

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
 Data File : VX044989.D
 Acq On : 18 Feb 2025 15:46
 Operator : JC/MD
 Sample : PB166736ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 19 06:13:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

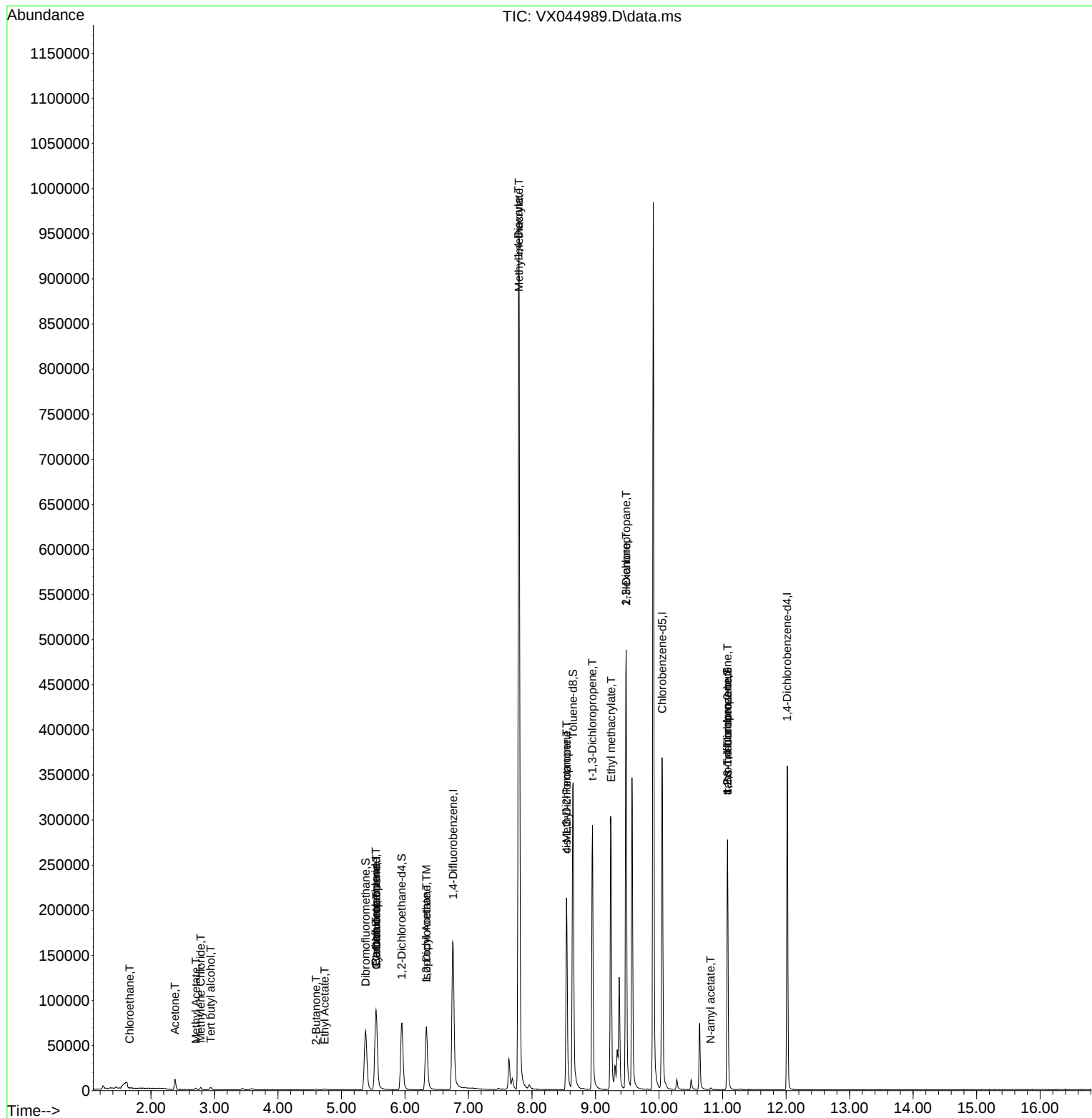
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	84519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	173182	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	159204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	70309	56.829	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.660%	
35) Dibromofluoromethane	5.379	113	56855	50.494	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.980%	
50) Toluene-d8	8.647	98	216663	50.887	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.780%	
62) 4-Bromofluorobenzene	11.079	95	75103	52.323	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.640%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.666	64	49	1.414	ug/l #	42
11) Tert butyl alcohol	2.941	59	1549	6.749	ug/l #	73
16) Acetone	2.380	43	13347	26.835	ug/l	95
18) Methyl Acetate	2.709	43	2596	1.654	ug/l #	89
20) Methylene Chloride	2.782	84	1229	1.009	ug/l	90
25) 2-Butanone	4.599	43	747	0.925	ug/l	94
31) Cyclohexane	5.550	56	2086	1.086	ug/l #	25
36) 1,1-Dichloropropene	5.550	75	7570	4.660	ug/l #	48
37) Ethyl Acetate	4.733	43	2205	1.220	ug/l #	88
38) Carbon Tetrachloride	5.544	117	9440	5.930	ug/l #	14
42) 1,2-Dichloroethane	6.336	62	422	0.261	ug/l #	74
43) Isopropyl Acetate	6.336	43	100465	34.431	ug/l	99
48) Methyl methacrylate	7.793	41	85111	61.863	ug/l #	44
49) 1,4-Dioxane	7.787	88	140	4.743	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	77434	43.652	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	641	0.374	ug/l #	42
54) cis-1,3-Dichloropropene	8.543	75	34353	17.967	ug/l #	64
56) Ethyl methacrylate	9.244	69	574	0.306	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4437	2.184	ug/l #	42
59) 2-Hexanone	9.482	43	61285	47.950	ug/l #	52
74) N-amyl acetate	10.811	43	682	0.267	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	39428	25.324	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	39428	65.144	ug/l #	11

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

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ClientSampleId :

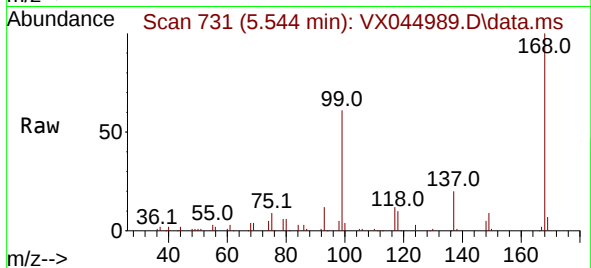
Quant Time: Feb 19 06:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



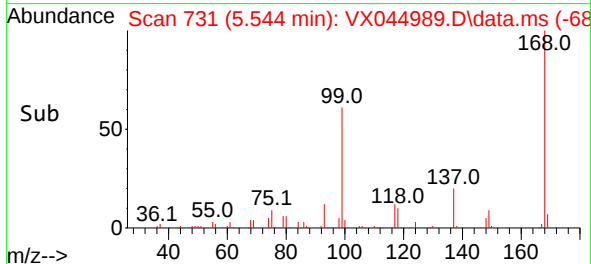
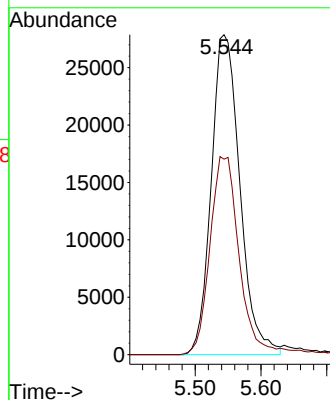


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044989.D
Acq: 18 Feb 2025 15:46

Instrument :
MSVOA_X
ClientSampleId :

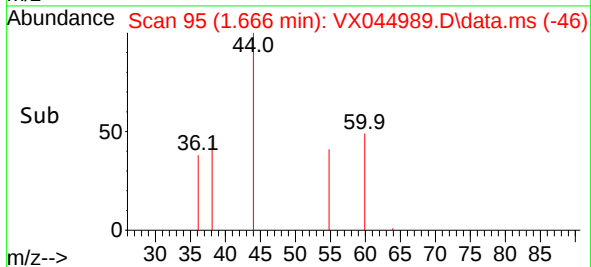
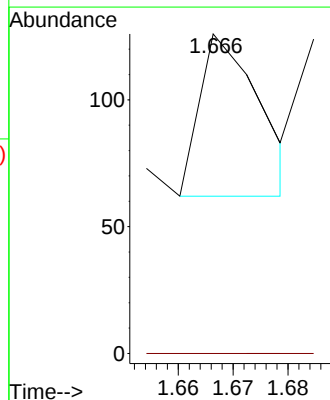
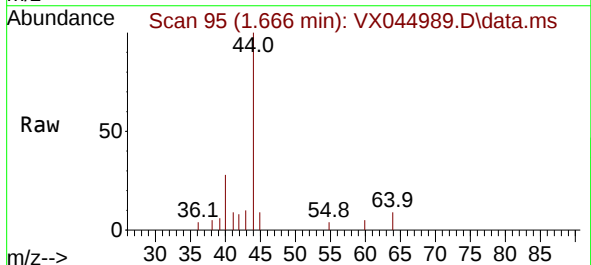


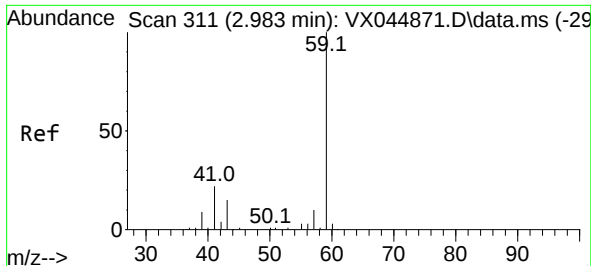
Tgt Ion:168 Resp: 84519
Ion Ratio Lower Upper
168 100
99 61.1 51.2 76.8



#6
Chloroethane
Concen: 1.414 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044989.D
Acq: 18 Feb 2025 15:46

Tgt Ion: 64 Resp: 49
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

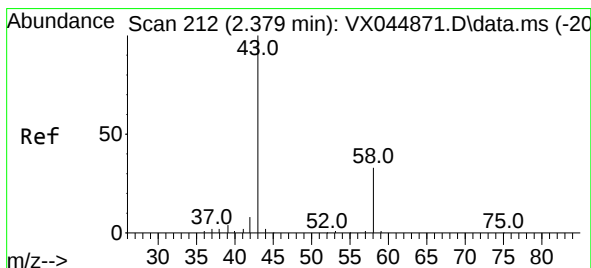
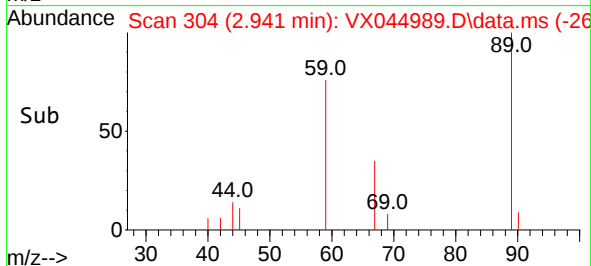
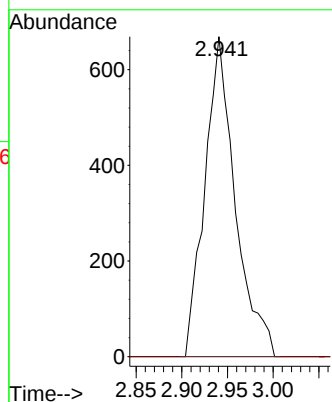
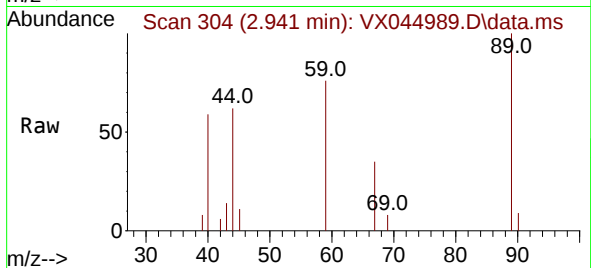




#11
Tert butyl alcohol
Concen: 6.749 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.042 min
Lab File: VX044989.D
Acq: 18 Feb 2025 15:46

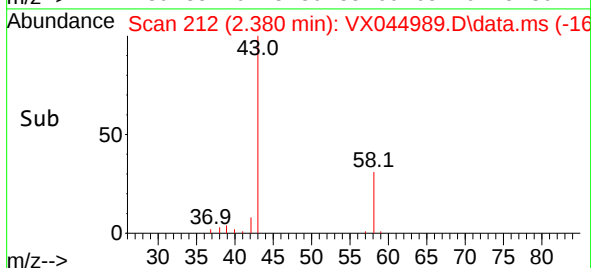
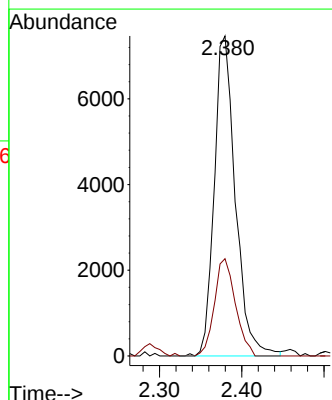
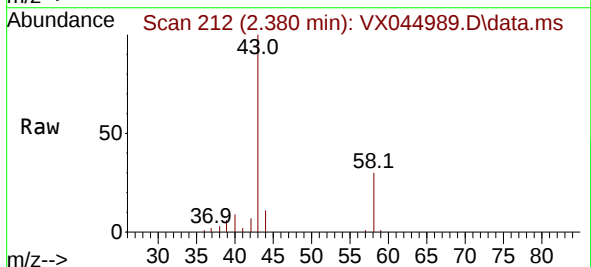
Instrument :
MSVOA_X
ClientSampleId :

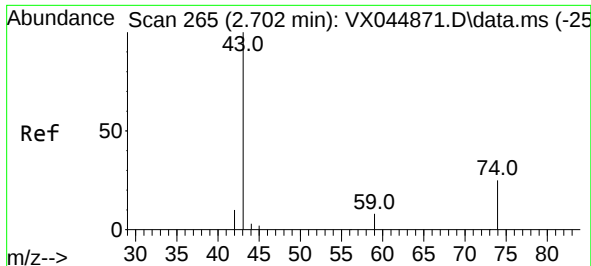
Tgt Ion: 59 Resp: 1549
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 26.835 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044989.D
Acq: 18 Feb 2025 15:46

Tgt Ion: 43 Resp: 13347
Ion Ratio Lower Upper
43 100
58 30.4 26.5 39.7

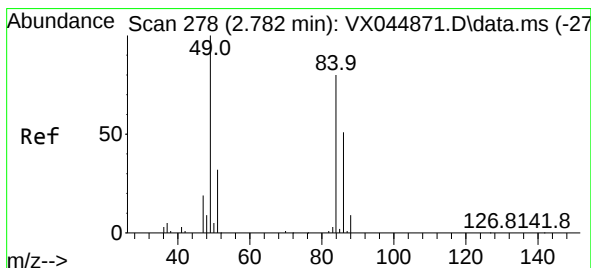
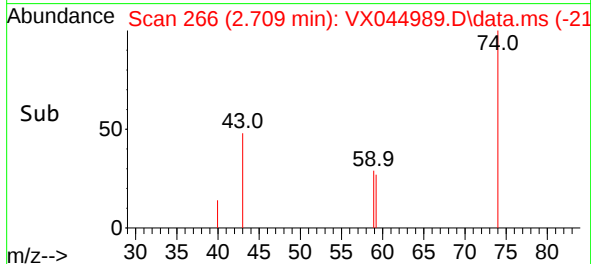
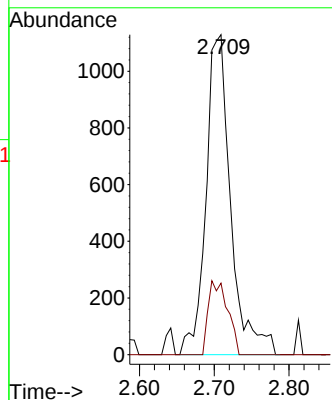
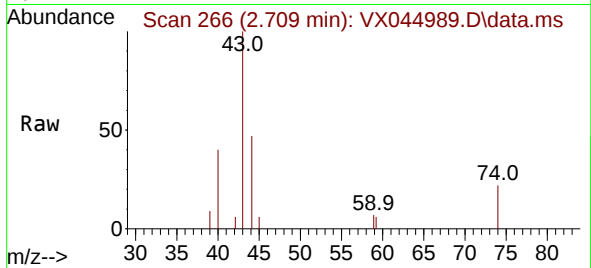




#18
Methyl Acetate
Concen: 1.654 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044989.D
Acq: 18 Feb 2025 15:46

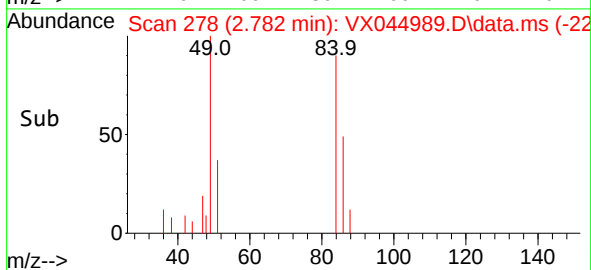
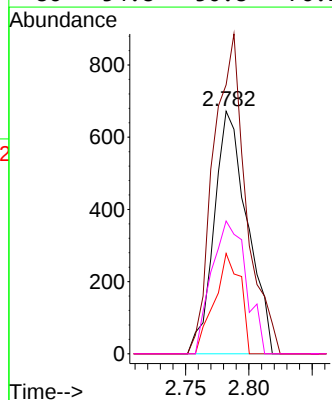
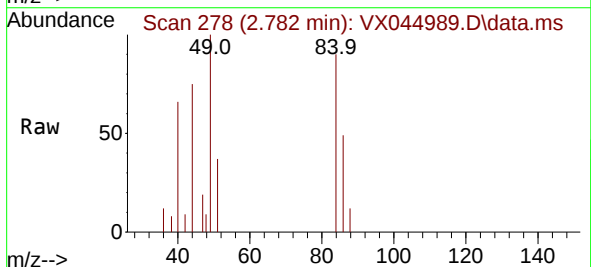
Instrument :
MSVOA_X
ClientSampleId :

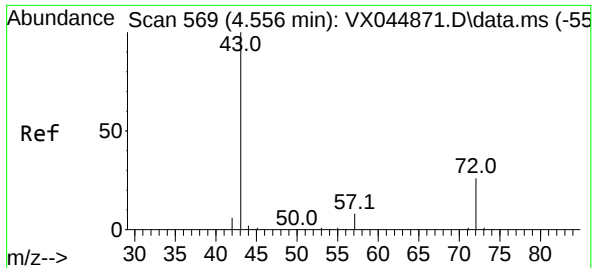
Tgt Ion: 43 Resp: 2596
Ion Ratio Lower Upper
43 100
74 18.1 18.9 28.3#



#20
Methylene Chloride
Concen: 1.009 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044989.D
Acq: 18 Feb 2025 15:46

Tgt Ion: 84 Resp: 1229
Ion Ratio Lower Upper
84 100
49 110.9 100.1 150.1
51 41.4 31.7 47.5
86 54.8 50.8 76.2

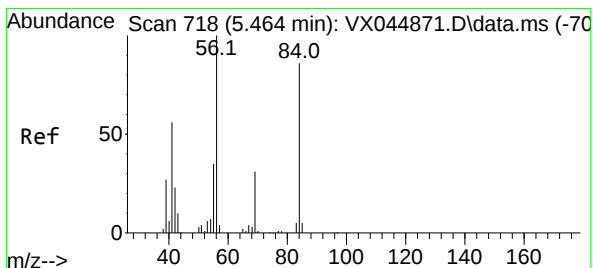
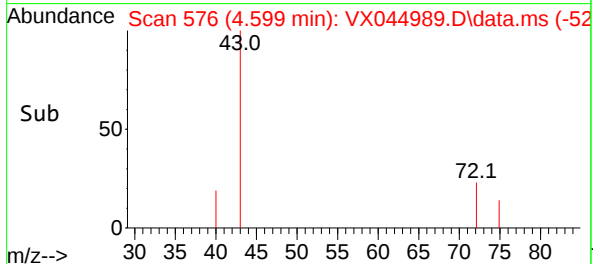
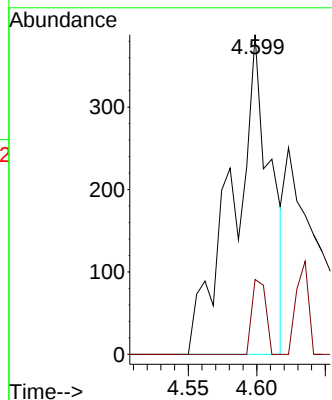
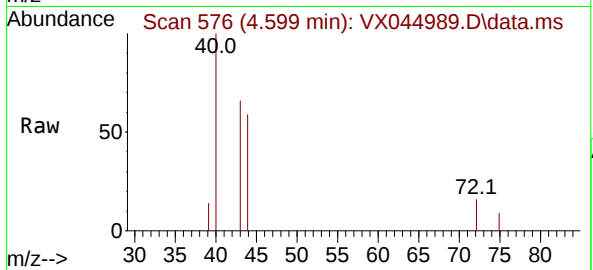




#25
2-Butanone
Concen: 0.925 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX044989.D
Acq: 18 Feb 2025 15:46

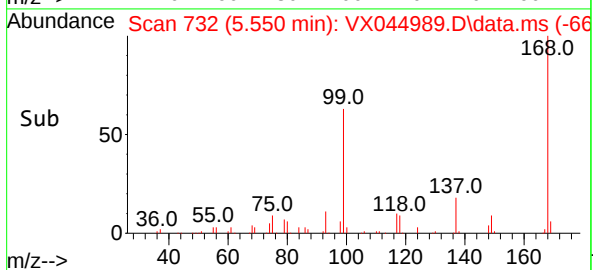
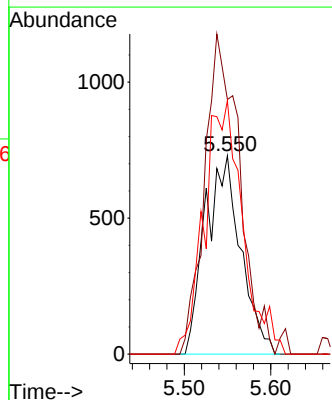
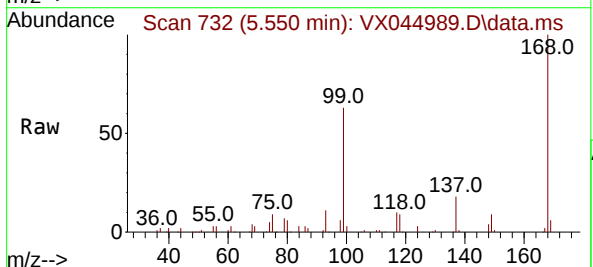
Instrument :
MSVOA_X
ClientSampleId :

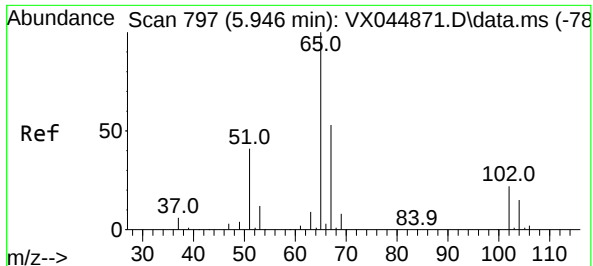
Tgt Ion: 43 Resp: 747
Ion Ratio Lower Upper
43 100
72 23.5 21.2 31.8



#31
Cyclohexane
Concen: 1.086 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.086 min
Lab File: VX044989.D
Acq: 18 Feb 2025 15:46

Tgt Ion: 56 Resp: 2086
Ion Ratio Lower Upper
56 100
69 128.4 24.4 36.6#
84 120.9 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 56.829 ug/l

RT: 5.946 min Scan# 79

Delta R.T. 0.000 min

Lab File: VX044989.D

Acq: 18 Feb 2025 15:46

Instrument :

MSVOA_X

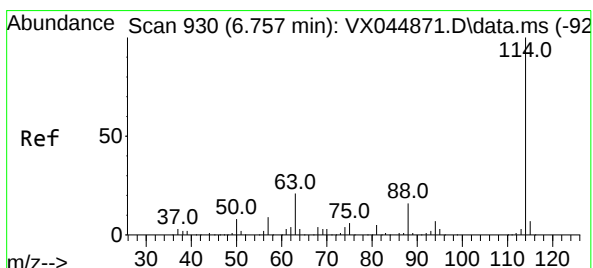
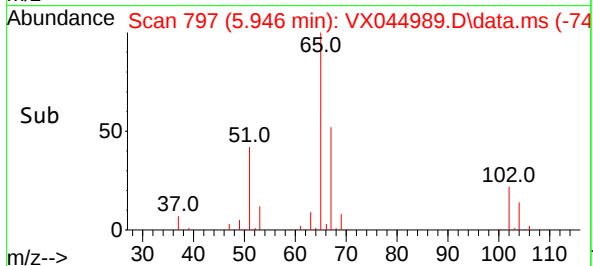
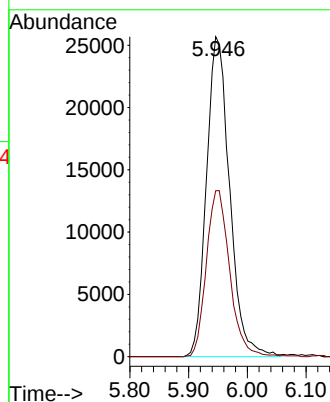
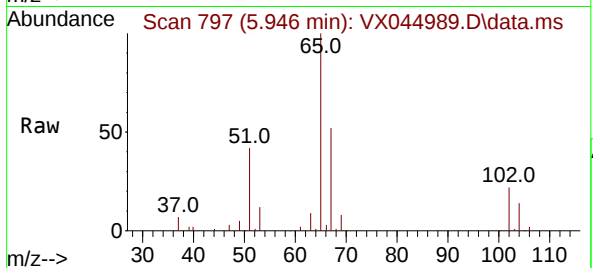
ClientSampleId :

Tgt Ion: 65 Resp: 70309

Ion Ratio Lower Upper

65 100

67 52.5 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044989.D

Acq: 18 Feb 2025 15:46

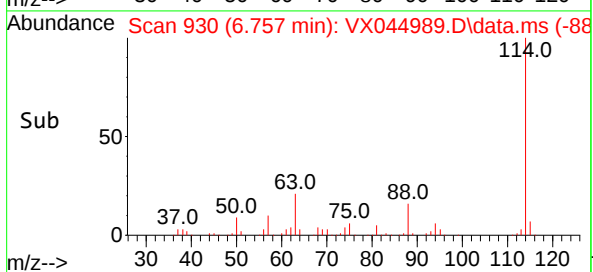
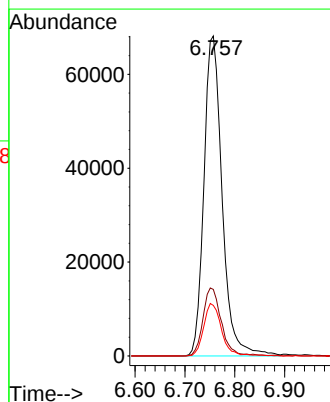
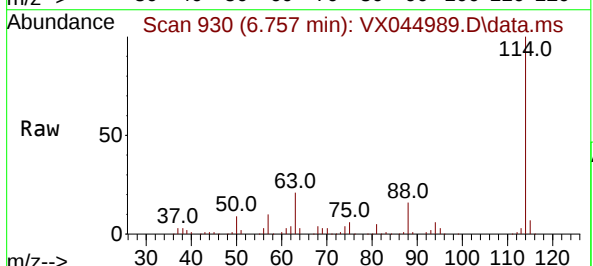
Tgt Ion: 114 Resp: 173182

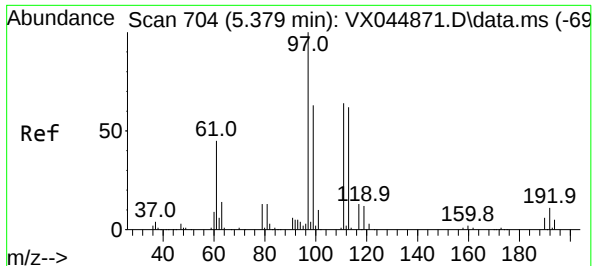
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.494 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044989.D

Acq: 18 Feb 2025 15:46

Instrument :

MSVOA_X

ClientSampleId :

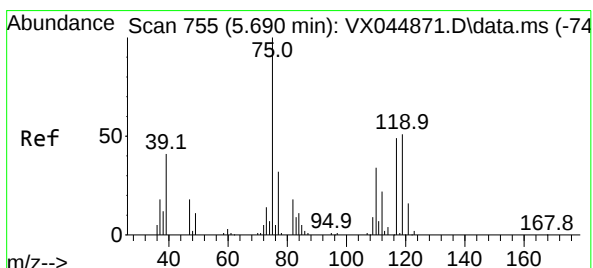
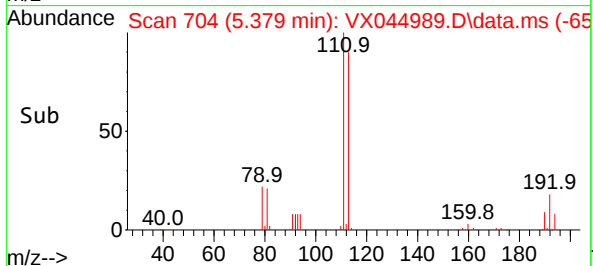
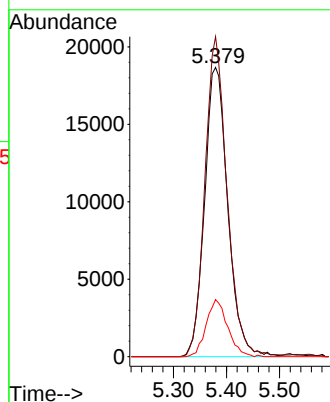
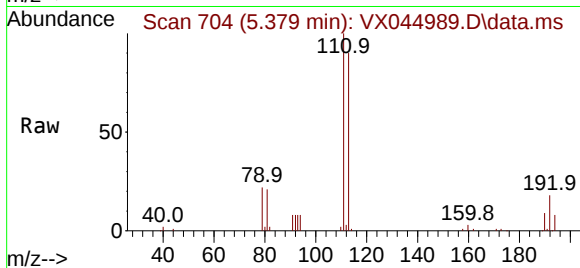
Tgt Ion:113 Resp: 56855

Ion Ratio Lower Upper

113 100

111 105.1 83.5 125.3

192 18.2 14.4 21.6



#36

1,1-Dichloropropene

Concen: 4.660 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX044989.D

Acq: 18 Feb 2025 15:46

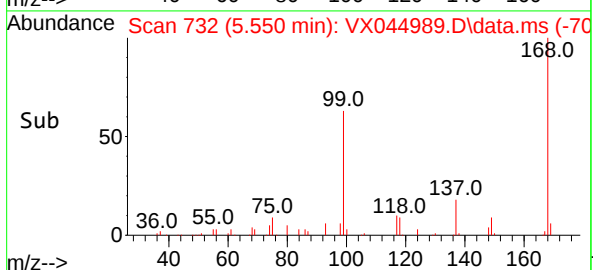
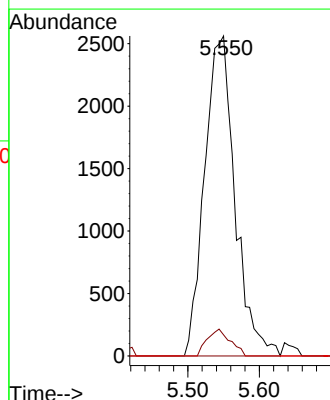
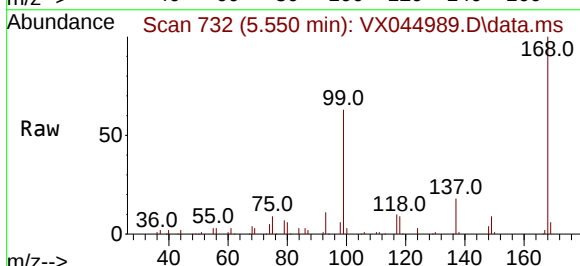
Tgt Ion: 75 Resp: 7570

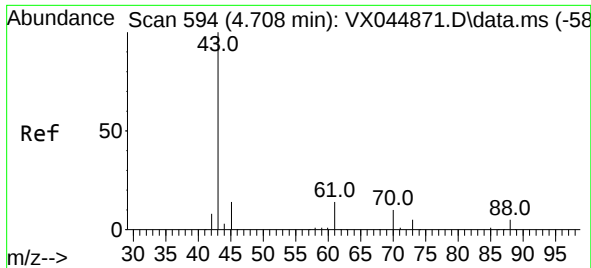
Ion Ratio Lower Upper

75 100

110 6.4 17.2 51.6#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.220 ug/l

RT: 4.733 min Scan# 594

Delta R.T. 0.025 min

Lab File: VX044989.D

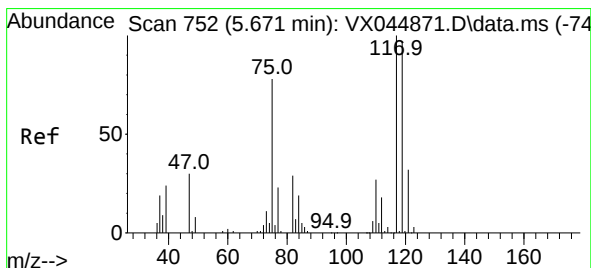
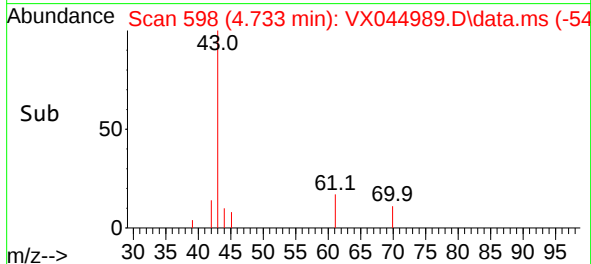
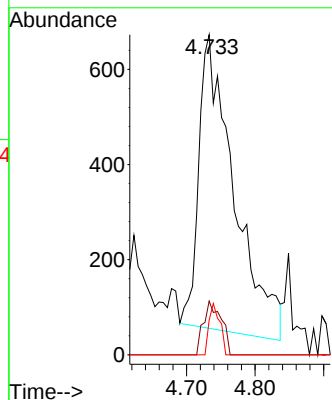
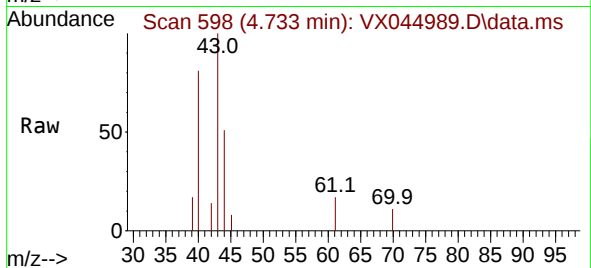
Acq: 18 Feb 2025 15:46

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	2205
Ion	Ratio	Lower	Upper
43	100		
61	9.3	11.0	16.4#
70	5.4	8.2	12.2#



#38

Carbon Tetrachloride

Concen: 5.930 ug/l

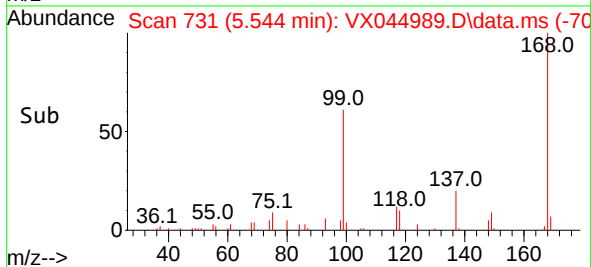
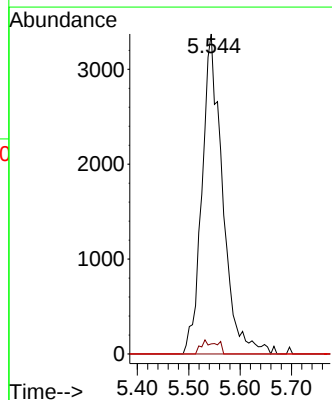
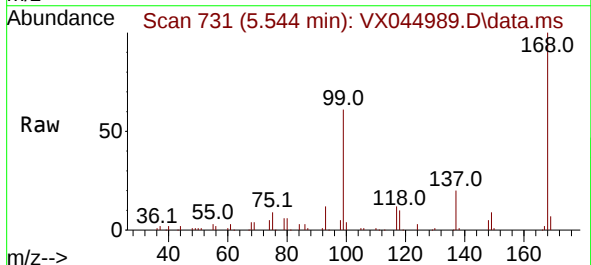
RT: 5.544 min Scan# 731

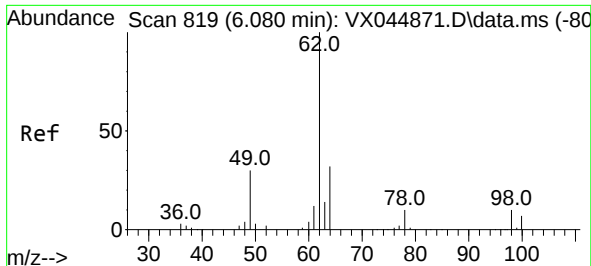
Delta R.T. -0.128 min

Lab File: VX044989.D

Acq: 18 Feb 2025 15:46

Tgt Ion:	117	Resp:	9440
Ion	Ratio	Lower	Upper
117	100		
119	3.2	77.5	116.3#
121	0.0	25.6	38.4#





#42

1,2-Dichloroethane

Concen: 0.261 ug/l

RT: 6.336 min Scan# 80

Delta R.T. 0.256 min

Lab File: VX044989.D

Acq: 18 Feb 2025 15:46

Instrument :

MSVOA_X

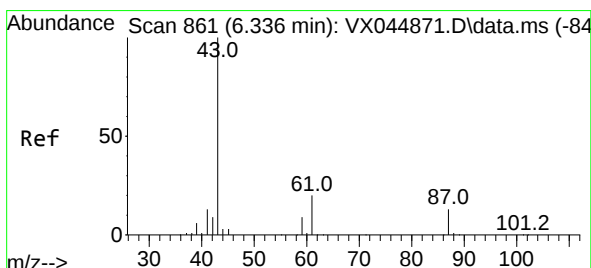
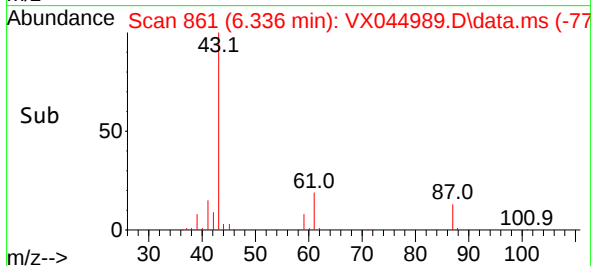
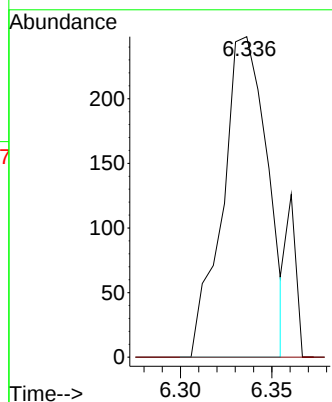
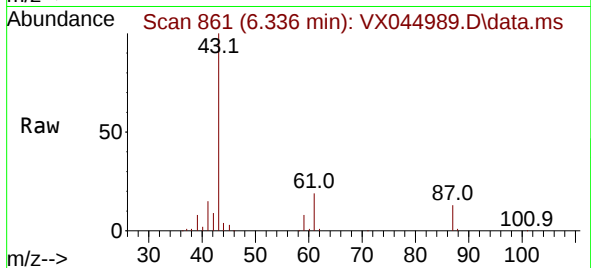
ClientSampleId :

Tgt Ion: 62 Resp: 422

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 34.431 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX044989.D

Acq: 18 Feb 2025 15:46

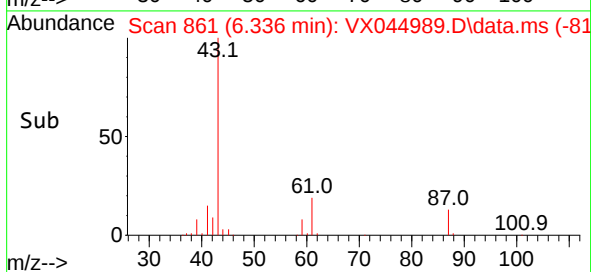
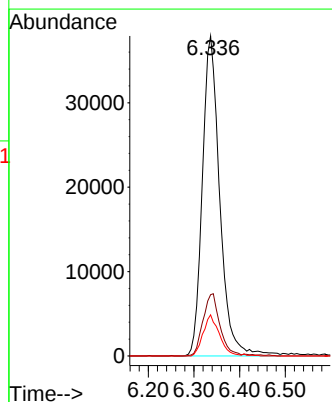
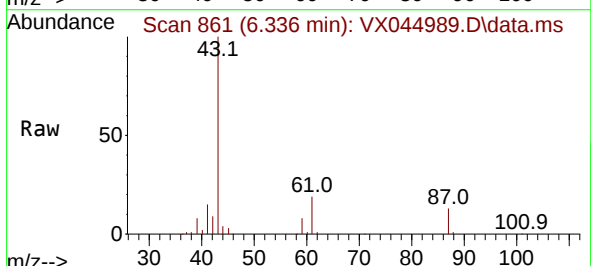
Tgt Ion: 43 Resp: 100465

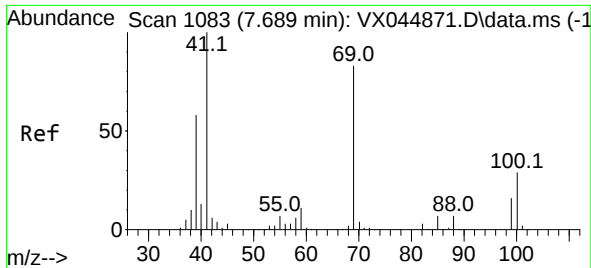
Ion Ratio Lower Upper

43 100

61 19.3 15.8 23.8

87 11.8 10.0 15.0

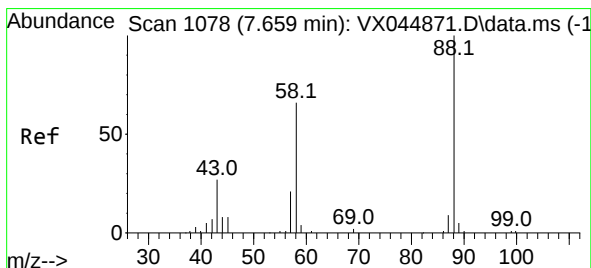
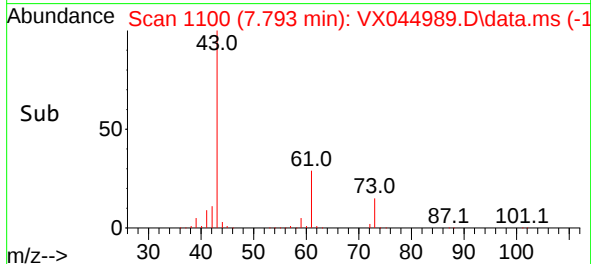
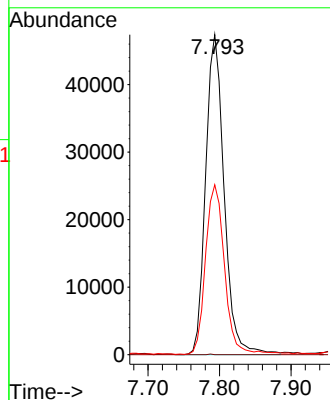
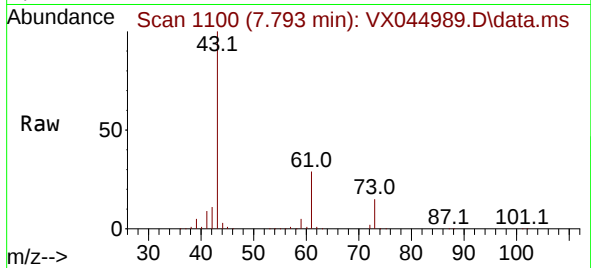




#48
Methyl methacrylate
Concen: 61.863 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX044989.D
Acq: 18 Feb 2025 15:46

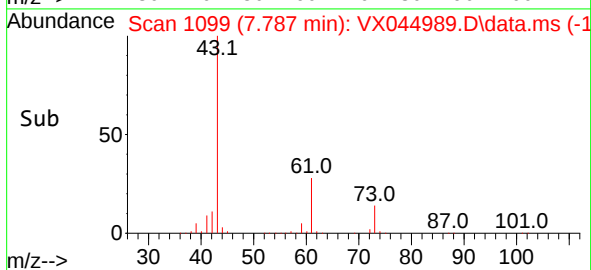
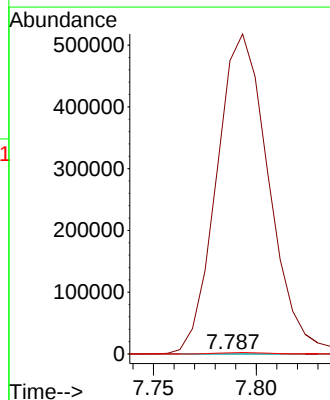
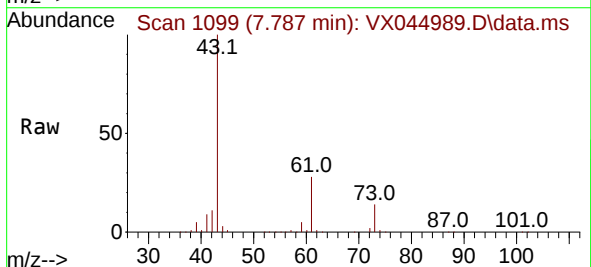
Instrument :
MSVOA_X
ClientSampleId :

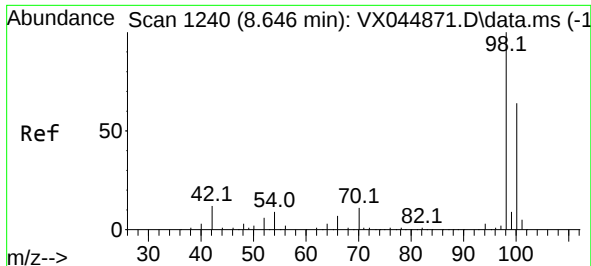
Tgt Ion: 41 Resp: 85111
Ion Ratio Lower Upper
41 100
69 0.0 65.8 98.8#
39 54.5 46.4 69.6



#49
1,4-Dioxane
Concen: 4.743 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.128 min
Lab File: VX044989.D
Acq: 18 Feb 2025 15:46

Tgt Ion: 88 Resp: 140
Ion Ratio Lower Upper
88 100
43 666853.6 26.6 39.8#
58 2740.0 55.9 83.9#

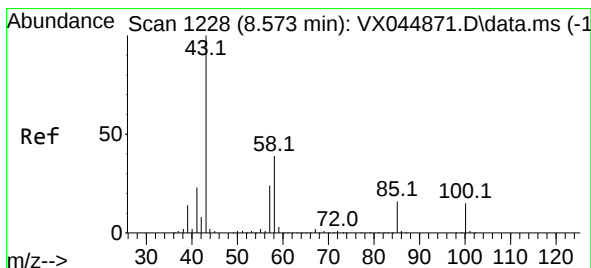
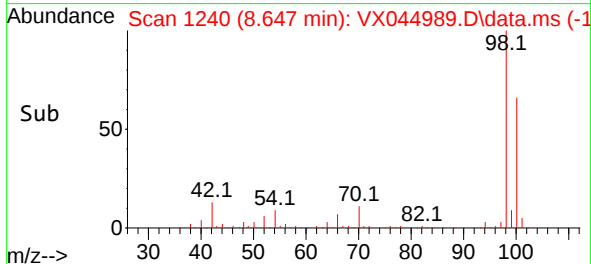
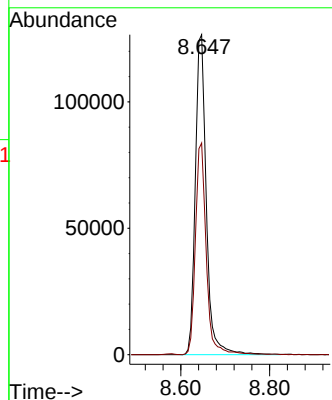
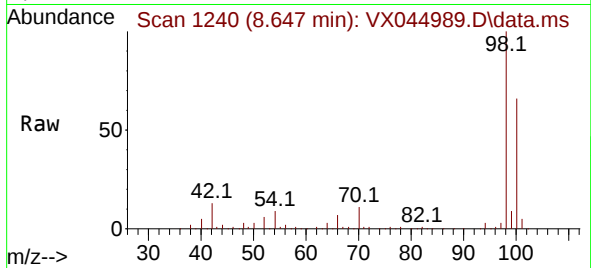




#50
Toluene-d8
Concen: 50.887 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044989.D
Acq: 18 Feb 2025 15:46

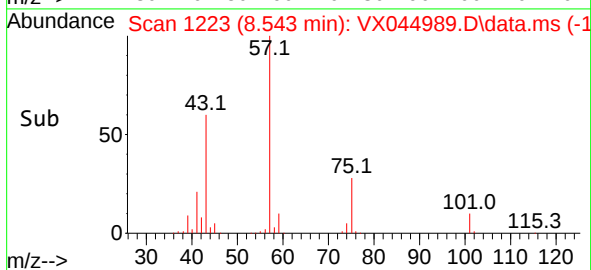
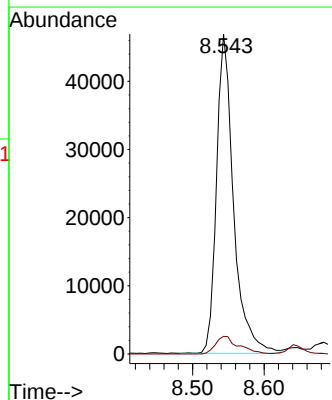
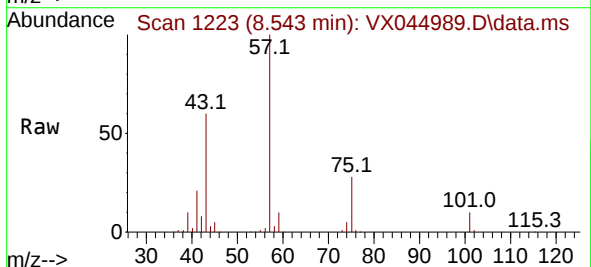
Instrument :
MSVOA_X
ClientSampleId :

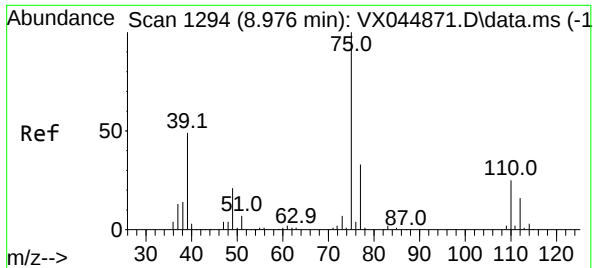
Tgt Ion: 98 Resp: 216663
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 43.652 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX044989.D
Acq: 18 Feb 2025 15:46

Tgt Ion: 43 Resp: 77434
Ion Ratio Lower Upper
43 100
58 7.5 30.8 46.2#





#53

t-1,3-Dichloropropene

Concen: 0.374 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX044989.D

Acq: 18 Feb 2025 15:46

Instrument :

MSVOA_X

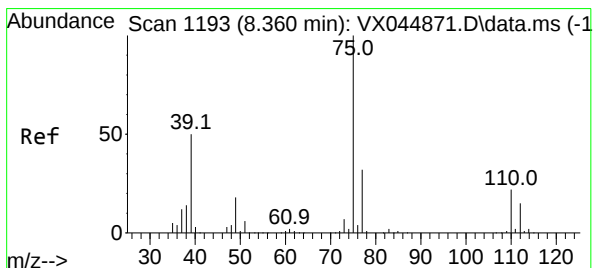
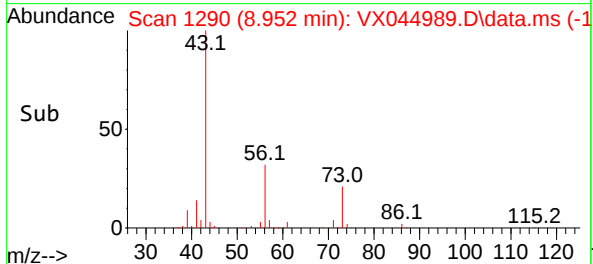
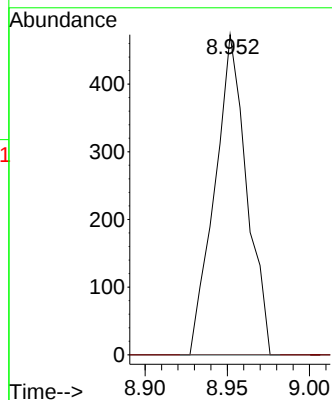
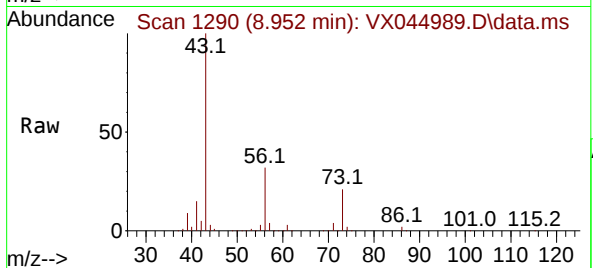
ClientSampleId :

Tgt Ion: 75 Resp: 641

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#



#54

cis-1,3-Dichloropropene

Concen: 17.967 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. 0.183 min

Lab File: VX044989.D

Acq: 18 Feb 2025 15:46

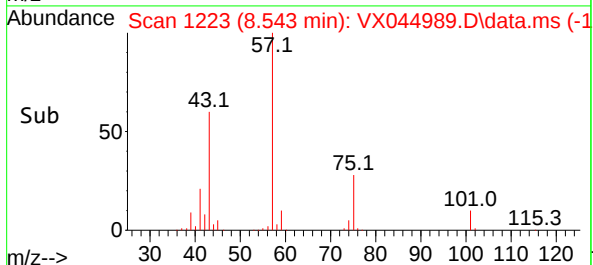
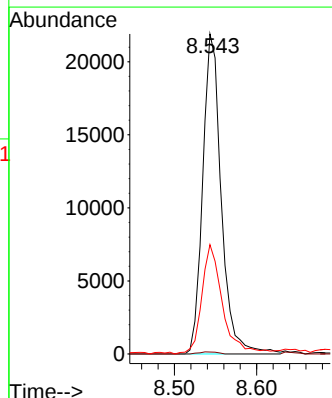
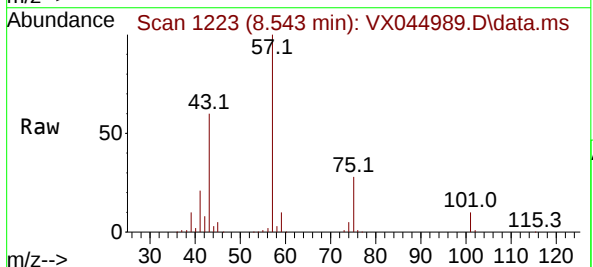
Tgt Ion: 75 Resp: 34353

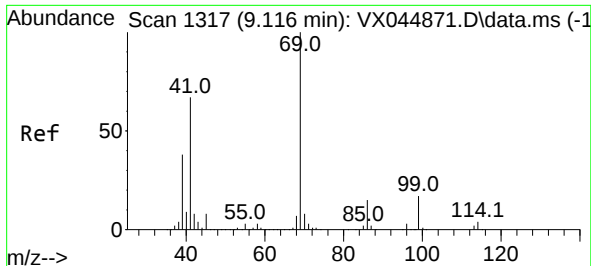
Ion Ratio Lower Upper

75 100

77 0.6 25.3 37.9#

39 33.7 40.0 60.0#





#56

Ethyl methacrylate

Concen: 0.306 ug/l

RT: 9.244 min Scan# 1338

Delta R.T. 0.128 min

Lab File: VX044989.D

Acq: 18 Feb 2025 15:46

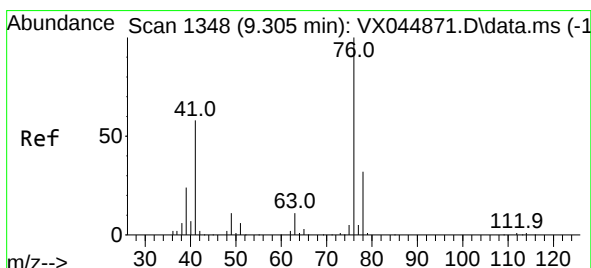
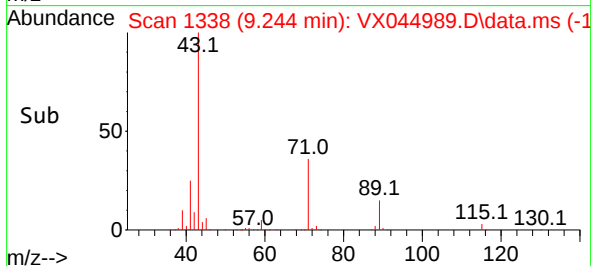
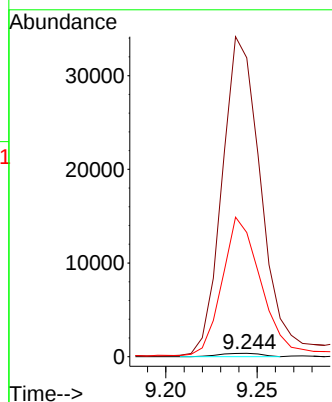
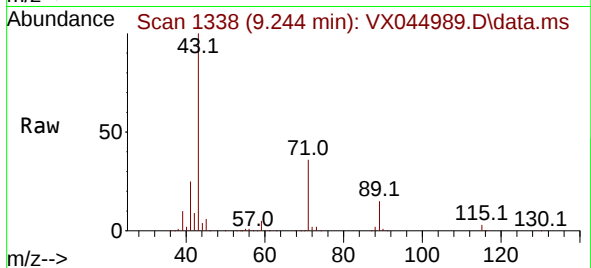
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 69 Resp: 574

Ion	Ratio	Lower	Upper
69	100		
41	8900.7	55.2	82.8#
39	3884.8	30.8	46.2#



#57

1,3-Dichloropropane

Concen: 2.184 ug/l

RT: 9.482 min Scan# 1377

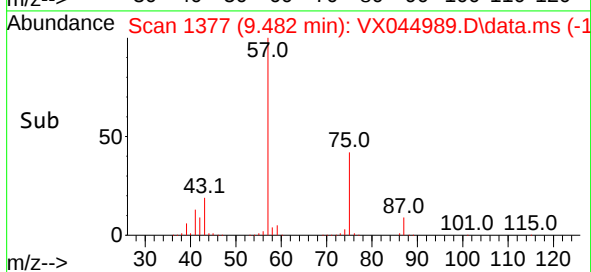
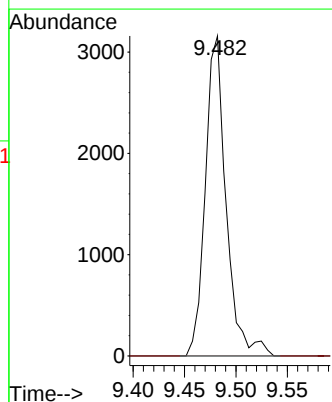
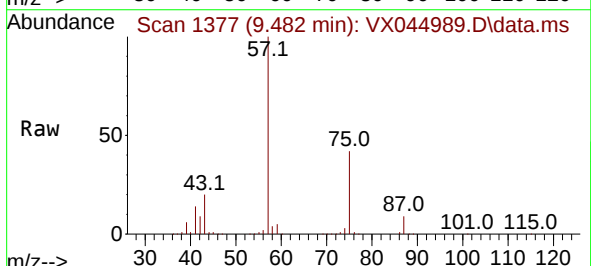
Delta R.T. 0.177 min

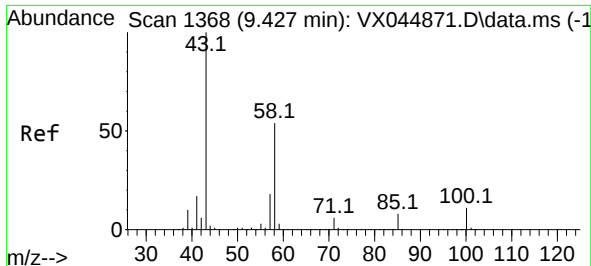
Lab File: VX044989.D

Acq: 18 Feb 2025 15:46

Tgt Ion: 76 Resp: 4437

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.8#





#59

2-Hexanone

Concen: 47.950 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX044989.D

Acq: 18 Feb 2025 15:46

Instrument :

MSVOA_X

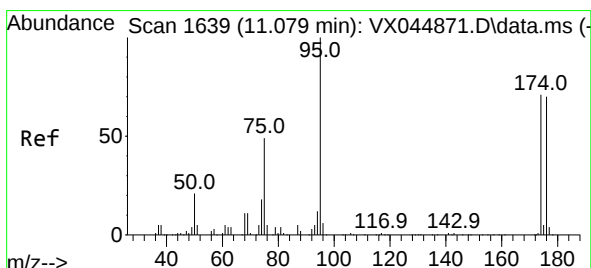
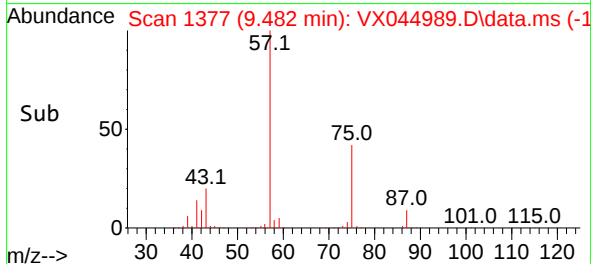
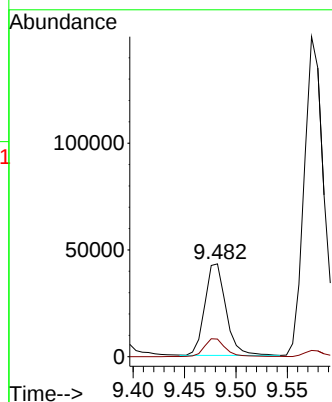
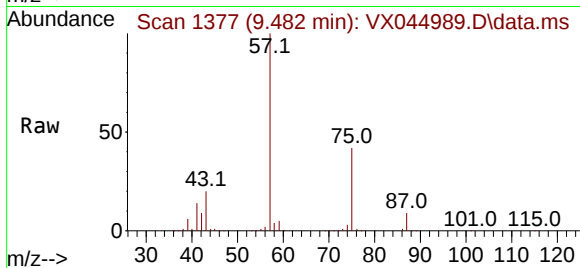
ClientSampleId :

Tgt Ion: 43 Resp: 61285

Ion Ratio Lower Upper

43 100

58 20.1 27.5 82.4#



#62

4-Bromofluorobenzene

Concen: 52.323 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044989.D

Acq: 18 Feb 2025 15:46

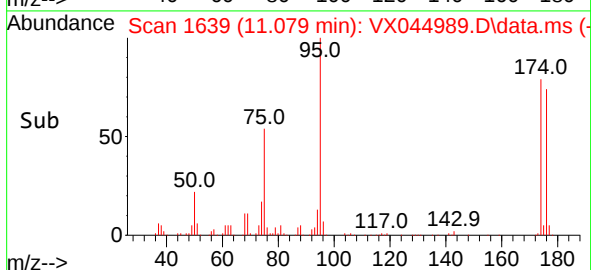
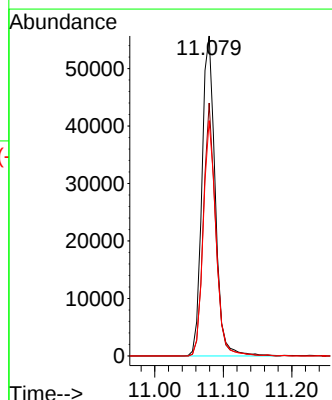
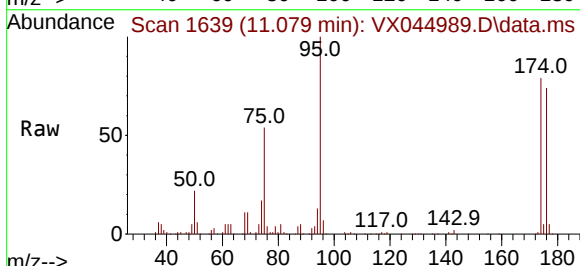
Tgt Ion: 95 Resp: 75103

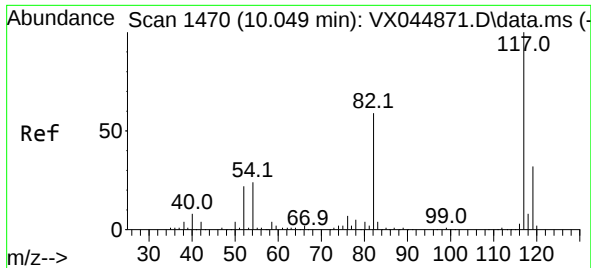
Ion Ratio Lower Upper

95 100

174 72.8 0.0 142.6

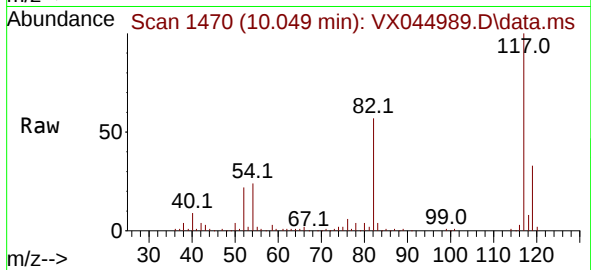
176 71.0 0.0 141.6



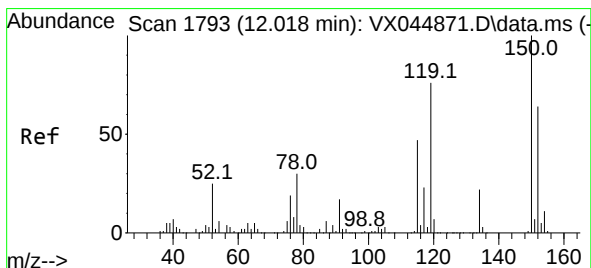
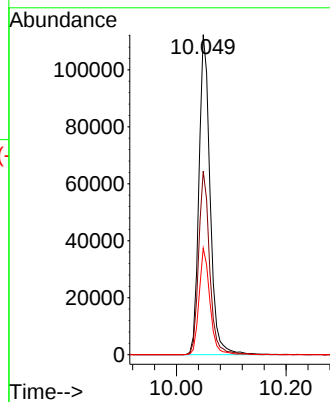
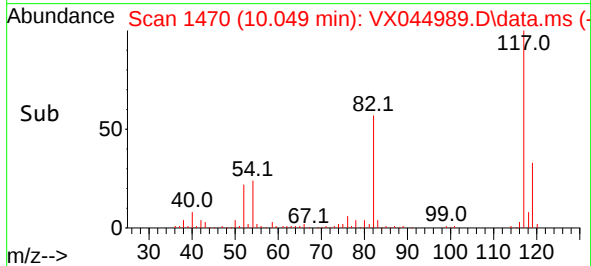


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044989.D
Acq: 18 Feb 2025 15:46

Instrument :
MSVOA_X
ClientSampleId :

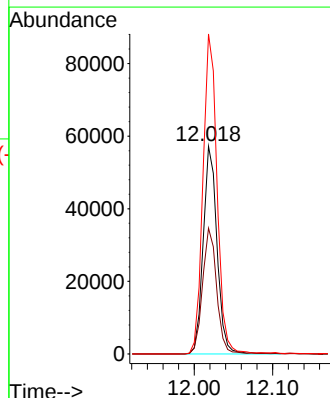
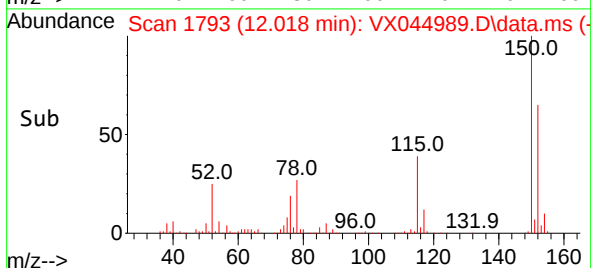
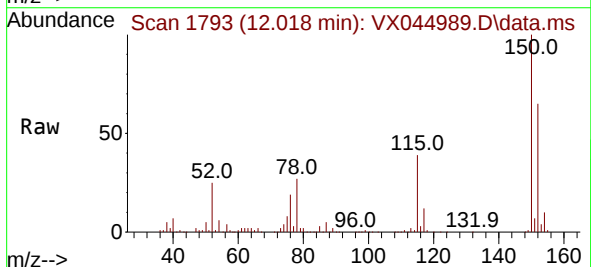


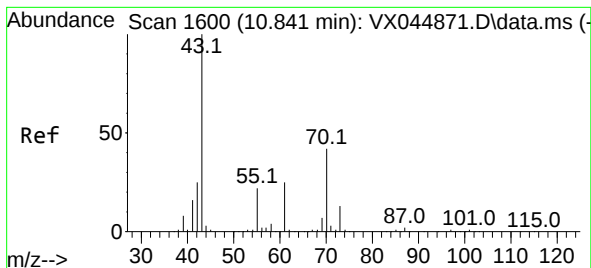
Tgt Ion:117 Resp: 159204
Ion Ratio Lower Upper
117 100
82 57.3 47.5 71.3
119 33.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044989.D
Acq: 18 Feb 2025 15:46

Tgt Ion:152 Resp: 70222
Ion Ratio Lower Upper
152 100
115 61.9 43.4 130.1
150 156.4 0.0 350.4





#74

N-amy1 acetate

Concen: 0.267 ug/l

RT: 10.811 min Scan# 1

Delta R.T. -0.030 min

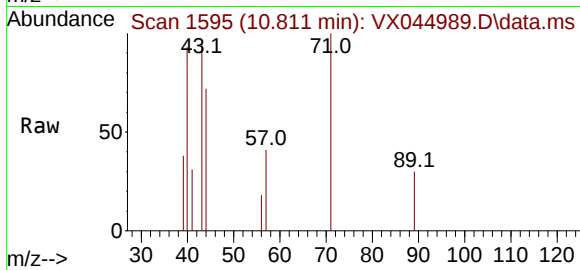
Lab File: VX044989.D

Acq: 18 Feb 2025 15:46

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 682

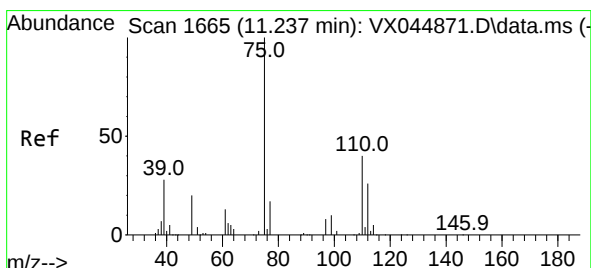
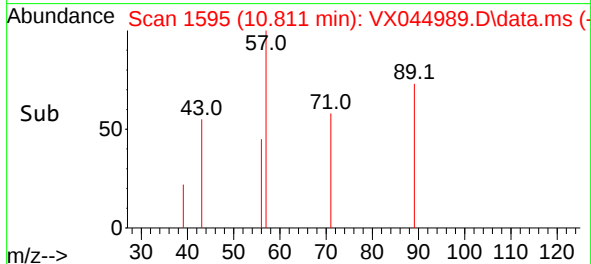
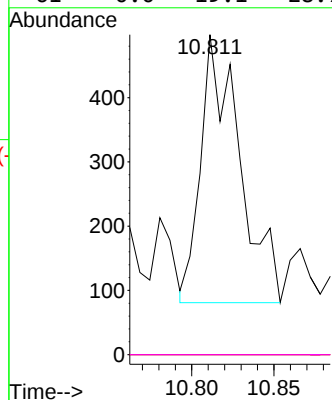
Ion Ratio Lower Upper

43 100

70 0.0 33.7 50.5#

55 0.0 18.6 27.8#

61 0.0 19.1 28.7#



#76

1,2,3-Trichloropropane

Concen: 25.324 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX044989.D

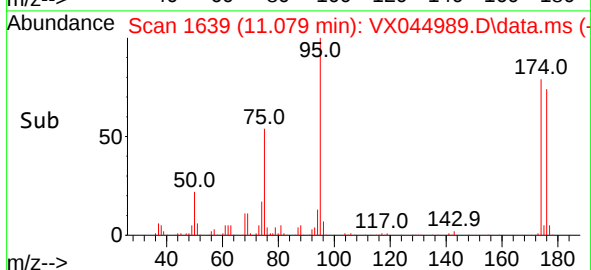
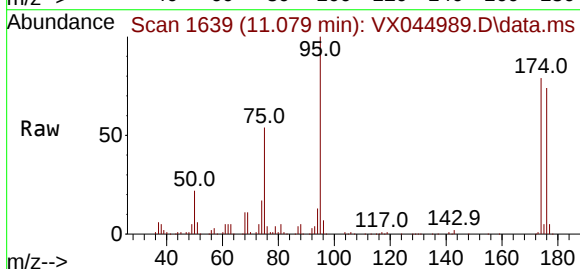
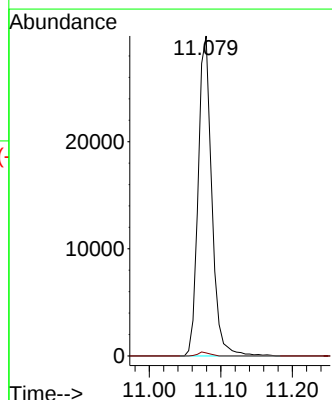
Acq: 18 Feb 2025 15:46

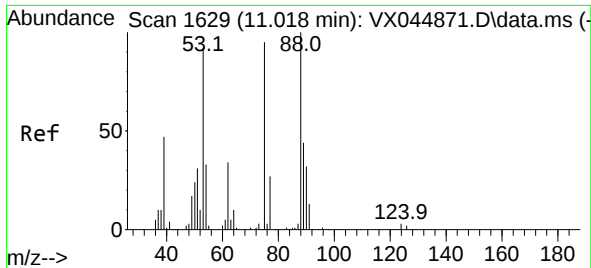
Tgt Ion: 75 Resp: 39428

Ion Ratio Lower Upper

75 100

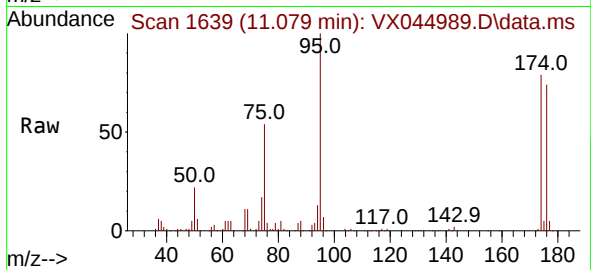
77 1.1 21.9 65.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.144 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044989.D
 Acq: 18 Feb 2025 15:46

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 39428
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.1 36.6 54.8#

