

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121421\
 Data File : VW023963.D
 Acq On : 14 Dec 2021 12:57
 Operator : SY/MD
 Sample : M5005-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EW218

Quant Time: Dec 15 01:38:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 11 04:33:17 2021
 Response via : Initial Calibration

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

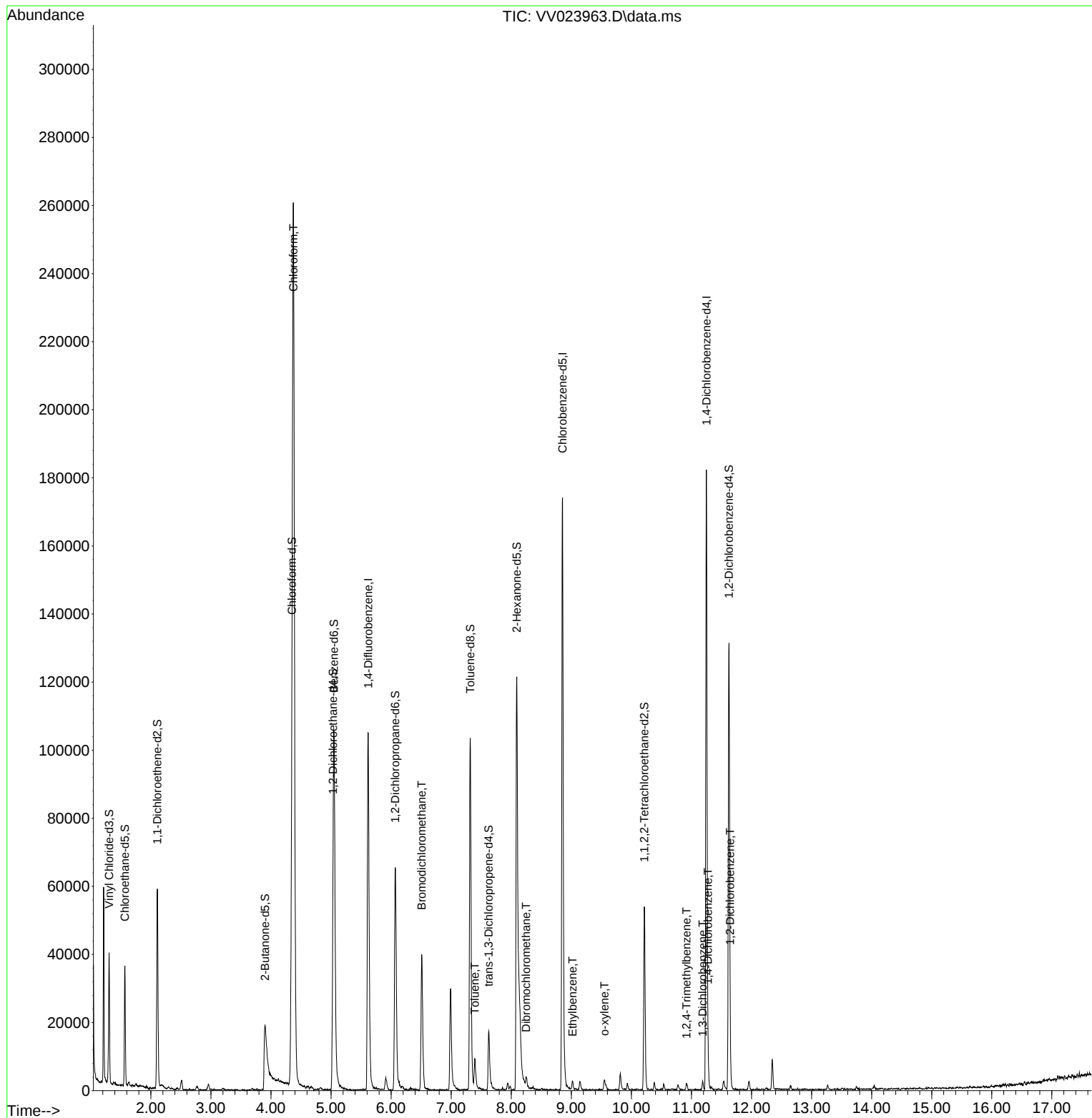
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	93874	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	100933	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	47960	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	20761	4.114	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.200%
7) Chloroethane-d5	1.568	69	20392	4.843	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.108	63	29164	2.961	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.200%#
20) 2-Butanone-d5	3.902	46	43283	43.900	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.800%
24) Chloroform-d	4.349	84	67628	5.916	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.400%
26) 1,2-Dichloroethane-d4	5.034	65	29302	5.506	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.200%
32) Benzene-d6	5.050	84	92033	4.604	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
36) 1,2-Dichloropropane-d6	6.069	67	30679	5.087	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.317	98	70082	3.894	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.800%
43) trans-1,3-Dichloroprop...	7.625	79	10380	4.148	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.092	63	53958	48.172	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.340%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	24679	4.933	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	35464	5.536	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.800%
Target Compounds						Qvalue
25) Chloroform	4.375	83	230699	16.585	ug/L	99
38) Bromodichloromethane	6.510	83	26817	2.789	ug/L	99
42) Toluene	7.394	91	7094	0.221	ug/L	98
49) Dibromochloromethane	8.246	129	1124	0.165	ug/L	99
52) Ethylbenzene	9.021	91	2352	0.069	ug/L	100
54) o-xylene	9.555	106	863	0.067	ug/L	78
63) 1,2,4-Trimethylbenzene	10.918	105	1588	0.068	ug/L #	86
64) 1,3-Dichlorobenzene	11.188	146	1349	0.094	ug/L	95
65) 1,4-Dichlorobenzene	11.275	146	2481	0.172	ug/L	94
67) 1,2-Dichlorobenzene	11.645	146	2470	0.187	ug/L	96

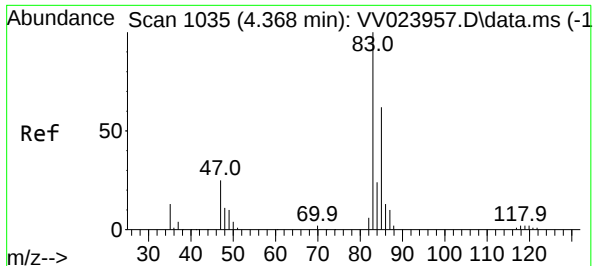
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Dec 11 04:33:17 2021
Response via : Initial Calibration





#25

Chloroform

Concen: 16.585 ug/L

RT: 4.375 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VV023963.D

Acq: 14 Dec 2021 12:57

Instrument :

MSVOA_V

ClientSampleId :

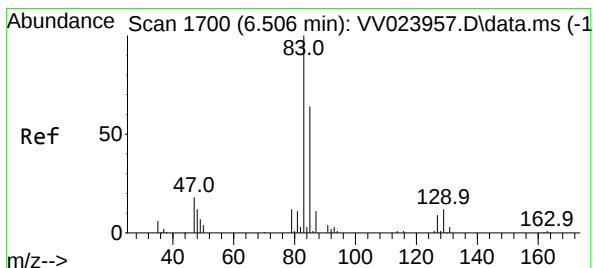
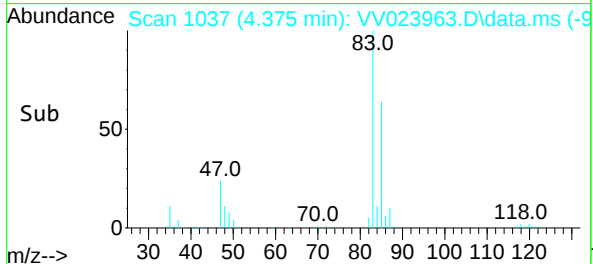
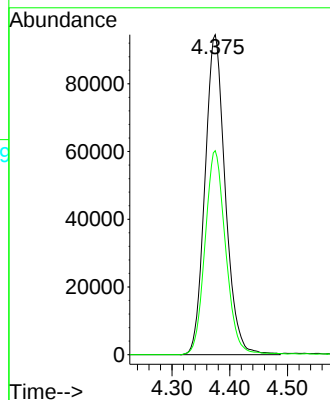
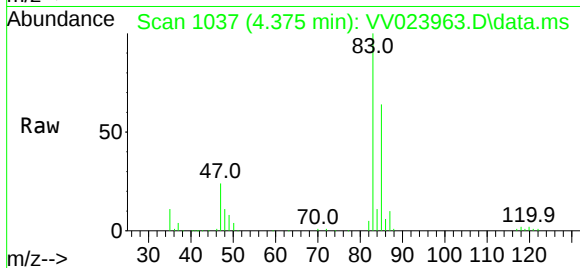
EW218

Tgt Ion: 83 Resp: 230699

Ion Ratio Lower Upper

83 100

85 63.8 45.2 84.0



#38

Bromodichloromethane

Concen: 2.789 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV023963.D

Acq: 14 Dec 2021 12:57

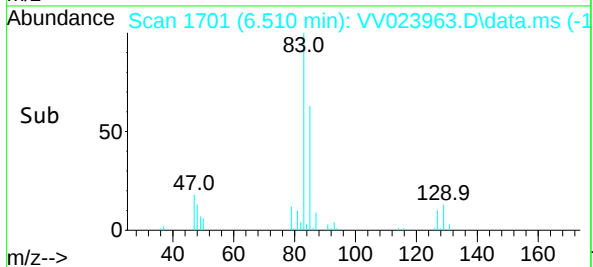
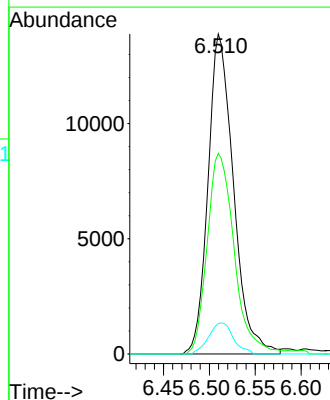
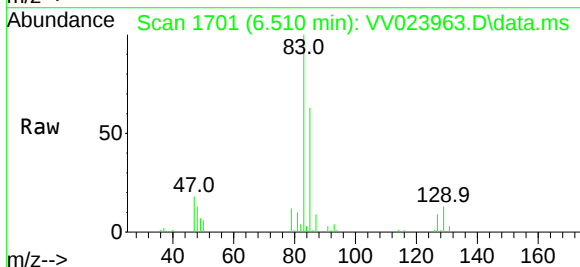
Tgt Ion: 83 Resp: 26817

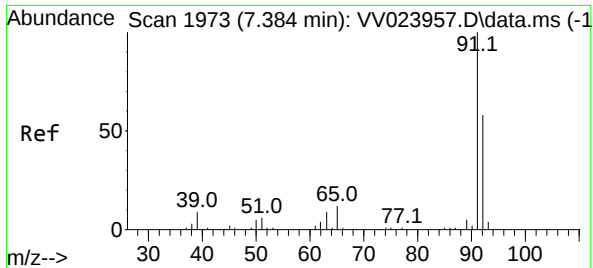
Ion Ratio Lower Upper

83 100

85 62.7 44.0 81.8

127 9.5 8.6 12.8





#42

Toluene

Concen: 0.221 ug/L

RT: 7.394 min Scan# 1973

Delta R.T. 0.010 min

Lab File: VV023963.D

Acq: 14 Dec 2021 12:57

Instrument :

MSVOA_V

ClientSampleId :

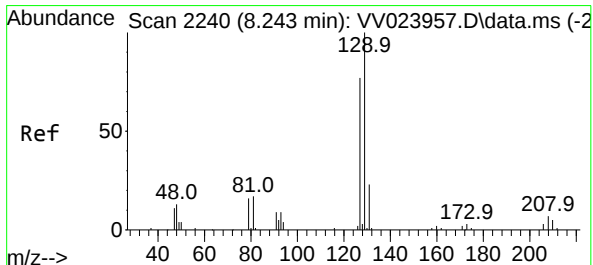
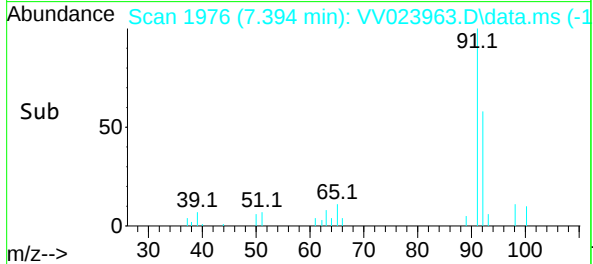
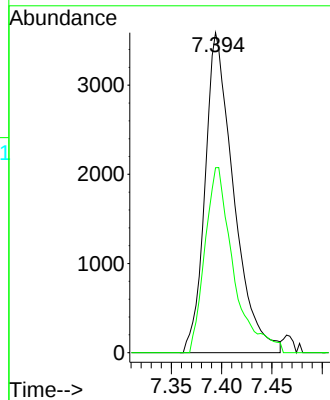
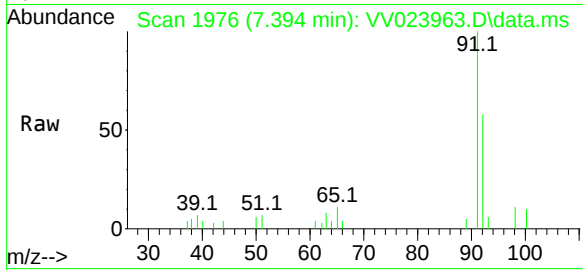
EW218

Tgt Ion: 91 Resp: 7094

Ion Ratio Lower Upper

91 100

92 57.8 41.5 77.1



#49

Dibromochloromethane

Concen: 0.165 ug/L

RT: 8.246 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VV023963.D

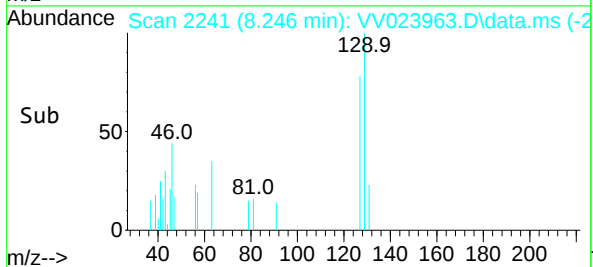
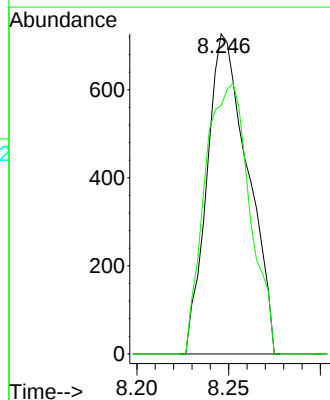
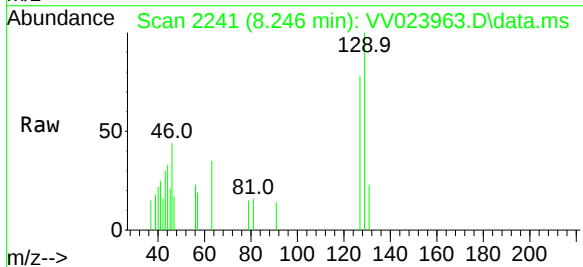
Acq: 14 Dec 2021 12:57

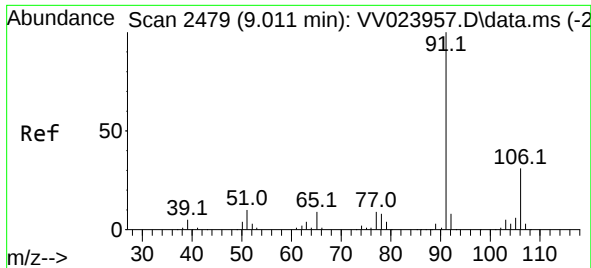
Tgt Ion: 129 Resp: 1124

Ion Ratio Lower Upper

129 100

127 77.6 53.5 99.3





#52

Ethylbenzene

Concen: 0.069 ug/L

RT: 9.021 min Scan# 2479

Delta R.T. 0.010 min

Lab File: VV023963.D

Acq: 14 Dec 2021 12:57

Instrument :

MSVOA_V

ClientSampleId :

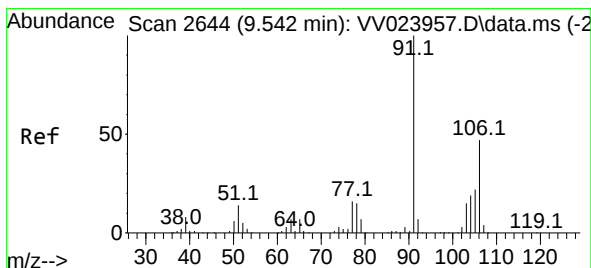
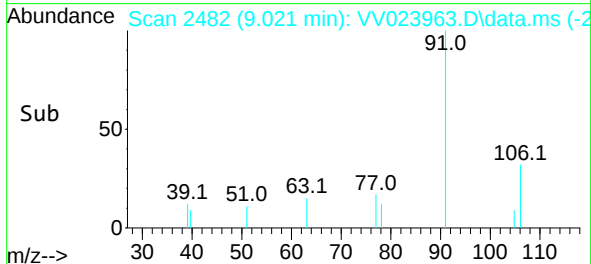
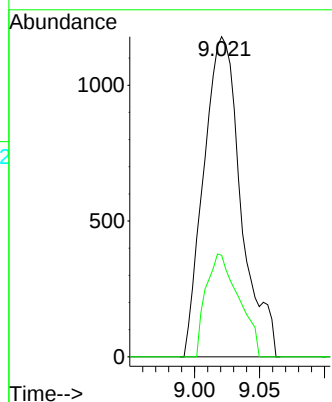
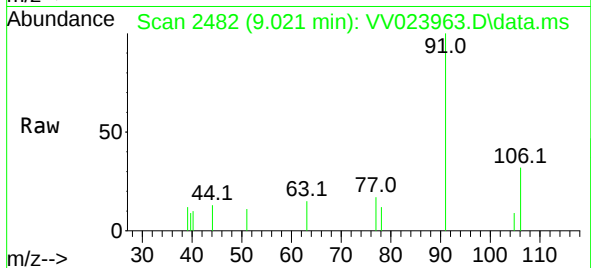
EW218

Tgt Ion: 91 Resp: 2352

Ion Ratio Lower Upper

91 100

106 31.7 22.0 41.0



#54

o-xylene

Concen: 0.067 ug/L

RT: 9.555 min Scan# 2648

Delta R.T. 0.013 min

Lab File: VV023963.D

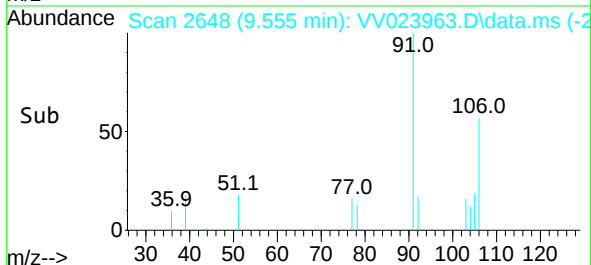
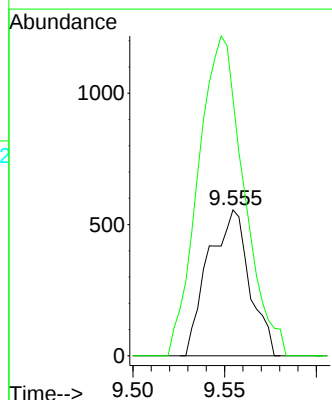
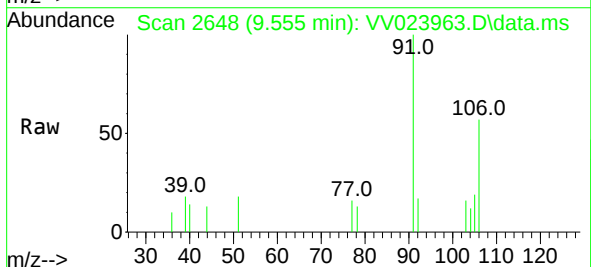
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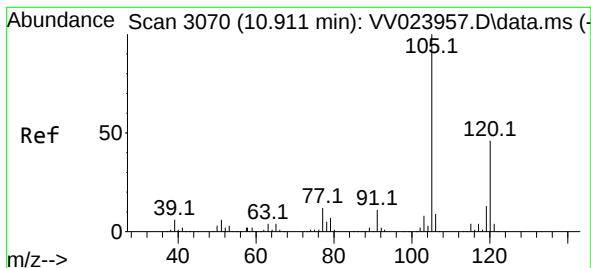
Tgt Ion: 106 Resp: 863

Ion Ratio Lower Upper

106 100

91 176.3 147.9 274.7





#63

1,2,4-Trimethylbenzene

Concen: 0.068 ug/L

RT: 10.918 min Scan# 3070

Delta R.T. 0.003 min

Lab File: VV023963.D

Acq: 14 Dec 2021 12:57

Instrument :

MSVOA_V

ClientSampleId :

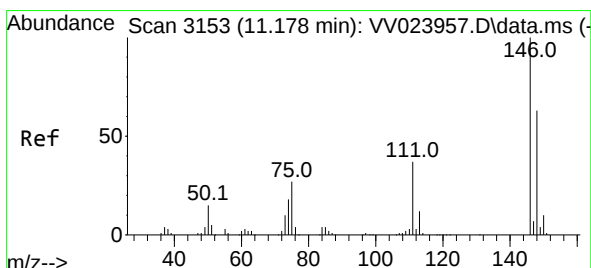
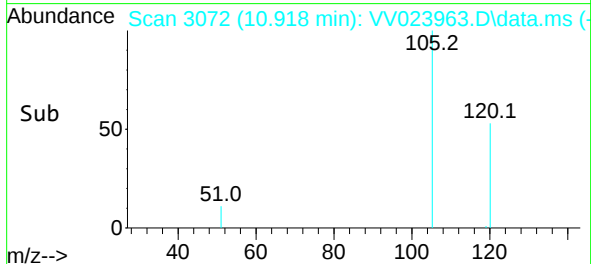
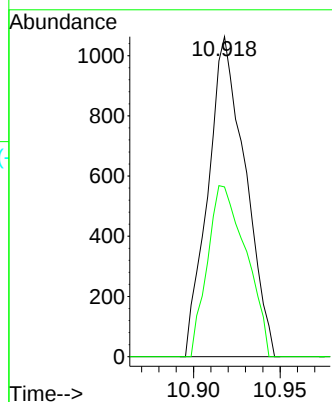
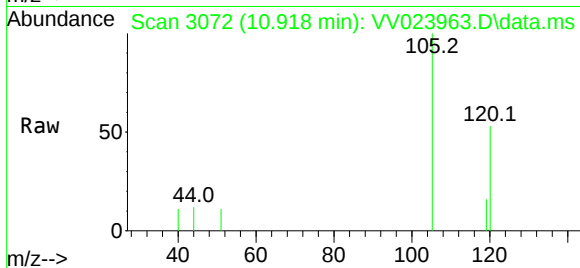
EW218

Tgt Ion:105 Resp: 1588

Ion Ratio Lower Upper

105 100

120 55.4 36.7 55.1#



#64

1,3-Dichlorobenzene

Concen: 0.094 ug/L

RT: 11.188 min Scan# 3156

Delta R.T. 0.010 min

Lab File: VV023963.D

Acq: 14 Dec 2021 12:57

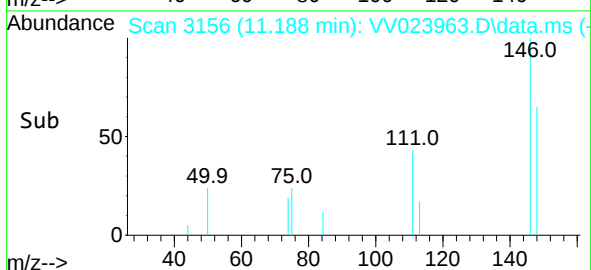
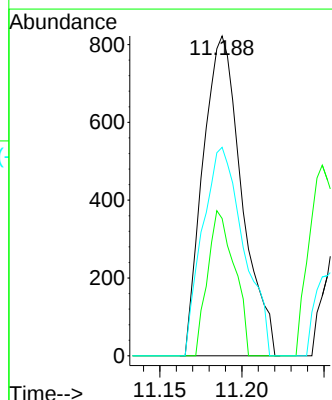
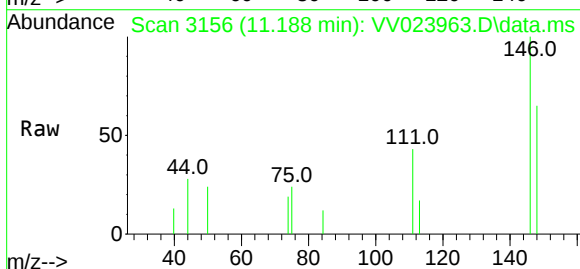
Tgt Ion:146 Resp: 1349

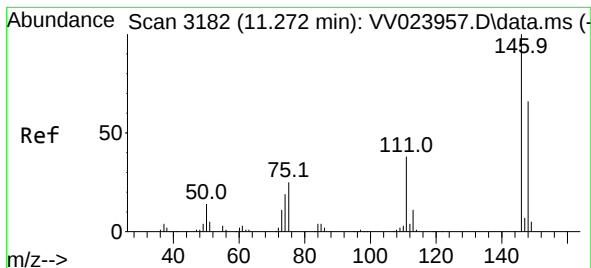
Ion Ratio Lower Upper

146 100

111 42.9 26.3 48.9

148 65.2 44.4 82.5





#65

1,4-Dichlorobenzene

Concen: 0.172 ug/L

RT: 11.275 min Scan# 3182

Delta R.T. 0.003 min

Lab File: VV023963.D

Acq: 14 Dec 2021 12:57

Instrument :

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ClientSampleId :

EW218

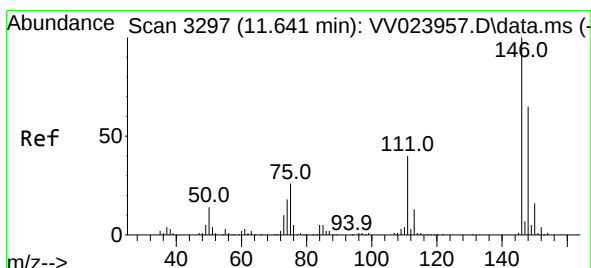
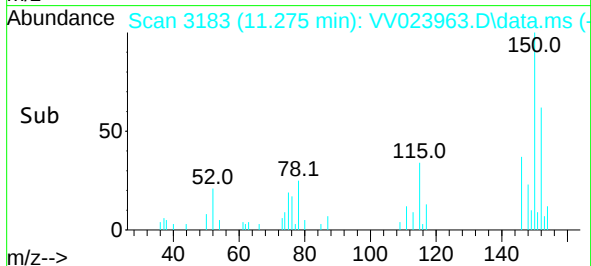
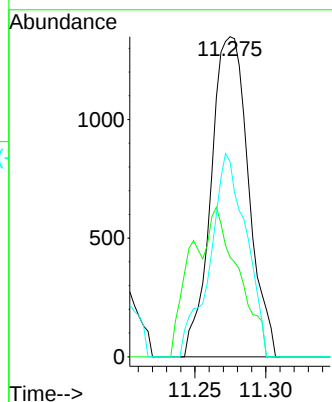
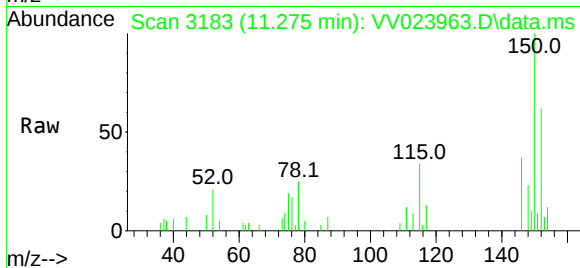
Tgt Ion:146 Resp: 2481

Ion Ratio Lower Upper

146 100

111 31.1 25.6 47.6

148 60.9 44.8 83.2



#67

1,2-Dichlorobenzene

Concen: 0.187 ug/L

RT: 11.645 min Scan# 3298

Delta R.T. 0.003 min

Lab File: VV023963.D

Acq: 14 Dec 2021 12:57

Tgt Ion:146 Resp: 2470

Ion Ratio Lower Upper

146 100

111 44.2 31.9 47.9

148 61.1 50.5 75.7

