

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031853.D
 Acq On : 03 Oct 2022 22:54
 Operator : JC/MD
 Sample : PB148021ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 04 08:02:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:59:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

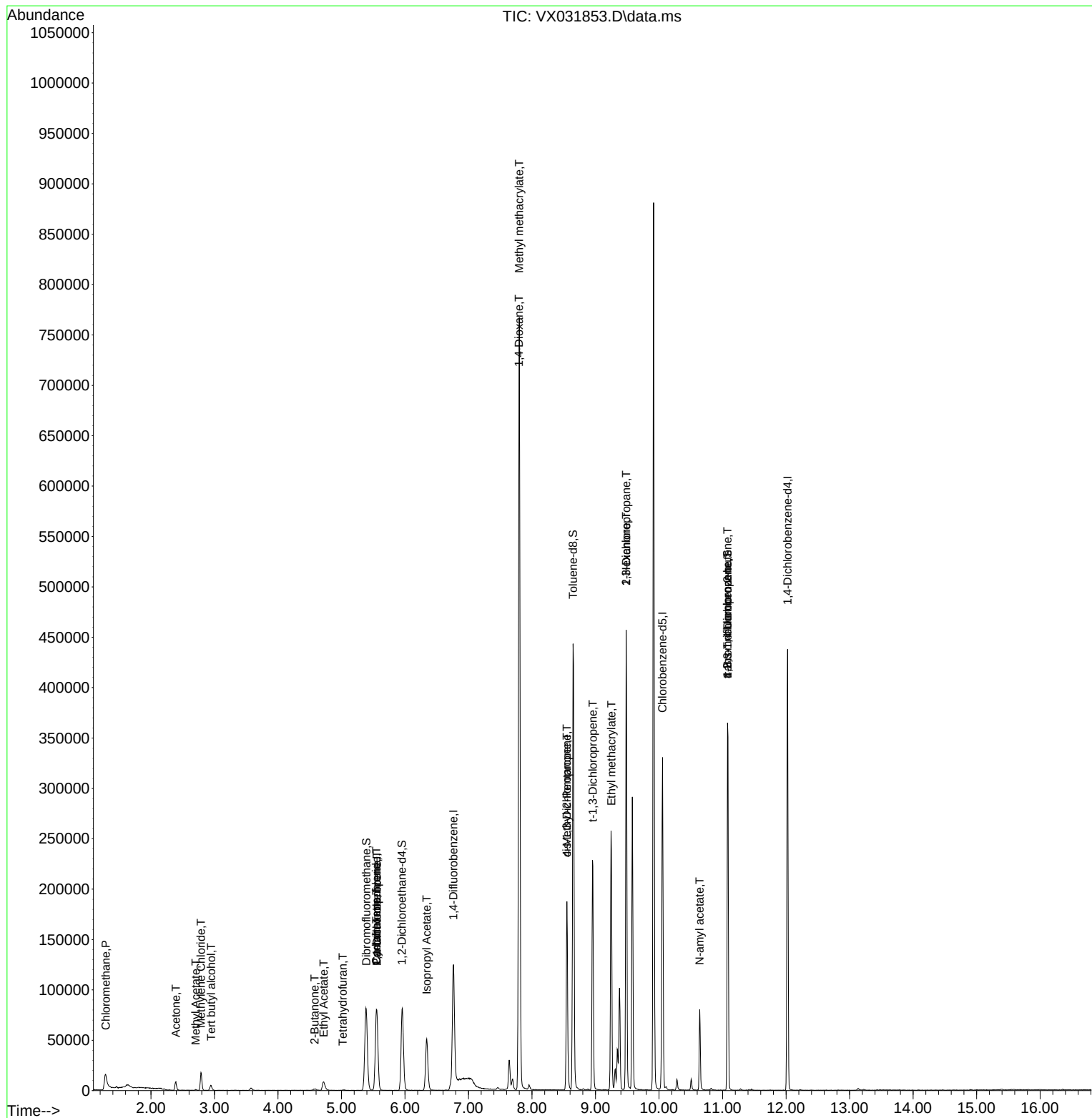
Internal Standards						
1) Pentafluorobenzene	5.556	168	82094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128439	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77903	52.968	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.940%	
35) Dibromofluoromethane	5.391	113	71386	46.780	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 93.560%	
50) Toluene-d8	8.646	98	276562	50.662	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.320%	
62) 4-Bromofluorobenzene	11.079	95	95376	48.517	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	824	0.741	ug/l #	41
5) Bromomethane	1.611	94	430	Below Cal		98
6) Chloroethane	1.733	64	298	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	2957	14.441	ug/l #	73
16) Acetone	2.392	43	9880	12.485	ug/l #	84
17) Carbon Disulfide	2.513	76	222	Below Cal	#	75
18) Methyl Acetate	2.702	43	1088	0.791	ug/l	99
20) Methylene Chloride	2.788	84	8303	6.453	ug/l #	83
25) 2-Butanone	4.574	43	1386	2.054	ug/l	91
29) Tetrahydrofuran	5.019	42	203	0.487	ug/l #	51
31) Cyclohexane	5.549	56	1491	0.851	ug/l #	34
36) 1,1-Dichloropropene	5.556	75	5891	3.113	ug/l #	50
37) Ethyl Acetate	4.720	43	14688	10.255	ug/l #	94
38) Carbon Tetrachloride	5.549	117	8476	3.608	ug/l #	16
43) Isopropyl Acetate	6.342	43	67149	28.996	ug/l #	91
48) Methyl methacrylate	7.799	41	59985	57.883	ug/l #	45
49) 1,4-Dioxane	7.793	88	91	2.709	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	56725	39.021	ug/l #	52
53) t-1,3-Dichloropropene	8.957	75	649	0.319	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	32760	14.677	ug/l #	54
56) Ethyl methacrylate	9.250	69	623	0.353	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4310	1.817	ug/l #	43
59) 2-Hexanone	9.482	43	44734	42.329	ug/l #	56
74) N-amyl acetate	10.640	43	16822	10.470	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	45452	25.724	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	45452	88.307	ug/l #	11

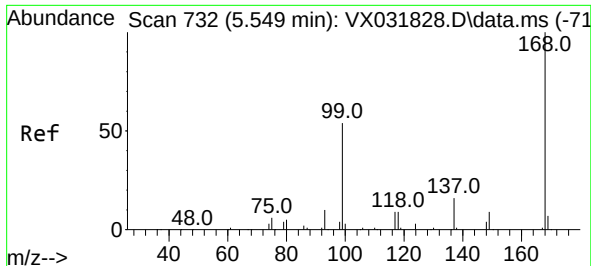
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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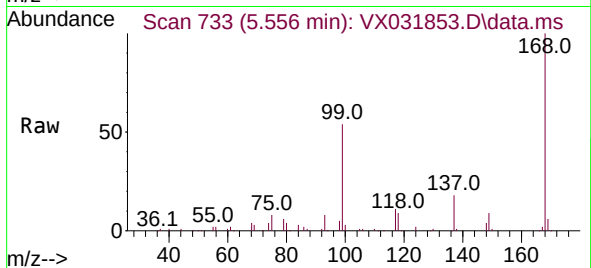
Quant Time: Oct 04 08:02:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 04 06:59:30 2022
Response via : Initial Calibration



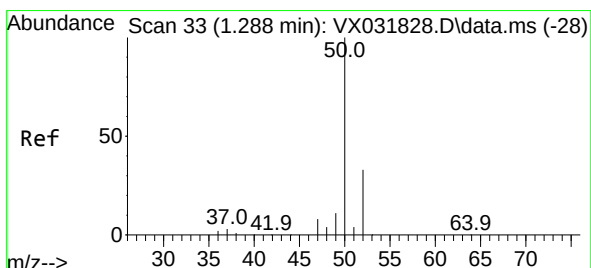
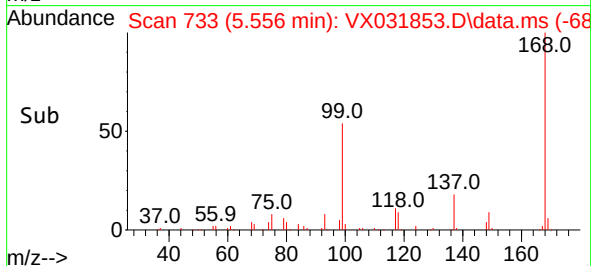
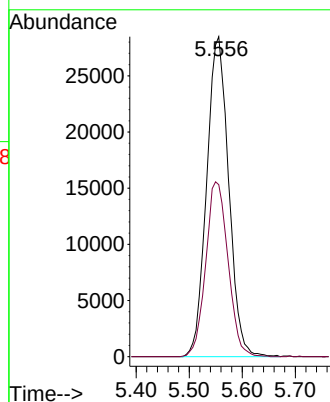


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54

Instrument :
MSVOA_X
ClientSampleId :

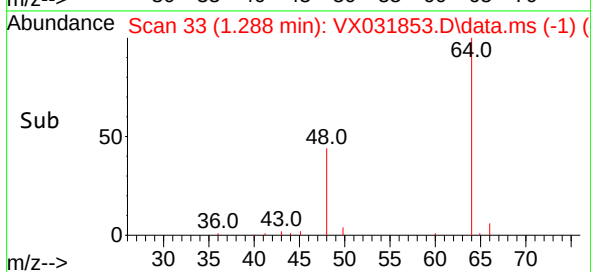
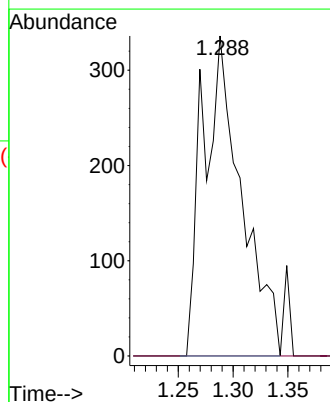
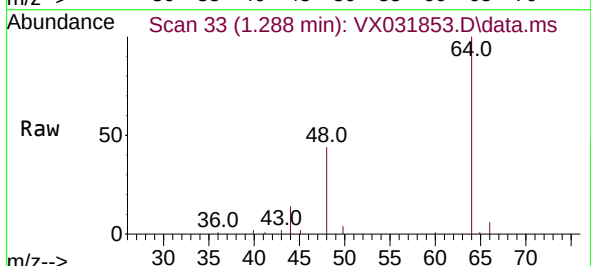


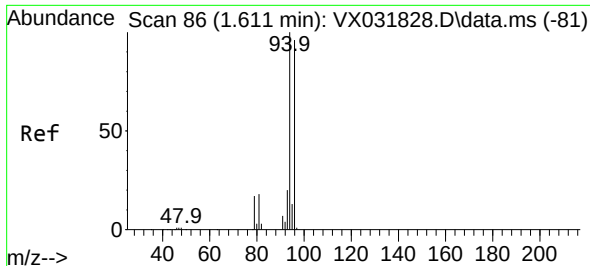
Tgt Ion:168 Resp: 82094
Ion Ratio Lower Upper
168 100
99 53.7 48.8 73.2



#3
Chloromethane
Concen: 0.741 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54

Tgt Ion: 50 Resp: 824
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

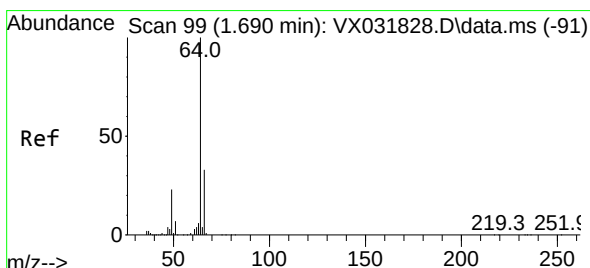
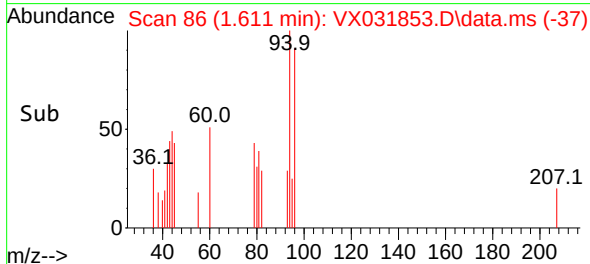
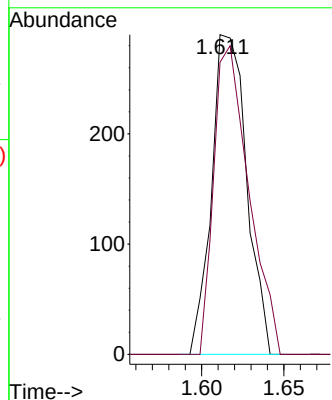
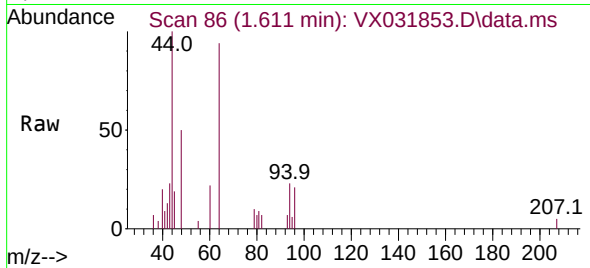




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54

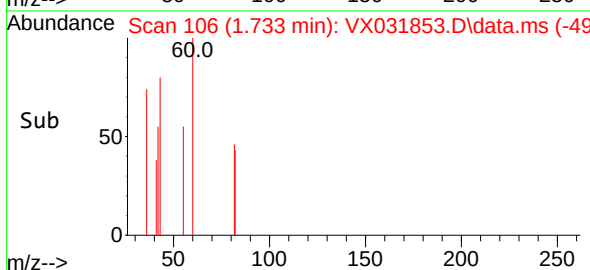
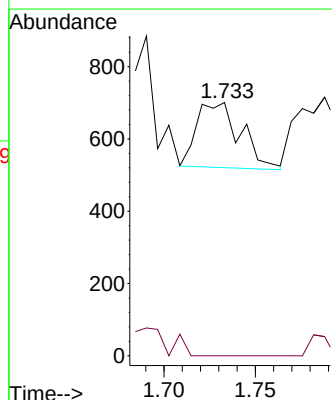
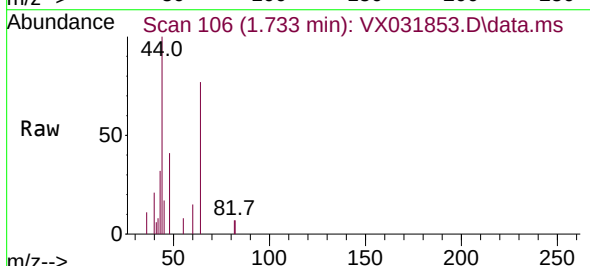
Instrument :
MSVOA_X
ClientSampleId :

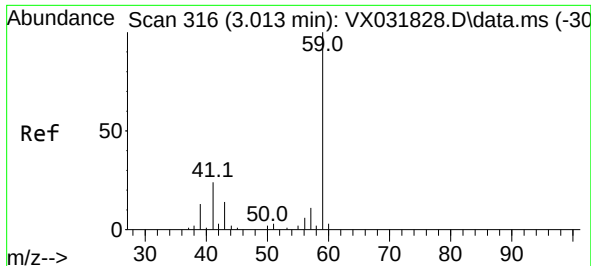
Tgt Ion: 94 Resp: 430
Ion Ratio Lower Upper
94 100
96 91.4 74.4 111.6



#6
Chloroethane
Concen: Below Cal
RT: 1.733 min Scan# 106
Delta R.T. 0.048 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54

Tgt Ion: 64 Resp: 298
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#





#11

Tert butyl alcohol

Concen: 14.441 ug/l

RT: 2.946 min Scan# 30

Delta R.T. -0.135 min

Lab File: VX031853.D

Acq: 03 Oct 2022 22:54

Instrument :

MSVOA_X

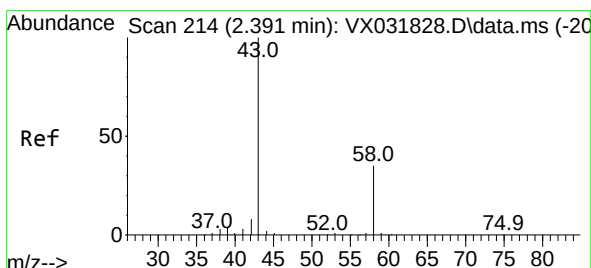
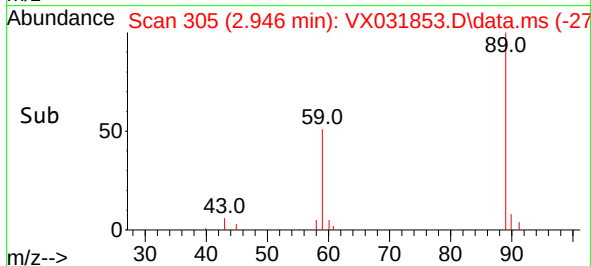
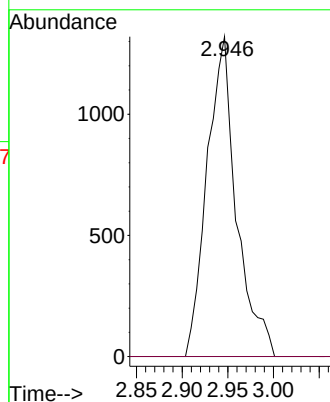
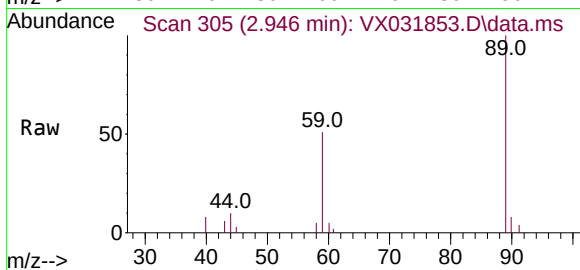
ClientSampleId :

Tgt Ion: 59 Resp: 2957

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 12.485 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX031853.D

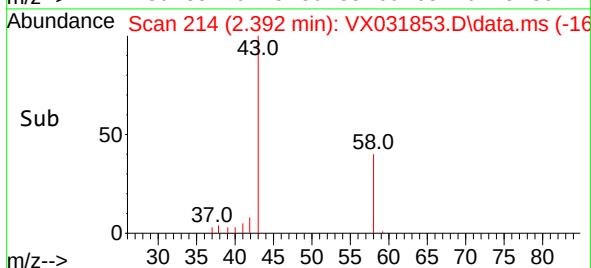
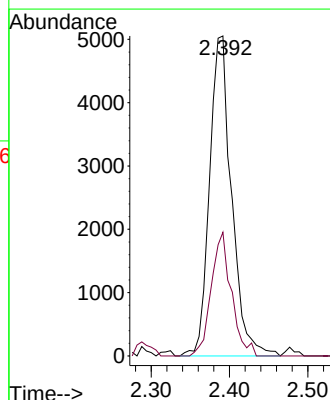
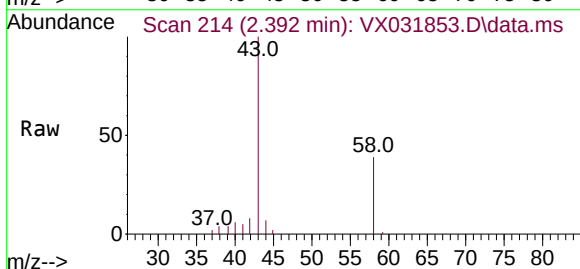
Acq: 03 Oct 2022 22:54

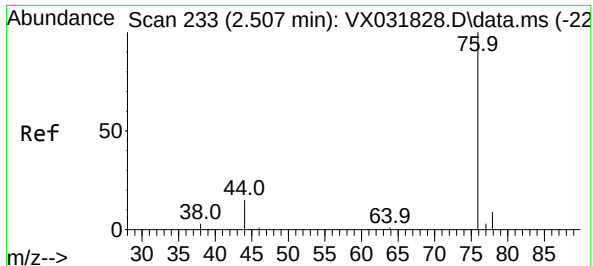
Tgt Ion: 43 Resp: 9880

Ion Ratio Lower Upper

43 100

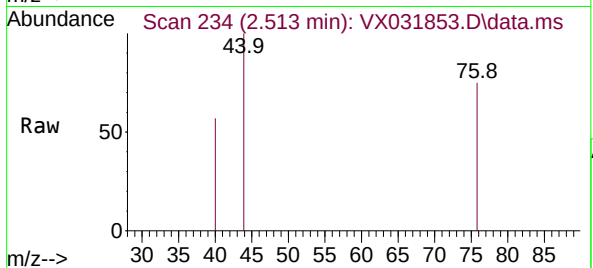
58 38.6 23.8 35.8#



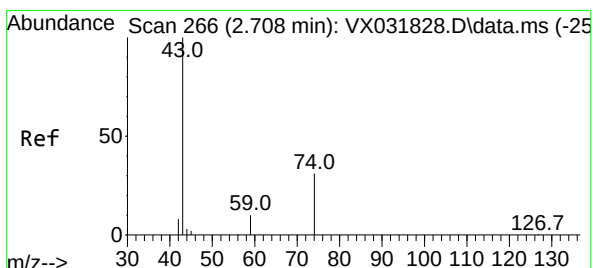
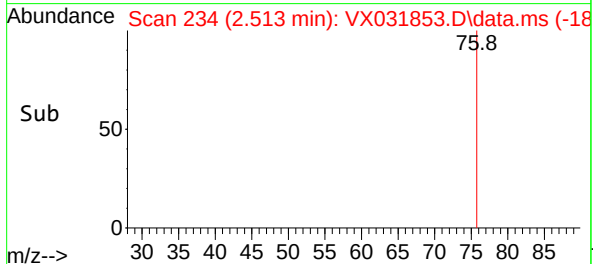
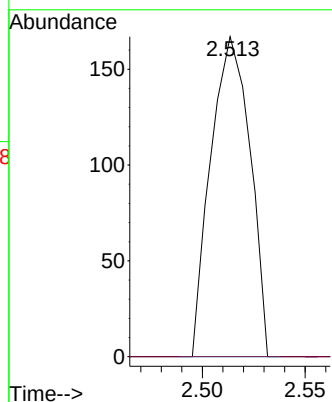


#17
Carbon Disulfide
Concen: Below Cal
RT: 2.513 min Scan# 21
Delta R.T. 0.005 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54

Instrument :
MSVOA_X
ClientSampleId :

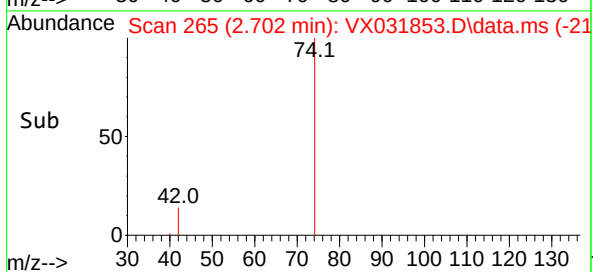
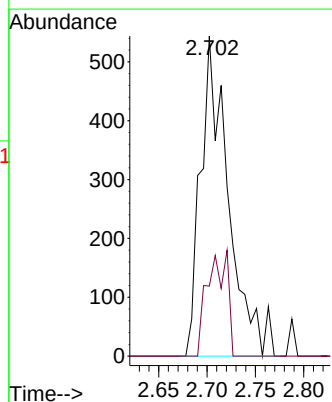
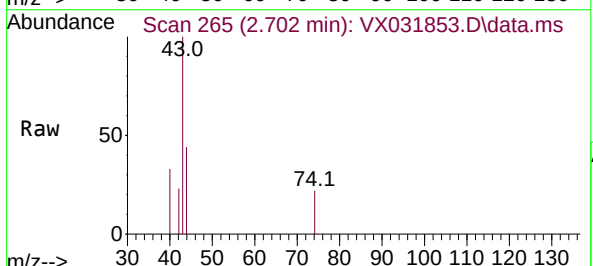


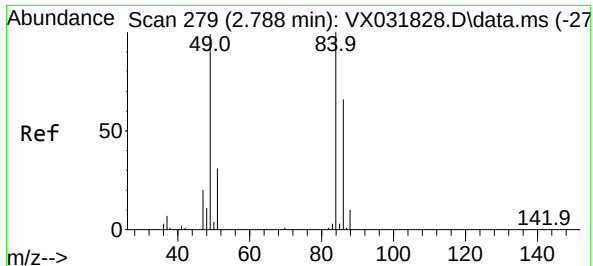
Tgt Ion: 76 Resp: 222
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.791 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.007 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54

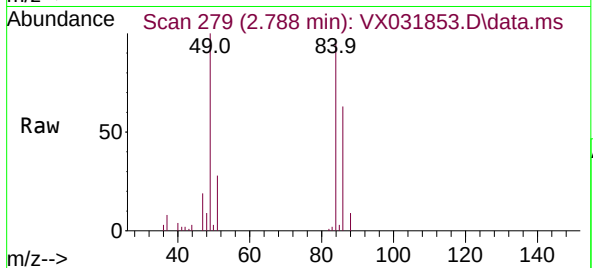
Tgt Ion: 43 Resp: 1088
Ion Ratio Lower Upper
43 100
74 23.7 18.6 27.8



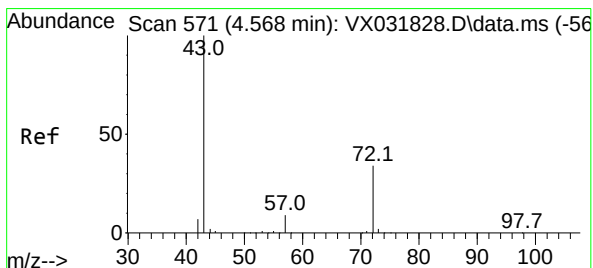
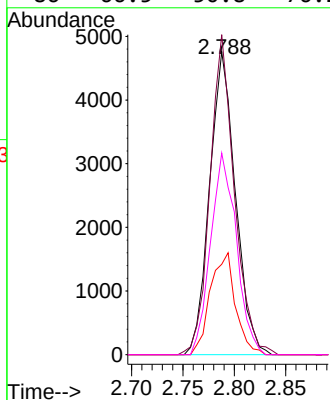
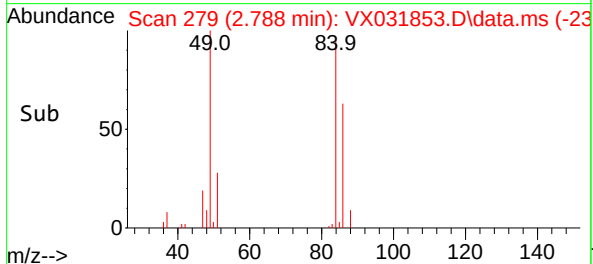


#20
Methylene Chloride
Concen: 6.453 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54

Instrument :
MSVOA_X
ClientSampleId :

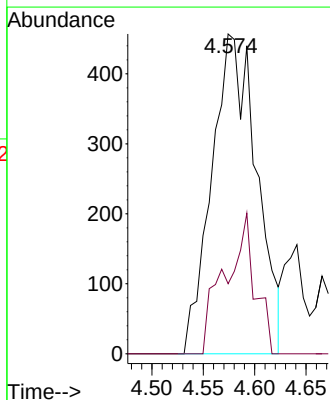
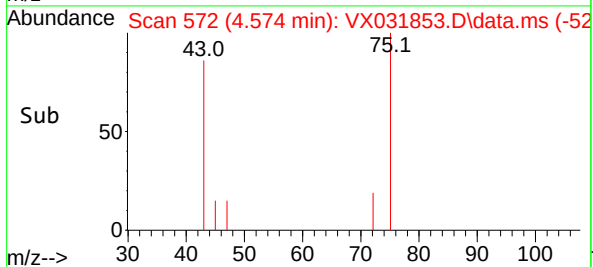
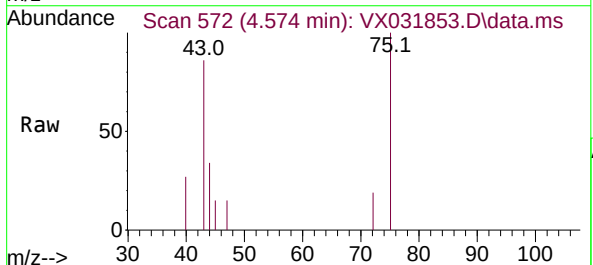


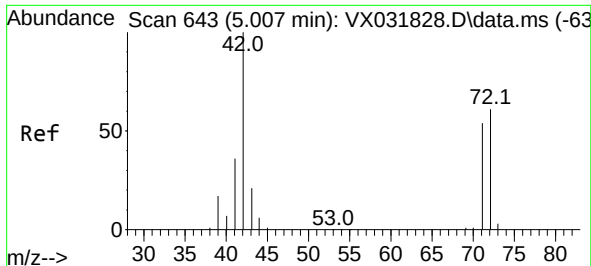
Tgt Ion:	84	Resp:	8303
Ion	Ratio	Lower	Upper
84	100		
49	105.6	105.9	158.9#
51	29.9	32.2	48.2#
86	66.5	50.8	76.2



#25
2-Butanone
Concen: 2.054 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54

Tgt Ion:	43	Resp:	1386
Ion	Ratio	Lower	Upper
43	100		
72	21.9	21.1	31.7





#29

Tetrahydrofuran

Concen: 0.487 ug/l

RT: 5.019 min Scan# 643

Delta R.T. 0.006 min

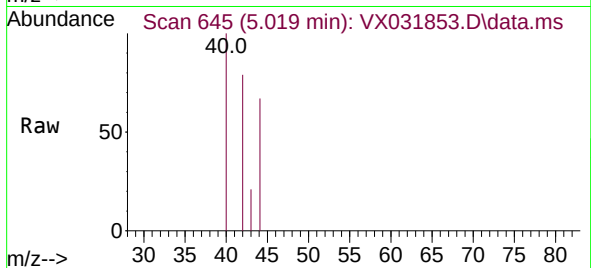
Lab File: VX031853.D

Acq: 03 Oct 2022 22:54

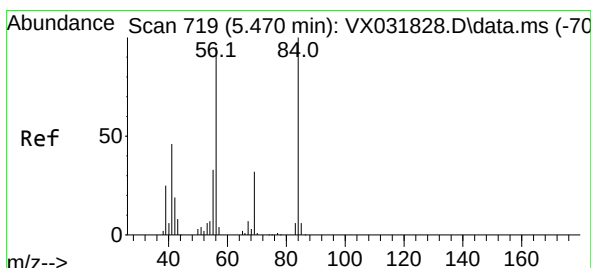
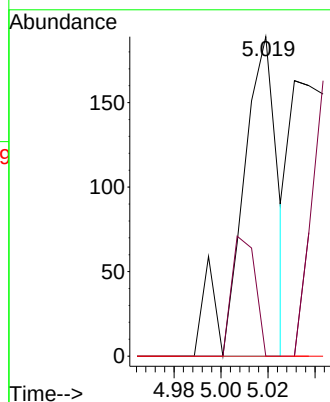
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	203
Ion	Ratio	Lower	Upper
42	100		
72	24.1	36.4	54.6#
71	0.0	33.5	50.3#



#31

Cyclohexane

Concen: 0.851 ug/l

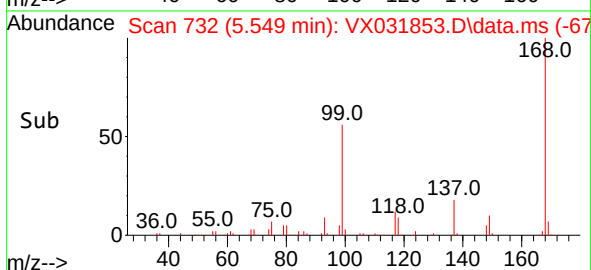
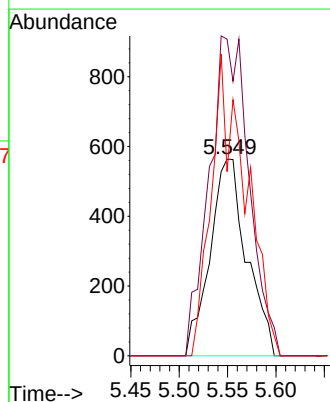
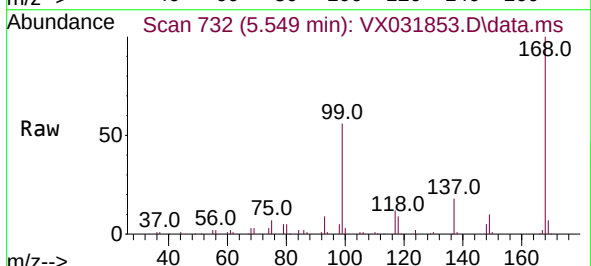
RT: 5.549 min Scan# 732

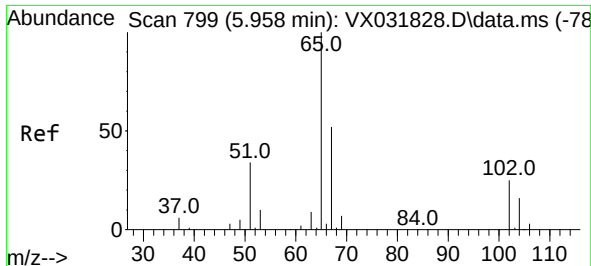
Delta R.T. 0.079 min

Lab File: VX031853.D

Acq: 03 Oct 2022 22:54

Tgt Ion:	56	Resp:	1491
Ion	Ratio	Lower	Upper
56	100		
69	161.0	25.1	37.7#
84	93.6	70.2	105.4





#33

1,2-Dichloroethane-d4

Concen: 52.968 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX031853.D

Acq: 03 Oct 2022 22:54

Instrument :

MSVOA_X

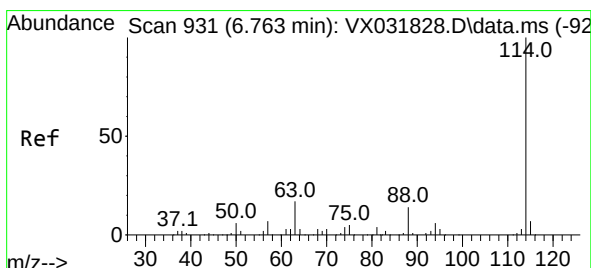
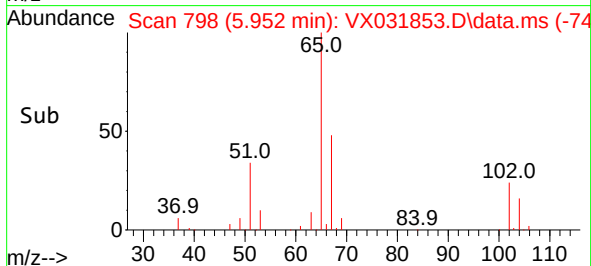
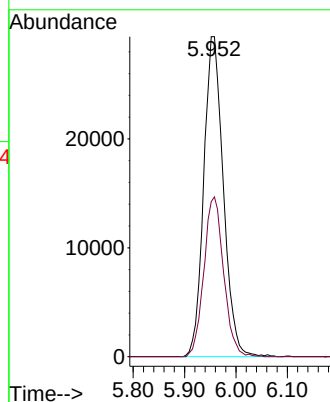
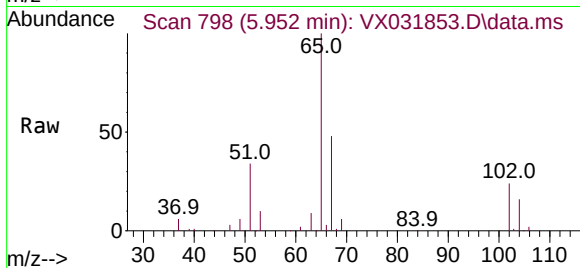
ClientSampleId :

Tgt Ion: 65 Resp: 77903

Ion Ratio Lower Upper

65 100

67 50.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031853.D

Acq: 03 Oct 2022 22:54

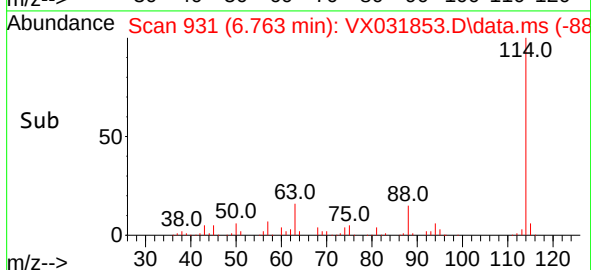
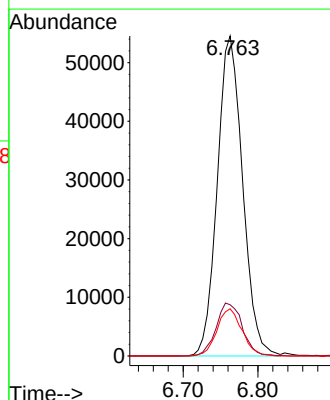
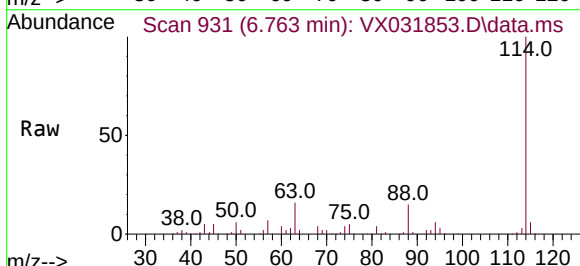
Tgt Ion: 114 Resp: 128439

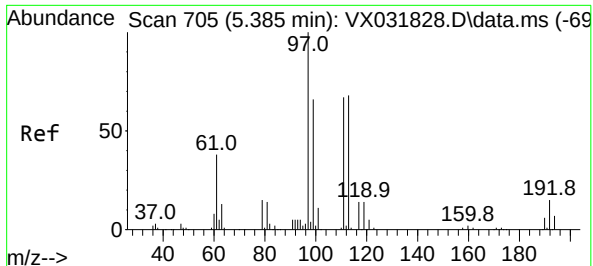
Ion Ratio Lower Upper

114 100

63 16.0 0.0 42.6

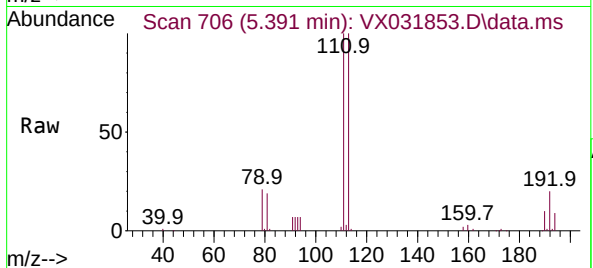
88 14.8 0.0 33.0



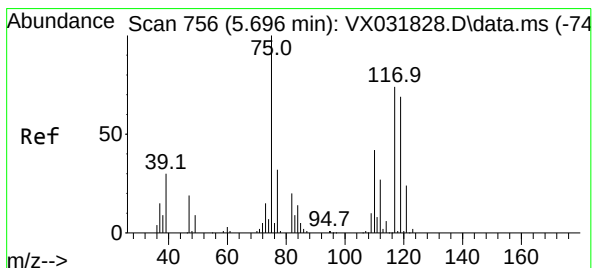
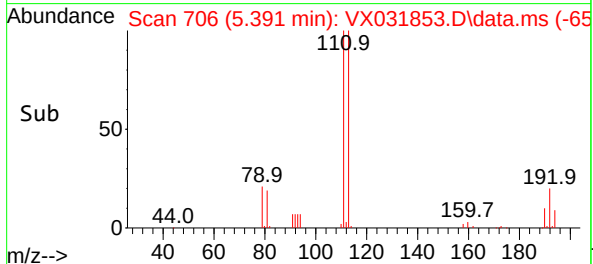
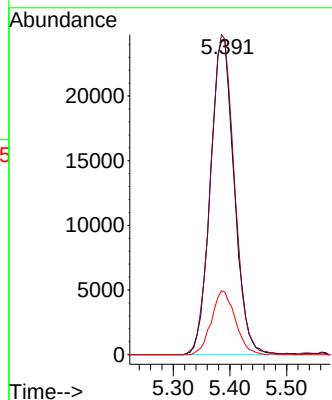


#35
Dibromofluoromethane
Concen: 46.780 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54

Instrument :
MSVOA_X
ClientSampleId :

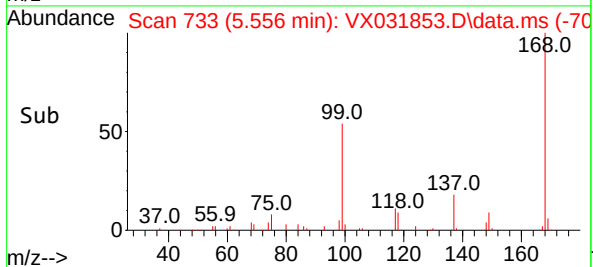
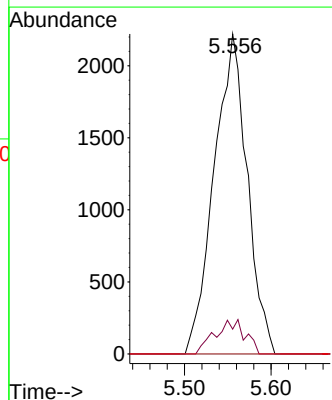
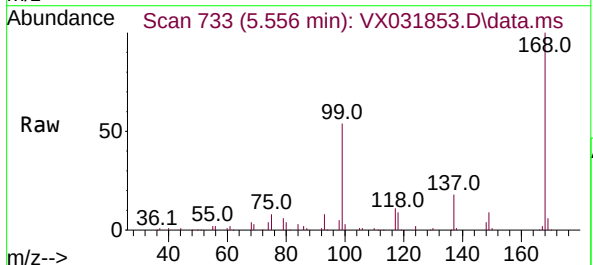


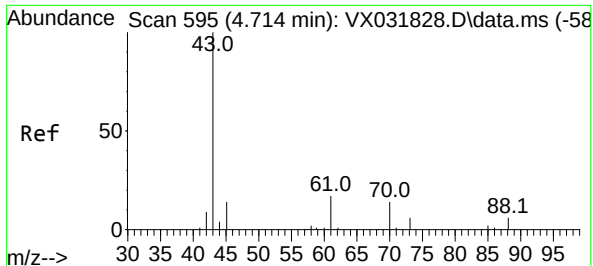
Tgt Ion:113 Resp: 71386
Ion Ratio Lower Upper
113 100
111 101.6 82.4 123.6
192 20.2 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.113 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54

Tgt Ion: 75 Resp: 5891
Ion Ratio Lower Upper
75 100
110 9.6 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 10.255 ug/l

RT: 4.720 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX031853.D

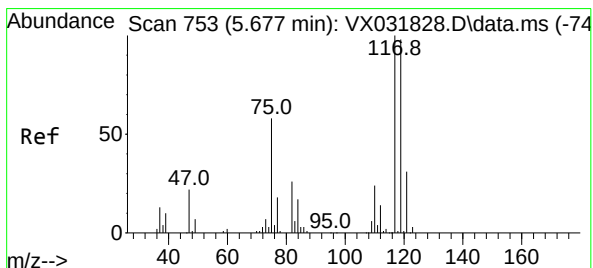
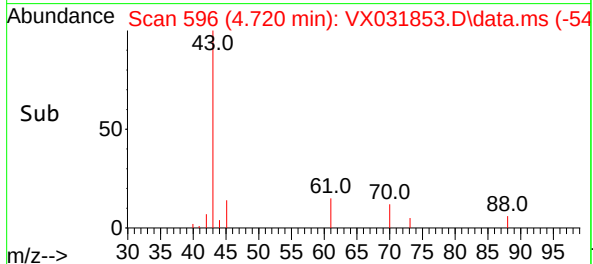
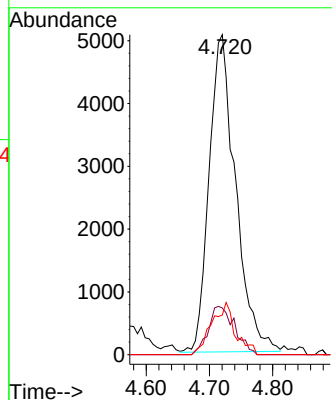
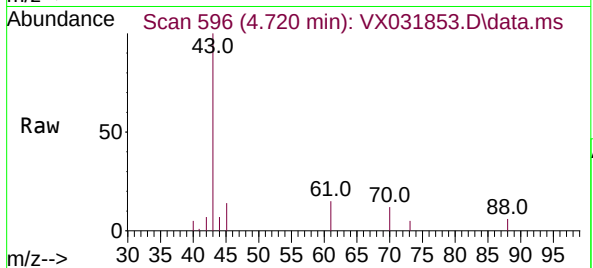
Acq: 03 Oct 2022 22:54

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	14688
Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.1	16.7
70	14.6	8.6	13.0



#38

Carbon Tetrachloride

Concen: 3.608 ug/l

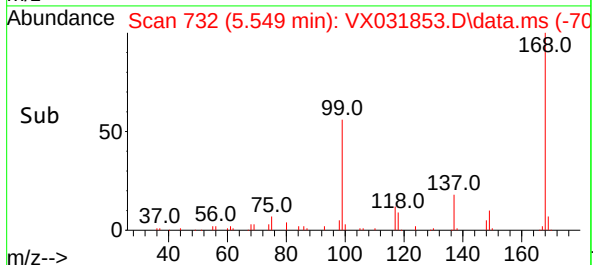
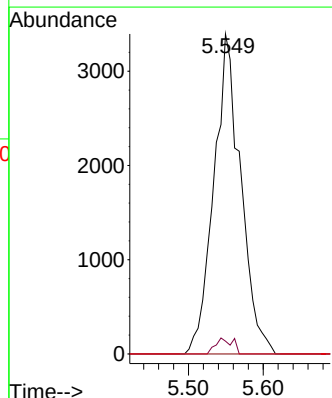
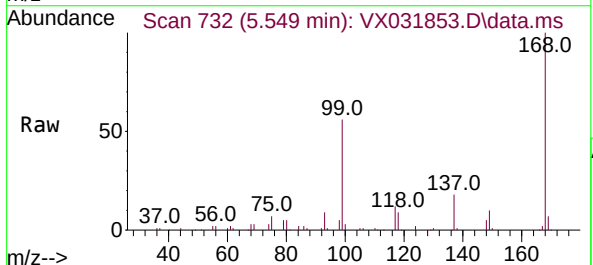
RT: 5.549 min Scan# 732

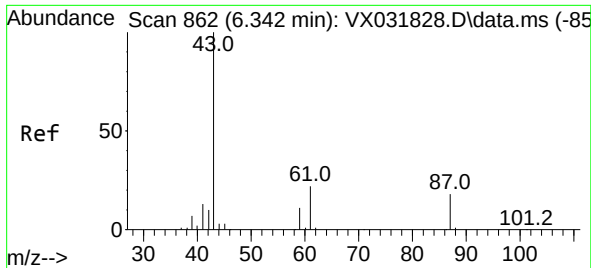
Delta R.T. -0.129 min

Lab File: VX031853.D

Acq: 03 Oct 2022 22:54

Tgt Ion:	117	Resp:	8476
Ion	Ratio	Lower	Upper
117	100		
119	4.0	74.6	112.0
121	0.0	25.3	37.9

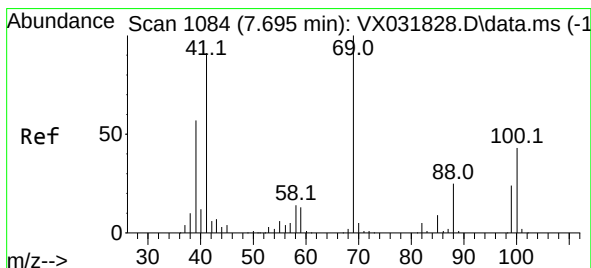
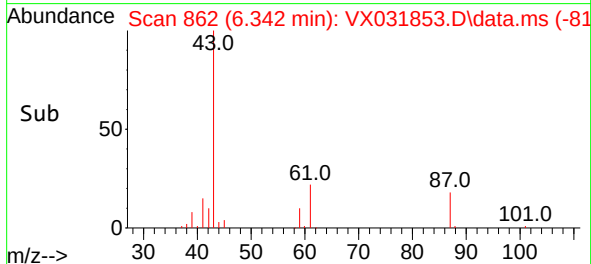
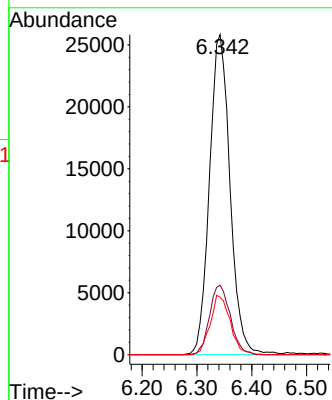
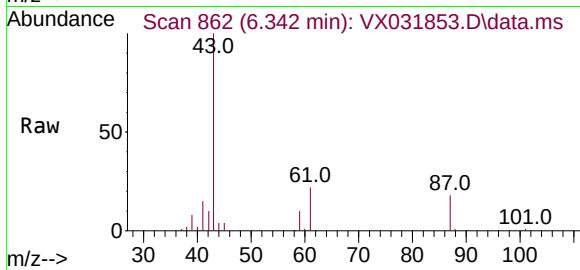




#43
Isopropyl Acetate
Concen: 28.996 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54

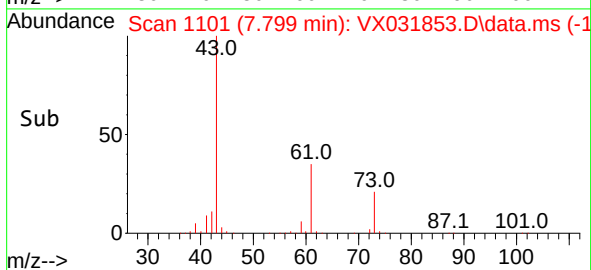
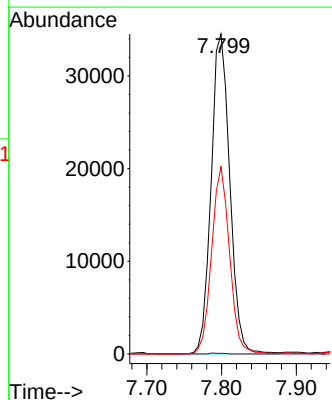
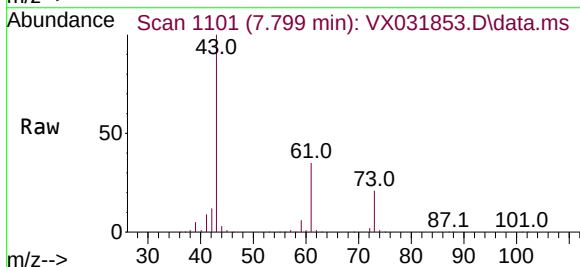
Instrument :
MSVOA_X
ClientSampleId :

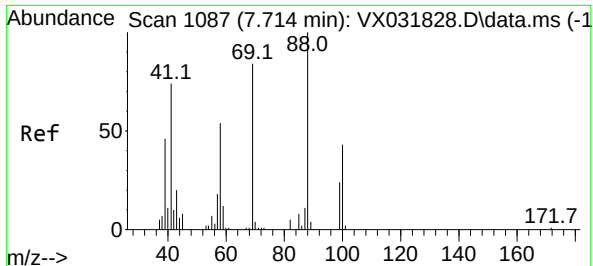
Tgt Ion: 43 Resp: 67149
Ion Ratio Lower Upper
43 100
61 21.9 15.3 22.9
87 18.0 10.6 15.8#



#48
Methyl methacrylate
Concen: 57.883 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54

Tgt Ion: 41 Resp: 59985
Ion Ratio Lower Upper
41 100
69 0.2 64.6 96.8#
39 56.1 51.4 77.0





#49

1,4-Dioxane

Concen: 2.709 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.079 min

Lab File: VX031853.D

Acq: 03 Oct 2022 22:54

Instrument :

MSVOA_X

ClientSampleId :

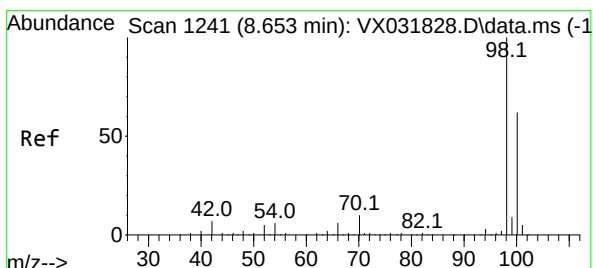
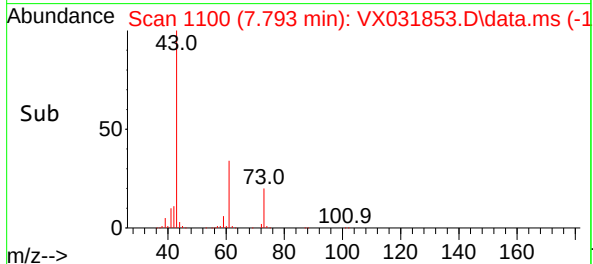
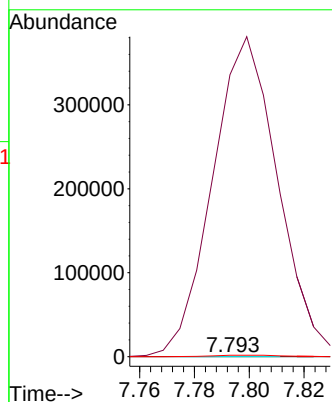
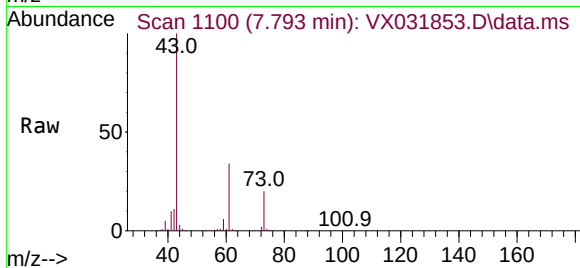
Tgt Ion: 88 Resp: 91

Ion Ratio Lower Upper

88 100

43 700981.3 27.1 40.7#

58 3495.6 53.9 80.9#



#50

Toluene-d8

Concen: 50.662 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.007 min

Lab File: VX031853.D

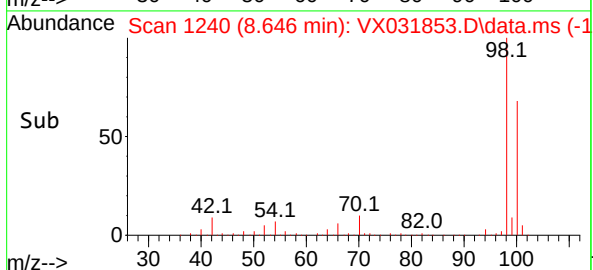
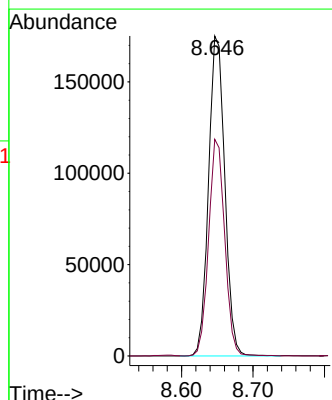
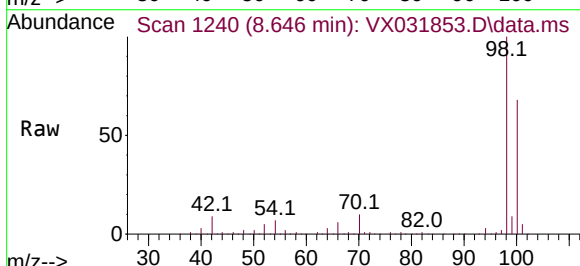
Acq: 03 Oct 2022 22:54

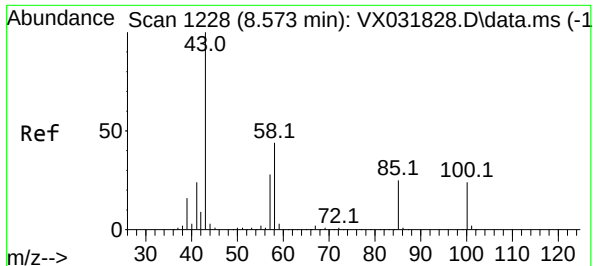
Tgt Ion: 98 Resp: 276562

Ion Ratio Lower Upper

98 100

100 67.2 52.5 78.7

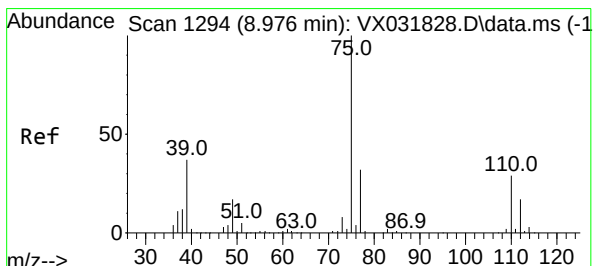
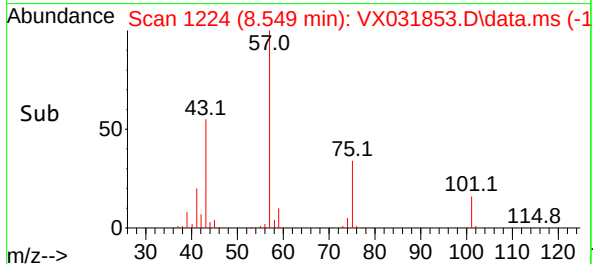
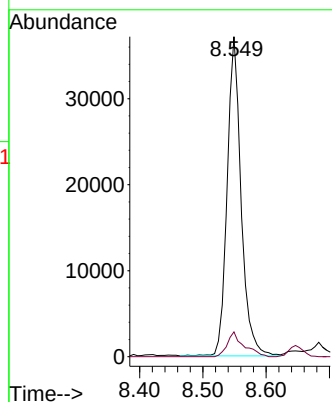
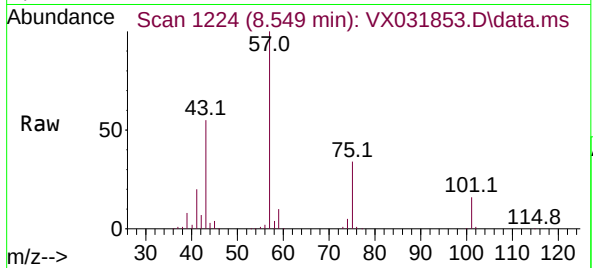




#51
4-Methyl-2-Pentanone
Concen: 39.021 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54

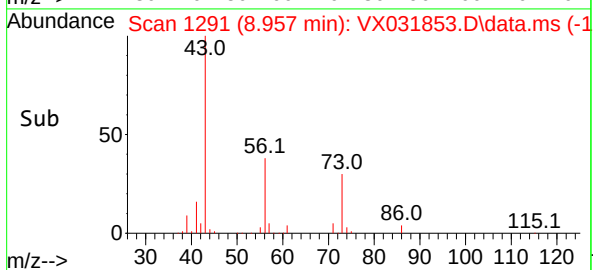
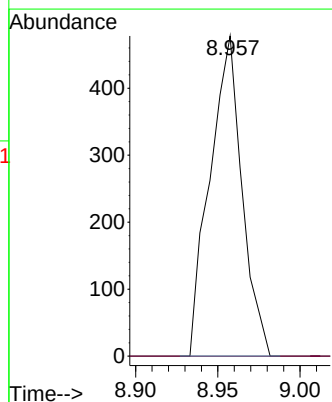
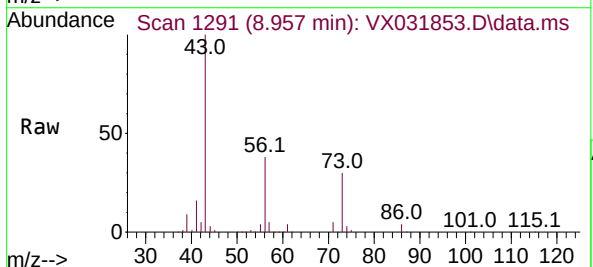
Instrument :
MSVOA_X
ClientSampleId :

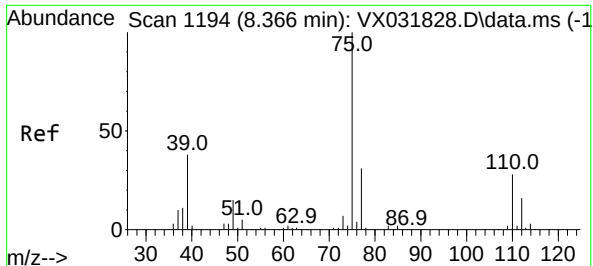
Tgt Ion: 43 Resp: 56725
Ion Ratio Lower Upper
43 100
58 9.2 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.319 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.019 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54

Tgt Ion: 75 Resp: 649
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#

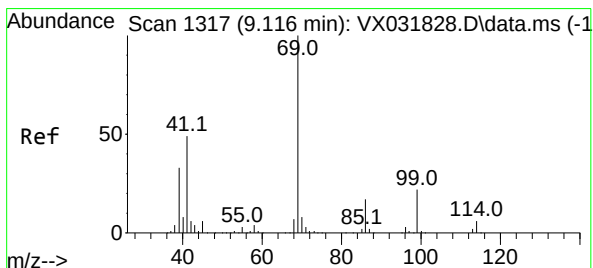
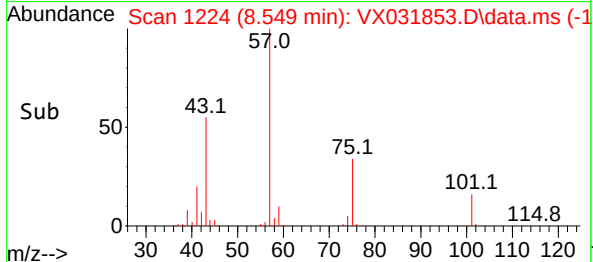
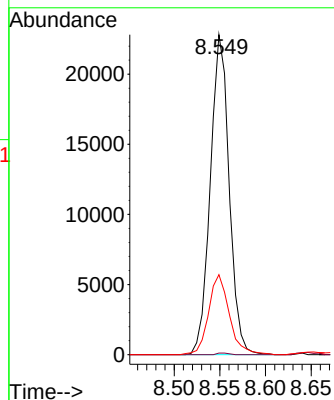
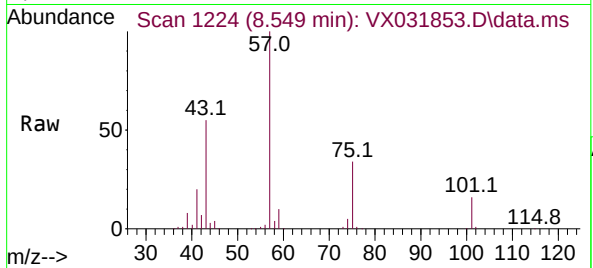




#54
 cis-1,3-Dichloropropene
 Concen: 14.677 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX031853.D
 Acq: 03 Oct 2022 22:54

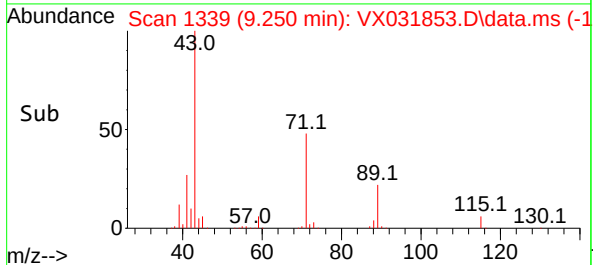
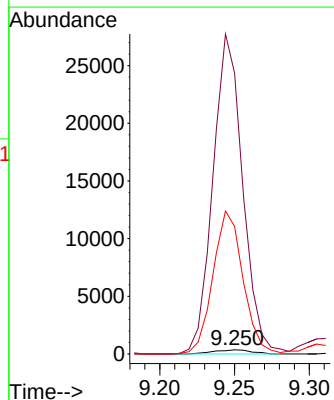
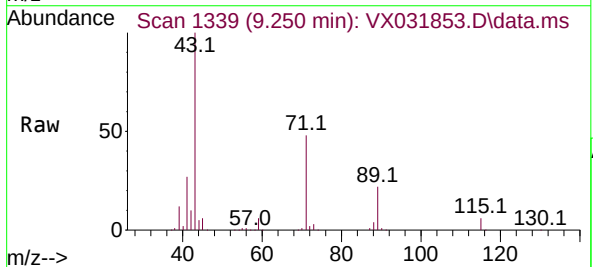
Instrument :
 MSVOA_X
 ClientSampleId :

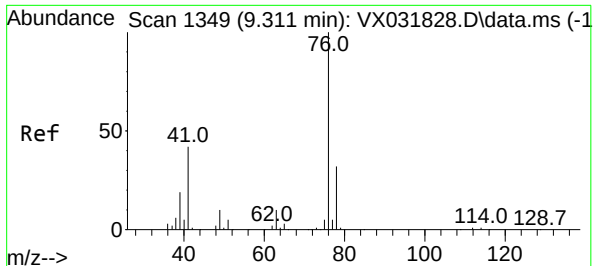
Tgt Ion: 75 Resp: 32760
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.4 36.6#
 39 25.0 43.7 65.5#



#56
 Ethyl methacrylate
 Concen: 0.353 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.134 min
 Lab File: VX031853.D
 Acq: 03 Oct 2022 22:54

Tgt Ion: 69 Resp: 623
 Ion Ratio Lower Upper
 69 100
 41 6163.4 54.2 81.4#
 39 2771.7 34.2 51.2#





#57

1,3-Dichloropropane

Concen: 1.817 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031853.D

Acq: 03 Oct 2022 22:54

Instrument :

MSVOA_X

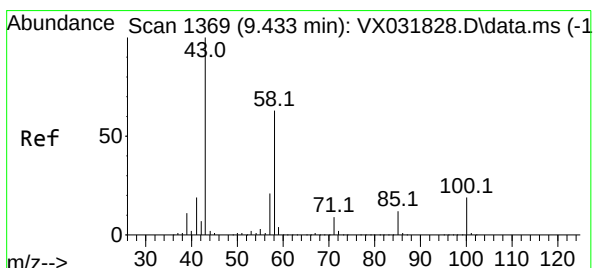
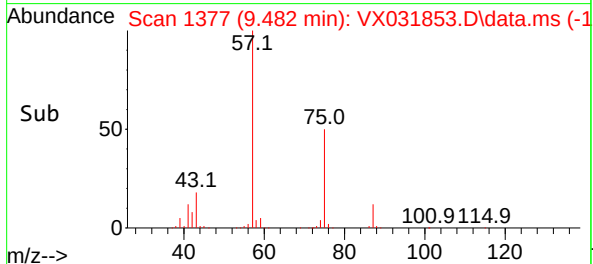
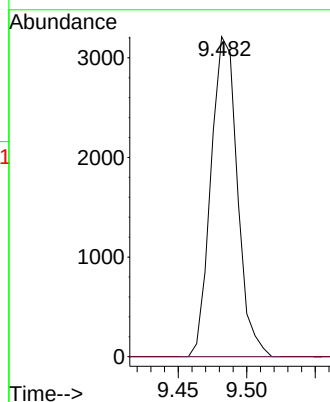
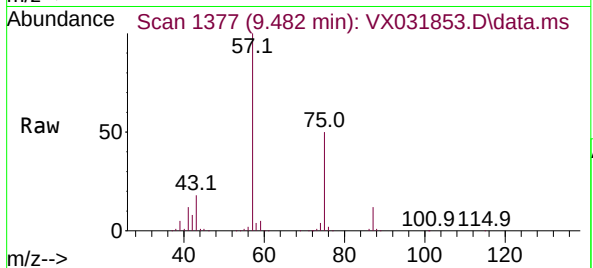
ClientSampleId :

Tgt Ion: 76 Resp: 4310

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 42.329 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX031853.D

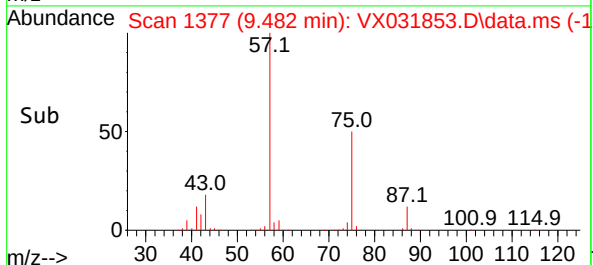
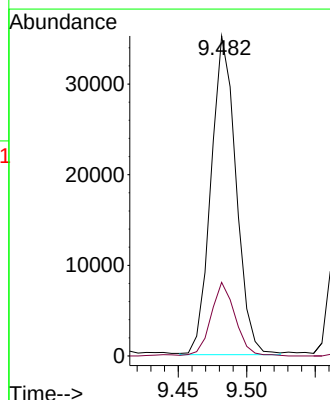
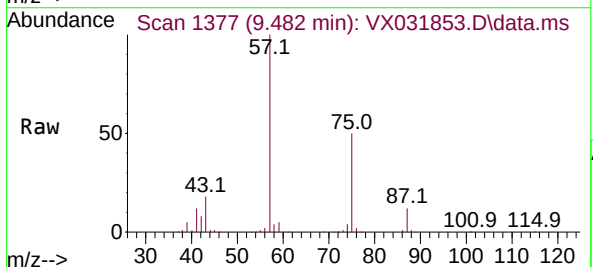
Acq: 03 Oct 2022 22:54

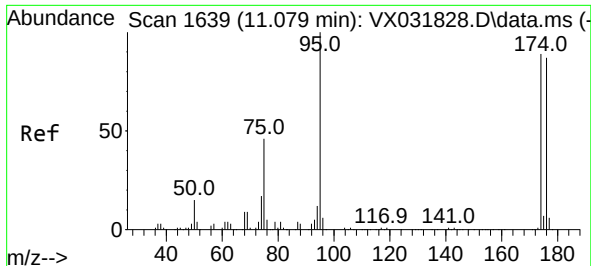
Tgt Ion: 43 Resp: 44734

Ion Ratio Lower Upper

43 100

58 22.3 26.7 80.0#





#62

4-Bromofluorobenzene

Concen: 48.517 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX031853.D

Acq: 03 Oct 2022 22:54

Instrument :

MSVOA_X

ClientSampleId :

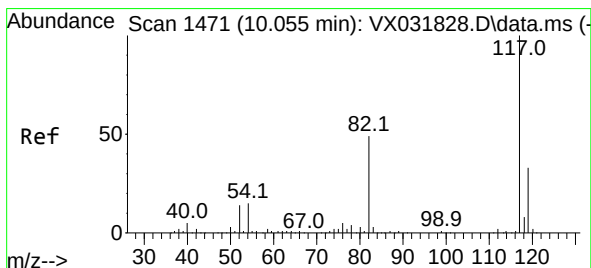
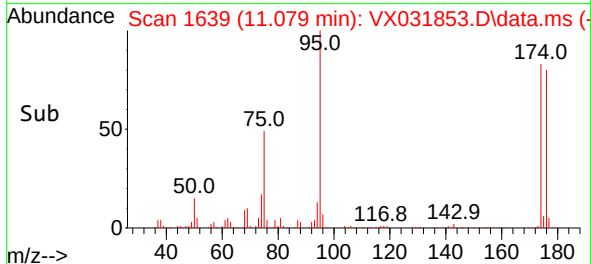
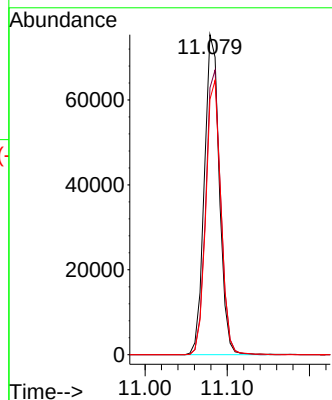
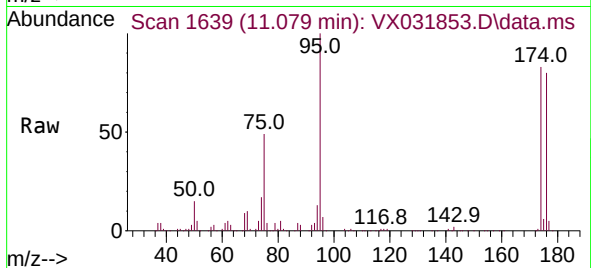
Tgt Ion: 95 Resp: 95376

Ion Ratio Lower Upper

95 100

174 88.8 0.0 153.2

176 86.2 0.0 144.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX031853.D

Acq: 03 Oct 2022 22:54

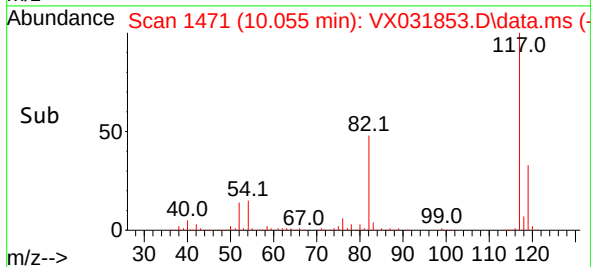
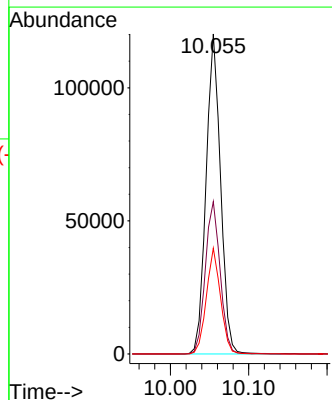
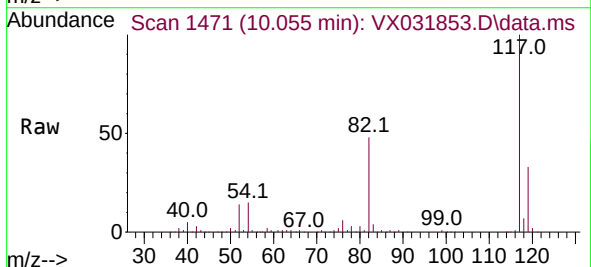
Tgt Ion: 117 Resp: 153867

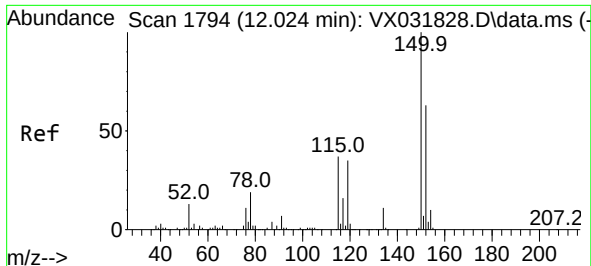
Ion Ratio Lower Upper

117 100

82 47.6 46.8 70.2

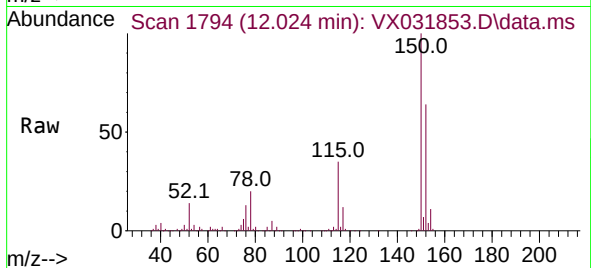
119 33.1 26.4 39.6



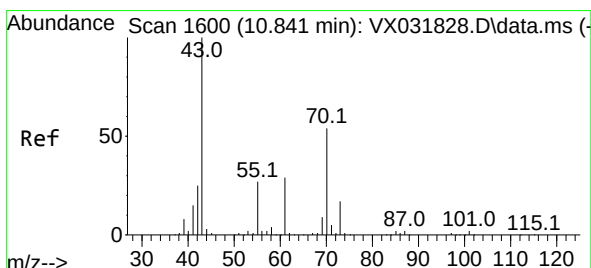
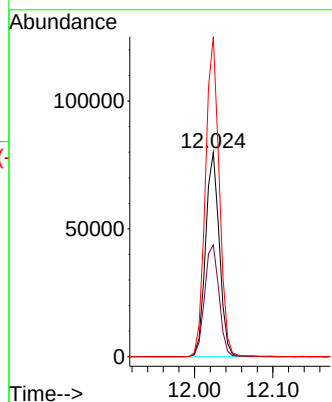
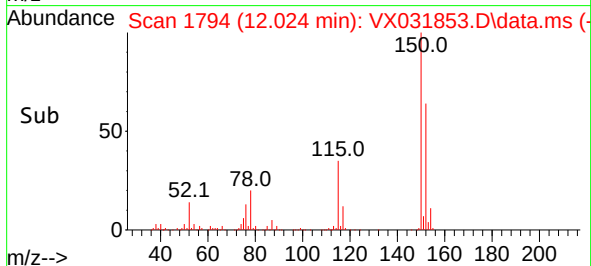


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54

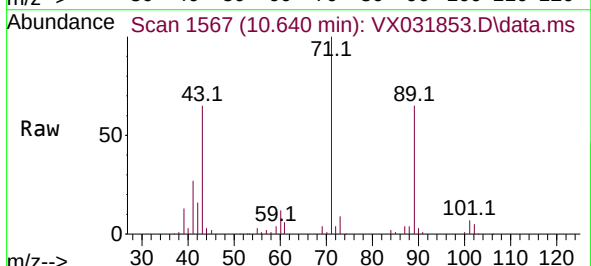
Instrument :
MSVOA_X
ClientSampleId :



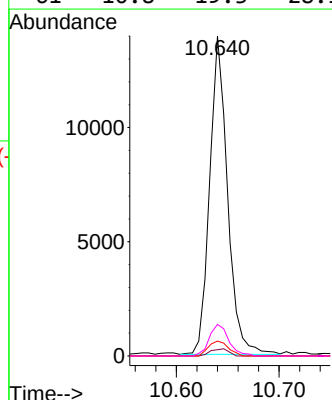
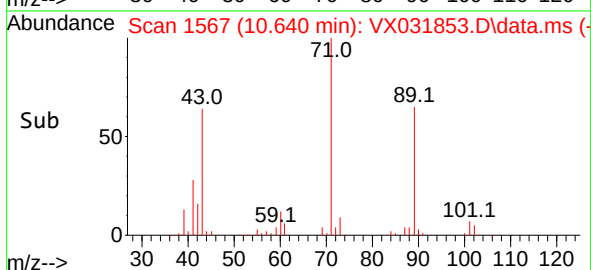
Tgt Ion:152 Resp: 97115
Ion Ratio Lower Upper
152 100
115 57.5 43.4 130.1
150 157.3 0.0 346.8

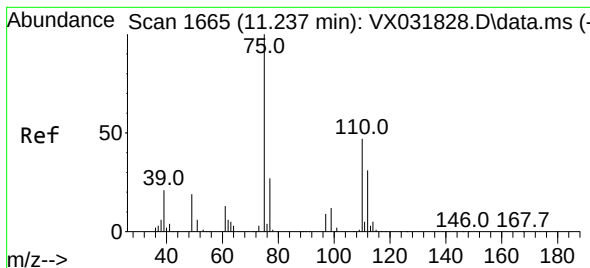


#74
N-ethyl acetate
Concen: 10.470 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX031853.D
Acq: 03 Oct 2022 22:54



Tgt Ion: 43 Resp: 16822
Ion Ratio Lower Upper
43 100
70 2.3 33.4 50.2#
55 5.2 18.2 27.2#
61 10.8 19.3 28.9#





#76

1,2,3-Trichloropropane

Concen: 25.724 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX031853.D

Acq: 03 Oct 2022 22:54

Instrument :

MSVOA_X

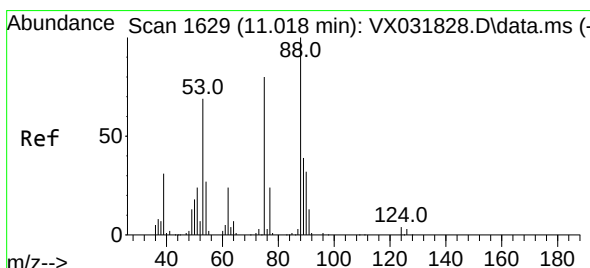
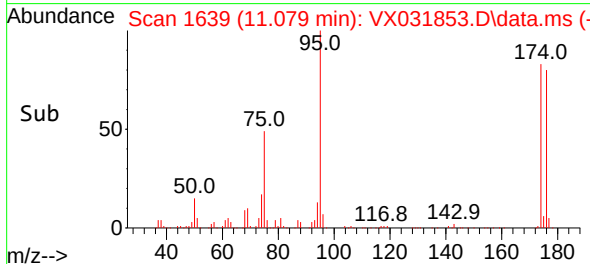
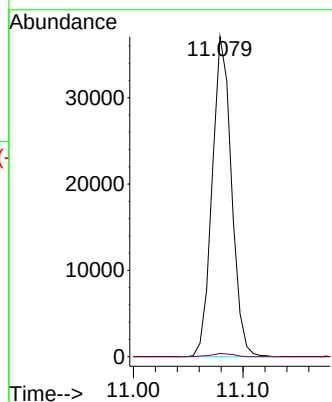
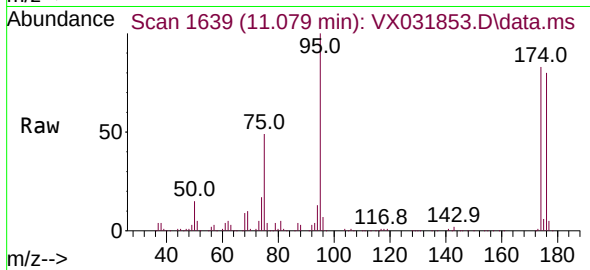
ClientSampleId :

Tgt Ion: 75 Resp: 45452

Ion Ratio Lower Upper

75 100

77 1.1 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.307 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX031853.D

Acq: 03 Oct 2022 22:54

Tgt Ion: 75 Resp: 45452

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 37.4 56.0#

