

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091922\
 Data File : VX031467.D
 Acq On : 19 Sep 2022 18:02
 Operator : JC/MD
 Sample : N4558-07DL 2X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW5-GW-238-240DL

Quant Time: Sep 20 09:49:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

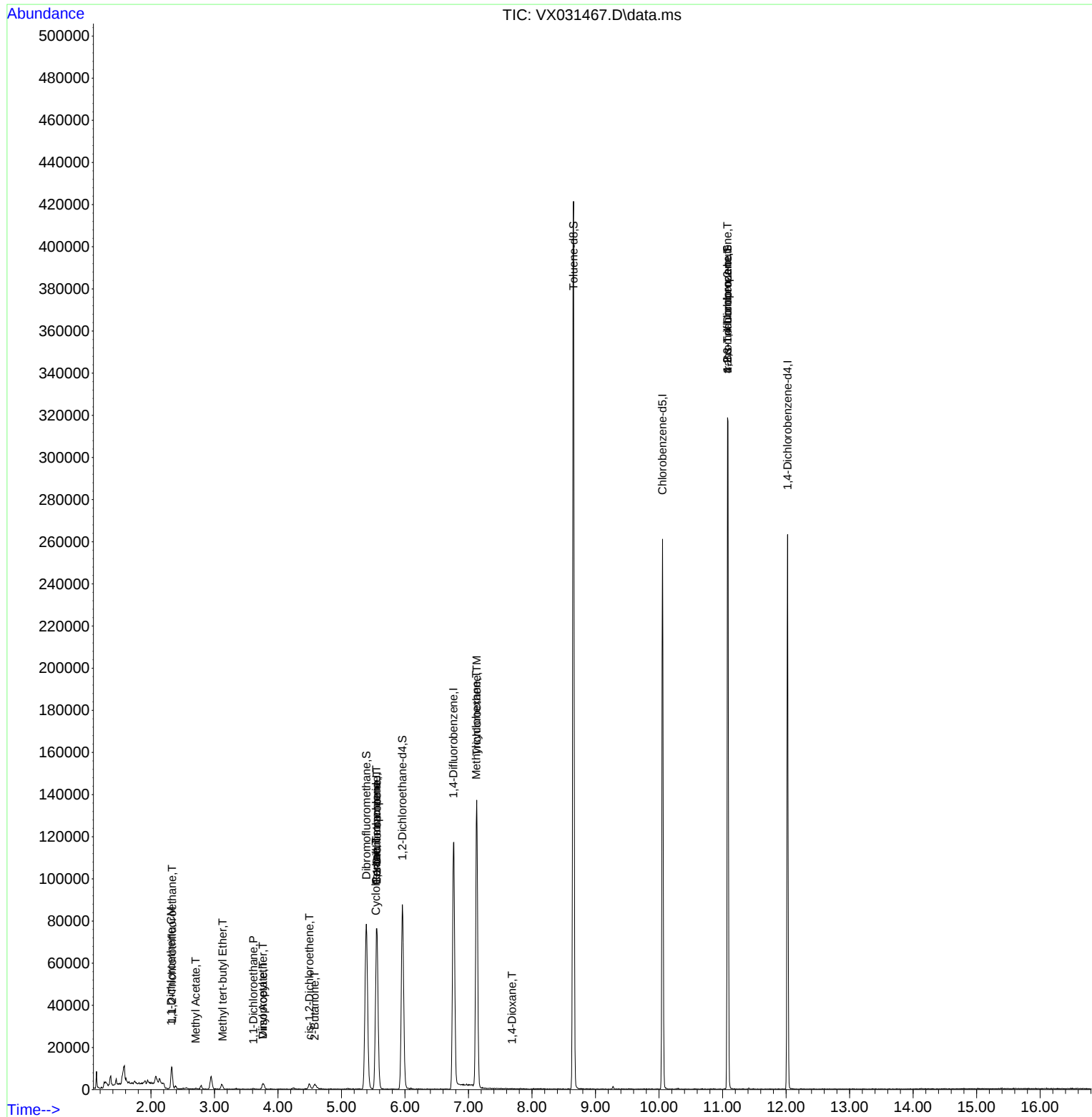
Internal Standards						
1) Pentafluorobenzene	5.550	168	72713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	120359	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	110011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77424	58.127	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.260%	
35) Dibromofluoromethane	5.391	113	65285	52.515	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.020%	
50) Toluene-d8	8.653	98	243634	50.808	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.620%	
62) 4-Bromofluorobenzene	11.079	95	75647	46.573	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.140%	
Target Compounds						Qvalue
6) Chloroethane	1.727	64	48	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	3487	2.978	ug/l	93
11) Tert butyl alcohol	2.947	59	3264	Below Cal	#	73
12) 1,1-Dichloroethene	2.319	96	744	0.657	ug/l #	69
13) Acrolein	2.172	56	31	Below Cal	#	1
16) Acetone	2.386	43	1522	Below Cal		95
18) Methyl Acetate	2.703	43	615	0.309	ug/l #	52
19) Methyl tert-butyl Ether	3.130	73	2219	0.542	ug/l	95
20) Methylene Chloride	2.794	84	776	Below Cal	#	78
22) Diisopropyl ether	3.764	45	2750	0.688	ug/l #	90
23) Vinyl Acetate	3.764	43	1780	0.521	ug/l #	71
24) 1,1-Dichloroethane	3.611	63	577	0.255	ug/l #	82
25) 2-Butanone	4.574	43	648	0.629	ug/l #	49
27) cis-1,2-Dichloroethene	4.495	96	1455	0.945	ug/l	89
31) Cyclohexane	5.544	56	1717	0.868	ug/l #	26
36) 1,1-Dichloropropene	5.556	75	6377	3.333	ug/l #	49
38) Carbon Tetrachloride	5.550	117	7223	3.406	ug/l #	17
39) Methylcyclohexane	7.123	83	628	0.267	ug/l #	1
44) Trichloroethene	7.129	130	49938	30.858	ug/l	90
49) 1,4-Dioxane	7.684	88	89	2.432	ug/l #	24
75) 1,1,2,2-Tetrachloroethane	11.085	83	177	Below Cal	#	12
76) 1,2,3-Trichloropropane	11.079	75	42337	38.949	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	42337	125.409	ug/l #	11

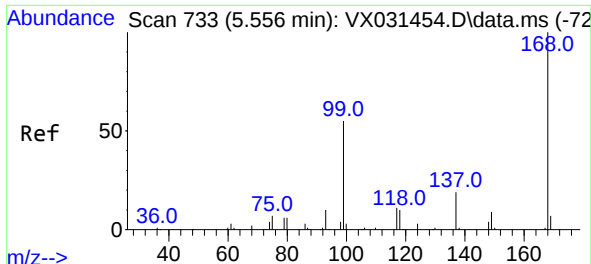
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
BP-VPB-RW5-GW-238-240DL

Quant Time: Sep 20 09:49:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 09:45:29 2022
Response via : Initial Calibration

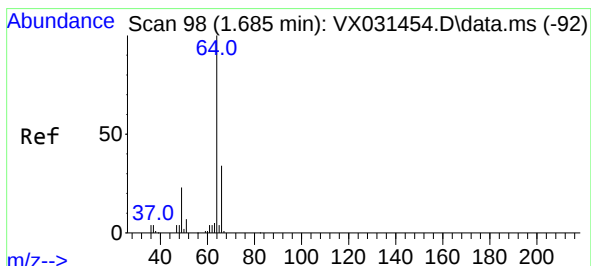
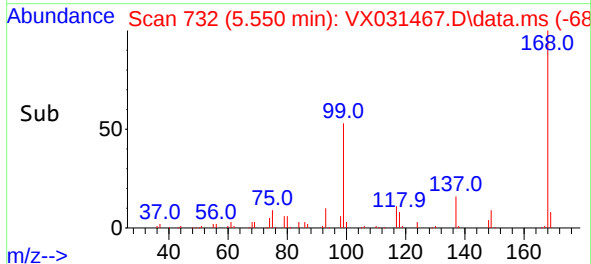
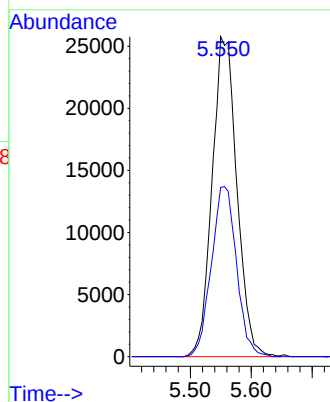
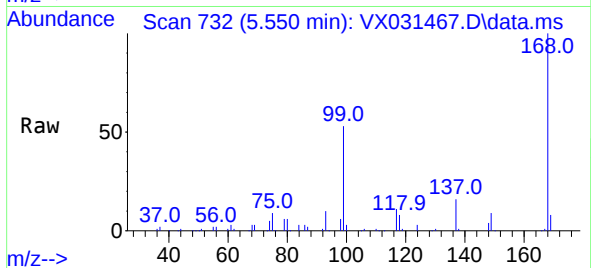




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

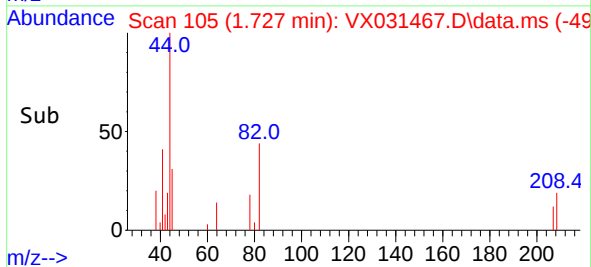
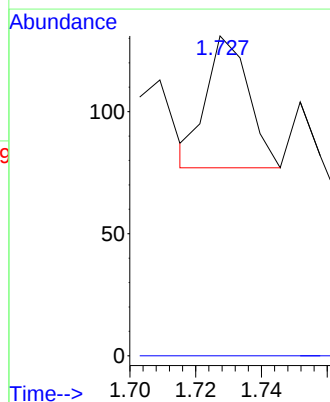
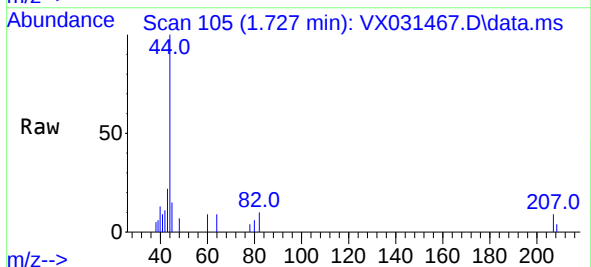
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-238-240DL

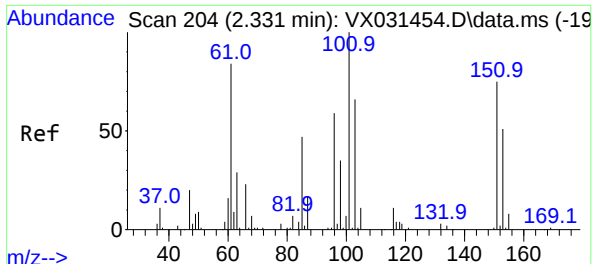
Tgt Ion:168 Resp: 72713
Ion Ratio Lower Upper
168 100
99 52.9 48.8 73.2



#6
Chloroethane
Concen: Below Cal
RT: 1.727 min Scan# 105
Delta R.T. 0.042 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

Tgt Ion: 64 Resp: 48
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

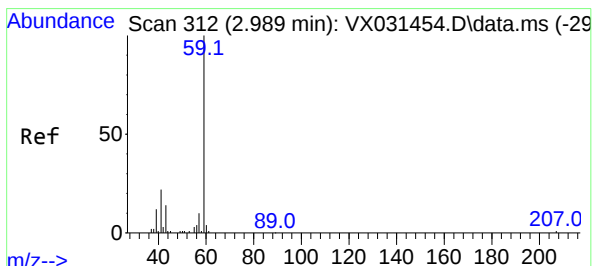
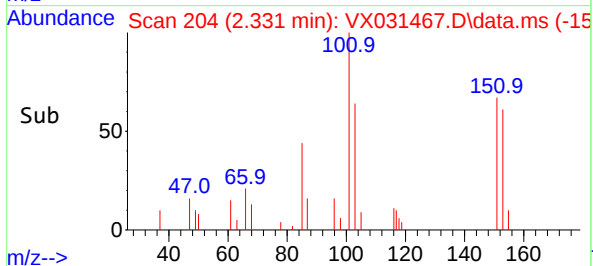
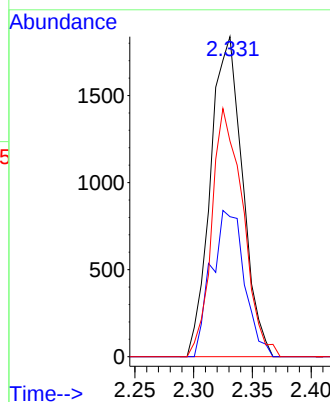
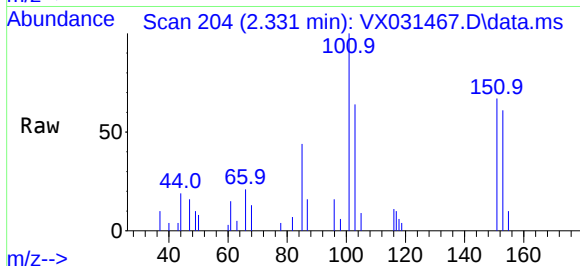




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.978 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

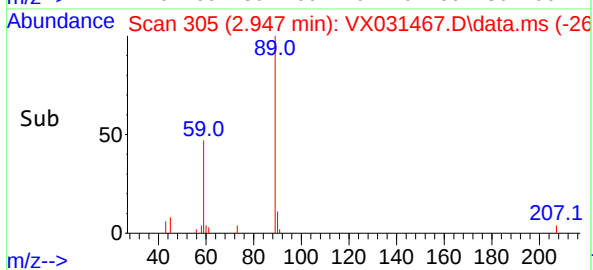
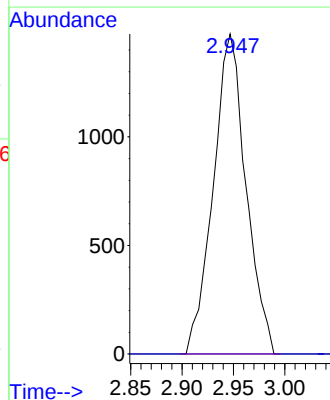
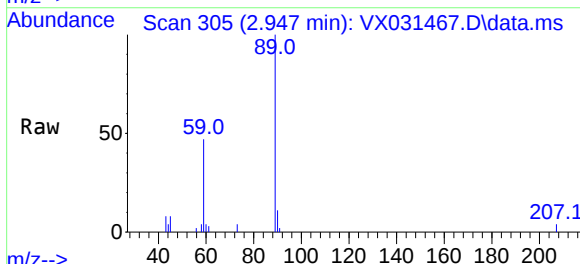
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-238-240DL

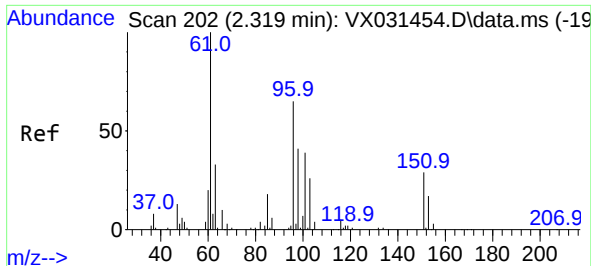
Tgt Ion:101 Resp: 3487
Ion Ratio Lower Upper
101 100
85 47.0 38.6 57.8
151 75.5 54.0 81.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

Tgt Ion: 59 Resp: 3264
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

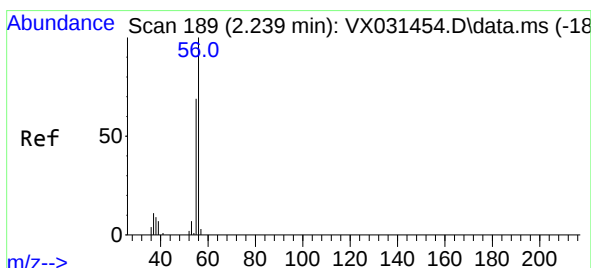
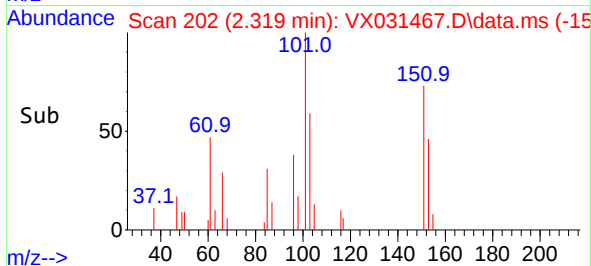
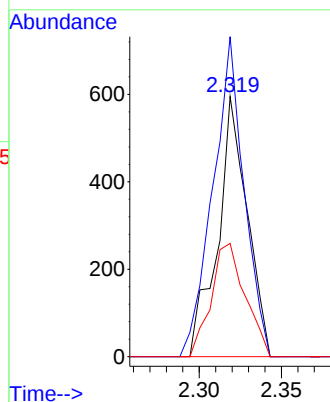
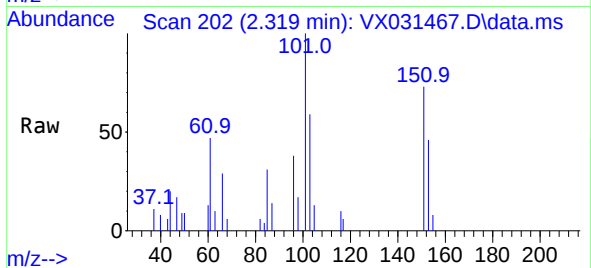




#12
1,1-Dichloroethene
Concen: 0.657 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

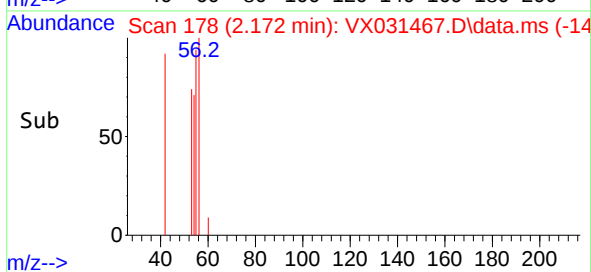
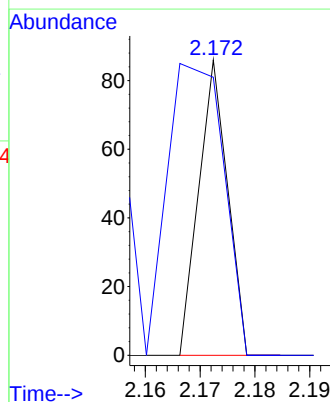
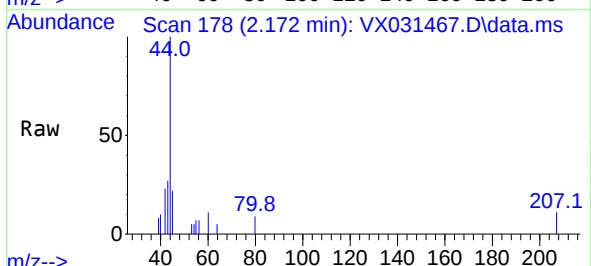
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-238-240DL

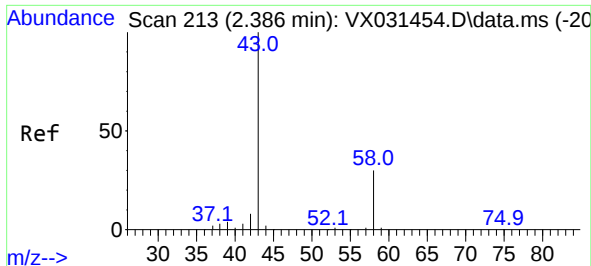
Tgt Ion: 96 Resp: 744
Ion Ratio Lower Upper
96 100
61 123.0 135.3 202.9#
98 43.5 49.4 74.2#



#13
Acrolein
Concen: Below Cal
RT: 2.172 min Scan# 178
Delta R.T. -0.067 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

Tgt Ion: 56 Resp: 31
Ion Ratio Lower Upper
56 100
55 196.8 56.0 84.0#

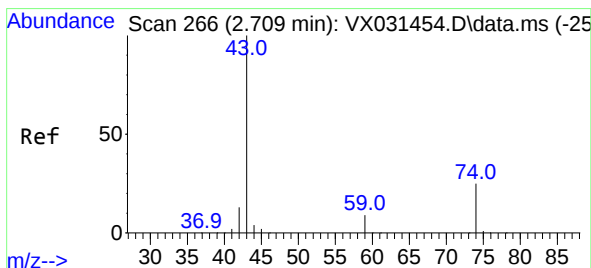
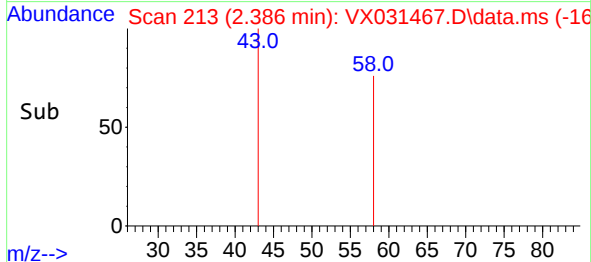
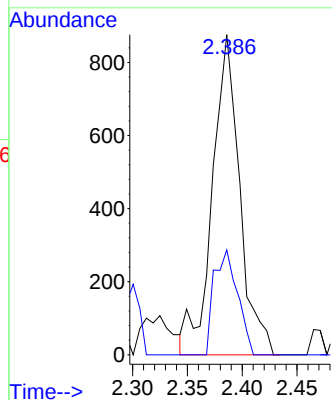
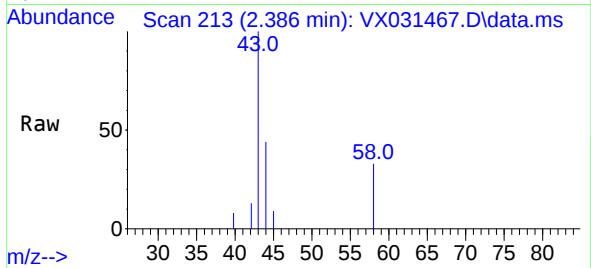




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

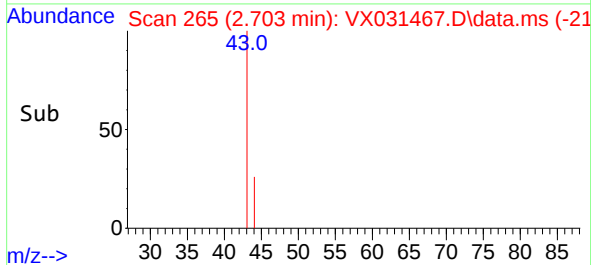
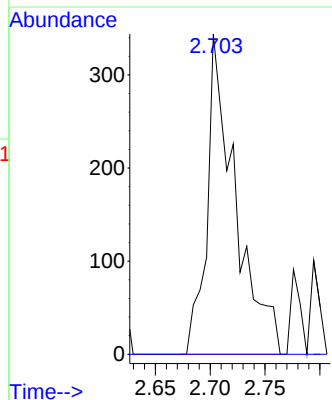
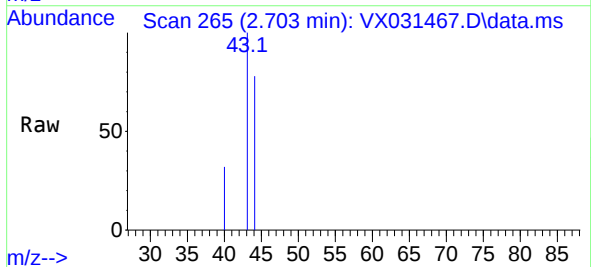
Instrument : MSVOA_X
ClientSampleId : BP-VPB-RW5-GW-238-240DL

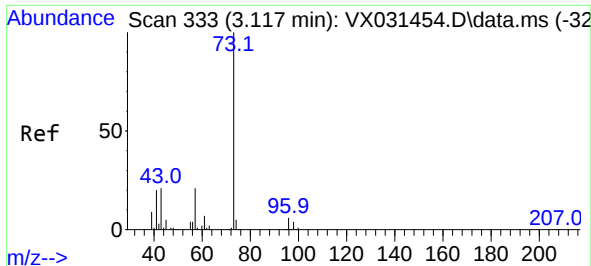
Tgt Ion: 43 Resp: 1522
Ion Ratio Lower Upper
43 100
58 32.8 23.8 35.8



#18
Methyl Acetate
Concen: 0.309 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

Tgt Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#

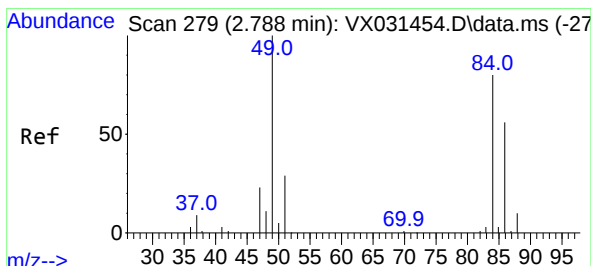
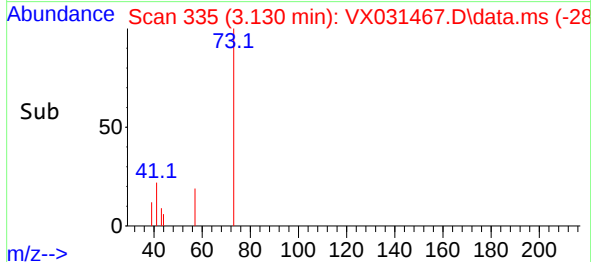
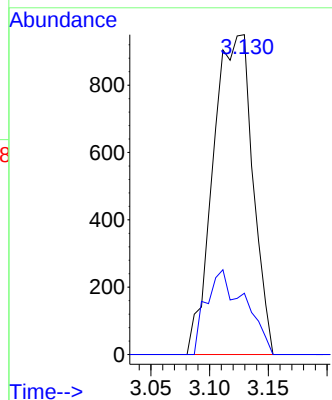
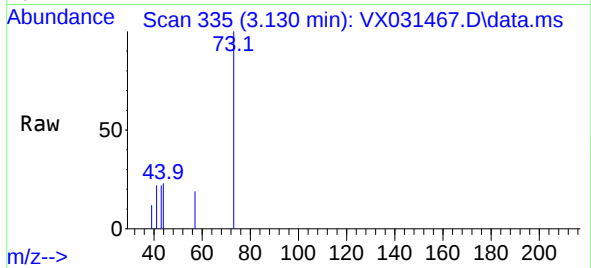




#19
Methyl tert-butyl Ether
Concen: 0.542 ug/l
RT: 3.130 min Scan# 31
Delta R.T. 0.013 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

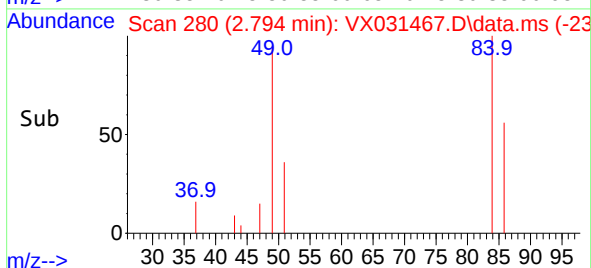
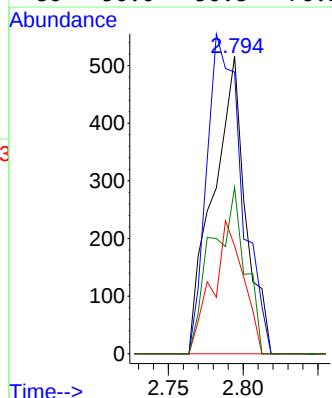
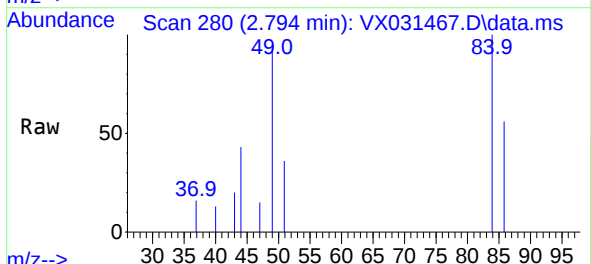
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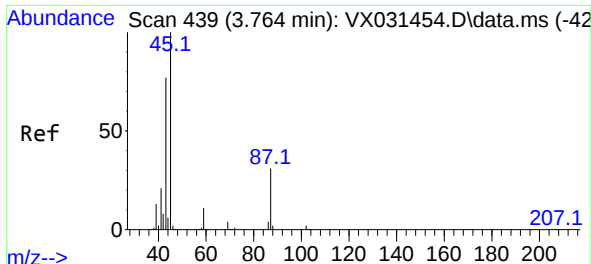
Tgt Ion: 73 Resp: 2219
Ion Ratio Lower Upper
73 100
57 19.2 17.2 25.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

Tgt Ion: 84 Resp: 776
Ion Ratio Lower Upper
84 100
49 94.8 105.9 158.9#
51 36.2 32.2 48.2
86 56.0 50.8 76.2

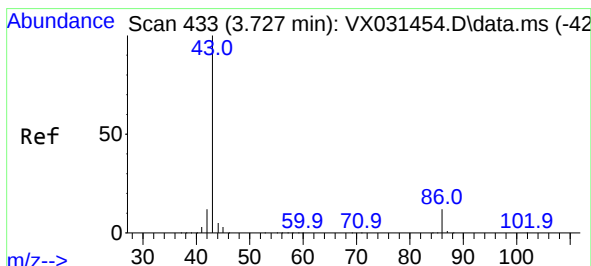
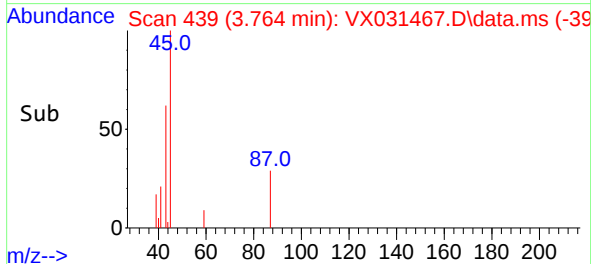
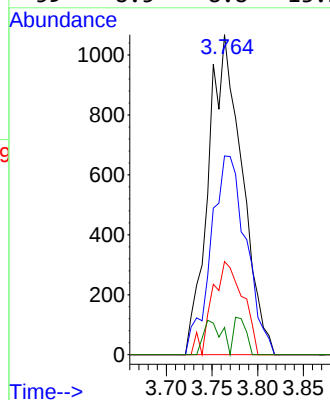
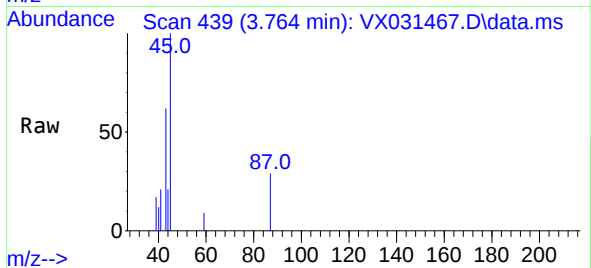




#22
Diisopropyl ether
Concen: 0.688 ug/l
RT: 3.764 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

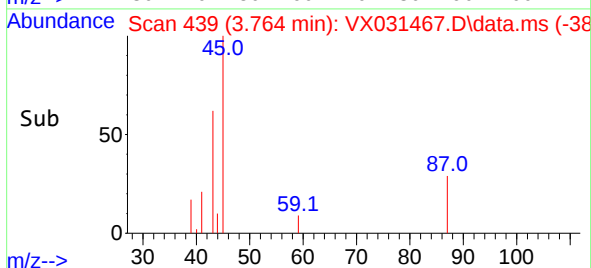
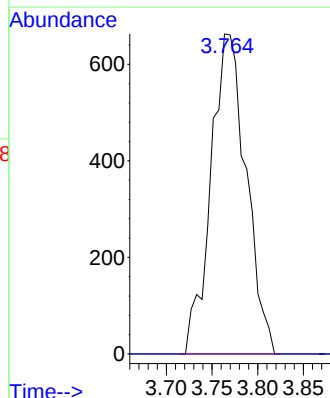
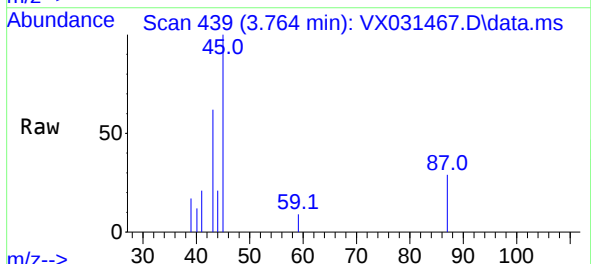
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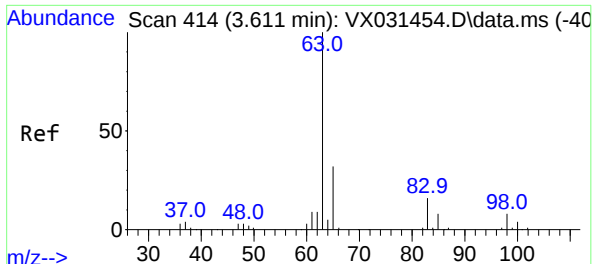
Tgt Ion:	45	Resp:	2750
Ion	Ratio	Lower	Upper
45	100		
43	62.1	59.0	88.6
87	29.1	22.6	33.8
59	8.5	8.8	13.2



#23
Vinyl Acetate
Concen: 0.521 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.037 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

Tgt Ion:	43	Resp:	1780
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.7	13.1





#24

1,1-Dichloroethane

Concen: 0.255 ug/l

RT: 3.611 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX031467.D

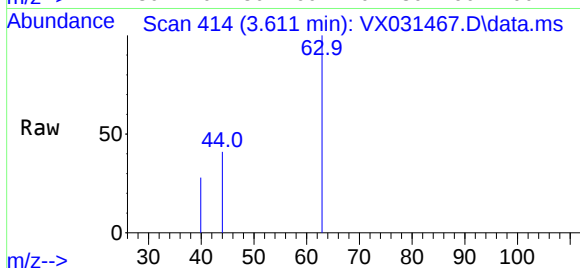
Acq: 19 Sep 2022 18:02

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW5-GW-238-240DL



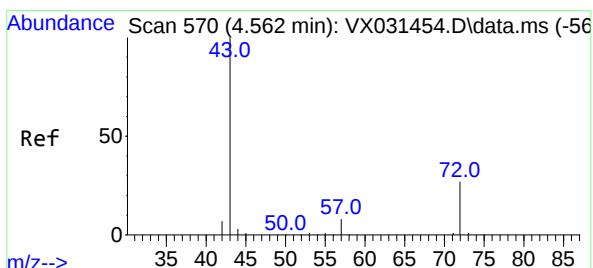
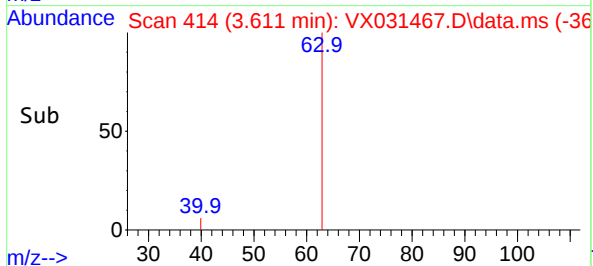
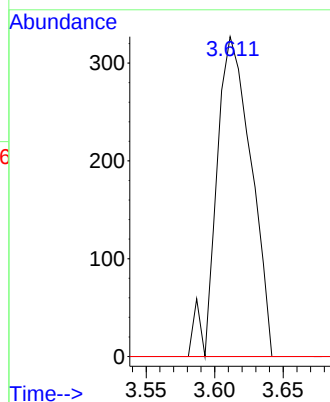
Tgt Ion: 63 Resp: 577

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 0.0 2.4 7.2#



#25

2-Butanone

Concen: 0.629 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX031467.D

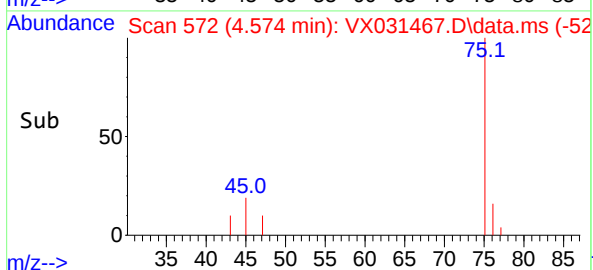
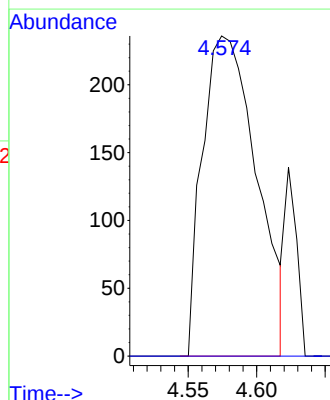
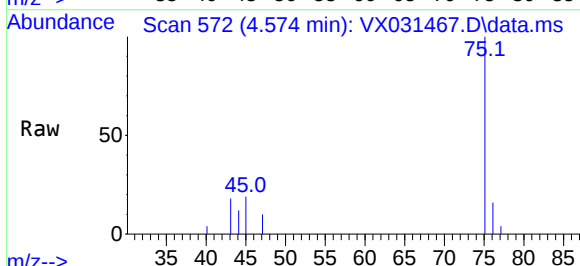
Acq: 19 Sep 2022 18:02

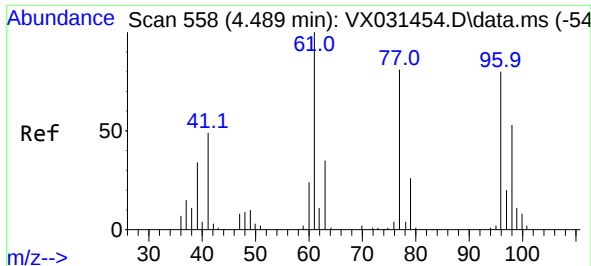
Tgt Ion: 43 Resp: 648

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



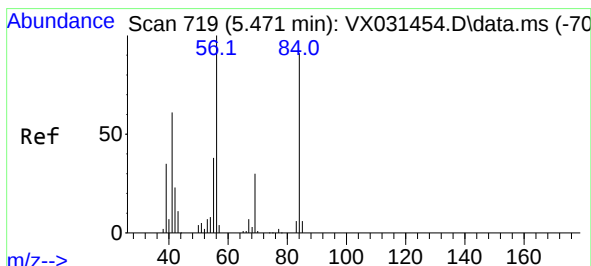
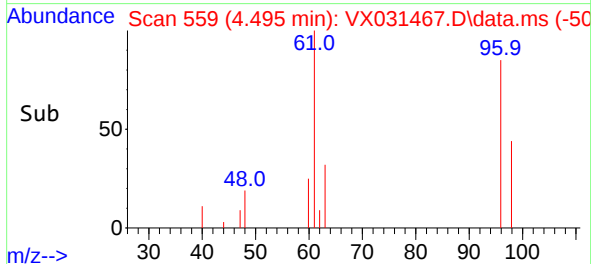
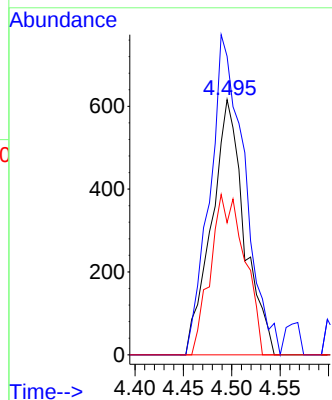
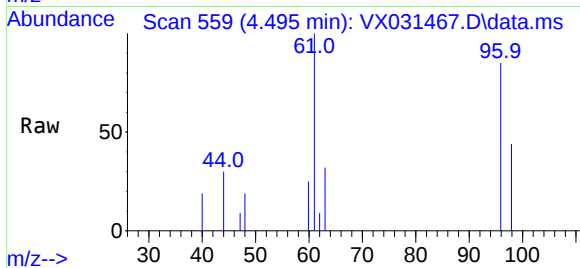


#27
cis-1,2-Dichloroethene
Concen: 0.945 ug/l
RT: 4.495 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-238-240DL

Tgt Ion: 96 Resp: 1455

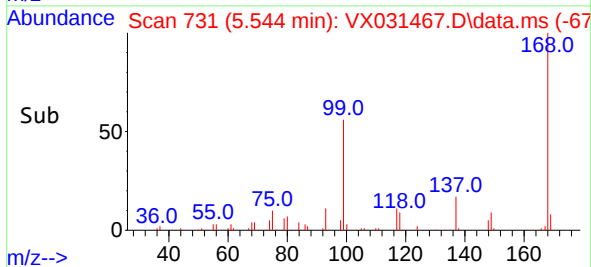
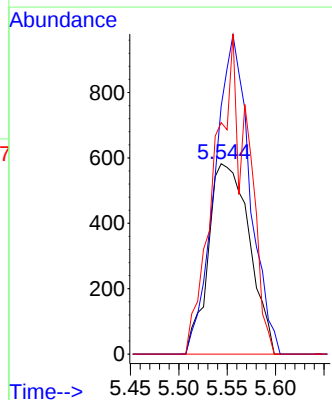
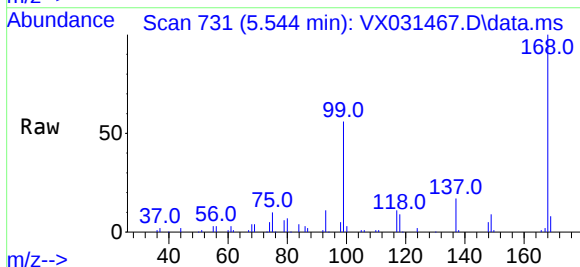
Ion	Ratio	Lower	Upper
96	100		
61	132.9	0.0	305.2
98	65.2	0.0	128.4

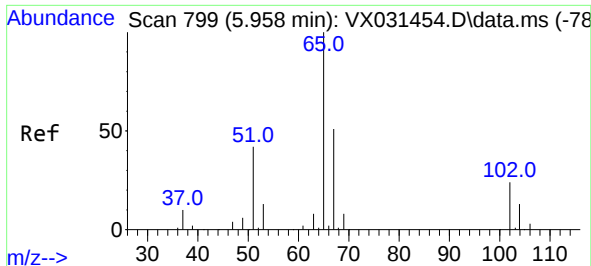


#31
Cyclohexane
Concen: 0.868 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

Tgt Ion: 56 Resp: 1717

Ion	Ratio	Lower	Upper
56	100		
69	130.2	25.1	37.7#
84	121.6	70.2	105.4#





#33

1,2-Dichloroethane-d4

Concen: 58.127 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031467.D

Acq: 19 Sep 2022 18:02

Instrument :

MSVOA_X

ClientSampleId :

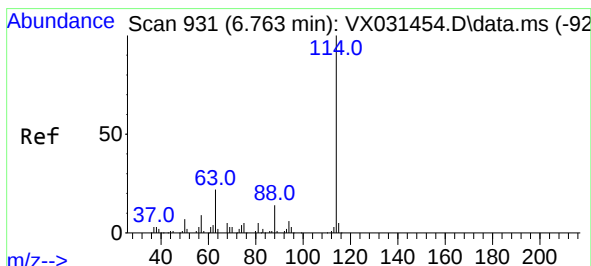
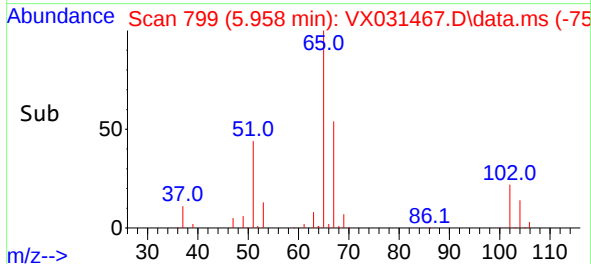
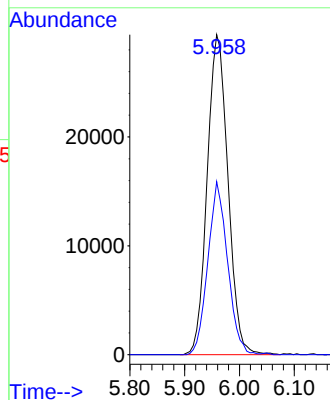
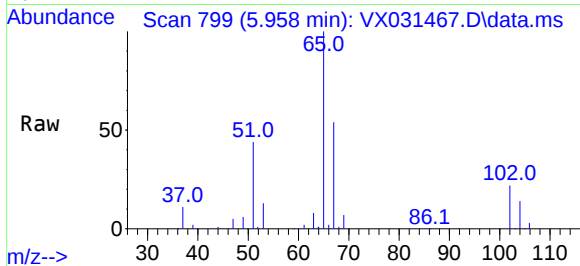
BP-VPB-RW5-GW-238-240DL

Tgt Ion: 65 Resp: 77424

Ion Ratio Lower Upper

65 100

67 51.2 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: VX031467.D

Acq: 19 Sep 2022 18:02

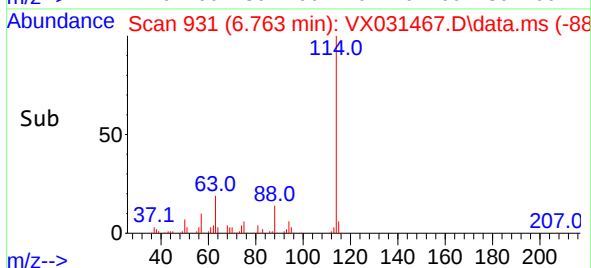
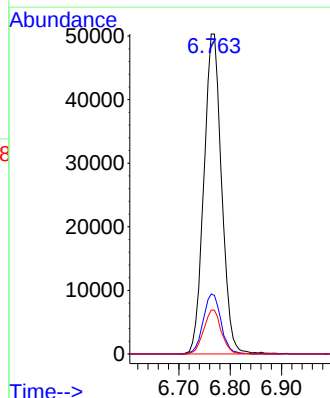
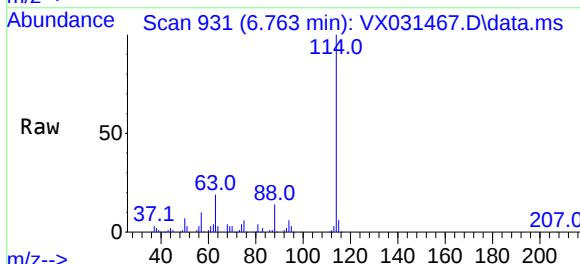
Tgt Ion: 114 Resp: 120359

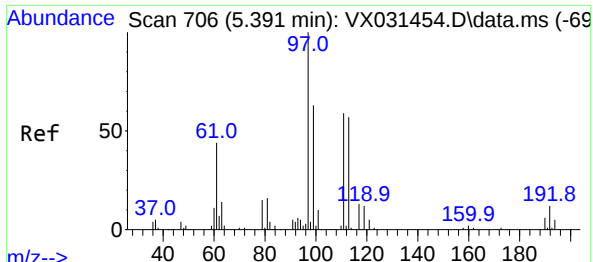
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.6

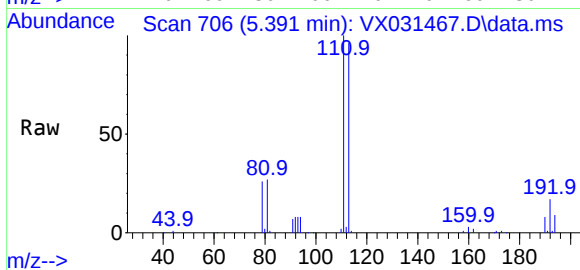
88 13.7 0.0 33.0



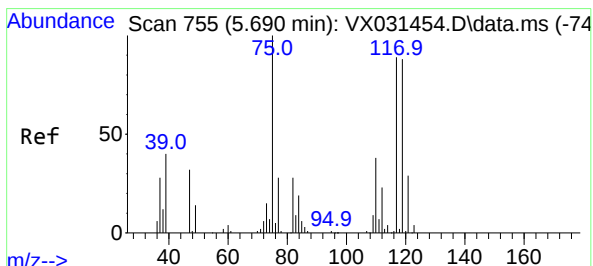
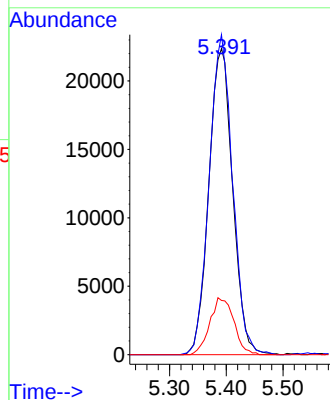
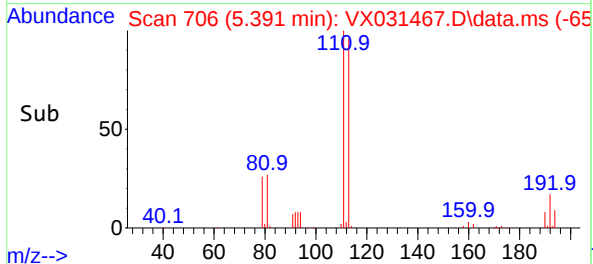


#35
Dibromofluoromethane
Concen: 52.515 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

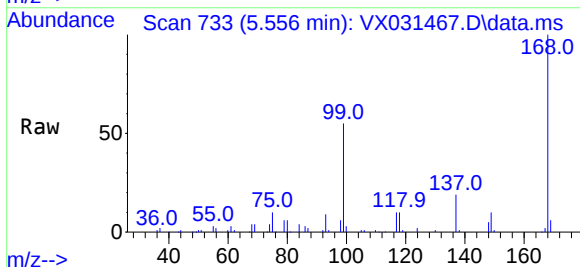
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-238-240DL



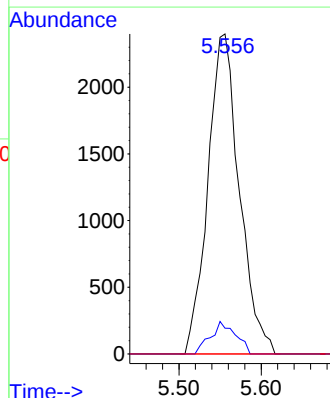
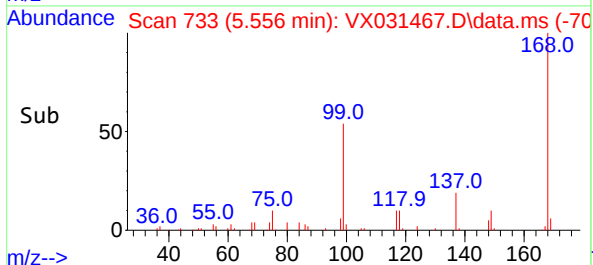
Tgt Ion:113 Resp: 65285
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 18.8 14.1 21.1

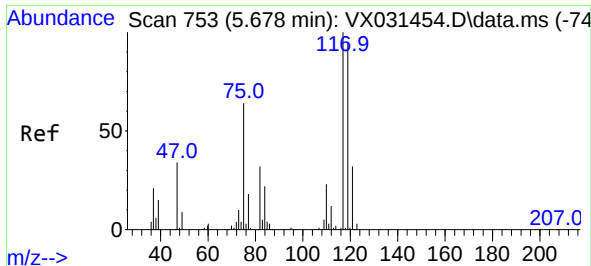


#36
1,1-Dichloropropene
Concen: 3.333 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02



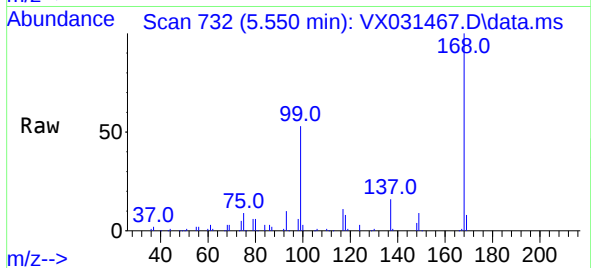
Tgt Ion: 75 Resp: 6377
Ion Ratio Lower Upper
75 100
110 8.1 17.5 52.5#
77 0.0 24.9 37.3#



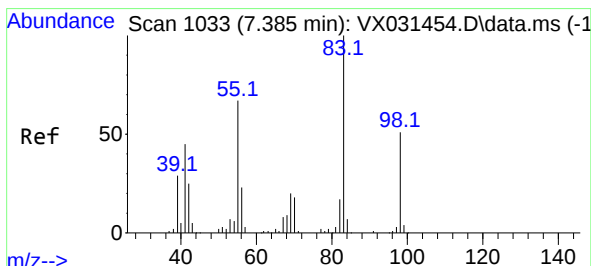
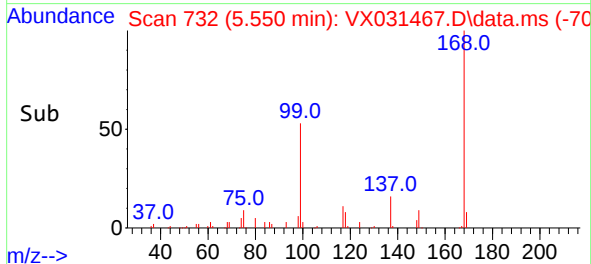
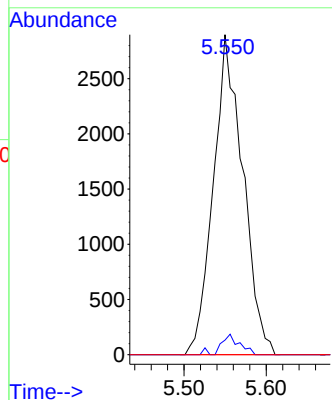


#38
Carbon Tetrachloride
Concen: 3.406 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-238-240DL

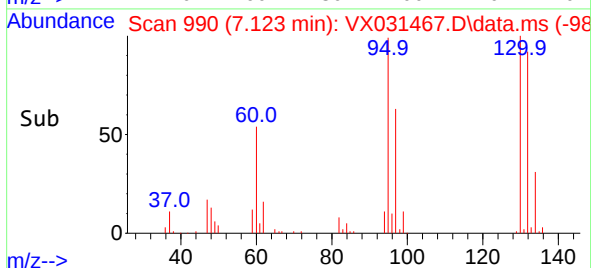
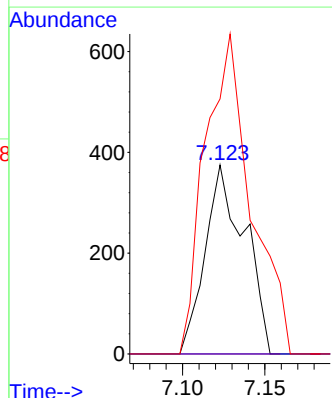
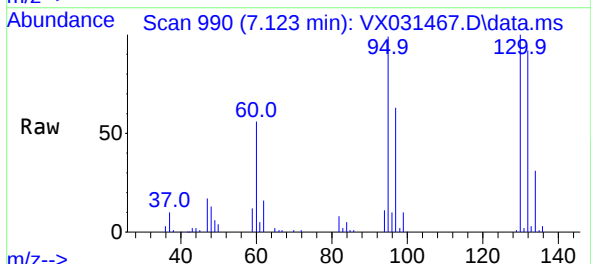


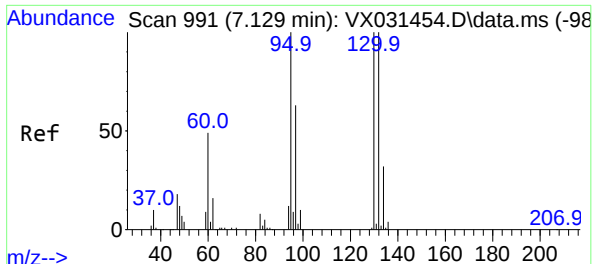
Tgt Ion:117 Resp: 7223
Ion Ratio Lower Upper
117 100
119 4.6 74.6 112.0#
121 0.0 25.3 37.9#



#39
Methylcyclohexane
Concen: 0.267 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

Tgt Ion: 83 Resp: 628
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.4#
98 134.9 37.7 56.5#

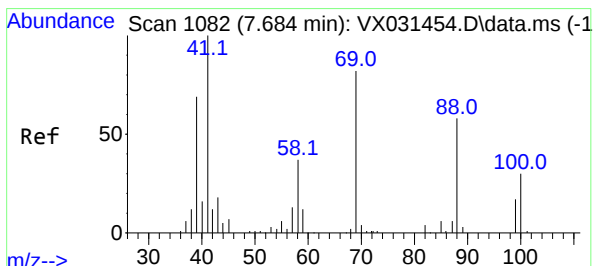
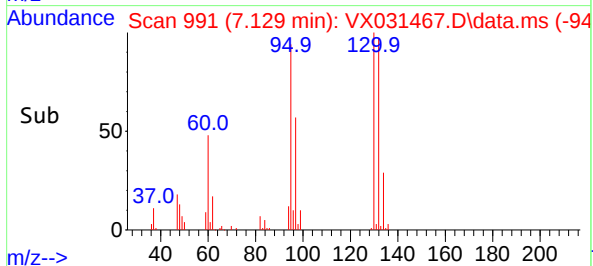
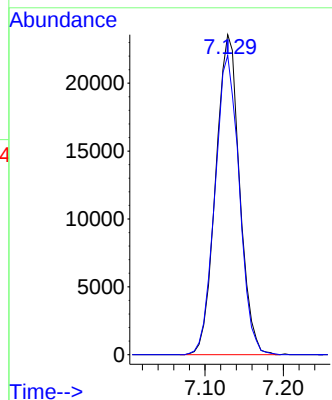
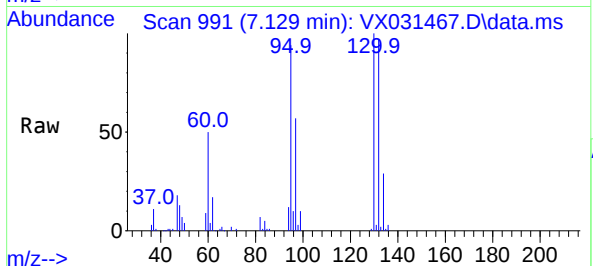




#44
Trichloroethene
Concen: 30.858 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

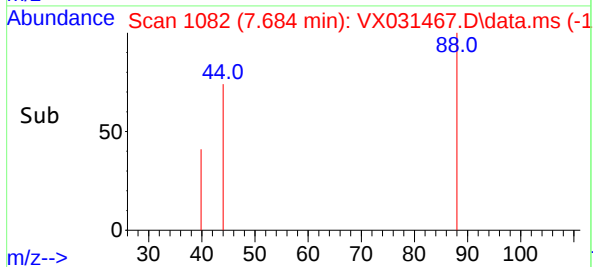
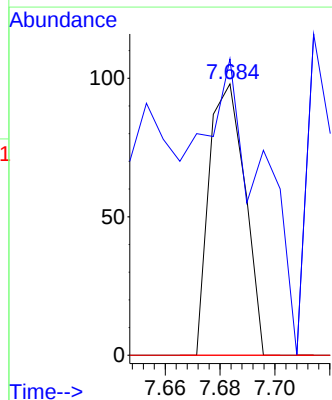
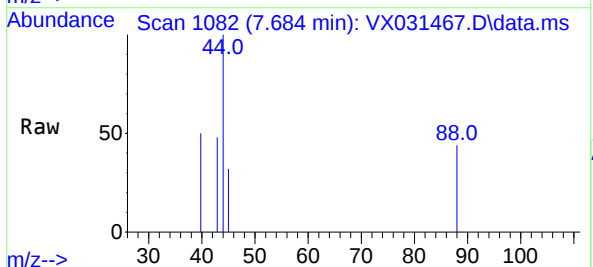
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-238-240DL

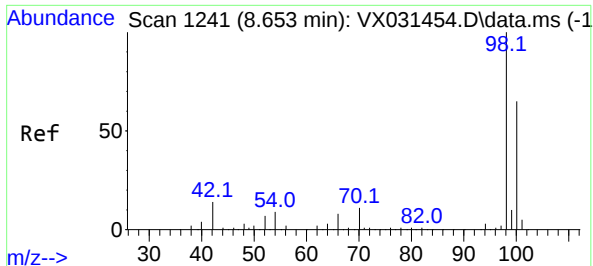
Tgt Ion:130 Resp: 49938
Ion Ratio Lower Upper
130 100
95 93.5 0.0 206.8



#49
1,4-Dioxane
Concen: 2.432 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. -0.000 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 0.0 53.9 80.9#

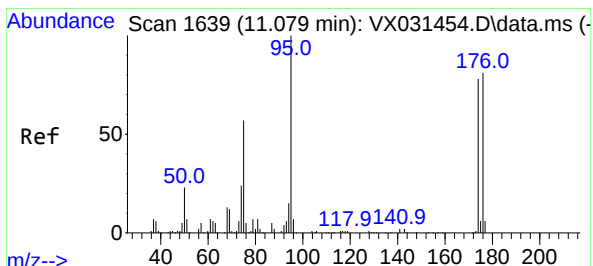
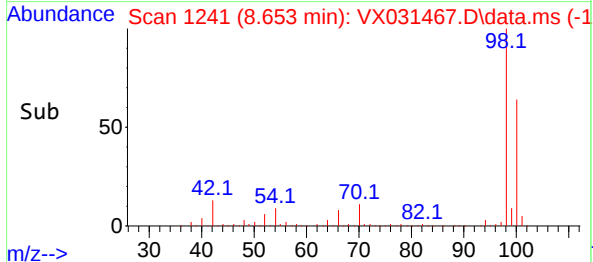
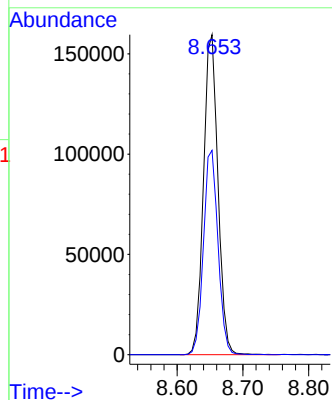
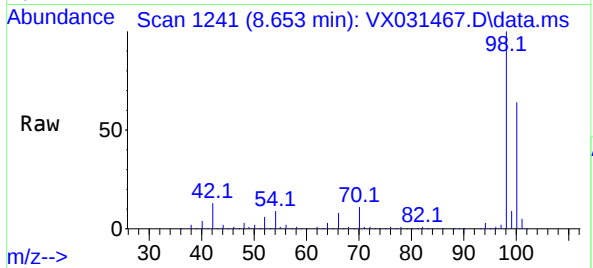




#50
Toluene-d8
Concen: 50.808 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

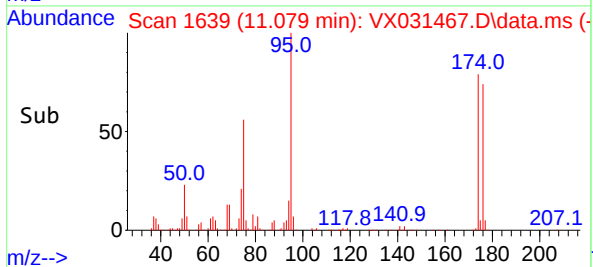
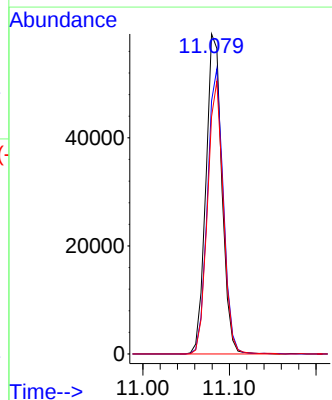
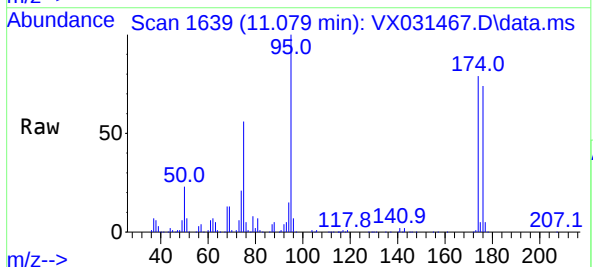
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-238-240DL

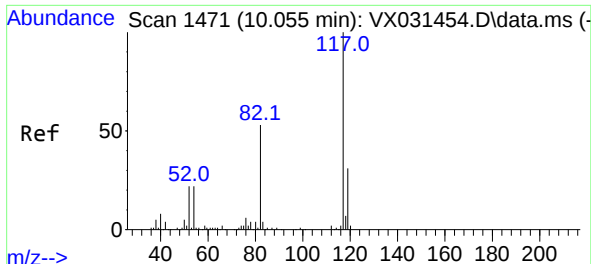
Tgt Ion: 98 Resp: 243634
Ion Ratio Lower Upper
98 100
100 64.2 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 46.573 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

Tgt Ion: 95 Resp: 75647
Ion Ratio Lower Upper
95 100
174 88.9 0.0 153.2
176 84.2 0.0 144.0

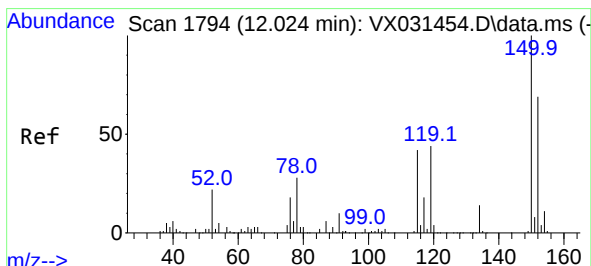
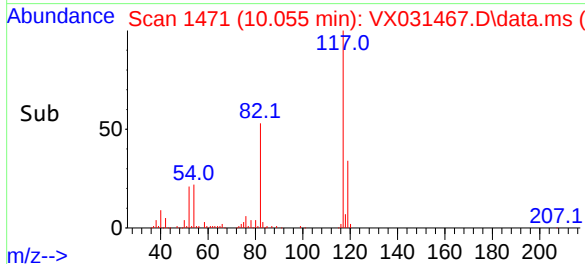
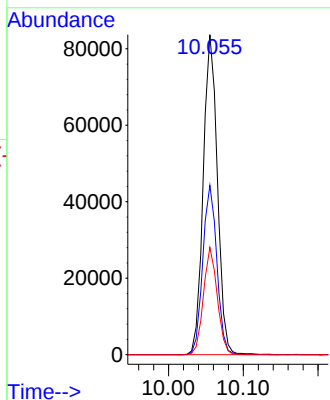
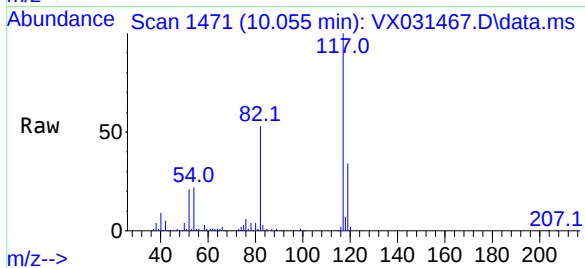




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

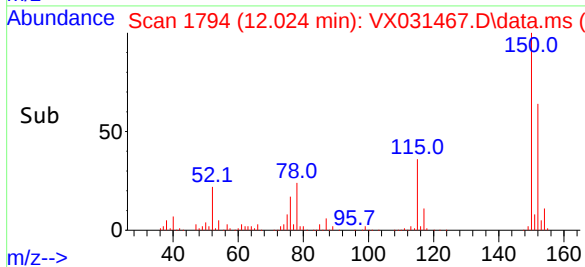
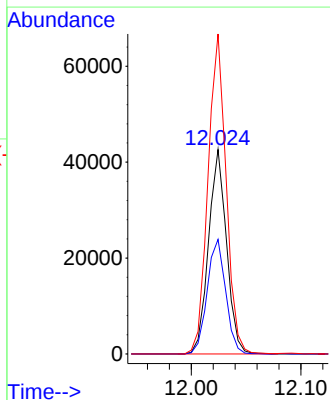
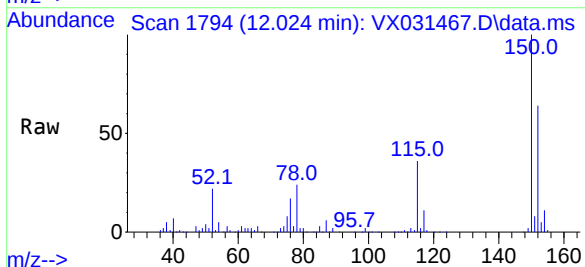
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-238-240DL

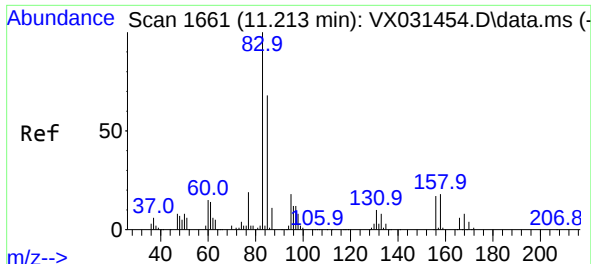
Tgt Ion:117 Resp: 110011
Ion Ratio Lower Upper
117 100
82 52.9 46.8 70.2
119 33.5 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

Tgt Ion:152 Resp: 48703
Ion Ratio Lower Upper
152 100
115 57.4 43.4 130.1
150 157.2 0.0 346.8

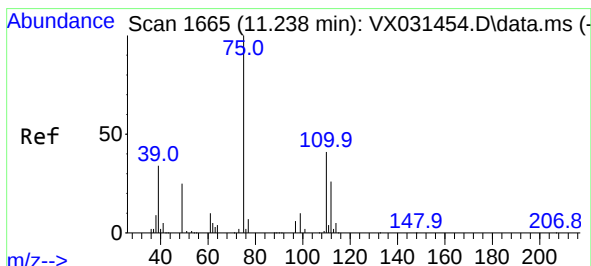
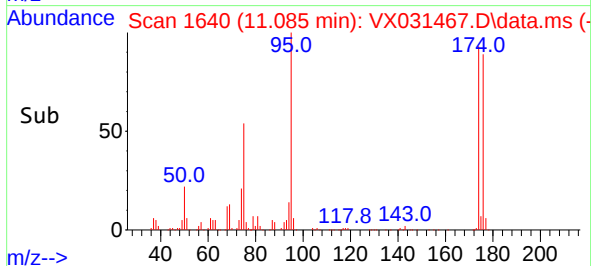
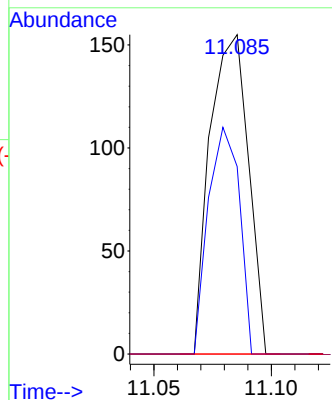
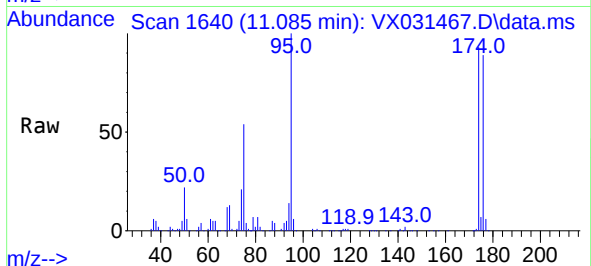




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.085 min Scan# 1639
Delta R.T. -0.128 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

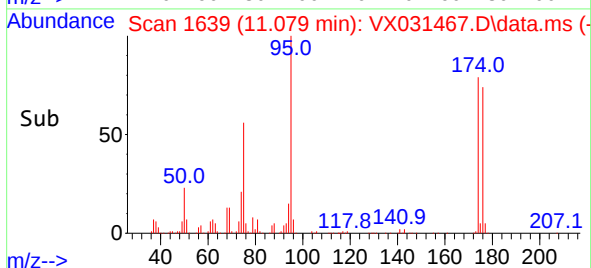
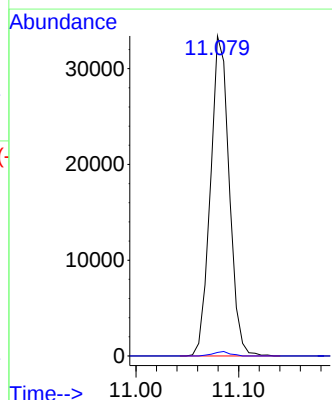
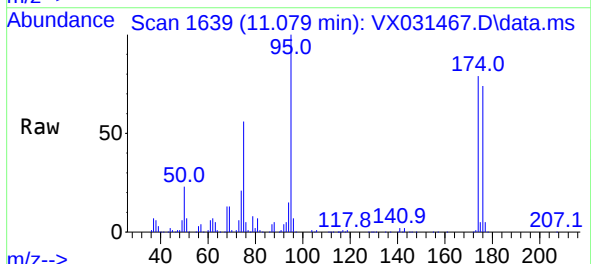
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-238-240DL

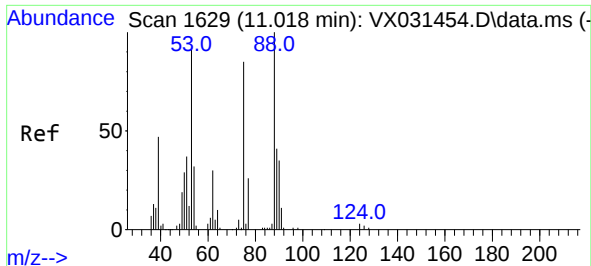
Tgt Ion: 83 Resp: 177
Ion Ratio Lower Upper
83 100
131 57.1 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 38.949 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

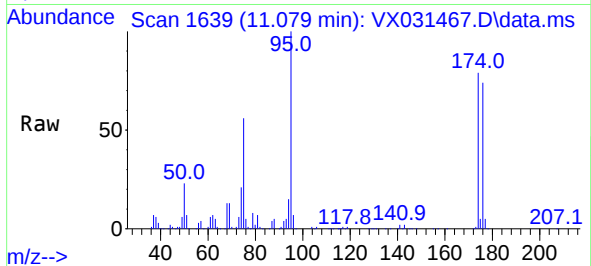
Tgt Ion: 75 Resp: 42337
Ion Ratio Lower Upper
75 100
77 1.3 20.3 60.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 125.409 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX031467.D
Acq: 19 Sep 2022 18:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-238-240DL



Tgt Ion: 75 Resp: 42337
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

