

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100422\
 Data File : VX031876.D
 Acq On : 04 Oct 2022 17:52
 Operator : JC/MD
 Sample : N4971-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-01-100322

Quant Time: Oct 05 06:26:32 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)

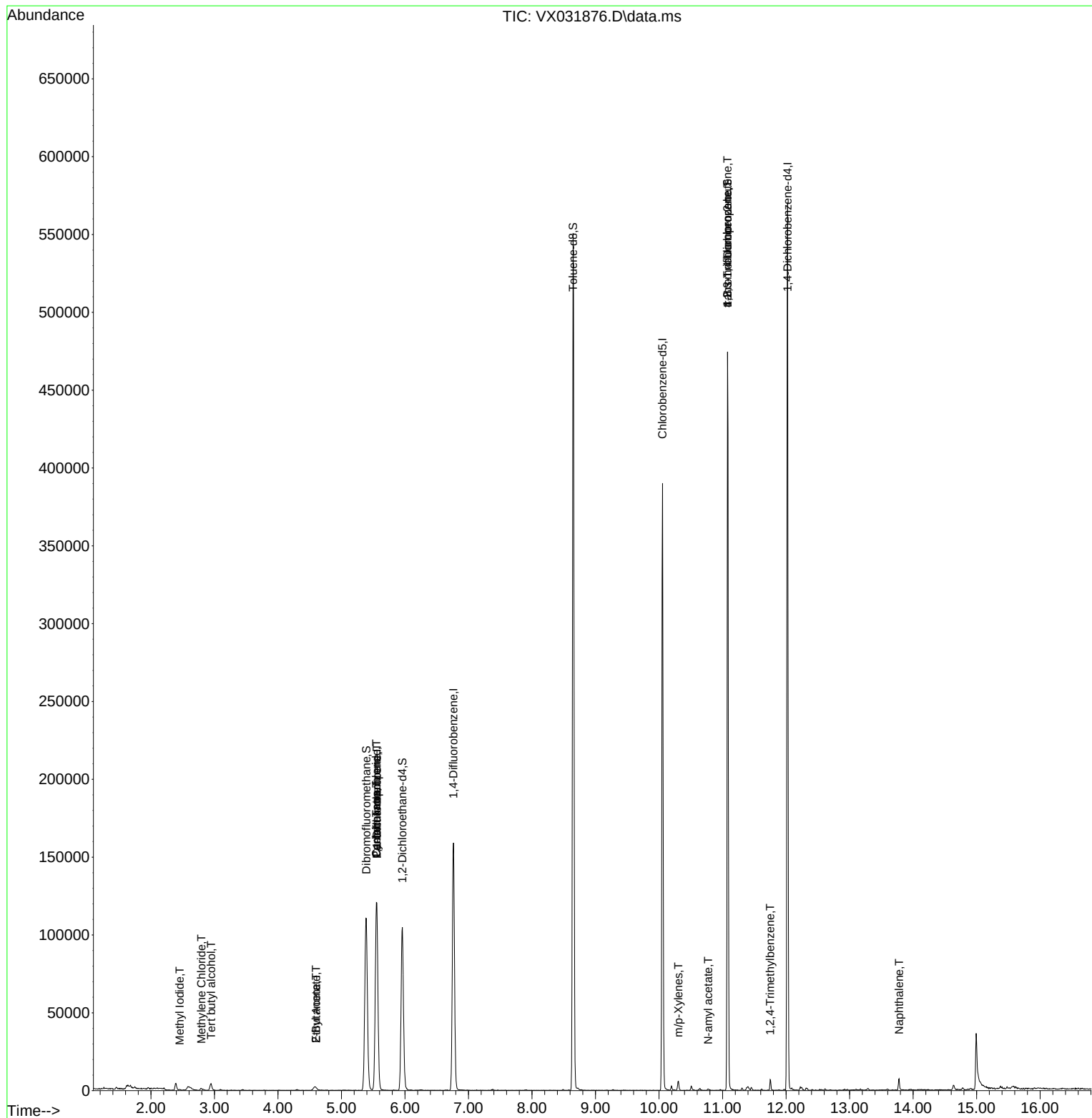
Internal Standards						
1) Pentafluorobenzene	5.556	168	134324	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	184554	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196082	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	97114	40.355	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	80.720%
35) Dibromofluoromethane	5.391	113	96518	44.018	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.040%
50) Toluene-d8	8.647	98	352277	44.910	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.820%
62) 4-Bromofluorobenzene	11.079	95	118196	41.844	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.680%
Target Compounds						
						Qvalue
5) Bromomethane	1.624	94	615	Below Cal		96
6) Chloroethane	1.679	64	64	Below Cal	#	43
10) Methyl Iodide	2.453	142	550	0.287	ug/l #	88
11) Tert butyl alcohol	2.947	59	2593	7.739	ug/l #	73
16) Acetone	2.392	43	5357	Below Cal	#	86
17) Carbon Disulfide	2.514	76	410	Below Cal	#	75
20) Methylene Chloride	2.794	84	529	0.251	ug/l #	62
25) 2-Butanone	4.599	43	920	0.833	ug/l #	66
31) Cyclohexane	5.550	56	1983	0.692	ug/l #	18
36) 1,1-Dichloropropene	5.556	75	7569	2.784	ug/l #	51
37) Ethyl Acetate	4.599	43	920	0.447	ug/l #	68
38) Carbon Tetrachloride	5.550	117	12339	3.656	ug/l #	17
68) m/p-Xylenes	10.305	106	1737	0.430	ug/l	88
74) N-amyl acetate	10.775	43	710	0.326	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	54596	22.804	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	54596	78.283	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.750	105	3423	0.443	ug/l	95
95) Naphthalene	13.780	128	6020	0.682	ug/l	98

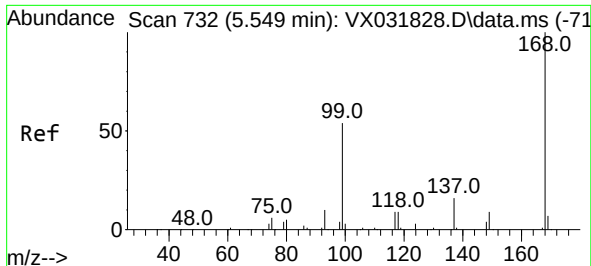
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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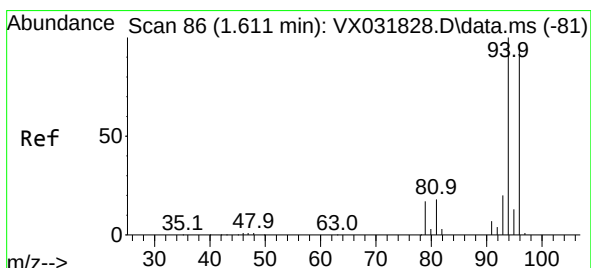
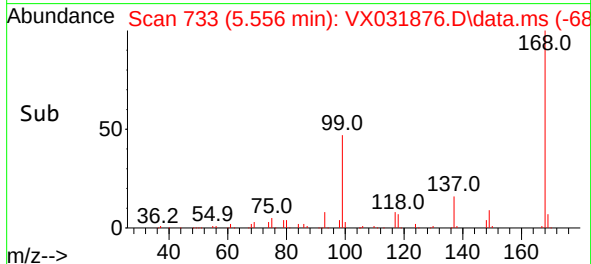
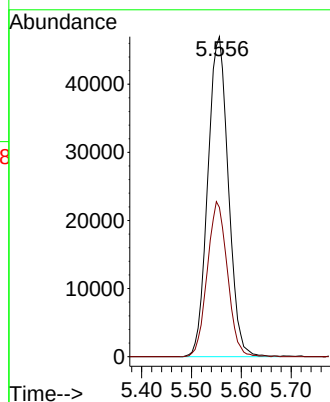
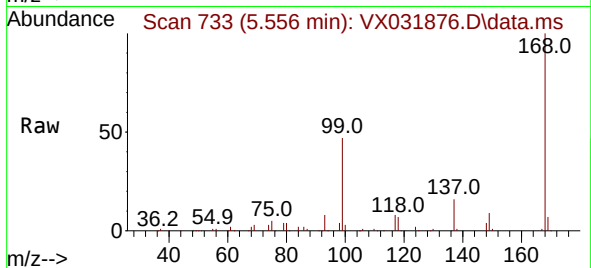




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

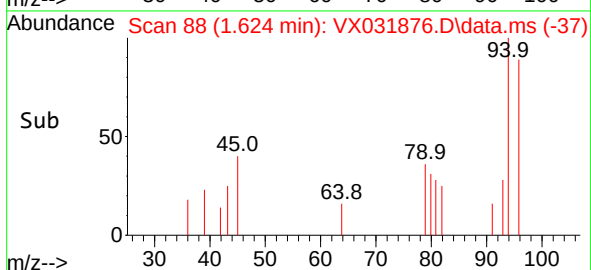
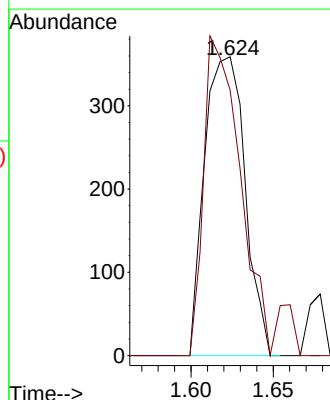
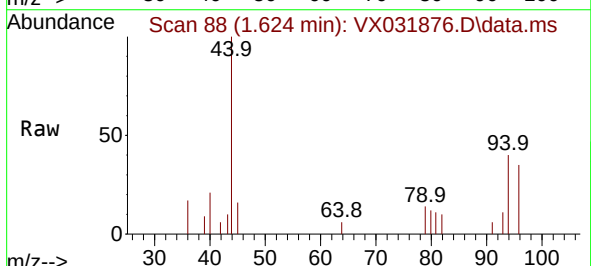
Instrument :
MSVOA_X
ClientSampleId :
EB-01-100322

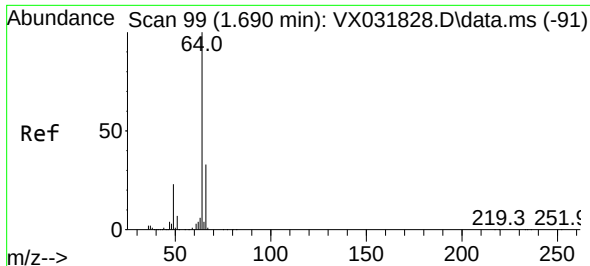
Tgt Ion:168 Resp: 134324
Ion Ratio Lower Upper
168 100
99 46.7 48.8 73.2#



#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.013 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

Tgt Ion: 94 Resp: 615
Ion Ratio Lower Upper
94 100
96 88.9 74.4 111.6

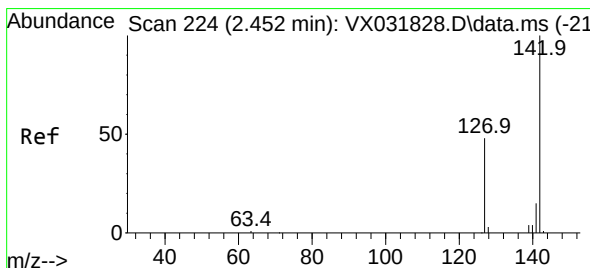
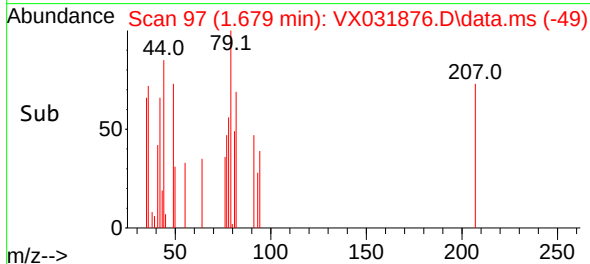
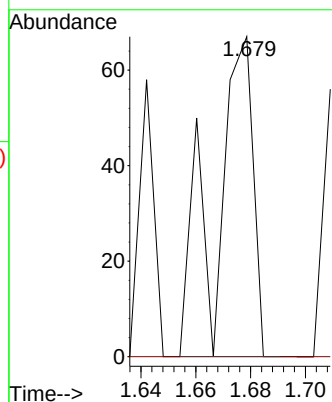
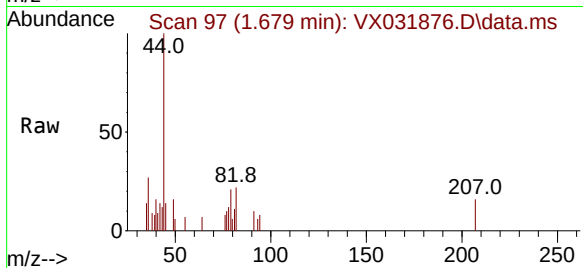




#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

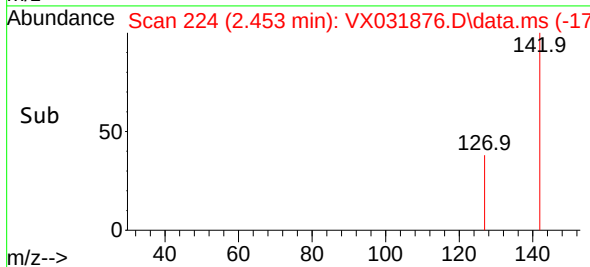
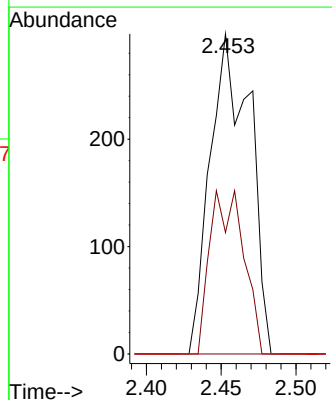
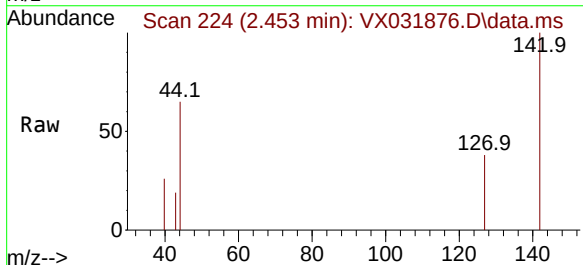
Instrument :
MSVOA_X
ClientSampleId :
EB-01-100322

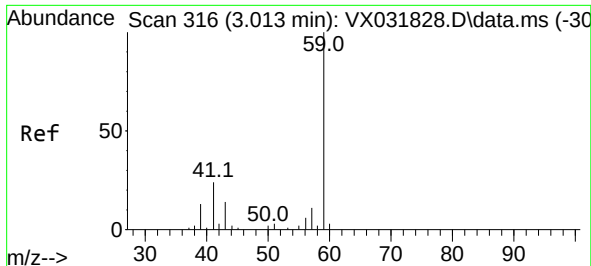
Tgt Ion: 64 Resp: 64
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 0.287 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

Tgt Ion: 142 Resp: 550
Ion Ratio Lower Upper
142 100
127 43.3 37.4 56.0
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 7.739 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.134 min

Lab File: VX031876.D

Acq: 04 Oct 2022 17:52

Instrument :

MSVOA_X

ClientSampleId :

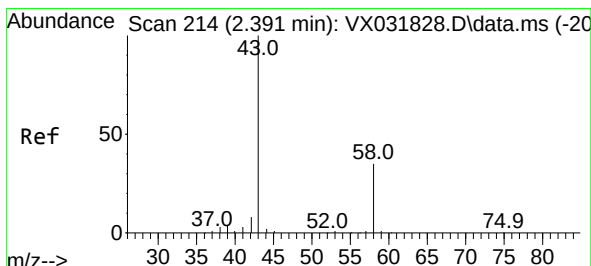
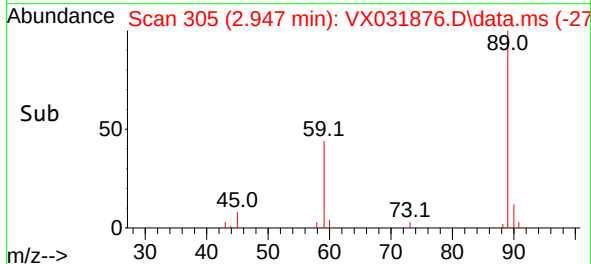
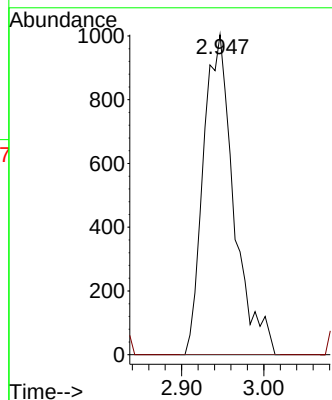
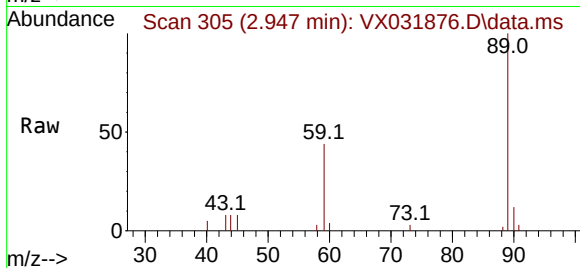
EB-01-100322

Tgt Ion: 59 Resp: 2593

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX031876.D

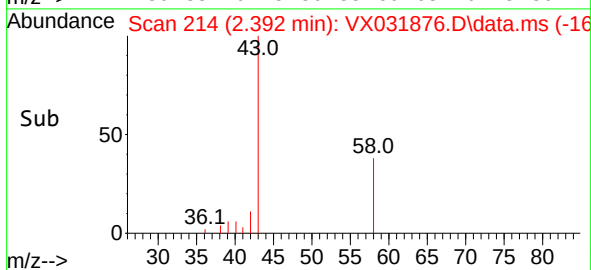
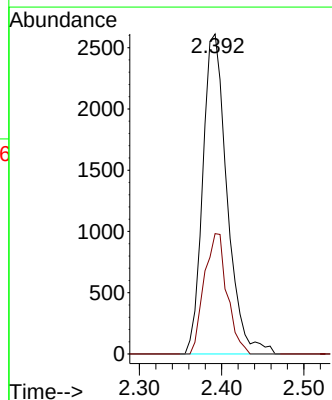
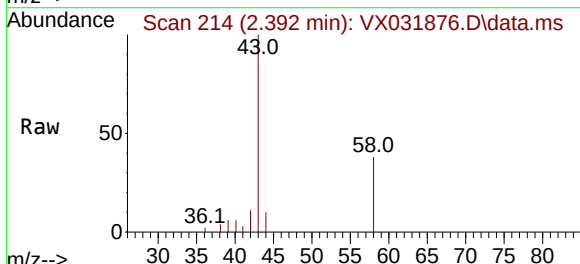
Acq: 04 Oct 2022 17:52

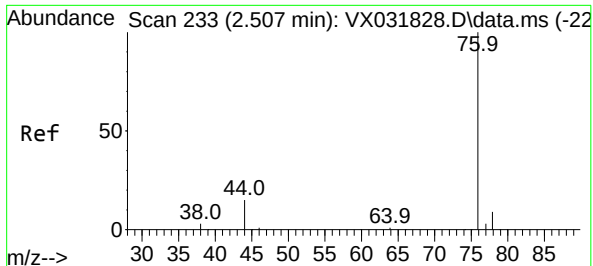
Tgt Ion: 43 Resp: 5357

Ion Ratio Lower Upper

43 100

58 37.6 23.8 35.8#

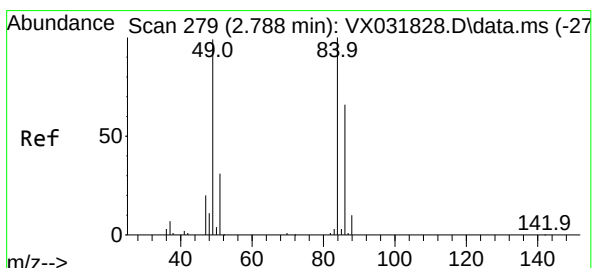
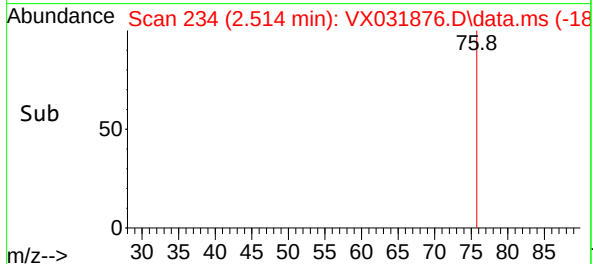
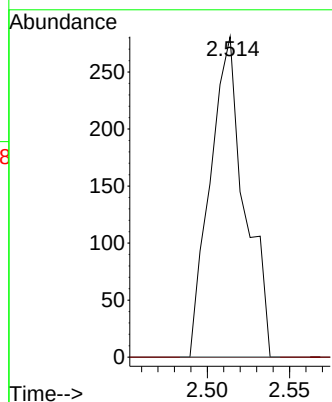
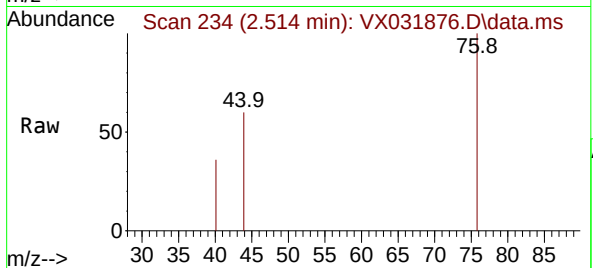




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

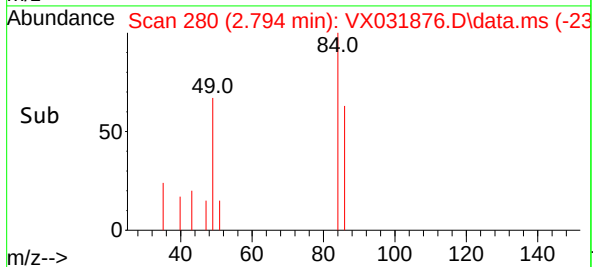
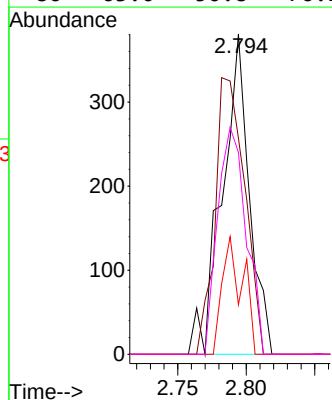
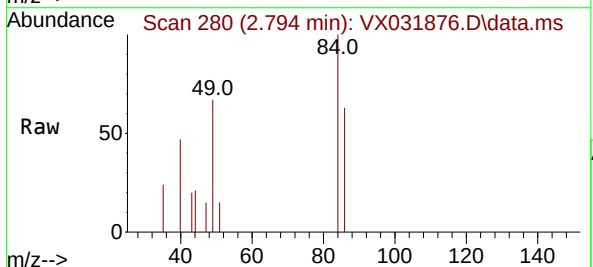
Instrument :
MSVOA_X
ClientSampleId :
EB-01-100322

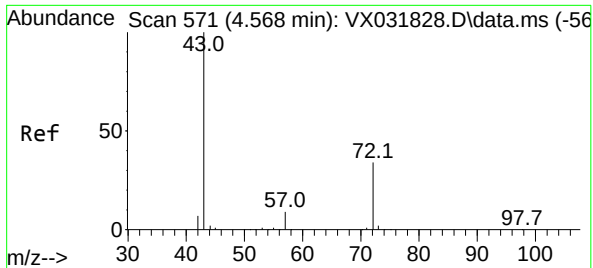
Tgt Ion: 76 Resp: 410
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.251 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

Tgt Ion: 84 Resp: 529
Ion Ratio Lower Upper
84 100
49 67.5 105.9 158.9#
51 15.5 32.2 48.2#
86 63.0 50.8 76.2

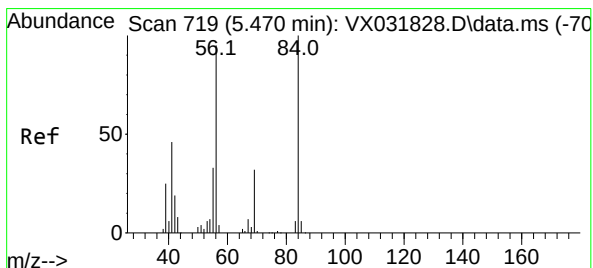
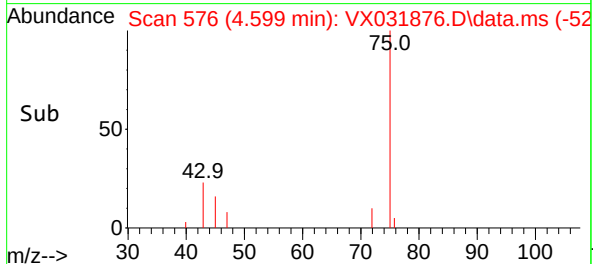
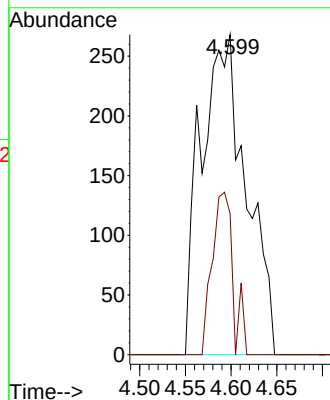
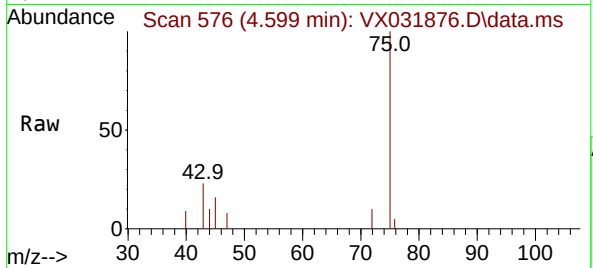




#25
2-Butanone
Concen: 0.833 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

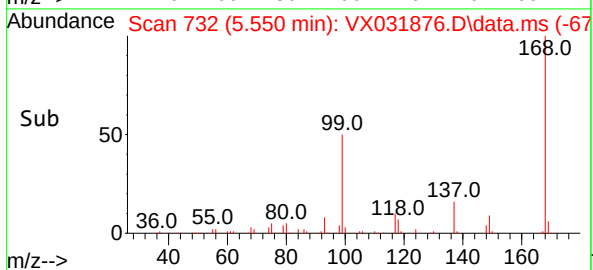
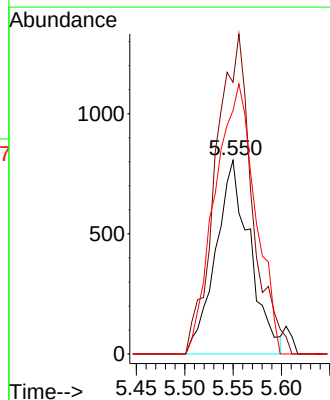
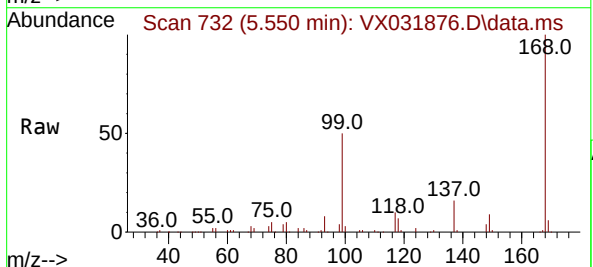
Instrument :
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ClientSampleId :
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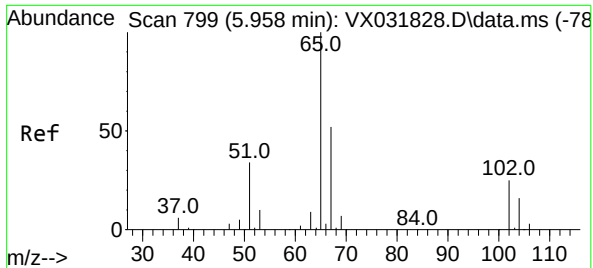
Tgt Ion: 43 Resp: 920
Ion Ratio Lower Upper
43 100
72 44.0 21.1 31.7#



#31
Cyclohexane
Concen: 0.692 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

Tgt Ion: 56 Resp: 1983
Ion Ratio Lower Upper
56 100
69 140.3 25.1 37.7#
84 125.7 70.2 105.4#

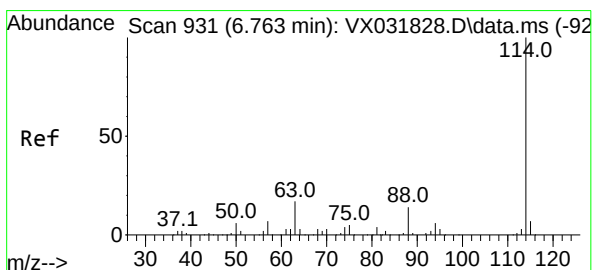
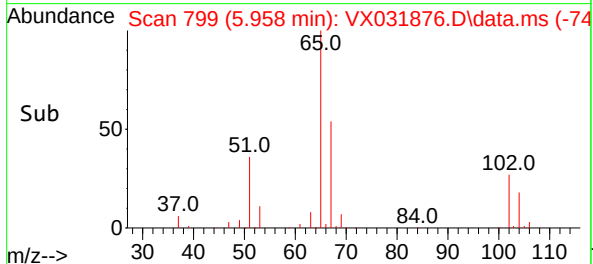
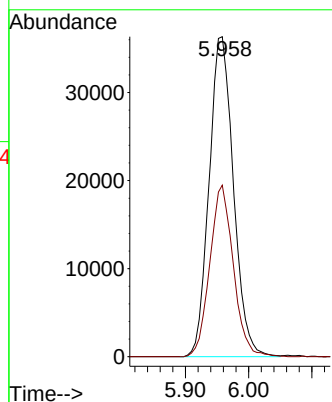
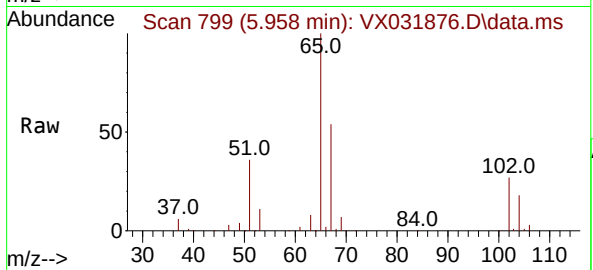




#33
 1,2-Dichloroethane-d4
 Concen: 40.355 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.006 min
 Lab File: VX031876.D
 Acq: 04 Oct 2022 17:52

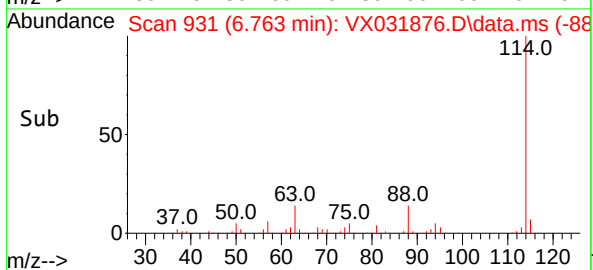
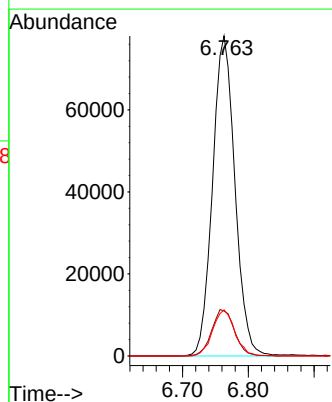
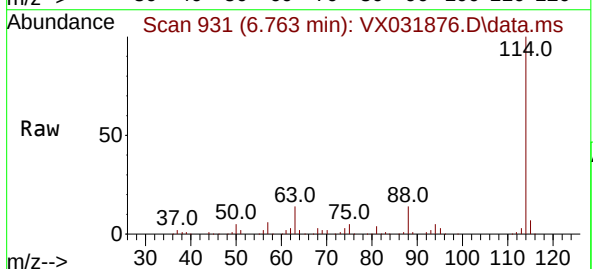
Instrument :
 MSVOA_X
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 EB-01-100322

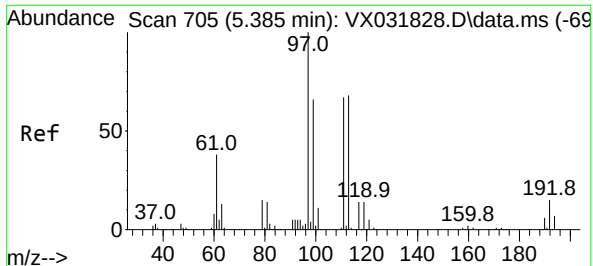
Tgt Ion: 65 Resp: 97114
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX031876.D
 Acq: 04 Oct 2022 17:52

Tgt Ion: 114 Resp: 184554
 Ion Ratio Lower Upper
 114 100
 63 14.0 0.0 42.6
 88 14.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 44.018 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031876.D

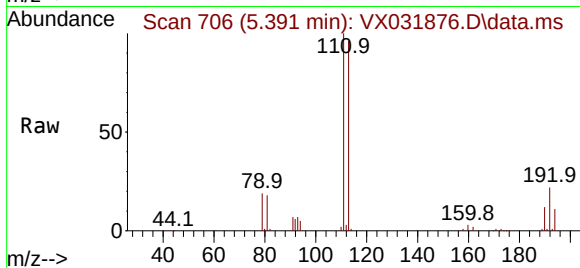
Acq: 04 Oct 2022 17:52

Instrument :

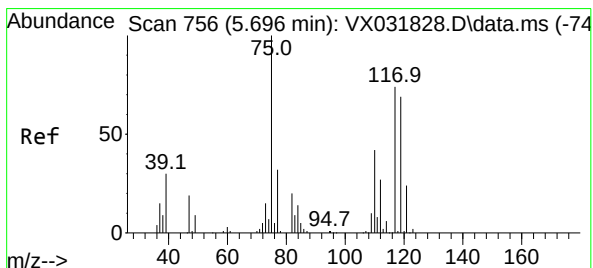
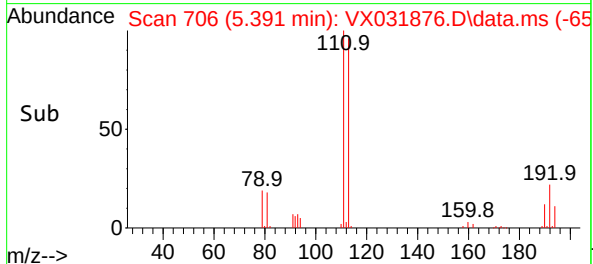
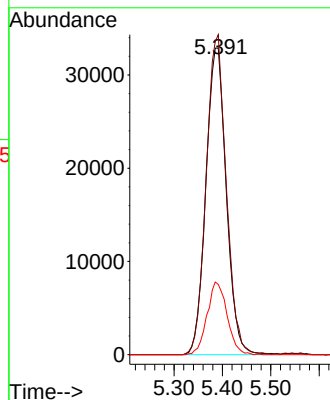
MSVOA_X

ClientSampleId :

EB-01-100322



Tgt Ion:	113	Resp:	96518
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	23.2	14.1	21.1#



#36

1,1-Dichloropropene

Concen: 2.784 ug/l

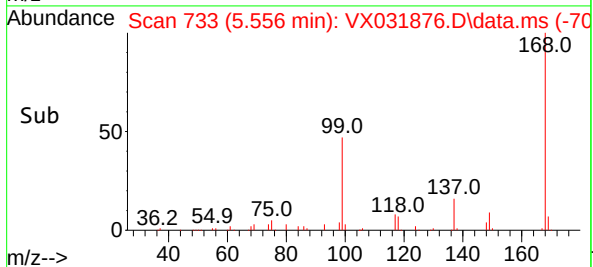
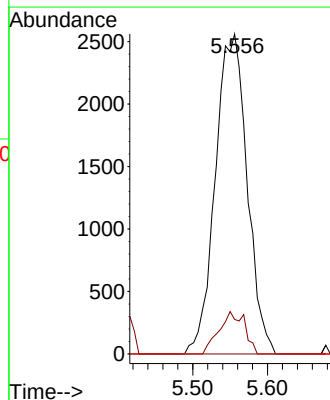
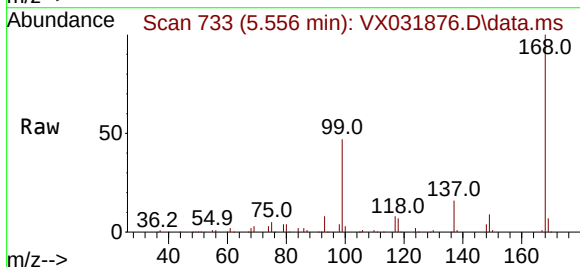
RT: 5.556 min Scan# 733

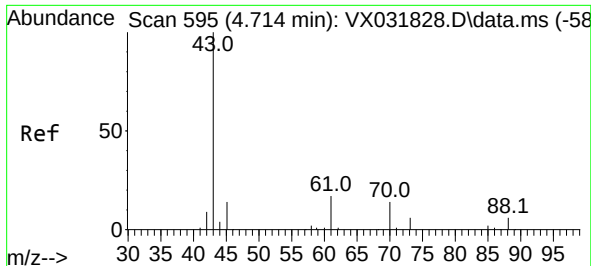
Delta R.T. -0.140 min

Lab File: VX031876.D

Acq: 04 Oct 2022 17:52

Tgt Ion:	75	Resp:	7569
Ion	Ratio	Lower	Upper
75	100		
110	10.7	17.5	52.5#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 0.447 ug/l

RT: 4.599 min Scan# 51

Delta R.T. -0.115 min

Lab File: VX031876.D

Acq: 04 Oct 2022 17:52

Instrument :

MSVOA_X

ClientSampleId :

EB-01-100322

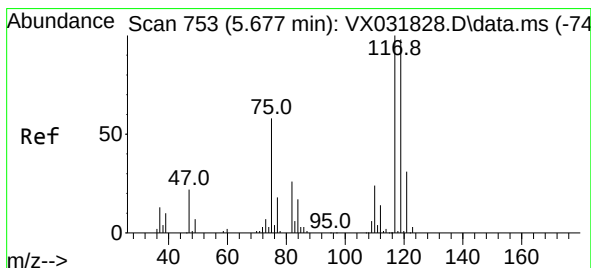
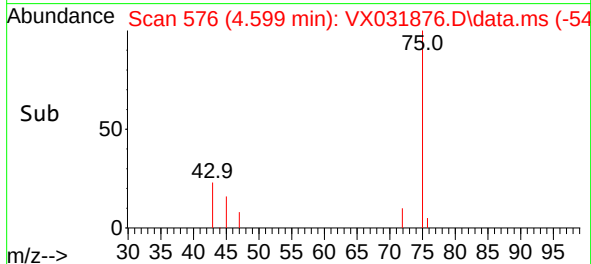
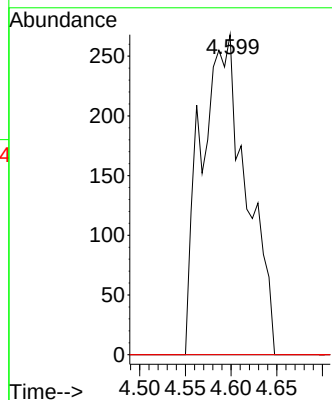
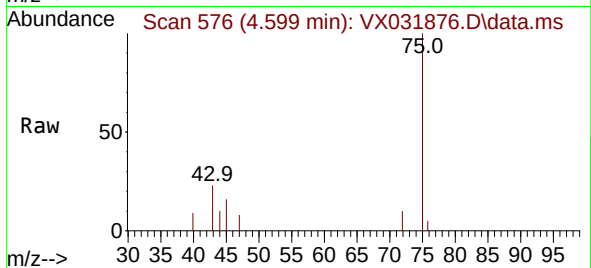
Tgt Ion: 43 Resp: 920

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.6 13.0#



#38

Carbon Tetrachloride

Concen: 3.656 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX031876.D

Acq: 04 Oct 2022 17:52

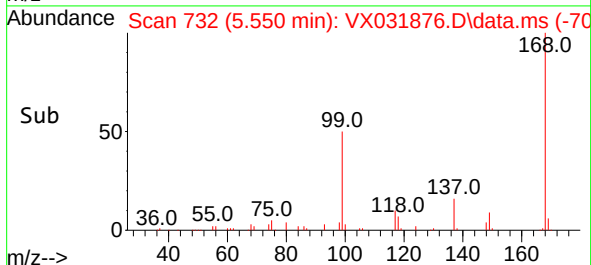
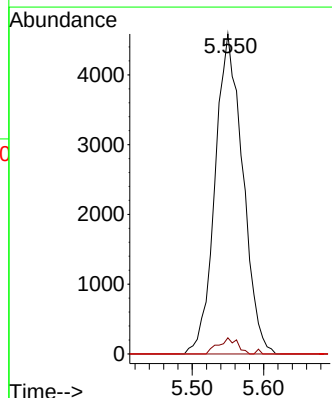
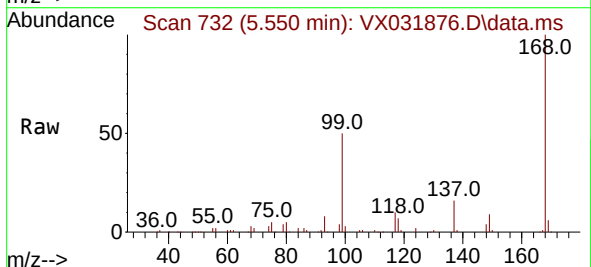
Tgt Ion: 117 Resp: 12339

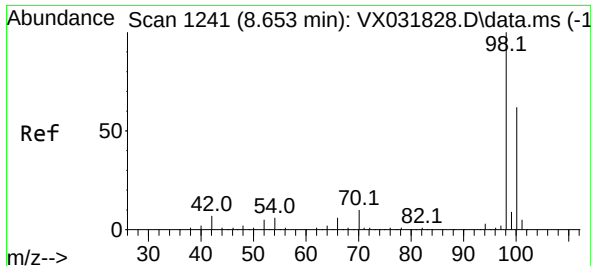
Ion Ratio Lower Upper

117 100

119 5.1 74.6 112.0#

121 0.0 25.3 37.9#

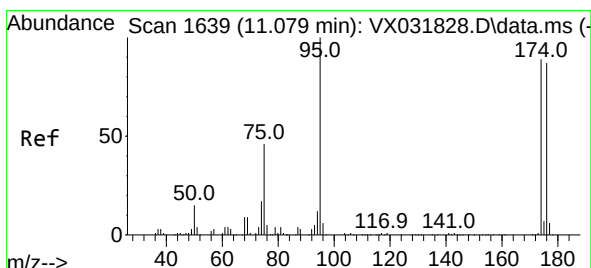
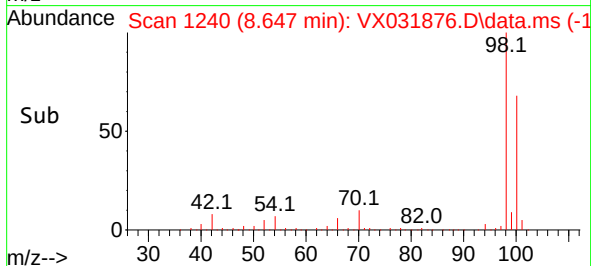
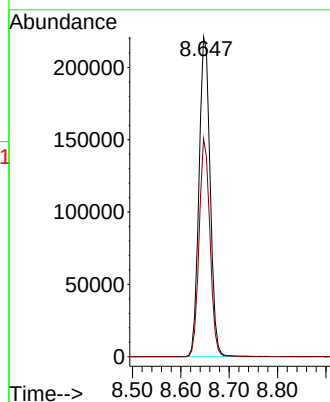
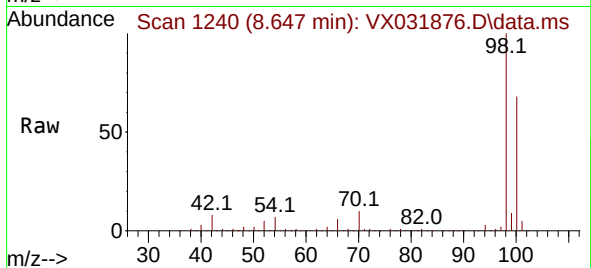




#50
Toluene-d8
Concen: 44.910 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

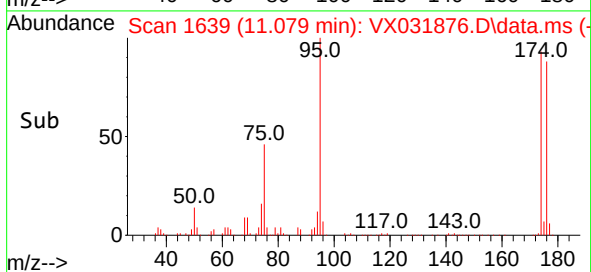
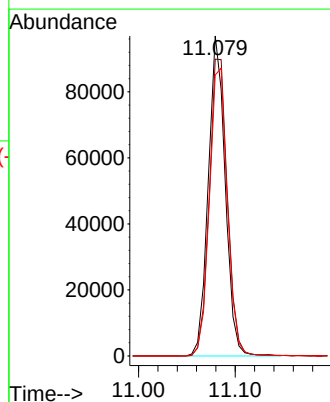
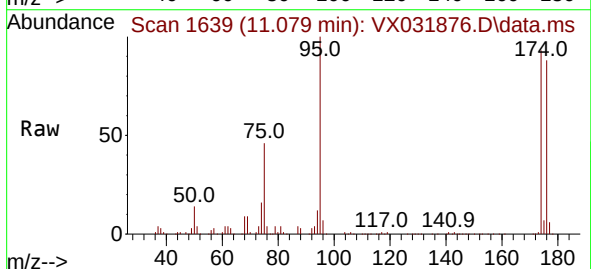
Instrument :
MSVOA_X
ClientSampleId :
EB-01-100322

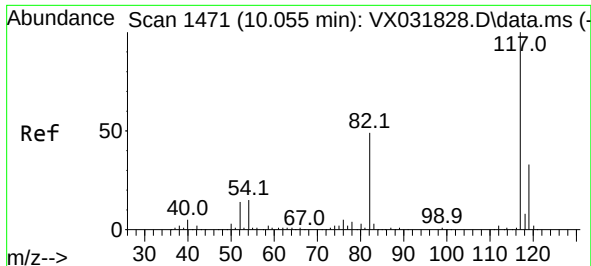
Tgt Ion: 98 Resp: 352277
Ion Ratio Lower Upper
98 100
100 66.4 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 41.844 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

Tgt Ion: 95 Resp: 118196
Ion Ratio Lower Upper
95 100
174 100.1 0.0 153.2
176 95.6 0.0 144.0

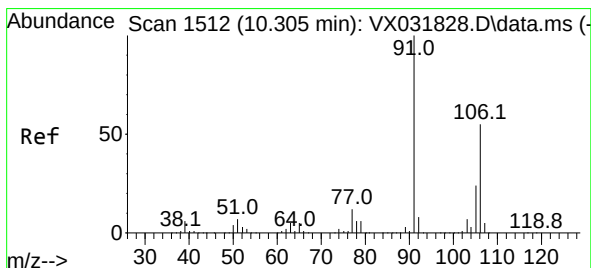
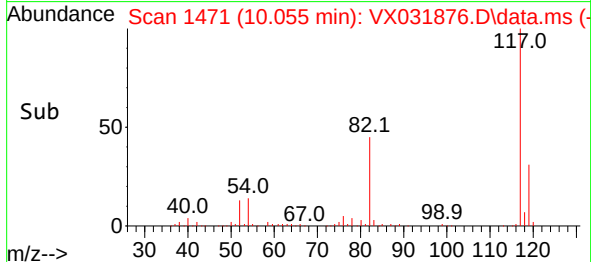
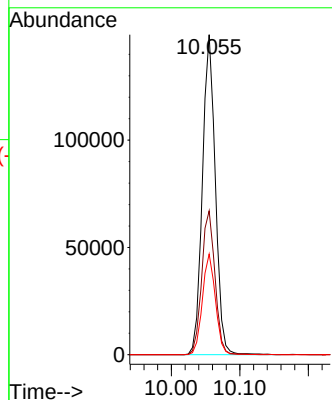
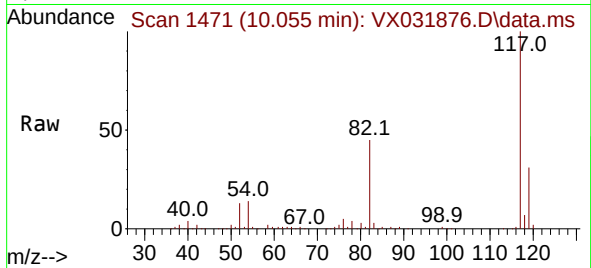




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

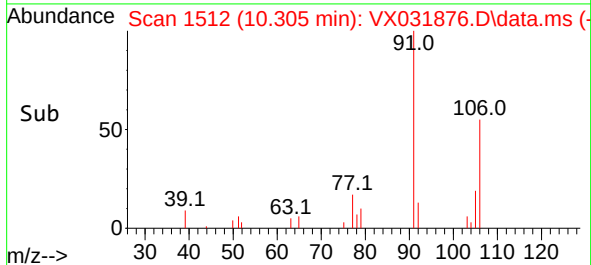
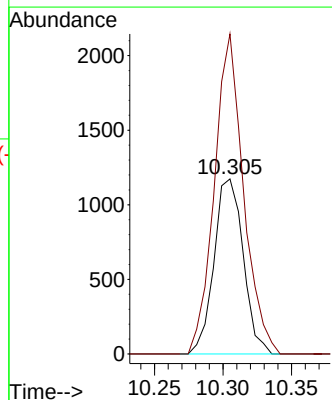
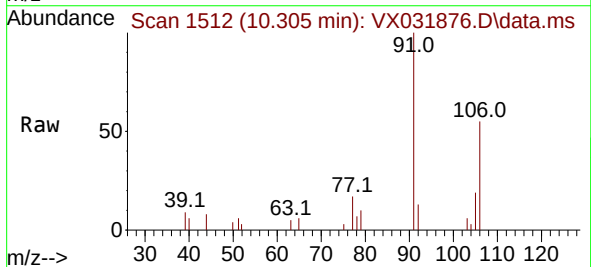
Instrument :
MSVOA_X
ClientSampleId :
EB-01-100322

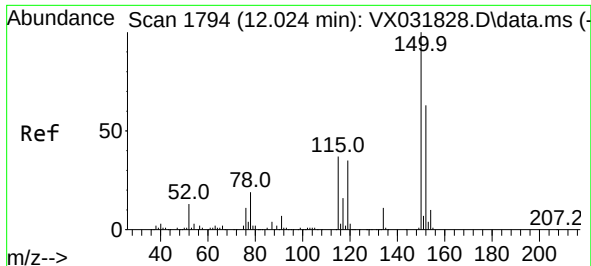
Tgt Ion:117 Resp: 196082
Ion Ratio Lower Upper
117 100
82 45.0 46.8 70.2#
119 31.5 26.4 39.6



#68
m/p-Xylenes
Concen: 0.430 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

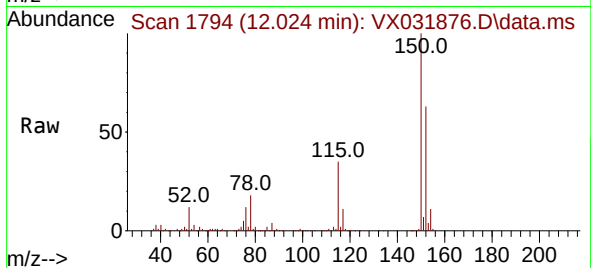
Tgt Ion:106 Resp: 1737
Ion Ratio Lower Upper
106 100
91 182.8 161.0 241.4



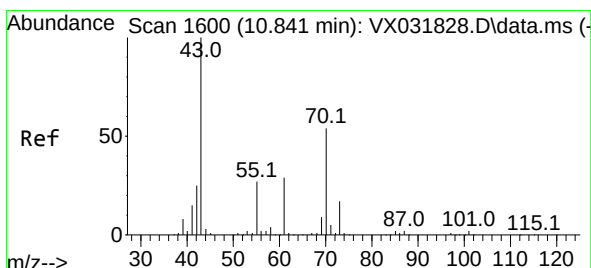
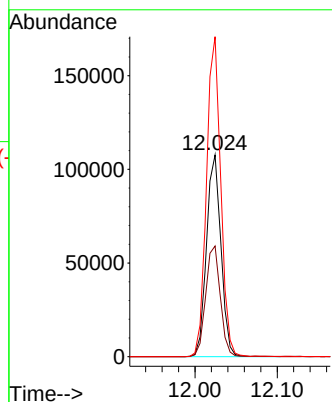
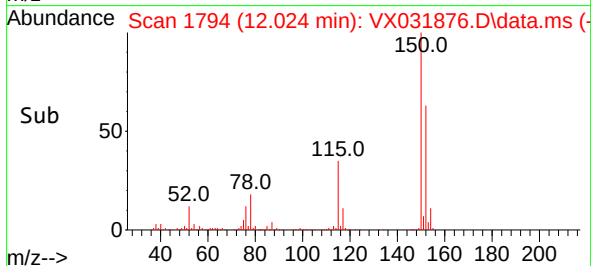


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

Instrument :
MSVOA_X
ClientSampleId :
EB-01-100322

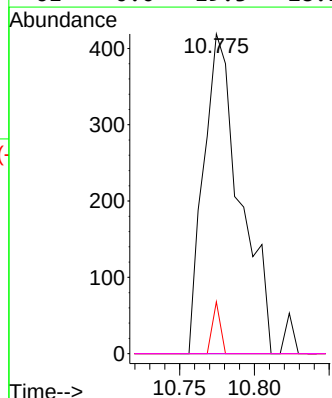
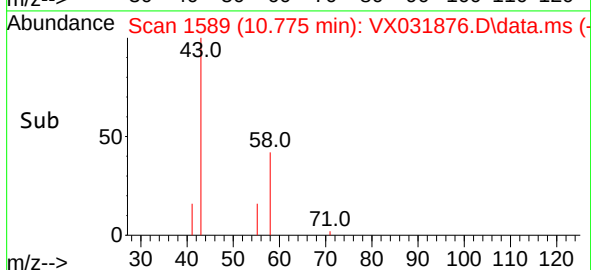
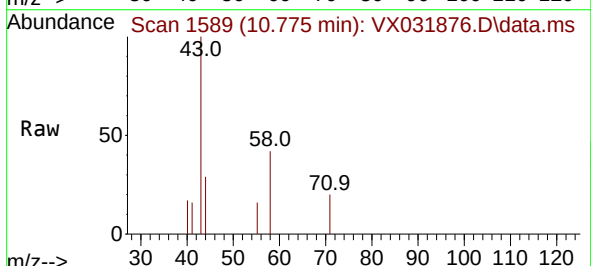


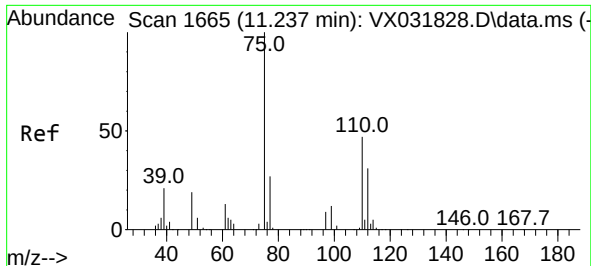
Tgt Ion:152 Resp: 131589
Ion Ratio Lower Upper
152 100
115 55.6 43.4 130.1
150 156.3 0.0 346.8



#74
N-ethyl acetate
Concen: 0.326 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

Tgt Ion: 43 Resp: 710
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.2#
55 3.5 18.2 27.2#
61 0.0 19.3 28.9#

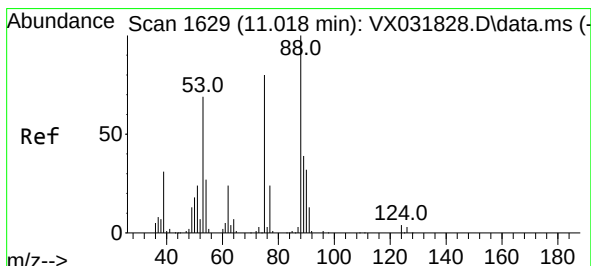
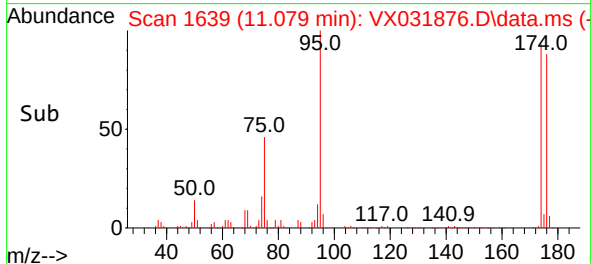
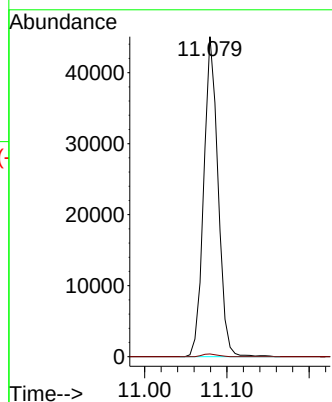
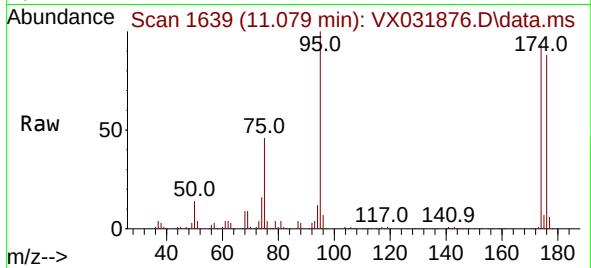




#76
1,2,3-Trichloropropane
Concen: 22.804 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

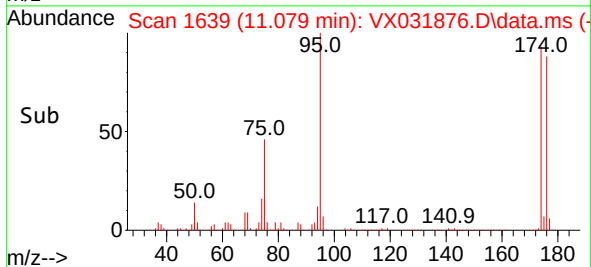
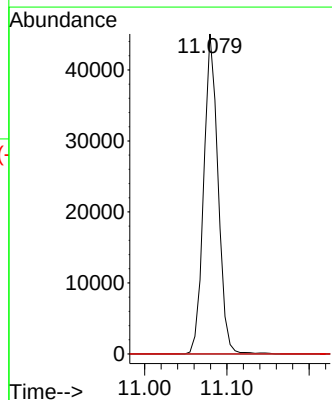
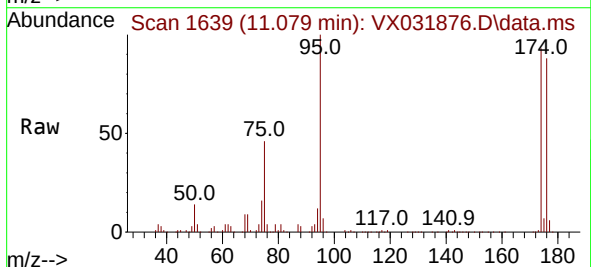
Instrument :
MSVOA_X
ClientSampleId :
EB-01-100322

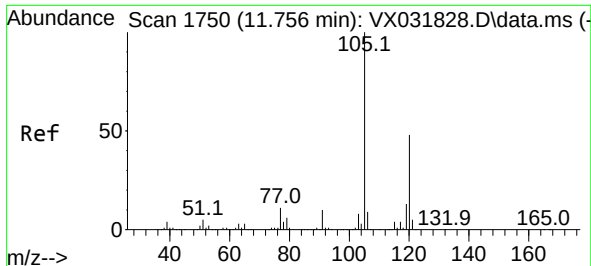
Tgt Ion: 75 Resp: 54596
Ion Ratio Lower Upper
75 100
77 0.9 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.283 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031876.D
Acq: 04 Oct 2022 17:52

Tgt Ion: 75 Resp: 54596
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

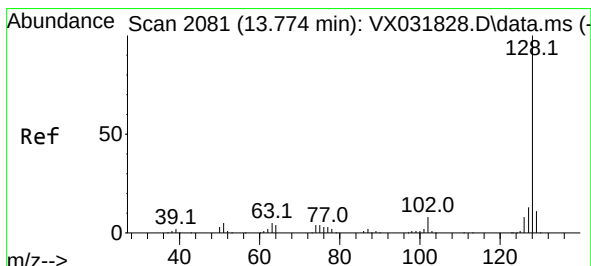
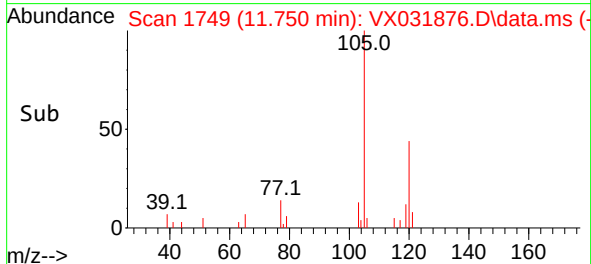
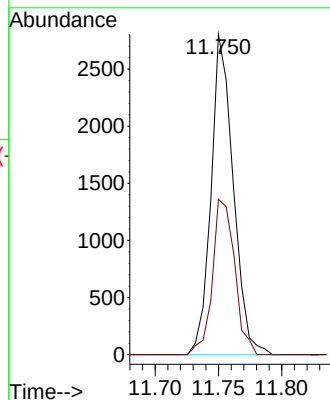
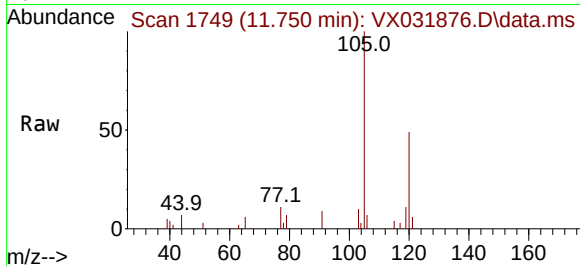




#84
 1,2,4-Trimethylbenzene
 Concen: 0.443 ug/l
 RT: 11.750 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX031876.D
 Acq: 04 Oct 2022 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-01-100322

Tgt Ion:105 Resp: 3423
 Ion Ratio Lower Upper
 105 100
 120 48.6 22.6 67.8



#95
 Naphthalene
 Concen: 0.682 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX031876.D
 Acq: 04 Oct 2022 17:52

Tgt Ion:128 Resp: 6020
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.4 15.6
 129 11.9 8.8 13.2

