

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
 Data File : VW020248.D
 Acq On : 29 Sep 2021 23:07
 Operator : SY/VA
 Sample : M3973-21
 Misc : 6.86g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 02:11:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Sep 30 02:06:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	270695	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	210933	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	69176	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	91190	16.467	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.880%
7) Chloroethane-d5	2.898	69	83452	20.004	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	4.019	63	92752	10.697	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	42.800%#
21) 2-Butanone-d5	7.074	46	29846	34.926	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.860%
24) Chloroform-d	7.653	84	154555	18.155	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	72.600%
26) 1,2-Dichloroethane-d4	8.305	65	81844	17.863	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	71.440%
32) Benzene-d6	8.275	84	293083	21.779	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.120%
36) 1,2-Dichloropropane-d6	9.274	67	98751	25.356	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.440%
41) Toluene-d8	10.323	98	256749	20.968	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.880%
43) trans-1,3-Dichloroprop...	10.579	79	36380	21.855	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.400%
47) 2-Hexanone-d5	10.927	63	27740	51.469	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.940%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	69888	23.264	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.040%
66) 1,2-Dichlorobenzene-d4	13.853	152	59294	22.859	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.440%
Target Compounds						
					Qvalue	
13) Acetone	4.123	43	6077	8.303	ug/L	70
29) Cyclohexane	7.958	56	61015	13.000	ug/L	88
33) Benzene	8.323	78	10177	0.799	ug/L	100
35) Methylcyclohexane	9.335	83	369213	66.494	ug/L	98
38) Bromodichloromethane	9.622	83	4997	1.170	ug/L #	31
39) cis-1,3-Dichloropropene	10.037	75	3152	0.678	ug/L #	82
45) 1,1,2-Trichloroethane	10.762	97	86443	37.389	ug/L #	21
48) 2-Hexanone	10.939	43	106310	96.104	ug/L #	27
52) Ethylbenzene	11.731	91	25499	1.712	ug/L	89
53) m,p-Xylene	11.847	106	15097	2.658	ug/L	93
54) o-Xylene	12.164	106	50859	9.681	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.695	83	15445	5.593	ug/L #	70
60) Isopropylbenzene	12.463	105	261362	28.178	ug/L	98
62) 1,3,5-Trimethylbenzene	12.945	105	96635	12.695	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	301295	40.293	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.499	75	5139	17.526	ug/L #	27
70) 1,2,4-trichlorobenzene	15.127	180	1689	0.744	ug/L #	1
71) Naphthalene	15.365	128	437225	109.181	ug/L	97
72) 1,2,3-Trichlorobenzene	15.572	180	11195	5.476	ug/L #	73

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Quant Title : SFAM01.0
QLast Update : Thu Sep 30 02:06:51 2021
Response via : Initial Calibration

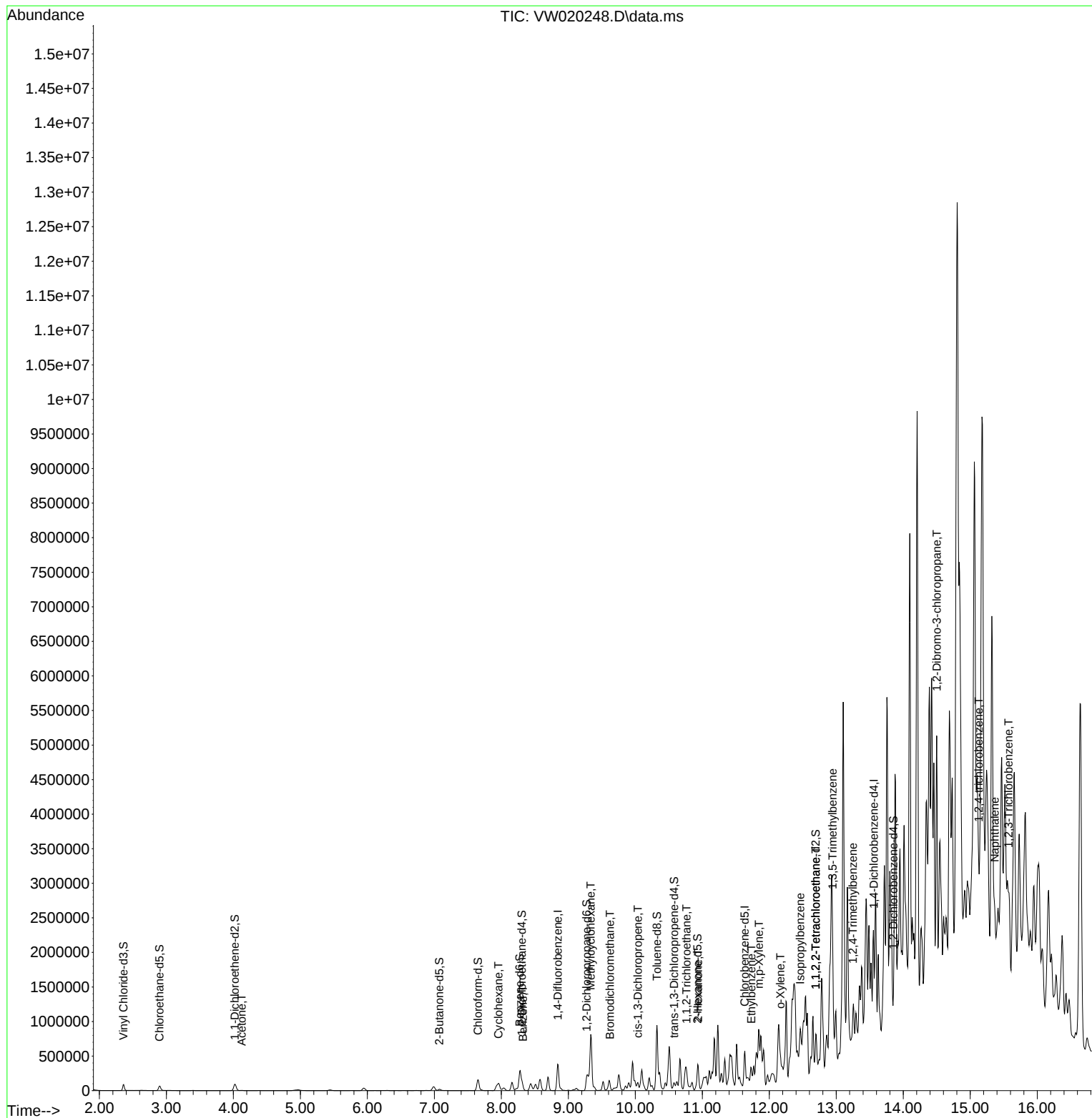
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

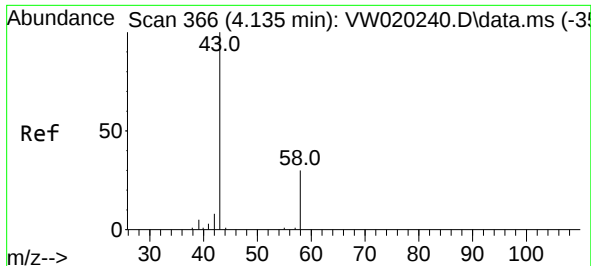
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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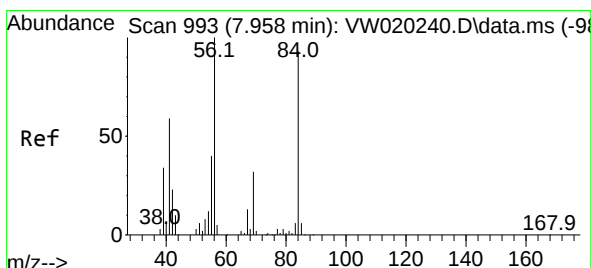
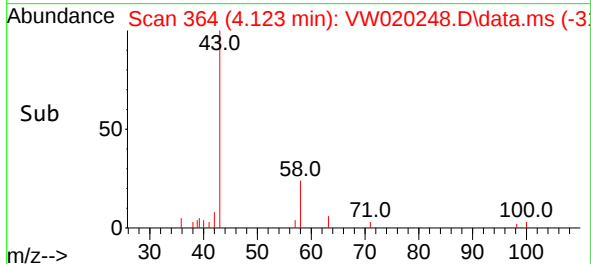
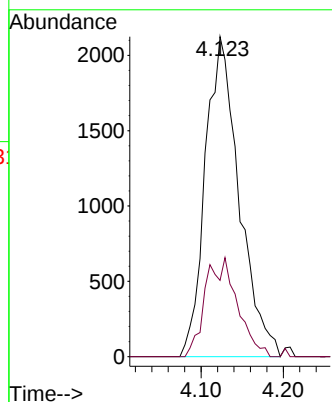
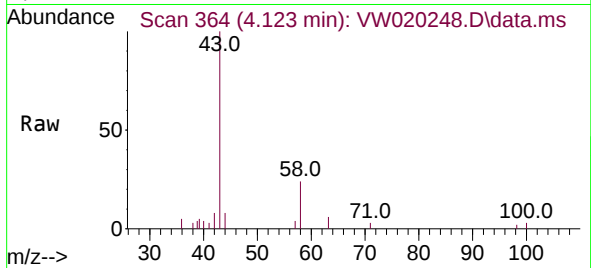




#13
Acetone
Concen: 8.303 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.012 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07

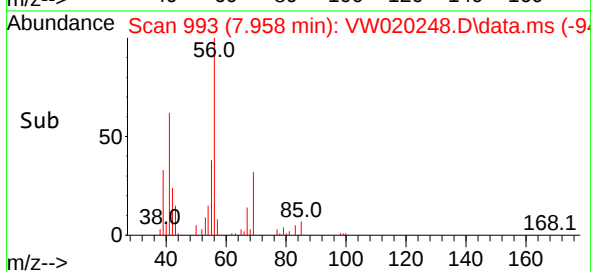
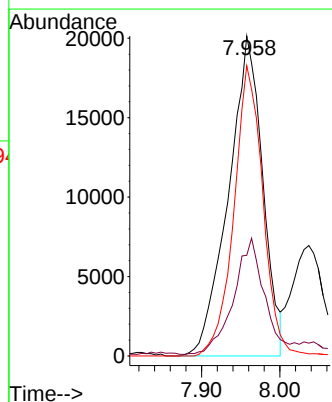
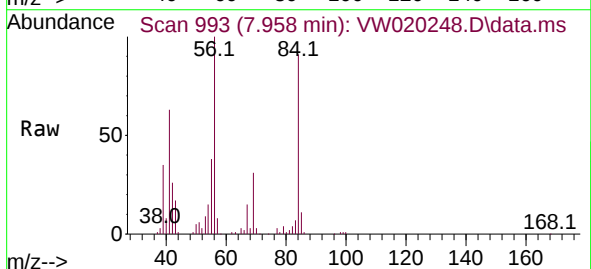
Instrument :
MSVOA_W
ClientSampled :

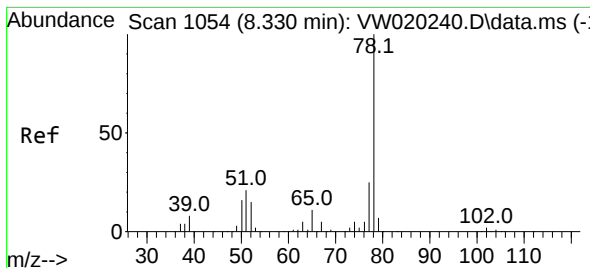
Tgt Ion: 43 Resp: 6077
Ion Ratio Lower Upper
43 100
58 14.4 0.0 61.6



#29
Cyclohexane
Concen: 13.000 ug/L
RT: 7.958 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07

Tgt Ion: 56 Resp: 61015
Ion Ratio Lower Upper
56 100
69 32.6 25.7 38.5
84 77.0 73.4 110.2





#33

Benzene

Concen: 0.799 ug/L

RT: 8.323 min Scan# 1053

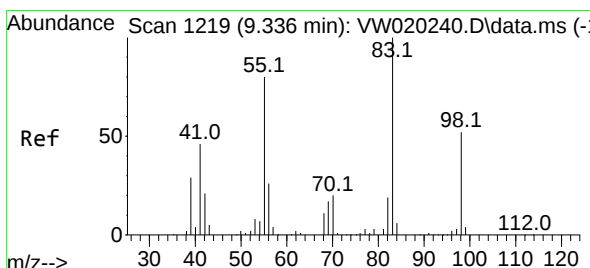
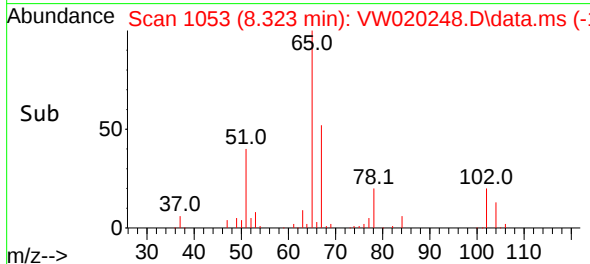
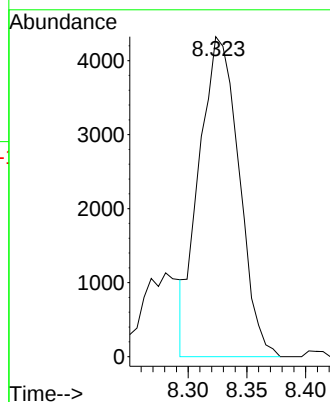
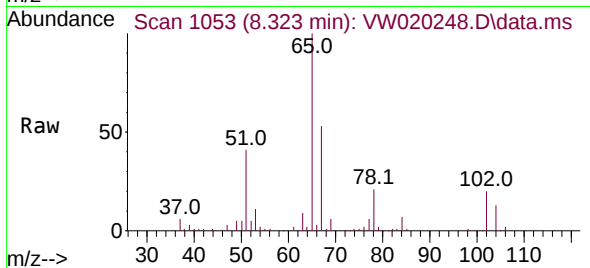
Delta R.T. -0.006 min

Lab File: VW020248.D

Acq: 29 Sep 2021 23:07

Tgt Ion: 78 Resp: 10177

Instrument :
MSVOA_W
ClientSampled :



#35

Methylcyclohexane

Concen: 66.494 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW020248.D

Acq: 29 Sep 2021 23:07

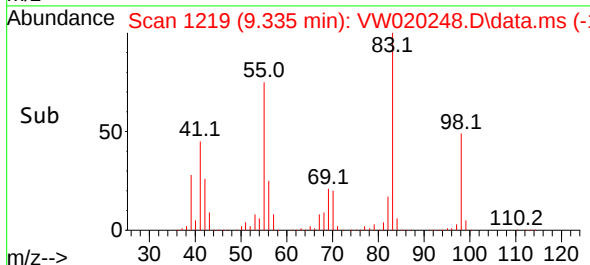
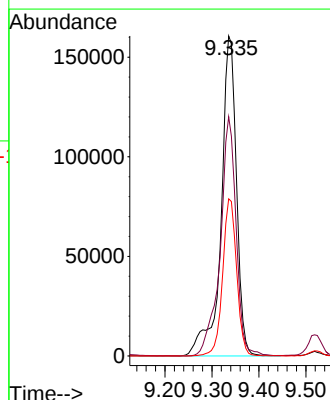
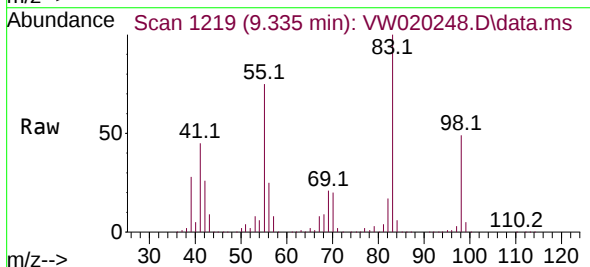
Tgt Ion: 83 Resp: 369213

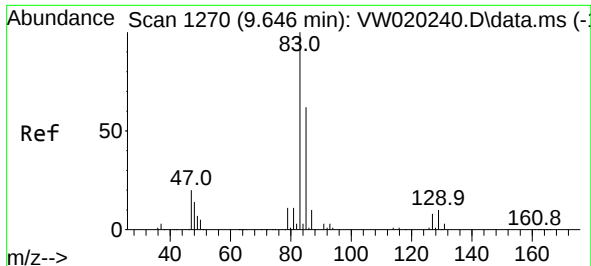
Ion Ratio Lower Upper

83 100

55 77.1 61.4 92.2

98 44.5 38.1 57.1

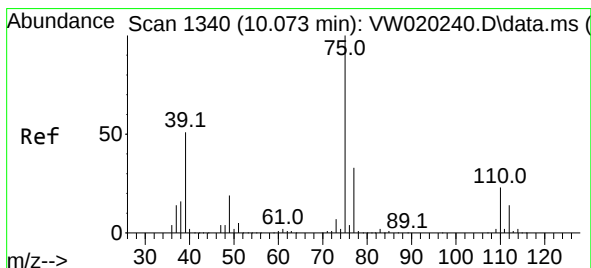
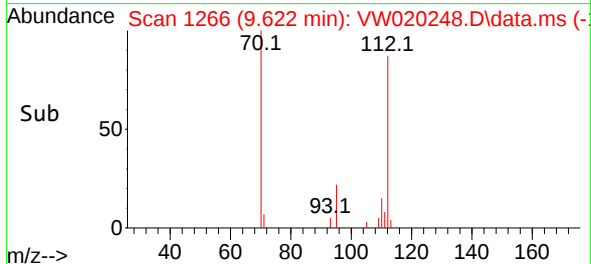
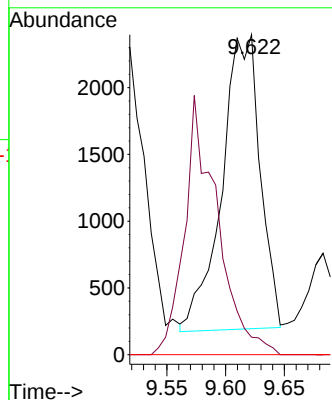
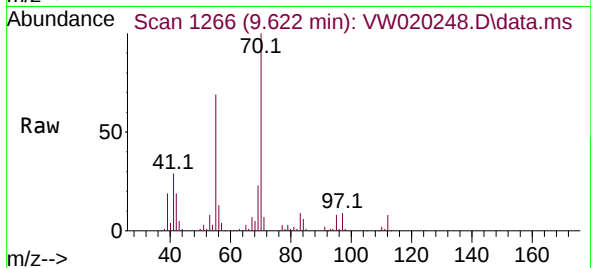




#38
Bromodichloromethane
Concen: 1.170 ug/L
RT: 9.622 min Scan# 1266
Delta R.T. -0.024 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07

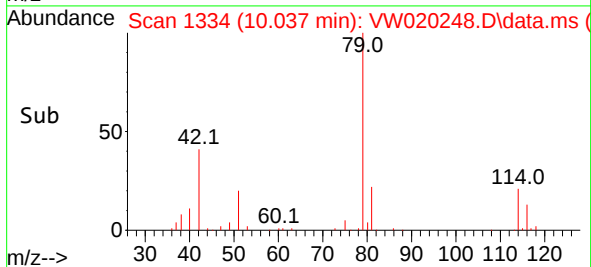
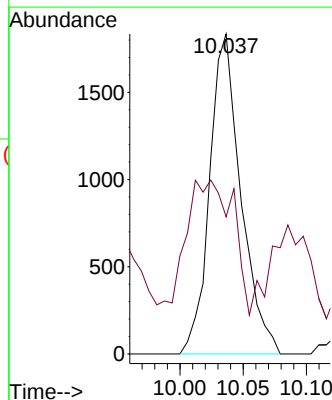
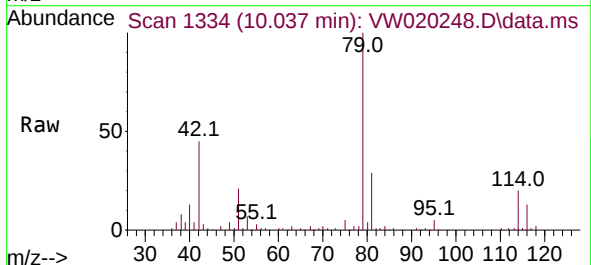
Instrument :
MSVOA_W
ClientSampled :

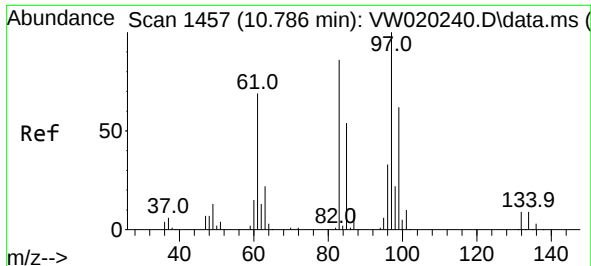
Tgt Ion: 83 Resp: 4997
Ion Ratio Lower Upper
83 100
85 5.4 44.4 82.5#
127 0.0 6.5 9.7#



#39
cis-1,3-Dichloropropene
Concen: 0.678 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07

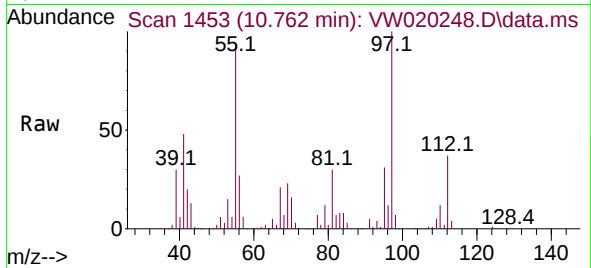
Tgt Ion: 75 Resp: 3152
Ion Ratio Lower Upper
75 100
77 42.8 23.0 42.6#



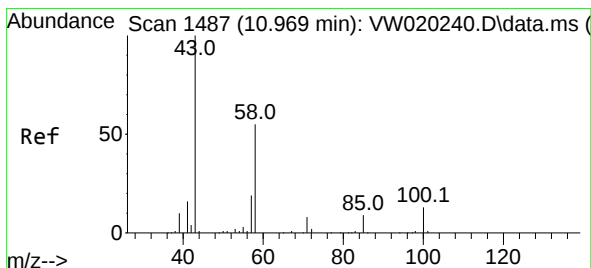
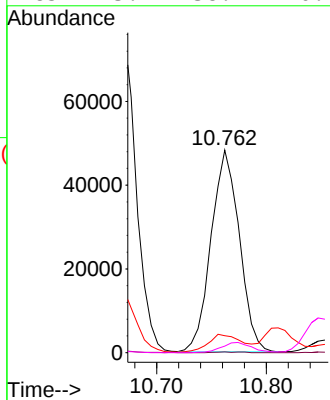
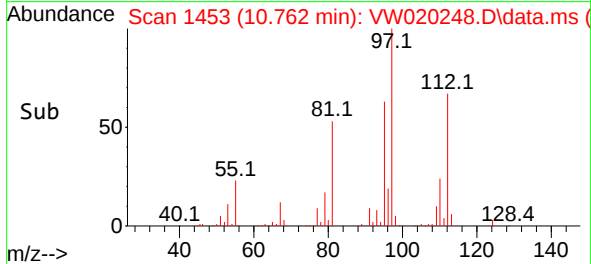


#45
1,1,2-Trichloroethane
Concen: 37.389 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07

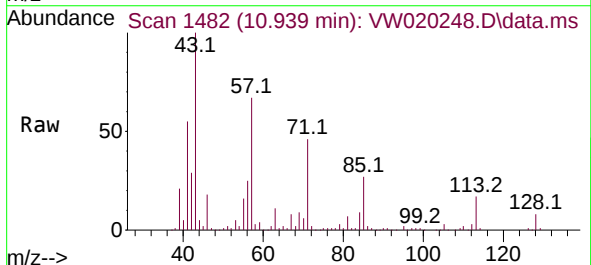
Instrument :
MSVOA_W
ClientSampleId :



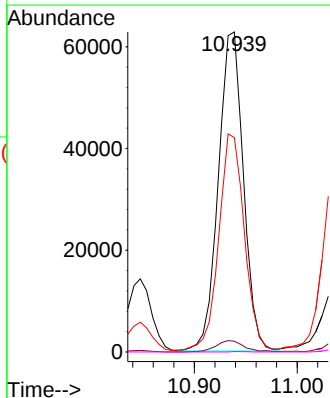
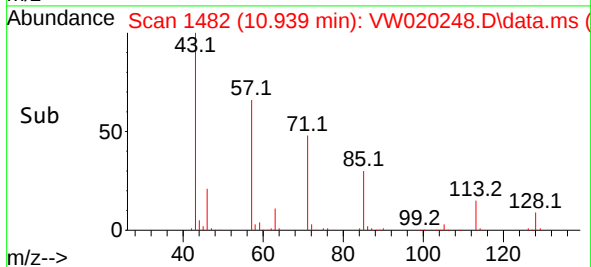
Tgt Ion:	97	Resp:	86443
Ion Ratio	100	Lower	Upper
97	100		
99	0.4	42.0	78.0#
83	8.4	58.7	108.9#
85	3.2	38.1	70.7#

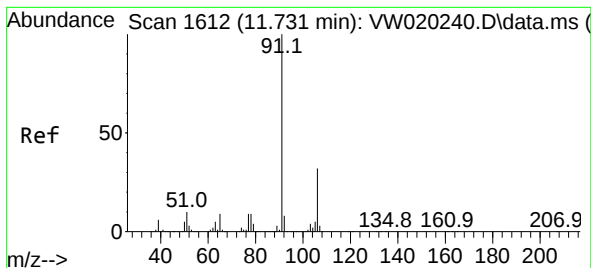


#48
2-Hexanone
Concen: 96.104 ug/L
RT: 10.939 min Scan# 1482
Delta R.T. -0.031 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07



Tgt Ion:	43	Resp:	106310
Ion Ratio	100	Lower	Upper
43	100		
58	4.0	43.8	65.6#
57	69.1	15.6	23.4#
100	0.1	10.5	15.7#

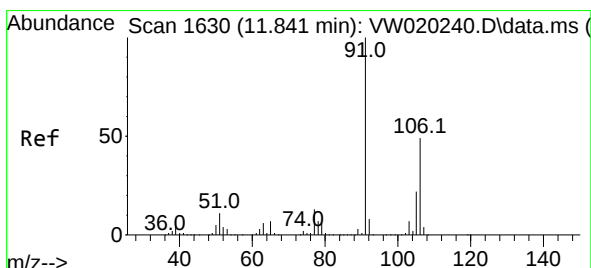
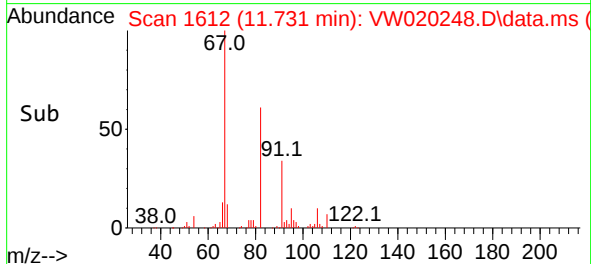
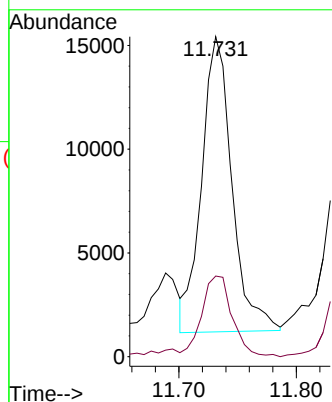
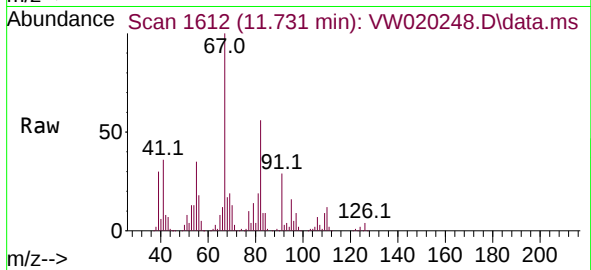




#52
Ethylbenzene
Concen: 1.712 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07

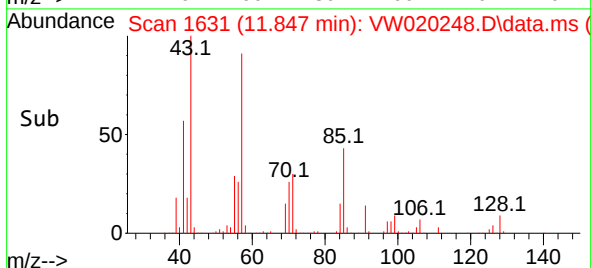
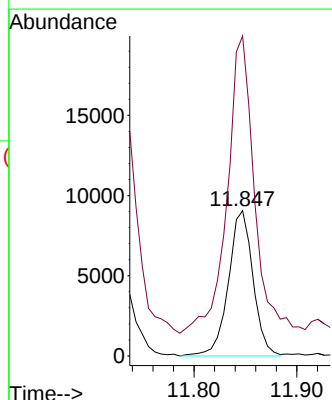
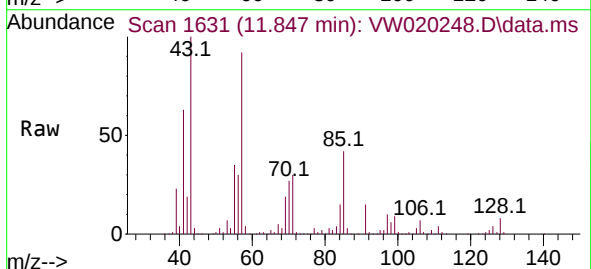
Instrument :
MSVOA_W
ClientSampled :

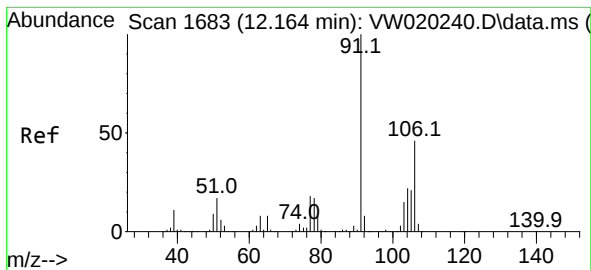
Tgt Ion: 91 Resp: 25499
Ion Ratio Lower Upper
91 100
106 25.2 22.0 40.8



#53
m,p-Xylene
Concen: 2.658 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07

Tgt Ion:106 Resp: 15097
Ion Ratio Lower Upper
106 100
91 220.3 146.4 271.8

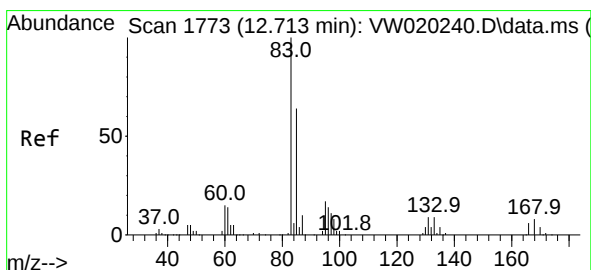
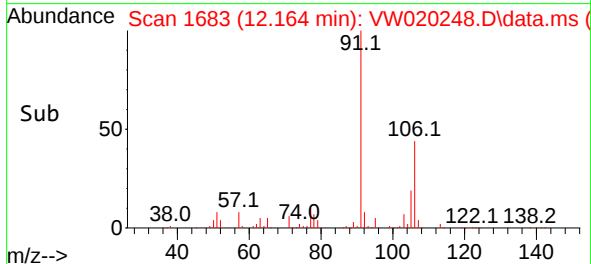
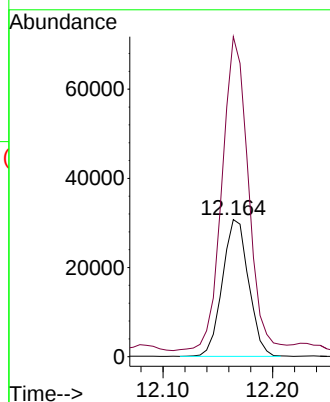
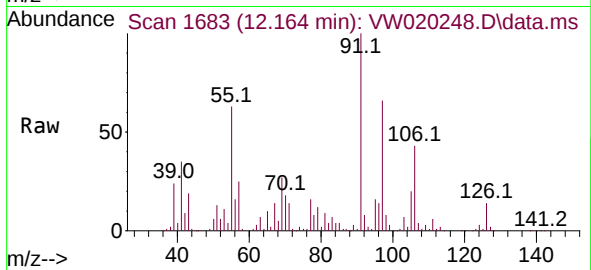




#54
o-Xylene
Concen: 9.681 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07

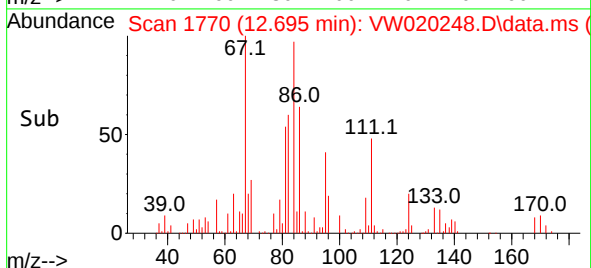
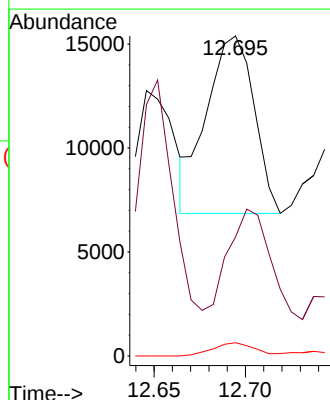
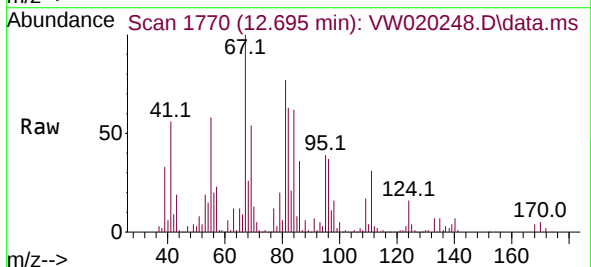
Instrument :
MSVOA_W
ClientSampled :

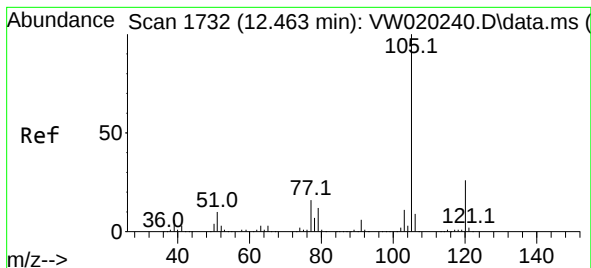
Tgt Ion:106 Resp: 50859
Ion Ratio Lower Upper
106 100
91 233.5 154.3 286.7



#57
1,1,2,2-Tetrachloroethane
Concen: 5.593 ug/L
RT: 12.695 min Scan# 1770
Delta R.T. -0.018 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07

Tgt Ion: 83 Resp: 15445
Ion Ratio Lower Upper
83 100
85 37.2 43.3 80.5#
131 4.1 7.9 11.9#

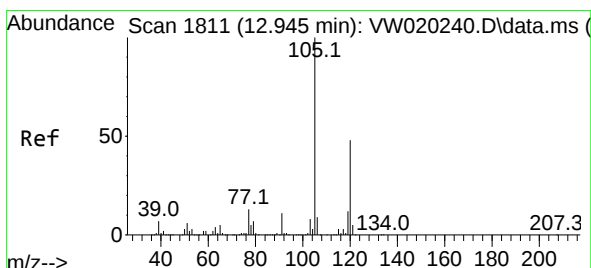
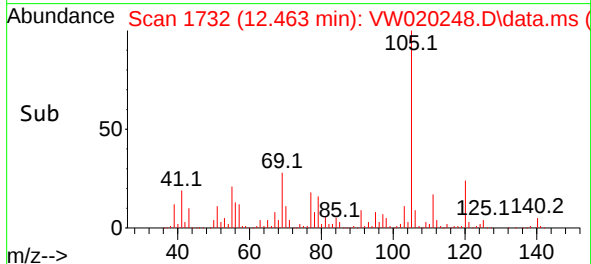
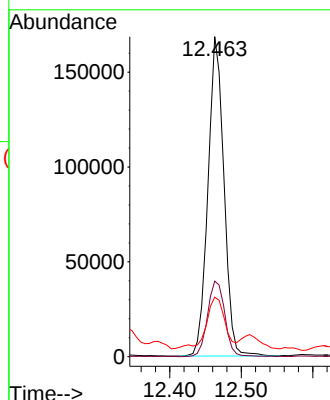
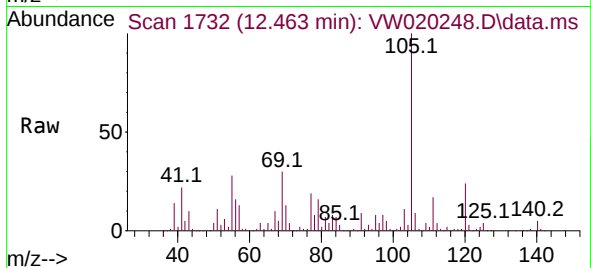




#60
Isopropylbenzene
Concen: 28.178 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07

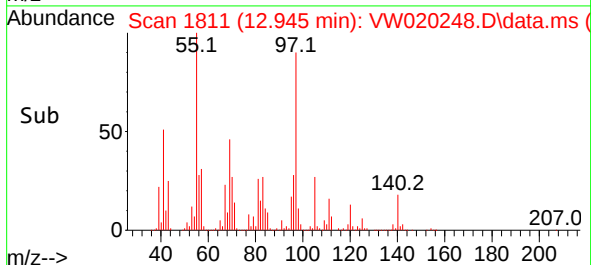
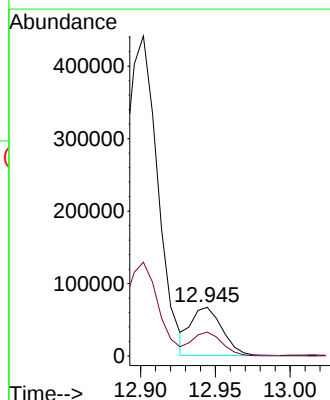
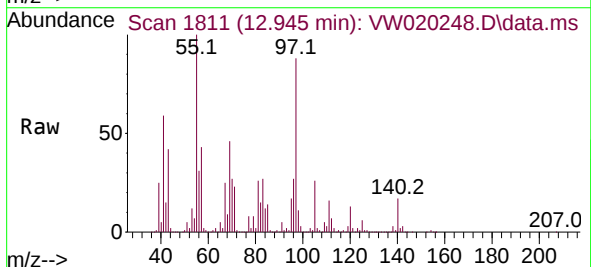
Instrument :
MSVOA_W
ClientSampleId :

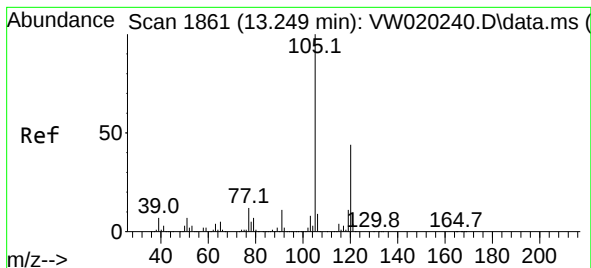
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.9	31.3
77	18.3	13.3	19.9



#62
1,3,5-Trimethylbenzene
Concen: 12.695 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	38.0	57.0

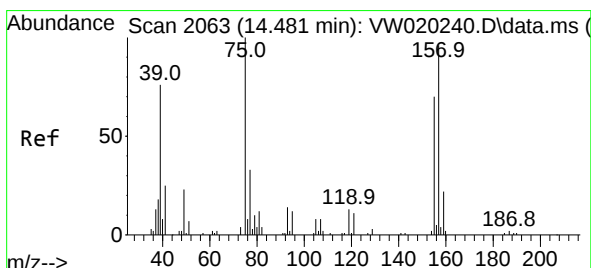
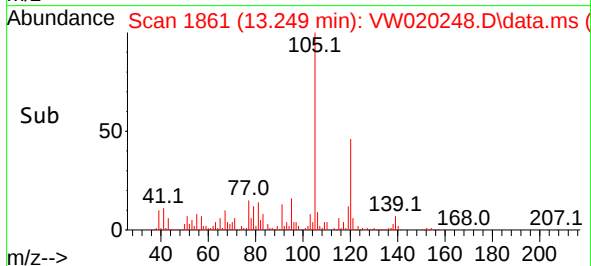
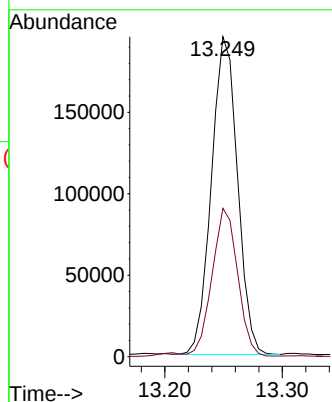
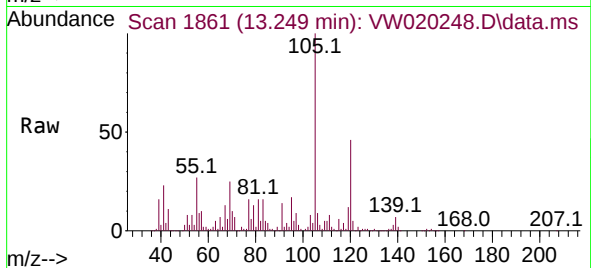




#63
1,2,4-Trimethylbenzene
Concen: 40.293 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07

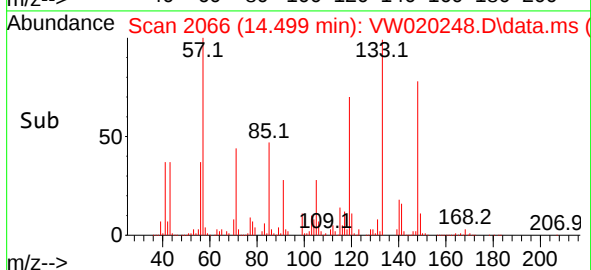
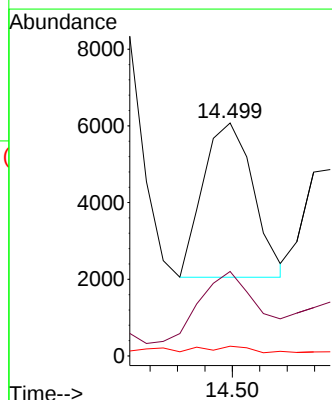
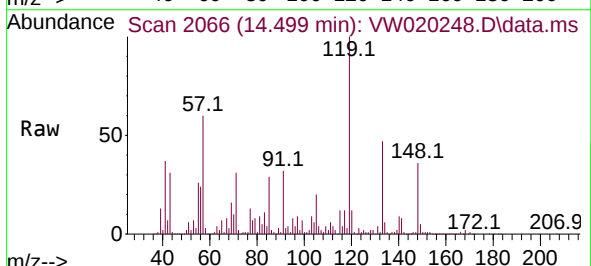
Instrument :
MSVOA_W
ClientSampleId :

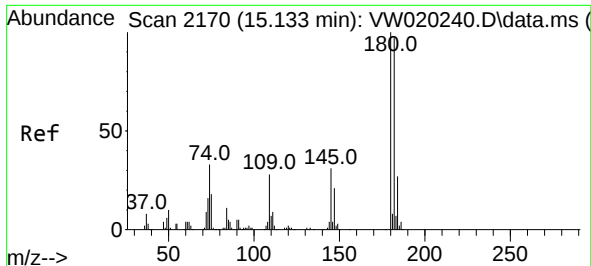
Tgt Ion:105 Resp: 301295
Ion Ratio Lower Upper
105 100
120 45.4 36.2 54.4



#68
1,2-Dibromo-3-chloropropane
Concen: 17.526 ug/L
RT: 14.499 min Scan# 2066
Delta R.T. 0.018 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07

Tgt Ion: 75 Resp: 5139
Ion Ratio Lower Upper
75 100
155 36.2 58.5 87.7#
157 4.2 77.4 116.0#

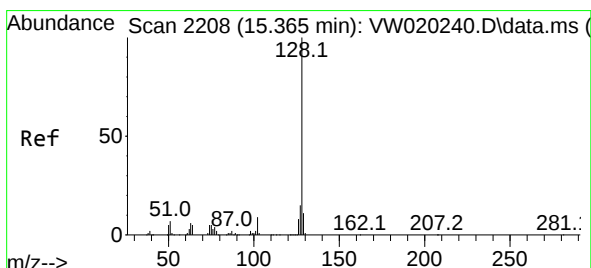
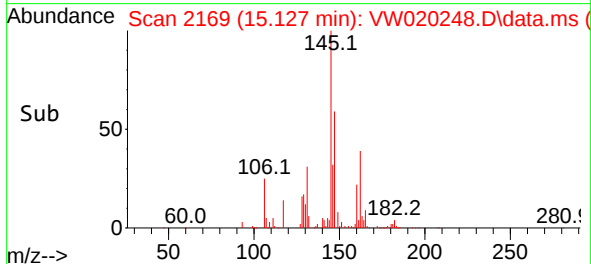
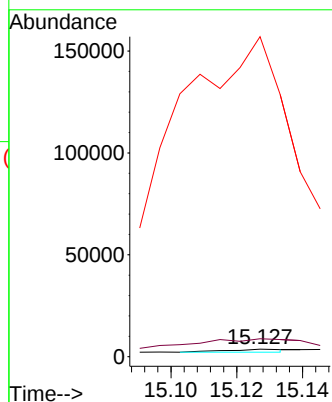
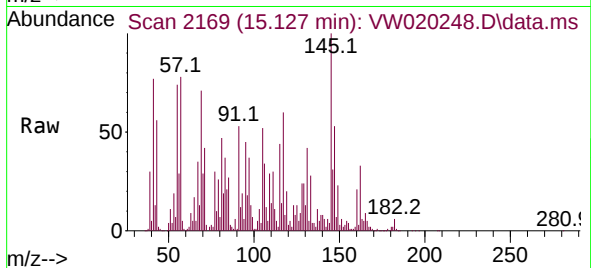




#70
1,2,4-trichlorobenzene
Concen: 0.744 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07

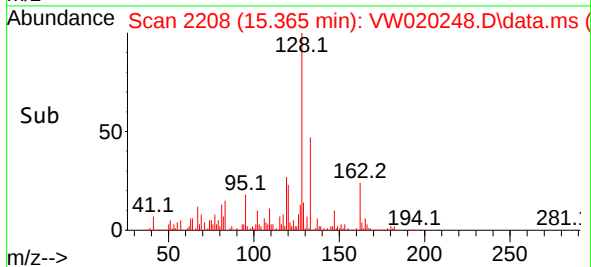
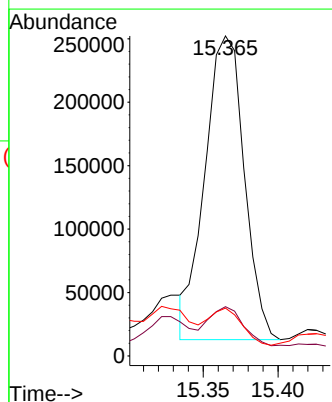
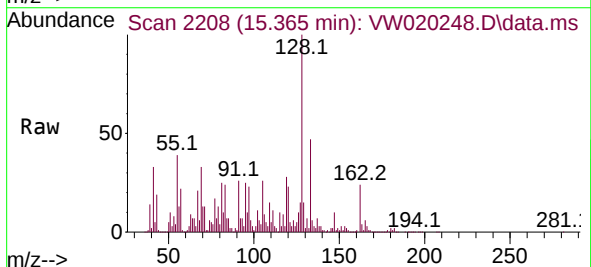
Instrument :
MSVOA_W
ClientSampled :

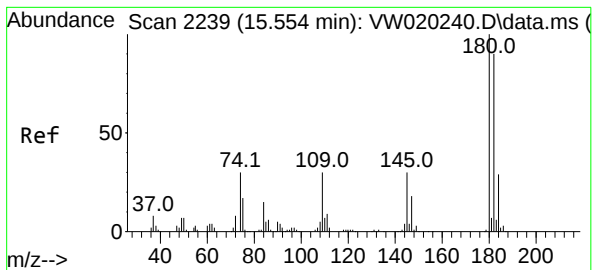
Tgt Ion:180 Resp: 1689
Ion Ratio Lower Upper
180 100
182 984.1 70.6 106.0#
145 10354.9 25.7 38.5#



#71
Naphthalene
Concen: 109.181 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW020248.D
Acq: 29 Sep 2021 23:07

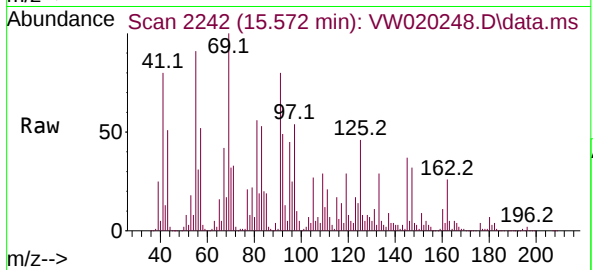
Tgt Ion:128 Resp: 437225
Ion Ratio Lower Upper
128 100
127 11.1 10.3 15.5
129 10.3 8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 5.476 ug/L
 RT: 15.572 min Scan# 2242
 Delta R.T. 0.018 min
 Lab File: VW020248.D
 Acq: 29 Sep 2021 23:07

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 11195
 Ion Ratio Lower Upper
 180 100
 182 80.2 75.7 113.5
 145 0.0 28.2 42.4#

