

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090821\
 Data File : VX024132.D
 Acq On : 08 Sep 2021 13:02
 Operator : JC/MD
 Sample : M3675-12DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-VPB-RW7-GW-720-722DL

Quant Time: Sep 09 05:44:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

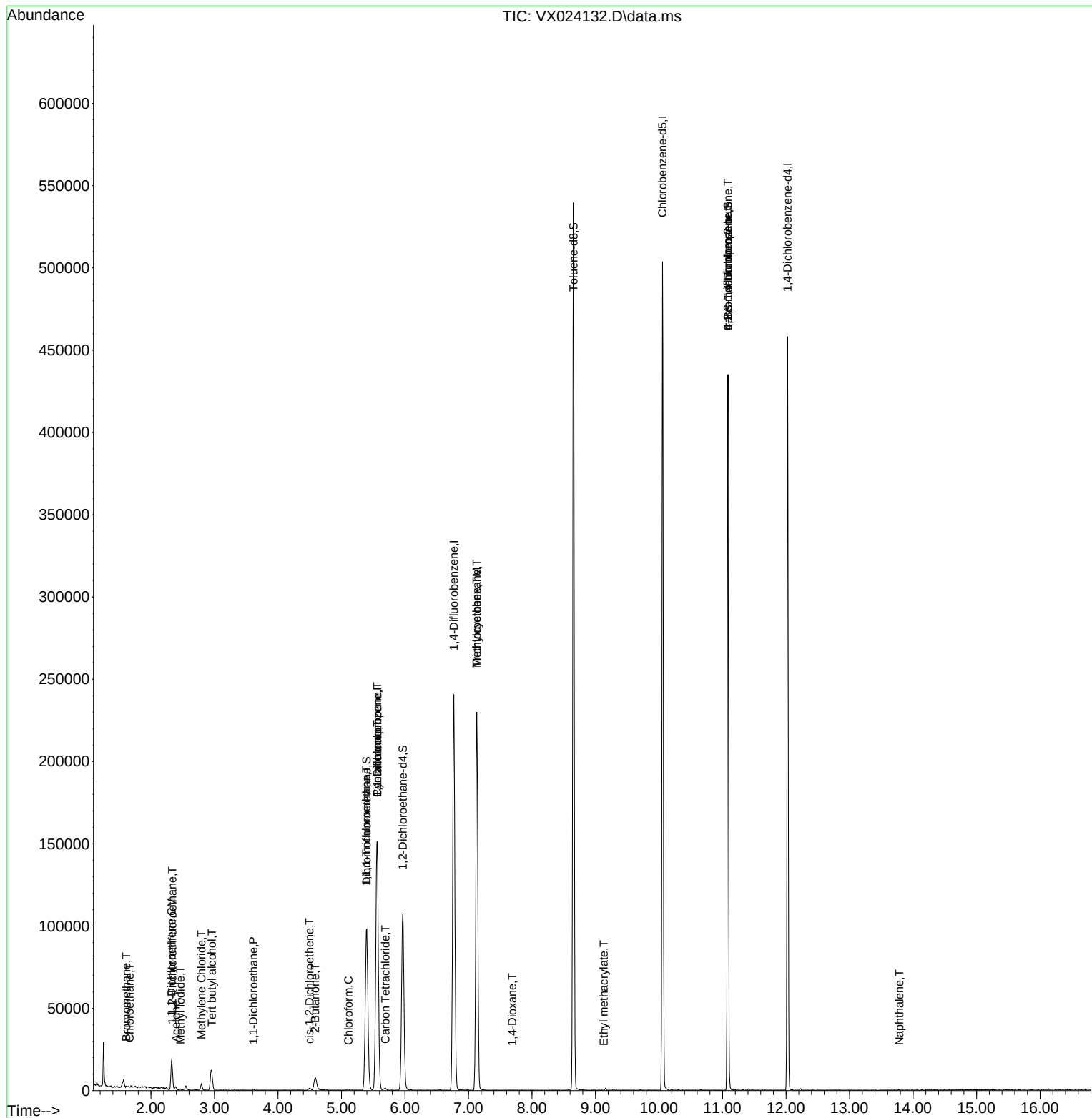
Internal Standards						
1) Pentafluorobenzene	5.562	168	141662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	236967	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	108133	54.691	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.380%	
35) Dibromofluoromethane	5.397	113	83609	53.308	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.620%	
50) Toluene-d8	8.653	98	303342	50.815	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.640%	
62) 4-Bromofluorobenzene	11.085	95	106689	48.549	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.100%	
Target Compounds						Qvalue
5) Bromomethane	1.611	94	390	0.388	ug/l #	69
6) Chloroethane	1.666	64	64	2.263	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.337	101	3854	2.710	ug/l	97
10) Methyl Iodide	2.465	142	730	0.369	ug/l #	82
11) Tert butyl alcohol	2.959	59	7619	19.055	ug/l #	75
12) 1,1-Dichloroethene	2.325	96	3137	2.307	ug/l #	85
16) Acetone	2.392	43	2367	2.677	ug/l #	86
20) Methylene Chloride	2.794	84	1611	0.954	ug/l #	93
24) 1,1-Dichloroethane	3.611	63	570	0.205	ug/l #	81
25) 2-Butanone	4.587	43	552	0.412	ug/l #	45
27) cis-1,2-Dichloroethene	4.495	96	947	0.548	ug/l	81
30) Chloroform	5.111	83	638	0.217	ug/l	86
31) Cyclohexane	5.562	56	3023	1.190	ug/l #	1
32) 1,1,1-Trichloroethane	5.391	97	511	0.203	ug/l #	43
36) 1,1-Dichloropropene	5.562	75	10808	4.925	ug/l #	50
38) Carbon Tetrachloride	5.690	117	1094	0.478	ug/l	93
39) Methylcyclohexane	7.129	83	1090	0.408	ug/l #	1
44) Trichloroethene	7.129	130	86164	48.068	ug/l	100
49) 1,4-Dioxane	7.690	88	22	0.506	ug/l #	69
56) Ethyl methacrylate	9.128	69	19	0.766	ug/l #	29
76) 1,2,3-Trichloropropane	11.085	75	58151	27.338	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	58151	80.415	ug/l #	12
95) Naphthalene	13.786	128	191	1.310	ug/l #	69

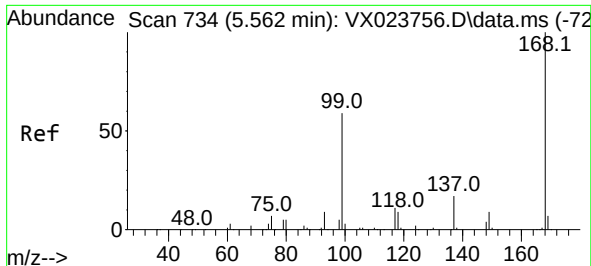
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
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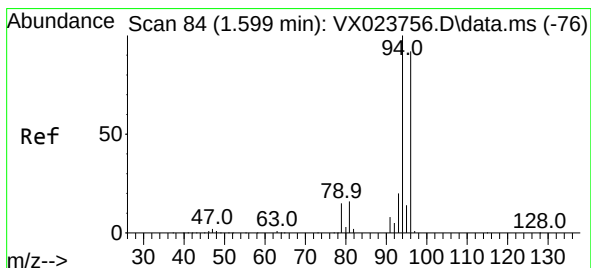
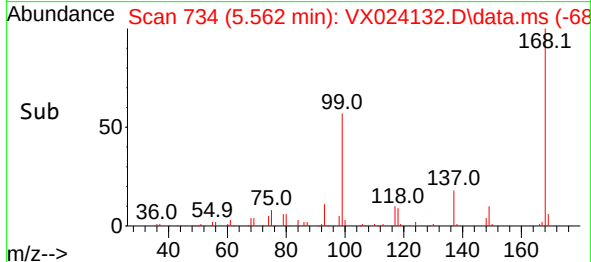
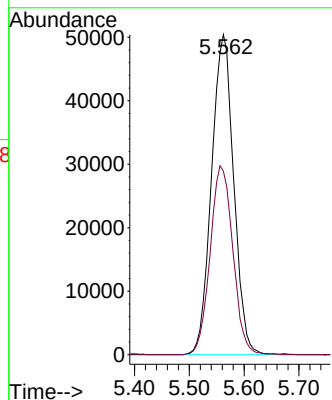
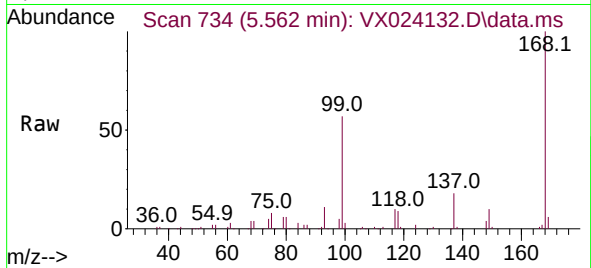




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

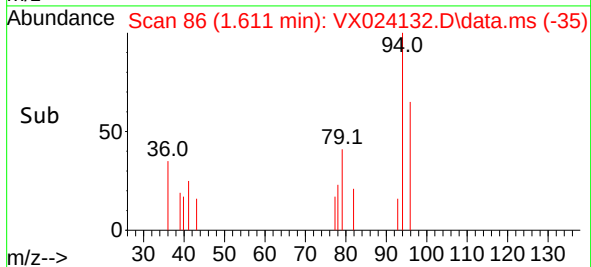
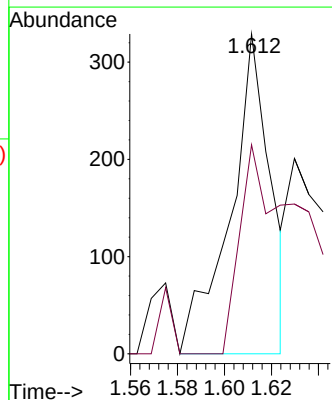
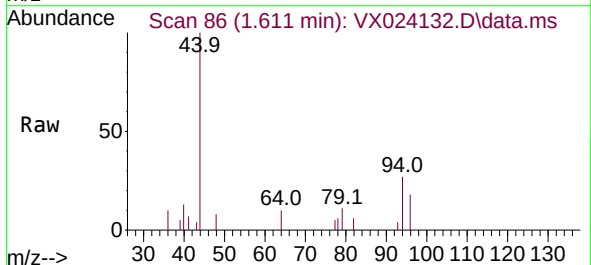
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-720-722DL

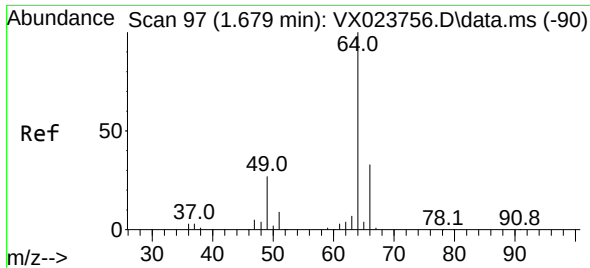
Tgt Ion:168 Resp: 141662
Ion Ratio Lower Upper
168 100
99 57.4 45.8 68.6



#5
Bromomethane
Concen: 0.388 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

Tgt Ion: 94 Resp: 390
Ion Ratio Lower Upper
94 100
96 65.3 76.4 114.6#

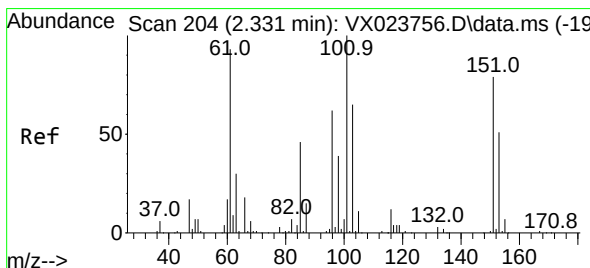
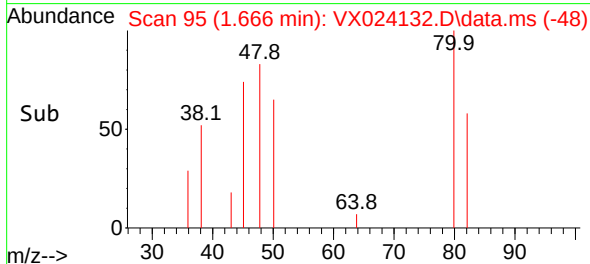
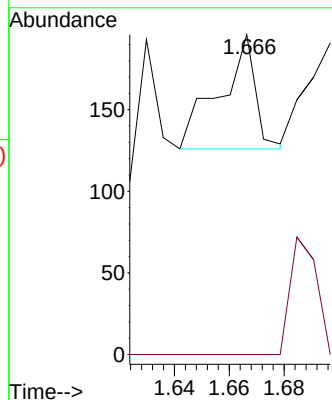
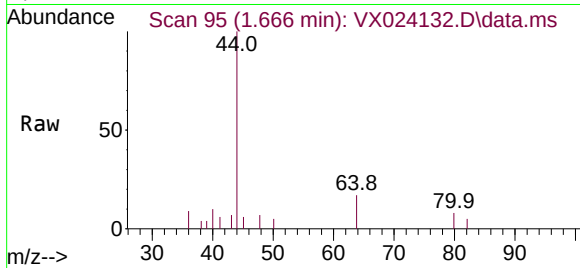




#6
Chloroethane
Concen: 2.263 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

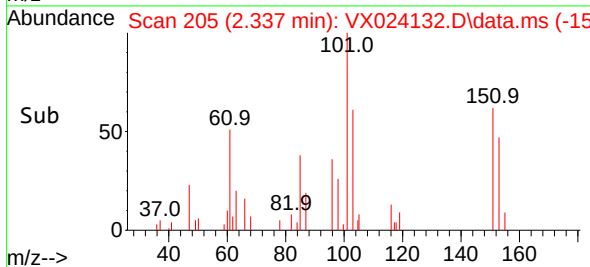
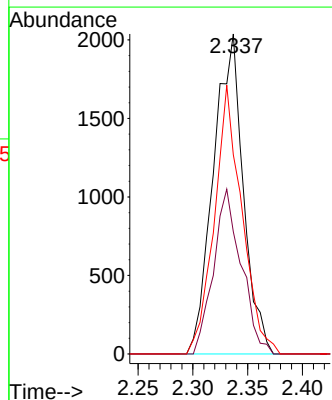
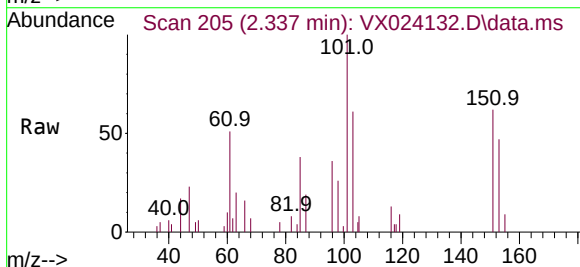
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-720-722DL

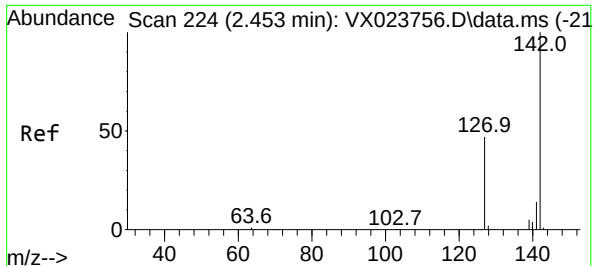
Tgt Ion: 64 Resp: 64
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.710 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

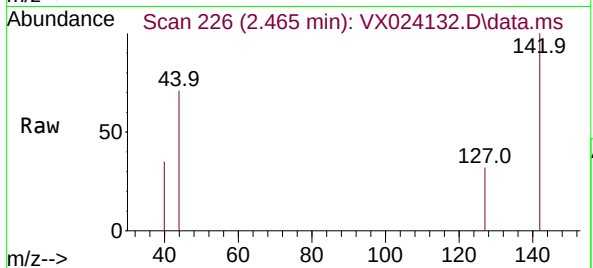
Tgt Ion: 101 Resp: 3854
Ion Ratio Lower Upper
101 100
85 48.0 34.9 52.3
151 77.6 61.4 92.2



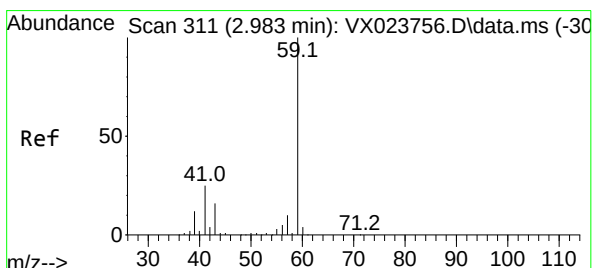
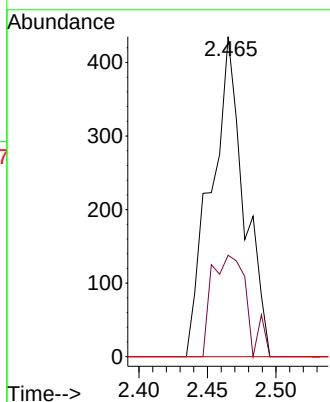
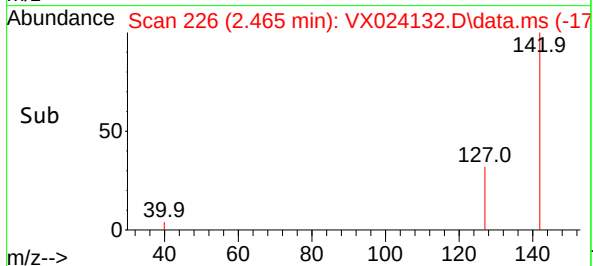


#10
Methyl Iodide
Concen: 0.369 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

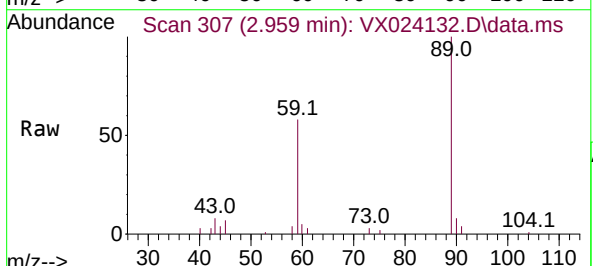
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-720-722DL



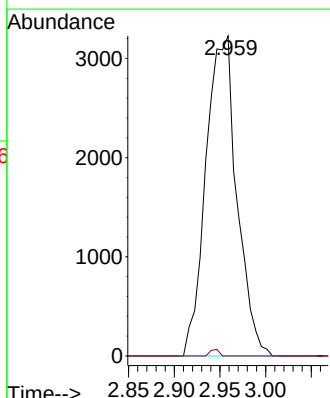
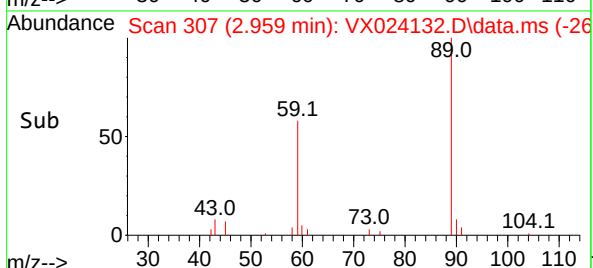
Tgt Ion:142 Resp: 730
Ion Ratio Lower Upper
142 100
127 33.6 33.3 49.9
141 0.0 11.4 17.0#

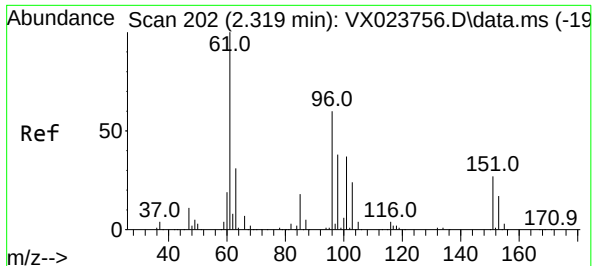


#11
Tert butyl alcohol
Concen: 19.055 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02



Tgt Ion: 59 Resp: 7619
Ion Ratio Lower Upper
59 100
57 0.6 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 2.307 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX024132.D

Acq: 08 Sep 2021 13:02

Tgt Ion: 96 Resp: 3137

Ion Ratio Lower Upper

96 100

61 174.9 124.6 187.0

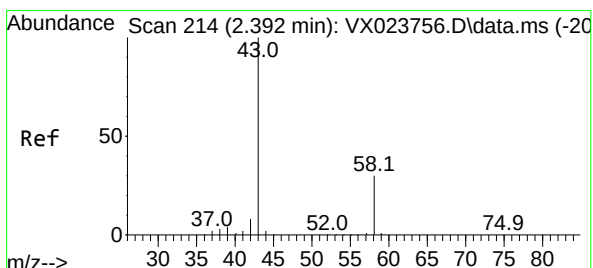
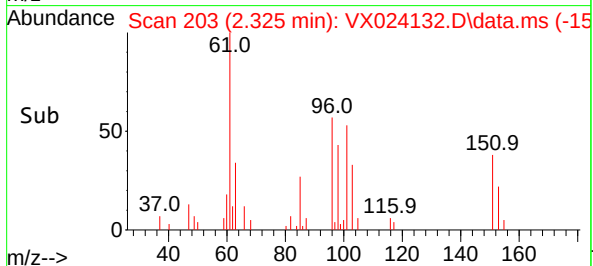
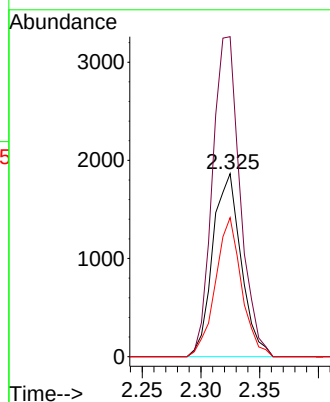
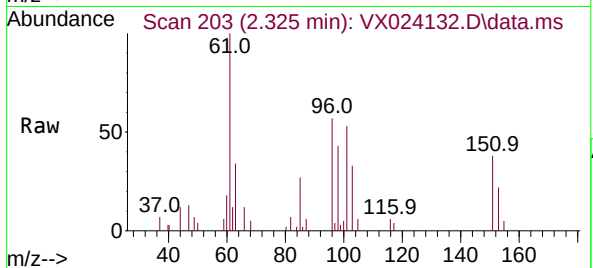
98 76.0 50.6 76.0#

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-VPB-RW7-GW-720-722DL



#16

Acetone

Concen: 2.677 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX024132.D

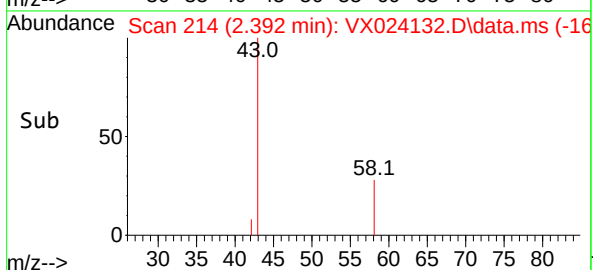
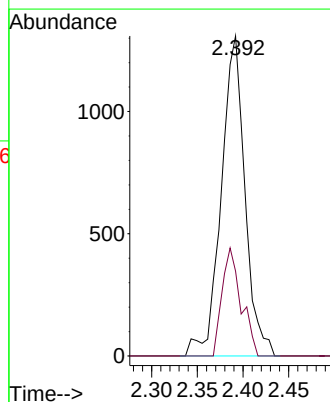
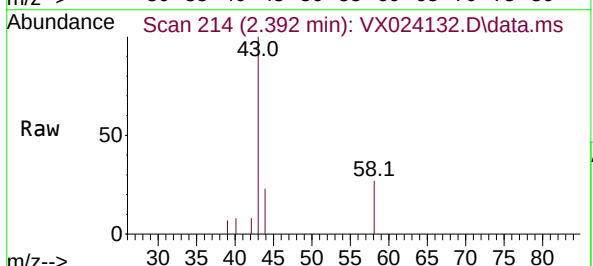
Acq: 08 Sep 2021 13:02

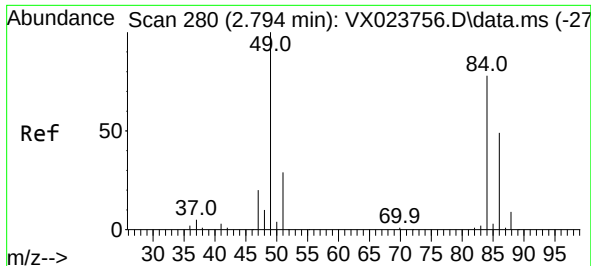
Tgt Ion: 43 Resp: 2367

Ion Ratio Lower Upper

43 100

58 26.5 27.8 41.8#

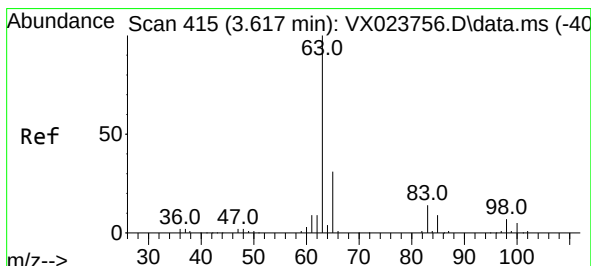
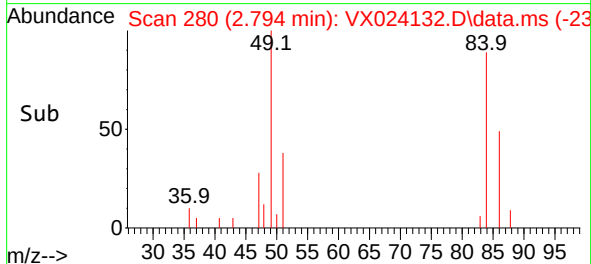
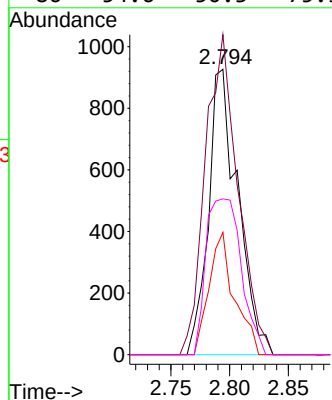
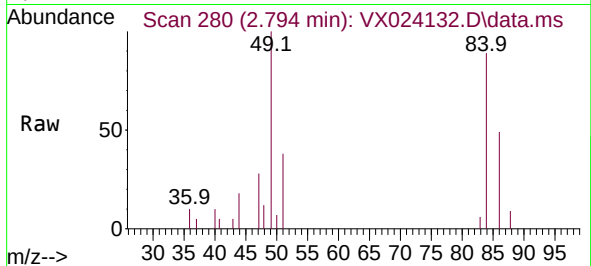




#20
Methylene Chloride
Concen: 0.954 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

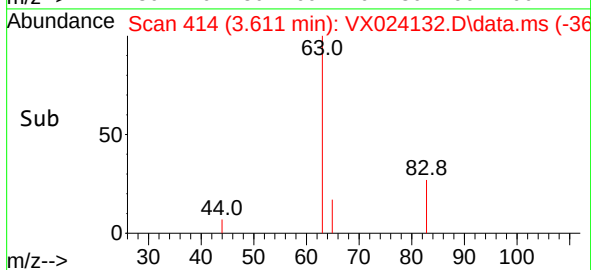
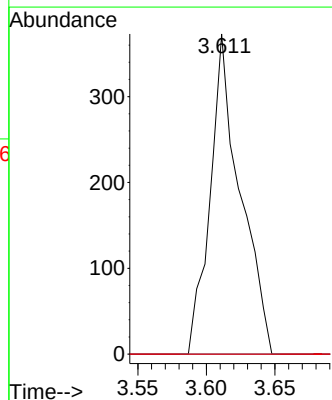
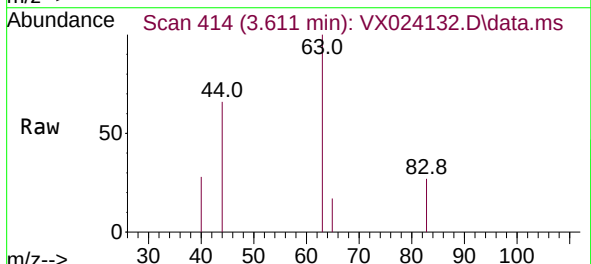
Instrument :
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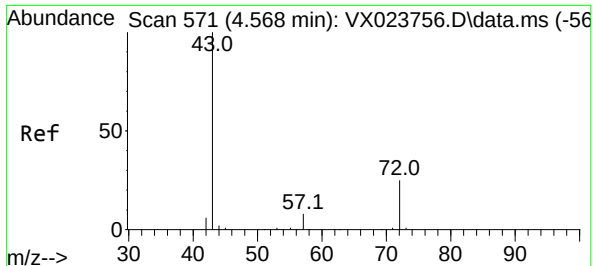
Tgt Ion:	84	Resp:	1611
Ion	Ratio	Lower	Upper
84	100		
49	112.1	88.6	132.8
51	42.8	27.0	40.6#
86	54.6	50.3	75.5



#24
1,1-Dichloroethane
Concen: 0.205 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.006 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

Tgt Ion:	63	Resp:	570
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.5	7.5#

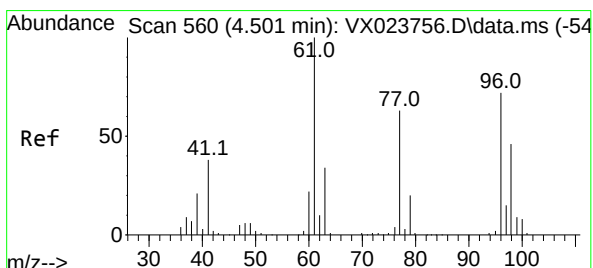
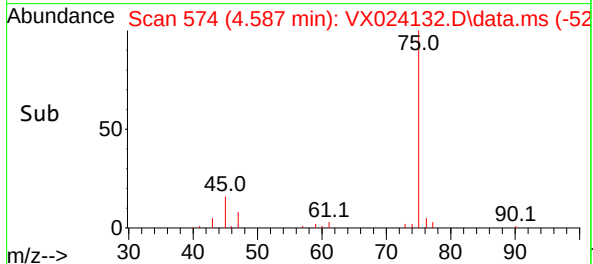
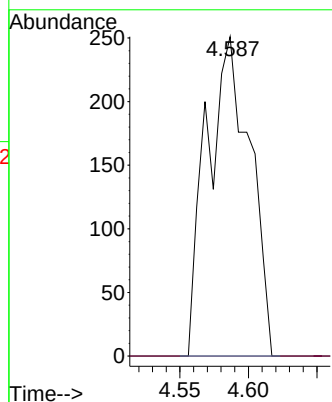
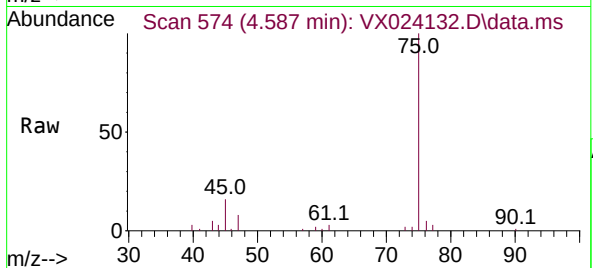




#25
2-Butanone
Concen: 0.412 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

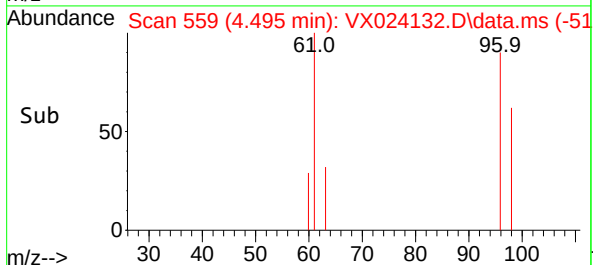
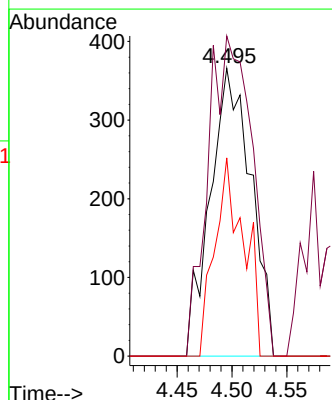
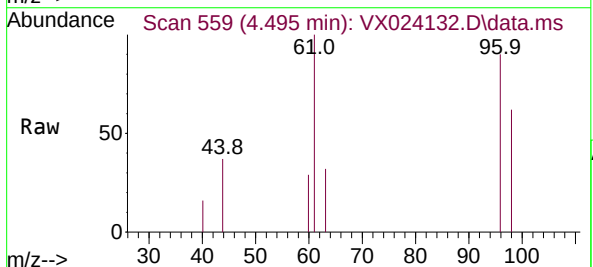
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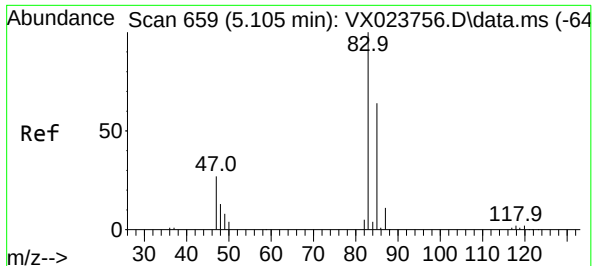
Tgt Ion: 43 Resp: 552
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 0.548 ug/l
RT: 4.495 min Scan# 559
Delta R.T. -0.006 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

Tgt Ion: 96 Resp: 947
Ion Ratio Lower Upper
96 100
61 120.7 0.0 285.6
98 48.9 0.0 129.6





#30

Chloroform

Concen: 0.217 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.006 min

Lab File: VX024132.D

Acq: 08 Sep 2021 13:02

Tgt Ion: 83 Resp: 638

Ion Ratio Lower Upper

83 100

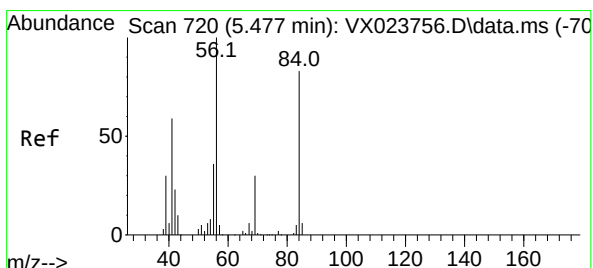
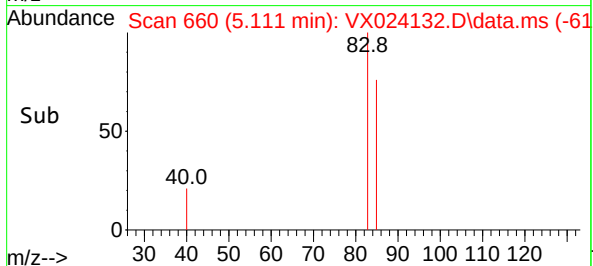
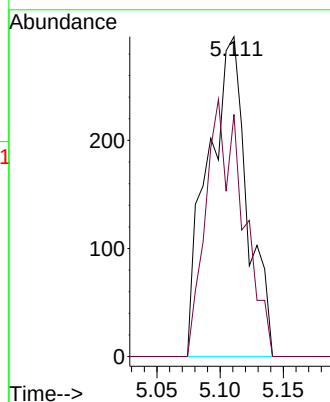
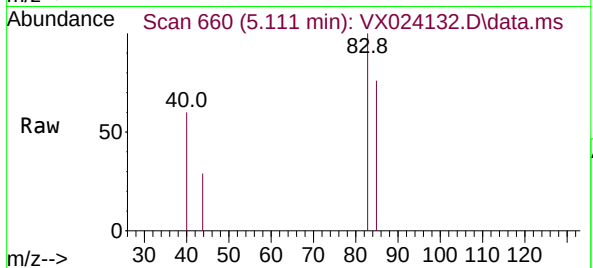
85 75.7 52.0 78.0

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-VPB-RW7-GW-720-722DL



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX024132.D

Acq: 08 Sep 2021 13:02

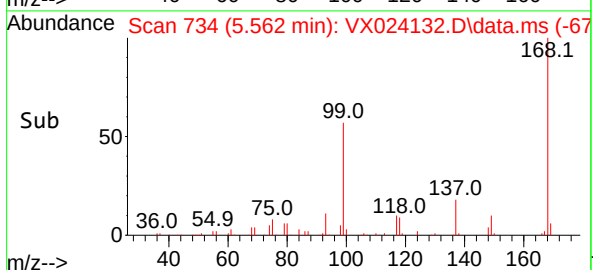
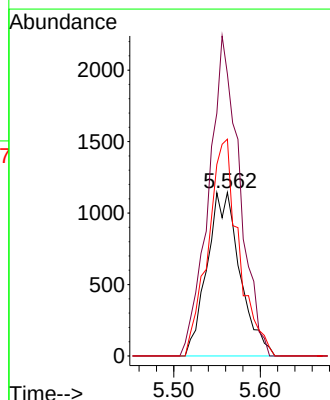
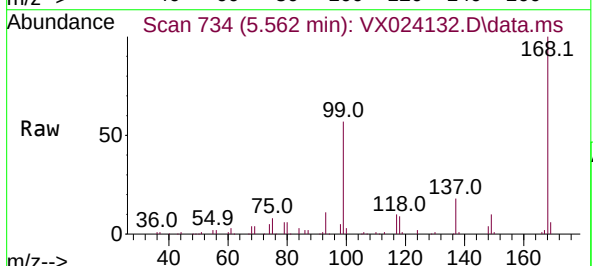
Tgt Ion: 56 Resp: 3023

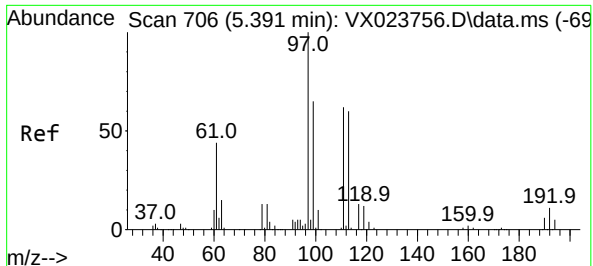
Ion Ratio Lower Upper

56 100

69 172.5 25.3 37.9#

84 132.6 71.4 107.0#

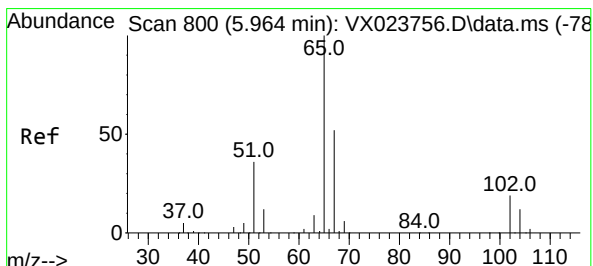
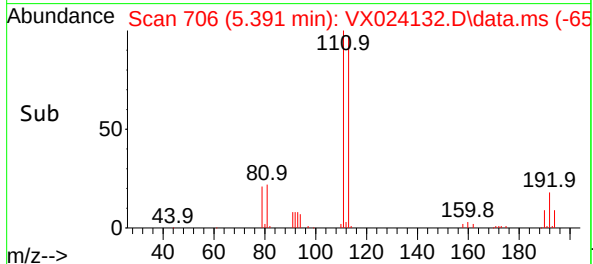
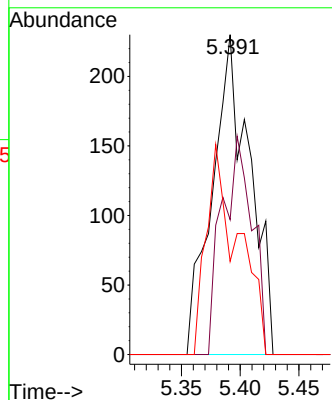
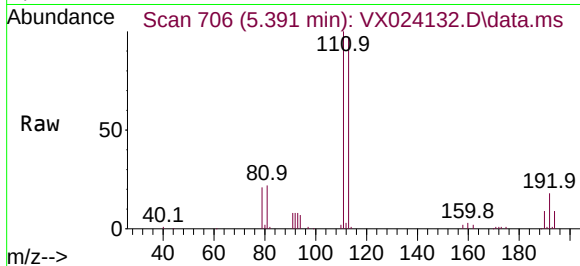




#32
1,1,1-Trichloroethane
Concen: 0.203 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

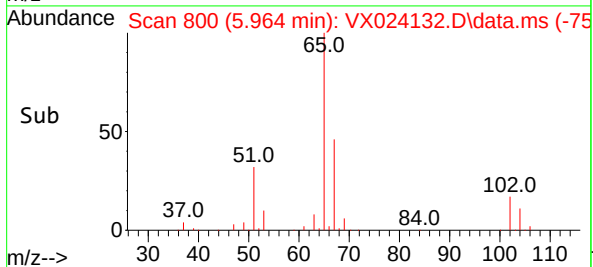
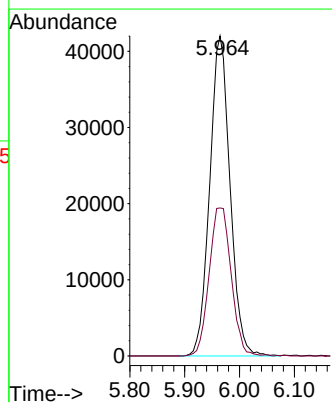
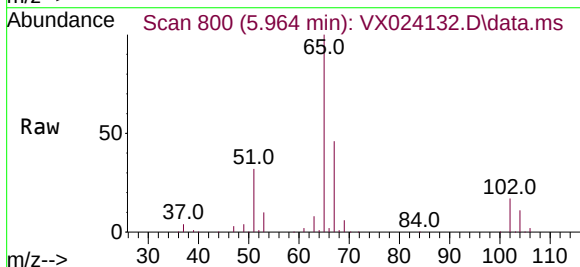
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-720-722DL

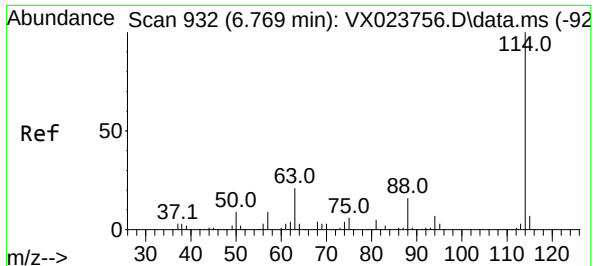
Tgt Ion: 97 Resp: 511
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 55.6 34.2 51.4#



#33
1,2-Dichloroethane-d4
Concen: 54.691 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

Tgt Ion: 65 Resp: 108133
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4

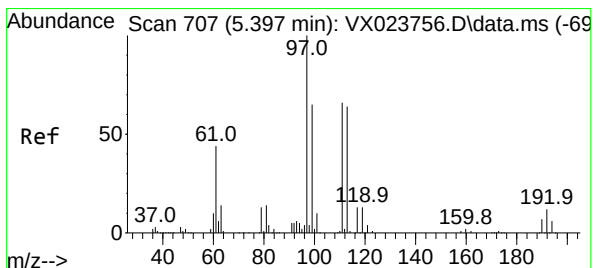
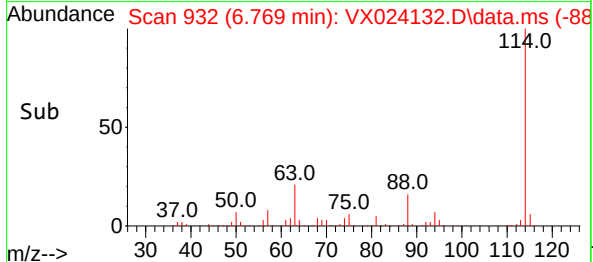
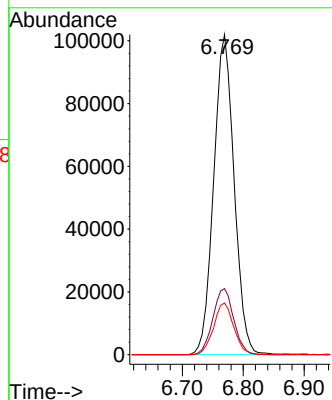
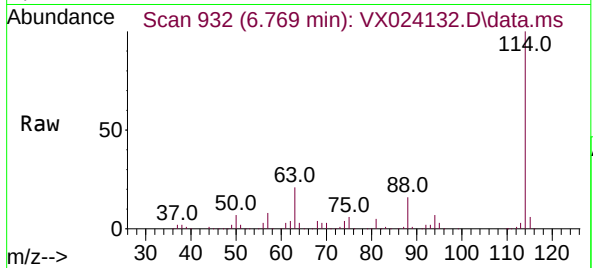




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

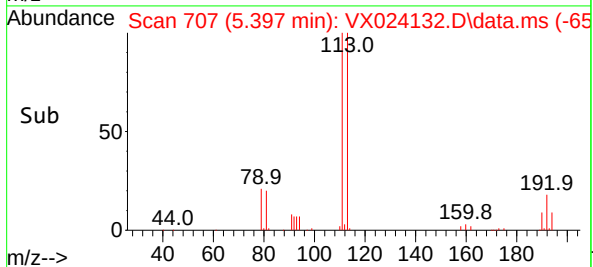
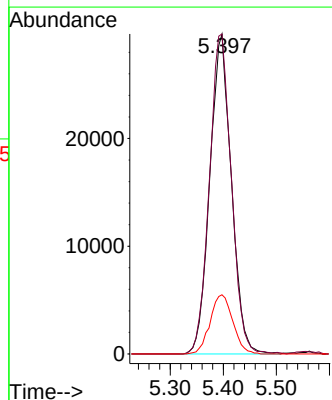
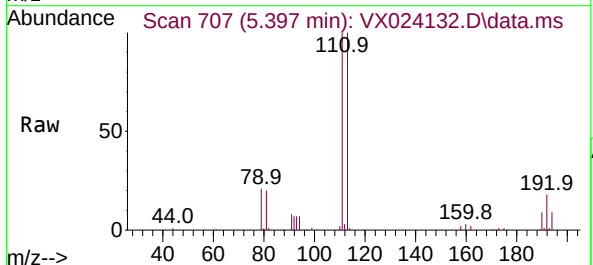
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-720-722DL

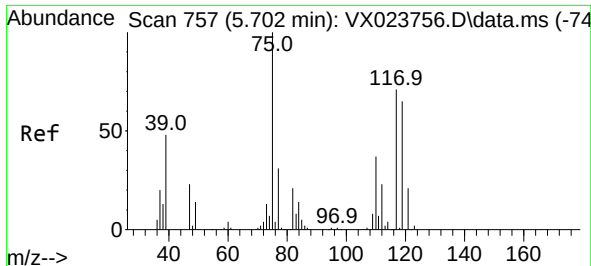
Tgt Ion:	114	Resp:	236967
Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	16.1	0.0	32.8



#35
Dibromofluoromethane
Concen: 53.308 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

Tgt Ion:	113	Resp:	83609
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.9	122.9
192	19.6	16.7	25.1





#36

1,1-Dichloropropene

Concen: 4.925 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX024132.D

Acq: 08 Sep 2021 13:02

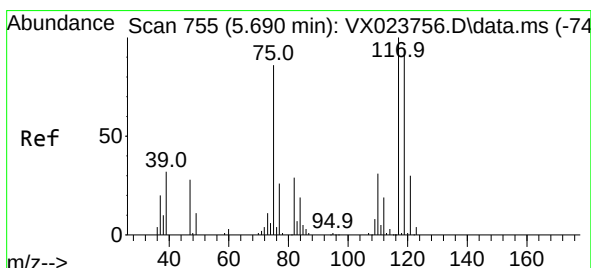
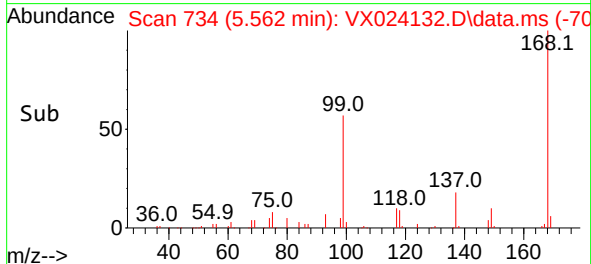
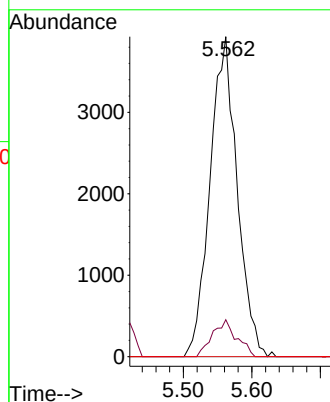
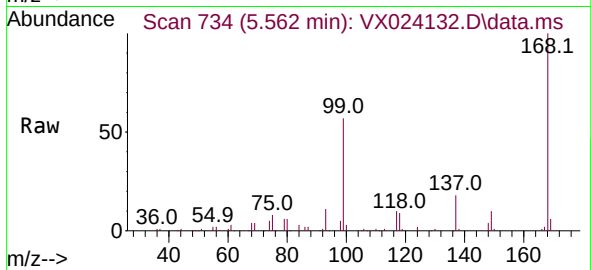
Instrument :

MSVOA_X

ClientSampleId :

BP-TT-VPB-RW7-GW-720-722DL

Tgt Ion:	75	Resp:	10808
Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.1	54.4#
77	0.0	25.3	37.9#



#38

Carbon Tetrachloride

Concen: 0.478 ug/l

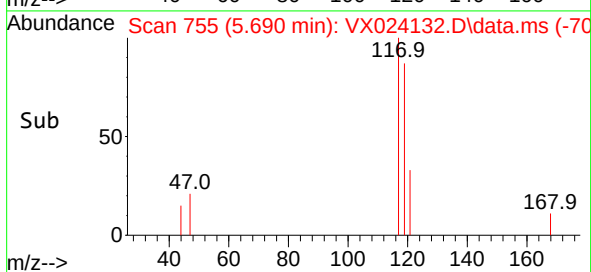
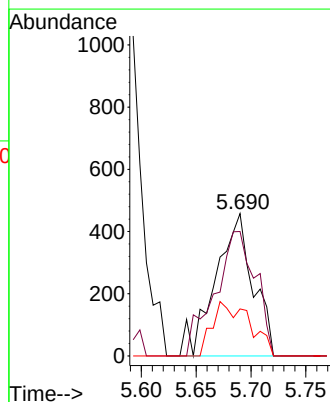
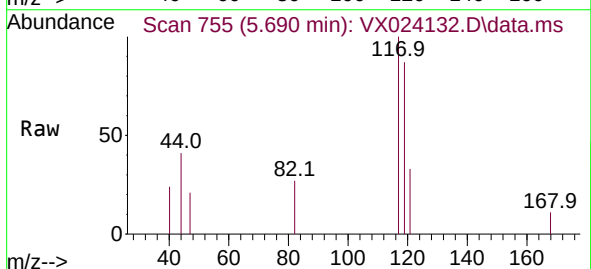
RT: 5.690 min Scan# 755

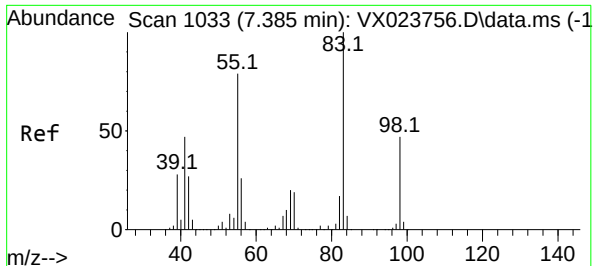
Delta R.T. 0.000 min

Lab File: VX024132.D

Acq: 08 Sep 2021 13:02

Tgt Ion:	117	Resp:	1094
Ion	Ratio	Lower	Upper
117	100		
119	87.3	76.2	114.2
121	33.0	24.8	37.2





#39

Methylcyclohexane

Concen: 0.408 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX024132.D

Acq: 08 Sep 2021 13:02

Tgt Ion: 83 Resp: 1090

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

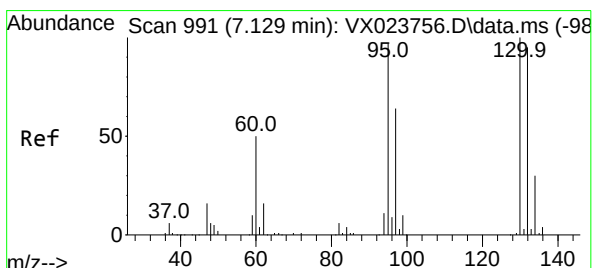
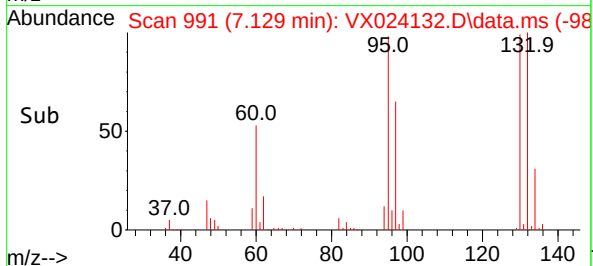
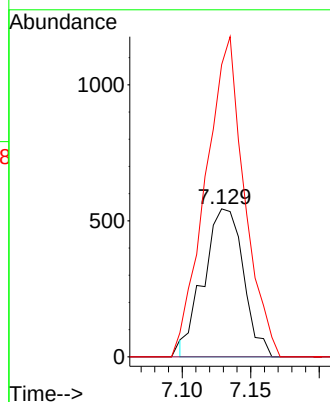
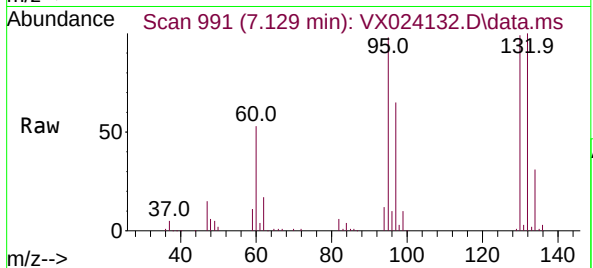
98 197.4 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-VPB-RW7-GW-720-722DL



#44

Trichloroethene

Concen: 48.068 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX024132.D

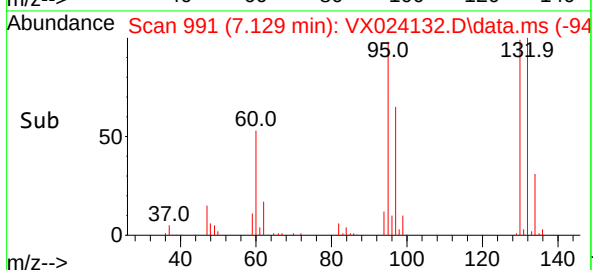
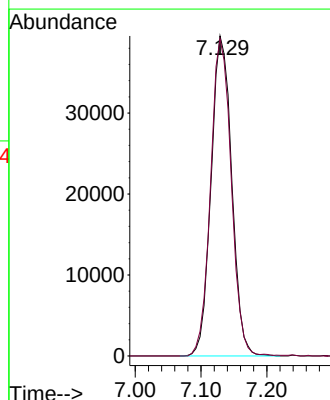
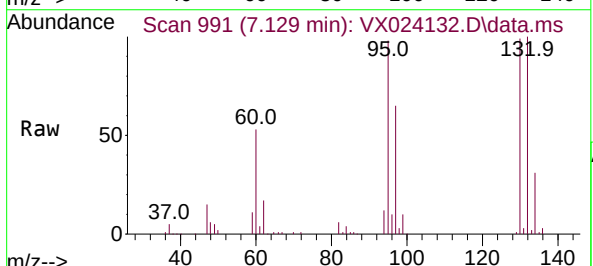
Acq: 08 Sep 2021 13:02

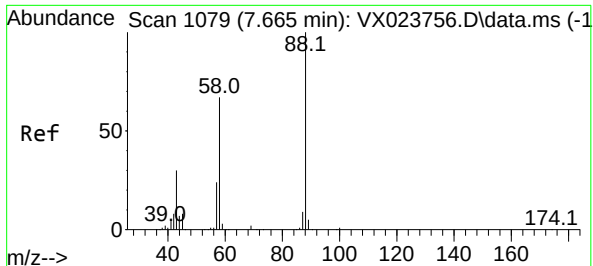
Tgt Ion:130 Resp: 86164

Ion Ratio Lower Upper

130 100

95 99.1 0.0 198.0

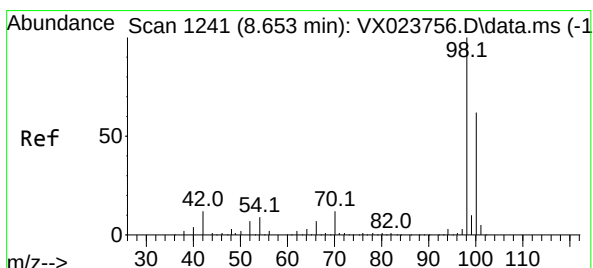
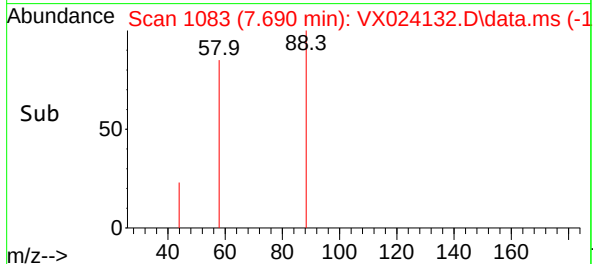
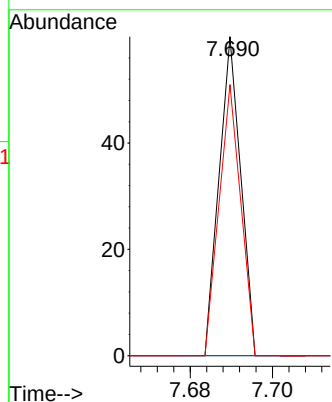
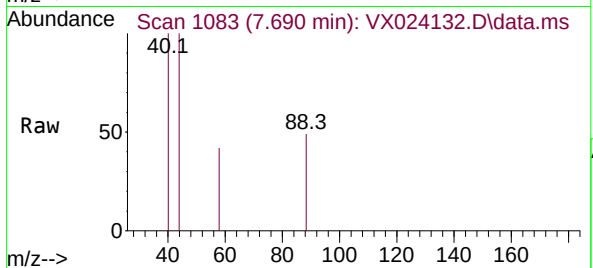




#49
1,4-Dioxane
Concen: 0.506 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.025 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

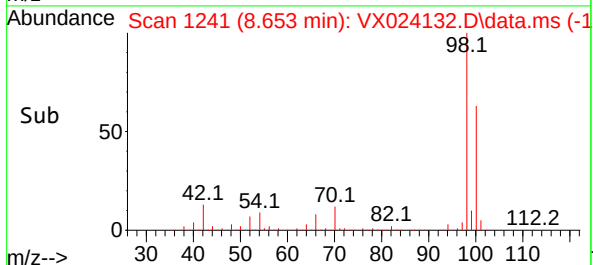
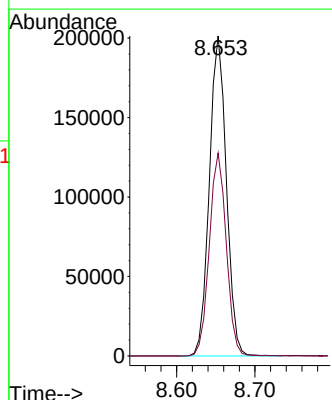
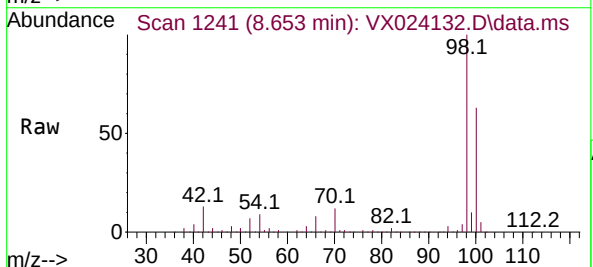
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-720-722DL

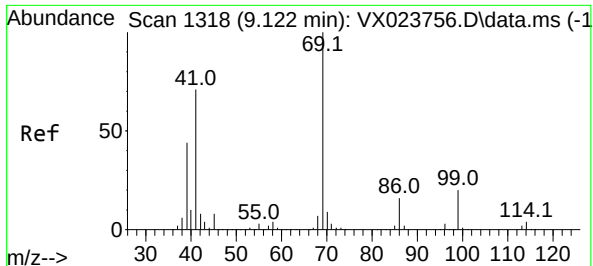
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 86.4 55.0 82.4#



#50
Toluene-d8
Concen: 50.815 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

Tgt Ion: 98 Resp: 303342
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9

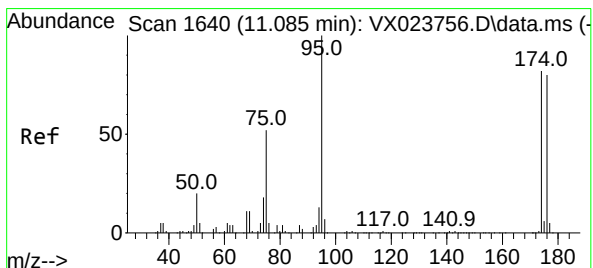
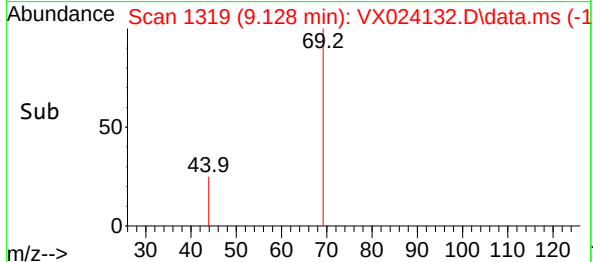
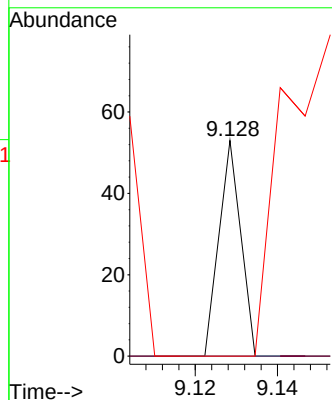
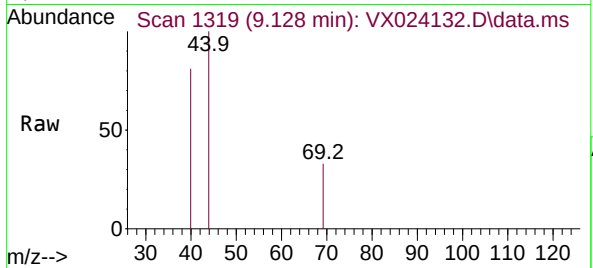




#56
Ethyl methacrylate
Concen: 0.766 ug/l
RT: 9.128 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

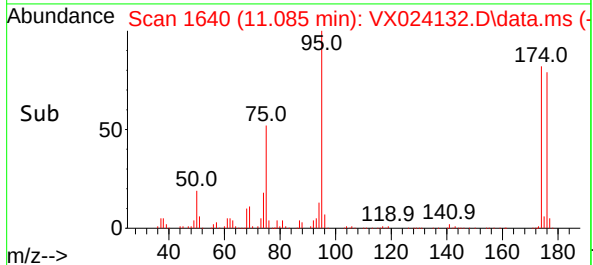
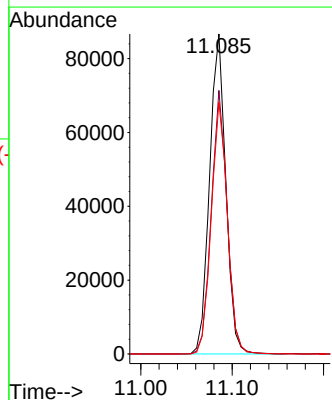
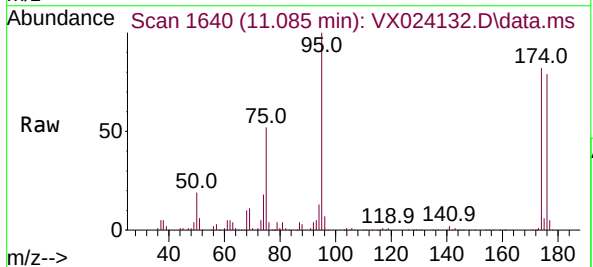
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-720-722DL

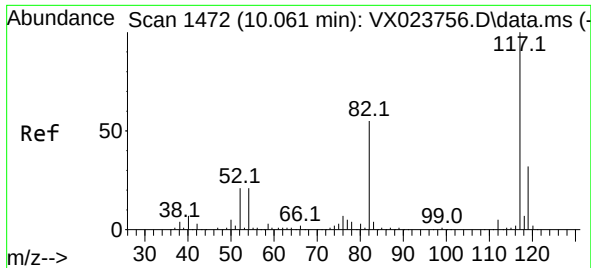
Tgt Ion: 69 Resp: 19
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#



#62
4-Bromofluorobenzene
Concen: 48.549 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

Tgt Ion: 95 Resp: 106689
Ion Ratio Lower Upper
95 100
174 80.3 0.0 154.6
176 78.1 0.0 155.8

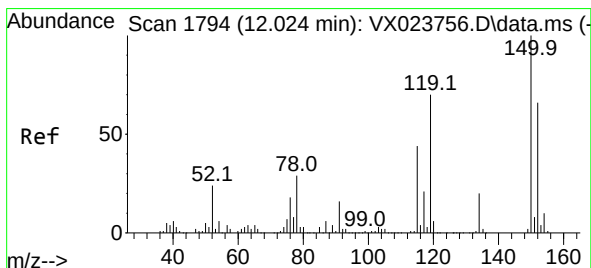
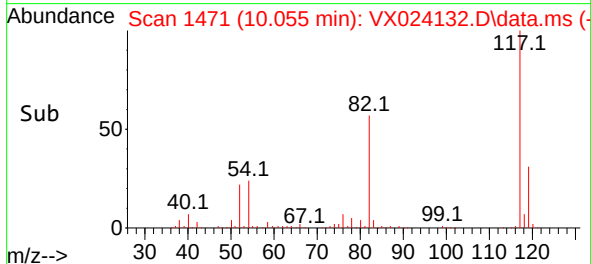
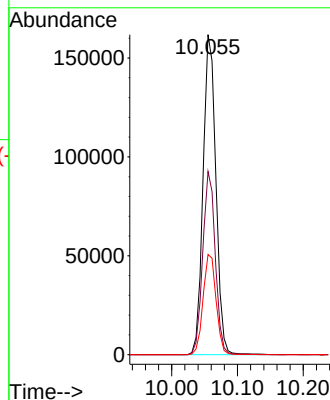
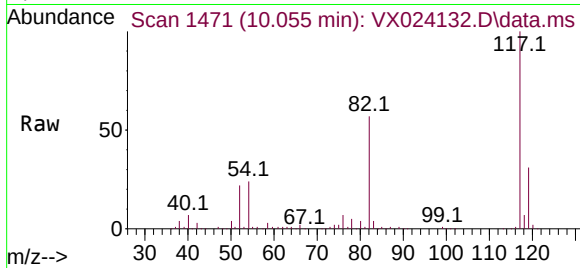




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

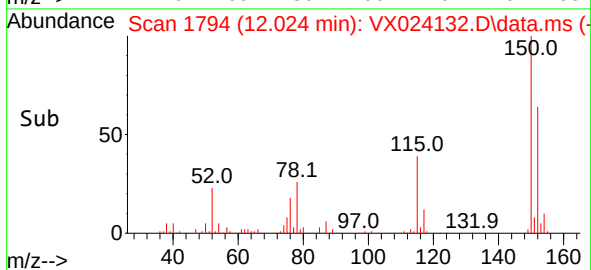
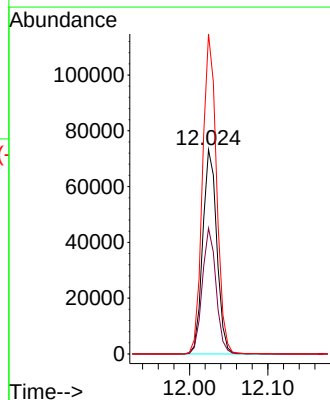
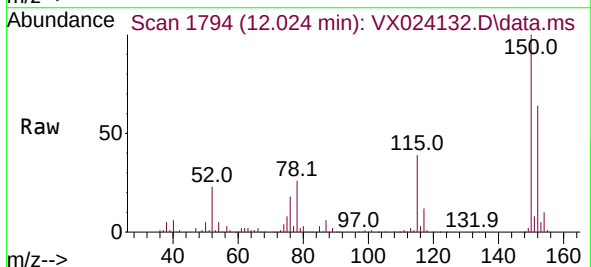
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-720-722DL

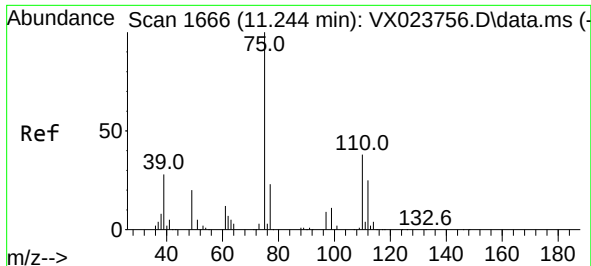
Tgt Ion:117 Resp: 219103
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

Tgt Ion:152 Resp: 91186
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 156.4 0.0 349.0

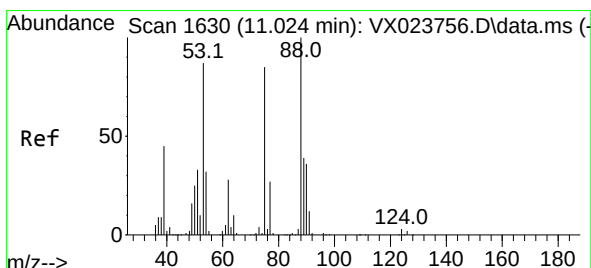
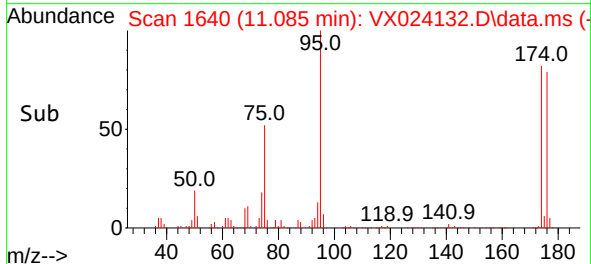
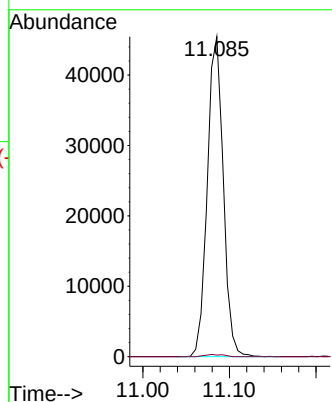
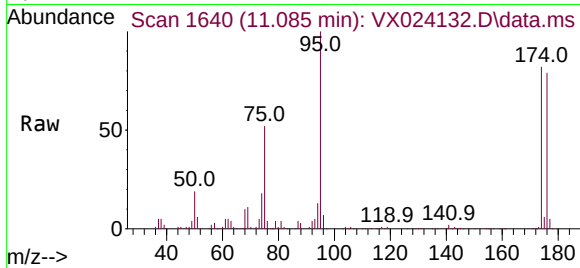




#76
1,2,3-Trichloropropane
Concen: 27.338 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

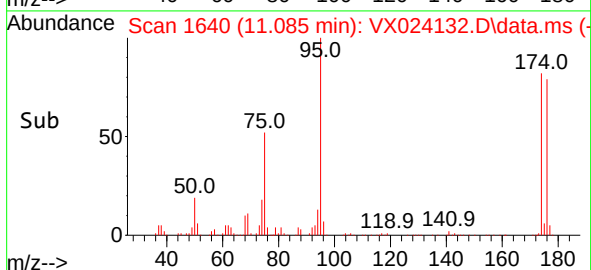
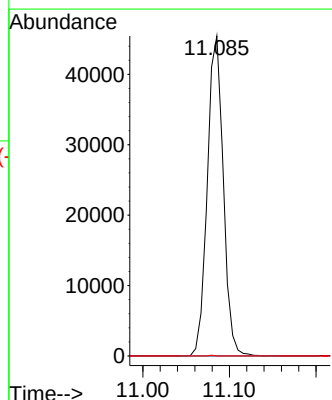
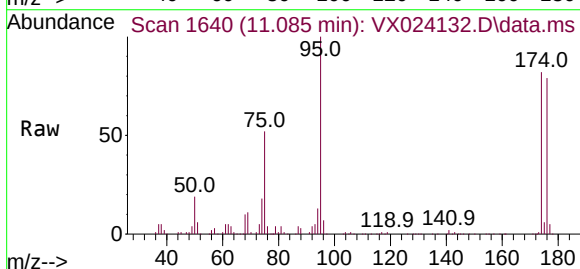
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-720-722DL

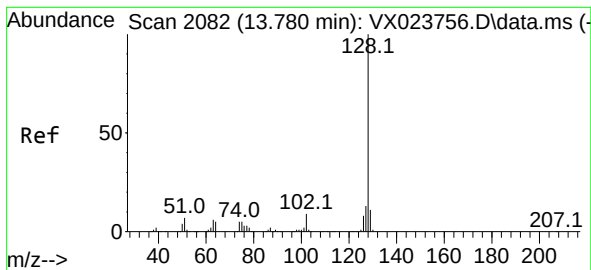
Tgt Ion: 75 Resp: 58151
Ion Ratio Lower Upper
75 100
77 0.8 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.415 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

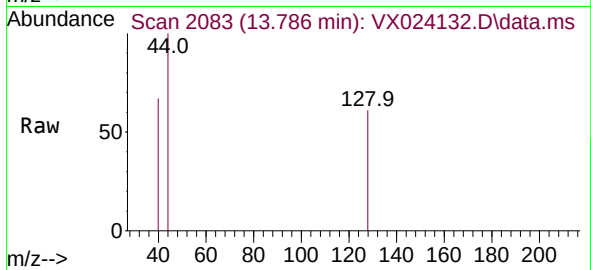
Tgt Ion: 75 Resp: 58151
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#





#95
Naphthalene
Concen: 1.310 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX024132.D
Acq: 08 Sep 2021 13:02

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-GW-720-722DL



Tgt Ion:128 Resp: 191
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

