

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111021\
 Data File : VW023366.D
 Acq On : 11 Nov 2021 05:18
 Operator : SY/MD
 Sample : M4542-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGGF3

Quant Time: Nov 11 06:15:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 11 03:34:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	135832	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	133495	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	74084	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	37558	4.414	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.200%
7) Chloroethane-d5	1.568	69	29820	4.300	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.000%
11) 1,1-Dichloroethene-d2	2.111	63	52749	3.311	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.200%
20) 2-Butanone-d5	3.886	46	69438	47.365	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.740%
24) Chloroform-d	4.349	84	71286	3.931	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
26) 1,2-Dichloroethane-d4	5.034	65	33978	4.167	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
32) Benzene-d6	5.053	84	142003	4.146	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
36) 1,2-Dichloropropane-d6	6.072	67	43644	4.329	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.600%
41) Toluene-d8	7.317	98	128303	3.997	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.000%
43) trans-1,3-Dichloroprop...	7.625	79	14589	3.816	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.400%
46) 2-Hexanone-d5	8.088	63	55269	39.290	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.580%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	28334	3.908	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	53655	4.350	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	7117	0.632	ug/L	98
5) Vinyl chloride	1.311	62	24210	2.153	ug/L	97
8) Chloroethane	1.584	64	4074	0.628	ug/L	98
12) 1,1-Dichloroethene	2.121	96	4268	0.527	ug/L #	1
13) Acetone	2.175	43	6738	7.522	ug/L	91
19) 1,1-Dichloroethane	3.191	63	119732	7.122	ug/L	100
22) cis-1,2-Dichloroethene	3.915	96	103440	10.794	ug/L #	90
25) Chloroform	4.378	83	17880	0.998	ug/L	97
29) 1,1,1-Trichloroethane	4.609	97	202513	12.490	ug/L	99
34) Trichloroethene	5.915	95	336194	33.882	ug/L	99
35) Methylcyclohexane	6.137	83	3324	0.212	ug/L	98
42) Toluene	7.394	91	26839	0.673	ug/L	100
47) Tetrachloroethene	7.979	164	5738	0.667	ug/L	93
51) Chlorobenzene	8.883	112	227812	8.588	ug/L	100
52) Ethylbenzene	9.024	91	2622	0.062	ug/L	91
53) m,p-xylene	9.149	106	1513	0.092	ug/L	90
54) o-xylene	9.548	106	7255	0.468	ug/L	98
60) Isopropylbenzene	9.934	105	35350	0.832	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	318210	9.070	ug/L	99

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QLast Update : Thu Nov 11 03:34:54 2021
Response via : Initial Calibration

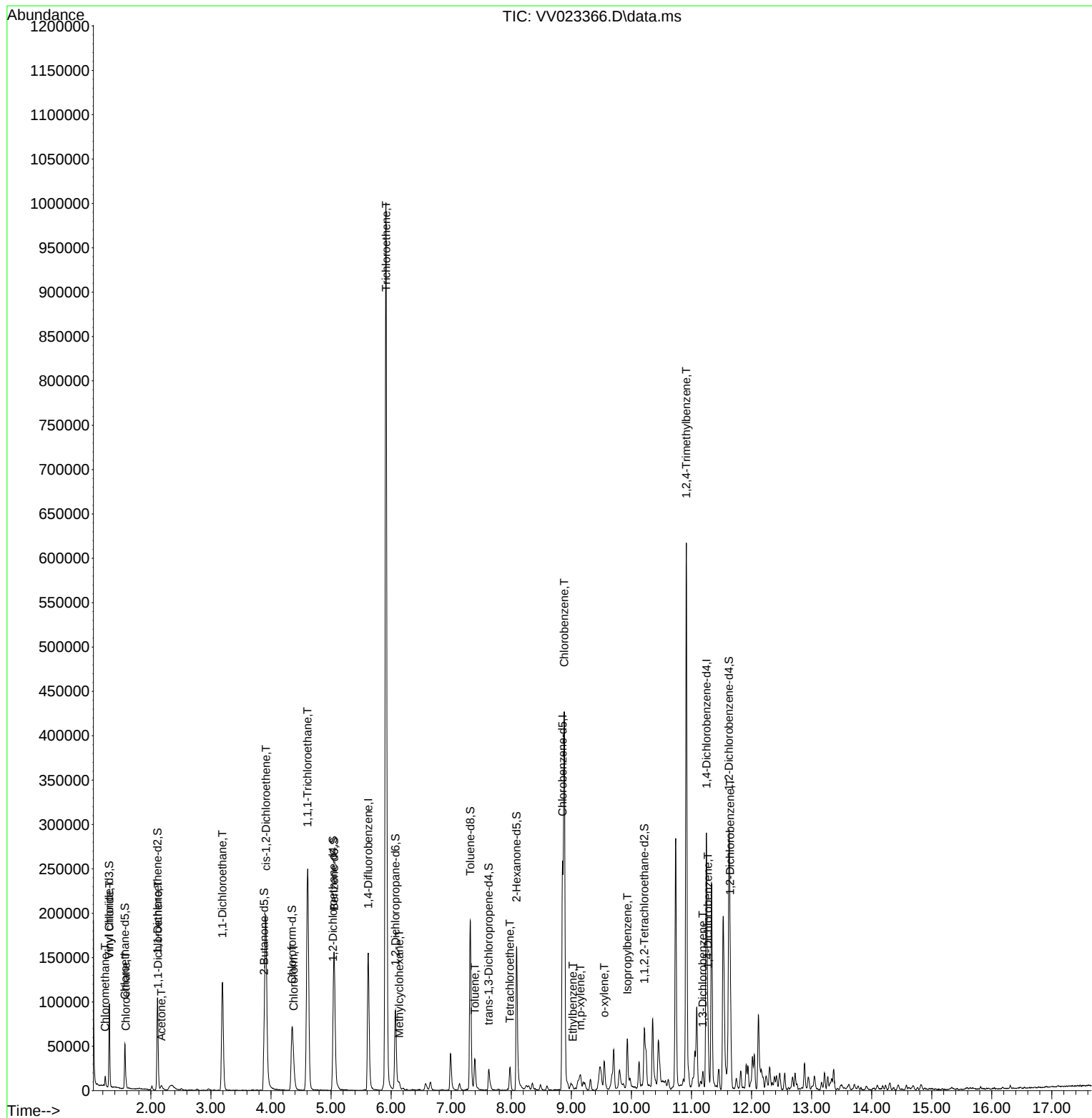
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.188	146	3645	0.168	ug/L	95
65) 1,4-Dichlorobenzene	11.275	146	28644	1.291	ug/L	97
67) 1,2-Dichlorobenzene	11.645	146	36304	1.868	ug/L	100

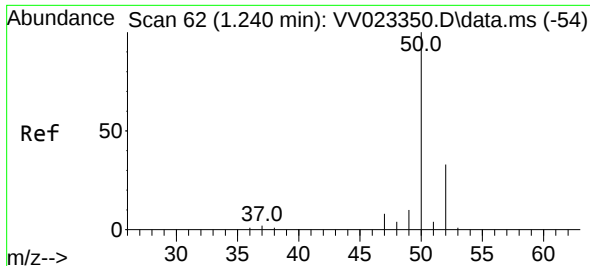
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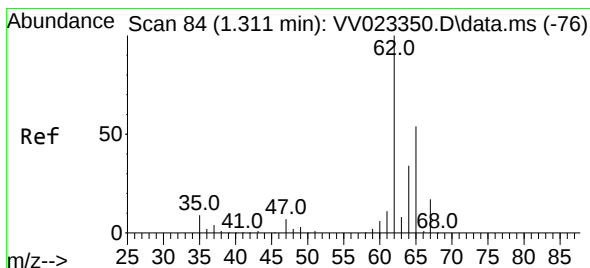
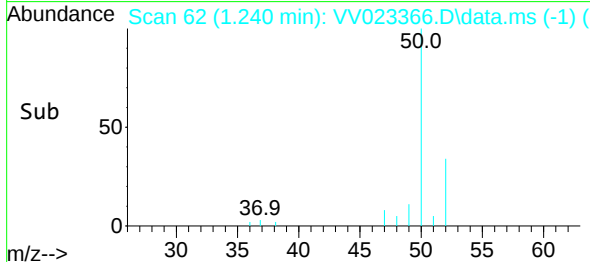
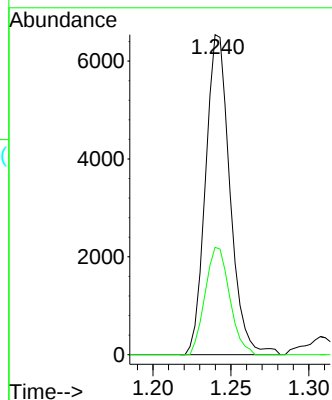
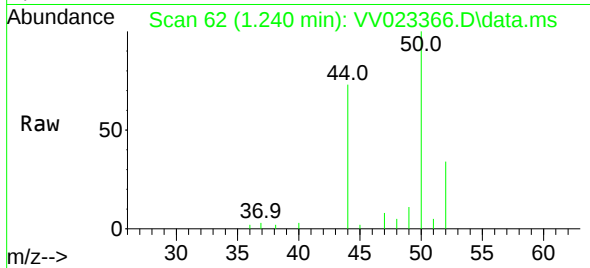




#3
Chloromethane
Concen: 0.632 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV023366.D
Acq: 11 Nov 2021 05:18

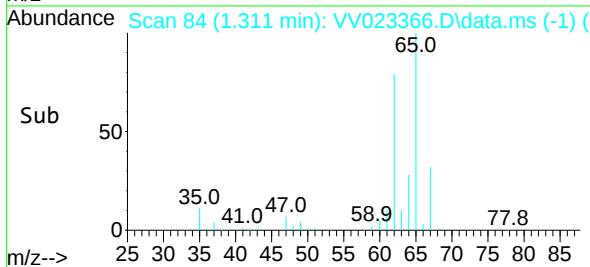
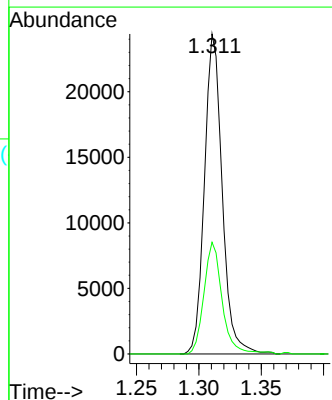
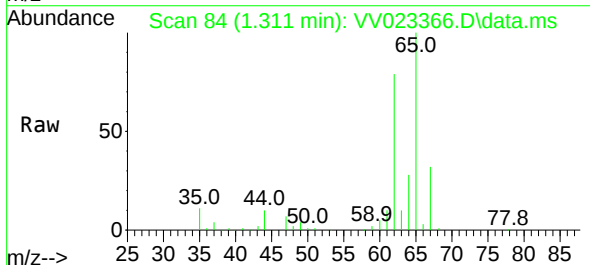
Instrument :
MSVOA_V
ClientSampleId :
BGGF3

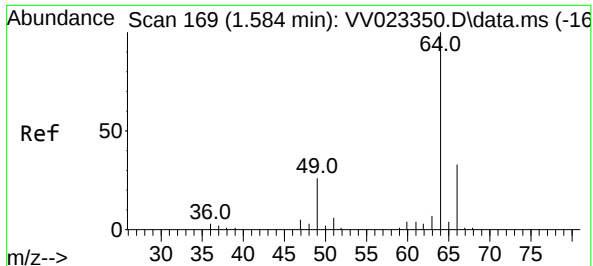
Tgt Ion: 50 Resp: 7117
Ion Ratio Lower Upper
50 100
52 33.5 24.3 45.1



#5
Vinyl chloride
Concen: 2.153 ug/L
RT: 1.311 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV023366.D
Acq: 11 Nov 2021 05:18

Tgt Ion: 62 Resp: 24210
Ion Ratio Lower Upper
62 100
64 34.9 23.1 42.9

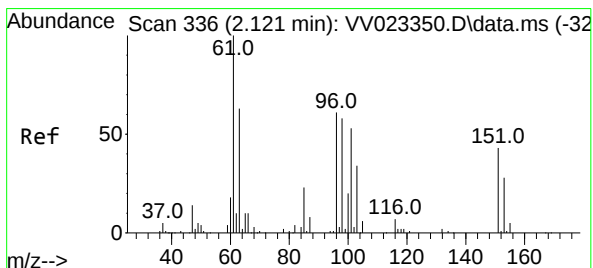
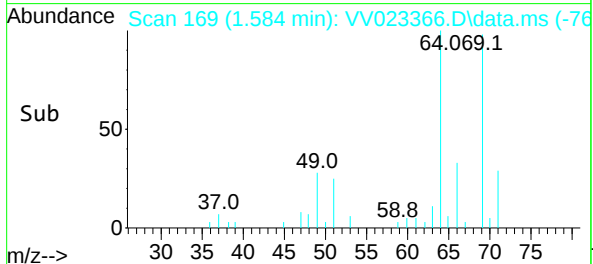
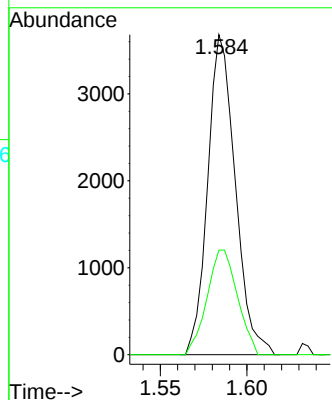
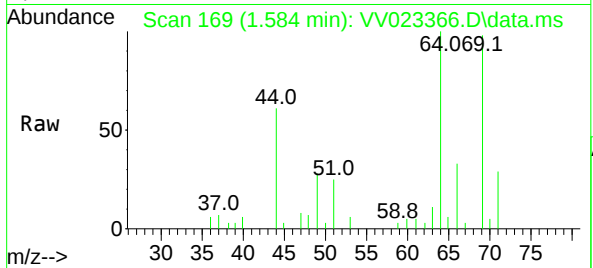




#8
Chloroethane
Concen: 0.628 ug/L
RT: 1.584 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV023366.D
Acq: 11 Nov 2021 05:18

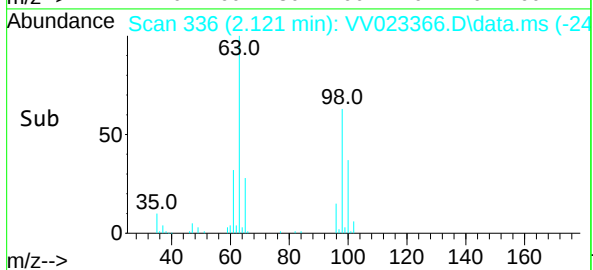
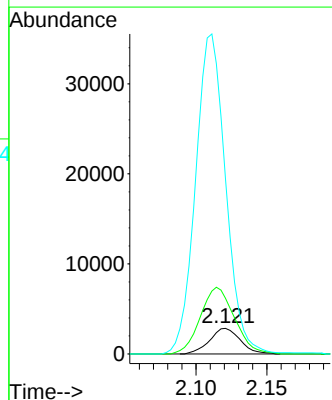
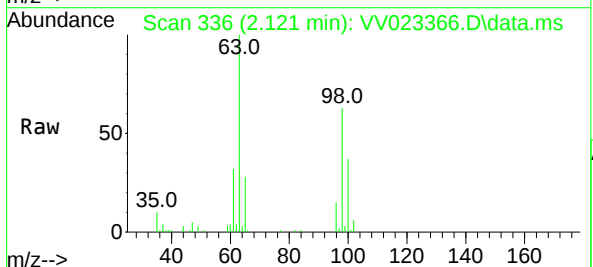
Instrument :
MSVOA_V
ClientSampleId :
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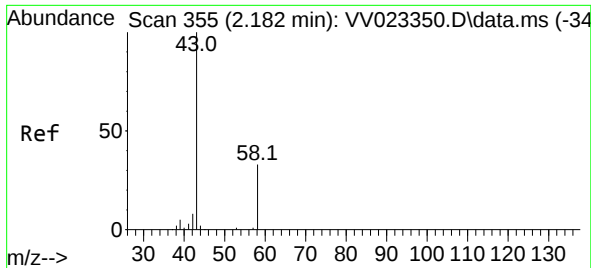
Tgt Ion: 64 Resp: 4074
Ion Ratio Lower Upper
64 100
66 32.7 22.1 41.1



#12
1,1-Dichloroethene
Concen: 0.527 ug/L
RT: 2.121 min Scan# 336
Delta R.T. -0.000 min
Lab File: VV023366.D
Acq: 11 Nov 2021 05:18

Tgt Ion: 96 Resp: 4268
Ion Ratio Lower Upper
96 100
61 216.7 121.5 225.7
63 682.7 99.6 185.0#





#13

Acetone

Concen: 7.522 ug/L

RT: 2.175 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV023366.D

Acq: 11 Nov 2021 05:18

Instrument :

MSVOA_V

ClientSampleId :

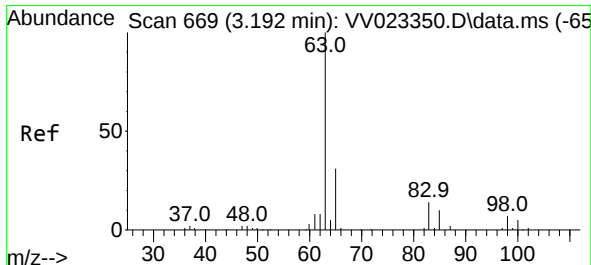
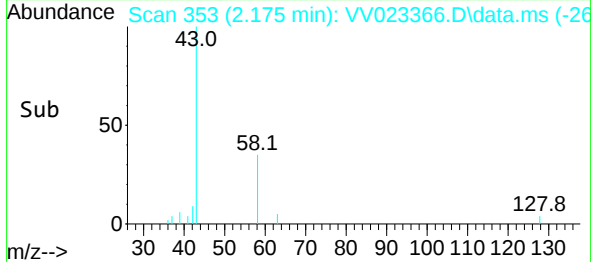
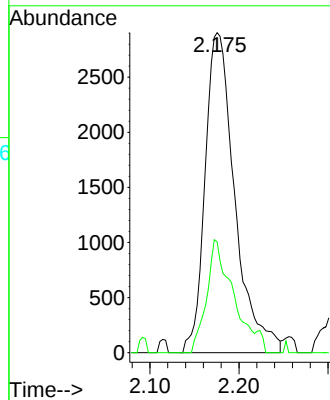
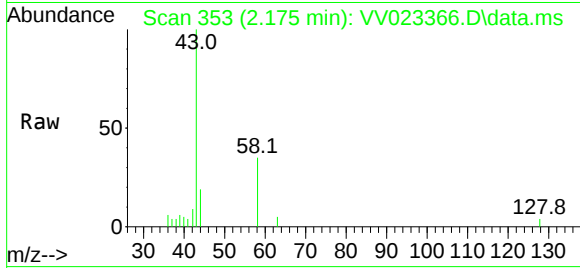
BGGF3

Tgt Ion: 43 Resp: 6738

Ion Ratio Lower Upper

43 100

58 32.2 0.0 55.4



#19

1,1-Dichloroethane

Concen: 7.122 ug/L

RT: 3.191 min Scan# 669

Delta R.T. -0.000 min

Lab File: VV023366.D

Acq: 11 Nov 2021 05:18

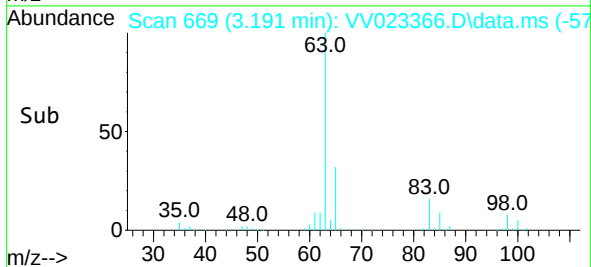
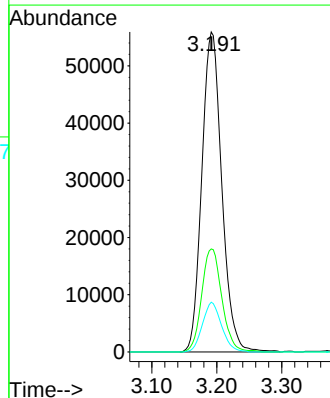
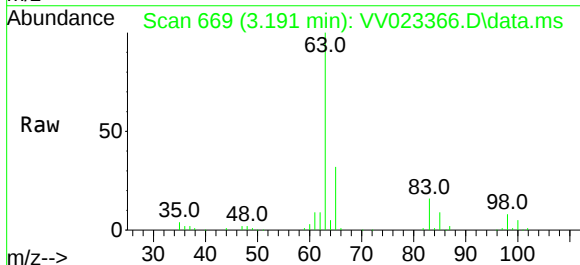
Tgt Ion: 63 Resp: 119732

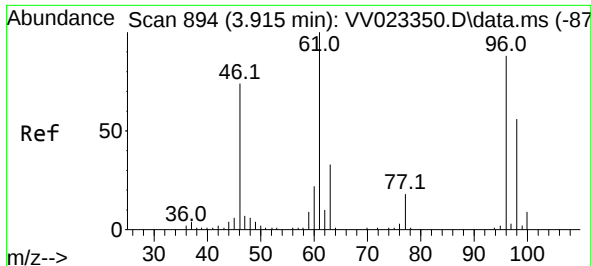
Ion Ratio Lower Upper

63 100

65 32.2 22.6 42.0

83 15.5 11.1 20.7

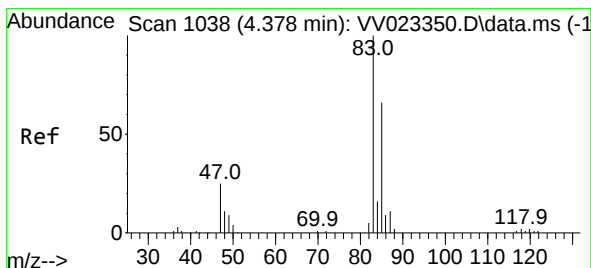
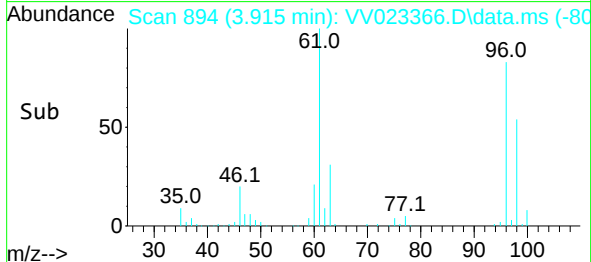
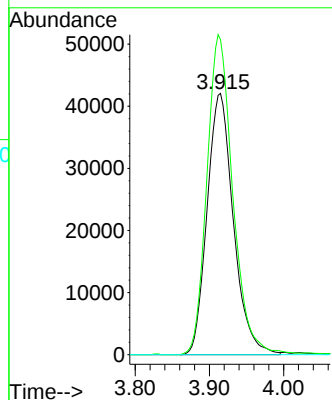
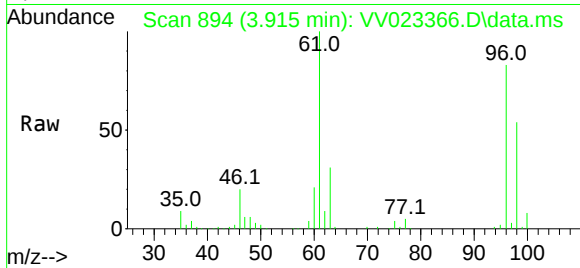




#22
 cis-1,2-Dichloroethene
 Concen: 10.794 ug/L
 RT: 3.915 min Scan# 894
 Delta R.T. -0.000 min
 Lab File: VV023366.D
 Acq: 11 Nov 2021 05:18

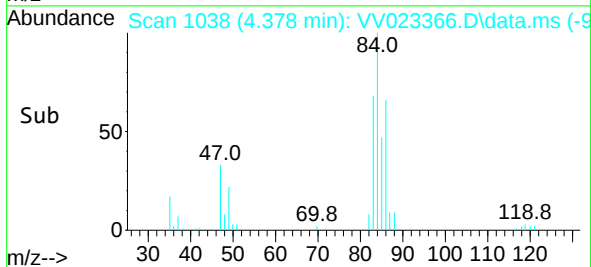
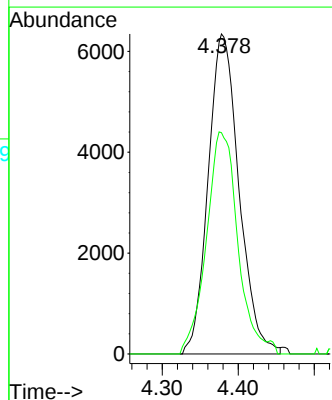
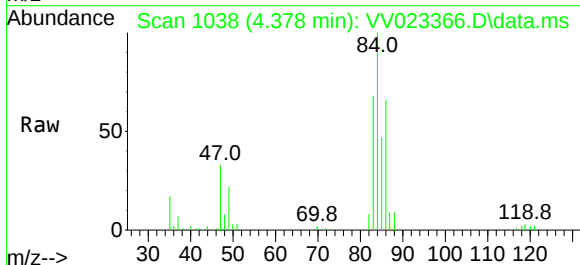
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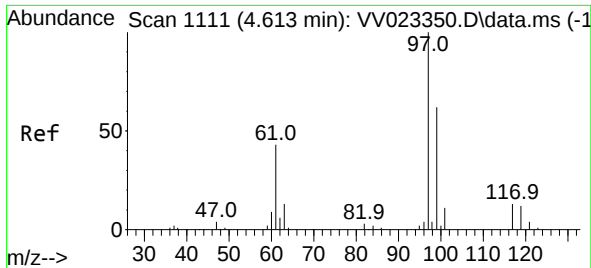
Tgt Ion: 96 Resp: 103440
 Ion Ratio Lower Upper
 96 100
 61 120.6 92.3 171.3
 68 0.0 0.4 0.8#



#25
 Chloroform
 Concen: 0.998 ug/L
 RT: 4.378 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VV023366.D
 Acq: 11 Nov 2021 05:18

Tgt Ion: 83 Resp: 17880
 Ion Ratio Lower Upper
 83 100
 85 69.1 46.8 86.8





#29

1,1,1-Trichloroethane

Concen: 12.490 ug/L

RT: 4.609 min Scan# 1111

Delta R.T. -0.003 min

Lab File: VV023366.D

Acq: 11 Nov 2021 05:18

Instrument :

MSVOA_V

ClientSampleId :

BGGF3

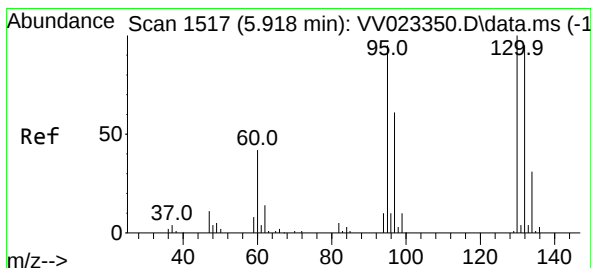
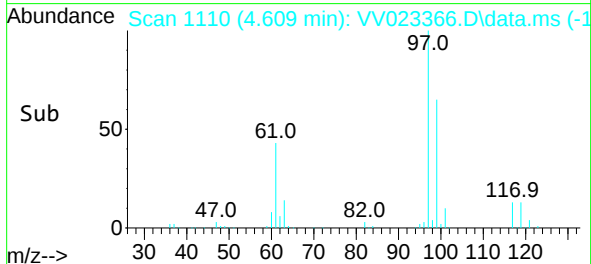
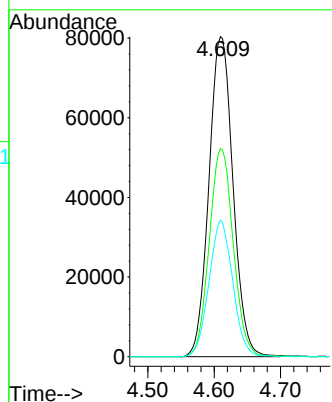
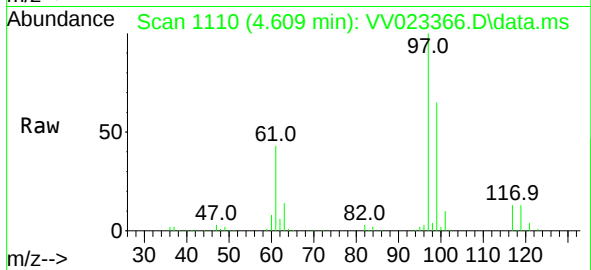
Tgt Ion: 97 Resp: 202513

Ion Ratio Lower Upper

97 100

99 65.0 51.0 76.4

61 42.0 34.1 51.1



#34

Trichloroethene

Concen: 33.882 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. -0.003 min

Lab File: VV023366.D

Acq: 11 Nov 2021 05:18

Tgt Ion: 95 Resp: 336194

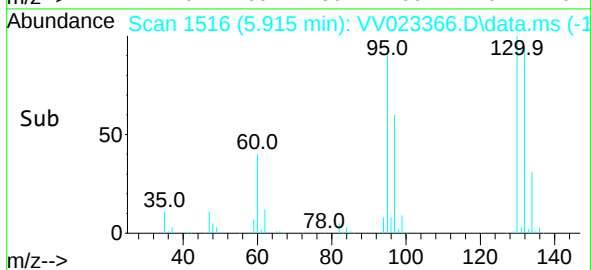
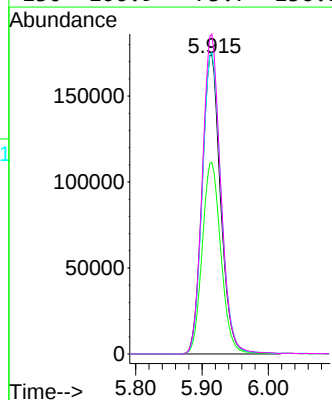
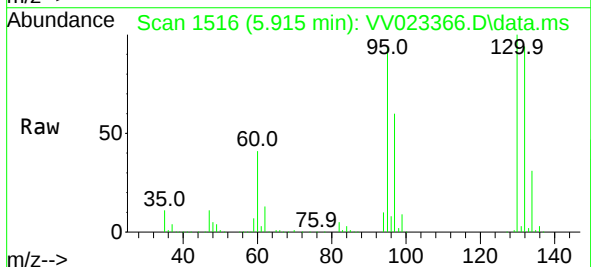
Ion Ratio Lower Upper

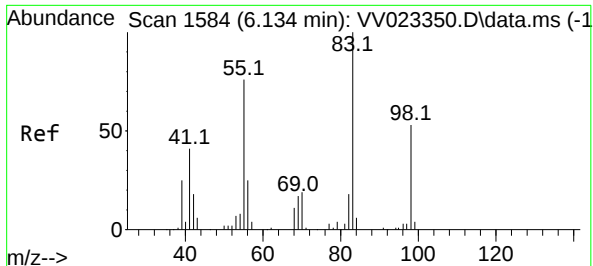
95 100

97 64.1 45.0 83.6

132 100.6 69.7 129.4

130 106.9 73.7 136.9





#35

Methylcyclohexane

Concen: 0.212 ug/L

RT: 6.137 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV023366.D

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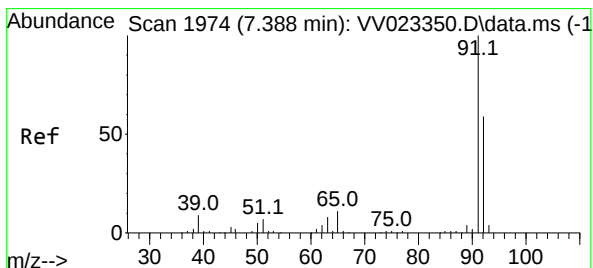
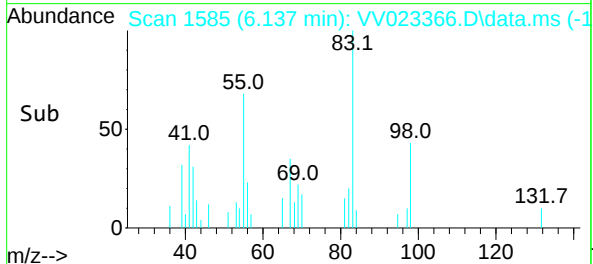
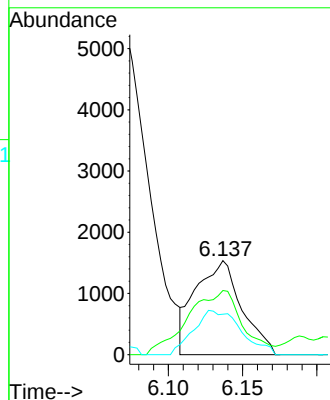
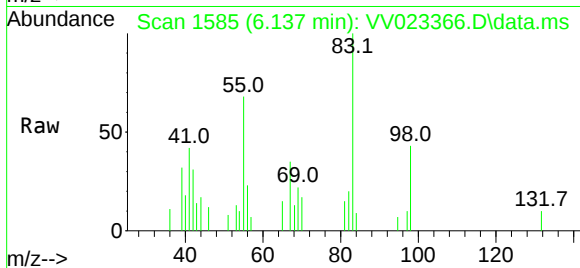
Tgt Ion: 83 Resp: 3324

Ion Ratio Lower Upper

83 100

55 80.8 62.8 94.2

98 48.4 37.9 56.9



#42

Toluene

Concen: 0.673 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VV023366.D

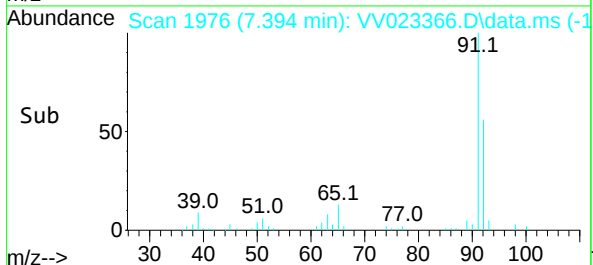
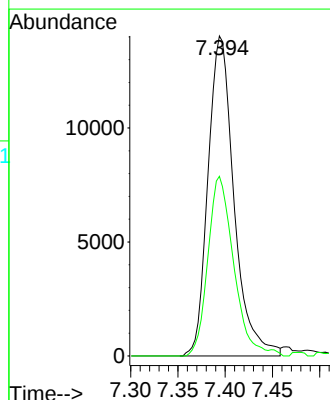
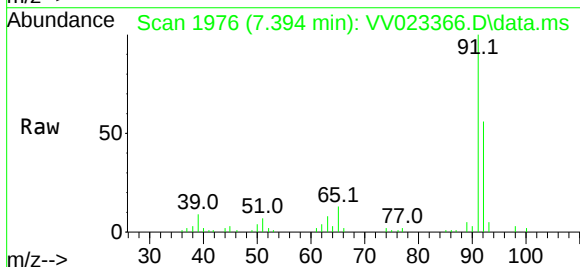
Acq: 11 Nov 2021 05:18

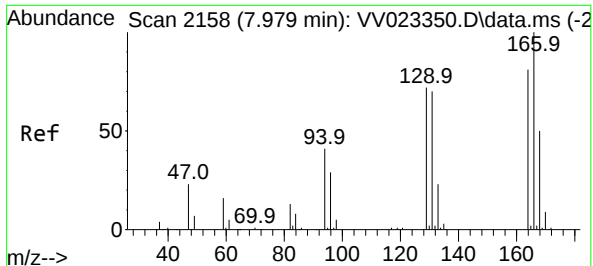
Tgt Ion: 91 Resp: 26839

Ion Ratio Lower Upper

91 100

92 56.2 39.3 72.9





#47

Tetrachloroethene

Concen: 0.667 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.000 min

Lab File: VV023366.D

Acq: 11 Nov 2021 05:18

Instrument :

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Tgt Ion:164 Resp: 5738

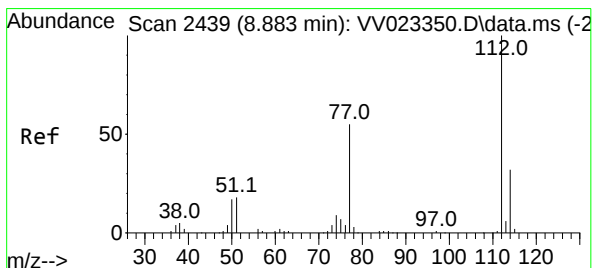
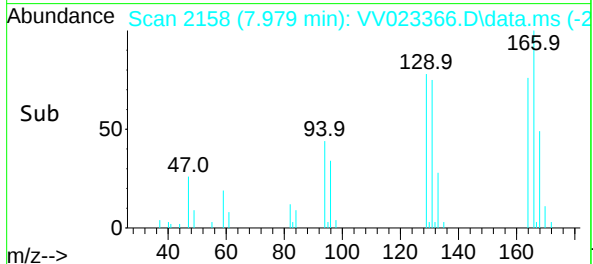
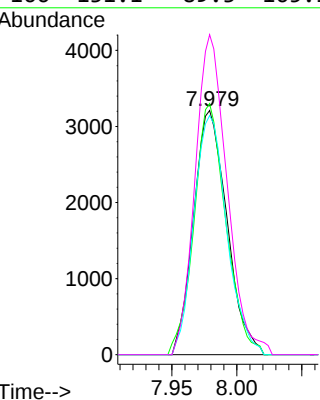
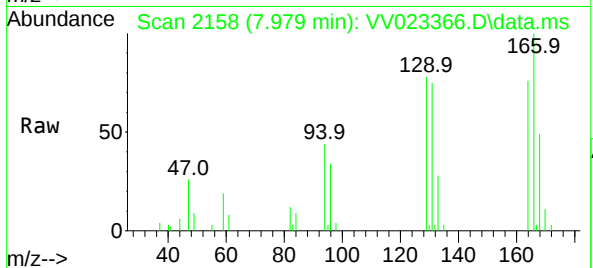
Ion Ratio Lower Upper

164 100

129 102.8 64.0 119.0

131 97.9 63.4 117.8

166 131.1 89.3 165.9



#51

Chlorobenzene

Concen: 8.588 ug/L

RT: 8.883 min Scan# 2439

Delta R.T. -0.000 min

Lab File: VV023366.D

Acq: 11 Nov 2021 05:18

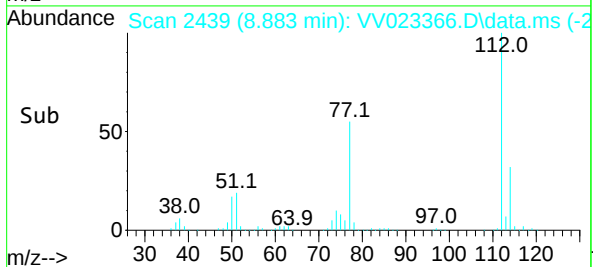
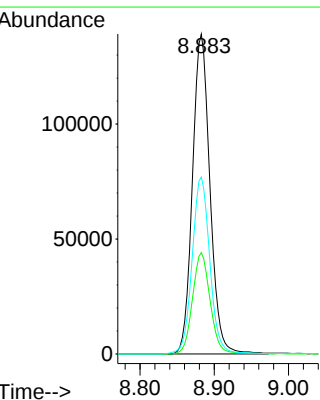
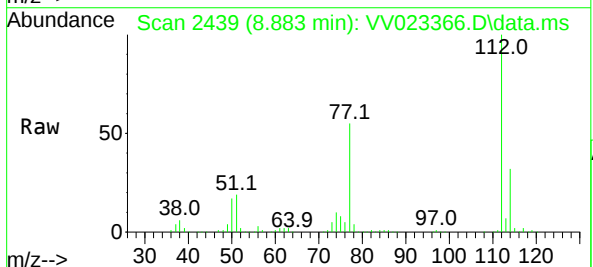
Tgt Ion:112 Resp: 227812

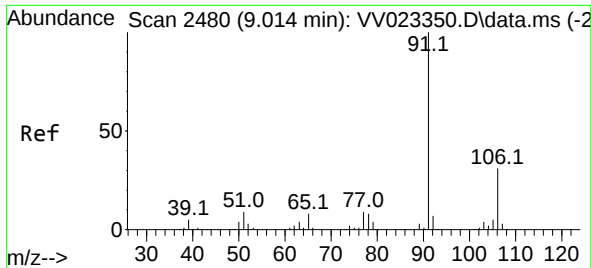
Ion Ratio Lower Upper

112 100

114 31.6 22.0 40.8

77 55.3 44.4 66.6

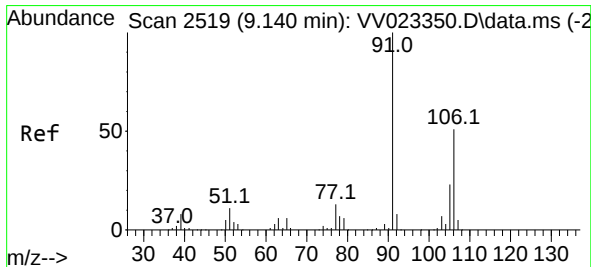
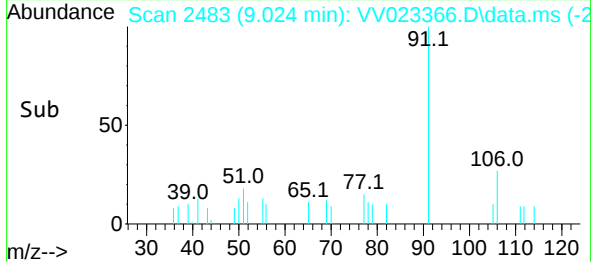
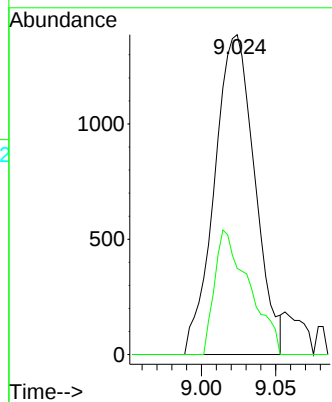
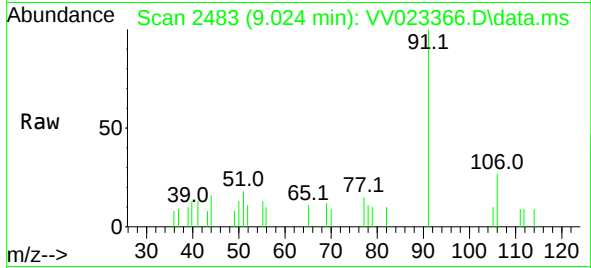




#52
Ethylbenzene
Concen: 0.062 ug/L
RT: 9.024 min Scan# 2480
Delta R.T. 0.010 min
Lab File: VV023366.D
Acq: 11 Nov 2021 05:18

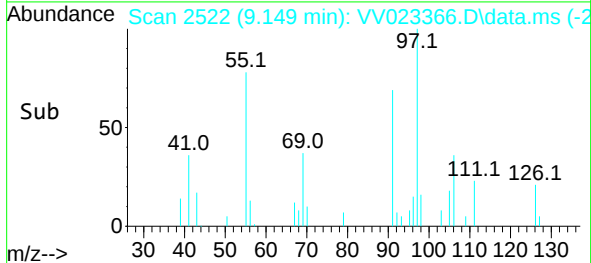
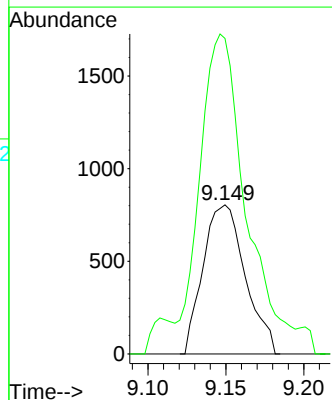
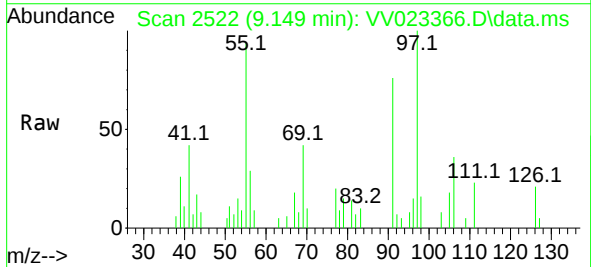
Instrument :
MSVOA_V
ClientSampleId :
BGGF3

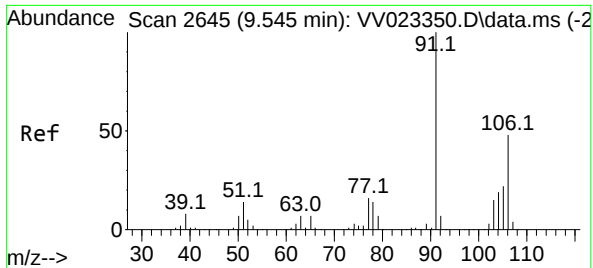
Tgt Ion: 91 Resp: 2622
Ion Ratio Lower Upper
91 100
106 27.0 22.5 41.9



#53
m,p-xylene
Concen: 0.092 ug/L
RT: 9.149 min Scan# 2522
Delta R.T. 0.010 min
Lab File: VV023366.D
Acq: 11 Nov 2021 05:18

Tgt Ion: 106 Resp: 1513
Ion Ratio Lower Upper
106 100
91 211.6 137.2 254.8

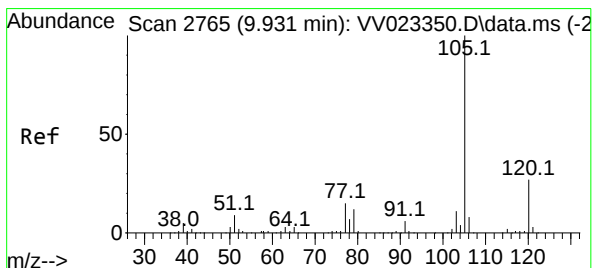
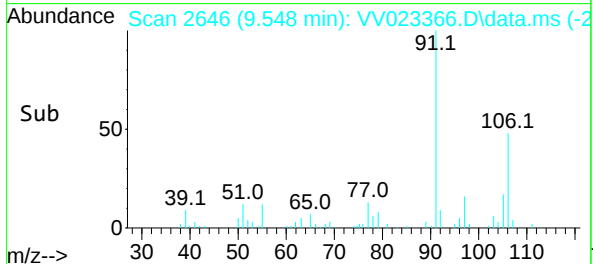
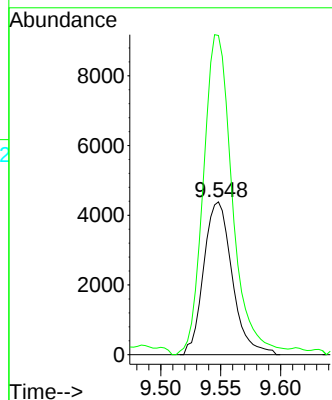
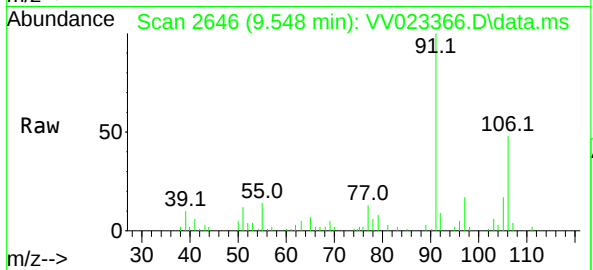




#54
o-xylene
Concen: 0.468 ug/L
RT: 9.548 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023366.D
Acq: 11 Nov 2021 05:18

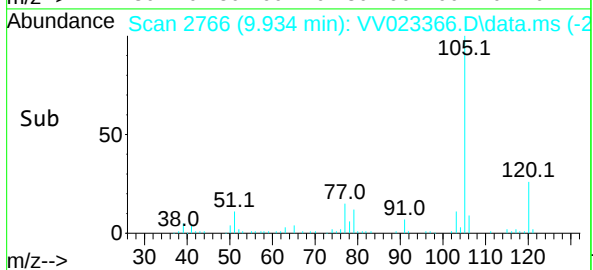
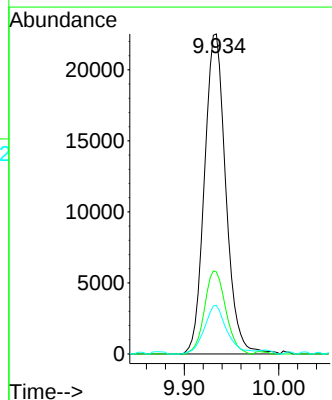
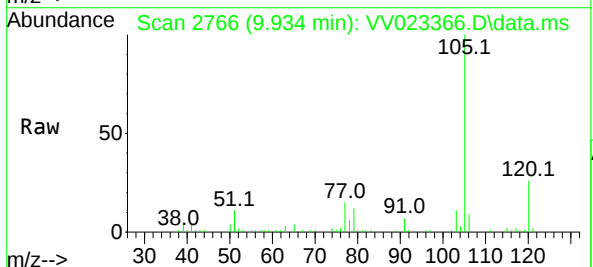
Instrument :
MSVOA_V
ClientSampleId :
BGGF3

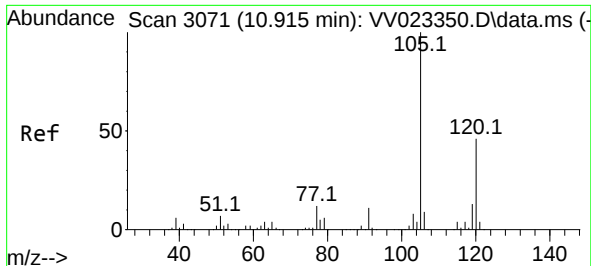
Tgt Ion:106 Resp: 7255
Ion Ratio Lower Upper
106 100
91 208.8 148.3 275.5



#60
Isopropylbenzene
Concen: 0.832 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV023366.D
Acq: 11 Nov 2021 05:18

Tgt Ion:105 Resp: 35350
Ion Ratio Lower Upper
105 100
120 25.8 21.7 32.5
77 16.2 12.6 19.0

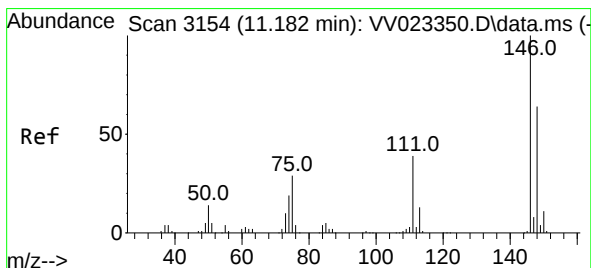
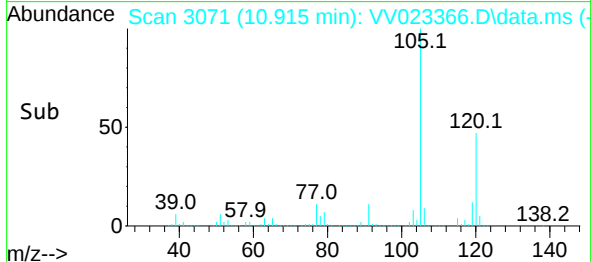
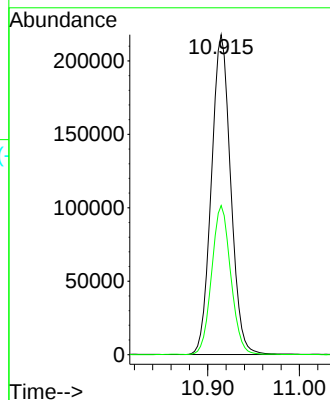
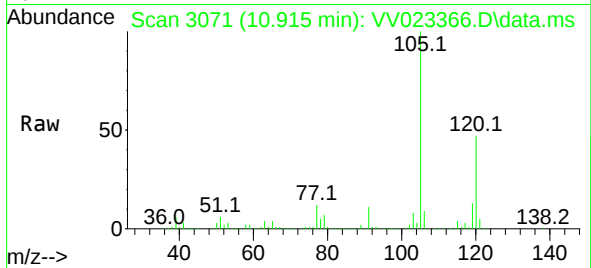




#63
1,2,4-Trimethylbenzene
Concen: 9.070 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. -0.000 min
Lab File: VV023366.D
Acq: 11 Nov 2021 05:18

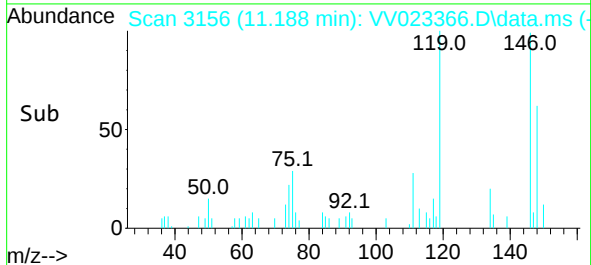
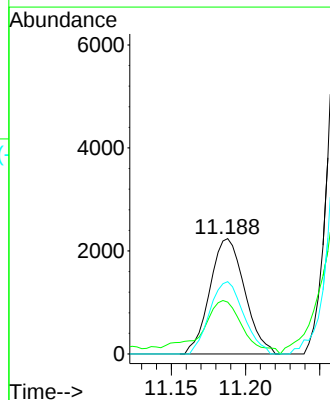
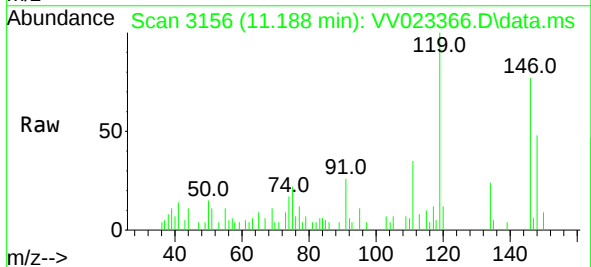
Instrument :
MSVOA_V
ClientSampleId :
BGGF3

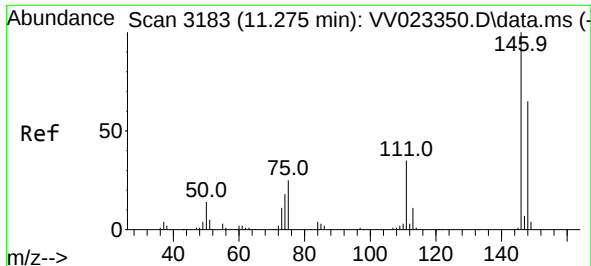
Tgt Ion:105 Resp: 318210
Ion Ratio Lower Upper
105 100
120 46.0 37.4 56.2



#64
1,3-Dichlorobenzene
Concen: 0.168 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.006 min
Lab File: VV023366.D
Acq: 11 Nov 2021 05:18

Tgt Ion:146 Resp: 3645
Ion Ratio Lower Upper
146 100
111 45.0 26.7 49.7
148 62.8 42.9 79.7

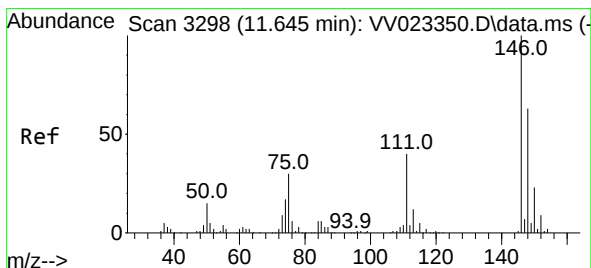
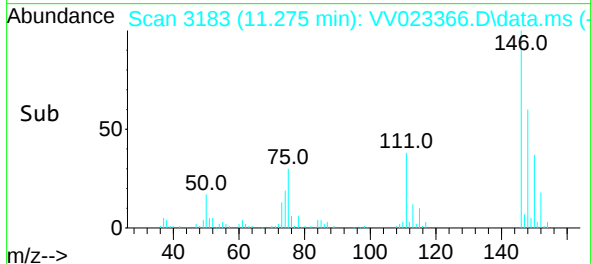
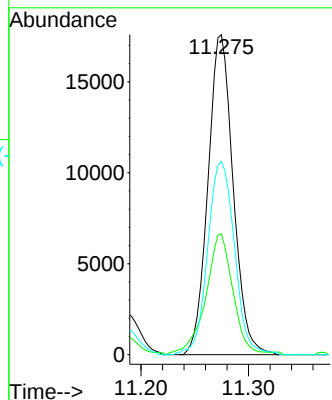
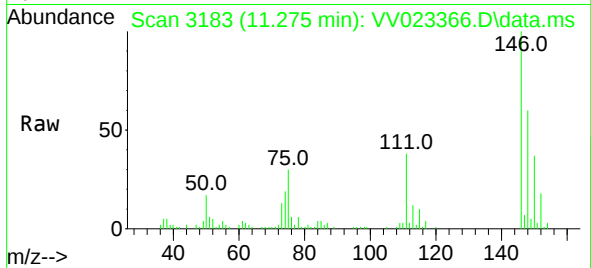




#65
1,4-Dichlorobenzene
Concen: 1.291 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. -0.000 min
Lab File: VV023366.D
Acq: 11 Nov 2021 05:18

Instrument :
MSVOA_V
ClientSampleId :
BGGF3

Tgt Ion:146 Resp: 28644
Ion Ratio Lower Upper
146 100
111 37.7 26.2 48.8
148 60.4 44.4 82.5



#67
1,2-Dichlorobenzene
Concen: 1.868 ug/L
RT: 11.645 min Scan# 3298
Delta R.T. -0.000 min
Lab File: VV023366.D
Acq: 11 Nov 2021 05:18

Tgt Ion:146 Resp: 36304
Ion Ratio Lower Upper
146 100
111 39.3 31.6 47.4
148 63.8 51.0 76.6

