

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003694.D
 Acq On : 09 Dec 2020 12:46
 Operator : SY/MD
 Sample : L4979-06RE
 Misc : 6.53G/10ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F8

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:25:18 PM

Quant Time: Dec 10 21:35:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 02:27:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	174562	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	109001	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	20970	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	54842	22.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.88%
7) Chloroethane-d5	2.77	69	45451	24.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.64%
10) 1,1-Dichloroethene-d2	3.86	63	85763	18.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.84%
20) 2-Butanone-d5	6.90	46	42156	47.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.80%
24) Chloroform-d	7.49	84	105207	23.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.68%
26) 1,2-Dichloroethane-d4	8.15	65	56485	22.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.40%
29) Benzene-d6	8.12	84	225360	35.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	142.84%#
33) 1,2-Dichloropropane-d6	9.12	67	63743	34.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	136.52%#
37) Toluene-d8	10.19	98	168951	29.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	119.48%
38) trans-1,3-Dichloropropene-	10.44	79	24299	27.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.92%
39) 2-Hexanone-d5	10.79	63	26834	57.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.72%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	31329	18.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.32%
61) 1,2-Dichlorobenzene-d4	13.73	152	16932	22.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	3.96	43	18195	28.204	ug/L	94
14) Carbon disulfide	4.20	76	3395	0.488	ug/L #	93
16) Methylene chloride	4.72	84	5861	1.912	ug/L	92
21) 2-Butanone	7.00	43	3310	2.906	ug/L	86
30) Cyclohexane	7.79	56	1320m	0.562	ug/L	
36) Methylcyclohexane	9.19	83	1562	0.595	ug/L #	75
44) Toluene	10.25	91	17241	2.621	ug/L	95
53) Ethylbenzene	11.59	91	13819	1.925	ug/L	94
54) m,p-Xylene	11.71	106	1528	0.552	ug/L	70
55) o-xylene	12.03	106	740	0.279	ug/L	82

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

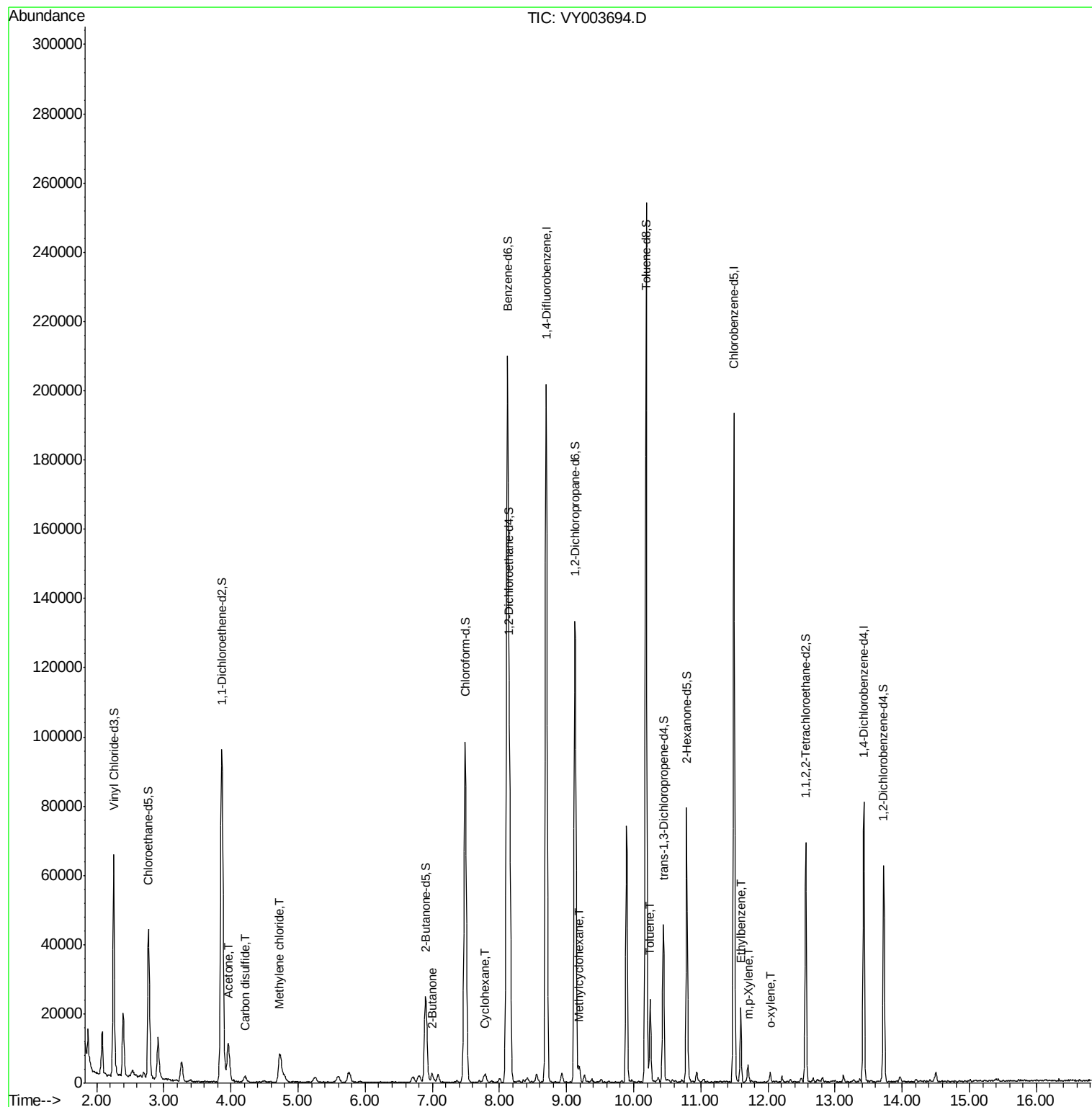
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
Data File : VY003694.D
Acq On : 09 Dec 2020 12:46
Operator : SY/MD
Sample : L4979-06RE
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ALS Vial : 6 Sample Multiplier: 1

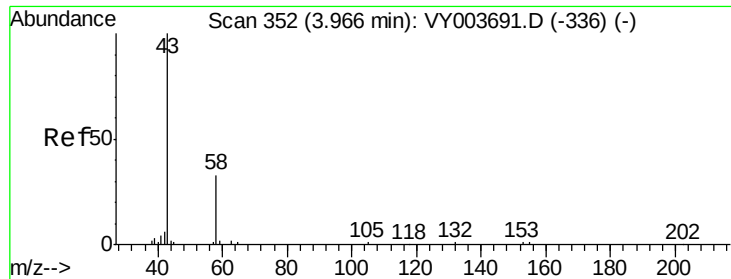
Instrument :
MSVOA_Y
ClientSampleId :
GB1F8

Manual Integrations
APPROVED

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Quant Time: Dec 10 21:35:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis
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Response via : Initial Calibration





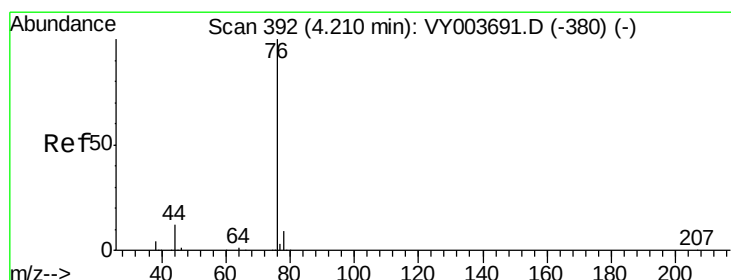
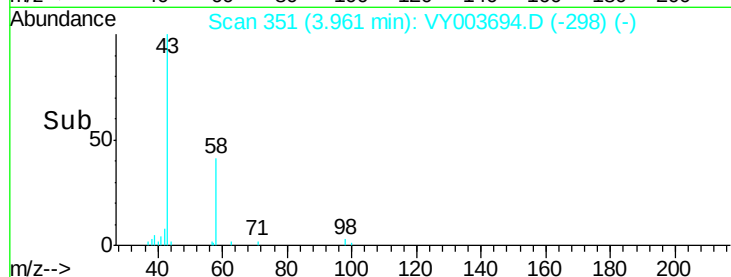
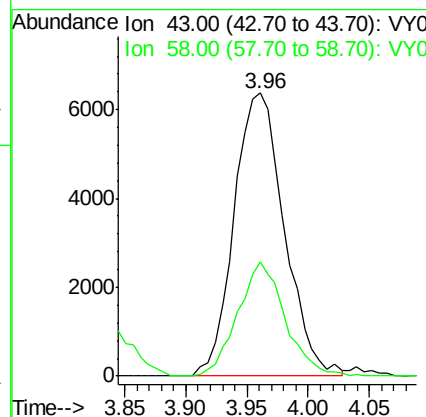
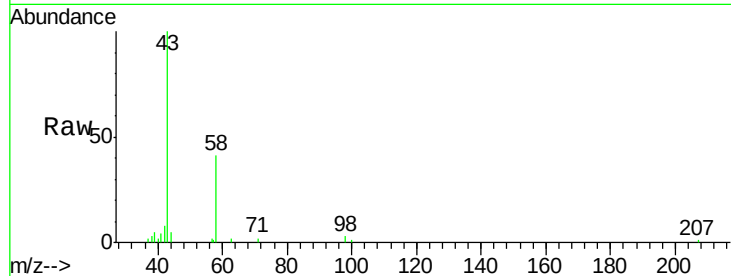
#13
Acetone
Concen: 28.204 ug/L
RT: 3.96 min Scan# 351
Delta R.T. -0.01 min
Lab File: VY003694.D
Acq: 09 Dec 2020 12:46

Instrument :
MSVOA_Y
ClientSampled :
GB1F8

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.0	0.0	68.8

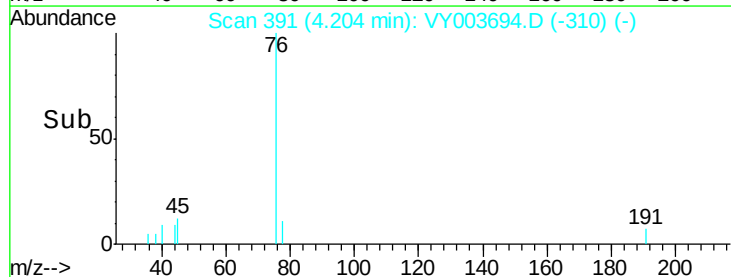
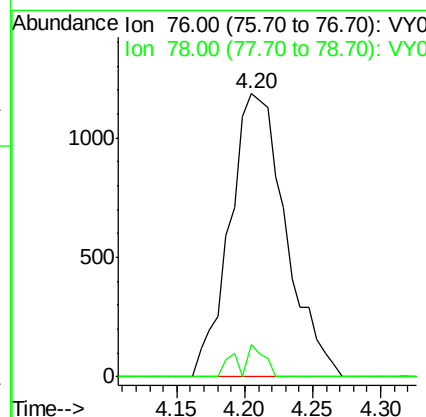
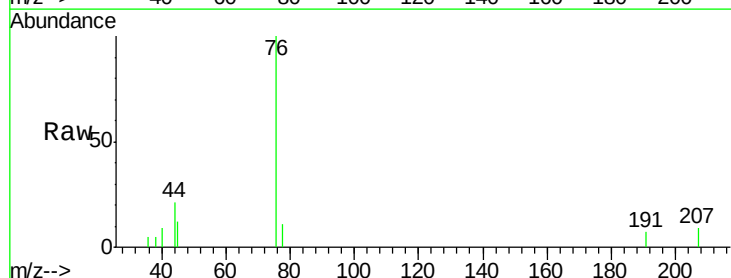
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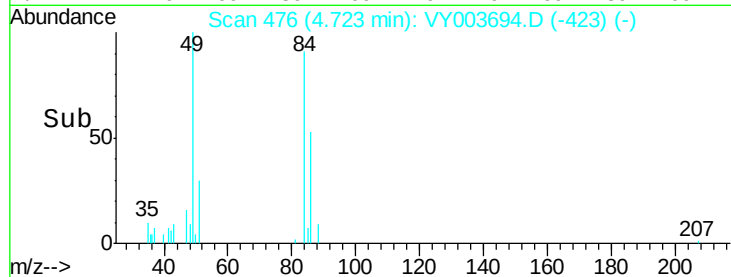
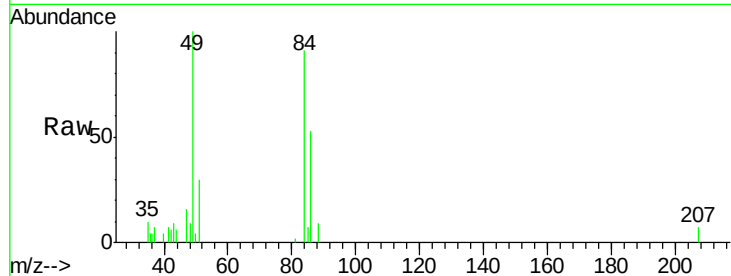
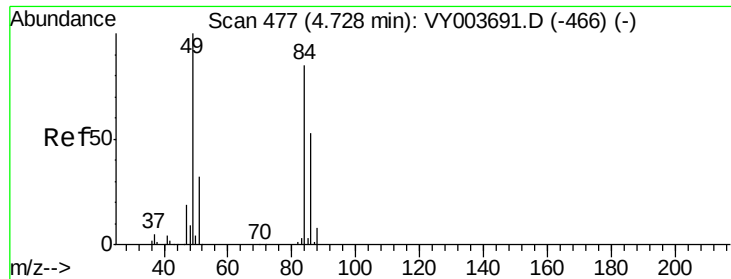
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#14
Carbon disulfide
Concen: 0.488 ug/L
RT: 4.20 min Scan# 391
Delta R.T. -0.01 min
Lab File: VY003694.D
Acq: 09 Dec 2020 12:46

Tgt Ion	Ratio	Lower	Upper
76	100		
78	11.4	7.0	10.6





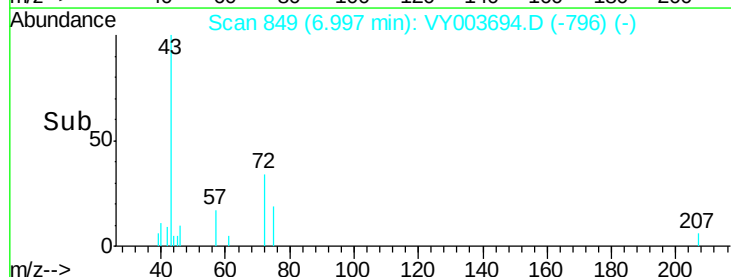
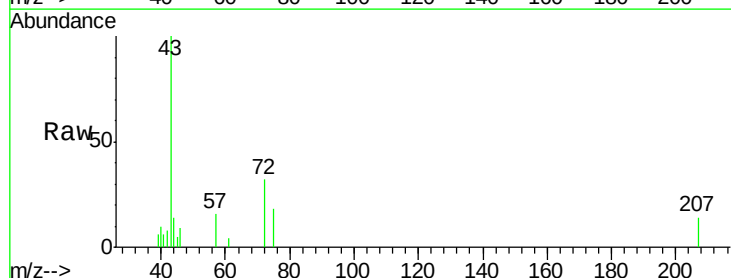
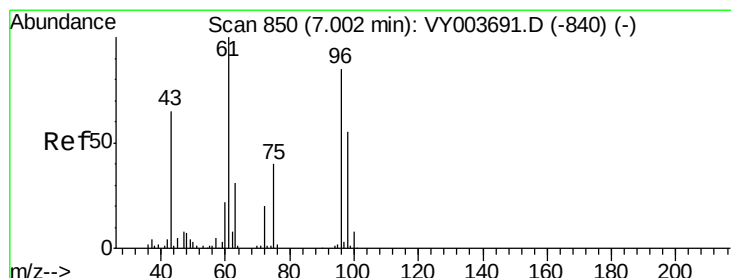
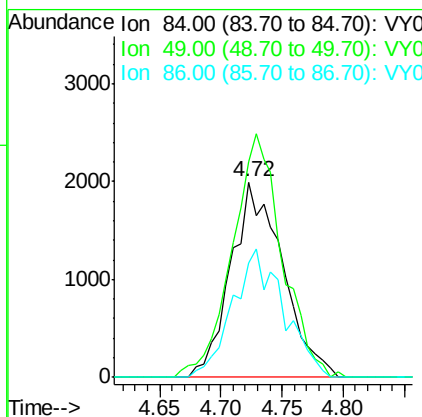
#16
Methvlene chloride
Concen: 1.912 ug/L
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VY003694.D
Acq: 09 Dec 2020 12:46

Tot Ion	84	Resp	5861
Ion Ratio	100	Lower	Upper
84	100		
49	110.4	83.7	155.4
86	58.7	45.0	83.6

Instrument :
MSVOA_Y
ClientSampleId :
GB1F8

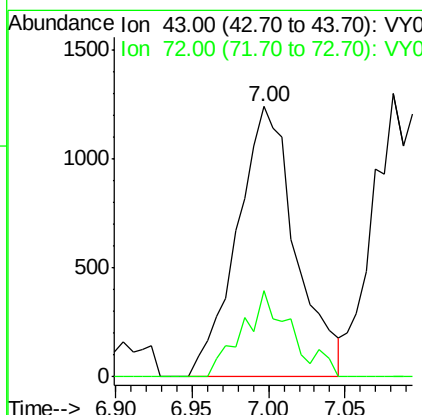
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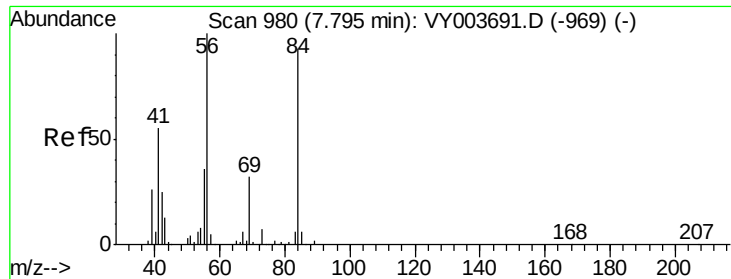
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#21
2-Butanone
Concen: 2.906 ug/L
RT: 7.00 min Scan# 849
Delta R.T. -0.01 min
Lab File: VY003694.D
Acq: 09 Dec 2020 12:46

Tgt Ion	43	Resp	3310
Ion Ratio	100	Lower	Upper
43	100		
72	19.5	13.3	39.9





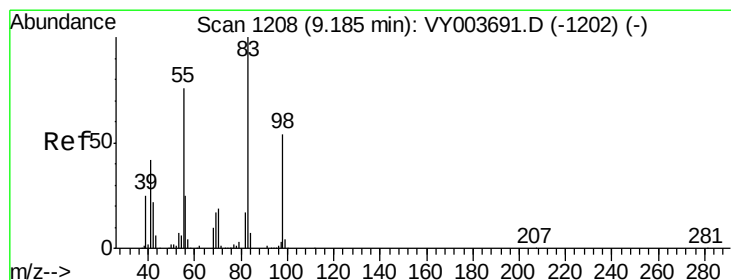
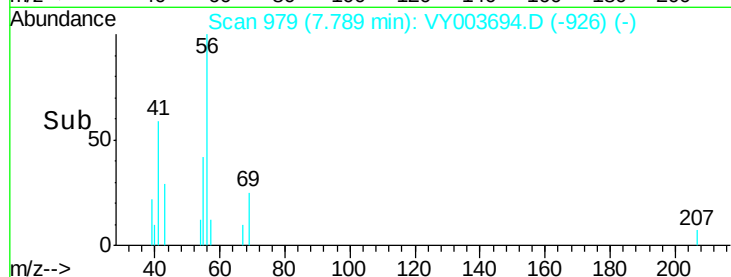
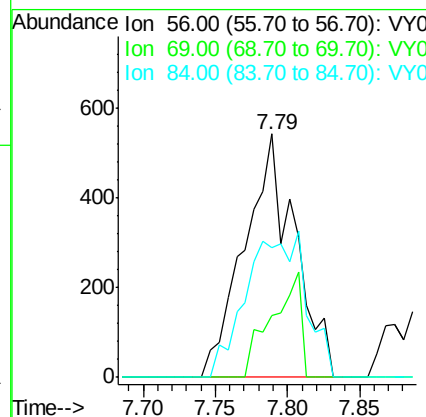
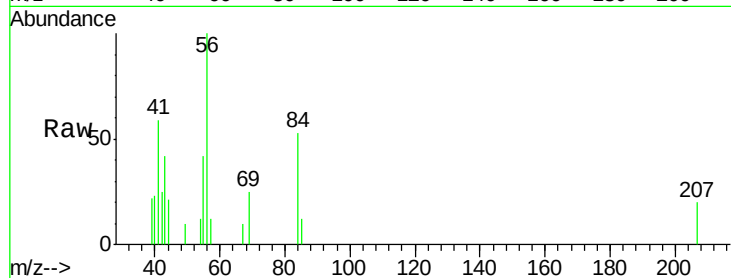
#30
Cyclohexane
Concen: 0.562 ug/L m
RT: 7.79 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY003694.D
Acq: 09 Dec 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
GB1F8

Tot Ion	Ratio	Lower	Upper
56	100		
69	0.0	23.8	35.8#
84	51.4	73.2	109.8#

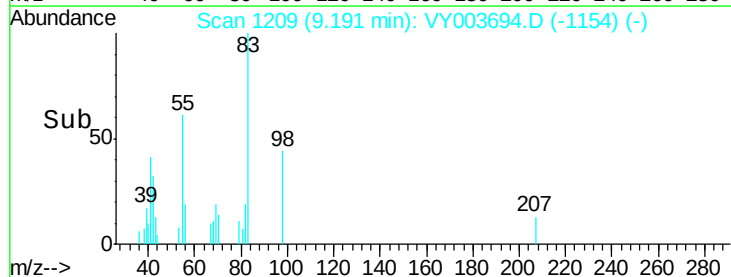
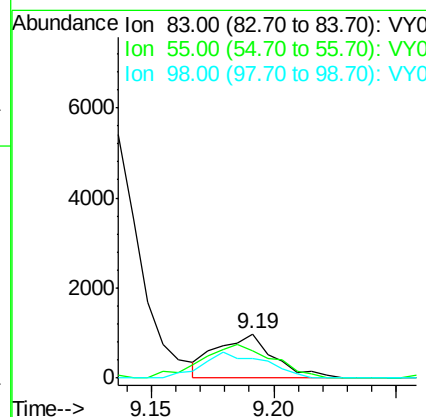
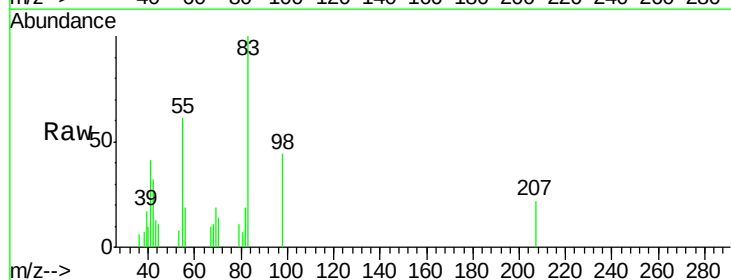
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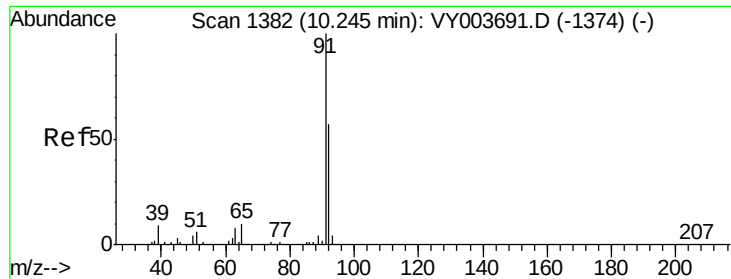
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#36
Methylcyclohexane
Concen: 0.595 ug/L
RT: 9.19 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VY003694.D
Acq: 09 Dec 2020 12:46

Tgt Ion	Ratio	Lower	Upper
83	100		
55	96.4	56.4	84.6#
98	38.5	40.3	60.5#





#44

Toluene

Concen: 2.621 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003694.D

Acq: 09 Dec 2020 12:46

Instrument :

MSVOA_Y

ClientSampled :

GB1F8

Tot Ion: 91 Resp: 17241

Ion Ratio Lower Upper

91 100

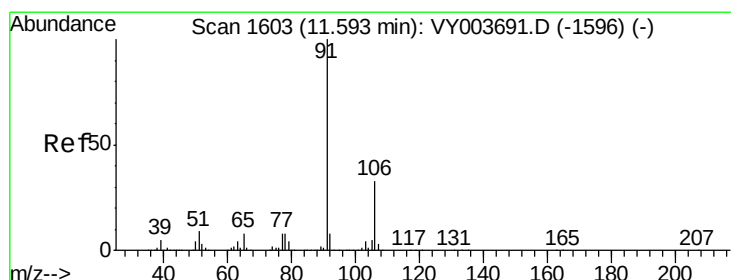
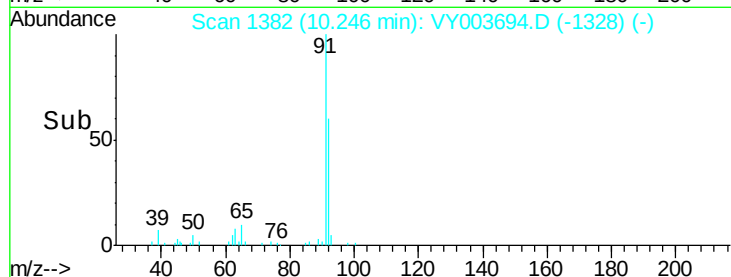
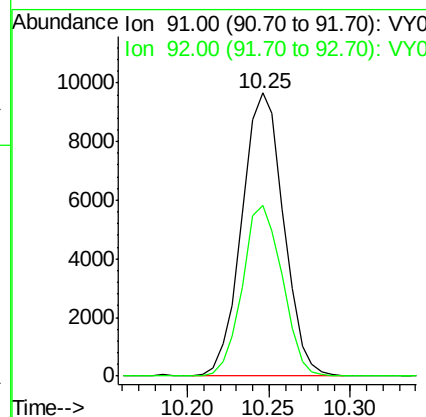
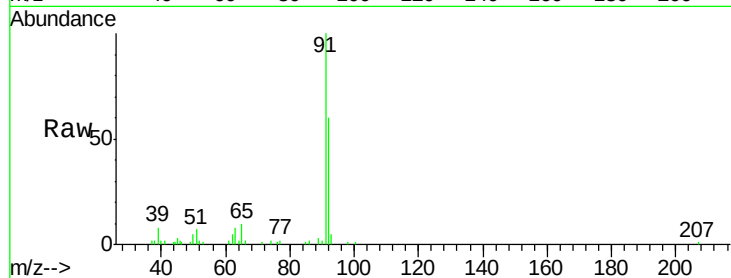
92 60.3 39.8 73.8

Manual Integrations

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#53

Ethylbenzene

Concen: 1.925 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003694.D

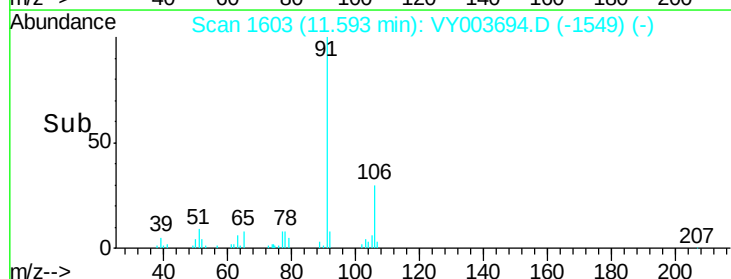
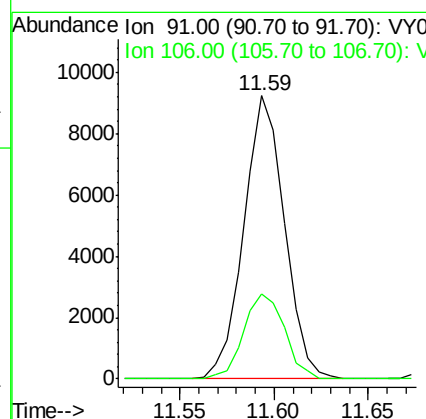
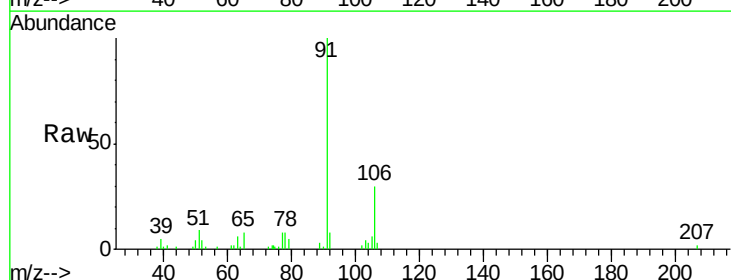
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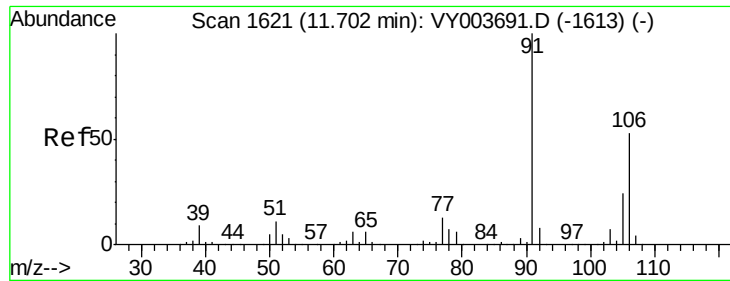
Tgt Ion: 91 Resp: 13819

Ion Ratio Lower Upper

91 100

106 29.8 23.3 43.3





#54

m,p-Xylene

Concen: 0.552 ug/L

RT: 11.71 min Scan# 1622

Delta R.T. 0.01 min

Lab File: VY003694.D

Acq: 09 Dec 2020 12:46

Instrument :

MSVOA_Y

ClientSampled :

GB1F8

Tot Ion:106 Resp: 1528

Ion Ratio Lower Upper

106 100

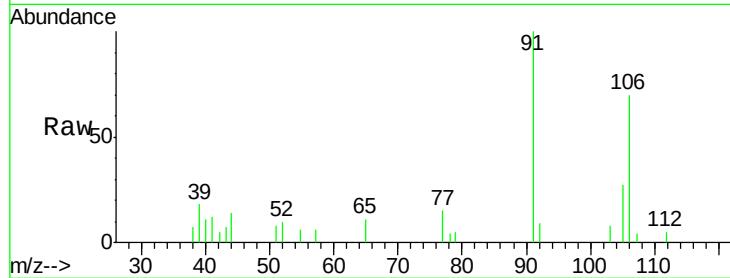
91 143.2 131.3 243.9

Manual Integrations

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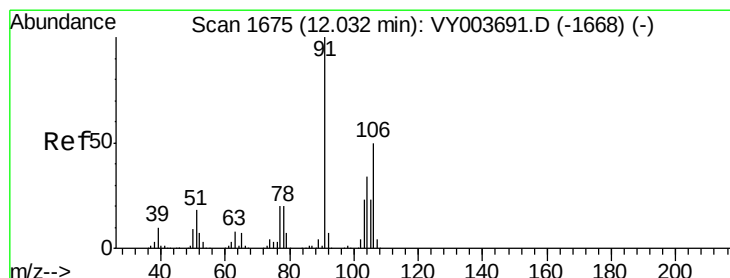
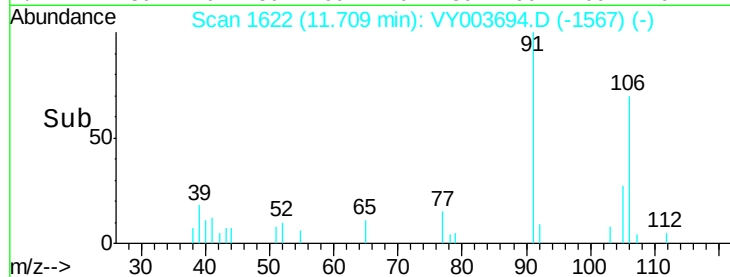
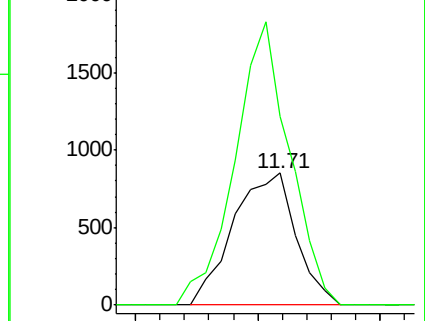
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 0.279 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VY003694.D

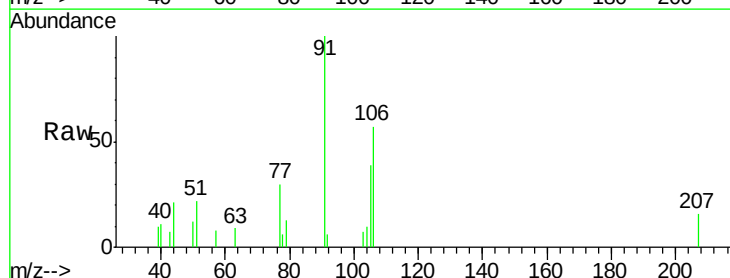
Acq: 09 Dec 2020 12:46

Tgt Ion:106 Resp: 740

Ion Ratio Lower Upper

106 100

91 175.7 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

