

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121721\
 Data File : VX025862.D
 Acq On : 16 Dec 2021 17:53
 Operator : JC/MD
 Sample : PB141455ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

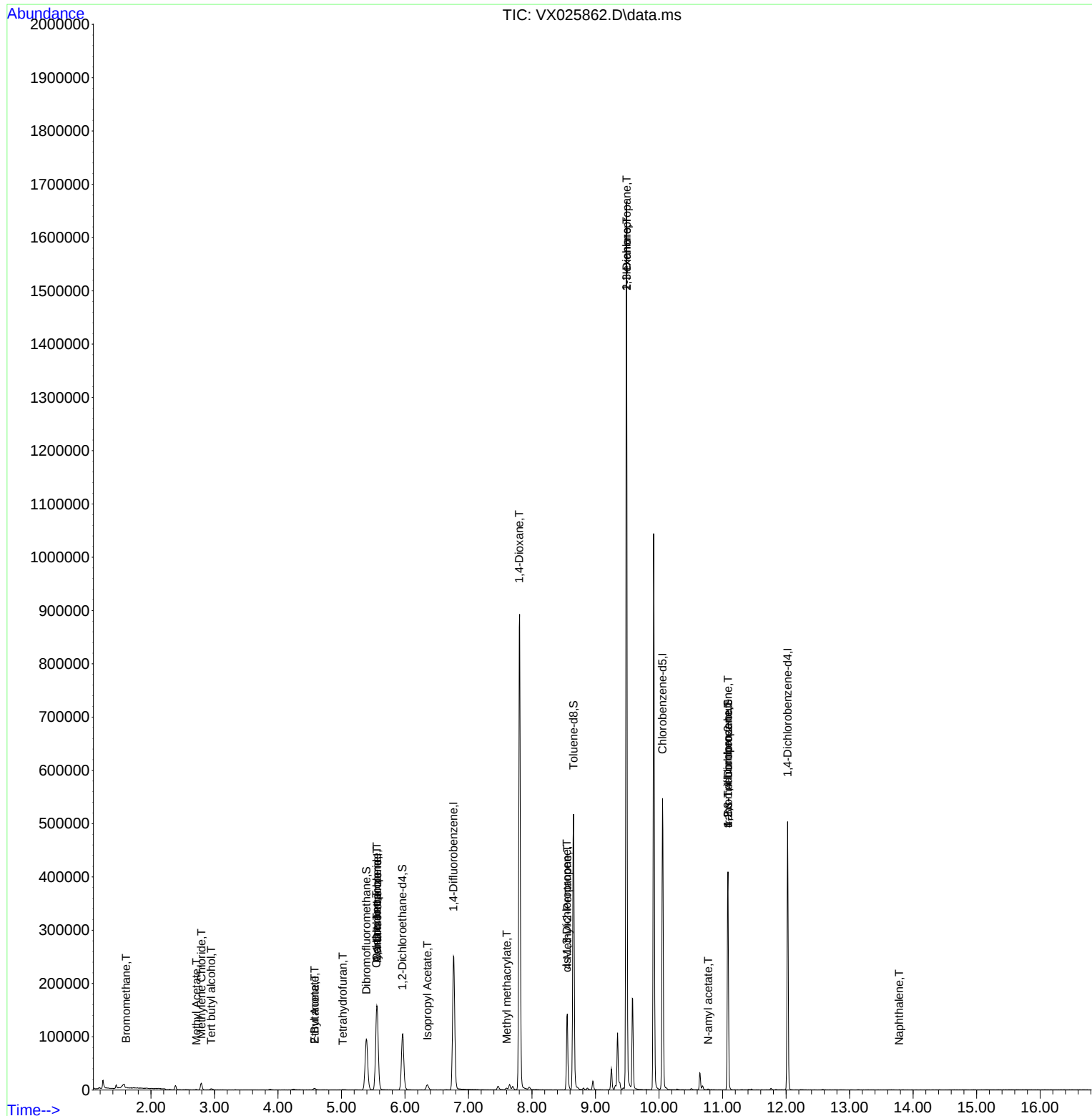
Quant Time: Dec 17 02:33:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

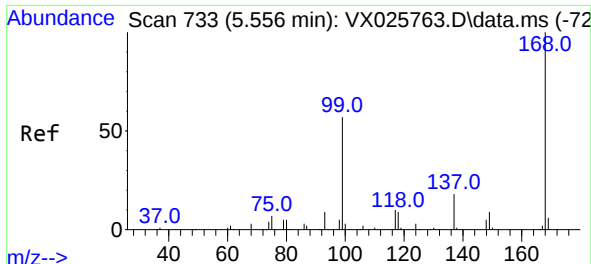
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	148528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	258677	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	100356	46.960	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.920%
35) Dibromofluoromethane	5.391	113	82206	45.568	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.140%
50) Toluene-d8	8.653	98	311887	47.449	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.900%
62) 4-Bromofluorobenzene	11.085	95	108024	43.264	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.520%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	523	0.398	ug/l #	77
11) Tert butyl alcohol	2.947	59	1835	4.281	ug/l #	73
16) Acetone	2.386	43	8324	Below Cal		95
18) Methyl Acetate	2.715	43	1023	0.314	ug/l #	72
20) Methylene Chloride	2.794	84	5813	0.800	ug/l	95
25) 2-Butanone	4.574	43	4786	3.330	ug/l #	66
29) Tetrahydrofuran	5.019	42	254	0.278	ug/l #	82
31) Cyclohexane	5.550	56	3402	1.309	ug/l #	43
36) 1,1-Dichloropropene	5.556	75	12264	5.013	ug/l #	50
37) Ethyl Acetate	4.574	43	4786	1.761	ug/l #	69
38) Carbon Tetrachloride	5.556	117	16049	5.638	ug/l #	15
43) Isopropyl Acetate	6.355	43	13325	3.043	ug/l	97
48) Methyl methacrylate	7.604	41	4562	2.212	ug/l #	12
49) 1,4-Dioxane	7.799	88	102	2.266	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	49518	17.274	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	22830	7.756	ug/l #	66
57) 1,3-Dichloropropane	9.488	76	14283	4.367	ug/l #	42
59) 2-Hexanone	9.488	43	195424	89.973	ug/l #	51
74) N-amyl acetate	10.774	43	781	0.270	ug/l #	44
76) 1,2,3-Trichloropropane	11.085	75	54922	24.201	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54922	75.028	ug/l #	10
95) Naphthalene	13.780	128	79	2.423	ug/l #	69

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

Instrument :
MSVOA_X
ClientSampleId :

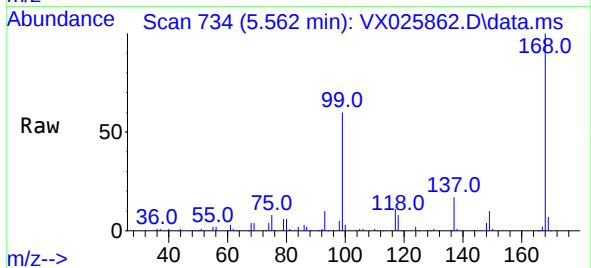
Instrument :
MSVOA_X
ClientSampleId :



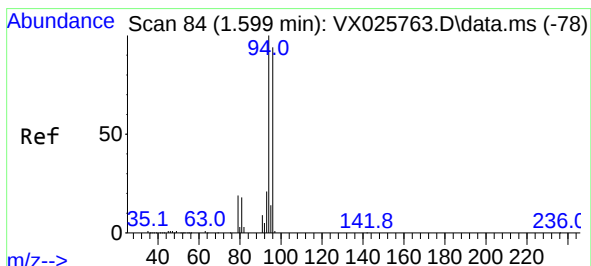
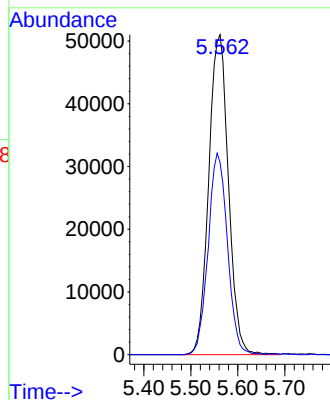


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

Instrument :
MSVOA_X
ClientSampleId :

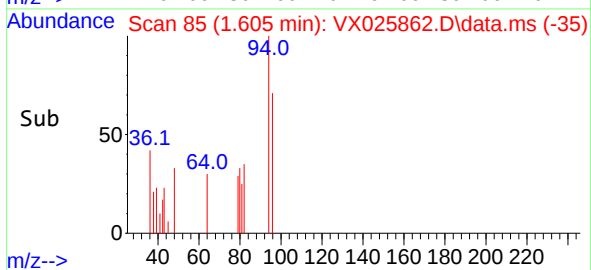
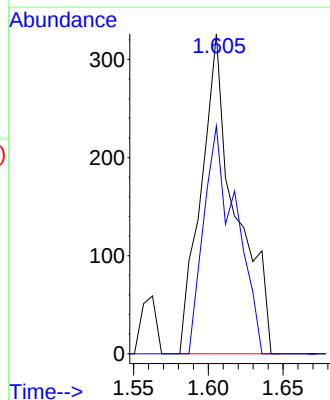
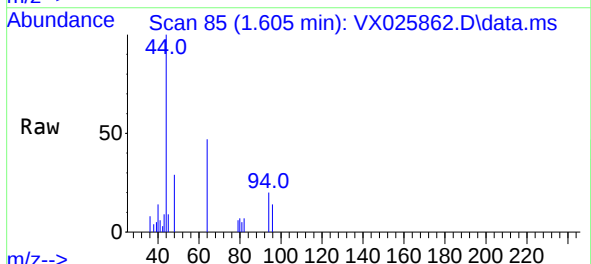


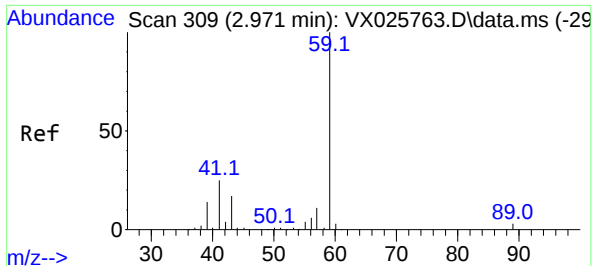
Tgt Ion:168 Resp: 148528
Ion Ratio Lower Upper
168 100
99 60.1 45.8 68.8



#5
Bromomethane
Concen: 0.398 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

Tgt Ion: 94 Resp: 523
Ion Ratio Lower Upper
94 100
96 71.2 75.0 112.4#





#11

Tert butyl alcohol

Concen: 4.281 ug/l

RT: 2.947 min Scan# 309

Delta R.T. -0.024 min

Lab File: VX025862.D

Acq: 16 Dec 2021 17:53

Instrument :

MSVOA_X

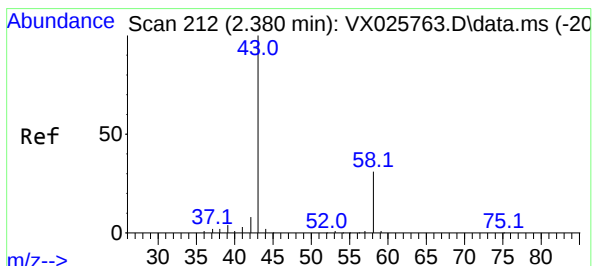
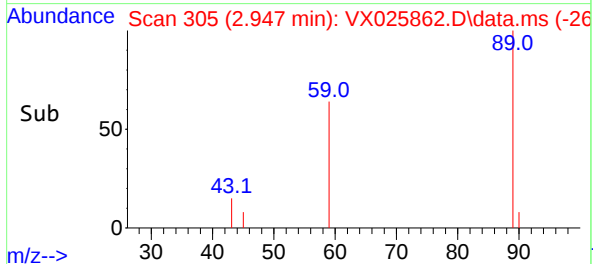
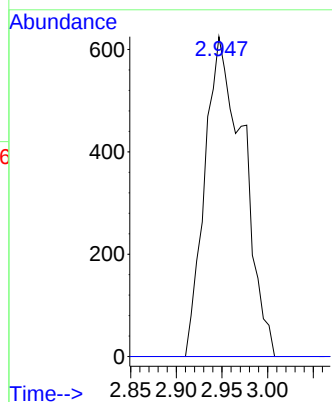
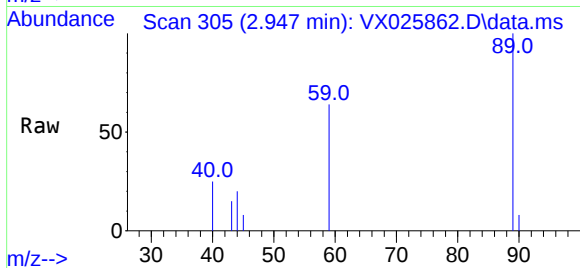
ClientSampleId :

Tgt Ion: 59 Resp: 1835

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX025862.D

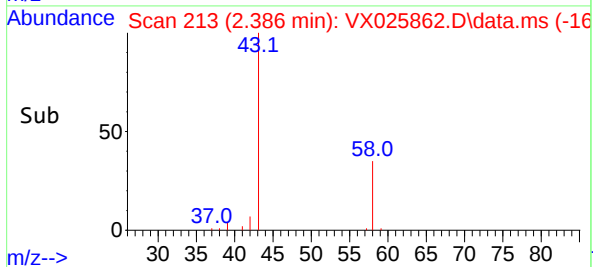
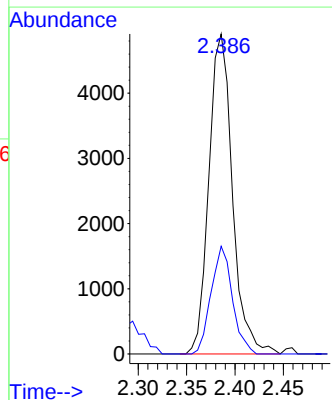
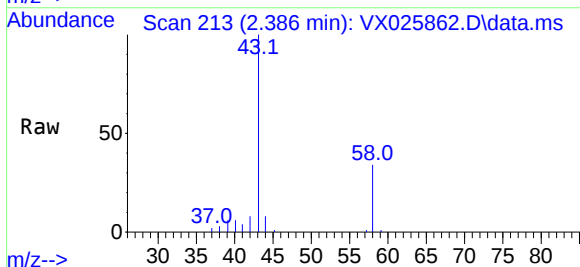
Acq: 16 Dec 2021 17:53

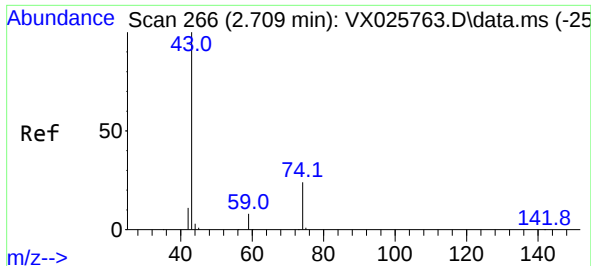
Tgt Ion: 43 Resp: 8324

Ion Ratio Lower Upper

43 100

58 33.7 24.8 37.2

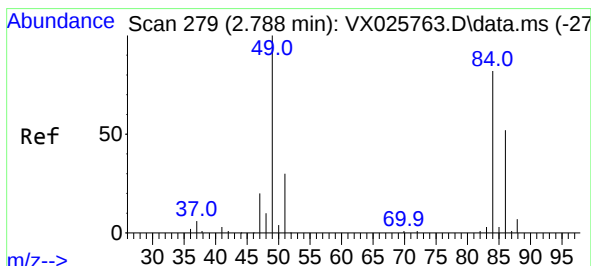
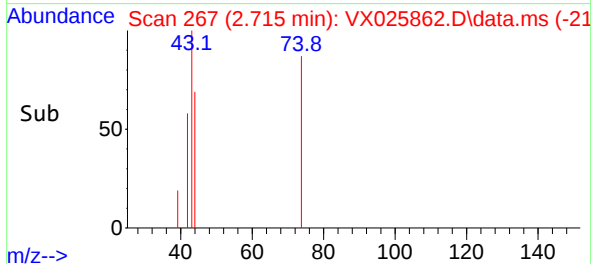
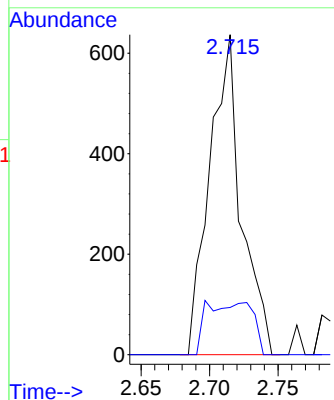
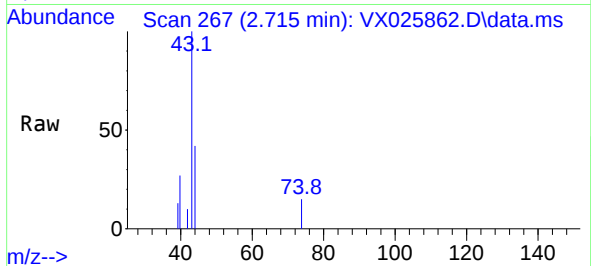




#18
Methyl Acetate
Concen: 0.314 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

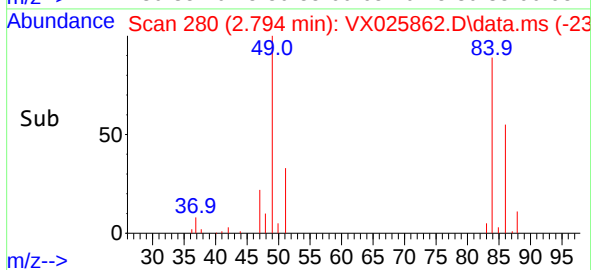
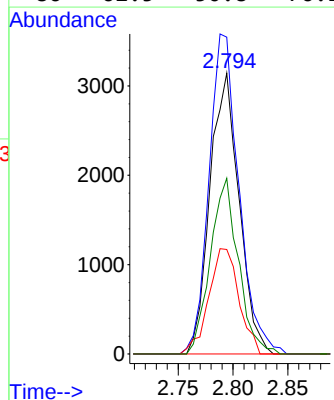
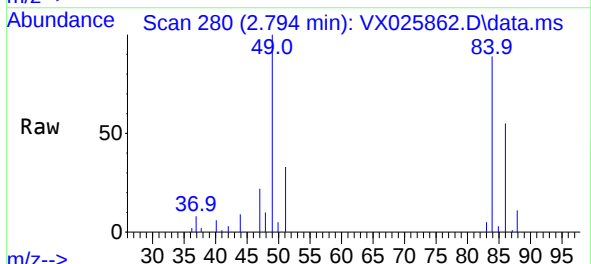
Instrument :
MSVOA_X
ClientSampleId :

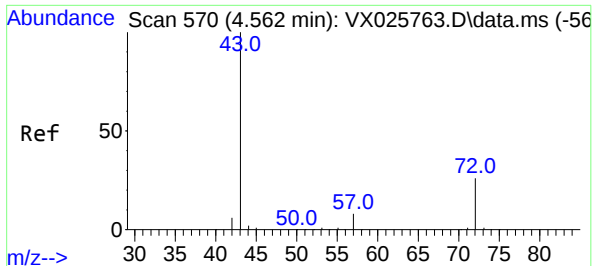
Tgt Ion: 43 Resp: 1023
Ion Ratio Lower Upper
43 100
74 10.3 19.1 28.7#



#20
Methylene Chloride
Concen: 0.800 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

Tgt Ion: 84 Resp: 5813
Ion Ratio Lower Upper
84 100
49 112.8 97.1 145.7
51 37.2 29.3 43.9
86 62.5 50.8 76.2





#25

2-Butanone

Concen: 3.330 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX025862.D

Acq: 16 Dec 2021 17:53

Instrument :

MSVOA_X

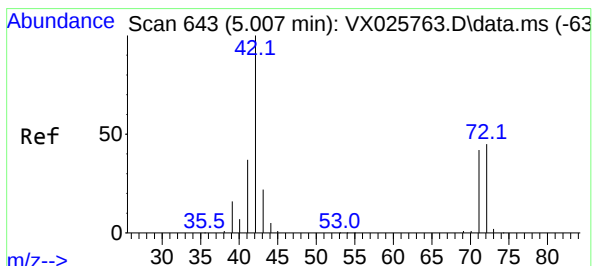
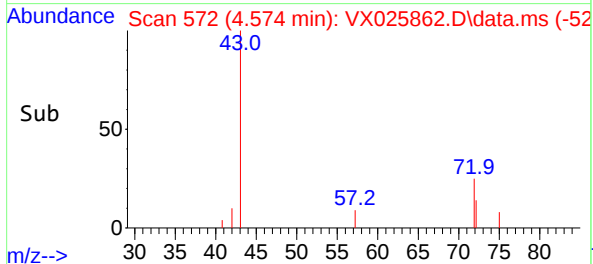
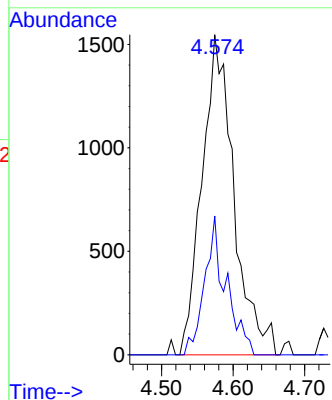
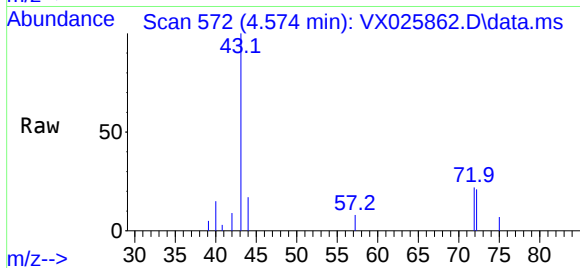
ClientSampleId :

Tgt Ion: 43 Resp: 4786

Ion Ratio Lower Upper

43 100

72 43.4 21.0 31.4#



#29

Tetrahydrofuran

Concen: 0.278 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.012 min

Lab File: VX025862.D

Acq: 16 Dec 2021 17:53

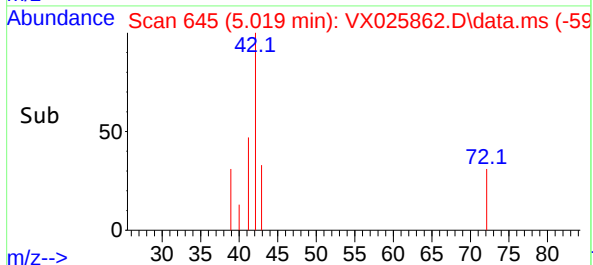
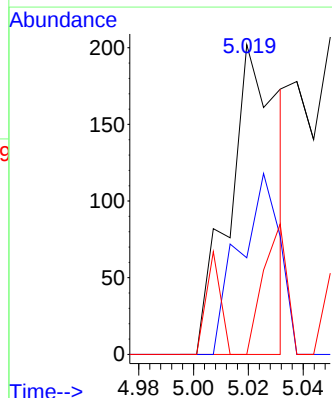
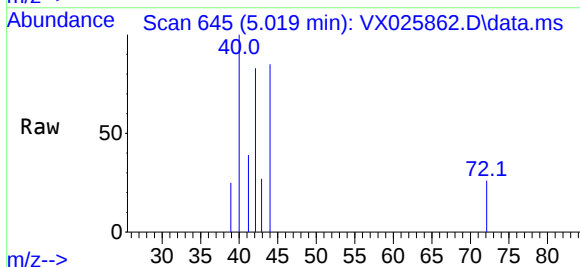
Tgt Ion: 42 Resp: 254

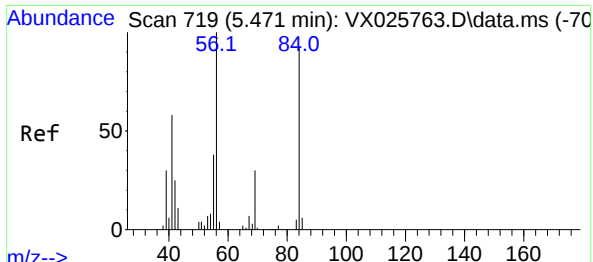
Ion Ratio Lower Upper

42 100

72 47.6 37.0 55.6

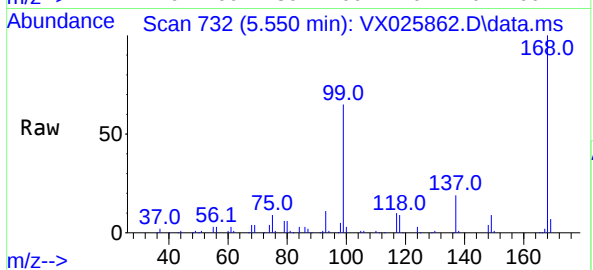
71 20.1 34.1 51.1#



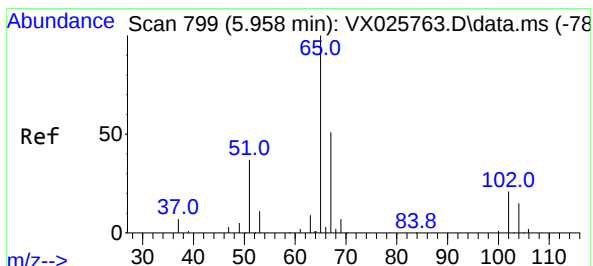
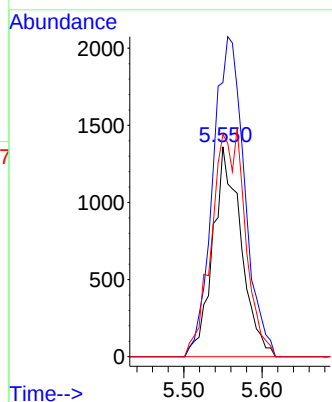
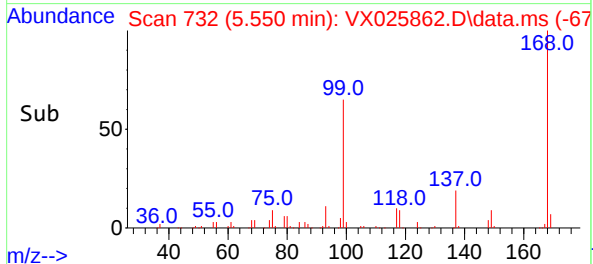


#31
Cyclohexane
Concen: 1.309 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

Instrument :
MSVOA_X
ClientSampleId :

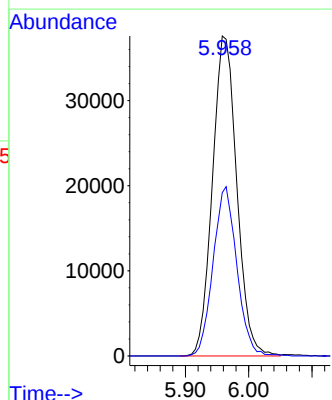
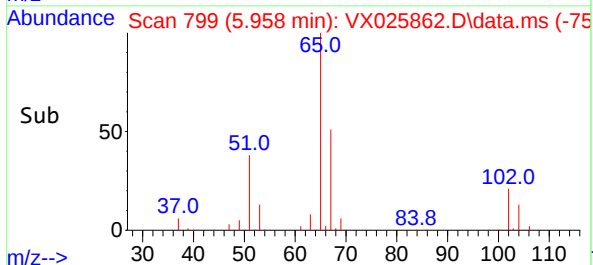
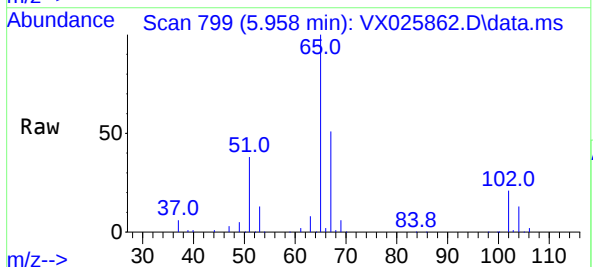


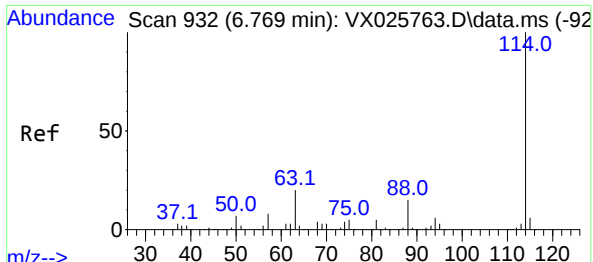
Tgt Ion: 56 Resp: 3402
Ion Ratio Lower Upper
56 100
69 130.6 23.9 35.9#
84 105.9 73.2 109.8



#33
1,2-Dichloroethane-d4
Concen: 46.960 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

Tgt Ion: 65 Resp: 100356
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX025862.D

Acq: 16 Dec 2021 17:53

Instrument :

MSVOA_X

ClientSampleId :

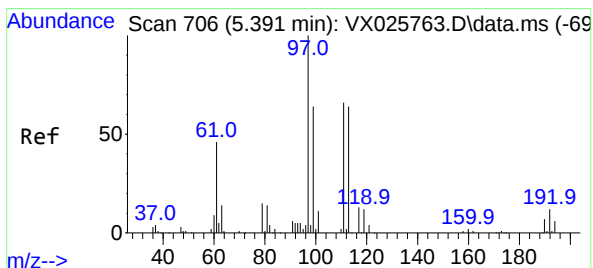
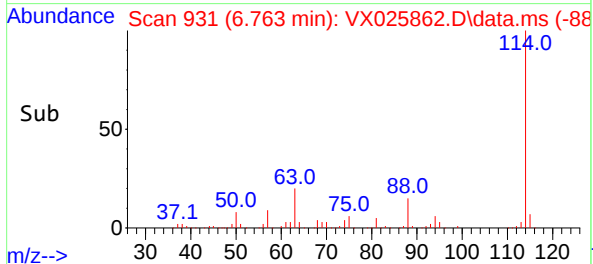
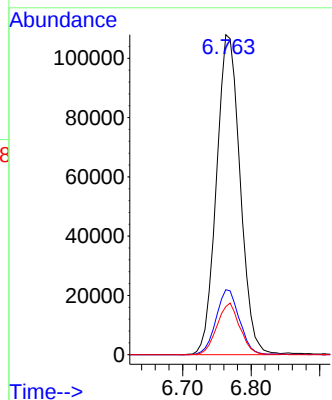
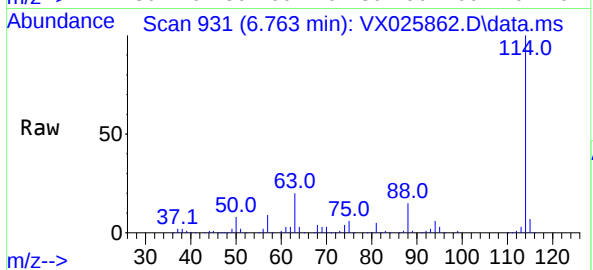
Tgt Ion:114 Resp: 258677

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.568 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX025862.D

Acq: 16 Dec 2021 17:53

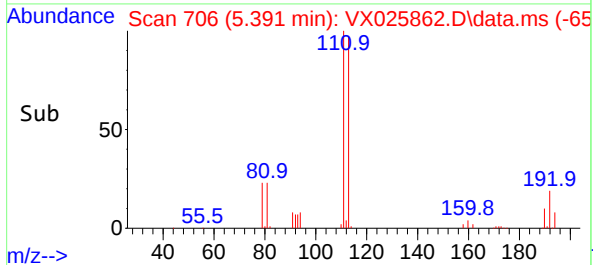
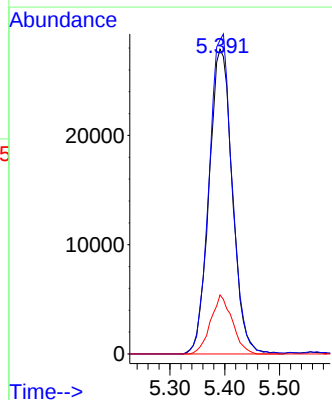
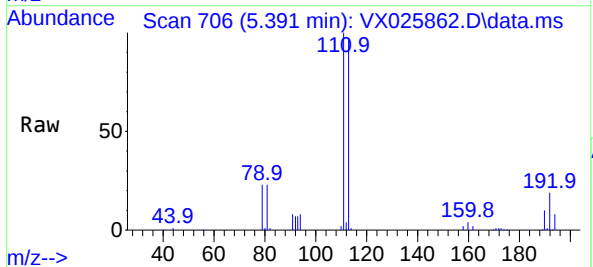
Tgt Ion:113 Resp: 82206

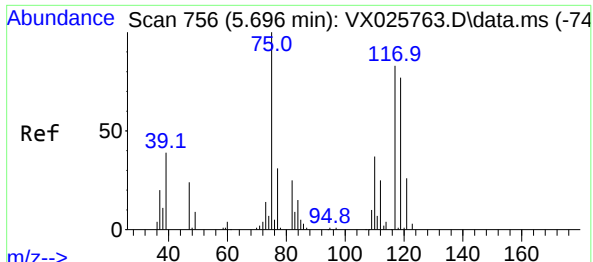
Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.8

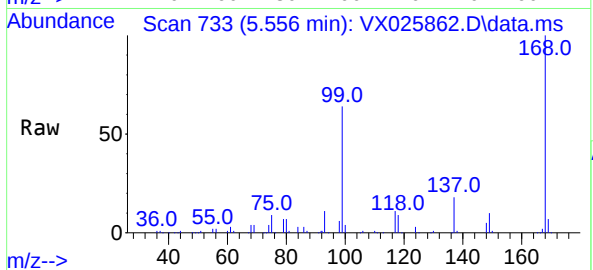
192 17.9 15.0 22.4



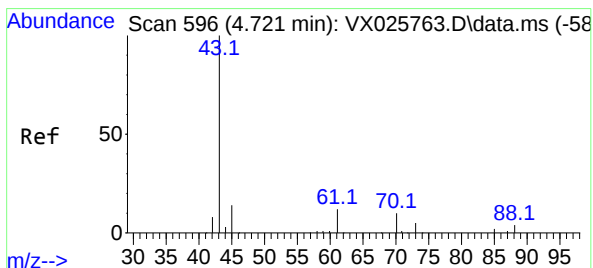
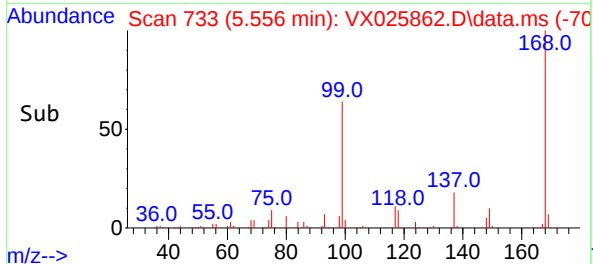
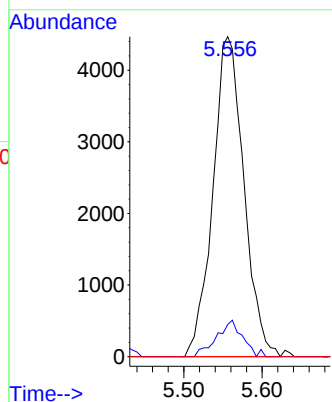


#36
1,1-Dichloropropene
Concen: 5.013 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

Instrument :
MSVOA_X
ClientSampleId :

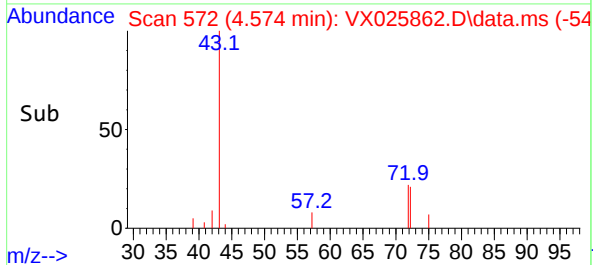
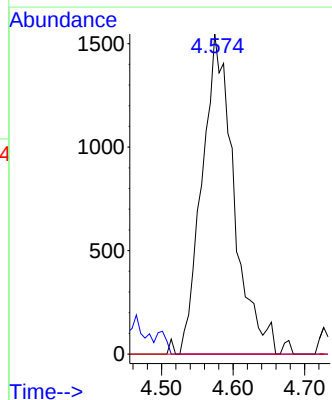
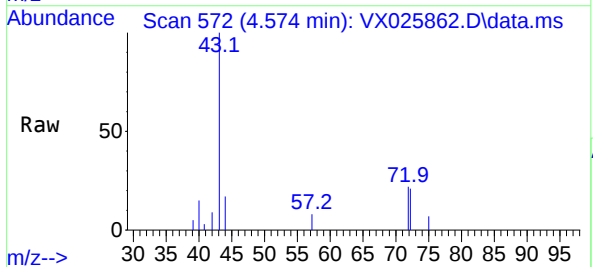


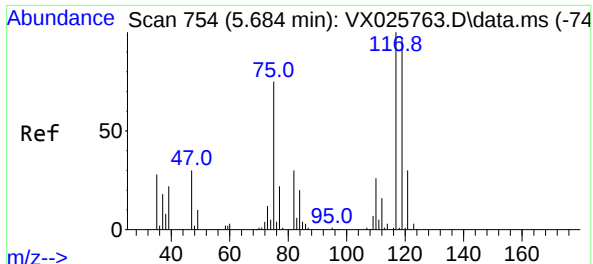
Tgt Ion: 75 Resp: 12264
Ion Ratio Lower Upper
75 100
110 9.6 18.2 54.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.761 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.146 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

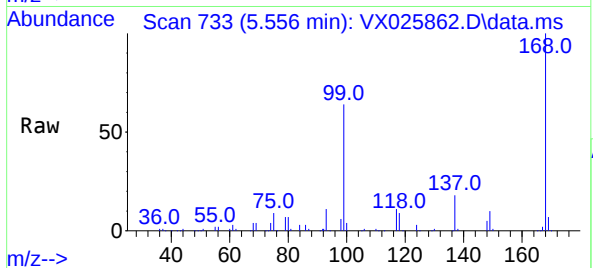
Tgt Ion: 43 Resp: 4786
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 8.5 12.7#



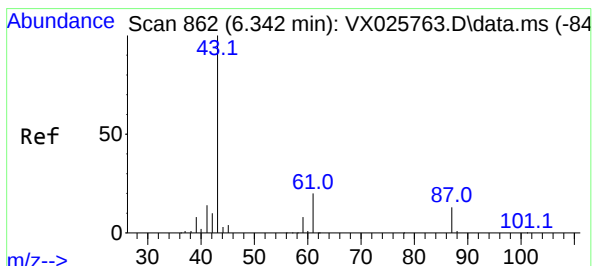
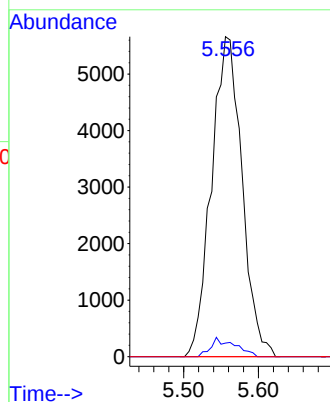
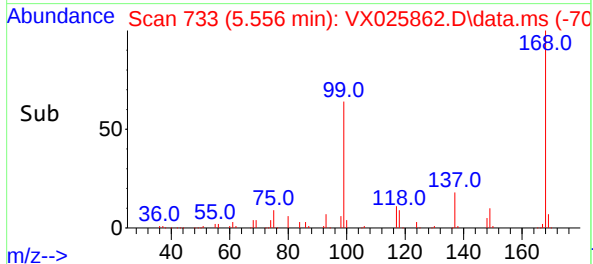


#38
Carbon Tetrachloride
Concen: 5.638 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

Instrument :
MSVOA_X
ClientSampleId :

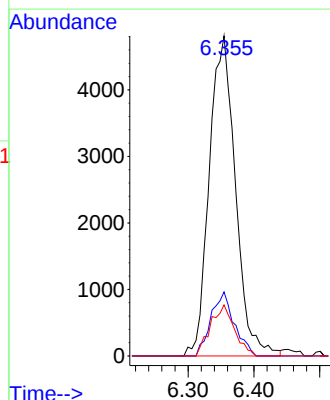
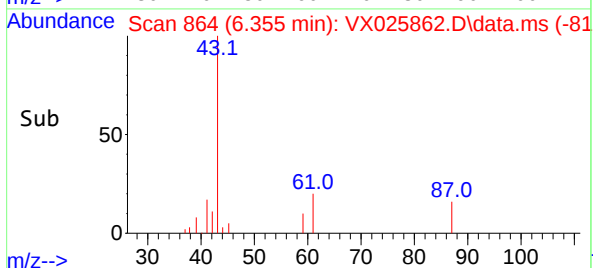
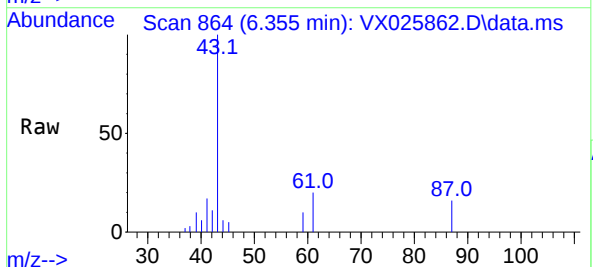


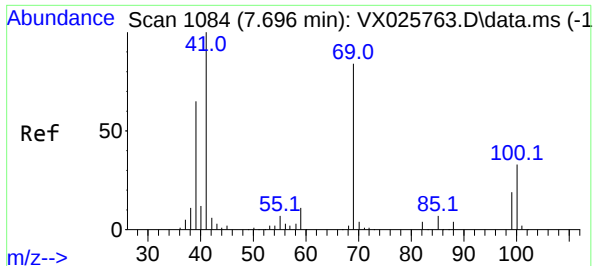
Tgt Ion:117 Resp: 16049
Ion Ratio Lower Upper
117 100
119 4.3 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.043 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

Tgt Ion: 43 Resp: 13325
Ion Ratio Lower Upper
43 100
61 17.8 15.7 23.5
87 14.6 11.2 16.8





#48

Methyl methacrylate

Concen: 2.212 ug/l

RT: 7.604 min Scan# 1100

Delta R.T. -0.092 min

Lab File: VX025862.D

Acq: 16 Dec 2021 17:53

Instrument :

MSVOA_X

ClientSampleId :

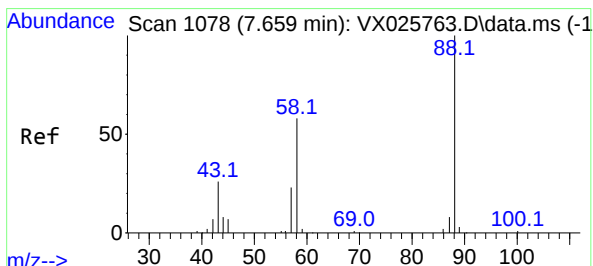
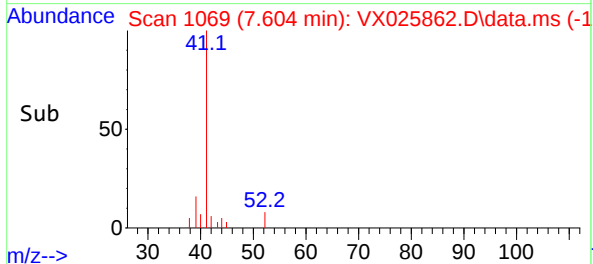
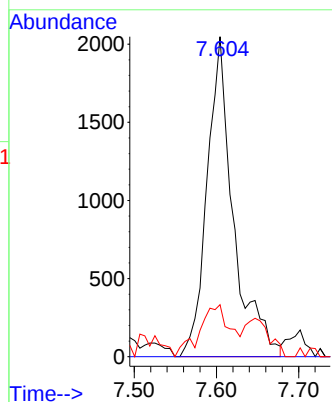
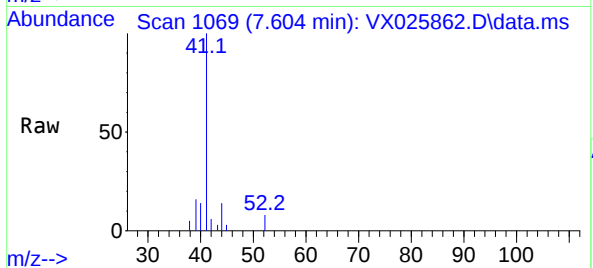
Tgt Ion: 41 Resp: 4562

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

39 0.0 50.2 75.2#



#49

1,4-Dioxane

Concen: 2.266 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX025862.D

Acq: 16 Dec 2021 17:53

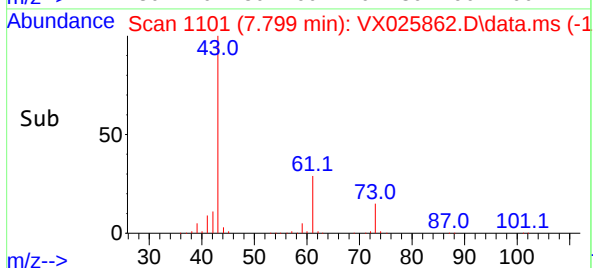
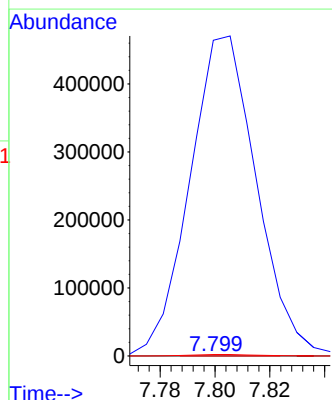
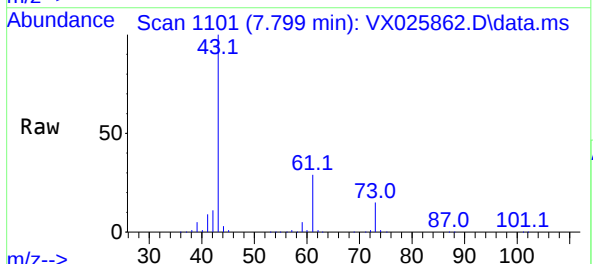
Tgt Ion: 88 Resp: 102

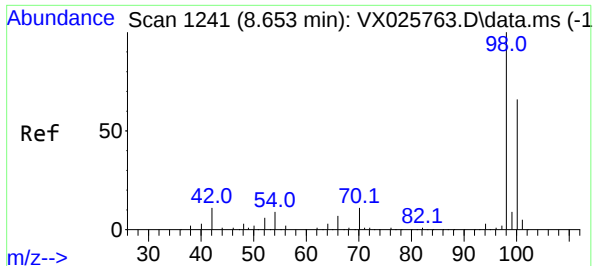
Ion Ratio Lower Upper

88 100

43 793447.1 25.3 37.9#

58 3516.7 51.8 77.6#

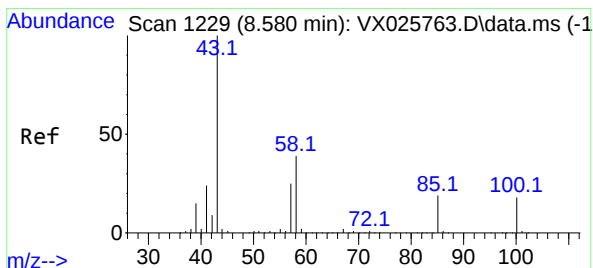
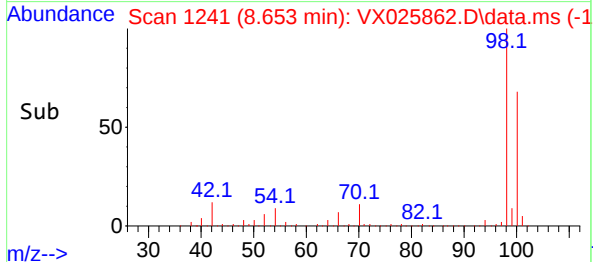
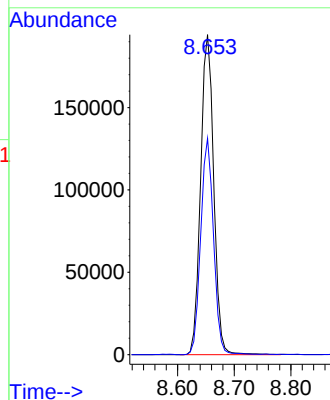
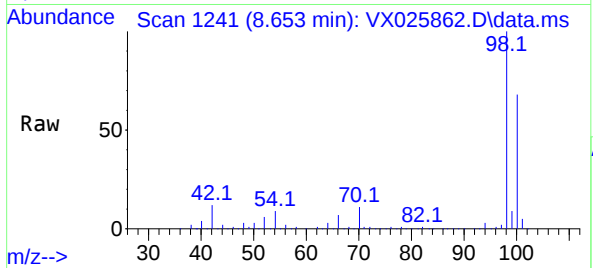




#50
Toluene-d8
Concen: 47.449 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

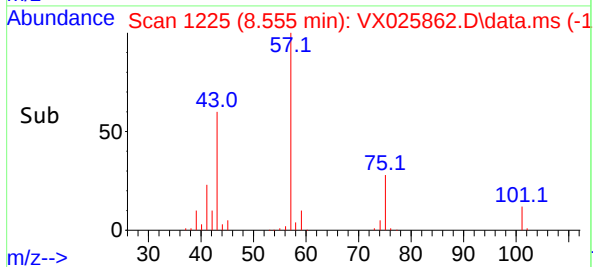
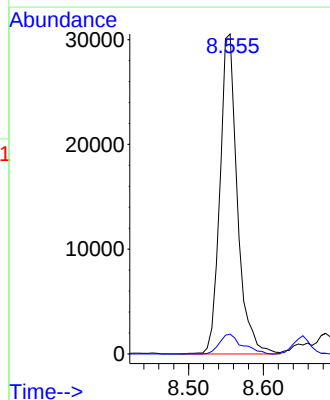
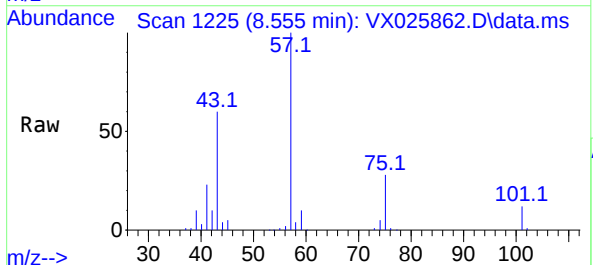
Instrument :
MSVOA_X
ClientSampleId :

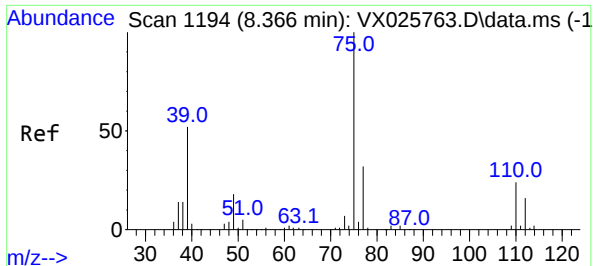
Tgt Ion: 98 Resp: 311887
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 17.274 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.024 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

Tgt Ion: 43 Resp: 49518
Ion Ratio Lower Upper
43 100
58 8.1 30.8 46.2#

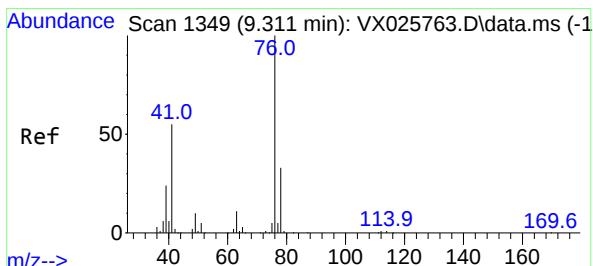
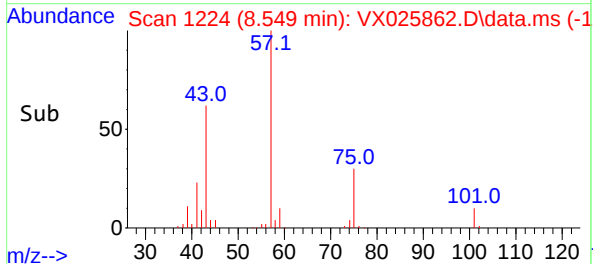
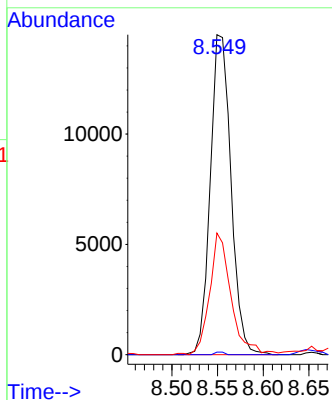
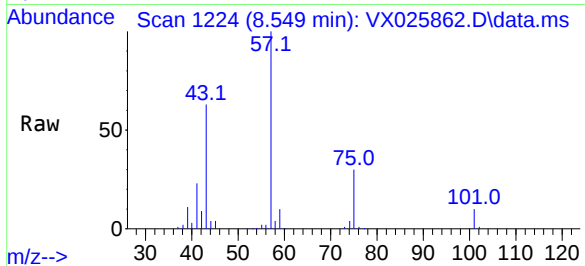




#54
 cis-1,3-Dichloropropene
 Concen: 7.756 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX025862.D
 Acq: 16 Dec 2021 17:53

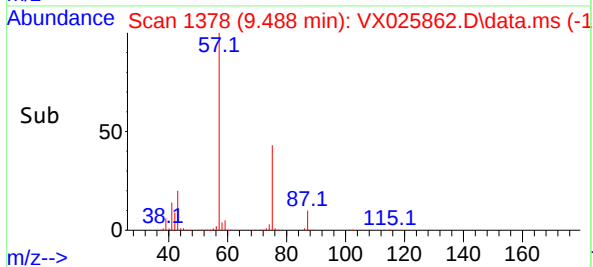
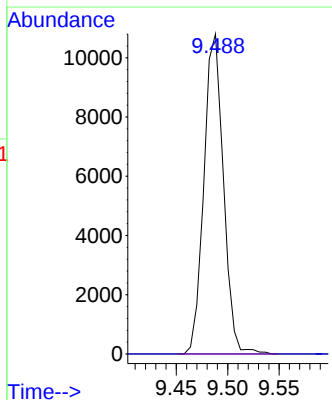
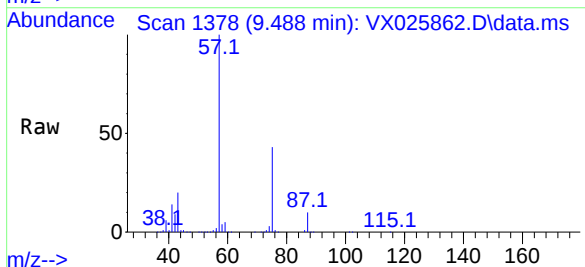
Instrument :
 MSVOA_X
 ClientSampleId :

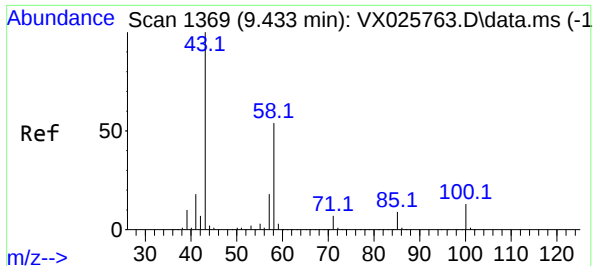
Tgt Ion: 75 Resp: 22830
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.3 37.9#
 39 37.6 41.4 62.0#



#57
 1,3-Dichloropropane
 Concen: 4.367 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX025862.D
 Acq: 16 Dec 2021 17:53

Tgt Ion: 76 Resp: 14283
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 89.973 ug/l

RT: 9.488 min Scan# 1

Delta R.T. 0.055 min

Lab File: VX025862.D

Acq: 16 Dec 2021 17:53

Instrument :

MSVOA_X

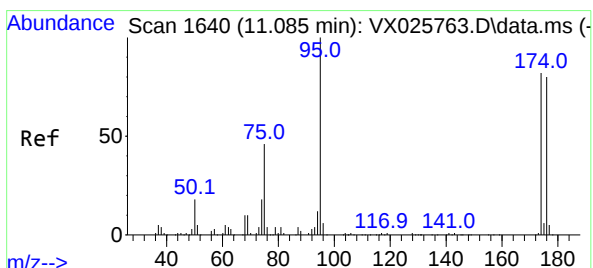
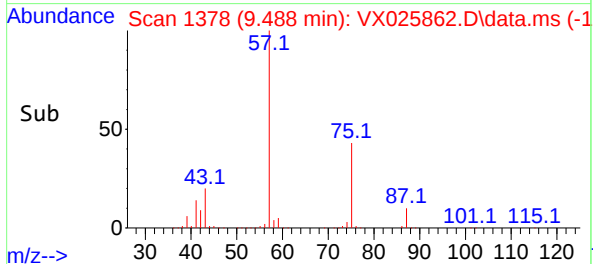
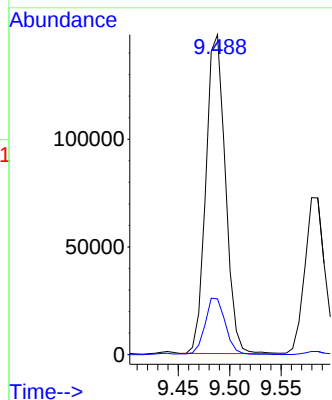
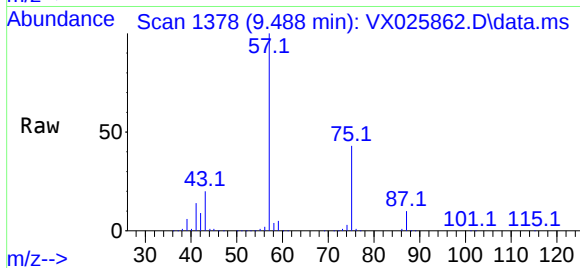
ClientSampleId :

Tgt Ion: 43 Resp: 195424

Ion Ratio Lower Upper

43 100

58 18.7 26.9 80.6#



#62

4-Bromofluorobenzene

Concen: 43.264 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX025862.D

Acq: 16 Dec 2021 17:53

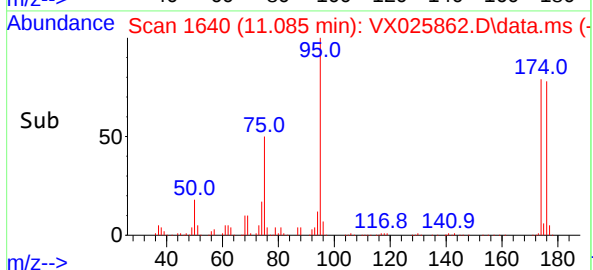
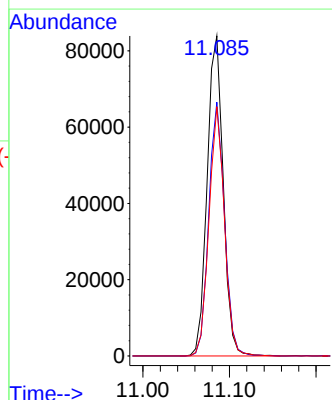
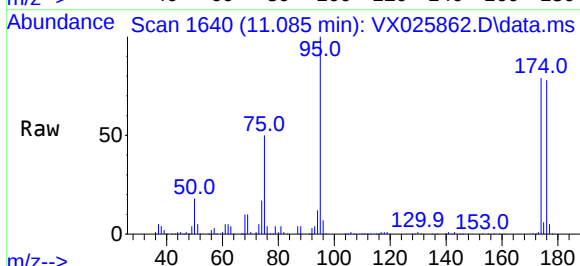
Tgt Ion: 95 Resp: 108024

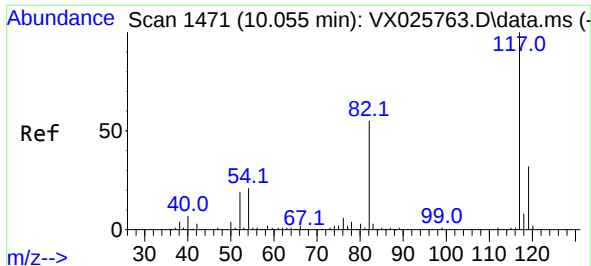
Ion Ratio Lower Upper

95 100

174 77.8 0.0 157.4

176 75.2 0.0 154.6

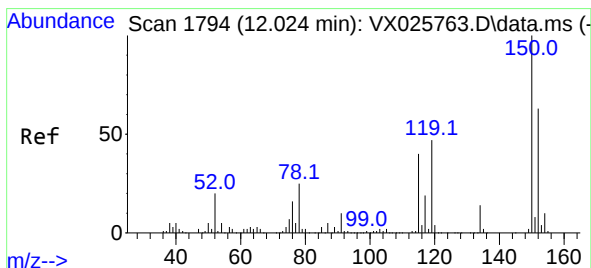
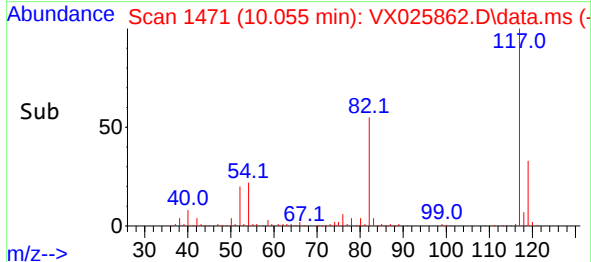
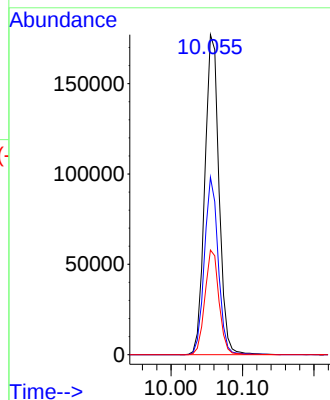
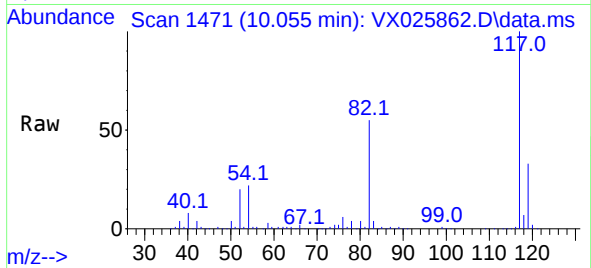




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

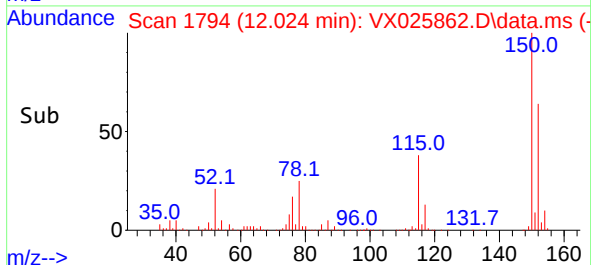
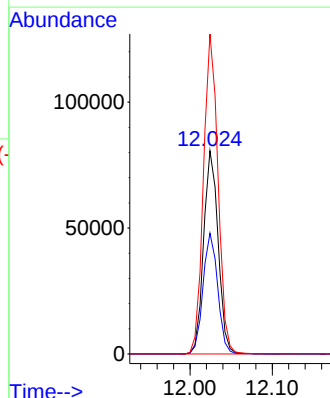
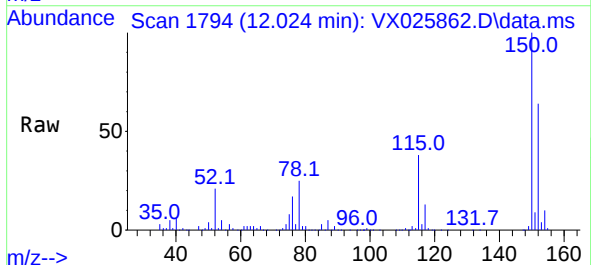
Instrument :
MSVOA_X
ClientSampleId :

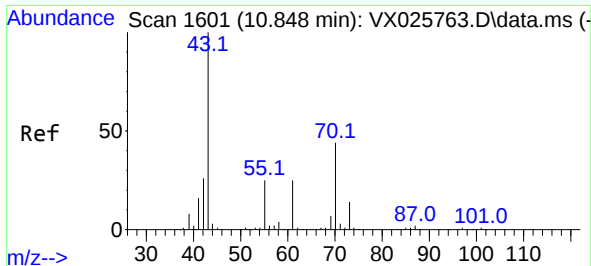
Tgt Ion:117 Resp: 244579
Ion Ratio Lower Upper
117 100
82 55.5 43.8 65.6
119 32.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

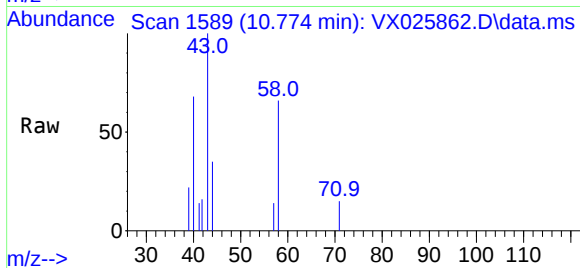
Tgt Ion:152 Resp: 99052
Ion Ratio Lower Upper
152 100
115 60.1 41.3 123.9
150 157.6 0.0 351.8



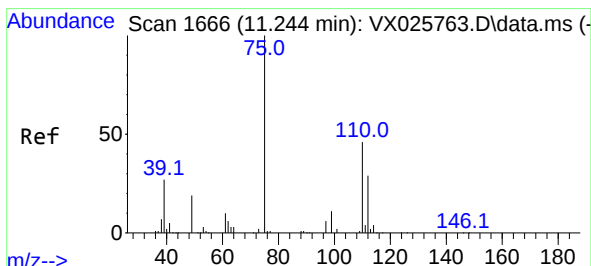
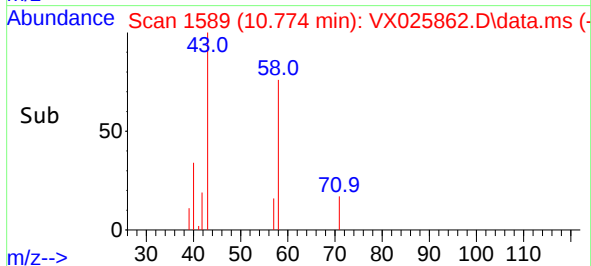
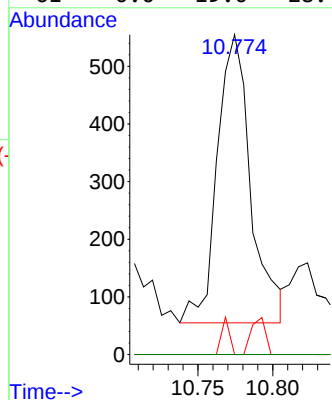


#74
N-amy1 acetate
Concen: 0.270 ug/l
RT: 10.774 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

Instrument :
MSVOA_X
ClientSampleId :

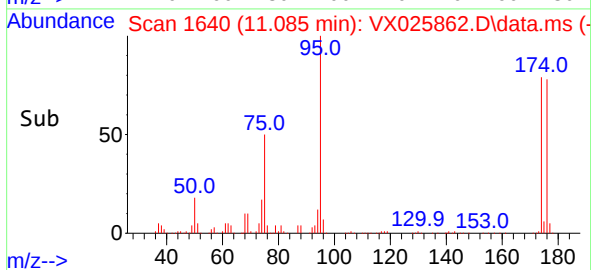
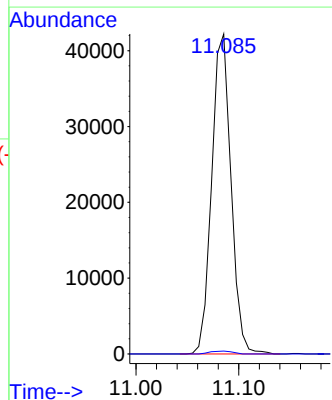
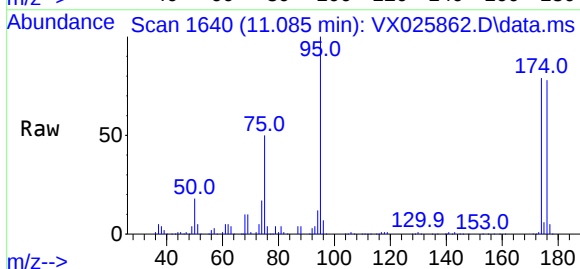


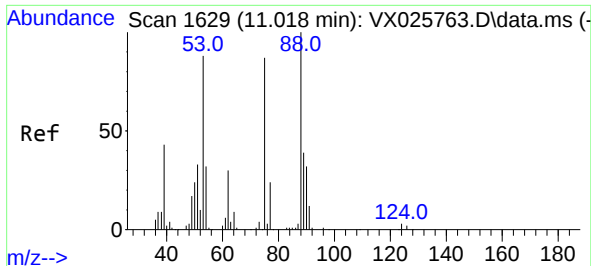
Tgt Ion: 43	Resp: 781
Ion Ratio	Lower Upper
43 100	
70 0.0	34.1 51.1#
55 3.1	19.2 28.8#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 24.201 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

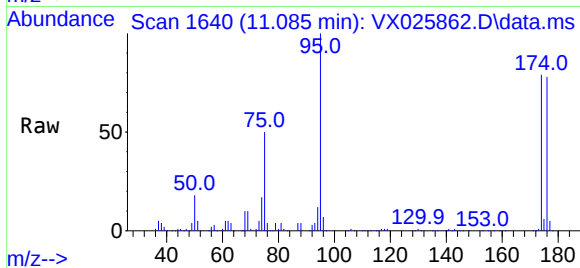
Tgt Ion: 75	Resp: 54922		
Ion Ratio	Lower	Upper	
75 100			
77 1.1	19.0	57.0#	



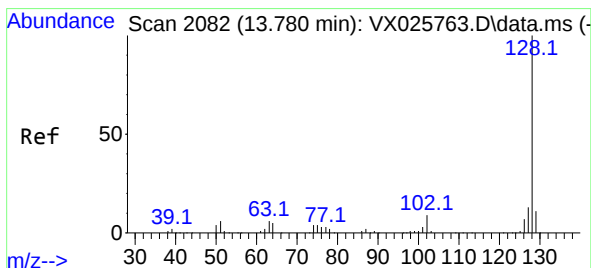
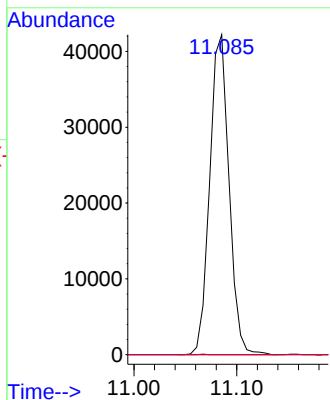
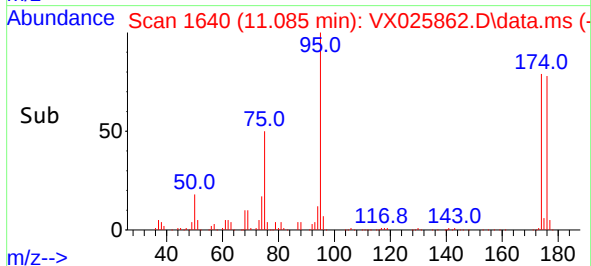


#81
trans-1,4-Dichloro-2-butene
Concen: 75.028 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53

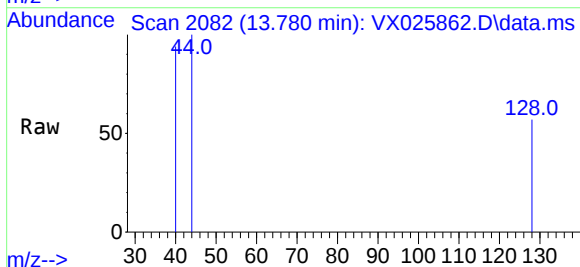
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 54922
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.1 38.3 57.5#



#95
Naphthalene
Concen: 2.423 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025862.D
Acq: 16 Dec 2021 17:53



Tgt Ion: 128 Resp: 79
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

