

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
 Data File : VW021621.D
 Acq On : 23 Dec 2021 19:05
 Operator : SY/VA
 Sample : M5174-15
 Misc : 3.49g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 24 01:46:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 24 01:43:02 2021
 Response via : Initial Calibration

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

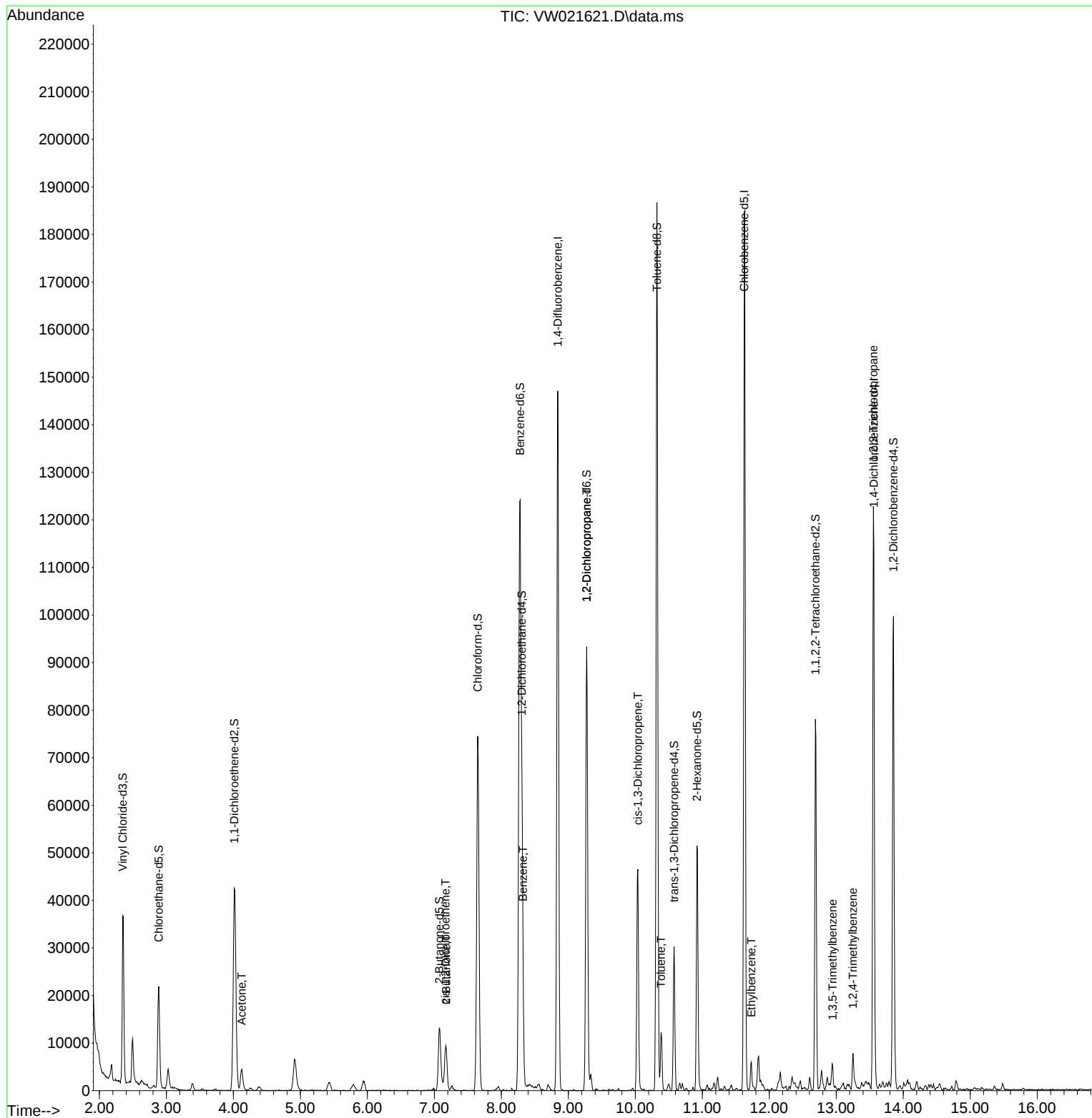
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	125791	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	102172	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	33057	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	31089	13.570	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.280%
7) Chloroethane-d5	2.885	69	24900	16.441	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.760%
11) 1,1-Dichloroethene-d2	4.013	63	40560	13.280	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.120%
21) 2-Butanone-d5	7.074	46	22162	68.626	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	137.260%#
24) Chloroform-d	7.647	84	74367	21.214	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.840%
26) 1,2-Dichloroethane-d4	8.305	65	43216	23.176	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.720%
32) Benzene-d6	8.281	84	128389	22.925	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.680%
36) 1,2-Dichloropropane-d6	9.274	67	39459	26.272	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.080%
41) Toluene-d8	10.323	98	118738	20.751	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.000%
43) trans-1,3-Dichloroprop...	10.579	79	15210	21.993	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.960%
47) 2-Hexanone-d5	10.921	63	17273	77.772	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	155.540%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	35135	27.212	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.840%
66) 1,2-Dichlorobenzene-d4	13.853	152	26304	20.532	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.120%
Target Compounds						Qvalue
13) Acetone	4.123	43	7517	25.965	ug/L	91
20) cis-1,2-Dichloroethene	7.165	96	5050	2.836	ug/L	74
22) 2-Butanone	7.177	43	2261	5.980	ug/L	82
33) Benzene	8.323	78	4025	0.723	ug/L	100
37) 1,2-Dichloropropane	9.274	63	5060	4.076	ug/L	# 88
39) cis-1,3-Dichloropropene	10.037	75	1449	0.740	ug/L	# 70
42) Toluene	10.384	91	9095	1.397	ug/L	100
52) Ethylbenzene	11.731	91	4088	0.550	ug/L	96
61) 1,2,3-Trichloropropane	13.554	75	3981	8.275	ug/L	# 63
62) 1,3,5-Trimethylbenzene	12.945	105	1983	0.519	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	4608	1.222	ug/L	96

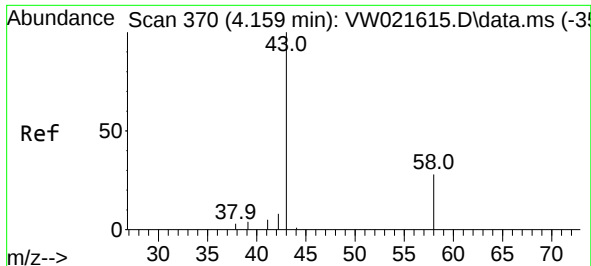
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

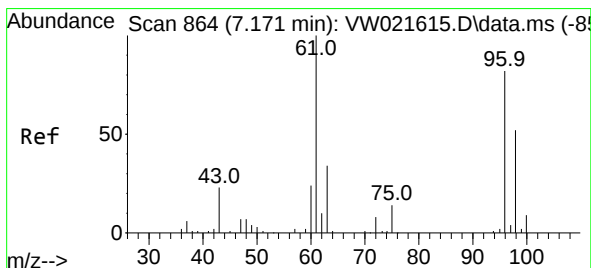
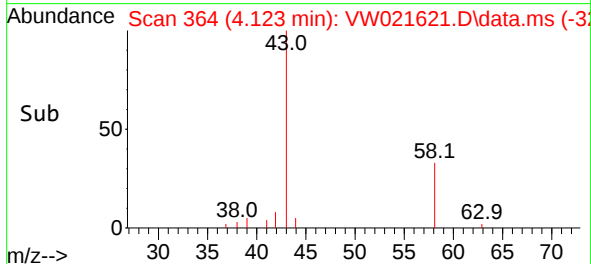
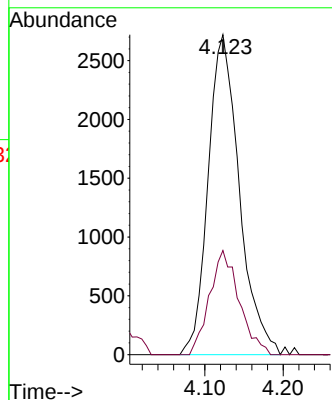
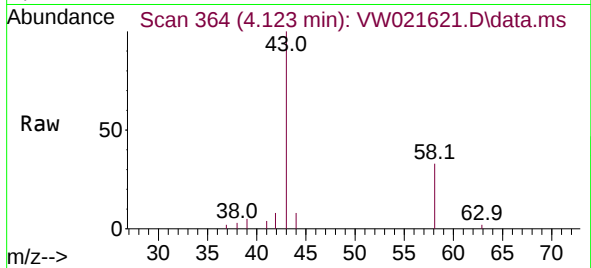




#13
 Acetone
 Concen: 25.965 ug/L
 RT: 4.123 min Scan# 30
 Delta R.T. -0.036 min
 Lab File: VW021621.D
 Acq: 23 Dec 2021 19:05

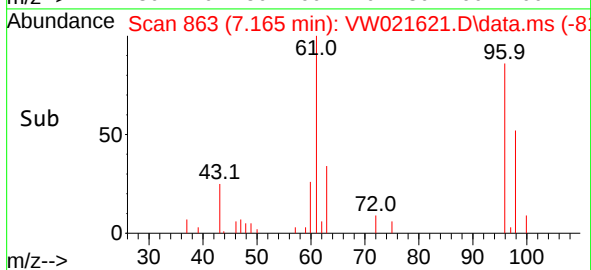
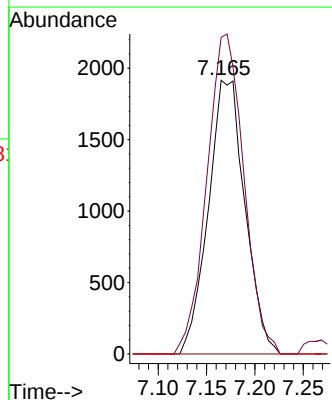
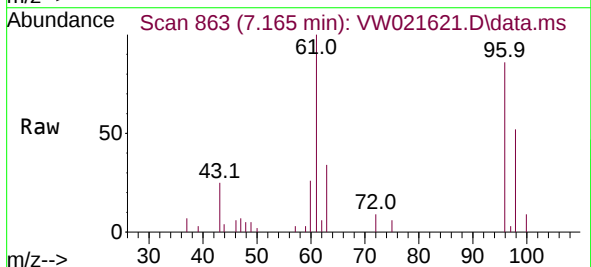
Instrument :
 MSVOA_W
 ClientSampleId :

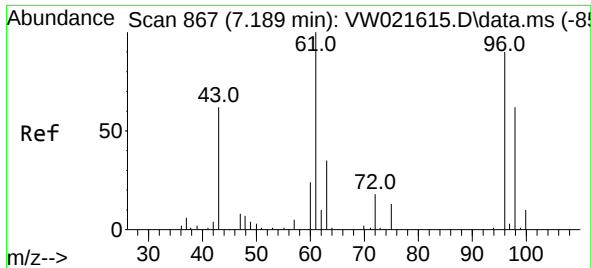
Tgt Ion: 43 Resp: 7517
 Ion Ratio Lower Upper
 43 100
 58 30.9 0.0 52.8



#20
 cis-1,2-Dichloroethene
 Concen: 2.836 ug/L
 RT: 7.165 min Scan# 863
 Delta R.T. -0.006 min
 Lab File: VW021621.D
 Acq: 23 Dec 2021 19:05

Tgt Ion: 96 Resp: 5050
 Ion Ratio Lower Upper
 96 100
 61 115.7 103.7 192.7
 68 0.0 0.0 0.0

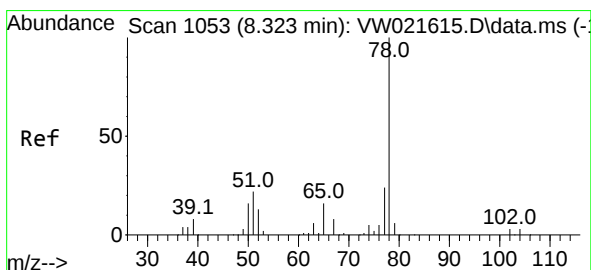
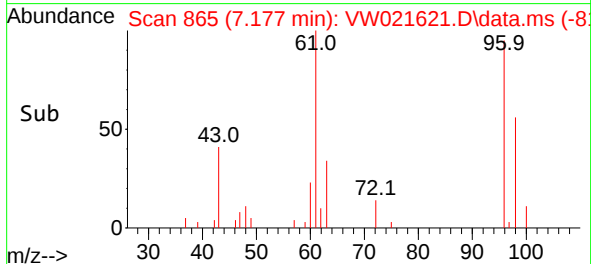
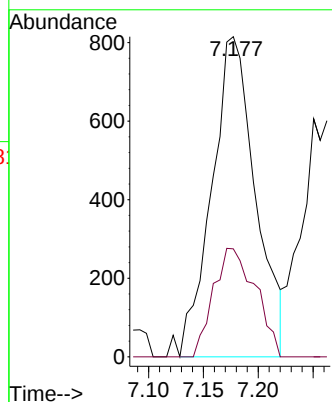
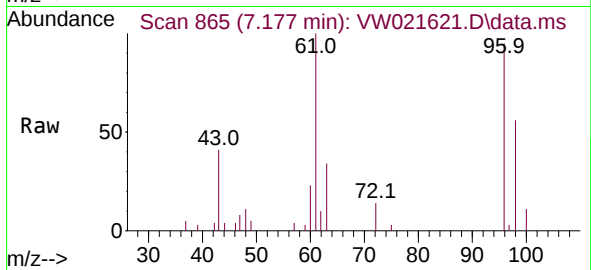




#22
2-Butanone
Concen: 5.980 ug/L
RT: 7.177 min Scan# 865
Delta R.T. -0.012 min
Lab File: VW021621.D
Acq: 23 Dec 2021 19:05

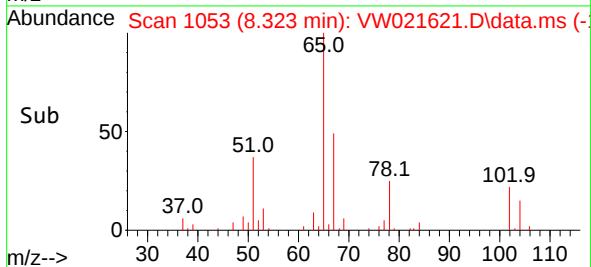
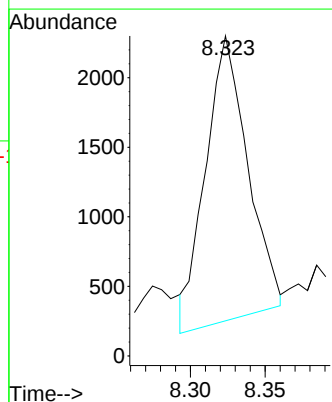
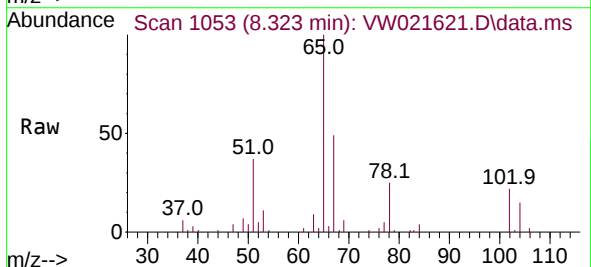
Instrument :
MSVOA_W
ClientSampleId :

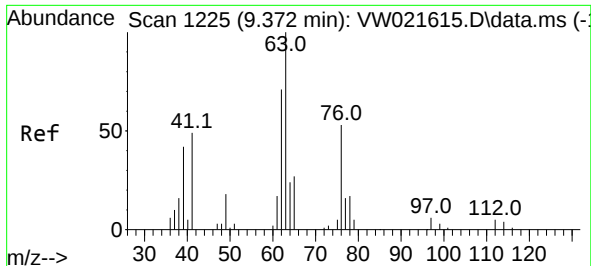
Tgt Ion: 43 Resp: 2261
Ion Ratio Lower Upper
43 100
72 32.6 11.8 35.4



#33
Benzene
Concen: 0.723 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW021621.D
Acq: 23 Dec 2021 19:05

Tgt Ion: 78 Resp: 4025





#37

1,2-Dichloropropane

Concen: 4.076 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.097 min

Lab File: VW021621.D

Acq: 23 Dec 2021 19:05

Instrument :

MSVOA_W

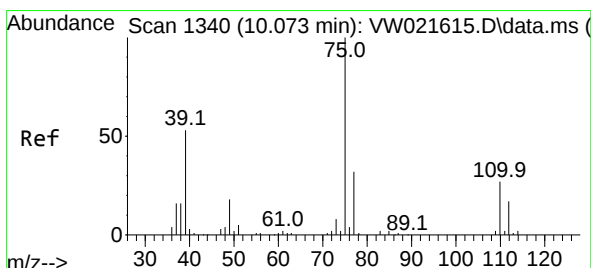
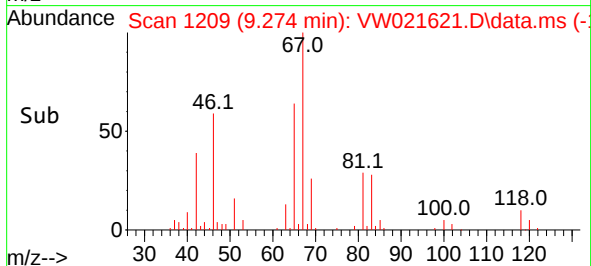
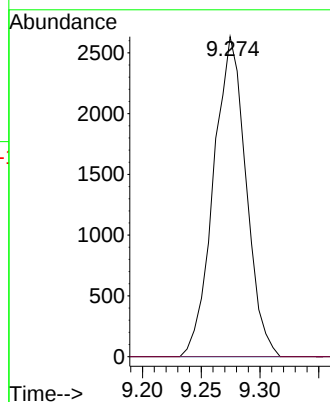
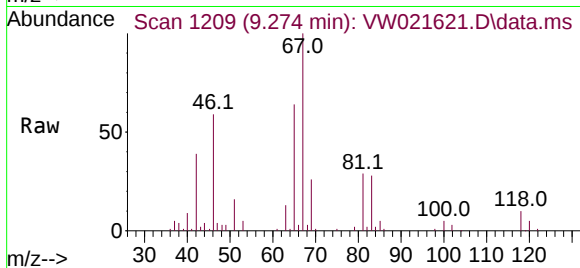
ClientSampleId :

Tgt Ion: 63 Resp: 5060

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.740 ug/L

RT: 10.037 min Scan# 1334

Delta R.T. -0.036 min

Lab File: VW021621.D

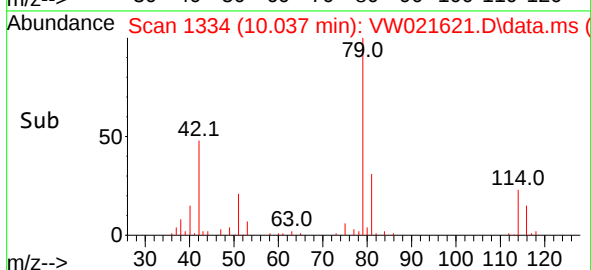
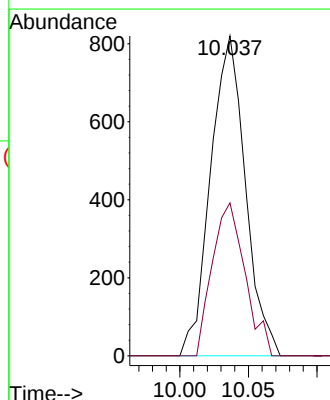
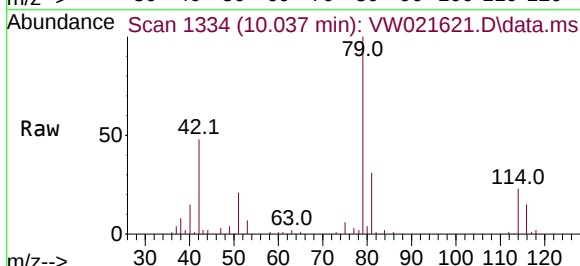
Acq: 23 Dec 2021 19:05

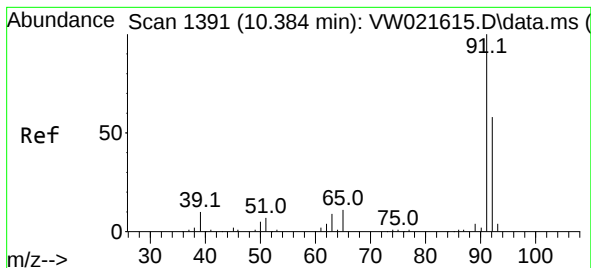
Tgt Ion: 75 Resp: 1449

Ion Ratio Lower Upper

75 100

77 47.8 21.8 40.6#





#42

Toluene

Concen: 1.397 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VW021621.D

Acq: 23 Dec 2021 19:05

Instrument :

MSVOA_W

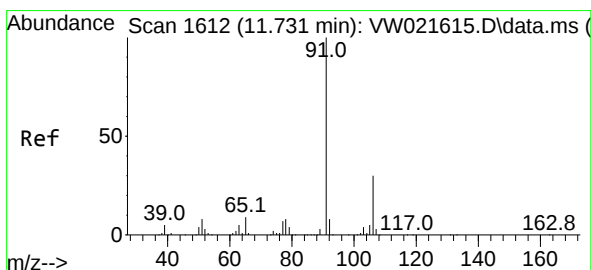
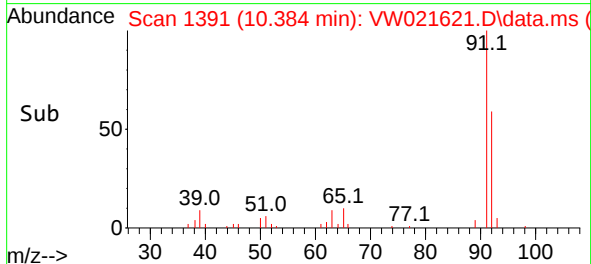
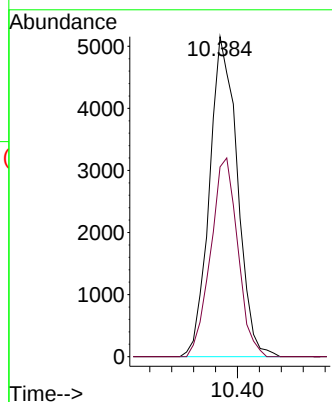
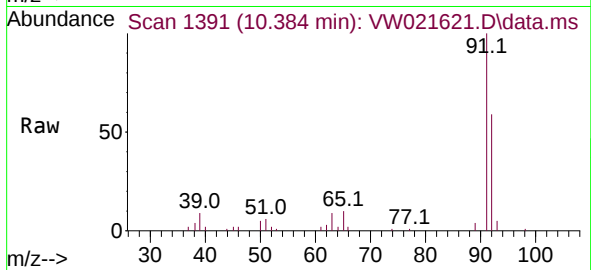
ClientSampleId :

Tgt Ion: 91 Resp: 9095

Ion Ratio Lower Upper

91 100

92 59.3 41.7 77.5



#52

Ethylbenzene

Concen: 0.550 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. 0.000 min

Lab File: VW021621.D

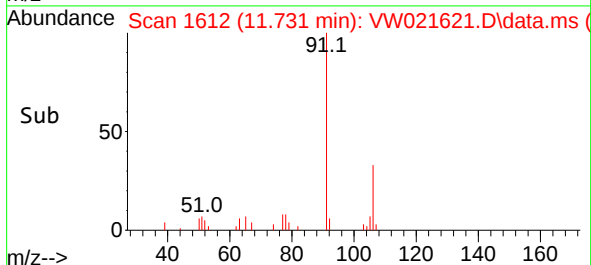
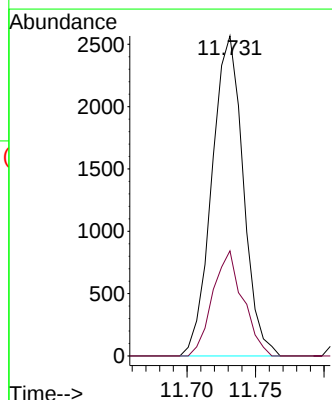
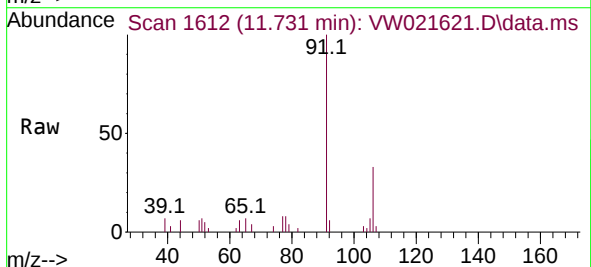
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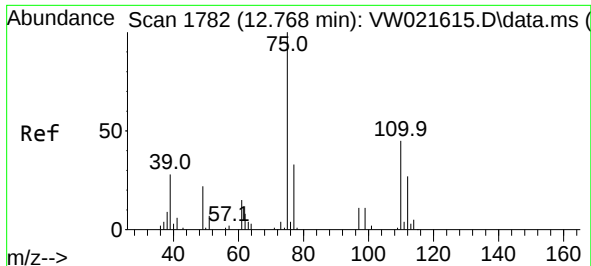
Tgt Ion: 91 Resp: 4088

Ion Ratio Lower Upper

91 100

106 32.8 21.5 39.9





#61

1,2,3-Trichloropropane

Concen: 8.275 ug/L

RT: 13.554 min Scan# 1911

Delta R.T. 0.787 min

Lab File: VW021621.D

Acq: 23 Dec 2021 19:05

Instrument :

MSVOA_W

ClientSampleId :

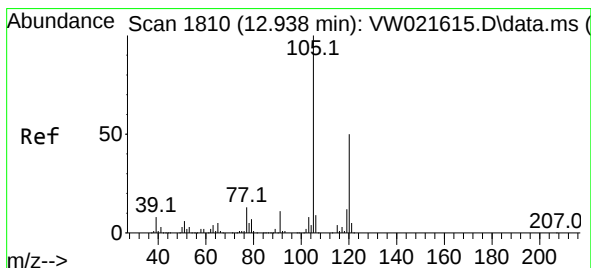
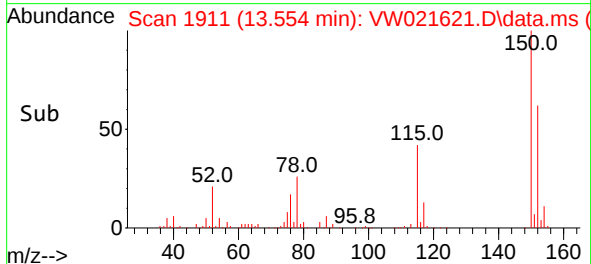
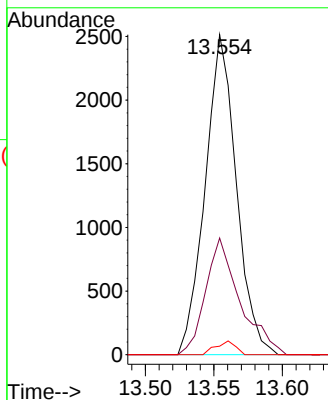
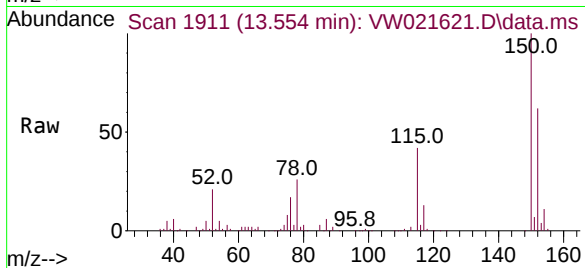
Tgt Ion: 75 Resp: 3981

Ion Ratio Lower Upper

75 100

77 40.1 25.8 38.8#

110 2.7 29.0 43.4#



#62

1,3,5-Trimethylbenzene

Concen: 0.519 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW021621.D

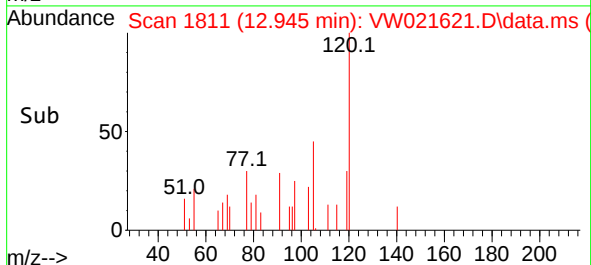
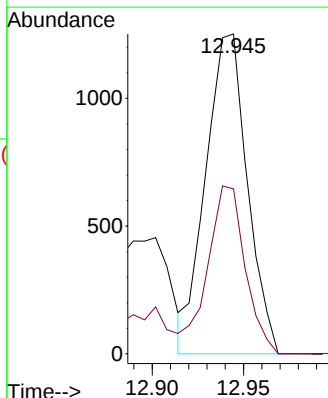
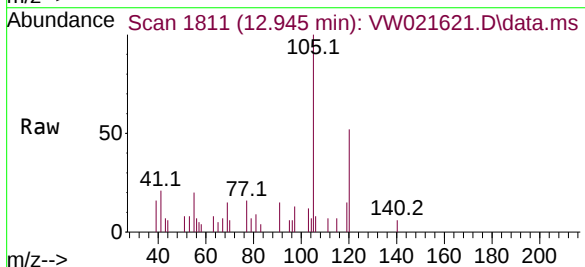
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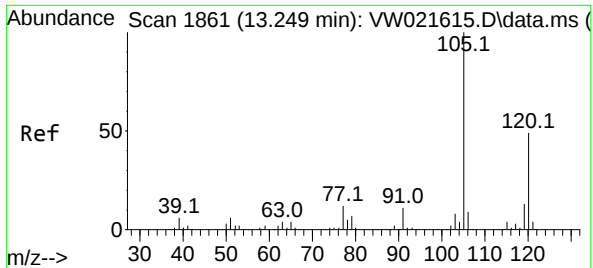
Tgt Ion: 105 Resp: 1983

Ion Ratio Lower Upper

105 100

120 47.3 37.4 56.2





#63
 1,2,4-Trimethylbenzene
 Concen: 1.222 ug/L
 RT: 13.249 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW021621.D
 Acq: 23 Dec 2021 19:05

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:105 Resp: 4608
 Ion Ratio Lower Upper
 105 100
 120 41.5 35.0 52.6

