

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
 Data File : VX033773.D
 Acq On : 18 Jan 2023 14:33
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jan 19 03:23:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 18 14:40:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	15015	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	102464	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	107380	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	36988	31.832	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.100%
60) 4-Bromofluorobenzene	11.079	95	56914	29.648	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.833%
63) Toluene-d8	8.647	98	106167	30.989	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	400	0.291	ug/l	85
3) Chloromethane	1.294	50	402	0.260	ug/l	98
4) Vinyl Chloride	1.374	62	316	0.208	ug/l #	66
5) Bromomethane	1.624	94	320	0.327	ug/l #	64
6) Chloroethane	1.691	64	234	0.288	ug/l #	66
7) Trichlorofluoromethane	1.892	101	571	0.254	ug/l #	75
9) 1,1,2-Trichlorotrifluo...	2.337	101	525	0.386	ug/l	88
10) 1,1-Dichloroethene	2.325	96	450	0.337	ug/l	85
11) Methyl Iodide	2.453	142	597	0.297	ug/l	93
13) Acrolein	2.239	56	464	1.781	ug/l	93
14) Acrylonitrile	3.087	53	1077	1.420	ug/l #	21
15) Acetone	2.398	58	190	0.833	ug/l #	18
16) Carbon Disulfide	2.514	76	5227	1.598	ug/l #	95
17) Allyl chloride	2.672	41	526	0.218	ug/l	88
18) Methylene Chloride	2.794	84	585	0.389	ug/l #	76
19) trans-1,2-Dichloroethene	3.099	96	924	0.643	ug/l	87
23) tert-Butyl Alcohol	3.020	59	244	0.931	ug/l #	1
29) 1,1-Dichloropropene	5.696	75	432	0.220	ug/l	87
37) Trichloroethene	7.135	130	651	0.395	ug/l #	79
38) Methylcyclohexane	7.385	83	747	0.315	ug/l	88
40) Dibromomethane	7.586	93	282	0.277	ug/l	88
42) Vinyl Acetate	3.739	43	1408	0.385	ug/l #	93
45) 1,4-Dioxane	7.738	88	22	0.659	ug/l #	18
48) t-1,3-Dichloropropene	8.988	75	420	0.206	ug/l	98
55) 2-Chloroethyl vinyl ether	8.250	63	1588	1.514	ug/l	95
58) 4-Methyl-2-Pentanone	8.574	43	407	0.211	ug/l #	75
59) 2-Hexanone	9.451	43	428	0.295	ug/l #	80
61) Tetrachloroethene	9.275	164	569	0.402	ug/l #	84
64) Chlorobenzene	10.079	112	1057	0.264	ug/l #	87
67) m/p-Xylenes	10.305	106	1161	0.428	ug/l	89
69) Styrene	10.659	104	1071	0.242	ug/l #	90
70) Isopropylbenzene	10.963	105	1413	0.204	ug/l	94
73) Bromobenzene	11.201	156	558	0.297	ug/l	92
74) n-propylbenzene	11.305	91	2412	0.306	ug/l	97
75) 2-Chlorotoluene	11.360	91	1399	0.299	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	1492	0.259	ug/l	95
78) 4-Chlorotoluene	11.457	91	2028	0.385	ug/l	94
80) 1,2,4-Trimethylbenzene	11.750	105	1483	0.260	ug/l	95
81) sec-Butylbenzene	11.890	105	2255	0.315	ug/l	94

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QLast Update : Wed Jan 18 14:40:07 2023
Response via : Initial Calibration

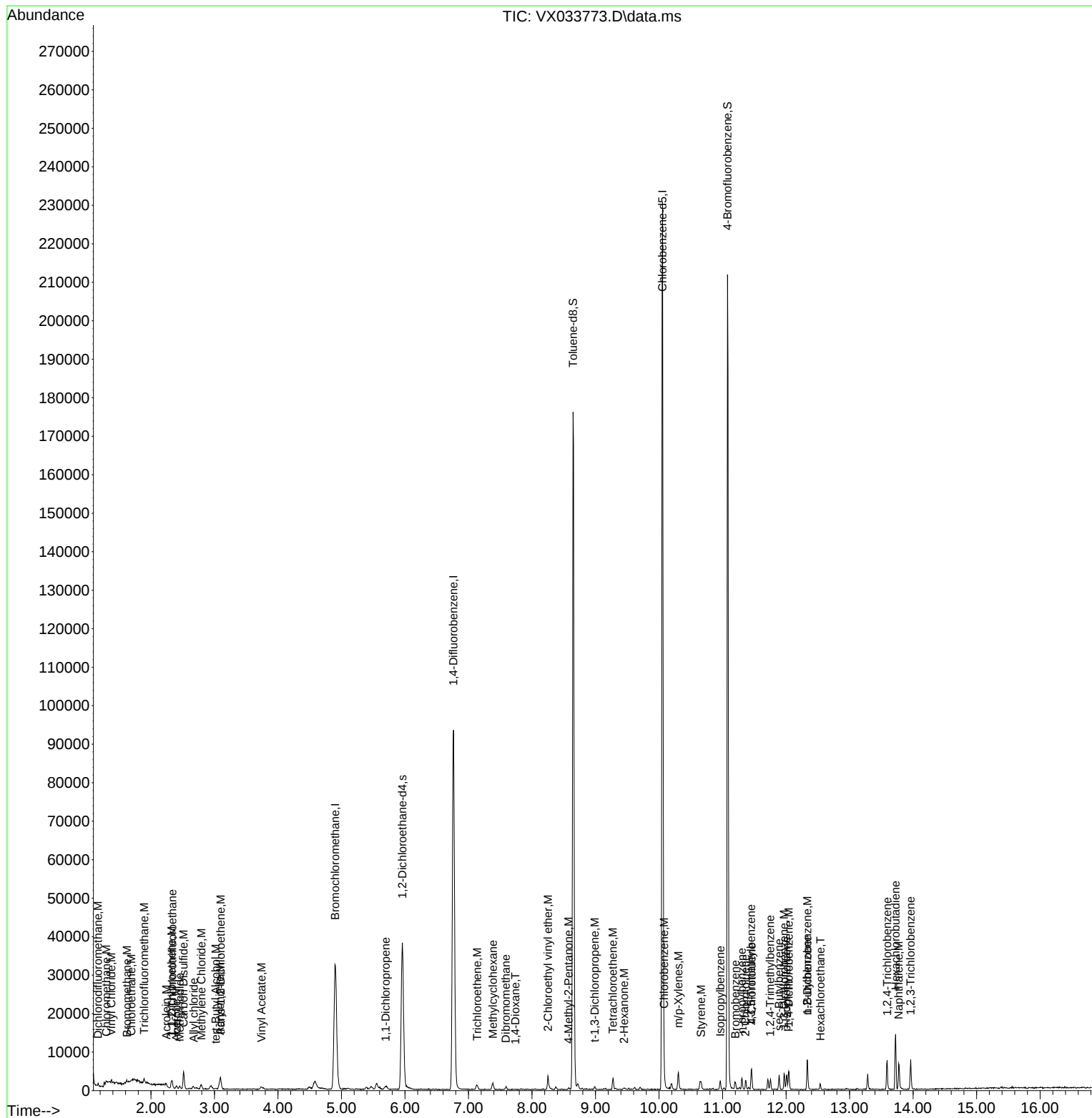
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) p-Isopropyltoluene	12.006	119	1981	0.319	ug/l	96
83) 1,3-Dichlorobenzene	11.969	146	1680	0.495	ug/l	94
84) 1,4-Dichlorobenzene	12.042	146	1966	0.578	ug/l	94
85) n-Butylbenzene	12.335	91	2361	0.468	ug/l	96
86) Hexachloroethane	12.542	117	227	0.231	ug/l	63
87) 1,2-Dichlorobenzene	12.335	146	1179	0.361	ug/l	98
89) 1,2,4-Trichlorobenzene	13.591	180	2311	1.016	ug/l	97
90) Hexachlorobutadiene	13.725	225	2480	2.324	ug/l	97
91) Naphthalene	13.774	128	5235	0.785	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	2379	1.066	ug/l	96

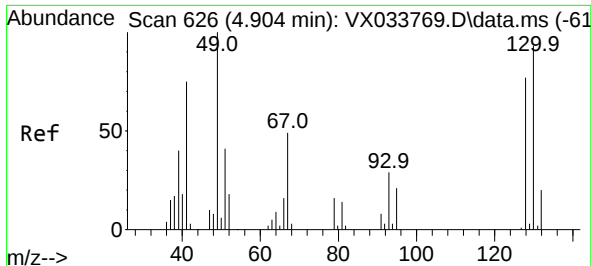
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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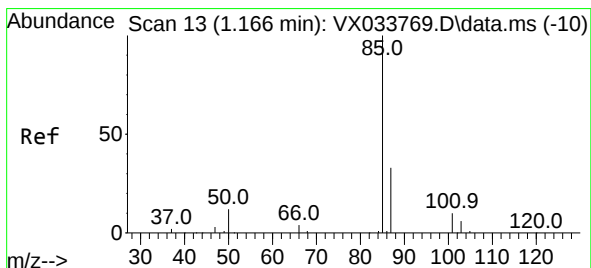
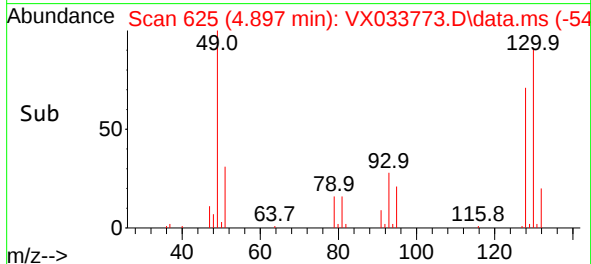
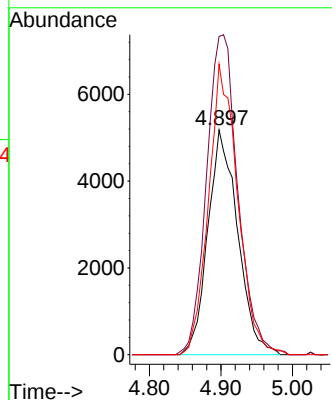
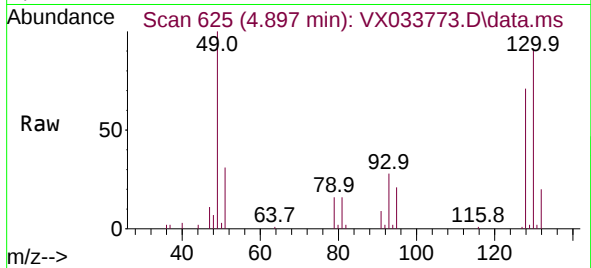




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

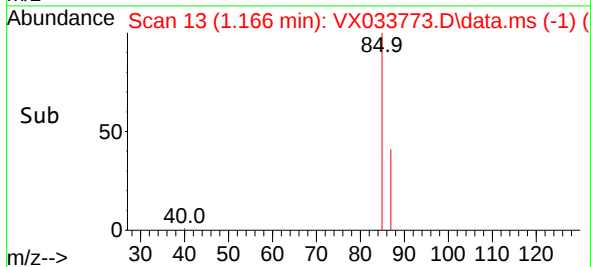
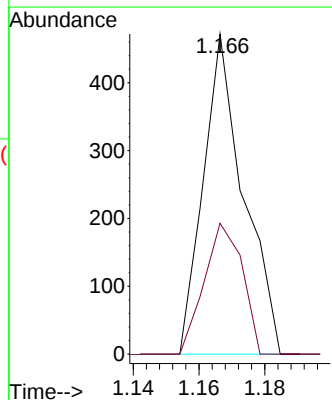
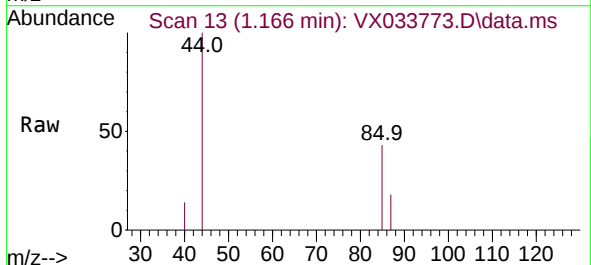
Instrument :
MSVOA_X
ClientSampleId :
IBLK

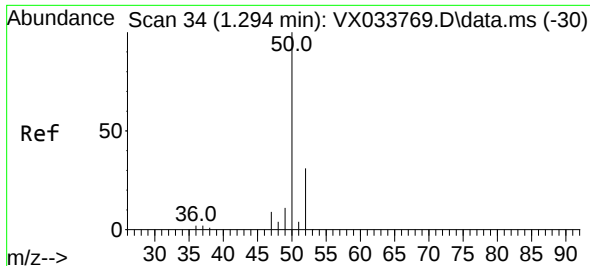
Tgt Ion:128 Resp: 15015
Ion Ratio Lower Upper
128 100
49 149.4 0.0 369.0
130 126.9 0.0 327.5



#2
Dichlorodifluoromethane
Concen: 0.291 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

Tgt Ion: 85 Resp: 400
Ion Ratio Lower Upper
85 100
87 40.9 16.4 49.1

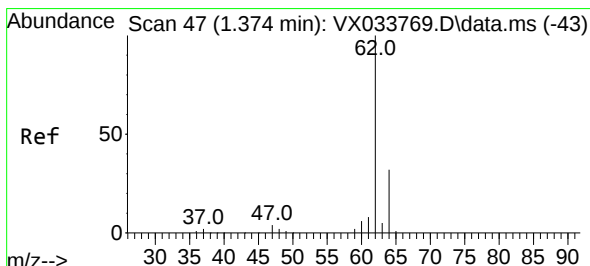
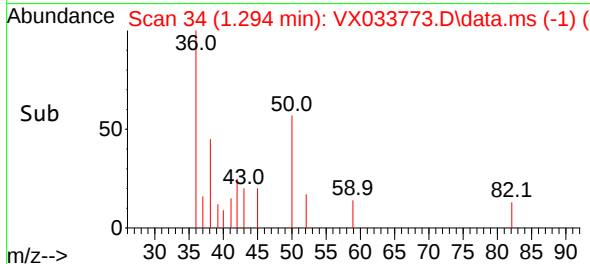
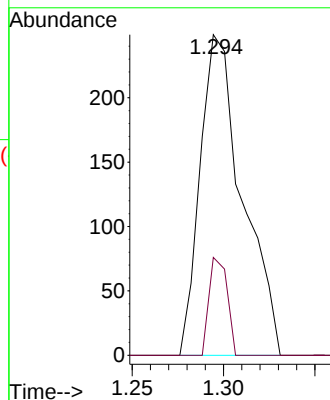
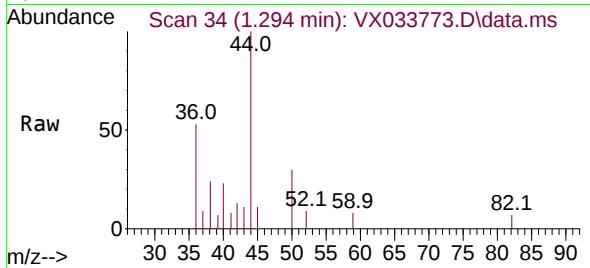




#3
Chloromethane
Concen: 0.260 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

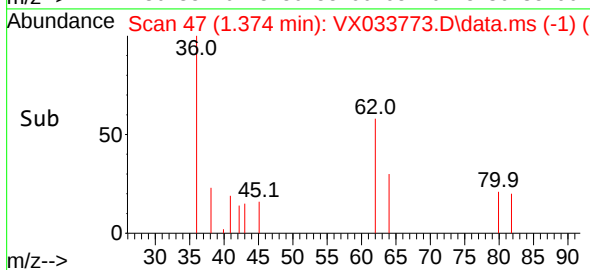
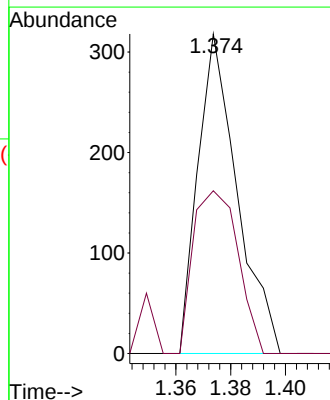
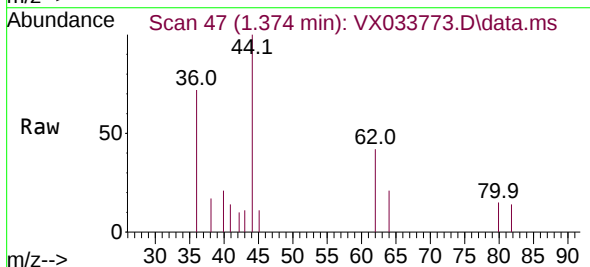
Instrument :
MSVOA_X
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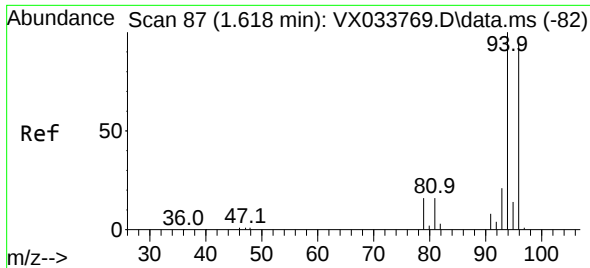
Tgt Ion: 50 Resp: 402
Ion Ratio Lower Upper
50 100
52 30.5 25.1 37.7



#4
Vinyl Chloride
Concen: 0.208 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

Tgt Ion: 62 Resp: 316
Ion Ratio Lower Upper
62 100
64 50.9 25.4 38.2#

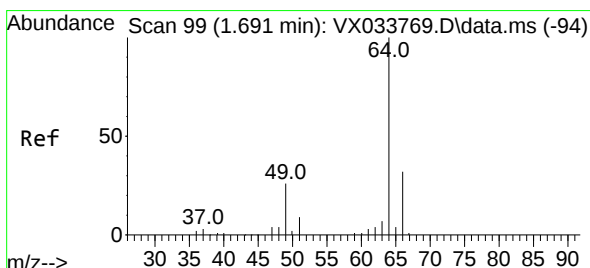
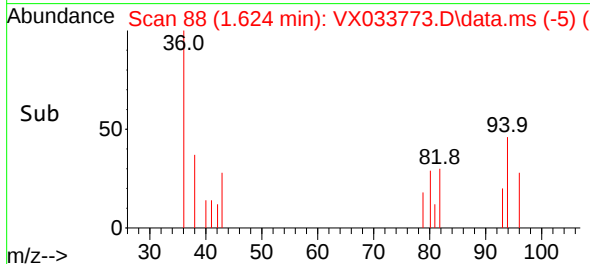
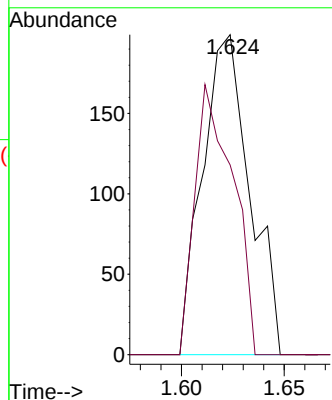
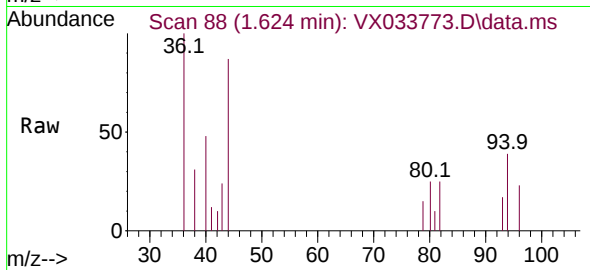




#5
Bromomethane
Concen: 0.327 ug/l
RT: 1.624 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

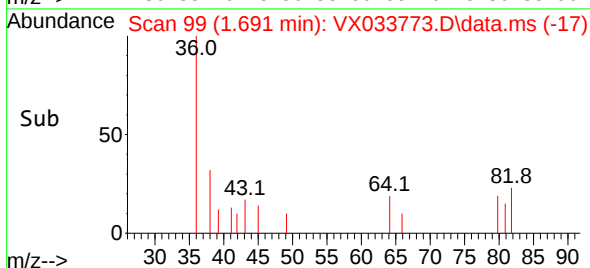
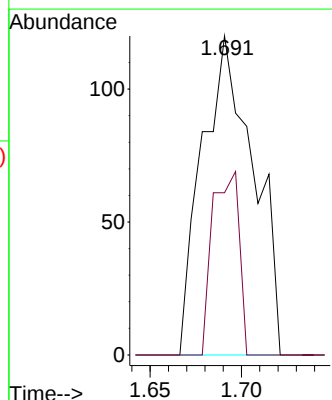
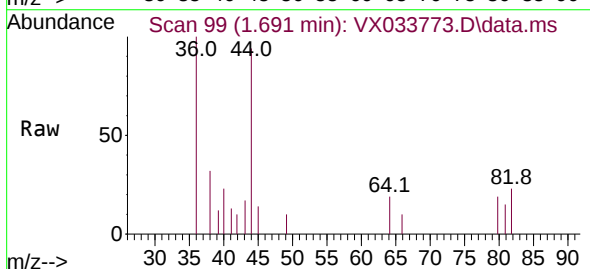
Instrument :
MSVOA_X
ClientSampleId :
IBLK

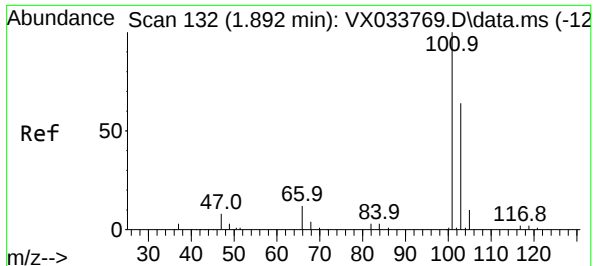
Tgt Ion: 94 Resp: 320
Ion Ratio Lower Upper
94 100
96 59.3 74.8 112.2#



#6
Chloroethane
Concen: 0.288 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

Tgt Ion: 64 Resp: 234
Ion Ratio Lower Upper
64 100
66 50.8 25.4 38.0#

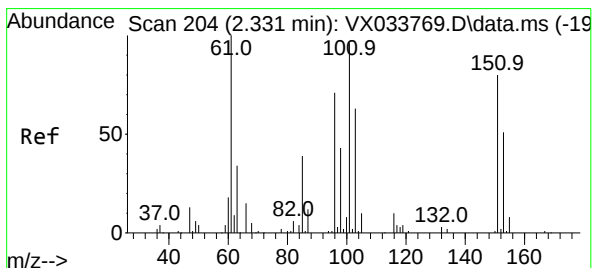
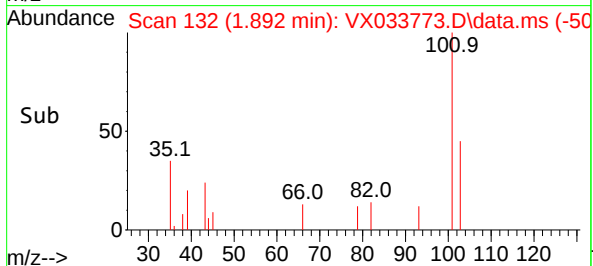
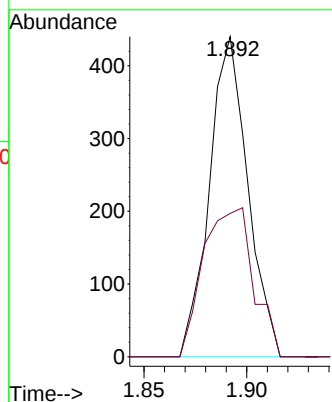
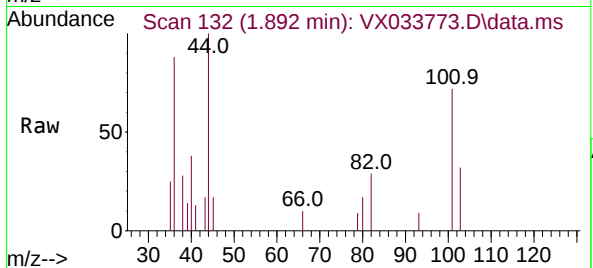




#7
 Trichlorofluoromethane
 Concen: 0.254 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX033773.D
 Acq: 18 Jan 2023 14:33

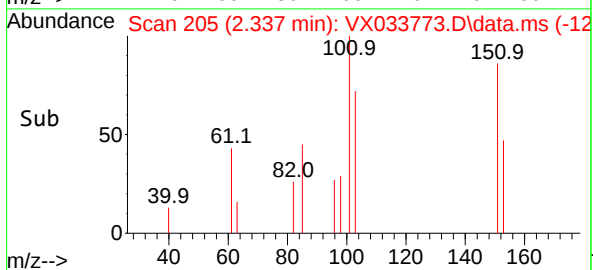
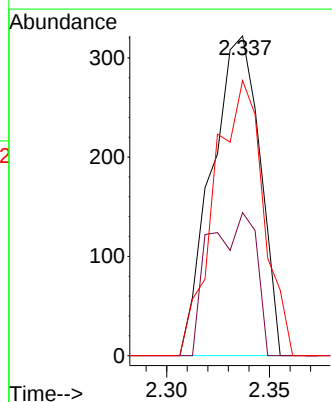
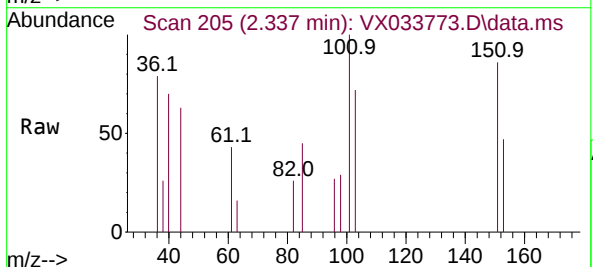
Instrument :
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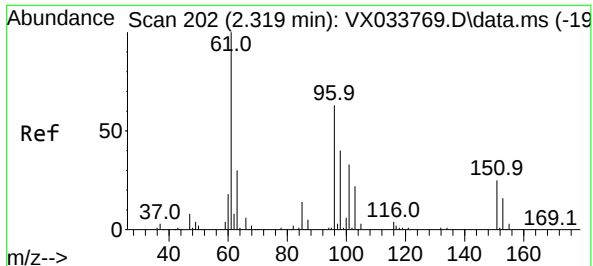
Tgt Ion:101 Resp: 571
 Ion Ratio Lower Upper
 101 100
 103 44.8 51.4 77.0#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.386 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. 0.006 min
 Lab File: VX033773.D
 Acq: 18 Jan 2023 14:33

Tgt Ion:101 Resp: 525
 Ion Ratio Lower Upper
 101 100
 85 18.9 0.0 83.0
 151 87.4 0.0 174.6





#10

1,1-Dichloroethene

Concen: 0.337 ug/l

RT: 2.325 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

Instrument :

MSVOA_X

ClientSampleId :

IBLK

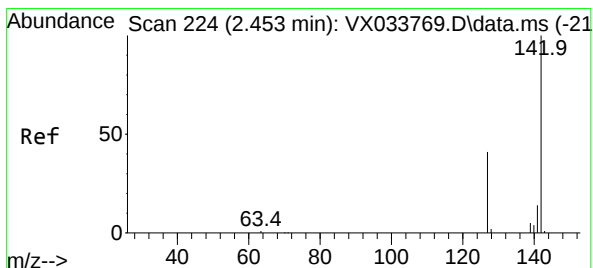
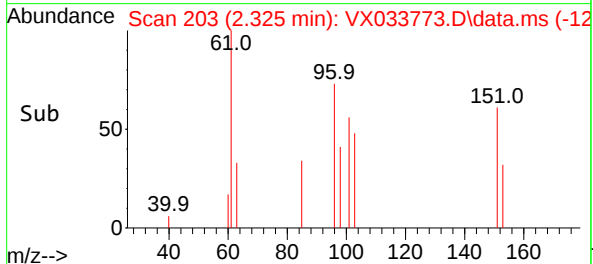
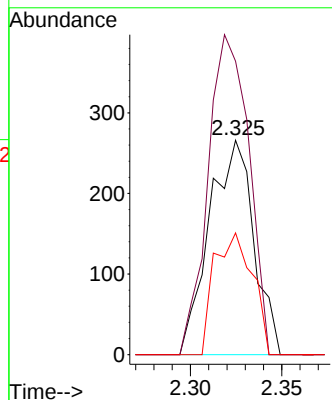
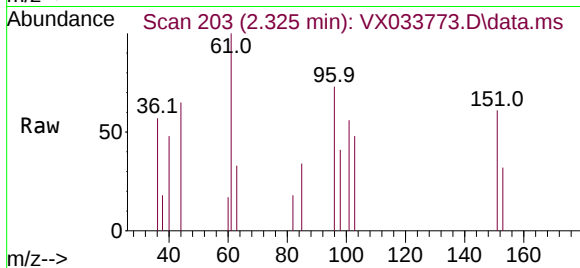
Tgt Ion: 96 Resp: 450

Ion Ratio Lower Upper

96 100

61 136.8 127.5 191.3

98 56.8 51.1 76.7



#11

Methyl Iodide

Concen: 0.297 ug/l

RT: 2.453 min Scan# 224

Delta R.T. -0.000 min

Lab File: VX033773.D

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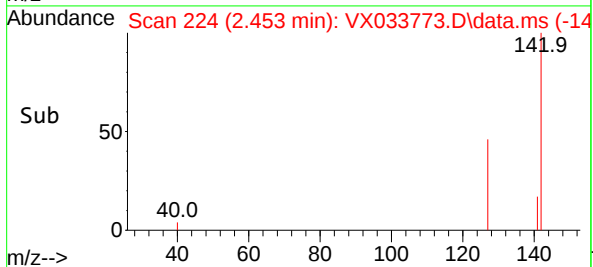
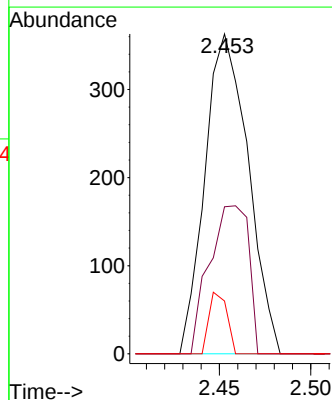
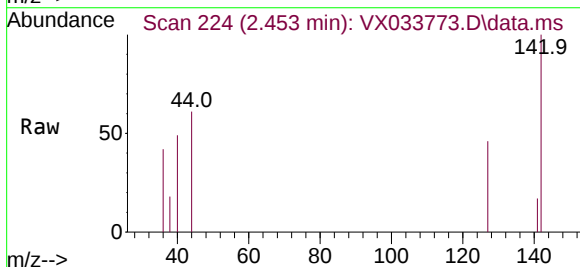
Tgt Ion: 142 Resp: 597

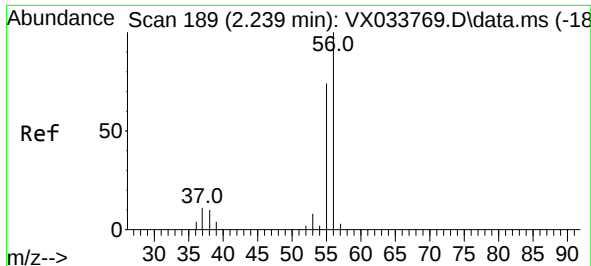
Ion Ratio Lower Upper

142 100

127 46.0 20.7 62.1

141 16.5 7.0 21.0





#13

Acrolein

Concen: 1.781 ug/l

RT: 2.239 min Scan# 11

Delta R.T. -0.000 min

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Acq: 18 Jan 2023 14:33

Instrument :

MSVOA_X

ClientSampleId :

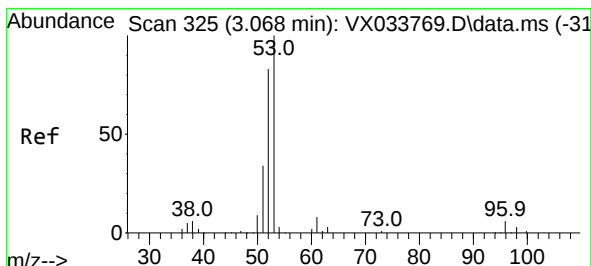
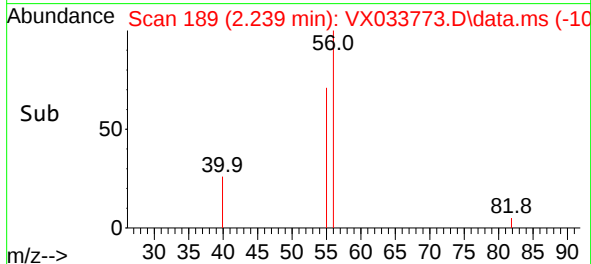
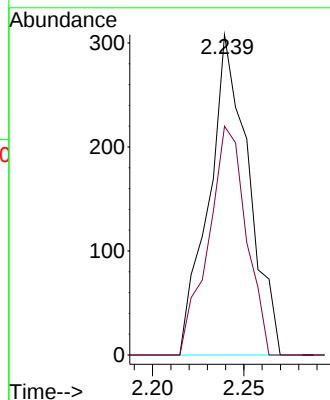
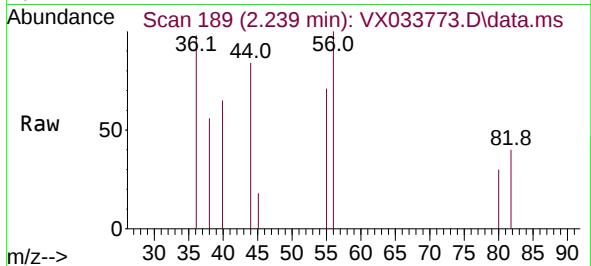
IBLK

Tgt Ion: 56 Resp: 464

Ion Ratio Lower Upper

56 100

55 67.9 58.8 88.2



#14

Acrylonitrile

Concen: 1.420 ug/l

RT: 3.087 min Scan# 328

Delta R.T. 0.018 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

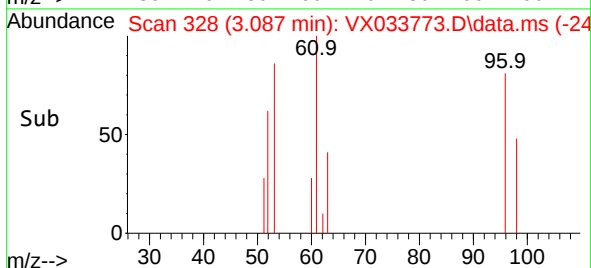
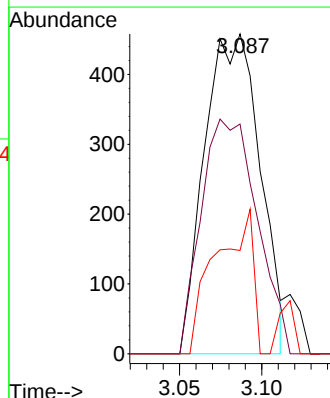
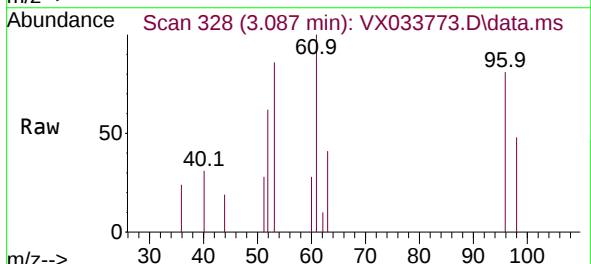
Tgt Ion: 53 Resp: 1077

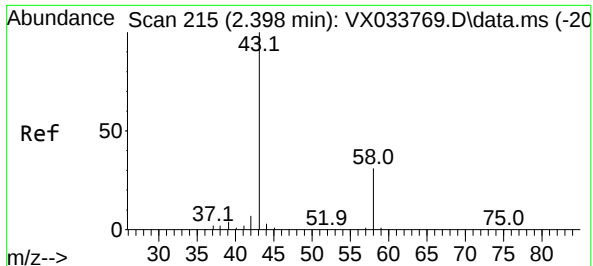
Ion Ratio Lower Upper

53 100

52 0.0 41.0 123.2#

51 7.1 17.6 52.8#





#15

Acetone

Concen: 0.833 ug/l

RT: 2.398 min Scan# 215

Delta R.T. -0.000 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

Instrument :

MSVOA_X

ClientSampleId :

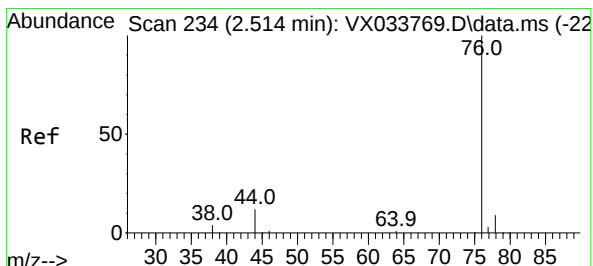
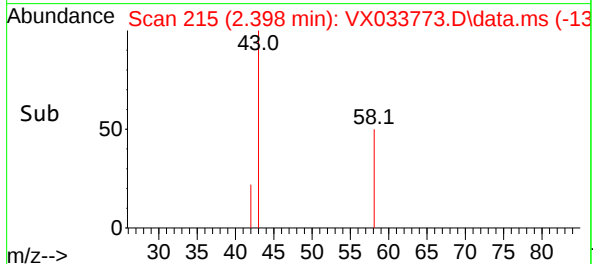
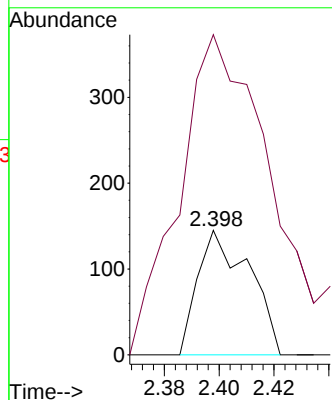
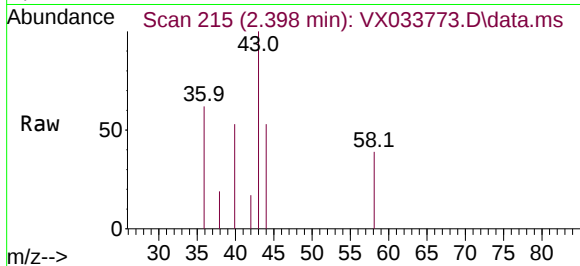
IBLK

Tgt Ion: 58 Resp: 190

Ion Ratio Lower Upper

58 100

43 153.8 258.6 388.0#



#16

Carbon Disulfide

Concen: 1.598 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX033773.D

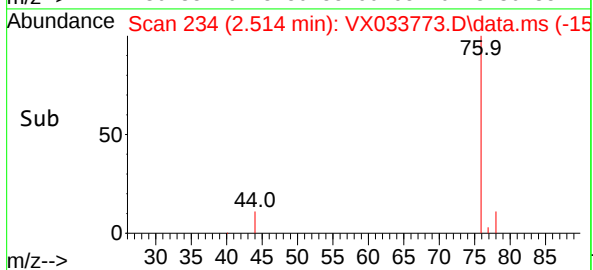
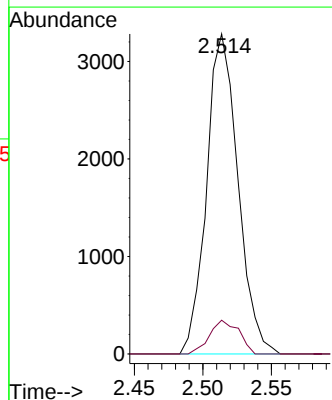
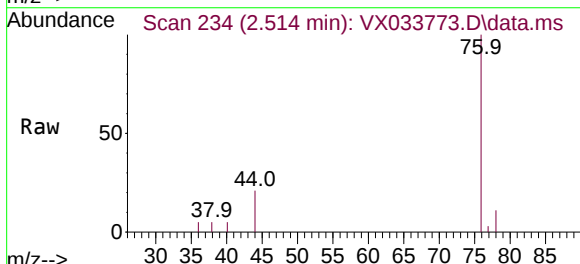
Acq: 18 Jan 2023 14:33

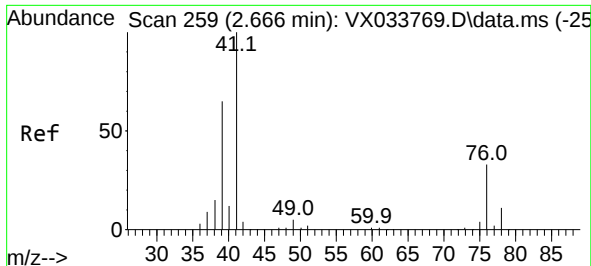
Tgt Ion: 76 Resp: 5227

Ion Ratio Lower Upper

76 100

78 10.5 6.9 10.3#





#17

Allyl chloride

Concen: 0.218 ug/l

RT: 2.672 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

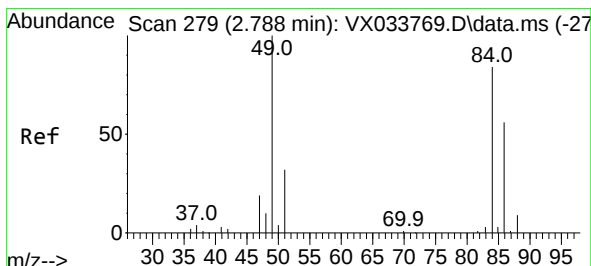
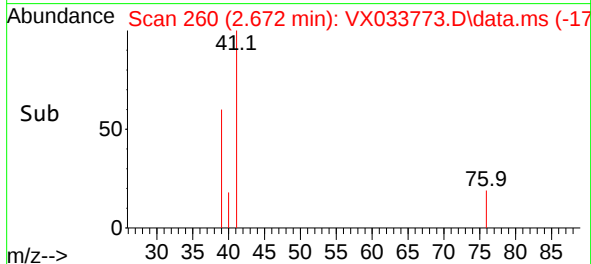
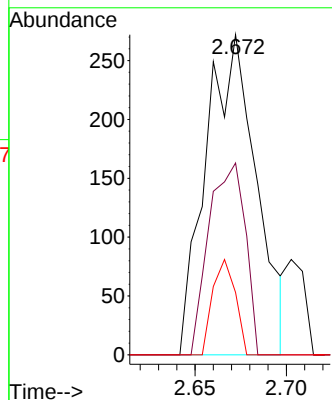
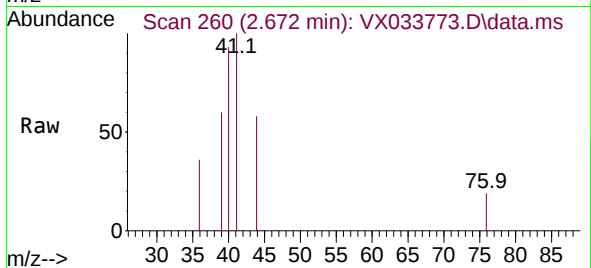
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:	41	Resp:	526
Ion	Ratio	Lower	Upper
41	100		
39	59.9	32.5	97.4
76	19.5	16.6	49.8



#18

Methylene Chloride

Concen: 0.389 ug/l

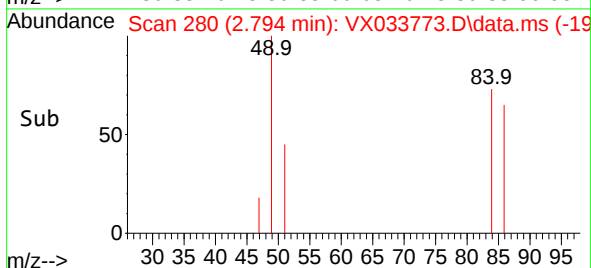
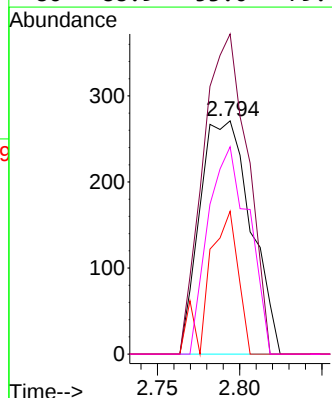
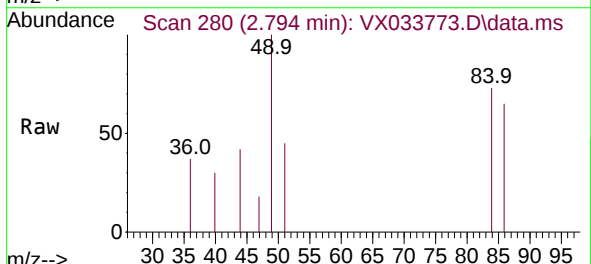
RT: 2.794 min Scan# 280

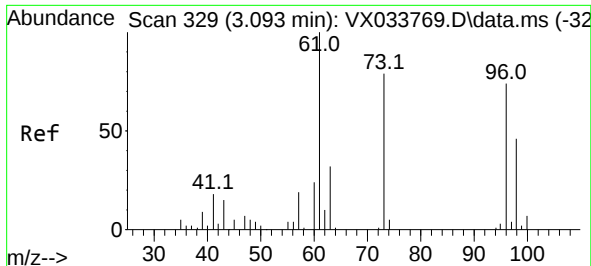
Delta R.T. 0.006 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

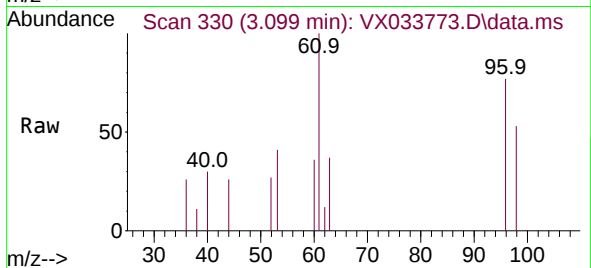
Tgt Ion:	84	Resp:	585
Ion	Ratio	Lower	Upper
84	100		
49	137.3	95.0	142.6
51	61.3	30.3	45.5#
86	88.9	53.0	79.4#





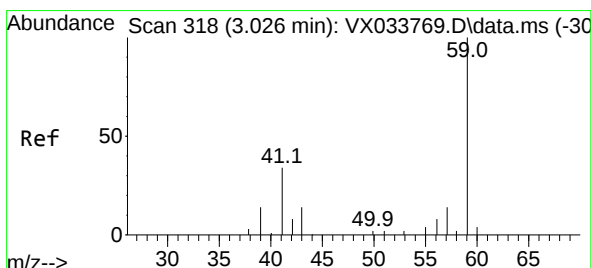
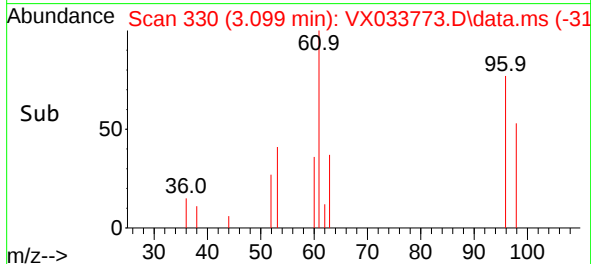
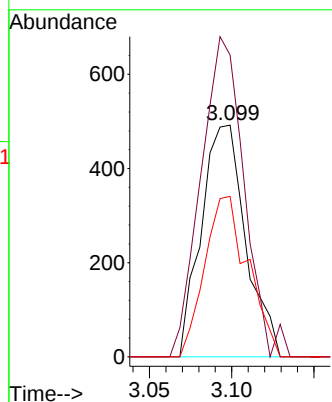
#19
trans-1,2-Dichloroethene
Concen: 0.643 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

Instrument :
MSVOA_X
ClientSampleId :
IBLK



Tgt Ion: 96 Resp: 924

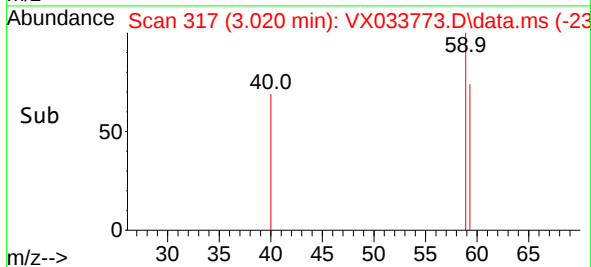
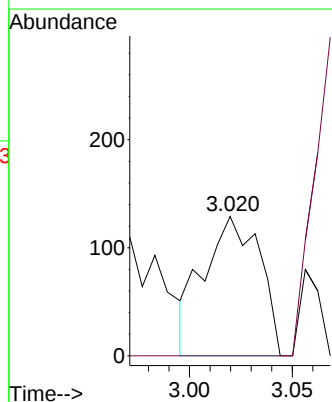
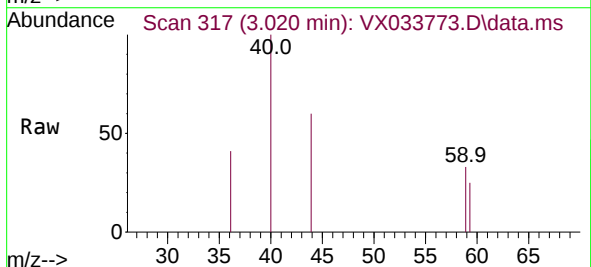
Ion	Ratio	Lower	Upper
96	100		
61	117.7	107.7	161.5
98	69.3	49.8	74.6

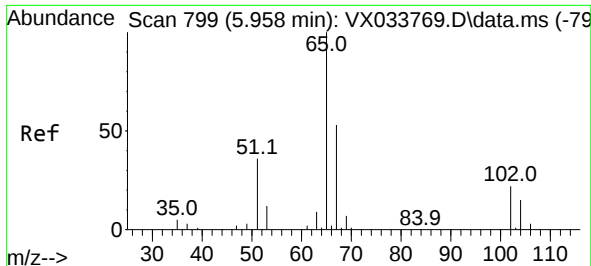


#23
tert-Butyl Alcohol
Concen: 0.931 ug/l
RT: 3.020 min Scan# 317
Delta R.T. -0.006 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

Tgt Ion: 59 Resp: 244

Ion	Ratio	Lower	Upper
59	100		
52	0.0	186.7	280.1#

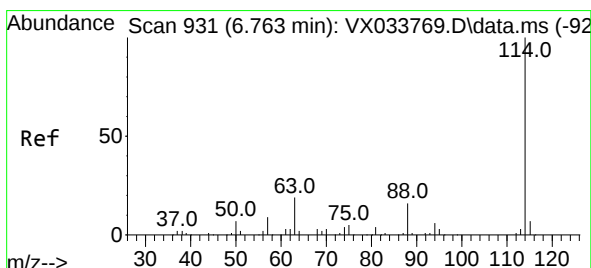
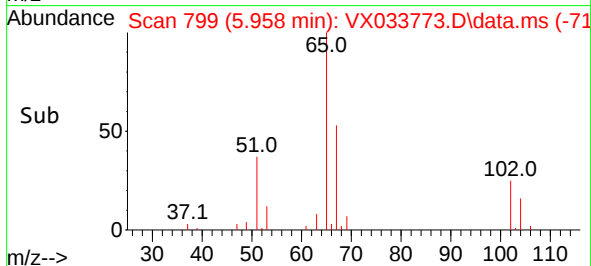
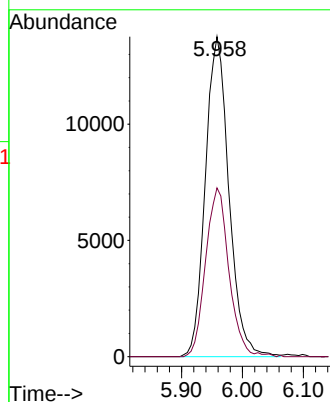
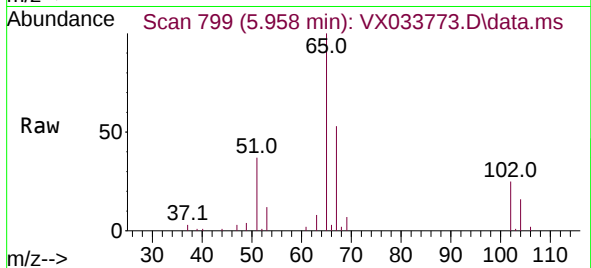




#27
 1,2-Dichloroethane-d4
 Concen: 31.832 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX033773.D
 Acq: 18 Jan 2023 14:33

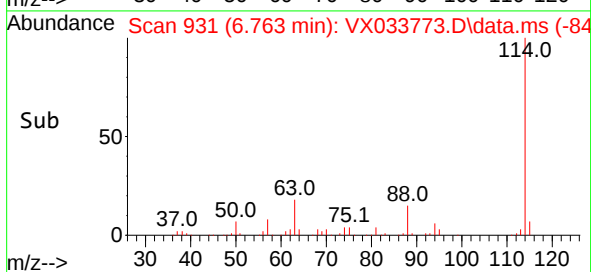
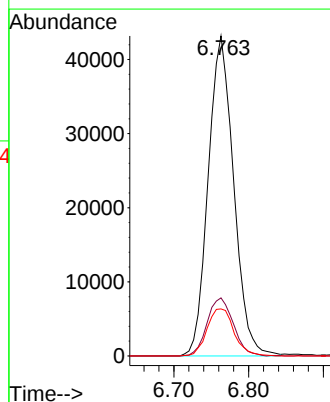
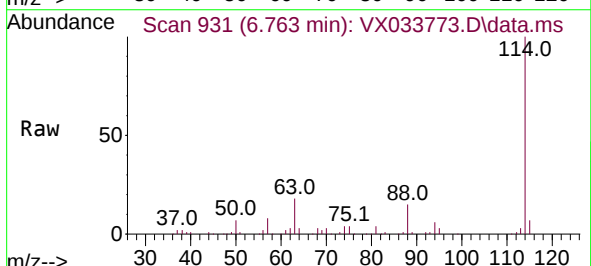
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

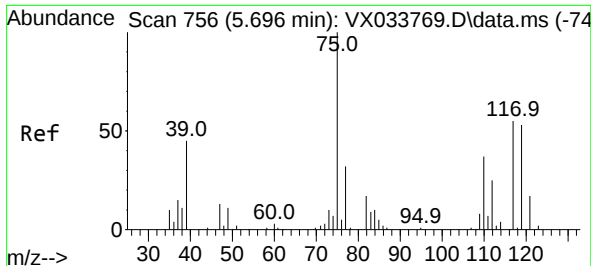
Tgt Ion: 65 Resp: 36988
 Ion Ratio Lower Upper
 65 100
 67 51.7 43.0 64.4



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX033773.D
 Acq: 18 Jan 2023 14:33

Tgt Ion: 114 Resp: 102464
 Ion Ratio Lower Upper
 114 100
 63 18.6 15.2 22.8
 88 15.6 12.4 18.6





#29

1,1-Dichloropropene

Concen: 0.220 ug/l

RT: 5.696 min Scan# 756

Delta R.T. -0.000 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

Instrument :

MSVOA_X

ClientSampleId :

IBLK

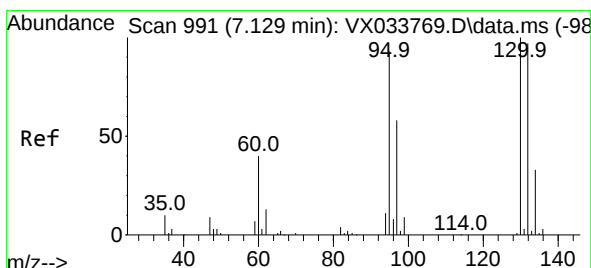
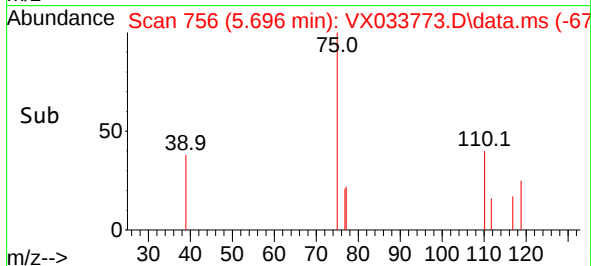
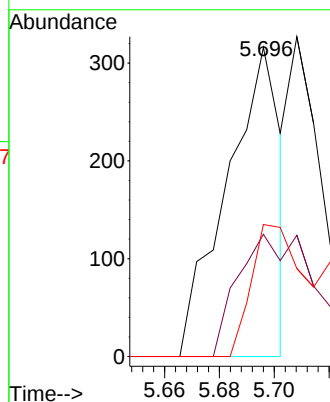
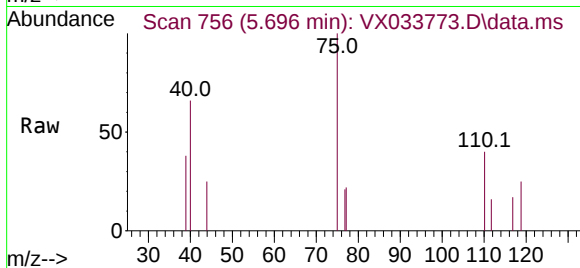
Tgt Ion: 75 Resp: 432

Ion Ratio Lower Upper

75 100

110 32.9 0.0 75.8

77 41.0 0.0 62.4



#37

Trichloroethene

Concen: 0.395 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX033773.D

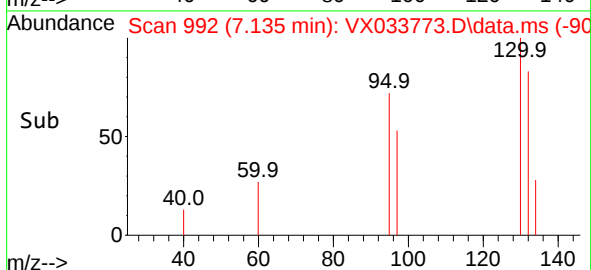
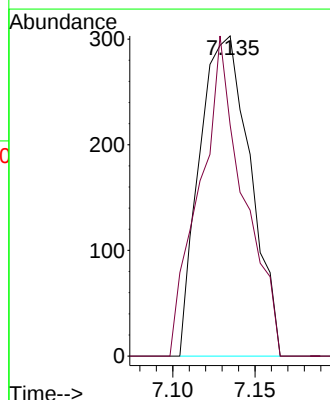
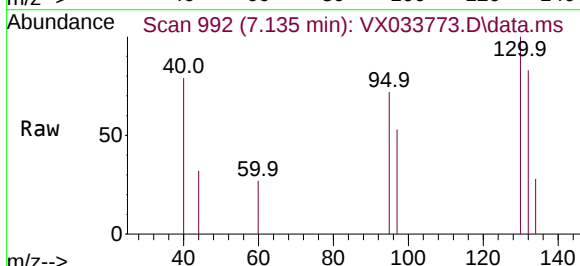
Acq: 18 Jan 2023 14:33

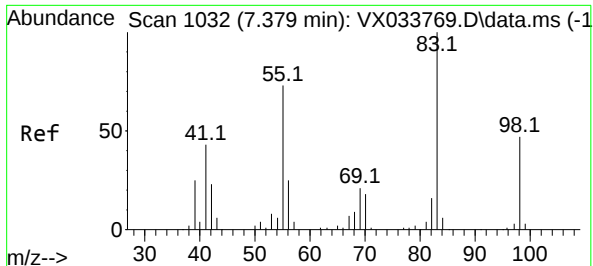
Tgt Ion:130 Resp: 651

Ion Ratio Lower Upper

130 100

95 72.3 74.1 111.1#

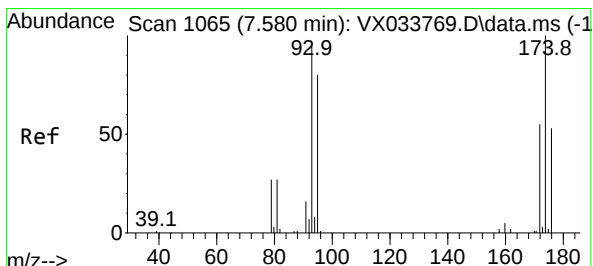
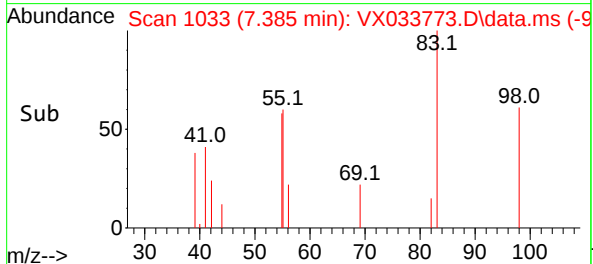
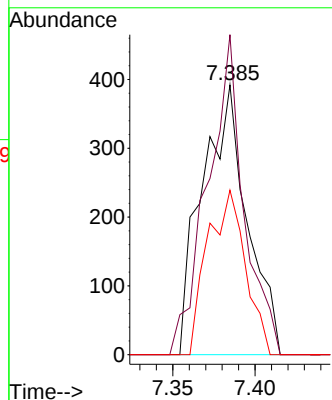
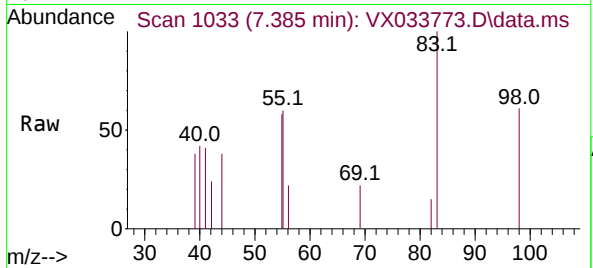




#38
Methylcyclohexane
Concen: 0.315 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

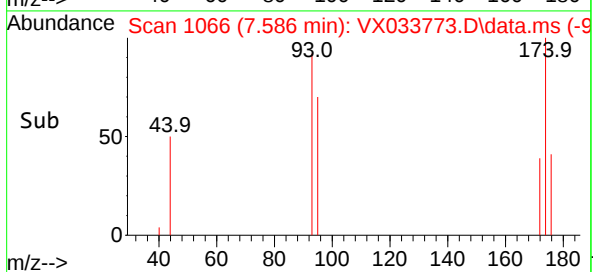
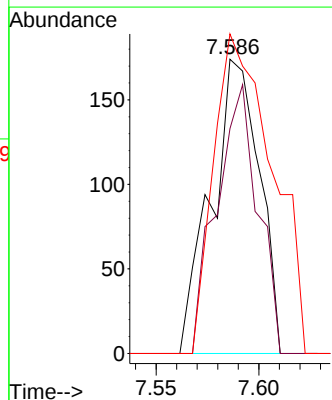
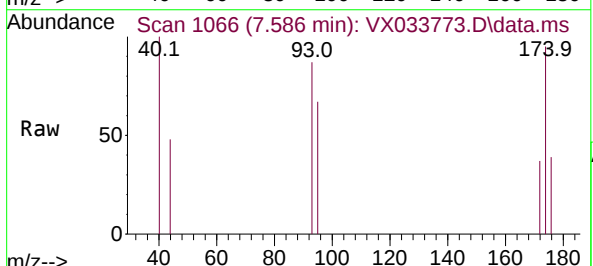
Instrument :
MSVOA_X
ClientSampleId :
IBLK

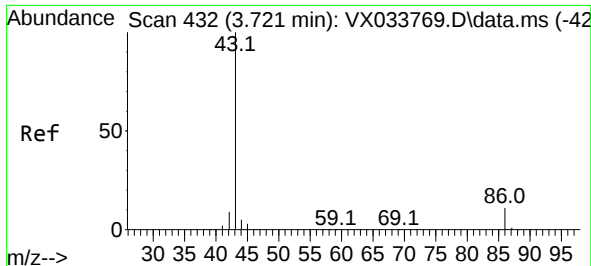
Tgt Ion: 83	Resp: 747
Ion Ratio	Lower Upper
83 100	
55 95.3	38.9 116.6
98 51.1	25.4 76.4



#40
Dibromomethane
Concen: 0.277 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

Tgt Ion: 93	Resp: 282		
Ion Ratio	Lower	Upper	
93 100			
95 78.7	0.0	165.4	
174 133.0	0.0	227.2	

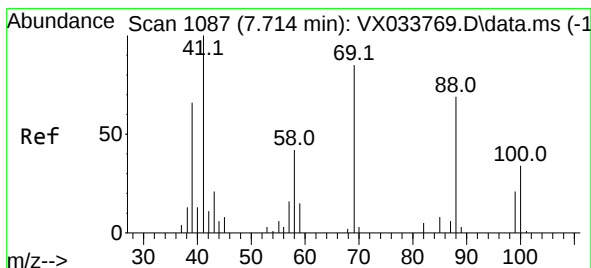
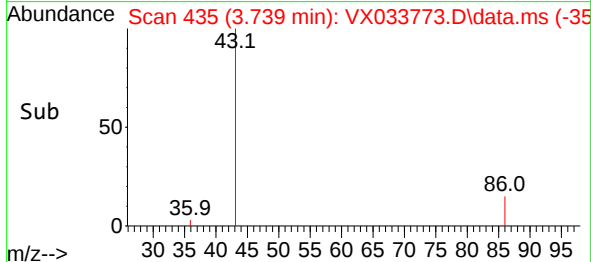
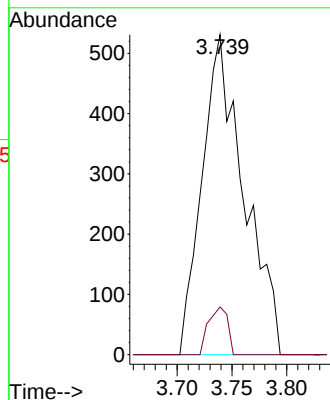
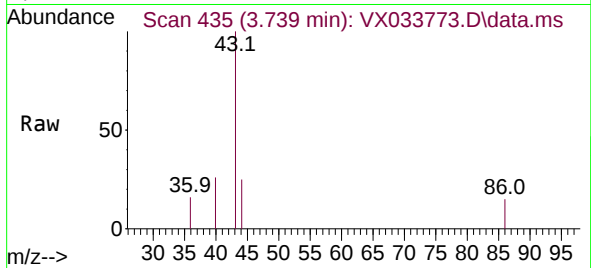




#42
 Vinyl Acetate
 Concen: 0.385 ug/l
 RT: 3.739 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: VX033773.D
 Acq: 18 Jan 2023 14:33

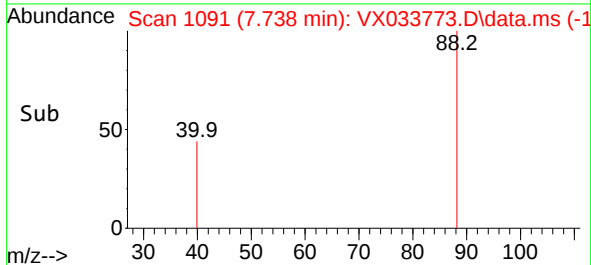
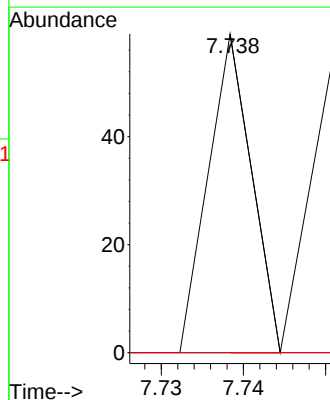
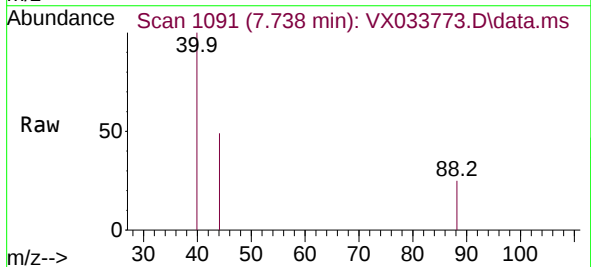
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

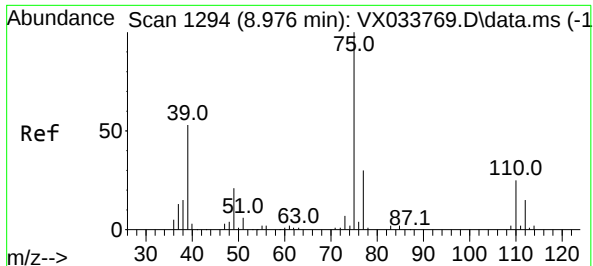
Tgt Ion: 43 Resp: 1408
 Ion Ratio Lower Upper
 43 100
 86 6.8 7.5 11.3#



#45
 1,4-Dioxane
 Concen: 0.659 ug/l
 RT: 7.738 min Scan# 1091
 Delta R.T. 0.024 min
 Lab File: VX033773.D
 Acq: 18 Jan 2023 14:33

Tgt Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 0.0 2.8 4.2#
 58 0.0 56.5 84.7#





#48

t-1,3-Dichloropropene

Concen: 0.206 ug/l

RT: 8.988 min Scan# 1175

Delta R.T. 0.012 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

Instrument :

MSVOA_X

ClientSampleId :

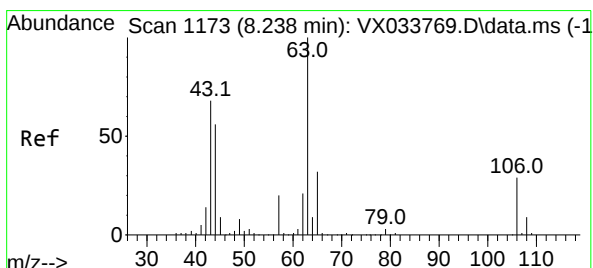
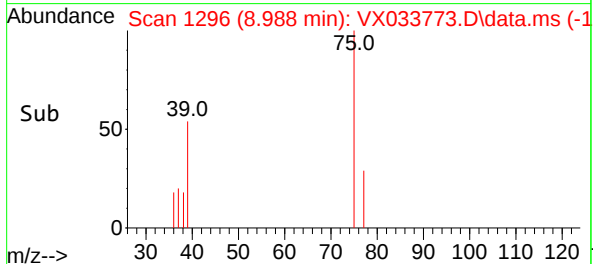
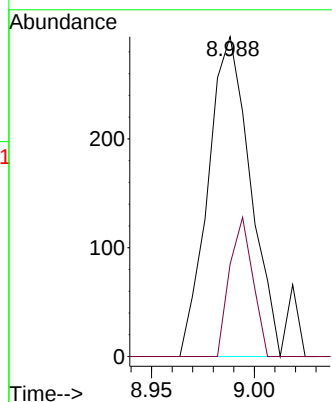
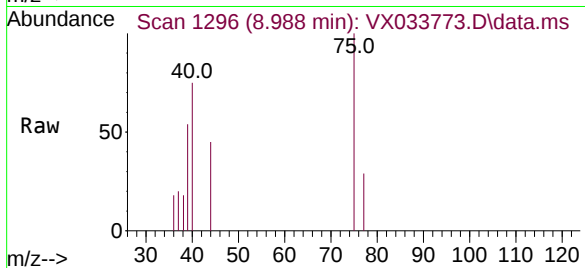
IBLK

Tgt Ion: 75 Resp: 420

Ion Ratio Lower Upper

75 100

77 28.9 24.0 36.0



#55

2-Chloroethyl vinyl ether

Concen: 1.514 ug/l

RT: 8.250 min Scan# 1175

Delta R.T. 0.012 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

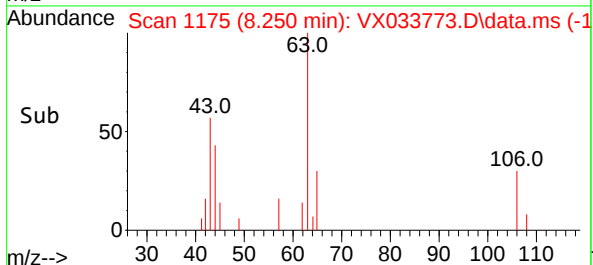
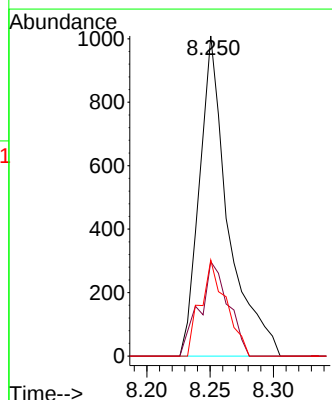
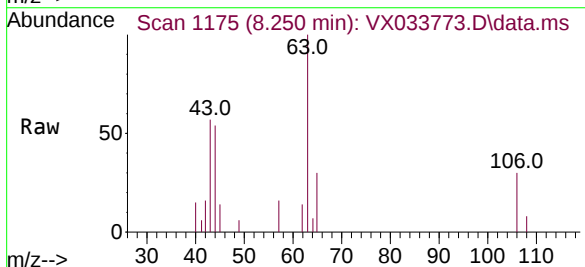
Tgt Ion: 63 Resp: 1588

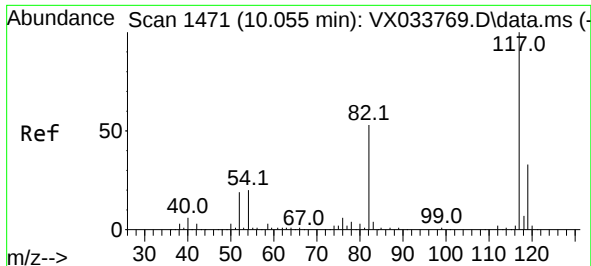
Ion Ratio Lower Upper

63 100

65 29.6 25.4 38.2

106 26.8 23.9 35.9





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

Instrument :

MSVOA_X

ClientSampleId :

IBLK

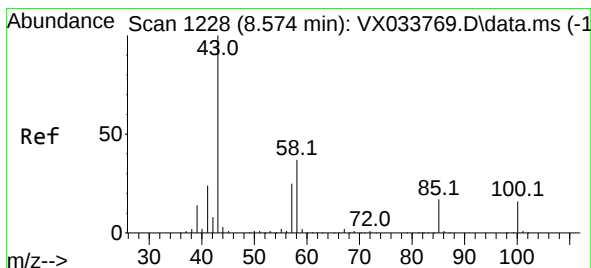
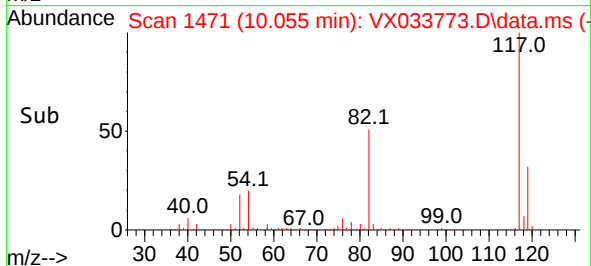
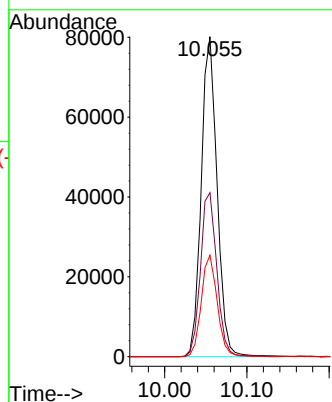
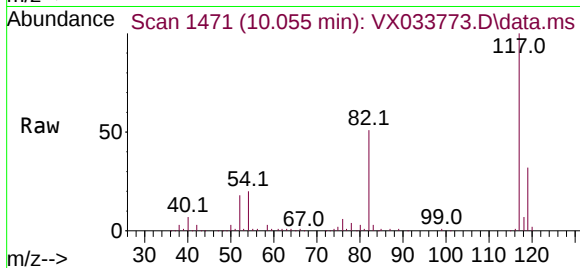
Tgt Ion:117 Resp: 107380

Ion Ratio Lower Upper

117 100

82 52.9 42.6 64.0

119 32.0 26.4 39.6



#58

4-Methyl-2-Pentanone

Concen: 0.211 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

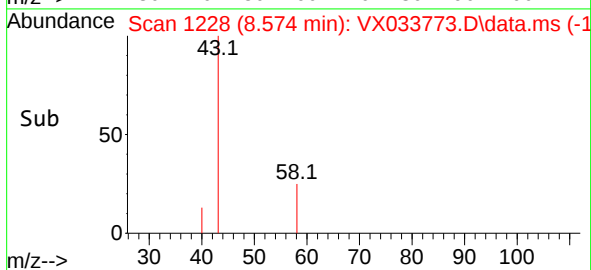
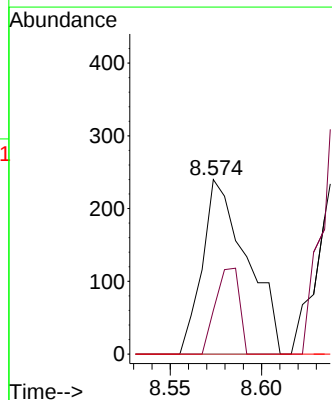
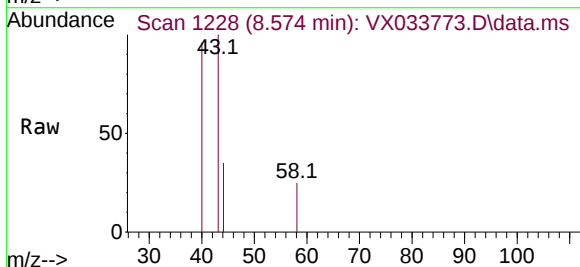
Tgt Ion: 43 Resp: 407

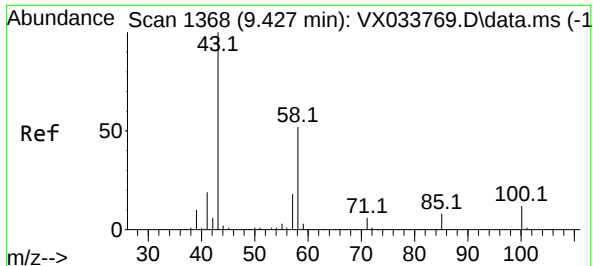
Ion Ratio Lower Upper

43 100

58 26.5 29.8 44.6#

85 0.0 13.7 20.5#





#59

2-Hexanone

Concen: 0.295 ug/l

RT: 9.451 min Scan# 11

Delta R.T. 0.024 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

Instrument :

MSVOA_X

ClientSampleId :

IBLK

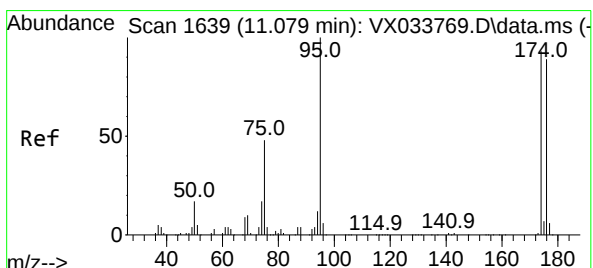
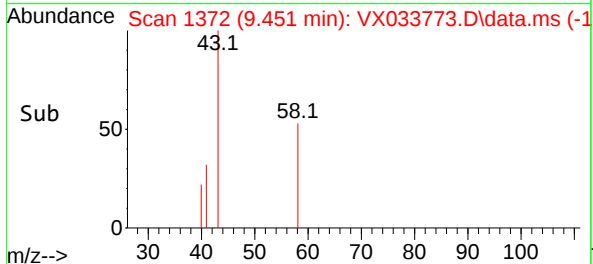
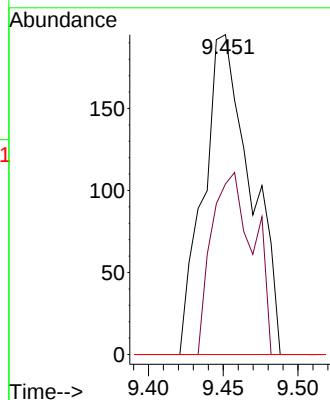
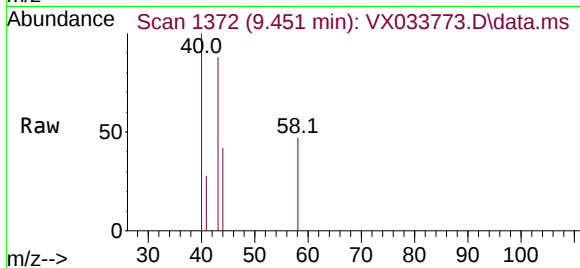
Tgt Ion: 43 Resp: 428

Ion Ratio Lower Upper

43 100

58 43.0 41.6 62.4

57 0.0 14.6 21.8#



#60

4-Bromofluorobenzene

Concen: 29.648 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

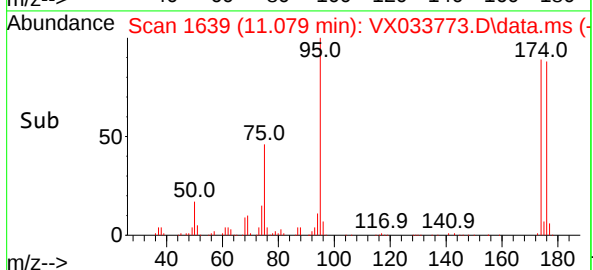
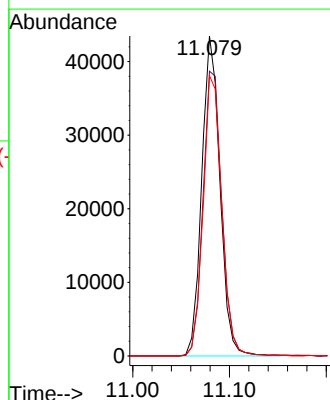
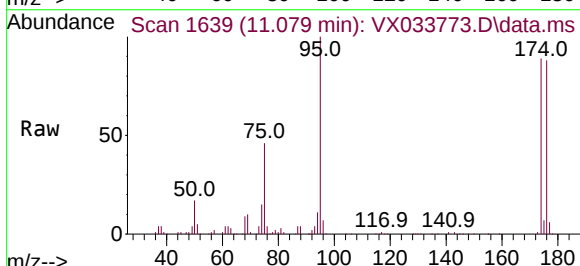
Tgt Ion: 95 Resp: 56914

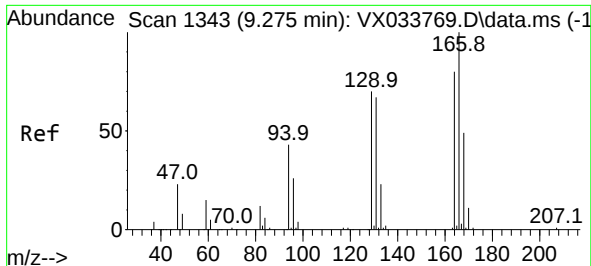
Ion Ratio Lower Upper

95 100

174 92.2 74.6 111.8

176 90.1 72.2 108.2

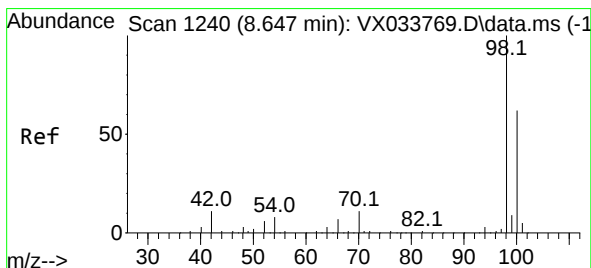
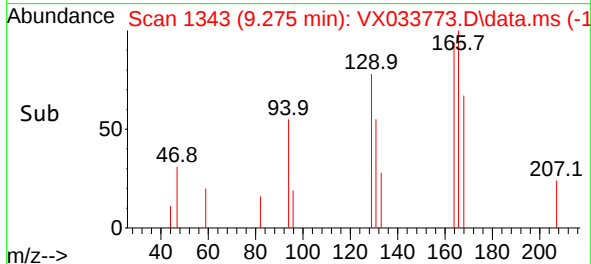
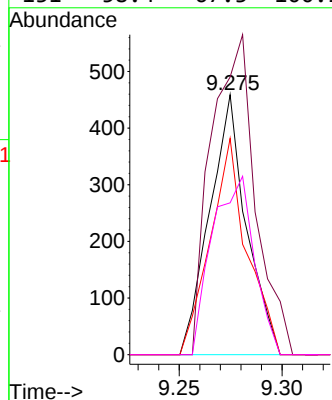
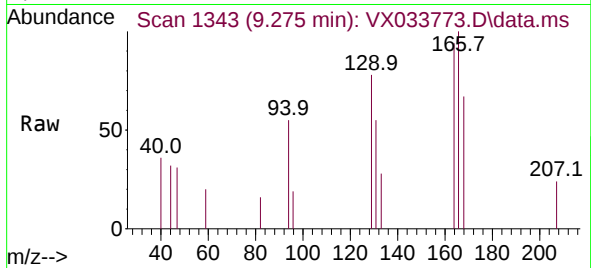




#61
Tetrachloroethene
Concen: 0.402 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

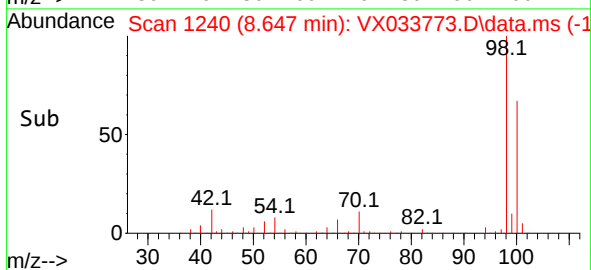
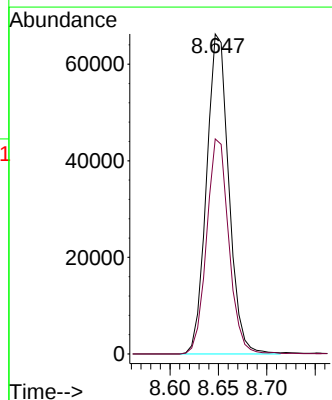
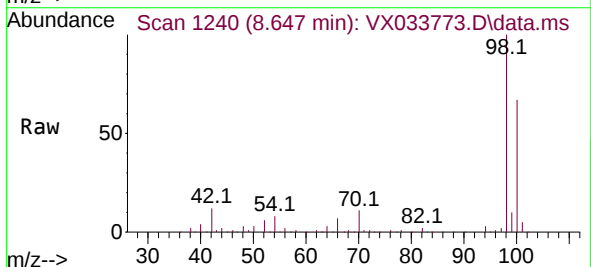
Instrument :
MSVOA_X
ClientSampleId :
IBLK

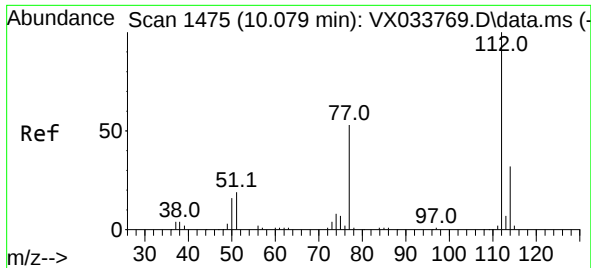
Tgt Ion:164 Resp: 569
Ion Ratio Lower Upper
164 100
166 106.8 100.6 151.0
129 83.2 69.9 104.9
131 58.4 67.3 100.9#



#63
Toluene-d8
Concen: 30.989 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

Tgt Ion: 98 Resp: 106167
Ion Ratio Lower Upper
98 100
100 66.8 52.7 79.1

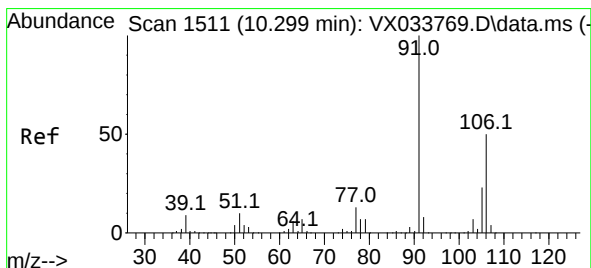
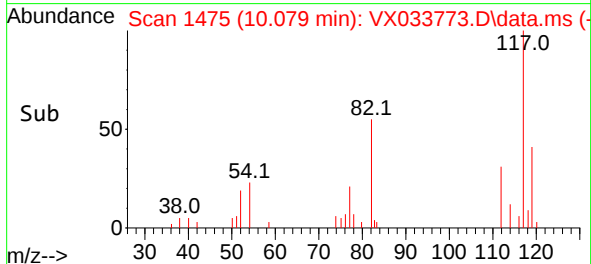
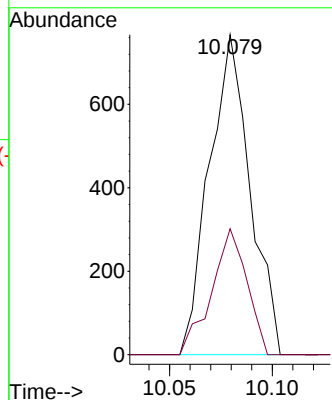
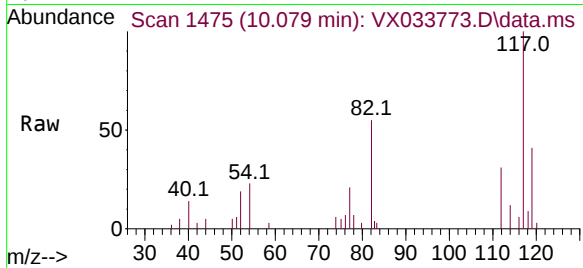




#64
Chlorobenzene
Concen: 0.264 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

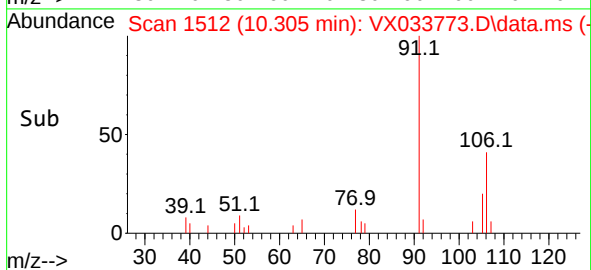
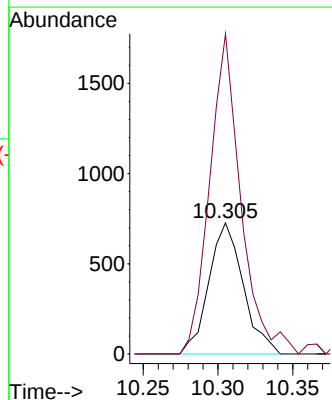
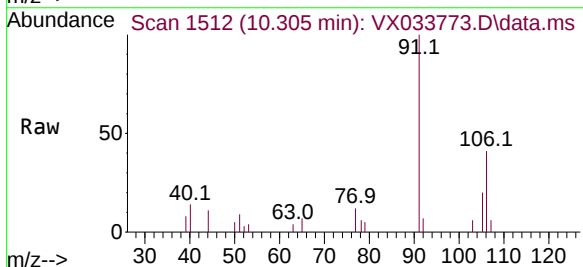
Instrument :
MSVOA_X
ClientSampleId :
IBLK

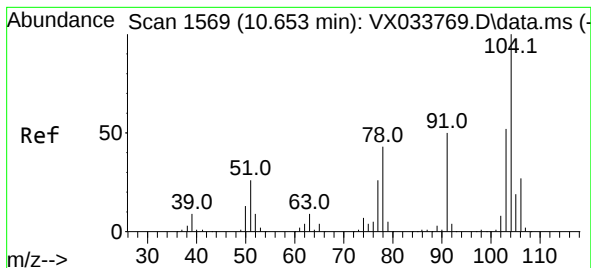
Tgt Ion:112 Resp: 1057
Ion Ratio Lower Upper
112 100
114 39.4 25.7 38.5#



#67
m/p-Xylenes
Concen: 0.428 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

Tgt Ion:106 Resp: 1161
Ion Ratio Lower Upper
106 100
91 216.0 159.7 239.5





#69

Styrene

Concen: 0.242 ug/l

RT: 10.659 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

Instrument :

MSVOA_X

ClientSampleId :

IBLK

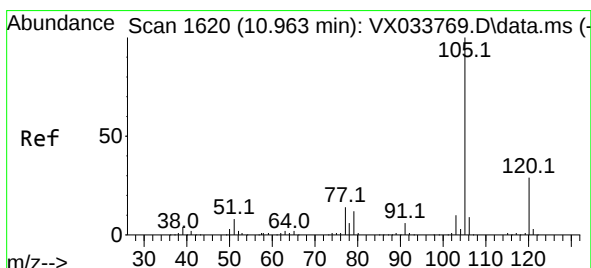
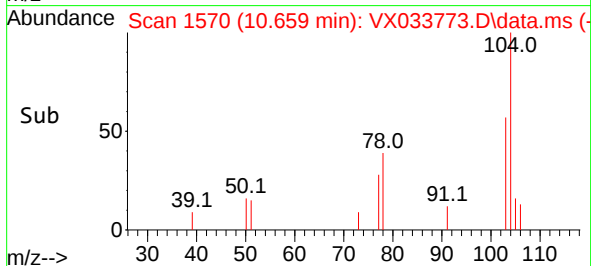
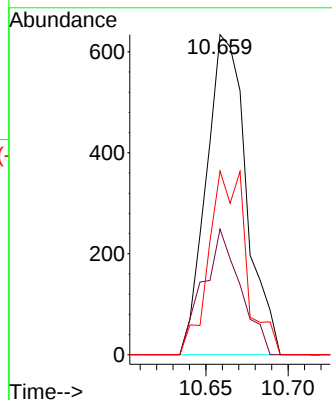
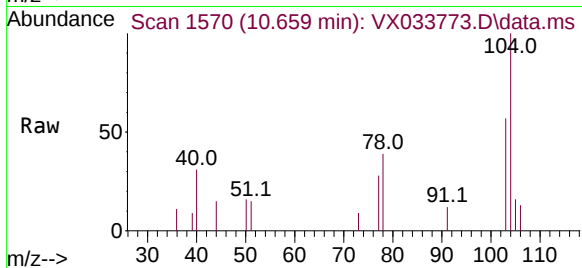
Tgt Ion:104 Resp: 1071

Ion Ratio Lower Upper

104 100

78 36.6 37.6 56.4#

103 51.4 44.2 66.4



#70

Isopropylbenzene

Concen: 0.204 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX033773.D

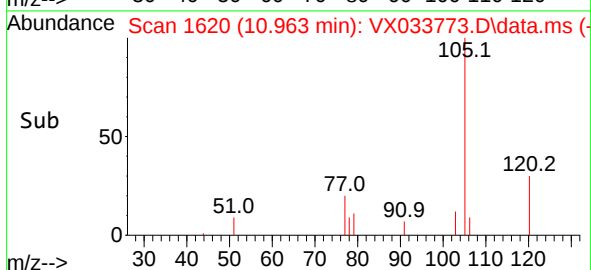
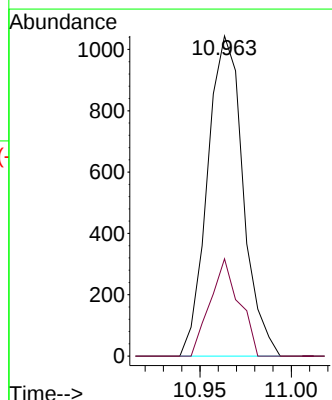
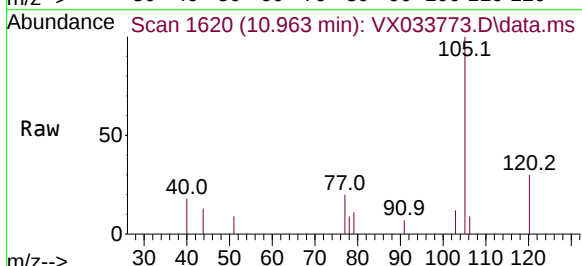
Acq: 18 Jan 2023 14:33

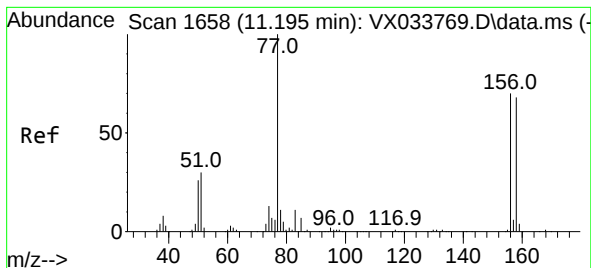
Tgt Ion:105 Resp: 1413

Ion Ratio Lower Upper

105 100

120 24.8 19.7 36.5





#73

Bromobenzene

Concen: 0.297 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

Instrument :

MSVOA_X

ClientSampleId :

IBLK

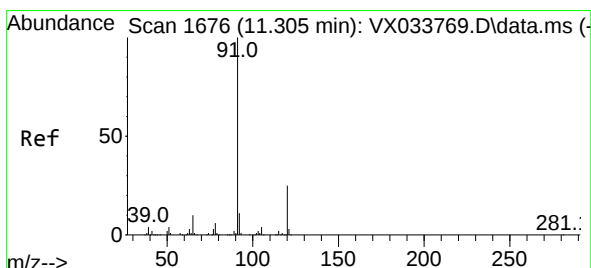
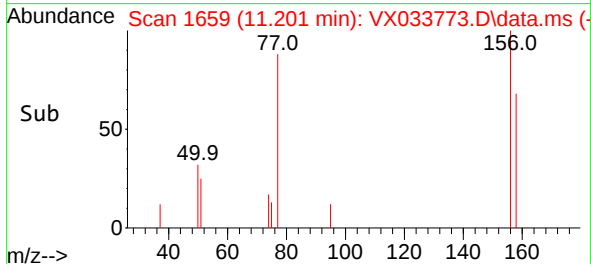
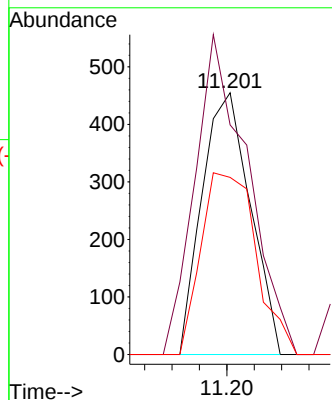
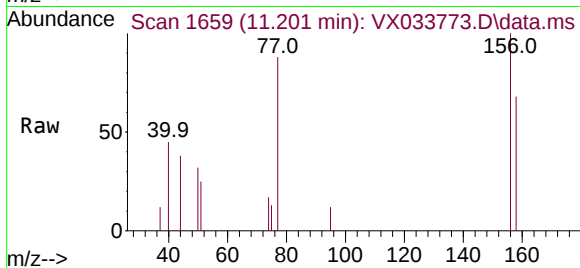
Tgt Ion:156 Resp: 558

Ion Ratio Lower Upper

156 100

77 132.6 0.0 269.4

158 79.0 0.0 192.6



#74

n-propylbenzene

Concen: 0.306 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX033773.D

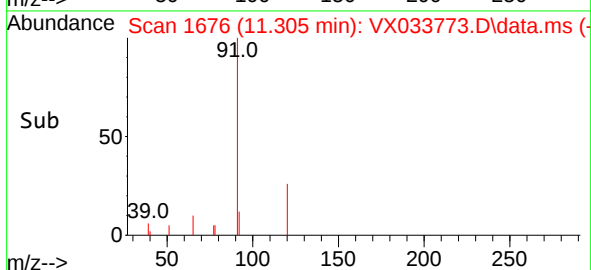
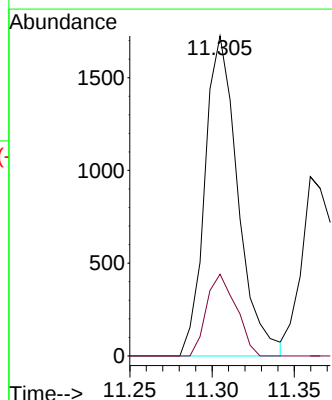
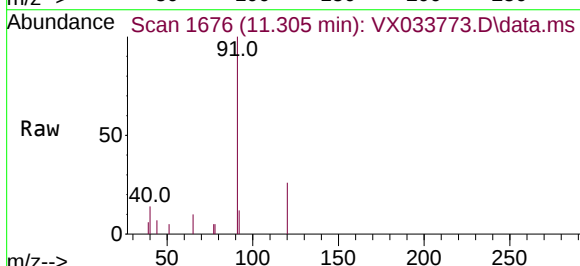
Acq: 18 Jan 2023 14:33

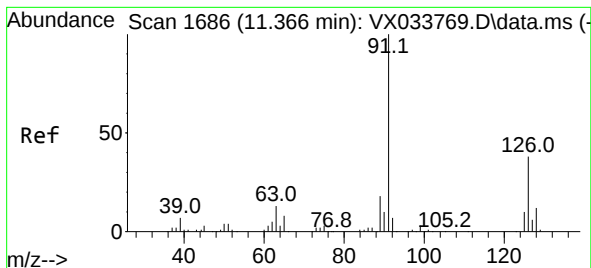
Tgt Ion: 91 Resp: 2412

Ion Ratio Lower Upper

91 100

120 22.9 0.0 48.8

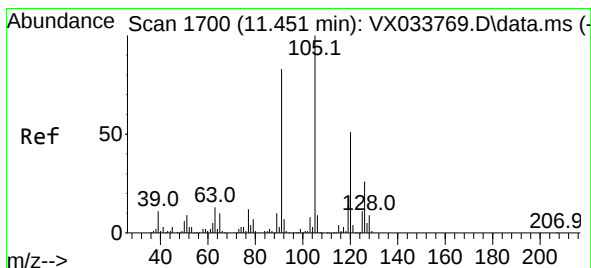
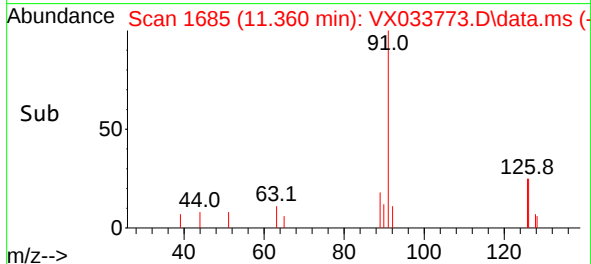
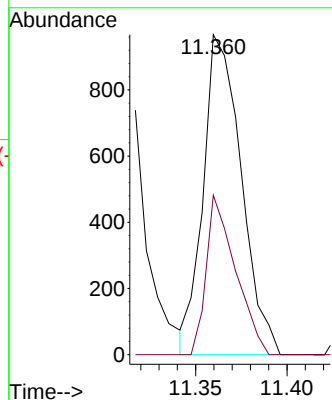
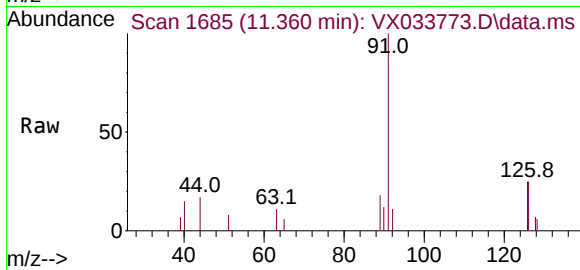




#75
2-Chlorotoluene
Concen: 0.299 ug/l
RT: 11.360 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

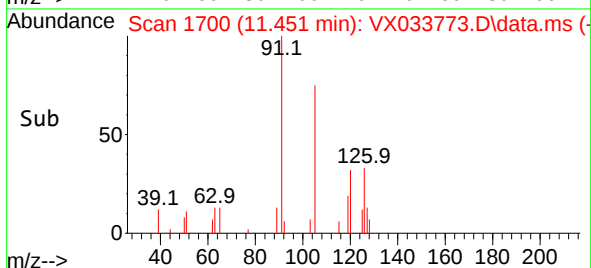
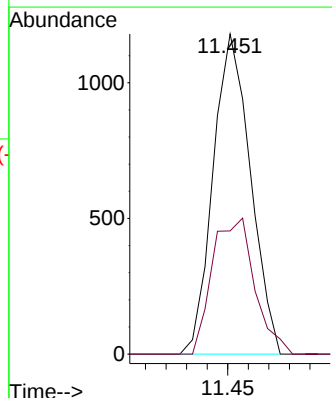
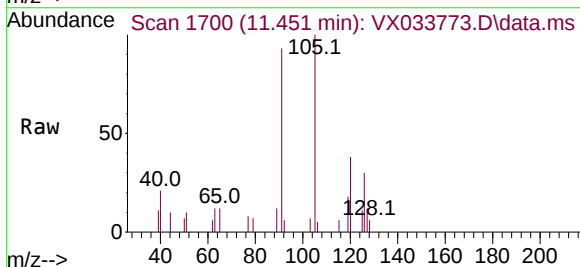
Instrument :
MSVOA_X
ClientSampleId :
IBLK

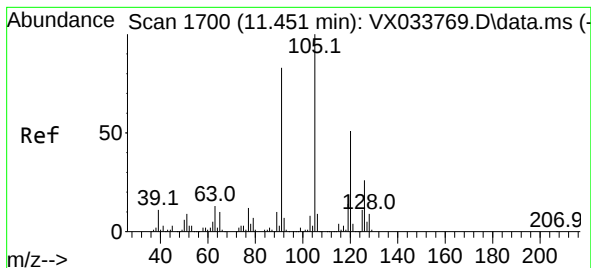
Tgt Ion: 91 Resp: 1399
Ion Ratio Lower Upper
91 100
126 38.2 0.0 73.0



#76
1,3,5-Trimethylbenzene
Concen: 0.259 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

Tgt Ion: 105 Resp: 1492
Ion Ratio Lower Upper
105 100
120 47.9 0.0 102.2





#78

4-Chlorotoluene

Concen: 0.385 ug/l

RT: 11.457 min Scan# 1700

Delta R.T. 0.006 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

Instrument :

MSVOA_X

ClientSampleId :

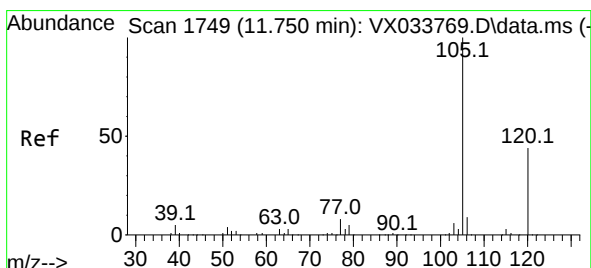
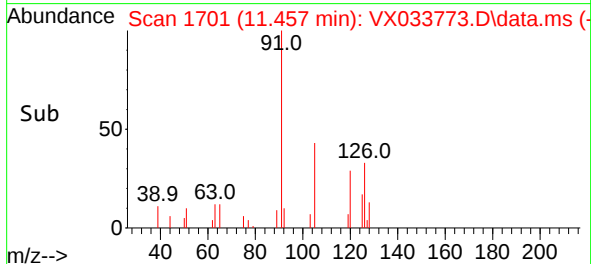
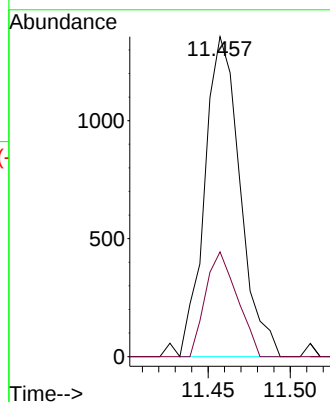
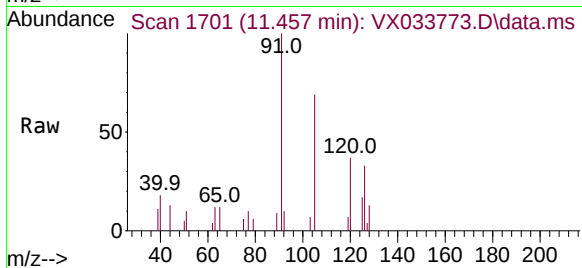
IBLK

Tgt Ion: 91 Resp: 2028

Ion Ratio Lower Upper

91 100

126 29.3 0.0 65.2



#80

1,2,4-Trimethylbenzene

Concen: 0.260 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX033773.D

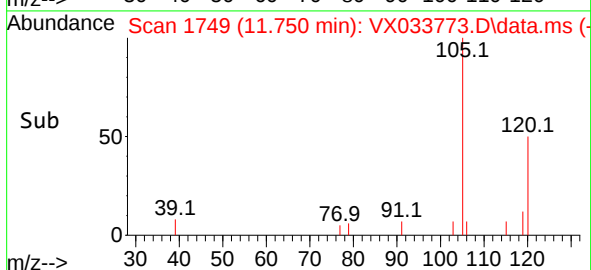
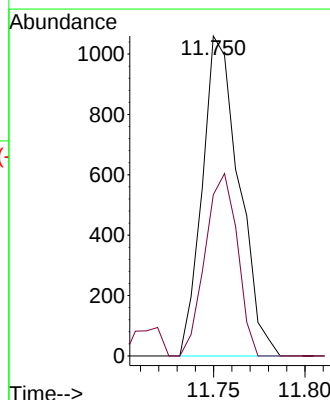
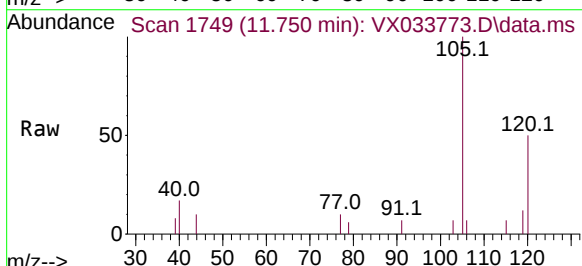
Acq: 18 Jan 2023 14:33

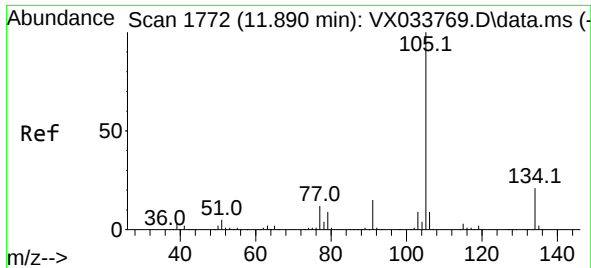
Tgt Ion: 105 Resp: 1483

Ion Ratio Lower Upper

105 100

120 50.0 0.0 93.4

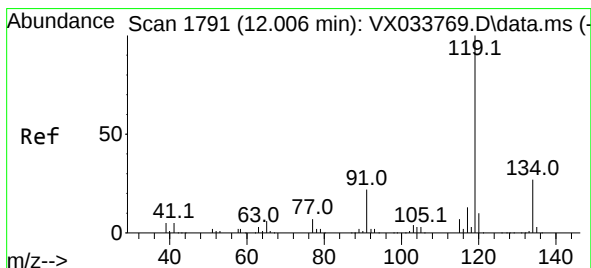
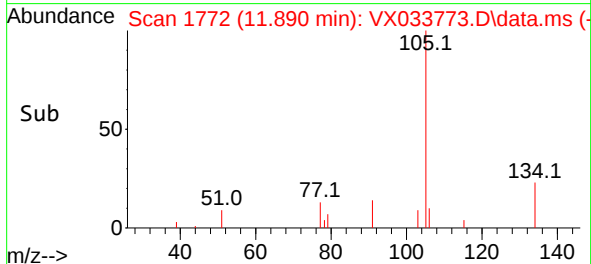
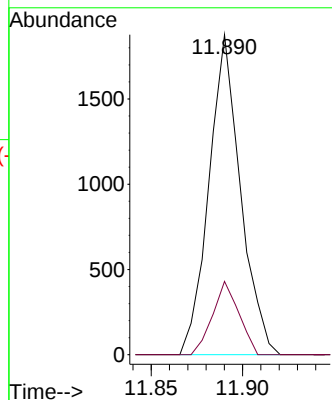
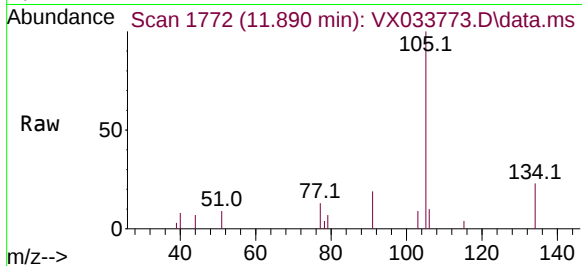




#81
 sec-Butylbenzene
 Concen: 0.315 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX033773.D
 Acq: 18 Jan 2023 14:33

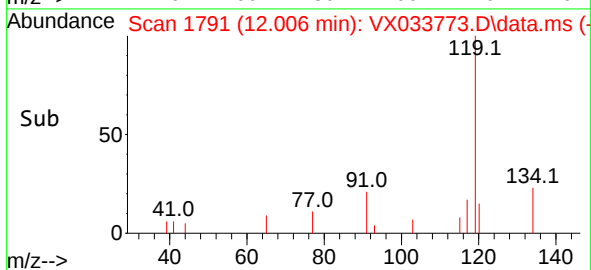
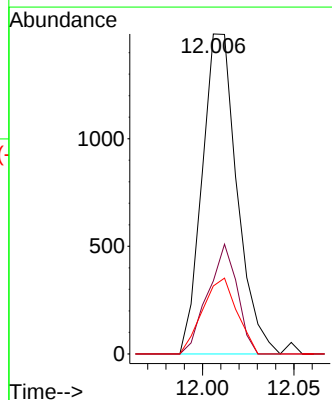
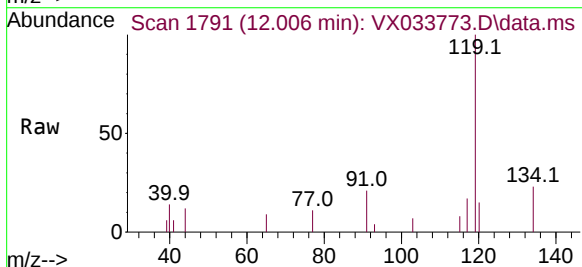
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

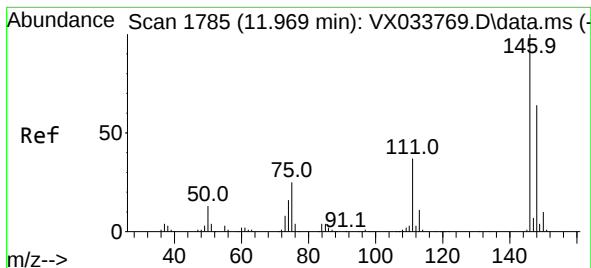
Tgt Ion:105 Resp: 2255
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 43.8



#82
 p-Isopropyltoluene
 Concen: 0.319 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX033773.D
 Acq: 18 Jan 2023 14:33

Tgt Ion:119 Resp: 1981
 Ion Ratio Lower Upper
 119 100
 134 28.8 0.0 54.2
 91 23.3 0.0 41.8





#83

1,3-Dichlorobenzene

Concen: 0.495 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

Instrument :

MSVOA_X

ClientSampleId :

IBLK

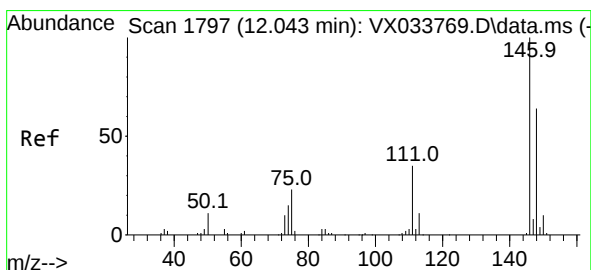
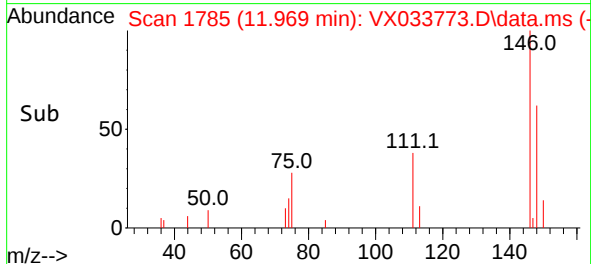
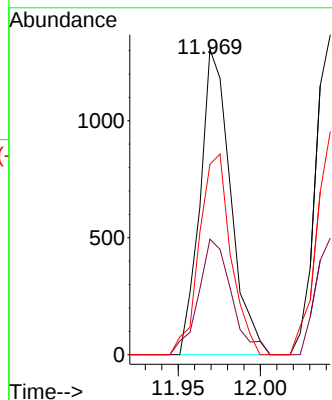
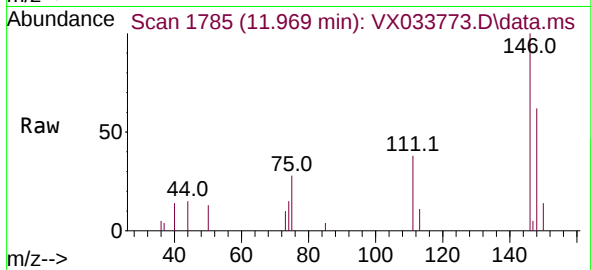
Tgt Ion:146 Resp: 1680

Ion Ratio Lower Upper

146 100

111 41.0 18.4 55.2

148 68.0 32.1 96.5



#84

1,4-Dichlorobenzene

Concen: 0.578 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

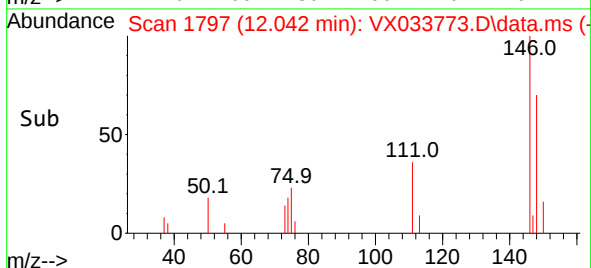
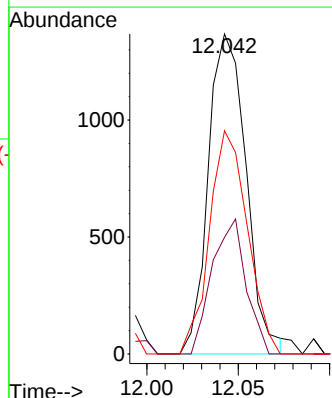
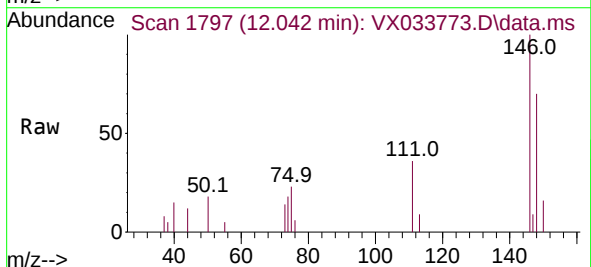
Tgt Ion:146 Resp: 1966

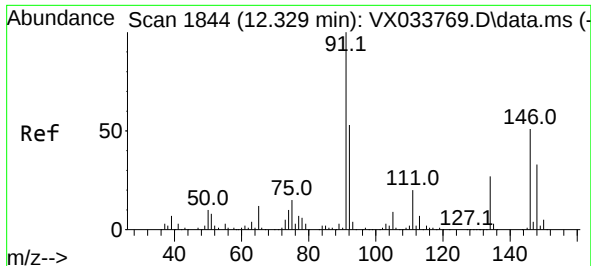
Ion Ratio Lower Upper

146 100

111 38.0 17.8 53.4

148 70.3 32.1 96.5





#85

n-Butylbenzene

Concen: 0.468 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX033773.D

Acq: 18 Jan 2023 14:33

Instrument :

MSVOA_X

ClientSampleId :

IBLK

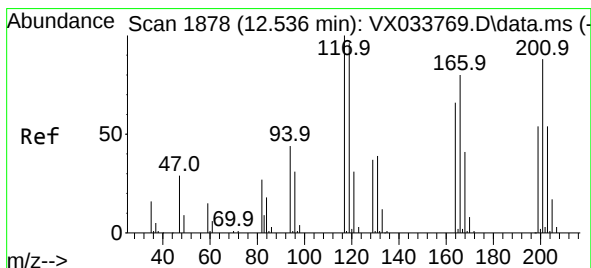
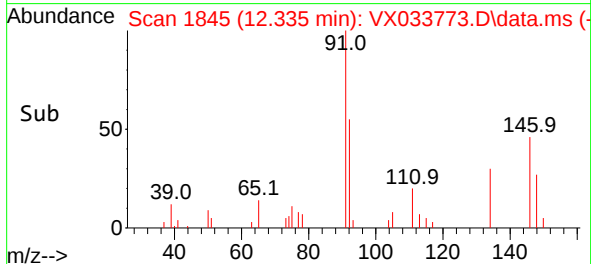
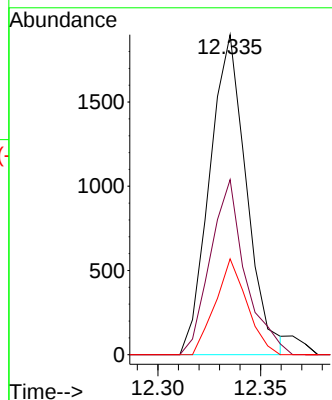
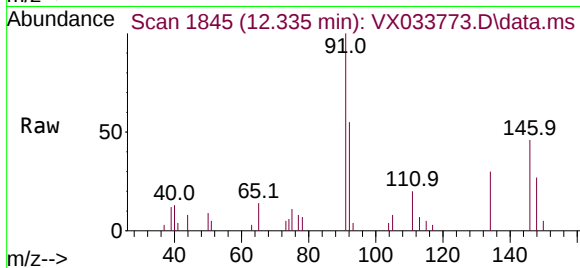
Tgt Ion: 91 Resp: 2361

Ion Ratio Lower Upper

91 100

92 52.2 0.0 109.0

134 25.8 0.0 57.8



#86

Hexachloroethane

Concen: 0.231 ug/l

RT: 12.542 min Scan# 1879

Delta R.T. 0.006 min

Lab File: VX033773.D

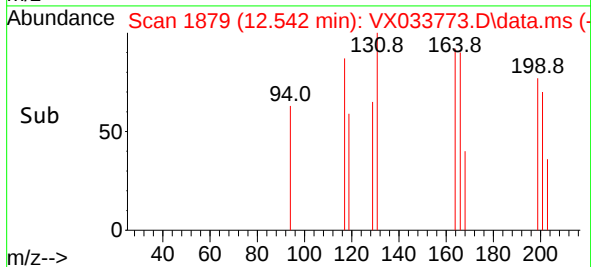
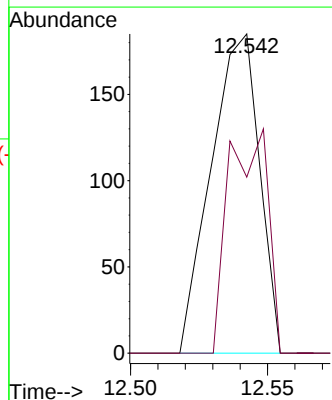
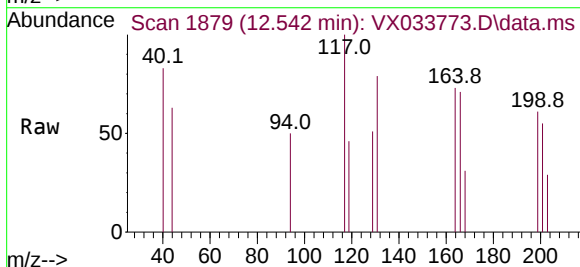
Acq: 18 Jan 2023 14:33

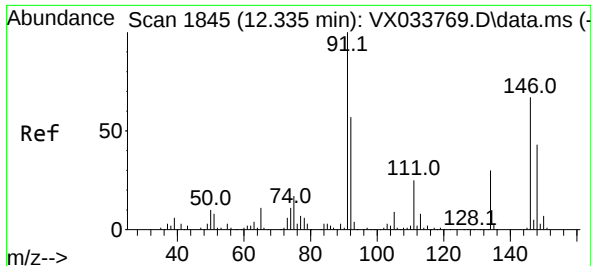
Tgt Ion: 117 Resp: 227

Ion Ratio Lower Upper

117 100

201 57.3 46.3 138.8

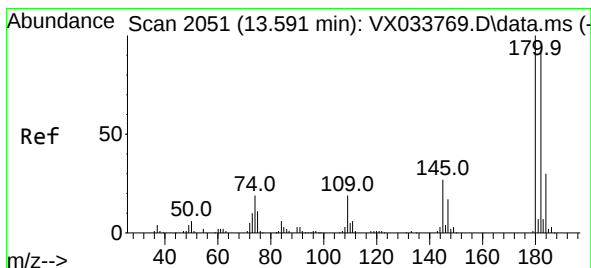
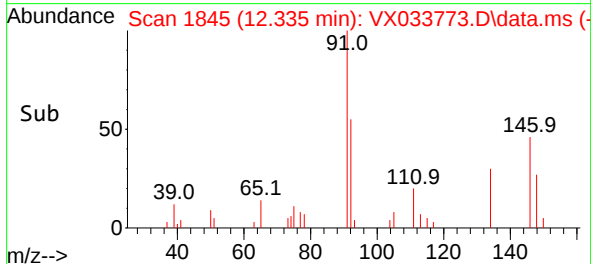
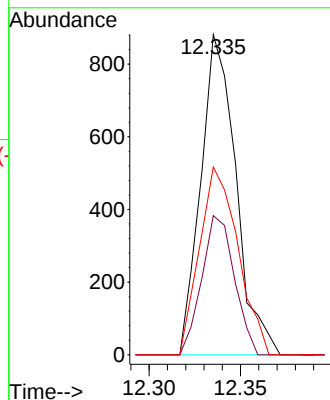
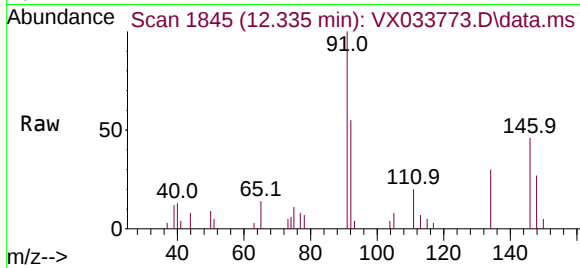




#87
1,2-Dichlorobenzene
Concen: 0.361 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

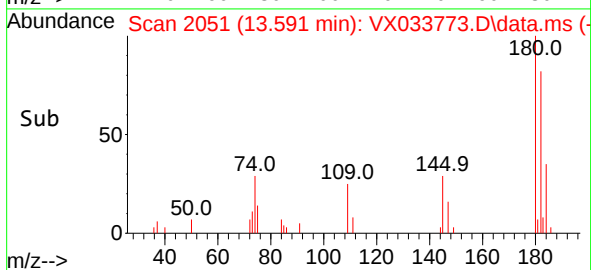
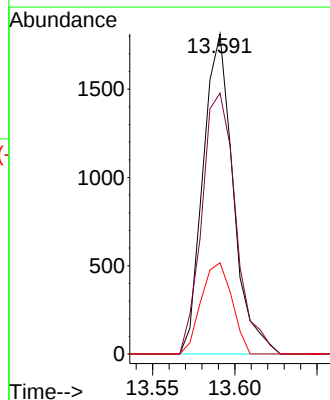
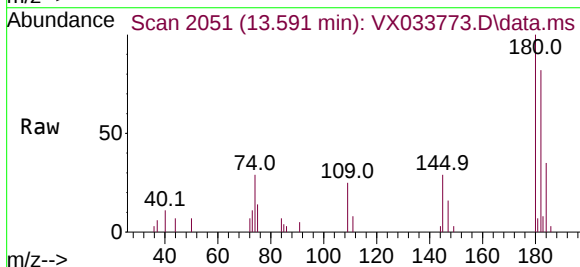
Instrument :
MSVOA_X
ClientSampleId :
IBLK

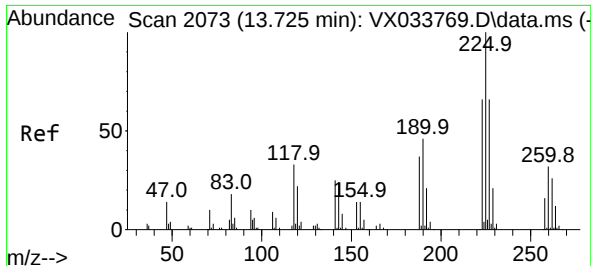
Tgt Ion:146 Resp: 1179
Ion Ratio Lower Upper
146 100
111 40.3 18.8 56.4
148 64.1 31.7 95.1



#89
1,2,4-Trichlorobenzene
Concen: 1.016 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

Tgt Ion:180 Resp: 2311
Ion Ratio Lower Upper
180 100
182 91.7 76.4 114.6
145 28.9 22.9 34.3

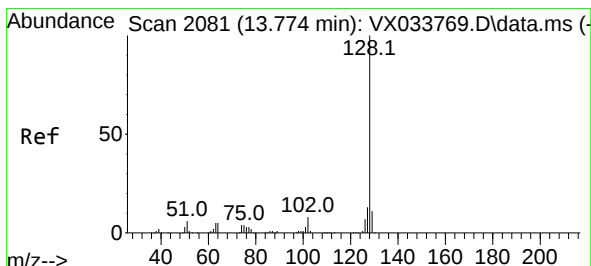
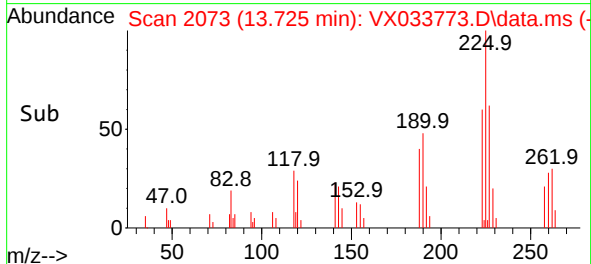
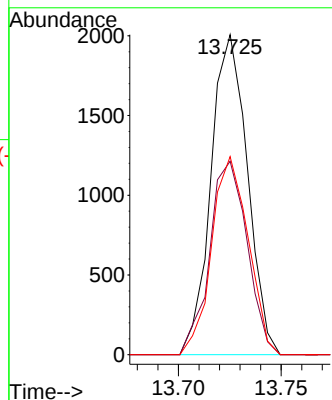
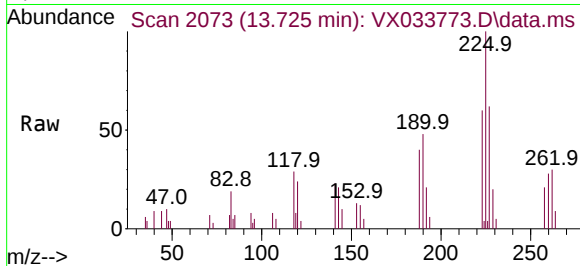




#90
Hexachlorobutadiene
Concen: 2.324 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

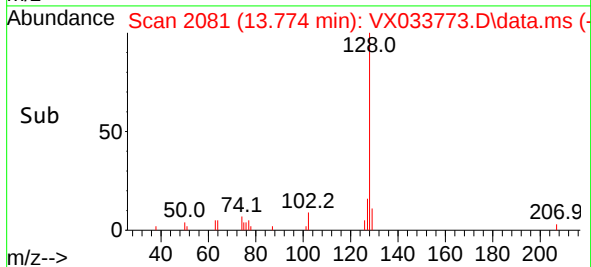
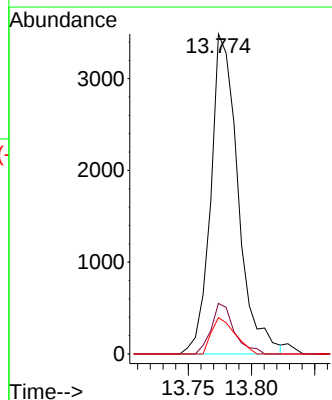
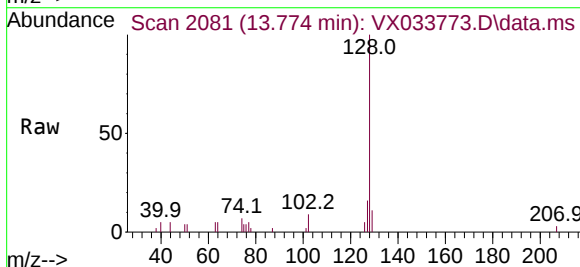
Instrument :
MSVOA_X
ClientSampleId :
IBLK

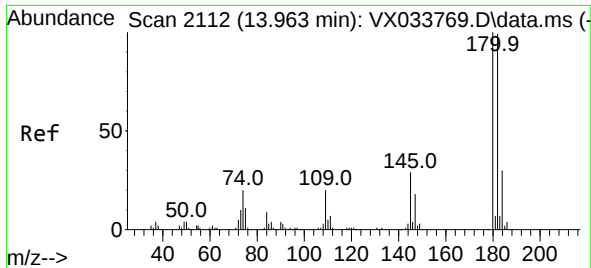
Tgt Ion:225 Resp: 2480
Ion Ratio Lower Upper
225 100
223 62.3 0.0 127.6
227 62.1 0.0 131.2



#91
Naphthalene
Concen: 0.785 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX033773.D
Acq: 18 Jan 2023 14:33

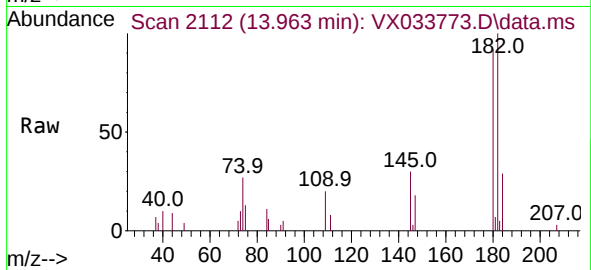
Tgt Ion:128 Resp: 5235
Ion Ratio Lower Upper
128 100
127 13.2 10.1 15.1
129 9.7 8.9 13.3





#92
 1,2,3-Trichlorobenzene
 Concen: 1.066 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX033773.D
 Acq: 18 Jan 2023 14:33

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	2379
Ion	Ratio	Lower	Upper
180	100		
182	91.1	0.0	192.6
145	29.9	0.0	60.4

