

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092622\
 Data File : VX031671.D
 Acq On : 27 Sep 2022 00:48
 Operator : JC/MD
 Sample : N4791-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW5-GW-538-540

Quant Time: Sep 27 01:57:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

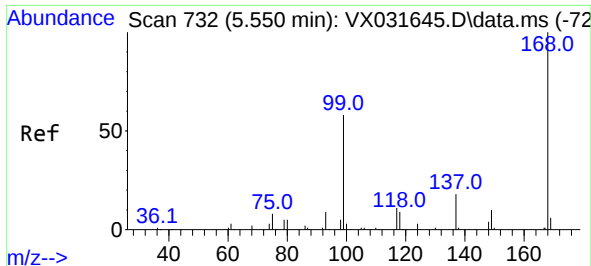
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	50301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	78705	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	86175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54145	50.717	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.440%			
35) Dibromofluoromethane	5.385	113	44008	46.928	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.860%			
50) Toluene-d8	8.647	98	165959	48.813	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.620%			
62) 4-Bromofluorobenzene	11.079	95	53473	42.912	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 85.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	319	0.521	ug/l	75
3) Chloromethane	1.288	50	99	Below Cal	#	41
5) Bromomethane	1.611	94	442	Below Cal		91
6) Chloroethane	1.684	64	232	Below Cal	#	43
7) Trichlorofluoromethane	1.886	101	558	Below Cal	#	62
9) 1,1,2-Trichlorotrifluo...	2.331	101	3961	5.924	ug/l	# 86
12) 1,1-Dichloroethene	2.325	96	508	Below Cal	#	67
16) Acetone	2.392	43	1824	Below Cal		89
17) Carbon Disulfide	2.507	76	221	Below Cal	#	75
20) Methylene Chloride	2.794	84	45	Below Cal	#	4
25) 2-Butanone	4.574	43	271	0.532	ug/l	# 49
27) cis-1,2-Dichloroethene	4.495	96	1799	1.987	ug/l	72
30) Chloroform	5.098	83	680	0.423	ug/l	87
31) Cyclohexane	5.550	56	1184	1.166	ug/l	# 50
36) 1,1-Dichloropropene	5.556	75	3931	3.650	ug/l	# 45
37) Ethyl Acetate	4.574	43	271	0.249	ug/l	# 68
38) Carbon Tetrachloride	5.550	117	5062	4.171	ug/l	# 18
39) Methylcyclohexane	7.123	83	1782	1.452	ug/l	# 1
44) Trichloroethene	7.129	130	146608	156.921	ug/l	90
49) 1,4-Dioxane	7.702	88	288	Below Cal	#	56
51) 4-Methyl-2-Pentanone	8.647	43	769	0.711	ug/l	# 1
60) Dibromochloromethane	9.275	129	2469	3.699	ug/l	# 11
64) Tetrachloroethene	9.275	164	3054	3.316	ug/l	# 86
76) 1,2,3-Trichloropropane	11.079	75	29792	30.790	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	29792	101.406	ug/l	# 11

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

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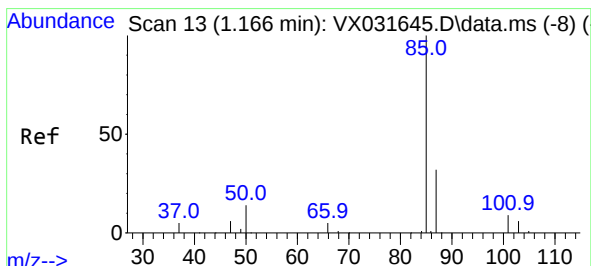
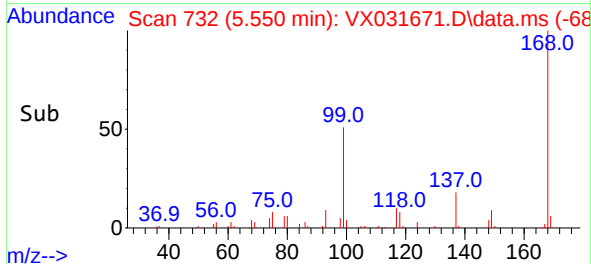
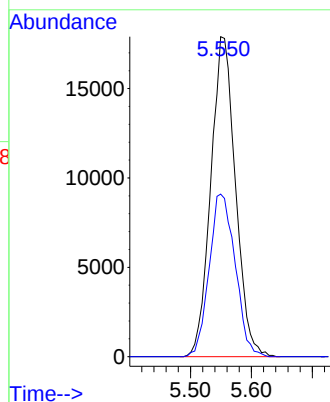
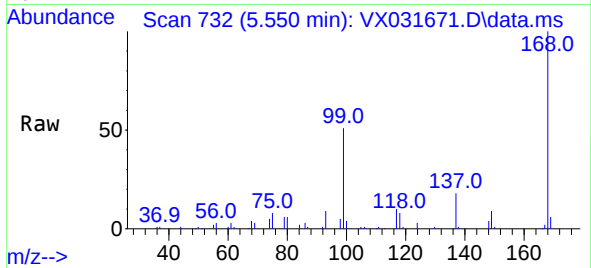




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

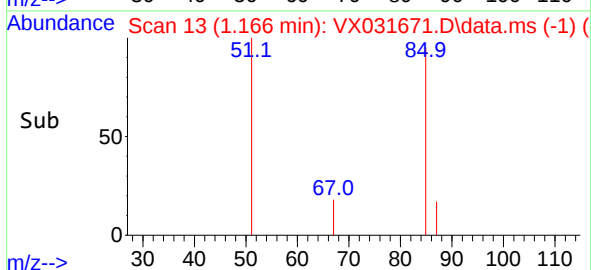
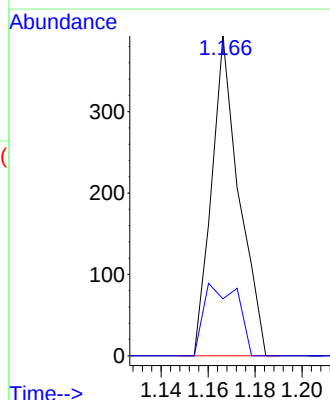
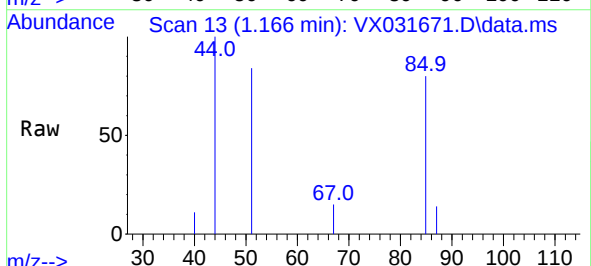
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-538-540

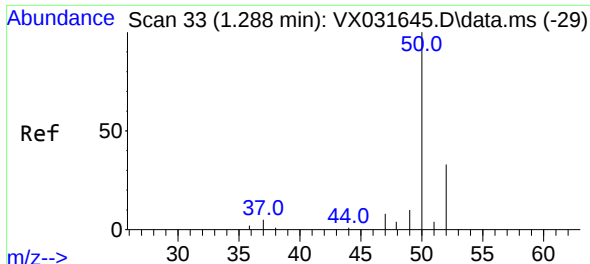
Tgt Ion:168 Resp: 50301
Ion Ratio Lower Upper
168 100
99 50.8 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.521 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

Tgt Ion: 85 Resp: 319
Ion Ratio Lower Upper
85 100
87 17.8 15.8 47.4

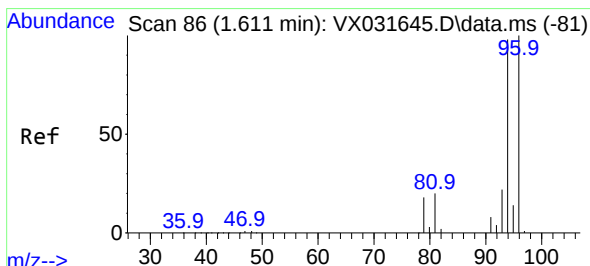
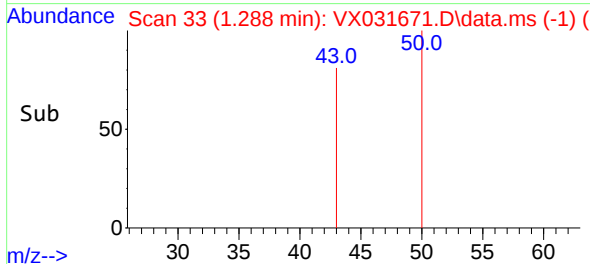
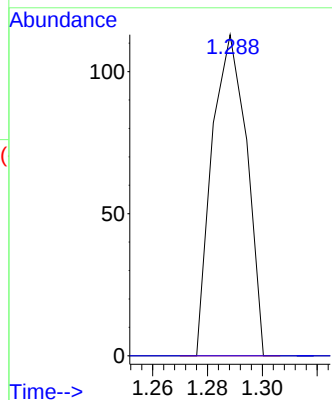
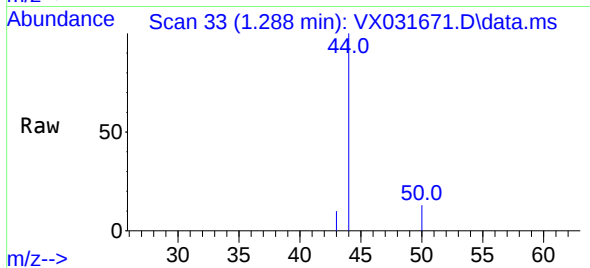




#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

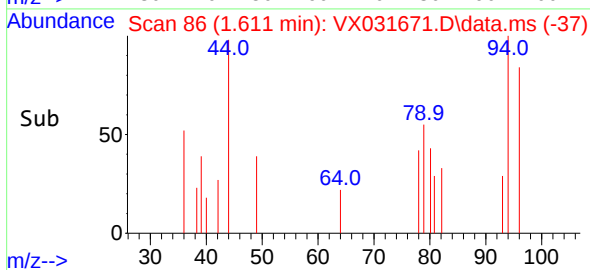
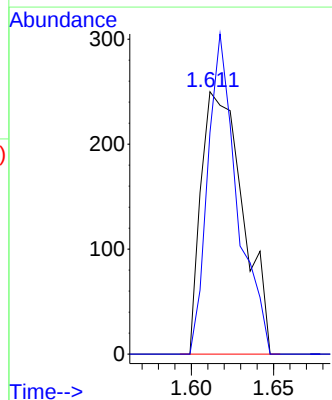
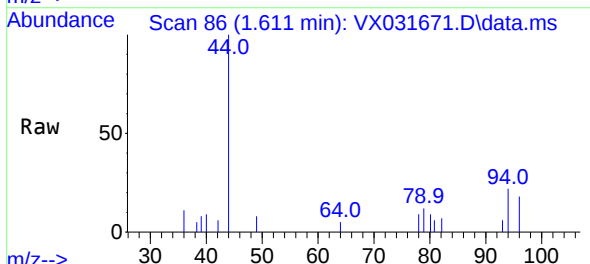
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-538-540

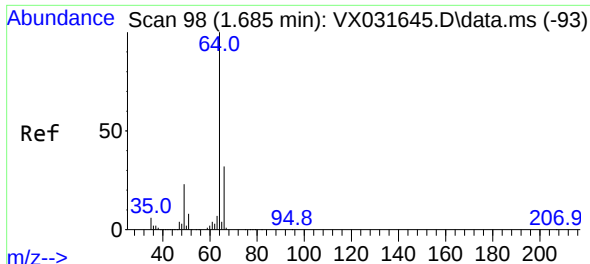
Tgt Ion: 50 Resp: 99
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

Tgt Ion: 94 Resp: 442
Ion Ratio Lower Upper
94 100
96 84.4 74.4 111.6

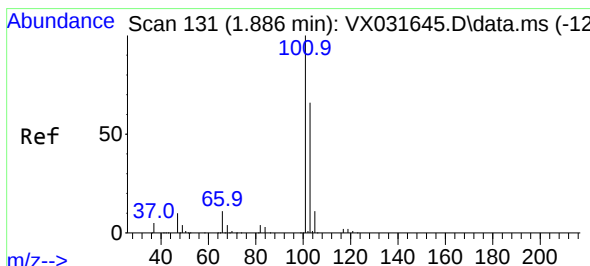
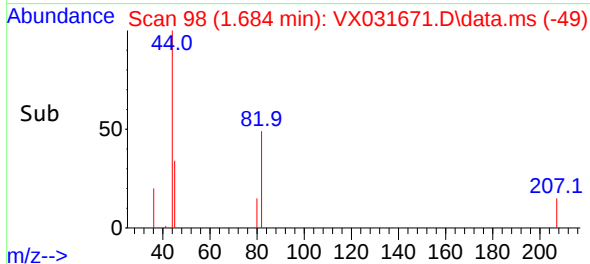
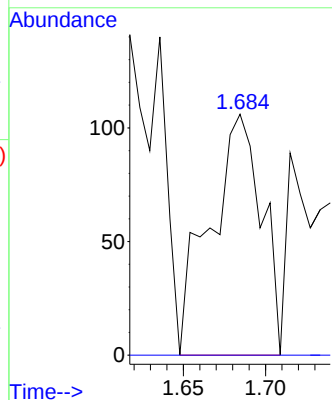
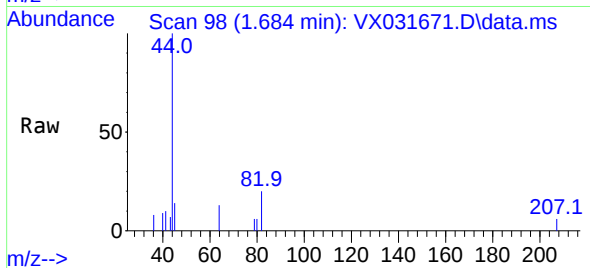




#6
Chloroethane
Concen: Below Cal
RT: 1.684 min Scan# 91
Delta R.T. -0.001 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

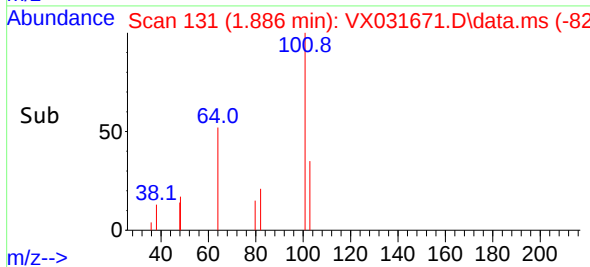
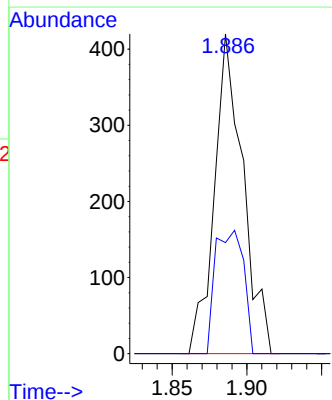
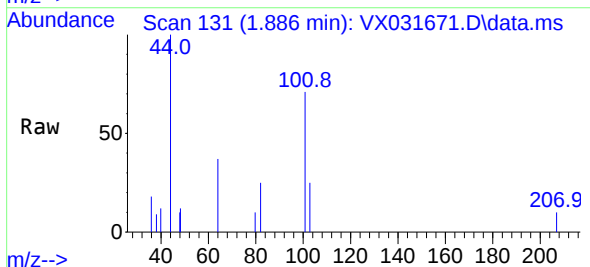
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-538-540

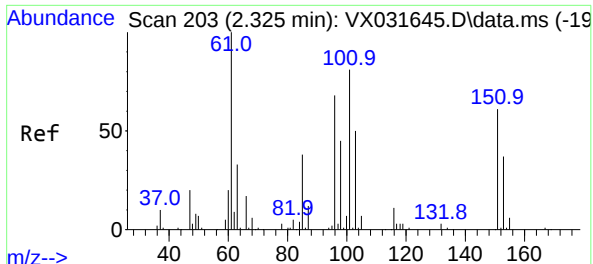
Tgt Ion: 64 Resp: 232
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 1.886 min Scan# 131
Delta R.T. -0.000 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

Tgt Ion: 101 Resp: 558
Ion Ratio Lower Upper
101 100
103 34.8 51.8 77.6#

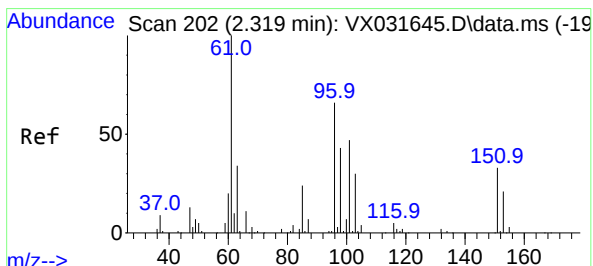
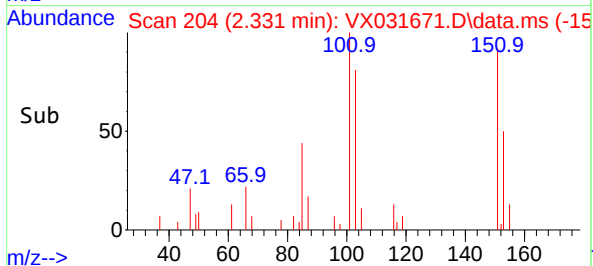
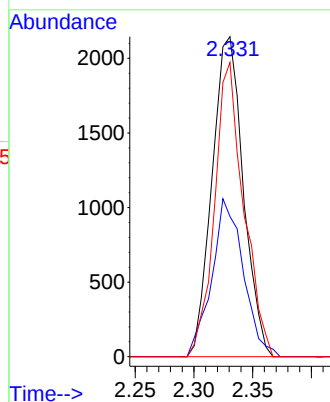
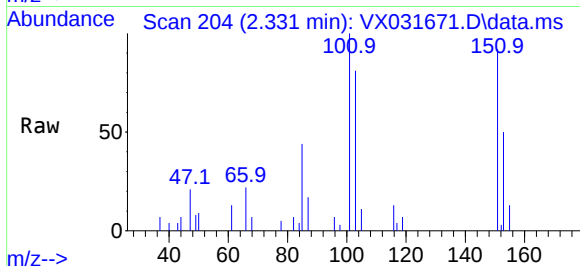




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.924 ug/l
RT: 2.331 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

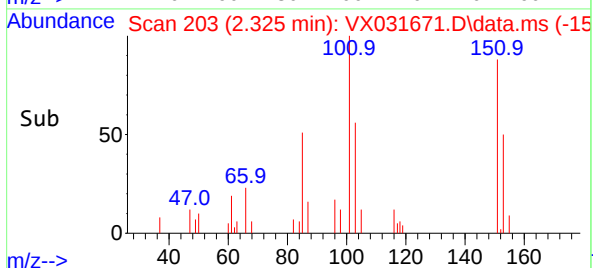
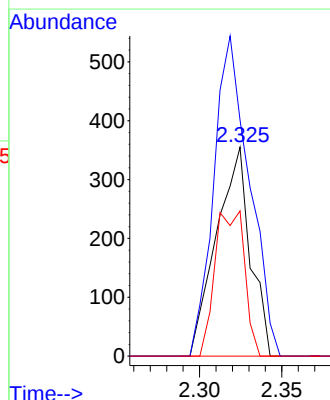
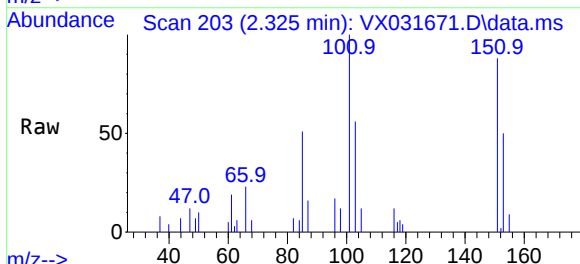
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-538-540

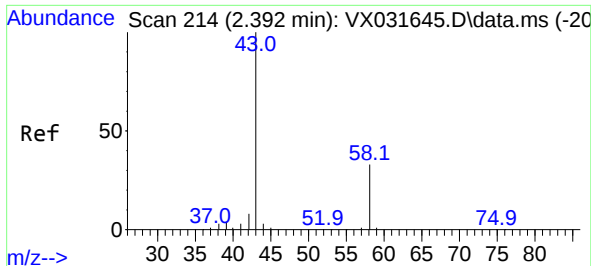
Tgt Ion:101 Resp: 3961
Ion Ratio Lower Upper
101 100
85 49.9 38.6 57.8
151 85.9 54.0 81.0#



#12
1,1-Dichloroethene
Concen: Below Cal
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

Tgt Ion: 96 Resp: 508
Ion Ratio Lower Upper
96 100
61 113.0 135.3 202.9#
98 69.6 49.4 74.2

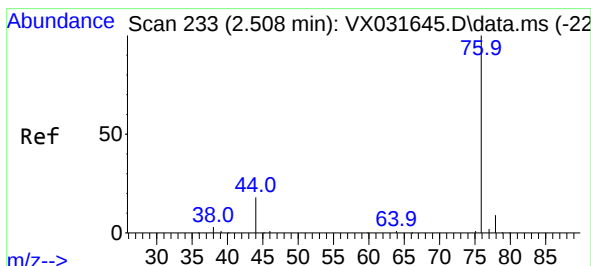
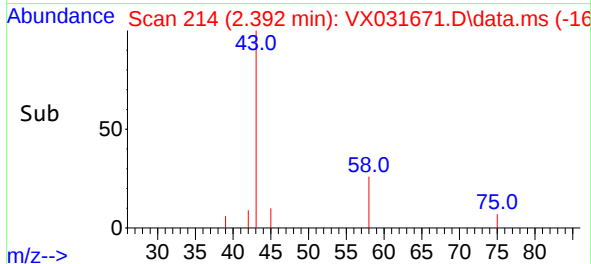
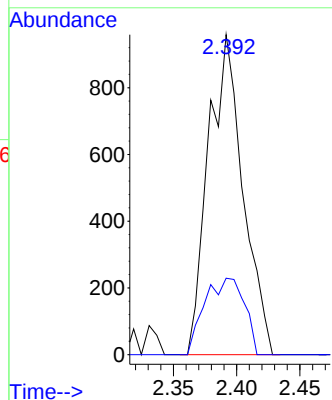
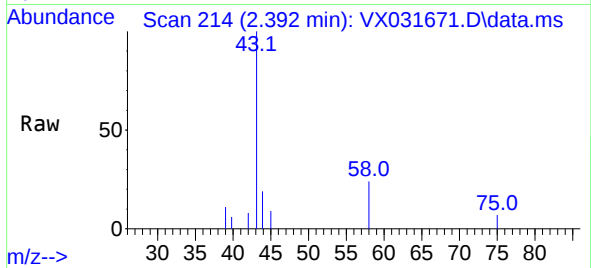




#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

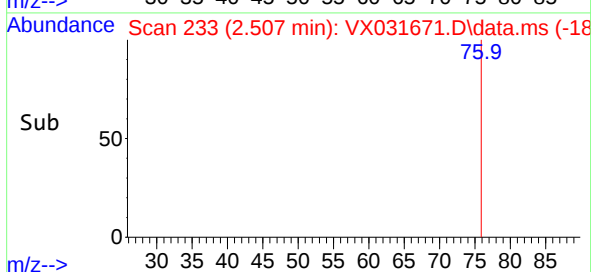
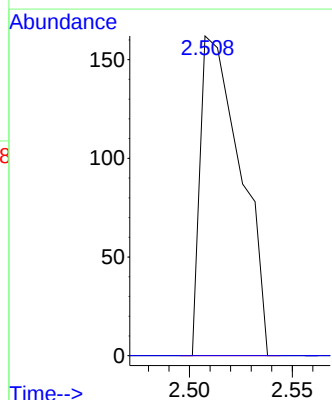
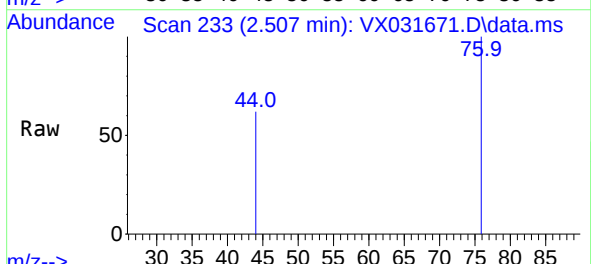
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-538-540

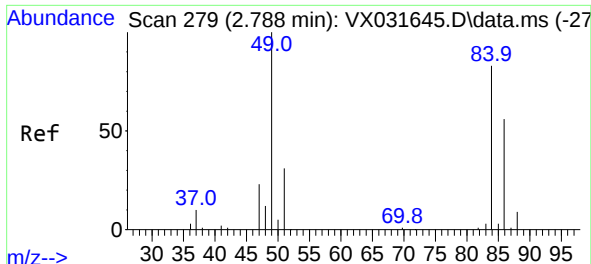
Tgt Ion: 43 Resp: 1824
Ion Ratio Lower Upper
43 100
58 23.9 23.8 35.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.507 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

Tgt Ion: 76 Resp: 221
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

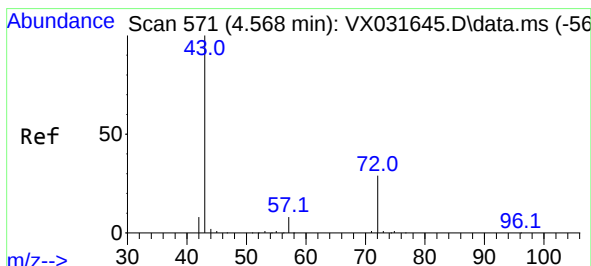
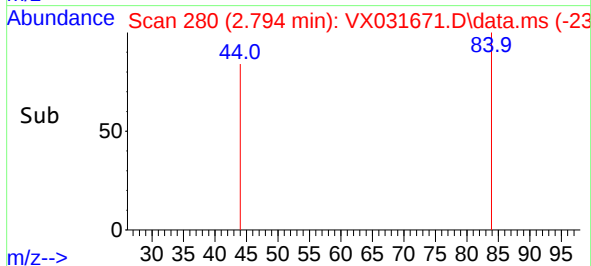
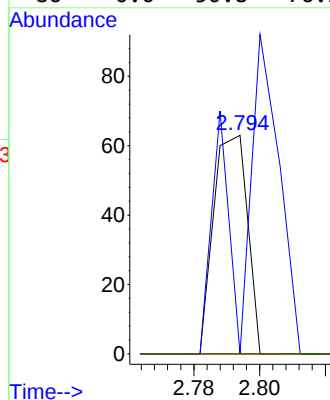
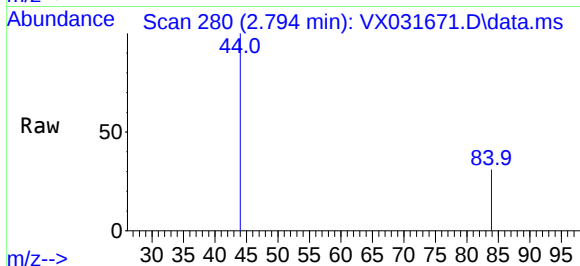




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

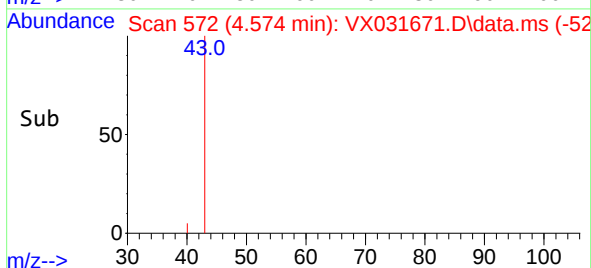
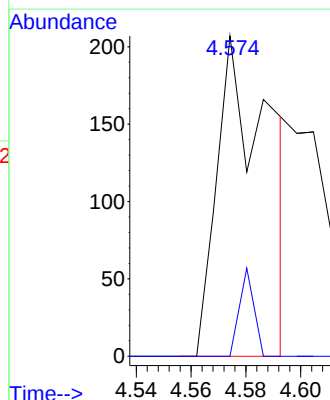
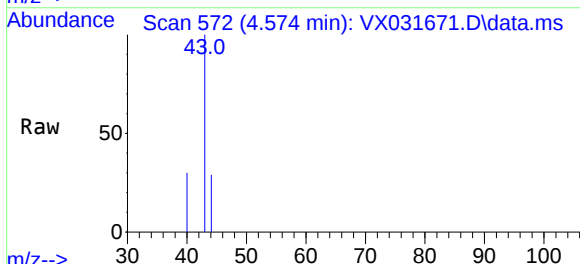
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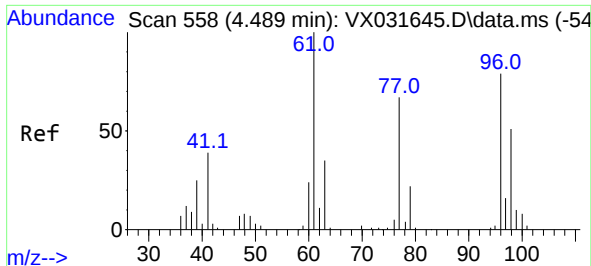
Tgt Ion:	84	Resp:	45
Ion	Ratio	Lower	Upper
84	100		
49	0.0	105.9	158.9#
51	0.0	32.2	48.2#
86	0.0	50.8	76.2#



#25
2-Butanone
Concen: 0.532 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

Tgt Ion:	43	Resp:	271
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.1	31.7#





#27

cis-1,2-Dichloroethene

Concen: 1.987 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX031671.D

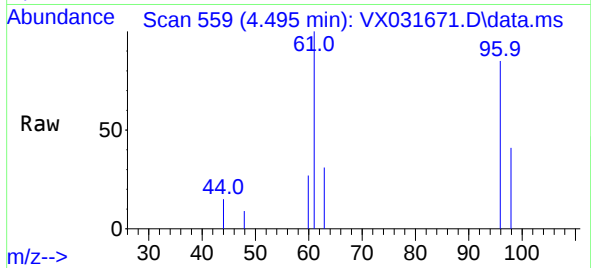
Acq: 27 Sep 2022 00:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW5-GW-538-540



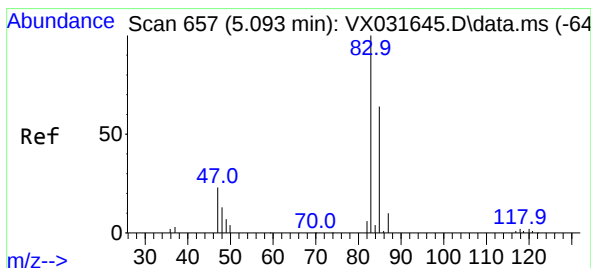
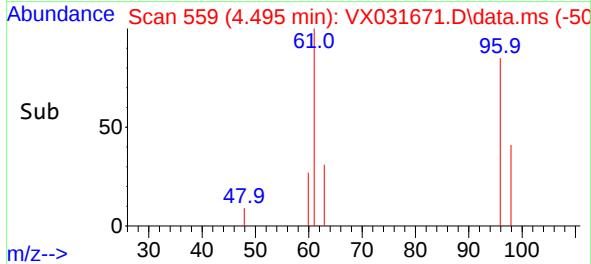
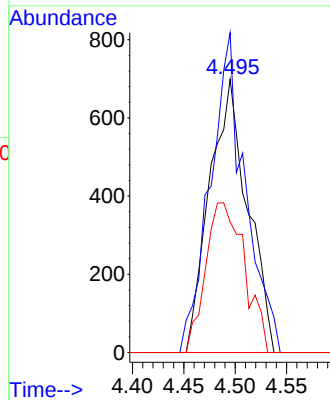
Tgt Ion: 96 Resp: 1799

Ion Ratio Lower Upper

96 100

61 107.7 0.0 305.2

98 56.2 0.0 128.4



#30

Chloroform

Concen: 0.423 ug/l

RT: 5.098 min Scan# 658

Delta R.T. -0.001 min

Lab File: VX031671.D

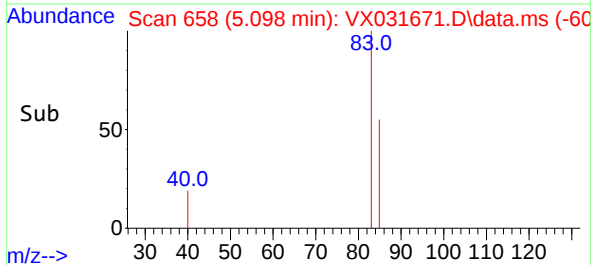
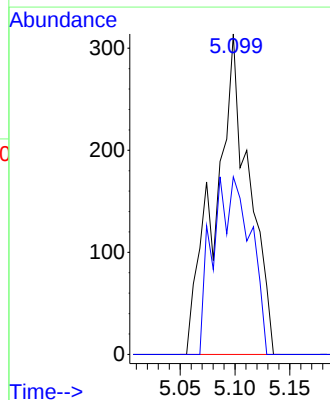
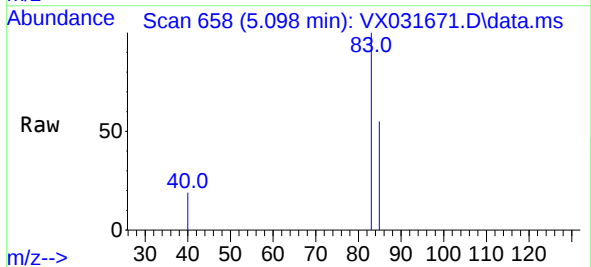
Acq: 27 Sep 2022 00:48

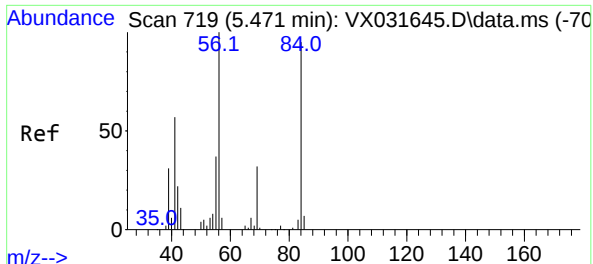
Tgt Ion: 83 Resp: 680

Ion Ratio Lower Upper

83 100

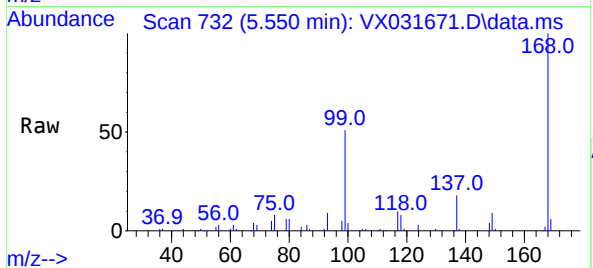
85 55.4 52.8 79.2



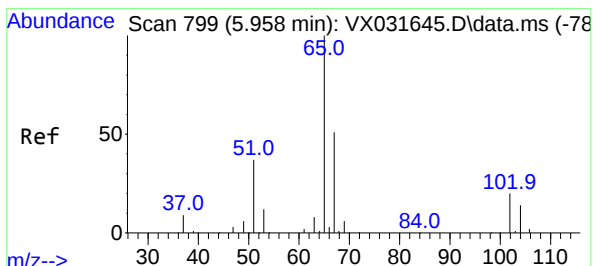
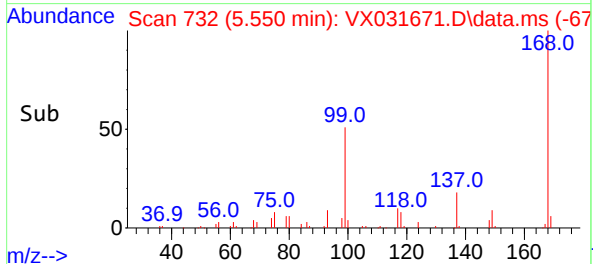
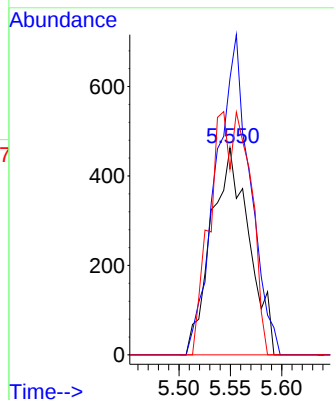


#31
Cyclohexane
Concen: 1.166 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-538-540

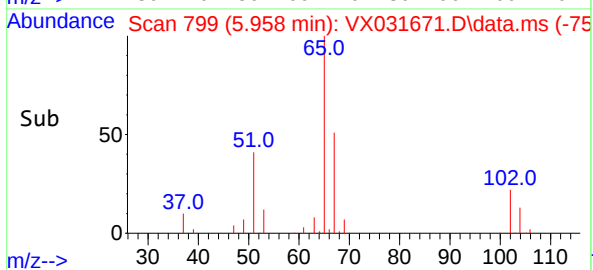
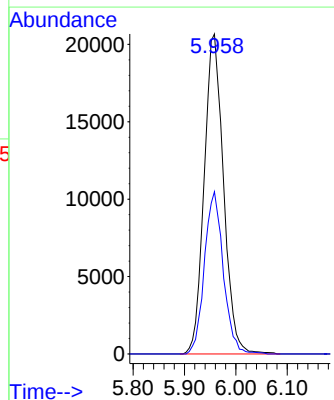
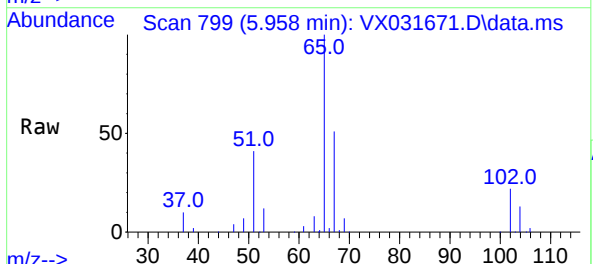


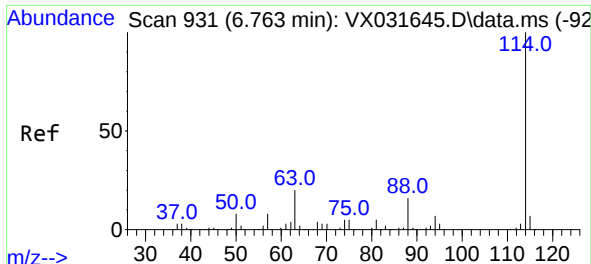
Tgt Ion: 56 Resp: 1184
Ion Ratio Lower Upper
56 100
69 133.5 25.1 37.7#
84 89.6 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 50.717 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

Tgt Ion: 65 Resp: 54145
Ion Ratio Lower Upper
65 100
67 49.4 0.0 102.4

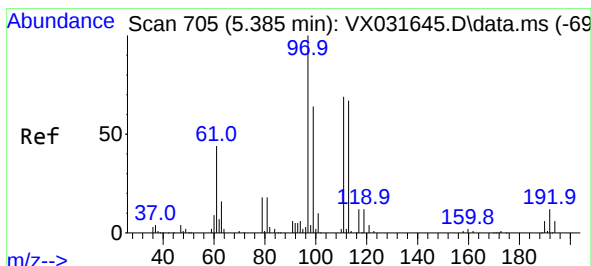
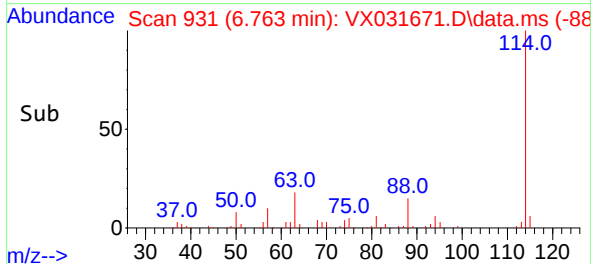
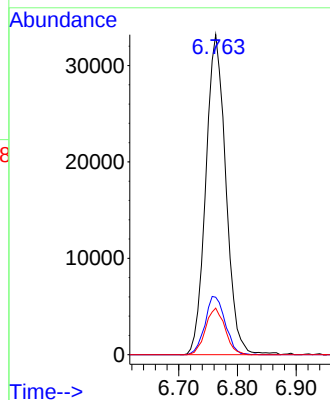
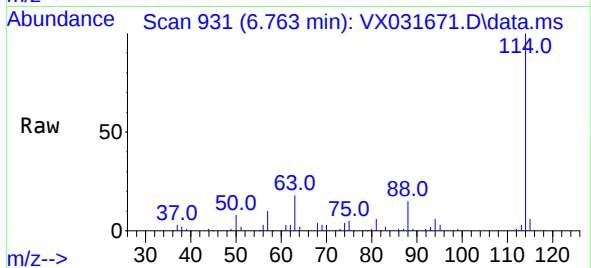




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

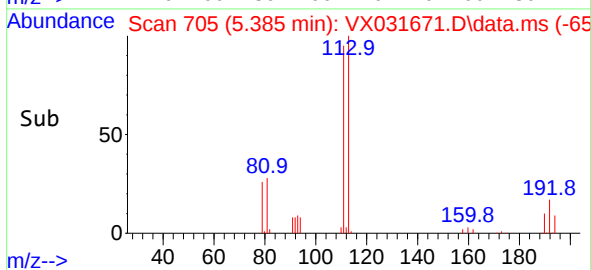
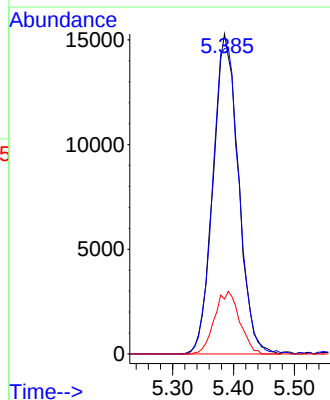
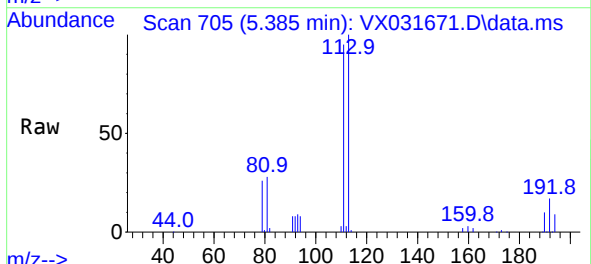
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-538-540

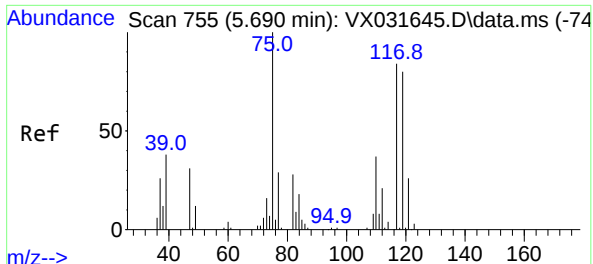
Tgt Ion:114 Resp: 78705
Ion Ratio Lower Upper
114 100
63 18.0 0.0 42.6
88 14.6 0.0 33.0



#35
Dibromofluoromethane
Concen: 46.928 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

Tgt Ion:113 Resp: 44008
Ion Ratio Lower Upper
113 100
111 100.4 82.4 123.6
192 19.3 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.650 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX031671.D

Acq: 27 Sep 2022 00:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW5-GW-538-540

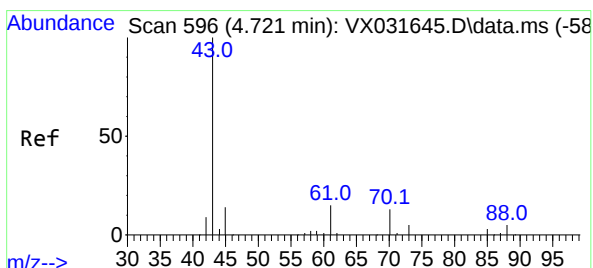
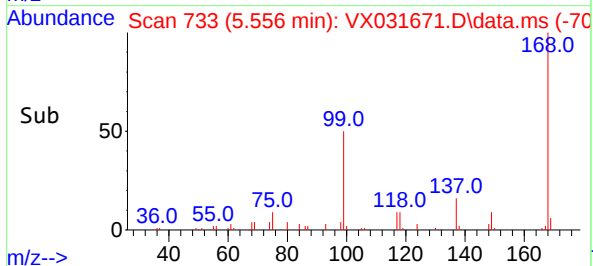
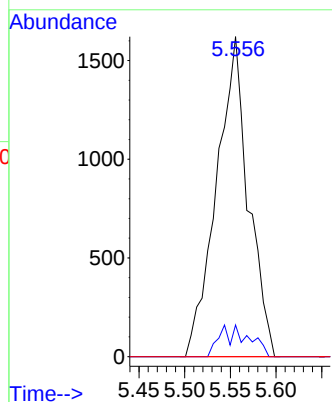
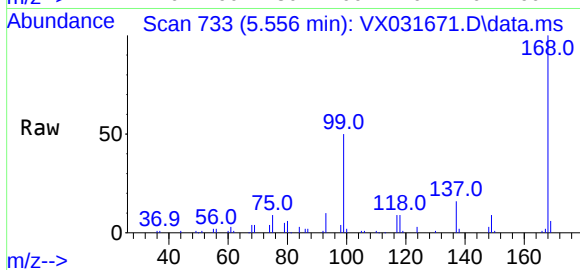
Tgt Ion: 75 Resp: 3931

Ion Ratio Lower Upper

75 100

110 3.5 17.5 52.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 0.249 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.147 min

Lab File: VX031671.D

Acq: 27 Sep 2022 00:48

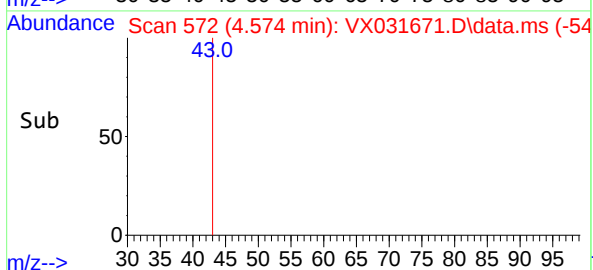
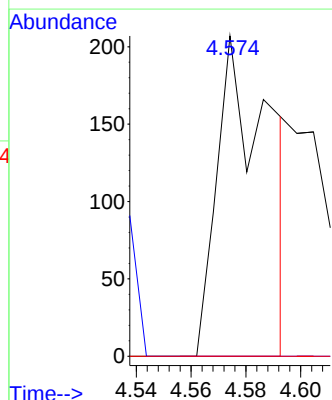
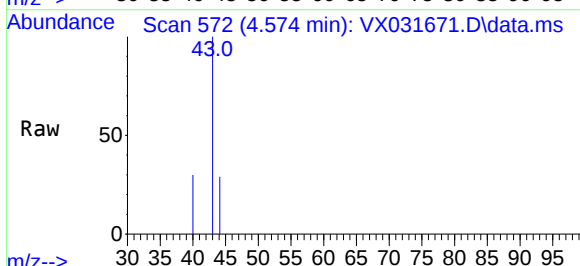
Tgt Ion: 43 Resp: 271

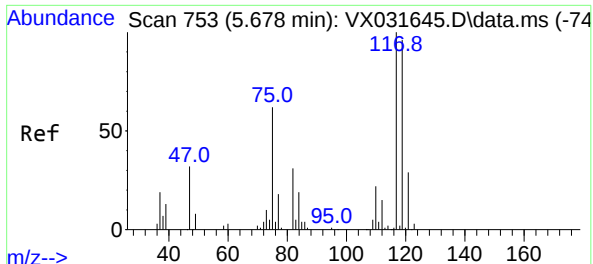
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

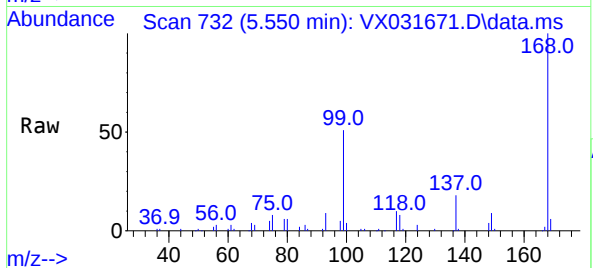
70 0.0 8.6 13.0#



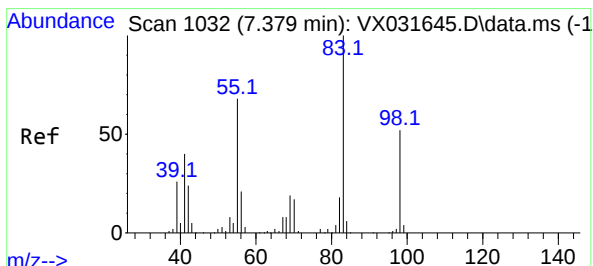
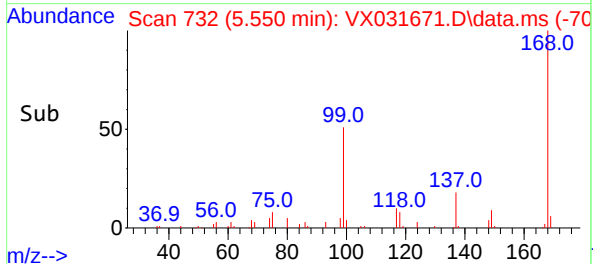
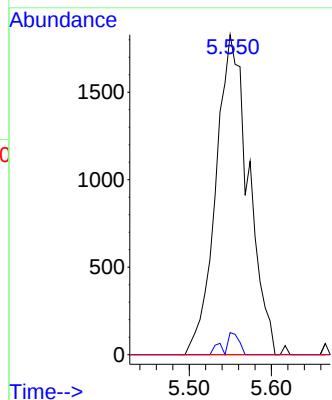


#38
Carbon Tetrachloride
Concen: 4.171 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-538-540

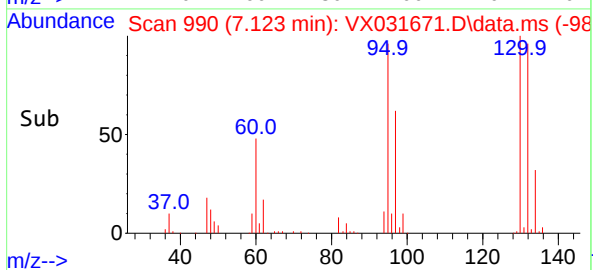
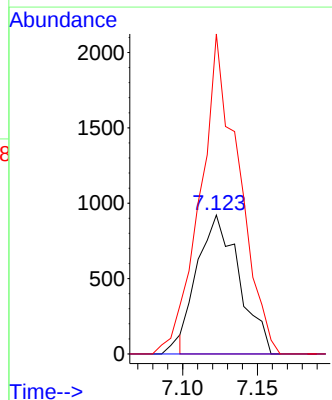
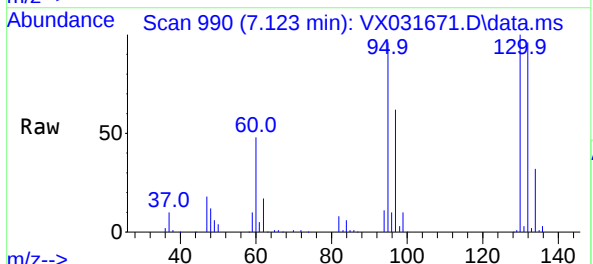


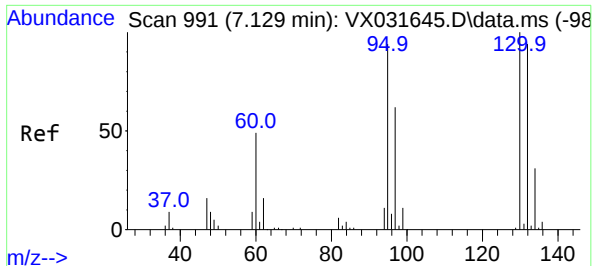
Tgt Ion:117 Resp: 5062
Ion Ratio Lower Upper
117 100
119 6.9 74.6 112.0#
121 0.0 25.3 37.9#



#39
Methylcyclohexane
Concen: 1.452 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

Tgt Ion: 83 Resp: 1782
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.4#
98 230.5 37.7 56.5#

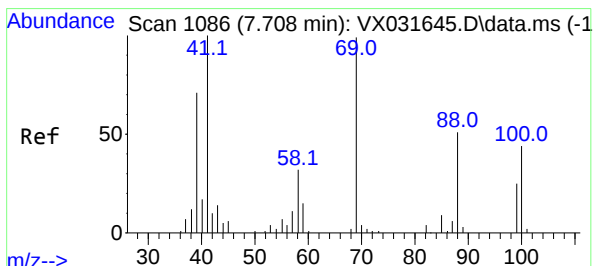
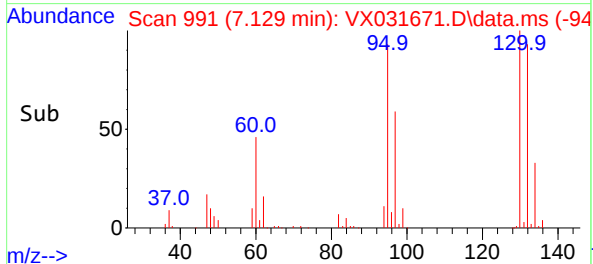
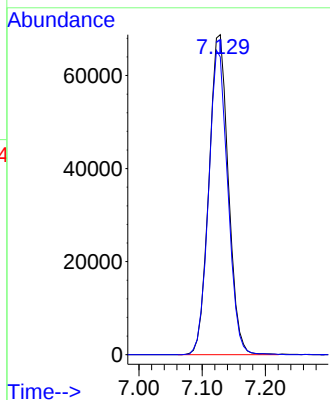
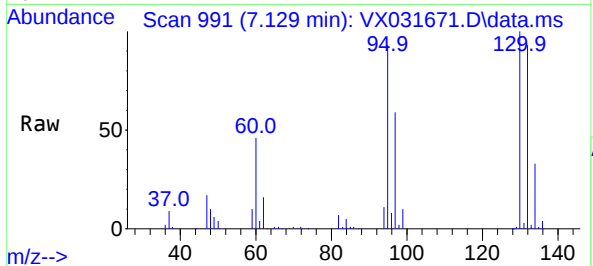




#44
Trichloroethene
Concen: 156.921 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

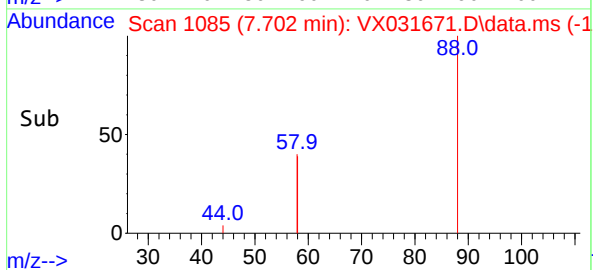
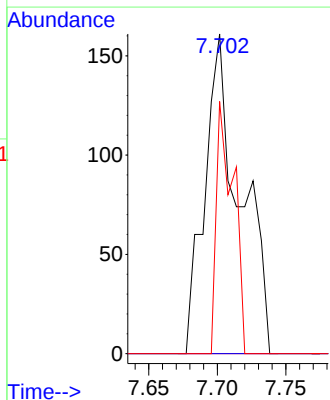
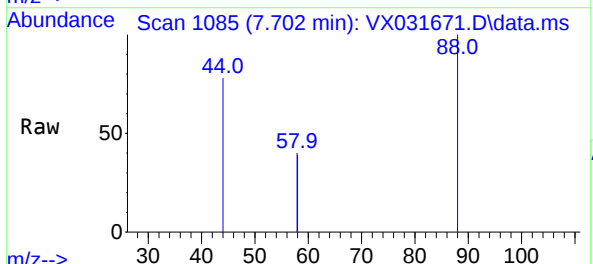
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-538-540

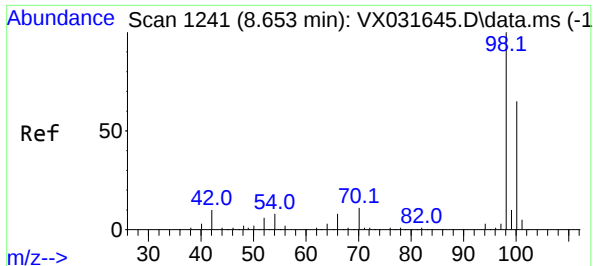
Tgt Ion:130 Resp: 146608
Ion Ratio Lower Upper
130 100
95 93.1 0.0 206.8



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.702 min Scan# 1085
Delta R.T. 0.018 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

Tgt Ion: 88 Resp: 288
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 38.2 53.9 80.9#





#50

Toluene-d8

Concen: 48.813 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX031671.D

Acq: 27 Sep 2022 00:48

Instrument :

MSVOA_X

ClientSampleId :

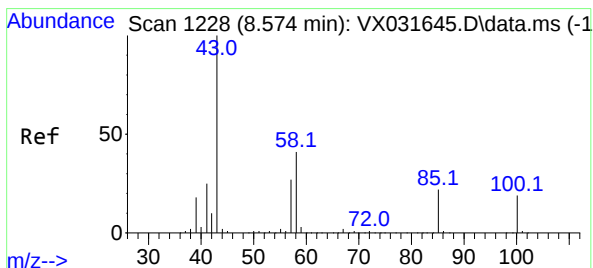
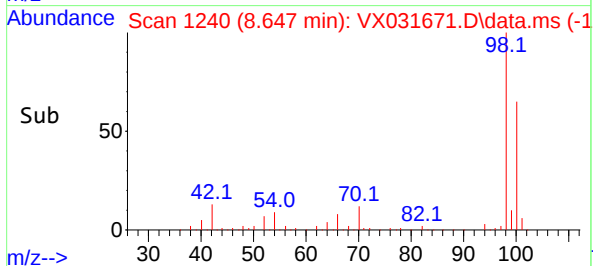
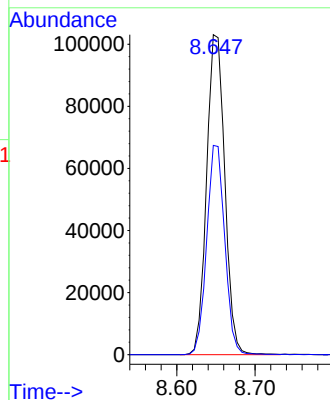
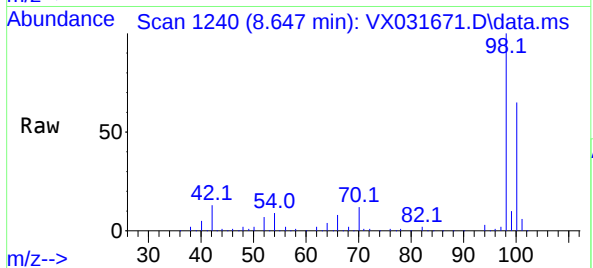
BP-VPB-RW5-GW-538-540

Tgt Ion: 98 Resp: 165959

Ion Ratio Lower Upper

98 100

100 64.9 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.711 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.067 min

Lab File: VX031671.D

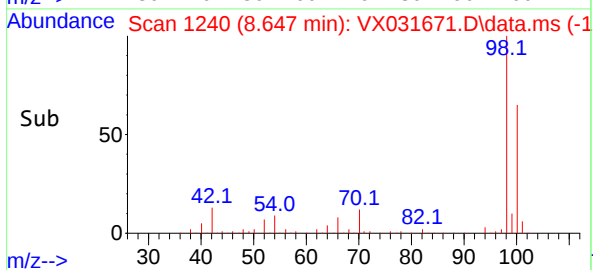
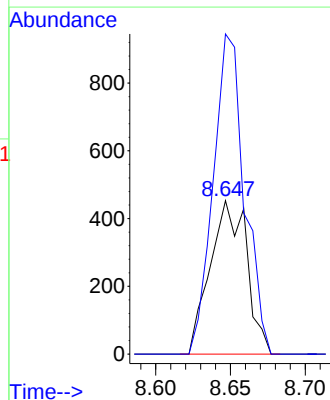
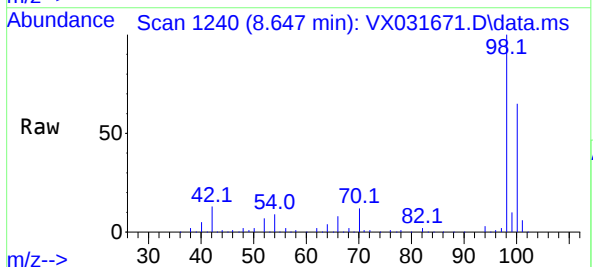
Acq: 27 Sep 2022 00:48

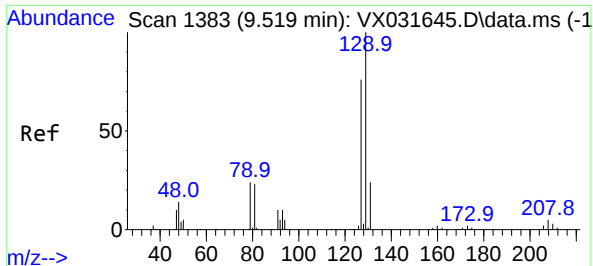
Tgt Ion: 43 Resp: 769

Ion Ratio Lower Upper

43 100

58 179.2 30.6 46.0#

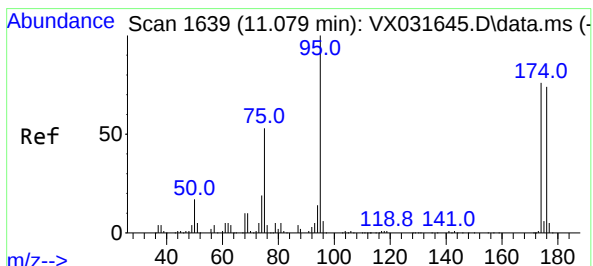
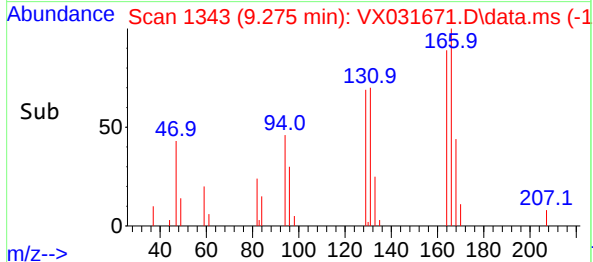
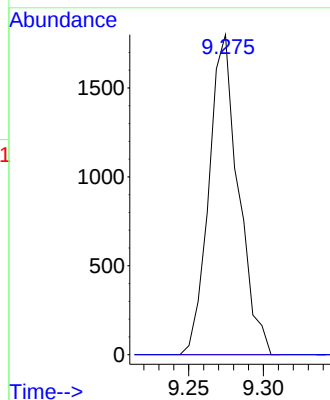
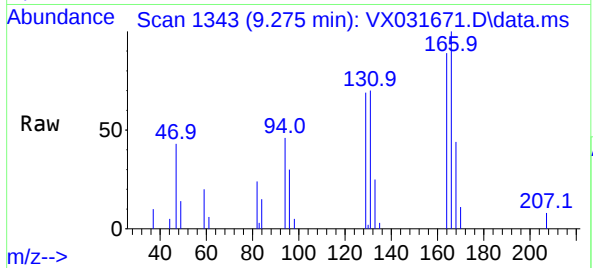




#60
Dibromochloromethane
Concen: 3.699 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

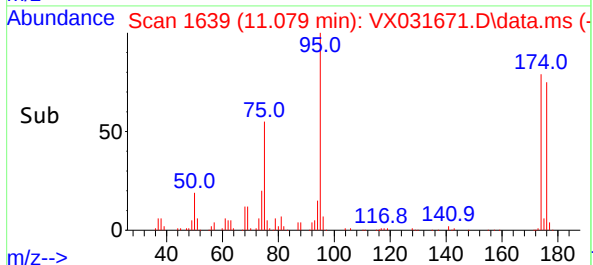
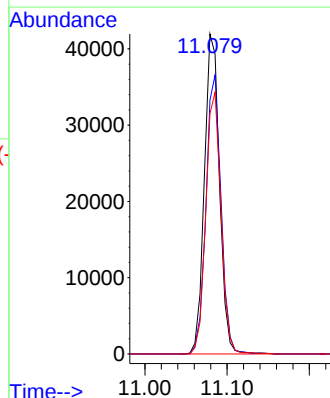
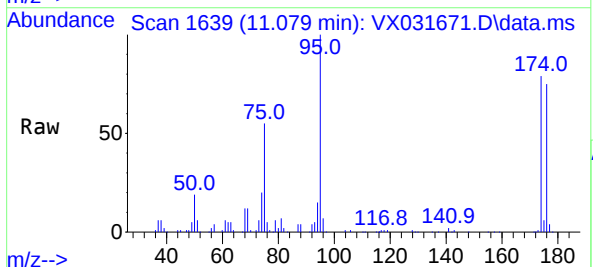
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-538-540

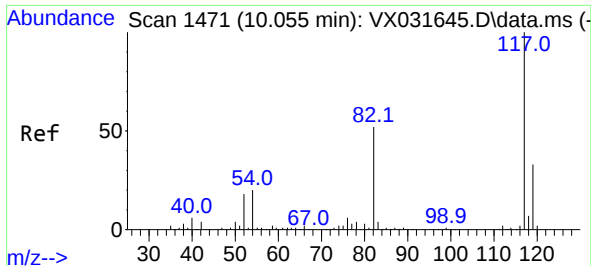
Tgt Ion:129 Resp: 2469
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 42.912 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

Tgt Ion: 95 Resp: 53473
Ion Ratio Lower Upper
95 100
174 87.2 0.0 153.2
176 82.5 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: VX031671.D

Acq: 27 Sep 2022 00:48

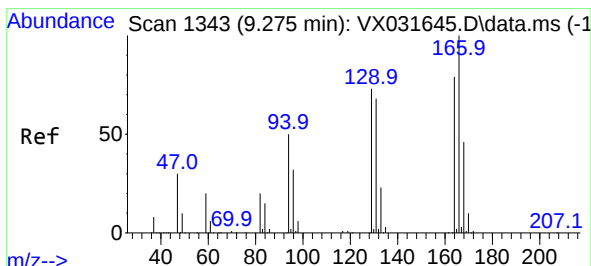
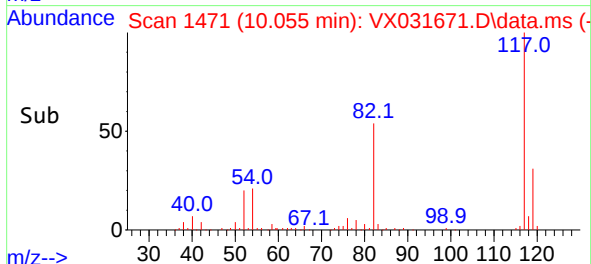
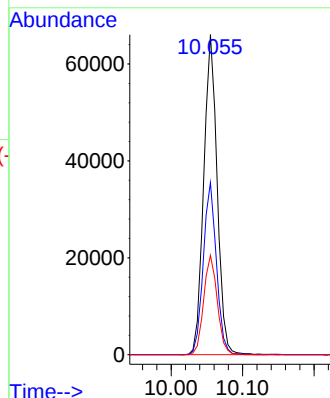
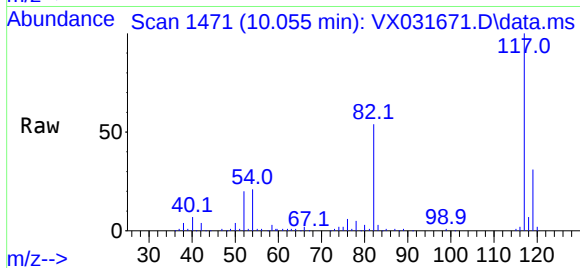
Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW5-GW-538-540

Tgt Ion:	117	Resp:	86175
Ion	Ratio	Lower	Upper
117	100		
82	53.8	46.8	70.2
119	31.1	26.4	39.6



#64

Tetrachloroethene

Concen: 3.316 ug/l

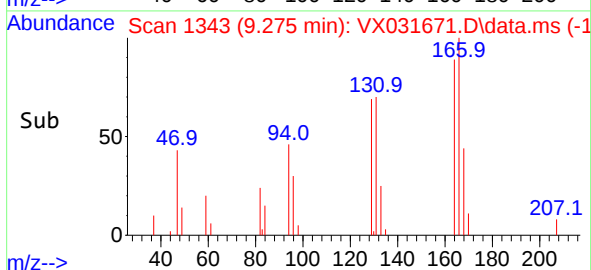
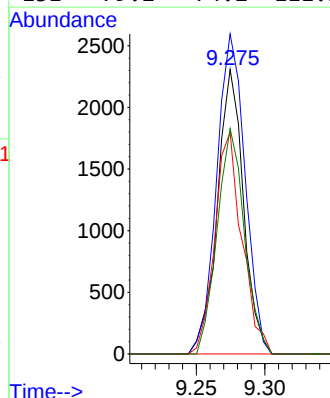
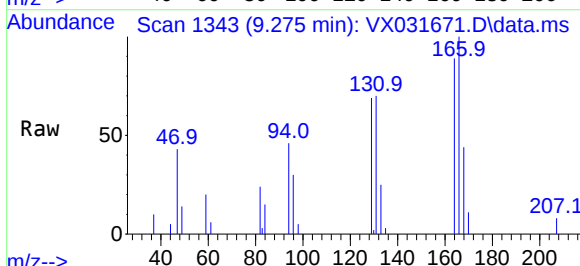
RT: 9.275 min Scan# 1343

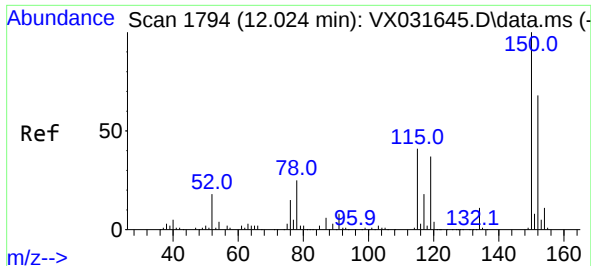
Delta R.T. -0.000 min

Lab File: VX031671.D

Acq: 27 Sep 2022 00:48

Tgt Ion:	164	Resp:	3054
Ion	Ratio	Lower	Upper
164	100		
166	112.5	99.0	148.4
129	78.0	78.0	117.0#
131	79.2	74.2	111.2

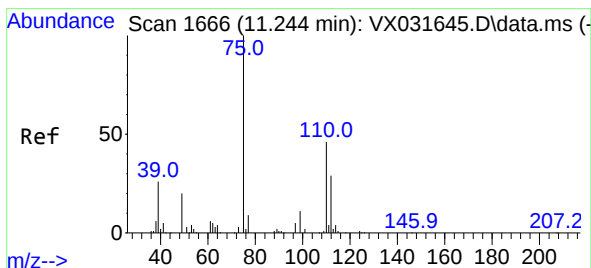
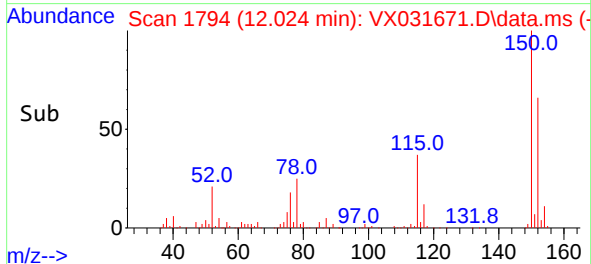
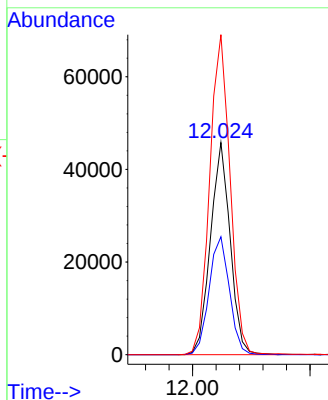
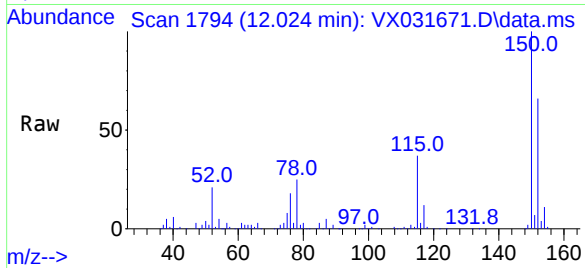




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

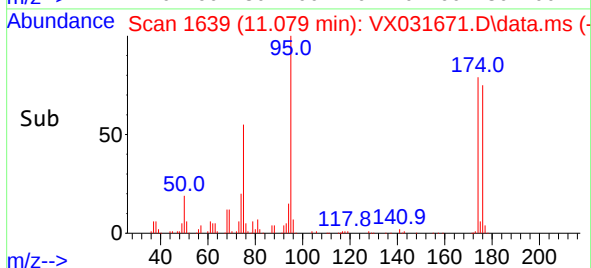
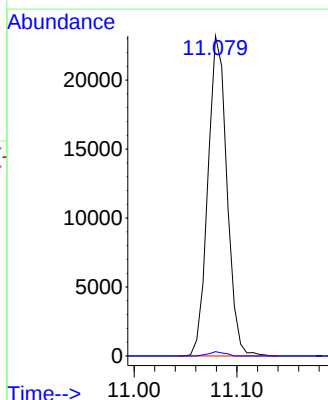
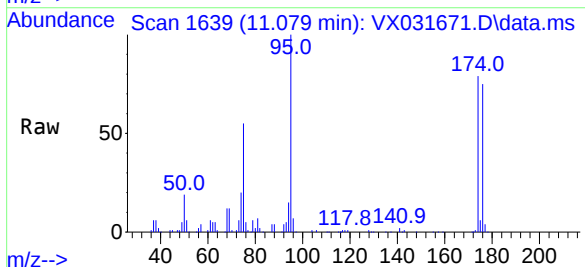
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-538-540

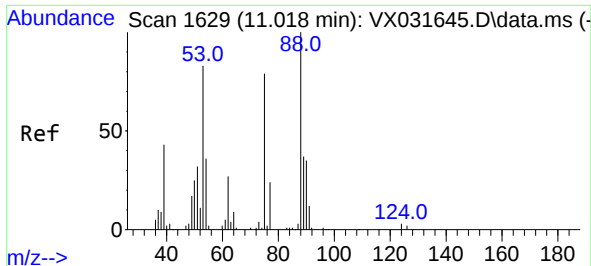
Tgt Ion:152 Resp: 53373
Ion Ratio Lower Upper
152 100
115 57.4 43.4 130.1
150 156.2 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 30.790 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

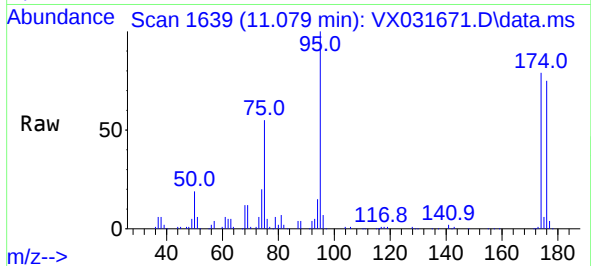
Tgt Ion: 75 Resp: 29792
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 101.406 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX031671.D
Acq: 27 Sep 2022 00:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-538-540



Tgt Ion: 75 Resp: 29792
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

