

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022020\
 Data File : VV014640.D
 Acq On : 20 Feb 2020 21:41
 Operator : SY/MD
 Sample : L1607-18
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AQ4

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 4:13:13 PM

Quant Time: Feb 21 06:06:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 21 03:31:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	268038	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	261937	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	124888	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51088	49.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.26%
7) Chloroethane-d5	1.58	69	38784	53.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.14%
11) 1,1-Dichloroethene-d2	2.13	63	78170	45.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.02%
21) 2-Butanone-d5	3.93	46	90158	105.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.62%
24) Chloroform-d	4.40	84	154907	51.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.08	65	103188	55.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.82%
32) Benzene-d6	5.10	84	326544	52.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.26%
36) 1,2-Dichloropropane-d6	6.14	67	102682	54.42	ug/L	0.03
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.84%
41) Toluene-d8	7.36	98	323261	53.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.28%
43) trans-1,3-Dichloropropene-	7.66	79	55661	53.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.00%
47) 2-Hexanone-d5	8.13	63	77028	102.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.17%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	129176	50.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.88%
64) 1,2-Dichlorobenzene-d4	11.67	152	118581	53.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	61065	69.052	ug/L	98
12) 1,1-Dichloroethene	2.14	96	14927	18.158	ug/L #	36
13) Acetone	2.19	43	3668	5.009	ug/L	75
20) cis-1,2-Dichloroethene	3.96	96	24807	13.232	ug/L	96
25) Chloroform	4.43	83	13103	4.165	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	351410	123.323	ug/L	99
31) Carbon tetrachloride	4.88	117	21625	8.405	ug/L	98
33) Benzene	5.15	78	15230	2.215	ug/L	100
34) Trichloroethene	5.99	95	53474912m	28814.523	ug/L	
38) Bromodichloromethane	6.56	83	3688	1.481	ug/L #	92
40) 4-Methyl-2-pentanone	7.27	43	298310	142.213	ug/L	99
42) Toluene	7.43	91	506853	67.586	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	47897	27.305	ug/L	98
46) Tetrachloroethene	8.02	164	19317	13.237	ug/L	98
52) Ethylbenzene	9.05	91	6303	0.741	ug/L	90
53) m,p-Xylene	9.18	106	3117	0.939	ug/L	81
56) Isopropylbenzene	9.97	105	30788	3.646	ug/L	98

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Quant Title : VOC Analysis
QLast Update : Fri Feb 21 03:31:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

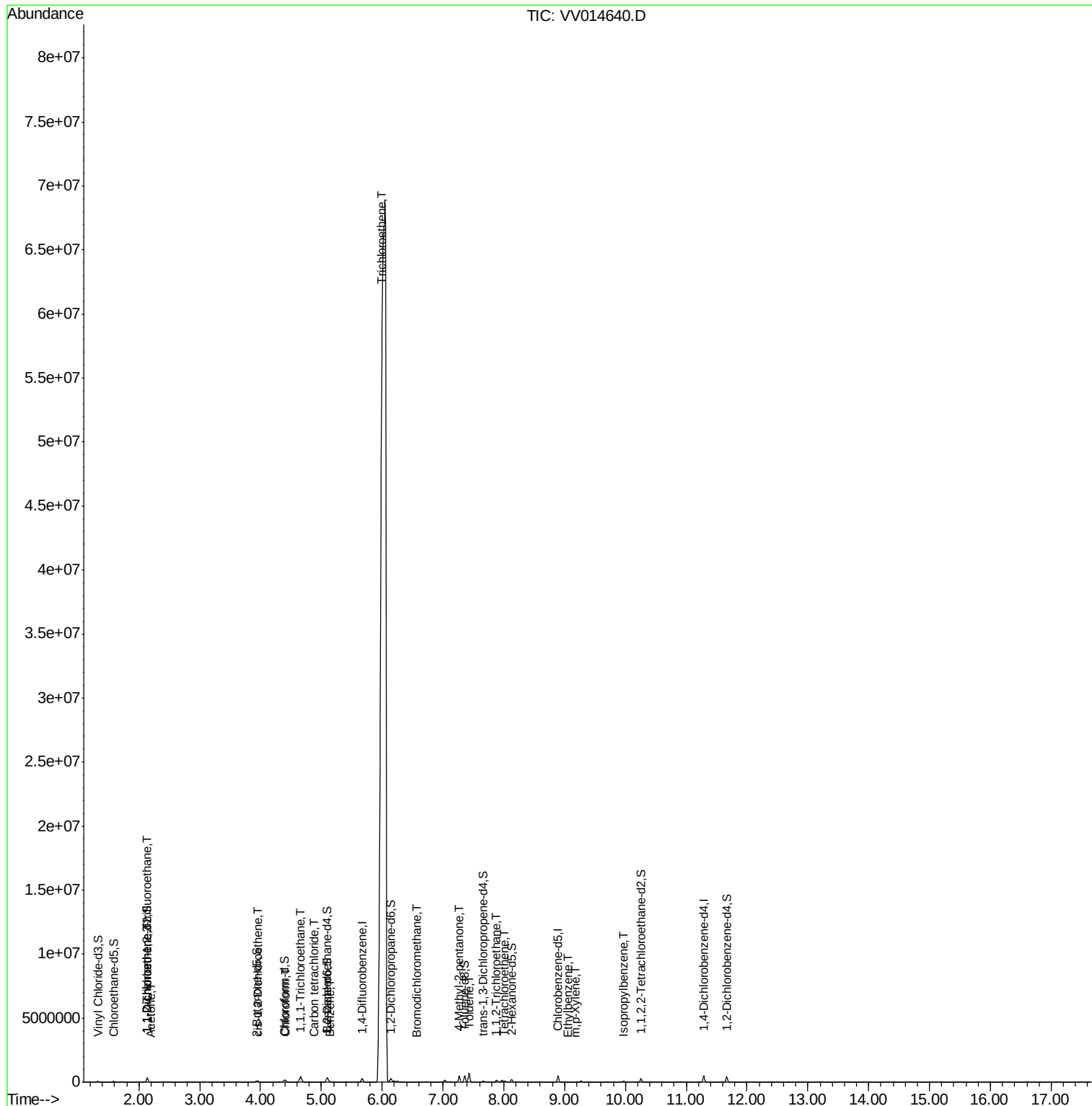
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV022020\
Data File : VV014640.D
Acq On : 20 Feb 2020 21:41
Operator : SY/MD
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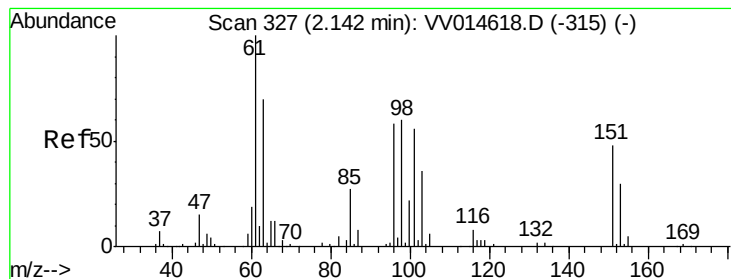
Instrument :
MSVOA_V
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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 69.052 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014640.D

Acq: 20 Feb 2020 21:41

Instrument :

MSVOA_V

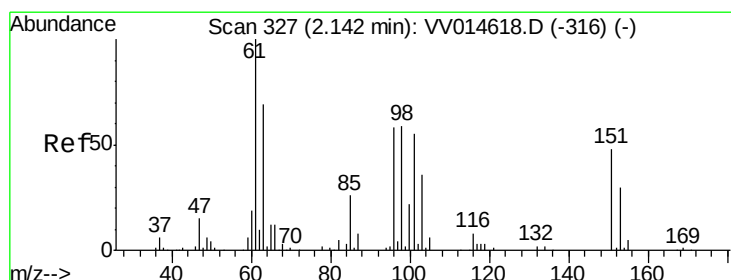
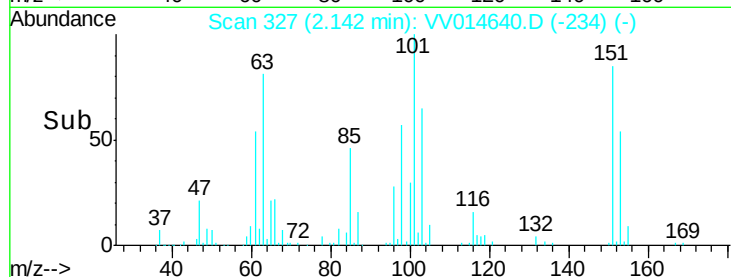
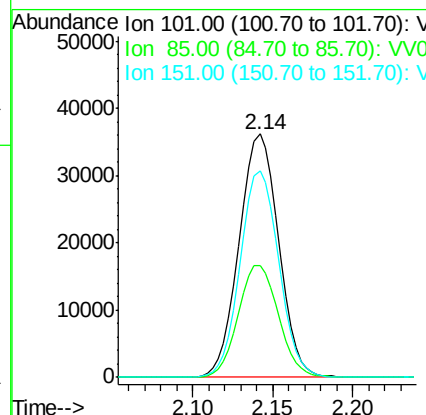
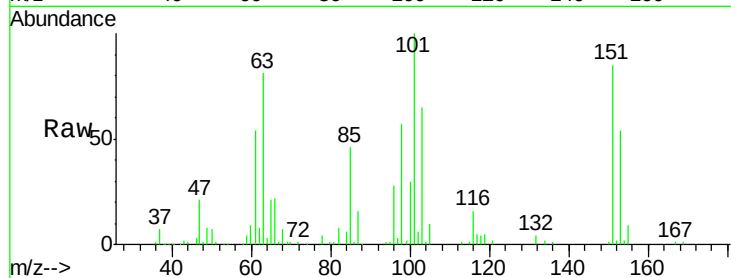
ClientSampled :

C0AQ4

Tot Ion:	101	Resp:	61065
Ion Ratio	Lower	Upper	
101	100		
85	46.8	35.4	53.0
151	83.0	65.4	98.2

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#12

1,1-Dichloroethene

Concen: 18.158 ug/L

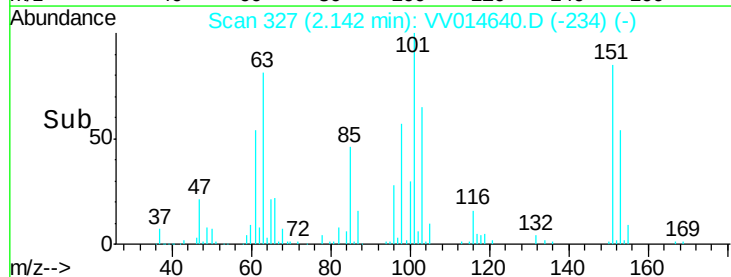
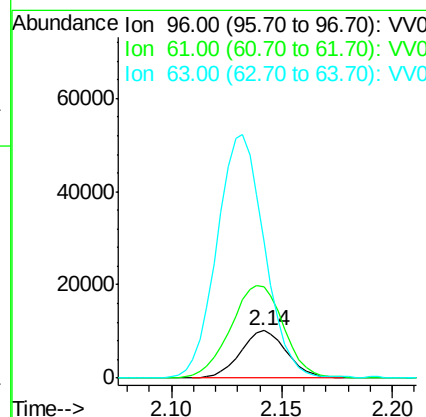
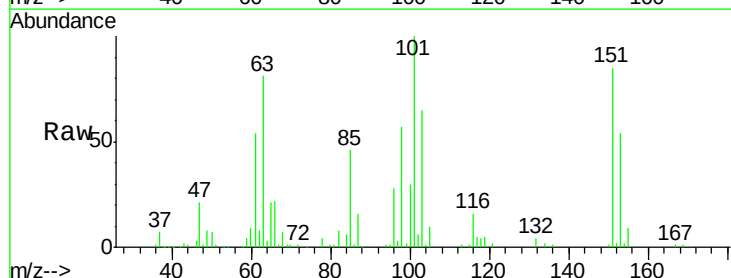
RT: 2.14 min Scan# 327

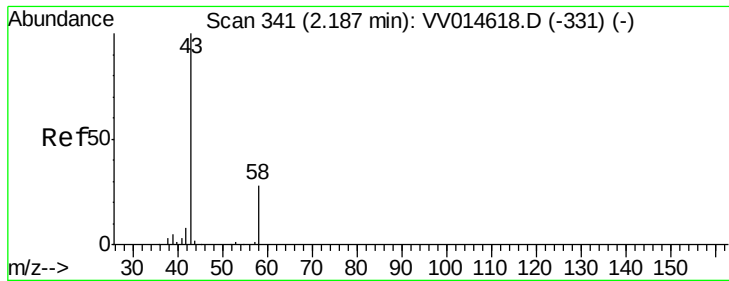
Delta R.T. 0.00 min

Lab File: VV014640.D

Acq: 20 Feb 2020 21:41

Tgt Ion:	96	Resp:	14927
Ion Ratio	Lower	Upper	
96	100		
61	191.5	124.2	230.6
63	288.0	89.2	165.8#





#13

Acetone

Concen: 5.009 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV014640.D

Acq: 20 Feb 2020 21:41

Instrument :

MSVOA_V

ClientSampled :

C0AQ4

Tot Ion: 43 Resp: 3668

Ion Ratio Lower Upper

43 100

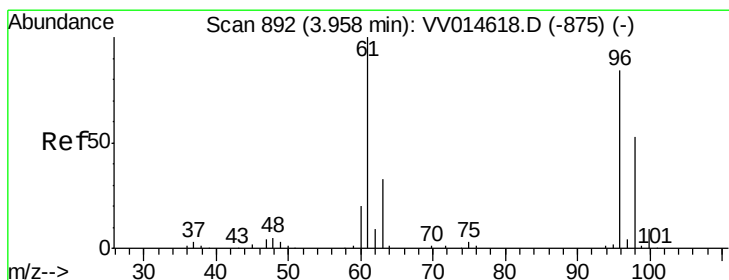
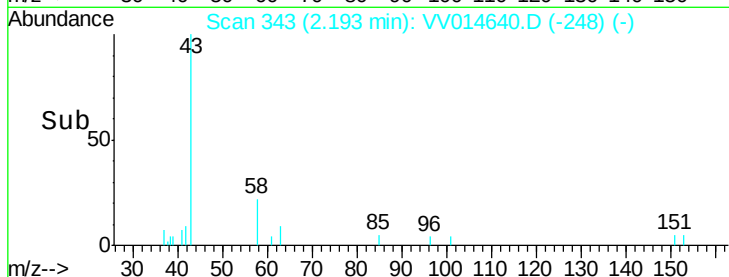
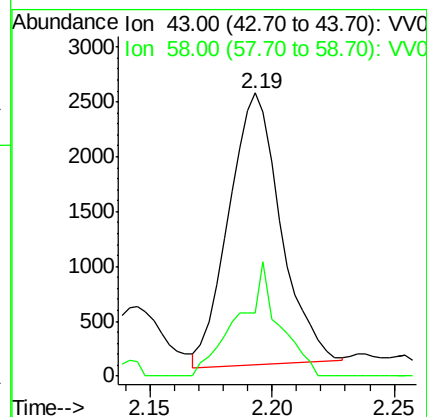
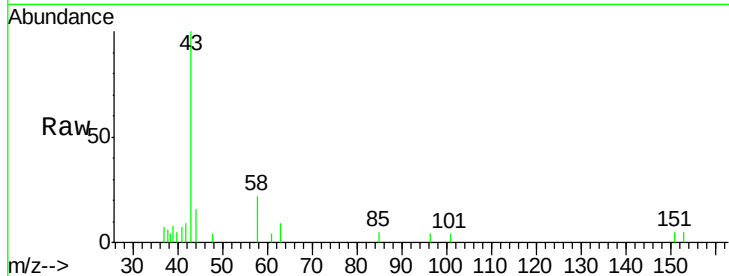
58 16.1 0.0 58.8

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#20

cis-1,2-Dichloroethene

Concen: 13.232 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014640.D

Acq: 20 Feb 2020 21:41

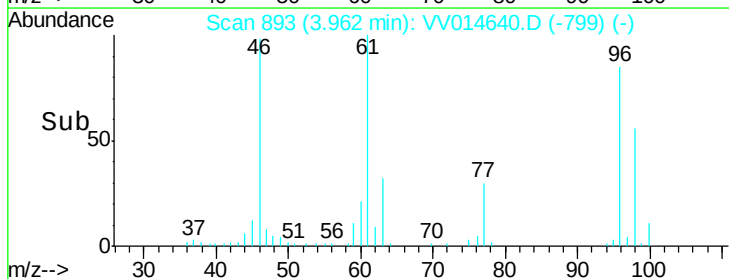
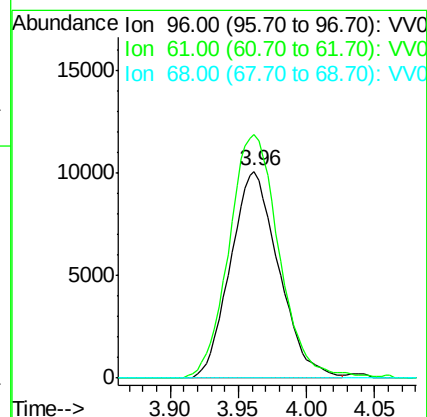
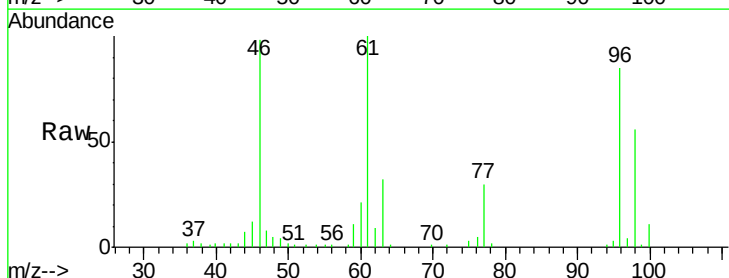
Tgt Ion: 96 Resp: 24807

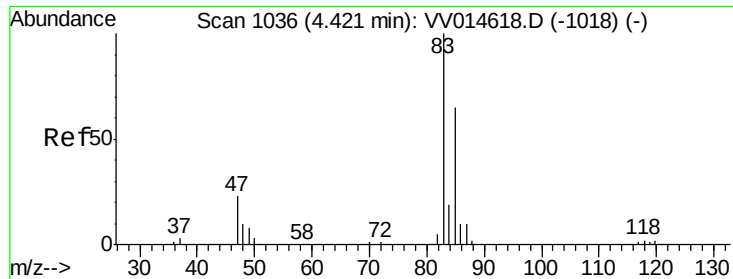
Ion Ratio Lower Upper

96 100

61 117.9 85.9 159.5

68 0.0 0.0 0.0





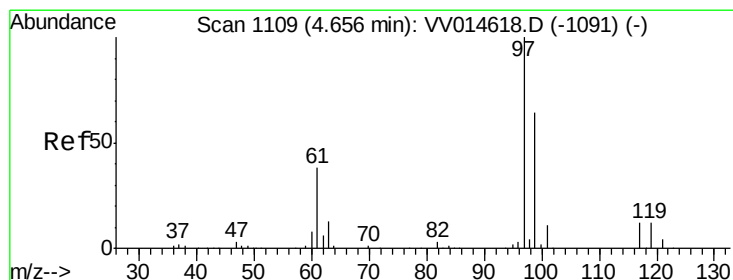
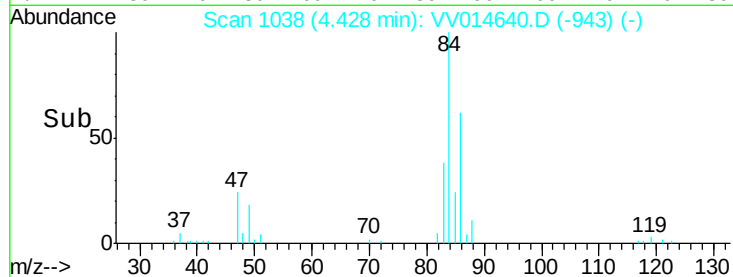
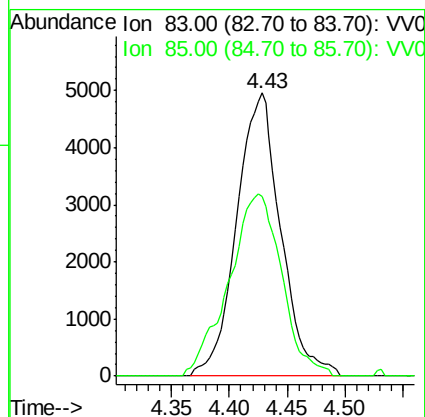
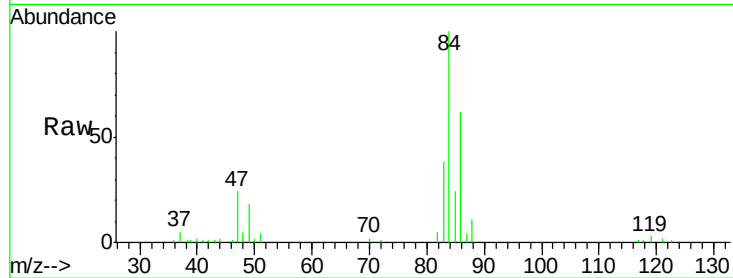
#25
Chloroform
Concen: 4.165 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV014640.D
Acq: 20 Feb 2020 21:41

Instrument :
MSVOA_V
ClientSampleId :
C0AQ4

Tot Ion	83	Resp	13103
Ion Ratio	100	Lower	Upper
85	63.6	45.0	83.6

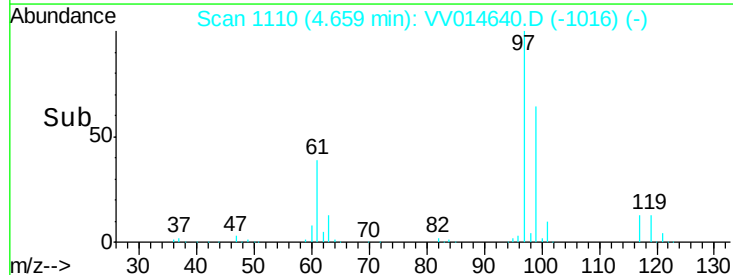
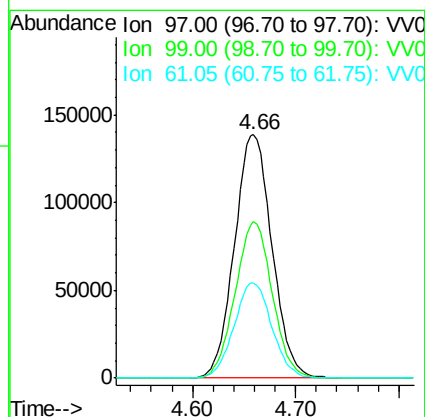
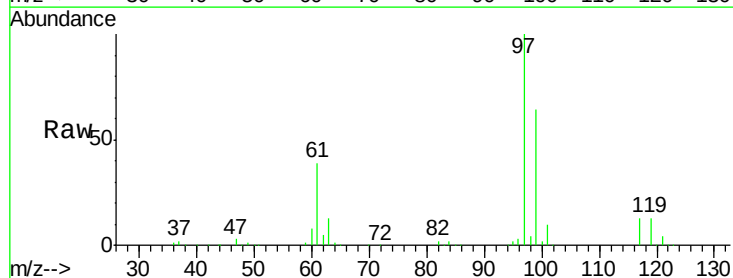
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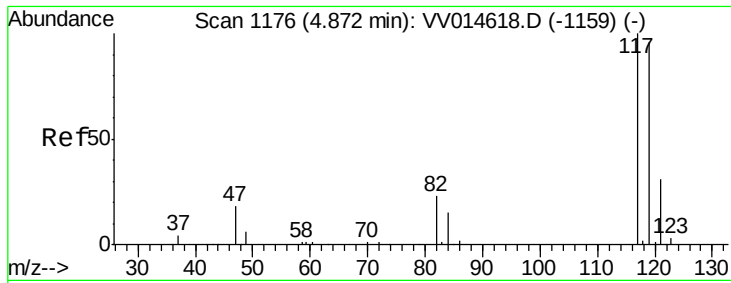
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#30
1,1,1-Trichloroethane
Concen: 123.323 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV014640.D
Acq: 20 Feb 2020 21:41

Tgt Ion	97	Resp	351410
Ion Ratio	100	Lower	Upper
99	63.6	51.2	76.8
61	39.5	32.4	48.6





#31

Carbon tetrachloride

Concen: 8.405 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VV014640.D

Acq: 20 Feb 2020 21:41

Instrument :

MSVOA_V

ClientSampled :

C0AQ4

Tot Ion:117 Resp: 21625

Ion Ratio Lower Upper

117 100

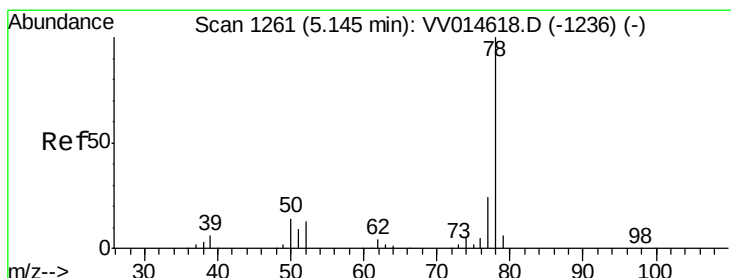
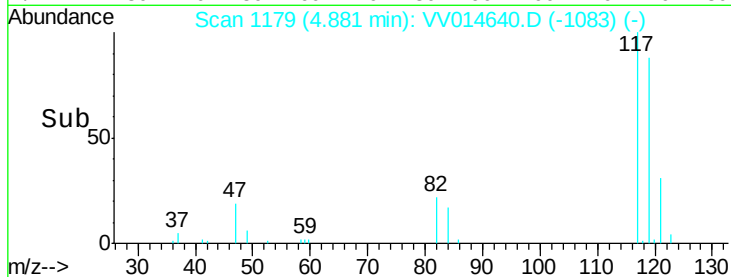
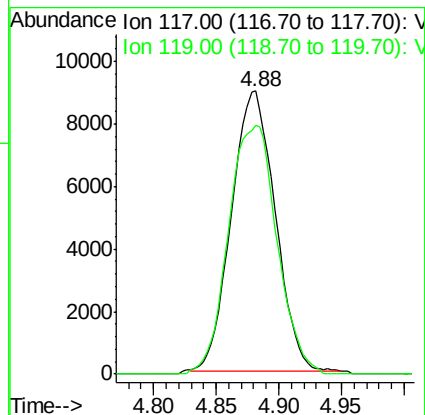
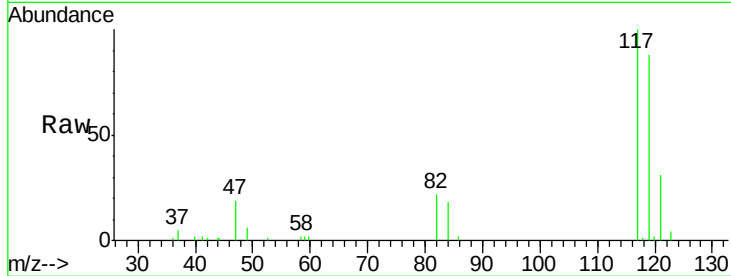
119 98.8 77.6 116.4

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#33

Benzene

Concen: 2.215 ug/L

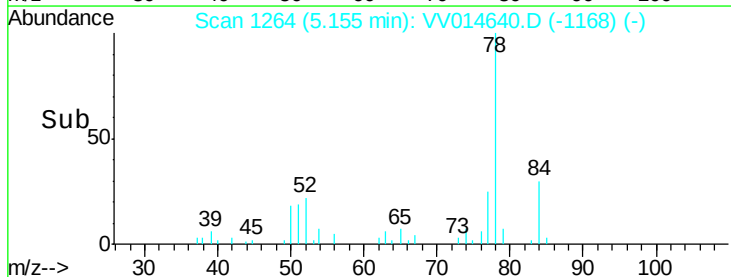
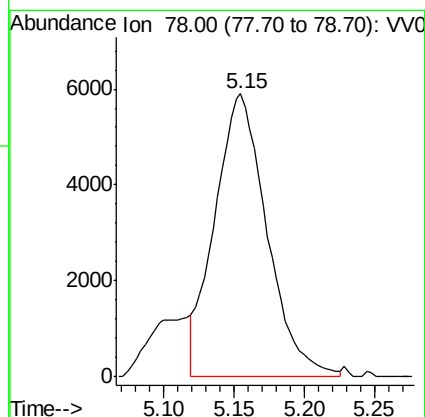
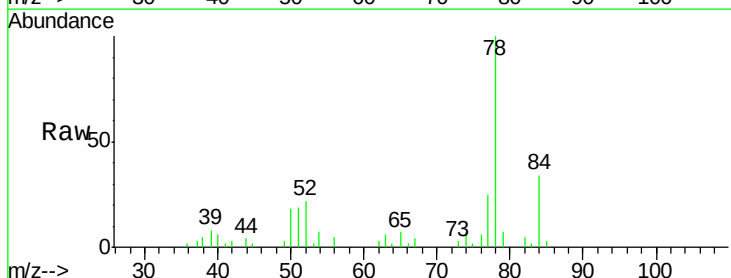
RT: 5.15 min Scan# 1264

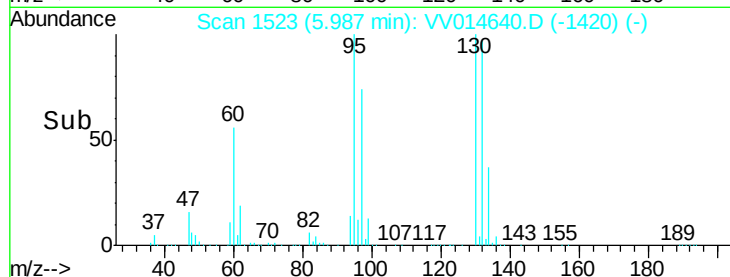
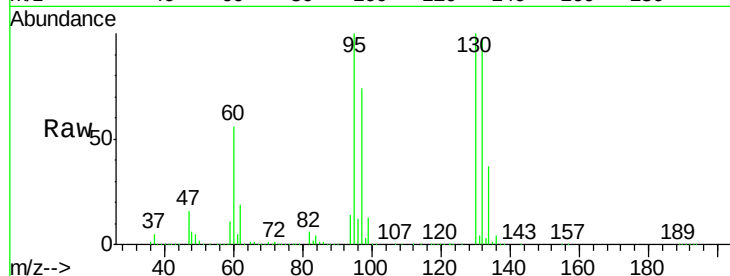
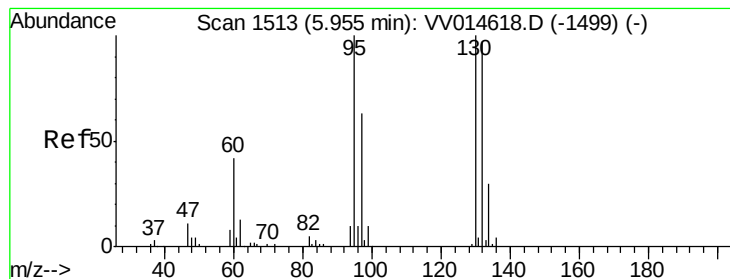
Delta R.T. 0.01 min

Lab File: VV014640.D

Acq: 20 Feb 2020 21:41

Tgt Ion: 78 Resp: 15230





#34

Trichloroethene

Concen: 28814.523 ug/L m

RT: 5.99 min Scan# 1523

Delta R.T. 0.03 min

Lab File: VV014640.D

Acq: 20 Feb 2020 21:41

Tot Ion: 95 Resp: 53474912

Ion Ratio Lower Upper

95 100

97 73.7 45.3 84.1

132 96.7 69.6 129.2

130 99.7 74.0 137.4

Instrument :

MSVOA_V

ClientSampleId :

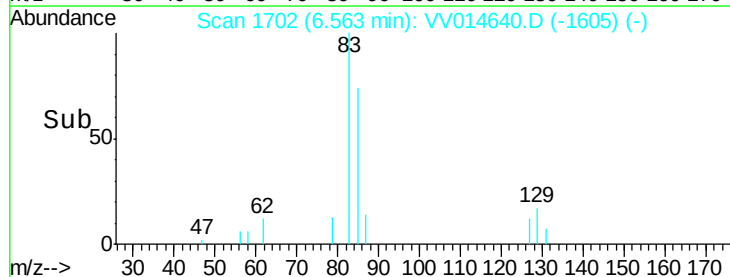
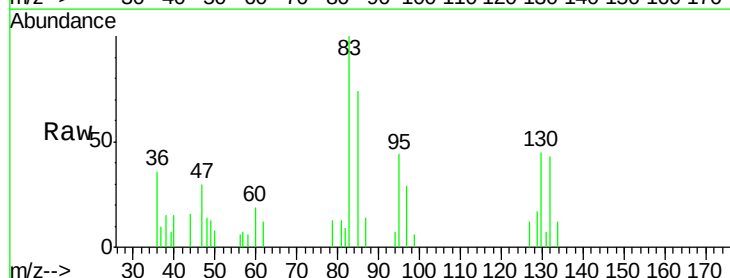
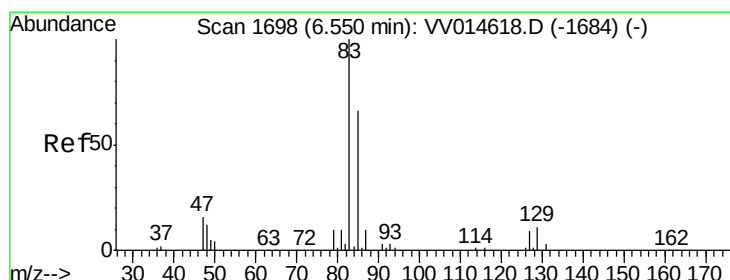
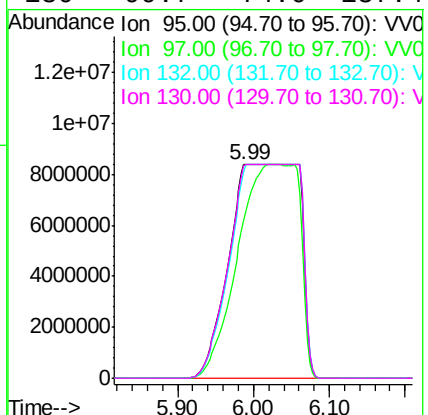
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#38

Bromodichloromethane

Concen: 1.481 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VV014640.D

Acq: 20 Feb 2020 21:41

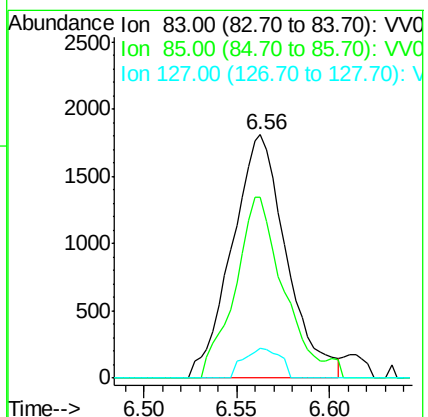
Tgt Ion: 83 Resp: 3688

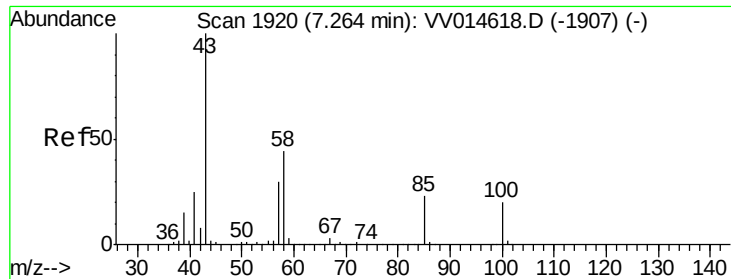
Ion Ratio Lower Upper

83 100

85 74.1 47.3 87.8

127 12.1 7.5 11.3#





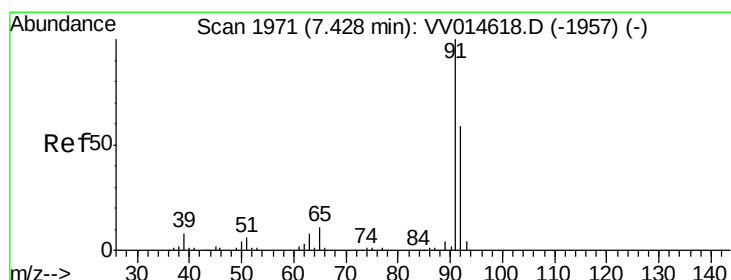
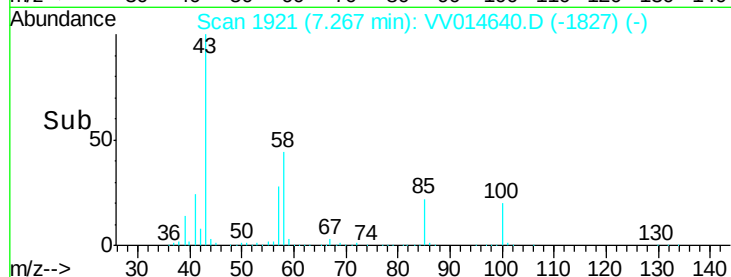
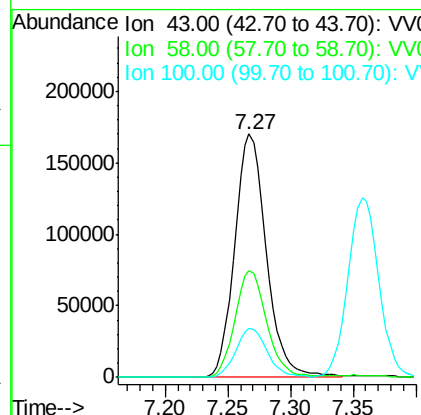
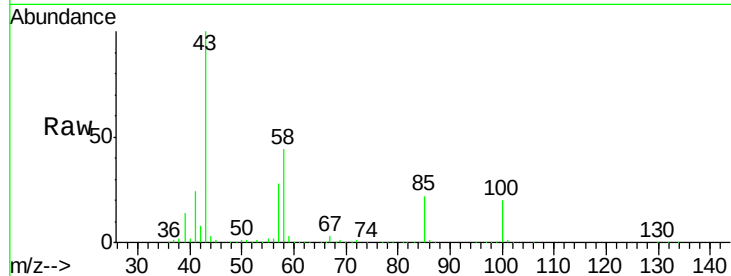
#40
4-Methyl-2-pentanone
Concen: 142.213 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VV014640.D
Acq: 20 Feb 2020 21:41

Instrument :
MSVOA_V
ClientSampleId :
C0AQ4

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.1	35.0	52.6
100	20.1	15.7	23.5

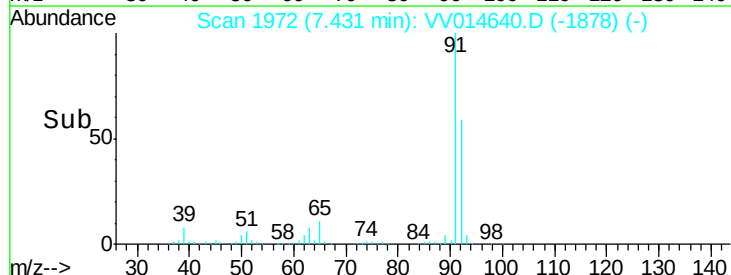
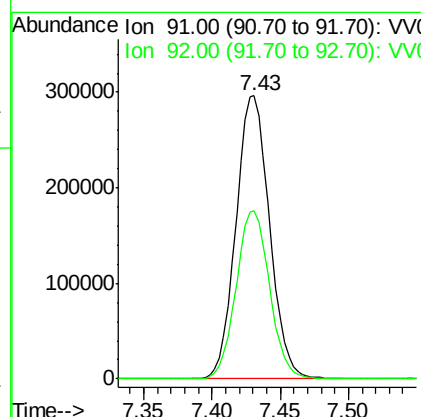
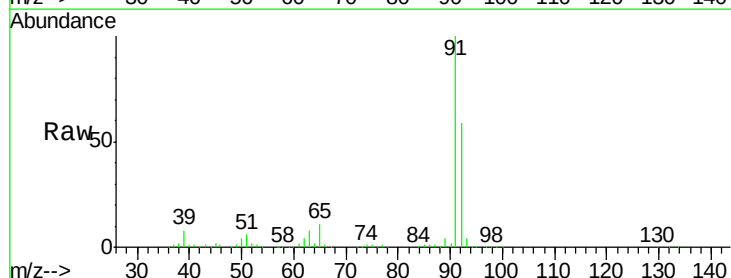
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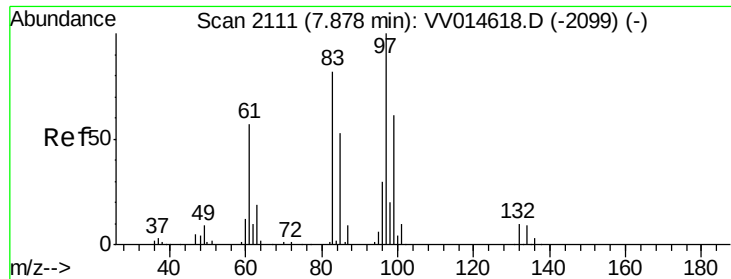
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#42
Toluene
Concen: 67.586 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV014640.D
Acq: 20 Feb 2020 21:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.5	40.9	76.0





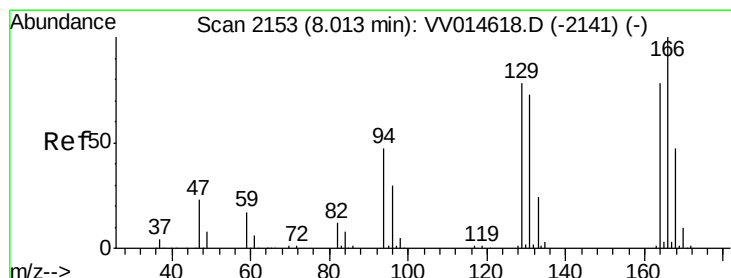
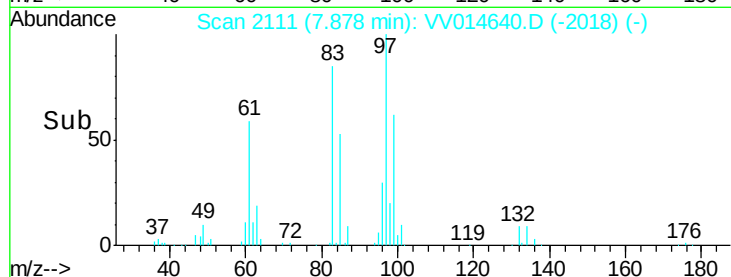
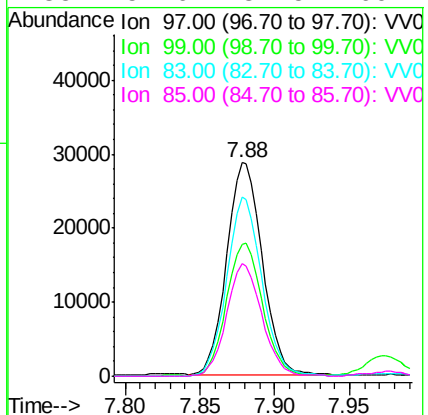
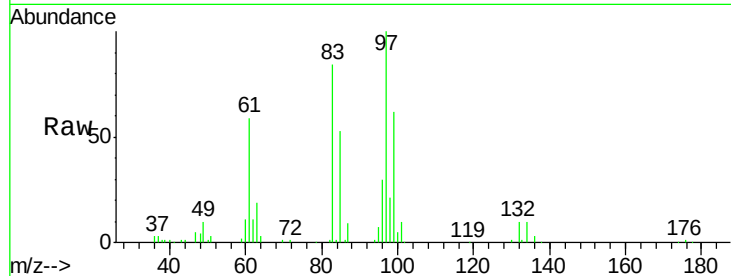
#45
1,1,2-Trichloroethane
Concen: 27.305 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV014640.D
Acq: 20 Feb 2020 21:41

Instrument :
MSVOA_V
ClientSampleId :
C0AQ4

Tot Ion	97	Resp	47897
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.9	83.3
83	84.1	57.5	106.7
85	52.6	37.5	69.7

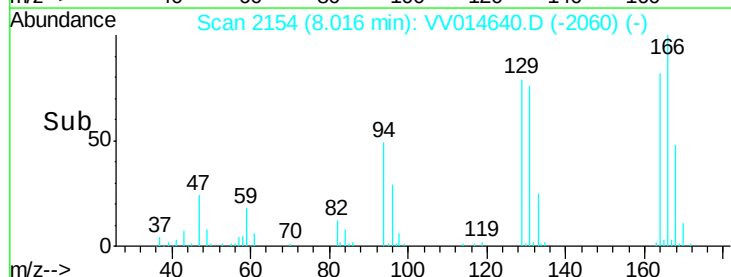
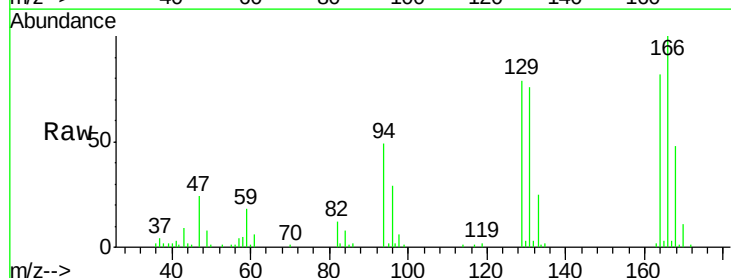
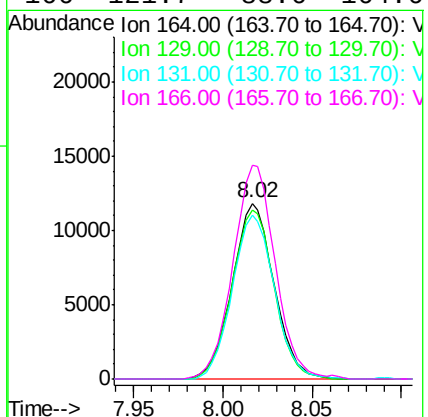
Manual Integrations
APPROVED

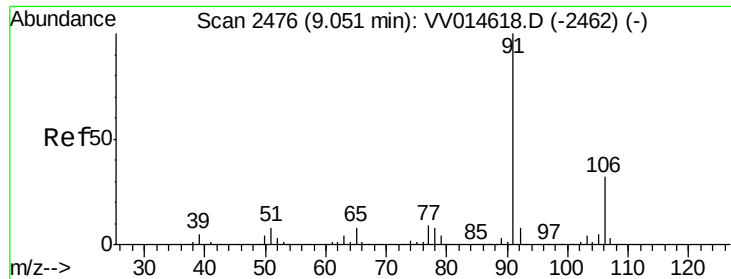
MMDadoda
2/24/2020 4:13:13 PM



#46
Tetrachloroethene
Concen: 13.237 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV014640.D
Acq: 20 Feb 2020 21:41

Tgt Ion	164	Resp	19317
Ion	Ratio	Lower	Upper
164	100		
129	95.9	67.8	126.0
131	93.0	64.5	119.9
166	121.7	88.6	164.6





#52

Ethylbenzene

Concen: 0.741 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV014640.D

Acq: 20 Feb 2020 21:41

Instrument :

MSVOA_V

ClientSampleId :

C0AQ4

Tot Ion: 91 Resp: 6303

Ion Ratio Lower Upper

91 100

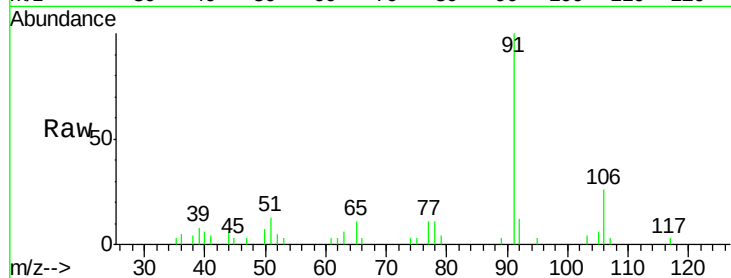
106 26.2 22.3 41.5

Manual Integrations

APPROVED

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2/24/2020 4:13:13 PM



Abundance Ion 91.00 (90.70 to 91.70): VV014618.D (-2462) (-)

Ion 106.00 (105.70 to 106.70): VV014618.D (-2462) (-)

9.05

4000

3000

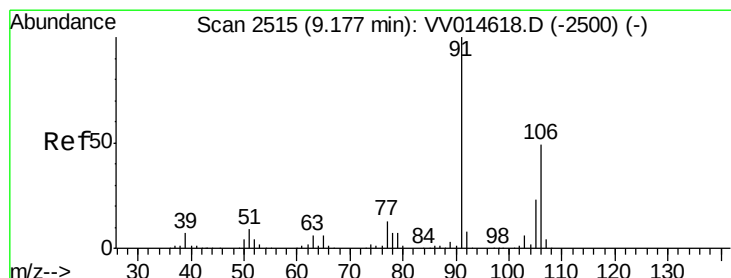
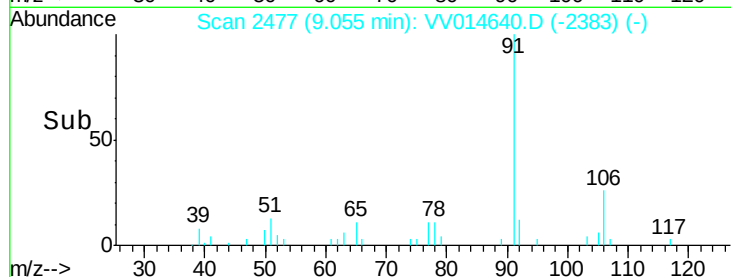
2000

1000

0

9.00 9.05 9.10

Time-->



#53

m,p-Xylene

Concen: 0.939 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014640.D

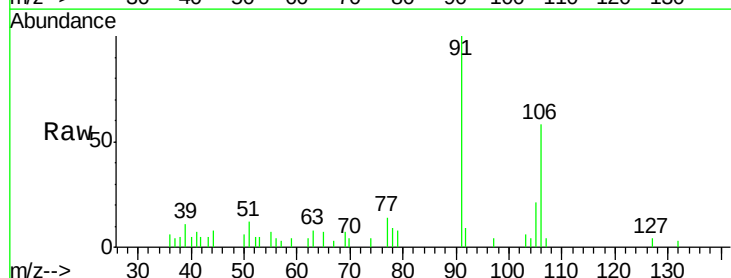
Acq: 20 Feb 2020 21:41

Tgt Ion: 106 Resp: 3117

Ion Ratio Lower Upper

106 100

91 173.7 142.4 264.4



Abundance Ion 106.00 (105.70 to 106.70): VV014618.D (-2500) (-)

Ion 91.00 (90.70 to 91.70): VV014618.D (-2500) (-)

9.18

4000

3000

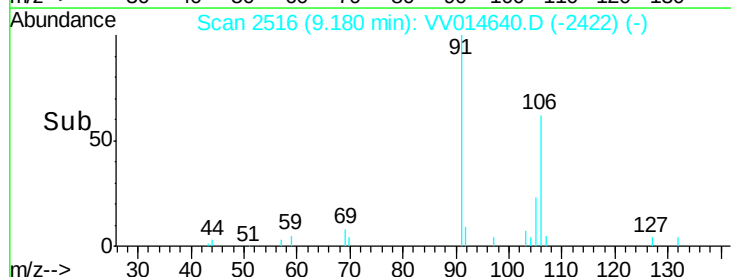
2000

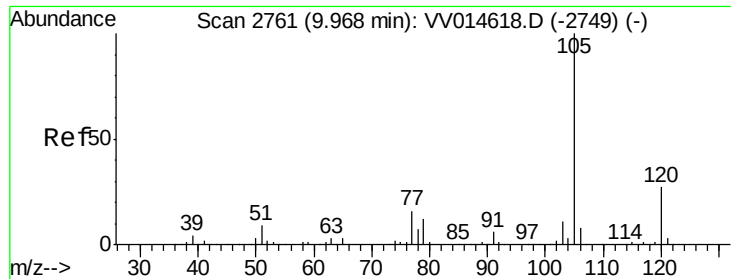
1000

0

9.15 9.20

Time-->





#56

Isopropylbenzene

Concen: 3.646 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014640.D

Acq: 20 Feb 2020 21:41

Instrument :
MSVOA_V
ClientSampleId :
C0AQ4

Tot Ion:	105	Resp:	30788
Ion Ratio	Lower	Upper	
105	100		
120	27.3	21.5	32.3
77	17.4	12.2	18.2

Manual Integrations
APPROVED

MMDadoda
2/24/2020 4:13:13 PM

