

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031851.D
 Acq On : 03 Oct 2022 22:07
 Operator : JC/MD
 Sample : PB148021TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 04 08:02:05 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)

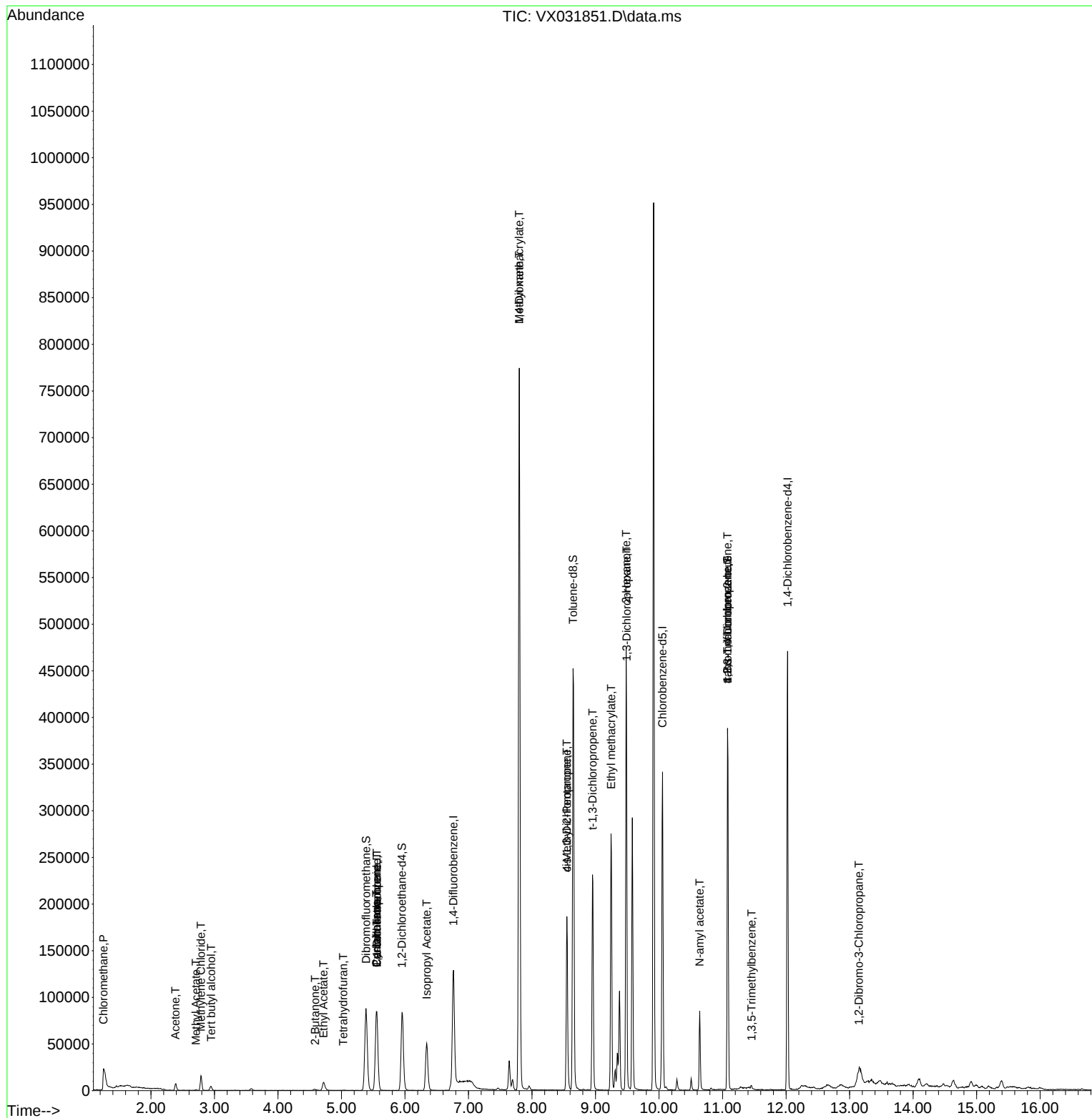
Internal Standards						
1) Pentafluorobenzene	5.556	168	87209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	135065	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	159541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79784	51.065	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.140%	
35) Dibromofluoromethane	5.385	113	74487	46.417	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.840%	
50) Toluene-d8	8.647	98	281886	49.104	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.200%	
62) 4-Bromofluorobenzene	11.079	95	99284	48.027	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	1121	0.948	ug/l #	41
5) Bromomethane	1.624	94	350	Below Cal		96
6) Chloroethane	1.770	64	439	Below Cal	#	82
11) Tert butyl alcohol	2.946	59	2506	11.521	ug/l #	73
16) Acetone	2.386	43	8768	7.362	ug/l	94
17) Carbon Disulfide	2.508	76	261	Below Cal	#	75
18) Methyl Acetate	2.709	43	720	0.493	ug/l	96
20) Methylene Chloride	2.788	84	7406	5.418	ug/l #	84
25) 2-Butanone	4.586	43	1299	1.812	ug/l #	77
29) Tetrahydrofuran	5.025	42	237	0.535	ug/l #	48
31) Cyclohexane	5.550	56	1444	0.776	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6067	3.049	ug/l #	51
37) Ethyl Acetate	4.714	43	14998	9.958	ug/l #	97
38) Carbon Tetrachloride	5.556	117	8271	3.348	ug/l #	15
43) Isopropyl Acetate	6.342	43	66300	27.225	ug/l #	91
48) Methyl methacrylate	7.799	41	61436	56.375	ug/l #	44
49) 1,4-Dioxane	7.799	88	147	4.162	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	57524	37.630	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	658	0.307	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	33341	14.204	ug/l #	55
56) Ethyl methacrylate	9.244	69	746	0.402	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	4387	1.759	ug/l #	43
59) 2-Hexanone	9.482	43	46528	41.867	ug/l #	55
74) N-amyl acetate	10.640	43	17557	10.381	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	48306	25.972	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.457	105	1809	0.300	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.079	75	48306	89.158	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	13.146	75	324	0.750	ug/l #	15

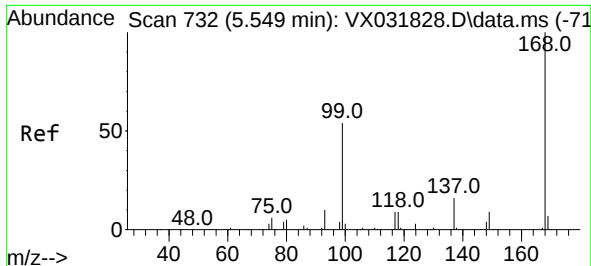
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
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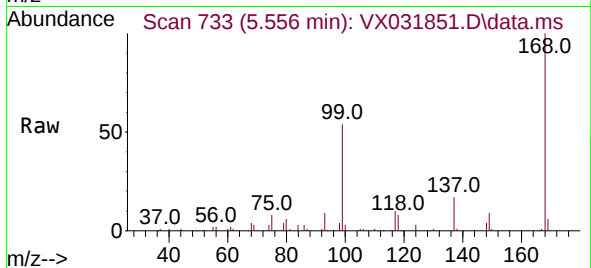
Quant Time: Oct 04 08:02:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
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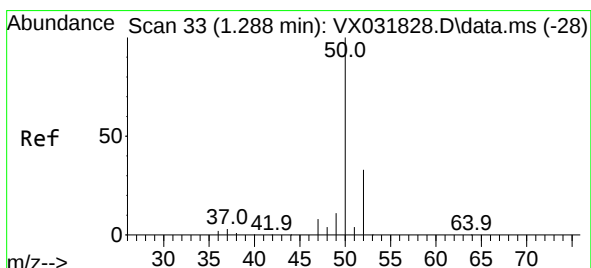
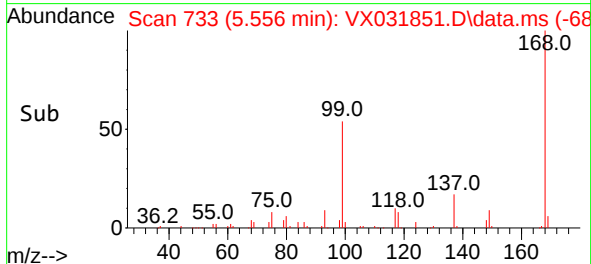
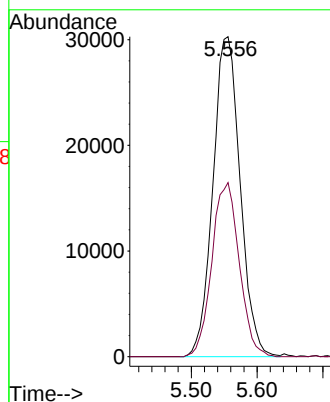


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

Instrument :
MSVOA_X
ClientSampleId :

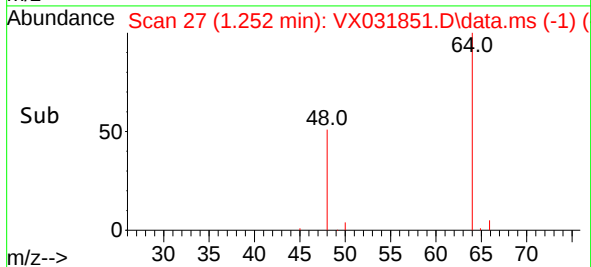
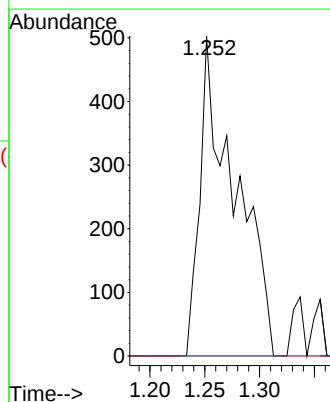
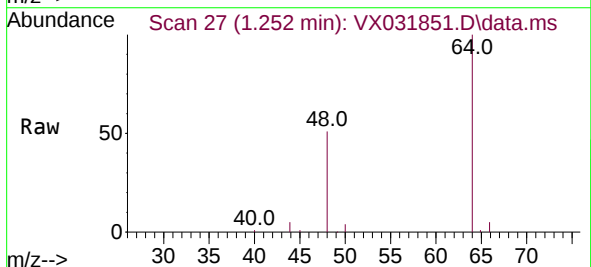


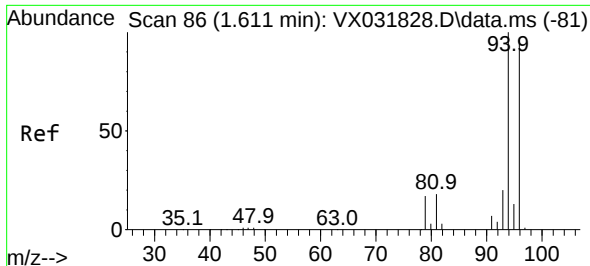
Tgt Ion:168 Resp: 87209
Ion Ratio Lower Upper
168 100
99 54.4 48.8 73.2



#3
Chloromethane
Concen: 0.948 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.036 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

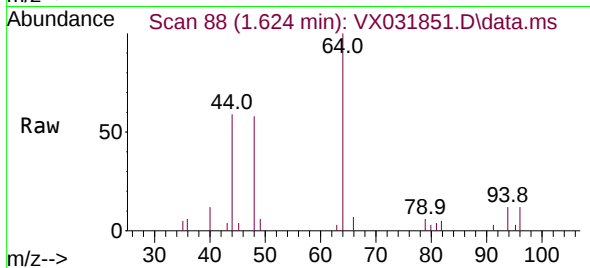
Tgt Ion: 50 Resp: 1121
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



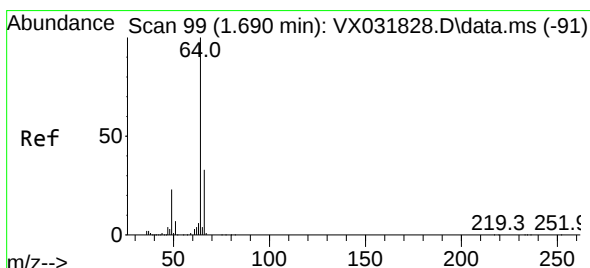
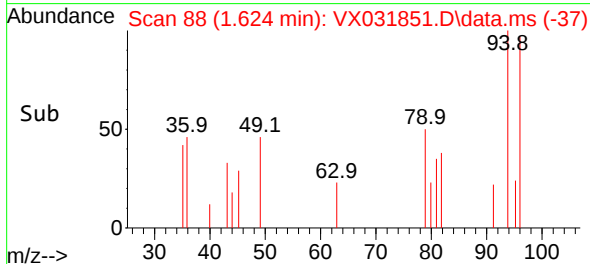
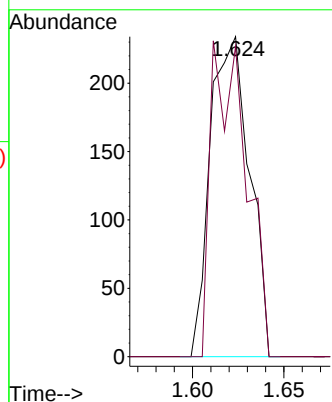


#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

Instrument :
MSVOA_X
ClientSampleId :

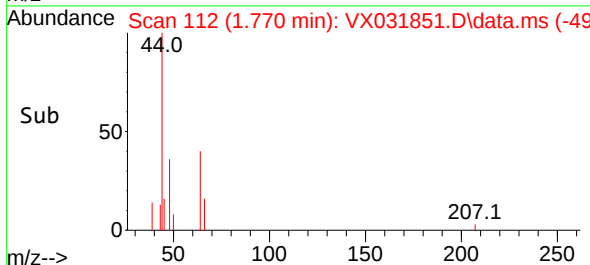
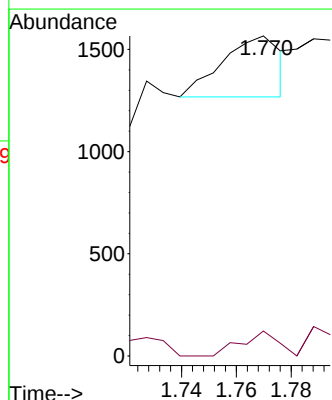
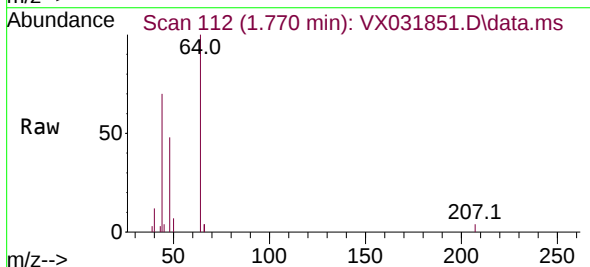


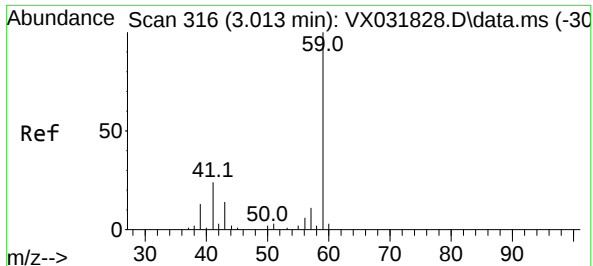
Tgt Ion: 94 Resp: 350
Ion Ratio Lower Upper
94 100
96 97.0 74.4 111.6



#6
Chloroethane
Concen: Below Cal
RT: 1.770 min Scan# 112
Delta R.T. 0.085 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

Tgt Ion: 64 Resp: 439
Ion Ratio Lower Upper
64 100
66 40.9 25.0 37.4#





#11

Tert butyl alcohol

Concen: 11.521 ug/l

RT: 2.946 min Scan# 30

Delta R.T. -0.135 min

Lab File: VX031851.D

Acq: 03 Oct 2022 22:07

Instrument :

MSVOA_X

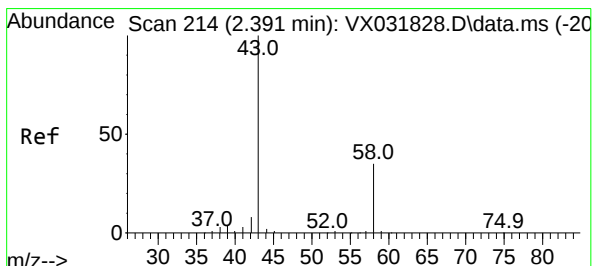
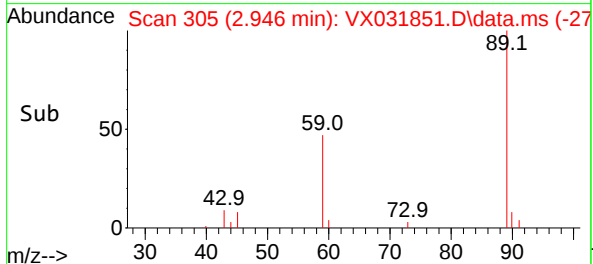
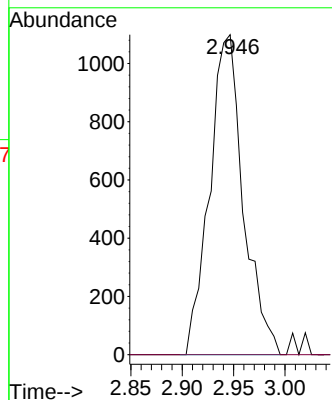
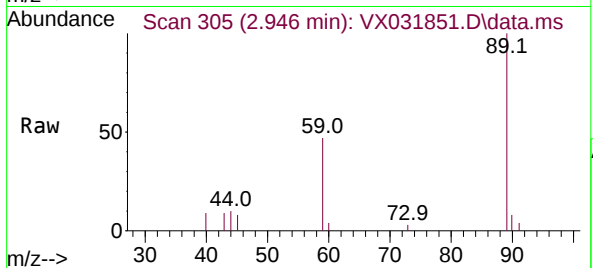
ClientSampleId :

Tgt Ion: 59 Resp: 2506

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 7.362 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX031851.D

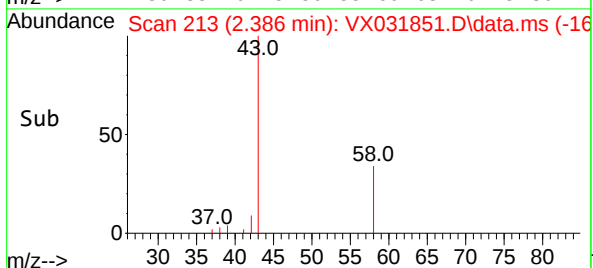
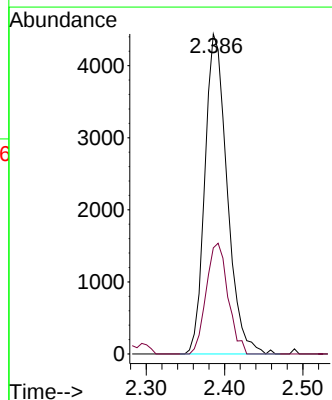
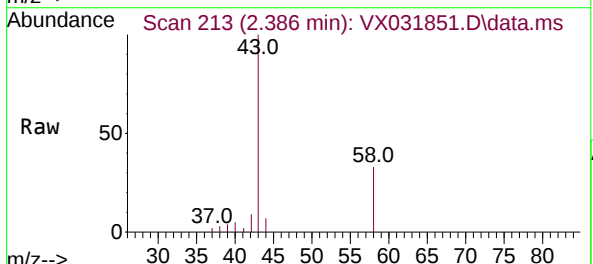
Acq: 03 Oct 2022 22:07

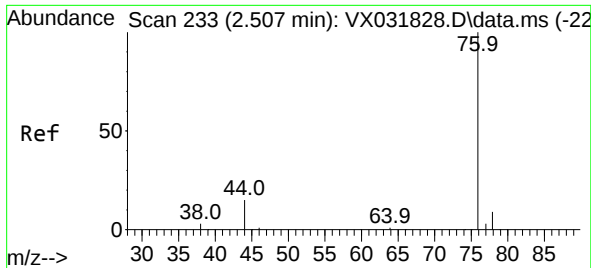
Tgt Ion: 43 Resp: 8768

Ion Ratio Lower Upper

43 100

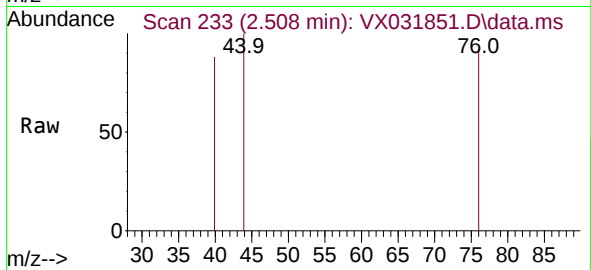
58 33.2 23.8 35.8



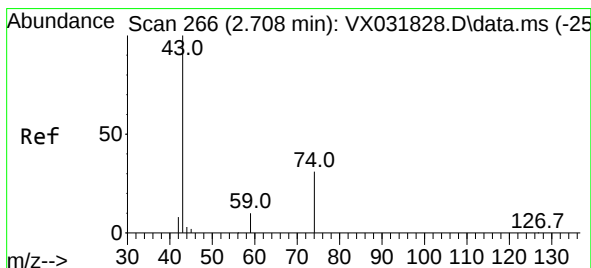
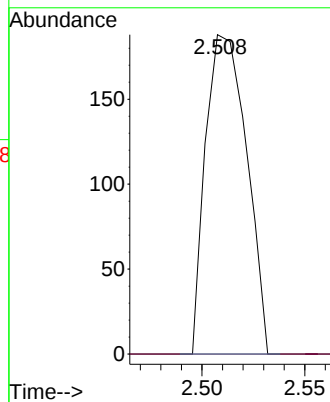
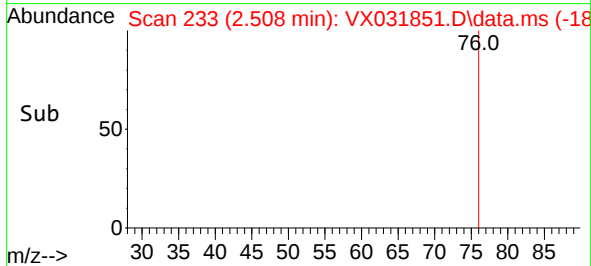


#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

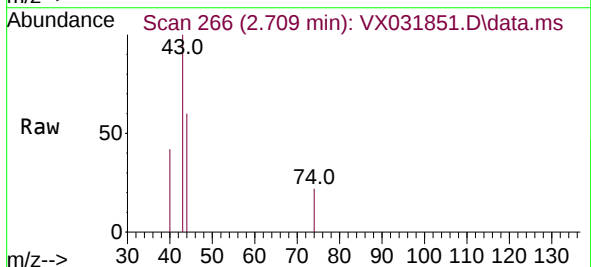
Instrument :
MSVOA_X
ClientSampleId :



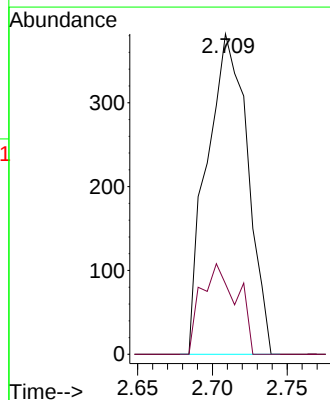
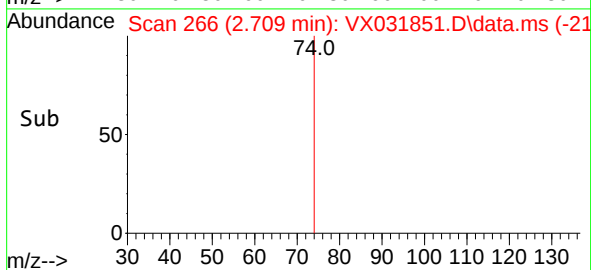
Tgt Ion: 76 Resp: 261
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

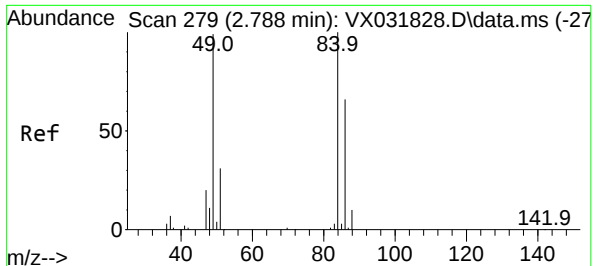


#18
Methyl Acetate
Concen: 0.493 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07



Tgt Ion: 43 Resp: 720
Ion Ratio Lower Upper
43 100
74 25.0 18.6 27.8





#20

Methylene Chloride

Concen: 5.418 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

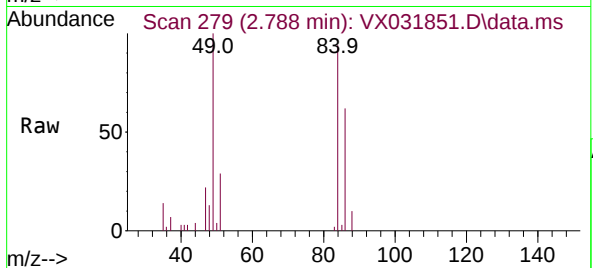
Lab File: VX031851.D

Acq: 03 Oct 2022 22:07

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 7406

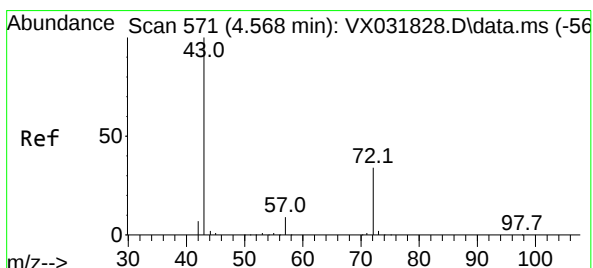
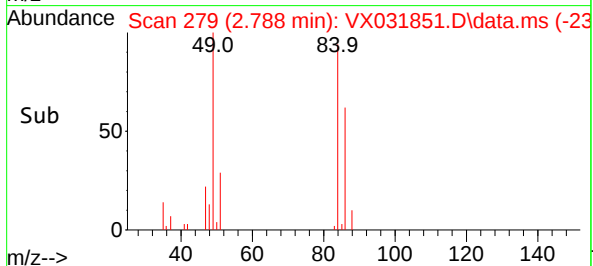
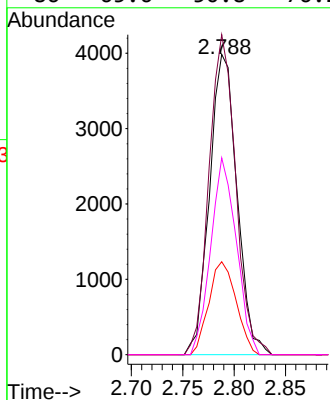
Ion Ratio Lower Upper

84 100

49 106.6 105.9 158.9

51 31.0 32.2 48.2#

86 65.6 50.8 76.2



#25

2-Butanone

Concen: 1.812 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.018 min

Lab File: VX031851.D

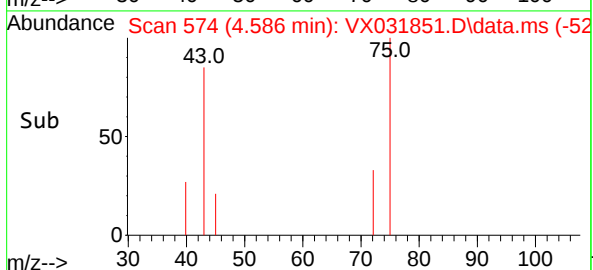
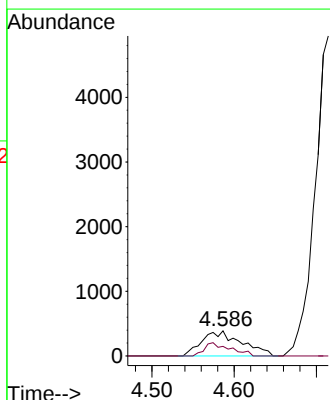
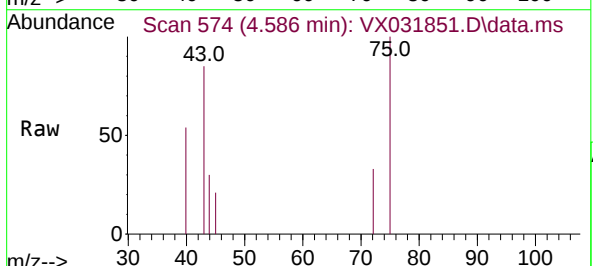
Acq: 03 Oct 2022 22:07

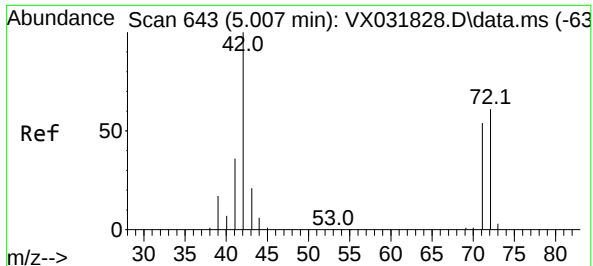
Tgt Ion: 43 Resp: 1299

Ion Ratio Lower Upper

43 100

72 38.3 21.1 31.7#





#29

Tetrahydrofuran

Concen: 0.535 ug/l

RT: 5.025 min Scan# 643

Delta R.T. 0.012 min

Lab File: VX031851.D

Acq: 03 Oct 2022 22:07

Instrument :

MSVOA_X

ClientSampleId :

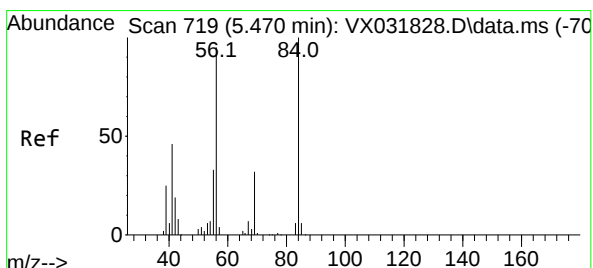
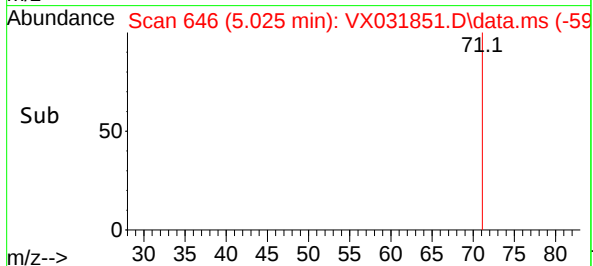
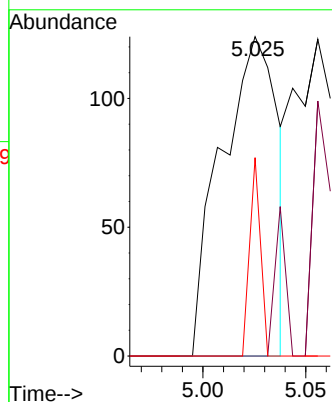
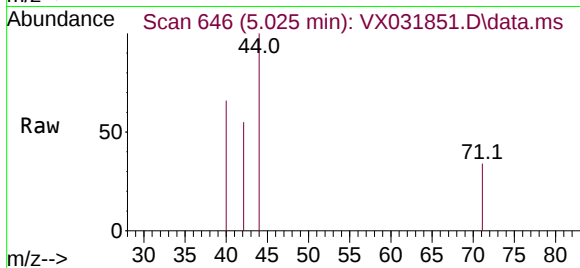
Tgt Ion: 42 Resp: 237

Ion Ratio Lower Upper

42 100

72 8.9 36.4 54.6#

71 11.8 33.5 50.3#



#31

Cyclohexane

Concen: 0.776 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX031851.D

Acq: 03 Oct 2022 22:07

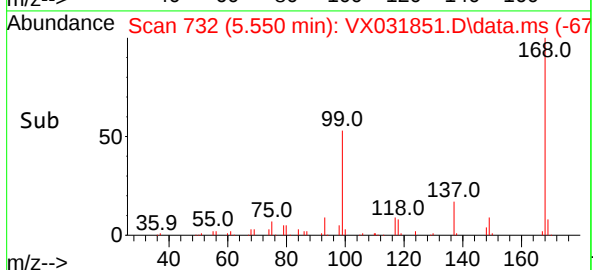
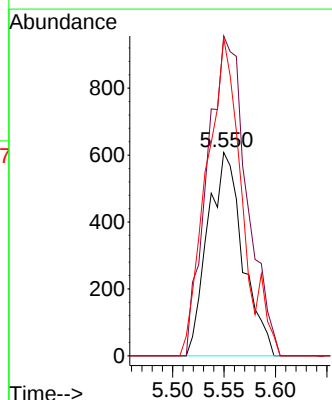
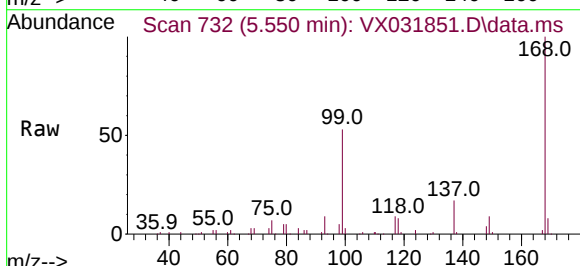
Tgt Ion: 56 Resp: 1444

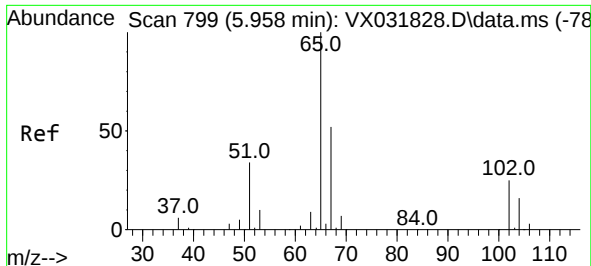
Ion Ratio Lower Upper

56 100

69 157.2 25.1 37.7#

84 156.3 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 51.065 ug/l

RT: 5.952 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031851.D

Acq: 03 Oct 2022 22:07

Instrument :

MSVOA_X

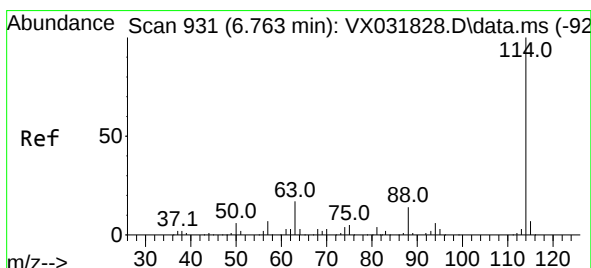
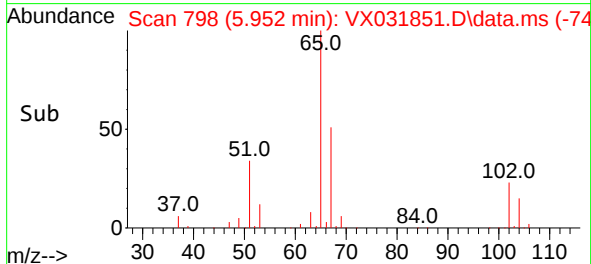
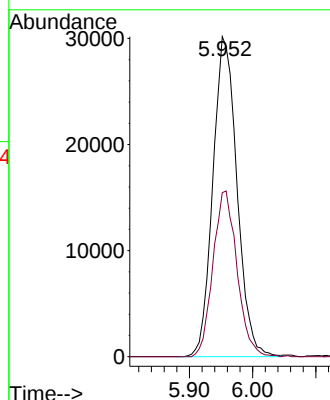
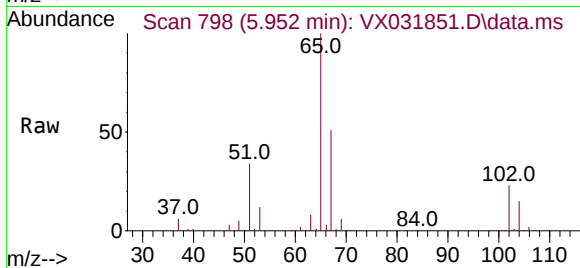
ClientSampleId :

Tgt Ion: 65 Resp: 79784

Ion Ratio Lower Upper

65 100

67 51.6 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: VX031851.D

Acq: 03 Oct 2022 22:07

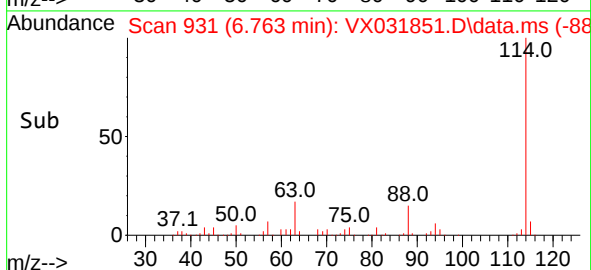
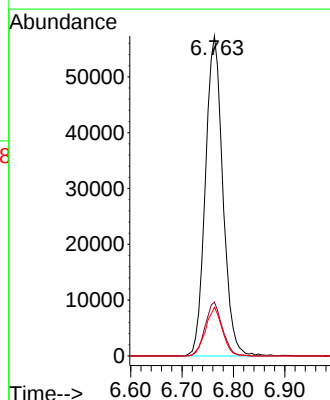
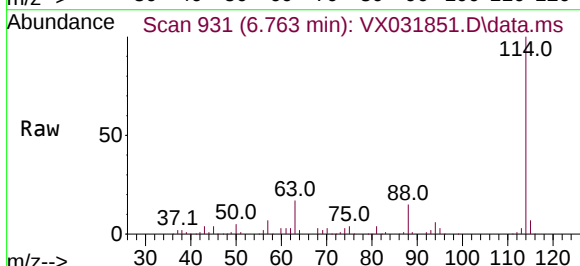
Tgt Ion: 114 Resp: 135065

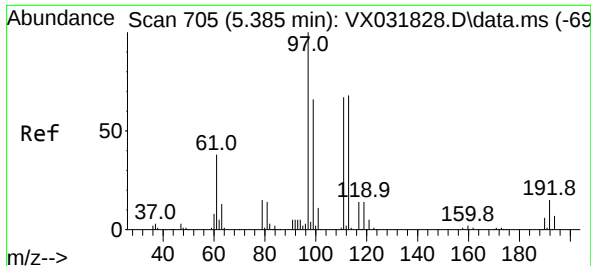
Ion Ratio Lower Upper

114 100

63 16.9 0.0 42.6

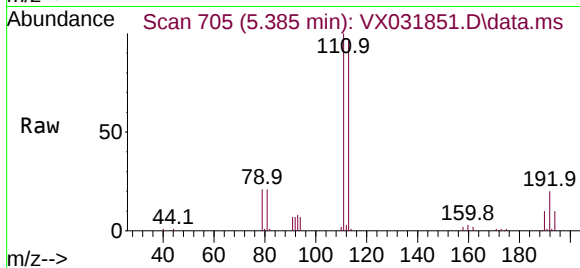
88 15.2 0.0 33.0



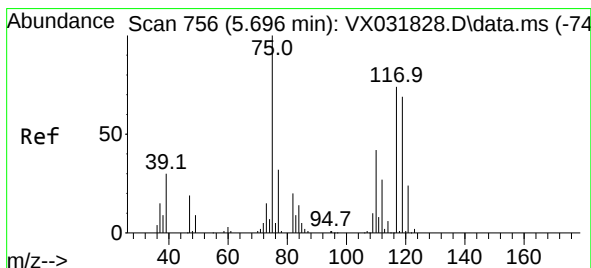
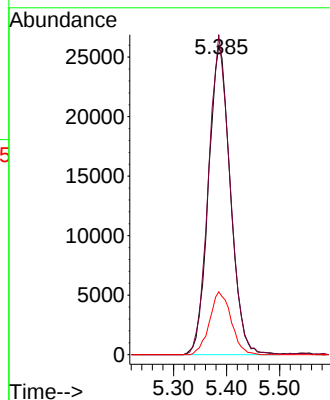
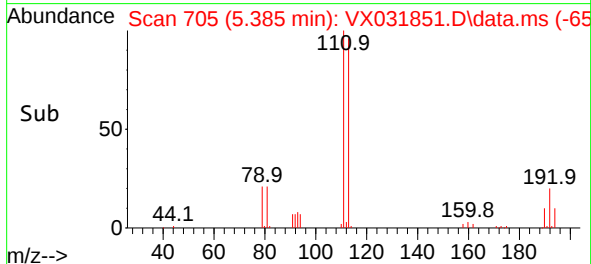


#35
Dibromofluoromethane
Concen: 46.417 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

Instrument :
MSVOA_X
ClientSampleId :

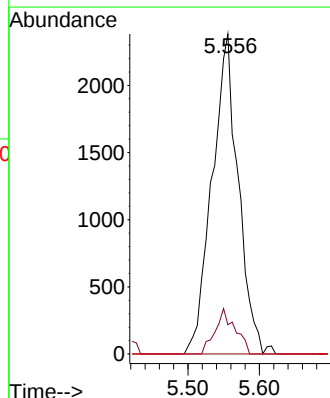
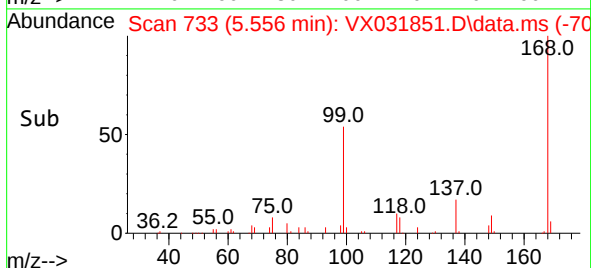
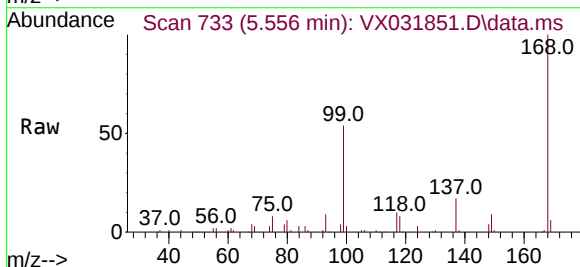


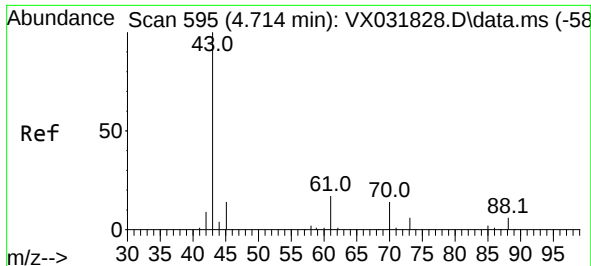
Tgt Ion:113 Resp: 74487
Ion Ratio Lower Upper
113 100
111 101.5 82.4 123.6
192 20.1 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.049 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

Tgt Ion: 75 Resp: 6067
Ion Ratio Lower Upper
75 100
110 10.8 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 9.958 ug/l

RT: 4.714 min Scan# 595

Delta R.T. 0.000 min

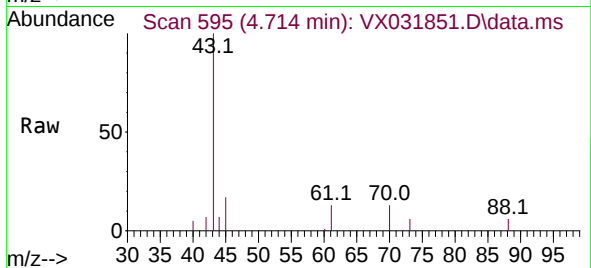
Lab File: VX031851.D

Acq: 03 Oct 2022 22:07

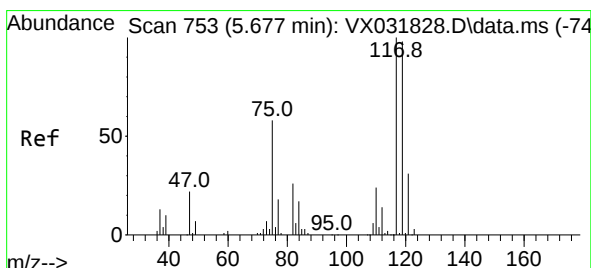
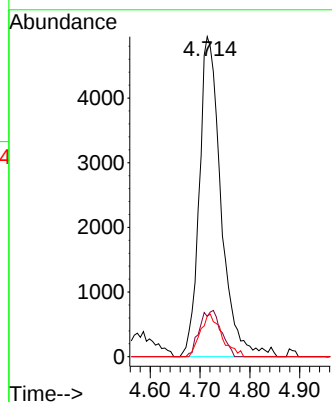
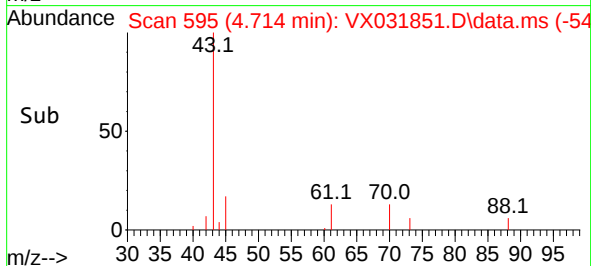
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	14998
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.1	16.7
70	13.0	8.6	13.0



#38

Carbon Tetrachloride

Concen: 3.348 ug/l

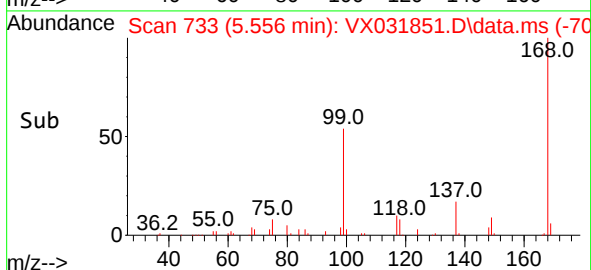
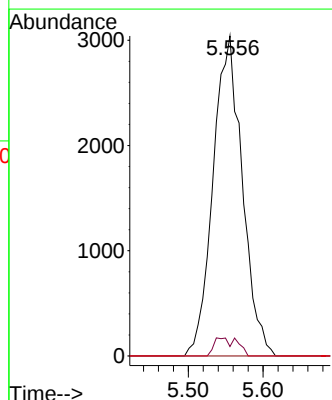
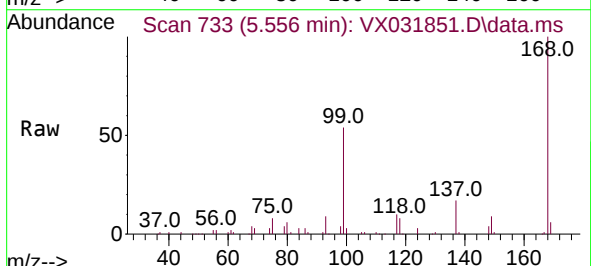
RT: 5.556 min Scan# 733

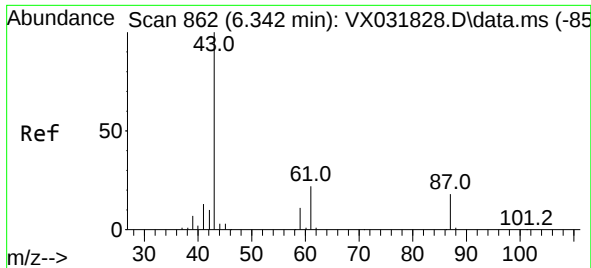
Delta R.T. -0.122 min

Lab File: VX031851.D

Acq: 03 Oct 2022 22:07

Tgt Ion:	117	Resp:	8271
Ion	Ratio	Lower	Upper
117	100		
119	3.0	74.6	112.0
121	0.0	25.3	37.9

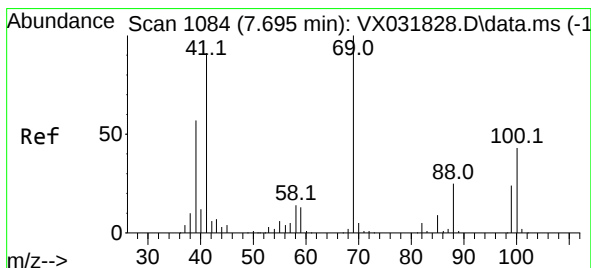
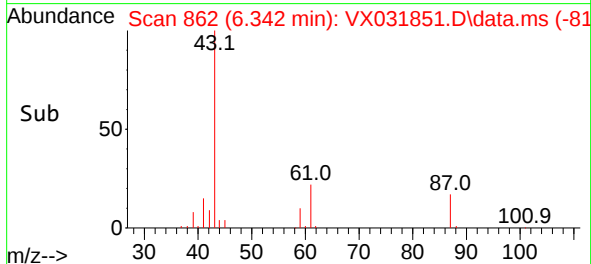
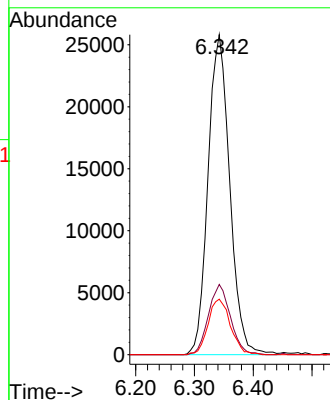
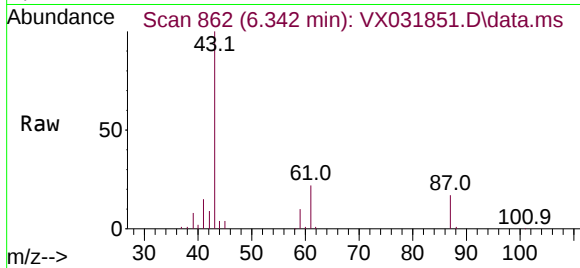




#43
Isopropyl Acetate
Concen: 27.225 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

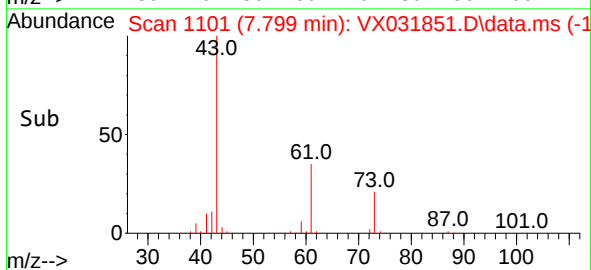
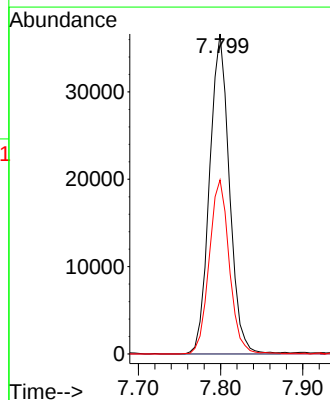
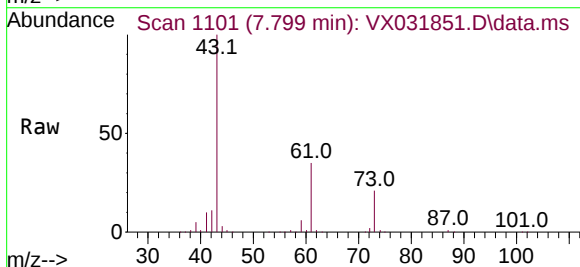
Instrument :
MSVOA_X
ClientSampleId :

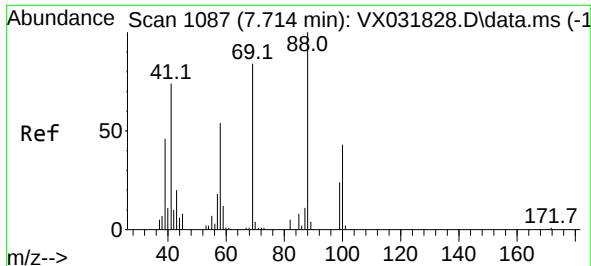
Tgt Ion: 43 Resp: 66300
Ion Ratio Lower Upper
43 100
61 22.2 15.3 22.9
87 17.9 10.6 15.8#



#48
Methyl methacrylate
Concen: 56.375 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

Tgt Ion: 41 Resp: 61436
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 55.1 51.4 77.0





#49

1,4-Dioxane

Concen: 4.162 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.085 min

Lab File: VX031851.D

Acq: 03 Oct 2022 22:07

Instrument :

MSVOA_X

ClientSampleId :

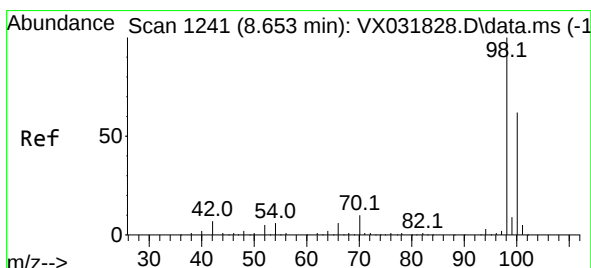
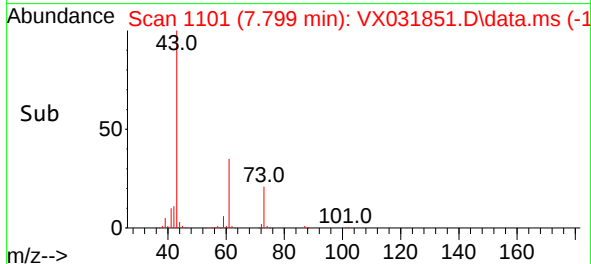
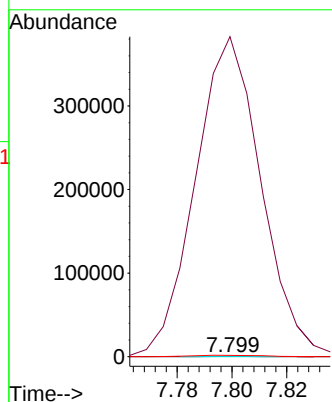
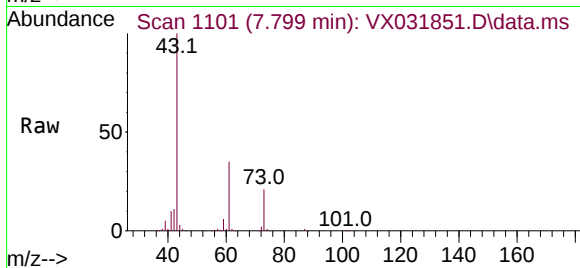
Tgt Ion: 88 Resp: 147

Ion Ratio Lower Upper

88 100

43 437048.3 27.1 40.7#

58 2104.1 53.9 80.9#



#50

Toluene-d8

Concen: 49.104 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX031851.D

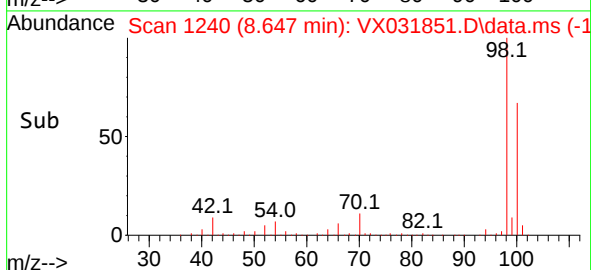
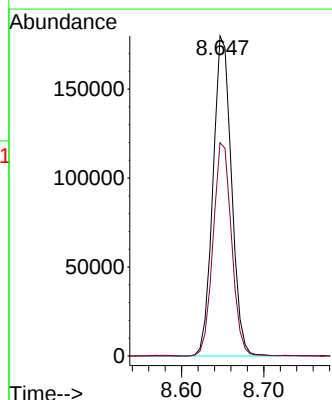
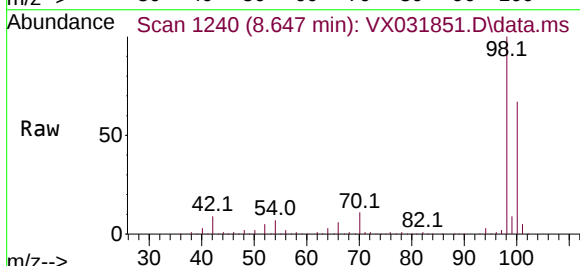
Acq: 03 Oct 2022 22:07

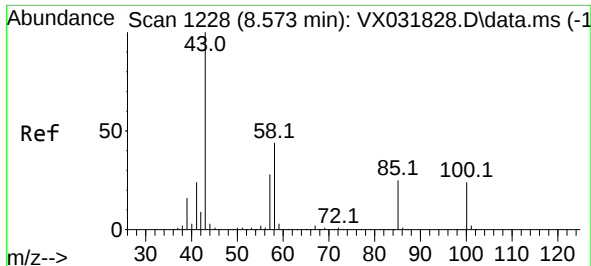
Tgt Ion: 98 Resp: 281886

Ion Ratio Lower Upper

98 100

100 66.7 52.5 78.7

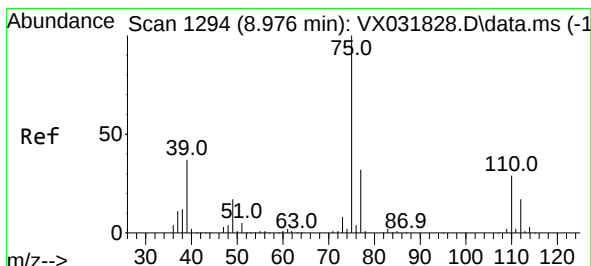
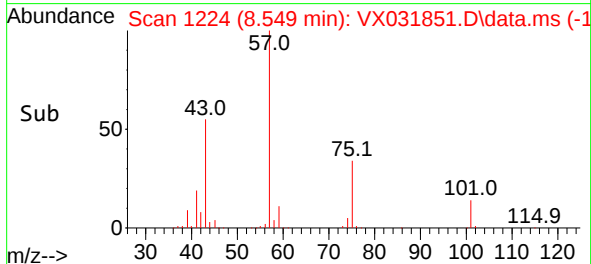
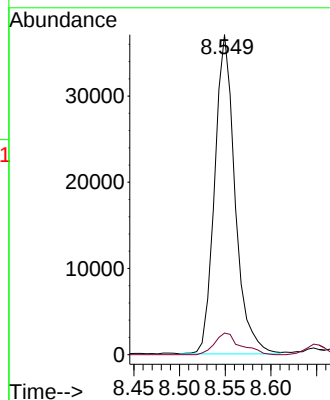
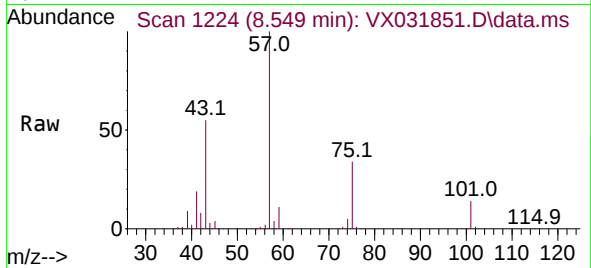




#51
4-Methyl-2-Pentanone
Concen: 37.630 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

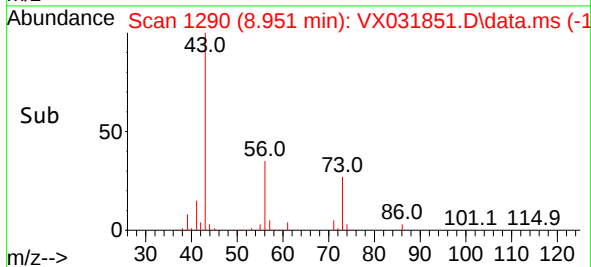
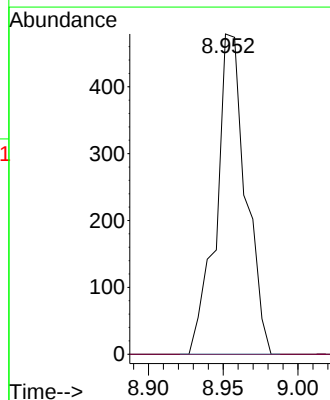
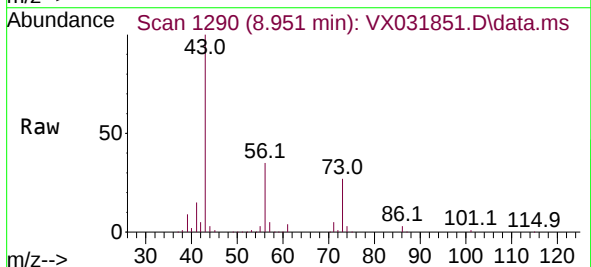
Instrument :
MSVOA_X
ClientSampleId :

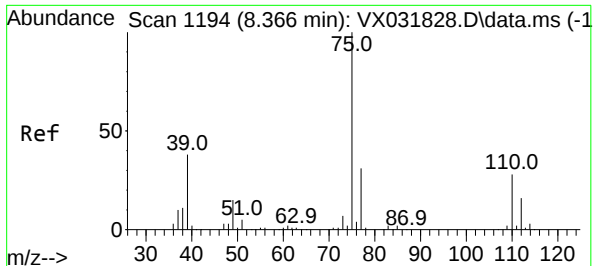
Tgt Ion: 43 Resp: 57524
Ion Ratio Lower Upper
43 100
58 8.5 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.307 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

Tgt Ion: 75 Resp: 658
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#

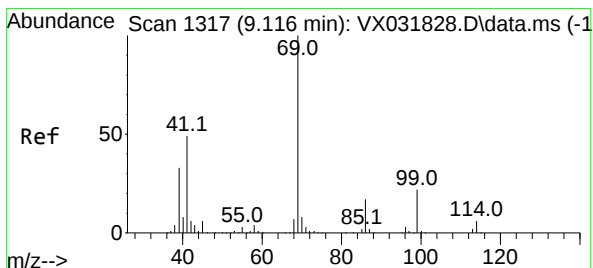
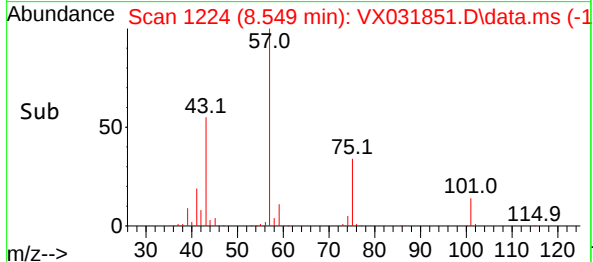
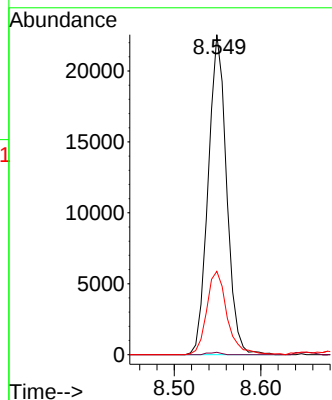
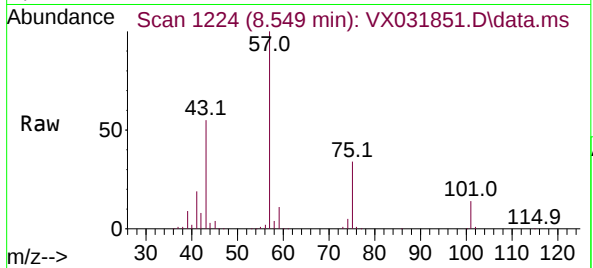




#54
 cis-1,3-Dichloropropene
 Concen: 14.204 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX031851.D
 Acq: 03 Oct 2022 22:07

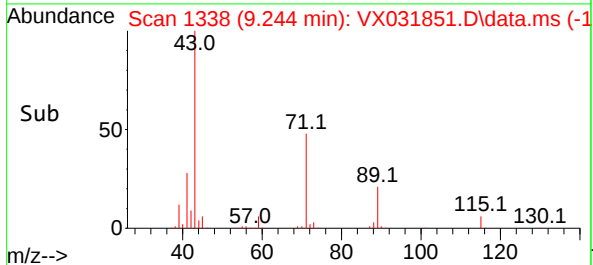
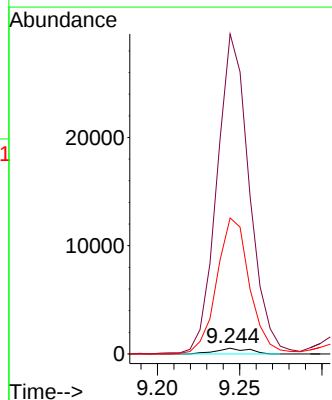
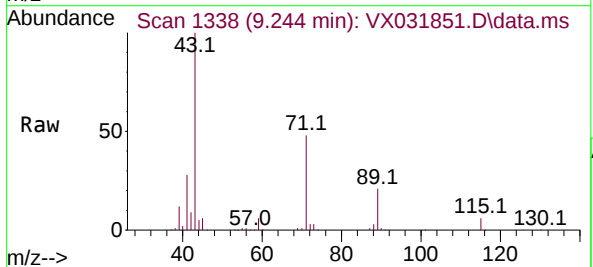
Instrument :
 MSVOA_X
 ClientSampleId :

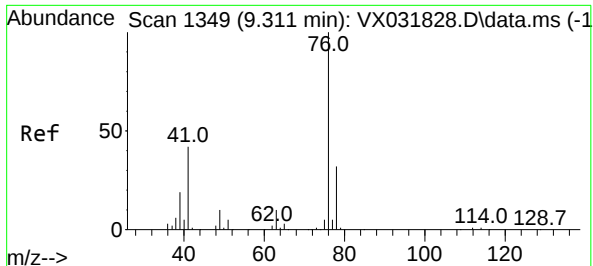
Tgt Ion: 75 Resp: 33341
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.4 36.6#
 39 26.1 43.7 65.5#



#56
 Ethyl methacrylate
 Concen: 0.402 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX031851.D
 Acq: 03 Oct 2022 22:07

Tgt Ion: 69 Resp: 746
 Ion Ratio Lower Upper
 69 100
 41 5456.8 54.2 81.4#
 39 2349.7 34.2 51.2#





#57

1,3-Dichloropropane

Concen: 1.759 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX031851.D

Acq: 03 Oct 2022 22:07

Instrument :

MSVOA_X

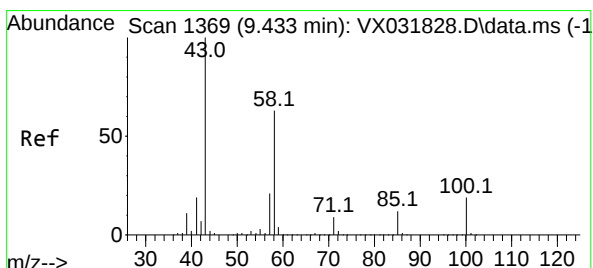
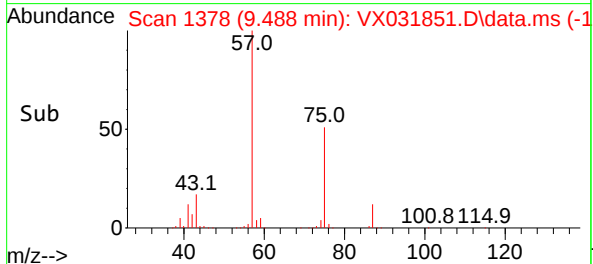
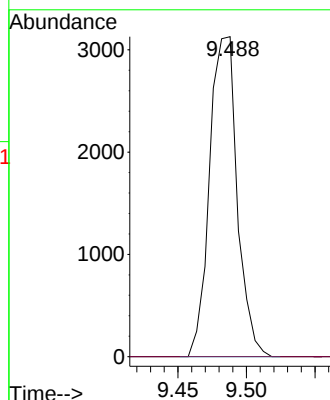
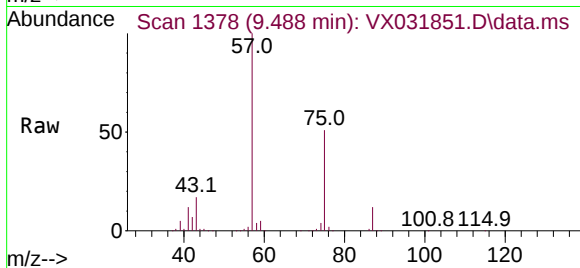
ClientSampleId :

Tgt Ion: 76 Resp: 4387

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 41.867 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX031851.D

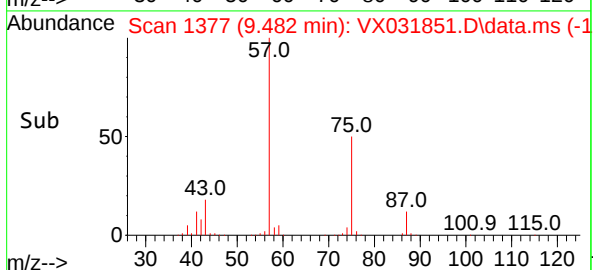
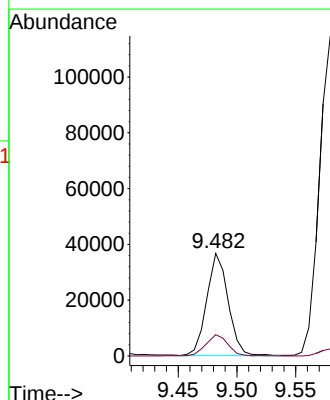
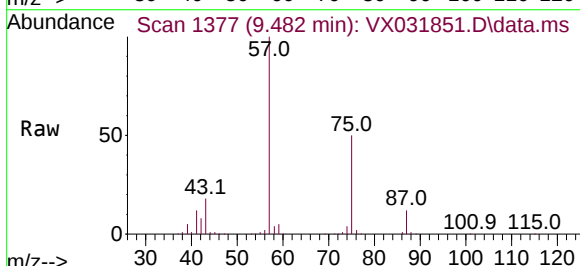
Acq: 03 Oct 2022 22:07

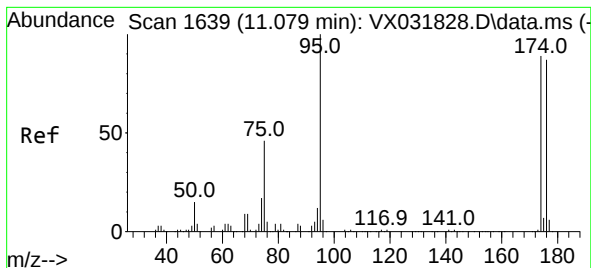
Tgt Ion: 43 Resp: 46528

Ion Ratio Lower Upper

43 100

58 21.6 26.7 80.0#





#62

4-Bromofluorobenzene

Concen: 48.027 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031851.D

Acq: 03 Oct 2022 22:07

Instrument :

MSVOA_X

ClientSampleId :

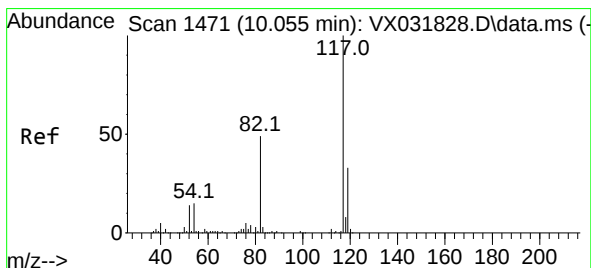
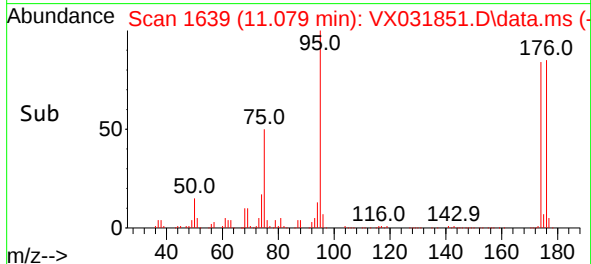
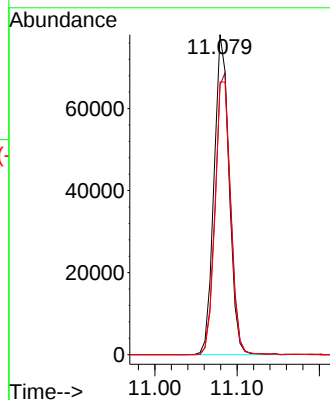
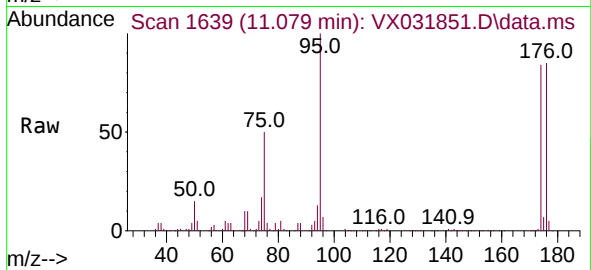
Tgt Ion: 95 Resp: 99284

Ion Ratio Lower Upper

95 100

174 90.2 0.0 153.2

176 88.1 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: VX031851.D

Acq: 03 Oct 2022 22:07

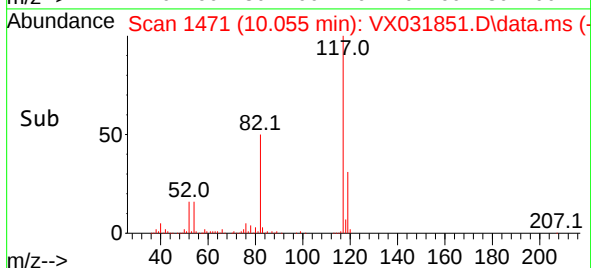
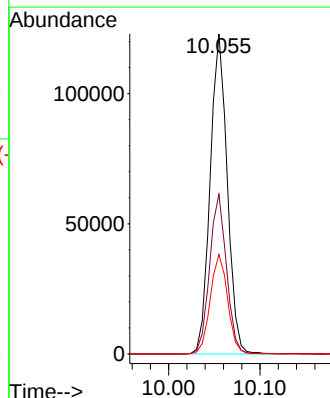
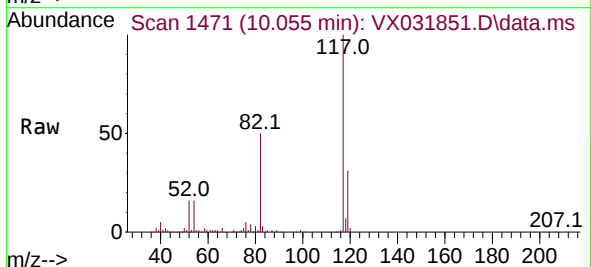
Tgt Ion: 117 Resp: 159541

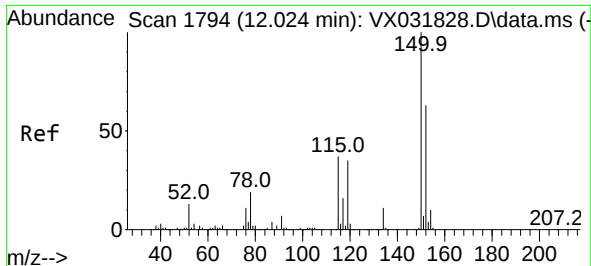
Ion Ratio Lower Upper

117 100

82 49.9 46.8 70.2

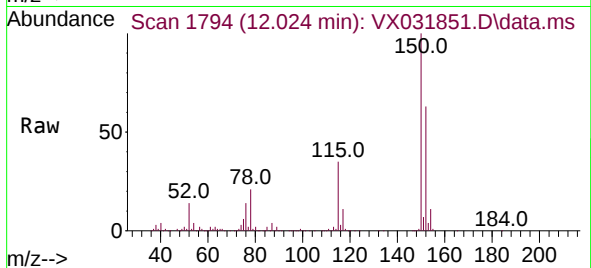
119 31.1 26.4 39.6



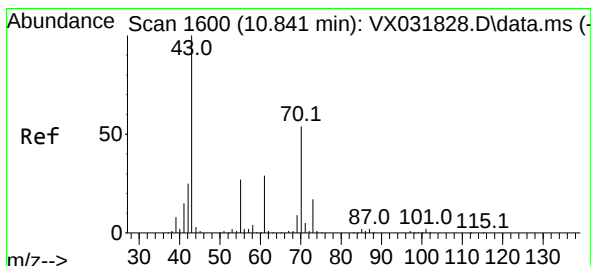
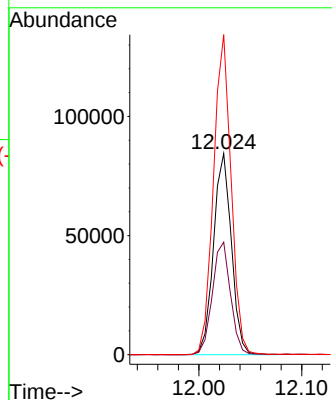
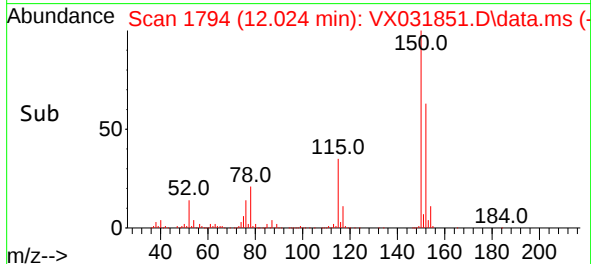


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

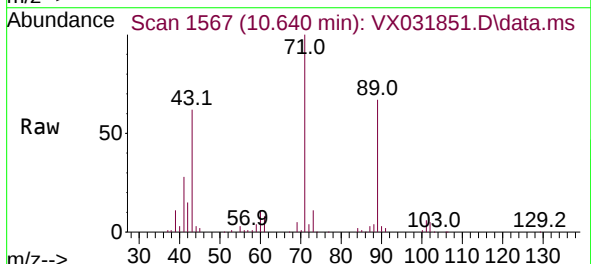
Instrument :
MSVOA_X
ClientSampleId :



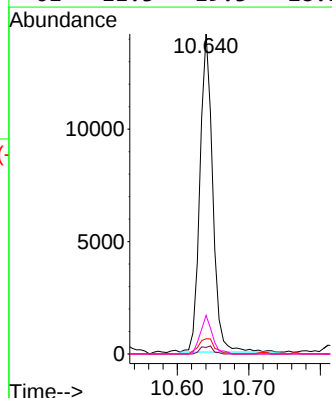
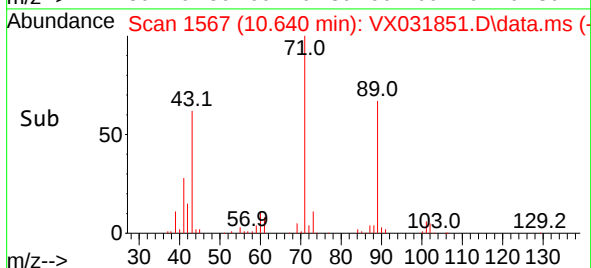
Tgt Ion:152 Resp: 102228
Ion Ratio Lower Upper
152 100
115 56.9 43.4 130.1
150 156.8 0.0 346.8

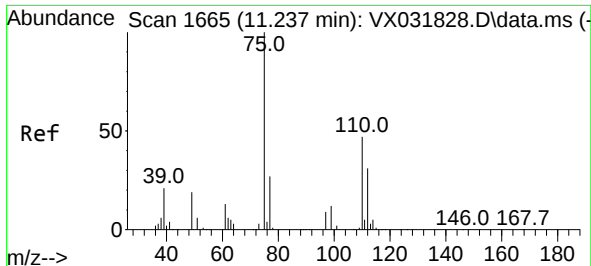


#74
N-ethyl acetate
Concen: 10.381 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07



Tgt Ion: 43 Resp: 17557
Ion Ratio Lower Upper
43 100
70 2.5 33.4 50.2#
55 6.0 18.2 27.2#
61 11.3 19.3 28.9#

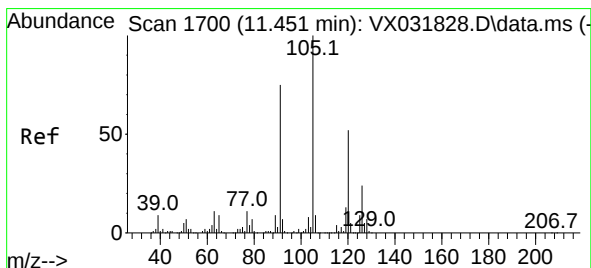
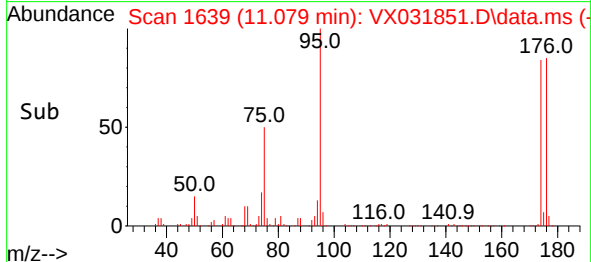
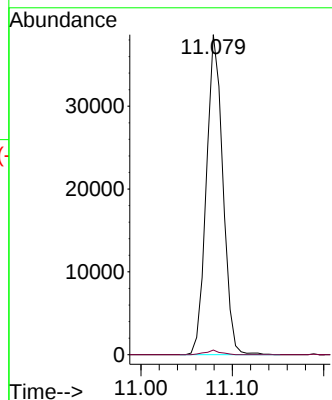
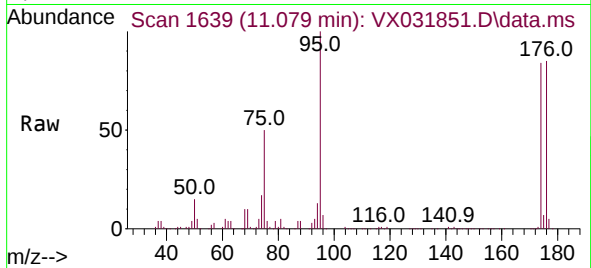




#76
1,2,3-Trichloropropane
Concen: 25.972 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

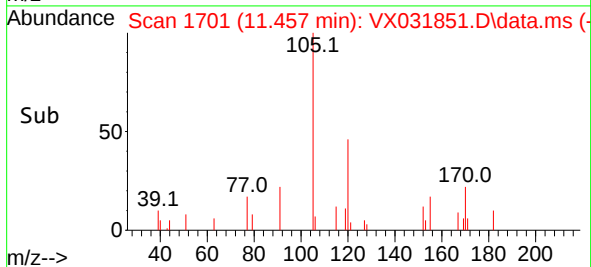
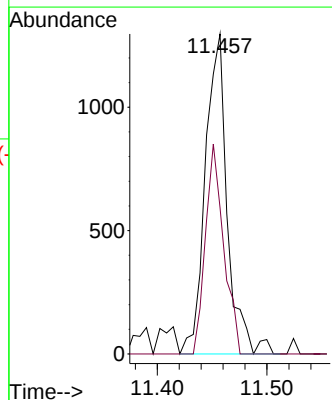
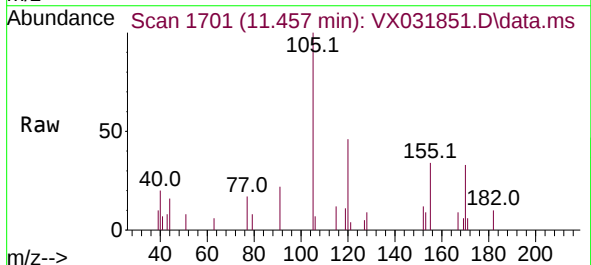
Instrument :
MSVOA_X
ClientSampleId :

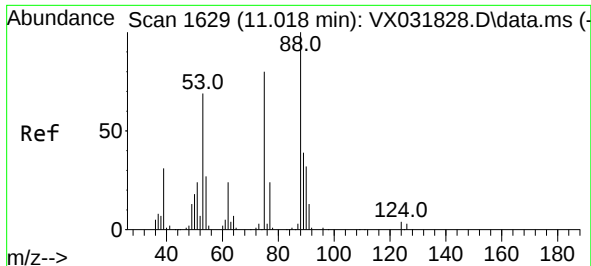
Tgt Ion: 75 Resp: 48306
Ion Ratio Lower Upper
75 100
77 1.3 20.3 60.9#



#80
1,3,5-Trimethylbenzene
Concen: 0.300 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

Tgt Ion: 105 Resp: 1809
Ion Ratio Lower Upper
105 100
120 54.3 24.5 73.5

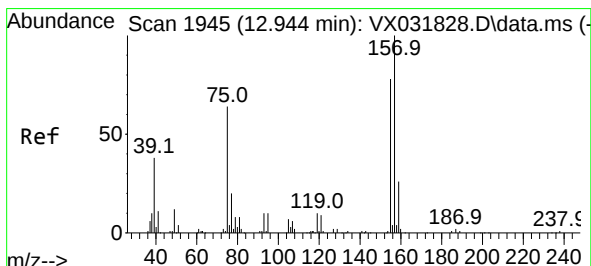
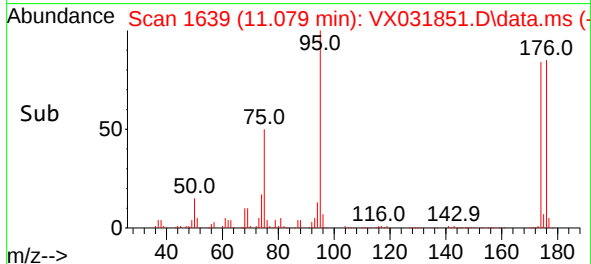
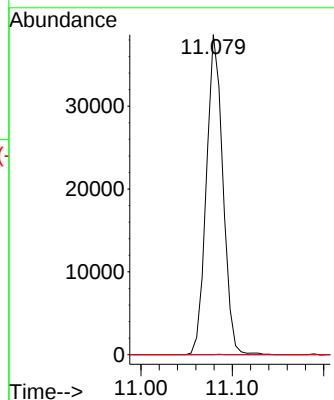
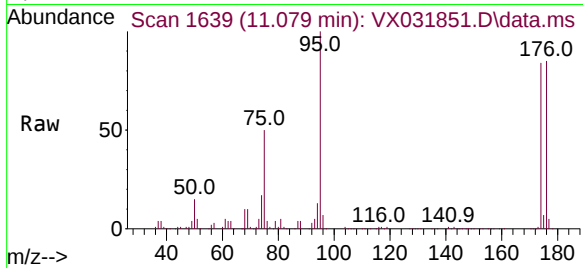




#81
trans-1,4-Dichloro-2-butene
Concen: 89.158 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 48306
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.750 ug/l
RT: 13.146 min Scan# 1978
Delta R.T. 0.201 min
Lab File: VX031851.D
Acq: 03 Oct 2022 22:07

Tgt Ion: 75 Resp: 324
Ion Ratio Lower Upper
75 100
155 23.8 40.3 120.8#
157 0.0 51.5 154.5#

