

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110124\
 Data File : VW030880.D
 Acq On : 01 Nov 2024 12:26
 Operator : SY/MD
 Sample : P4585-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4EA6

Quant Time: Nov 04 00:54:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Nov 01 03:09:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	363890	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	327002	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	161298	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	109767	19.191	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.760%
7) Chloroethane-d5	2.899	69	97353	22.485	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.960%
11) 1,1-Dichloroethene-d2	4.021	65	46633	19.602	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.400%
21) 2-Butanone-d5	7.081	46	55171	53.598	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.200%
24) Chloroform-d	7.648	84	290912	27.955	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.800%
26) 1,2-Dichloroethane-d4	8.307	65	136381	25.203	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.800%
32) Benzene-d6	8.276	84	445384	23.467	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.880%
36) 1,2-Dichloropropane-d6	9.270	67	141223	25.352	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.400%
41) Toluene-d8	10.319	98	409935	23.660	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.640%
43) trans-1,3-Dichloroprop...	10.575	79	58613	25.128	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.520%
47) 2-Hexanone-d5	10.922	63	46683	65.065	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.120%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	119559	29.225	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.880%
66) 1,2-Dichlorobenzene-d4	13.848	152	130947	23.993	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.960%
Target Compounds	Qvalue					
12) 1,1-Dichloroethene	4.045	96	199166	40.795	ug/L	85
13) Acetone	4.131	43	87288	57.922	ug/L	97
16) Methylene chloride	4.923	84	436687	79.380	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	163330	31.004	ug/L	99
18) Methyl tert-butyl Ether	5.423	73	326038	44.220	ug/L	98
19) 1,1-Dichloroethane	6.216	63	871950	89.054	ug/L	99
22) 2-Butanone	7.173	43	309142	190.308	ug/L	96
25) Chloroform	7.679	83	945059	90.321	ug/L	98
31) Carbon tetrachloride	8.069	117	130737	16.863	ug/L	99
33) Benzene	8.325	78	1432906	67.337	ug/L	100
34) Trichloroethene	9.093	95	562099	94.946	ug/L	96
37) 1,2-Dichloropropane	9.367	63	202005	38.009	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	526155	65.633	ug/L	96
40) 4-Methyl-2-pentanone	10.209	43	413056	161.777	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	504525	74.894	ug/L	97
45) 1,1,2-Trichloroethane	10.788	97	198444	51.663	ug/L	97
50) 1,2-Dibromoethane	11.233	107	171831	47.942	ug/L	100
53) m,p-Xylene	11.837	106	482071	49.672	ug/L	100
54) o-Xylene	12.166	106	596584	66.491	ug/L	91

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Quant Title : SFAM01.0
QLast Update : Fri Nov 01 03:09:59 2024
Response via : Initial Calibration

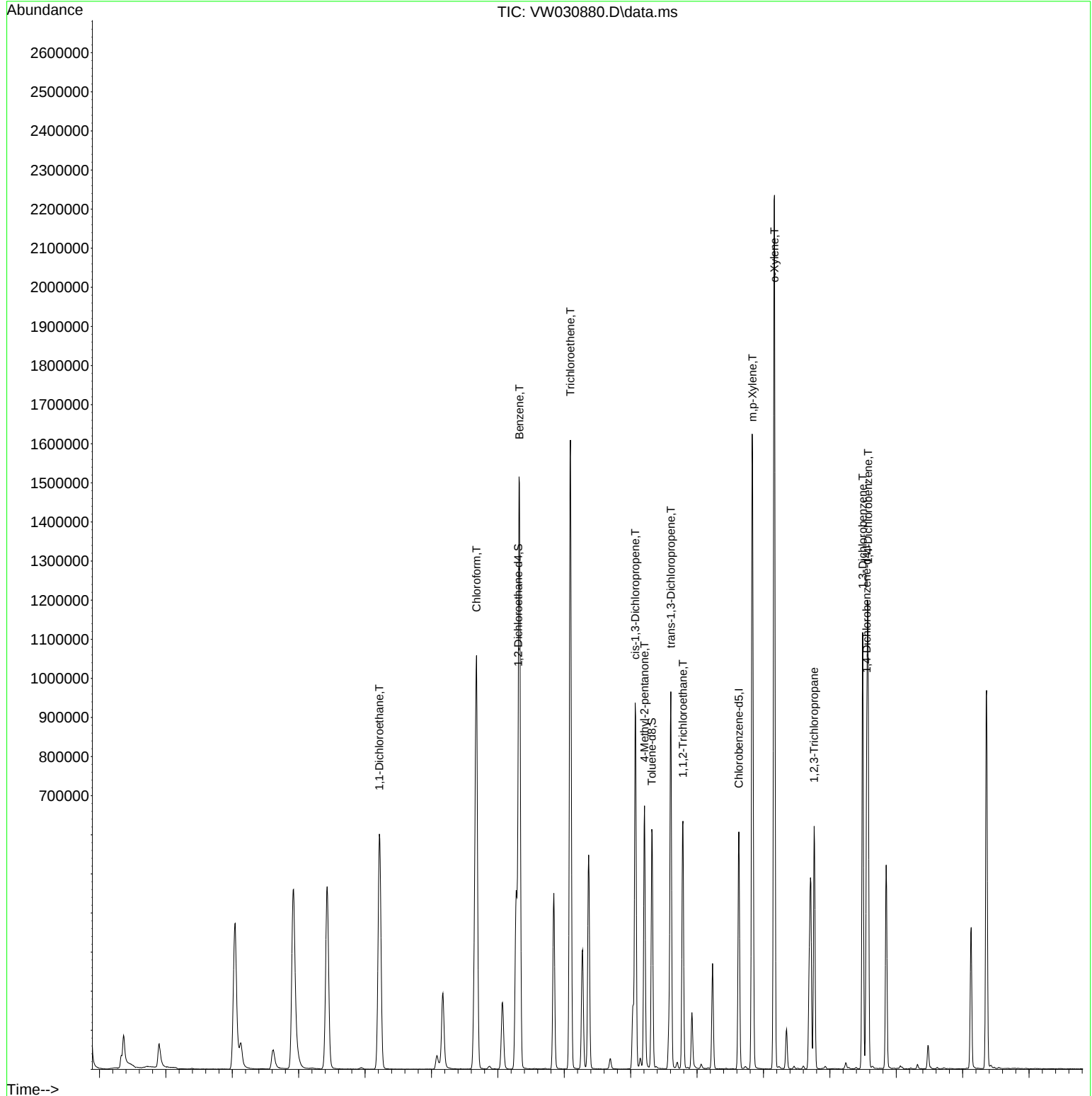
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.714	83	225853	52.141	ug/L	96
59) Bromoform	12.349	173	42840	18.904	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	253407	80.736	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	430002	39.548	ug/L	87
65) 1,4-Dichlorobenzene	13.574	146	428365	38.156	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.482	75	16051	22.935	ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	105878	18.343	ug/L	96

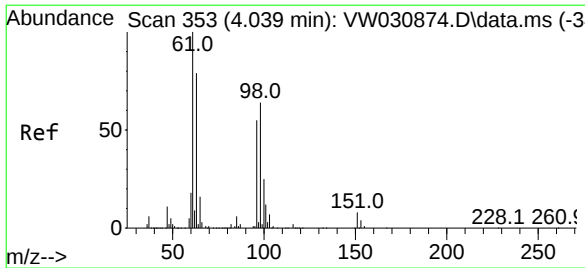
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 40.795 ug/L

RT: 4.045 min Scan# 35

Delta R.T. 0.006 min

Lab File: VW030880.D

Acq: 01 Nov 2024 12:26

Instrument :

MSVOA_W

ClientSampleId :

A4EA6

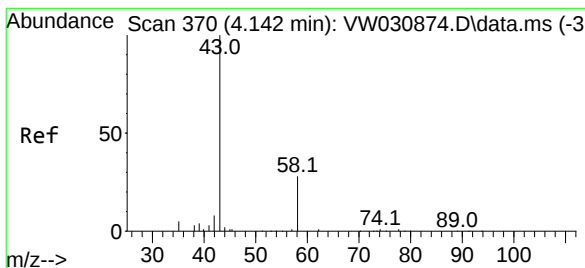
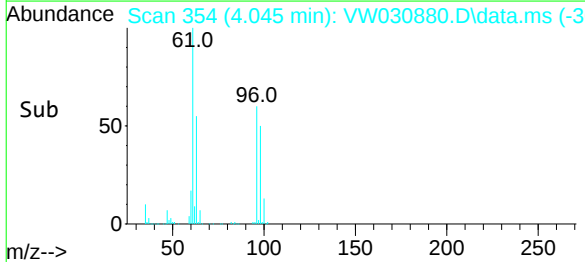
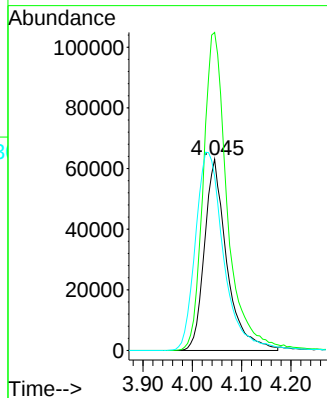
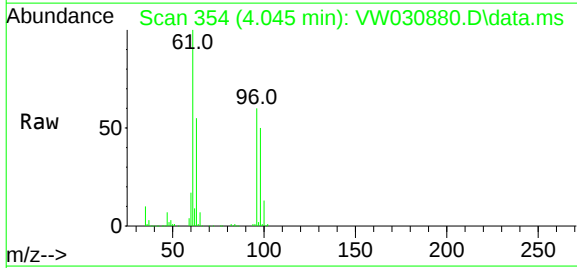
Tgt Ion: 96 Resp: 199166

Ion Ratio Lower Upper

96 100

61 166.3 121.3 225.3

63 91.1 87.6 162.8



#13

Acetone

Concen: 57.922 ug/L

RT: 4.131 min Scan# 368

Delta R.T. 0.018 min

Lab File: VW030880.D

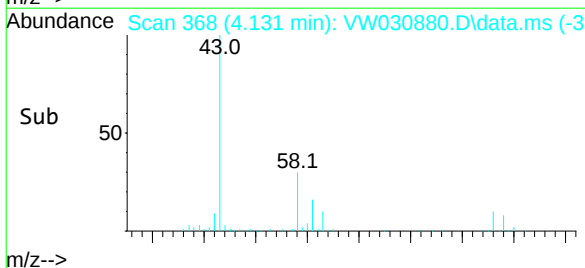
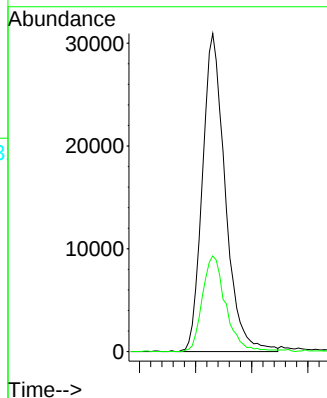
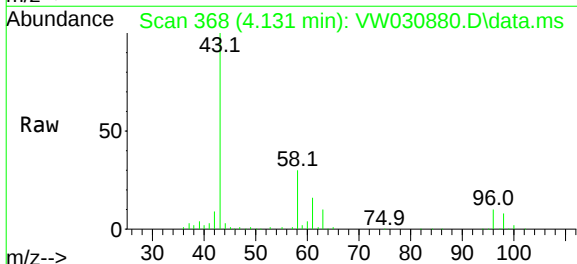
Acq: 01 Nov 2024 12:26

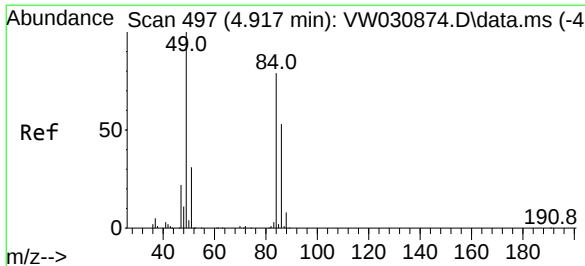
Tgt Ion: 43 Resp: 87288

Ion Ratio Lower Upper

43 100

58 30.6 0.0 57.6





#16

Methylene chloride

Concen: 79.380 ug/L

RT: 4.923 min Scan# 49

Delta R.T. 0.006 min

Lab File: VW030880.D

Acq: 01 Nov 2024 12:26

Instrument :

MSVOA_W

ClientSampleId :

A4EA6

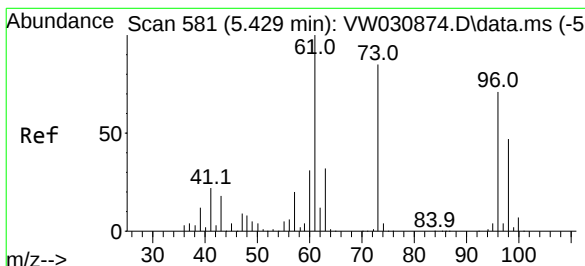
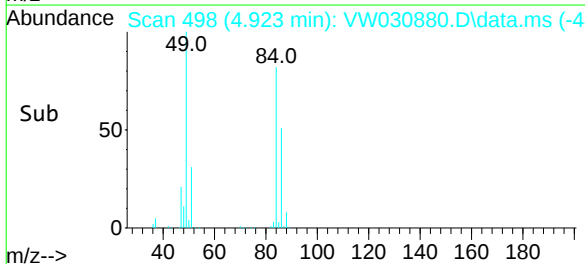
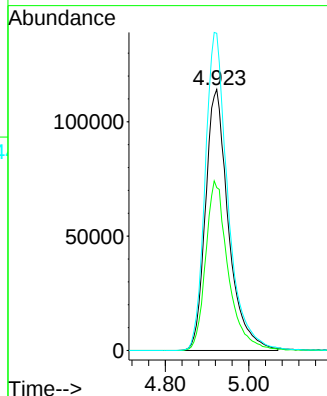
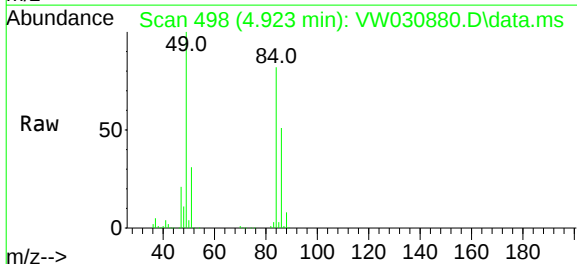
Tgt Ion: 84 Resp: 436687

Ion Ratio Lower Upper

84 100

86 62.4 43.8 81.3

49 121.5 88.3 164.1



#17

trans-1,2-Dichloroethene

Concen: 31.004 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW030880.D

Acq: 01 Nov 2024 12:26

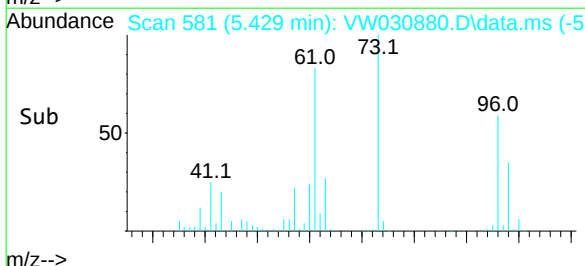
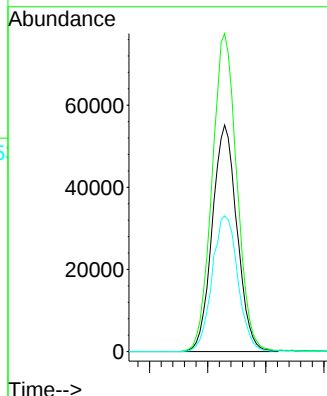
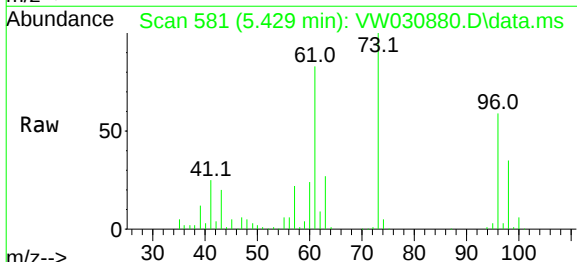
Tgt Ion: 96 Resp: 163330

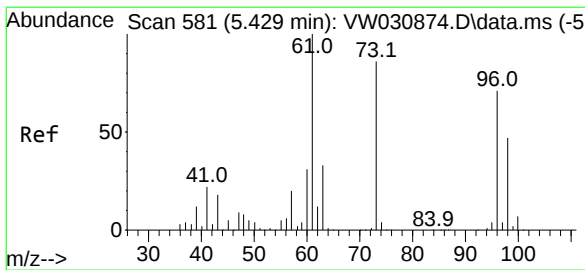
Ion Ratio Lower Upper

96 100

61 140.4 96.9 179.9

98 59.9 42.2 78.4





#18

Methyl tert-butyl Ether

Concen: 44.220 ug/L

RT: 5.423 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW030880.D

Acq: 01 Nov 2024 12:26

Instrument :

MSVOA_W

ClientSampleId :

A4EA6

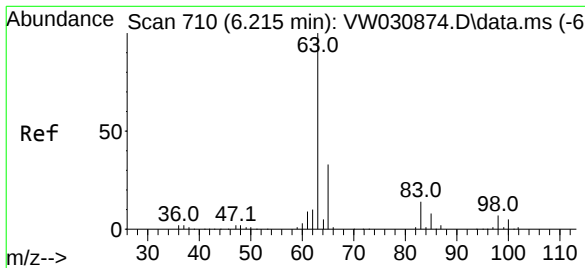
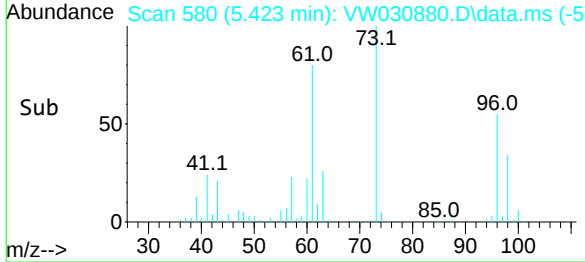
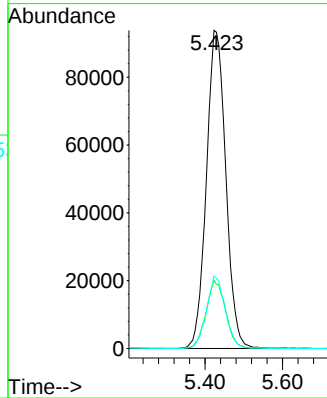
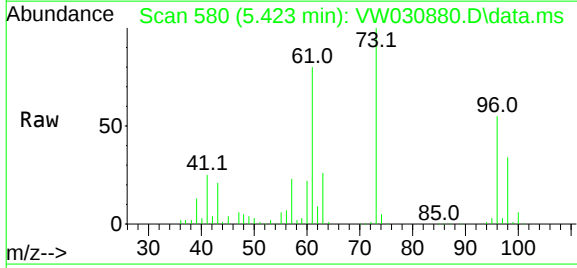
Tgt Ion: 73 Resp: 326038

Ion Ratio Lower Upper

73 100

43 21.2 18.1 27.1

57 21.9 17.7 26.5



#19

1,1-Dichloroethane

Concen: 89.054 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW030880.D

Acq: 01 Nov 2024 12:26

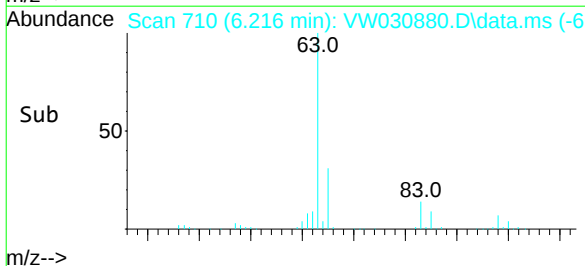
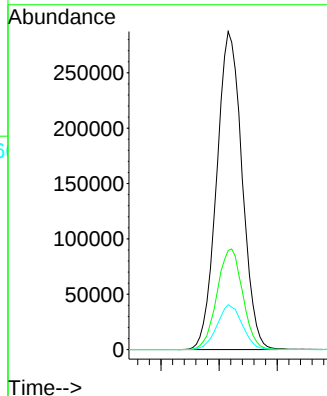
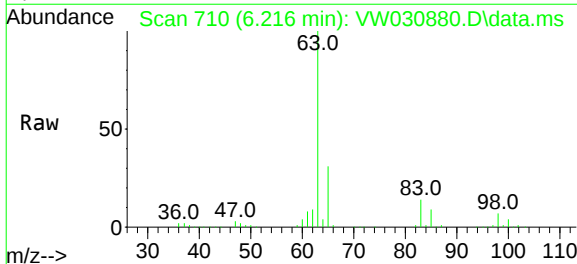
Tgt Ion: 63 Resp: 871950

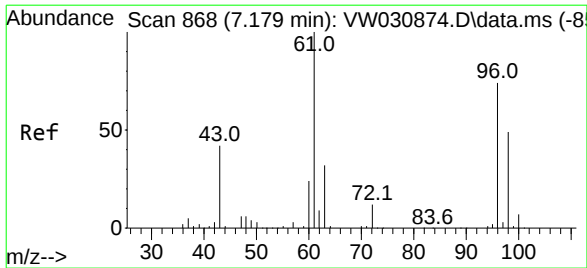
Ion Ratio Lower Upper

63 100

65 31.2 22.5 41.9

83 14.1 9.8 18.2

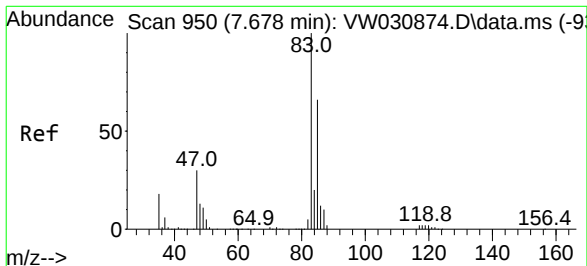
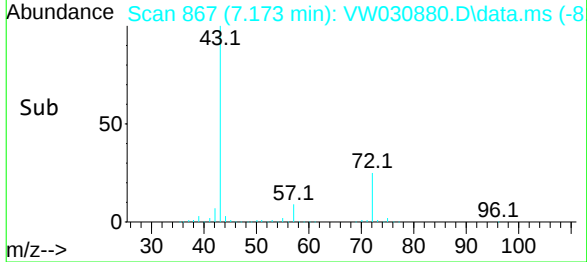
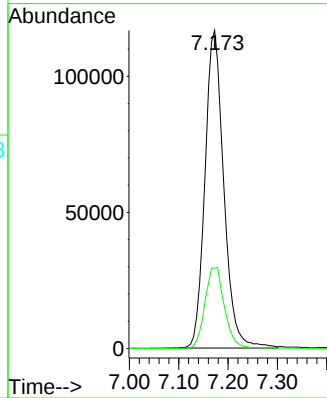
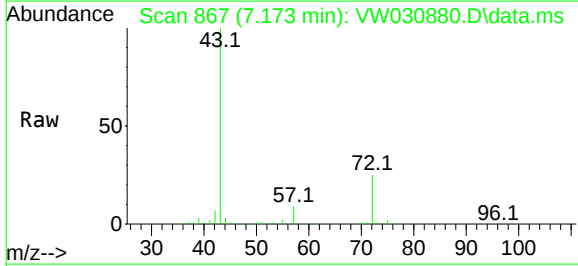




#22
2-Butanone
Concen: 190.308 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW030880.D
Acq: 01 Nov 2024 12:26

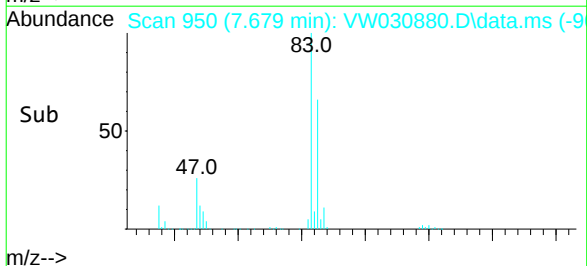
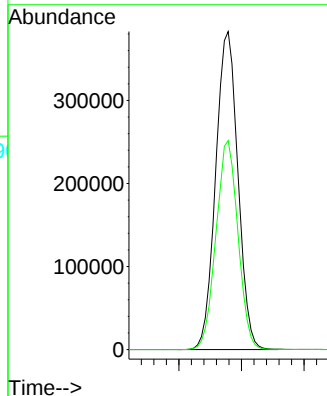
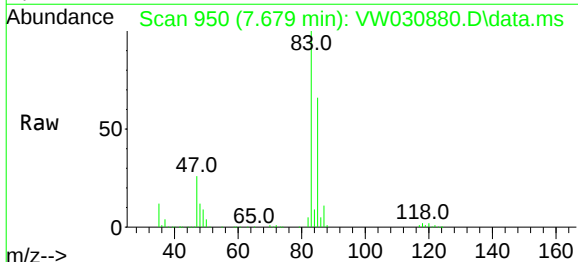
Instrument :
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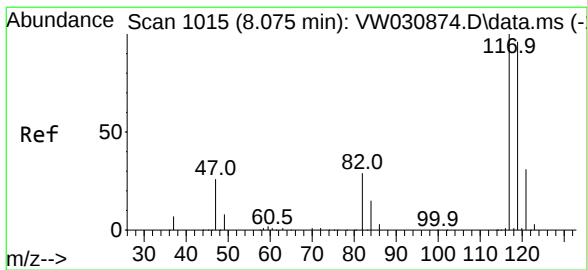
Tgt Ion: 43 Resp: 309142
Ion Ratio Lower Upper
43 100
72 26.6 14.4 43.0



#25
Chloroform
Concen: 90.321 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW030880.D
Acq: 01 Nov 2024 12:26

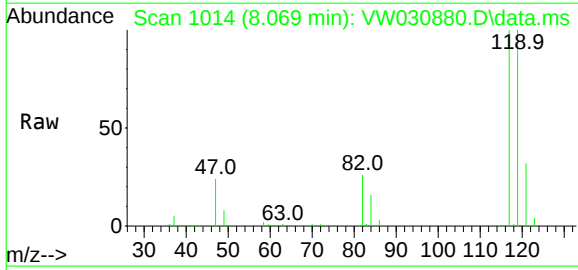
Tgt Ion: 83 Resp: 945059
Ion Ratio Lower Upper
83 100
85 65.7 45.1 83.7



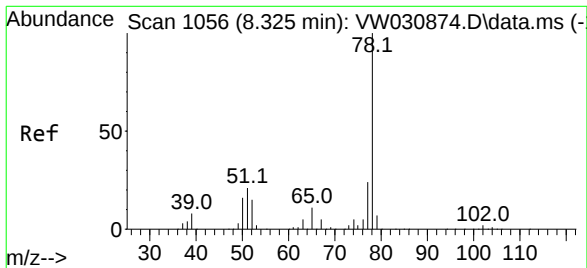
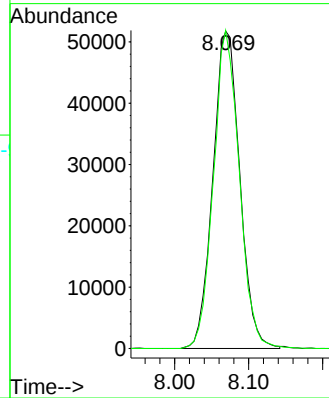
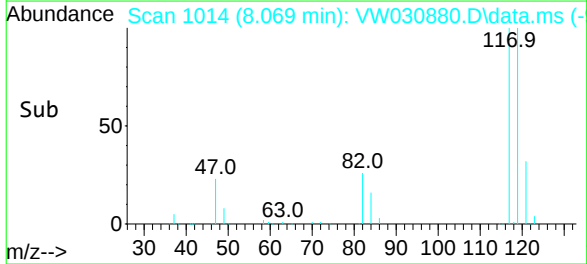


#31
Carbon tetrachloride
Concen: 16.863 ug/L
RT: 8.069 min Scan# 1015
Delta R.T. 0.006 min
Lab File: VW030880.D
Acq: 01 Nov 2024 12:26

Instrument :
MSVOA_W
ClientSampleId :
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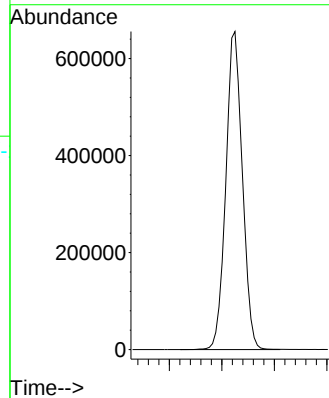
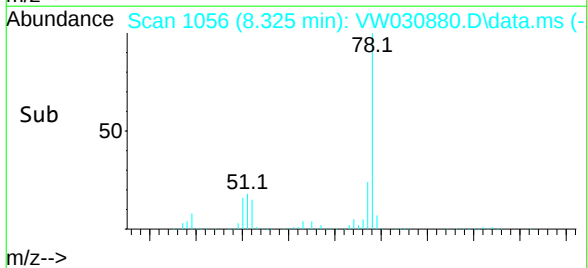
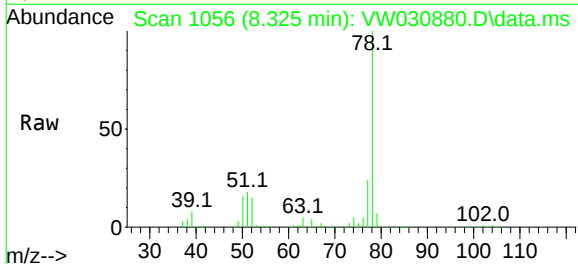


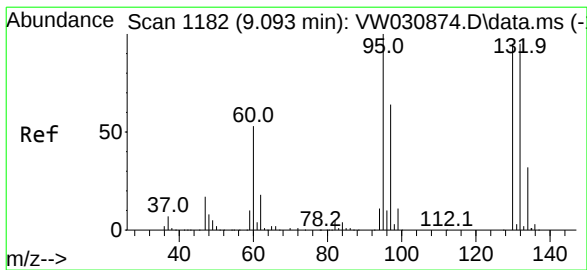
Tgt Ion:117 Resp: 130737
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.8



#33
Benzene
Concen: 67.337 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW030880.D
Acq: 01 Nov 2024 12:26

Tgt Ion: 78 Resp: 1432906





#34

Trichloroethene

Concen: 94.946 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.006 min

Lab File: VW030880.D

Acq: 01 Nov 2024 12:26

Instrument :

MSVOA_W

ClientSampleId :

A4EA6

Tgt Ion: 95 Resp: 562099

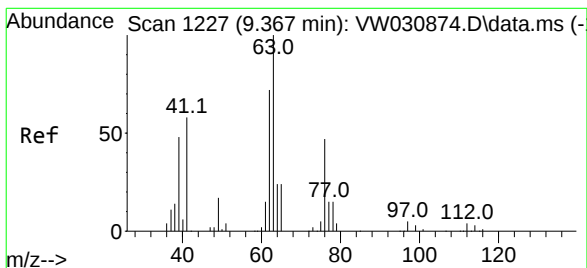
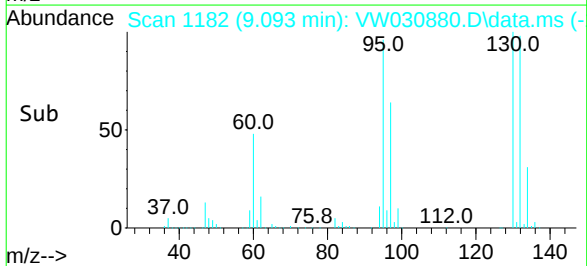
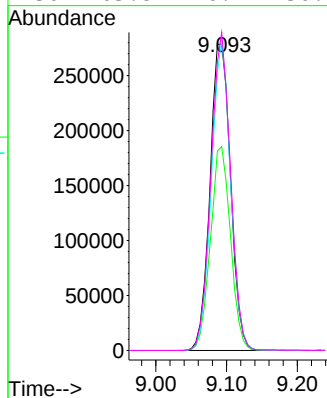
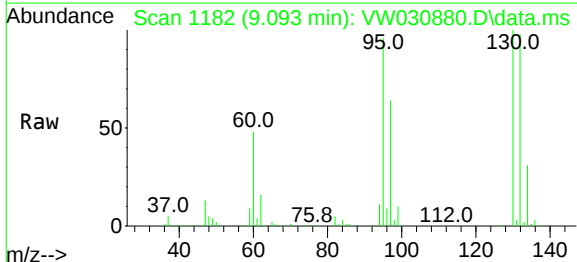
Ion Ratio Lower Upper

95 100

97 66.5 45.9 85.3

132 101.5 66.4 123.2

130 103.8 70.4 130.8



#37

1,2-Dichloropropane

Concen: 38.009 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW030880.D

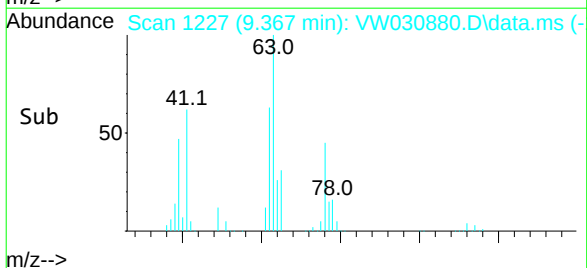
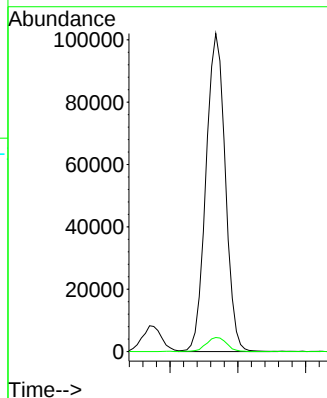
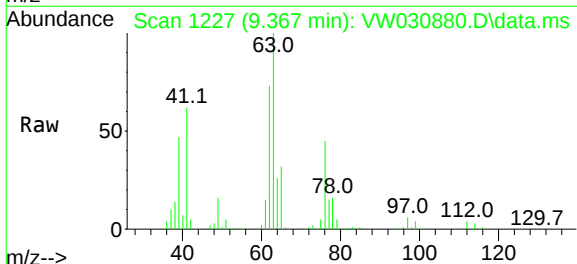
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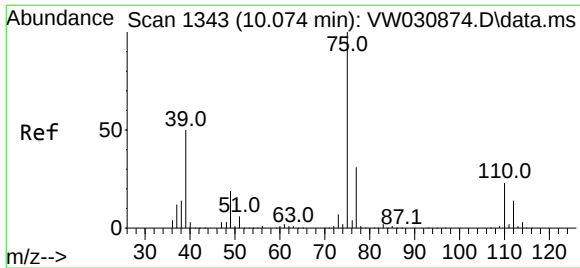
Tgt Ion: 63 Resp: 202005

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5

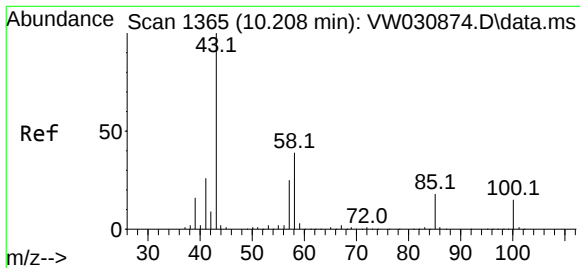
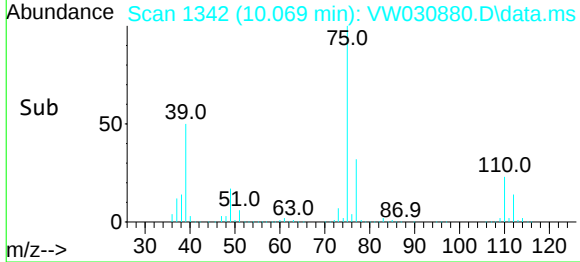
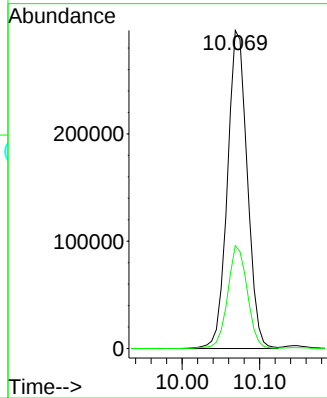
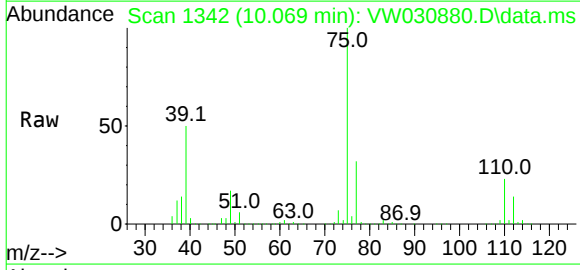




#39
 cis-1,3-Dichloropropene
 Concen: 65.633 ug/L
 RT: 10.069 min Scan# 1342
 Delta R.T. 0.000 min
 Lab File: VW030880.D
 Acq: 01 Nov 2024 12:26

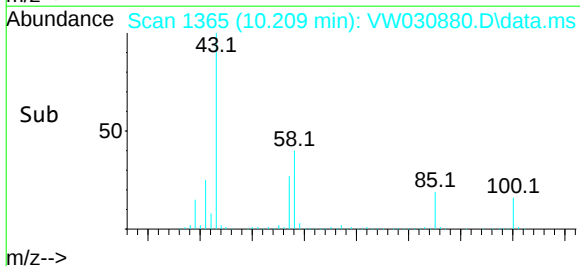
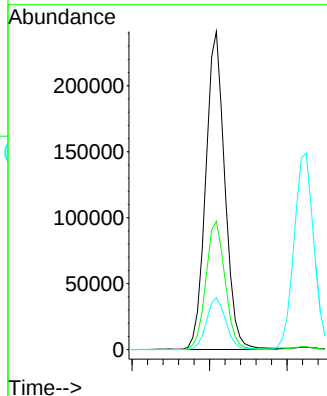
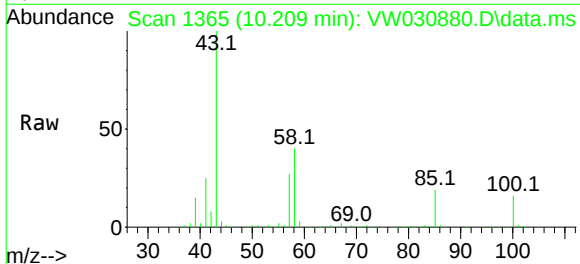
Instrument :
 MSVOA_W
 ClientSampleId :
 A4EA6

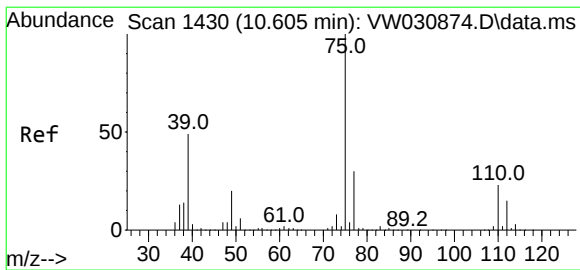
Tgt Ion: 75 Resp: 526155
 Ion Ratio Lower Upper
 75 100
 77 32.3 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 161.777 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. 0.000 min
 Lab File: VW030880.D
 Acq: 01 Nov 2024 12:26

Tgt Ion: 43 Resp: 413056
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.4 47.2
 100 16.5 13.1 19.7

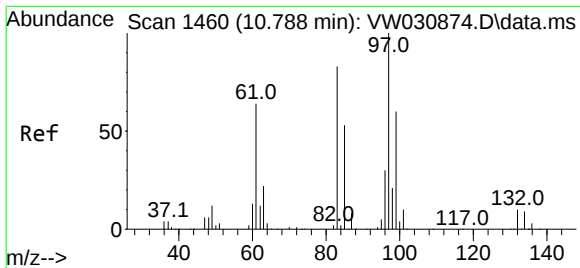
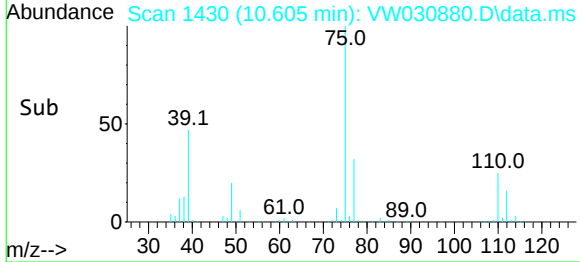
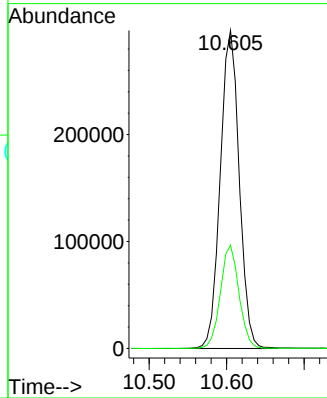
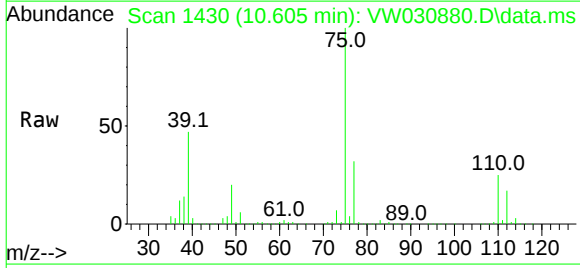




#44
trans-1,3-Dichloropropene
Concen: 74.894 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW030880.D
Acq: 01 Nov 2024 12:26

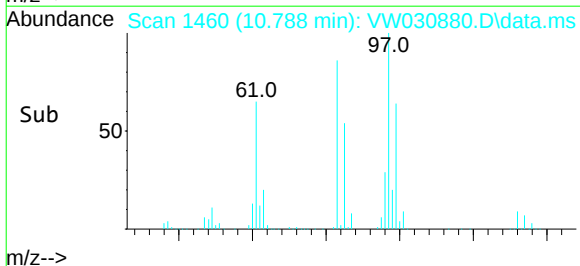
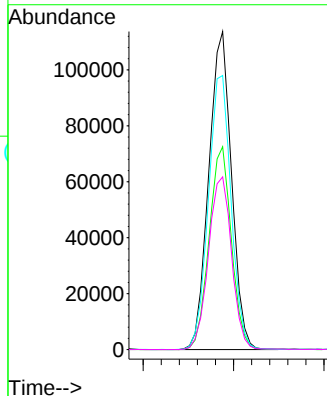
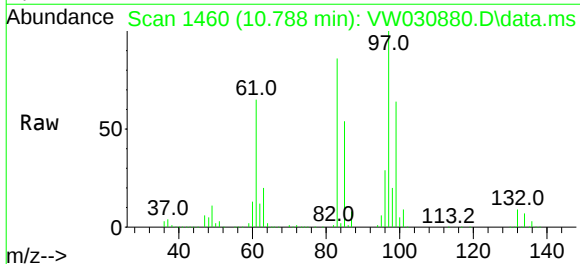
Instrument :
MSVOA_W
ClientSampleId :
A4EA6

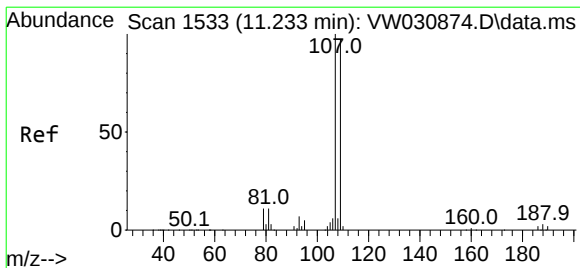
Tgt Ion: 75 Resp: 504525
Ion Ratio Lower Upper
75 100
77 32.4 21.6 40.2



#45
1,1,2-Trichloroethane
Concen: 51.663 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VW030880.D
Acq: 01 Nov 2024 12:26

Tgt Ion: 97 Resp: 198444
Ion Ratio Lower Upper
97 100
99 63.8 41.2 76.6
83 86.2 59.6 110.6
85 54.3 37.7 69.9





#50

1,2-Dibromoethane

Concen: 47.942 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW030880.D

Acq: 01 Nov 2024 12:26

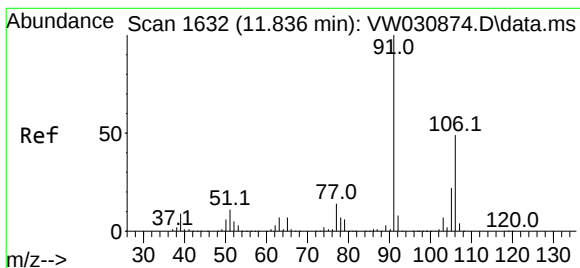
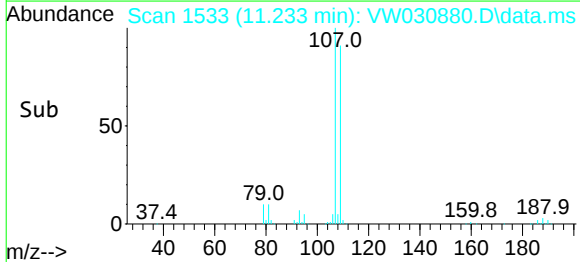
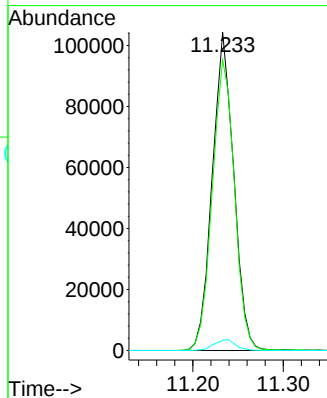
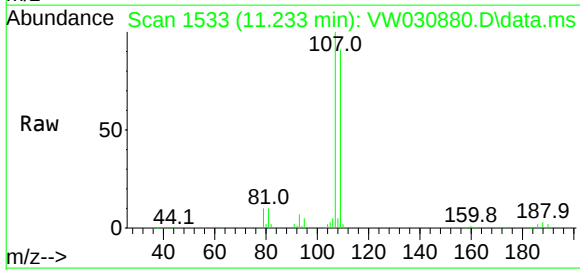
Instrument :

MSVOA_W

ClientSampleId :

A4EA6

Tgt Ion:	107	Resp:	171831
Ion	Ratio	Lower	Upper
107	100		
109	91.3	63.8	118.6
188	3.2	2.6	3.8



#53

m,p-Xylene

Concen: 49.672 ug/L

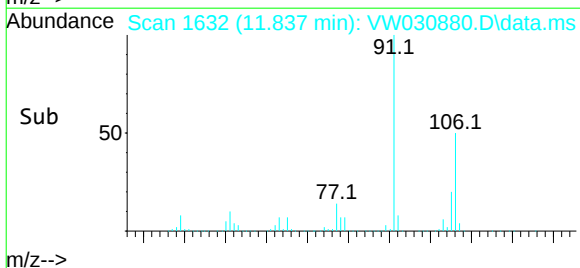
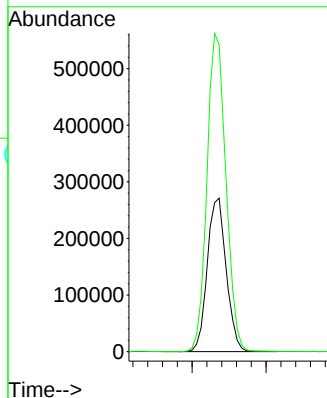
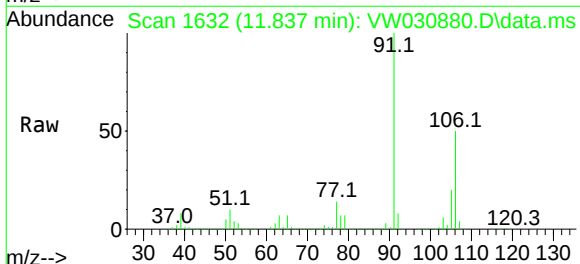
RT: 11.837 min Scan# 1632

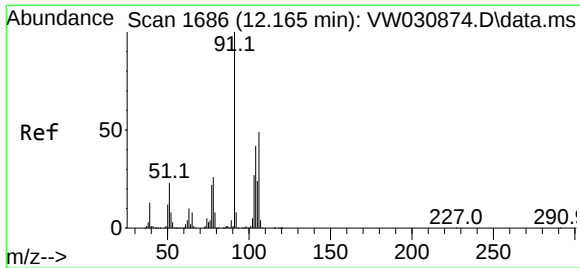
Delta R.T. 0.000 min

Lab File: VW030880.D

Acq: 01 Nov 2024 12:26

Tgt Ion:	106	Resp:	482071
Ion	Ratio	Lower	Upper
106	100		
91	200.3	140.6	261.2

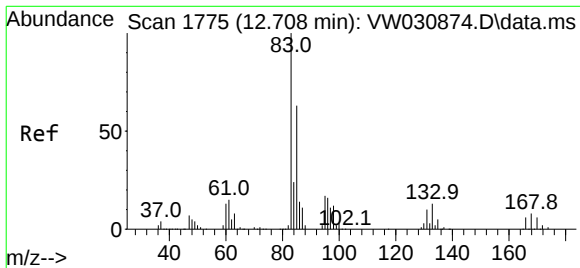
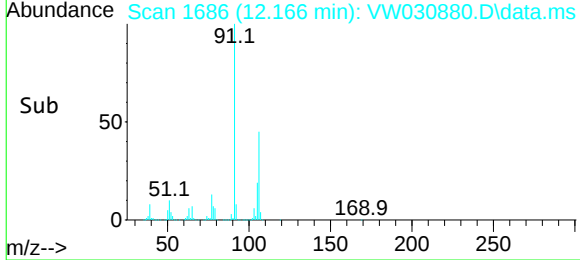
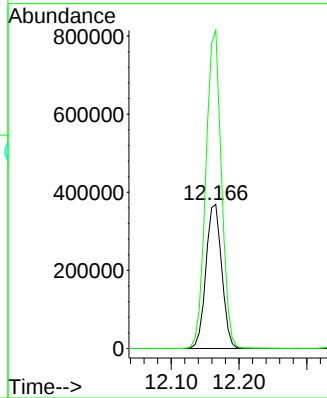
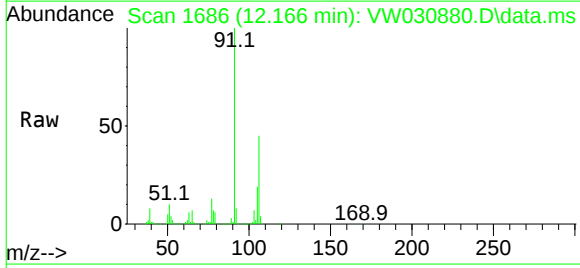




#54
o-Xylene
Concen: 66.491 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW030880.D
Acq: 01 Nov 2024 12:26

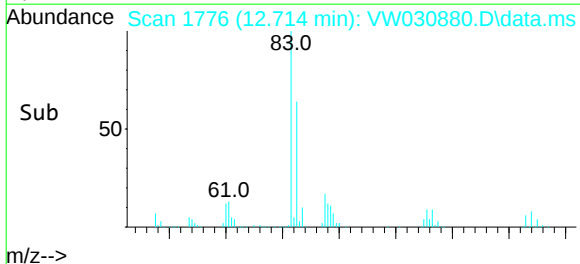
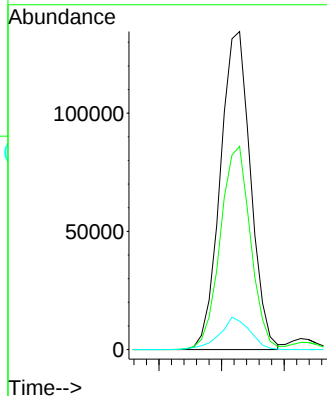
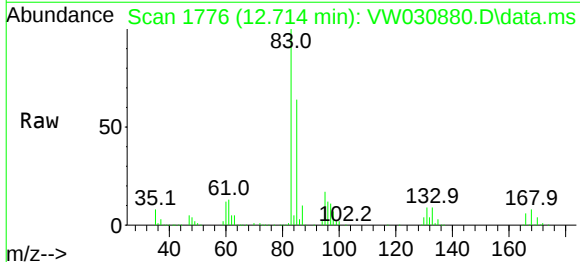
Instrument :
MSVOA_W
ClientSampleId :
A4EA6

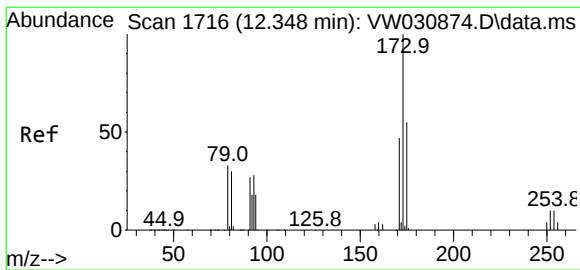
Tgt Ion: 106 Resp: 596584
Ion Ratio Lower Upper
106 100
91 220.7 144.5 268.4



#57
1,1,2,2-Tetrachloroethane
Concen: 52.141 ug/L
RT: 12.714 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VW030880.D
Acq: 01 Nov 2024 12:26

Tgt Ion: 83 Resp: 225853
Ion Ratio Lower Upper
83 100
85 63.9 42.6 79.2
131 8.9 7.4 11.0





#59

Bromoform

Concen: 18.904 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW030880.D

Acq: 01 Nov 2024 12:26

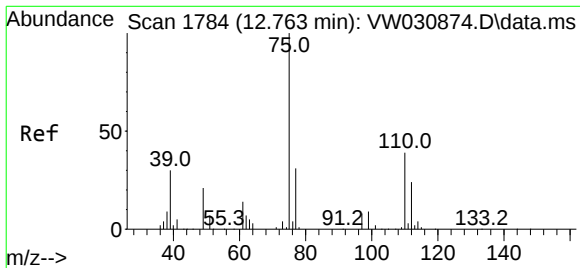
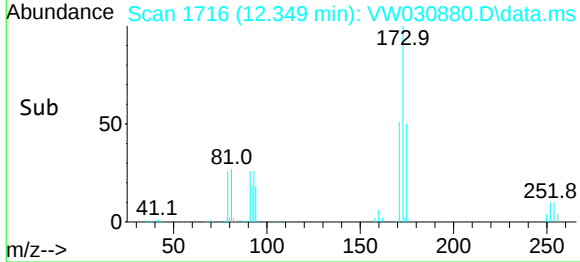
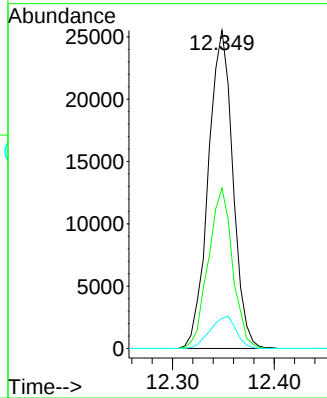
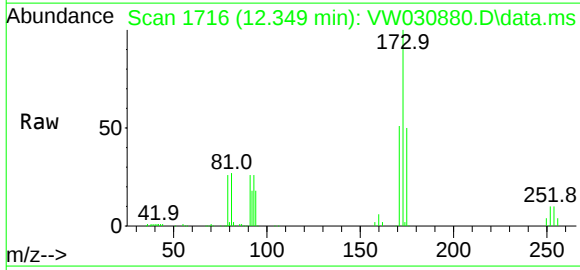
Instrument :

MSVOA_W

ClientSampleId :

A4EA6

Tgt Ion:	173	Resp:	42840
Ion	Ratio	Lower	Upper
173	100		
175	49.8	39.0	58.4
254	10.7	7.7	11.5



#61

1,2,3-Trichloropropane

Concen: 80.736 ug/L

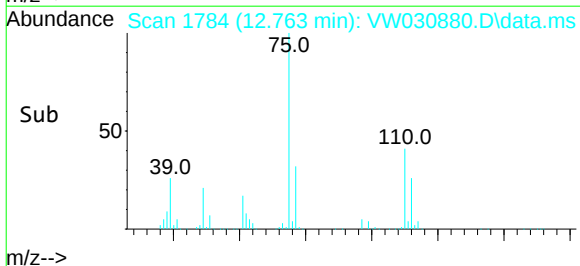
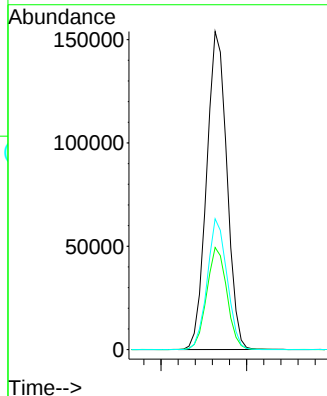
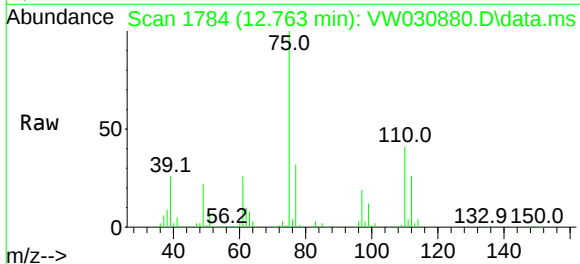
RT: 12.763 min Scan# 1784

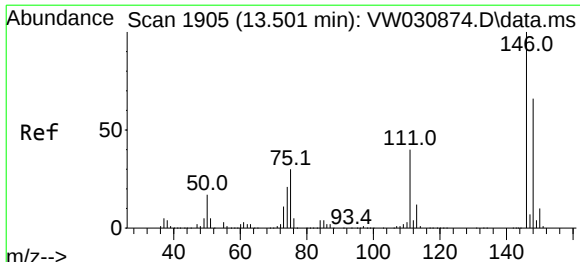
Delta R.T. 0.000 min

Lab File: VW030880.D

Acq: 01 Nov 2024 12:26

Tgt Ion:	75	Resp:	253407
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5
110	40.1	32.3	48.5

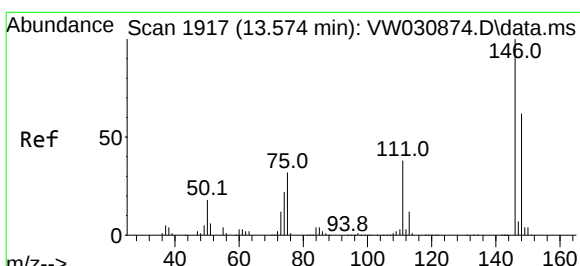
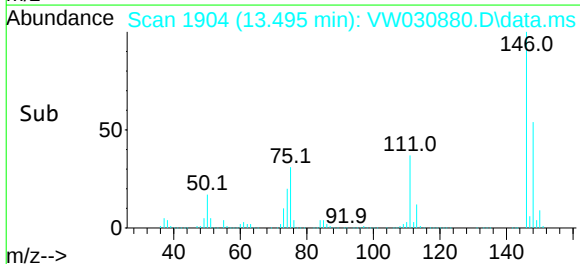
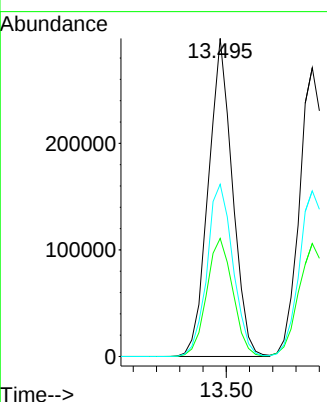
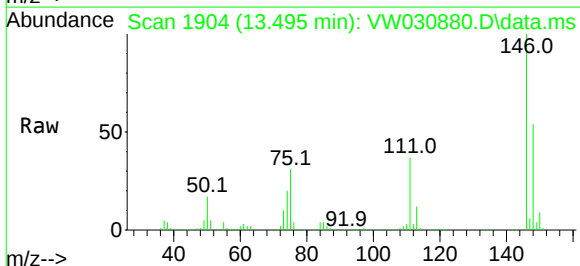




#64
 1,3-Dichlorobenzene
 Concen: 39.548 ug/L
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW030880.D
 Acq: 01 Nov 2024 12:26

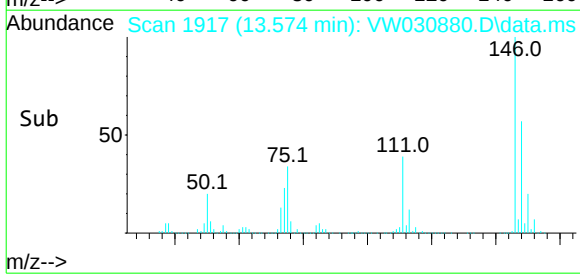
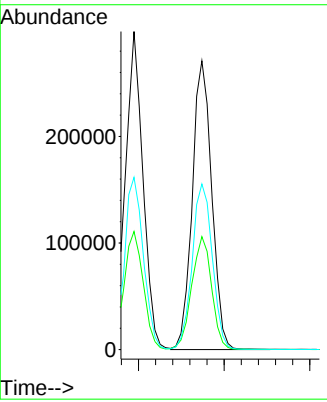
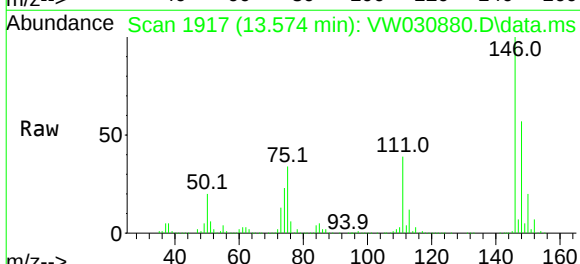
Instrument : MSVOA_W
 ClientSampleId : A4EA6

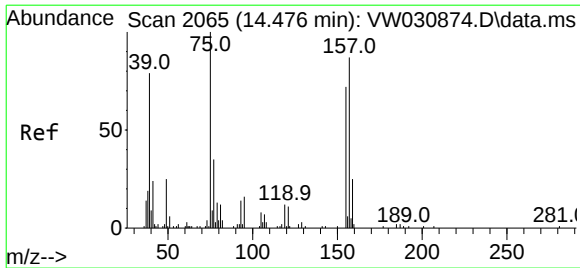
Tgt Ion:	146	Resp:	430002
Ion	Ratio	Lower	Upper
146	100		
111	37.1	31.2	58.0
148	54.1	45.7	84.9



#65
 1,4-Dichlorobenzene
 Concen: 38.156 ug/L
 RT: 13.574 min Scan# 1917
 Delta R.T. 0.000 min
 Lab File: VW030880.D
 Acq: 01 Nov 2024 12:26

Tgt Ion:	146	Resp:	428365
Ion	Ratio	Lower	Upper
146	100		
111	39.1	26.8	49.8
148	57.4	41.0	76.2

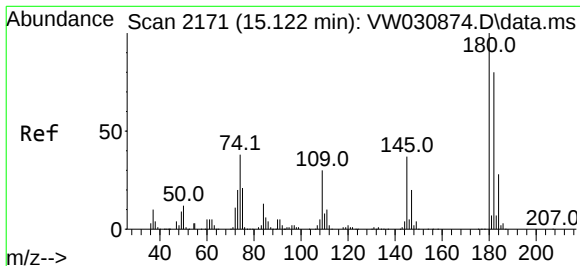
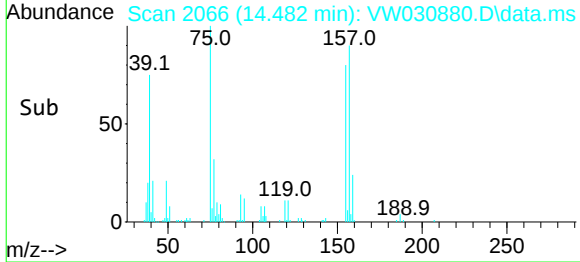
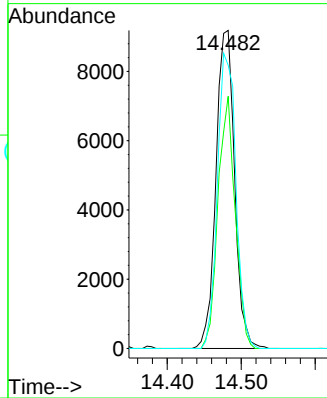
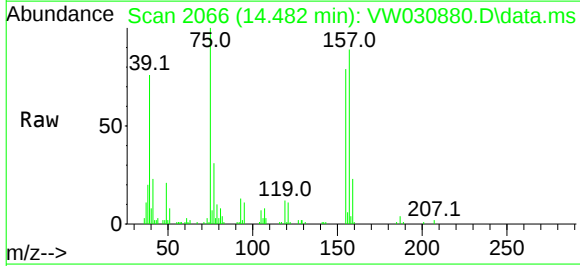




#68
1,2-Dibromo-3-chloropropane
Concen: 22.935 ug/L
RT: 14.482 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW030880.D
Acq: 01 Nov 2024 12:26

Instrument :
MSVOA_W
ClientSampleId :
A4EA6

Tgt Ion:	75	Resp:	16051
Ion Ratio	Lower	Upper	
75	100		
155	79.3	57.9	86.9
157	89.1	69.0	103.6



#70
1,2,4-trichlorobenzene
Concen: 18.343 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.000 min
Lab File: VW030880.D
Acq: 01 Nov 2024 12:26

Tgt Ion:	180	Resp:	105878
Ion Ratio	Lower	Upper	
180	100		
182	97.8	75.2	112.8
145	33.3	25.4	38.2

