

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\
 Data File : VW017909.D
 Acq On : 15 Jan 2021 19:43
 Operator : SY/VA
 Sample : M1099-20
 Misc : 6.70G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C16

Manual Integrations
 APPROVED

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 1/18/2021 8:51:00 AM

Quant Time: Jan 18 04:04:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 18 02:07:49 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	260525	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	175750	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	49408	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	98545	24.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.80%
7) Chloroethane-d5	2.89	69	82515	24.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.20%
10) 1,1-Dichloroethene-d2	4.02	63	118169	16.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.32%
20) 2-Butanone-d5	7.07	46	53603	82.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	164.10%#
24) Chloroform-d	7.65	84	169092	24.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.36%
26) 1,2-Dichloroethane-d4	8.31	65	106945	30.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	121.40%
29) Benzene-d6	8.27	84	311177	31.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	125.72%
33) 1,2-Dichloropropane-d6	9.27	67	97313	35.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	142.64%#
37) Toluene-d8	10.32	98	236465	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.48%
38) trans-1,3-Dichloropropene-	10.58	79	27140	22.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.24%
39) 2-Hexanone-d5	10.93	63	36959	107.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	215.70%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	71225	35.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	140.64%#
61) 1,2-Dichlorobenzene-d4	13.85	152	40924	23.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	79916	141.653	ug/L	89
14) Carbon disulfide	4.39	76	24170	2.521	ug/L	100
16) Methylene chloride	4.92	84	9987	2.681	ug/L	89
21) 2-Butanone	7.18	43	25765	33.952	ug/L	94
30) Cyclohexane	7.94	56	2130m	0.509	ug/L	
34) Benzene	8.32	78	10290	1.024	ug/L	100
36) Methylcyclohexane	9.34	83	6889	1.417	ug/L #	73
44) Toluene	10.39	91	14585	1.273	ug/L	98
52) Chlorobenzene	11.66	112	436986	61.090	ug/L	93
53) Ethylbenzene	11.73	91	8517	0.655	ug/L	95
54) m,p-Xylene	11.84	106	7159	1.408	ug/L	95
55) o-xylene	12.16	106	2934	0.613	ug/L	93
57) Isopropylbenzene	12.46	105	115996	8.760	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	65596	21.510	ug/L	90
64) 1,4-Dichlorobenzene	13.58	146	141439	46.153	ug/L	94

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Manual Integrations
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Quant Title : VOC Analysis
QLast Update : Mon Jan 18 02:07:49 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

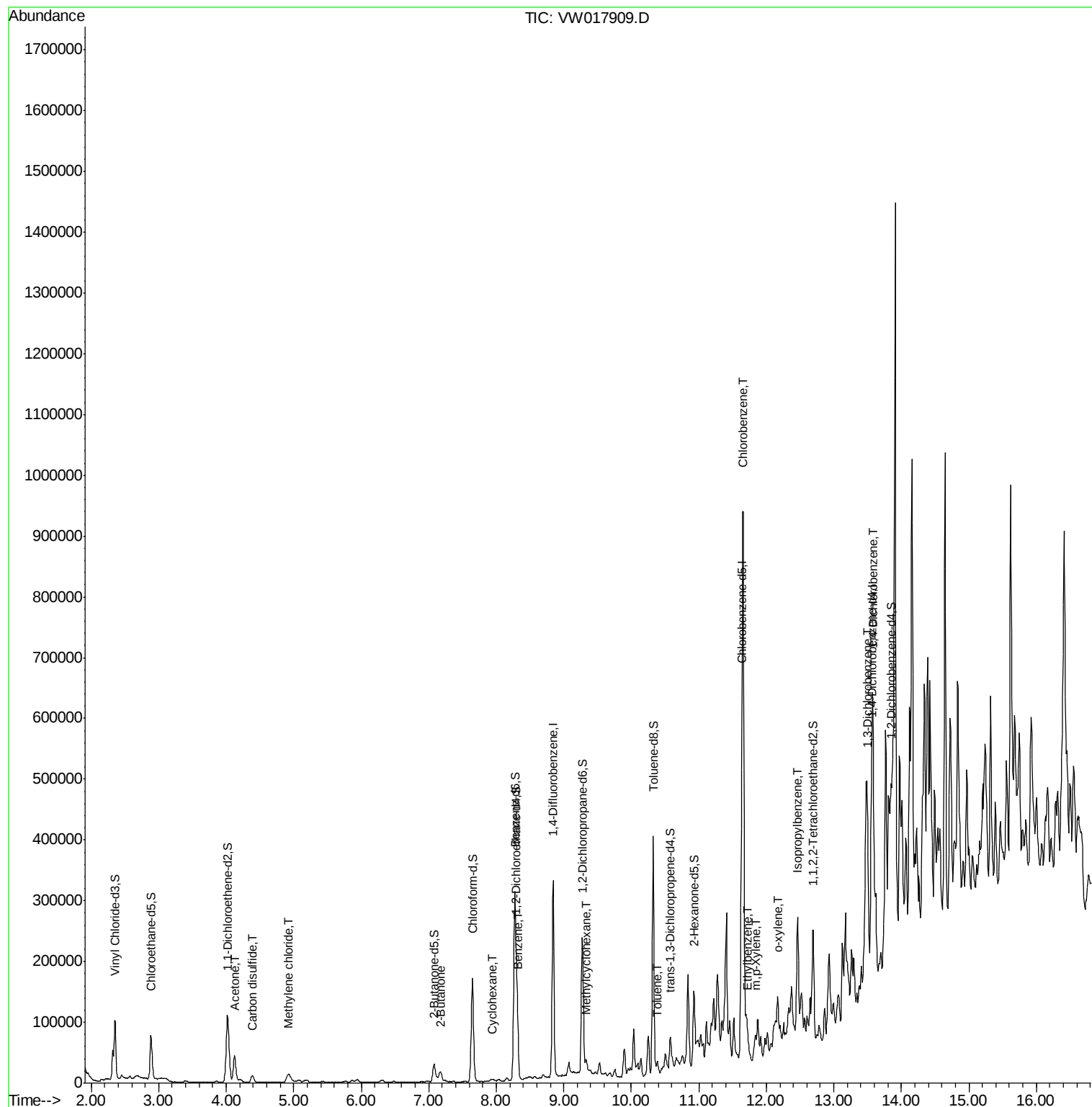
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Operator : SY/VA
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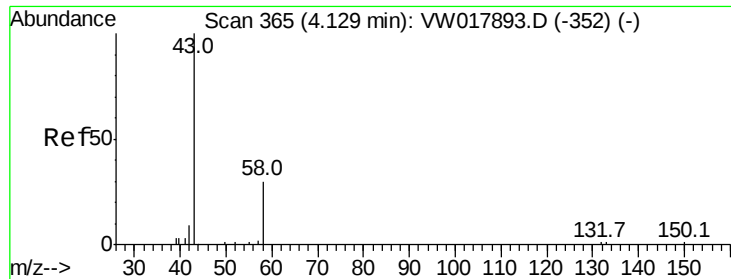
Instrument :
MSVOA_W
ClientSampleId :
F1C16

Manual Integrations
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Quant Time: Jan 18 04:04:40 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
Quant Title : VOC Analysis
QLast Update : Mon Jan 18 02:07:49 2021
Response via : Initial Calibration





#13

Acetone

Concen: 141.653 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017909.D

Acq: 15 Jan 2021 19:43

Instrument :

MSVOA_W

ClientSampleId :

F1C16

Tot Ion: 43 Resp: 79916

Ion Ratio Lower Upper

43 100

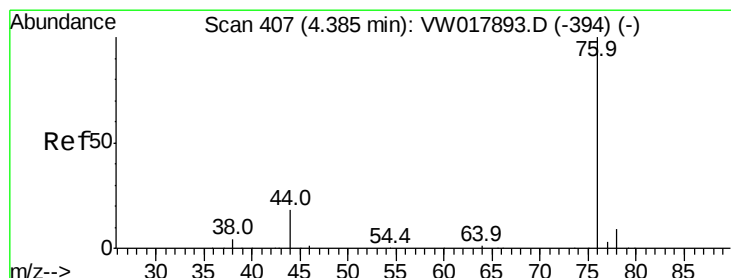
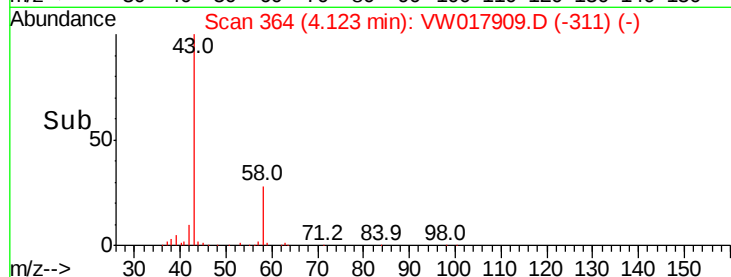
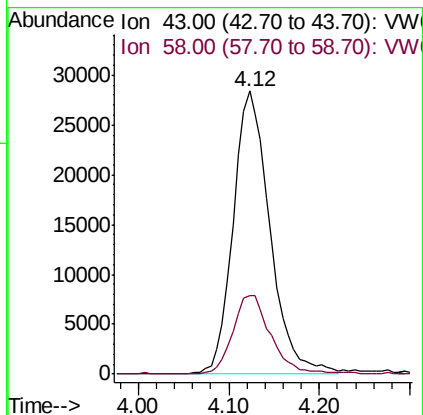
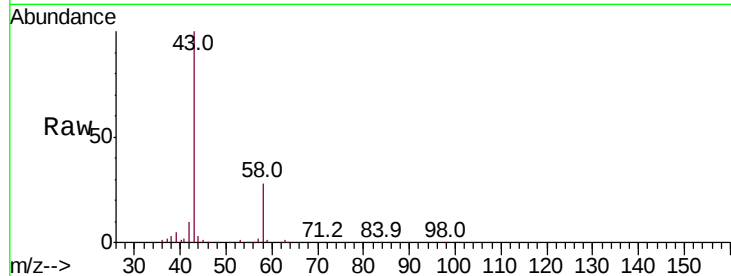
58 28.1 0.0 68.4

Manual Integrations

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#14

Carbon disulfide

Concen: 2.521 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017909.D

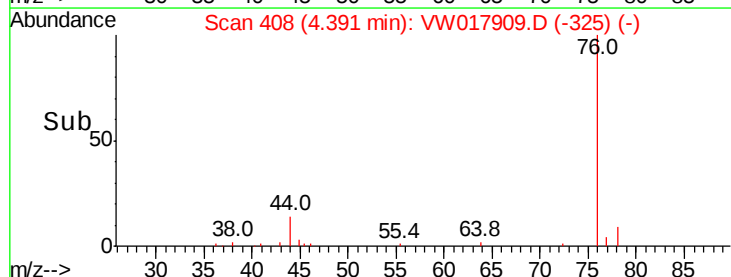
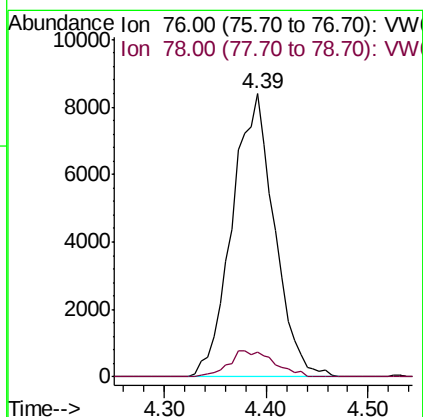
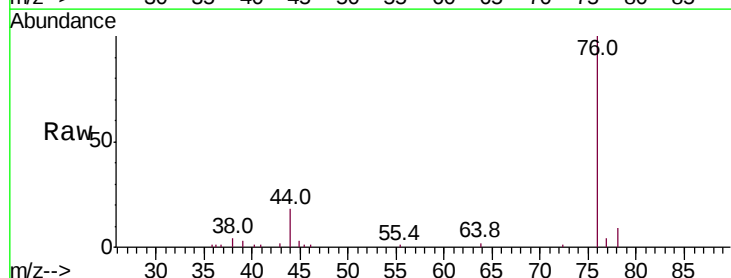
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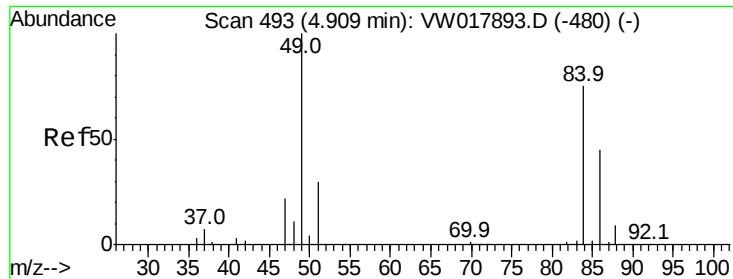
Tgt Ion: 76 Resp: 24170

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4





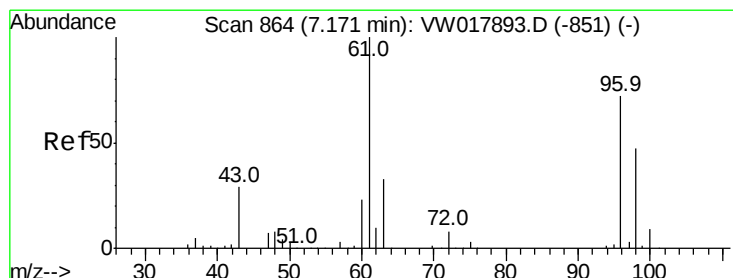
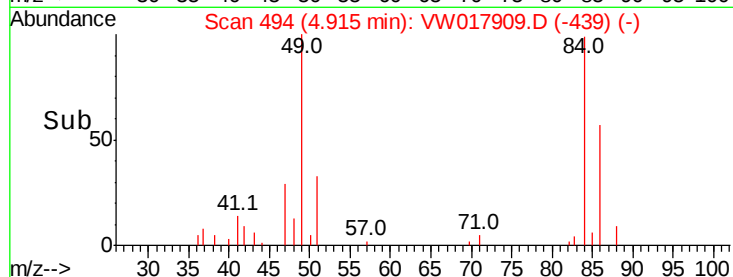
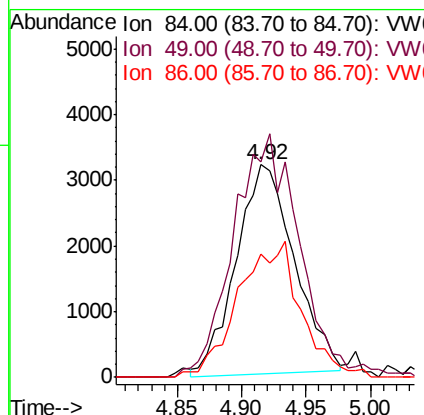
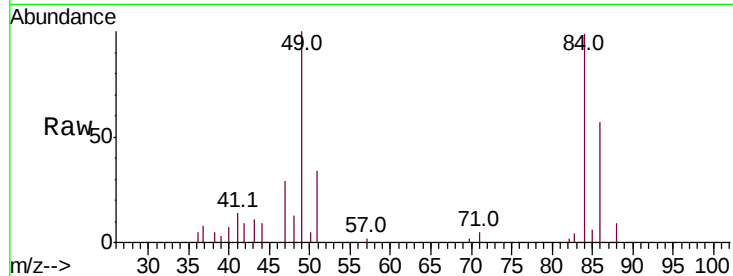
#16
Methylene chloride
Concen: 2.681 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW017909.D
Acq: 15 Jan 2021 19:43

Instrument :
MSVOA_W
ClientSampled :
F1C16

Tot Ion	84	Resp	9987
Ion Ratio	100	Lower	Upper
84	100		
49	101.1	81.2	150.8
86	57.9	44.5	82.7

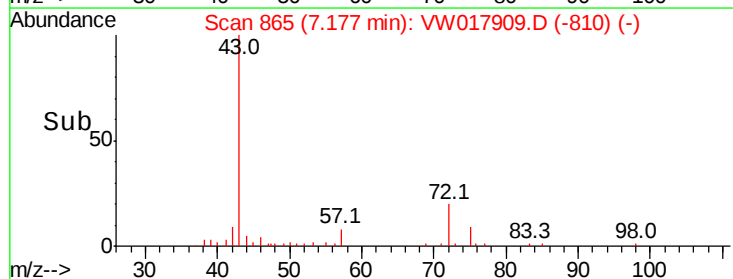
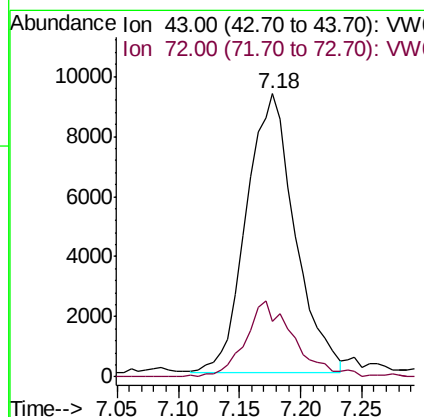
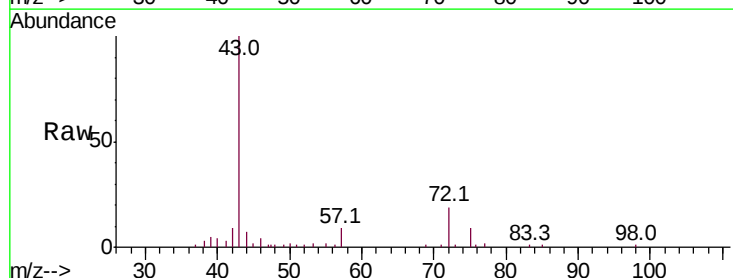
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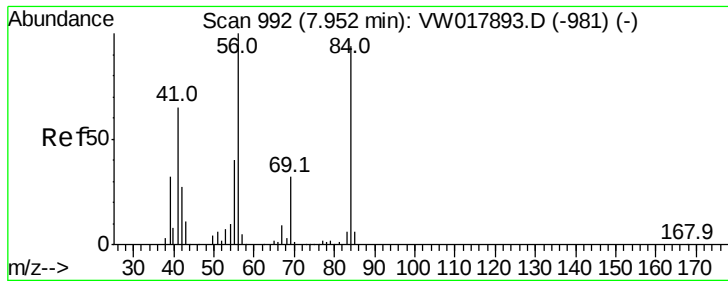
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#21
2-Butanone
Concen: 33.952 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW017909.D
Acq: 15 Jan 2021 19:43

Tgt Ion	43	Resp	25765
Ion Ratio	100	Lower	Upper
43	100		
72	25.9	14.4	43.2





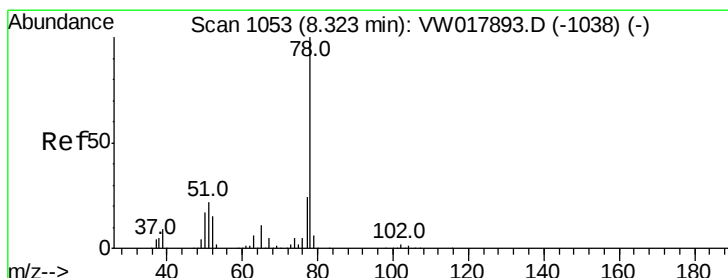
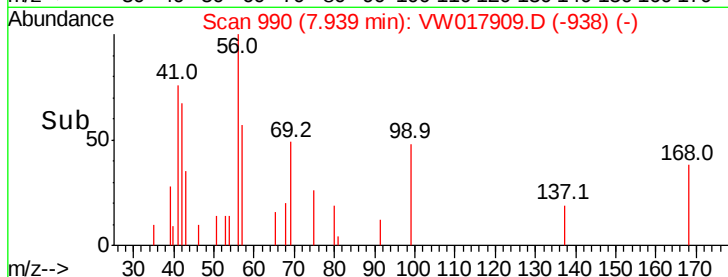
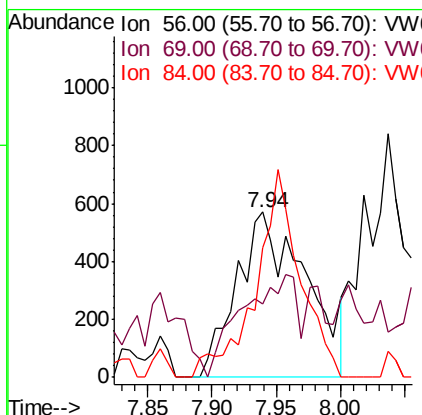
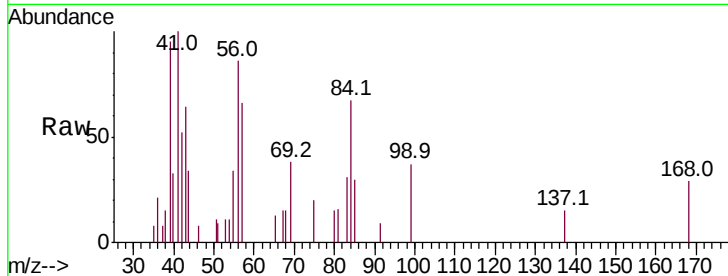
#30
Cyclohexane
Concen: 0.509 ug/L m
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW017909.D
Acq: 15 Jan 2021 19:43

Instrument :
MSVOA_W
ClientSampled :
F1C16

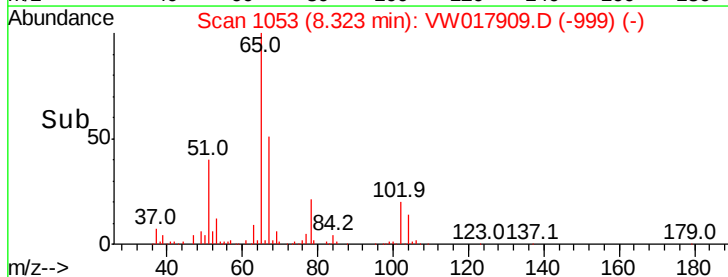
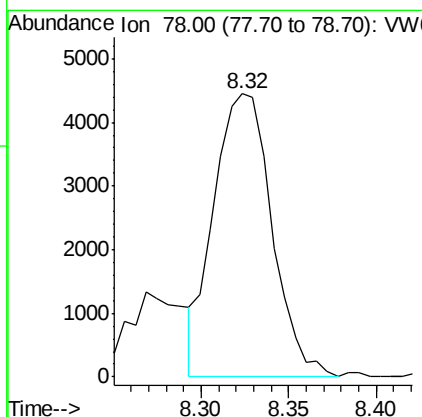
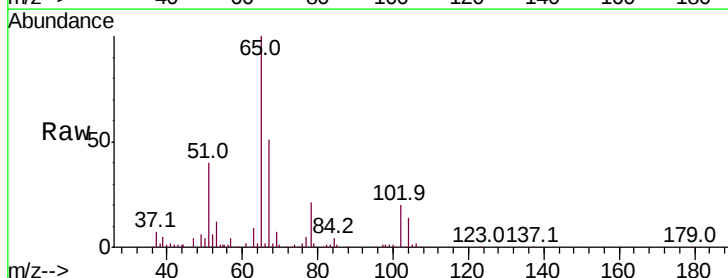
Tot Ion: 56 Resp: 2130
Ion Ratio Lower Upper
56 100
69 25.0 24.8 37.2
84 0.0 74.2 111.4#

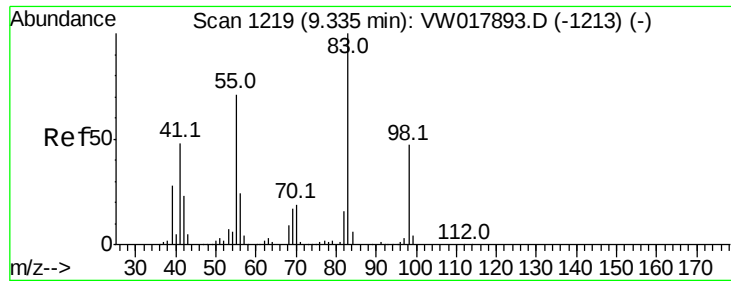
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#34
Benzene
Concen: 1.024 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW017909.D
Acq: 15 Jan 2021 19:43
Tgt Ion: 78 Resp: 10290





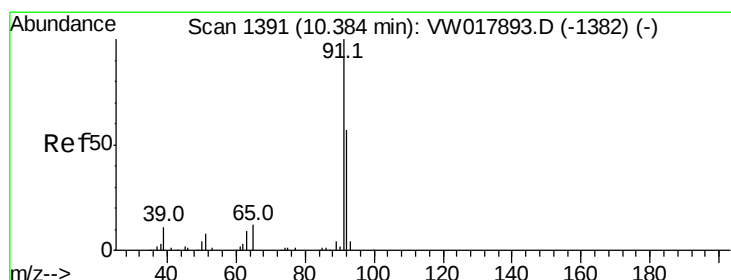
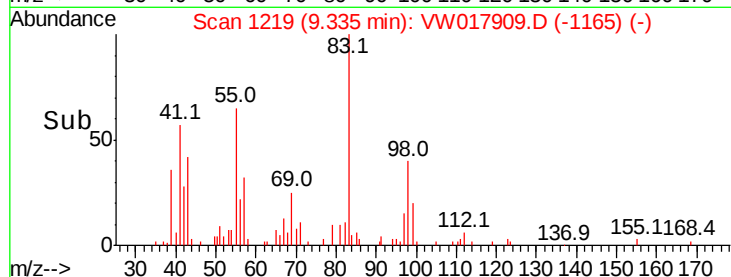
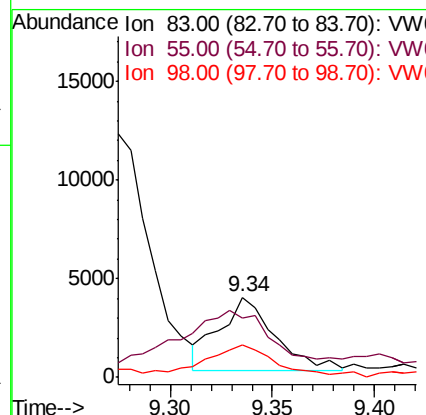
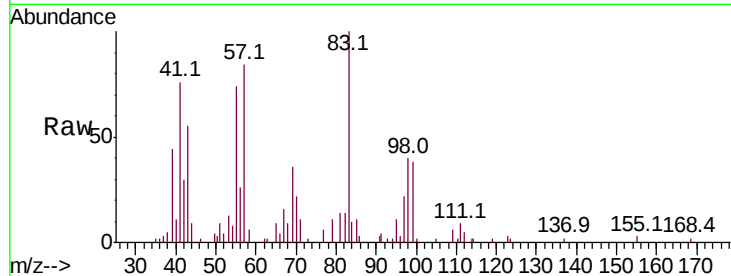
#36
Methylcyclohexane
Concen: 1.417 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW017909.D
Acq: 15 Jan 2021 19:43

Instrument :
MSVOA_W
ClientSampleId :
F1C16

Tot Ion	Ratio	Lower	Upper
83	100		
55	110.7	59.4	89.0#
98	48.0	40.7	61.1

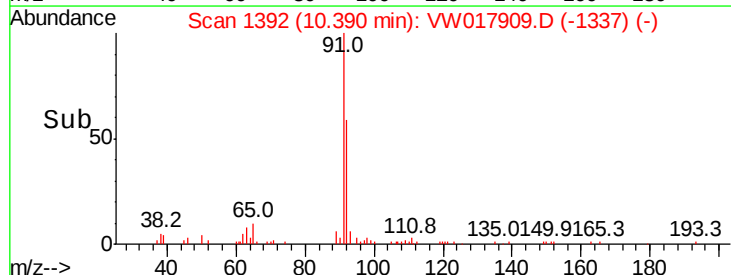
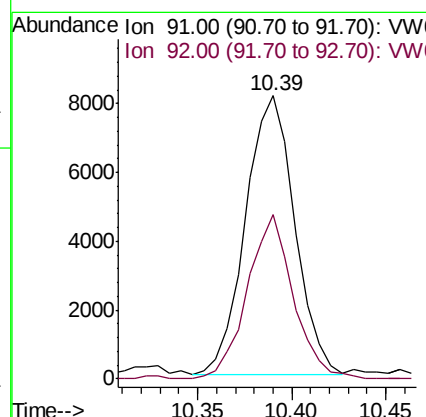
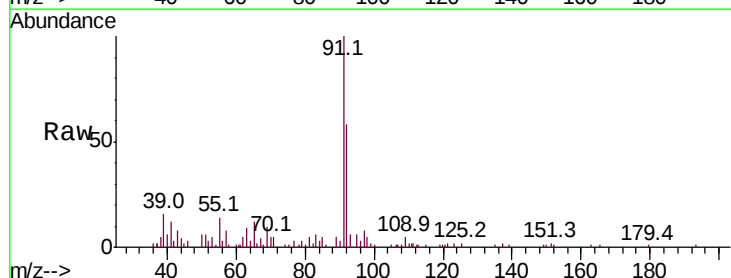
Manual Integrations
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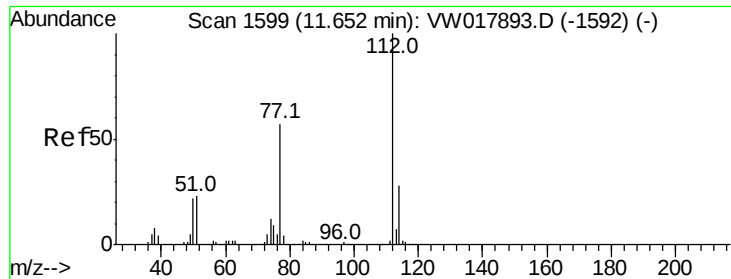
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#44
Toluene
Concen: 1.273 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW017909.D
Acq: 15 Jan 2021 19:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.1	41.6	77.3





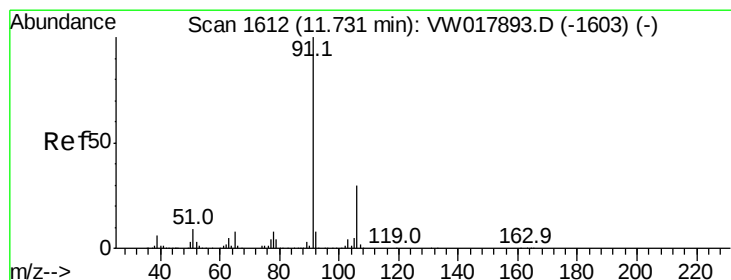
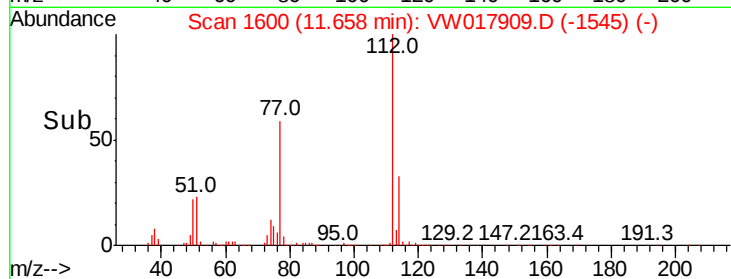
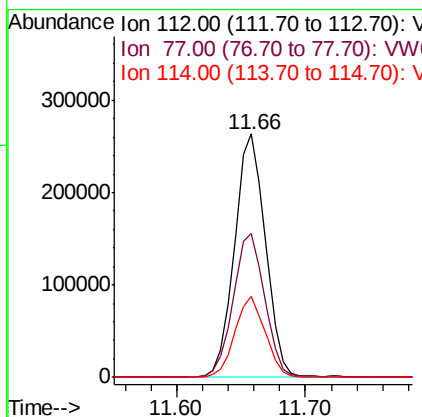
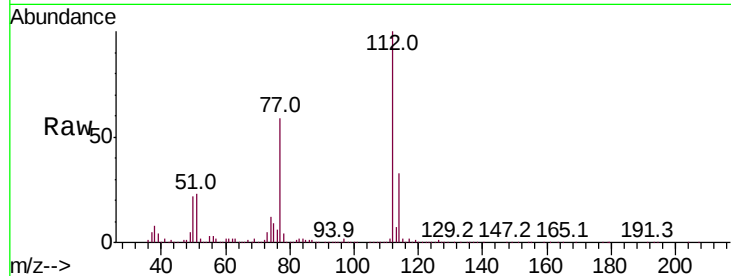
#52
Chlorobenzene
Concen: 61.090 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW017909.D
Acq: 15 Jan 2021 19:43

Instrument :
MSVOA_W
ClientSampleId :
F1C16

Tot Ion	Ratio	Resp	Lower	Upper
112	100	436986		
77	58.9		42.6	64.0
114	33.3		21.6	40.2

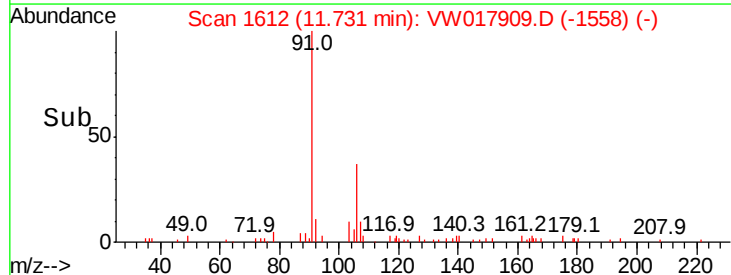
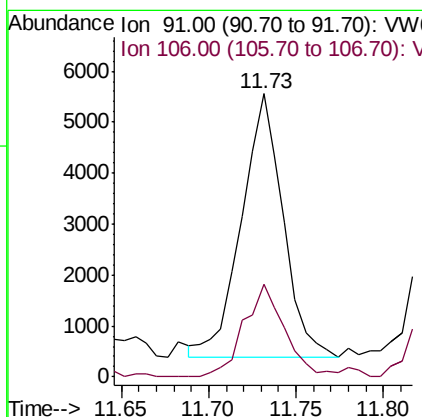
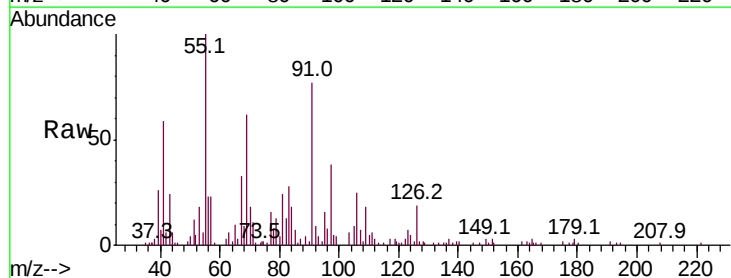
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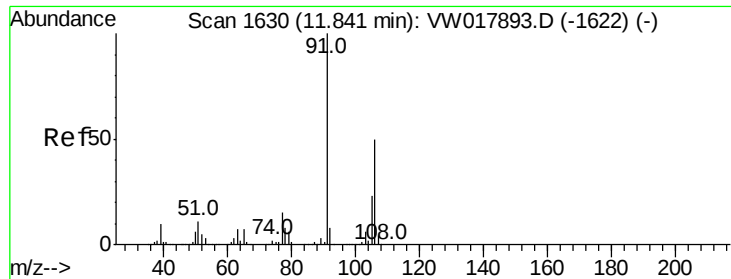
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#53
Ethylbenzene
Concen: 0.655 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017909.D
Acq: 15 Jan 2021 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	8517		
106	32.6		21.1	39.1





#54

m,p-Xylene

Concen: 1.408 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017909.D

Acq: 15 Jan 2021 19:43

Instrument :

MSVOA_W

ClientSampled :

F1C16

Tot Ion:106 Resp: 7159

Ion Ratio Lower Upper

106 100

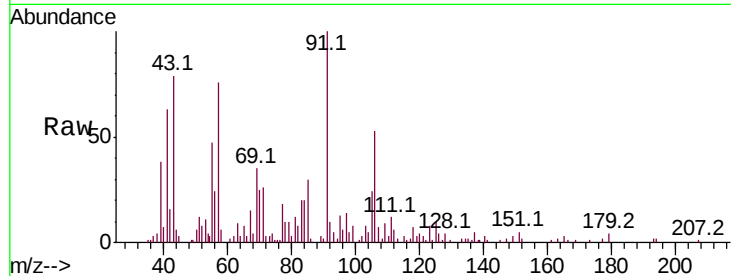
91 188.0 136.4 253.4

Manual Integrations

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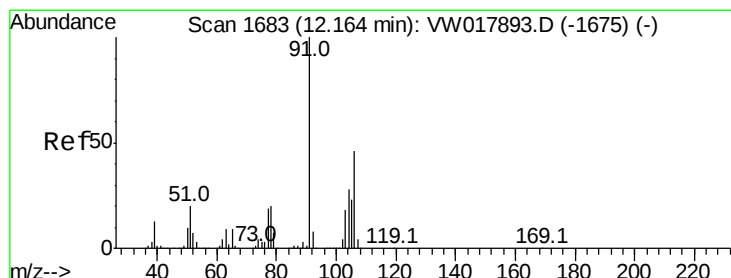
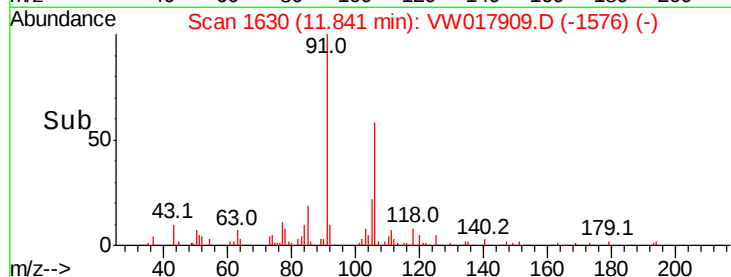
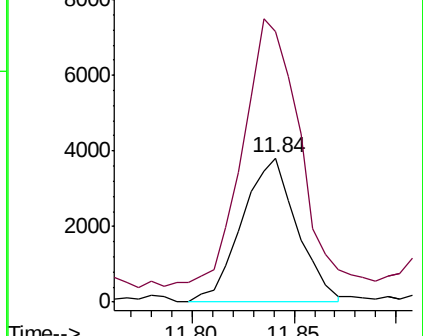
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.613 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW017909.D

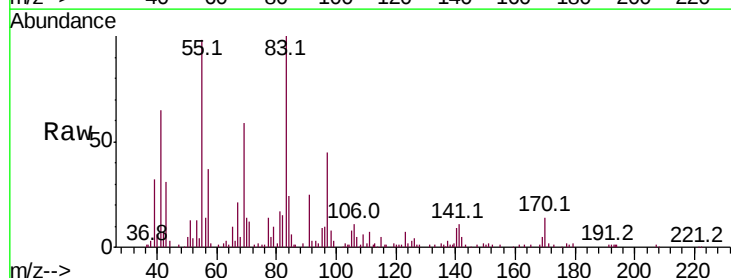
Acq: 15 Jan 2021 19:43

Tgt Ion:106 Resp: 2934

Ion Ratio Lower Upper

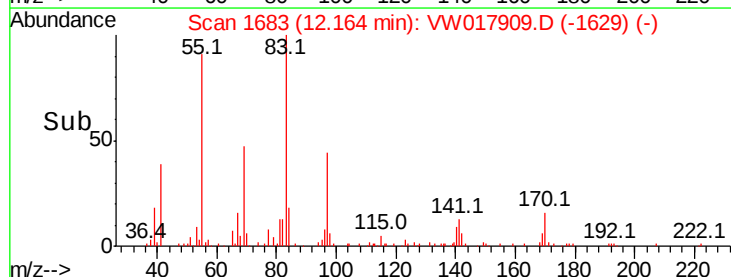
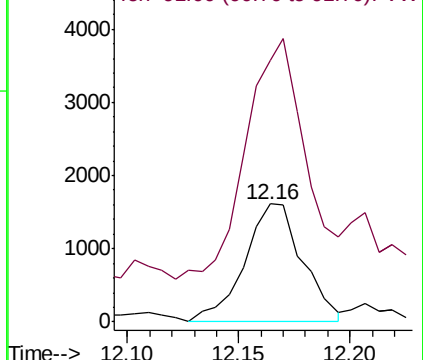
106 100

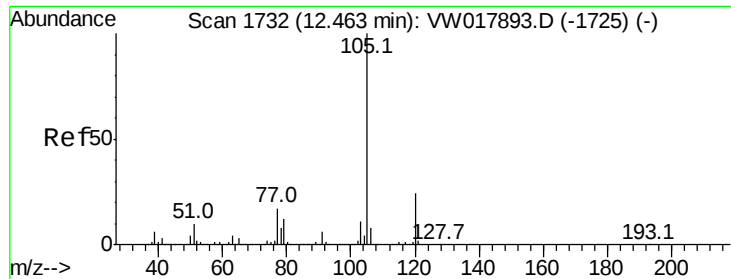
91 221.7 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 8.760 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017909.D

Acq: 15 Jan 2021 19:43

Instrument :

MSVOA_W

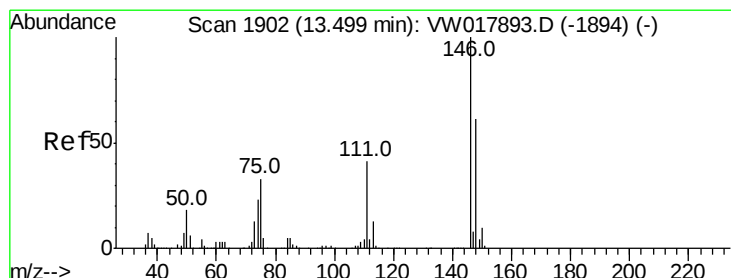
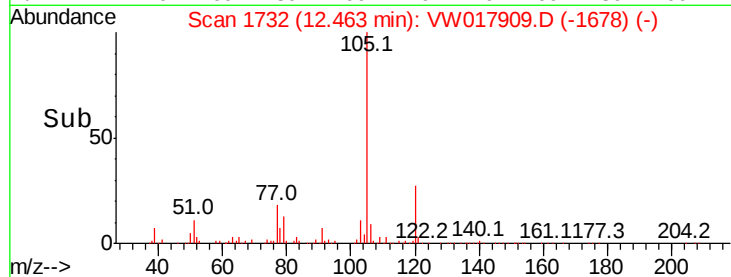
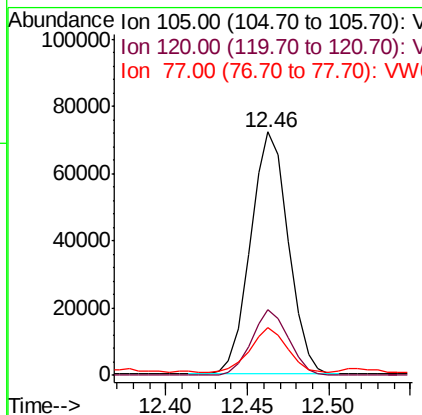
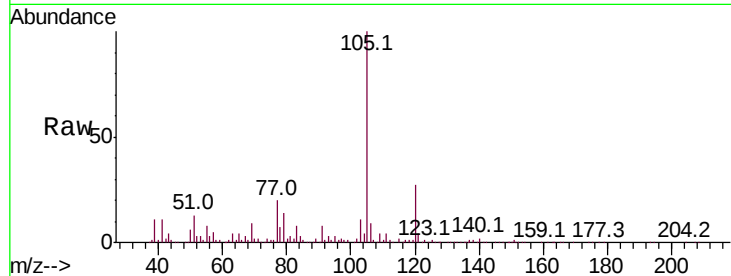
ClientSampleId :

F1C16

Tot Ion	Ratio	Resp	Lower	Upper
105	100	115996		
120	26.7		21.4	32.2
77	17.8		12.1	18.1

Manual Integrations
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#63

1,3-Dichlorobenzene

Concen: 21.510 ug/L

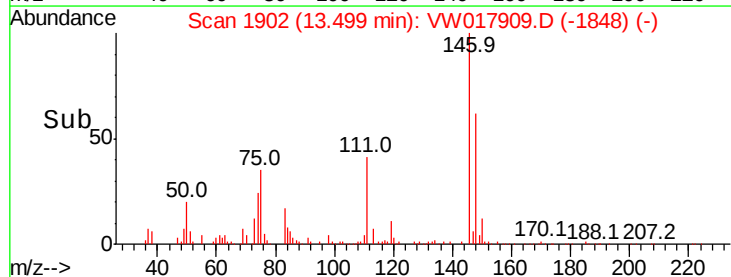
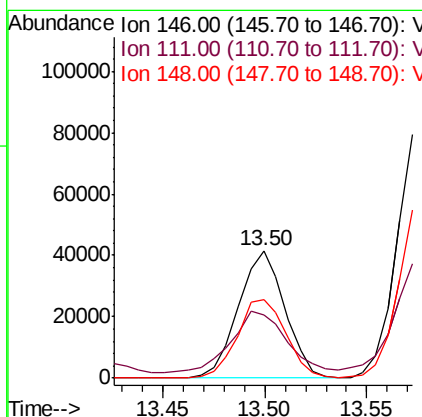
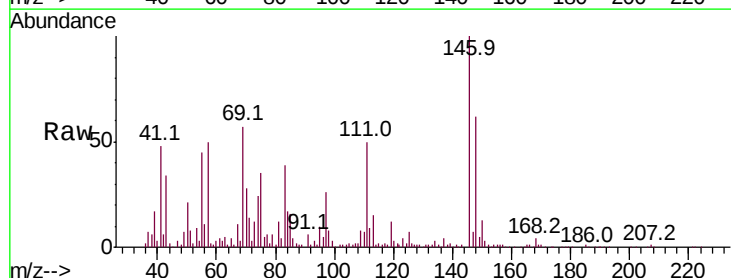
RT: 13.50 min Scan# 1902

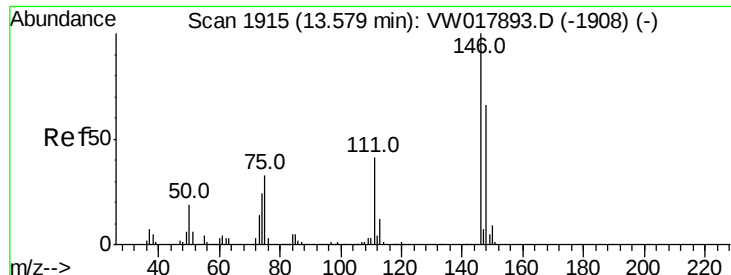
Delta R.T. -0.00 min

Lab File: VW017909.D

Acq: 15 Jan 2021 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	65596		
111	49.8		28.5	52.9
148	62.2		47.8	88.8





#64
 1,4-Dichlorobenzene
 Concen: 46.153 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017909.D
 Acq: 15 Jan 2021 19:43

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C16

Tot Ion:	146	Resp:	141439
Ion Ratio	Lower	Upper	
146	100		
111	45.1	27.7	51.5
148	64.1	47.0	87.2

Manual Integrations
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apatel
 1/18/2021 8:51:00 AM

