

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021447.D
 Acq On : 18 Dec 2021 02:04
 Operator : SY/VA
 Sample : M5153-08
 Misc : 6.41g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 18 04:00:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 18 00:55:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	144171	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.633	117	134906	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	61980	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	42841	16.316	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.280%
7) Chloroethane-d5	2.879	69	26792	15.435	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.720%
11) 1,1-Dichloroethene-d2	4.013	63	52663	15.044	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.160%
21) 2-Butanone-d5	7.079	46	20823	56.260	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.520%
24) Chloroform-d	7.646	84	83341	20.743	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.960%
26) 1,2-Dichloroethane-d4	8.305	65	48549	22.717	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.880%
32) Benzene-d6	8.274	84	157673	21.322	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.280%
36) 1,2-Dichloropropane-d6	9.274	67	45734	23.061	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.240%
41) Toluene-d8	10.323	98	153958	20.377	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.520%
43) trans-1,3-Dichloroprop...	10.579	79	18646	20.420	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.680%
47) 2-Hexanone-d5	10.920	63	17805	60.715	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.420%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	36094	21.172	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.680%
66) 1,2-Dichlorobenzene-d4	13.853	152	46165	19.219	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	76.880%
Target Compounds						Qvalue
13) Acetone	4.123	43	17796	53.634	ug/L	93
22) 2-Butanone	7.171	43	5468	12.619	ug/L	94
37) 1,2-Dichloropropane	9.274	63	5909	3.605	ug/L	# 74
39) cis-1,3-Dichloropropene	10.030	75	1646	0.637	ug/L	85
45) 1,1,2-Trichloroethane	10.762	97	2207	1.645	ug/L	# 27
51) Chlorobenzene	11.658	112	3287	0.571	ug/L	95
52) Ethylbenzene	11.731	91	74865	7.622	ug/L	100
53) m,p-Xylene	11.847	106	5538	1.398	ug/L	93
60) Isopropylbenzene	12.463	105	86307	10.248	ug/L	96
62) 1,3,5-Trimethylbenzene	12.938	105	16359	2.283	ug/L	88
63) 1,2,4-Trimethylbenzene	13.249	105	66975	9.474	ug/L	97
65) 1,4-Dichlorobenzene	13.572	146	2296	0.582	ug/L	# 16
67) 1,2-Dichlorobenzene	13.865	146	15992	4.573	ug/L	# 89
68) 1,2-Dibromo-3-chloropr...	14.487	75	3416	18.360	ug/L	# 26
70) 1,2,4-trichlorobenzene	15.127	180	2986	1.250	ug/L	# 42
71) Naphthalene	15.365	128	8807441	2270.068	ug/L	98

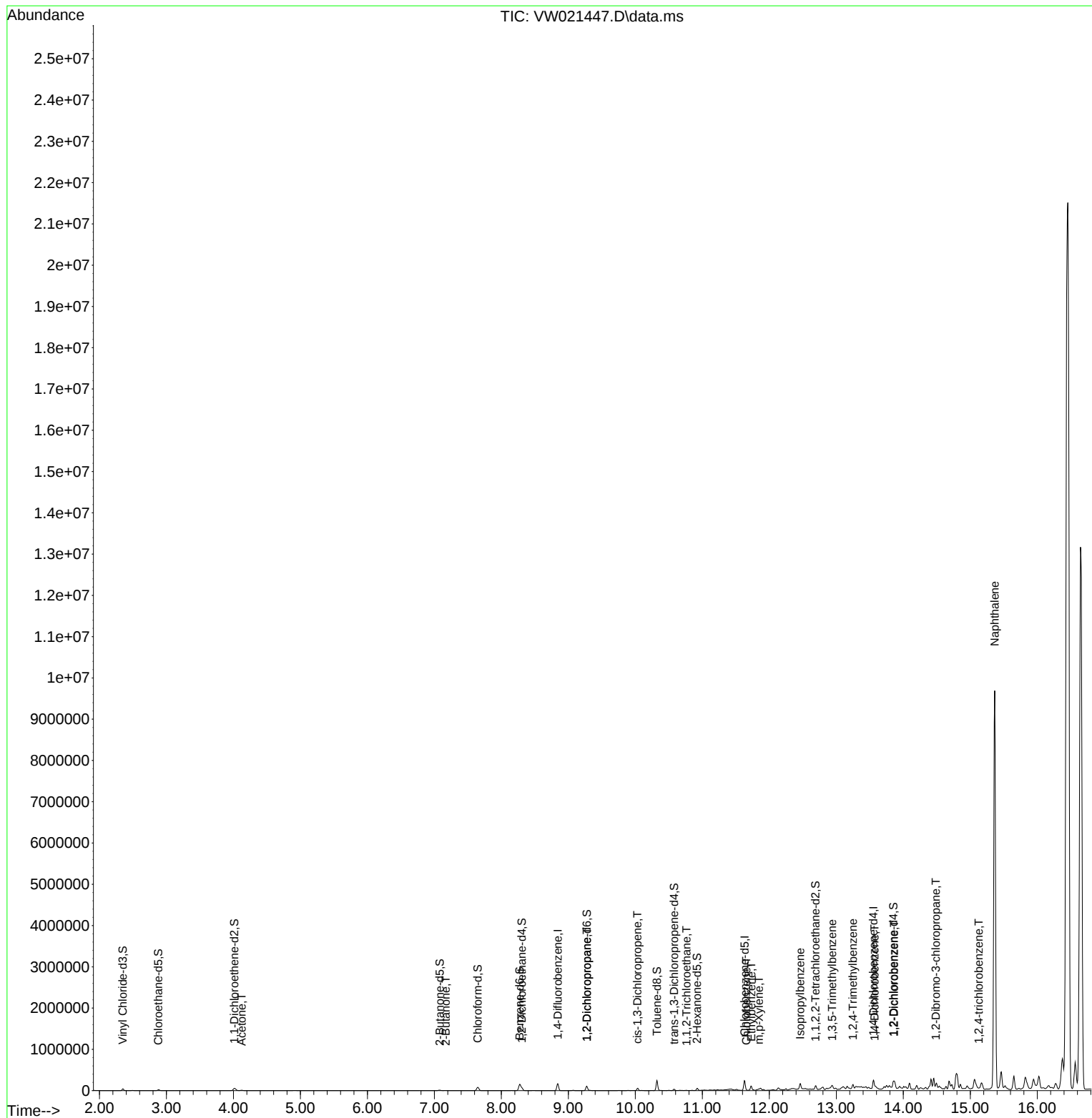
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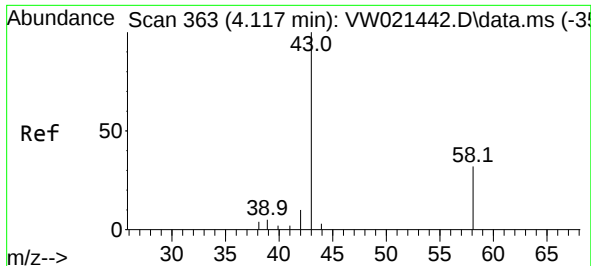
Instrument :
MSVOA_W
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
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Quant Time: Dec 18 04:00:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 18 00:55:20 2021
 Response via : Initial Calibration





#13

Acetone

Concen: 53.634 ug/L

RT: 4.123 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW021447.D

Acq: 18 Dec 2021 02:04

Instrument :

MSVOA_W

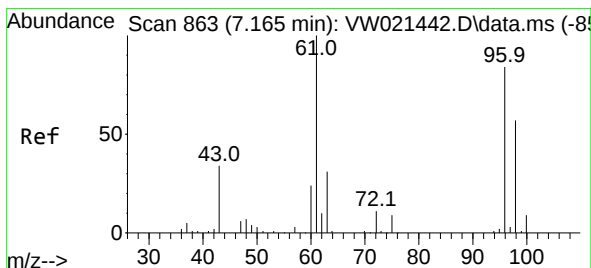
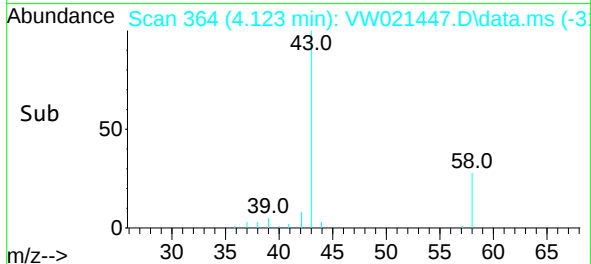
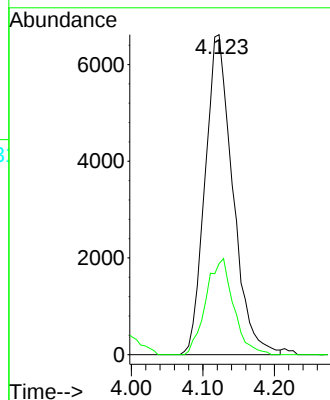
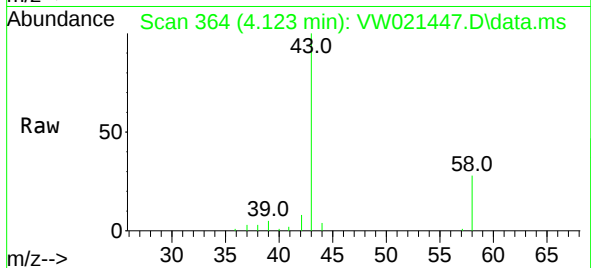
ClientSampleId :

Tgt Ion: 43 Resp: 17796

Ion Ratio Lower Upper

43 100

58 30.0 0.0 52.8



#22

2-Butanone

Concen: 12.619 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW021447.D

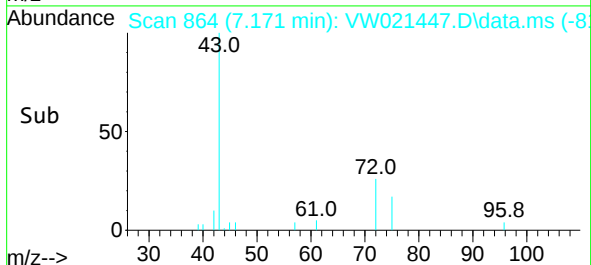
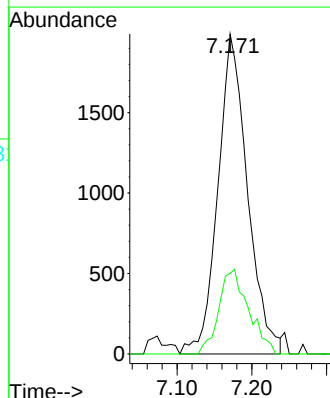
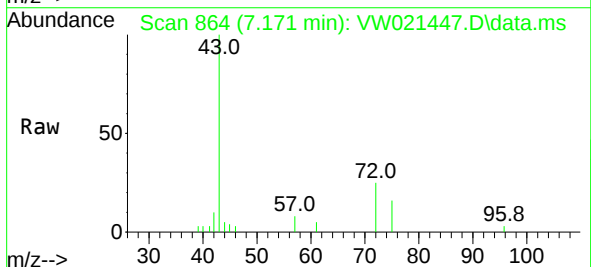
Acq: 18 Dec 2021 02:04

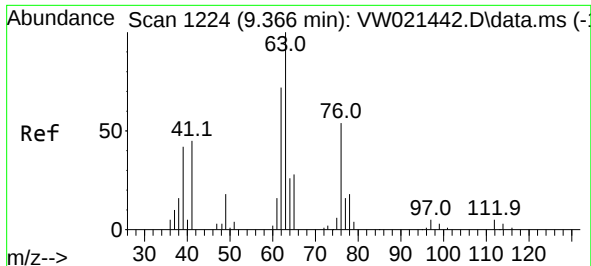
Tgt Ion: 43 Resp: 5468

Ion Ratio Lower Upper

43 100

72 26.6 11.8 35.4





#37

1,2-Dichloropropane

Concen: 3.605 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.092 min

Lab File: VW021447.D

Acq: 18 Dec 2021 02:04

Instrument :

MSVOA_W

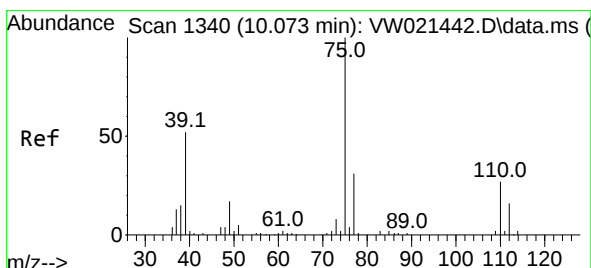
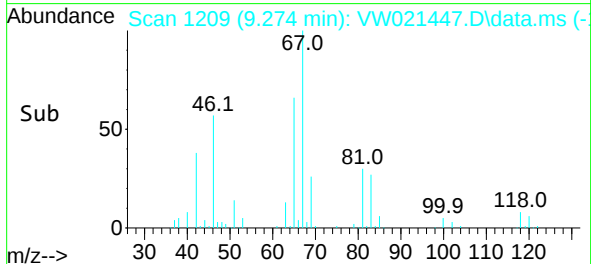
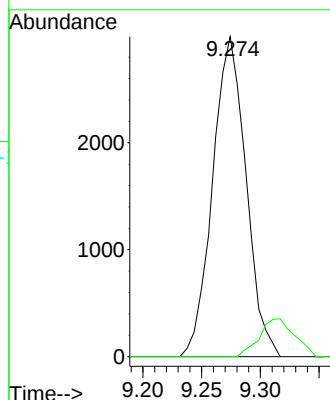
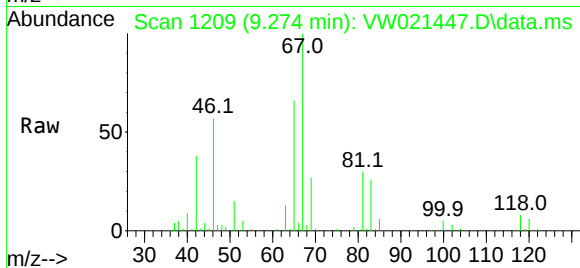
ClientSampleId :

Tgt Ion: 63 Resp: 5909

Ion Ratio Lower Upper

63 100

112 12.4 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.637 ug/L

RT: 10.030 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW021447.D

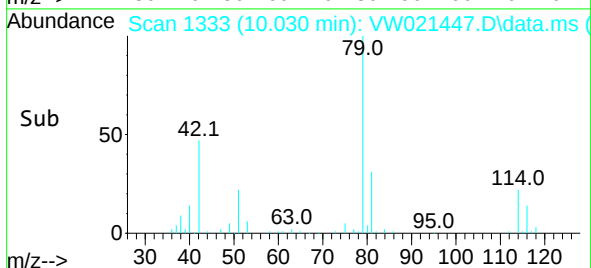
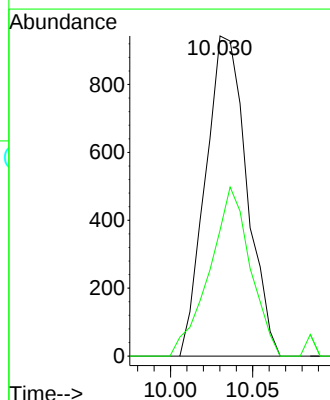
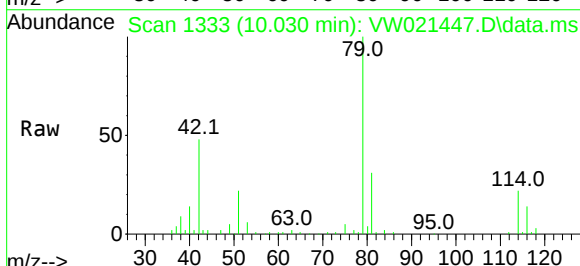
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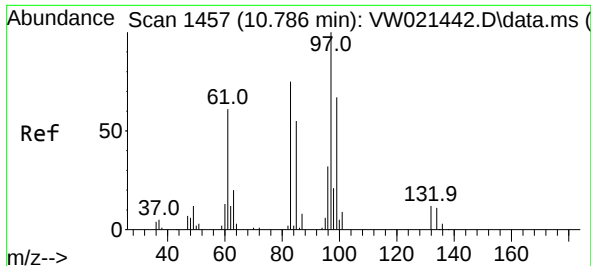
Tgt Ion: 75 Resp: 1646

Ion Ratio Lower Upper

75 100

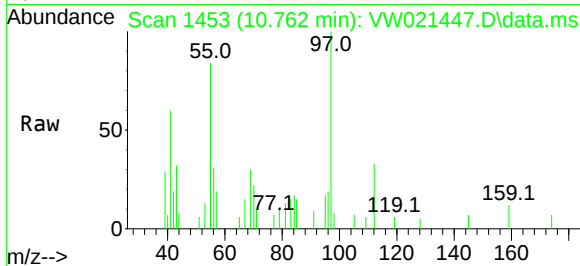
77 39.3 21.8 40.6



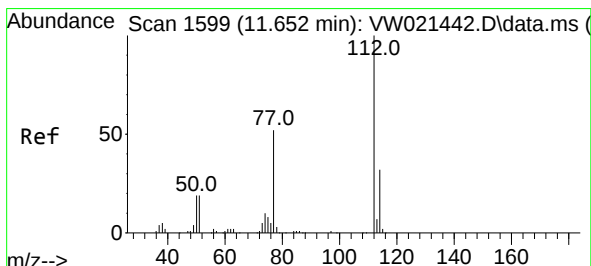
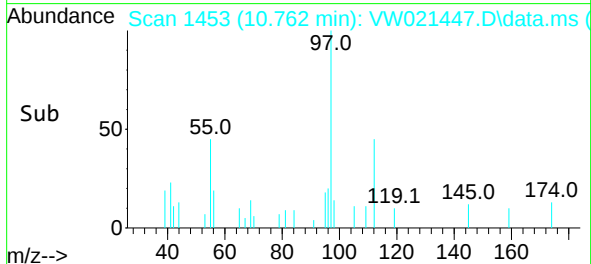
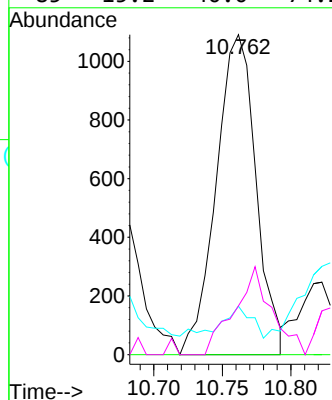


#45
1,1,2-Trichloroethane
Concen: 1.645 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.025 min
Lab File: VW021447.D
Acq: 18 Dec 2021 02:04

Instrument :
MSVOA_W
ClientSampleId :

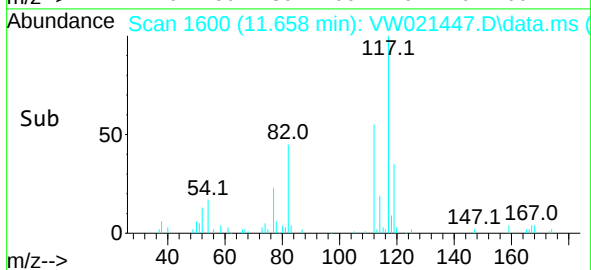
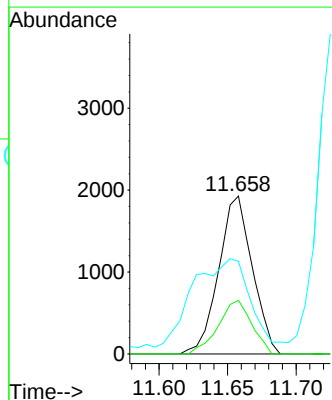
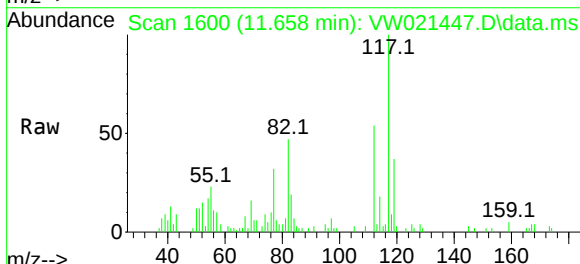


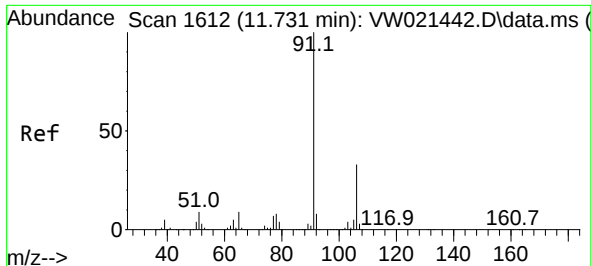
Tgt Ion: 97	Resp: 2207
Ion Ratio	Lower Upper
97 100	
99 0.0	43.0 79.8#
83 15.1	62.6 116.3#
85 15.2	40.0 74.2#



#51
Chlorobenzene
Concen: 0.571 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VW021447.D
Acq: 18 Dec 2021 02:04

Tgt Ion:112	Resp:	3287	
Ion	Ratio	Lower	Upper
112	100		
114	34.0	22.4	41.6
77	58.7	50.2	75.4

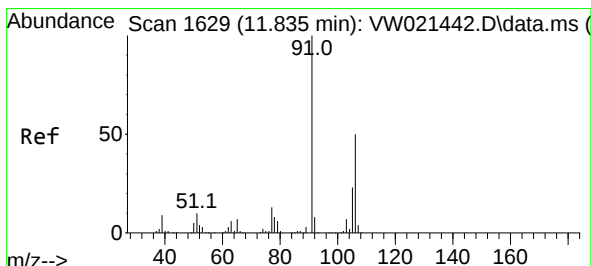
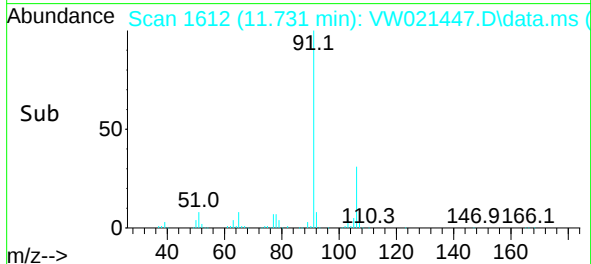
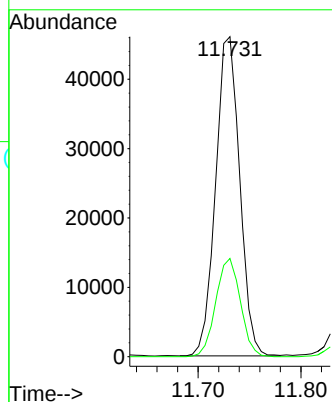
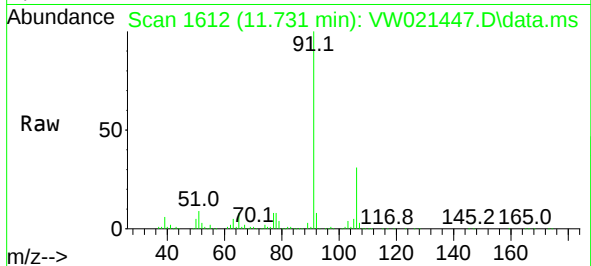




#52
Ethylbenzene
Concen: 7.622 ug/L
RT: 11.731 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VW021447.D
Acq: 18 Dec 2021 02:04

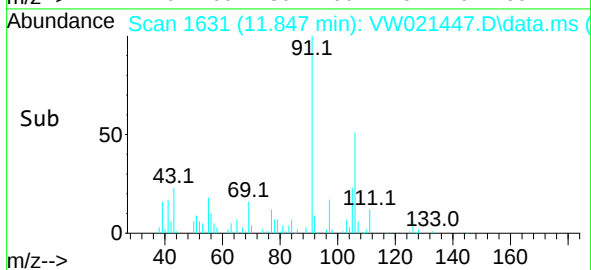
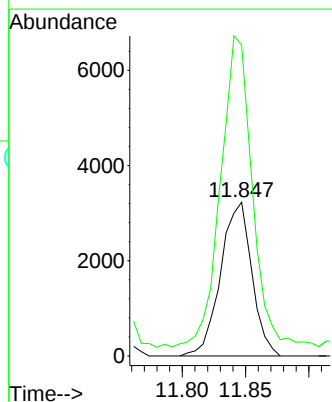
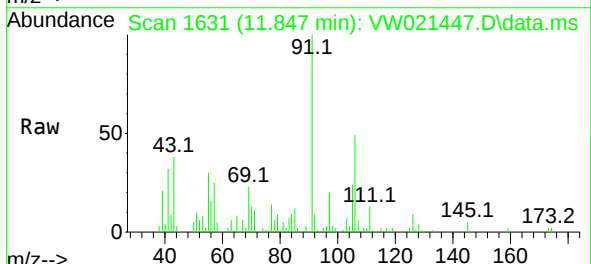
Instrument :
MSVOA_W
ClientSampleId :

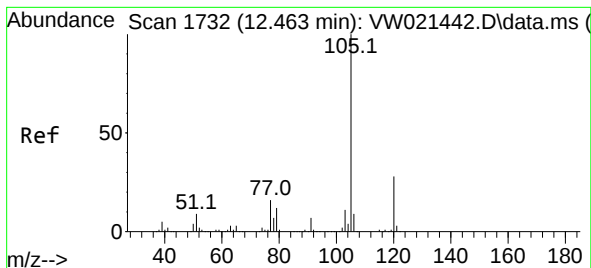
Tgt Ion: 91 Resp: 74865
Ion Ratio Lower Upper
91 100
106 30.7 21.5 39.9



#53
m,p-Xylene
Concen: 1.398 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.012 min
Lab File: VW021447.D
Acq: 18 Dec 2021 02:04

Tgt Ion: 106 Resp: 5538
Ion Ratio Lower Upper
106 100
91 202.4 149.9 278.3





#60

Isopropylbenzene

Concen: 10.248 ug/L

RT: 12.463 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021447.D

Acq: 18 Dec 2021 02:04

Instrument :

MSVOA_W

ClientSampleId :

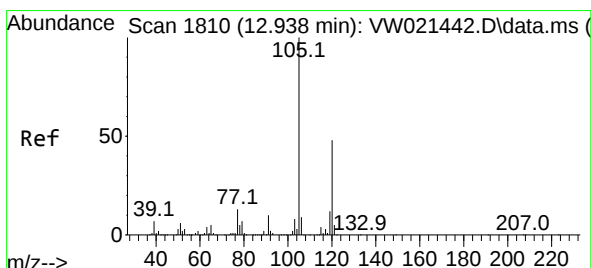
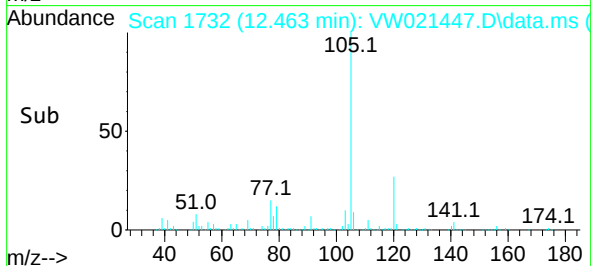
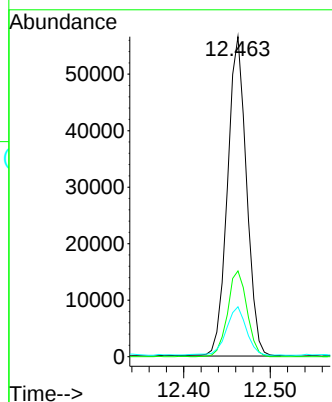
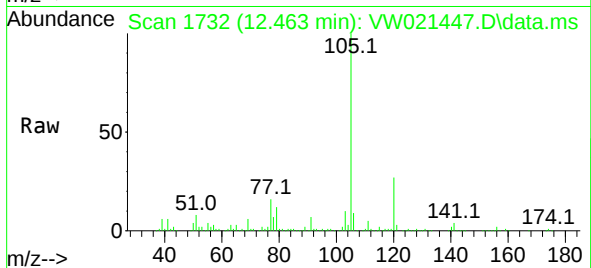
Tgt Ion:105 Resp: 86307

Ion Ratio Lower Upper

105 100

120 27.4 20.1 30.1

77 15.6 13.8 20.8



#62

1,3,5-Trimethylbenzene

Concen: 2.283 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW021447.D

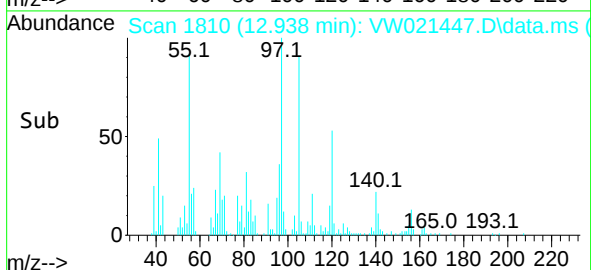
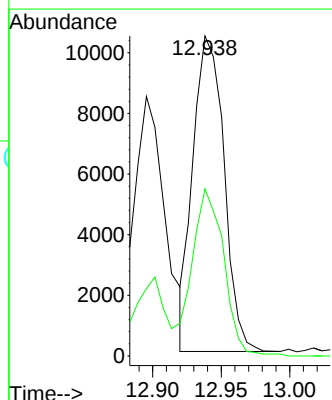
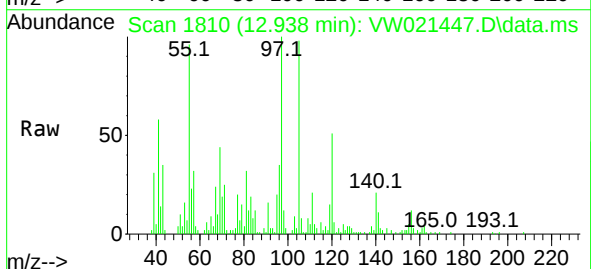
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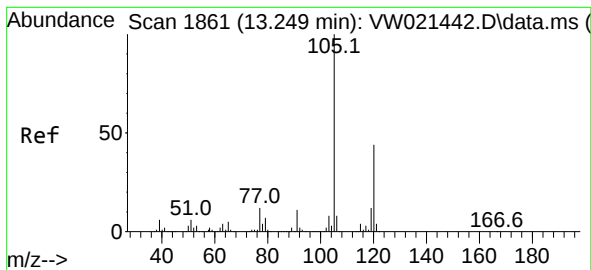
Tgt Ion:105 Resp: 16359

Ion Ratio Lower Upper

105 100

120 54.6 37.4 56.2

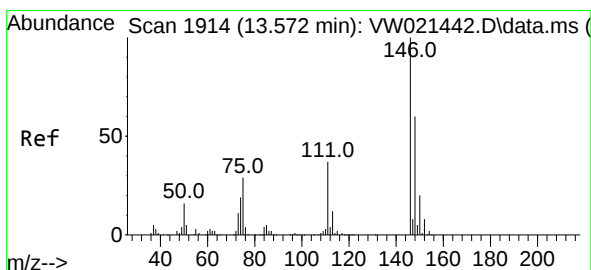
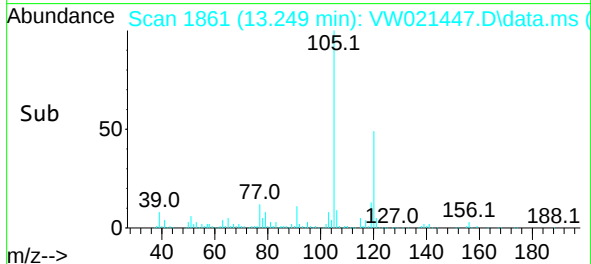
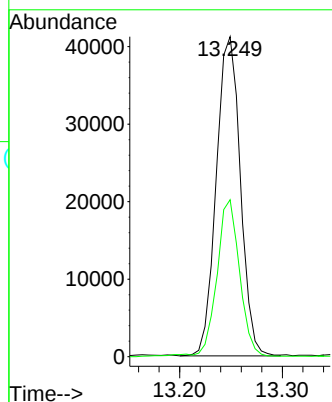
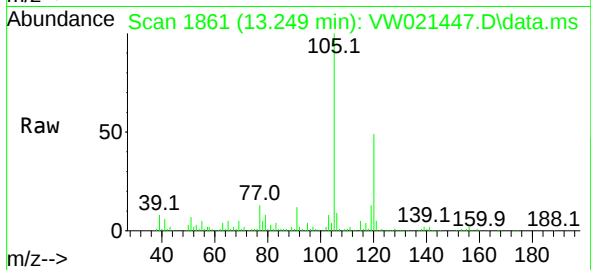




#63
1,2,4-Trimethylbenzene
Concen: 9.474 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021447.D
Acq: 18 Dec 2021 02:04

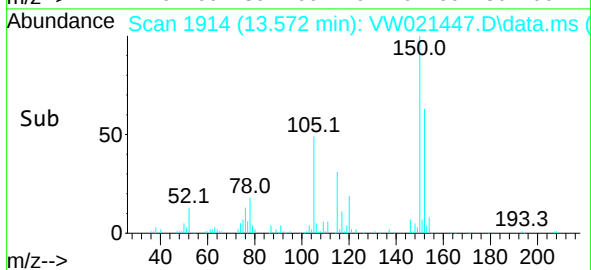
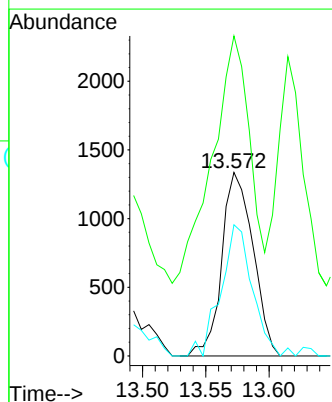
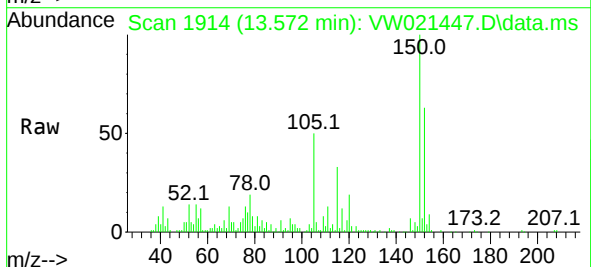
Instrument :
MSVOA_W
ClientSampleId :

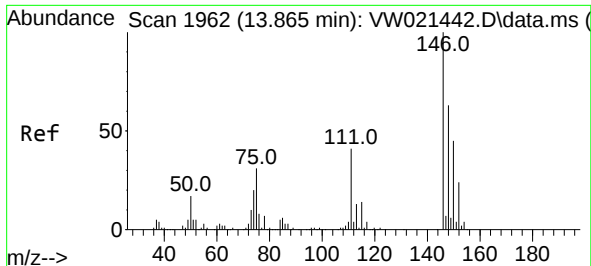
Tgt Ion:105 Resp: 66975
Ion Ratio Lower Upper
105 100
120 46.0 35.0 52.6



#65
1,4-Dichlorobenzene
Concen: 0.582 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW021447.D
Acq: 18 Dec 2021 02:04

Tgt Ion:146 Resp: 2296
Ion Ratio Lower Upper
146 100
111 174.4 29.0 53.9#
148 71.5 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 4.573 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW021447.D

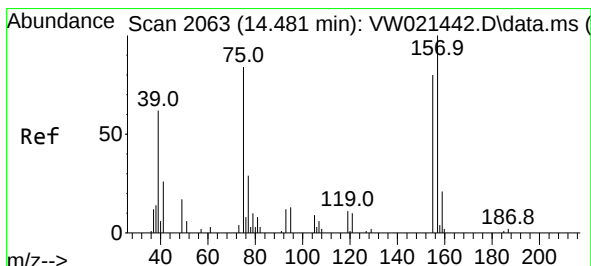
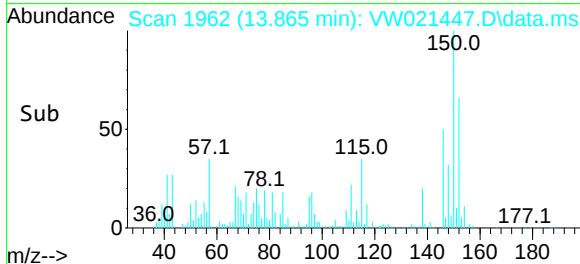
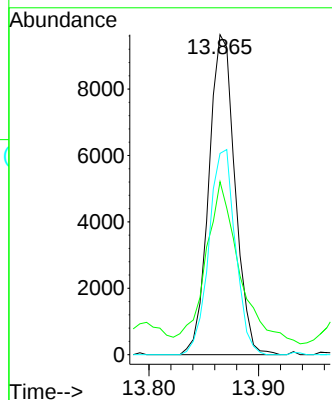
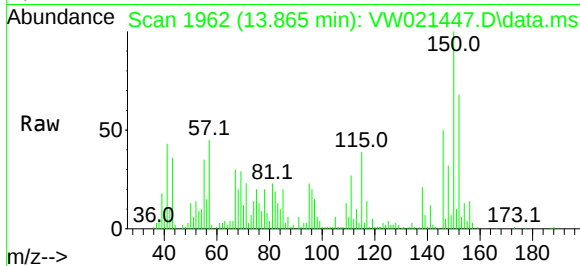
Acq: 18 Dec 2021 02:04

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	146	Resp:	15992
Ion	Ratio	Lower	Upper
146	100		
111	54.0	33.1	49.7#
148	62.9	47.4	71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 18.360 ug/L

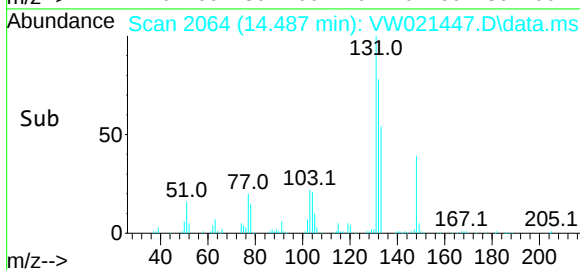
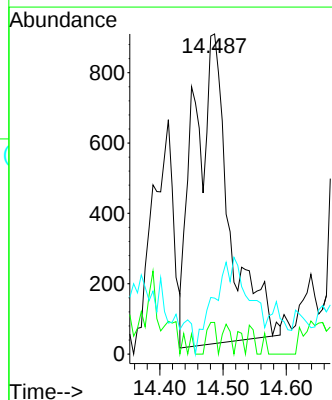
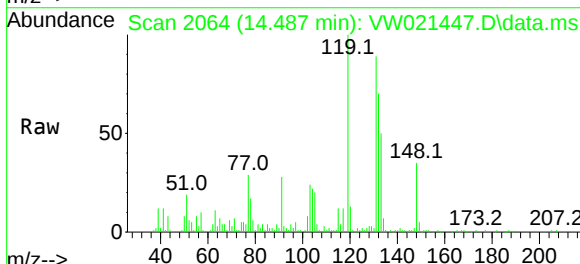
RT: 14.487 min Scan# 2064

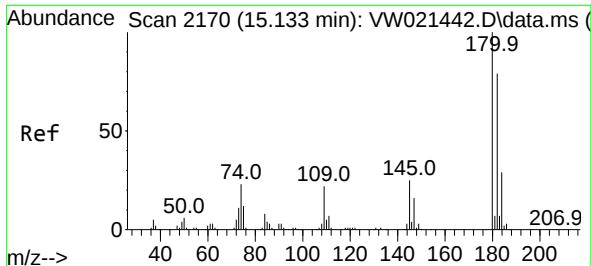
Delta R.T. 0.006 min

Lab File: VW021447.D

Acq: 18 Dec 2021 02:04

Tgt Ion:	75	Resp:	3416
Ion	Ratio	Lower	Upper
75	100		
155	9.9	54.2	81.2#
157	17.5	69.4	104.2#

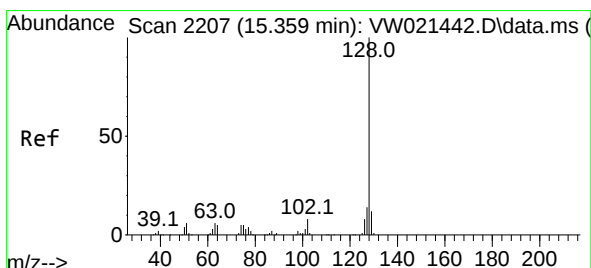
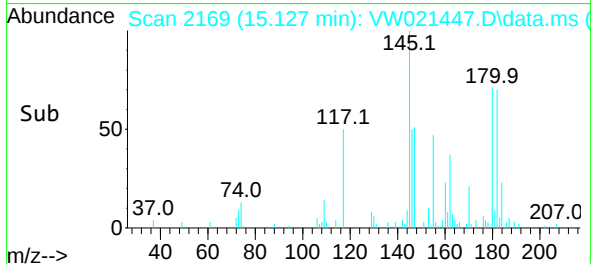
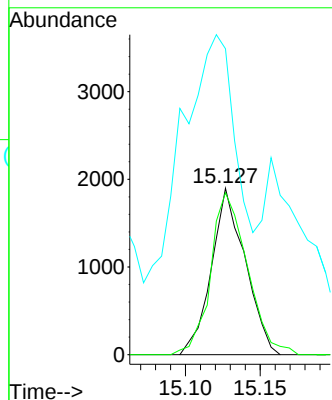
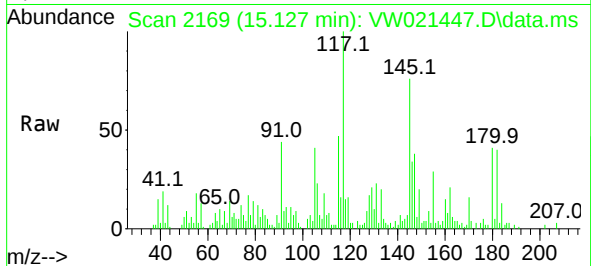




#70
1,2,4-trichlorobenzene
Concen: 1.250 ug/L
RT: 15.127 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VW021447.D
Acq: 18 Dec 2021 02:04

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:180 Resp: 2986
Ion Ratio Lower Upper
180 100
182 105.6 79.0 118.6
145 152.9 26.0 39.0#



#71
Naphthalene
Concen: 2270.068 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.006 min
Lab File: VW021447.D
Acq: 18 Dec 2021 02:04

Tgt Ion:128 Resp: 8807441
Ion Ratio Lower Upper
128 100
127 14.0 10.7 16.1
129 11.9 8.6 12.8

