

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121421\
 Data File : VW023962.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 :
 EW216

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	
3) Chloromethane	1.240	50	432	0.062	ug/L	90
6) Bromomethane	1.520	94	205	0.043	ug/L	93
12) 1,1-Dichloroethene	2.111	96	485	0.077	ug/L #	1
13) Acetone	2.192	43	2205	2.795	ug/L	82
17) Methyl tert-butyl Ether	2.770	73	749	0.053	ug/L #	62
25) Chloroform	4.375	83	230699	16.585	ug/L	99
35) Methylcyclohexane	6.130	83	757	0.064	ug/L #	33
38) Bromodichloromethane	6.510	83	26817	2.789	ug/L	99
42) Toluene	7.394	91	7094	0.221	ug/L	98
48) 2-Hexanone	8.140	43	3459	1.463	ug/L #	95
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
62) 1,3,5-Trimethylbenzene	10.918	105	1588	0.068	ug/L	92
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
68) 1,2-Dibromo-3-chloropr...	12.239	75	63	0.088	ug/L #	1

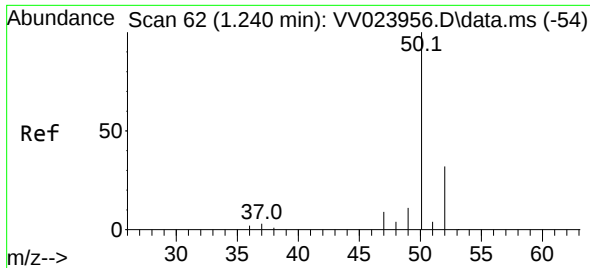
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Data File : VV023962.D
Acq On : 14 Dec 2021 12:57
Operator : SY/MD
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Dec 11 04:33:17 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.271	180	509	0.055	ug/L	93

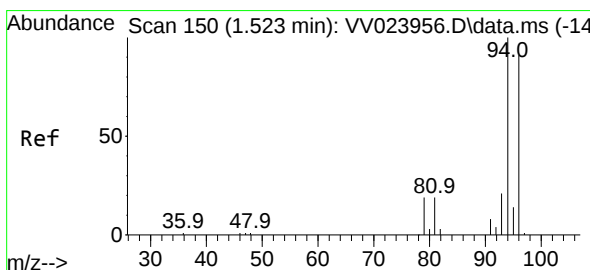
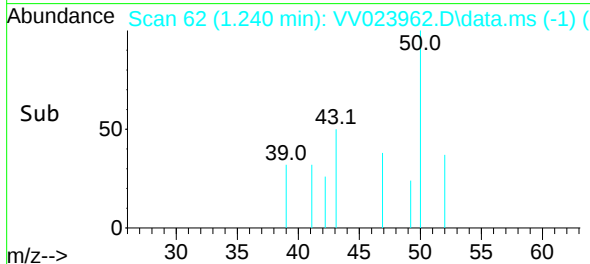
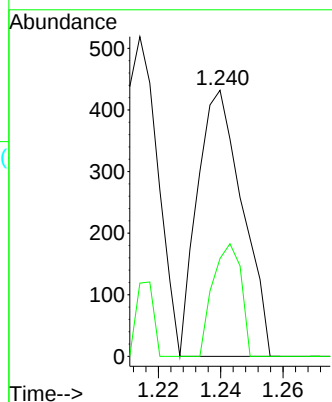
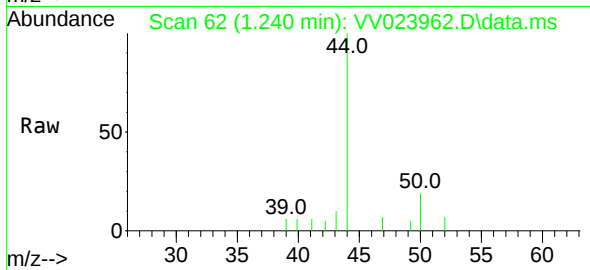
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.062 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023962.D
Acq: 14 Dec 2021 12:57

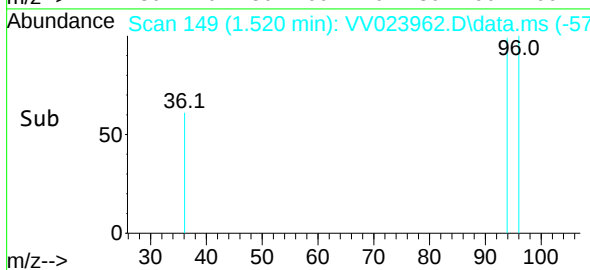
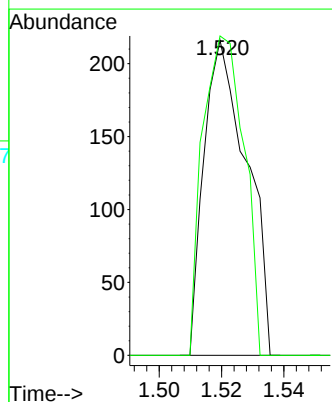
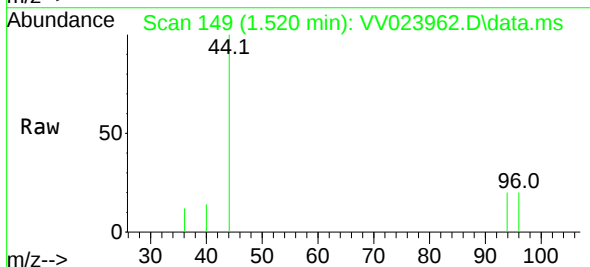
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MSVOA_V
ClientSampleId :
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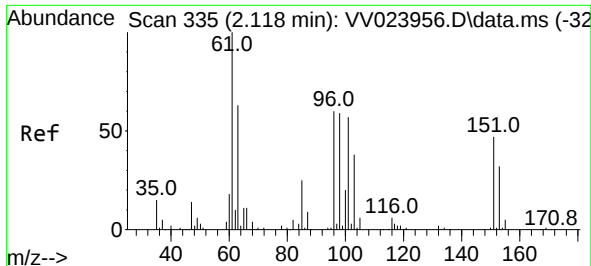
Tgt Ion: 50 Resp: 432
Ion Ratio Lower Upper
50 100
52 36.8 22.0 41.0



#6
Bromomethane
Concen: 0.043 ug/L
RT: 1.520 min Scan# 149
Delta R.T. -0.003 min
Lab File: VV023962.D
Acq: 14 Dec 2021 12:57

Tgt Ion: 94 Resp: 205
Ion Ratio Lower Upper
94 100
96 101.4 66.2 123.0





#12

1,1-Dichloroethene

Concen: 0.077 ug/L

RT: 2.111 min Scan# 311

Delta R.T. -0.006 min

Lab File: VV023962.D

Acq: 14 Dec 2021 12:57

Instrument :

MSVOA_V

ClientSampleId :

EW216

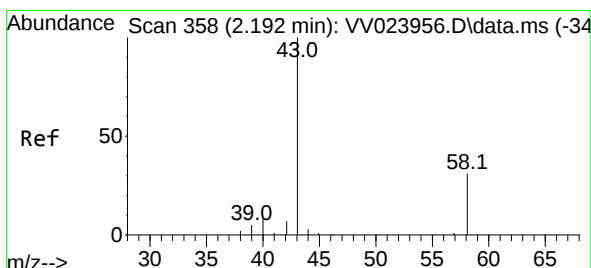
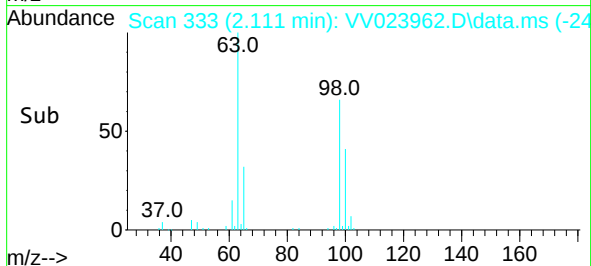
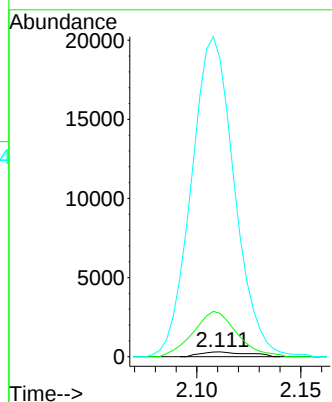
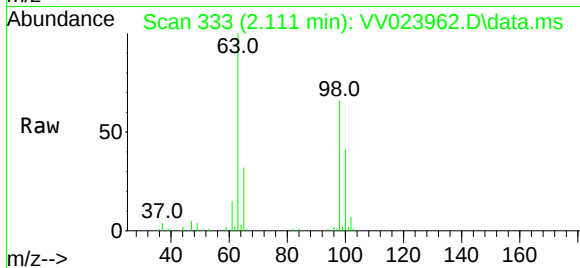
Tgt Ion: 96 Resp: 485

Ion Ratio Lower Upper

96 100

61 906.3 116.1 215.5#

63 6235.8 79.4 147.4#



#13

Acetone

Concen: 2.795 ug/L

RT: 2.192 min Scan# 358

Delta R.T. 0.000 min

Lab File: VV023962.D

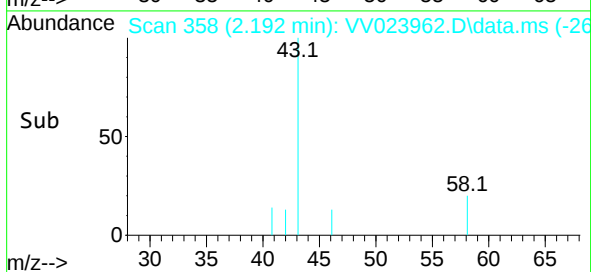
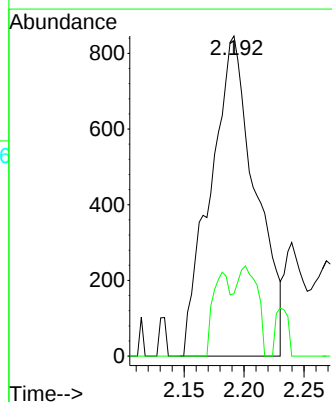
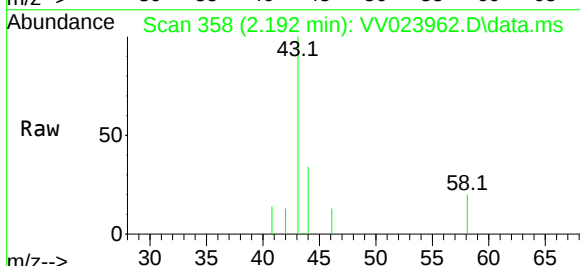
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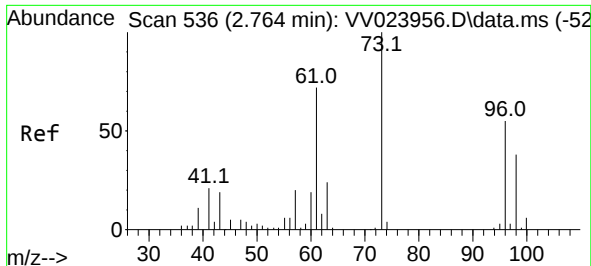
Tgt Ion: 43 Resp: 2205

Ion Ratio Lower Upper

43 100

58 12.4 0.0 41.4

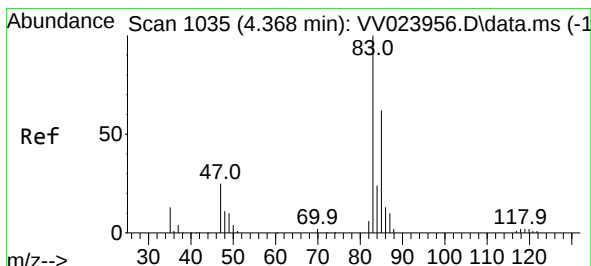
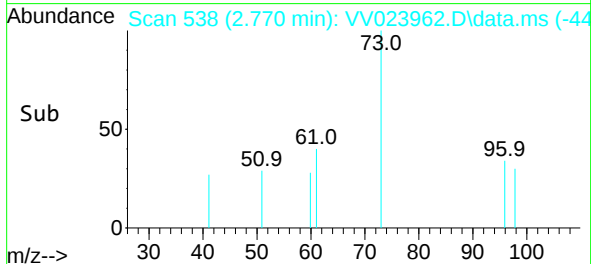
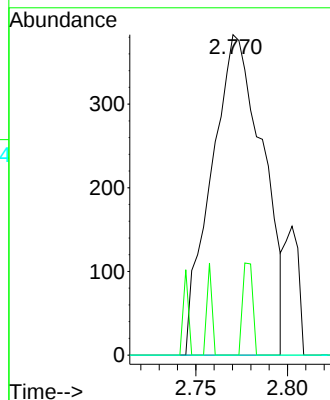
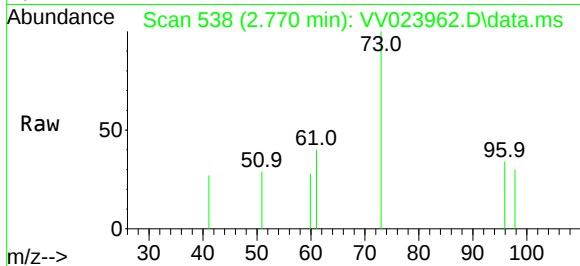




#17
Methyl tert-butyl Ether
Concen: 0.053 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV023962.D
Acq: 14 Dec 2021 12:57

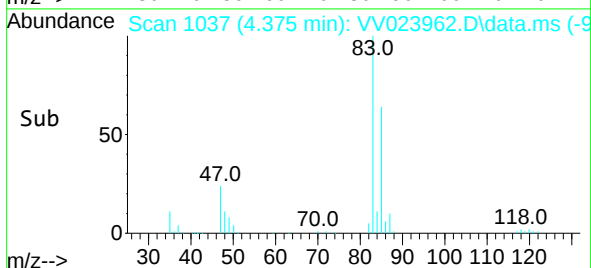
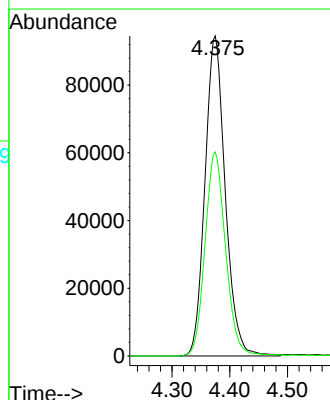
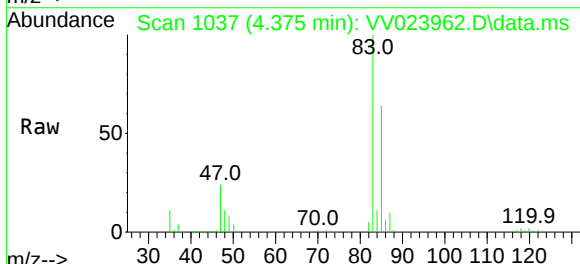
Instrument :
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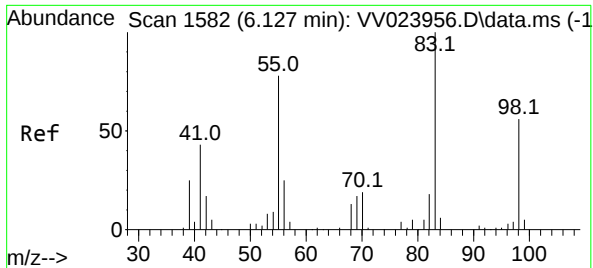
Tgt Ion: 73 Resp: 749
Ion Ratio Lower Upper
73 100
43 5.6 15.5 23.3#
57 0.0 17.1 25.7#



#25
Chloroform
Concen: 16.585 ug/L
RT: 4.375 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VV023962.D
Acq: 14 Dec 2021 12:57

Tgt Ion: 83 Resp: 230699
Ion Ratio Lower Upper
83 100
85 63.8 45.2 84.0

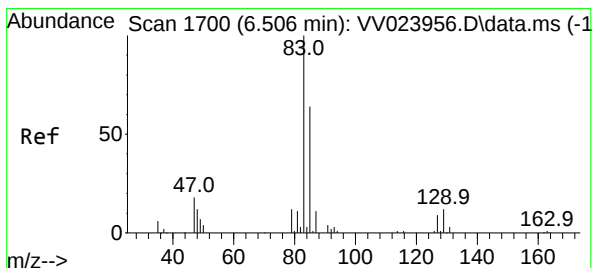
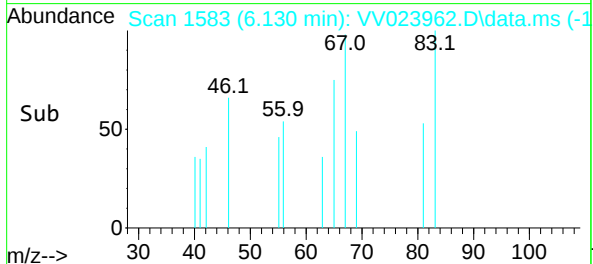
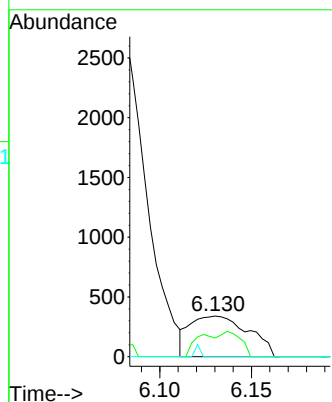
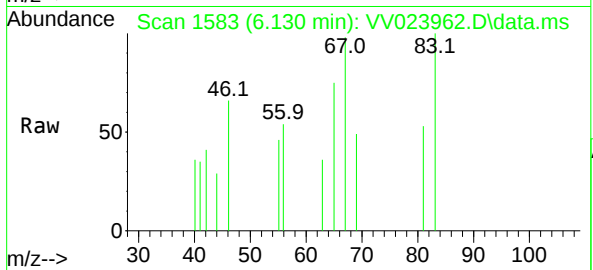




#35
Methylcyclohexane
Concen: 0.064 ug/L
RT: 6.130 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV023962.D
Acq: 14 Dec 2021 12:57

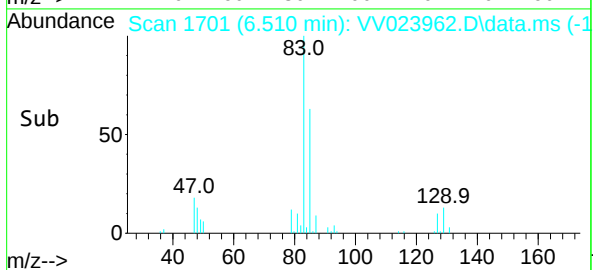
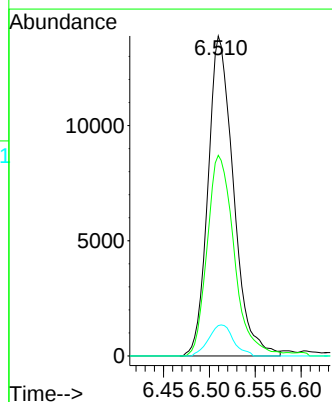
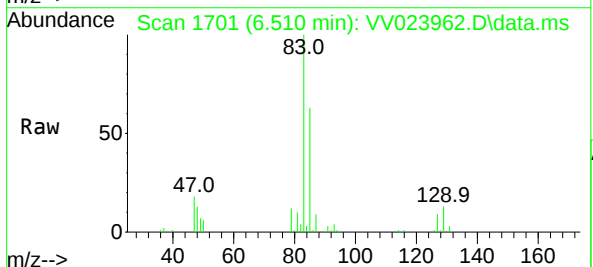
Instrument :
MSVOA_V
ClientSampleId :
EW216

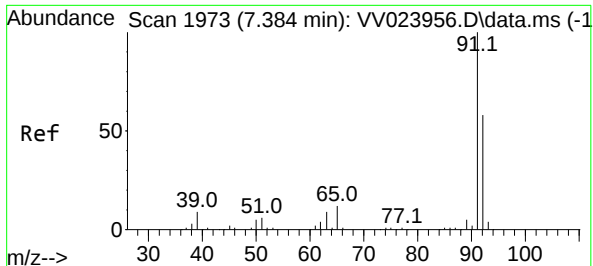
Tgt Ion: 83 Resp: 757
Ion Ratio Lower Upper
83 100
55 22.1 60.2 90.2#
98 0.0 41.0 61.4#



#38
Bromodichloromethane
Concen: 2.789 ug/L
RT: 6.510 min Scan# 1701
Delta R.T. 0.003 min
Lab File: VV023962.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: VV023962.D

Acq: 14 Dec 2021 12:57

Instrument :

MSVOA_V

ClientSampleId :

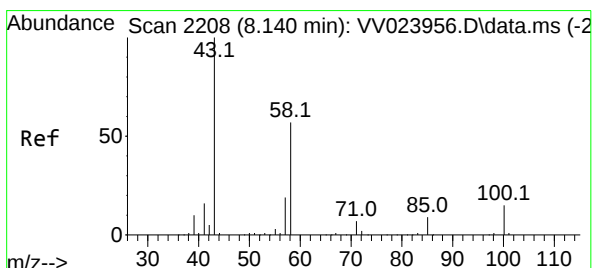
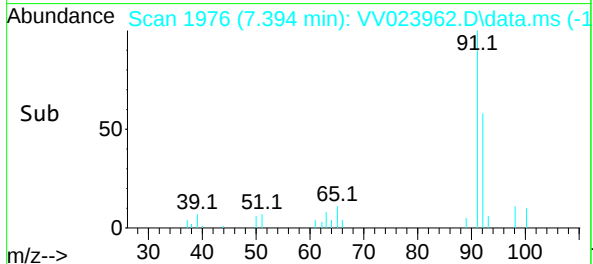
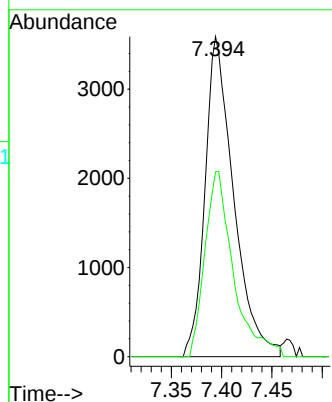
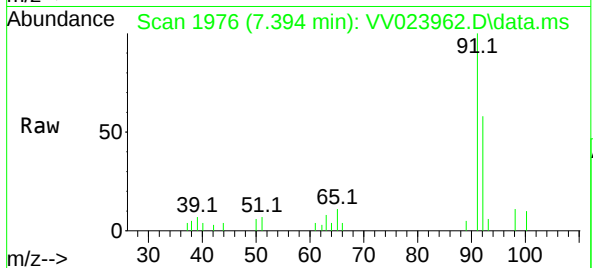
EW216

Tgt Ion: 91 Resp: 7094

Ion Ratio Lower Upper

91 100

92 57.8 41.5 77.1



#48

2-Hexanone

Concen: 1.463 ug/L

RT: 8.140 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VV023962.D

Acq: 14 Dec 2021 12:57

Tgt Ion: 43 Resp: 3459

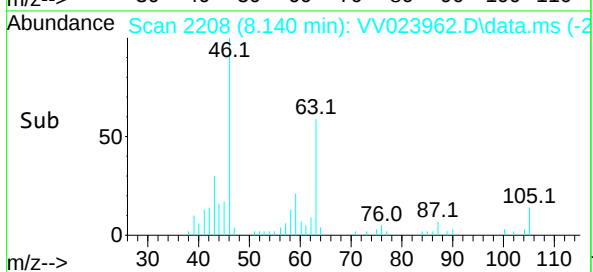
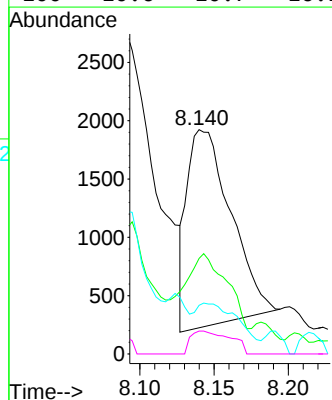
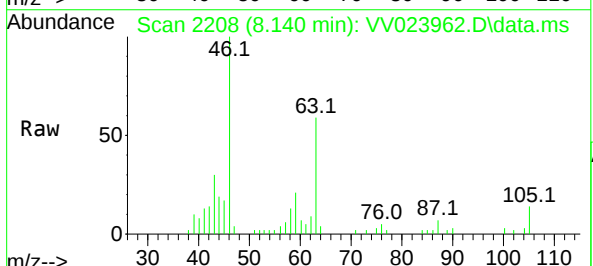
Ion Ratio Lower Upper

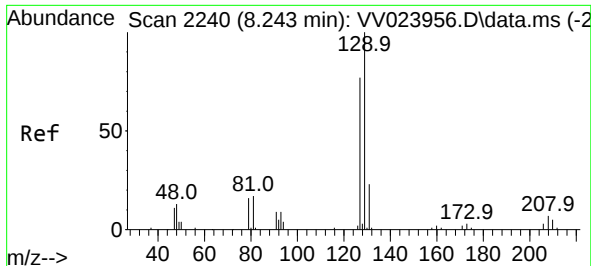
43 100

58 56.1 44.5 66.7

57 26.5 15.1 22.7#

100 10.6 10.7 16.1#





#49

Dibromochloromethane

Concen: 0.165 ug/L

RT: 8.246 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV023962.D

Acq: 14 Dec 2021 12:57

Instrument :

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ClientSampleId :

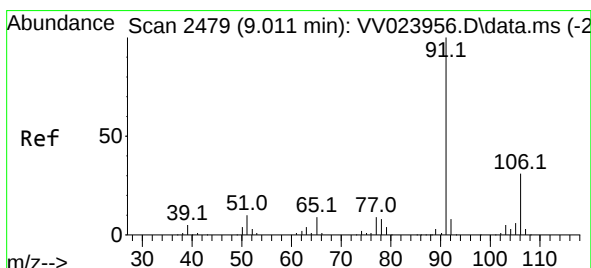
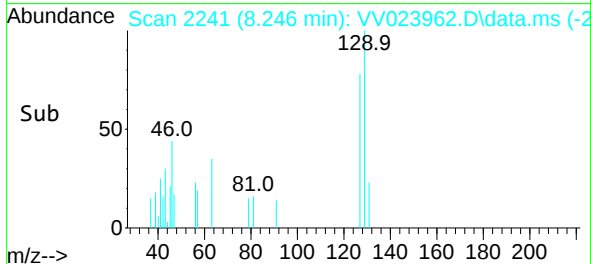
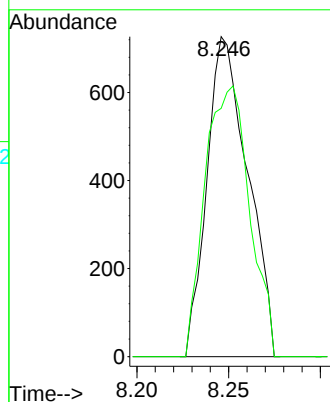
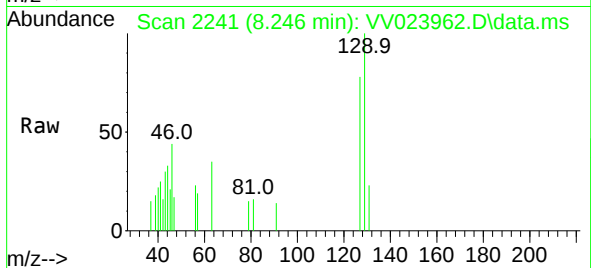
EW216

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# 2482

Delta R.T. 0.010 min

Lab File: VV023962.D

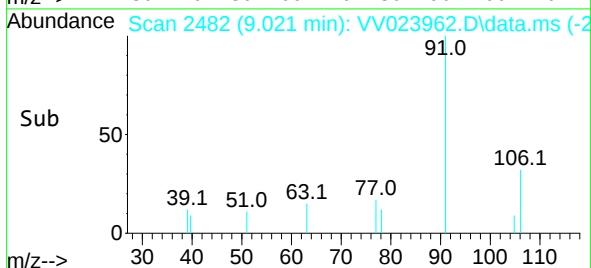
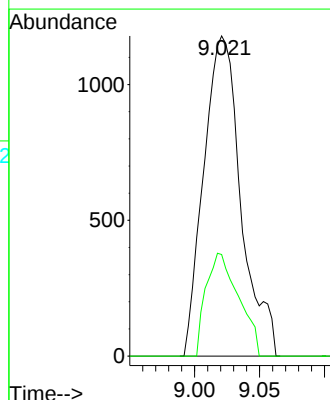
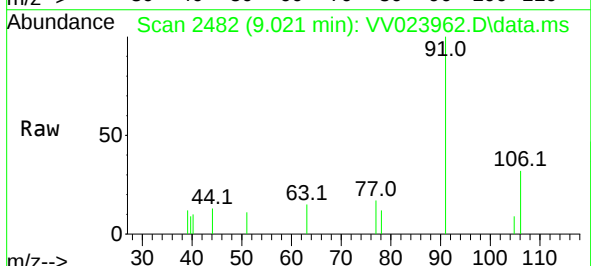
Acq: 14 Dec 2021 12:57

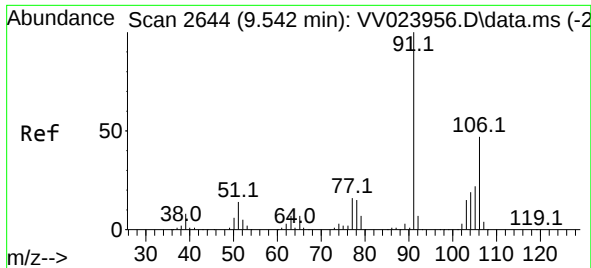
Tgt Ion: 91 Resp: 2352

Ion Ratio Lower Upper

91 100

106 31.7 22.0 41.0

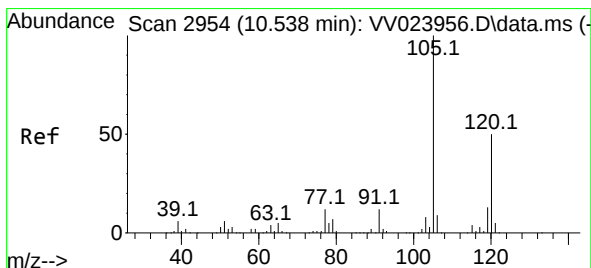
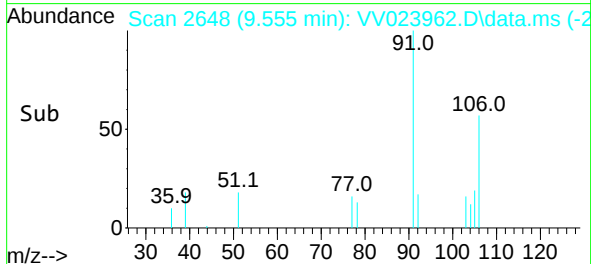
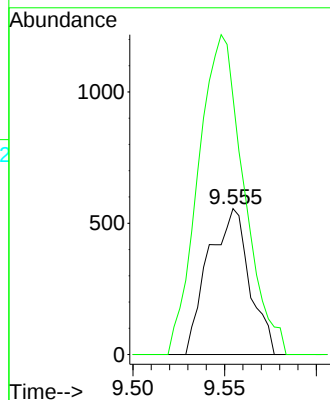
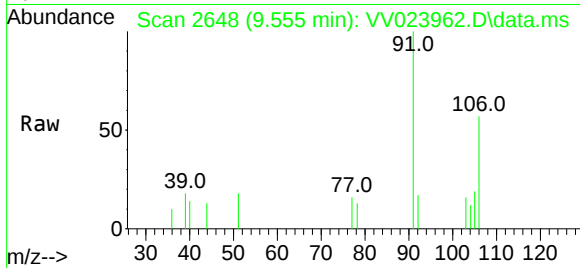




#54
o-xylene
Concen: 0.067 ug/L
RT: 9.555 min Scan# 2072
Delta R.T. 0.013 min
Lab File: VV023962.D
Acq: 14 Dec 2021 12:57

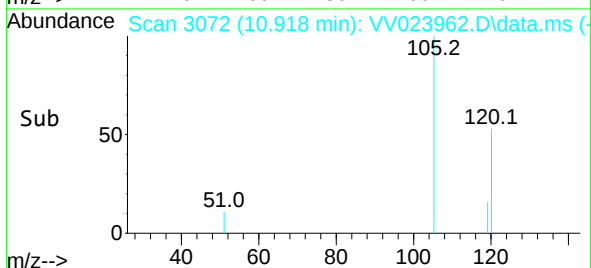
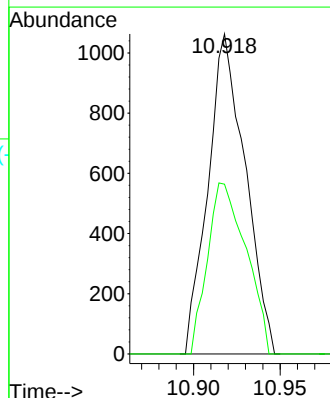
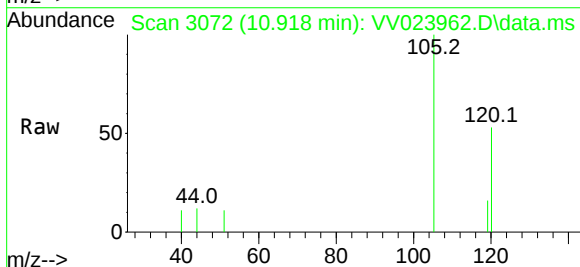
Instrument :
MSVOA_V
ClientSampleId :
EW216

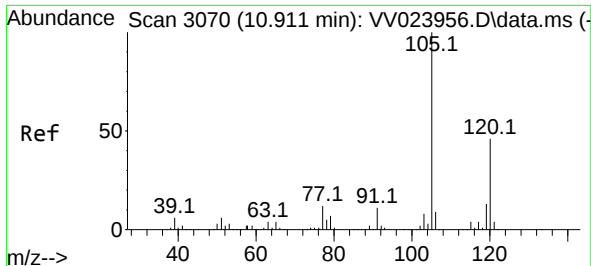
Tgt Ion:106 Resp: 863
Ion Ratio Lower Upper
106 100
91 176.3 147.9 274.7



#62
1,3,5-Trimethylbenzene
Concen: 0.068 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.380 min
Lab File: VV023962.D
Acq: 14 Dec 2021 12:57

Tgt Ion:105 Resp: 1588
Ion Ratio Lower Upper
105 100
120 55.4 40.1 60.1

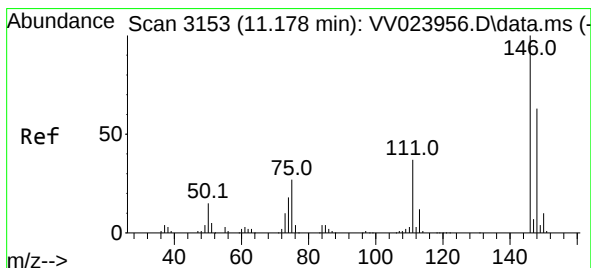
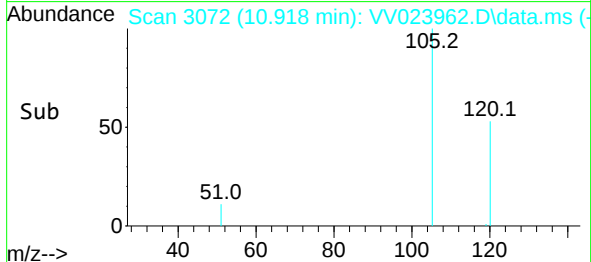
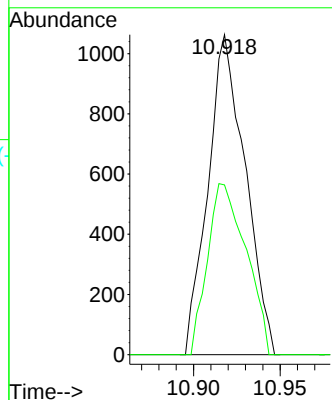
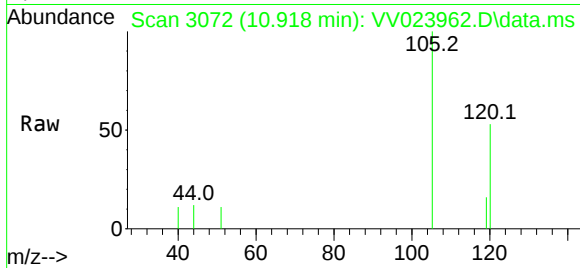




#63
1,2,4-Trimethylbenzene
Concen: 0.068 ug/L
RT: 10.918 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VV023962.D
Acq: 14 Dec 2021 12:57

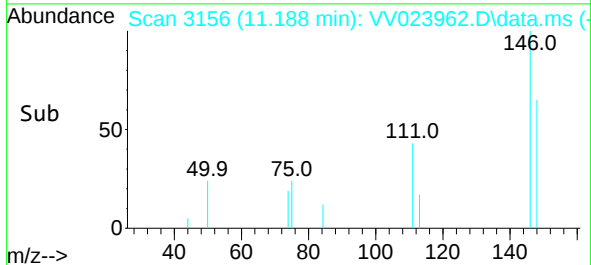
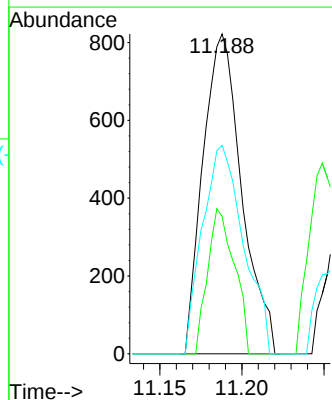
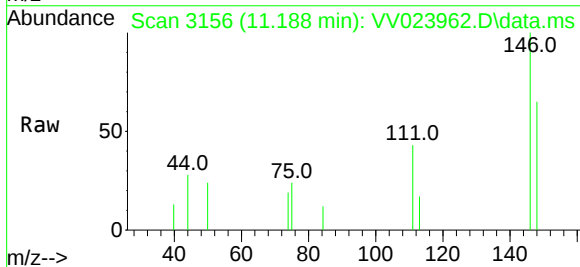
Instrument :
MSVOA_V
ClientSampleId :
EW216

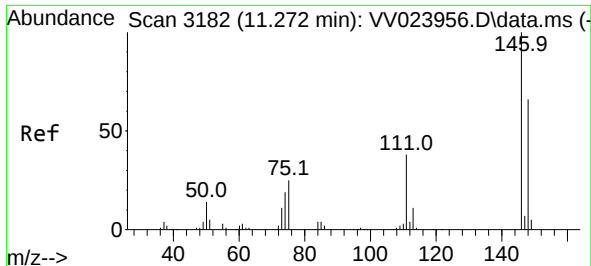
Tgt Ion:105 Resp: 1588
Ion Ratio Lower Upper
105 100
120 55.4 36.7 55.1#



#64
1,3-Dichlorobenzene
Concen: 0.094 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.010 min
Lab File: VV023962.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

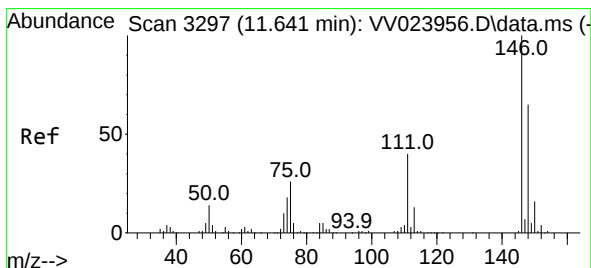
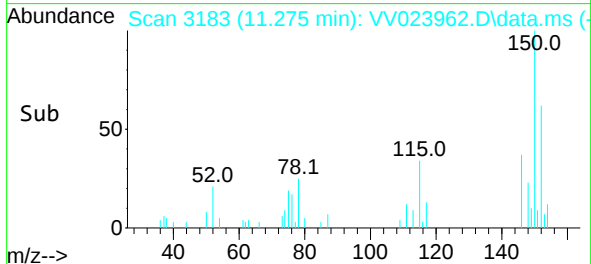
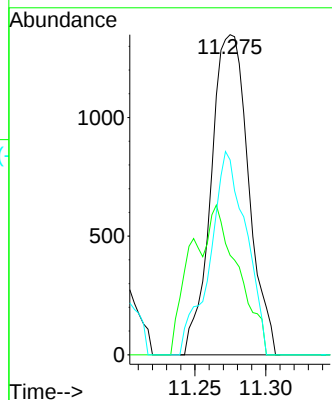
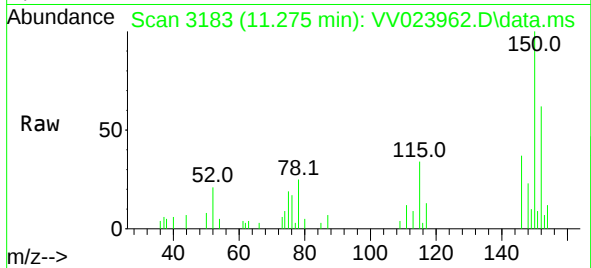




#65
1,4-Dichlorobenzene
Concen: 0.172 ug/L
RT: 11.275 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV023962.D
Acq: 14 Dec 2021 12:57

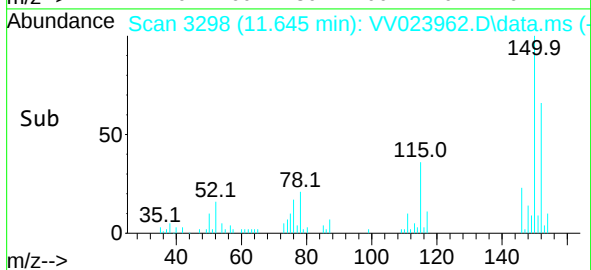
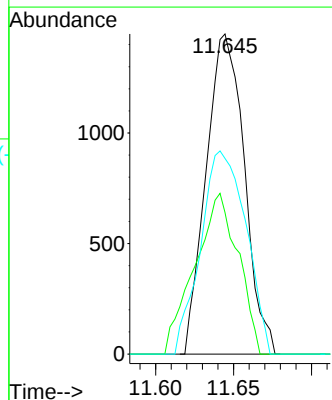
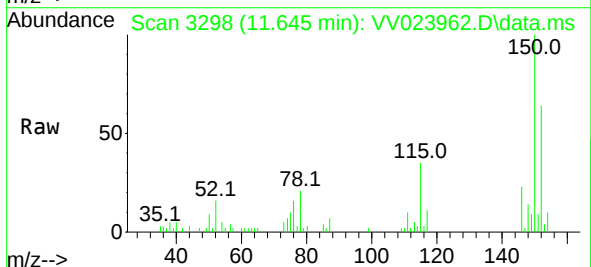
Instrument :
MSVOA_V
ClientSampleId :
EW216

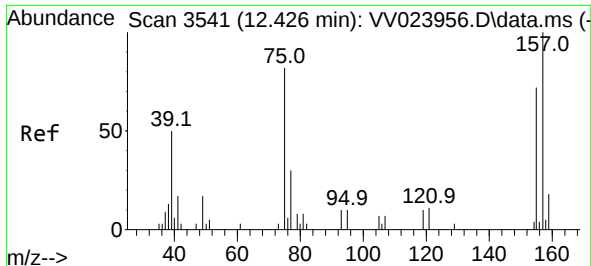
Tgt Ion:146 Resp: 2481
Ion Ratio Lower Upper
146 100
111 31.1 25.6 47.6
148 60.9 44.8 83.2



#67
1,2-Dichlorobenzene
Concen: 0.187 ug/L
RT: 11.645 min Scan# 3298
Delta R.T. 0.003 min
Lab File: VV023962.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

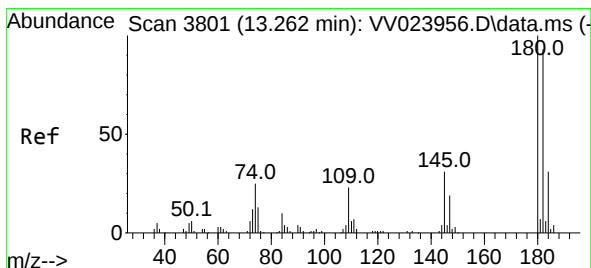
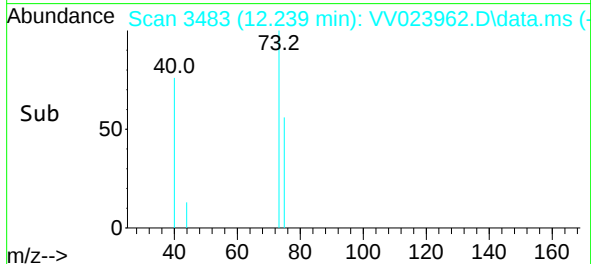
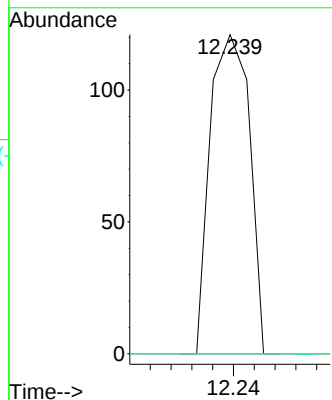
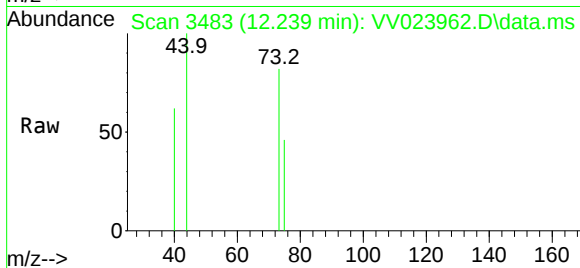




#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.088 ug/L
 RT: 12.239 min Scan# 3483
 Delta R.T. -0.193 min
 Lab File: VV023962.D
 Acq: 14 Dec 2021 12:57

Instrument :
 MSVOA_V
 ClientSampleId :
 EW216

Tgt Ion: 75 Resp: 63
 Ion Ratio Lower Upper
 75 100
 155 0.0 71.7 107.5#
 157 0.0 103.3 154.9#



#70
 1,2,4-trichlorobenzene
 Concen: 0.055 ug/L
 RT: 13.271 min Scan# 3804
 Delta R.T. 0.010 min
 Lab File: VV023962.D
 Acq: 14 Dec 2021 12:57

Tgt Ion: 180 Resp: 509
 Ion Ratio Lower Upper
 180 100
 182 99.6 74.4 111.6
 145 32.4 23.3 34.9

