

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043577.D
 Acq On : 28 Oct 2024 20:42
 Operator : JC/MD
 Sample : PB164394ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 29 03:31:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

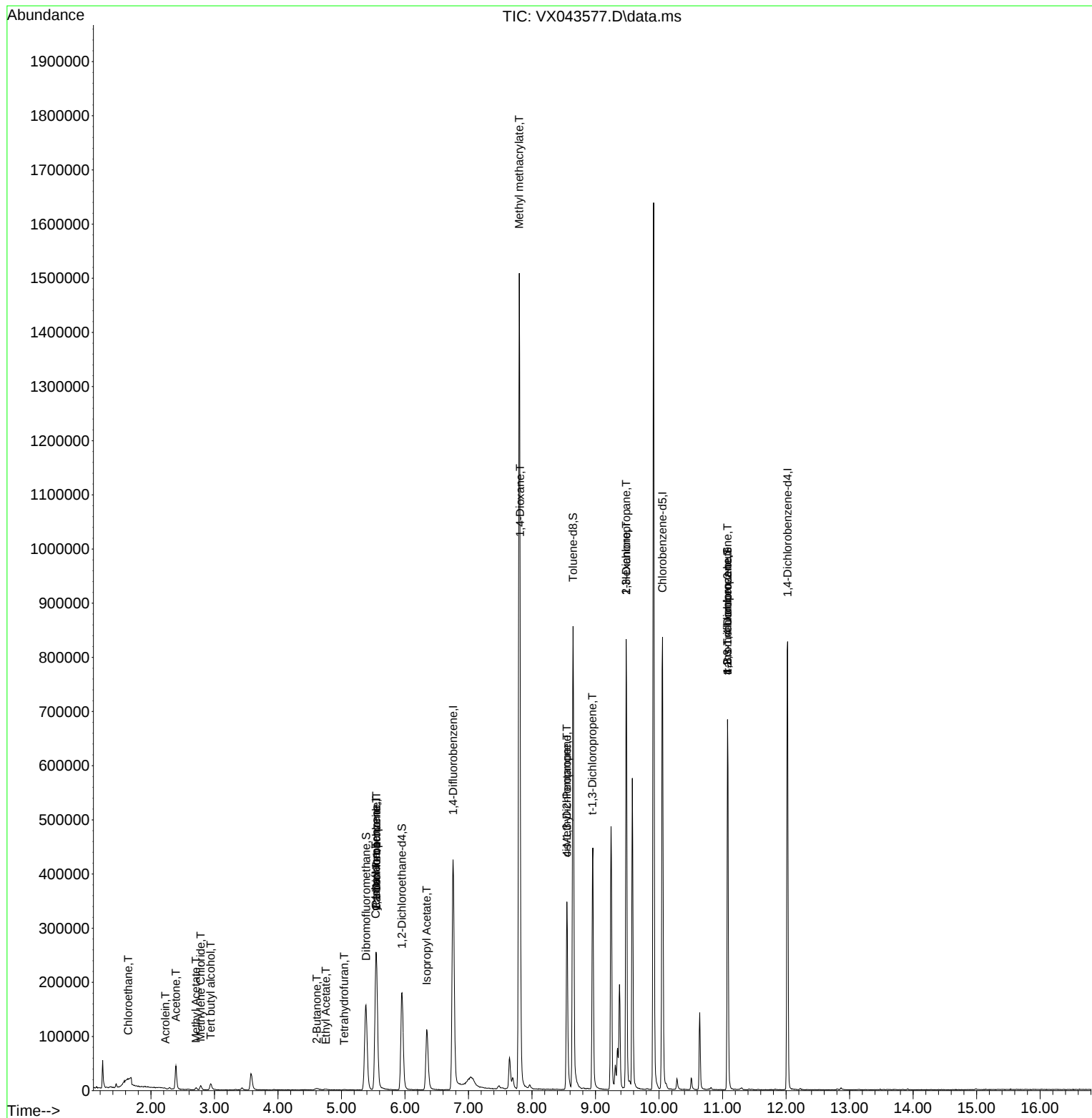
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	248871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	459665	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	397671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	187196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	178128	44.888	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.780%
35) Dibromofluoromethane	5.385	113	139012	44.598	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.200%
50) Toluene-d8	8.647	98	529125	49.039	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.080%
62) 4-Bromofluorobenzene	11.079	95	192184	48.068	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.140%
Target Compounds						
					Qvalue	
6) Chloroethane	1.642	64	402	0.361	ug/l #	43
11) Tert butyl alcohol	2.940	59	6010	8.114	ug/l #	100
13) Acrolein	2.227	56	159	0.274	ug/l #	8
16) Acetone	2.392	43	49097	31.156	ug/l	95
18) Methyl Acetate	2.709	43	4255	0.924	ug/l	92
20) Methylene Chloride	2.782	84	4166	1.227	ug/l	94
25) 2-Butanone	4.611	43	4303	1.872	ug/l	99
29) Tetrahydrofuran	5.044	42	674	0.451	ug/l #	67
31) Cyclohexane	5.537	56	5128	1.224	ug/l #	17
36) 1,1-Dichloropropene	5.550	75	18915	5.118	ug/l #	51
37) Ethyl Acetate	4.751	43	1701	0.379	ug/l #	86
38) Carbon Tetrachloride	5.550	117	26383	6.460	ug/l #	15
43) Isopropyl Acetate	6.342	43	160636	21.647	ug/l	100
48) Methyl methacrylate	7.799	41	129665	36.855	ug/l #	41
49) 1,4-Dioxane	7.811	88	214	2.961	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	124883	27.612	ug/l #	50
53) t-1,3-Dichloropropene	8.951	75	1093	0.248	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	60985	12.995	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	7921	1.530	ug/l #	43
59) 2-Hexanone	9.482	43	99476	28.959	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	96620	24.140	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	96620	66.410	ug/l #	7

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043577.D
Acq On : 28 Oct 2024 20:42
Operator : JC/MD
Sample : PB164394ZHE#09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 29 03:31:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

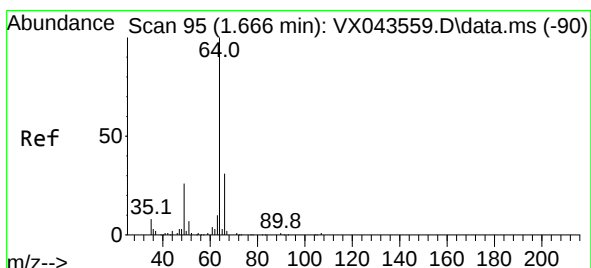
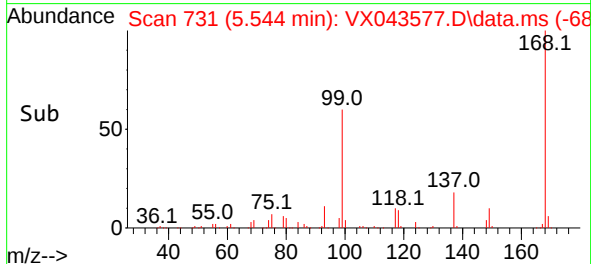
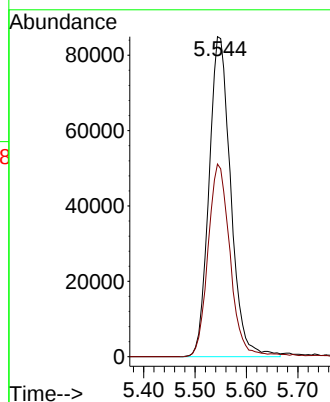
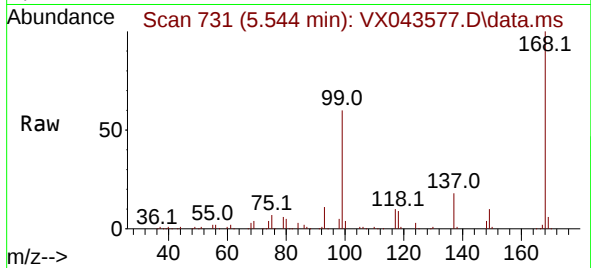




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

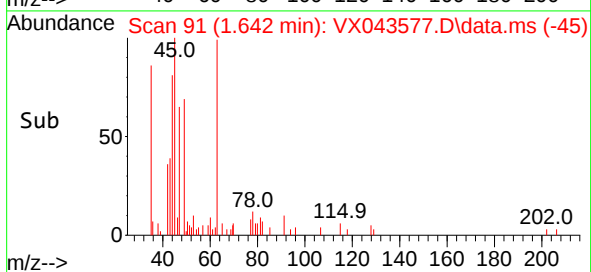
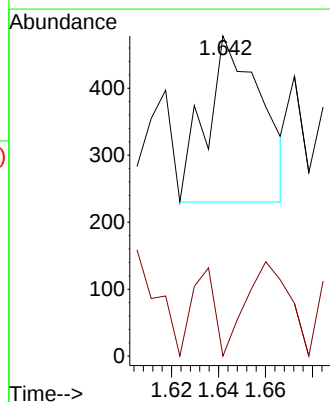
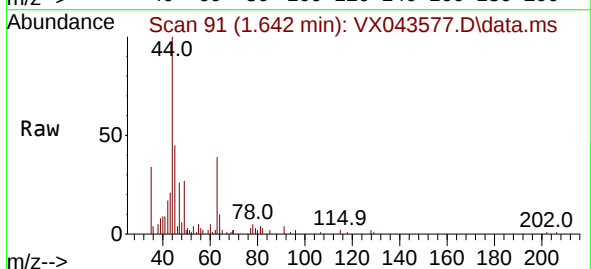
Instrument :
MSVOA_X
ClientSampleId :

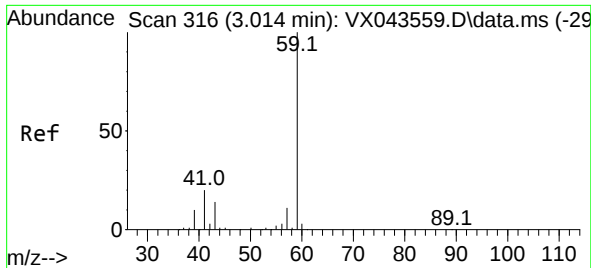
Tgt Ion:168 Resp: 248871
Ion Ratio Lower Upper
168 100
99 60.2 52.6 78.8



#6
Chloroethane
Concen: 0.361 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.018 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

Tgt Ion: 64 Resp: 402
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

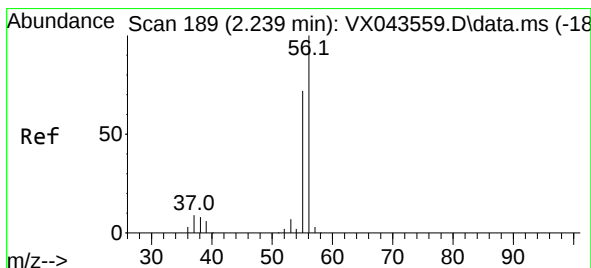
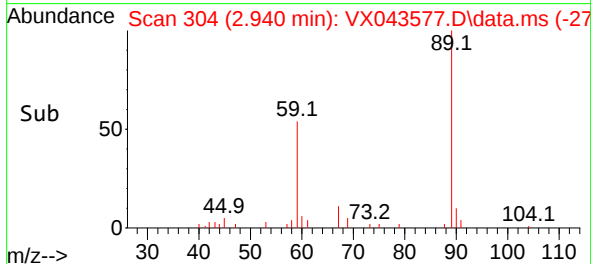
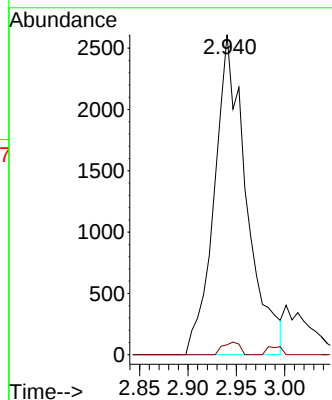
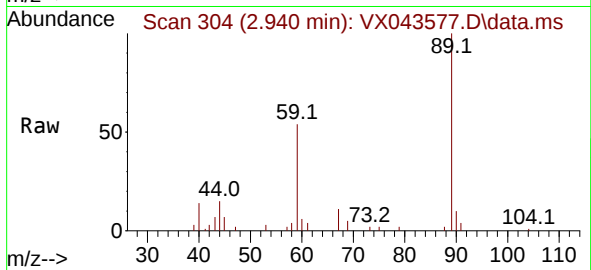




#11
Tert butyl alcohol
Concen: 8.114 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.110 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

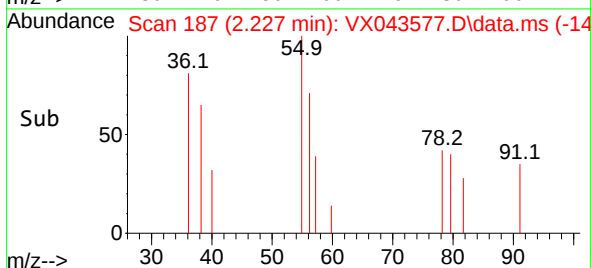
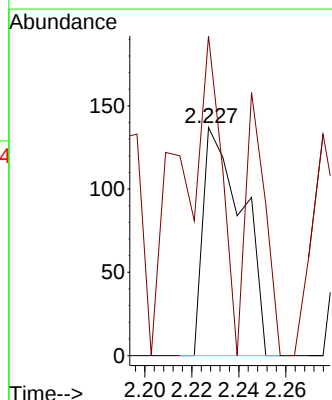
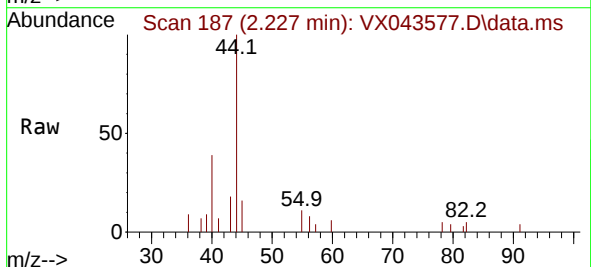
Instrument :
MSVOA_X
ClientSampleId :

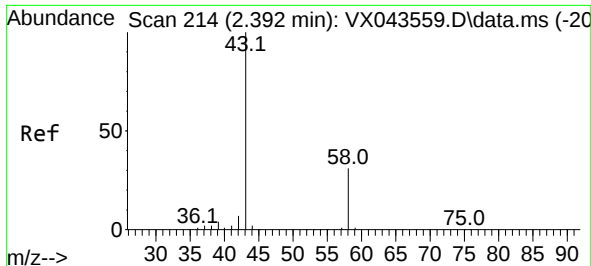
Tgt Ion: 59 Resp: 6010
Ion Ratio Lower Upper
59 100
57 2.1 0.0 0.0#



#13
Acrolein
Concen: 0.274 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 144.0 55.3 82.9#

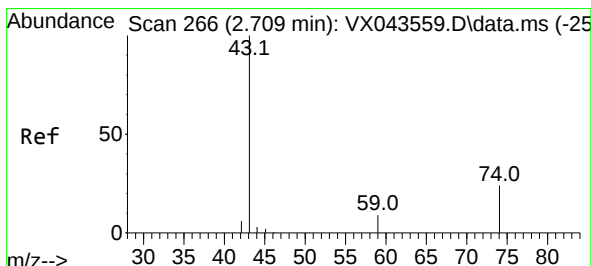
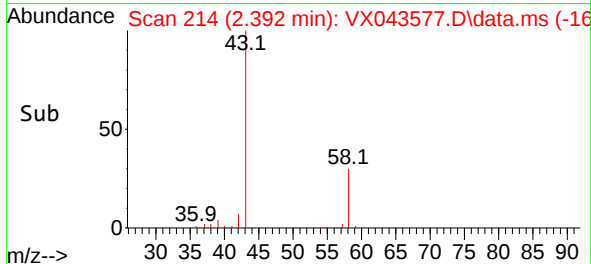
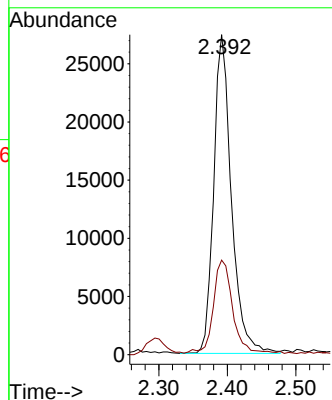
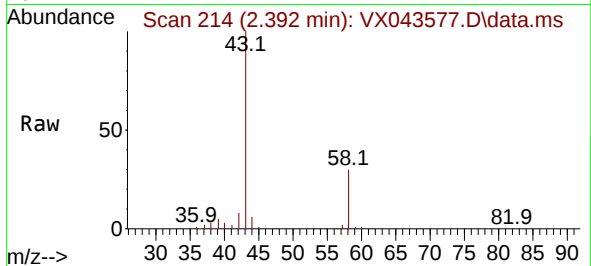




#16
Acetone
Concen: 31.156 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

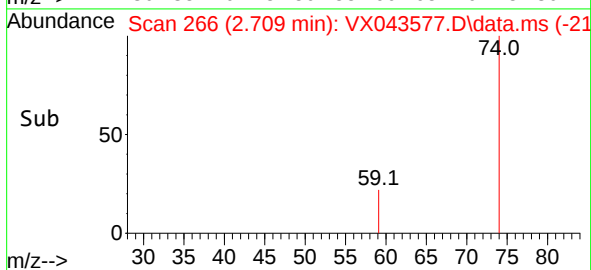
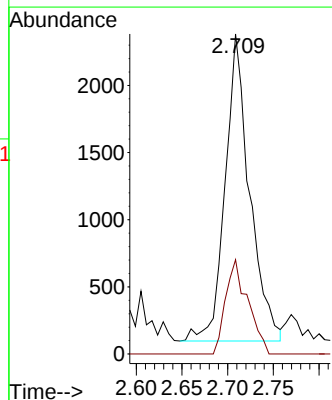
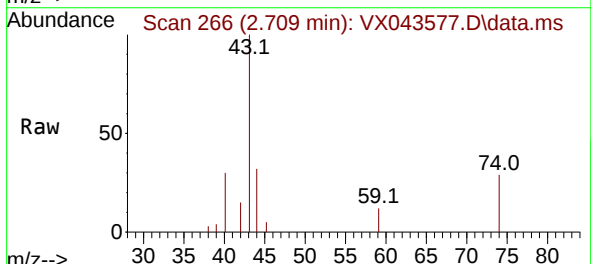
Instrument :
MSVOA_X
ClientSampleId :

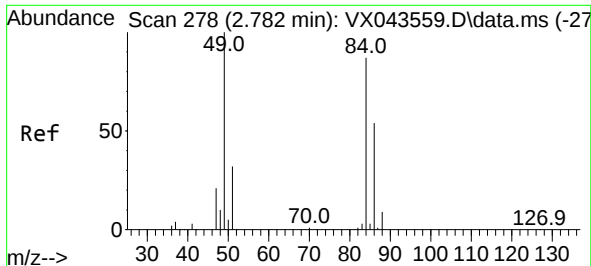
Tgt Ion: 43 Resp: 49097
Ion Ratio Lower Upper
43 100
58 28.9 25.1 37.7



#18
Methyl Acetate
Concen: 0.924 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

Tgt Ion: 43 Resp: 4255
Ion Ratio Lower Upper
43 100
74 28.0 19.1 28.7





#20

Methylene Chloride

Concen: 1.227 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.000 min

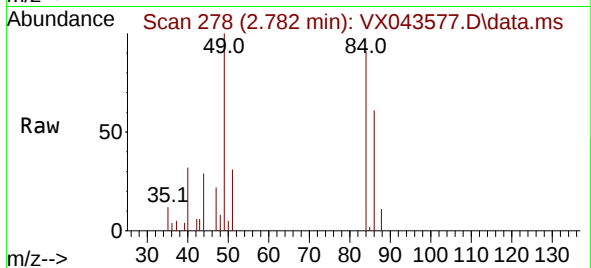
Lab File: VX043577.D

Acq: 28 Oct 2024 20:42

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 4166

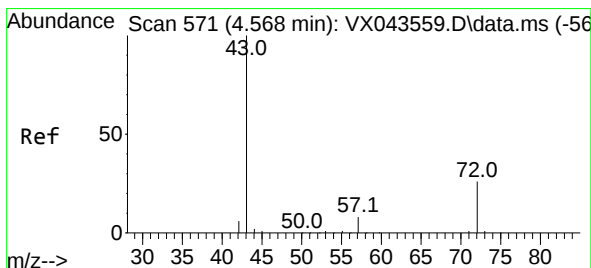
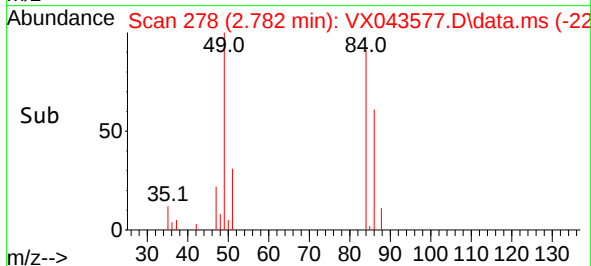
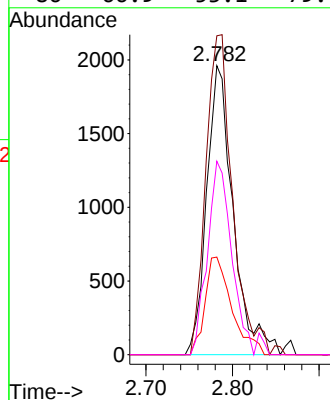
Ion Ratio Lower Upper

84 100

49 110.4 97.0 145.6

51 33.8 29.8 44.8

86 66.9 53.1 79.7



#25

2-Butanone

Concen: 1.872 ug/l

RT: 4.611 min Scan# 578

Delta R.T. 0.043 min

Lab File: VX043577.D

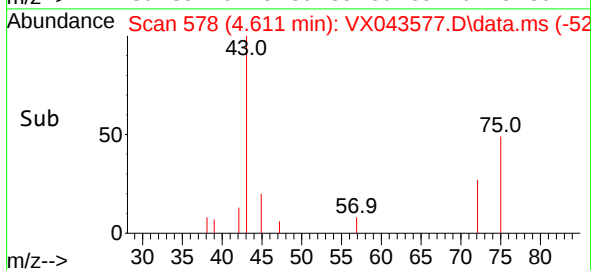
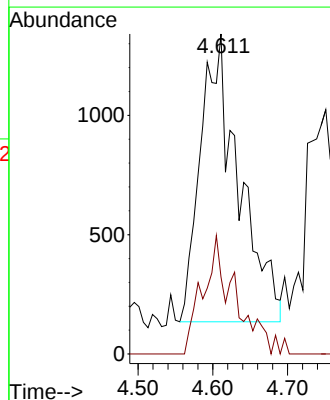
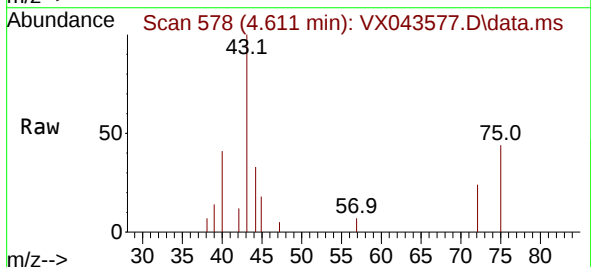
Acq: 28 Oct 2024 20:42

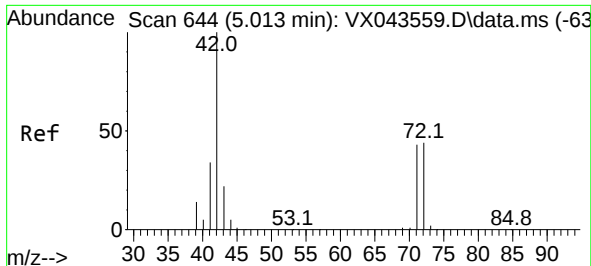
Tgt Ion: 43 Resp: 4303

Ion Ratio Lower Upper

43 100

72 26.8 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.451 ug/l

RT: 5.044 min Scan# 644

Delta R.T. 0.030 min

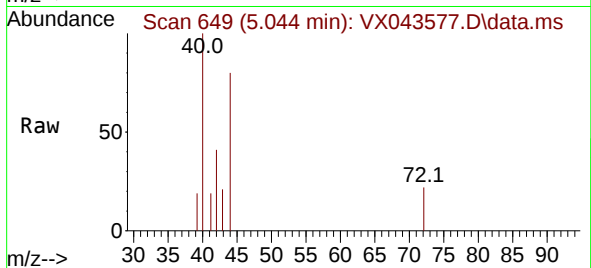
Lab File: VX043577.D

Acq: 28 Oct 2024 20:42

Instrument :

MSVOA_X

ClientSampleId :



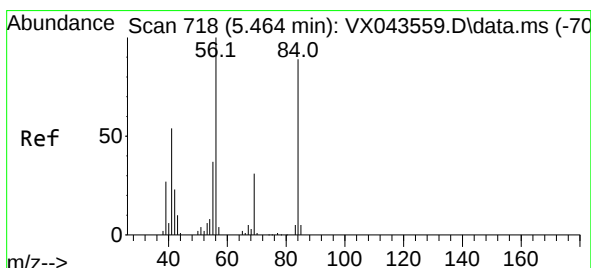
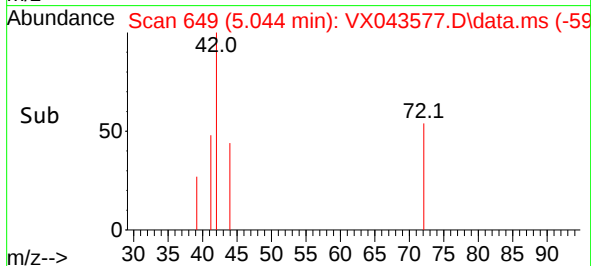
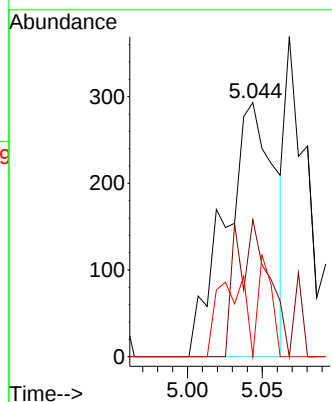
Tgt Ion: 42 Resp: 674

Ion Ratio Lower Upper

42 100

72 35.2 36.6 55.0#

71 10.8 34.2 51.4#



#31

Cyclohexane

Concen: 1.224 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX043577.D

Acq: 28 Oct 2024 20:42

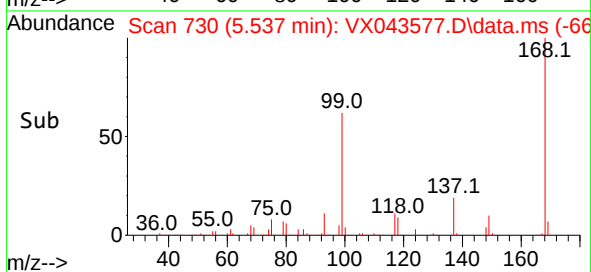
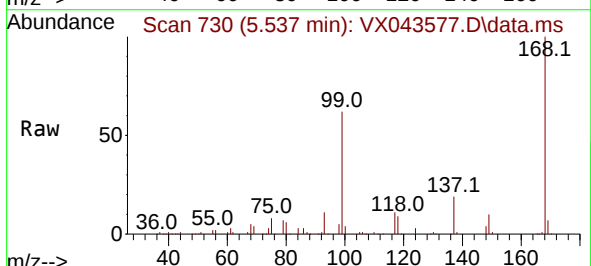
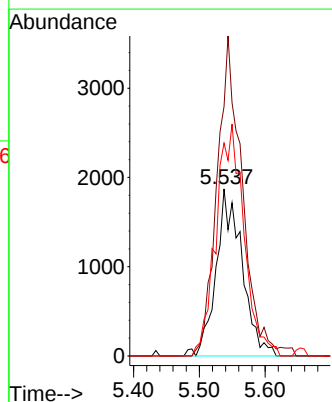
Tgt Ion: 56 Resp: 5128

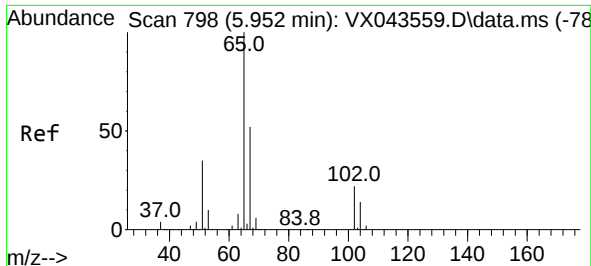
Ion Ratio Lower Upper

56 100

69 149.4 24.9 37.3#

84 127.4 73.3 109.9#





#33

1,2-Dichloroethane-d4

Concen: 44.888 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043577.D

Acq: 28 Oct 2024 20:42

Instrument :

MSVOA_X

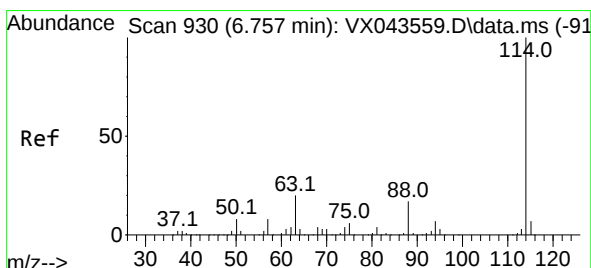
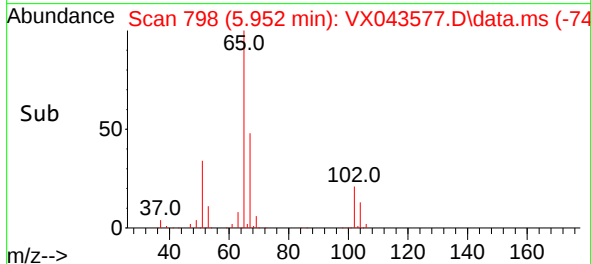
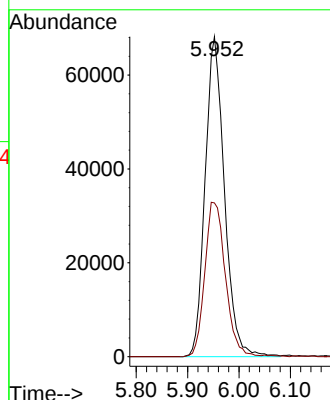
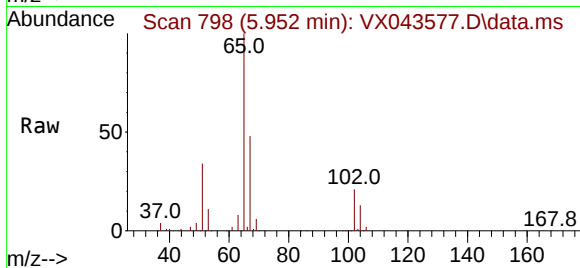
ClientSampleId :

Tgt Ion: 65 Resp: 178128

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043577.D

Acq: 28 Oct 2024 20:42

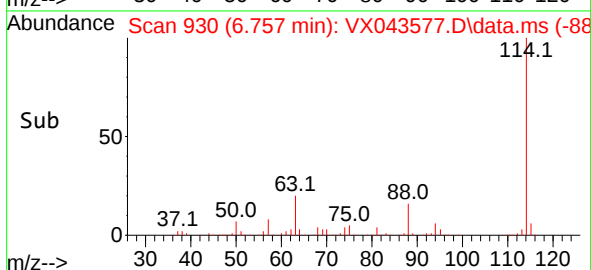
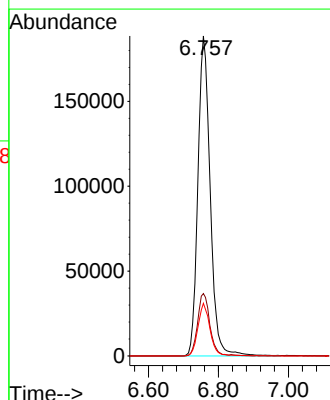
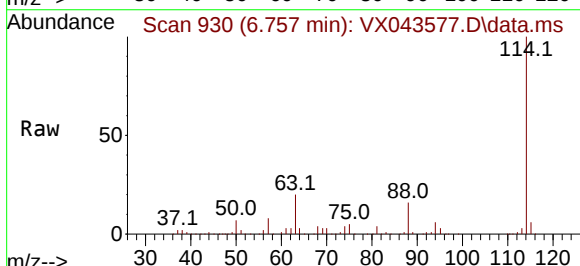
Tgt Ion: 114 Resp: 459665

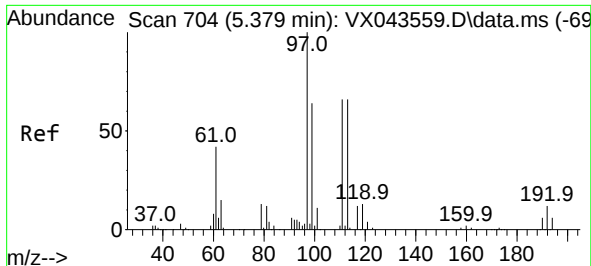
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.2

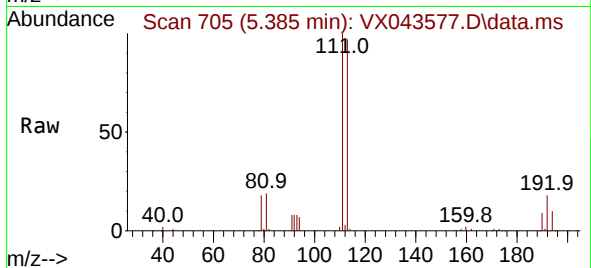
88 16.5 0.0 34.0



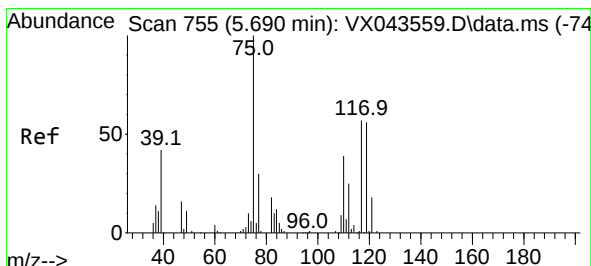
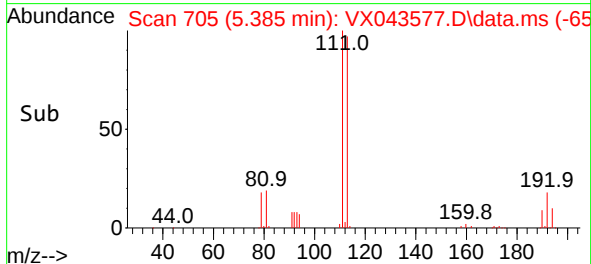
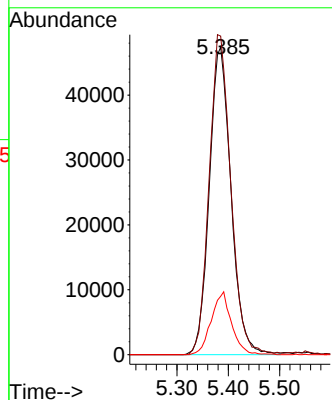


#35
Dibromofluoromethane
Concen: 44.598 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

Instrument :
MSVOA_X
ClientSampleId :

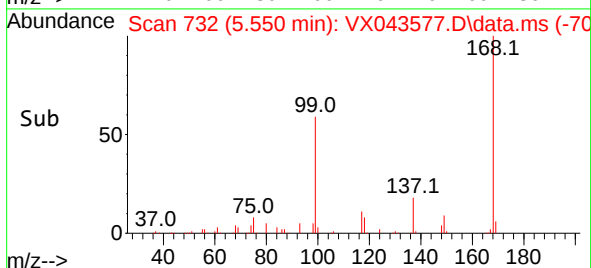
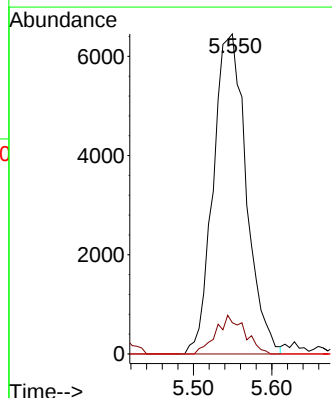
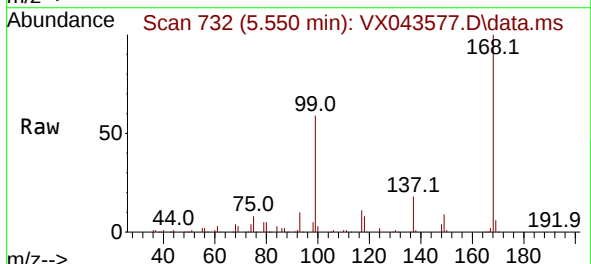


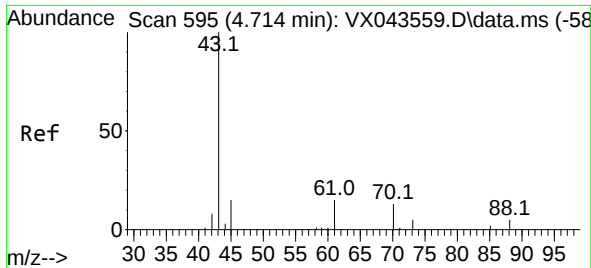
Tgt Ion:113 Resp: 139012
Ion Ratio Lower Upper
113 100
111 103.7 81.4 122.0
192 19.1 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.118 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

Tgt Ion: 75 Resp: 18915
Ion Ratio Lower Upper
75 100
110 10.6 17.9 53.7#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.379 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.030 min

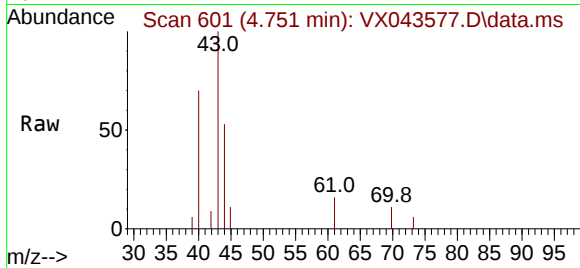
Lab File: VX043577.D

Acq: 28 Oct 2024 20:42

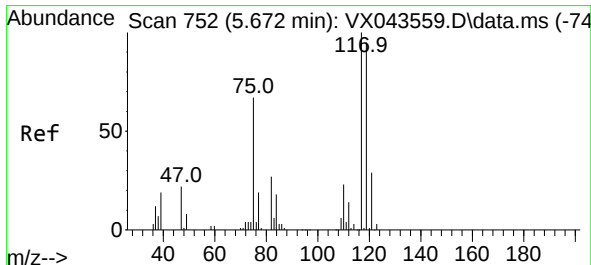
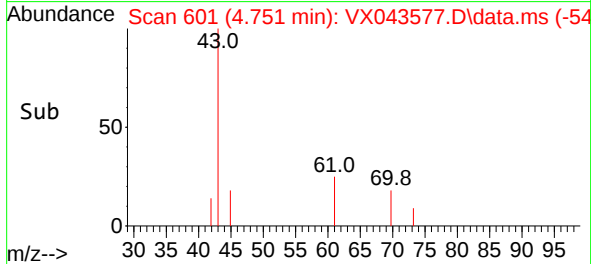
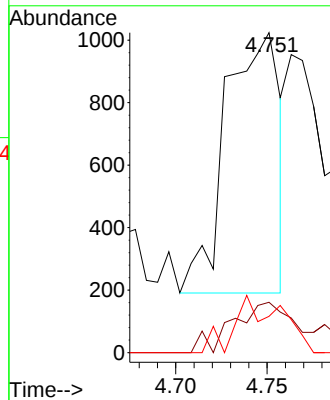
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 1701
Ion Ratio	Lower Upper
43	100
61	22.6 11.0 16.6#
70	12.4 8.9 13.3



#38

Carbon Tetrachloride

Concen: 6.460 ug/l

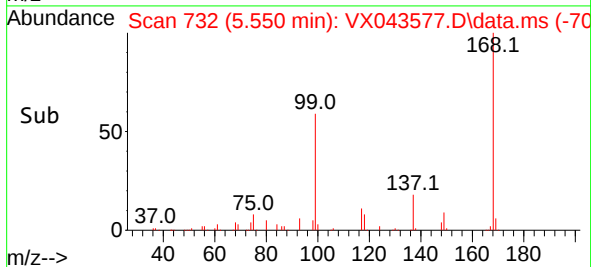
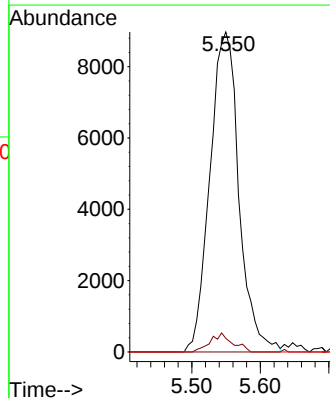
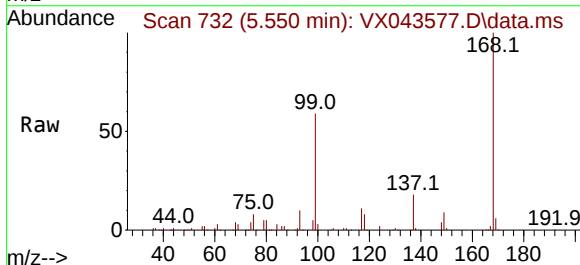
RT: 5.550 min Scan# 732

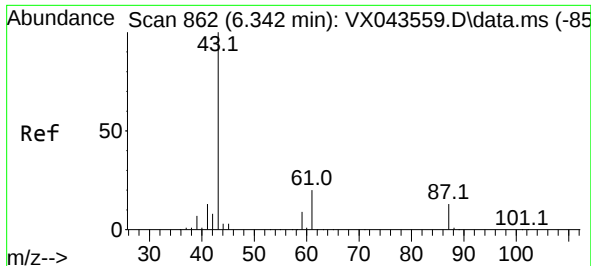
Delta R.T. -0.122 min

Lab File: VX043577.D

Acq: 28 Oct 2024 20:42

Tgt Ion: 117	Resp: 26383
Ion Ratio	Lower Upper
117	100
119	4.2 77.0 115.6#
121	0.0 24.7 37.1#

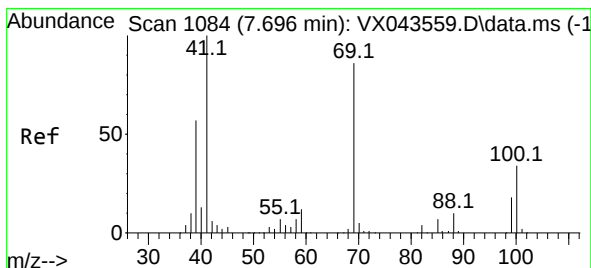
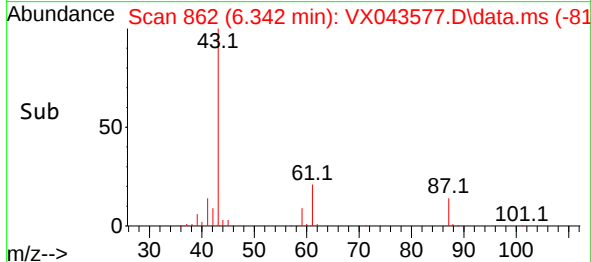
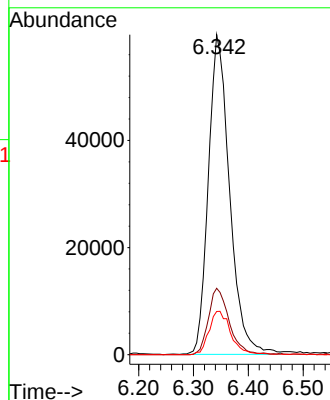
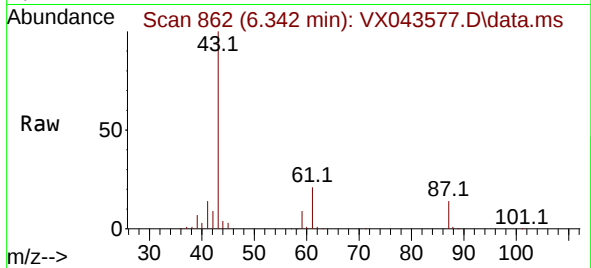




#43
Isopropyl Acetate
Concen: 21.647 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

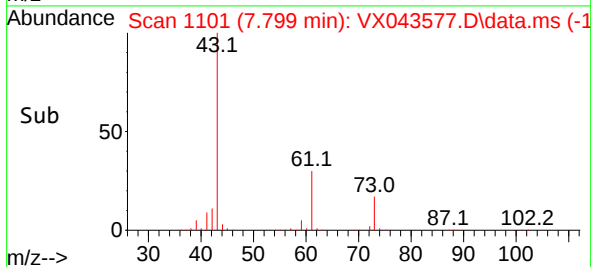
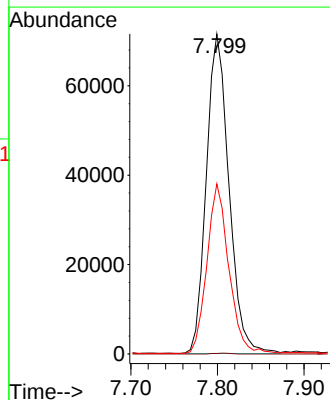
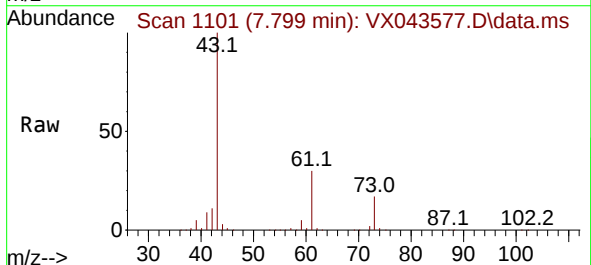
Instrument :
MSVOA_X
ClientSampleId :

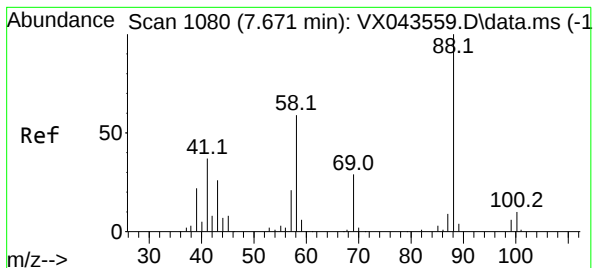
Tgt Ion: 43 Resp: 160636
Ion Ratio Lower Upper
43 100
61 20.3 16.2 24.4
87 14.0 11.0 16.6



#48
Methyl methacrylate
Concen: 36.855 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

Tgt Ion: 41 Resp: 129665
Ion Ratio Lower Upper
41 100
69 0.2 67.7 101.5#
39 51.2 46.3 69.5





#49

1,4-Dioxane

Concen: 2.961 ug/l

RT: 7.811 min Scan# 1103

Delta R.T. 0.140 min

Lab File: VX043577.D

Acq: 28 Oct 2024 20:42

Instrument :

MSVOA_X

ClientSampleId :

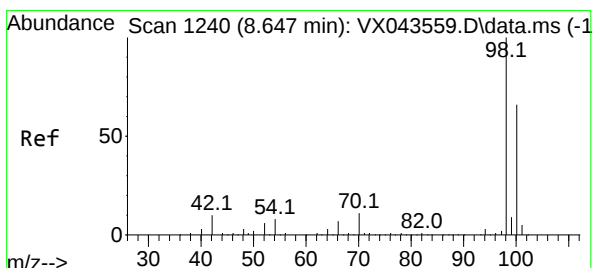
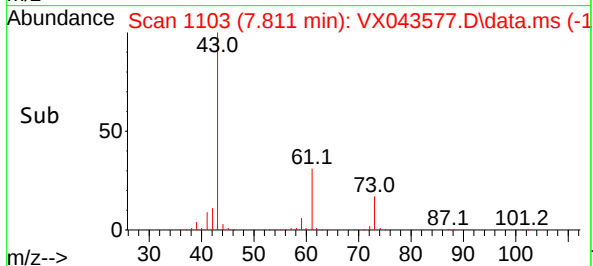
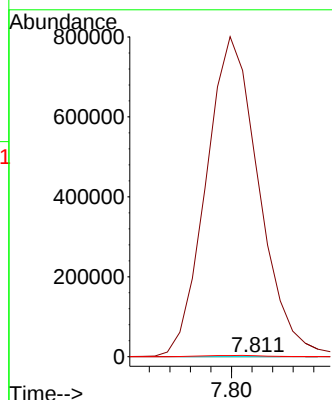
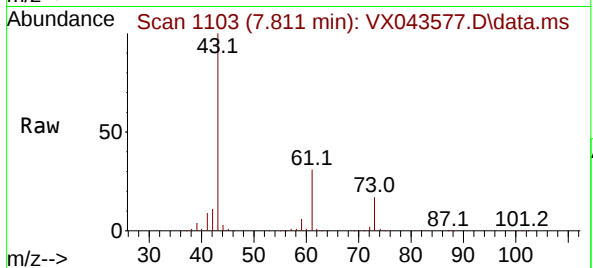
Tgt Ion: 88 Resp: 214

Ion Ratio Lower Upper

88 100

43 678058.4 25.3 37.9#

58 3113.1 53.9 80.9#



#50

Toluene-d8

Concen: 49.039 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043577.D

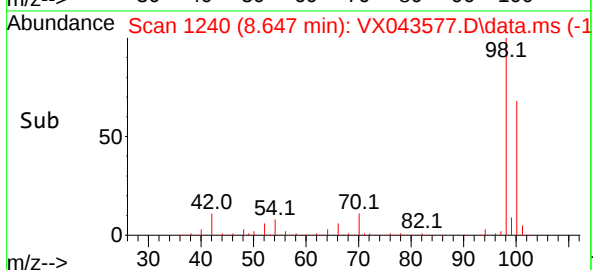
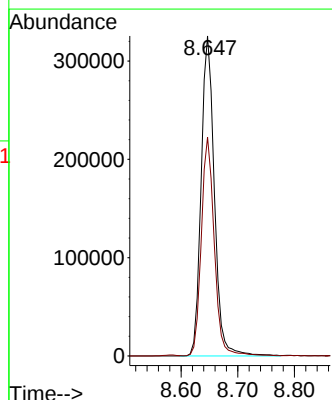
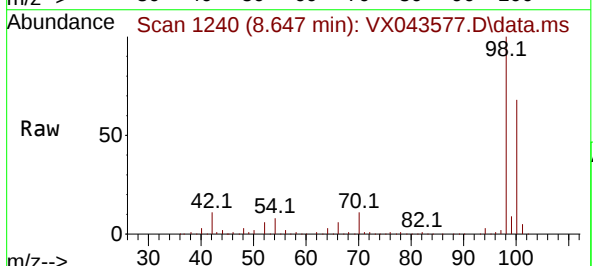
Acq: 28 Oct 2024 20:42

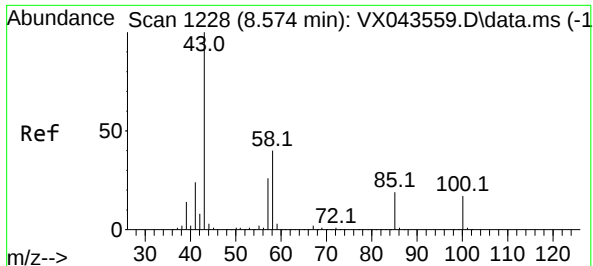
Tgt Ion: 98 Resp: 529125

Ion Ratio Lower Upper

98 100

100 66.9 53.4 80.2

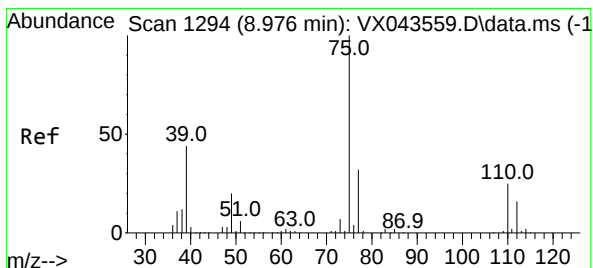
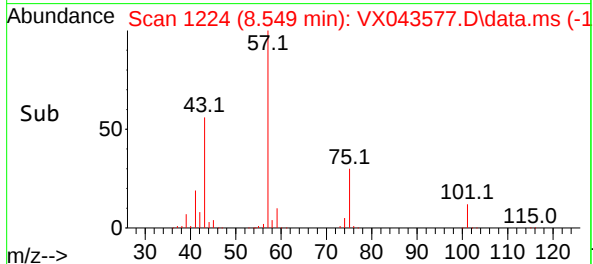
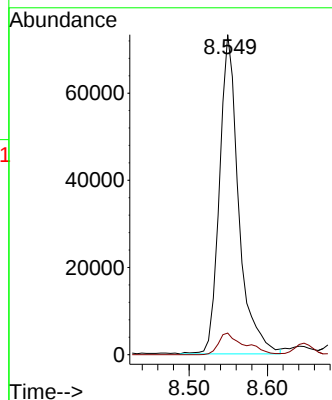
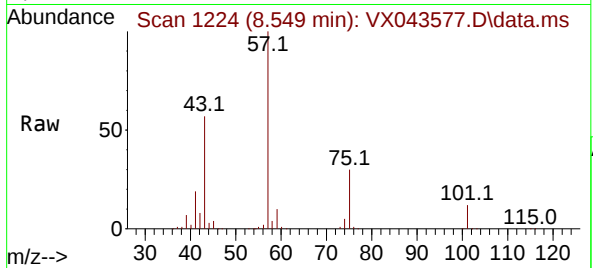




#51
4-Methyl-2-Pentanone
Concen: 27.612 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

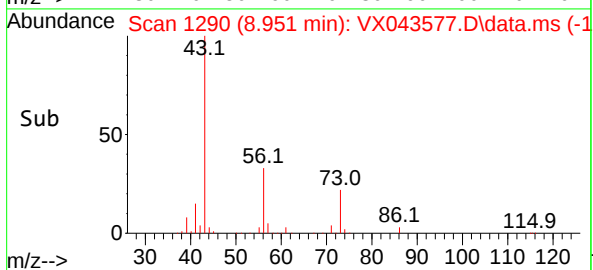
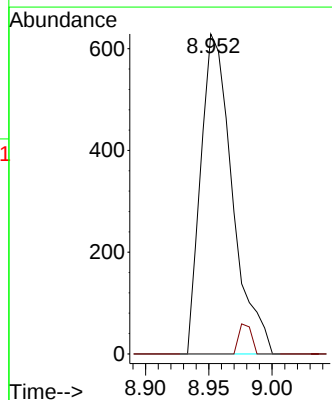
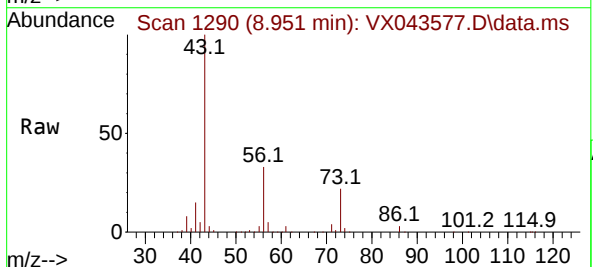
Instrument :
MSVOA_X
ClientSampleId :

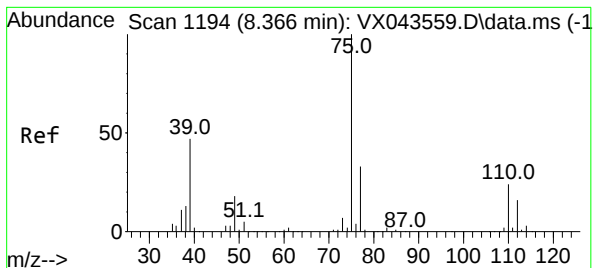
Tgt Ion: 43 Resp: 124883
Ion Ratio Lower Upper
43 100
58 9.1 31.7 47.5#



#53
t-1,3-Dichloropropene
Concen: 0.248 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

Tgt Ion: 75 Resp: 1093
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#





#54

cis-1,3-Dichloropropene

Concen: 12.995 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX043577.D

Acq: 28 Oct 2024 20:42

Instrument :

MSVOA_X

ClientSampleId :

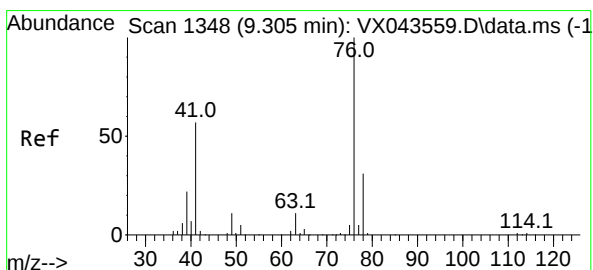
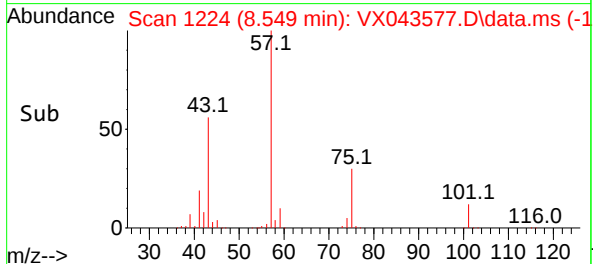
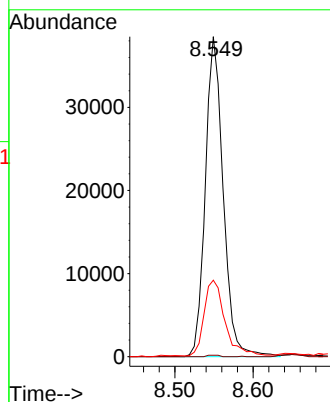
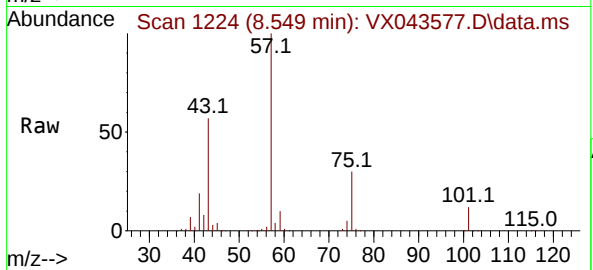
Tgt Ion: 75 Resp: 60985

Ion Ratio Lower Upper

75 100

77 0.4 24.8 37.2#

39 23.6 37.7 56.5#



#57

1,3-Dichloropropane

Concen: 1.530 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043577.D

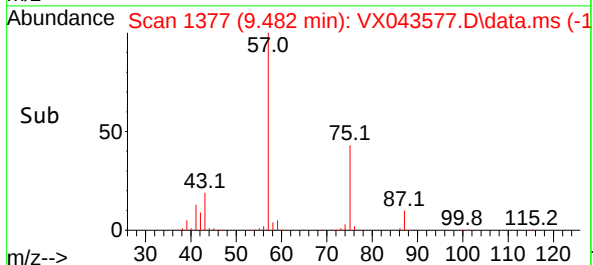
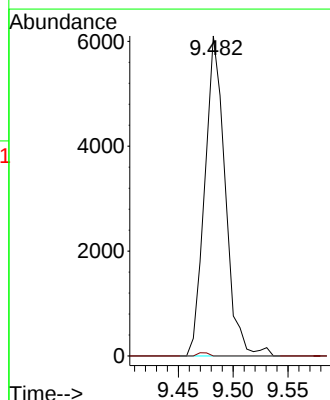
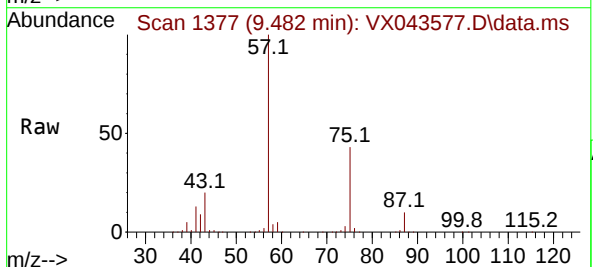
Acq: 28 Oct 2024 20:42

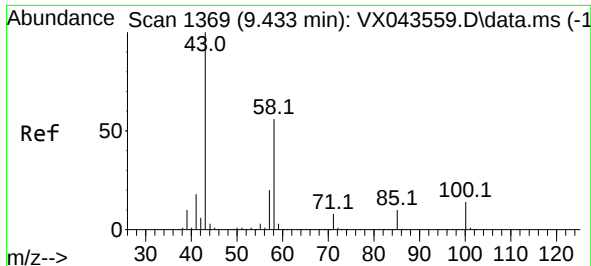
Tgt Ion: 76 Resp: 7921

Ion Ratio Lower Upper

76 100

78 0.6 25.9 38.9#

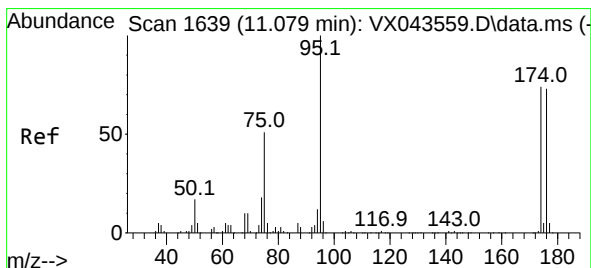
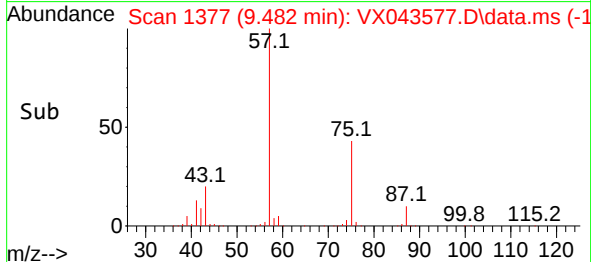
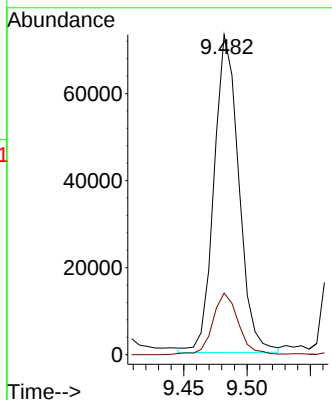
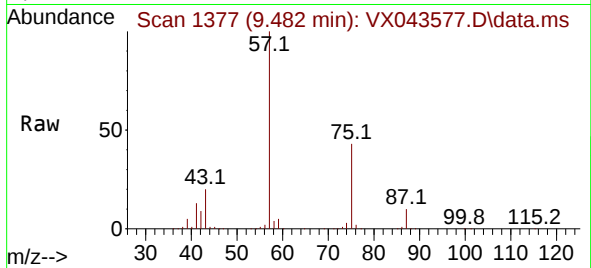




#59
2-Hexanone
Concen: 28.959 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

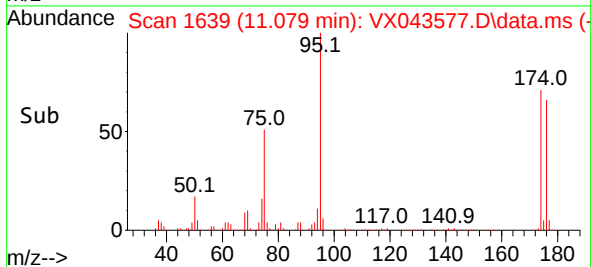
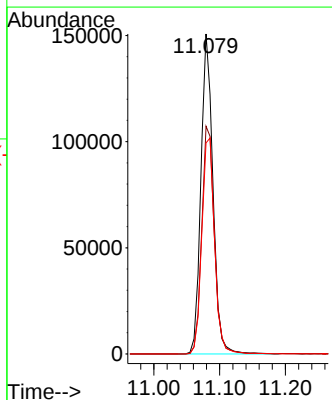
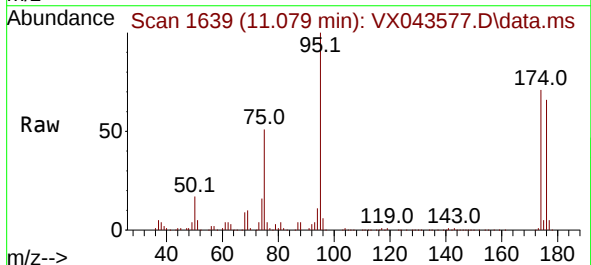
Instrument :
MSVOA_X
ClientSampleId :

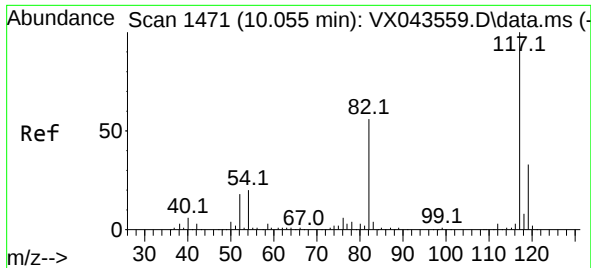
Tgt Ion: 43 Resp: 99476
Ion Ratio Lower Upper
43 100
58 20.0 27.5 82.5#



#62
4-Bromofluorobenzene
Concen: 48.068 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

Tgt Ion: 95 Resp: 192184
Ion Ratio Lower Upper
95 100
174 74.3 0.0 146.6
176 71.7 0.0 139.6

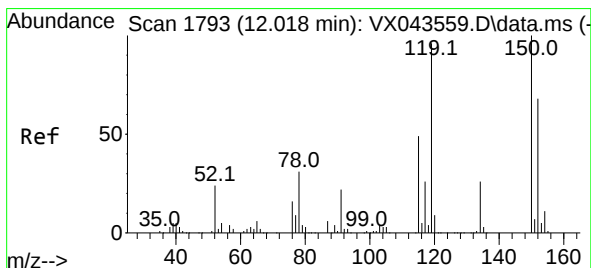
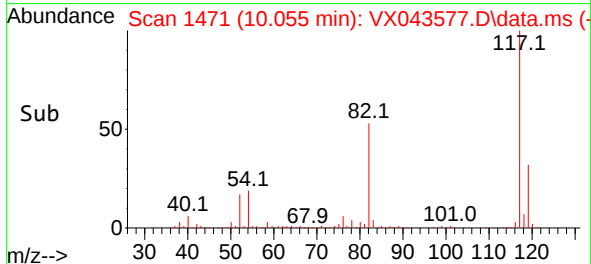
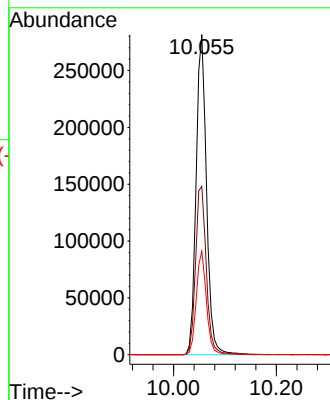
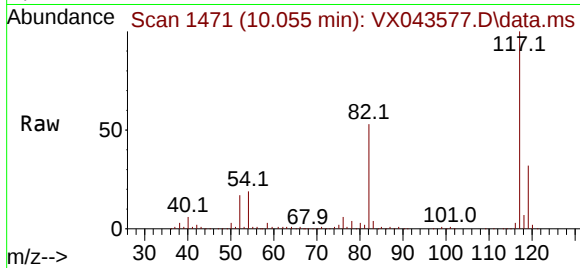




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

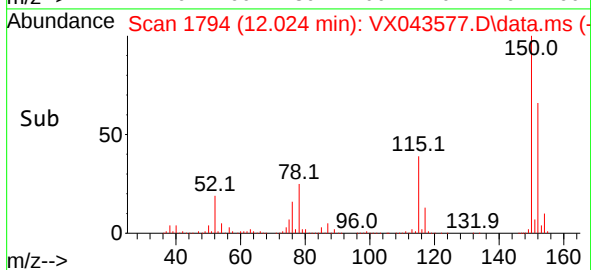
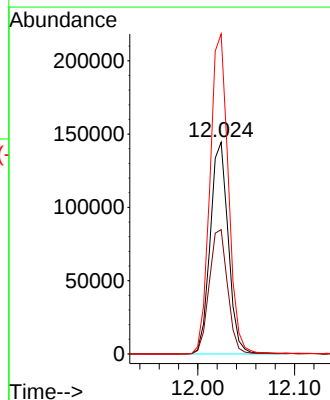
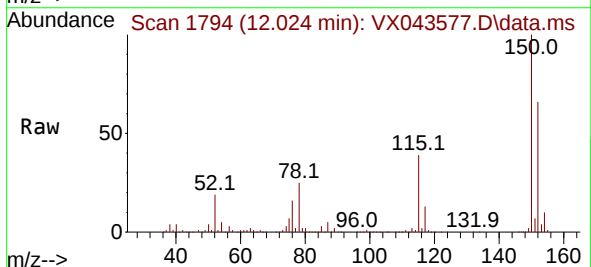
Instrument :
MSVOA_X
ClientSampleId :

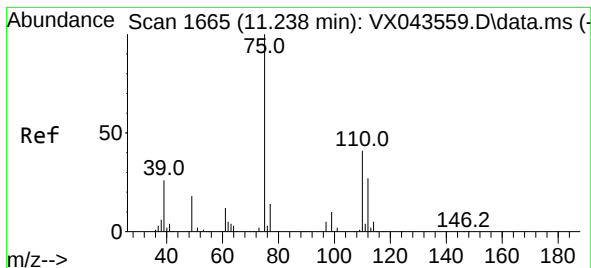
Tgt Ion:117 Resp: 397671
Ion Ratio Lower Upper
117 100
82 52.5 42.1 63.1
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043577.D
Acq: 28 Oct 2024 20:42

Tgt Ion:152 Resp: 187196
Ion Ratio Lower Upper
152 100
115 60.2 42.9 128.7
150 154.0 0.0 343.6





#76

1,2,3-Trichloropropane

Concen: 24.140 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX043577.D

Acq: 28 Oct 2024 20:42

Instrument :

MSVOA_X

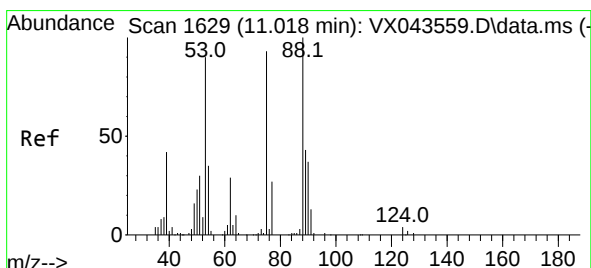
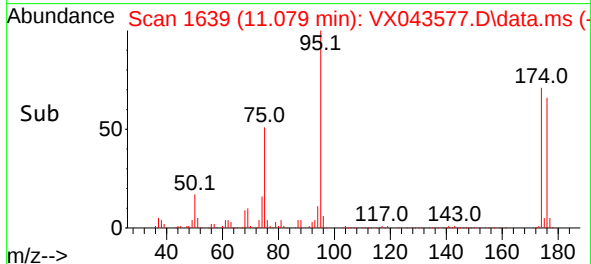
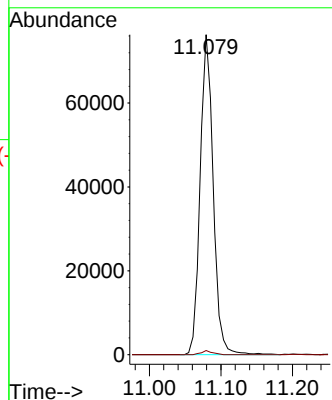
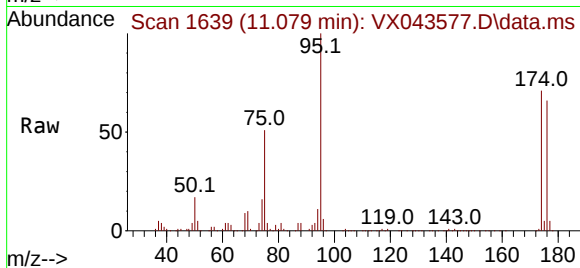
ClientSampleId :

Tgt Ion: 75 Resp: 96620

Ion Ratio Lower Upper

75 100

77 1.1 22.4 67.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.410 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043577.D

Acq: 28 Oct 2024 20:42

Tgt Ion: 75 Resp: 96620

Ion Ratio Lower Upper

75 100

53 0.0 84.6 126.8#

89 0.0 38.6 58.0#

