.8	53.3#
77	0.0	24.9	37.3#



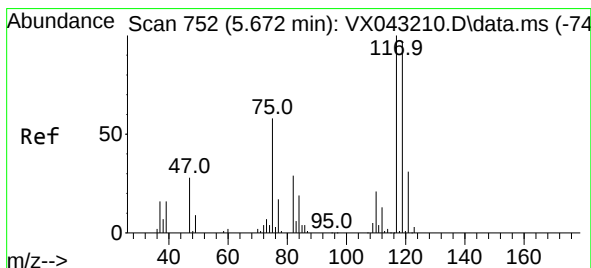
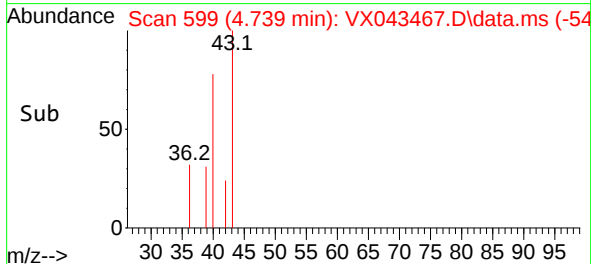
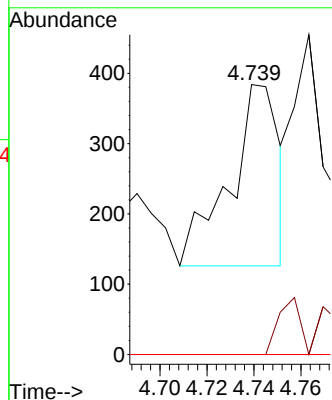


#37
Ethyl Acetate
Concen: 0.205 ug/l
RT: 4.739 min Scan# 595
Delta R.T. 0.024 min
Lab File: VX043467.D
Acq: 21 Oct 2024 20:03

Instrument :
MSVOA_X
ClientSampleId :

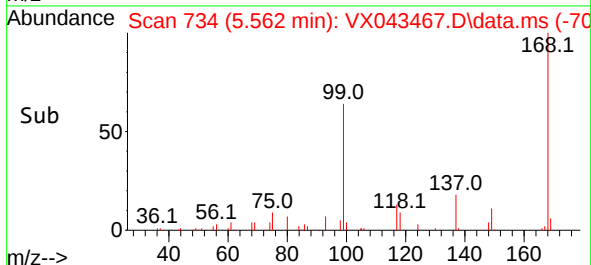
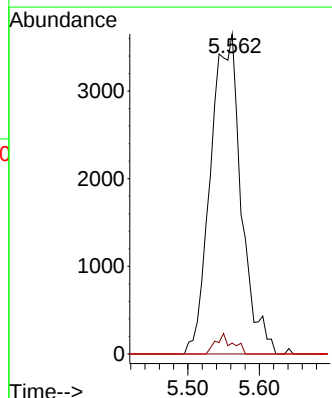
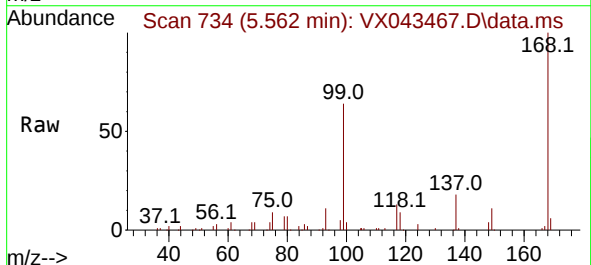


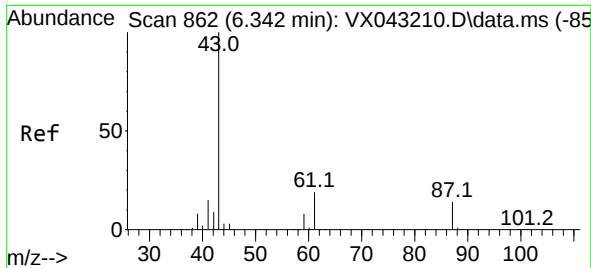
Tgt Ion: 43 Resp: 379
Ion Ratio Lower Upper
43 100
61 13.7 11.0 16.4
70 0.0 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 5.959 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.110 min
Lab File: VX043467.D
Acq: 21 Oct 2024 20:03

Tgt Ion: 117 Resp: 10849
Ion Ratio Lower Upper
117 100
119 3.4 77.7 116.5#
121 0.0 24.3 36.5#

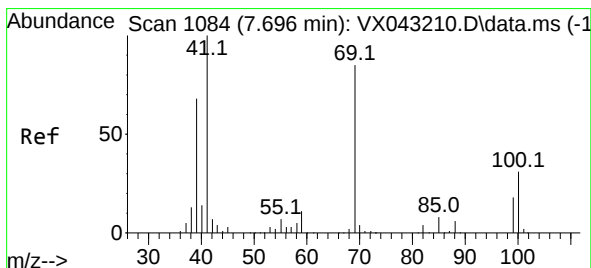
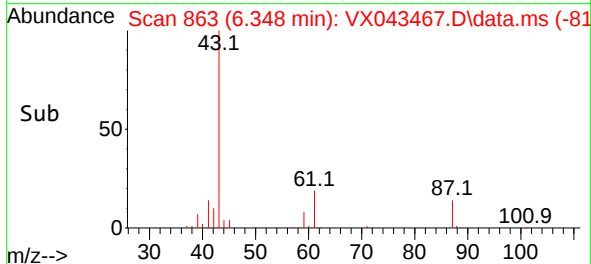
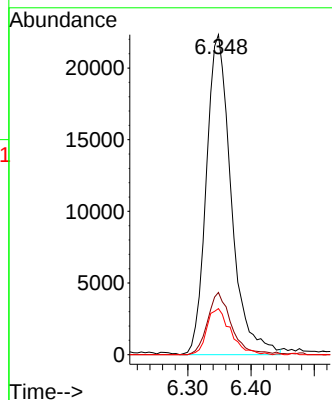
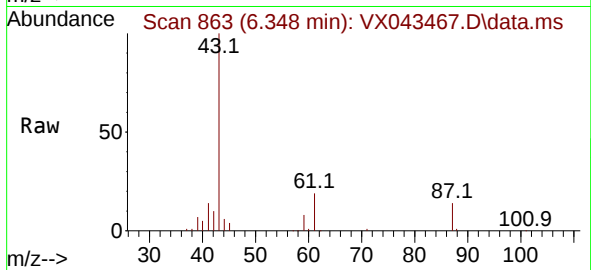




#43
Isopropyl Acetate
Concen: 20.004 ug/l
RT: 6.348 min Scan# 810
Delta R.T. 0.006 min
Lab File: VX043467.D
Acq: 21 Oct 2024 20:03

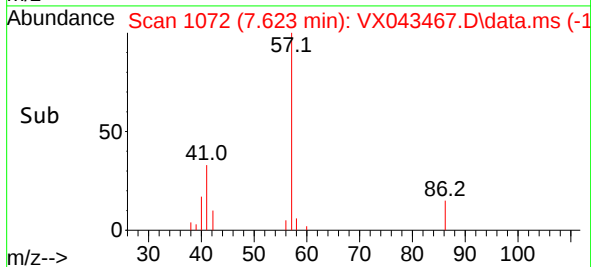
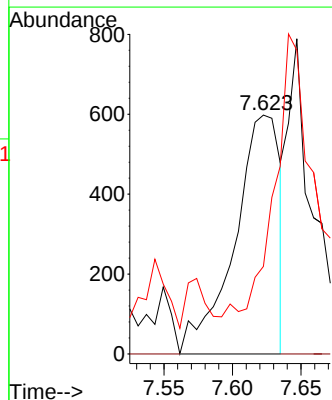
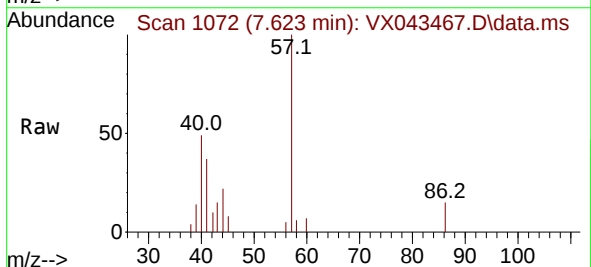
Instrument :
MSVOA_X
ClientSampleId :

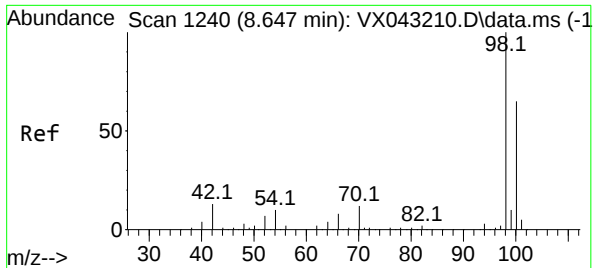
Tgt Ion: 43 Resp: 61019
Ion Ratio Lower Upper
43 100
61 18.7 15.1 22.7
87 13.8 10.8 16.2



#48
Methyl methacrylate
Concen: 0.920 ug/l
RT: 7.623 min Scan# 1072
Delta R.T. -0.073 min
Lab File: VX043467.D
Acq: 21 Oct 2024 20:03

Tgt Ion: 41 Resp: 1377
Ion Ratio Lower Upper
41 100
69 0.0 64.1 96.1#
39 99.1 52.8 79.2#

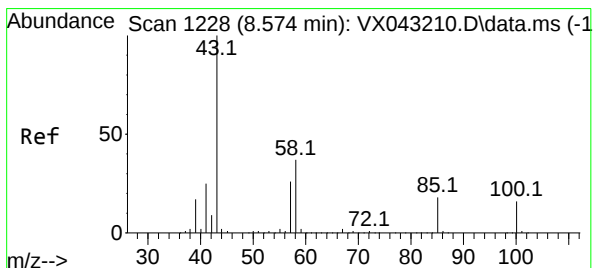
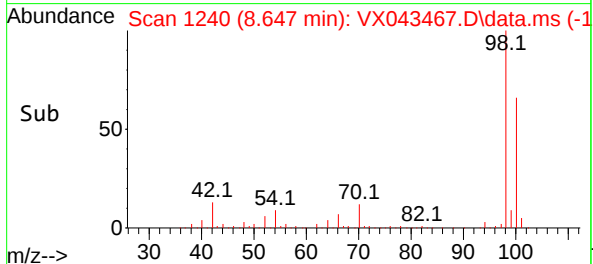
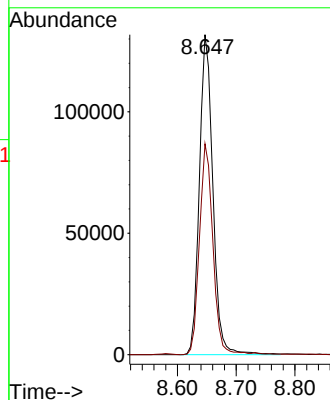
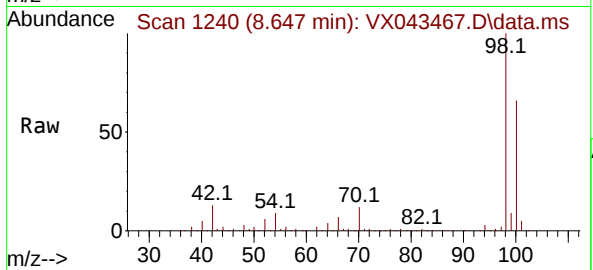




#50
Toluene-d8
Concen: 49.830 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043467.D
Acq: 21 Oct 2024 20:03

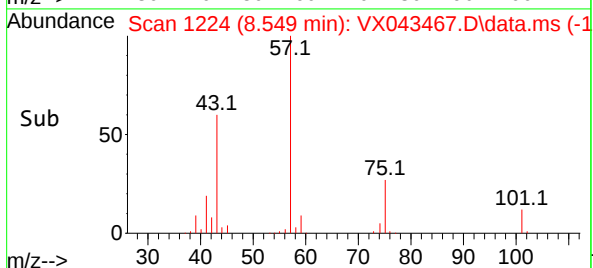
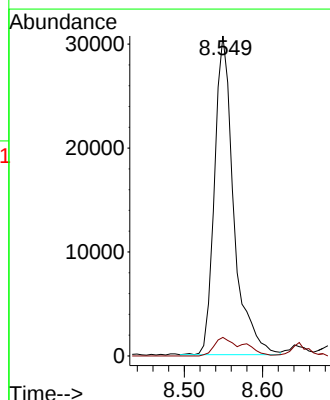
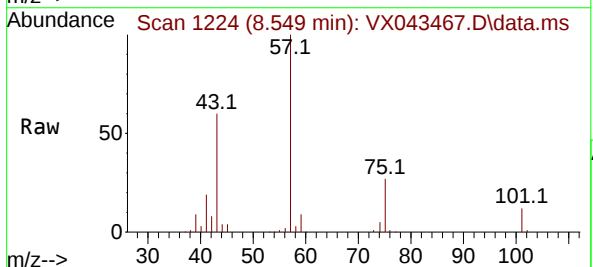
Instrument :
MSVOA_X
ClientSampleId :

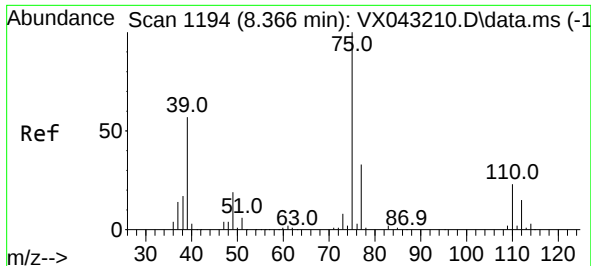
Tgt Ion: 98 Resp: 210204
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 28.225 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX043467.D
Acq: 21 Oct 2024 20:03

Tgt Ion: 43 Resp: 52290
Ion Ratio Lower Upper
43 100
58 5.8 30.0 45.0#

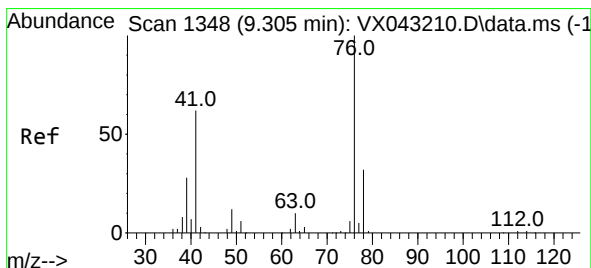
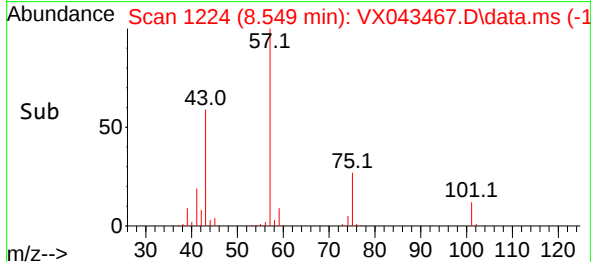
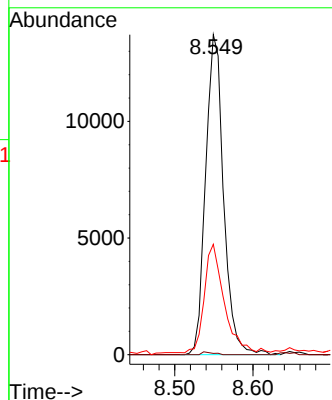
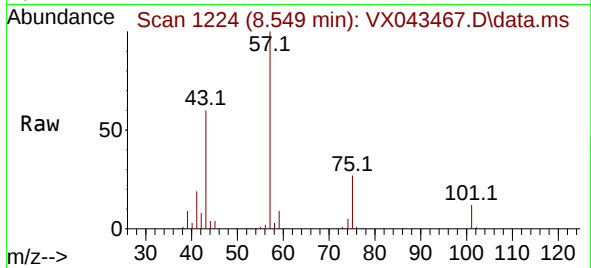




#54
 cis-1,3-Dichloropropene
 Concen: 11.358 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043467.D
 Acq: 21 Oct 2024 20:03

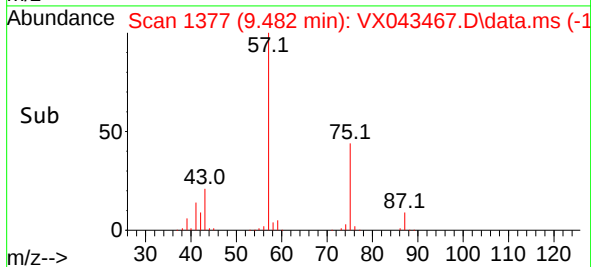
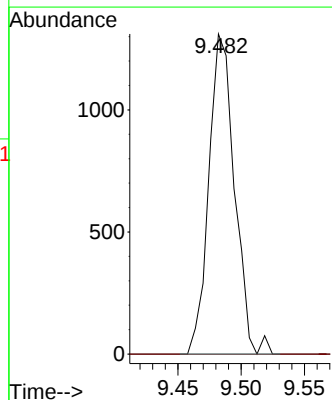
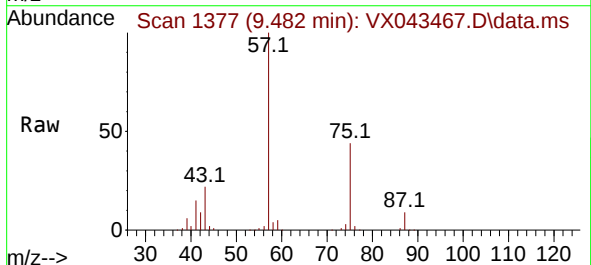
Instrument :
 MSVOA_X
 ClientSampleId :

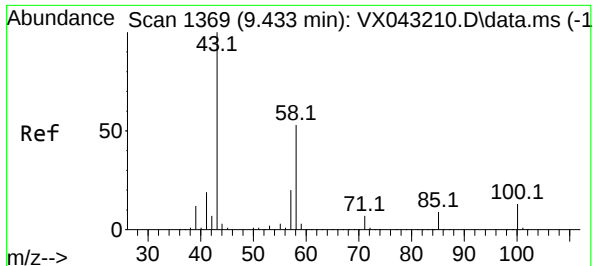
Tgt Ion: 75 Resp: 21821
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.0 39.0#
 39 33.8 45.8 68.8#



#57
 1,3-Dichloropropane
 Concen: 0.935 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043467.D
 Acq: 21 Oct 2024 20:03

Tgt Ion: 76 Resp: 1849
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#





#59

2-Hexanone

Concen: 18.769 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX043467.D

Acq: 21 Oct 2024 20:03

Instrument :

MSVOA_X

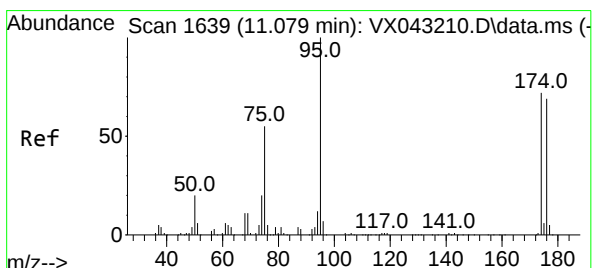
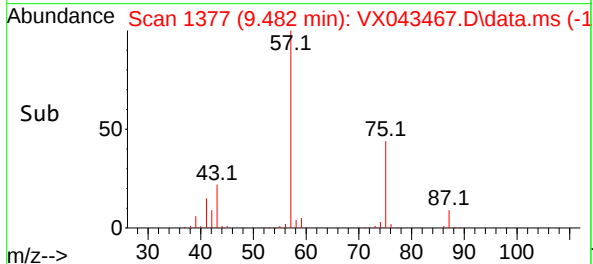
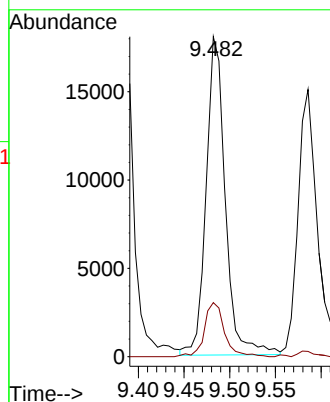
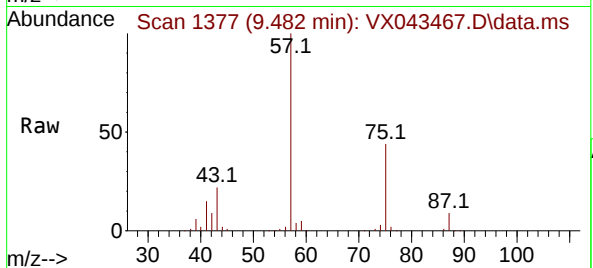
ClientSampleId :

Tgt Ion: 43 Resp: 26295

Ion Ratio Lower Upper

43 100

58 17.7 26.1 78.3#



#62

4-Bromofluorobenzene

Concen: 51.677 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043467.D

Acq: 21 Oct 2024 20:03

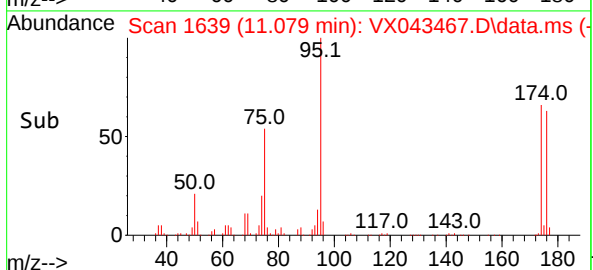
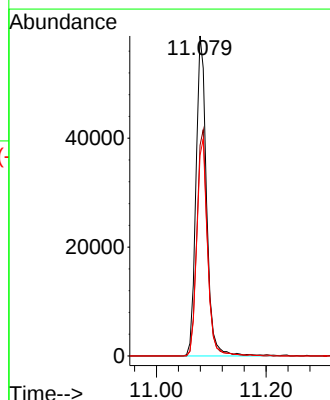
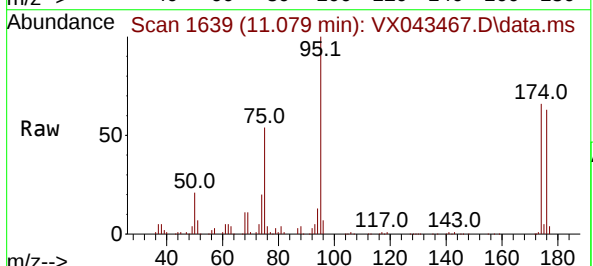
Tgt Ion: 95 Resp: 79197

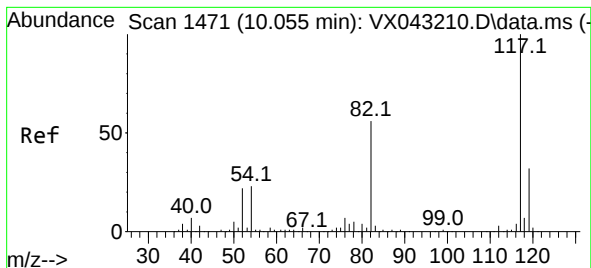
Ion Ratio Lower Upper

95 100

174 70.7 0.0 145.0

176 68.6 0.0 143.0

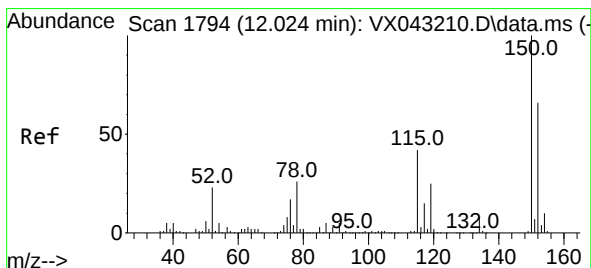
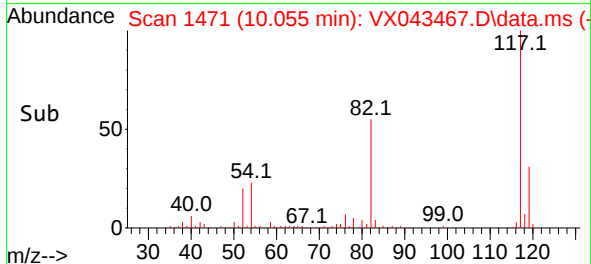
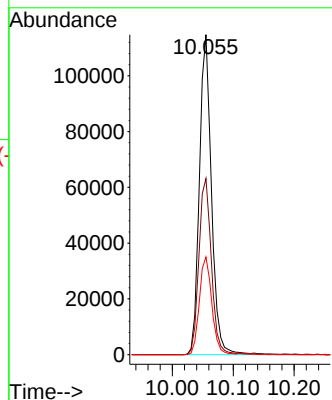
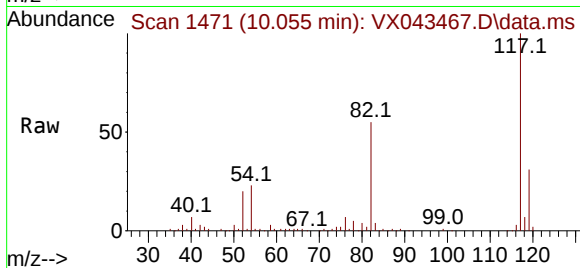




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043467.D
Acq: 21 Oct 2024 20:03

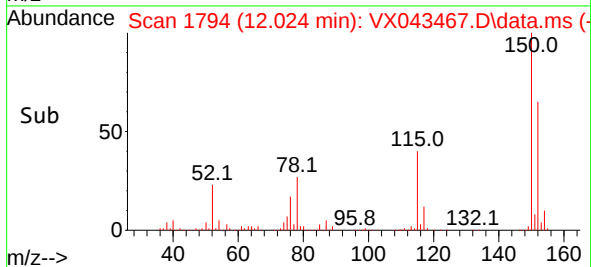
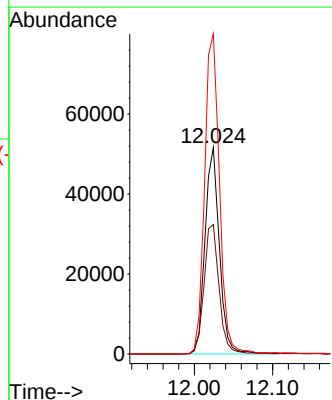
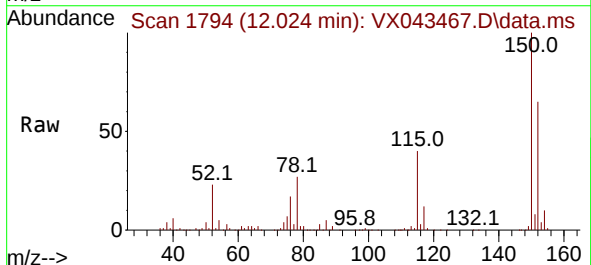
Instrument :
MSVOA_X
ClientSampleId :

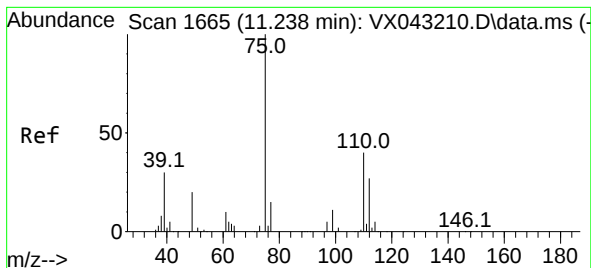
Tgt Ion:117 Resp: 157984
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.6
119 30.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043467.D
Acq: 21 Oct 2024 20:03

Tgt Ion:152 Resp: 66031
Ion Ratio Lower Upper
152 100
115 65.3 44.1 132.3
150 159.4 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 28.449 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043467.D

Acq: 21 Oct 2024 20:03

Instrument :

MSVOA_X

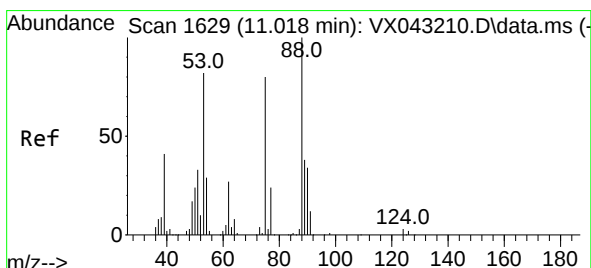
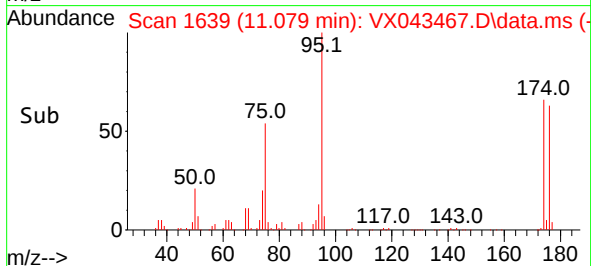
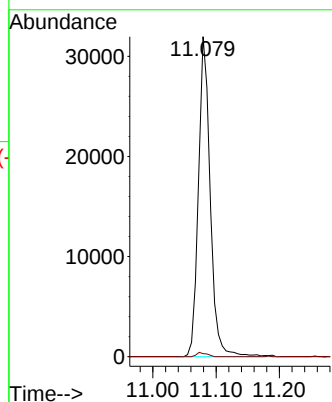
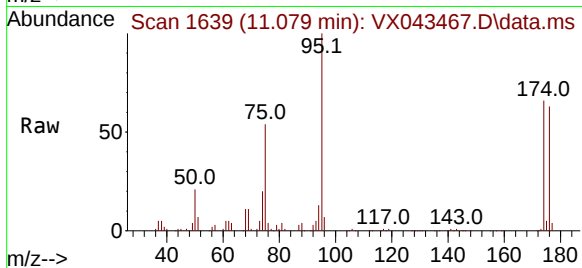
ClientSampleId :

Tgt Ion: 75 Resp: 41668

Ion Ratio Lower Upper

75 100

77 1.1 22.0 66.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.731 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043467.D

Acq: 21 Oct 2024 20:03

Tgt Ion: 75 Resp: 41668

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

89 0.1 38.6 58.0#

