

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
 Data File : VW021550.D
 Acq On : 22 Dec 2021 02:17
 Operator : SY/VA
 Sample : M5194-17
 Misc : 6.82g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 22 03:53:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 22 02:57:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	89082	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	89969	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	51301	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	24028	14.810	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.240%
7) Chloroethane-d5	2.892	69	18120	16.894	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.560%
11) 1,1-Dichloroethene-d2	4.019	63	33704	15.582	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.320%
21) 2-Butanone-d5	7.080	46	11463	50.123	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.240%
24) Chloroform-d	7.647	84	56694	22.837	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.360%
26) 1,2-Dichloroethane-d4	8.305	65	31695	24.002	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	8.275	84	106155	21.526	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.120%
36) 1,2-Dichloropropane-d6	9.275	67	30876	23.345	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.400%
41) Toluene-d8	10.323	98	108522	21.538	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.160%
43) trans-1,3-Dichloroprop...	10.579	79	12484	20.500	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.000%
47) 2-Hexanone-d5	10.927	63	8656	44.260	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.520%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	23364	20.550	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.200%
66) 1,2-Dichlorobenzene-d4	13.853	152	41776	21.012	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.040%
Target Compounds						Qvalue
13) Acetone	4.123	43	2833	13.818	ug/L	93
20) cis-1,2-Dichloroethene	7.171	96	1095	0.868	ug/L	69
33) Benzene	8.324	78	25184	5.138	ug/L	100
37) 1,2-Dichloropropane	9.275	63	4206	3.847	ug/L #	88
39) cis-1,3-Dichloropropene	10.037	75	1116	0.648	ug/L #	27
42) Toluene	10.390	91	31695	5.529	ug/L	95
48) 2-Hexanone	10.933	43	1827	4.229	ug/L #	58
52) Ethylbenzene	11.731	91	3582673	546.948	ug/L	96
53) m,p-Xylene	11.835	106	4159495	1574.103	ug/L	79
54) o-Xylene	12.164	106	1059046	422.301	ug/L	95
55) Styrene	12.164	104	53048	12.429	ug/L #	1
60) Isopropylbenzene	12.463	105	28221	4.048	ug/L	96
62) 1,3,5-Trimethylbenzene	12.945	105	145187	24.476	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	484100	82.731	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.487	75	2168	14.078	ug/L #	10
71) Naphthalene	15.365	128	992206	308.970	ug/L	99

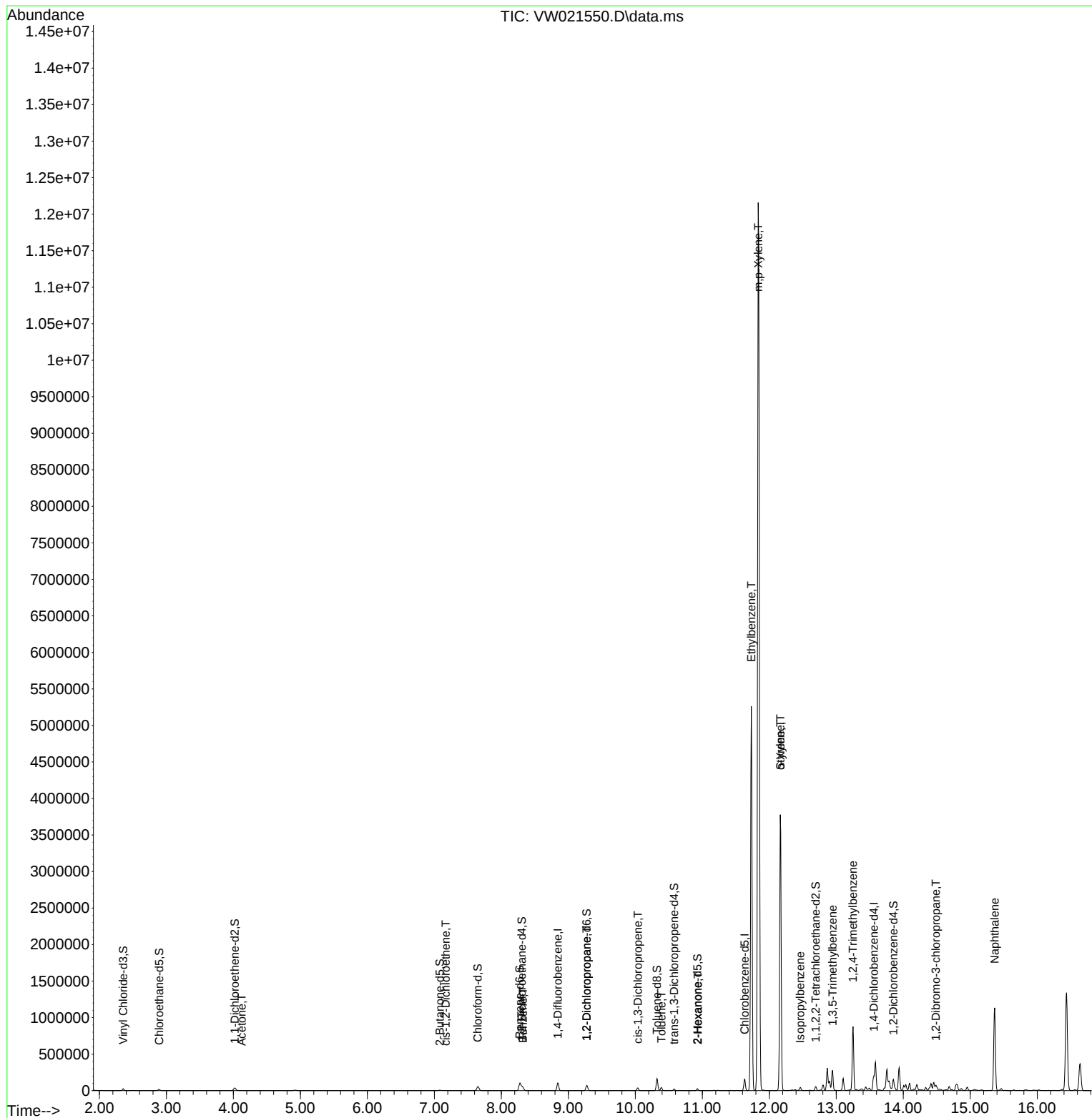
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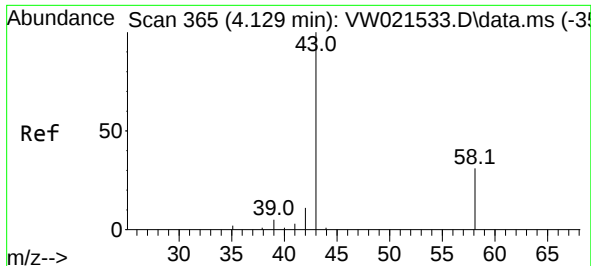
Instrument :
MSVOA_W
ClientSampleId :

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Quant Title : SFAM01.0
QLast Update : Wed Dec 22 02:57:00 2021
Response via : Initial Calibration

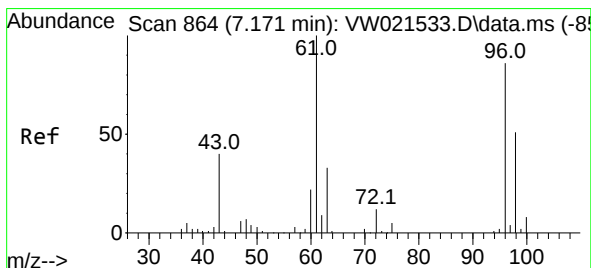
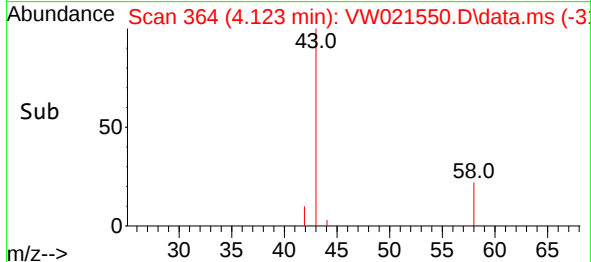
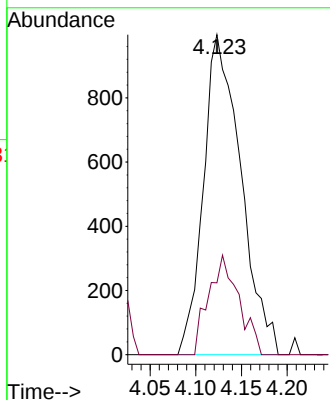
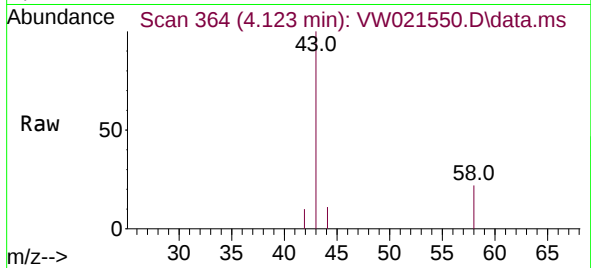




#13
Acetone
Concen: 13.818 ug/L
RT: 4.123 min Scan# 365
Delta R.T. -0.006 min
Lab File: VW021550.D
Acq: 22 Dec 2021 02:17

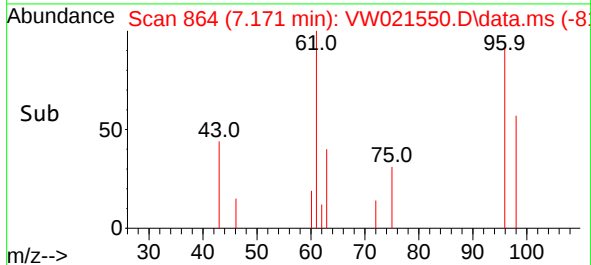
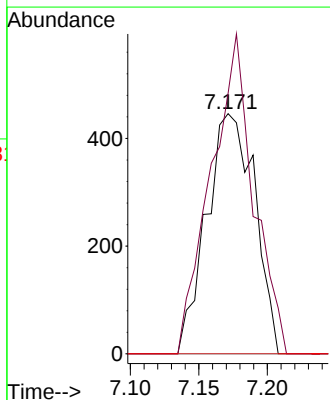
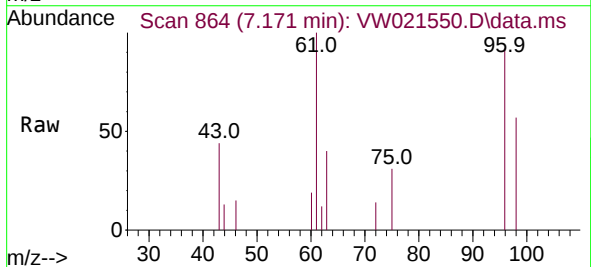
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MSVOA_W
ClientSampleId :

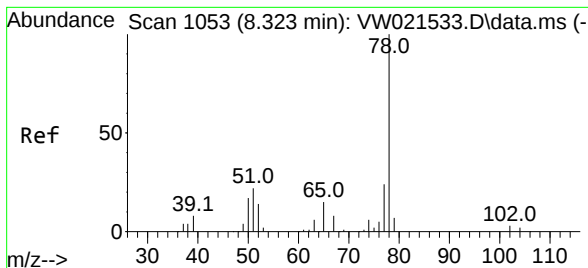
Tgt Ion: 43 Resp: 2833
Ion Ratio Lower Upper
43 100
58 22.8 0.0 52.8



#20
cis-1,2-Dichloroethene
Concen: 0.868 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW021550.D
Acq: 22 Dec 2021 02:17

Tgt Ion: 96 Resp: 1095
Ion Ratio Lower Upper
96 100
61 108.5 103.7 192.7
68 0.0 0.0 0.0





#33

Benzene

Concen: 5.138 ug/L

RT: 8.324 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VW021550.D

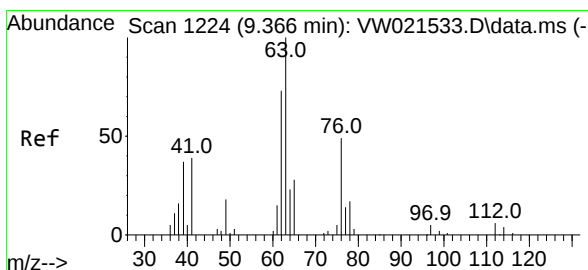
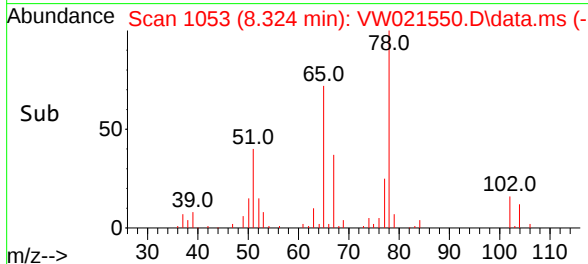
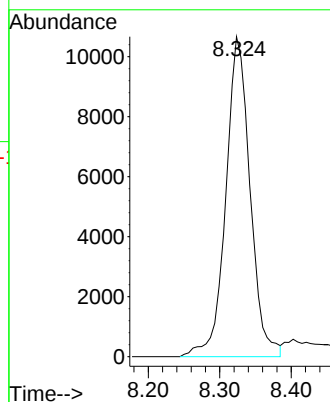
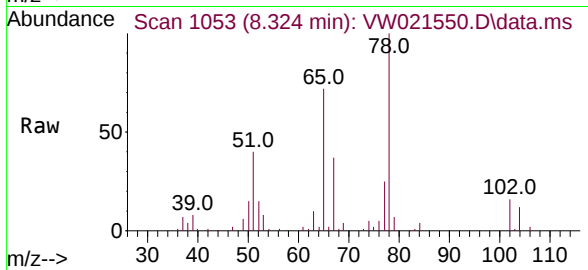
Acq: 22 Dec 2021 02:17

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 25184



#37

1,2-Dichloropropane

Concen: 3.847 ug/L

RT: 9.275 min Scan# 1209

Delta R.T. -0.091 min

Lab File: VW021550.D

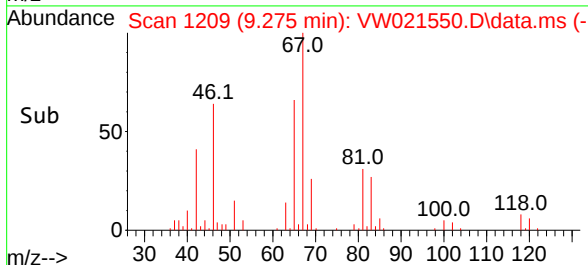
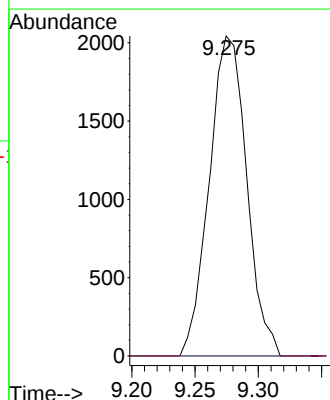
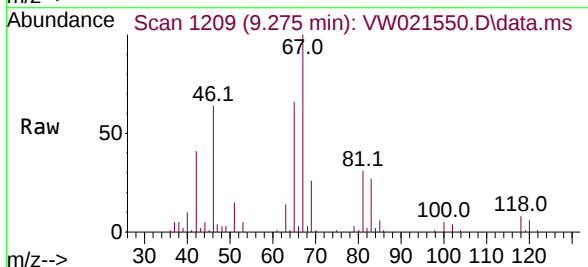
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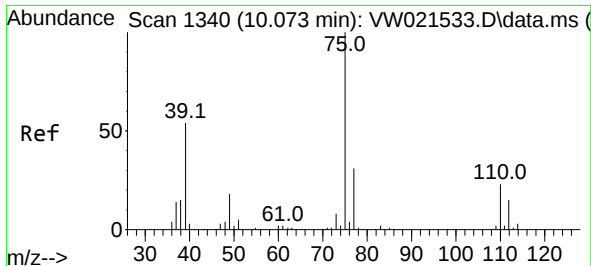
Tgt Ion: 63 Resp: 4206

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.648 ug/L

RT: 10.037 min Scan# 1116

Delta R.T. -0.036 min

Lab File: VW021550.D

Acq: 22 Dec 2021 02:17

Instrument :

MSVOA_W

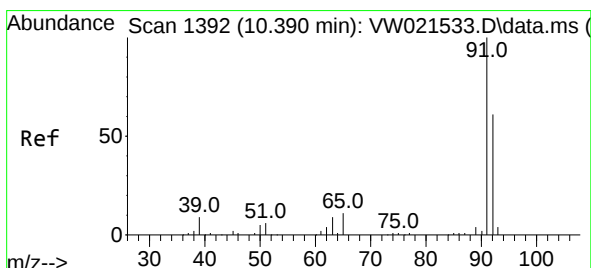
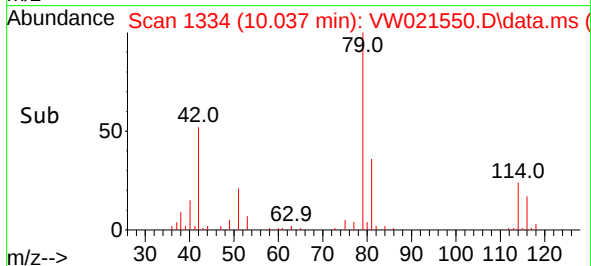
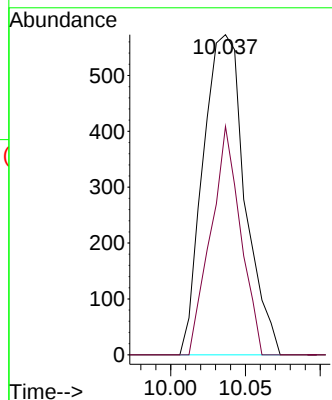
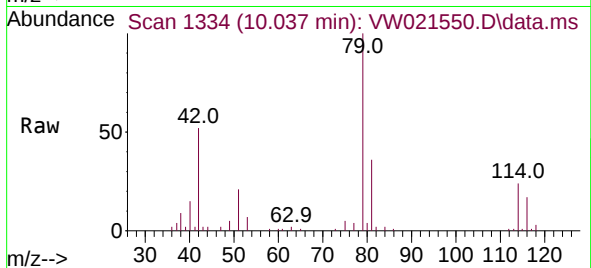
ClientSampleId :

Tgt Ion: 75 Resp: 1116

Ion Ratio Lower Upper

75 100

77 71.4 21.8 40.6#



#42

Toluene

Concen: 5.529 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VW021550.D

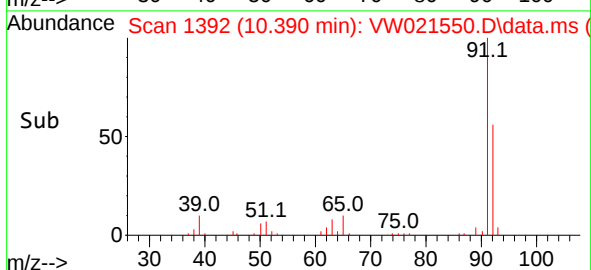
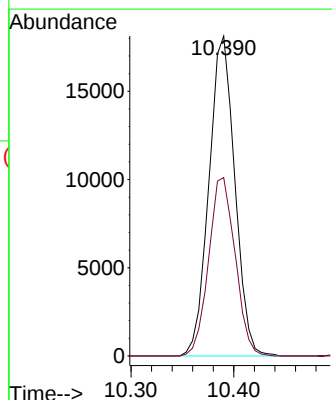
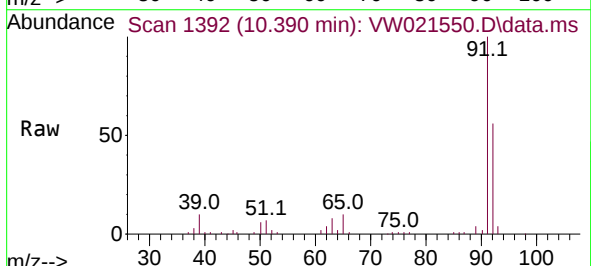
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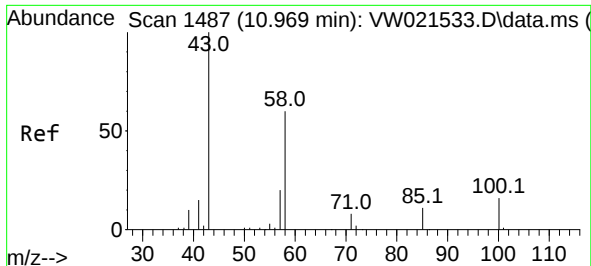
Tgt Ion: 91 Resp: 31695

Ion Ratio Lower Upper

91 100

92 55.7 41.7 77.5

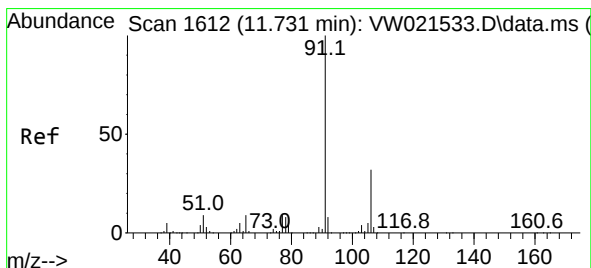
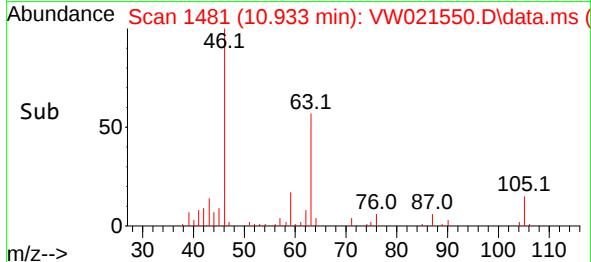
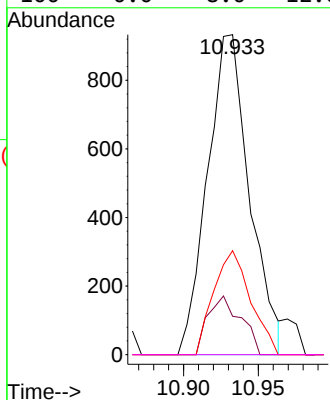
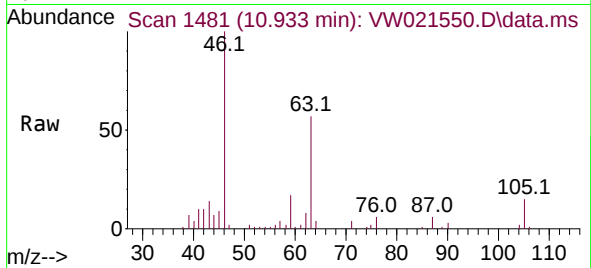




#48
2-Hexanone
Concen: 4.229 ug/L
RT: 10.933 min Scan# 1487
Delta R.T. -0.036 min
Lab File: VW021550.D
Acq: 22 Dec 2021 02:17

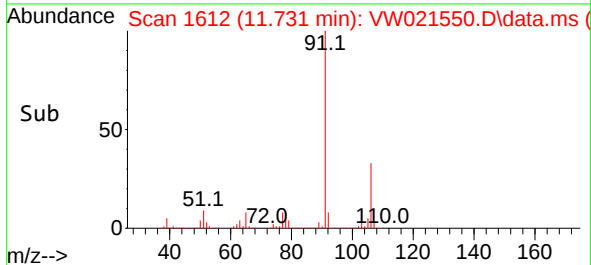
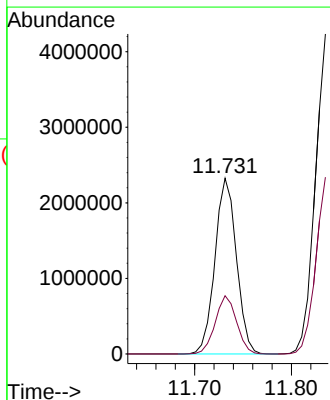
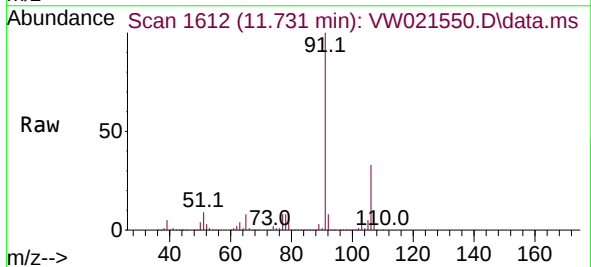
Instrument :
MSVOA_W
ClientSampleId :

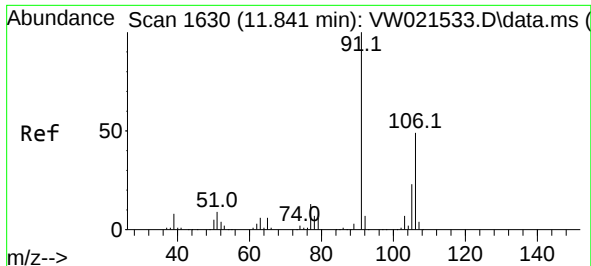
Tgt Ion: 43	Resp: 1827
Ion Ratio	Lower Upper
43 100	
58 14.4	40.2 60.2#
57 28.5	14.3 21.5#
100 0.0	8.0 12.0#



#52
Ethylbenzene
Concen: 546.948 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW021550.D
Acq: 22 Dec 2021 02:17

Tgt Ion: 91	Resp: 3582673		
Ion	Ratio	Lower	Upper
91	100		
106	33.1	21.5	39.9

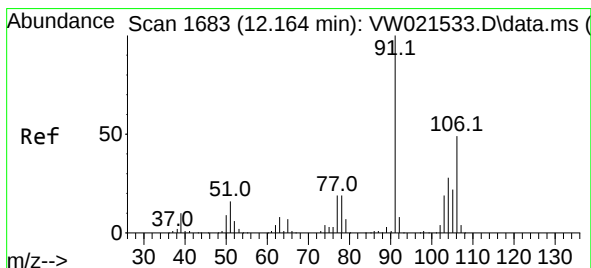
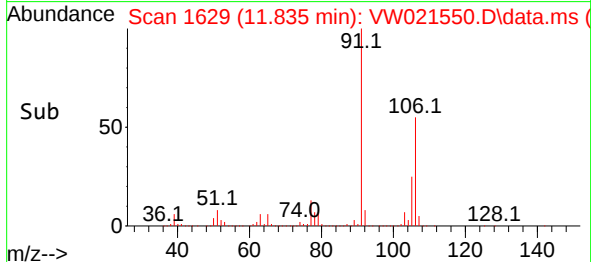
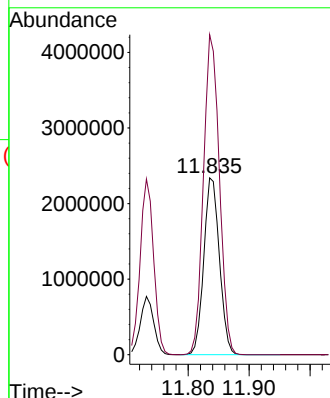
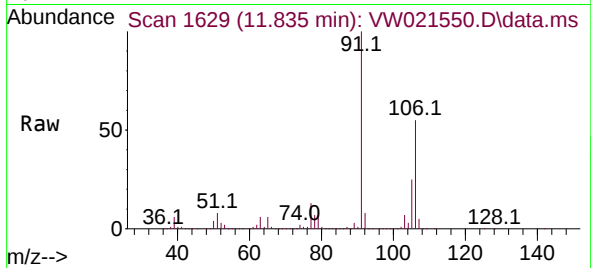




#53
m,p-Xylene
Concen: 1574.103 ug/L
RT: 11.835 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW021550.D
Acq: 22 Dec 2021 02:17

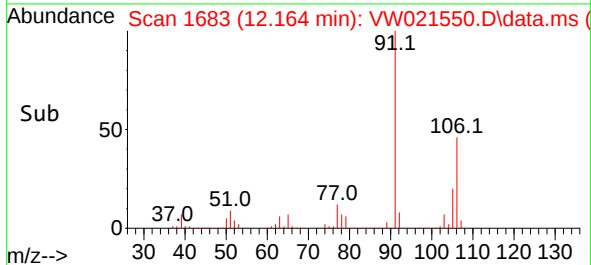
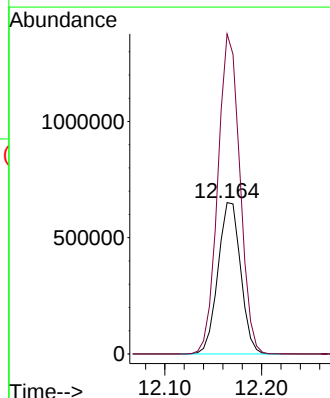
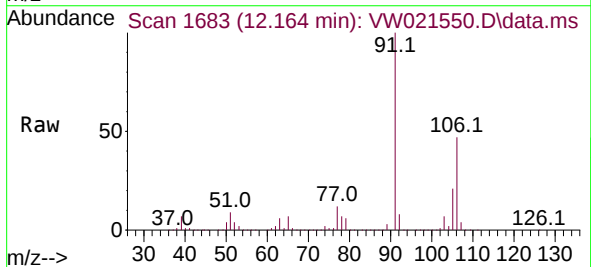
Instrument :
MSVOA_W
ClientSampleId :

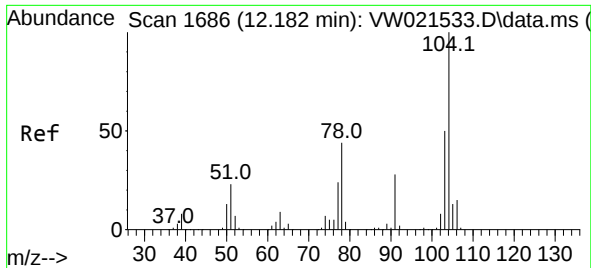
Tgt Ion:106 Resp: 4159495
Ion Ratio Lower Upper
106 100
91 181.0 149.9 278.3



#54
o-Xylene
Concen: 422.301 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW021550.D
Acq: 22 Dec 2021 02:17

Tgt Ion:106 Resp: 1059046
Ion Ratio Lower Upper
106 100
91 211.3 153.6 285.3

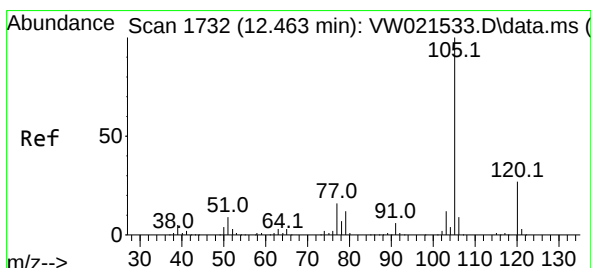
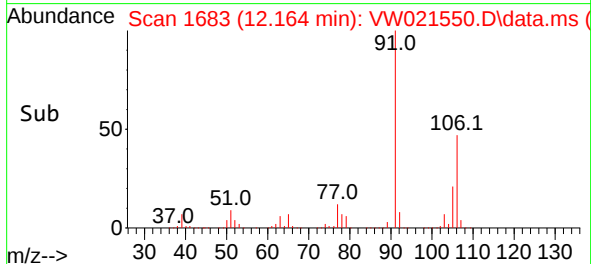
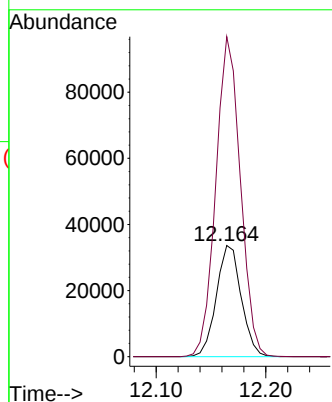
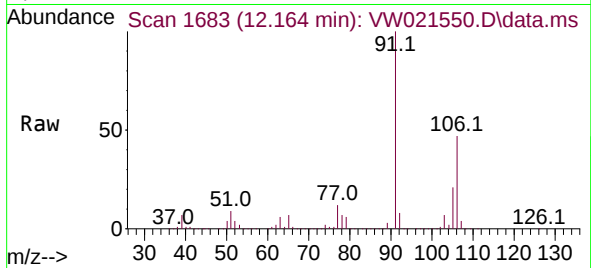




#55
Styrene
Concen: 12.429 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.018 min
Lab File: VW021550.D
Acq: 22 Dec 2021 02:17

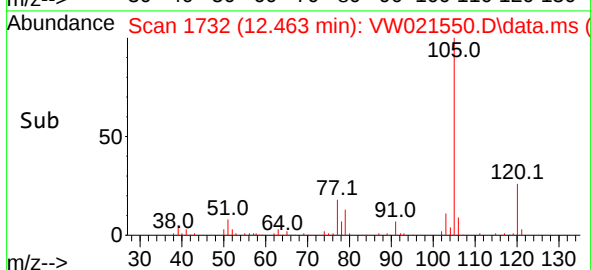
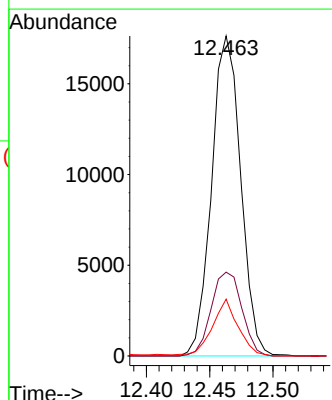
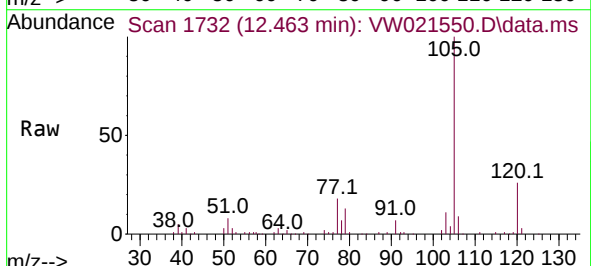
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MSVOA_W
ClientSampleId :

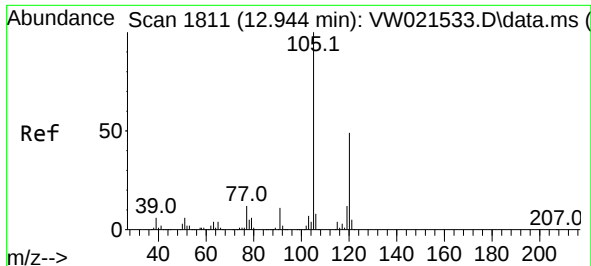
Tgt Ion:104 Resp: 53048
Ion Ratio Lower Upper
104 100
78 287.9 34.4 64.0#



#60
Isopropylbenzene
Concen: 4.048 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW021550.D
Acq: 22 Dec 2021 02:17

Tgt Ion:105 Resp: 28221
Ion Ratio Lower Upper
105 100
120 27.6 20.1 30.1
77 15.8 13.8 20.8





#62

1,3,5-Trimethylbenzene

Concen: 24.476 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. 0.000 min

Lab File: VW021550.D

Acq: 22 Dec 2021 02:17

Instrument :

MSVOA_W

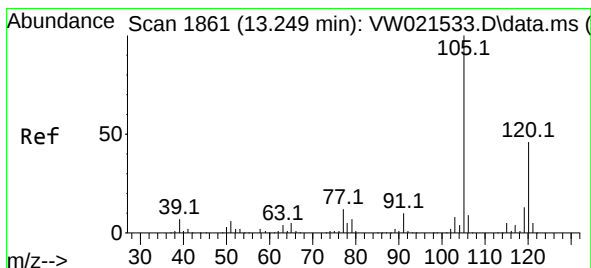
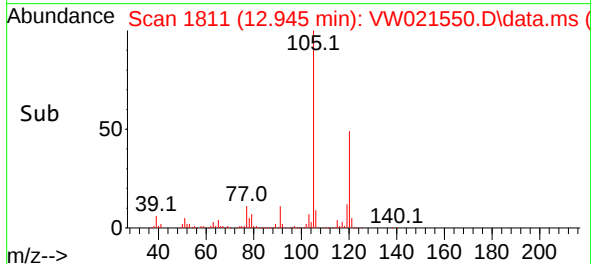
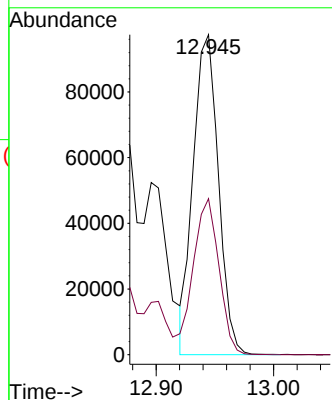
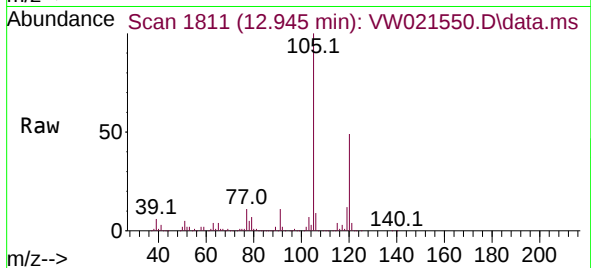
ClientSampleId :

Tgt Ion:105 Resp: 145187

Ion Ratio Lower Upper

105 100

120 50.2 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 82.731 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW021550.D

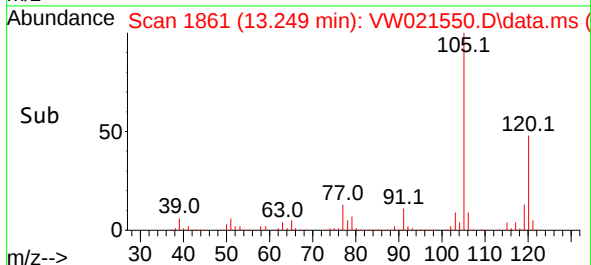
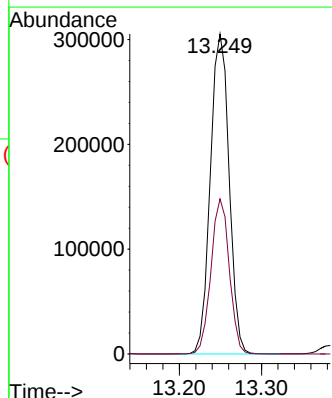
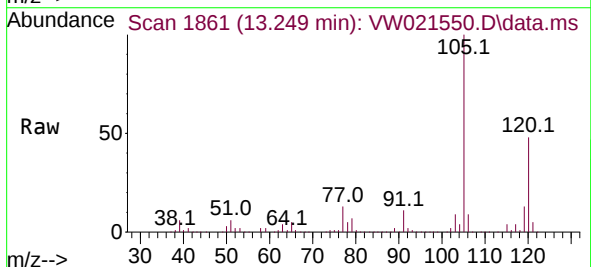
Acq: 22 Dec 2021 02:17

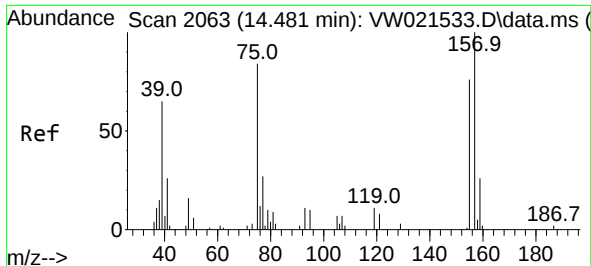
Tgt Ion:105 Resp: 484100

Ion Ratio Lower Upper

105 100

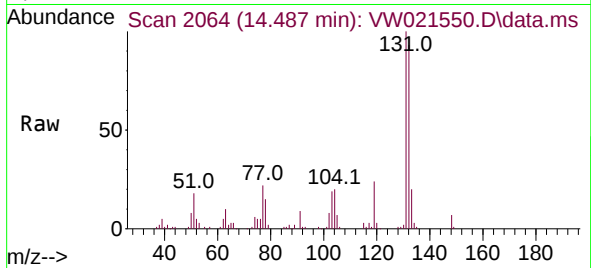
120 47.4 35.0 52.6



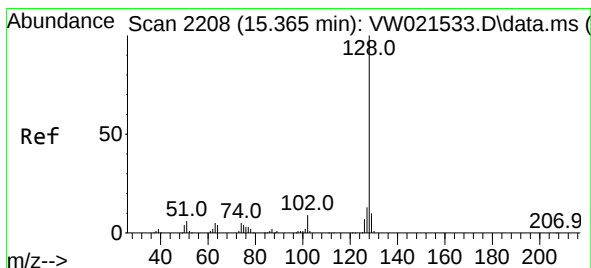
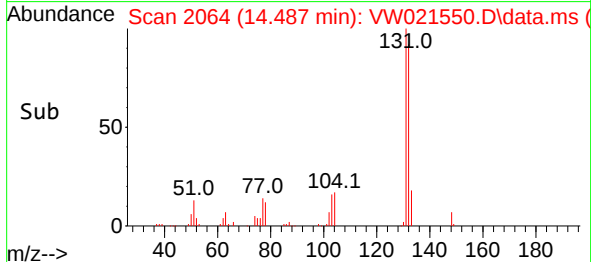
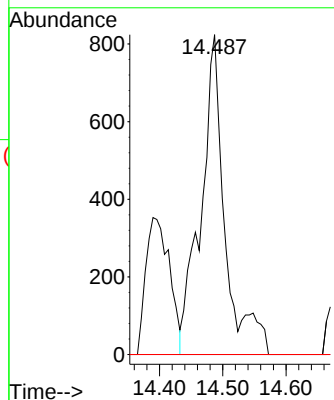


#68
1,2-Dibromo-3-chloropropane
Concen: 14.078 ug/L
RT: 14.487 min Scan# 2063
Delta R.T. 0.006 min
Lab File: VW021550.D
Acq: 22 Dec 2021 02:17

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 75 Resp: 2168
Ion Ratio Lower Upper
75 100
155 0.0 54.2 81.2#
157 0.0 69.4 104.2#



#71
Naphthalene
Concen: 308.970 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW021550.D
Acq: 22 Dec 2021 02:17

Tgt Ion: 128 Resp: 992206
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 11.1 8.6 12.8

