

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
 Data File : VV018450.D
 Acq On : 25 Sep 2020 13:11
 Operator : SY/MD
 Sample : L4109-12ME
 Misc : 6.17µ/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X2ME

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 5:00:31 PM

Quant Time: Sep 26 02:11:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 23:36:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	432072	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	417931	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	218272	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104289	29.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	59.24%#
7) Chloroethane-d5	1.58	69	90797	31.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	63.02%#
11) 1,1-Dichloroethene-d2	2.10	63	159262	24.66	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	49.32%#
21) 2-Butanone-d5	3.93	46	170413	79.07	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.07%
24) Chloroform-d	4.37	84	236437	38.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.40%
26) 1,2-Dichloroethane-d4	5.05	65	157654	40.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.52%
32) Benzene-d6	5.07	84	497255	41.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.12%
36) 1,2-Dichloropropane-d6	6.09	67	163618	43.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.08%
41) Toluene-d8	7.34	98	464111	42.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.12%
43) trans-1,3-Dichloropropene-	7.64	79	81658	42.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.54%
47) 2-Hexanone-d5	8.14	63	146169	101.51	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.51%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	218161	45.72	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.44%
64) 1,2-Dichlorobenzene-d4	11.65	152	205097	45.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.50%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
29) Cyclohexane	4.70	56	83684	17.340	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	7787	1.605	ug/L	98
35) Methylcyclohexane	6.15	83	5681m	1.159	ug/L	
42) Toluene	7.41	91	500460	39.576	ug/L	99
45) 1,1,2-Trichloroethane	7.81	97	5433	1.851	ug/L #	21
46) Tetrachloroethene	8.00	164	11840	4.639	ug/L	97
52) Ethylbenzene	9.04	91	256690	18.593	ug/L	99
53) m,p-Xylene	9.16	106	412663	80.082	ug/L	97
54) o-xylene	9.57	106	174646	35.180	ug/L	99
56) Isopropylbenzene	9.95	105	330773	24.723	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	11671	1.779	ug/L #	81
68) 1,2,4-trichlorobenzene	13.29	180	97973	21.502	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	27150	6.050	ug/L #	94

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

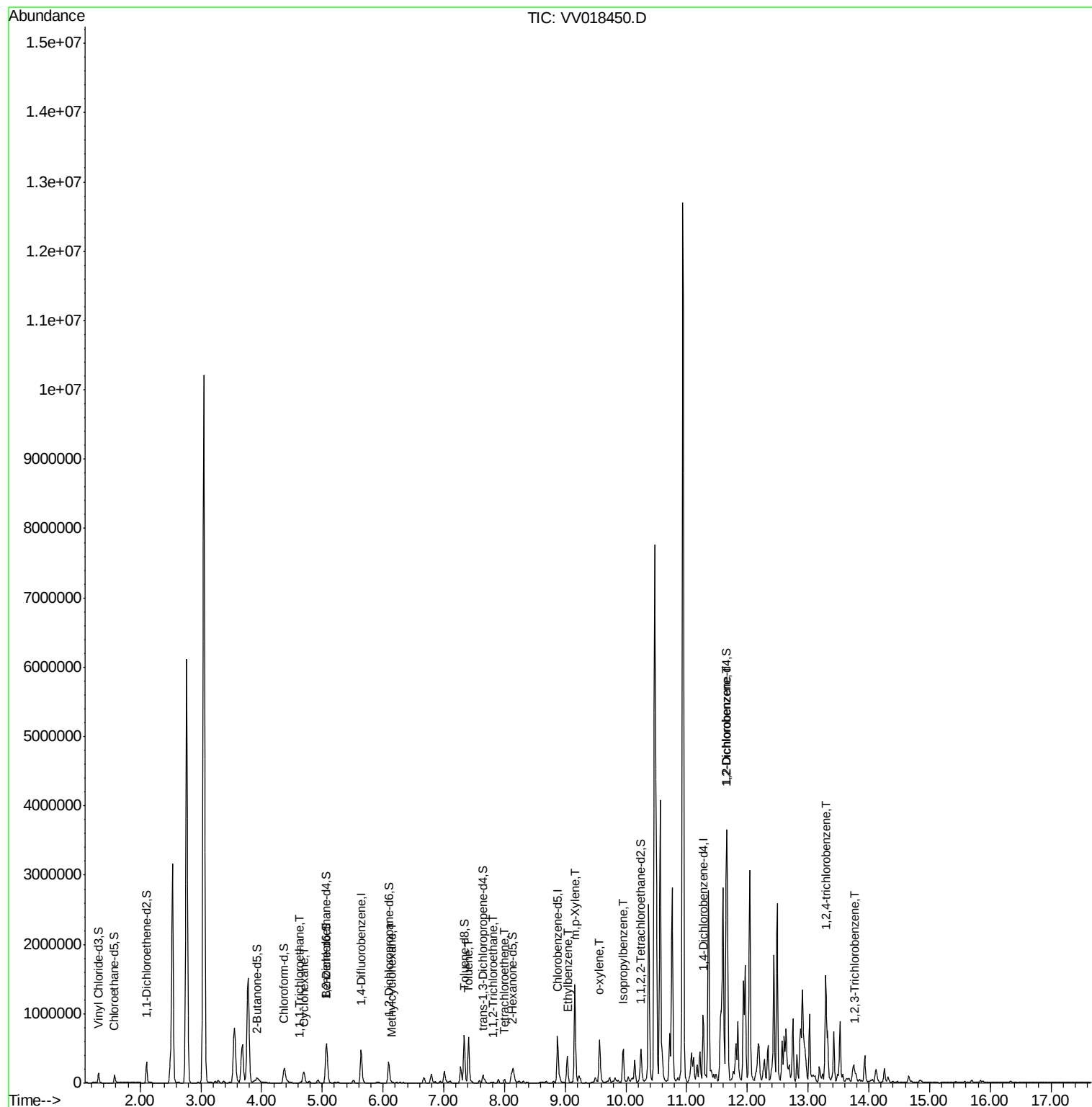
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV092520\
Data File : VV018450.D
Acq On : 25 Sep 2020 13:11
Operator : SY/MD
Sample : L4109-12ME
Misc : 6.17a/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 11 Sample Multiplier: 1

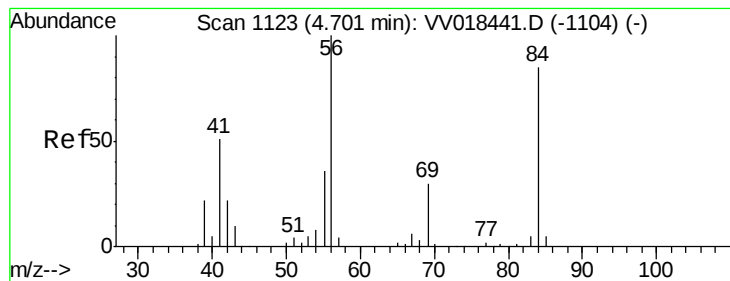
Instrument :
MSVOA_V
ClientSampleId :
BG3X2ME

Manual Integrations
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9/28/2020 5:00:31 PM

Quant Time: Sep 26 02:11:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 25 23:36:18 2020
Response via : Initial Calibration





#29

Cyclohexane

Concen: 17.340 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV018450.D

Acq: 25 Sep 2020 13:11

Instrument :

MSVOA_V

ClientSampleId :

BG3X2ME

Tot Ion: 56 Resp: 83684

Ion Ratio Lower Upper

56 100

69 28.6 24.2 36.2

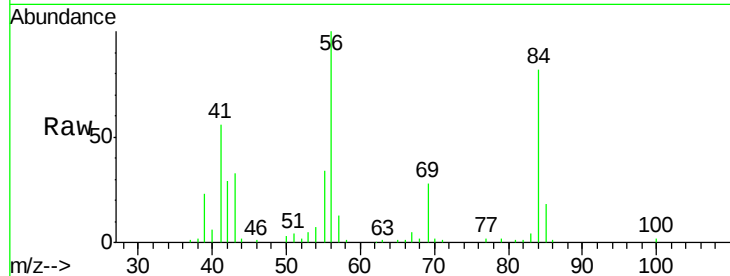
84 82.6 68.3 102.5

Manual Integrations

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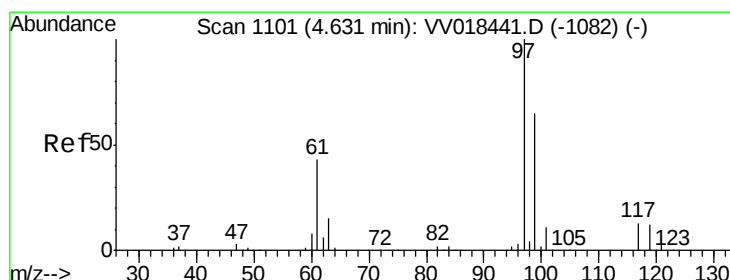
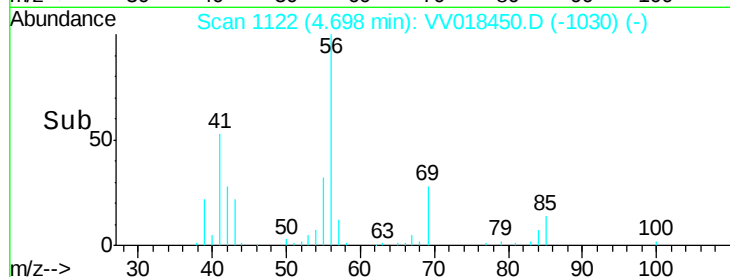
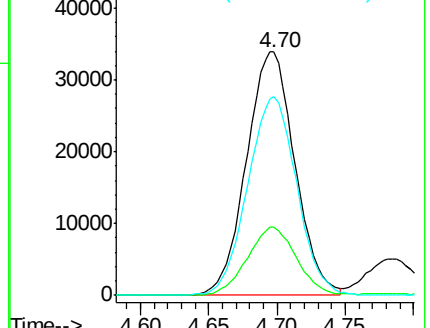
9/28/2020 5:00:31 PM



Abundance Ion 56.00 (55.70 to 56.70): VV018441.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018441.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018441.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 1.605 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018450.D

Acq: 25 Sep 2020 13:11

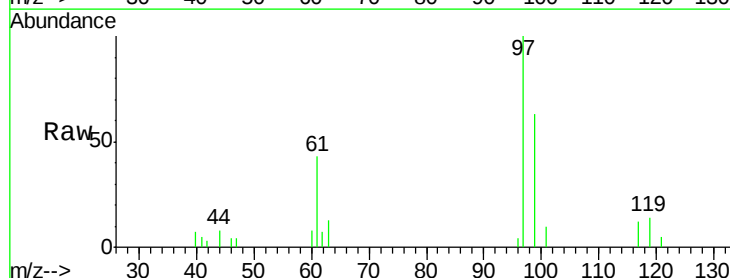
Tgt Ion: 97 Resp: 7787

Ion Ratio Lower Upper

97 100

99 62.2 51.6 77.4

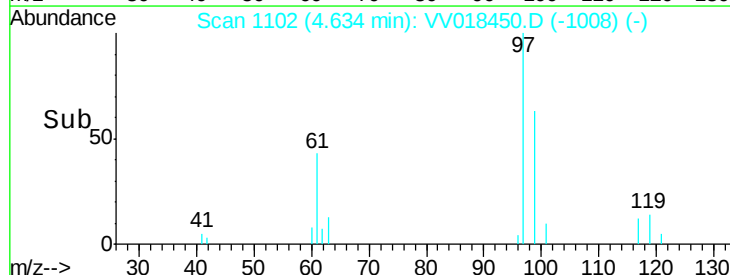
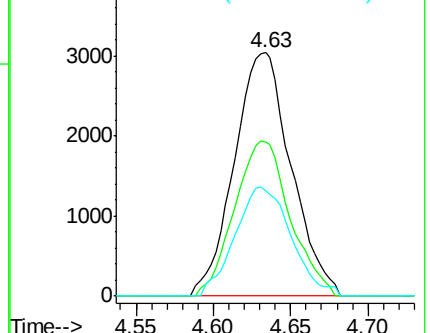
61 43.9 34.9 52.3

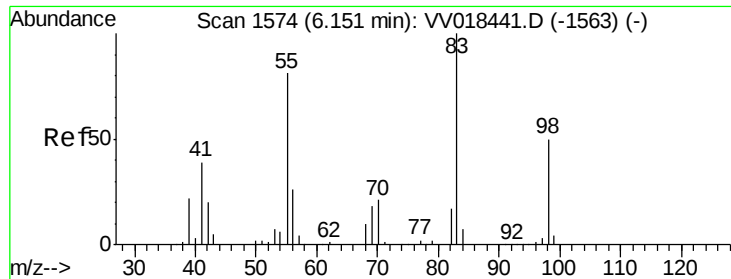


Abundance Ion 97.00 (96.70 to 97.70): VV018441.D (-1082) (-)

Ion 99.00 (98.70 to 99.70): VV018441.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV018441.D (-1082) (-)





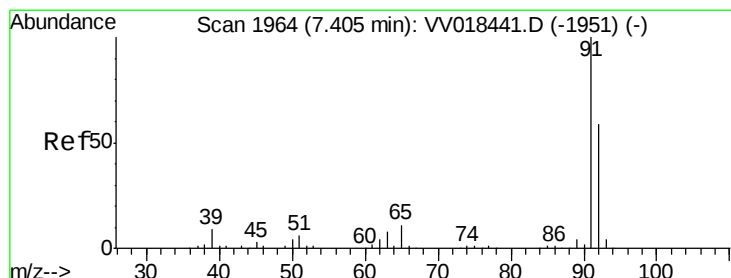
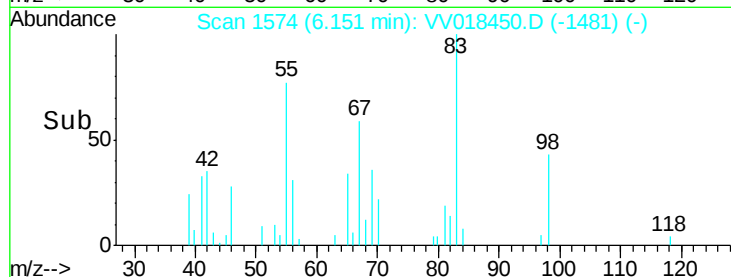
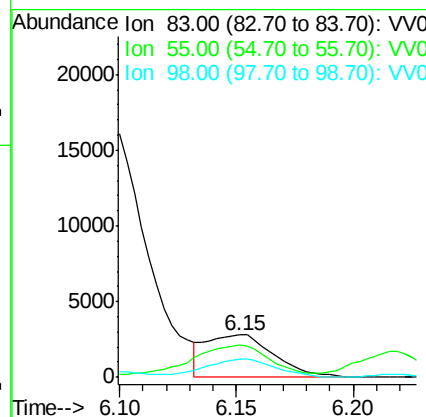
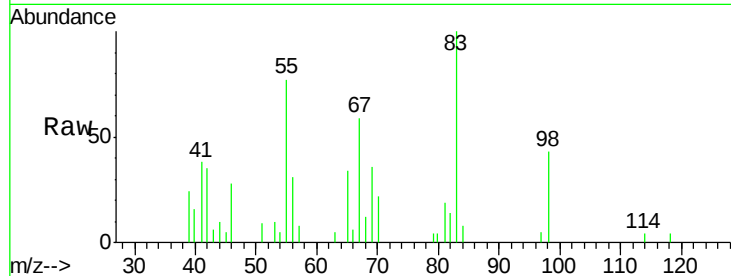
#35
Methvlcvclohexane
Concen: 1.159 ug/L m
RT: 6.15 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VV018450.D
Acq: 25 Sep 2020 13:11

Instrument :
MSVOA_V
ClientSampleId :
BG3X2ME

Tot Ion	Ratio	Lower	Upper
83	100		
55	2.7	63.4	95.2#
98	11.2	38.8	58.2#

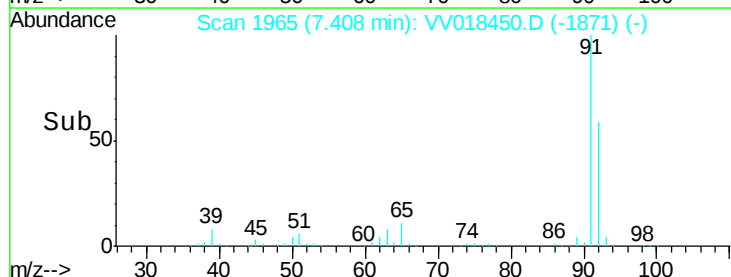
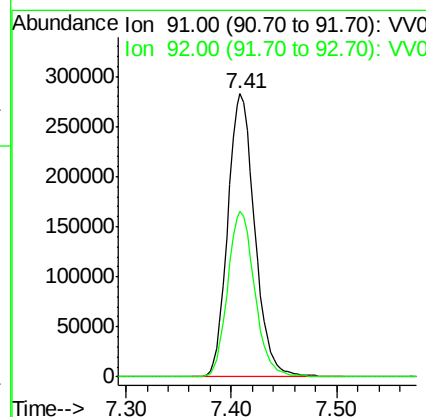
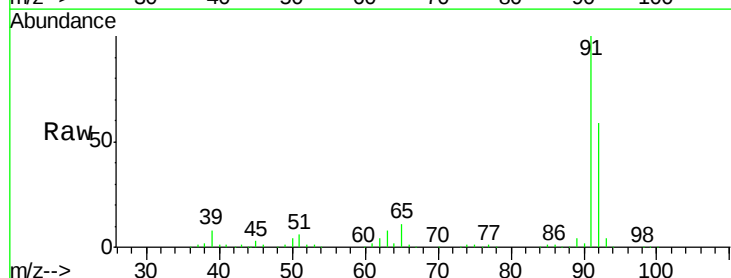
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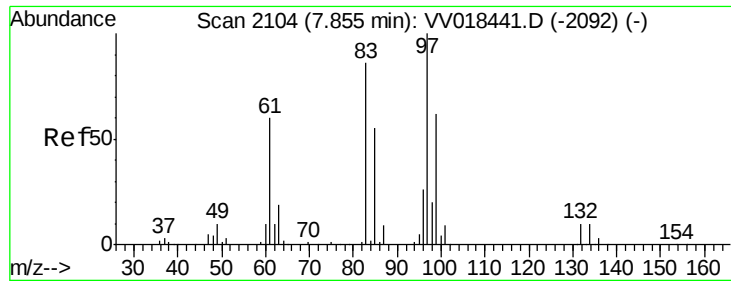
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#42
Toluene
Concen: 39.576 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV018450.D
Acq: 25 Sep 2020 13:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.7	40.7	75.5





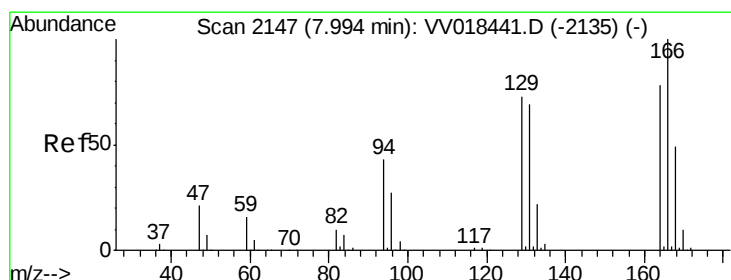
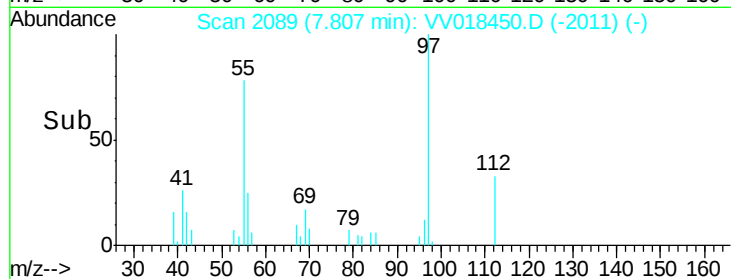
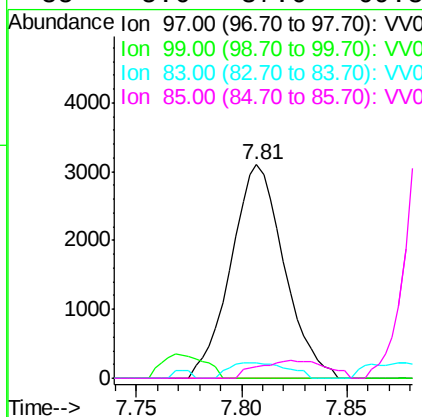
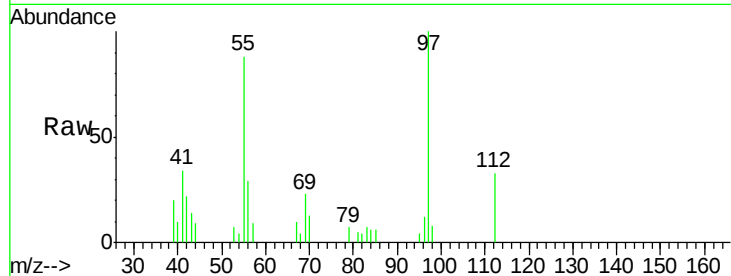
#45
 1,1,2-Trichloroethane
 Concen: 1.851 ug/L
 RT: 7.81 min Scan# 2089
 Delta R.T. -0.05 min
 Lab File: VV018450.D
 Acq: 25 Sep 2020 13:11

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X2ME

Tot Ion:	97	Resp:	5433
Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.7	81.1#
83	7.3	59.9	111.3#
85	5.6	37.6	69.8#

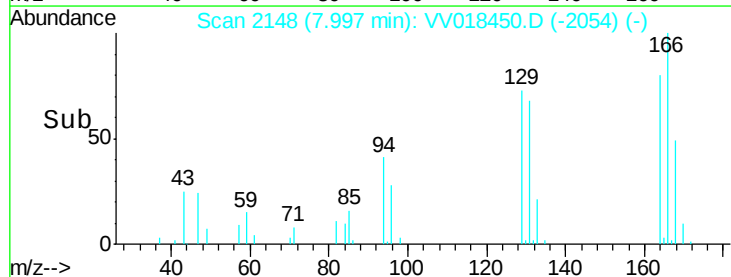
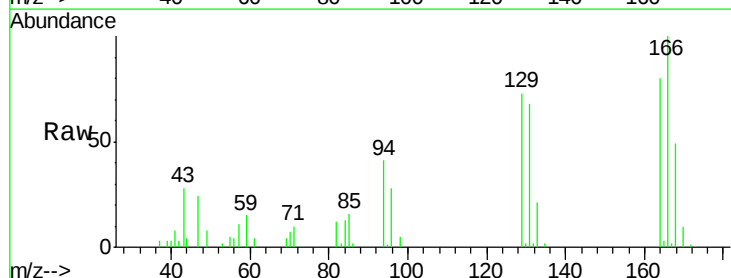
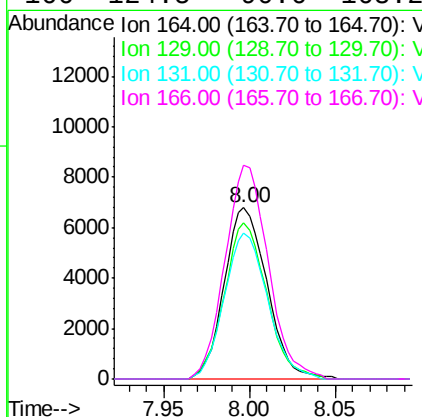
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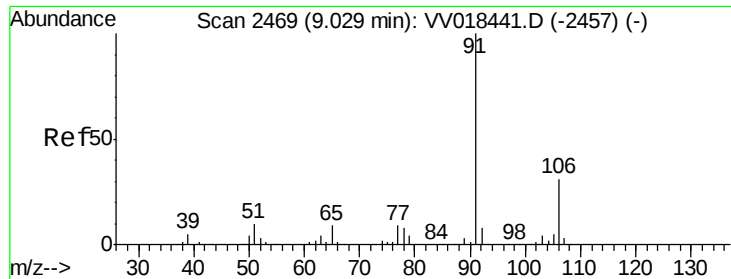
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 9/28/2020 5:00:31 PM



#46
 Tetrachloroethene
 Concen: 4.639 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018450.D
 Acq: 25 Sep 2020 13:11

Tgt Ion:	164	Resp:	11840
Ion	Ratio	Lower	Upper
164	100		
129	90.8	64.5	119.7
131	85.0	61.8	114.8
166	124.5	90.6	168.2





#52

Ethylbenzene

Concen: 18.593 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.01 min

Lab File: VV018450.D

Acq: 25 Sep 2020 13:11

Instrument :

MSVOA_V

ClientSampleId :

BG3X2ME

Tot Ion: 91 Resp: 256690

Ion Ratio Lower Upper

91 100

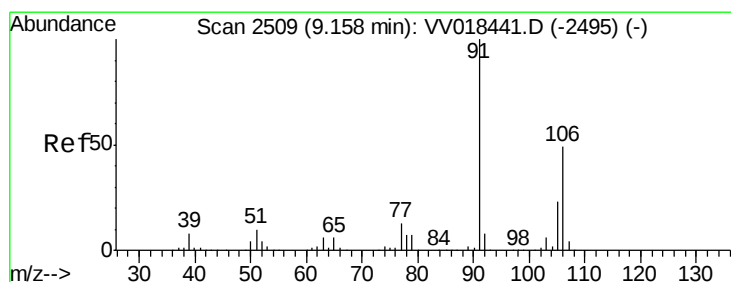
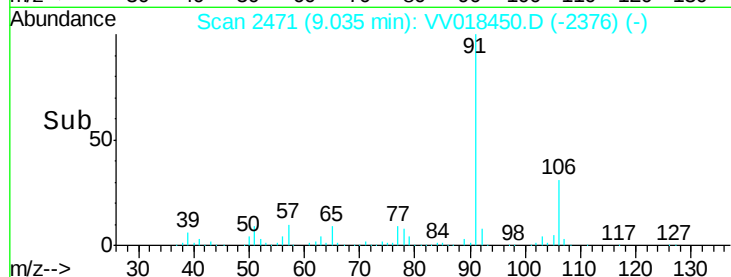
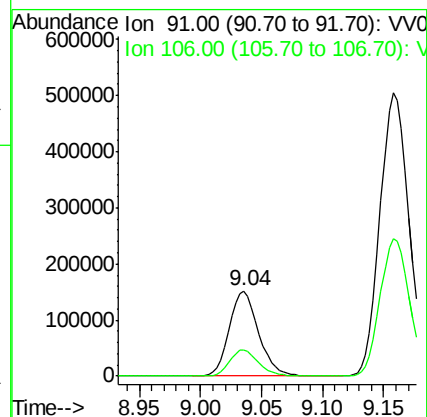
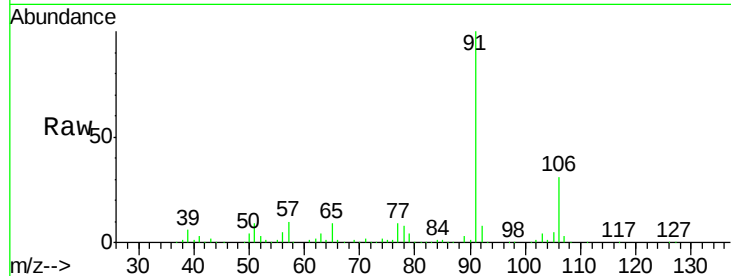
106 30.7 21.3 39.5

Manual Integrations

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#53

m,p-Xylene

Concen: 80.082 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018450.D

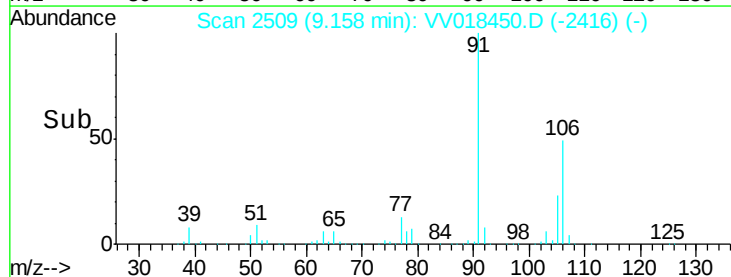
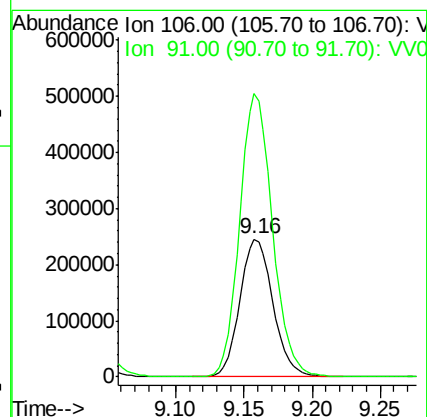
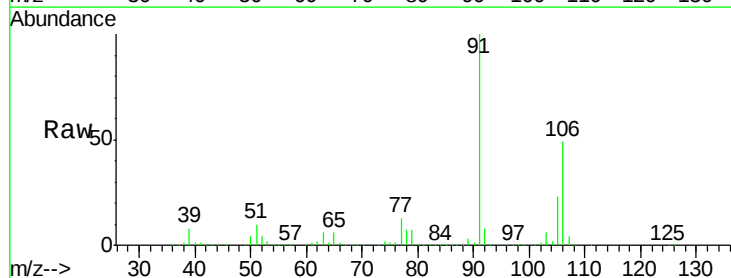
Acq: 25 Sep 2020 13:11

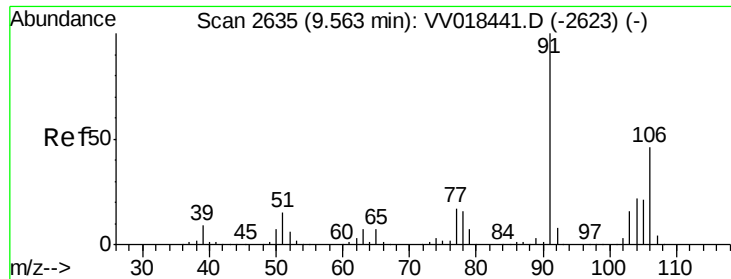
Tgt Ion: 106 Resp: 412663

Ion Ratio Lower Upper

106 100

91 205.5 146.7 272.5





#54

o-xylene

Concen: 35.180 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018450.D

Acq: 25 Sep 2020 13:11

Instrument :

MSVOA_V

ClientSampleId :

BG3X2ME

Tot Ion:106 Resp: 174646

Ion Ratio Lower Upper

106 100

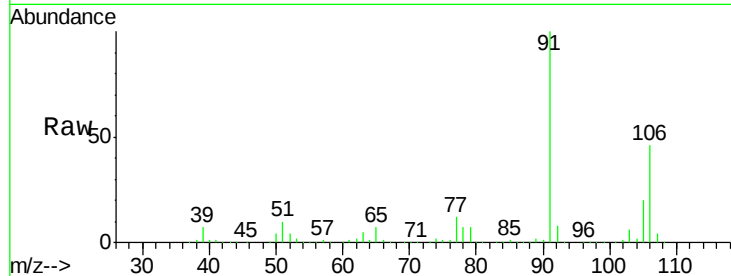
91 215.2 152.2 282.6

Manual Integrations

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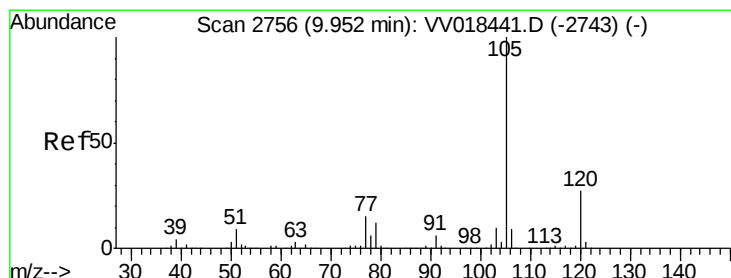
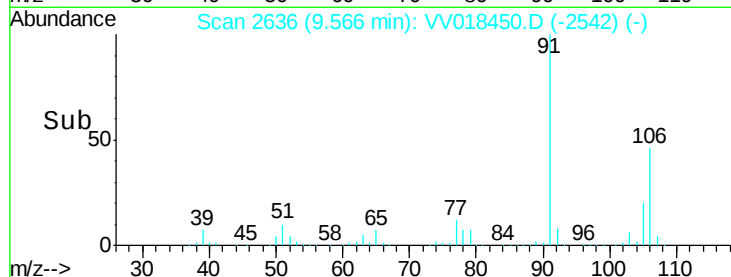
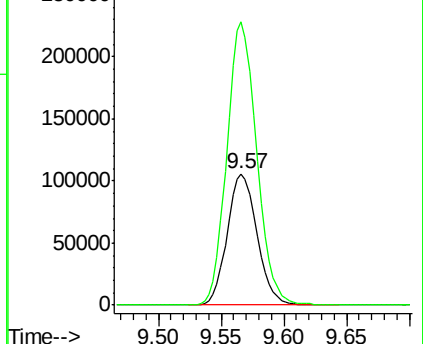
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Isopropylbenzene

Concen: 24.723 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018450.D

Acq: 25 Sep 2020 13:11

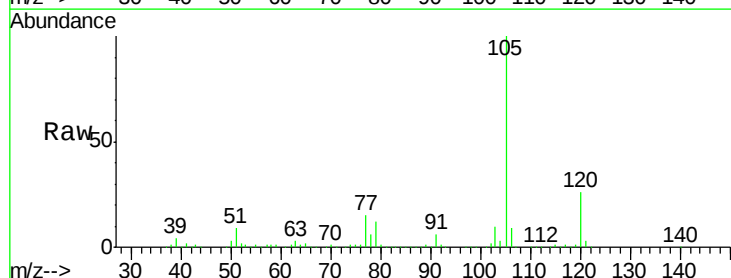
Tgt Ion:105 Resp: 330773

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

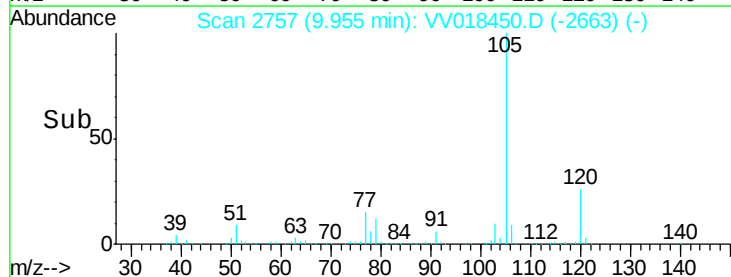
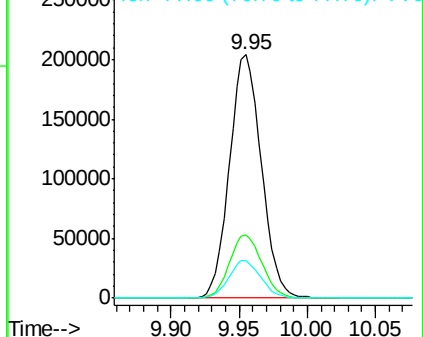
77 15.6 12.5 18.7

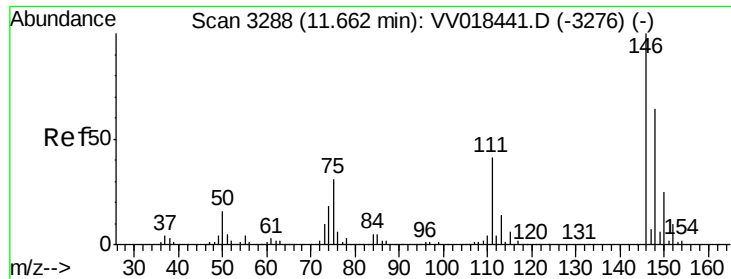


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#65

1,2-Dichlorobenzene

Concen: 1.779 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.01 min

Lab File: VV018450.D

Acq: 25 Sep 2020 13:11

Instrument :

MSVOA_V

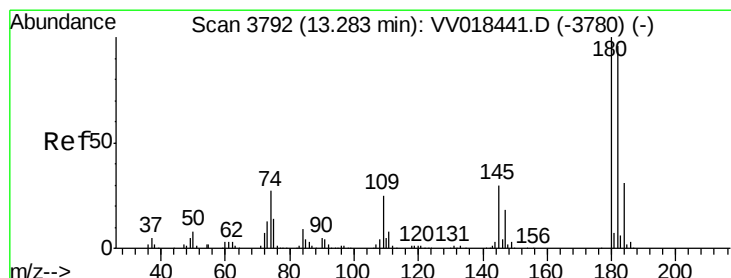
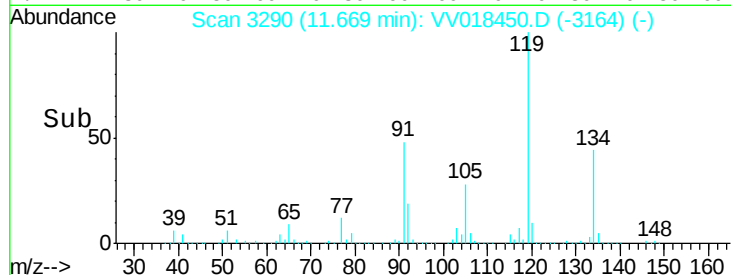
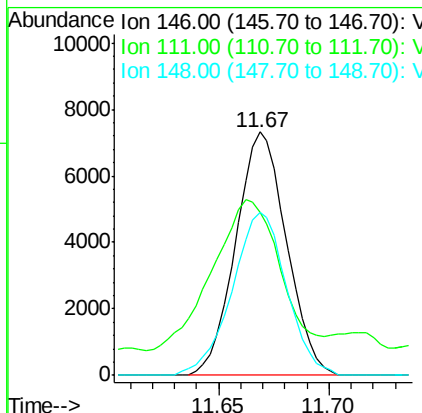
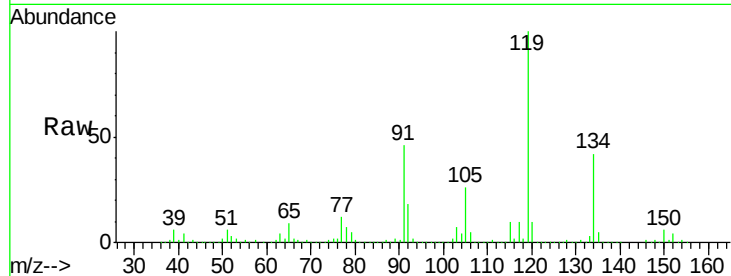
ClientSampled :

BG3X2ME

Tot Ion:	146	Resp:	11671
Ion Ratio	Lower	Upper	
146	100		
111	66.9	32.8	49.2#
148	67.1	50.7	76.1

Manual Integrations
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#68

1,2,4-trichlorobenzene

Concen: 21.502 ug/L

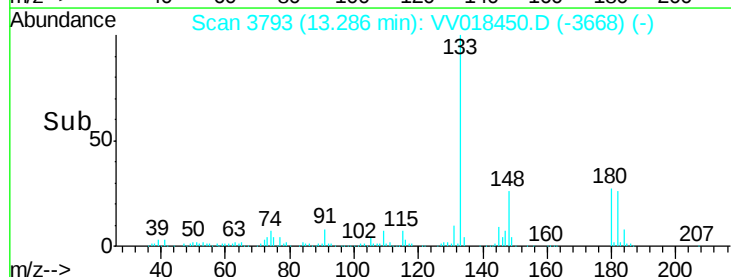
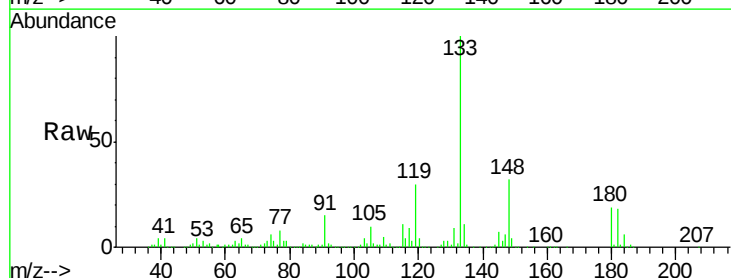
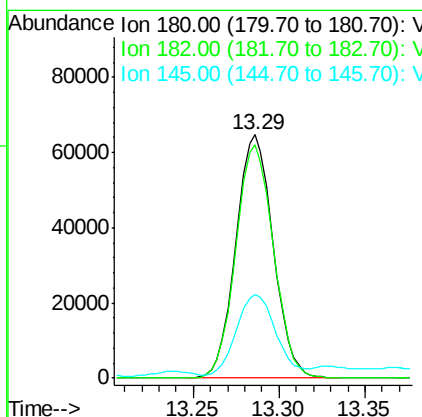
RT: 13.29 min Scan# 3793

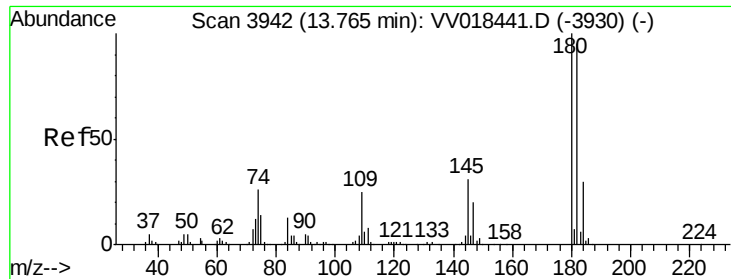
Delta R.T. 0.00 min

Lab File: VV018450.D

Acq: 25 Sep 2020 13:11

Tgt Ion:	180	Resp:	97973
Ion Ratio	Lower	Upper	
180	100		
182	96.7	77.4	116.2
145	34.8	23.2	34.8





#70
 1,2,3-Trichlorobenzene
 Concen: 6.050 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV018450.D
 Acq: 25 Sep 2020 13:11

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X2ME

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.5	114.7
145	40.7	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 5:00:31 PM

