

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101121\
 Data File : VW020438.D
 Acq On : 11 Oct 2021 12:35
 Operator : SY/VA
 Sample : M4070-21
 Misc : 5.18g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 12 01:24:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100821SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Oct 12 01:21:43 2021
 Response via : Initial Calibration

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

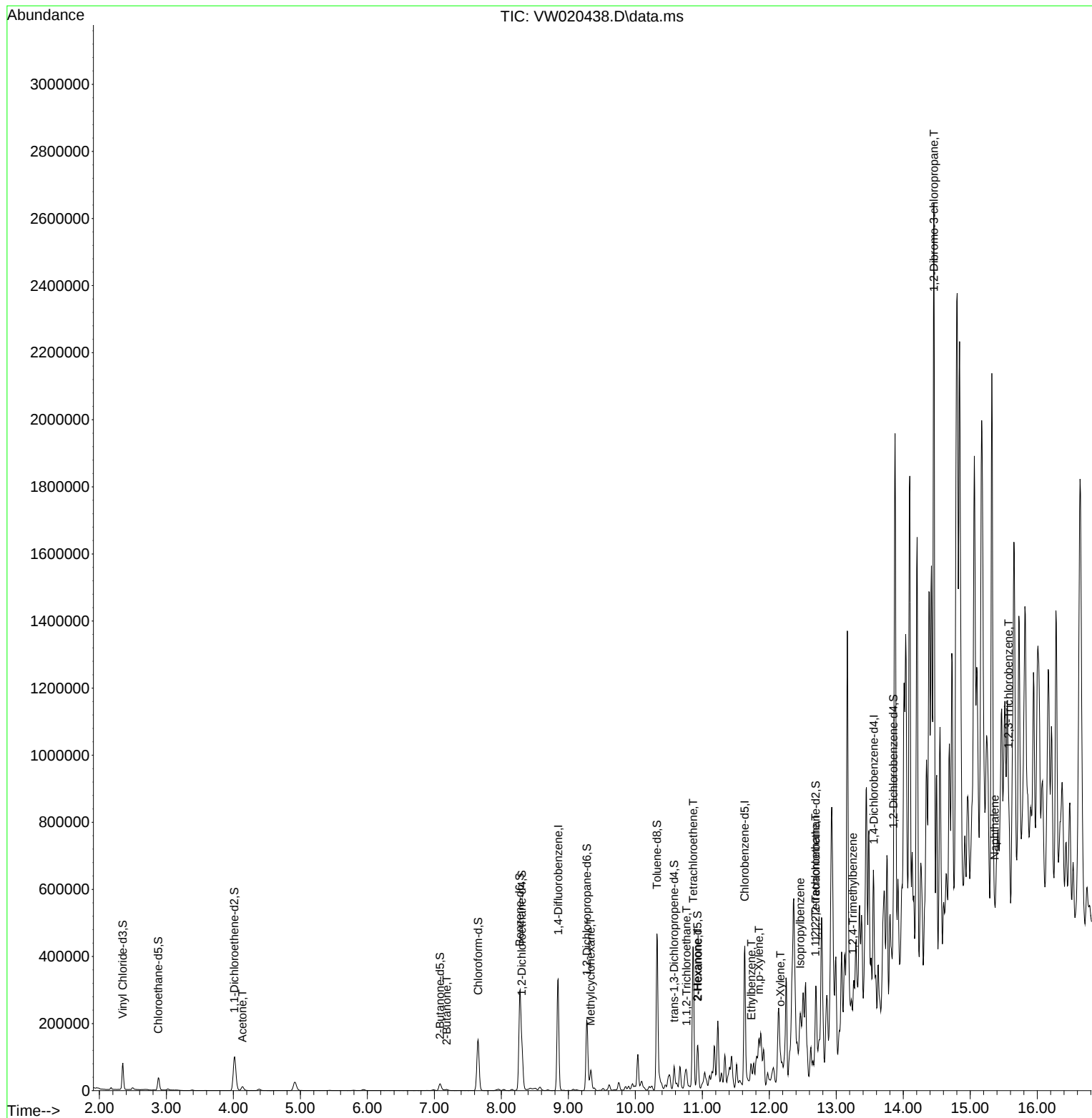
Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	252078	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	209630	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	73722	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	72499	19.765	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.080%
7) Chloroethane-d5	2.879	69	38457	19.848	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.400%
11) 1,1-Dichloroethene-d2	4.013	63	104101	13.851	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	55.400%
21) 2-Butanone-d5	7.086	46	35648	31.934	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.860%
24) Chloroform-d	7.653	84	148759	18.513	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	74.040%
26) 1,2-Dichloroethane-d4	8.305	65	83116	18.111	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	72.440%
32) Benzene-d6	8.275	84	292131	21.186	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.760%
36) 1,2-Dichloropropane-d6	9.274	67	95247	21.194	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.760%
41) Toluene-d8	10.323	98	247124	19.974	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.880%
43) trans-1,3-Dichloroprop...	10.579	79	35111	19.226	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.920%
47) 2-Hexanone-d5	10.927	63	26729	38.663	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.320%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	57899	17.044	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	68.160%
66) 1,2-Dichlorobenzene-d4	13.853	152	56686	19.656	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	78.640%
Target Compounds						Qvalue
13) Acetone	4.135	43	21538	21.015	ug/L	97
22) 2-Butanone	7.183	43	5562	4.336	ug/L #	72
35) Methylcyclohexane	9.335	83	19234	3.055	ug/L #	79
45) 1,1,2-Trichloroethane	10.762	97	15669	6.311	ug/L #	21
46) Tetrachloroethene	10.866	164	92411	34.976	ug/L	90
48) 2-Hexanone	10.933	43	30018	17.629	ug/L #	33
52) Ethylbenzene	11.731	91	10945	0.674	ug/L	99
53) m,p-Xylene	11.847	106	27518	4.573	ug/L	98
54) o-Xylene	12.164	106	8376	1.507	ug/L	87
57) 1,1,2,2-Tetrachloroethane	12.689	83	8814	2.864	ug/L #	76
60) Isopropylbenzene	12.463	105	54935	5.077	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	27508	3.143	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.457	75	15326	44.426	ug/L #	11
71) Naphthalene	15.365	128	20320	4.275	ug/L #	69
72) 1,2,3-Trichlorobenzene	15.572	180	3390	1.460	ug/L #	1

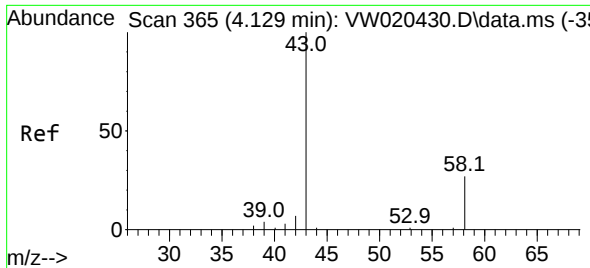
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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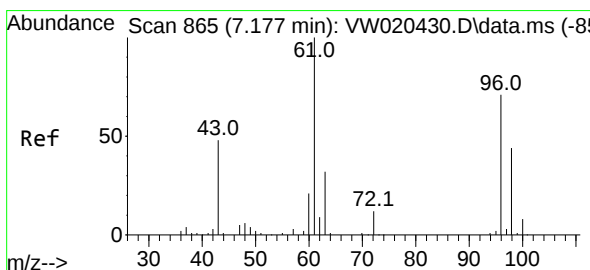
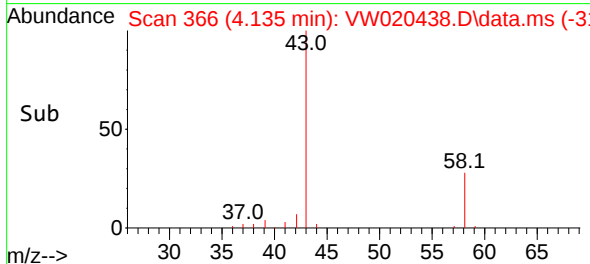
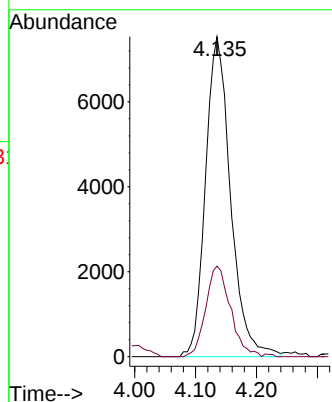
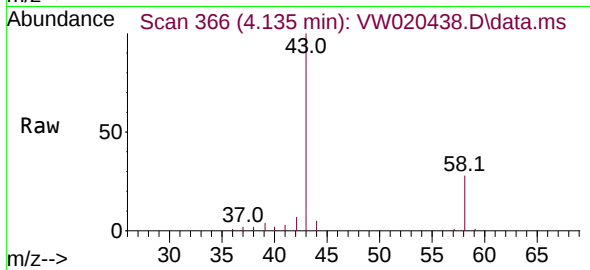




#13
Acetone
Concen: 21.015 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.006 min
Lab File: VW020438.D
Acq: 11 Oct 2021 12:35

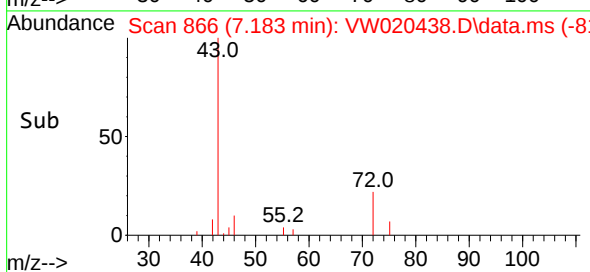
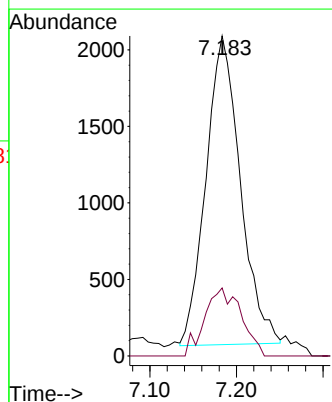
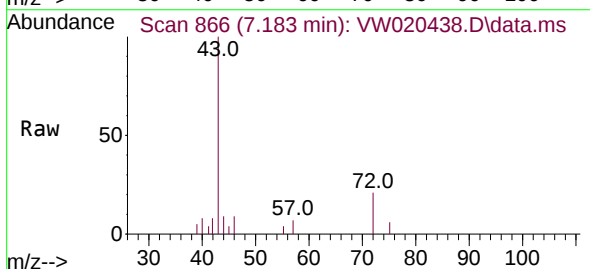
Instrument :
MSVOA_W
ClientSampled :

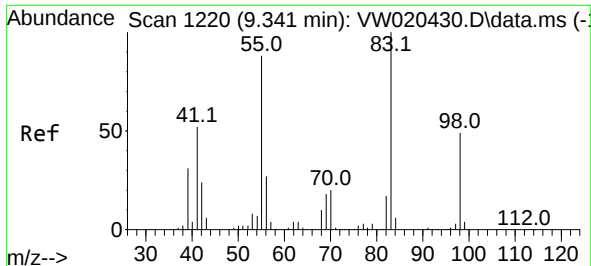
Tgt Ion: 43 Resp: 21538
Ion Ratio Lower Upper
43 100
58 27.4 0.0 58.4



#22
2-Butanone
Concen: 4.336 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.006 min
Lab File: VW020438.D
Acq: 11 Oct 2021 12:35

Tgt Ion: 43 Resp: 5562
Ion Ratio Lower Upper
43 100
72 10.5 12.2 36.6#

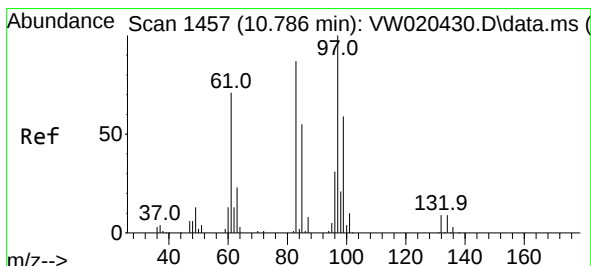
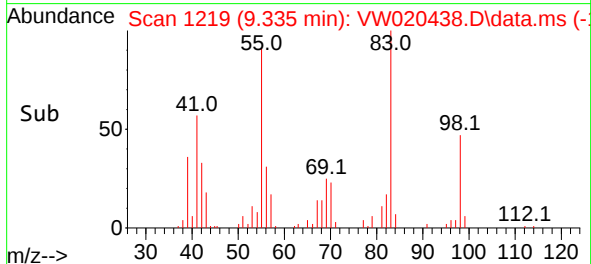
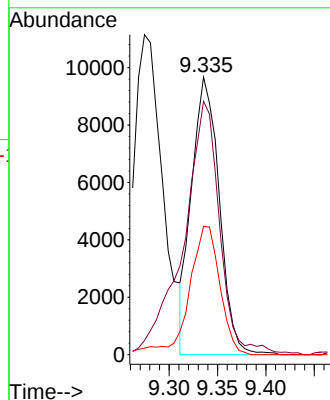
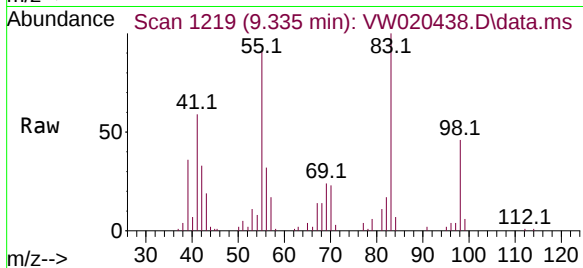




#35
Methylcyclohexane
Concen: 3.055 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.006 min
Lab File: VW020438.D
Acq: 11 Oct 2021 12:35

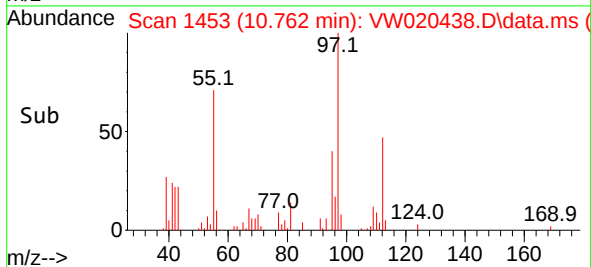
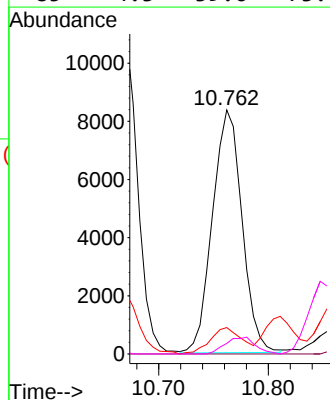
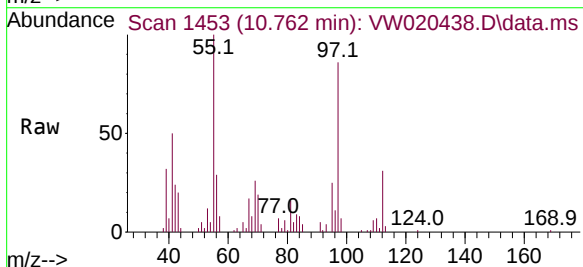
Instrument :
MSVOA_W
ClientSampled :

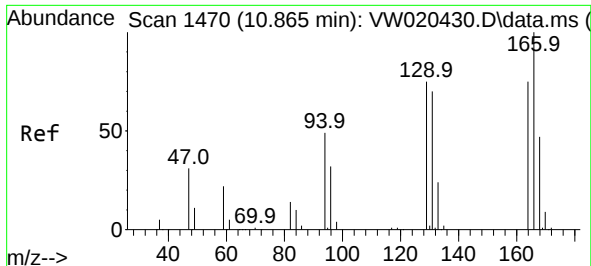
Tgt Ion: 83 Resp: 19234
Ion Ratio Lower Upper
83 100
55 116.9 69.7 104.5#
98 48.5 38.2 57.2



#45
1,1,2-Trichloroethane
Concen: 6.311 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW020438.D
Acq: 11 Oct 2021 12:35

Tgt Ion: 97 Resp: 15669
Ion Ratio Lower Upper
97 100
99 0.0 42.8 79.4#
83 10.8 60.9 113.1#
85 4.3 39.6 73.6#

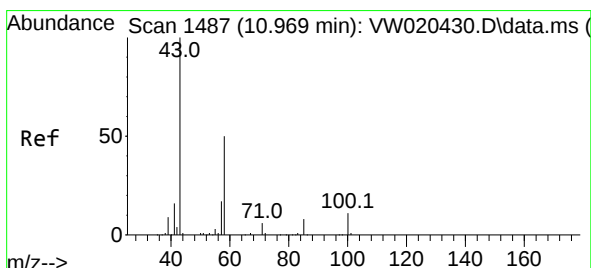
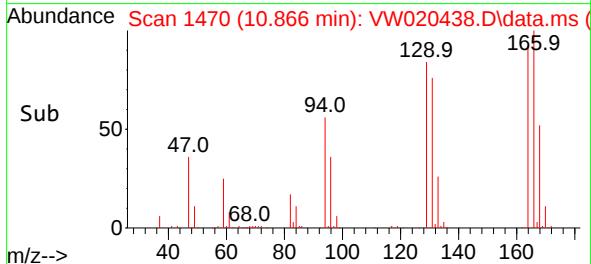
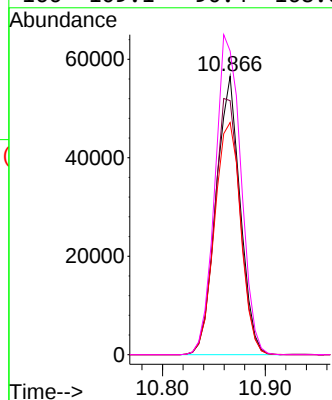
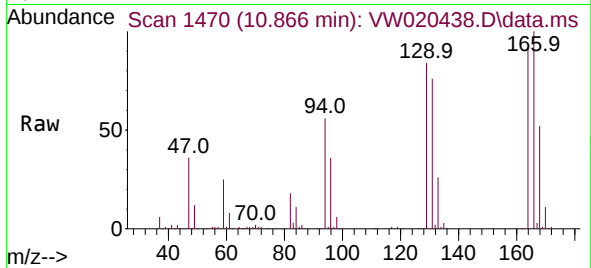




#46
Tetrachloroethene
Concen: 34.976 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VW020438.D
Acq: 11 Oct 2021 12:35

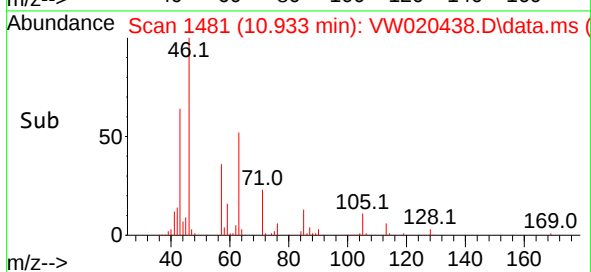
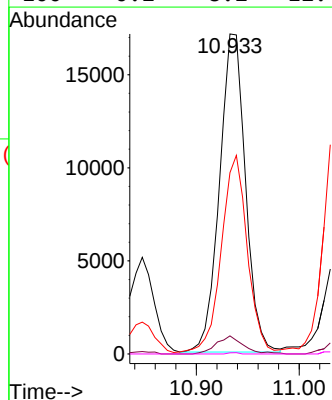
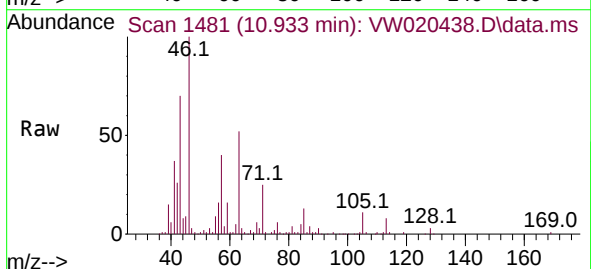
Instrument :
MSVOA_W
ClientSampled :

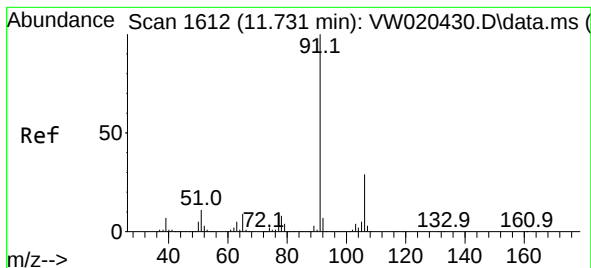
Tgt Ion:164	Resp:	92411
Ion	Ratio	Lower Upper
164	100	
129	91.3	69.1 128.3
131	83.4	58.3 108.3
166	109.1	90.4 168.0



#48
2-Hexanone
Concen: 17.629 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.036 min
Lab File: VW020438.D
Acq: 11 Oct 2021 12:35

Tgt Ion: 43	Resp:	30018
Ion	Ratio	Lower Upper
43	100	
58	5.6	39.5 59.3#
57	61.5	14.2 21.4#
100	0.2	8.2 12.4#

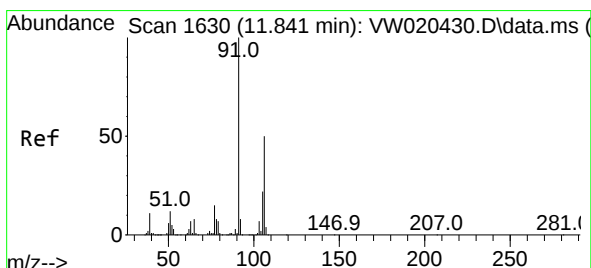
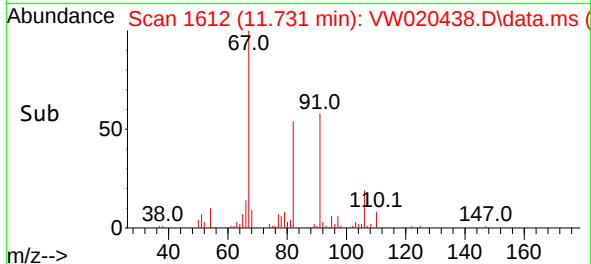
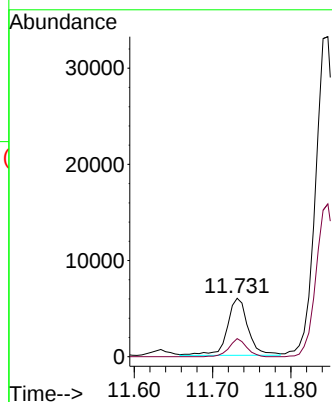
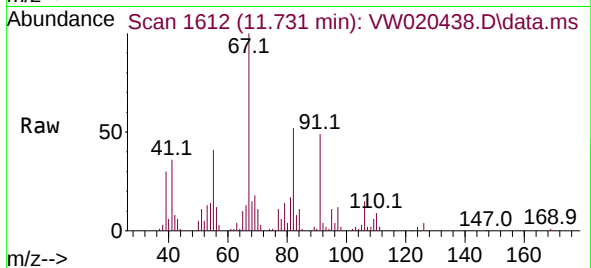




#52
Ethylbenzene
Concen: 0.674 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020438.D
Acq: 11 Oct 2021 12:35

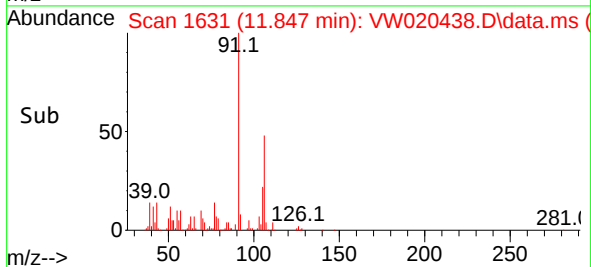
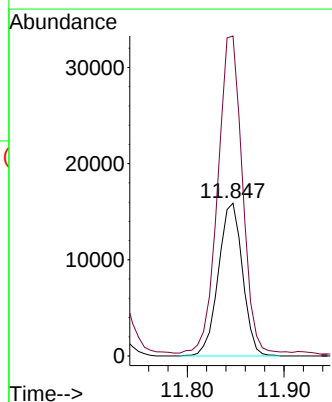
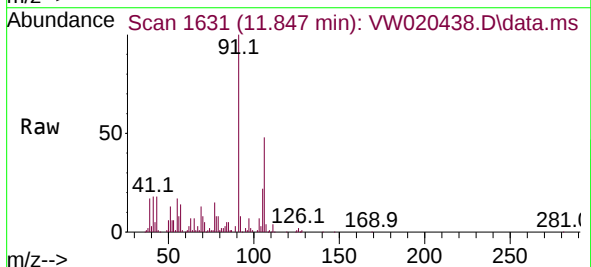
Instrument :
MSVOA_W
ClientSampled :

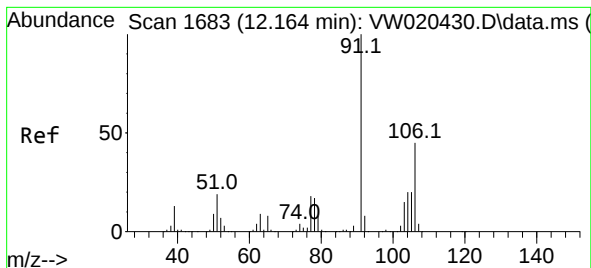
Tgt Ion: 91 Resp: 10945
Ion Ratio Lower Upper
91 100
106 30.8 21.3 39.5



#53
m,p-Xylene
Concen: 4.573 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW020438.D
Acq: 11 Oct 2021 12:35

Tgt Ion:106 Resp: 27518
Ion Ratio Lower Upper
106 100
91 209.3 148.2 275.2

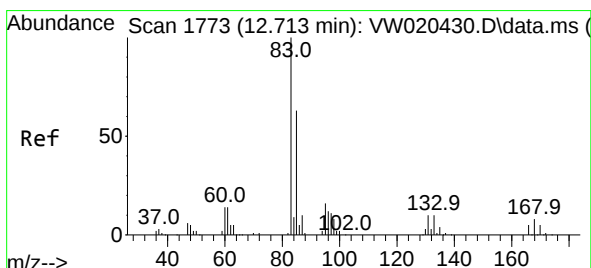
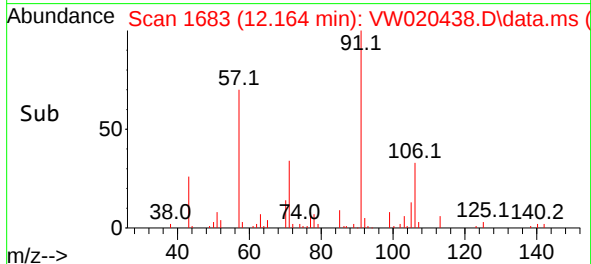
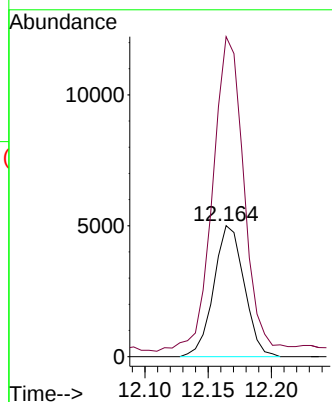
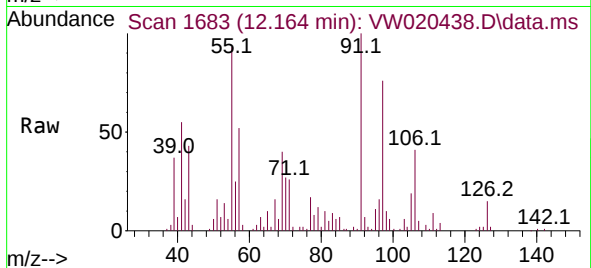




#54
o-Xylene
Concen: 1.507 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020438.D
Acq: 11 Oct 2021 12:35

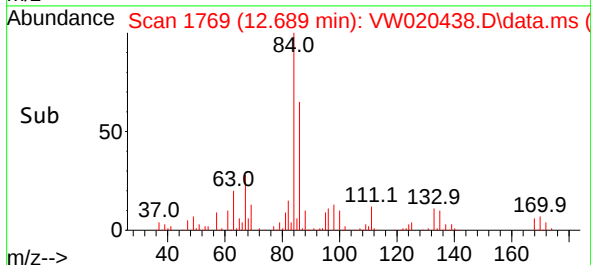
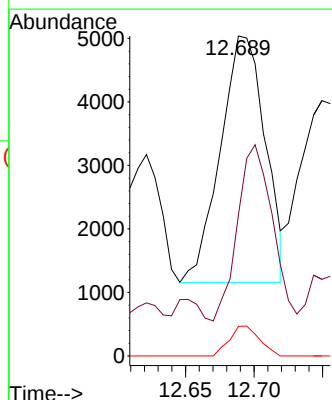
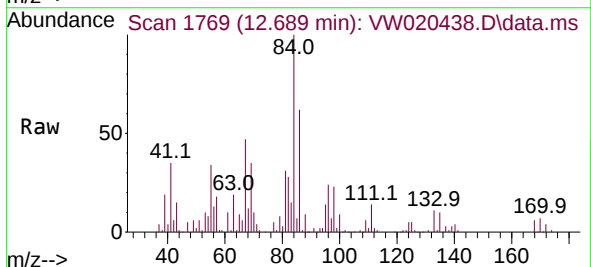
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MSVOA_W
ClientSampled :

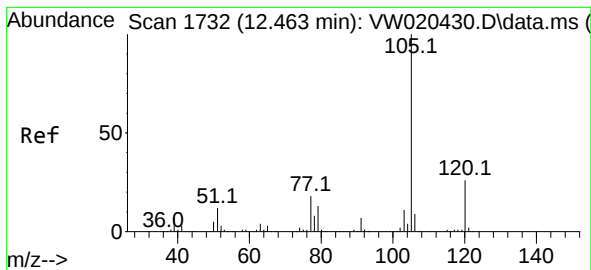
Tgt Ion:106 Resp: 8376
Ion Ratio Lower Upper
106 100
91 244.1 156.1 289.9



#57
1,1,2,2-Tetrachloroethane
Concen: 2.864 ug/L
RT: 12.689 min Scan# 1769
Delta R.T. -0.024 min
Lab File: VW020438.D
Acq: 11 Oct 2021 12:35

Tgt Ion: 83 Resp: 8814
Ion Ratio Lower Upper
83 100
85 44.1 45.9 85.3#
131 9.2 7.4 11.2

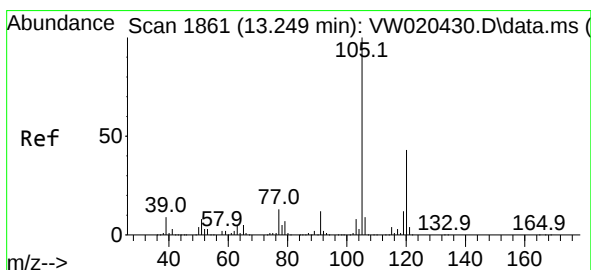
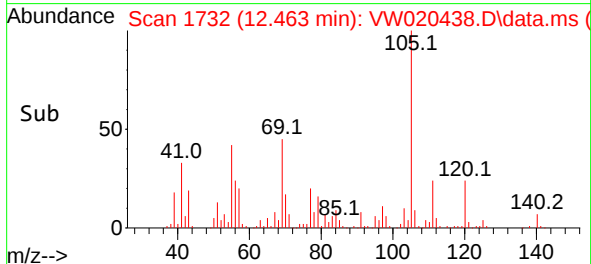
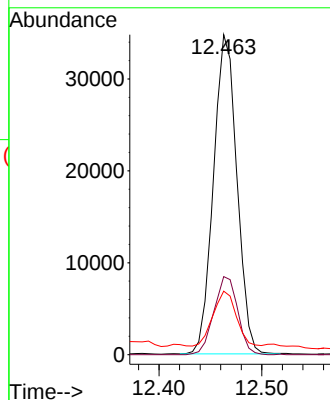
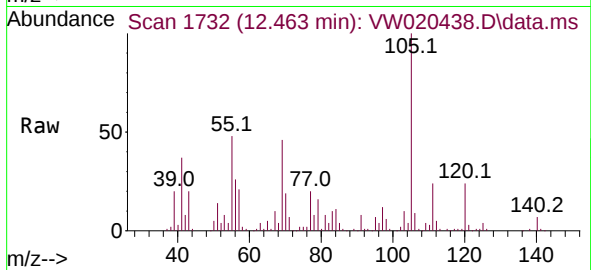




#60
Isopropylbenzene
Concen: 5.077 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW020438.D
Acq: 11 Oct 2021 12:35

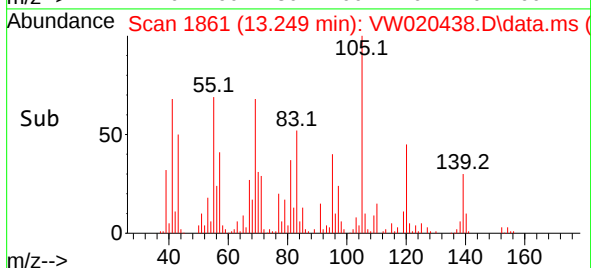
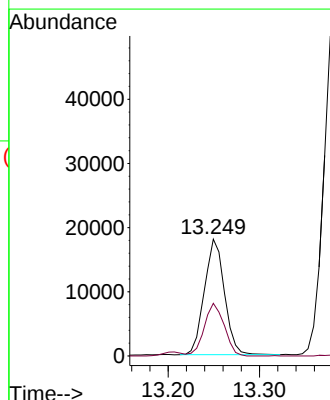
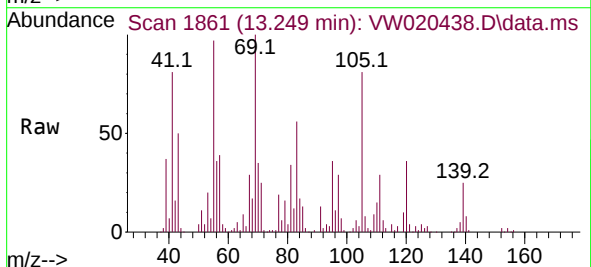
Instrument :
MSVOA_W
ClientSampled :

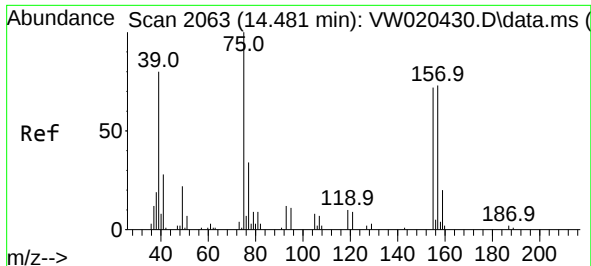
Tgt Ion:	105	Resp:	54935
Ion Ratio	Lower	Upper	
105	100		
120	24.8	20.3	30.5
77	17.4	13.8	20.6



#63
1,2,4-Trimethylbenzene
Concen: 3.143 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020438.D
Acq: 11 Oct 2021 12:35

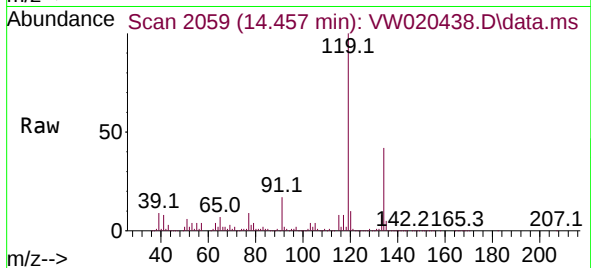
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Ion Ratio	Lower	Upper	
105	100		
120	45.1	35.4	53.2



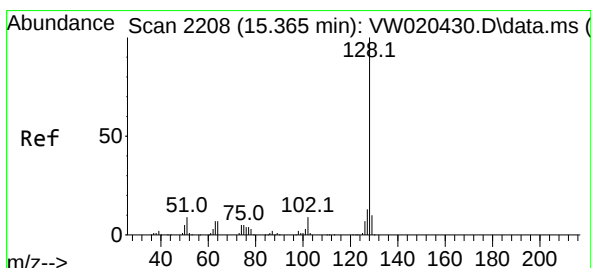
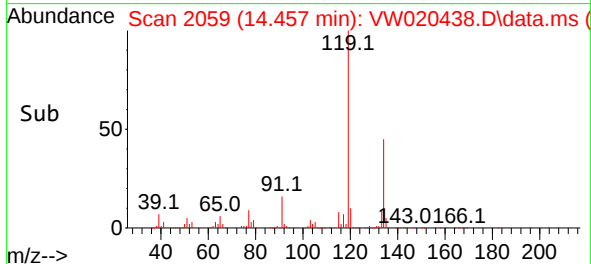
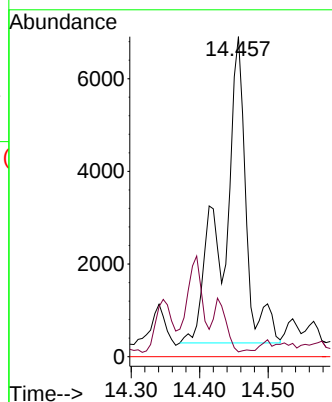


#68
1,2-Dibromo-3-chloropropane
Concen: 44.426 ug/L
RT: 14.457 min Scan# 2059
Delta R.T. -0.024 min
Lab File: VW020438.D
Acq: 11 Oct 2021 12:35

Instrument :
MSVOA_W
ClientSampleId :

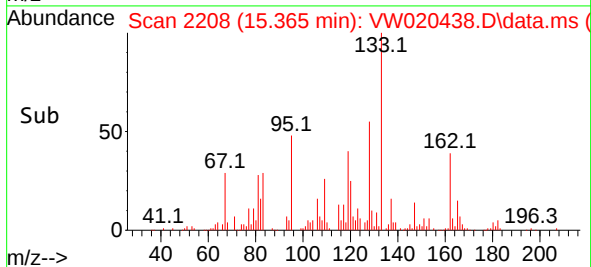
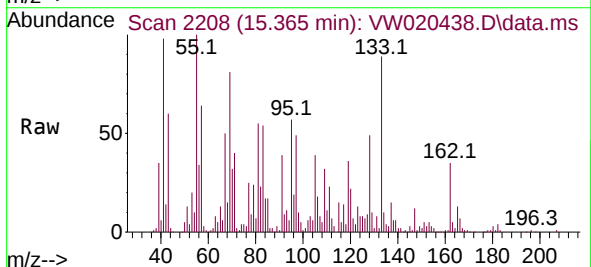
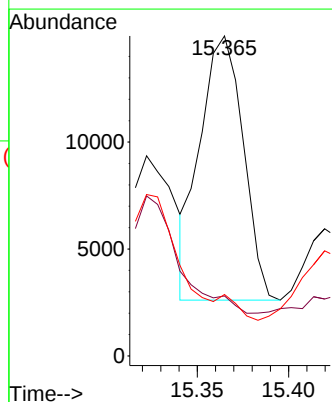


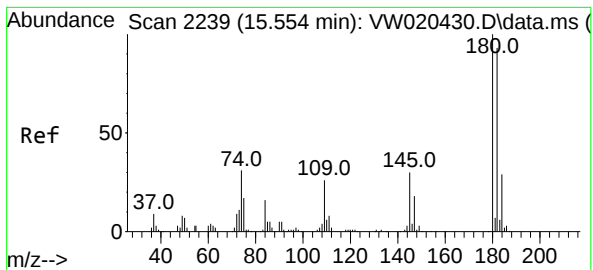
Tgt Ion: 75 Resp: 15326
Ion Ratio Lower Upper
75 100
155 1.5 51.4 77.0#
157 0.0 70.8 106.2#



#71
Naphthalene
Concen: 4.275 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW020438.D
Acq: 11 Oct 2021 12:35

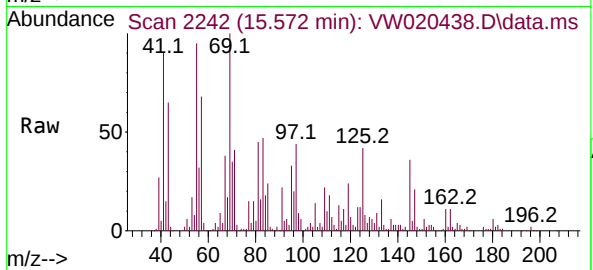
Tgt Ion: 128 Resp: 20320
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#72
 1,2,3-Trichlorobenzene
 Concen: 1.460 ug/L
 RT: 15.572 min Scan# 2242
 Delta R.T. 0.019 min
 Lab File: VW020438.D
 Acq: 11 Oct 2021 12:35

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 3390
 Ion Ratio Lower Upper
 180 100
 182 93.2 74.8 112.2
 145 3073.3 26.2 39.4#

