

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
 Data File : VW021629.D
 Acq On : 23 Dec 2021 22:17
 Operator : SY/VA
 Sample : M5154-03
 Misc : 6.91g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 24 01:47:53 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	134554	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	125446	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	71531	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	33576	13.701	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.800%
7) Chloroethane-d5	2.879	69	25424	15.694	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.760%
11) 1,1-Dichloroethene-d2	4.013	63	43876	13.430	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.720%
21) 2-Butanone-d5	7.086	46	14729	42.639	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.280%
24) Chloroform-d	7.647	84	76721	20.460	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.840%
26) 1,2-Dichloroethane-d4	8.305	65	40361	20.235	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.960%
32) Benzene-d6	8.275	84	142262	20.689	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.760%
36) 1,2-Dichloropropane-d6	9.274	67	42385	22.984	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.920%
41) Toluene-d8	10.323	98	140200	19.956	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.840%
43) trans-1,3-Dichloroprop...	10.579	79	15674	18.459	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.840%
47) 2-Hexanone-d5	10.927	63	13046	47.842	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.680%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	33932	21.405	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.600%
66) 1,2-Dichlorobenzene-d4	13.853	152	51838	18.699	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	74.800%#
Target Compounds						
					Qvalue	
13) Acetone	4.147	43	5672	18.316	ug/L	68
15) Methyl Acetate	4.903	43	610	1.142	ug/L	# 56
22) 2-Butanone	7.183	43	1759	4.350	ug/L	98
29) Cyclohexane	7.927	56	3958	1.585	ug/L	# 44
35) Methylcyclohexane	9.335	83	6900	2.181	ug/L	# 38
39) cis-1,3-Dichloropropene	10.030	75	1359	0.566	ug/L	# 49
45) 1,1,2-Trichloroethane	10.762	97	8660	6.941	ug/L	# 21
52) Ethylbenzene	11.731	91	1962332	214.856	ug/L	95
53) m,p-Xylene	11.835	106	1602722	434.998	ug/L	82
54) o-Xylene	12.164	106	538024	153.867	ug/L	96
55) Styrene	12.164	104	26900	4.520	ug/L	# 1
60) Isopropylbenzene	12.463	105	303991	31.276	ug/L	96
61) 1,2,3-Trichloropropane	12.804	75	1230	1.182	ug/L	# 1
62) 1,3,5-Trimethylbenzene	12.938	105	294135	35.563	ug/L	91
63) 1,2,4-Trimethylbenzene	13.249	105	1266532	155.231	ug/L	96
64) 1,3-Dichlorobenzene	13.499	146	4845	1.057	ug/L	# 56
67) 1,2-Dichlorobenzene	13.871	146	8354	2.070	ug/L	# 85
68) 1,2-Dibromo-3-chloropr...	14.487	75	9114	42.444	ug/L	# 10
70) 1,2,4-trichlorobenzene	15.133	180	25089	9.103	ug/L	# 42

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Quant Title : SFAM01.0
QLast Update : Fri Dec 24 01:43:02 2021
Response via : Initial Calibration

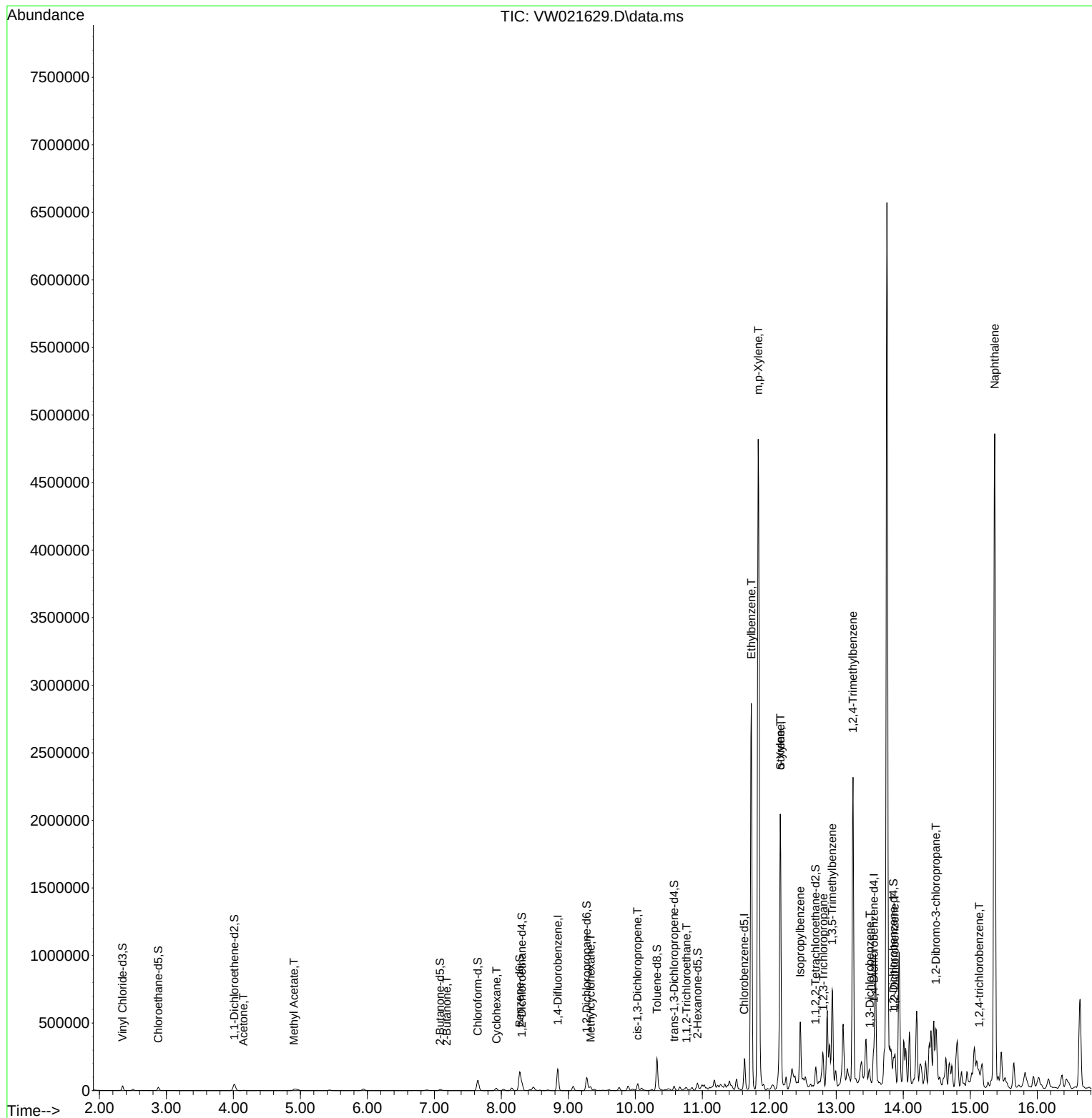
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.365	128	4310175	962.590	ug/L	98

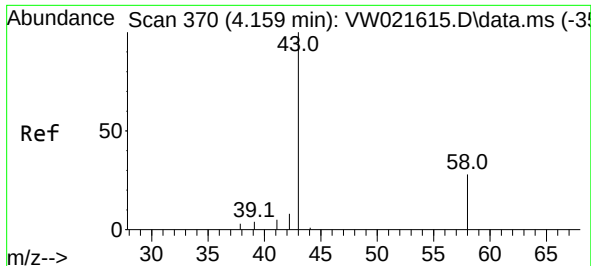
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

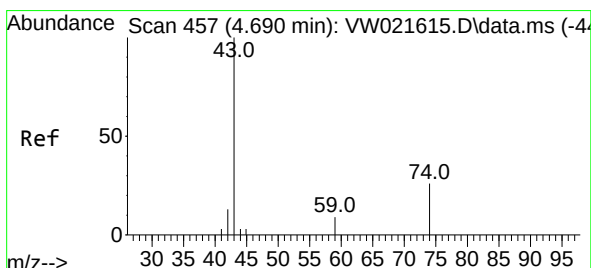
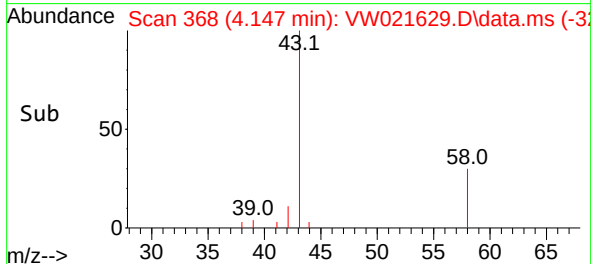
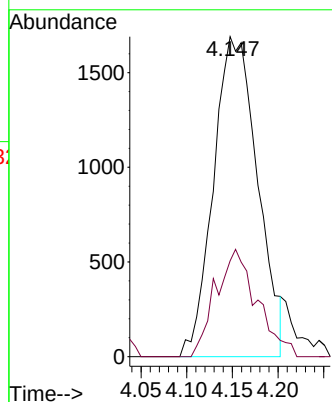
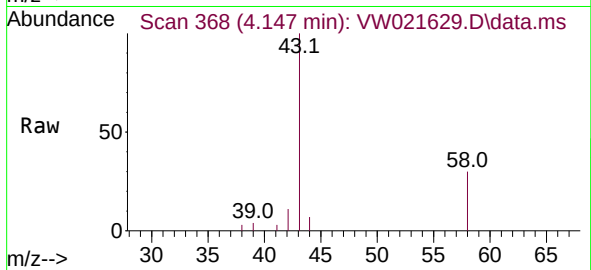




#13
Acetone
Concen: 18.316 ug/L
RT: 4.147 min Scan# 30
Delta R.T. -0.012 min
Lab File: VW021629.D
Acq: 23 Dec 2021 22:17

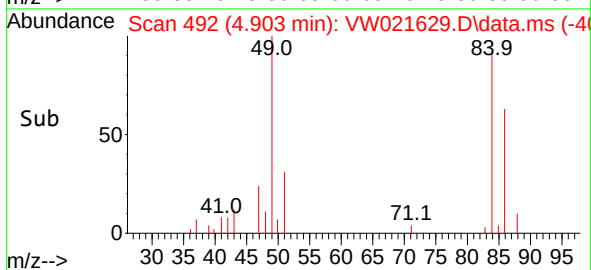
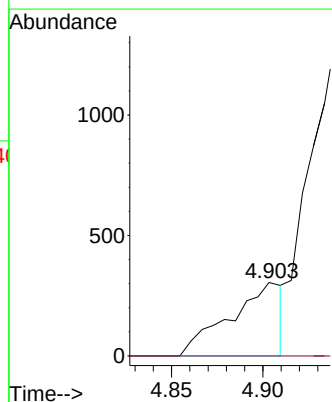
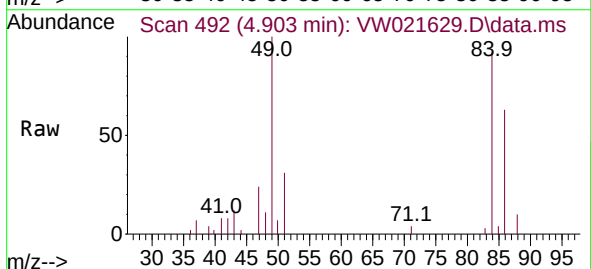
Instrument :
MSVOA_W
ClientSampleId :

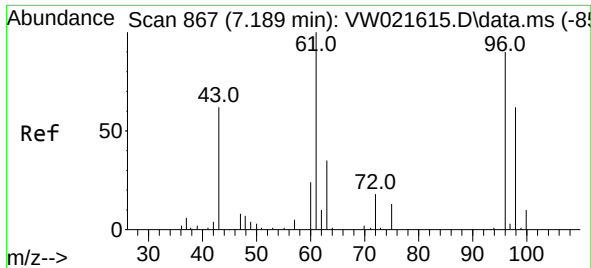
Tgt Ion: 43 Resp: 5672
Ion Ratio Lower Upper
43 100
58 9.9 0.0 52.8



#15
Methyl Acetate
Concen: 1.142 ug/L
RT: 4.903 min Scan# 492
Delta R.T. 0.213 min
Lab File: VW021629.D
Acq: 23 Dec 2021 22:17

Tgt Ion: 43 Resp: 610
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#

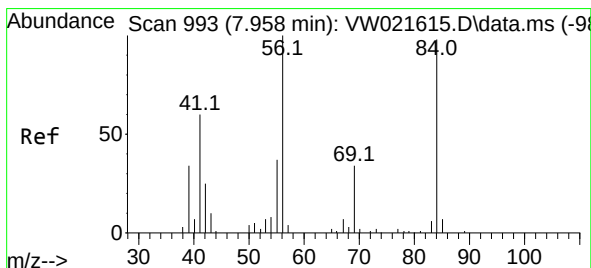
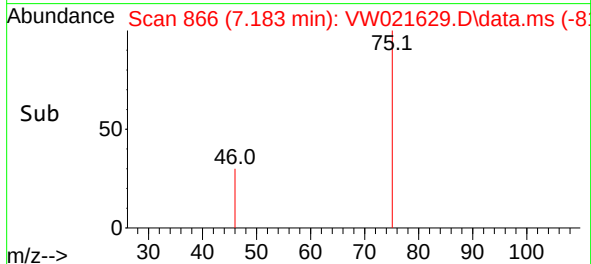
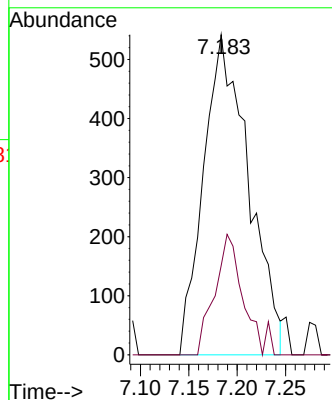
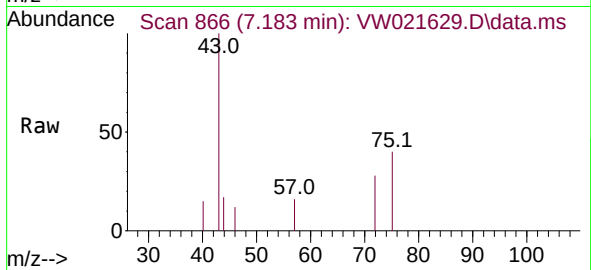




#22
2-Butanone
Concen: 4.350 ug/L
RT: 7.183 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW021629.D
Acq: 23 Dec 2021 22:17

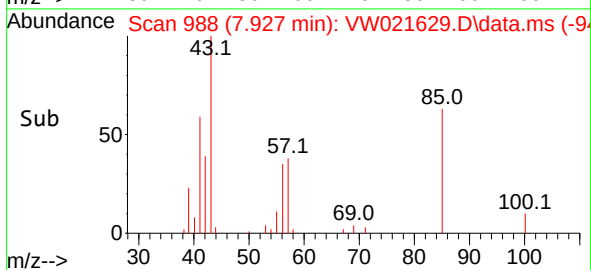
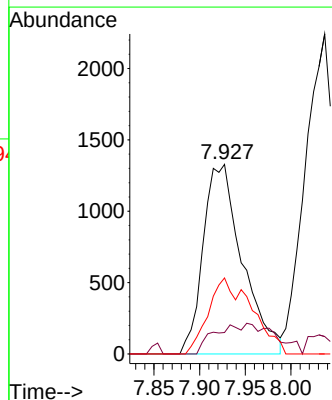
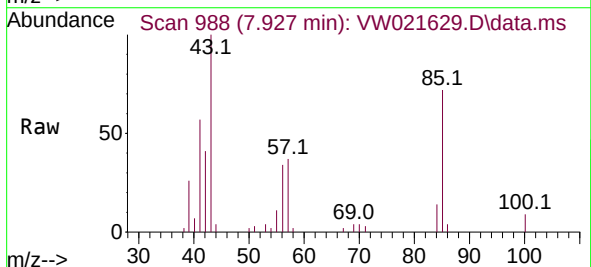
Instrument :
MSVOA_W
ClientSampleId :

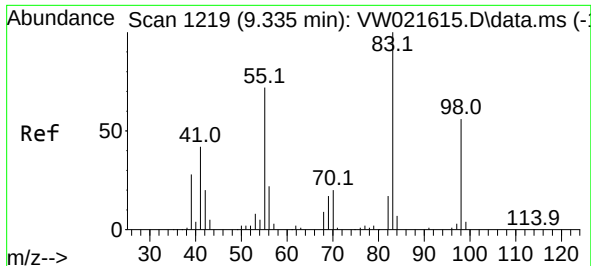
Tgt Ion: 43 Resp: 1759
Ion Ratio Lower Upper
43 100
72 22.9 11.8 35.4



#29
Cyclohexane
Concen: 1.585 ug/L
RT: 7.927 min Scan# 988
Delta R.T. -0.030 min
Lab File: VW021629.D
Acq: 23 Dec 2021 22:17

Tgt Ion: 56 Resp: 3958
Ion Ratio Lower Upper
56 100
69 5.3 23.5 35.3#
84 26.5 63.4 95.2#





#35

Methylcyclohexane

Concen: 2.181 ug/L

RT: 9.335 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW021629.D

Acq: 23 Dec 2021 22:17

Instrument :

MSVOA_W

ClientSampleId :

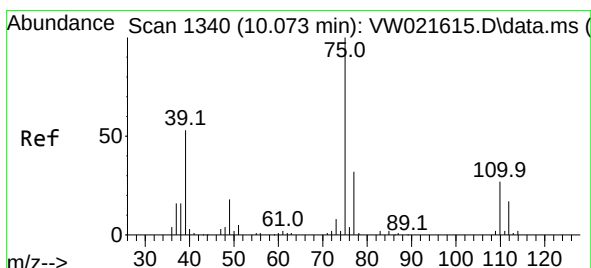
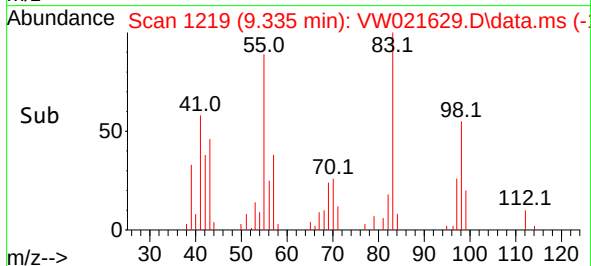
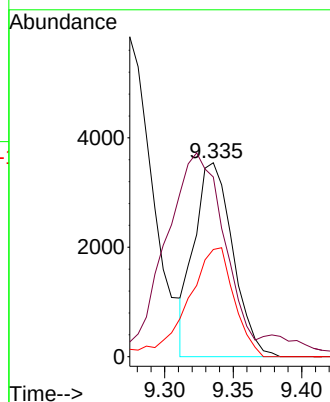
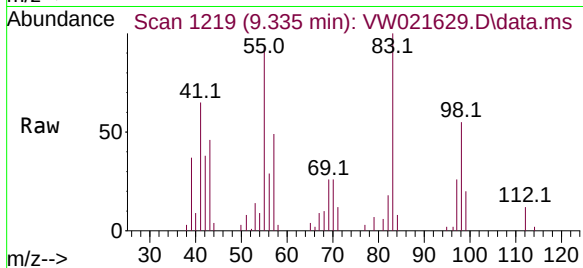
Tgt Ion: 83 Resp: 6900

Ion Ratio Lower Upper

83 100

55 161.4 70.8 106.2#

98 68.9 37.7 56.5#



#39

cis-1,3-Dichloropropene

Concen: 0.566 ug/L

RT: 10.030 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW021629.D

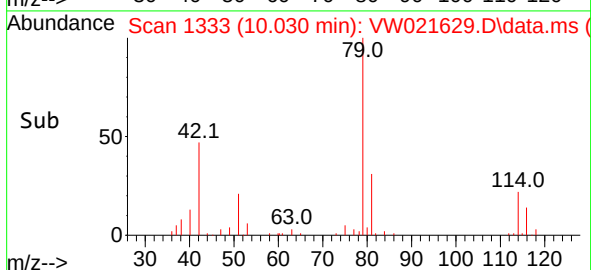
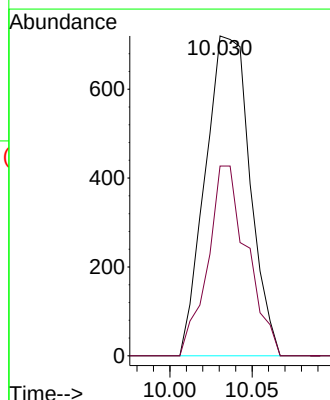
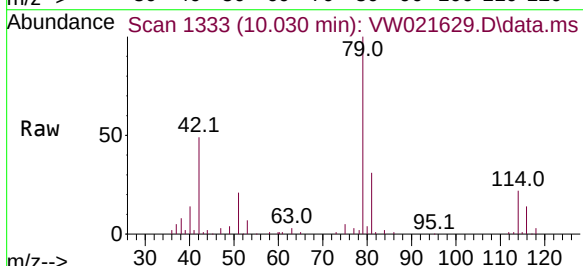
Acq: 23 Dec 2021 22:17

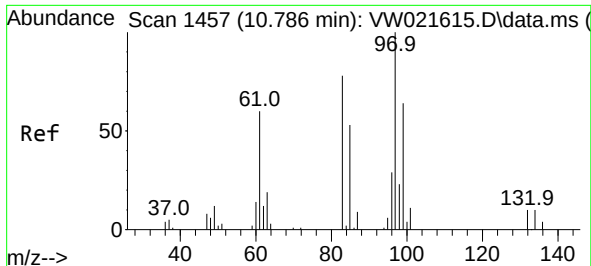
Tgt Ion: 75 Resp: 1359

Ion Ratio Lower Upper

75 100

77 59.3 21.8 40.6#





#45

1,1,2-Trichloroethane

Concen: 6.941 ug/L

RT: 10.762 min Scan# 1453

Delta R.T. -0.024 min

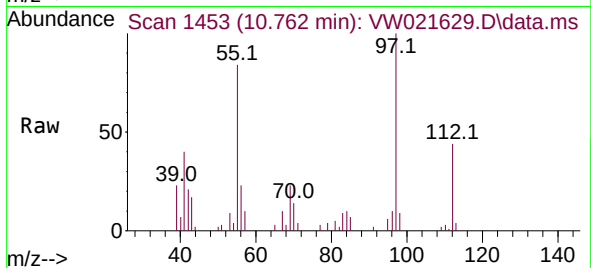
Lab File: VW021629.D

Acq: 23 Dec 2021 22:17

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 8660

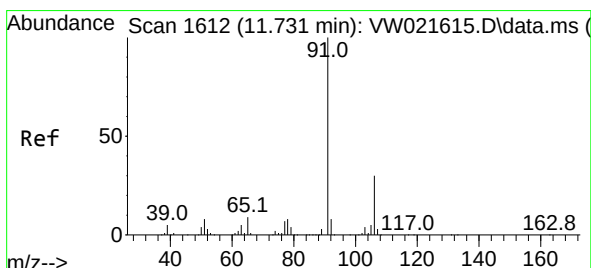
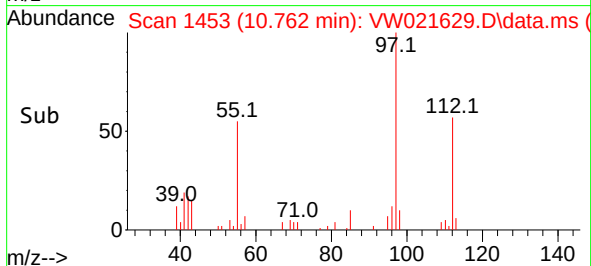
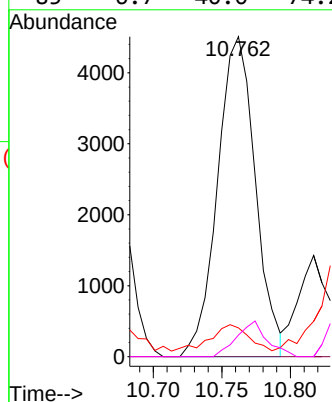
Ion Ratio Lower Upper

97 100

99 0.0 43.0 79.8#

83 9.0 62.6 116.3#

85 6.7 40.0 74.2#



#52

Ethylbenzene

Concen: 214.856 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. 0.000 min

Lab File: VW021629.D

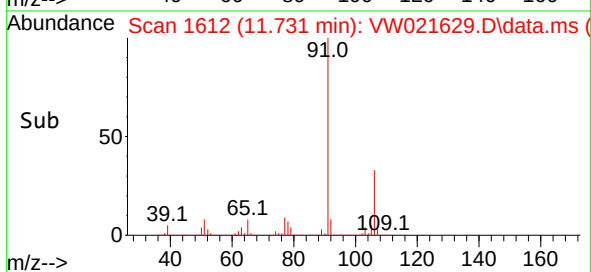
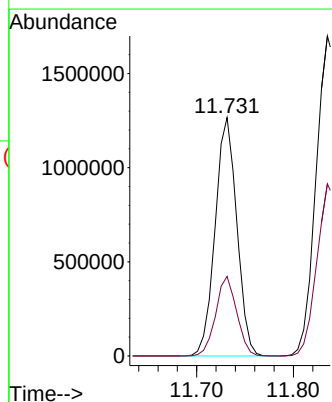
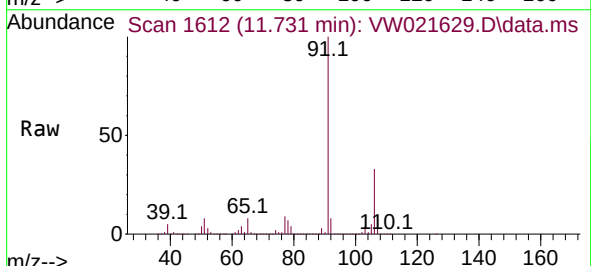
Acq: 23 Dec 2021 22:17

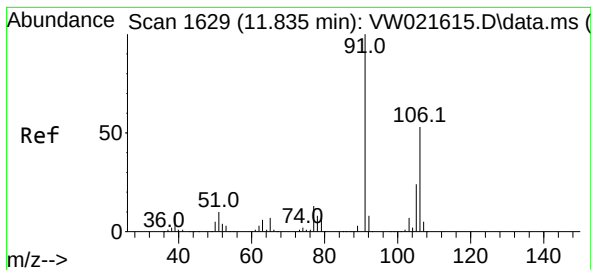
Tgt Ion: 91 Resp: 1962332

Ion Ratio Lower Upper

91 100

106 33.3 21.5 39.9

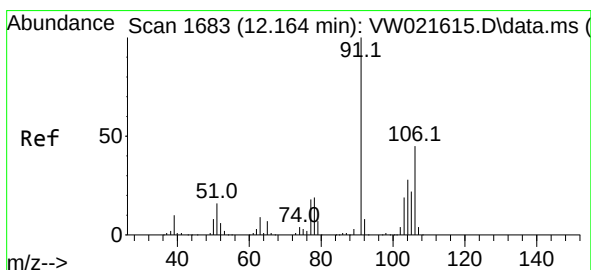
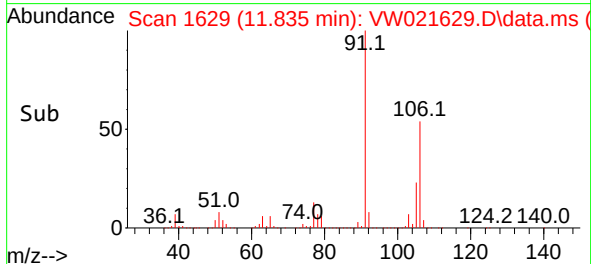
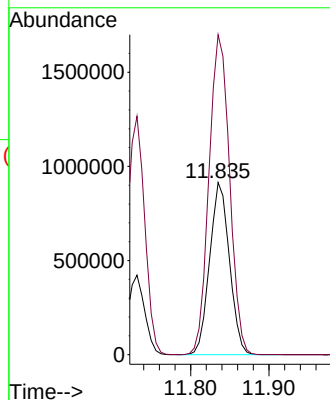
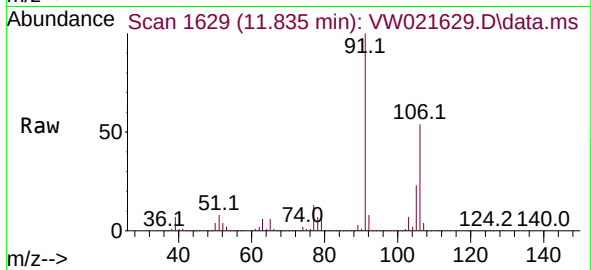




#53
m,p-Xylene
Concen: 434.998 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW021629.D
Acq: 23 Dec 2021 22:17

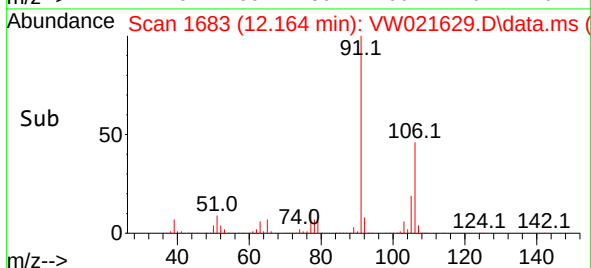
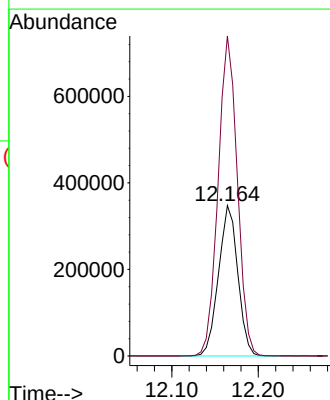
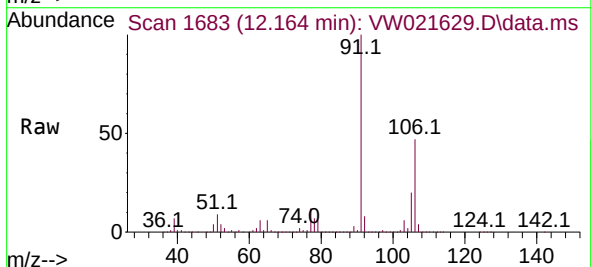
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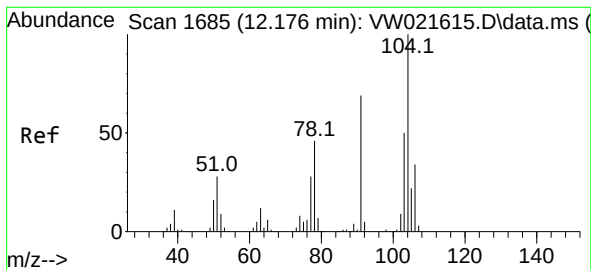
Tgt Ion:106 Resp: 1602722
Ion Ratio Lower Upper
106 100
91 185.9 149.9 278.3



#54
o-Xylene
Concen: 153.867 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW021629.D
Acq: 23 Dec 2021 22:17

Tgt Ion:106 Resp: 538024
Ion Ratio Lower Upper
106 100
91 212.8 153.6 285.3





#55

Styrene

Concen: 4.520 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.012 min

Lab File: VW021629.D

Acq: 23 Dec 2021 22:17

Instrument :

MSVOA_W

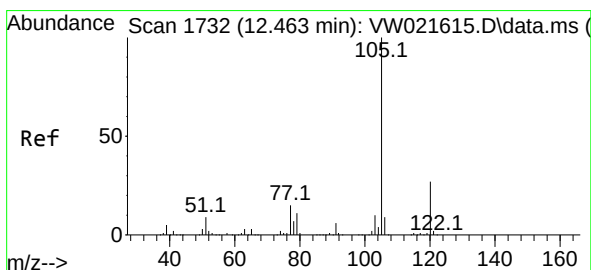
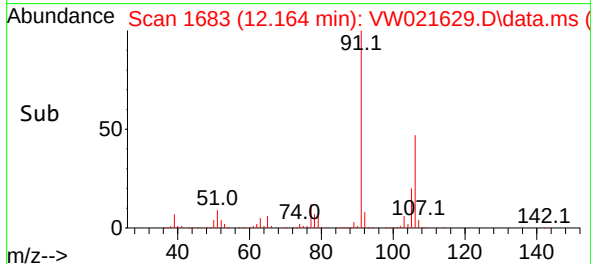
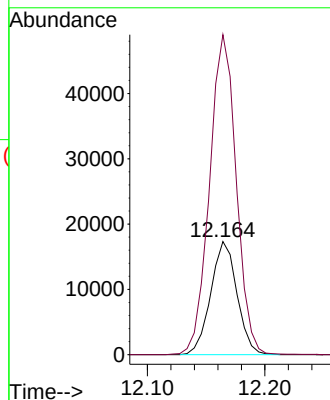
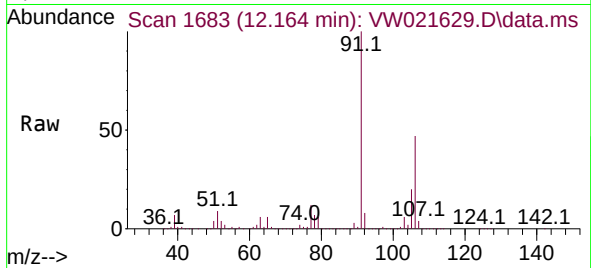
ClientSampleId :

Tgt Ion:104 Resp: 26900

Ion Ratio Lower Upper

104 100

78 283.0 34.4 64.0#



#60

Isopropylbenzene

Concen: 31.276 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW021629.D

Acq: 23 Dec 2021 22:17

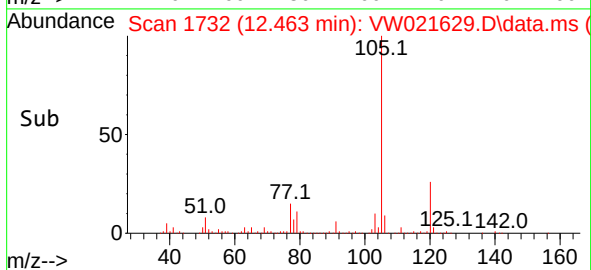
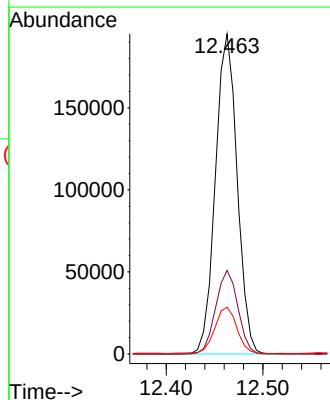
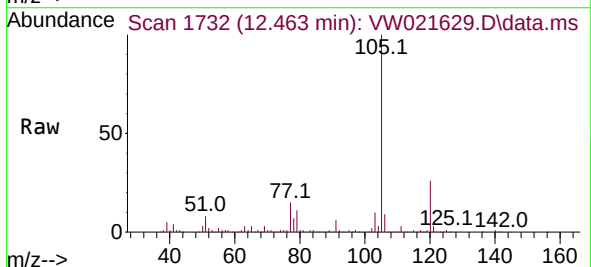
Tgt Ion:105 Resp: 303991

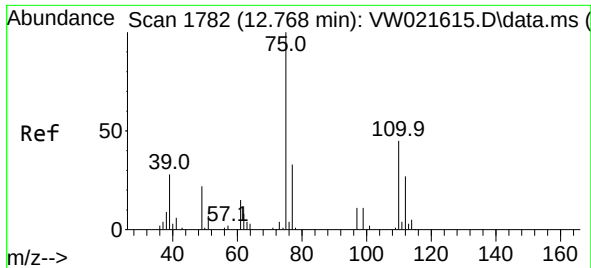
Ion Ratio Lower Upper

105 100

120 26.5 20.1 30.1

77 14.7 13.8 20.8

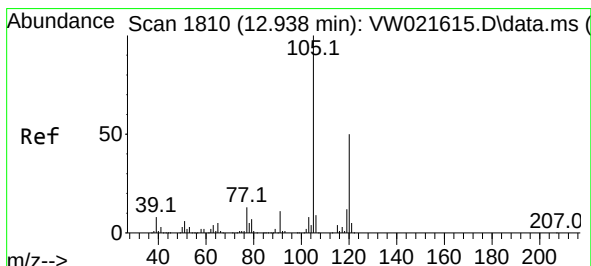
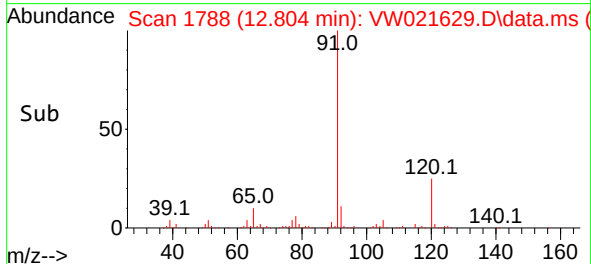
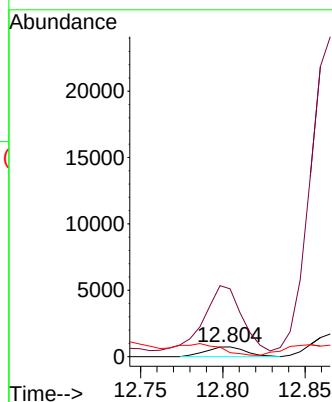
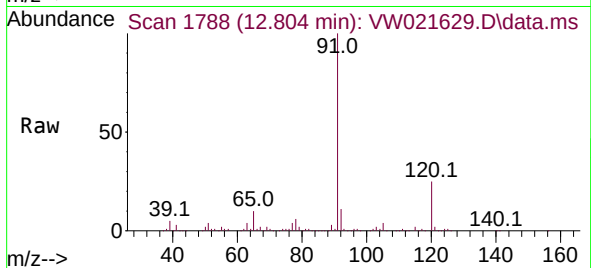




#61
 1,2,3-Trichloropropane
 Concen: 1.182 ug/L
 RT: 12.804 min Scan# 11
 Delta R.T. 0.037 min
 Lab File: VW021629.D
 Acq: 23 Dec 2021 22:17

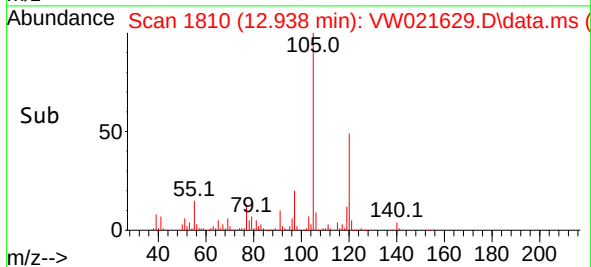
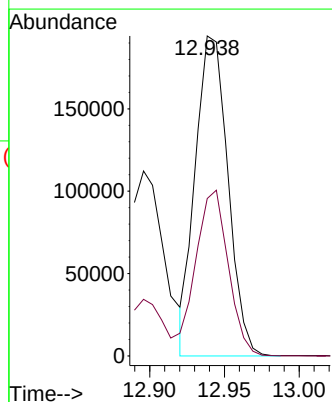
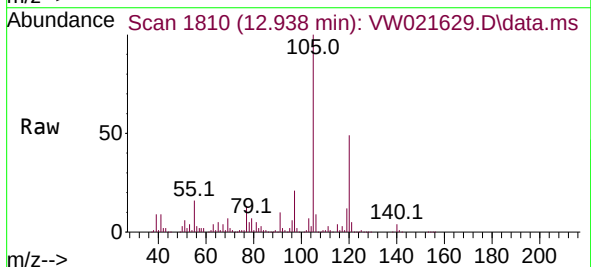
Instrument :
 MSVOA_W
 ClientSampleId :

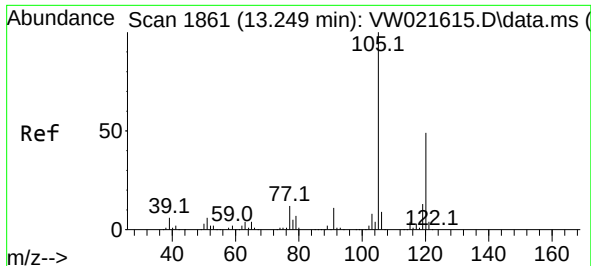
Tgt Ion: 75 Resp: 1230
 Ion Ratio Lower Upper
 75 100
 77 629.4 25.8 38.8#
 110 138.9 29.0 43.4#



#62
 1,3,5-Trimethylbenzene
 Concen: 35.563 ug/L
 RT: 12.938 min Scan# 1810
 Delta R.T. 0.000 min
 Lab File: VW021629.D
 Acq: 23 Dec 2021 22:17

Tgt Ion:105 Resp: 294135
 Ion Ratio Lower Upper
 105 100
 120 52.6 37.4 56.2

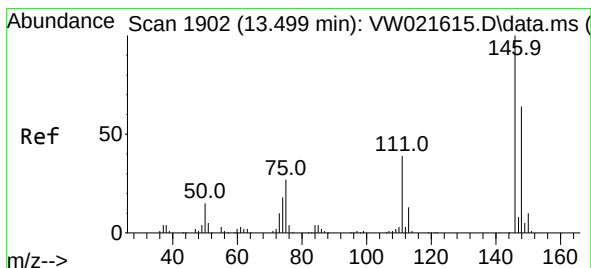
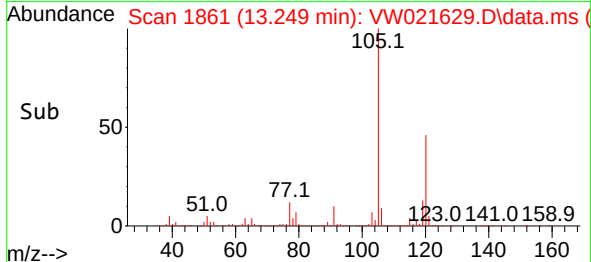
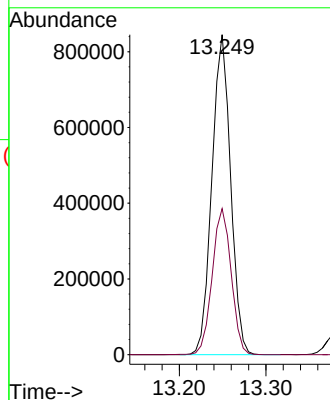
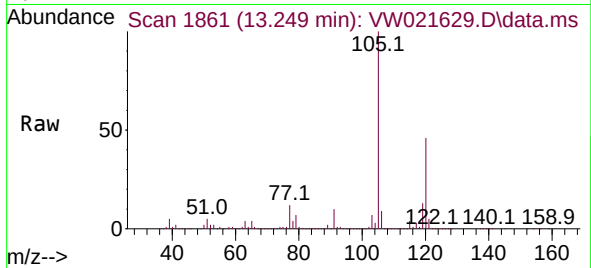




#63
1,2,4-Trimethylbenzene
Concen: 155.231 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW021629.D
Acq: 23 Dec 2021 22:17

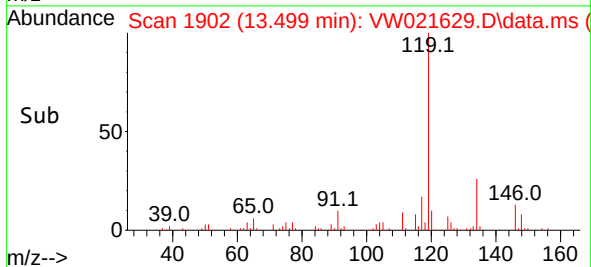
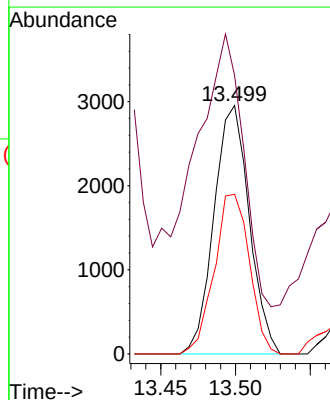
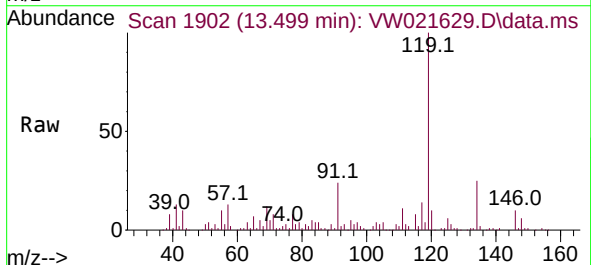
Instrument :
MSVOA_W
ClientSampleId :

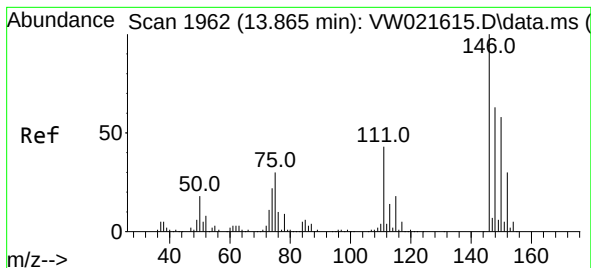
Tgt Ion:105 Resp: 1266532
Ion Ratio Lower Upper
105 100
120 46.3 35.0 52.6



#64
1,3-Dichlorobenzene
Concen: 1.057 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW021629.D
Acq: 23 Dec 2021 22:17

Tgt Ion:146 Resp: 4845
Ion Ratio Lower Upper
146 100
111 112.1 29.8 55.3#
148 64.3 46.2 85.8





#67

1,2-Dichlorobenzene

Concen: 2.070 ug/L

RT: 13.871 min Scan# 1963

Delta R.T. 0.006 min

Lab File: VW021629.D

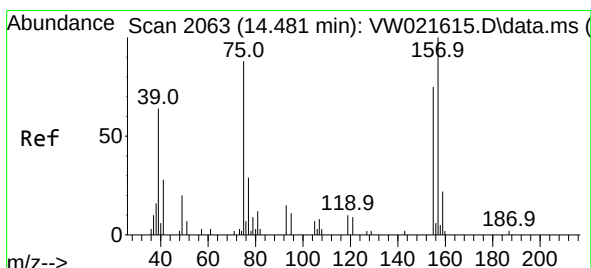
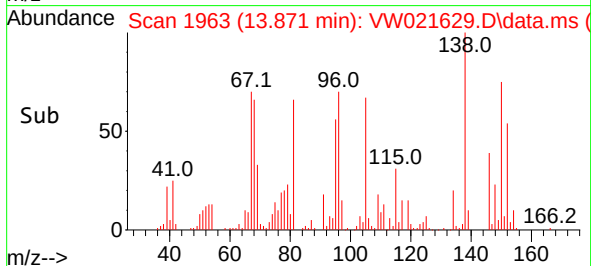
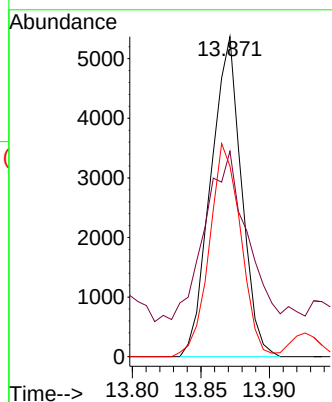
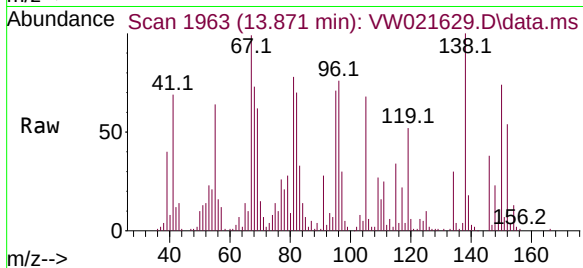
Acq: 23 Dec 2021 22:17

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	146	Resp:	8354
Ion	Ratio	Lower	Upper
146	100		
111	64.2	33.1	49.7#
148	59.6	47.4	71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 42.444 ug/L

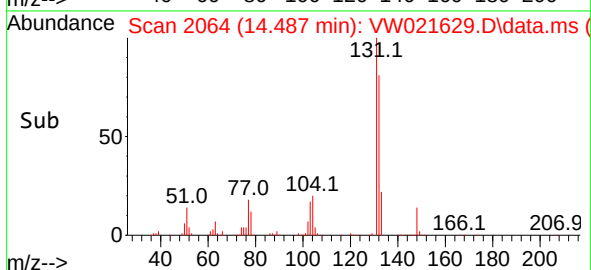
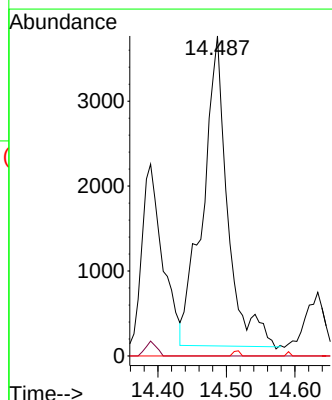
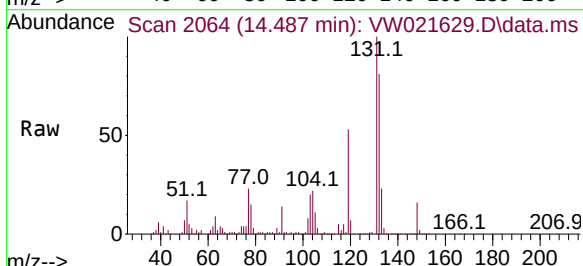
RT: 14.487 min Scan# 2064

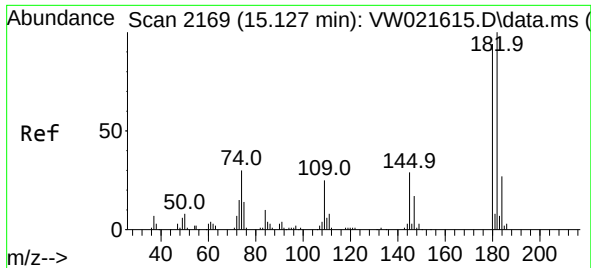
Delta R.T. 0.006 min

Lab File: VW021629.D

Acq: 23 Dec 2021 22:17

Tgt Ion:	75	Resp:	9114
Ion	Ratio	Lower	Upper
75	100		
155	0.0	54.2	81.2#
157	0.0	69.4	104.2#

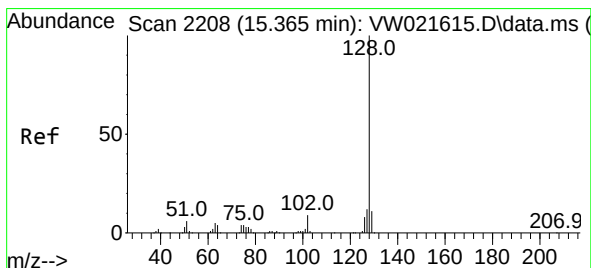
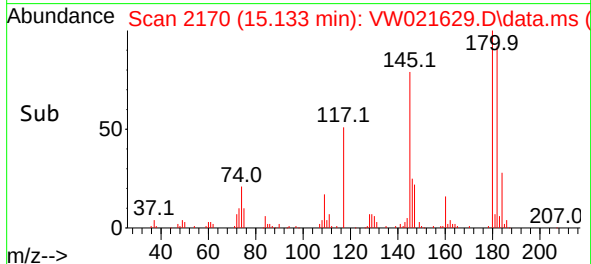
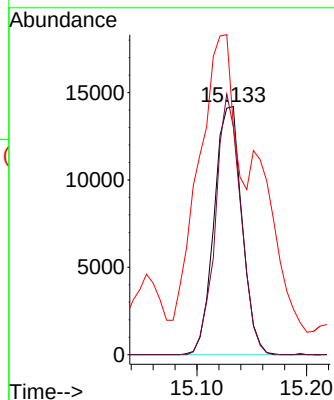
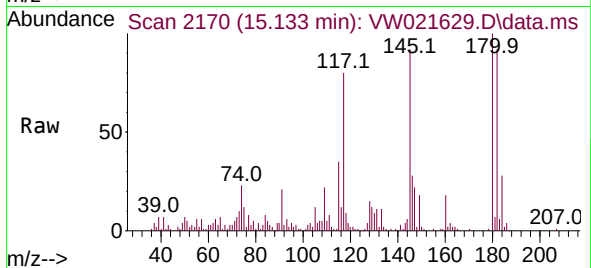




#70
1,2,4-trichlorobenzene
Concen: 9.103 ug/L
RT: 15.133 min Scan# 2169
Delta R.T. 0.006 min
Lab File: VW021629.D
Acq: 23 Dec 2021 22:17

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:180 Resp: 25089
Ion Ratio Lower Upper
180 100
182 95.7 79.0 118.6
145 158.8 26.0 39.0#



#71
Naphthalene
Concen: 962.590 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW021629.D
Acq: 23 Dec 2021 22:17

Tgt Ion:128 Resp: 4310175
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 11.7 8.6 12.8

