

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092420\
 Data File : VW016633.D
 Acq On : 23 Sep 2020 16:49
 Operator : SY/VA
 Sample : L4109-13RE
 Misc : 6.09G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3X3RE

Manual Integrations
 APPROVED

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 9/28/2020 3:14:30 PM

Quant Time: Sep 24 06:02:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 24 04:34:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	54071	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	37605	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	9576	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	11394	21.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.08%
7) Chloroethane-d5	2.89	69	10442	24.44	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.76%
10) 1,1-Dichloroethene-d2	4.03	63	17837	15.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.96%
20) 2-Butanone-d5	7.09	46	6979m	48.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.82%
24) Chloroform-d	7.65	84	25833	22.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.36%
26) 1,2-Dichloroethane-d4	8.31	65	15124	26.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.20%
29) Benzene-d6	8.28	84	50043	29.67	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.68%
33) 1,2-Dichloropropane-d6	9.28	67	14600	31.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	127.80%#
37) Toluene-d8	10.33	98	40209	24.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.92%
38) trans-1,3-Dichloropropene-	10.58	79	5793	25.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.56%
39) 2-Hexanone-d5	10.93	63	4219	50.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	10744	27.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	7806	25.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.13	43	5978	53.482	ug/L	68
16) Methylene chloride	4.94	84	3169m	3.800	ug/L	
30) Cyclohexane	7.95	56	3845m	4.679	ug/L	
36) Methylcyclohexane	9.34	83	1061	1.073	ug/L #	47
44) Toluene	10.39	91	19704	8.694	ug/L	99
46) 1,1,2-Trichloroethane	10.76	97	2953	7.477	ug/L #	30
53) Ethylbenzene	11.73	91	19887	7.729	ug/L	94
54) m,p-Xylene	11.84	106	41004	40.696	ug/L	89
55) o-xylene	12.16	106	24396	25.273	ug/L	98
57) Isopropylbenzene	12.46	105	11545	4.377	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	947	1.520	ug/L #	1
64) 1,4-Dichlorobenzene	13.58	146	4886	8.010	ug/L #	62
65) 1,2-Dichlorobenzene	13.87	146	5827	10.470	ug/L #	74

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

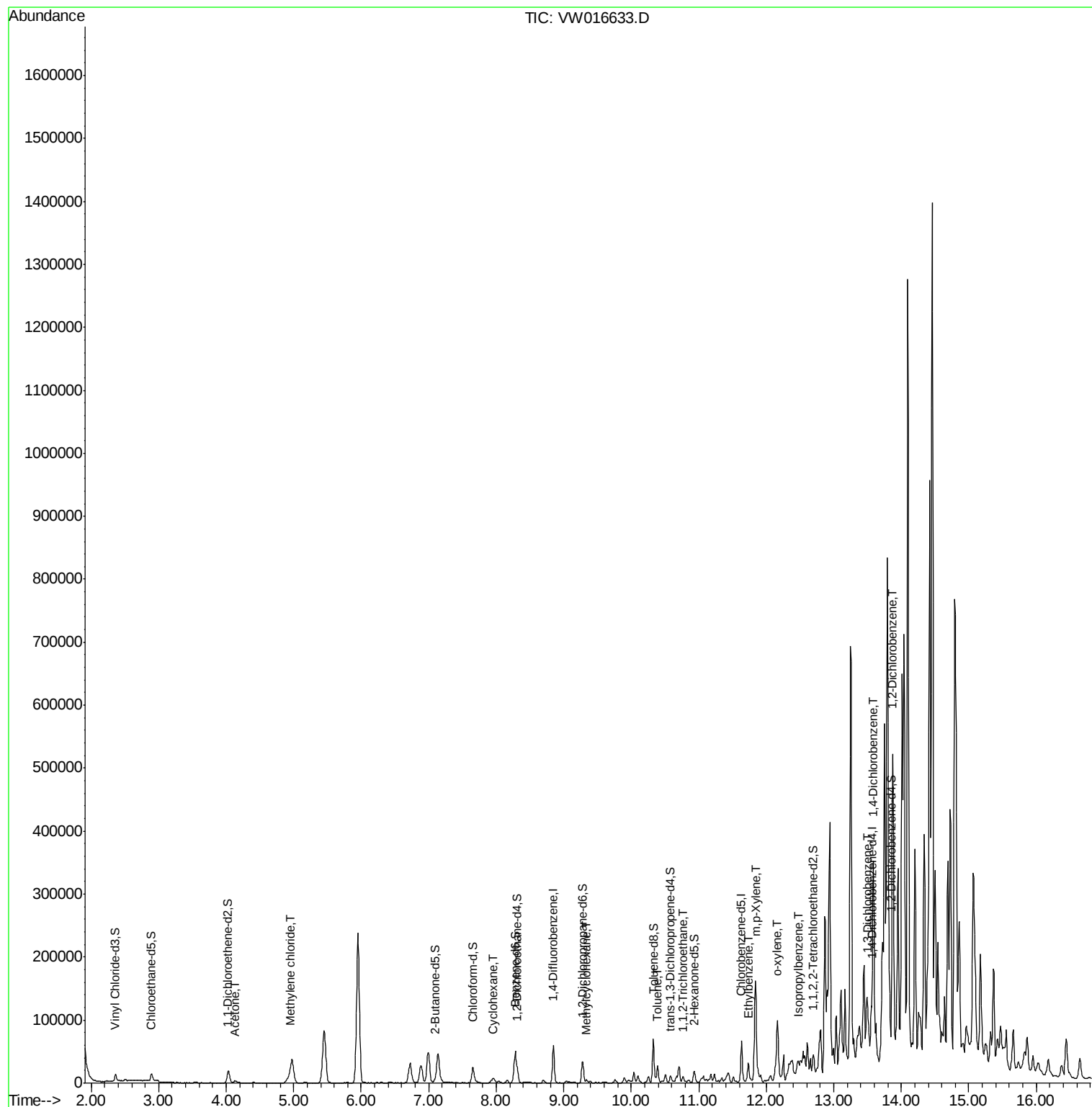
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092420\
Data File : VW016633.D
Acq On : 23 Sep 2020 16:49
Operator : SY/VA
Sample : L4109-13RE
Misc : 6.09G/10ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

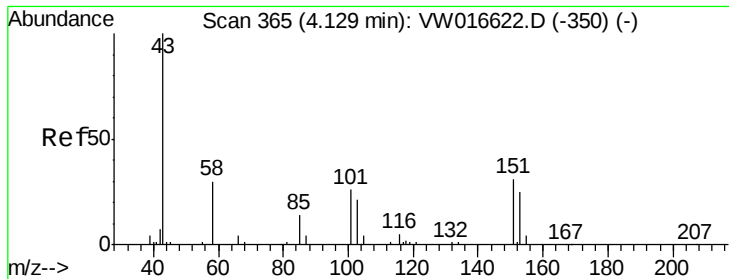
Instrument :
MSVOA_W
ClientSampleId :
BG3X3RE

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Quant Time: Sep 24 06:02:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 24 04:34:20 2020
Response via : Initial Calibration





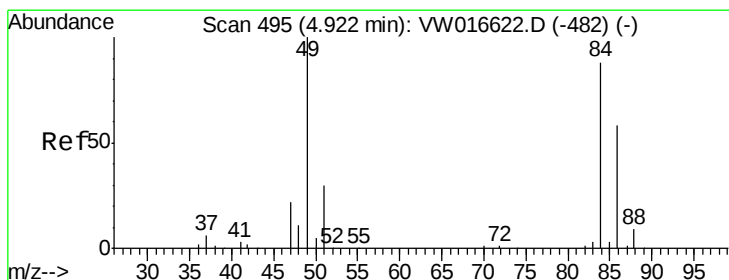
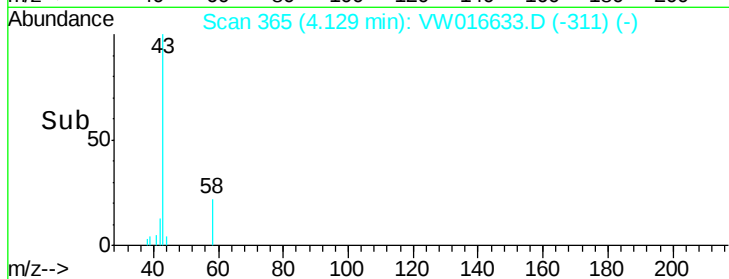
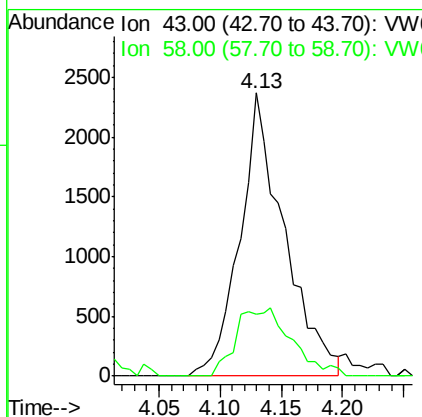
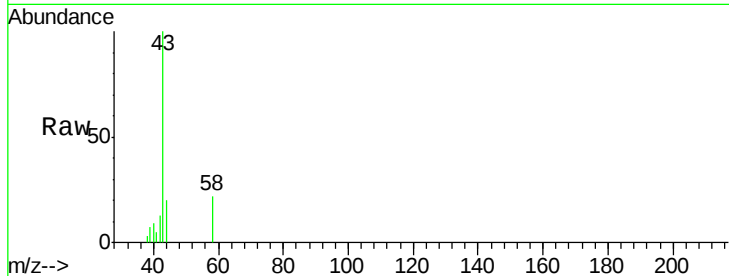
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Acetone
Concen: 53.482 ug/L
RT: 4.13 min Scan# 365
Delta R.T. 0.00 min
Lab File: VW016633.D
Acq: 23 Sep 2020 16:49

Instrument :
MSVOA_W
ClientSampled :
BG3X3RE

Tot Ion: 43 Resp: 5978
Ion Ratio Lower Upper
43 100
58 12.6 0.0 60.2

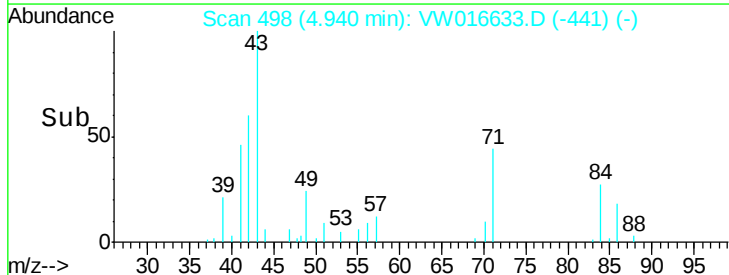
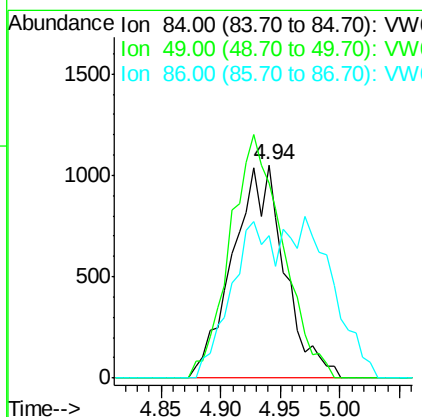
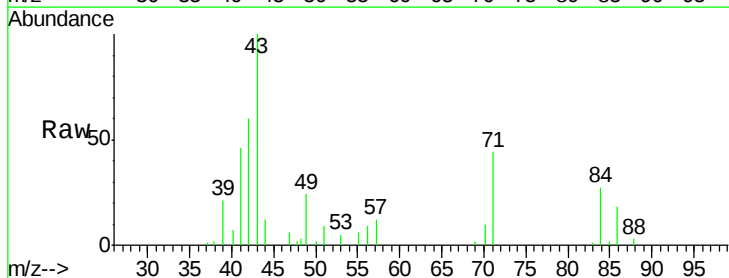
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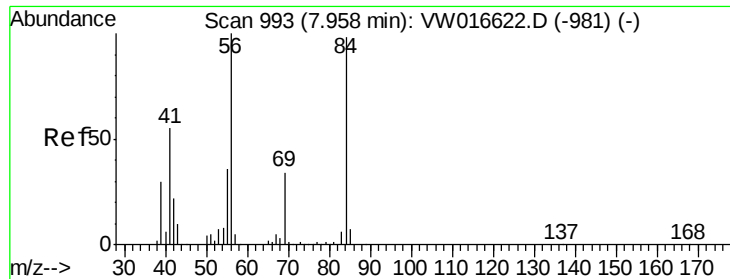
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#16
Methylene chloride
Concen: 3.800 ug/L m
RT: 4.94 min Scan# 498
Delta R.T. 0.02 min
Lab File: VW016633.D
Acq: 23 Sep 2020 16:49

Tgt Ion: 84 Resp: 3169
Ion Ratio Lower Upper
84 100
49 91.3 76.0 141.2
86 66.5 45.6 84.6





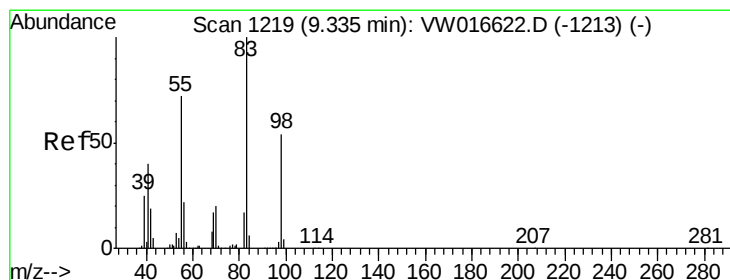
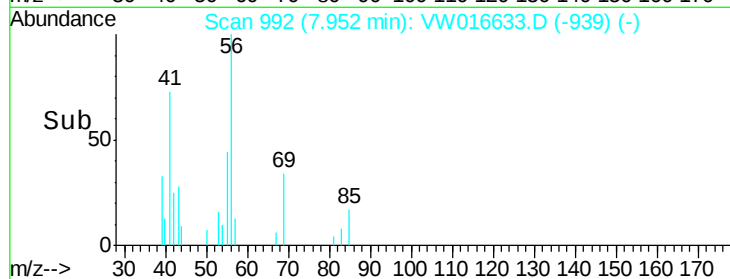
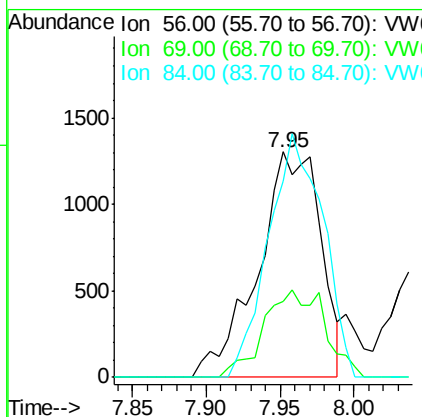
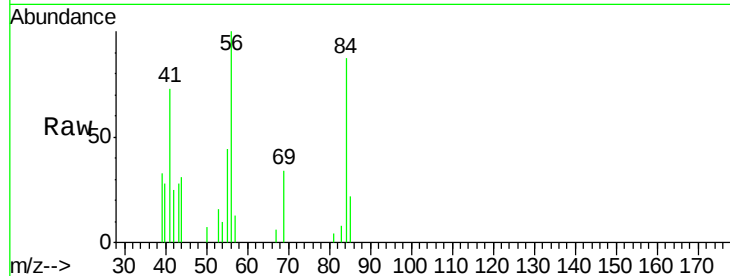
#30
Cyclohexane
Concen: 4.679 ug/L m
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW016633.D
Acq: 23 Sep 2020 16:49

Instrument :
MSVOA_W
ClientSampleId :
BG3X3RE

Tot Ion	Ratio	Lower	Upper
56	100		
69	16.8	26.5	39.7#
84	93.6	79.0	118.6

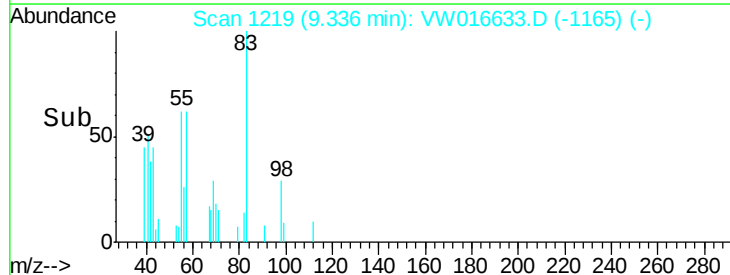
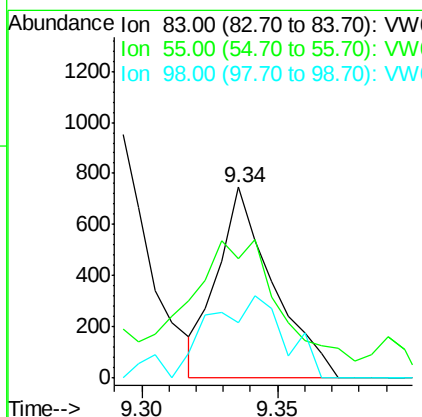
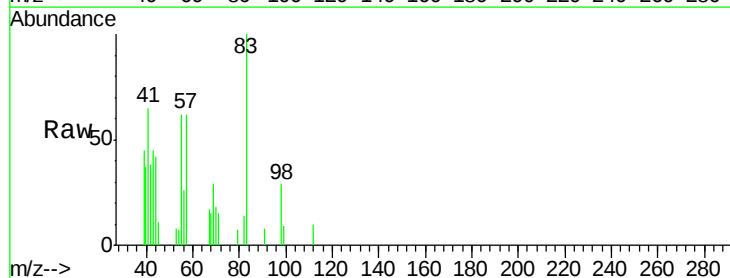
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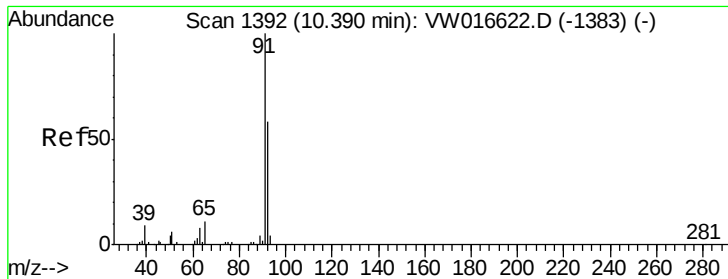
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#36
Methylcyclohexane
Concen: 1.073 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW016633.D
Acq: 23 Sep 2020 16:49

Tgt Ion	Ratio	Lower	Upper
83	100		
55	125.3	55.9	83.9#
98	29.5	42.1	63.1#





#44

Toluene

Concen: 8.694 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016633.D

Acq: 23 Sep 2020 16:49

Instrument :

MSVOA_W

ClientSampleId :

BG3X3RE

Tot Ion: 91 Resp: 19704

Ion Ratio Lower Upper

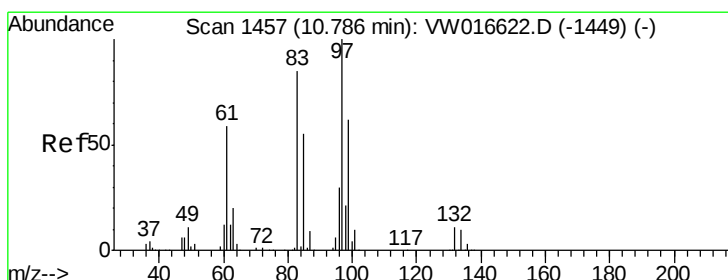
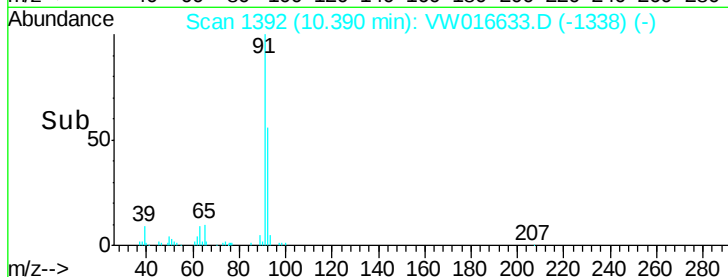
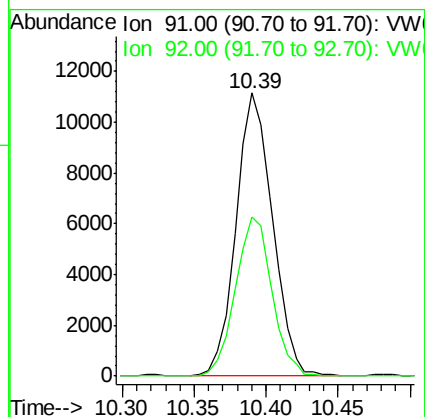
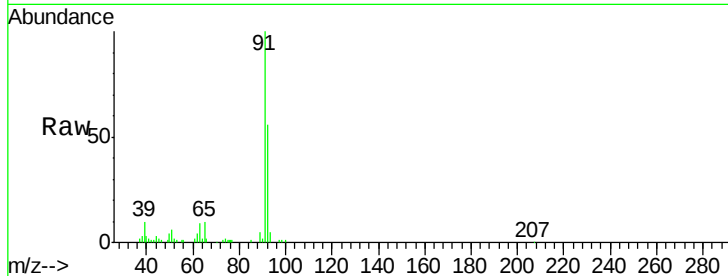
91 100

92 56.1 39.6 73.6

Manual Integrations
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#46

1,1,2-Trichloroethane

Concen: 7.477 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW016633.D

Acq: 23 Sep 2020 16:49

Tgt Ion: 97 Resp: 2953

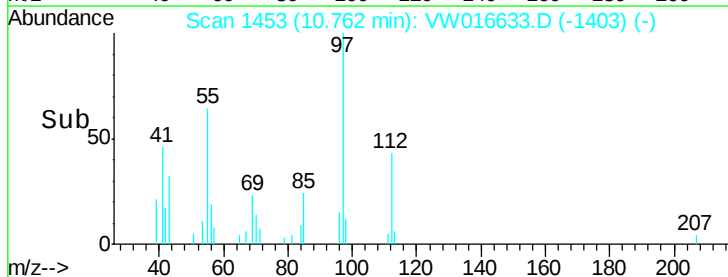
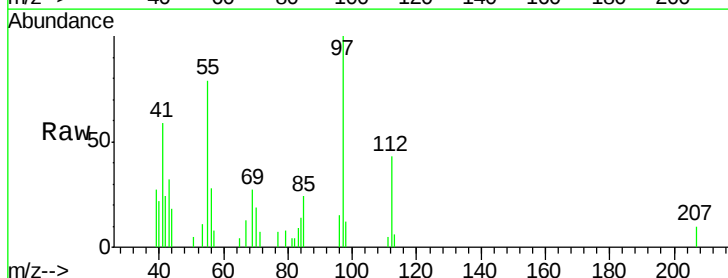
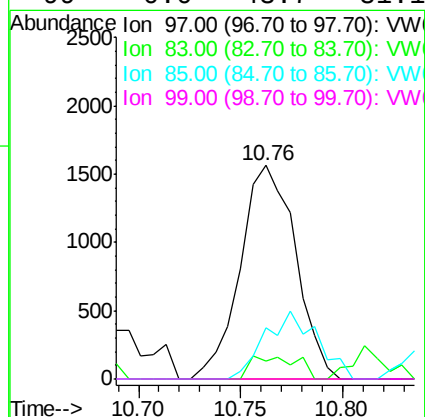
Ion Ratio Lower Upper

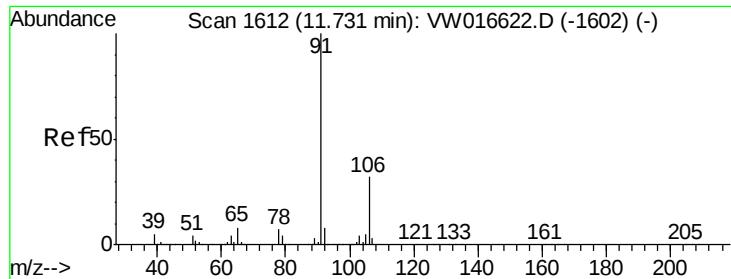
97 100

83 8.7 55.7 103.5#

85 24.2 36.8 68.4#

99 0.0 43.7 81.1#





#53

Ethylbenzene

Concen: 7.729 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016633.D

Acq: 23 Sep 2020 16:49

Instrument :

MSVOA_W

ClientSampleId :

BG3X3RE

Tot Ion: 91 Resp: 19887

Ion Ratio Lower Upper

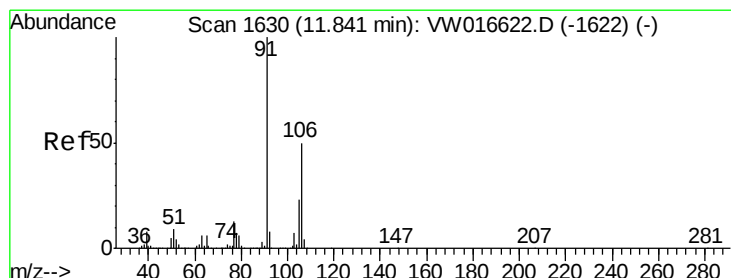
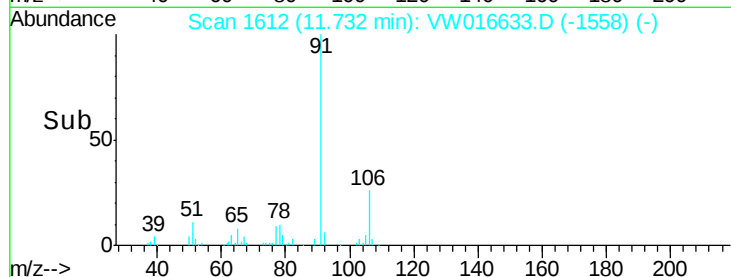
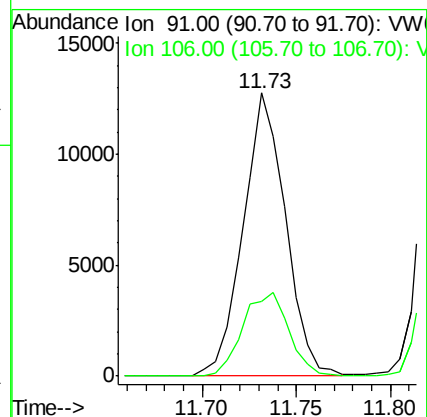
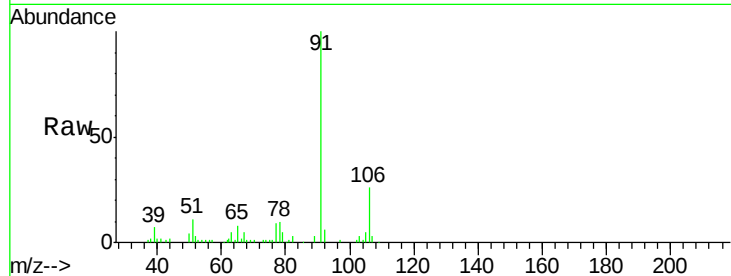
91 100

106 26.2 20.7 38.5

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#54

m,p-Xylene

Concen: 40.696 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016633.D

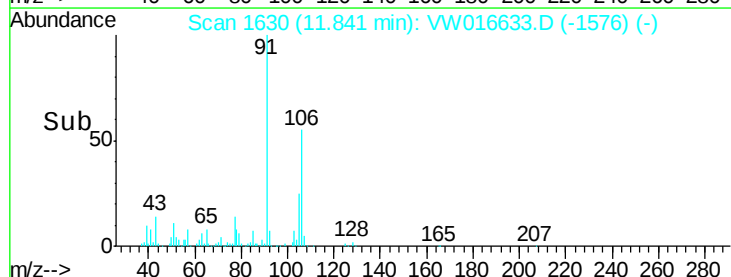
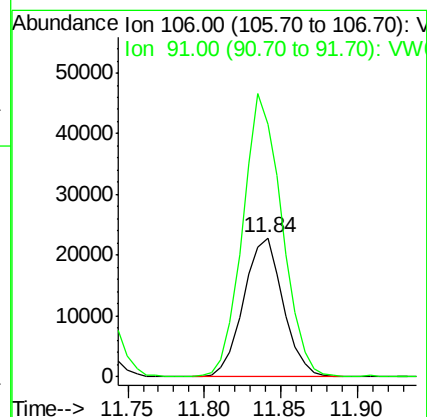
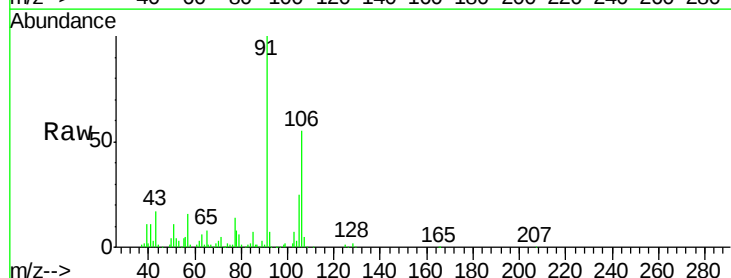
Acq: 23 Sep 2020 16:49

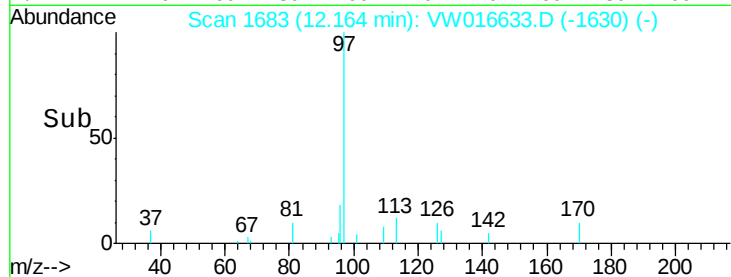
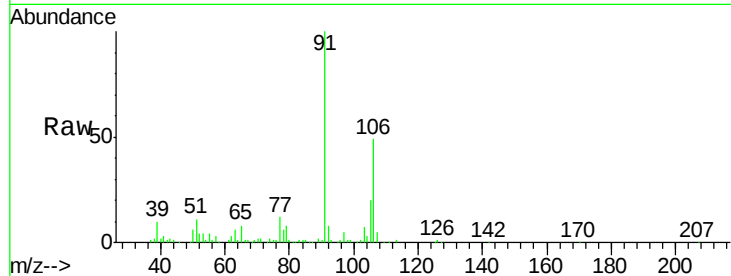
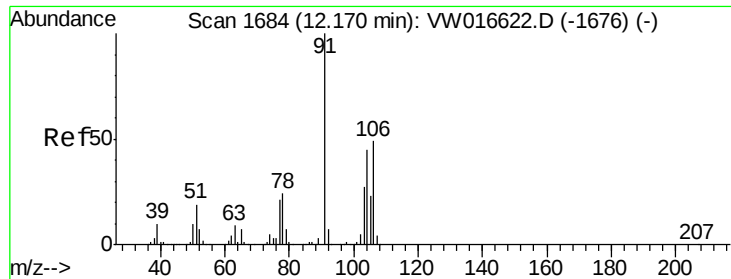
Tgt Ion: 106 Resp: 41004

Ion Ratio Lower Upper

106 100

91 182.4 139.7 259.5





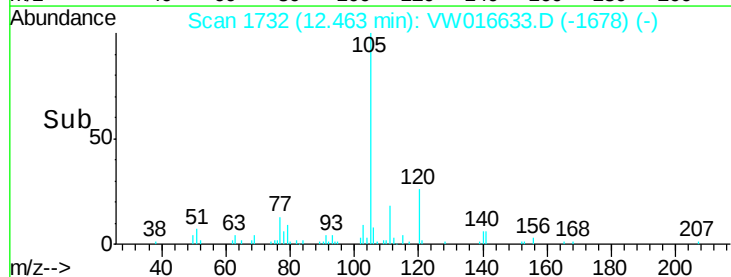
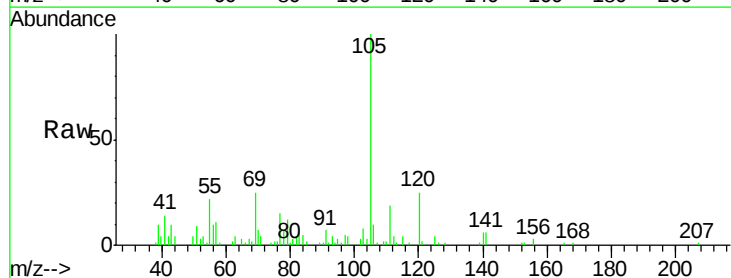
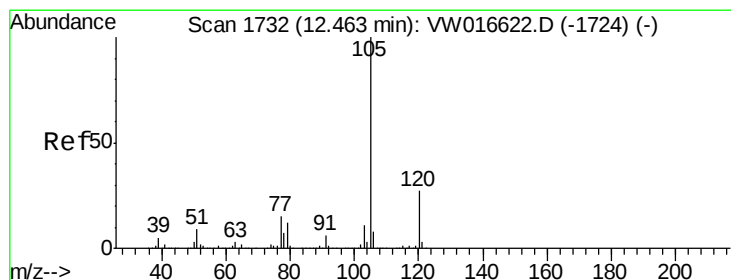
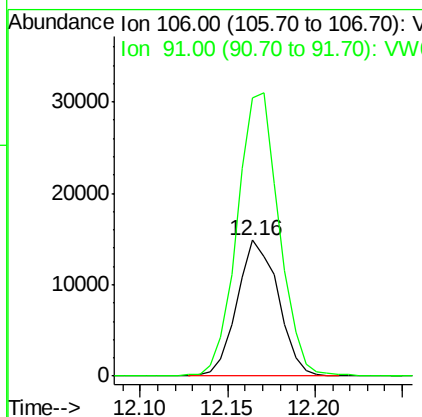
#55
o-xylene
Concen: 25.273 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016633.D
Acq: 23 Sep 2020 16:49

Tot Ion:106 Resp: 24396
Ion Ratio Lower Upper
106 100
91 203.9 144.8 268.8

Instrument :
MSVOA_W
ClientSampleId :
BG3X3RE

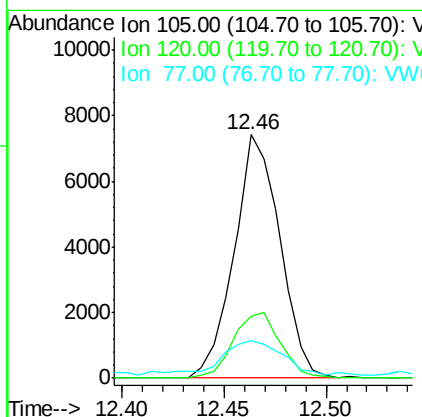
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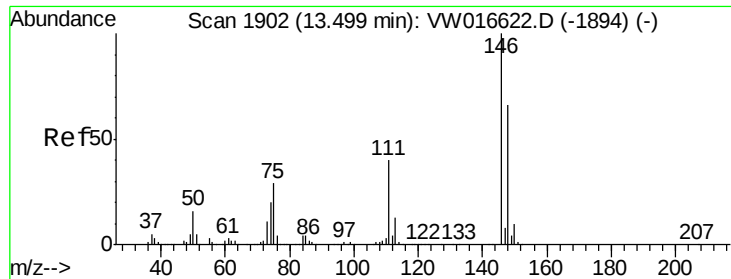
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#57
Isopropylbenzene
Concen: 4.377 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW016633.D
Acq: 23 Sep 2020 16:49

Tgt Ion:105 Resp: 11545
Ion Ratio Lower Upper
105 100
120 27.7 21.8 32.8
77 18.3 12.2 18.2#





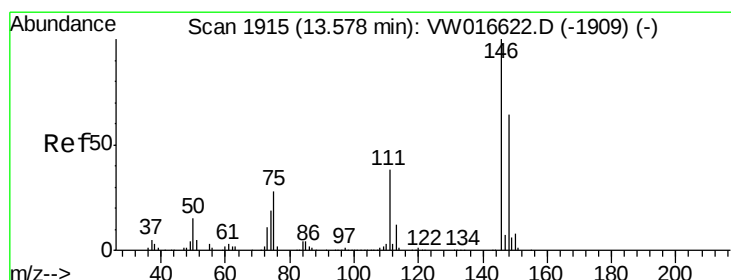
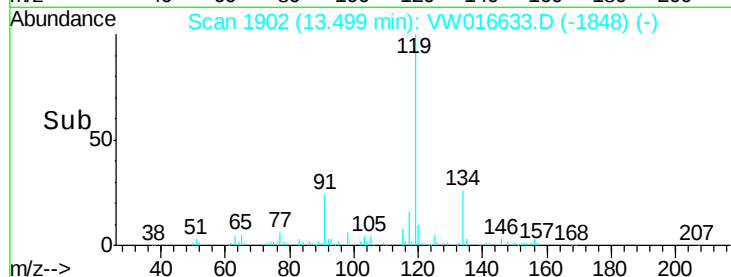
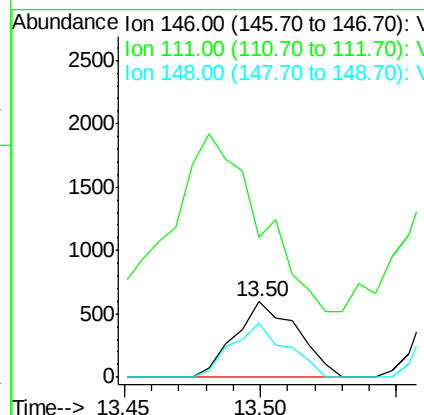
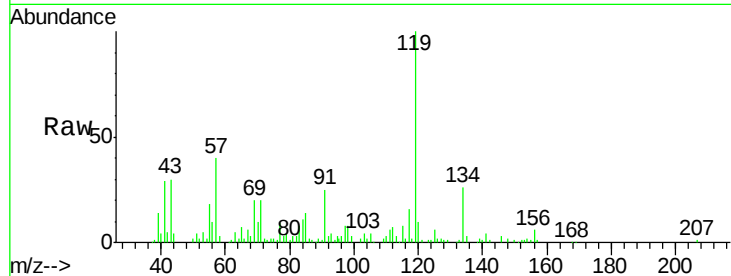
#63
 1,3-Dichlorobenzene
 Concen: 1.520 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016633.D
 Acq: 23 Sep 2020 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3X3RE

Tot Ion	Ratio	Lower	Upper
146	100		
111	185.6	25.0	46.4#
148	70.9	44.0	81.8

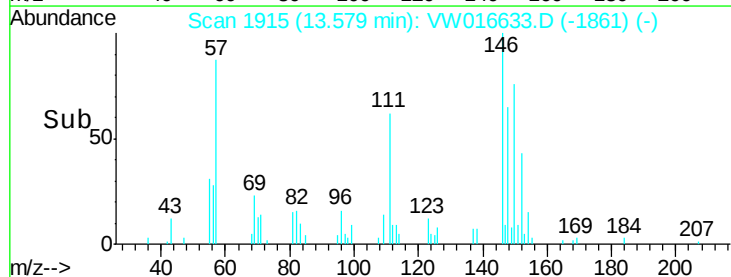
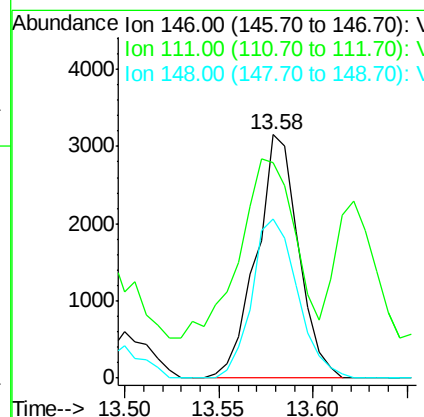
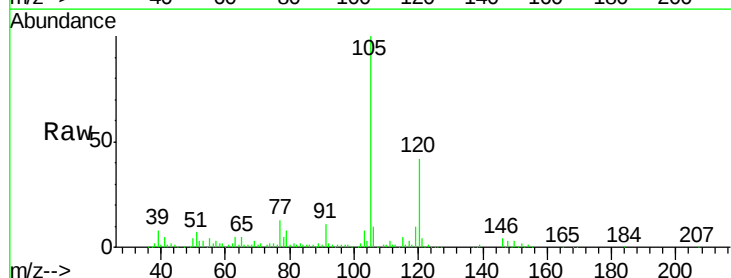
Manual Integrations
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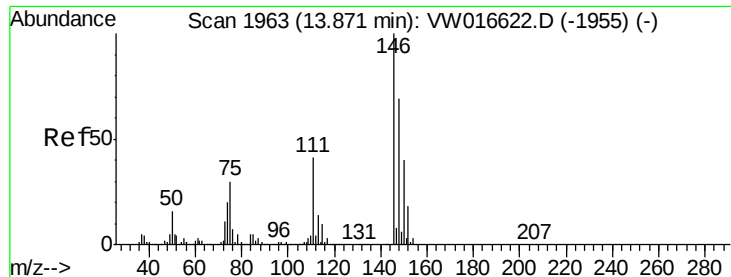
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#64
 1,4-Dichlorobenzene
 Concen: 8.010 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016633.D
 Acq: 23 Sep 2020 16:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	88.6	25.1	46.5#
148	65.3	42.3	78.5





#65
 1,2-Dichlorobenzene
 Concen: 10.470 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016633.D
 Acq: 23 Sep 2020 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3X3RE

Tot Ion	Ratio	Lower	Upper
146	100		
111	74.8	31.4	47.0#
148	65.9	49.3	73.9

Manual Integrations
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