

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
 Data File : VW018829.D
 Acq On : 28 Apr 2021 18:43
 Operator : SY/VA
 Sample : M2177-17
 Misc : 4.49G/10ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 29 00:17:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Apr 29 00:13:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	400170	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	262137	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	130741	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	77001	12.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	50.64%
7) Chloroethane-d5	2.891	69	76615	14.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.88%
11) 1,1-Dichloroethene-d2	4.153	63	98	0.01	ug/L	0.13
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.04%#
21) 2-Butanone-d5	7.080	46	98560	71.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	142.40%#
24) Chloroform-d	7.653	84	233407	21.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.00%
26) 1,2-Dichloroethane-d4	8.305	65	144359	23.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.52%
32) Benzene-d6	8.275	84	368021	23.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.72%
36) 1,2-Dichloropropane-d6	9.274	67	141783	30.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	122.36%#
41) Toluene-d8	10.323	98	262902	18.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.76%
43) trans-1,3-Dichloroprop...	10.579	79	43638	22.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.48%
47) 2-Hexanone-d5	10.927	63	84126	104.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	208.80%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	175548	45.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	181.44%#
66) 1,2-Dichlorobenzene-d4	13.853	152	97259	21.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.72%
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	100098	99.62	ug/L	90
14) Carbon disulfide	4.385	76	55636	3.55	ug/L	99
16) Methylene chloride	4.922	84	44559	6.79	ug/L	93
18) Methyl tert-butyl Ether	5.422	73	3691	0.49	ug/L #	1
22) 2-Butanone	7.177	43	43233	28.32	ug/L	99
29) Cyclohexane	7.939	56	12151	1.88	ug/L	99
33) Benzene	8.330	78	20663	1.26	ug/L	100
35) Methylcyclohexane	9.335	83	104215	14.15	ug/L #	56
38) Bromodichloromethane	9.622	83	21480	4.05	ug/L #	29
40) 4-Methyl-2-pentanone	10.250	43	320068	125.01	ug/L #	77
42) Toluene	10.390	91	9098	0.51	ug/L	92
45) 1,1,2-Trichloroethane	10.762	97	110621	35.78	ug/L #	18
48) 2-Hexanone	10.933	43	229006	141.50	ug/L #	22
52) Ethylbenzene	11.731	91	49977	2.56	ug/L	91
53) m,p-Xylene	11.841	106	42125	5.88	ug/L	88
54) o-Xylene	12.164	106	66043	9.61	ug/L	86
55) Styrene	12.164	104	4799	0.40	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.701	83	57922	15.04	ug/L #	1
60) Isopropylbenzene	12.902	105	166440	8.66	ug/L	95

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 Quant Title : SFAM01.0
 QLast Update : Thu Apr 29 00:13:39 2021
 Response via : Initial Calibration

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

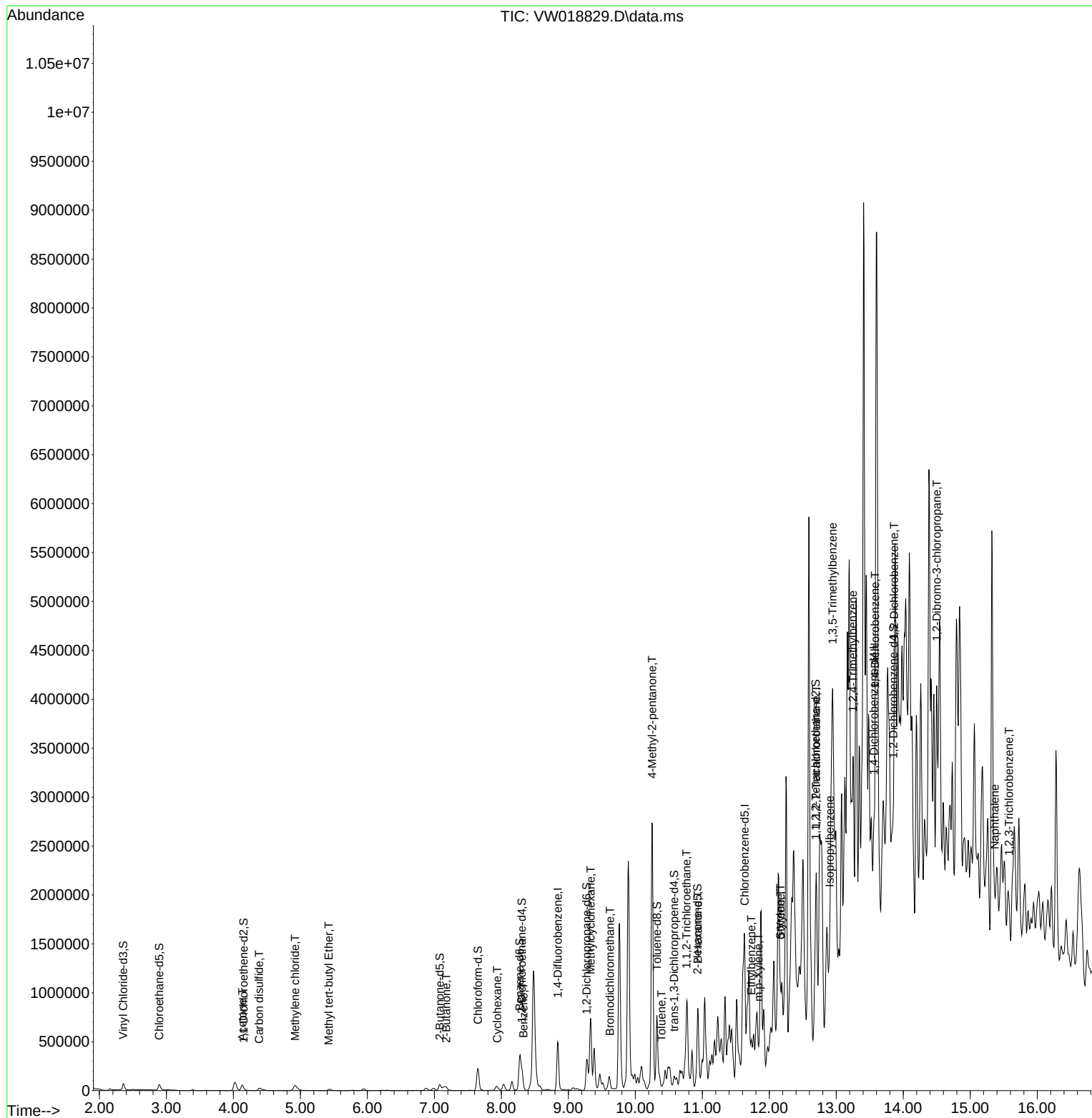
62) 1,3,5-Trimethylbenzene	12.945	105	175803	11.04	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	1039153	65.37	ug/L	99
65) 1,4-Dichlorobenzene	13.579	146	5857	0.71	ug/L #	1
67) 1,2-Dichlorobenzene	13.865	146	3816	0.51	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.499	75	4755	7.66	ug/L #	31
71) Naphthalene	15.365	128	181124	18.15	ug/L #	80
72) 1,2,3-Trichlorobenzene	15.578	180	7639	1.83	ug/L #	1

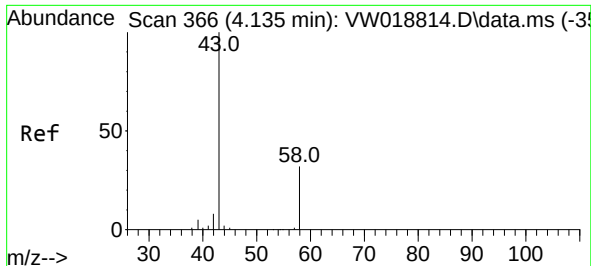
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Apr 29 00:13:39 2021
Response via : Initial Calibration

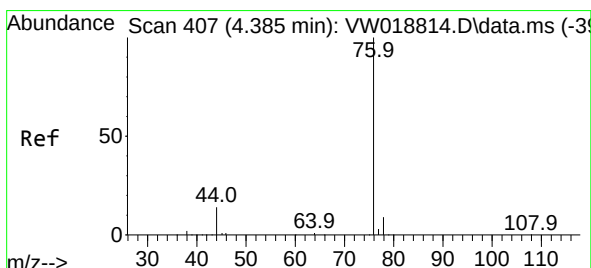
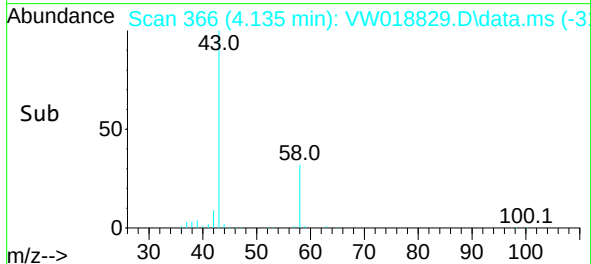
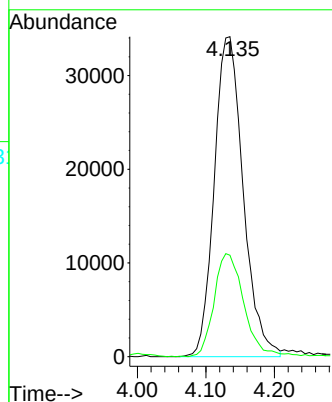
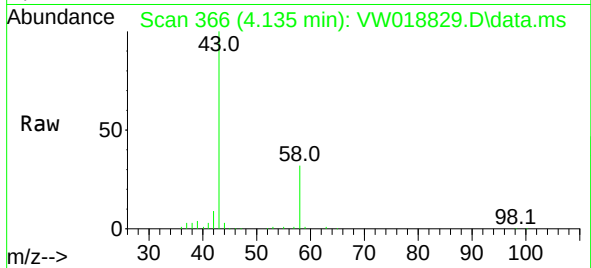




#13
Acetone
Concen: 99.62 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.000 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

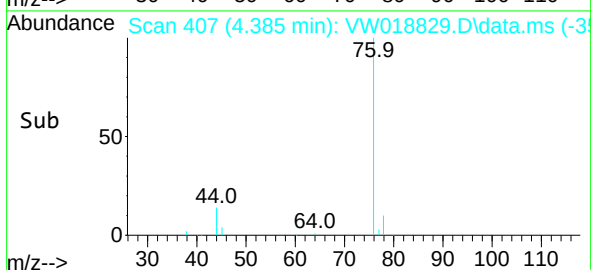
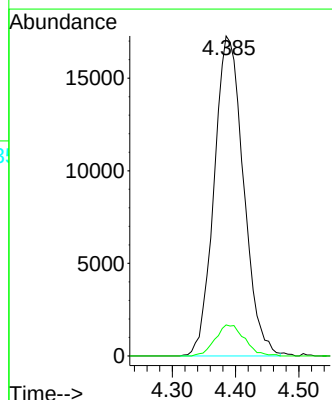
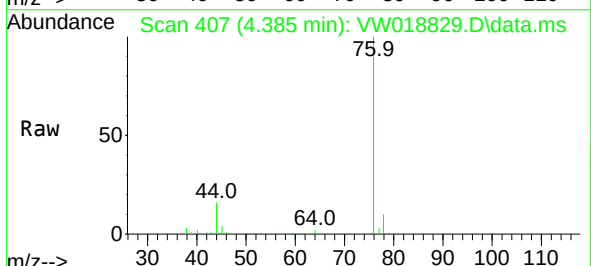
Instrument :
MSVOA_W
ClientSampled :

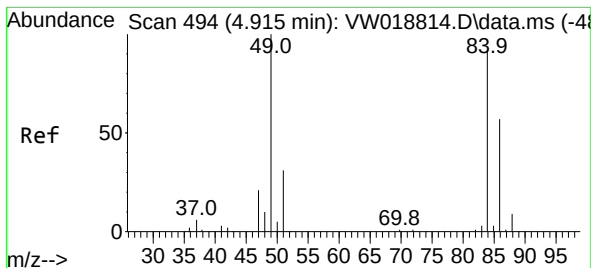
Tgt Ion: 43 Resp: 100098
Ion Ratio Lower Upper
43 100
58 32.2 0.0 53.8



#14
Carbon disulfide
Concen: 3.55 ug/L
RT: 4.385 min Scan# 407
Delta R.T. 0.000 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

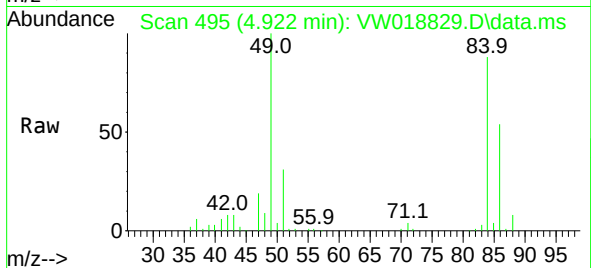
Tgt Ion: 76 Resp: 55636
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



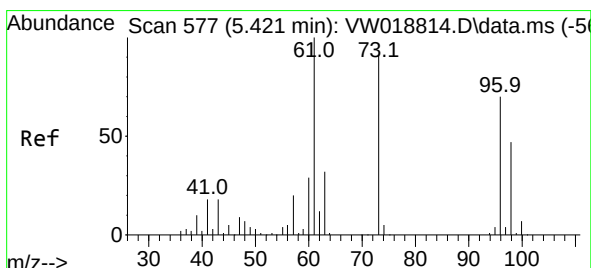
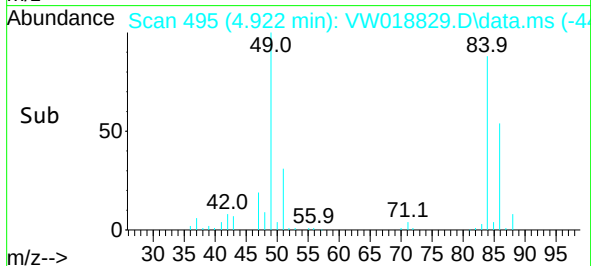
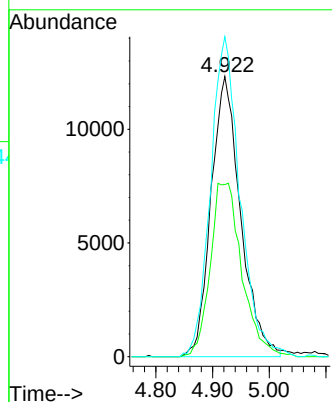


#16
Methylene chloride
Concen: 6.79 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

Instrument :
MSVOA_W
ClientSampled :

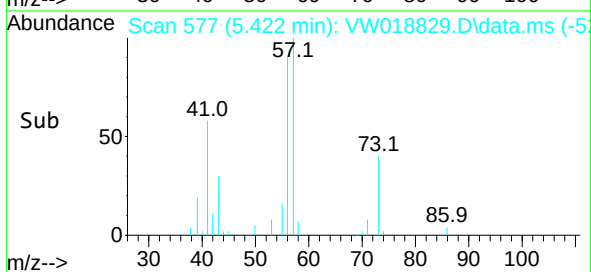
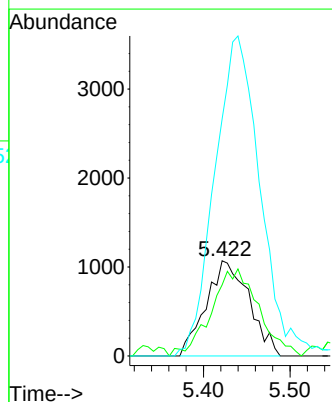
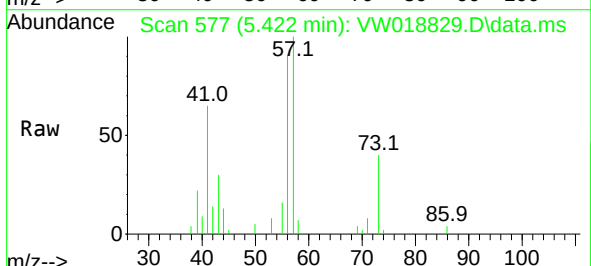


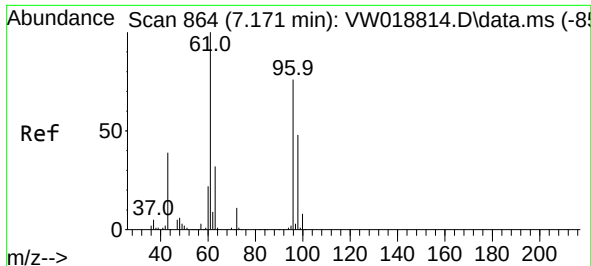
Tgt Ion: 84 Resp: 44559
Ion Ratio Lower Upper
84 100
86 61.5 45.3 84.1
49 114.2 86.6 160.8



#18
Methyl tert-butyl Ether
Concen: 0.49 ug/L
RT: 5.422 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

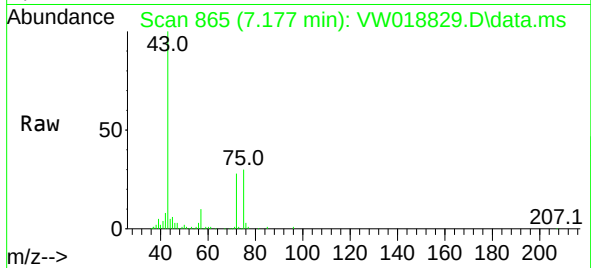
Tgt Ion: 73 Resp: 3691
Ion Ratio Lower Upper
73 100
43 98.3 17.7 26.5#
57 344.5 17.0 25.4#



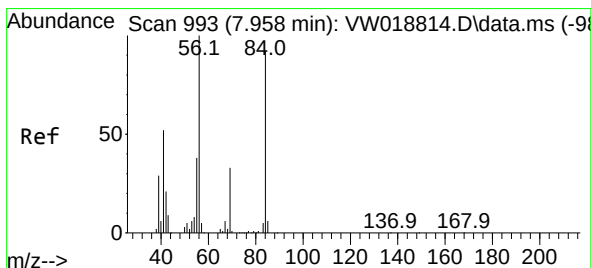
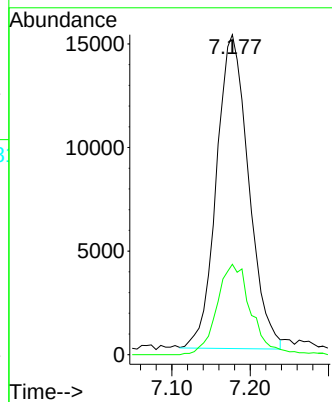
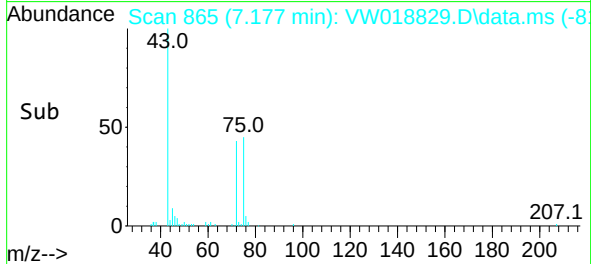


#22
2-Butanone
Concen: 28.32 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

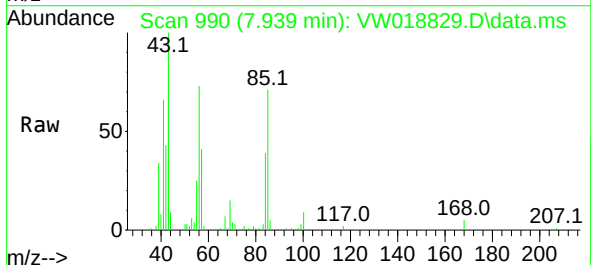
Instrument :
MSVOA_W
ClientSampled :



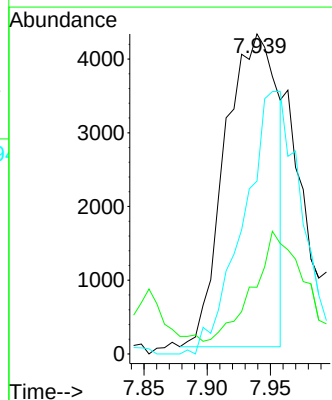
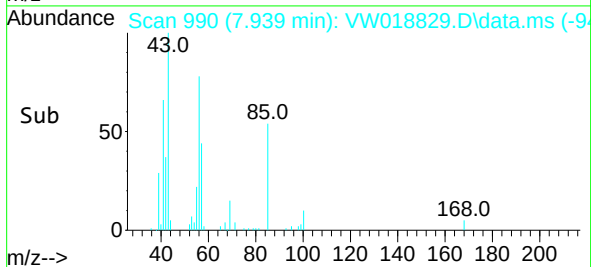
Tgt Ion: 43 Resp: 43233
Ion Ratio Lower Upper
43 100
72 30.5 14.9 44.7

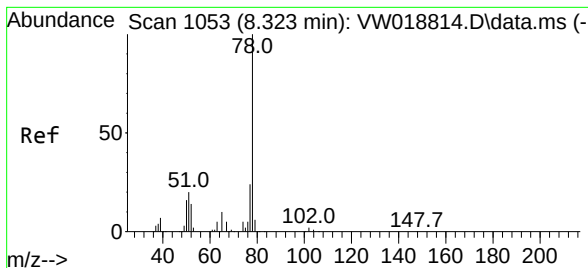


#29
Cyclohexane
Concen: 1.88 ug/L
RT: 7.939 min Scan# 990
Delta R.T. -0.018 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43



Tgt Ion: 56 Resp: 12151
Ion Ratio Lower Upper
56 100
69 32.7 24.5 36.7
84 94.1 75.0 112.4





#33

Benzene

Concen: 1.26 ug/L

RT: 8.330 min Scan# 1054

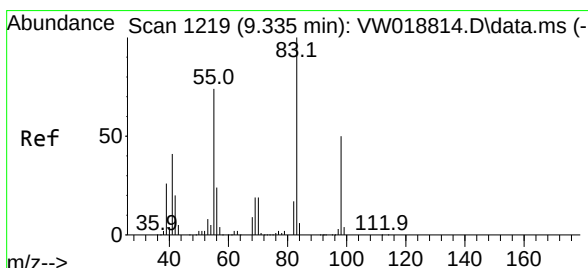
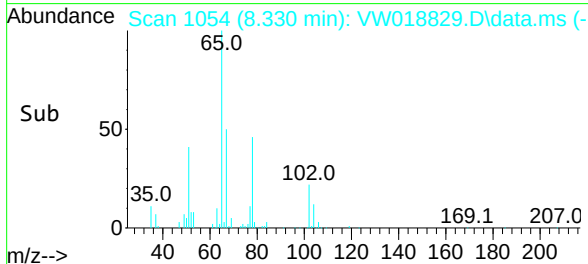
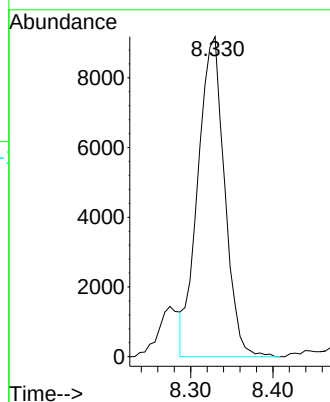
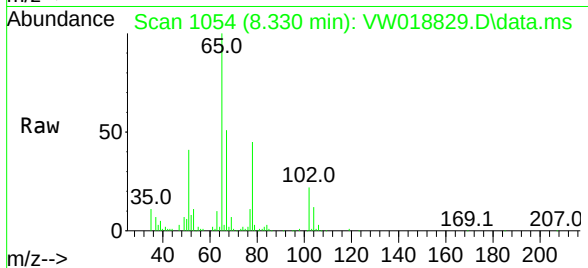
Delta R.T. 0.006 min

Lab File: VW018829.D

Acq: 28 Apr 2021 18:43

Tgt Ion: 78 Resp: 20663

Instrument :
MSVOA_W
ClientSampled :



#35

Methylcyclohexane

Concen: 14.15 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW018829.D

Acq: 28 Apr 2021 18:43

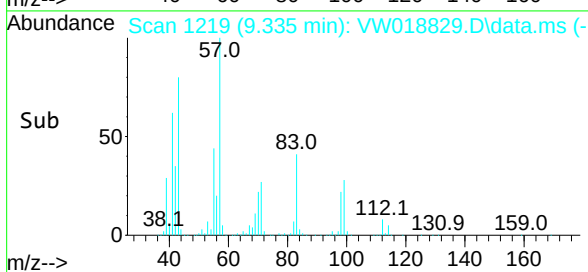
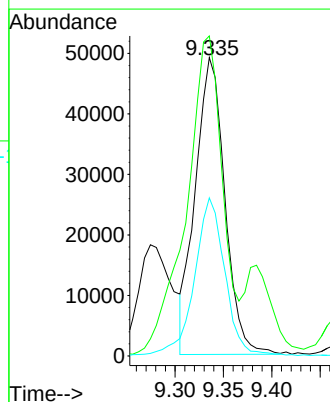
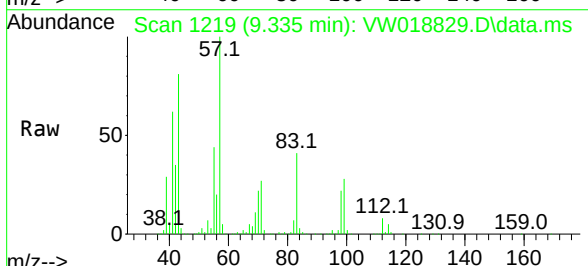
Tgt Ion: 83 Resp: 104215

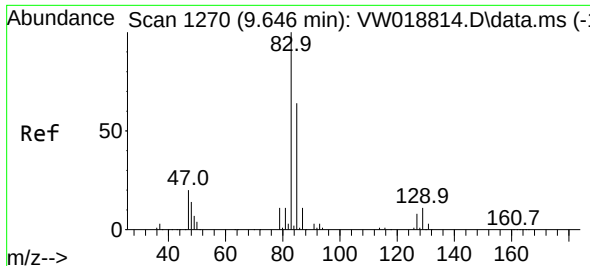
Ion Ratio Lower Upper

83 100

55 131.5 58.9 88.3#

98 55.4 40.1 60.1

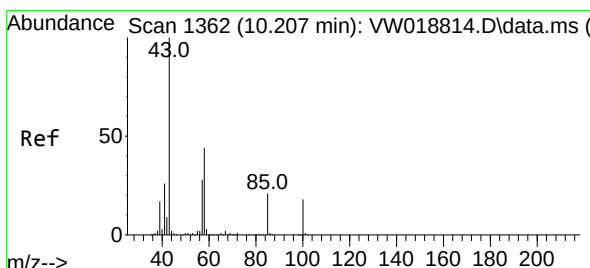
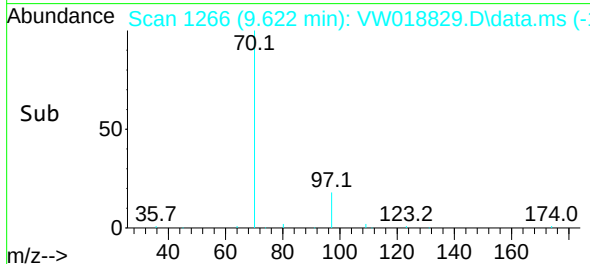
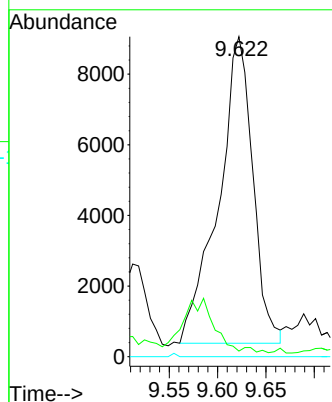
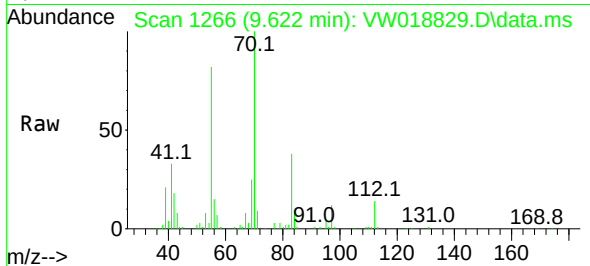




#38
Bromodichloromethane
Concen: 4.05 ug/L
RT: 9.622 min Scan# 1266
Delta R.T. -0.024 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

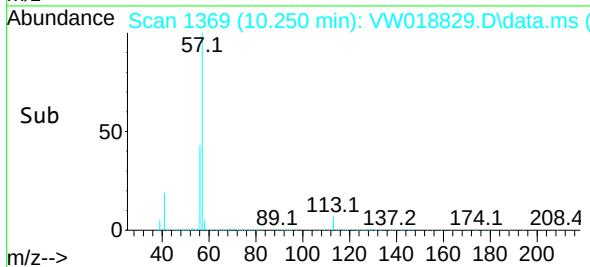
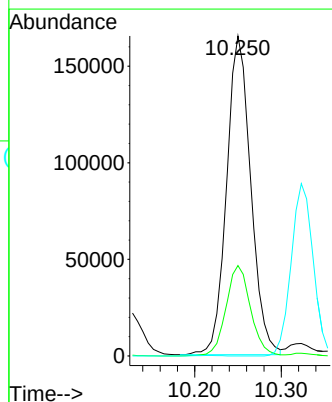
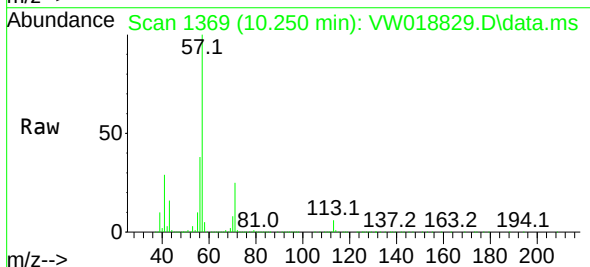
Instrument :
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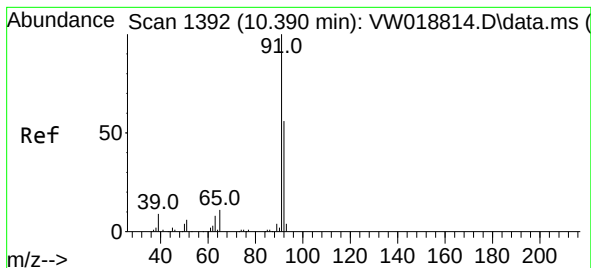
Tgt Ion: 83 Resp: 21480
Ion Ratio Lower Upper
83 100
85 1.7 42.3 78.5#
127 0.0 6.6 9.8#



#40
4-Methyl-2-pentanone
Concen: 125.01 ug/L
RT: 10.250 min Scan# 1369
Delta R.T. 0.043 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

Tgt Ion: 43 Resp: 320068
Ion Ratio Lower Upper
43 100
58 28.8 31.0 46.4#
100 0.1 13.0 19.6#





#42

Toluene

Concen: 0.51 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VW018829.D

Acq: 28 Apr 2021 18:43

Tgt Ion: 91 Resp: 9098

Ion Ratio Lower Upper

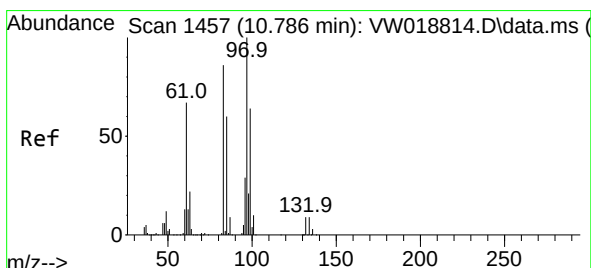
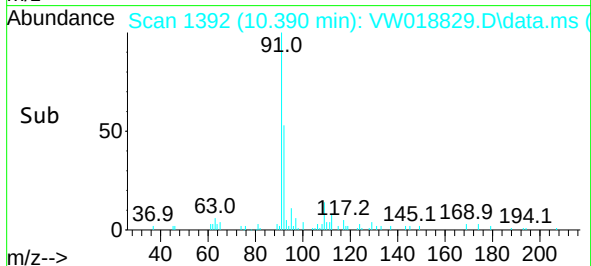
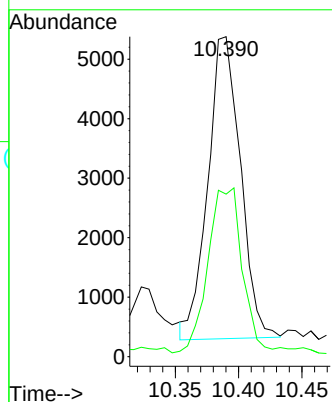
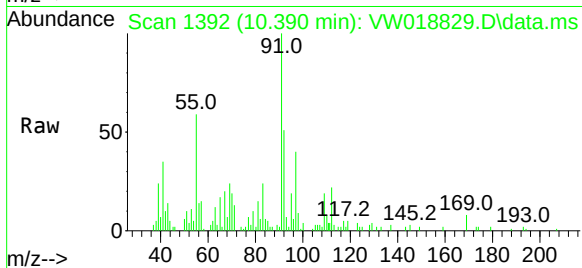
91 100

92 50.8 39.5 73.3

Instrument :

MSVOA_W

ClientSampled :



#45

1,1,2-Trichloroethane

Concen: 35.78 ug/L

RT: 10.762 min Scan# 1453

Delta R.T. -0.024 min

Lab File: VW018829.D

Acq: 28 Apr 2021 18:43

Tgt Ion: 97 Resp: 110621

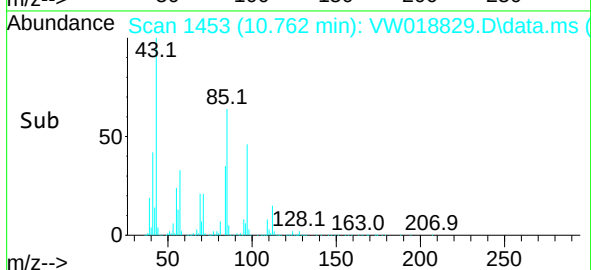
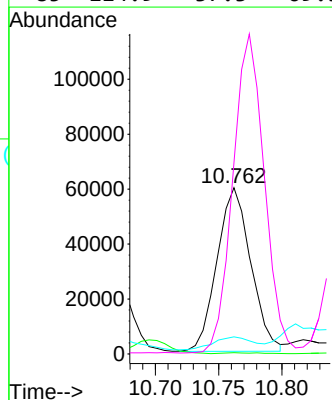
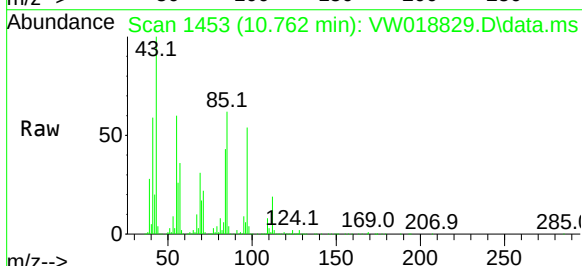
Ion Ratio Lower Upper

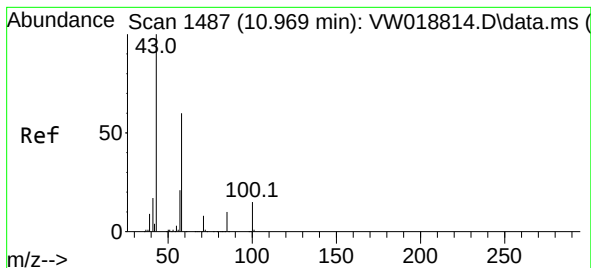
97 100

99 0.7 45.1 83.7#

83 10.3 58.1 107.9#

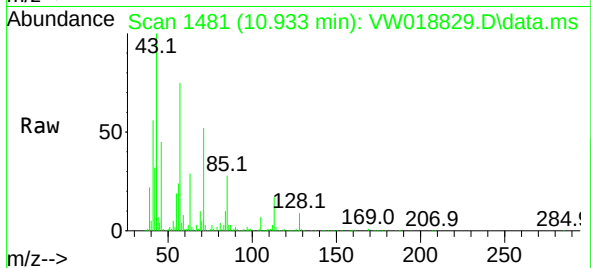
85 114.9 37.3 69.3#



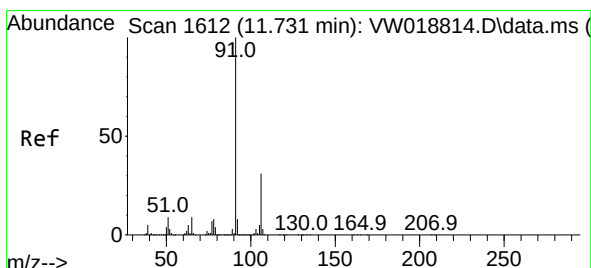
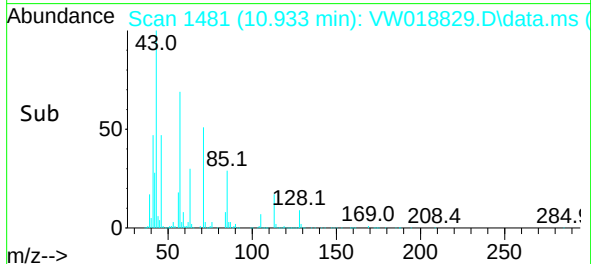
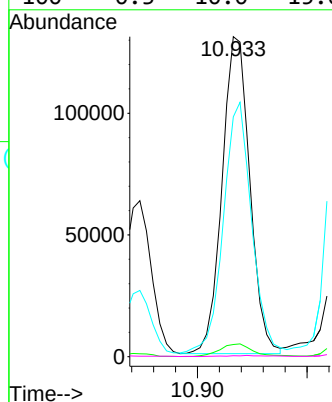


#48
2-Hexanone
Concen: 141.50 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.037 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

Instrument :
MSVOA_W
ClientSampled :

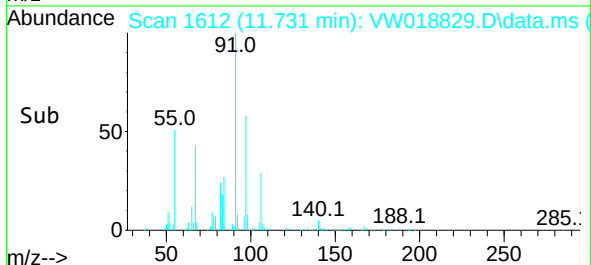
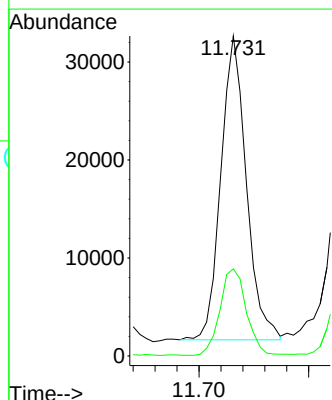
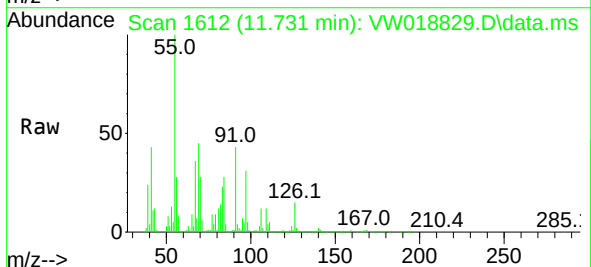


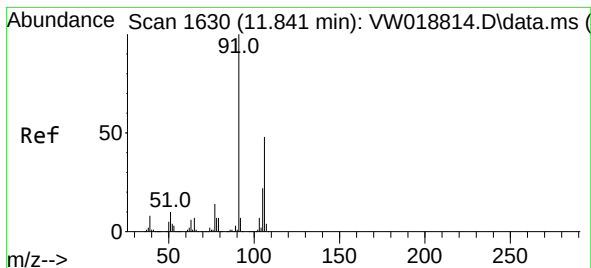
Tgt Ion:	43	Resp:	229006
Ion Ratio	Lower	Upper	
43	100		
58	4.7	42.7	64.1#
57	80.2	15.8	23.8#
100	0.3	10.0	15.0#



#52
Ethylbenzene
Concen: 2.56 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

Tgt Ion:	91	Resp:	49977
Ion Ratio	Lower	Upper	
91	100		
106	27.2	22.5	41.7

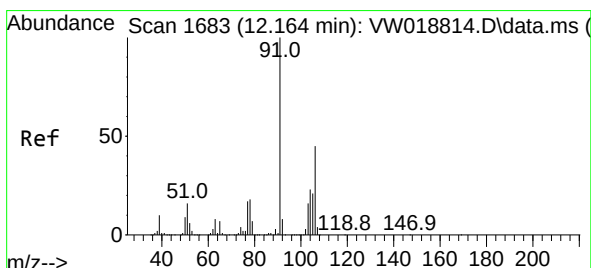
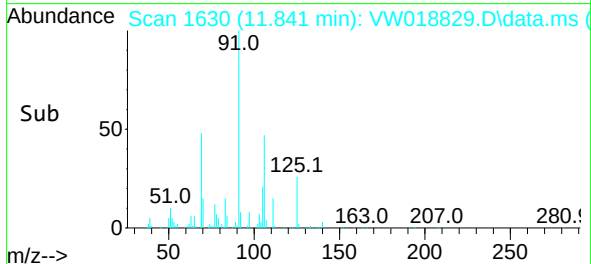
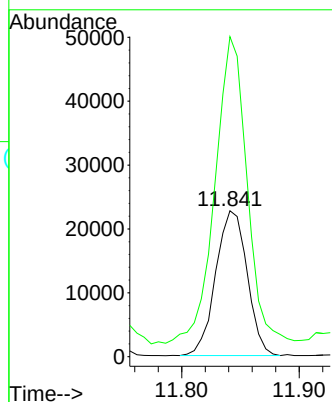
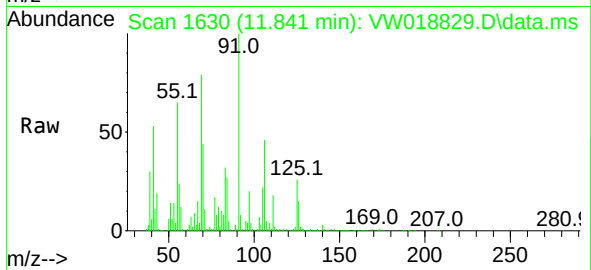




#53
m,p-Xylene
Concen: 5.88 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

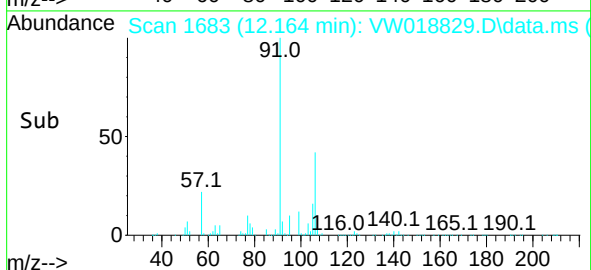
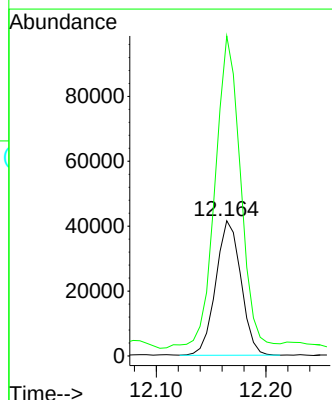
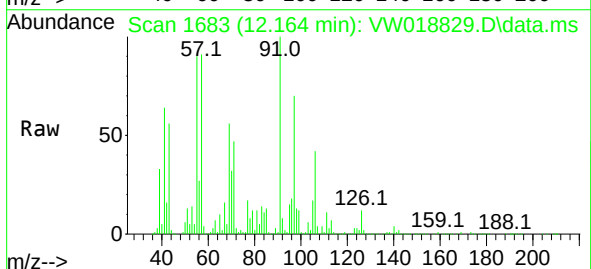
Instrument :
MSVOA_W
ClientSampled :

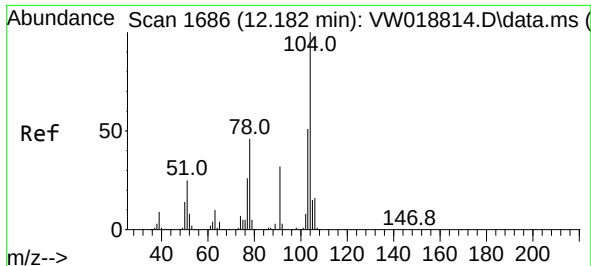
Tgt Ion:106 Resp: 42125
Ion Ratio Lower Upper
106 100
91 219.4 141.3 262.3



#54
o-Xylene
Concen: 9.61 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

Tgt Ion:106 Resp: 66043
Ion Ratio Lower Upper
106 100
91 236.6 150.0 278.6

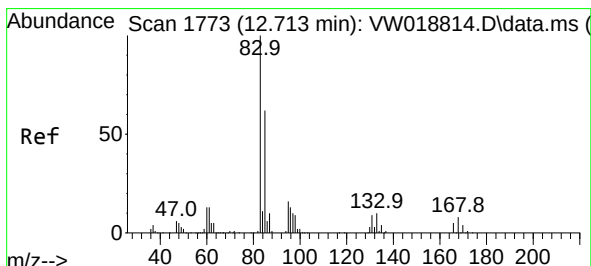
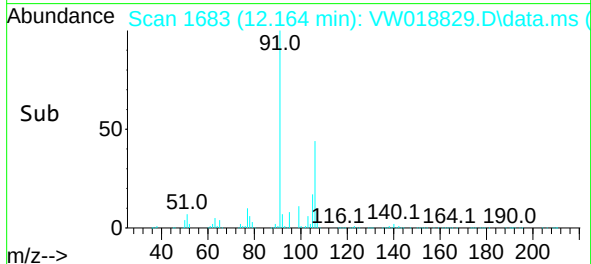
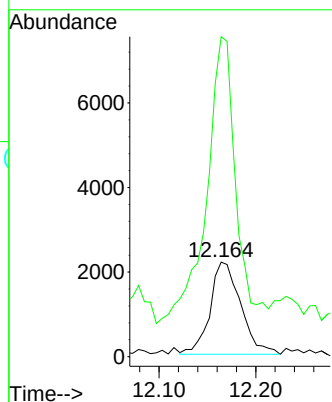
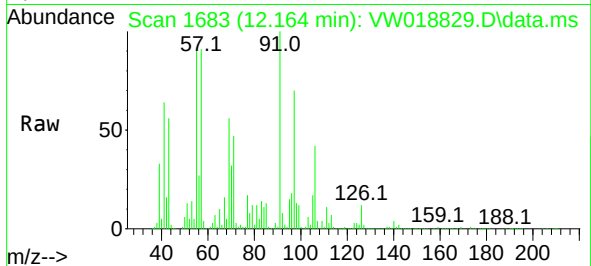




#55
Styrene
Concen: 0.40 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.018 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

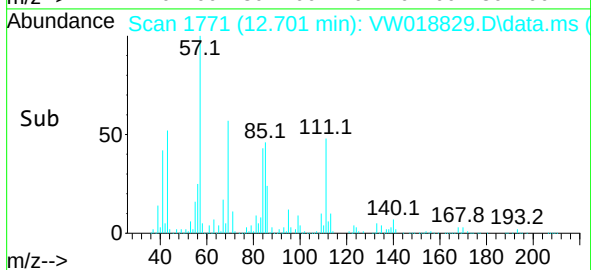
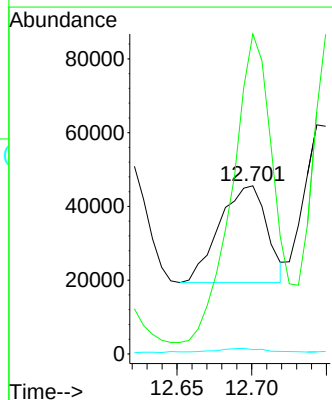
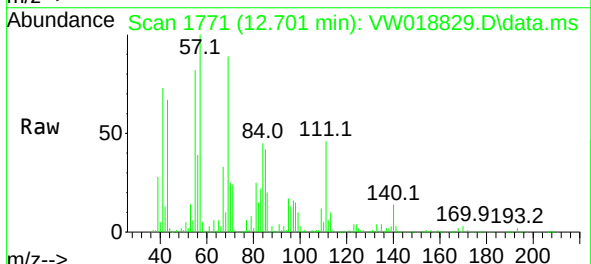
Instrument :
MSVOA_W
ClientSampled :

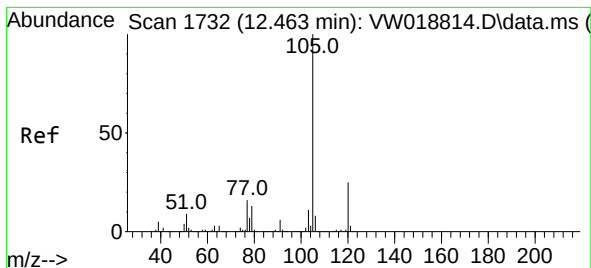
Tgt Ion:104 Resp: 4799
Ion Ratio Lower Upper
104 100
78 338.1 32.5 60.3#



#57
1,1,2,2-Tetrachloroethane
Concen: 15.04 ug/L
RT: 12.701 min Scan# 1771
Delta R.T. -0.012 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

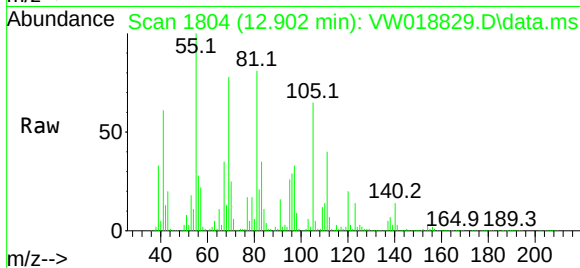
Tgt Ion: 83 Resp: 57922
Ion Ratio Lower Upper
83 100
85 190.2 44.4 82.4#
131 2.6 8.2 12.4#



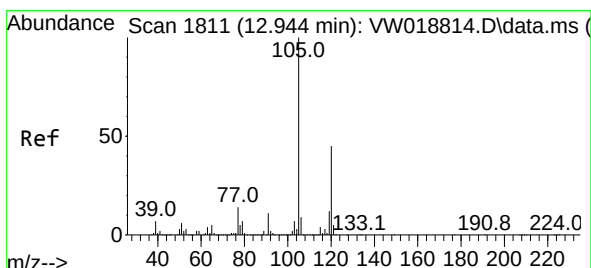
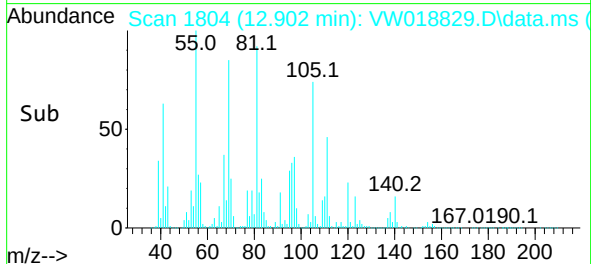
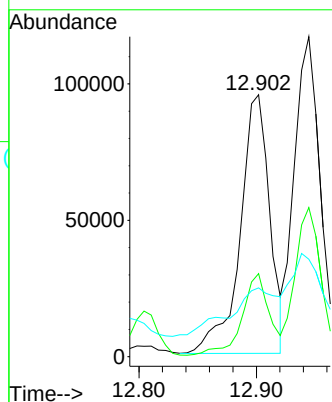


#60
Isopropylbenzene
Concen: 8.66 ug/L
RT: 12.902 min Scan# 1804
Delta R.T. 0.439 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

Instrument :
MSVOA_W
ClientSampled :

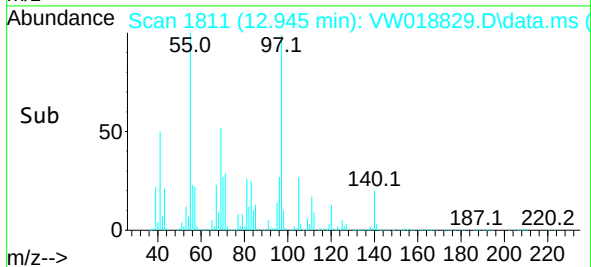
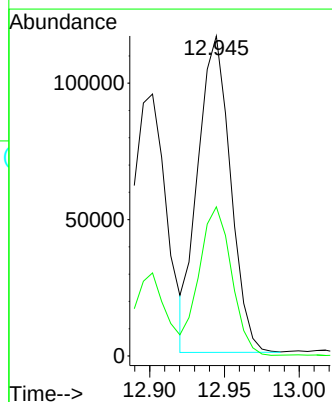
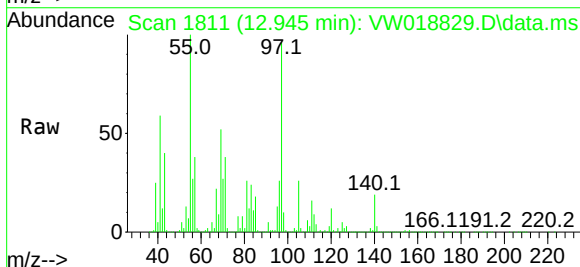


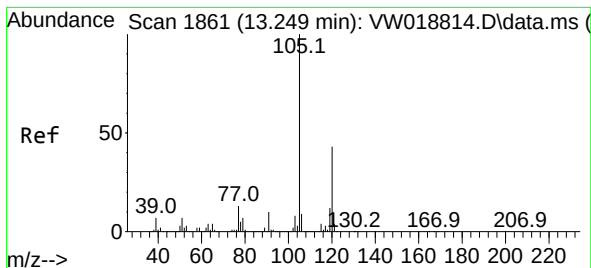
Tgt Ion:105 Resp: 166440
Ion Ratio Lower Upper
105 100
120 29.5 21.1 31.7
77 14.7 13.2 19.8



#62
1,3,5-Trimethylbenzene
Concen: 11.04 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

Tgt Ion:105 Resp: 175803
Ion Ratio Lower Upper
105 100
120 46.7 39.0 58.6

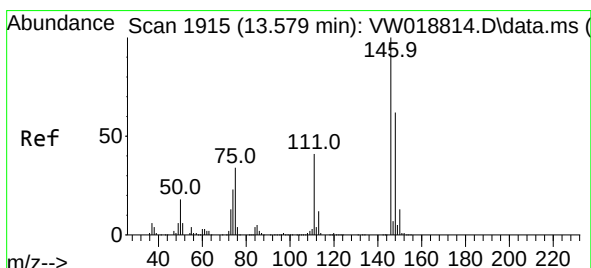
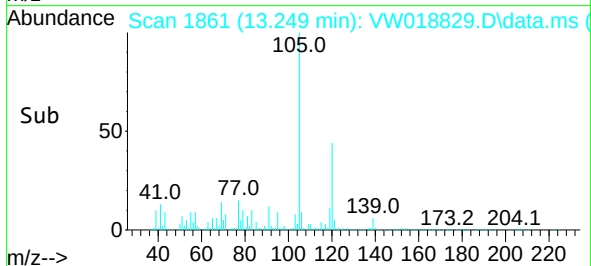
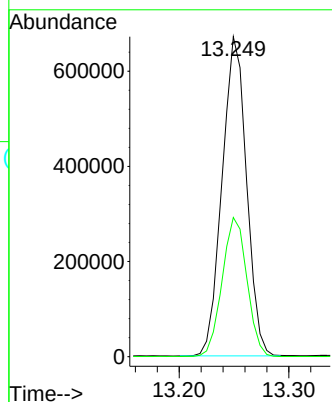
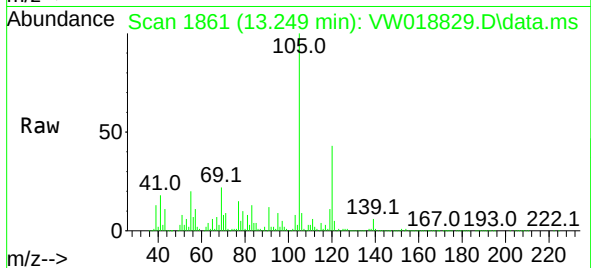




#63
1,2,4-Trimethylbenzene
Concen: 65.37 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

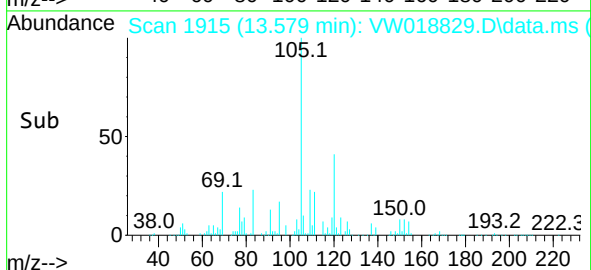
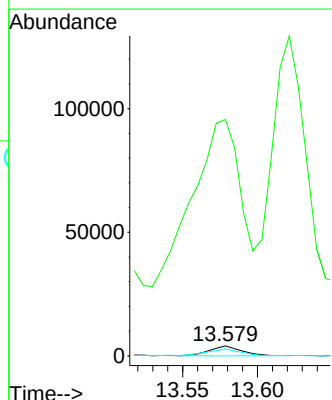
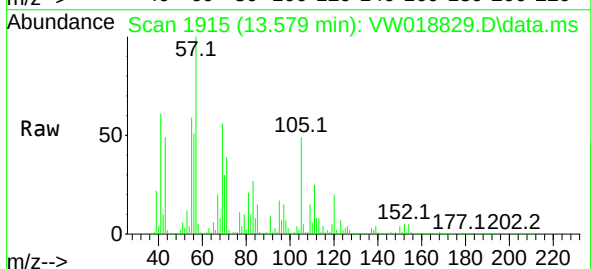
Instrument :
MSVOA_W
ClientSampled :

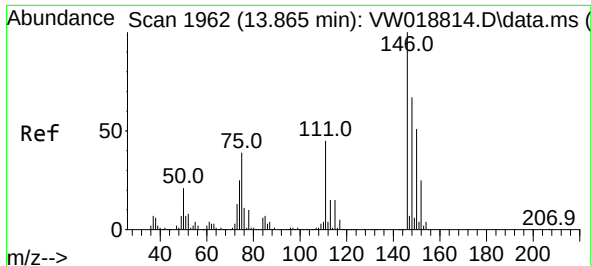
Tgt Ion:105 Resp: 1039153
Ion Ratio Lower Upper
105 100
120 44.0 35.6 53.4



#65
1,4-Dichlorobenzene
Concen: 0.71 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

Tgt Ion:146 Resp: 5857
Ion Ratio Lower Upper
146 100
111 2327.9 28.8 53.4#
148 70.4 46.8 87.0

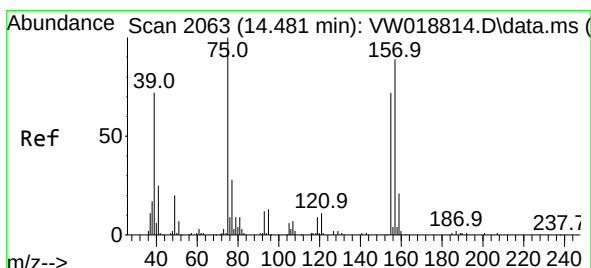
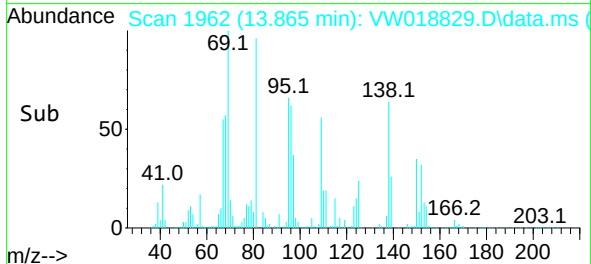
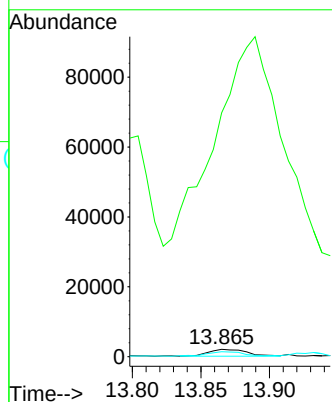
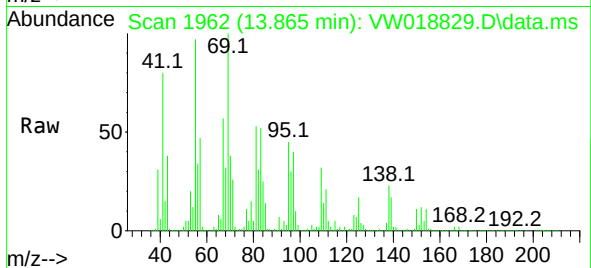




#67
1,2-Dichlorobenzene
Concen: 0.51 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. 0.000 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

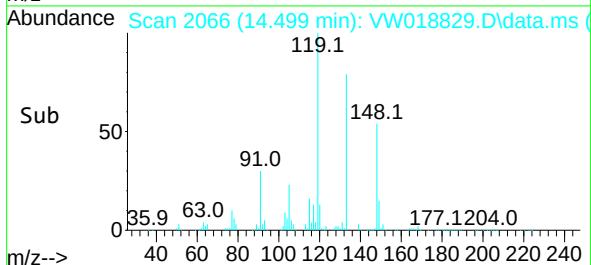
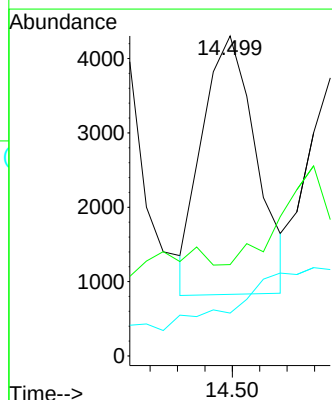
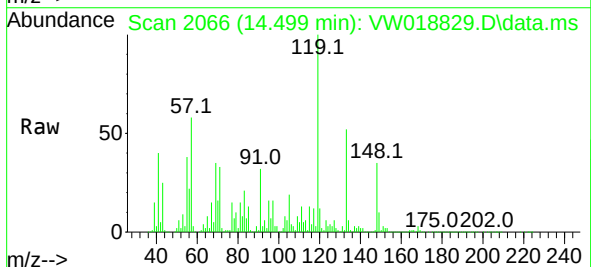
Instrument :
MSVOA_W
ClientSampled :

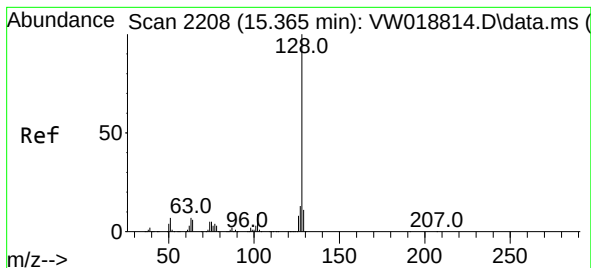
Tgt Ion:146 Resp: 3816
Ion Ratio Lower Upper
146 100
111 3304.2 33.2 49.8#
148 67.4 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 7.66 ug/L
RT: 14.499 min Scan# 2066
Delta R.T. 0.018 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

Tgt Ion: 75 Resp: 4755
Ion Ratio Lower Upper
75 100
155 28.5 59.4 89.0#
157 13.4 72.2 108.2#

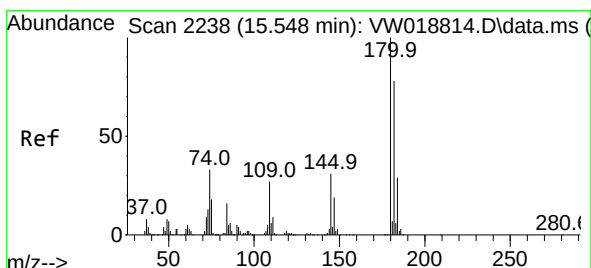
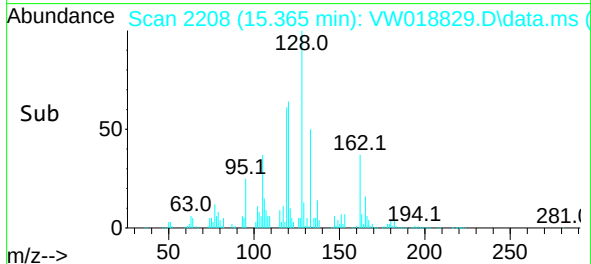
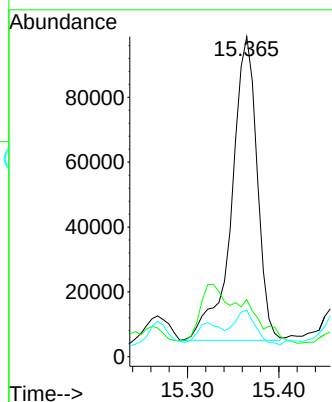
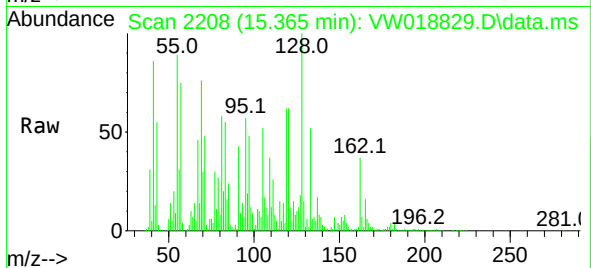




#71
Naphthalene
Concen: 18.15 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion:128 Resp: 181124
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 9.8 9.0 13.6



#72
1,2,3-Trichlorobenzene
Concen: 1.83 ug/L
RT: 15.578 min Scan# 2243
Delta R.T. 0.031 min
Lab File: VW018829.D
Acq: 28 Apr 2021 18:43

Tgt Ion:180 Resp: 7639
Ion Ratio Lower Upper
180 100
182 8.9 76.7 115.1#
145 1368.8 28.9 43.3#

