

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
 Data File : VW021431.D
 Acq On : 17 Dec 2021 15:17
 Operator : SY/VA
 Sample : M5121-05
 Misc : 6.44g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 17 21:16:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 17 00:58:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	134646	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.627	117	137887	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	78667	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.342	65	50861	20.741	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.960%
7) Chloroethane-d5	2.873	69	33273	20.525	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.080%
11) 1,1-Dichloroethene-d2	4.007	63	46745	14.298	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.200%
21) 2-Butanone-d5	7.073	46	20880	60.404	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.800%
24) Chloroform-d	7.646	84	78037	20.797	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.200%
26) 1,2-Dichloroethane-d4	8.305	65	45634	22.863	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.440%
32) Benzene-d6	8.268	84	158842	21.016	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.080%
36) 1,2-Dichloropropane-d6	9.274	67	44476	21.942	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.760%
41) Toluene-d8	10.323	98	157203	20.357	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.440%
43) trans-1,3-Dichloroprop...	10.573	79	19027	20.386	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.560%
47) 2-Hexanone-d5	10.920	63	18327	61.144	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.280%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	43311	24.856	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.440%
66) 1,2-Dichlorobenzene-d4	13.853	152	62973	20.655	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.640%
Target Compounds						Qvalue
13) Acetone	4.117	43	9610	31.012	ug/L	93
14) Carbon disulfide	4.366	76	4845	1.124	ug/L	98
22) 2-Butanone	7.171	43	2014	4.977	ug/L	83
29) Cyclohexane	7.921	56	5402	1.968	ug/L	# 50
37) 1,2-Dichloropropane	9.268	63	5658	3.377	ug/L	# 91
39) cis-1,3-Dichloropropene	10.036	75	1636	0.619	ug/L	# 79
40) 4-Methyl-2-pentanone	10.207	43	2511	2.750	ug/L	# 81
45) 1,1,2-Trichloroethane	10.762	97	11629	8.480	ug/L	# 22
53) m,p-Xylene	11.835	106	5780	1.427	ug/L	85
54) o-Xylene	12.164	106	2609	0.679	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.676	83	2553	1.624	ug/L	80
62) 1,3,5-Trimethylbenzene	12.938	105	20860	2.293	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	75741	8.441	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.413	75	1398	5.920	ug/L	# 10
70) 1,2,4-trichlorobenzene	15.127	180	2935	0.968	ug/L	# 1
71) Naphthalene	15.358	128	985842	200.196	ug/L	99

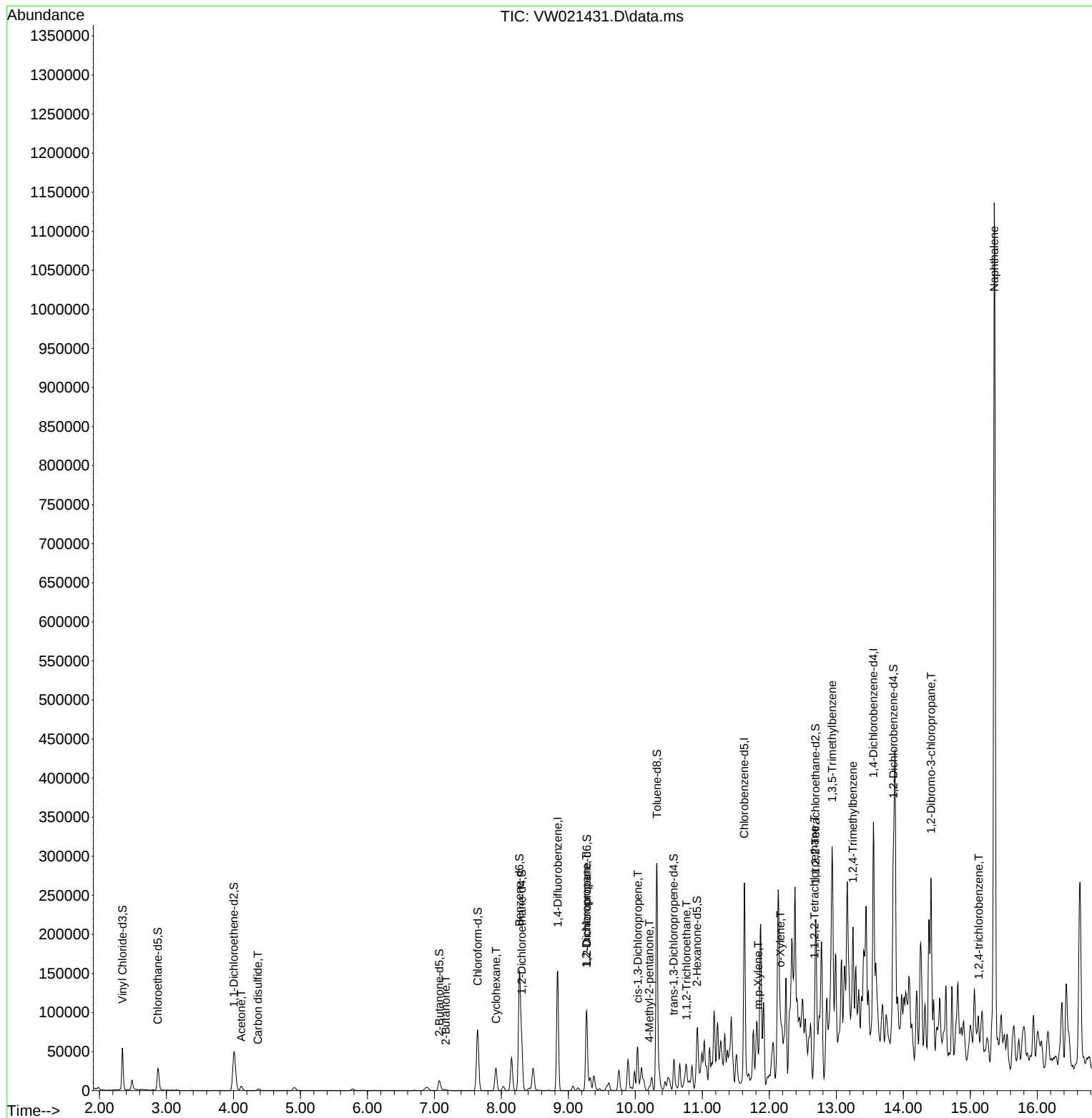
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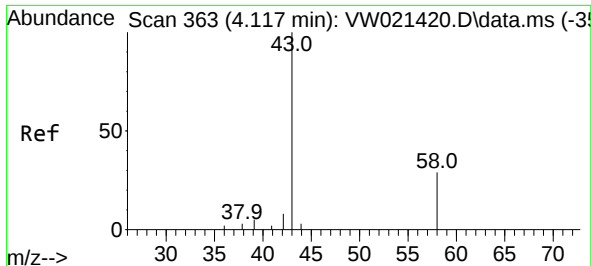
Instrument :
MSVOA_W
ClientSampleId :

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Quant Time: Dec 17 21:16:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 17 00:58:26 2021
Response via : Initial Calibration





#13

Acetone

Concen: 31.012 ug/L

RT: 4.117 min Scan# 30

Delta R.T. -0.013 min

Lab File: VW021431.D

Acq: 17 Dec 2021 15:17

Instrument :

MSVOA_W

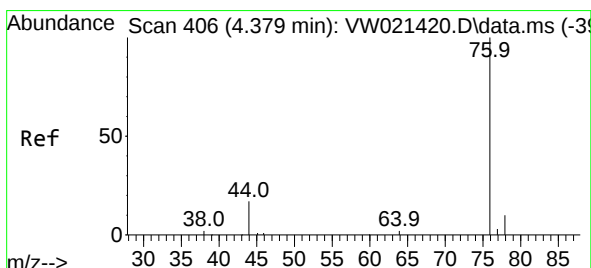
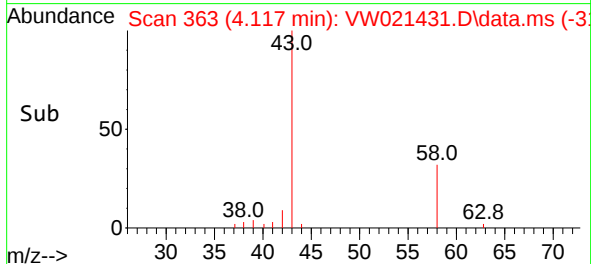
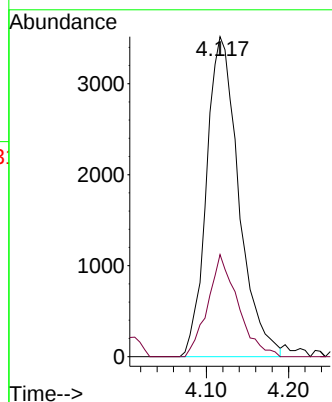
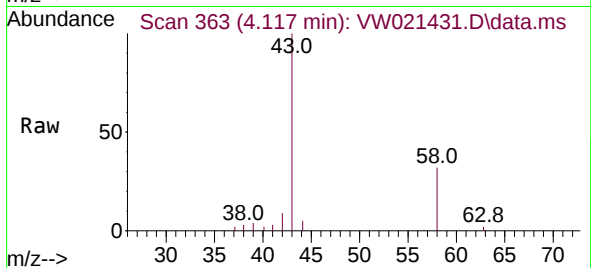
ClientSampleId :

Tgt Ion: 43 Resp: 9610

Ion Ratio Lower Upper

43 100

58 29.8 0.0 52.8



#14

Carbon disulfide

Concen: 1.124 ug/L

RT: 4.366 min Scan# 404

Delta R.T. -0.013 min

Lab File: VW021431.D

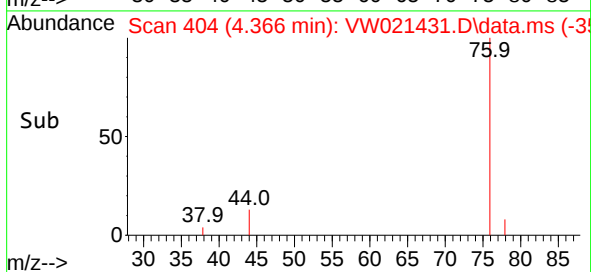
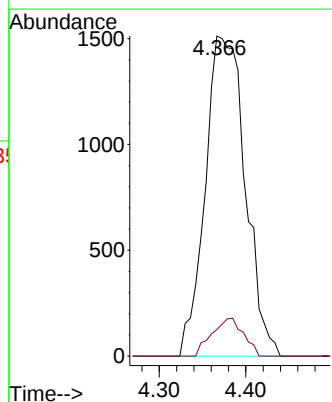
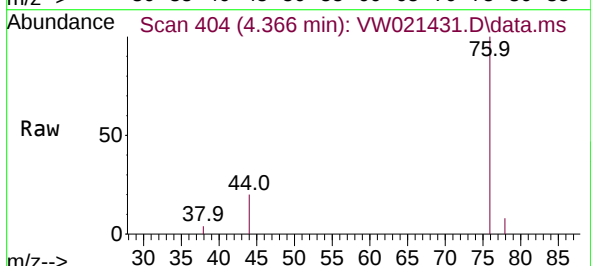
Acq: 17 Dec 2021 15:17

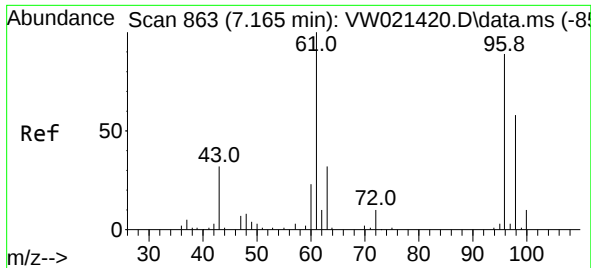
Tgt Ion: 76 Resp: 4845

Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7

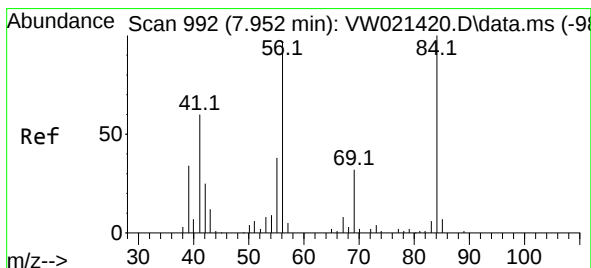
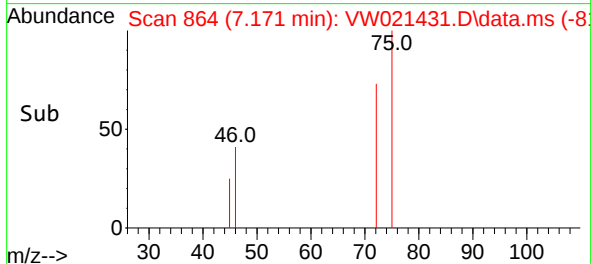
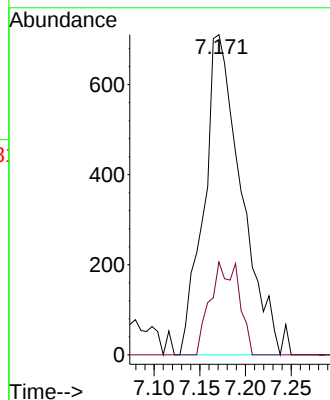
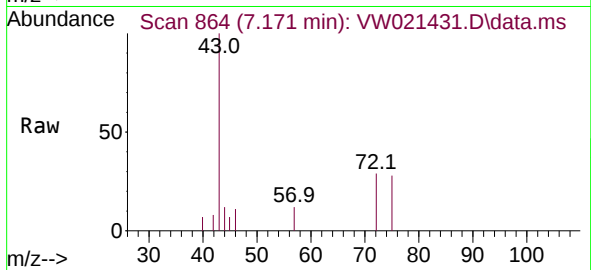




#22
2-Butanone
Concen: 4.977 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW021431.D
Acq: 17 Dec 2021 15:17

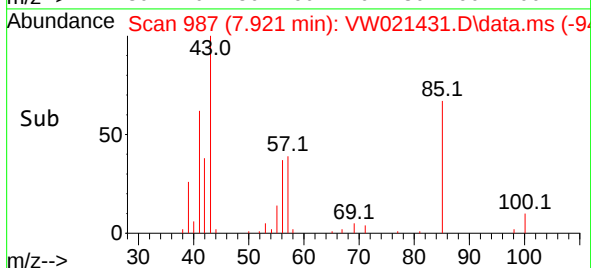
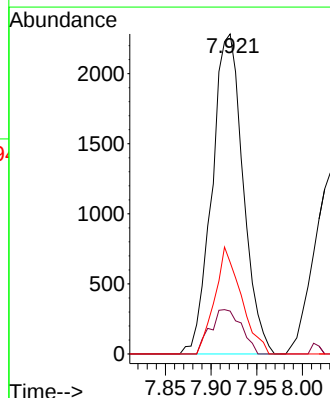
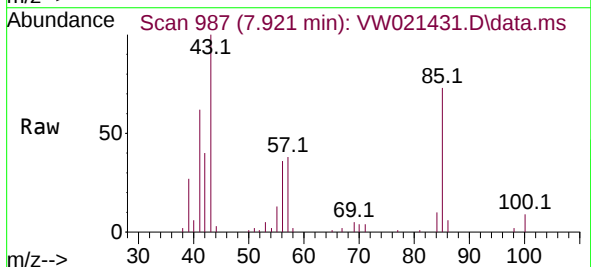
Instrument :
MSVOA_W
ClientSampleId :

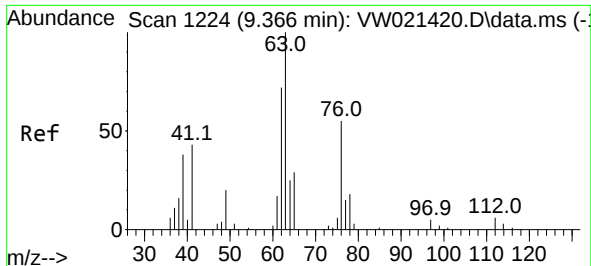
Tgt Ion: 43 Resp: 2014
Ion Ratio Lower Upper
43 100
72 15.5 11.8 35.4



#29
Cyclohexane
Concen: 1.968 ug/L
RT: 7.921 min Scan# 987
Delta R.T. -0.031 min
Lab File: VW021431.D
Acq: 17 Dec 2021 15:17

Tgt Ion: 56 Resp: 5402
Ion Ratio Lower Upper
56 100
69 13.9 23.5 35.3#
84 28.4 63.4 95.2#





#37

1,2-Dichloropropane

Concen: 3.377 ug/L

RT: 9.268 min Scan# 11

Delta R.T. -0.098 min

Lab File: VW021431.D

Acq: 17 Dec 2021 15:17

Instrument :

MSVOA_W

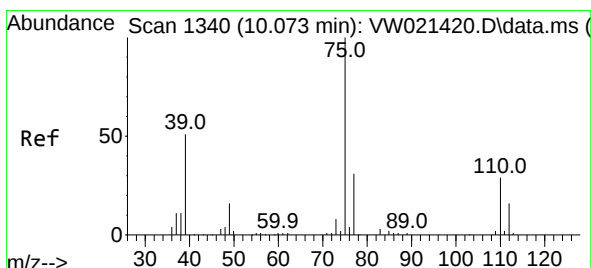
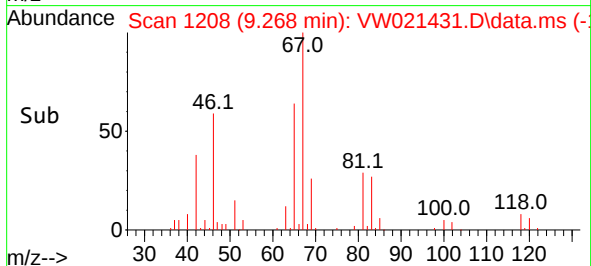
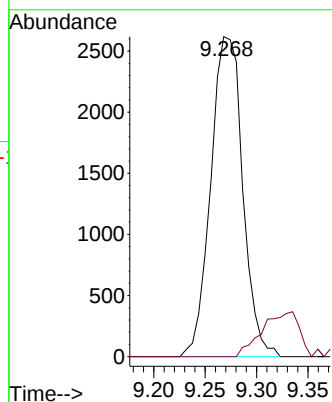
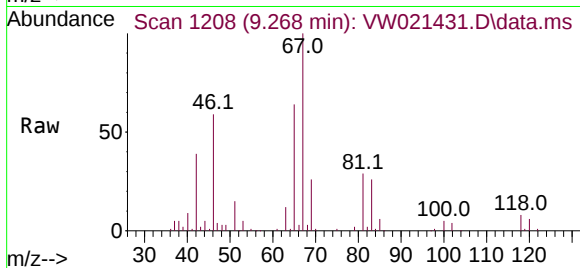
ClientSampleId :

Tgt Ion: 63 Resp: 5658

Ion Ratio Lower Upper

63 100

112 6.9 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.619 ug/L

RT: 10.036 min Scan# 1334

Delta R.T. -0.031 min

Lab File: VW021431.D

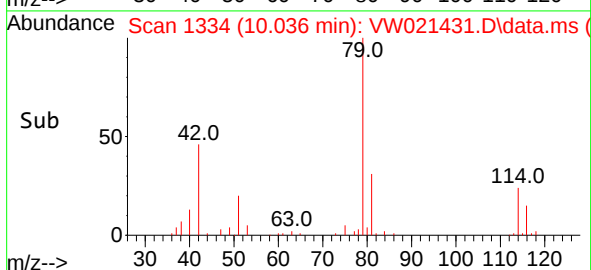
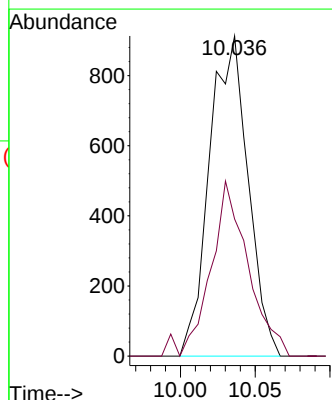
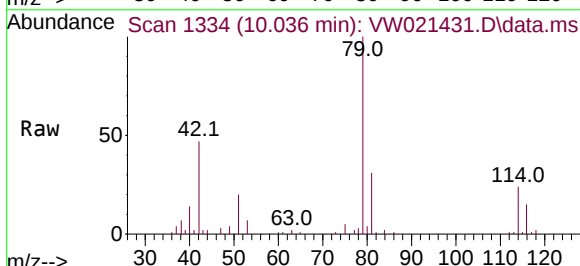
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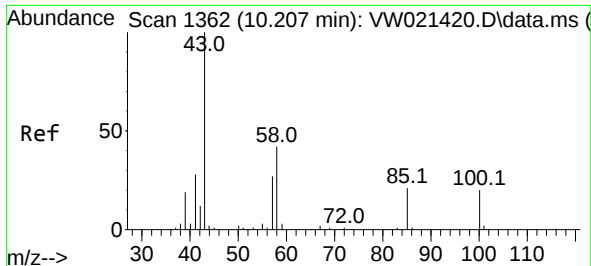
Tgt Ion: 75 Resp: 1636

Ion Ratio Lower Upper

75 100

77 42.8 21.8 40.6#





#40

4-Methyl-2-pentanone

Concen: 2.750 ug/L

RT: 10.207 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021431.D

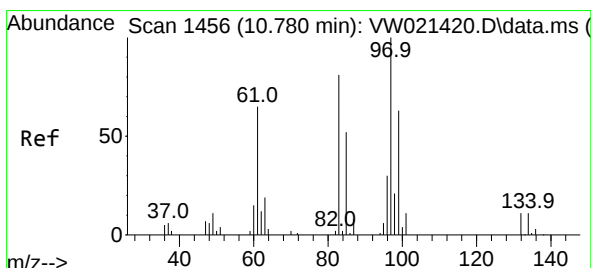
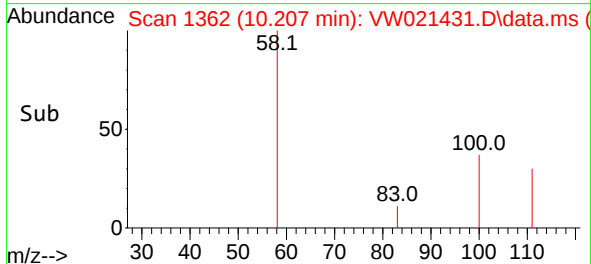
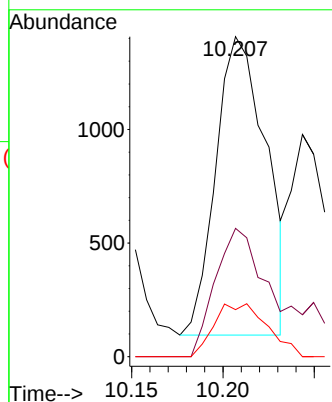
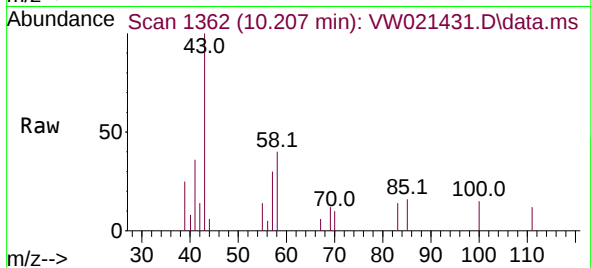
Acq: 17 Dec 2021 15:17

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 43	Resp: 2511
Ion Ratio	Lower Upper
43	100
58	47.8 28.8 43.2#
100	18.8 10.0 15.0#



#45

1,1,2-Trichloroethane

Concen: 8.480 ug/L

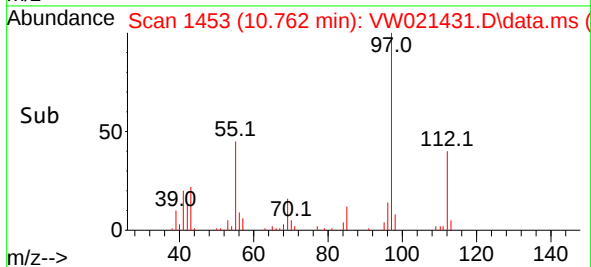
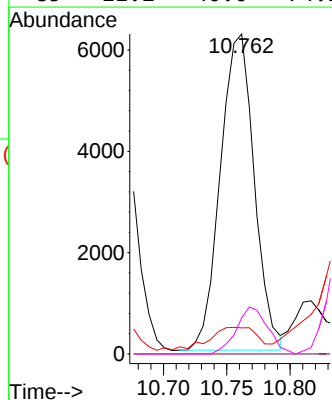
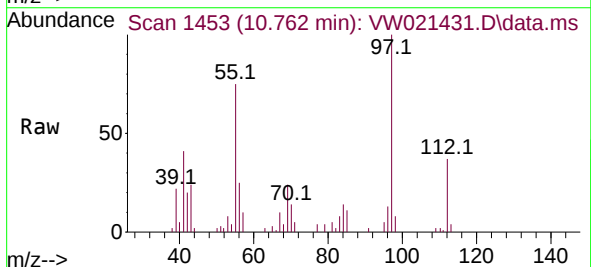
RT: 10.762 min Scan# 1453

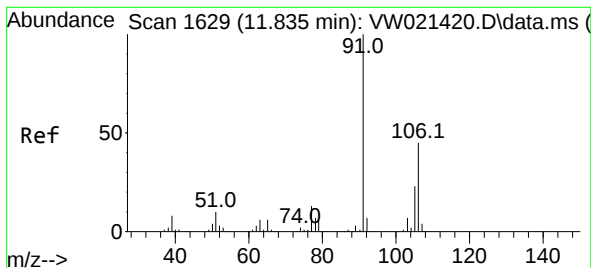
Delta R.T. -0.025 min

Lab File: VW021431.D

Acq: 17 Dec 2021 15:17

Tgt Ion: 97	Resp: 11629
Ion Ratio	Lower Upper
97	100
99	0.0 43.0 79.8#
83	8.1 62.6 116.3#
85	11.2 40.0 74.2#





#53

m,p-Xylene

Concen: 1.427 ug/L

RT: 11.835 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021431.D

Acq: 17 Dec 2021 15:17

Instrument :

MSVOA_W

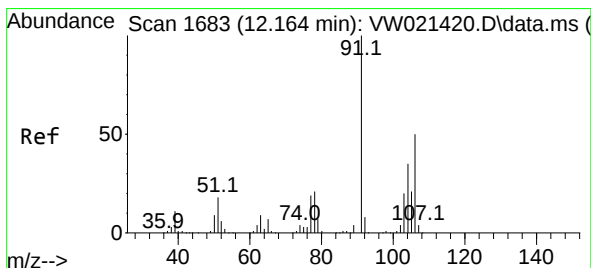
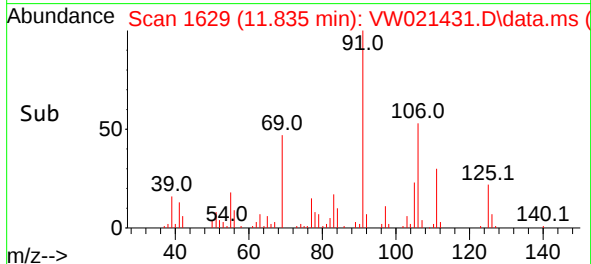
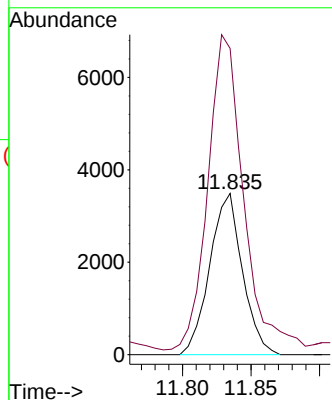
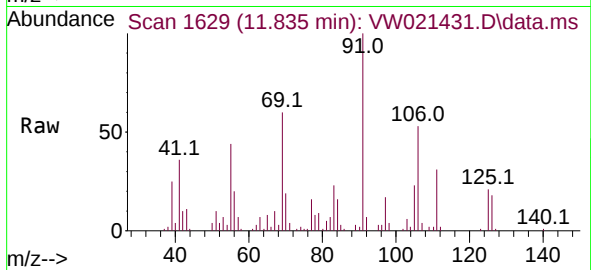
ClientSampleId :

Tgt Ion:106 Resp: 5780

Ion Ratio Lower Upper

106 100

91 189.9 149.9 278.3



#54

o-Xylene

Concen: 0.679 ug/L

RT: 12.164 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VW021431.D

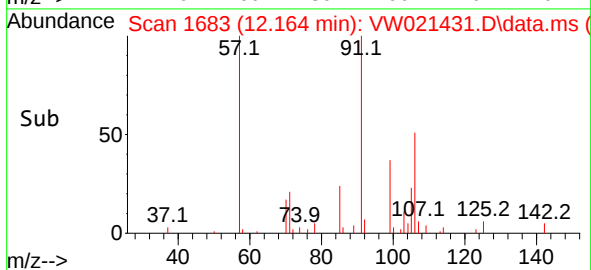
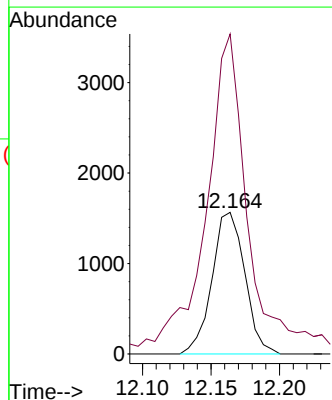
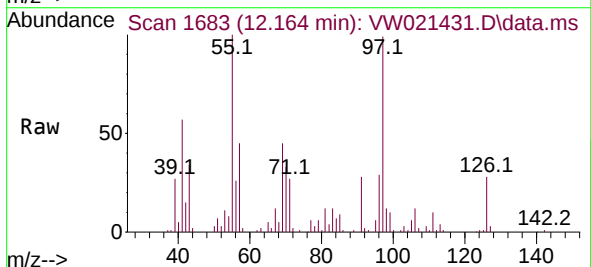
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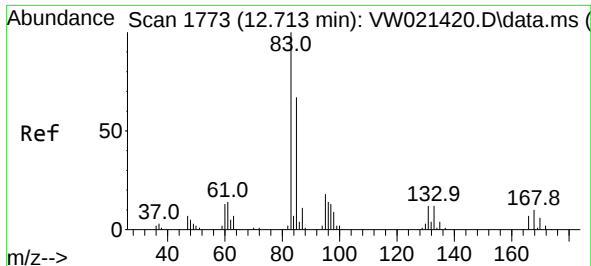
Tgt Ion:106 Resp: 2609

Ion Ratio Lower Upper

106 100

91 226.1 153.6 285.3





#57

1,1,2,2-Tetrachloroethane

Concen: 1.624 ug/L

RT: 12.676 min Scan# 1

Delta R.T. -0.037 min

Lab File: VW021431.D

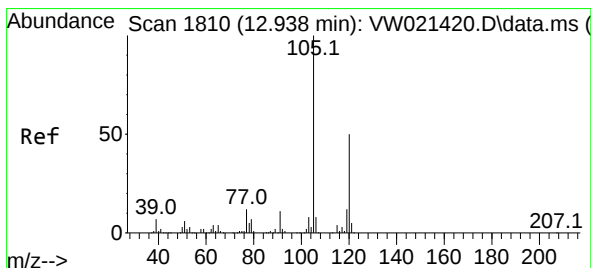
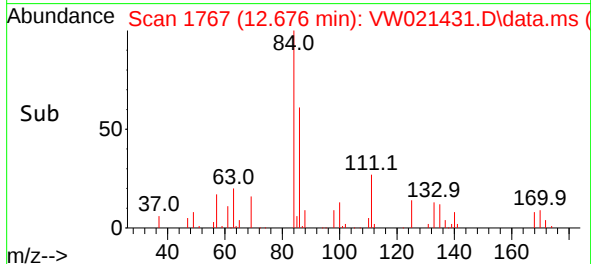
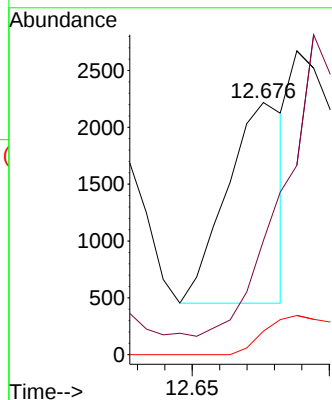
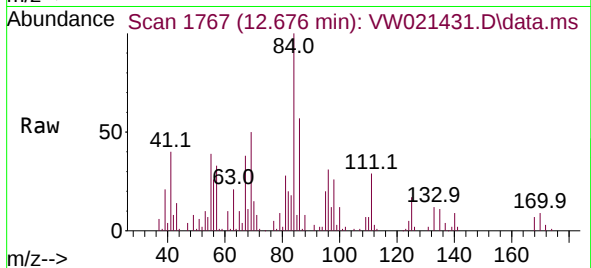
Acq: 17 Dec 2021 15:17

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 83	Resp: 2553		
Ion Ratio	Lower	Upper	
83 100			
85 45.2	44.0	81.6	
131 9.4	6.9	10.3	



#62

1,3,5-Trimethylbenzene

Concen: 2.293 ug/L

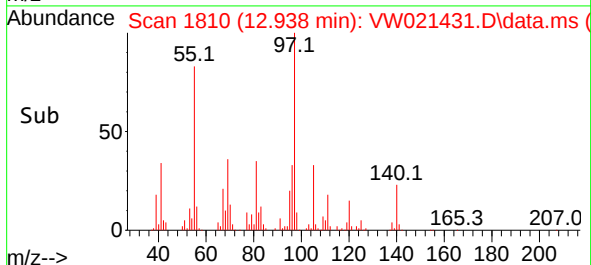
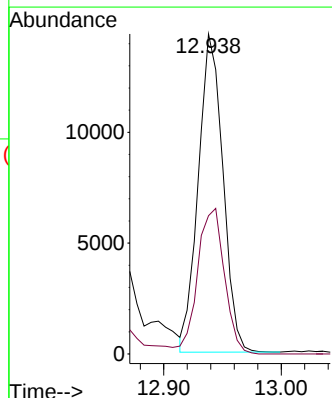
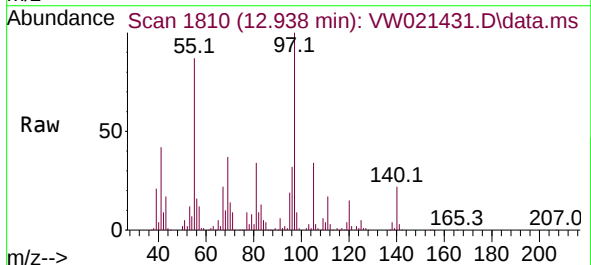
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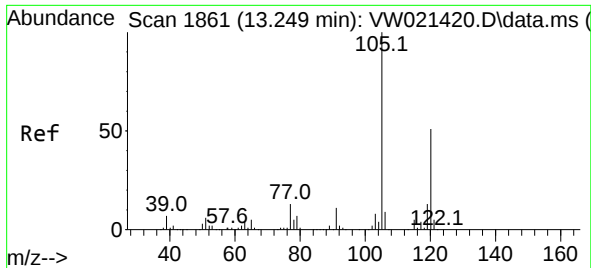
Delta R.T. -0.000 min

Lab File: VW021431.D

Acq: 17 Dec 2021 15:17

Tgt Ion:105	Resp: 20860		
Ion Ratio	Lower	Upper	
105 100			
120 50.1	37.4	56.2	

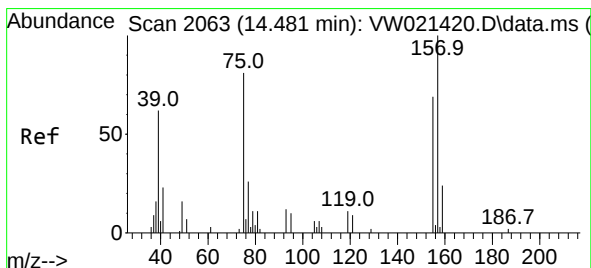
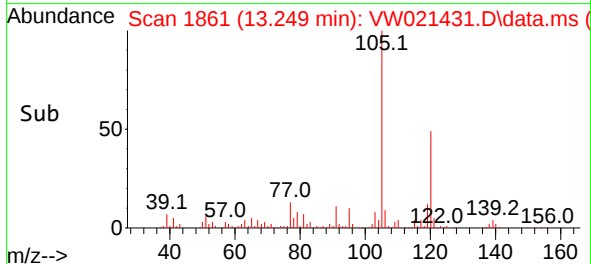
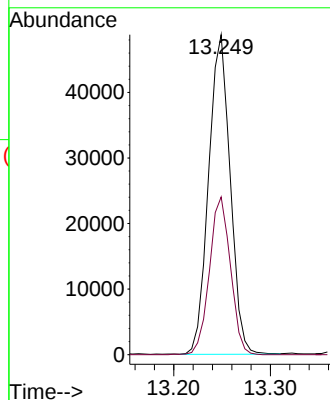
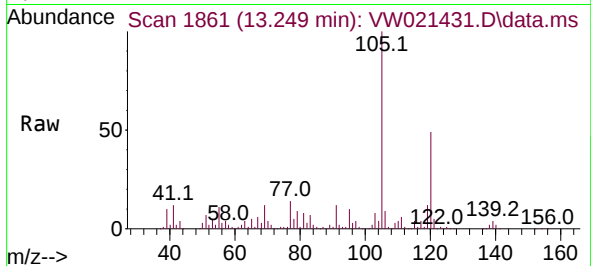




#63
1,2,4-Trimethylbenzene
Concen: 8.441 ug/L
RT: 13.249 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021431.D
Acq: 17 Dec 2021 15:17

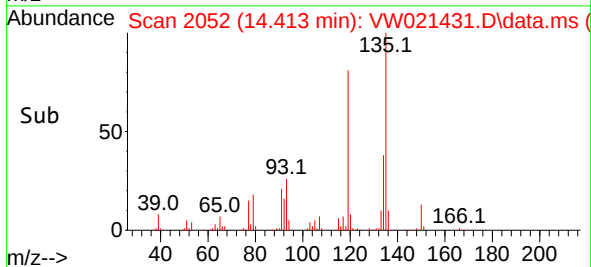
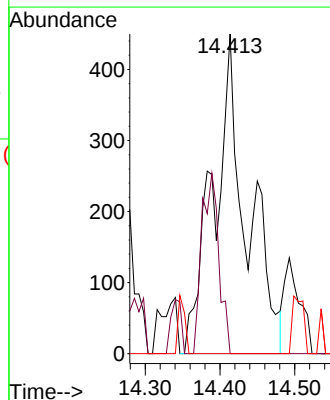
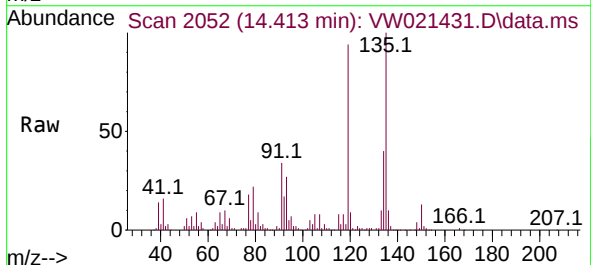
Instrument :
MSVOA_W
ClientSampleId :

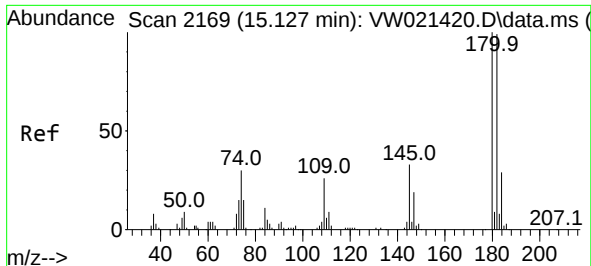
Tgt Ion:105 Resp: 75741
Ion Ratio Lower Upper
105 100
120 47.8 35.0 52.6



#68
1,2-Dibromo-3-chloropropane
Concen: 5.920 ug/L
RT: 14.413 min Scan# 2052
Delta R.T. -0.067 min
Lab File: VW021431.D
Acq: 17 Dec 2021 15:17

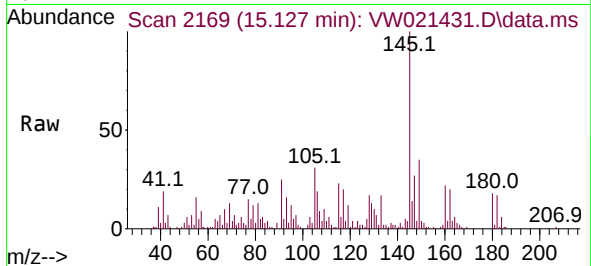
Tgt Ion: 75 Resp: 1398
Ion Ratio Lower Upper
75 100
155 0.0 54.2 81.2#
157 0.0 69.4 104.2#



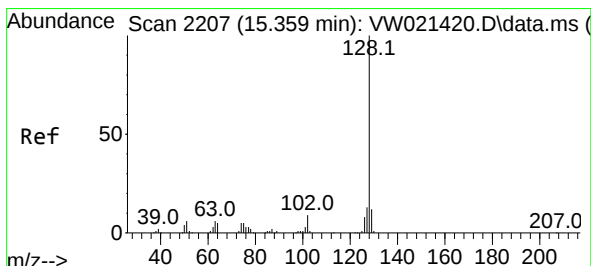
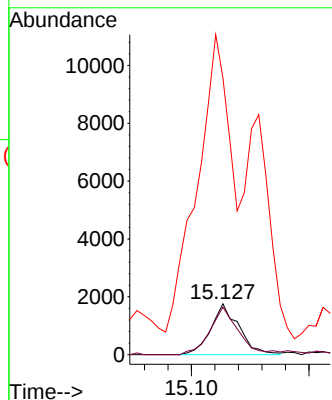
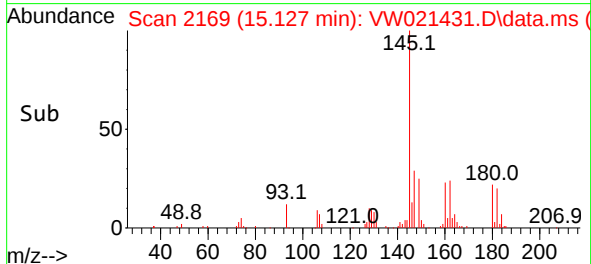


#70
1,2,4-trichlorobenzene
Concen: 0.968 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW021431.D
Acq: 17 Dec 2021 15:17

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:180 Resp: 2935
Ion Ratio Lower Upper
180 100
182 92.3 79.0 118.6
145 700.0 26.0 39.0#



#71
Naphthalene
Concen: 200.196 ug/L
RT: 15.358 min Scan# 2207
Delta R.T. -0.000 min
Lab File: VW021431.D
Acq: 17 Dec 2021 15:17

Tgt Ion:128 Resp: 985842
Ion Ratio Lower Upper
128 100
127 13.0 10.7 16.1
129 10.9 8.6 12.8

