

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111221\
 Data File : VW023428.D
 Acq On : 12 Nov 2021 08:44
 Operator : SY/MD
 Sample : M4542-06DL 10X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG266DL

Quant Time: Nov 13 00:10:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 12 04:43:24 2021
 Response via : Initial Calibration

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

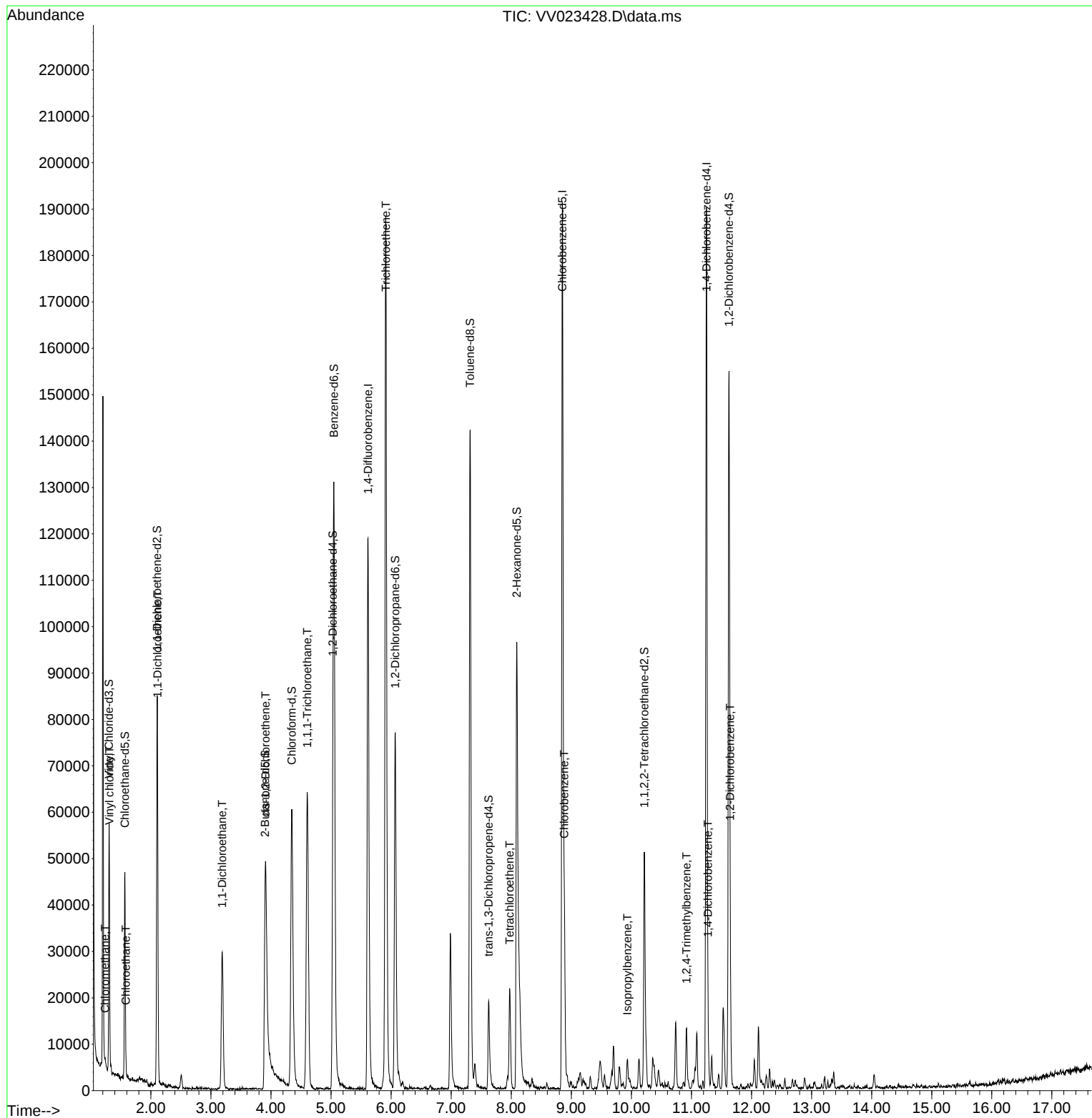
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	108119	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	108619	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	50396	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	29490	4.354	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.000%
7) Chloroethane-d5	1.568	69	25866	4.686	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.800%
11) 1,1-Dichloroethene-d2	2.105	63	43761	3.451	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.000%
20) 2-Butanone-d5	3.902	46	40969	35.109	ug/L	-0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	70.220%
24) Chloroform-d	4.346	84	62677	4.342	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	5.031	65	28938	4.458	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
32) Benzene-d6	5.047	84	116859	4.193	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
36) 1,2-Dichloropropane-d6	6.069	67	36711	4.475	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.400%
41) Toluene-d8	7.314	98	99459	3.808	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.200%
43) trans-1,3-Dichloroprop...	7.625	79	11446	3.679	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.600%
46) 2-Hexanone-d5	8.092	63	37913	33.125	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	66.240%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	23672	4.012	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	38365	4.572	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.400%
Target Compounds						Qvalue
3) Chloromethane	1.240	50	1005	0.112	ug/L	96
5) Vinyl chloride	1.311	62	5032	0.562	ug/L	94
8) Chloroethane	1.584	64	1418	0.274	ug/L	94
12) 1,1-Dichloroethene	2.111	96	1145	0.178	ug/L #	1
19) 1,1-Dichloroethane	3.188	63	29293	2.189	ug/L	98
22) cis-1,2-Dichloroethene	3.908	96	19787	2.594	ug/L #	86
29) 1,1,1-Trichloroethane	4.603	97	51756	3.923	ug/L	98
34) Trichloroethene	5.912	95	65086	8.062	ug/L	97
47) Tetrachloroethene	7.976	164	5139	0.734	ug/L	95
51) Chlorobenzene	8.883	112	21079	0.977	ug/L	95
60) Isopropylbenzene	9.934	105	4465	0.154	ug/L	98
63) 1,2,4-Trimethylbenzene	10.918	105	6760	0.283	ug/L	97
65) 1,4-Dichlorobenzene	11.275	146	3516	0.233	ug/L	88
67) 1,2-Dichlorobenzene	11.645	146	6610	0.500	ug/L	96

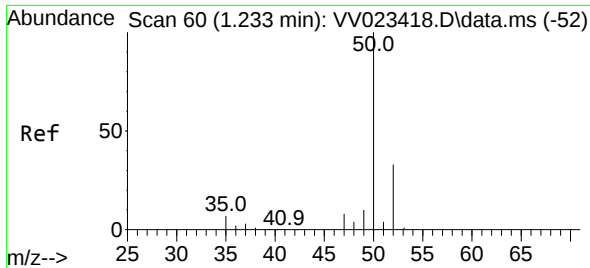
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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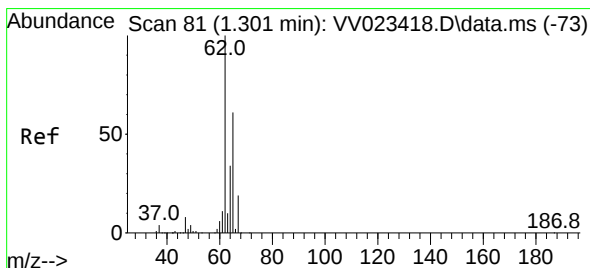
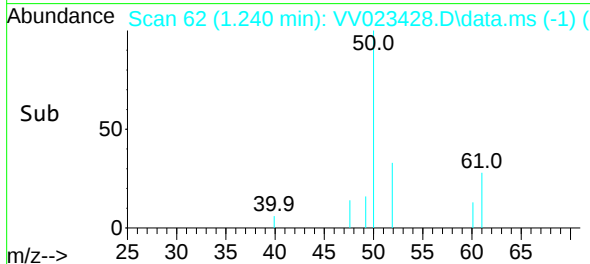
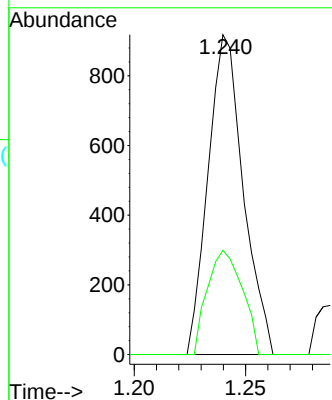
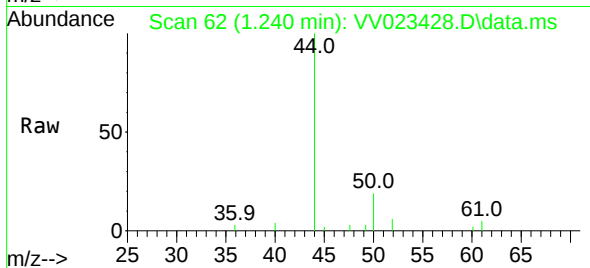




#3
Chloromethane
Concen: 0.112 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.006 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

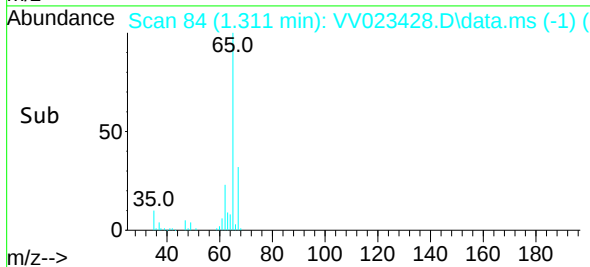
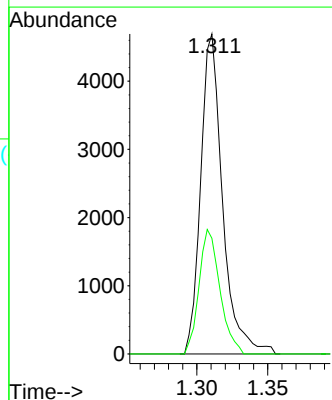
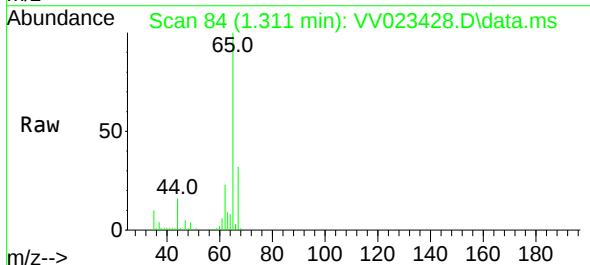
Instrument :
MSVOA_V
ClientSampleId :
BG266DL

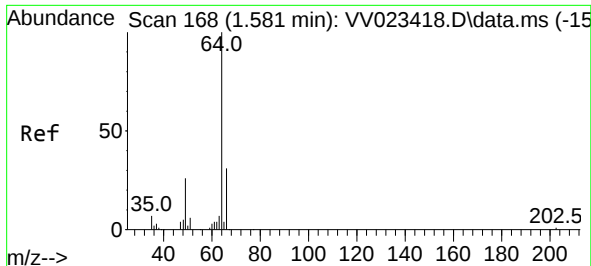
Tgt Ion: 50 Resp: 1005
Ion Ratio Lower Upper
50 100
52 32.6 24.3 45.1



#5
Vinyl chloride
Concen: 0.562 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.010 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

Tgt Ion: 62 Resp: 5032
Ion Ratio Lower Upper
62 100
64 36.1 23.1 42.9

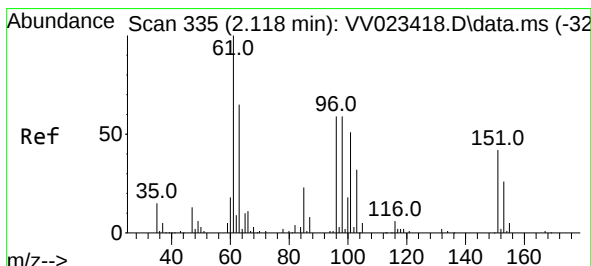
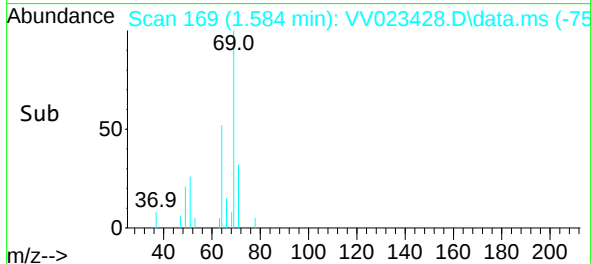
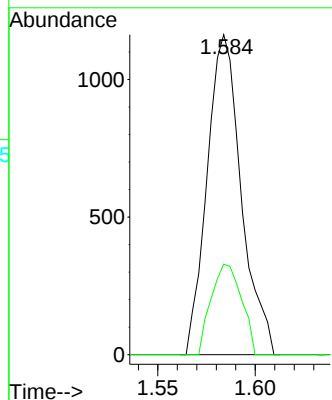
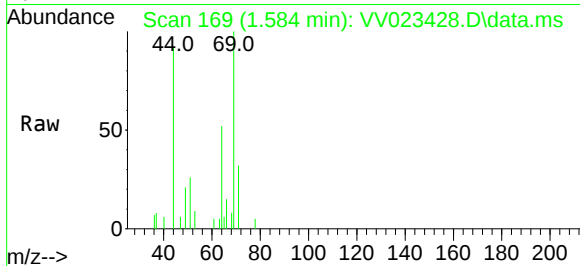




#8
Chloroethane
Concen: 0.274 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

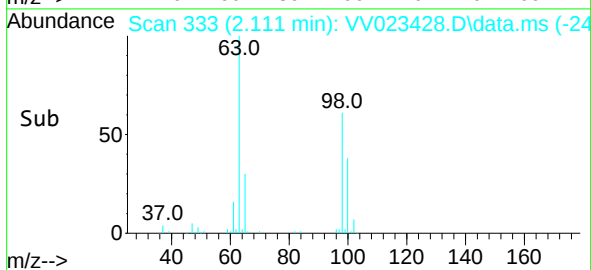
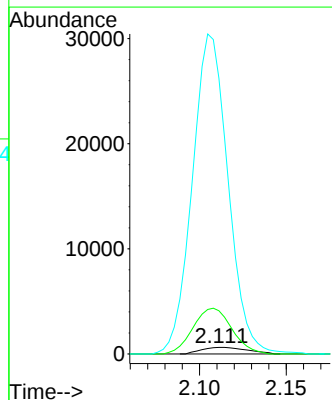
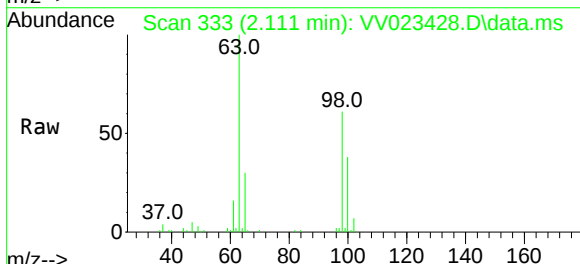
Instrument :
MSVOA_V
ClientSampleId :
BG266DL

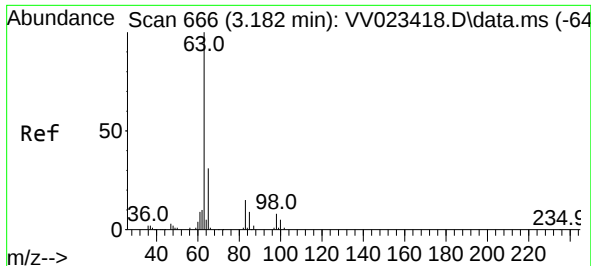
Tgt Ion: 64 Resp: 1418
Ion Ratio Lower Upper
64 100
66 28.3 22.1 41.1



#12
1,1-Dichloroethene
Concen: 0.178 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.006 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

Tgt Ion: 96 Resp: 1145
Ion Ratio Lower Upper
96 100
61 657.7 121.5 225.7#
63 4203.8 99.6 185.0#





#19

1,1-Dichloroethane

Concen: 2.189 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

Instrument :

MSVOA_V

ClientSampleId :

BG266DL

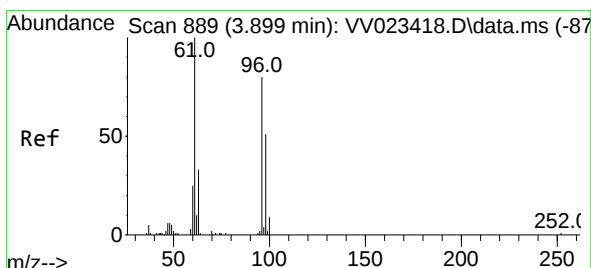
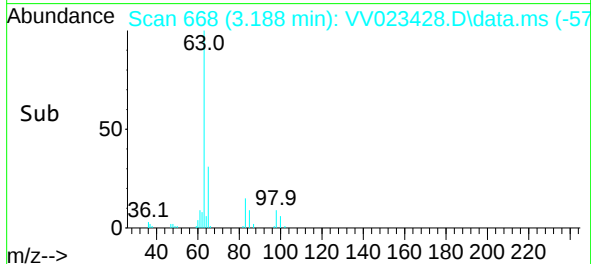
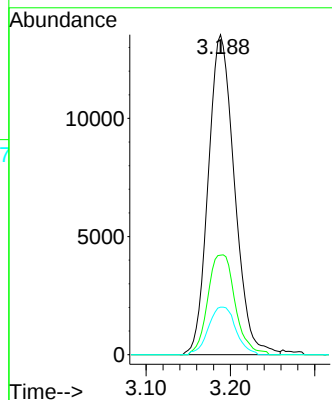
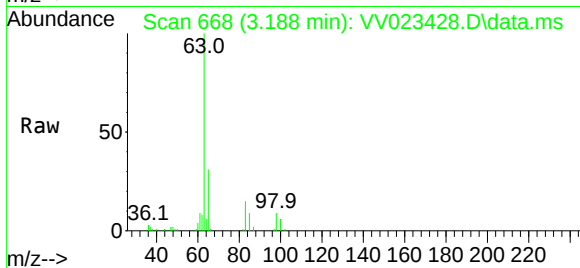
Tgt Ion: 63 Resp: 29293

Ion Ratio Lower Upper

63 100

65 31.1 22.6 42.0

83 14.9 11.1 20.7



#22

cis-1,2-Dichloroethene

Concen: 2.594 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.010 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

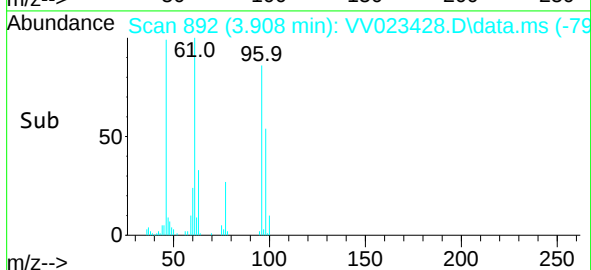
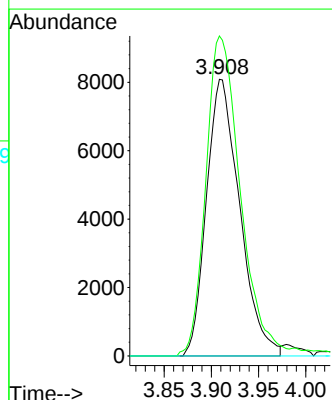
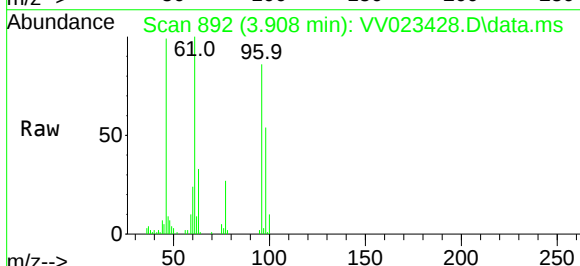
Tgt Ion: 96 Resp: 19787

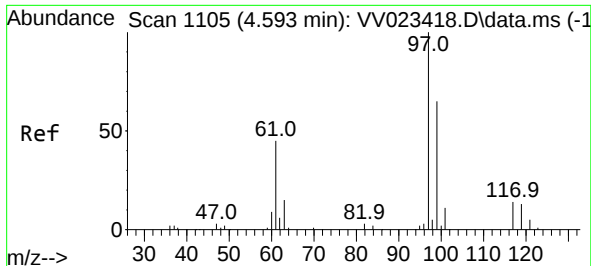
Ion Ratio Lower Upper

96 100

61 115.7 92.3 171.3

68 0.0 0.4 0.8





#29

1,1,1-Trichloroethane

Concen: 3.923 ug/L

RT: 4.603 min Scan# 1105

Delta R.T. 0.010 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

Instrument :

MSVOA_V

ClientSampleId :

BG266DL

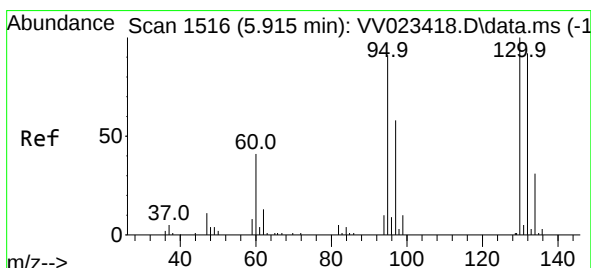
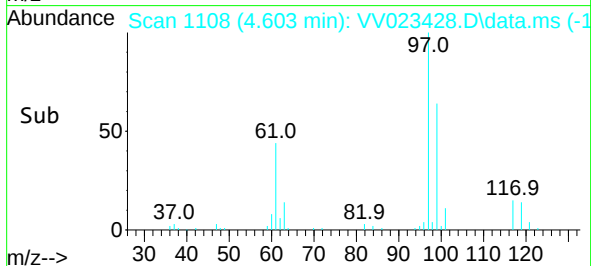
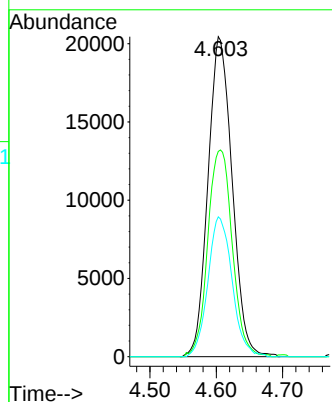
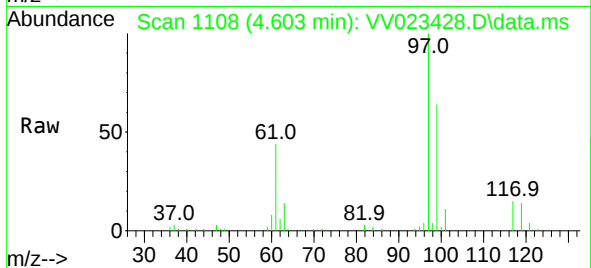
Tgt Ion: 97 Resp: 51756

Ion Ratio Lower Upper

97 100

99 65.6 51.0 76.4

61 43.7 34.1 51.1



#34

Trichloroethene

Concen: 8.062 ug/L

RT: 5.912 min Scan# 1515

Delta R.T. -0.003 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

Tgt Ion: 95 Resp: 65086

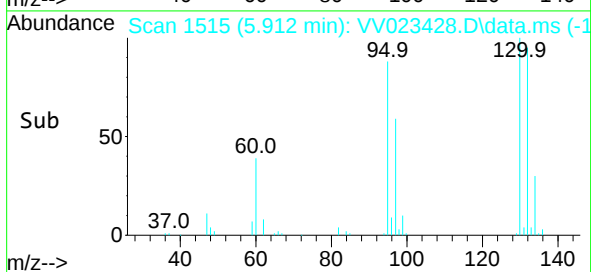
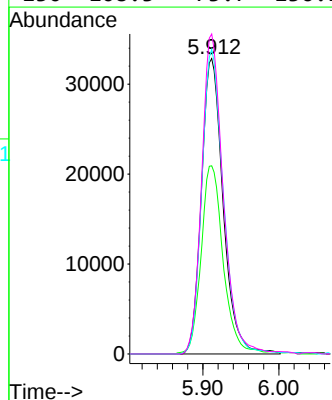
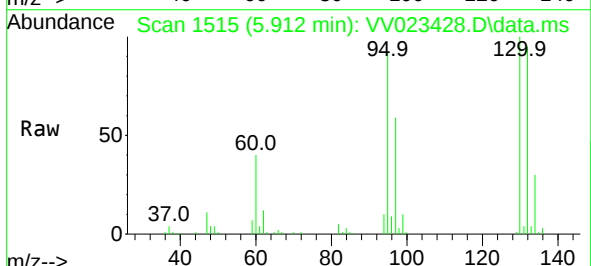
Ion Ratio Lower Upper

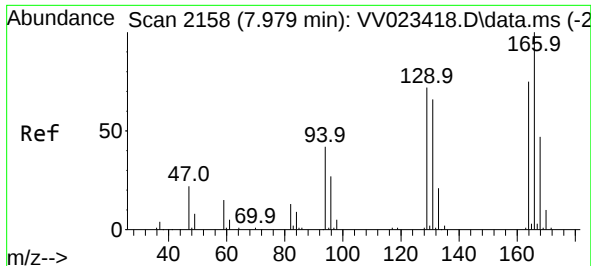
95 100

97 63.7 45.0 83.6

132 103.1 69.7 129.4

130 108.3 73.7 136.9





#47

Tetrachloroethene

Concen: 0.734 ug/L

RT: 7.976 min Scan# 2158

Delta R.T. -0.003 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

Instrument :

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BG266DL

Tgt Ion:164 Resp: 5139

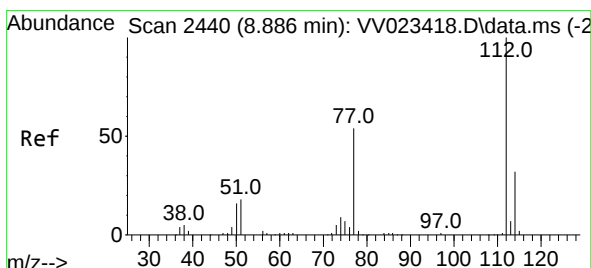
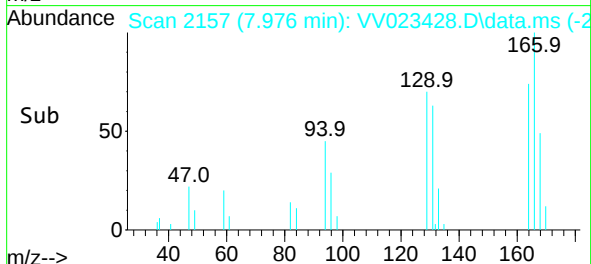
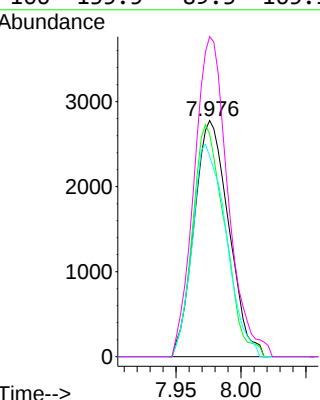
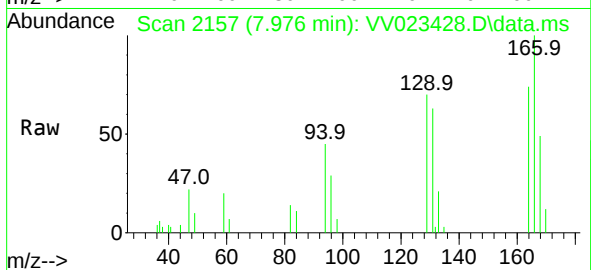
Ion Ratio Lower Upper

164 100

129 94.2 64.0 119.0

131 84.8 63.4 117.8

166 135.5 89.3 165.9



#51

Chlorobenzene

Concen: 0.977 ug/L

RT: 8.883 min Scan# 2439

Delta R.T. -0.003 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

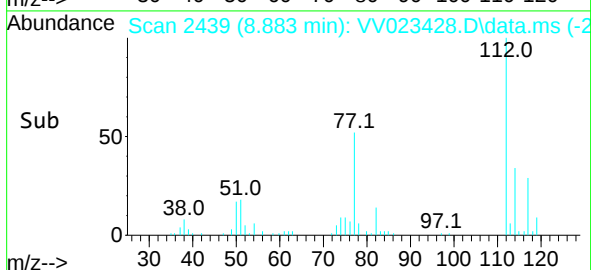
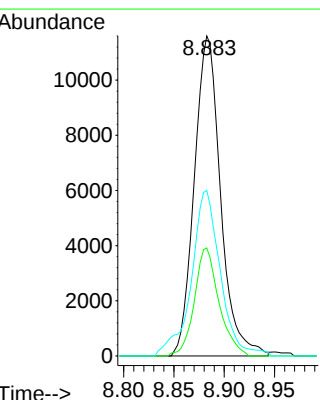
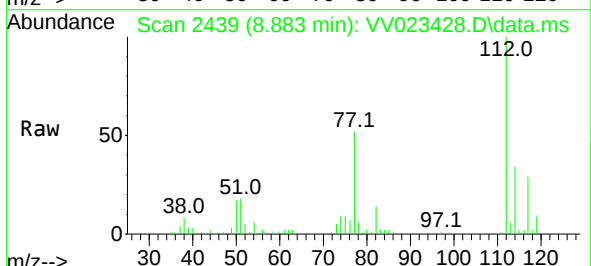
Tgt Ion:112 Resp: 21079

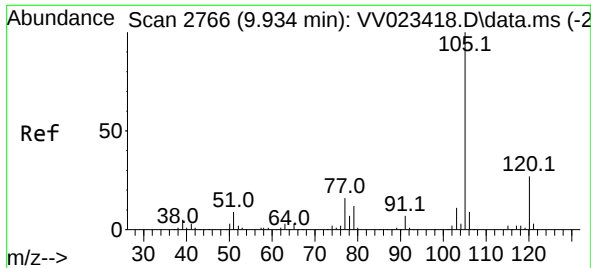
Ion Ratio Lower Upper

112 100

114 33.7 22.0 40.8

77 51.8 44.4 66.6

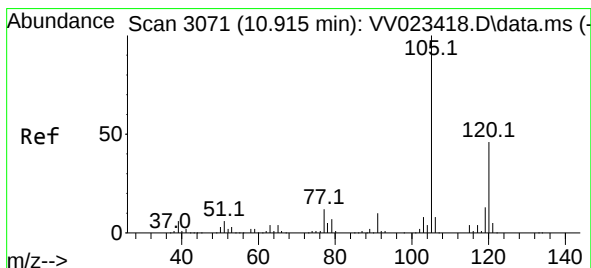
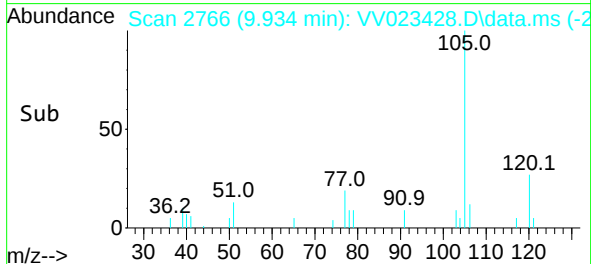
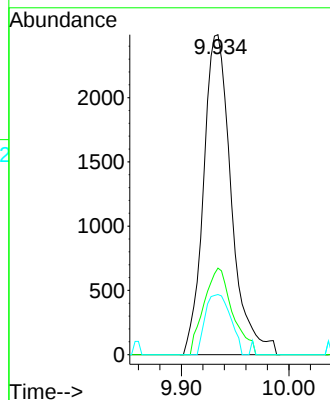
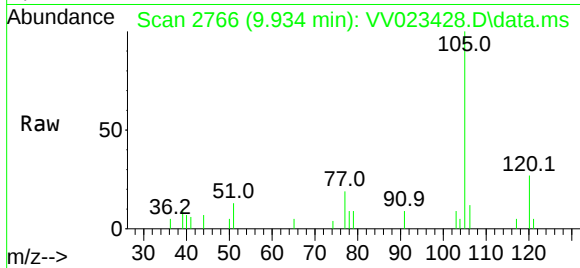




#60
Isopropylbenzene
Concen: 0.154 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

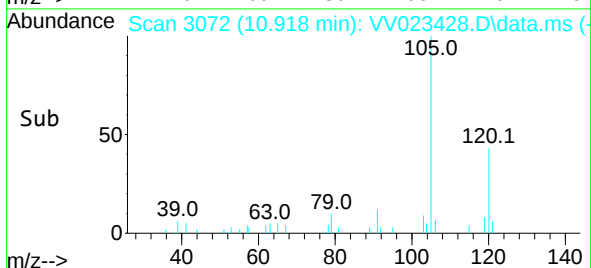
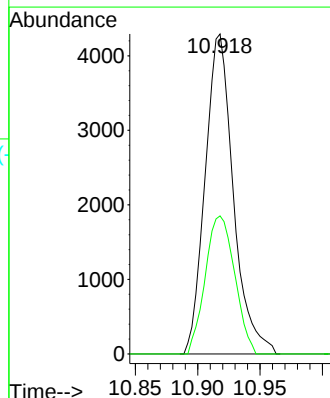
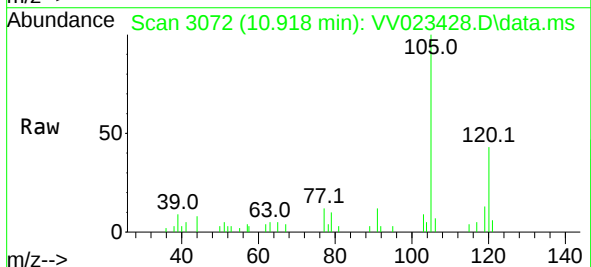
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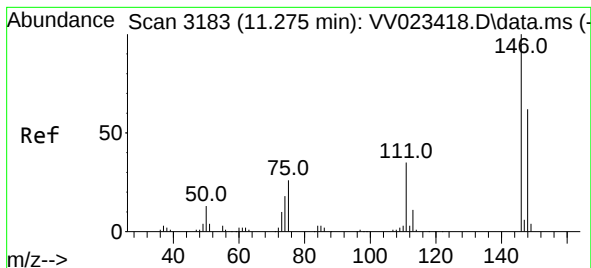
Tgt Ion:105 Resp: 4465
Ion Ratio Lower Upper
105 100
120 27.8 21.7 32.5
77 17.1 12.6 19.0



#63
1,2,4-Trimethylbenzene
Concen: 0.283 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

Tgt Ion:105 Resp: 6760
Ion Ratio Lower Upper
105 100
120 44.9 37.4 56.2





#65

1,4-Dichlorobenzene

Concen: 0.233 ug/L

RT: 11.275 min Scan# 3183

Delta R.T. 0.000 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

Instrument :

MSVOA_V

ClientSampleId :

BG266DL

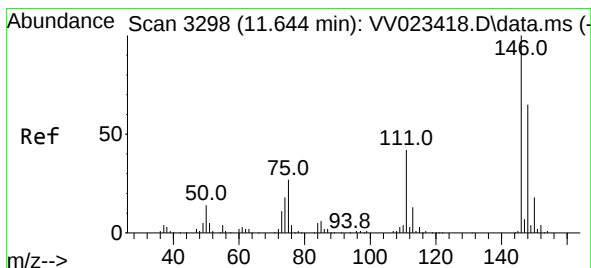
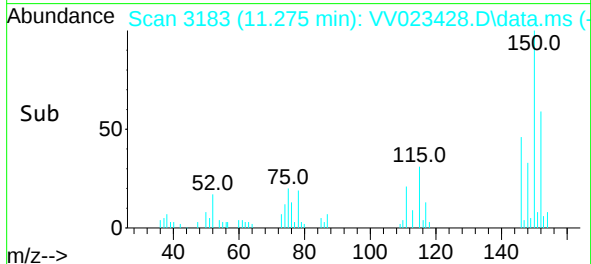
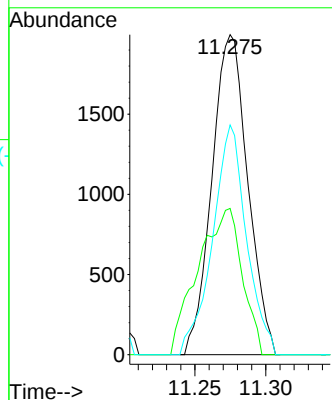
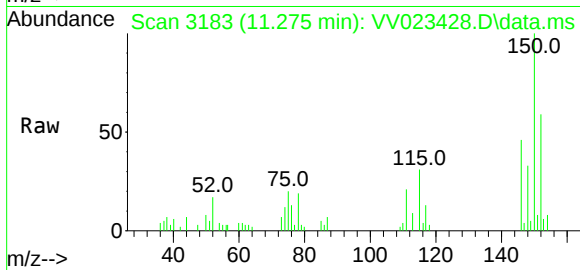
Tgt Ion:146 Resp: 3516

Ion Ratio Lower Upper

146 100

111 45.7 26.2 48.8

148 71.8 44.4 82.5



#67

1,2-Dichlorobenzene

Concen: 0.500 ug/L

RT: 11.645 min Scan# 3298

Delta R.T. 0.000 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

Tgt Ion:146 Resp: 6610

Ion Ratio Lower Upper

146 100

111 42.8 31.6 47.4

148 66.7 51.0 76.6

