

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092622\
 Data File : VX031673.D
 Acq On : 27 Sep 2022 01:35
 Operator : JC/MD
 Sample : N4791-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW5-GW-578-580

Quant Time: Sep 27 04:40:51 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)

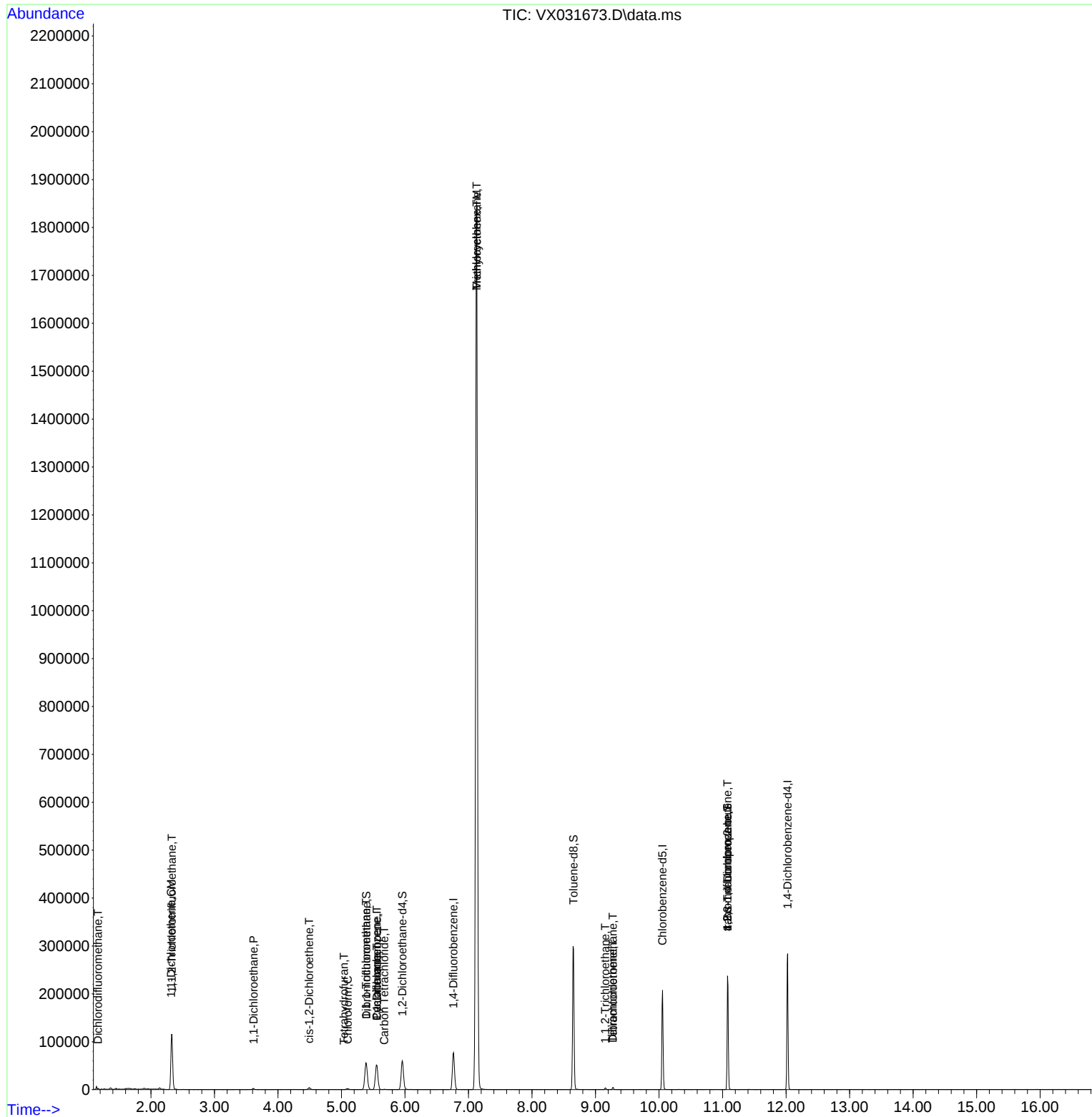
Internal Standards						
1) Pentafluorobenzene	5.556	168	50332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	79879	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	90358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	55441	51.899	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.800%			
35) Dibromofluoromethane	5.391	113	45062	47.345	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.700%			
50) Toluene-d8	8.653	98	177312	51.386	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.780%			
62) 4-Bromofluorobenzene	11.079	95	54666	43.225	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	989	1.615	ug/l	92
3) Chloromethane	1.288	50	66	Below Cal	#	41
5) Bromomethane	1.618	94	412	Below Cal	#	78
6) Chloroethane	1.691	64	67	Below Cal	#	43
7) Trichlorofluoromethane	1.886	101	1158	Below Cal	#	68
9) 1,1,2-Trichlorotrifluo...	2.331	101	34436	51.470	ug/l	92
11) Tert butyl alcohol	2.953	59	70	Below Cal	#	73
12) 1,1-Dichloroethene	2.319	96	11546	20.846	ug/l	85
16) Acetone	2.392	43	1202	Below Cal	#	77
17) Carbon Disulfide	2.508	76	471	Below Cal	#	75
20) Methylene Chloride	2.788	84	33	Below Cal	#	69
24) 1,1-Dichloroethane	3.617	63	2577	1.973	ug/l #	91
27) cis-1,2-Dichloroethene	4.489	96	2548	2.813	ug/l	77
29) Tetrahydrofuran	5.038	42	70	0.219	ug/l #	32
30) Chloroform	5.099	83	2565	1.596	ug/l	84
31) Cyclohexane	5.556	56	1165	1.147	ug/l #	15
32) 1,1,1-Trichloroethane	5.385	97	1399	1.051	ug/l	94
36) 1,1-Dichloropropene	5.556	75	4089	3.741	ug/l #	50
38) Carbon Tetrachloride	5.672	117	491	0.399	ug/l #	72
39) Methylcyclohexane	7.129	83	8276	6.645	ug/l #	1
44) Trichloroethene	7.129	130	655813	691.628	ug/l	93
49) 1,4-Dioxane	7.702	88	192	Below Cal	#	24
55) 1,1,2-Trichloroethane	9.153	97	1065	1.105	ug/l #	86
60) Dibromochloromethane	9.275	129	720	2.161	ug/l #	11
64) Tetrachloroethene	9.275	164	740	0.766	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	30947	30.579	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	30947	100.733	ug/l #	11

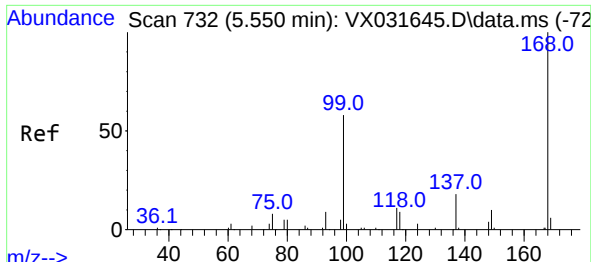
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092622\
Data File : VX031673.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-578-580

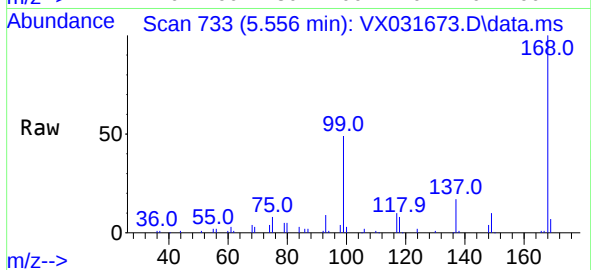
Quant Time: Sep 27 04:40:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 27 01:44:18 2022
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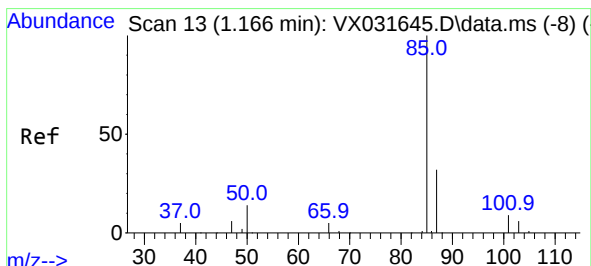
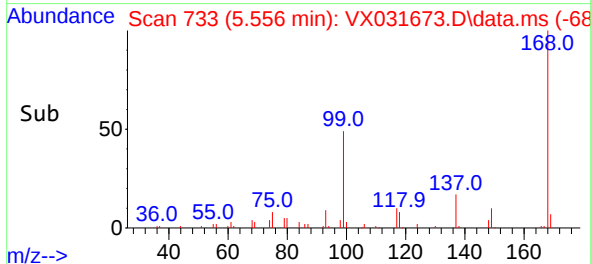
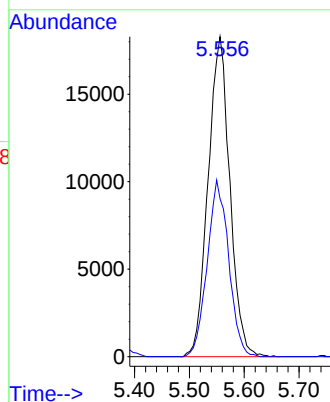


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-578-580

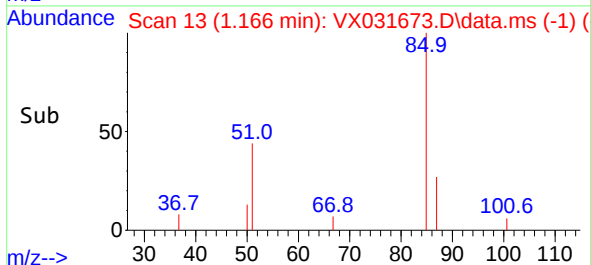
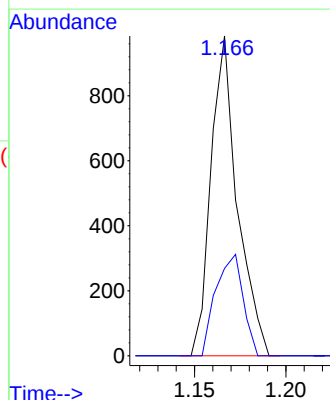
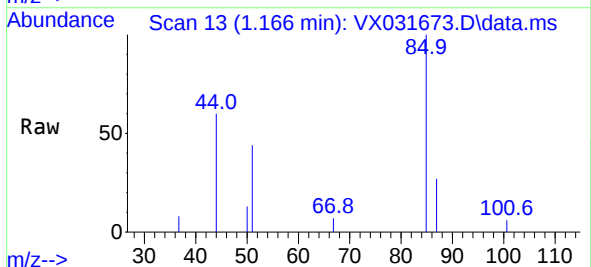


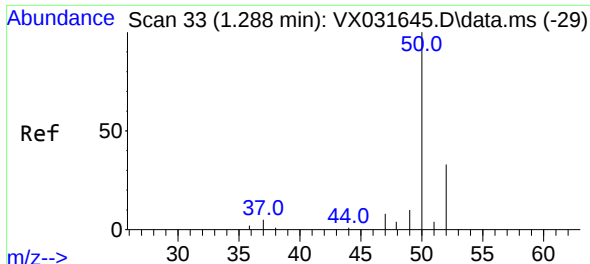
Tgt Ion:168 Resp: 50332
Ion Ratio Lower Upper
168 100
99 49.4 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 1.615 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Tgt Ion: 85 Resp: 989
Ion Ratio Lower Upper
85 100
87 27.3 15.8 47.4

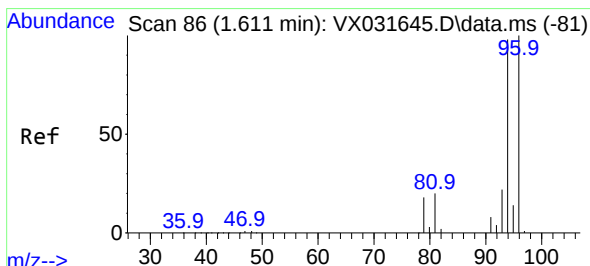
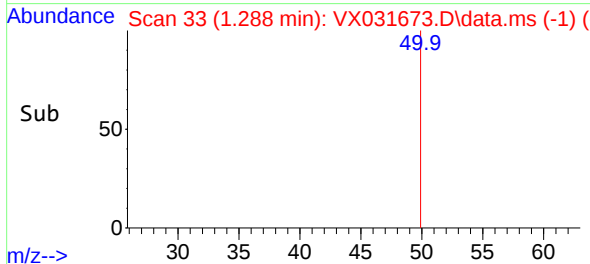
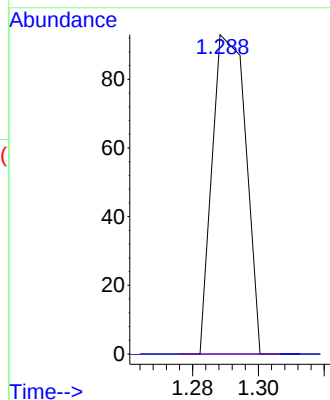
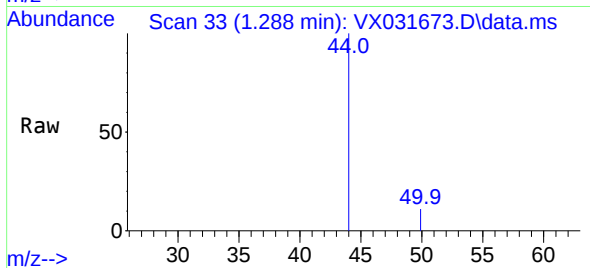




#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

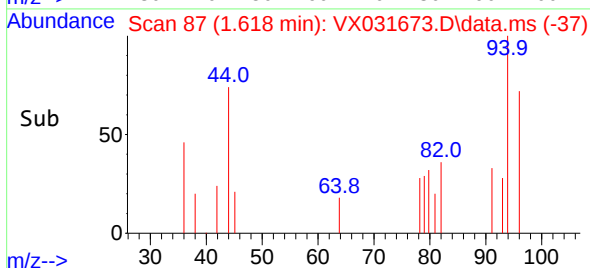
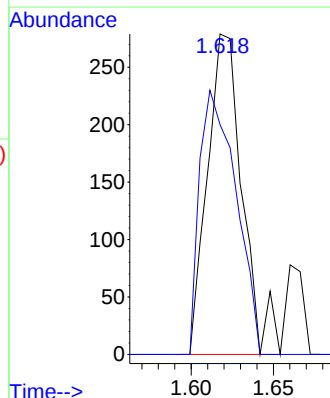
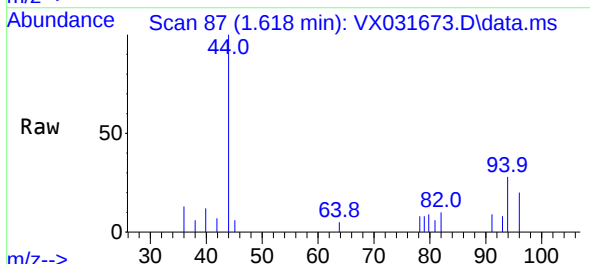
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-578-580

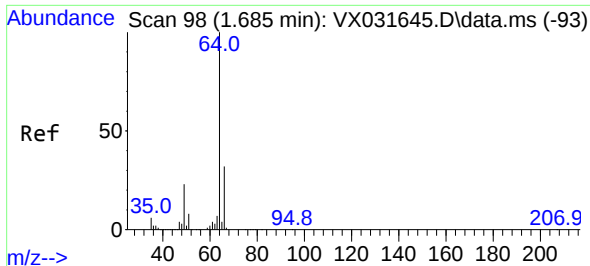
Tgt Ion: 50 Resp: 66
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Tgt Ion: 94 Resp: 412
Ion Ratio Lower Upper
94 100
96 71.7 74.4 111.6#

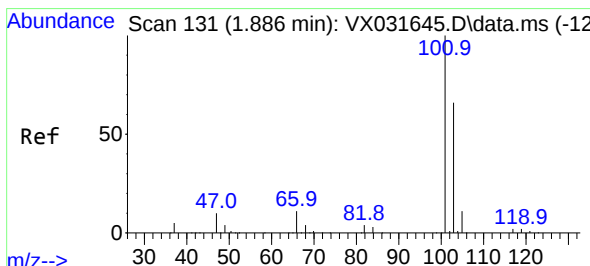
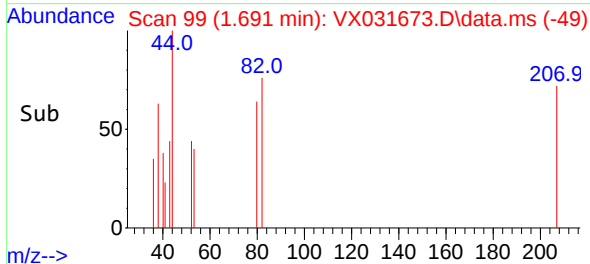
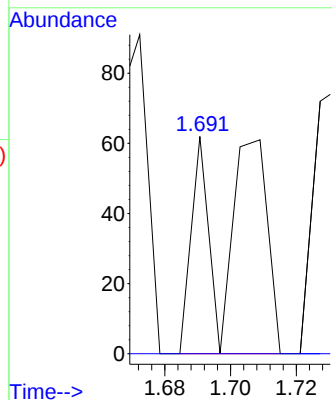
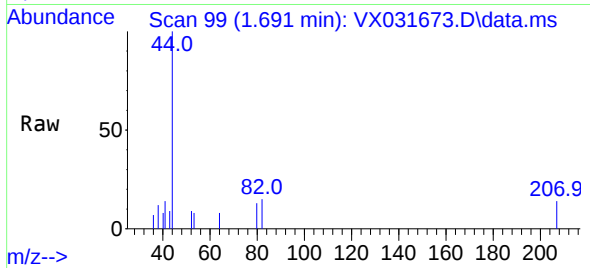




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

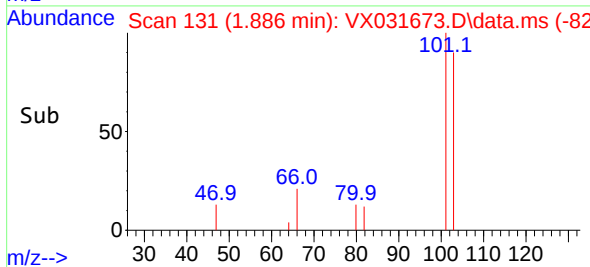
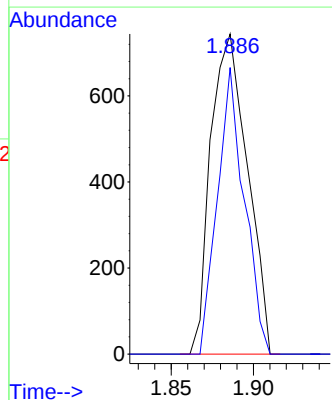
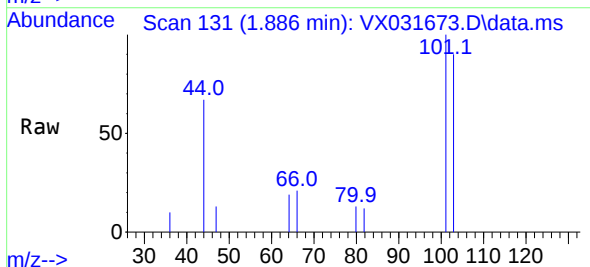
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-578-580

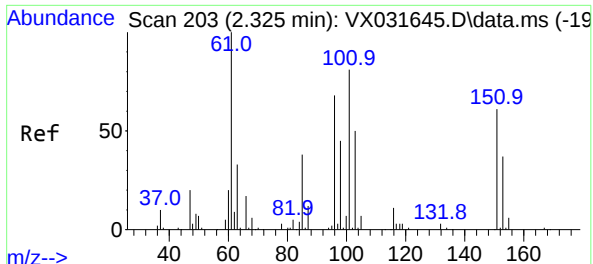
Tgt Ion: 64 Resp: 67
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 1.886 min Scan# 131
Delta R.T. -0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Tgt Ion: 101 Resp: 1158
Ion Ratio Lower Upper
101 100
103 89.5 51.8 77.6#

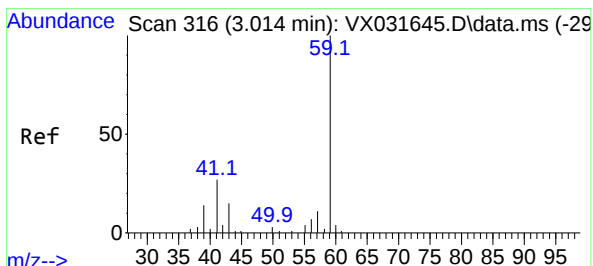
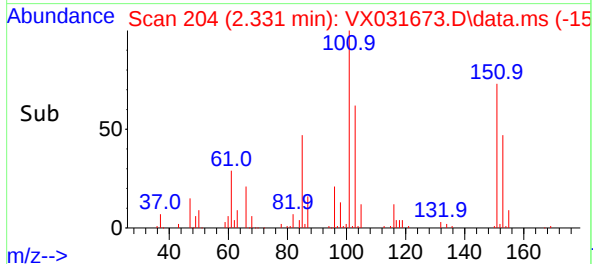
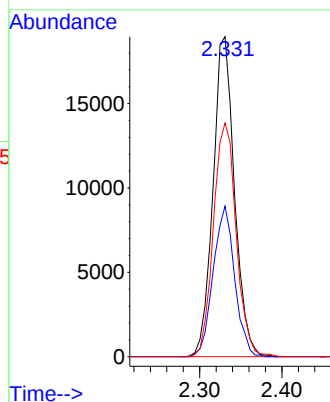
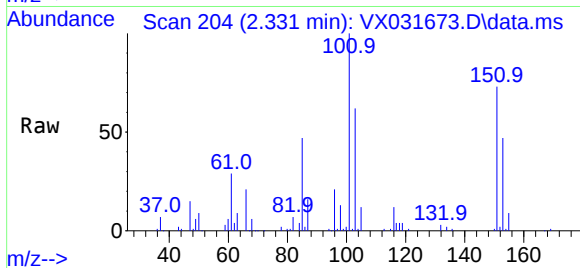




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.470 ug/l
RT: 2.331 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

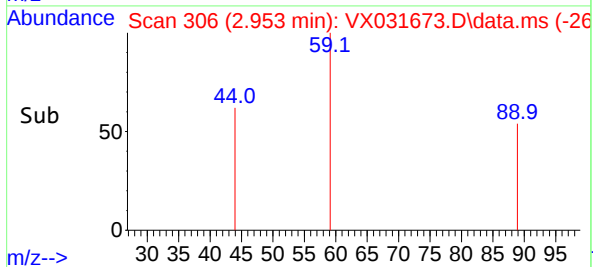
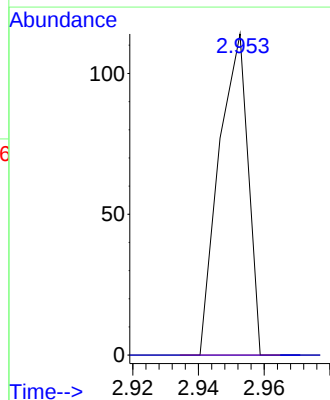
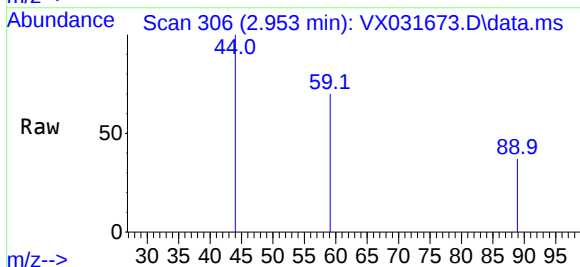
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-578-580

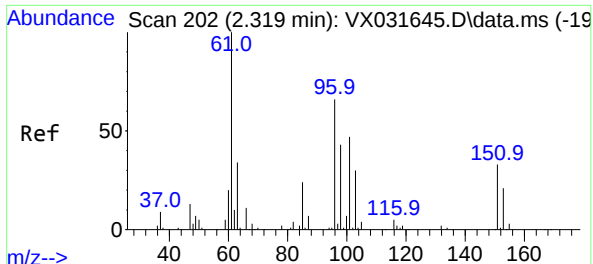
Tgt Ion:101 Resp: 34436
Ion Ratio Lower Upper
101 100
85 46.9 38.6 57.8
151 77.3 54.0 81.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Tgt Ion: 59 Resp: 70
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

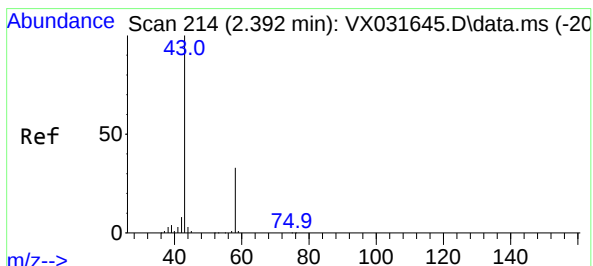
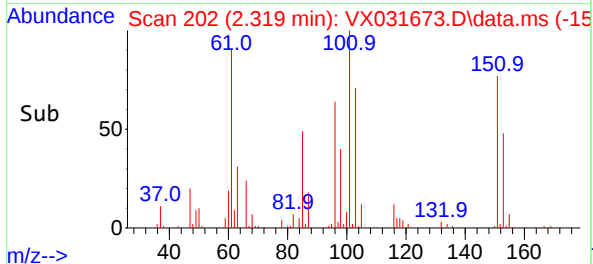
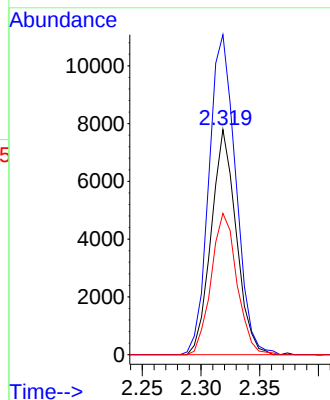
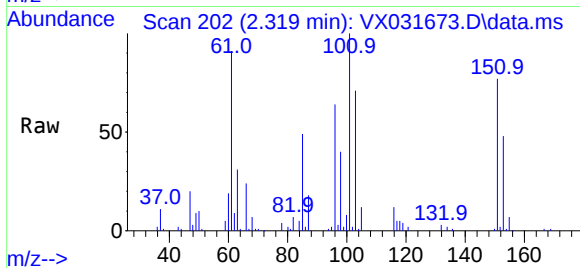




#12
1,1-Dichloroethene
Concen: 20.846 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

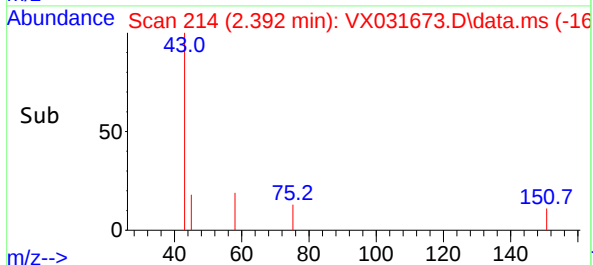
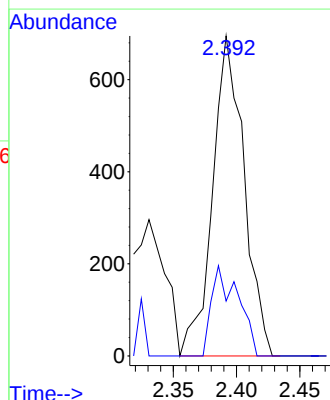
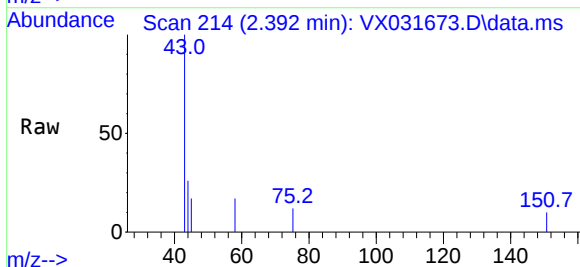
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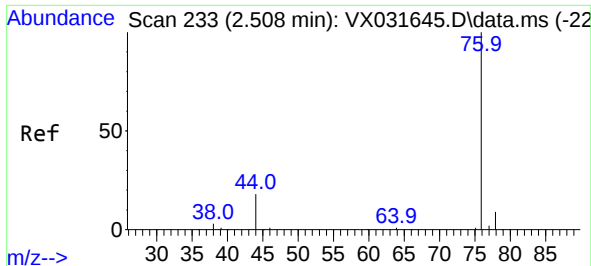
Tgt Ion: 96 Resp: 11546
Ion Ratio Lower Upper
96 100
61 142.1 135.3 202.9
98 62.7 49.4 74.2



#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Tgt Ion: 43 Resp: 1202
Ion Ratio Lower Upper
43 100
58 17.1 23.8 35.8#

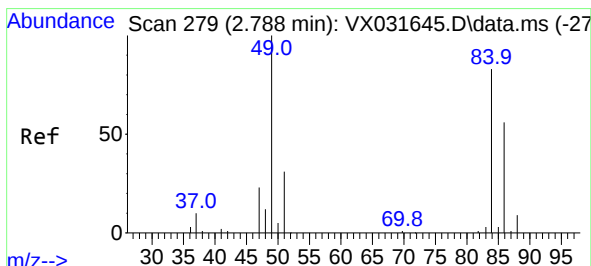
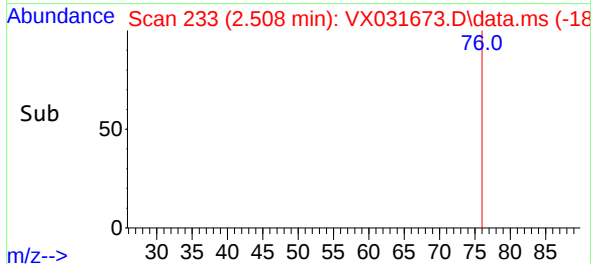
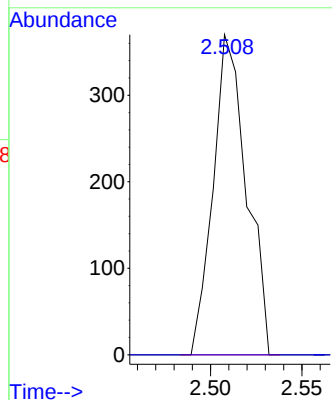
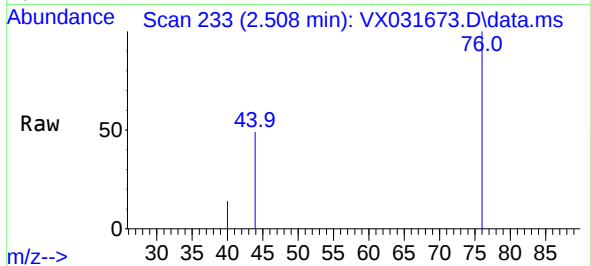




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

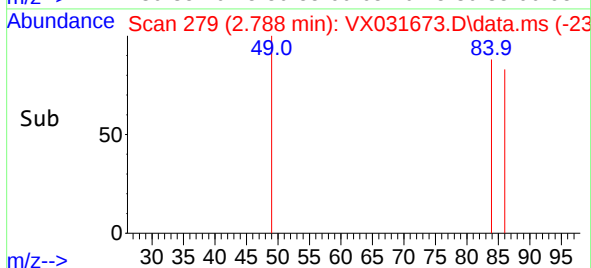
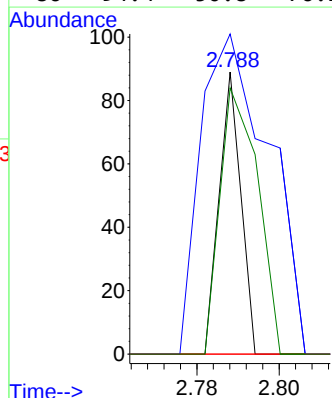
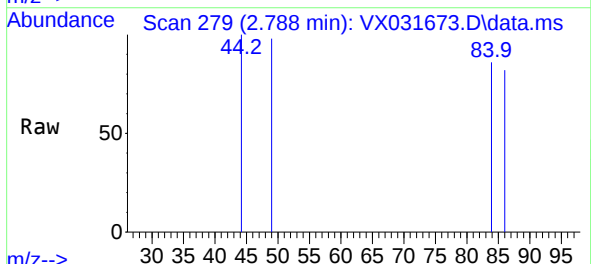
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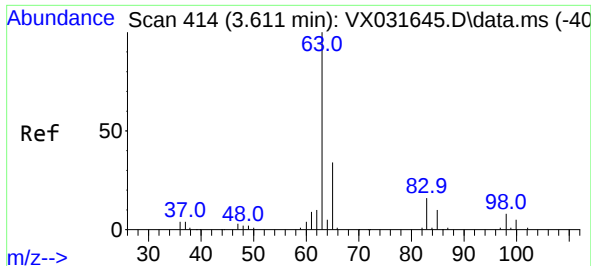
Tgt Ion: 76 Resp: 471
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Tgt Ion: 84 Resp: 33
Ion Ratio Lower Upper
84 100
49 113.5 105.9 158.9
51 0.0 32.2 48.2#
86 94.4 50.8 76.2#

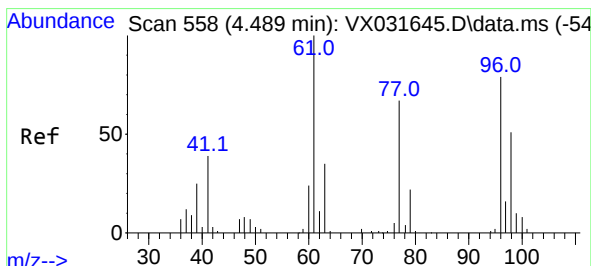
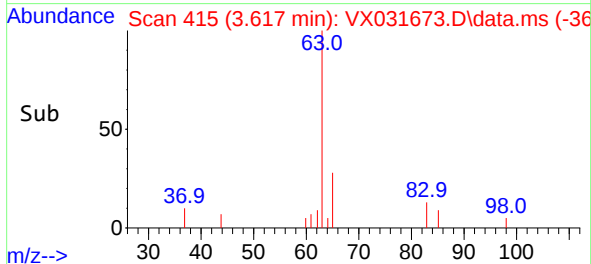
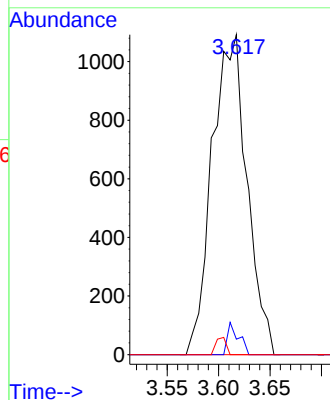
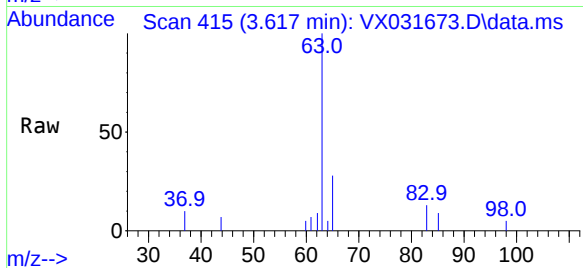




#24
1,1-Dichloroethane
Concen: 1.973 ug/l
RT: 3.617 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

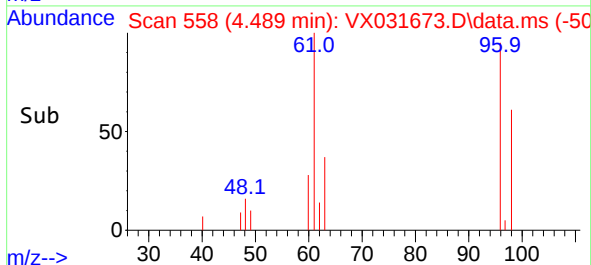
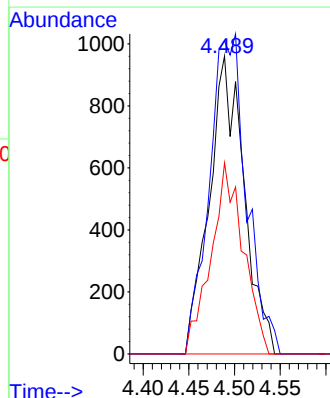
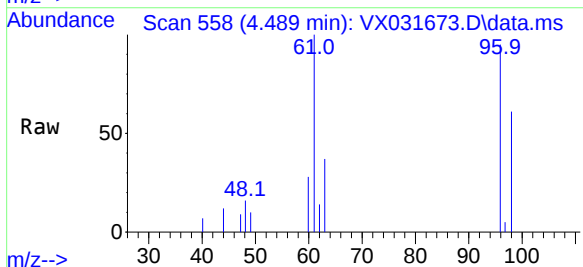
Instrument :
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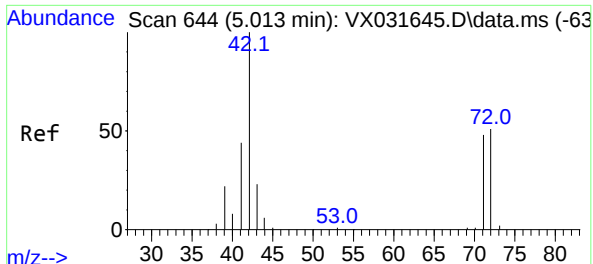
Tgt Ion: 63 Resp: 2577
Ion Ratio Lower Upper
63 100
98 4.9 3.5 10.4
100 0.0 2.4 7.2#



#27
cis-1,2-Dichloroethene
Concen: 2.813 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Tgt Ion: 96 Resp: 2548
Ion Ratio Lower Upper
96 100
61 114.2 0.0 305.2
98 59.7 0.0 128.4





#29

Tetrahydrofuran

Concen: 0.219 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX031673.D

Acq: 27 Sep 2022 01:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW5-GW-578-580

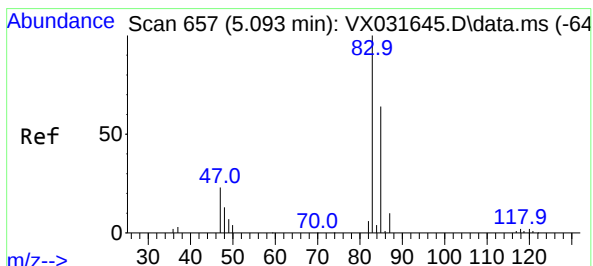
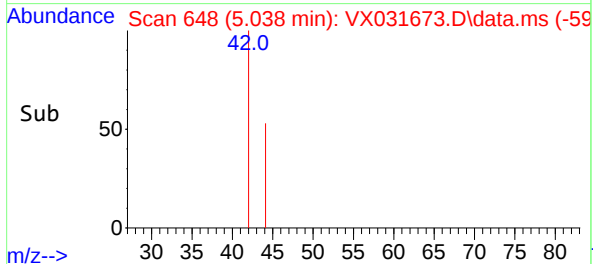
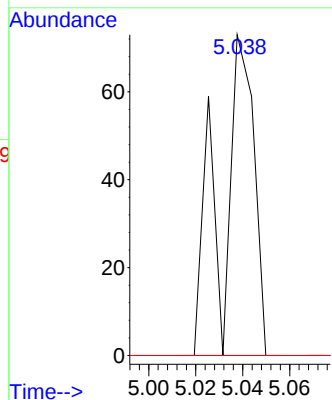
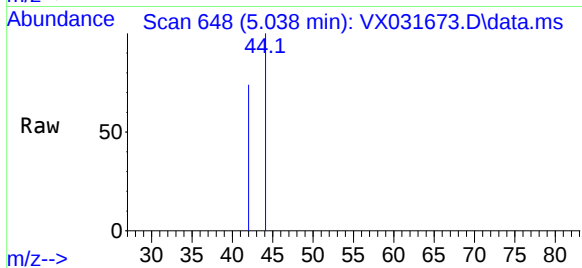
Tgt Ion: 42 Resp: 70

Ion Ratio Lower Upper

42 100

72 0.0 36.4 54.6#

71 0.0 33.5 50.3#



#30

Chloroform

Concen: 1.596 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.000 min

Lab File: VX031673.D

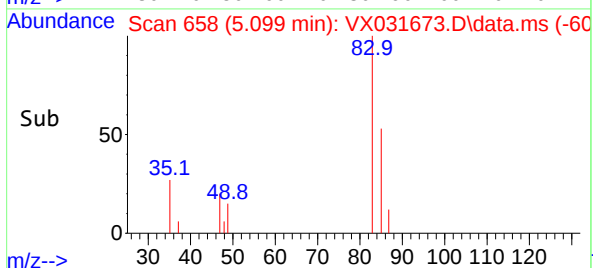
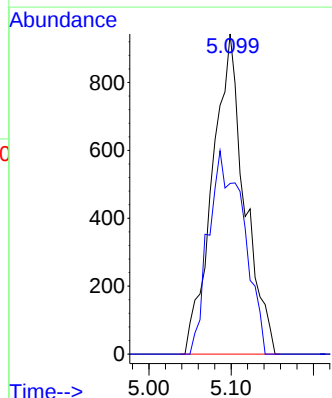
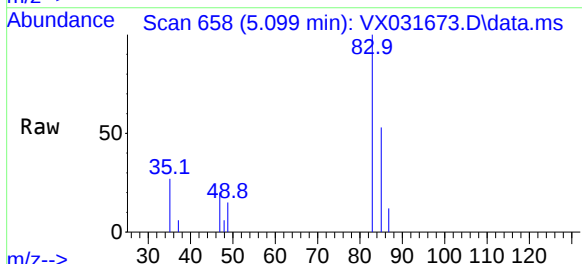
Acq: 27 Sep 2022 01:35

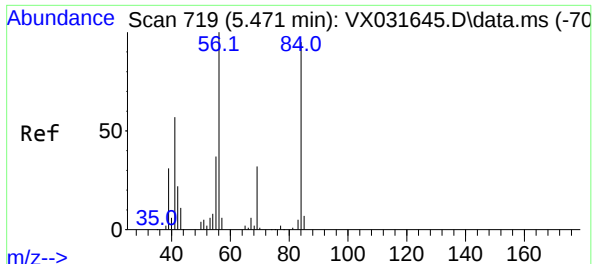
Tgt Ion: 83 Resp: 2565

Ion Ratio Lower Upper

83 100

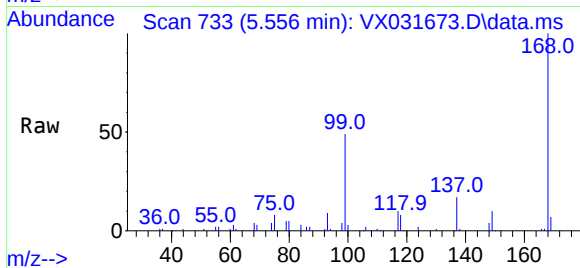
85 53.3 52.8 79.2



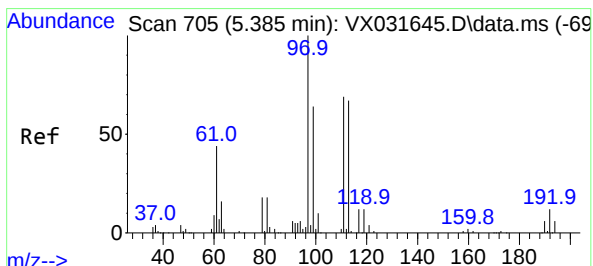
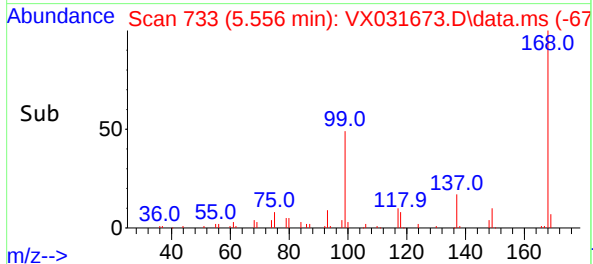
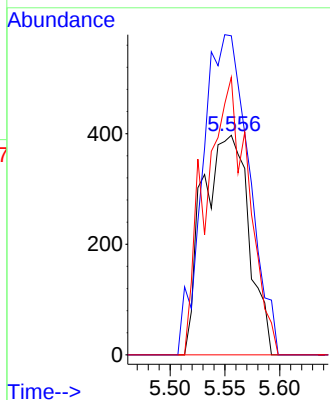


#31
Cyclohexane
Concen: 1.147 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-578-580

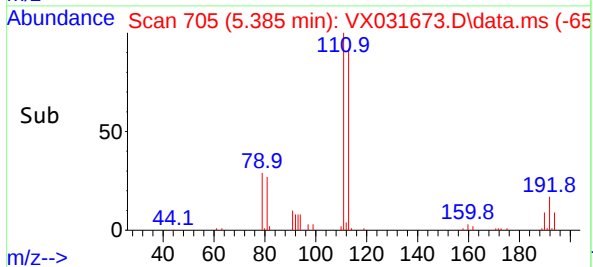
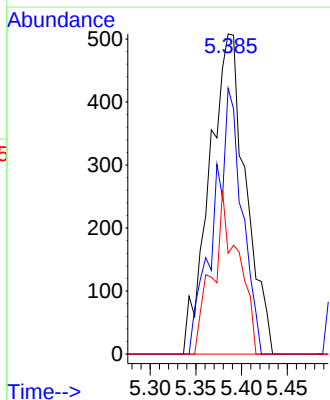
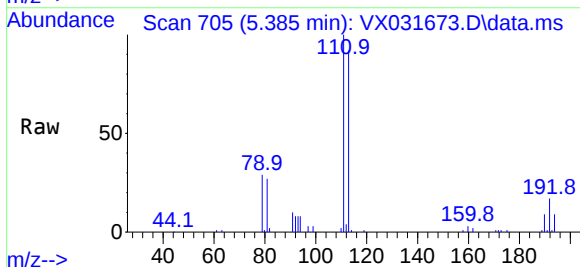


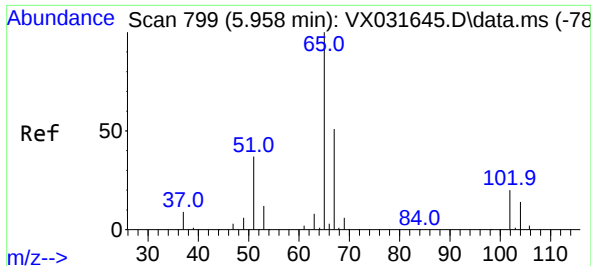
Tgt Ion: 56 Resp: 1165
Ion Ratio Lower Upper
56 100
69 145.3 25.1 37.7#
84 126.4 70.2 105.4#



#32
1,1,1-Trichloroethane
Concen: 1.051 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Tgt Ion: 97 Resp: 1399
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 36.3 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 51.899 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031673.D

Acq: 27 Sep 2022 01:35

Instrument :

MSVOA_X

ClientSampleId :

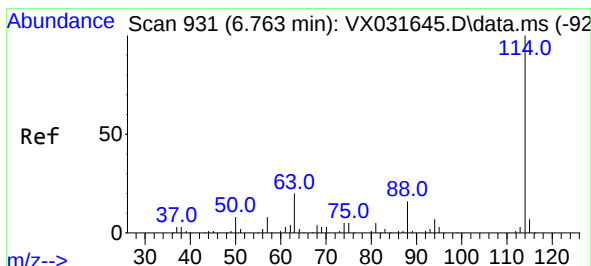
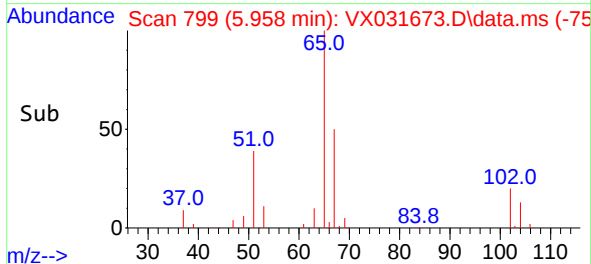
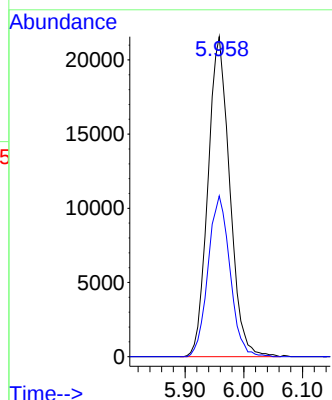
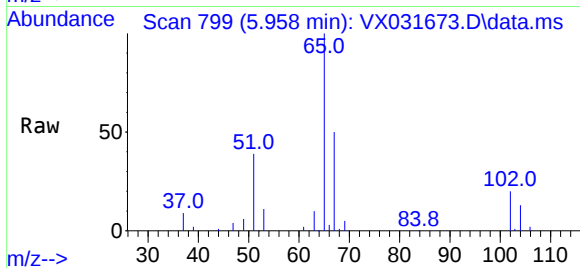
BP-VPB-RW5-GW-578-580

Tgt Ion: 65 Resp: 55441

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031673.D

Acq: 27 Sep 2022 01:35

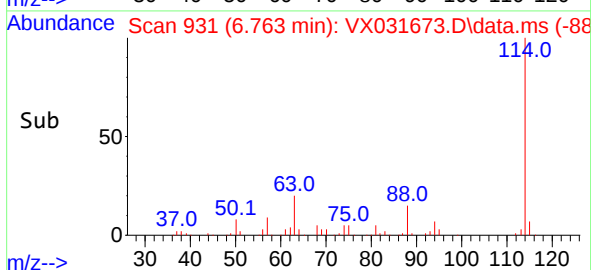
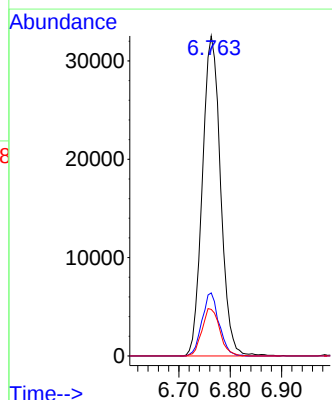
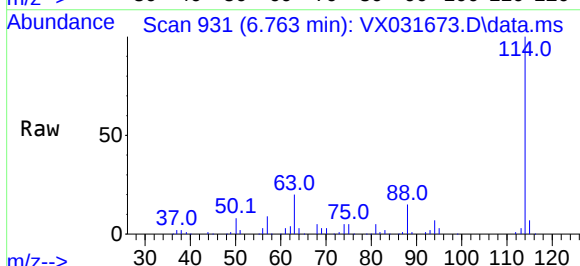
Tgt Ion: 114 Resp: 79879

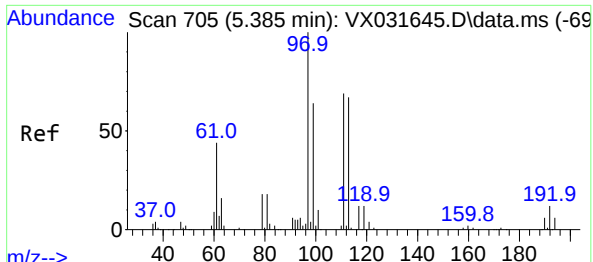
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 14.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.345 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX031673.D

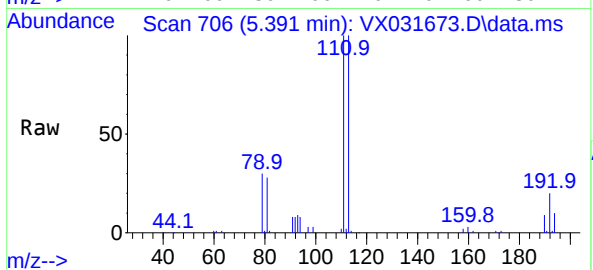
Acq: 27 Sep 2022 01:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW5-GW-578-580



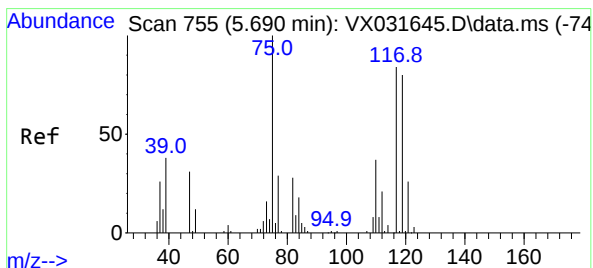
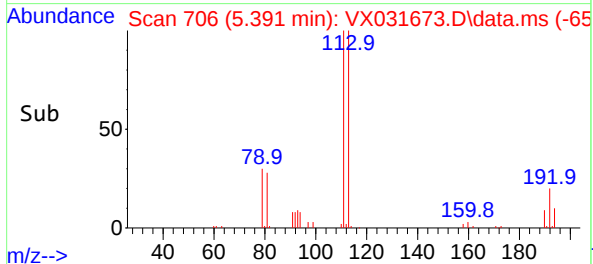
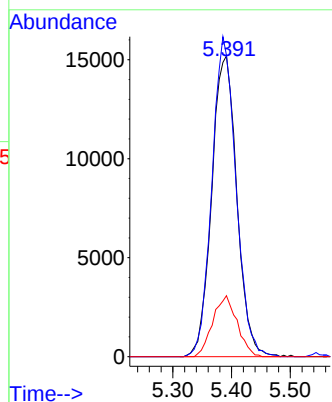
Tgt Ion:113 Resp: 45062

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

192 19.7 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.741 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX031673.D

Acq: 27 Sep 2022 01:35

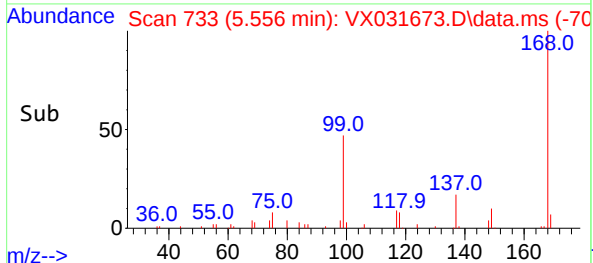
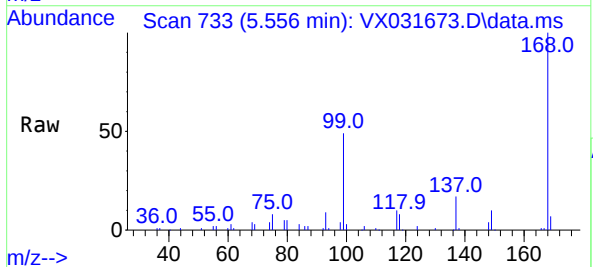
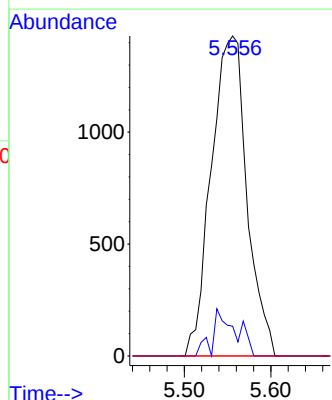
Tgt Ion: 75 Resp: 4089

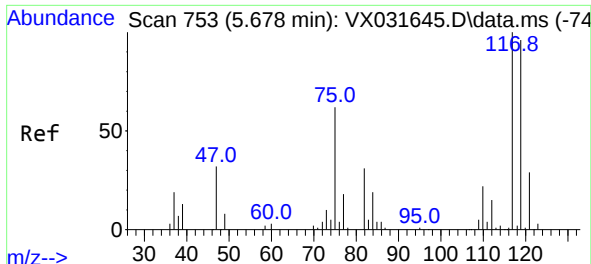
Ion Ratio Lower Upper

75 100

110 9.7 17.5 52.5#

77 0.0 24.9 37.3#

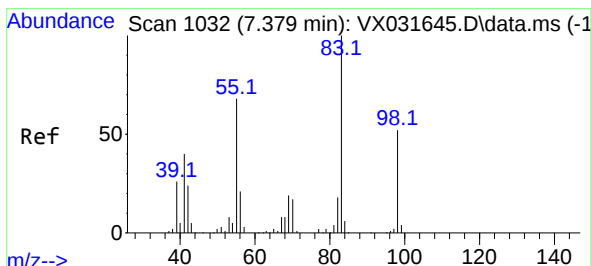
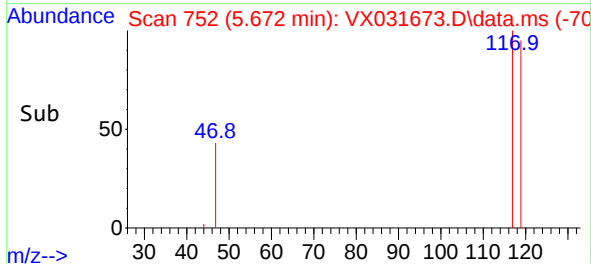
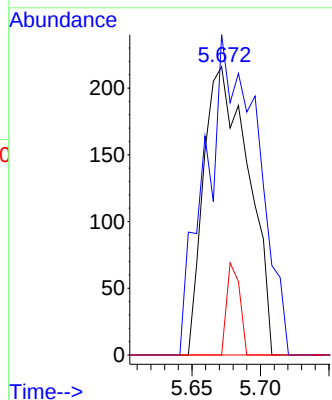
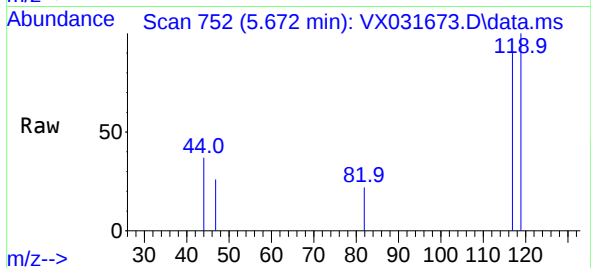




#38
Carbon Tetrachloride
Concen: 0.399 ug/l
RT: 5.672 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

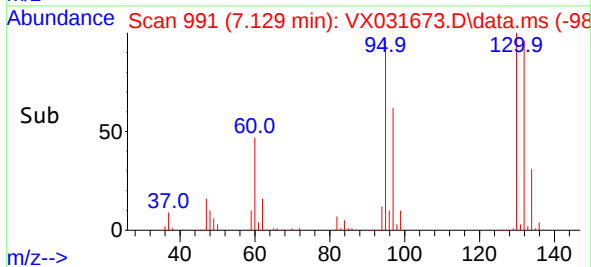
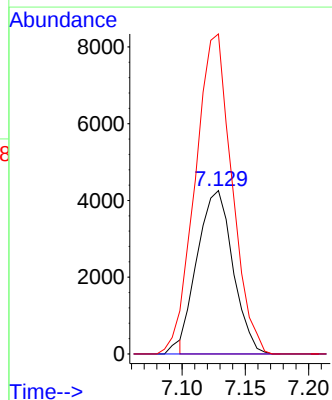
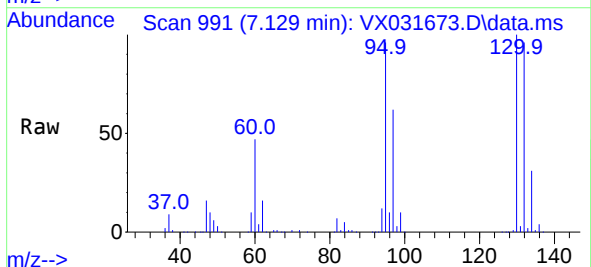
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-578-580

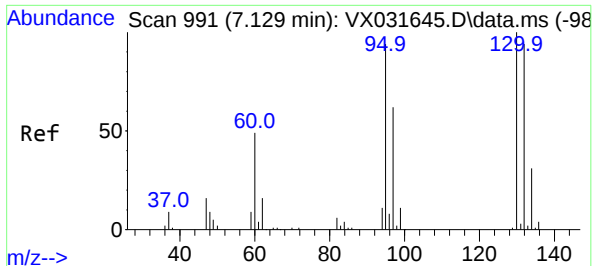
Tgt Ion:117 Resp: 491
Ion Ratio Lower Upper
117 100
119 111.1 74.6 112.0
121 0.0 25.3 37.9#



#39
Methylcyclohexane
Concen: 6.645 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Tgt Ion: 83 Resp: 8276
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.4#
98 193.1 37.7 56.5#

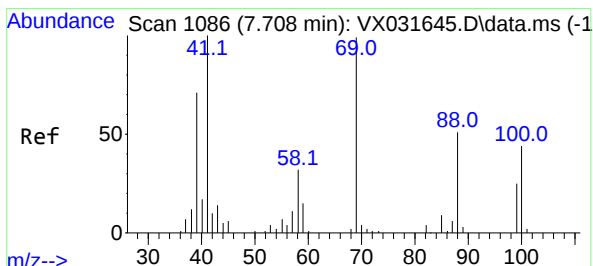
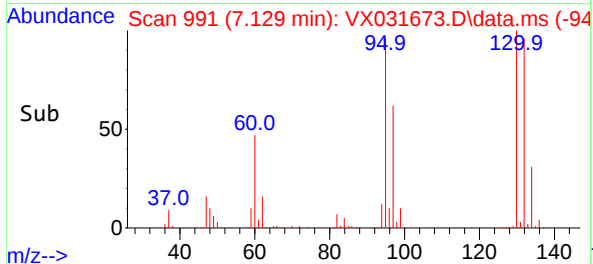
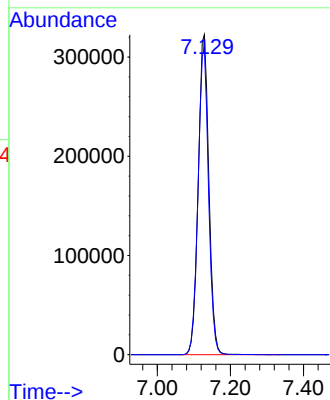
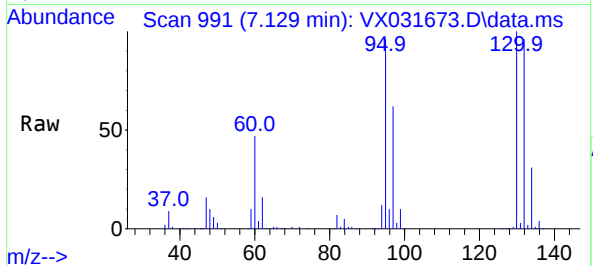




#44
Trichloroethene
Concen: 691.628 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

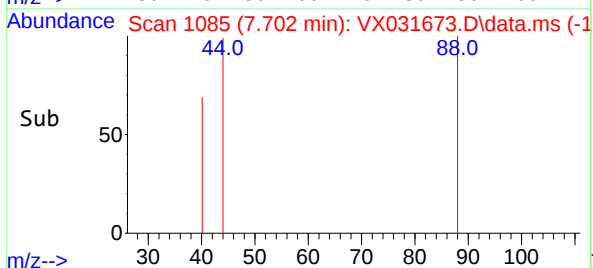
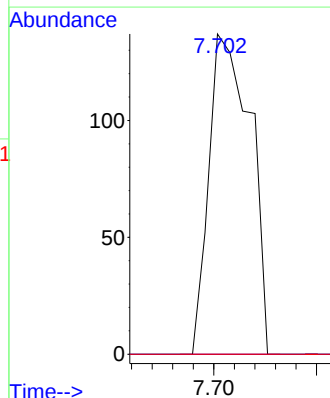
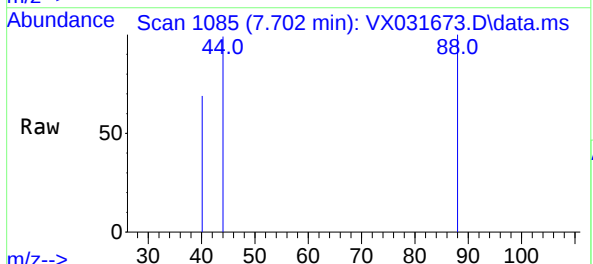
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-578-580

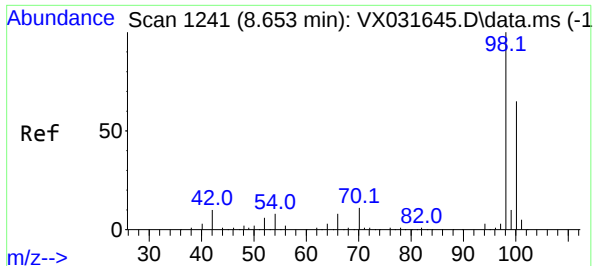
Tgt Ion:130 Resp: 655813
Ion Ratio Lower Upper
130 100
95 96.1 0.0 206.8



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.702 min Scan# 1085
Delta R.T. 0.018 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Tgt Ion: 88 Resp: 192
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 0.0 53.9 80.9#

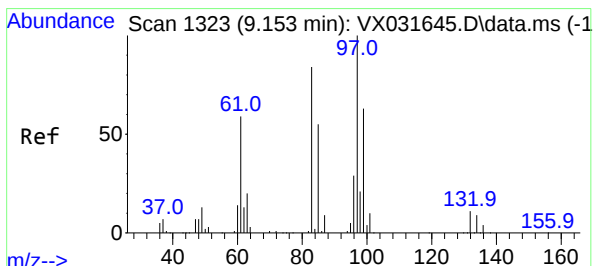
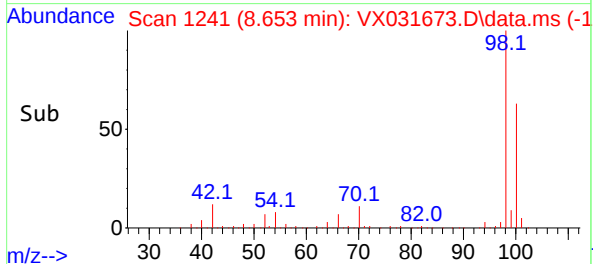
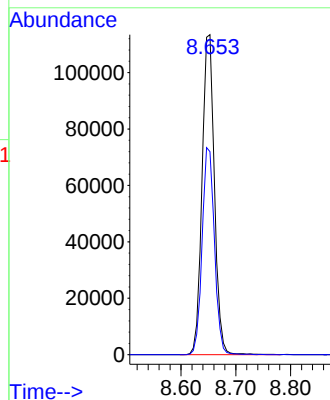
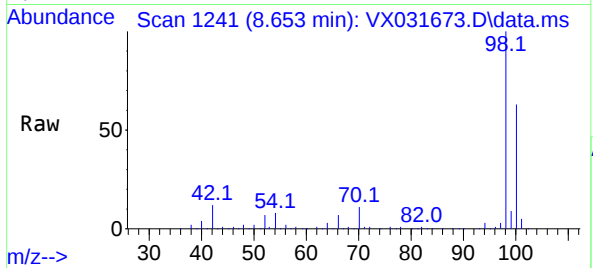




#50
Toluene-d8
Concen: 51.386 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

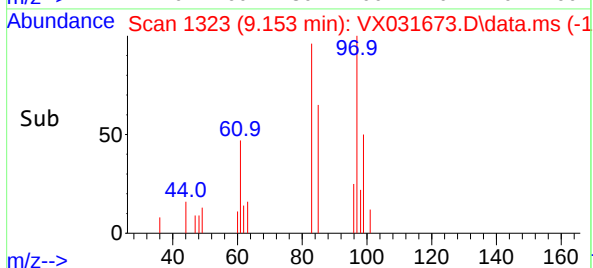
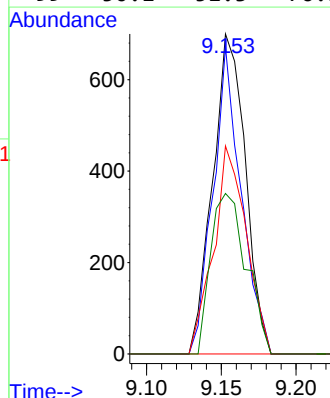
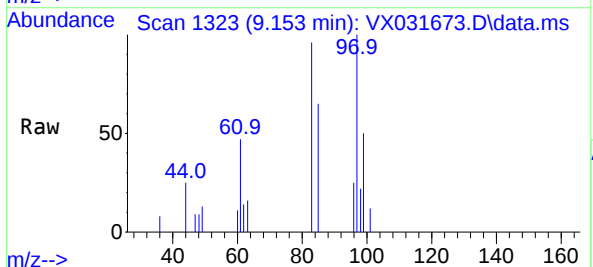
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-578-580

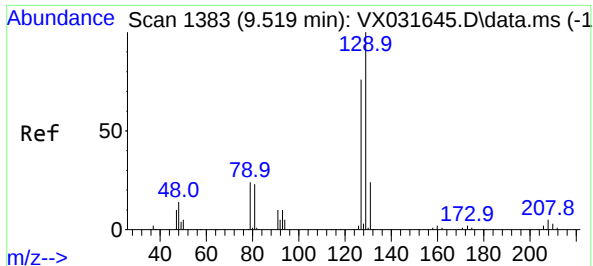
Tgt Ion: 98 Resp: 177312
Ion Ratio Lower Upper
98 100
100 64.5 52.5 78.7



#55
1,1,2-Trichloroethane
Concen: 1.105 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Tgt Ion: 97 Resp: 1065
Ion Ratio Lower Upper
97 100
83 96.0 69.0 103.6
85 65.0 44.1 66.1
99 50.1 51.3 76.9

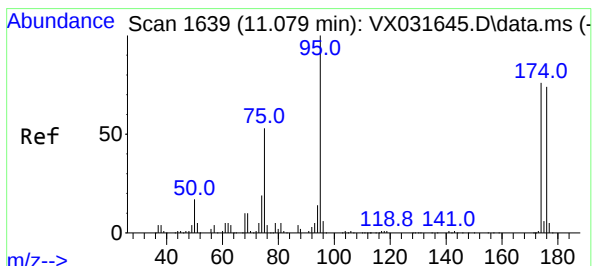
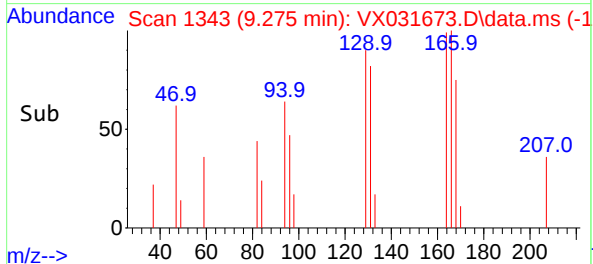
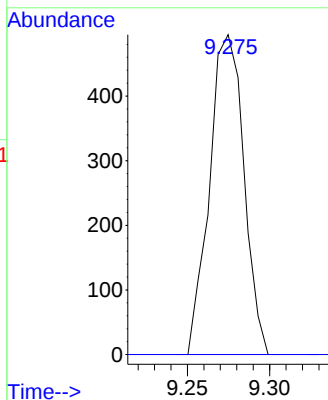
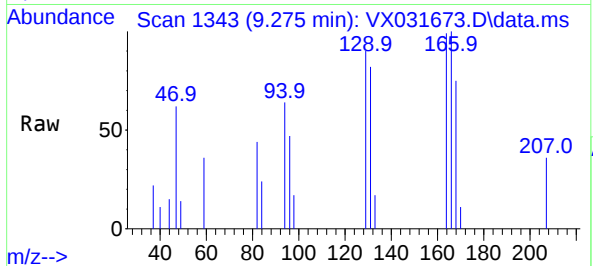




#60
Dibromochloromethane
Concen: 2.161 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

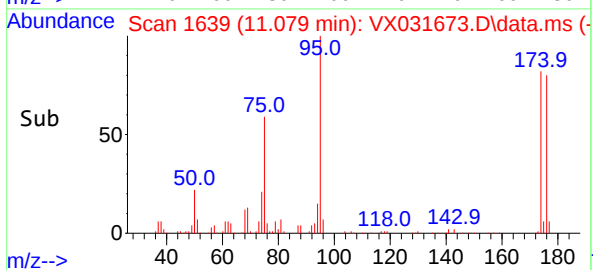
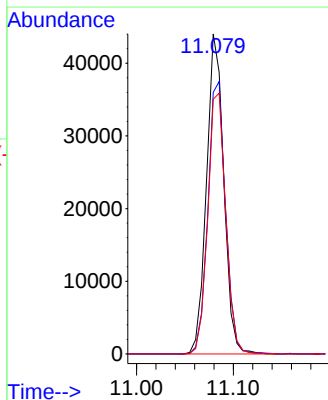
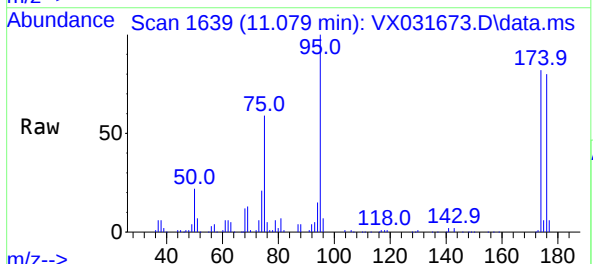
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-578-580

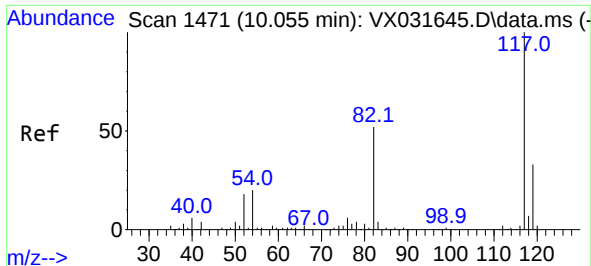
Tgt Ion:129 Resp: 720
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 43.225 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Tgt Ion: 95 Resp: 54666
Ion Ratio Lower Upper
95 100
174 87.3 0.0 153.2
176 84.6 0.0 144.0

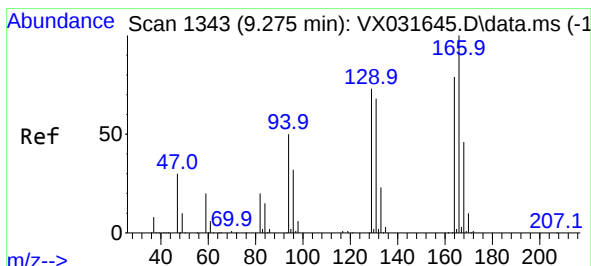
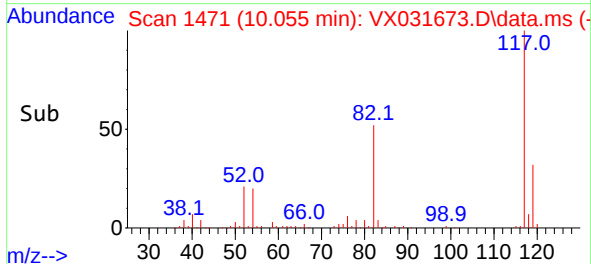
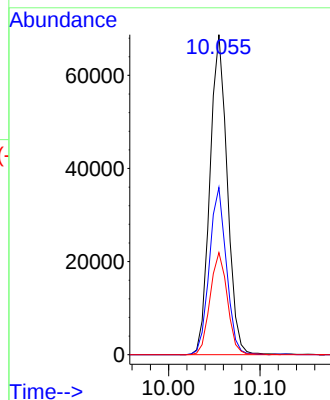
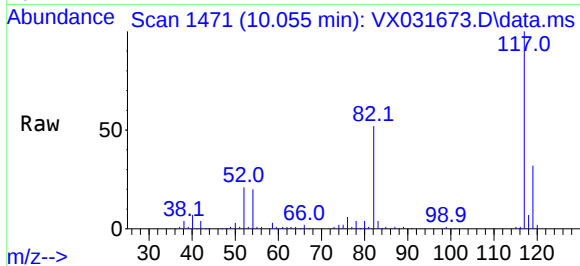




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

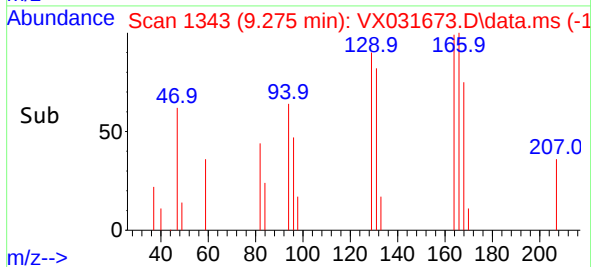
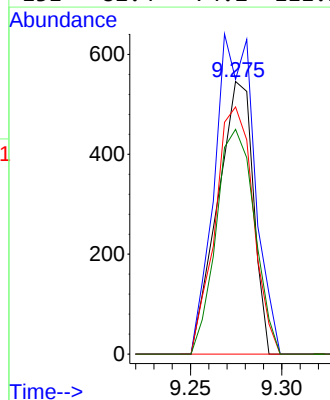
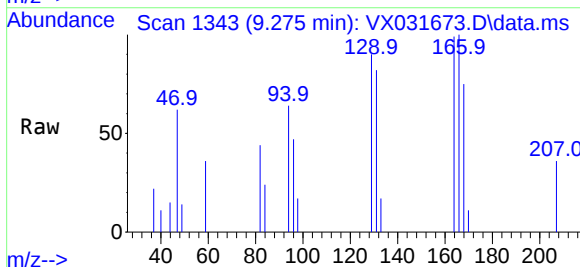
Instrument : MSVOA_X
ClientSampleId : BP-VPB-RW5-GW-578-580

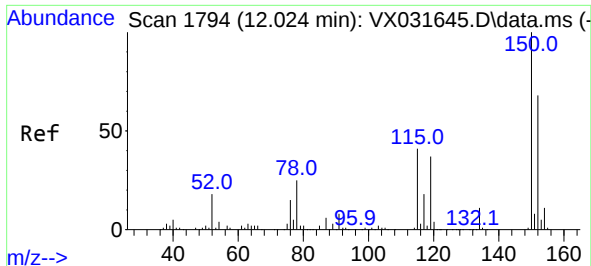
Tgt Ion:	117	Resp:	90358
Ion	Ratio	Lower	Upper
117	100		
82	52.2	46.8	70.2
119	31.9	26.4	39.6



#64
Tetrachloroethene
Concen: 0.766 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Tgt Ion:	164	Resp:	740
Ion	Ratio	Lower	Upper
164	100		
166	100.7	99.0	148.4
129	90.7	78.0	117.0
131	82.4	74.2	111.2

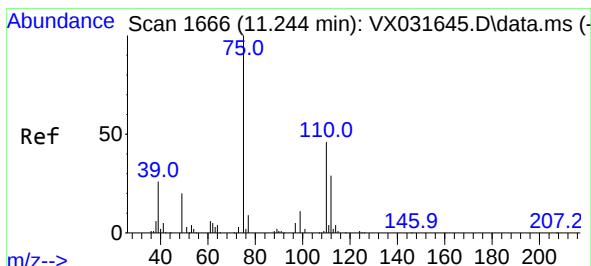
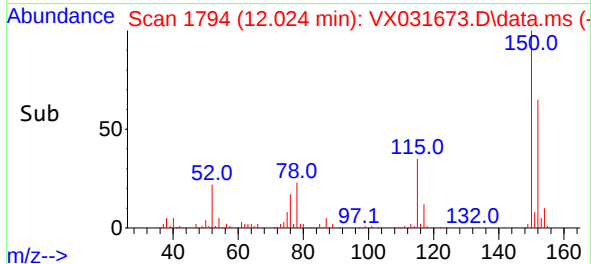
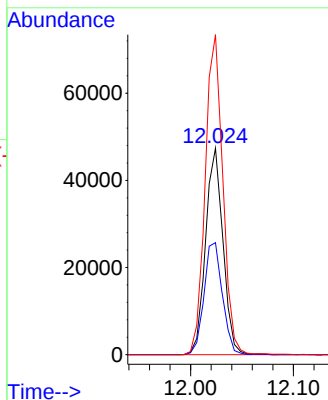
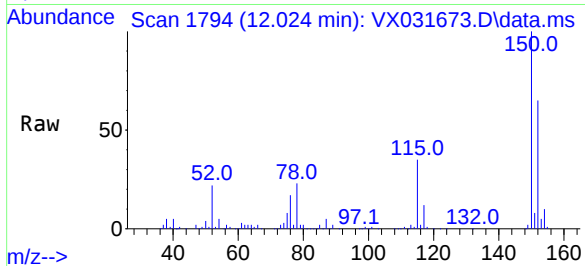




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

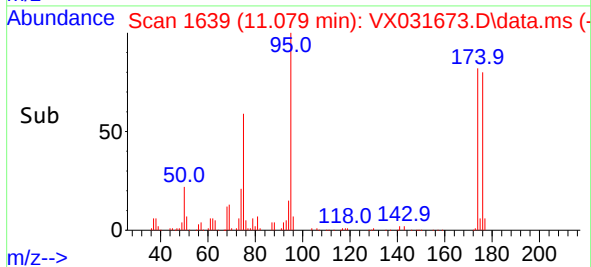
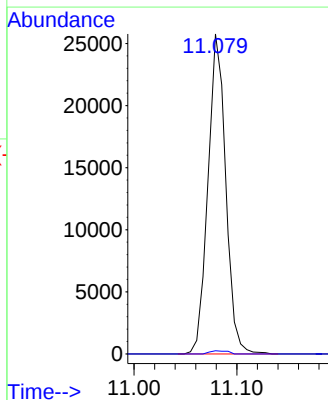
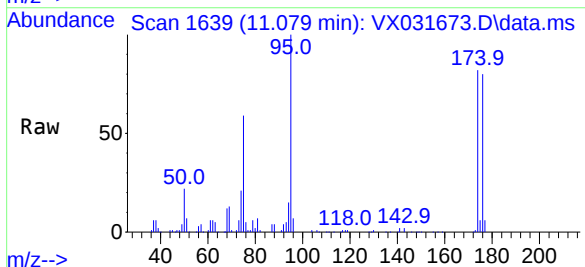
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-578-580

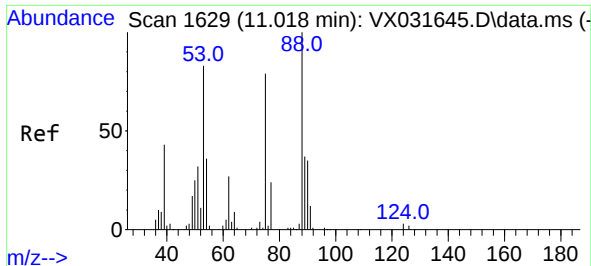
Tgt Ion:152 Resp: 55824
Ion Ratio Lower Upper
152 100
115 57.3 43.4 130.1
150 157.2 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 30.579 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

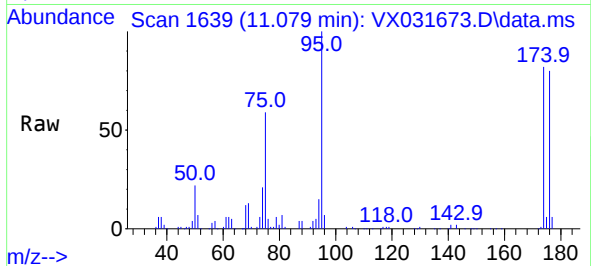
Tgt Ion: 75 Resp: 30947
Ion Ratio Lower Upper
75 100
77 1.0 20.3 60.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 100.733 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX031673.D
Acq: 27 Sep 2022 01:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-578-580



Tgt Ion: 75 Resp: 30947
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

