

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030920\
 Data File : VV014780.D
 Acq On : 09 Mar 2020 16:36
 Operator : SY/MD
 Sample : L1834-19
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL2

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 9:41:27 AM

Quant Time: Mar 11 04:15:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 10 14:44:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	436521	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	443683	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.28	152	253106	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	124097	42.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.02%
7) Chloroethane-d5	1.58	69	102218	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.54%
11) 1,1-Dichloroethene-d2	2.12	63	164963	33.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.22%
21) 2-Butanone-d5	3.94	46	197806	89.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.78%
24) Chloroform-d	4.38	84	312684	55.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	5.06	65	176254	46.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.78%
32) Benzene-d6	5.08	84	558539	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
36) 1,2-Dichloropropane-d6	6.10	67	169398	43.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.26%
41) Toluene-d8	7.34	98	523321	45.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.22%
43) trans-1,3-Dichloropropene-	7.64	79	84403	44.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.04%
47) 2-Hexanone-d5	8.12	63	161848	93.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.88%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	234993	44.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	11.66	152	243352	48.51	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.02%

Target Compounds

					Ovalue
13) Acetone	2.22	43	7873	4.280 ug/L	50
16) Methylene chloride	2.52	84	2406m	0.747 ug/L	
25) Chloroform	4.41	83	1170068	197.391 ug/L	100
31) Carbon tetrachloride	4.86	117	56969	13.040 ug/L	100
33) Benzene	5.12	78	27651430m	2151.246 ug/L	
34) Trichloroethene	5.95	95	4581	1.364 ug/L	93
38) Bromodichloromethane	6.53	83	8457	1.914 ug/L	98
46) Tetrachloroethene	8.00	164	2211	0.804 ug/L	78
51) Chlorobenzene	8.90	112	21748479m	2383.667 ug/L	
62) 1,3-Dichlorobenzene	11.21	146	6063484	740.823 ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	18023247m	2185.676 ug/L	
65) 1,2-Dichlorobenzene	11.67	146	20793587m	2551.779 ug/L	
67) 1,3,5-Trichlorobenzene	12.67	180	2827	0.447 ug/L	94
68) 1,2,4-trichlorobenzene	13.29	180	4678831	804.174 ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	2077384	358.212 ug/L	100

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Quant Title : VOC Analysis
QLast Update : Tue Mar 10 14:44:37 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

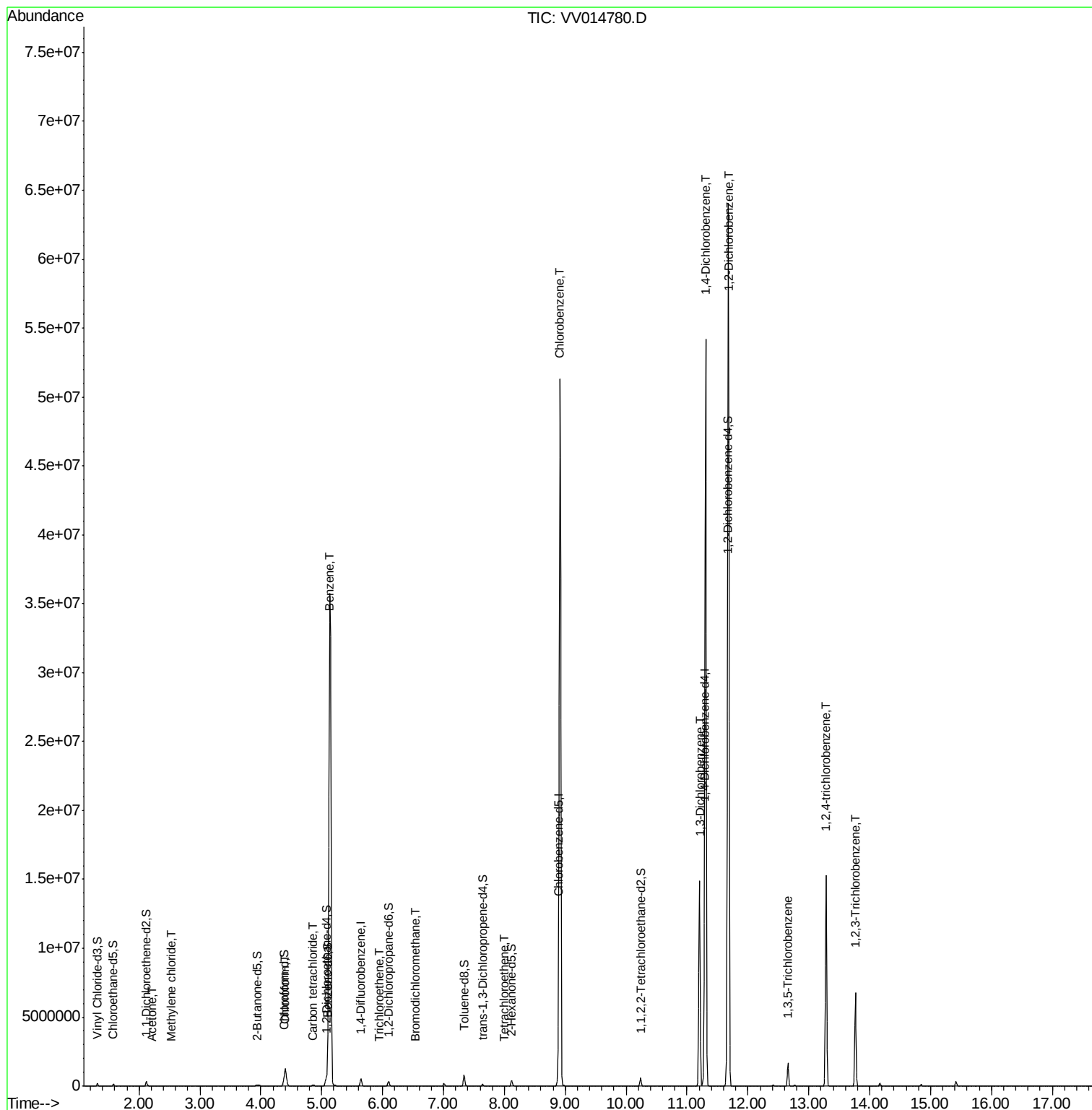
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030920\
Data File : VV014780.D
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Operator : SY/MD
Sample : L1834-19
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ALS Vial : 16 Sample Multiplier: 1

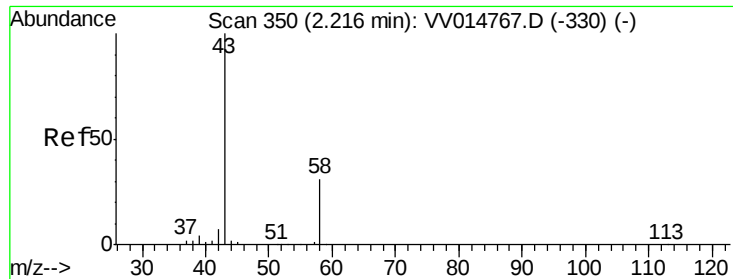
Instrument :
MSVOA_V
ClientSampleId :
C0DL2

Manual Integrations
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MMDadoda
3/11/2020 9:41:27 AM

Quant Time: Mar 11 04:15:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 4.280 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.01 min

Lab File: VV014780.D

Acq: 09 Mar 2020 16:36

Instrument :

MSVOA_V

ClientSampled :

C0DL2

Tot Ion: 43 Resp: 7873

Ion Ratio Lower Upper

43 100

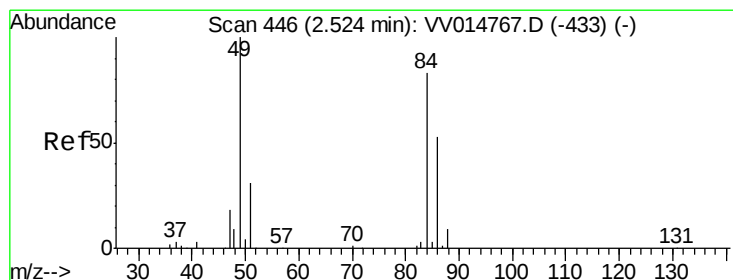
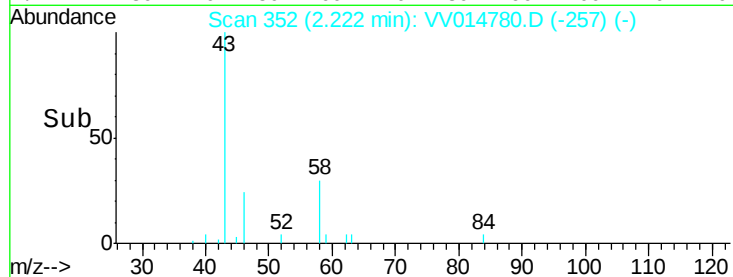
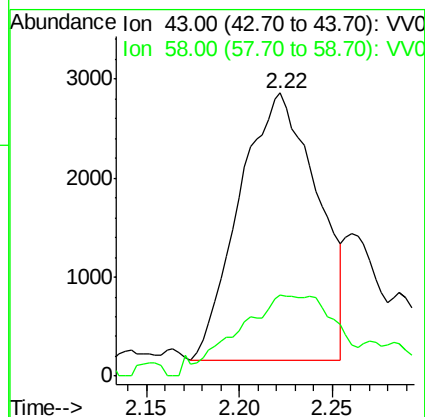
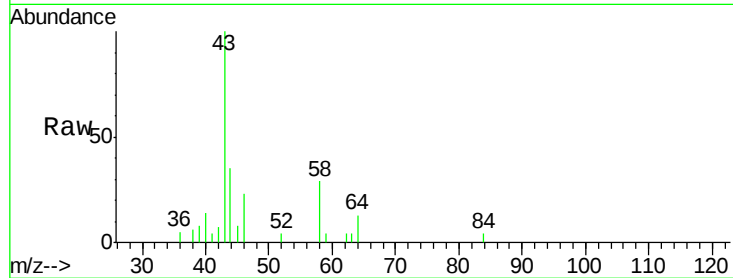
58 3.5 0.0 62.2

Manual Integrations

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3/11/2020 9:41:27 AM



#16

Methylene chloride

Concen: 0.747 ug/L m

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV014780.D

Acq: 09 Mar 2020 16:36

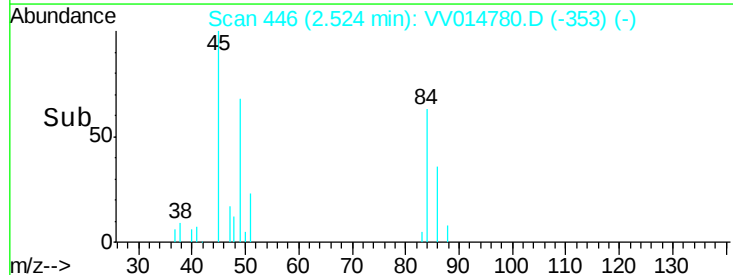
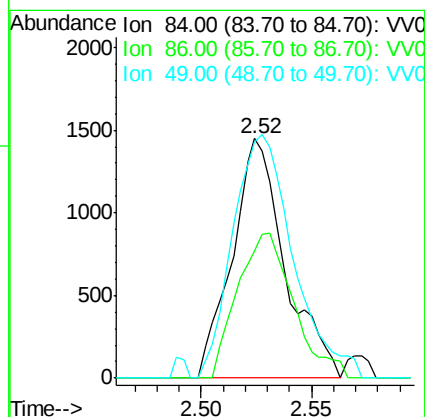
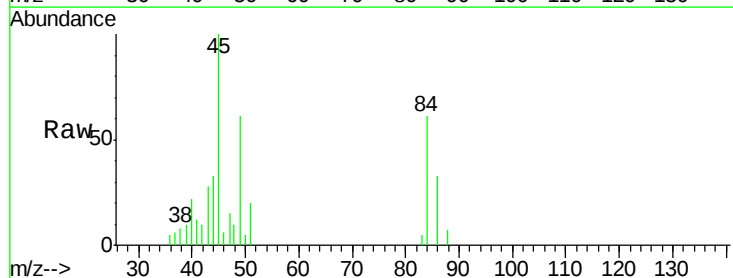
Tgt Ion: 84 Resp: 2406

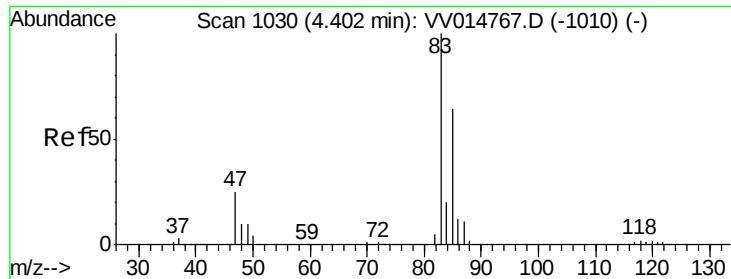
Ion Ratio Lower Upper

84 100

86 53.0 47.3 87.9

49 98.8 88.7 164.7





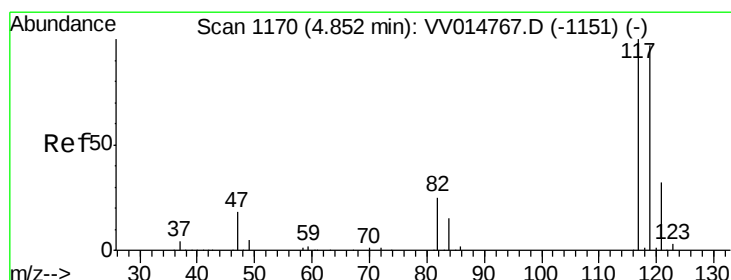
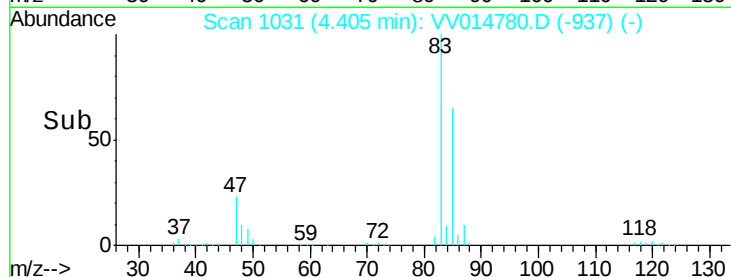
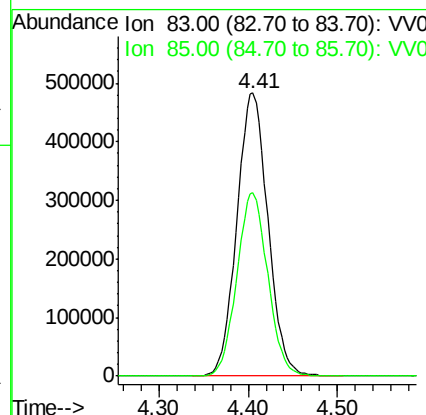
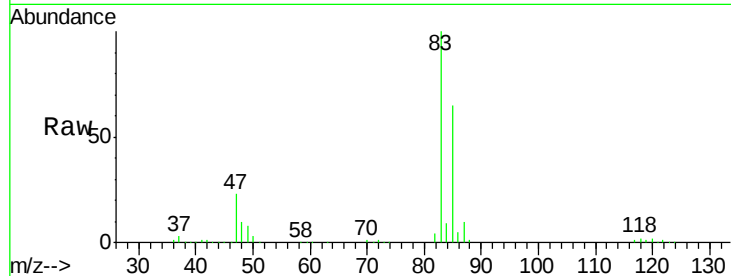
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Chloroform
Concen: 197.391 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV014780.D
Acq: 09 Mar 2020 16:36

Instrument :
MSVOA_V
ClientSampleId :
C0DL2

Tot Ion: 83 Resp: 1170068
Ion Ratio Lower Upper
83 100
85 64.8 45.1 83.9

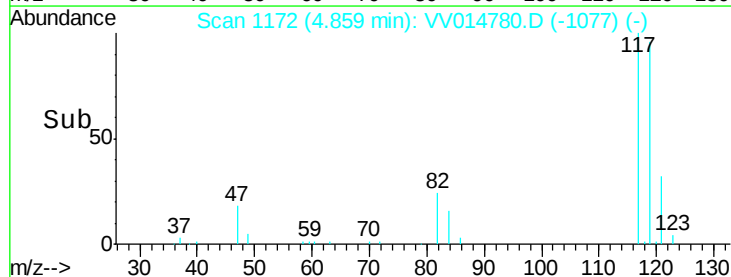
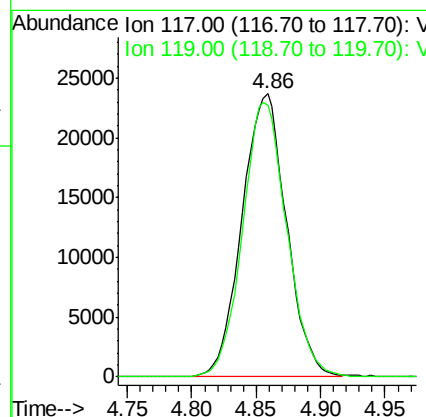
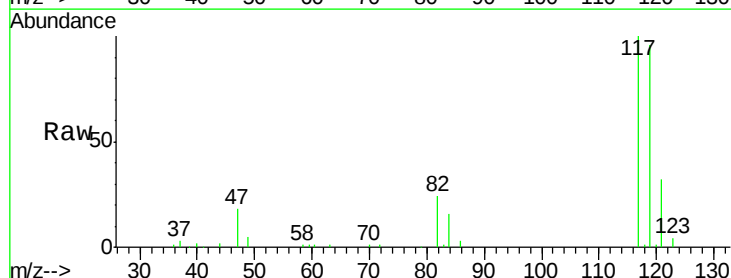
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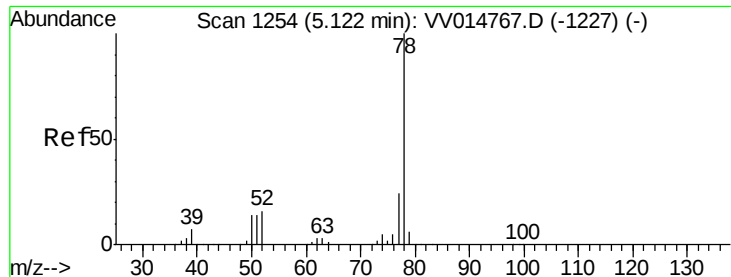
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#31
Carbon tetrachloride
Concen: 13.040 ug/L
RT: 4.86 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VV014780.D
Acq: 09 Mar 2020 16:36

Tgt Ion: 117 Resp: 56969
Ion Ratio Lower Upper
117 100
119 96.1 76.5 114.7





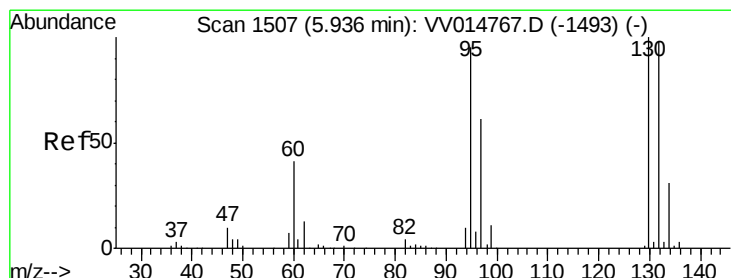
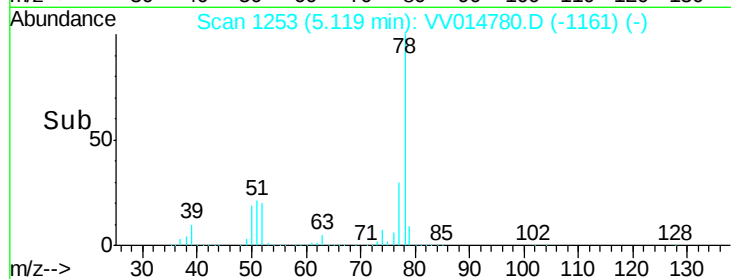
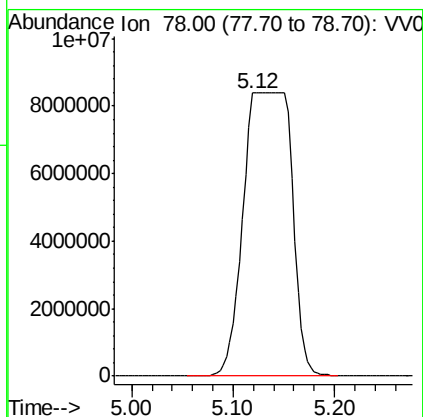
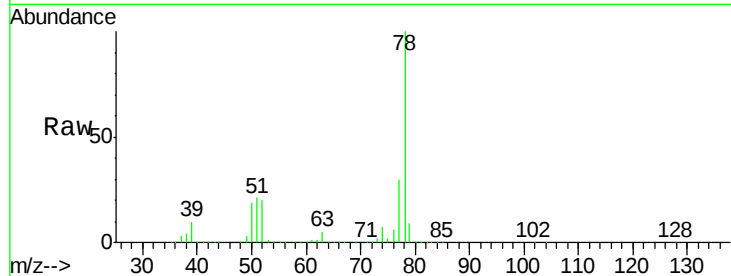
#33
Benzene
Concen: 2151.246 ug/L m
RT: 5.12 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VV014780.D
Acq: 09 Mar 2020 16:36

Instrument :
MSVOA_V
ClientSampleId :
C0DL2

Tgt Ion: 78 Resp:27651430

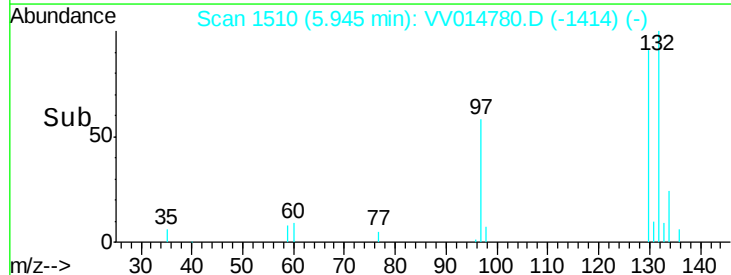
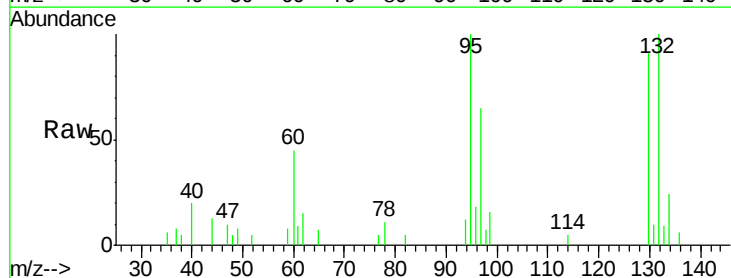
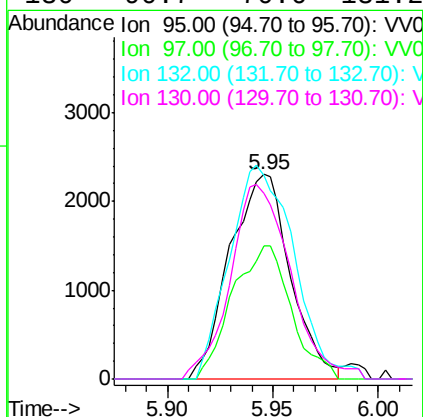
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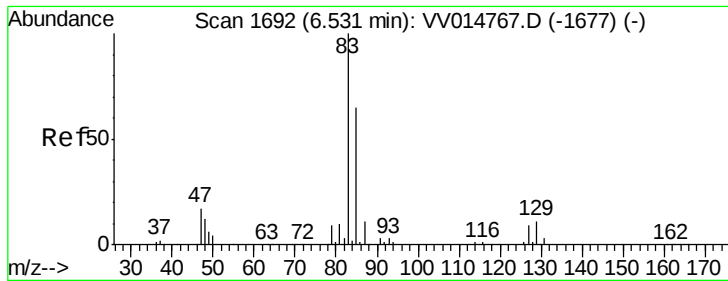
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#34
Trichloroethene
Concen: 1.364 ug/L
RT: 5.95 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VV014780.D
Acq: 09 Mar 2020 16:36

Tgt Ion: 95 Resp: 4581
Ion Ratio Lower Upper
95 100
97 64.9 43.8 81.4
132 99.6 65.8 122.2
130 90.7 70.6 131.2





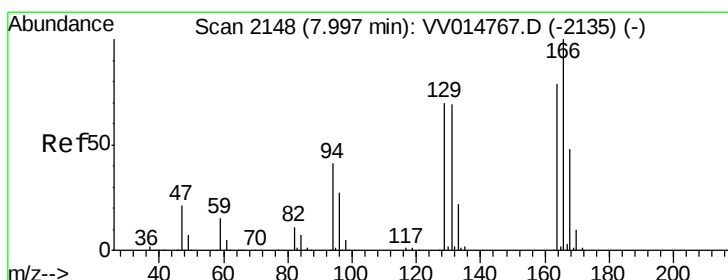
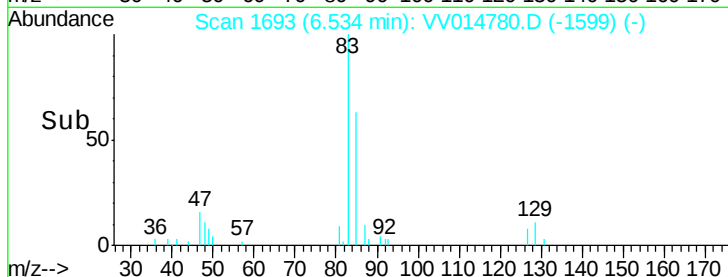
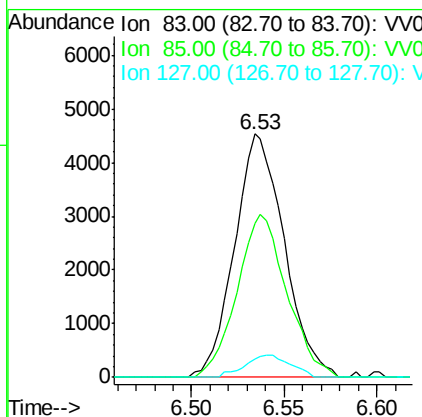
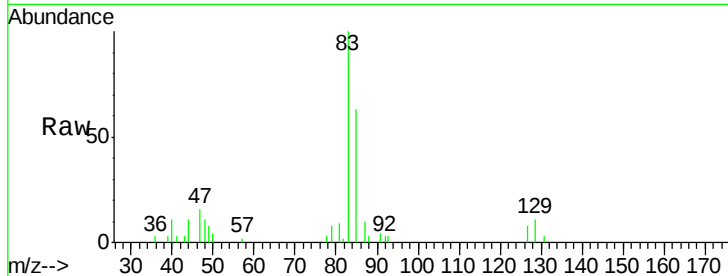
#38
Bromodichloromethane
Concen: 1.914 ug/L
RT: 6.53 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VV014780.D
Acq: 09 Mar 2020 16:36

Instrument :
MSVOA_V
ClientSampleId :
C0DL2

Tot Ion:	83	Resp:	8457
Ion Ratio	Lower	Upper	
83	100		
85	63.2	45.1	83.7
127	7.7	6.7	10.1

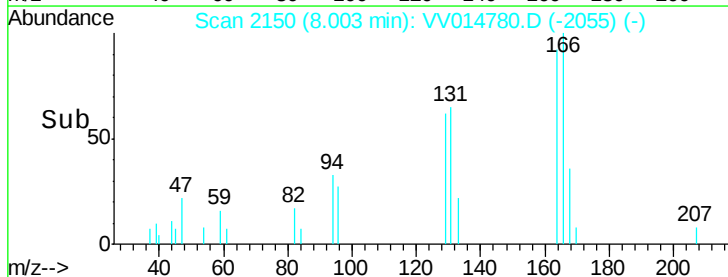
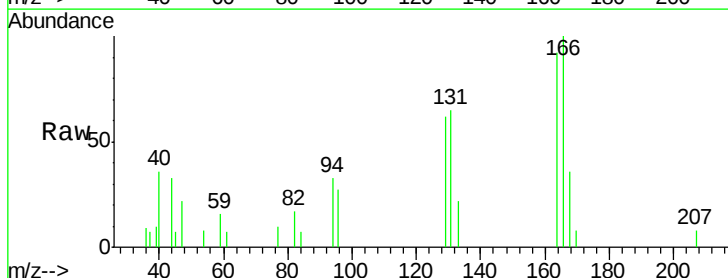
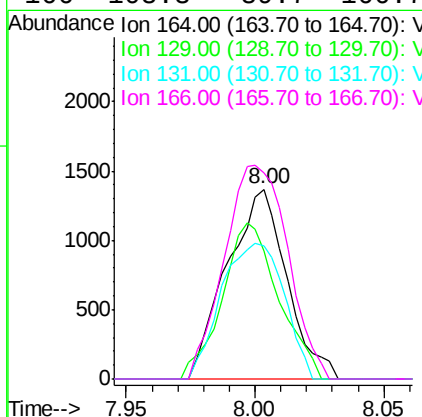
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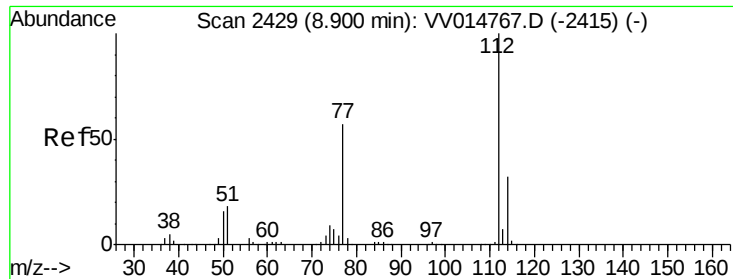
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3/11/2020 9:41:27 AM



#46
Tetrachloroethene
Concen: 0.804 ug/L
RT: 8.00 min Scan# 2150
Delta R.T. 0.01 min
Lab File: VV014780.D
Acq: 09 Mar 2020 16:36

Tgt Ion:	164	Resp:	2211
Ion Ratio	Lower	Upper	
164	100		
129	67.6	66.0	122.6
131	70.3	63.9	118.7
166	108.3	89.7	166.7





#51

Chlorobenzene

Concen: 2383.667 ug/L m

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014780.D

Acq: 09 Mar 2020 16:36

Instrument :

MSVOA_V

ClientSampled :

C0DL2

Tot Ion:112 Resp:21748479

Ion Ratio Lower Upper

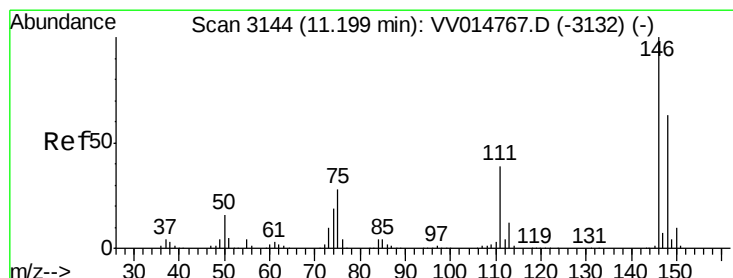
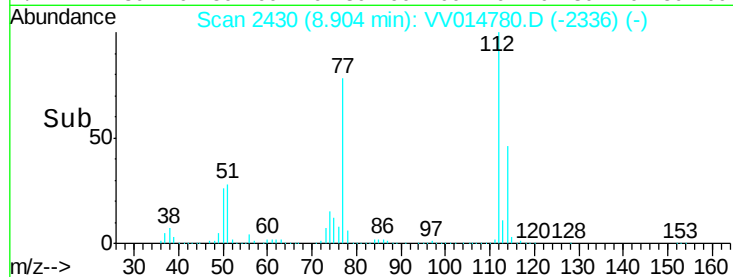
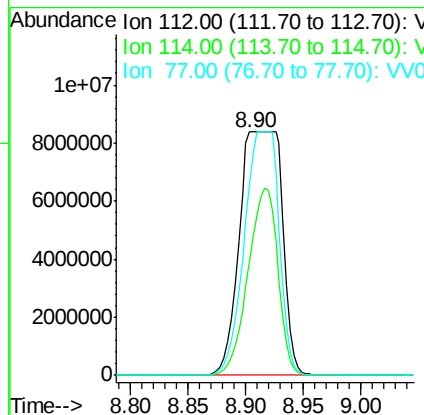
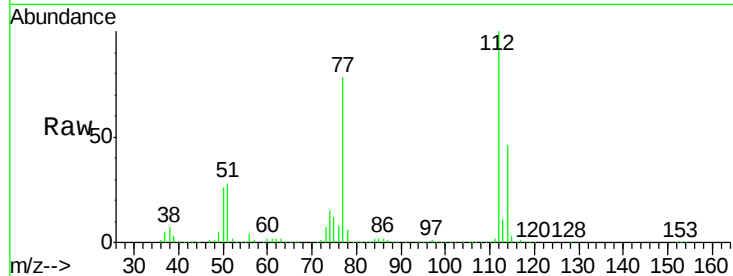
112 100

114 46.4 22.1 41.1#

77 77.8 47.8 71.8#

Manual Integrations
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#62

1,3-Dichlorobenzene

Concen: 740.823 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.01 min

Lab File: VV014780.D

Acq: 09 Mar 2020 16:36

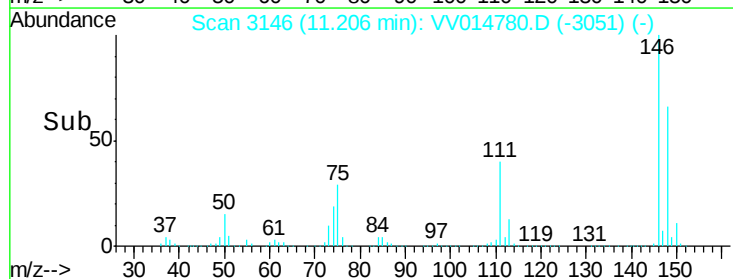
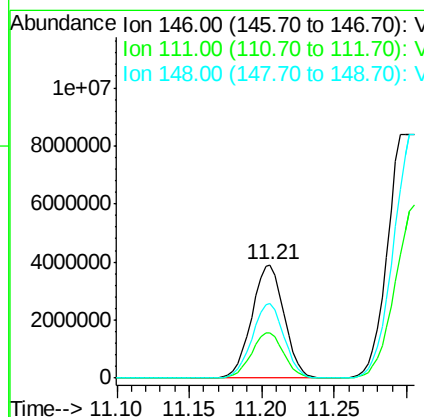
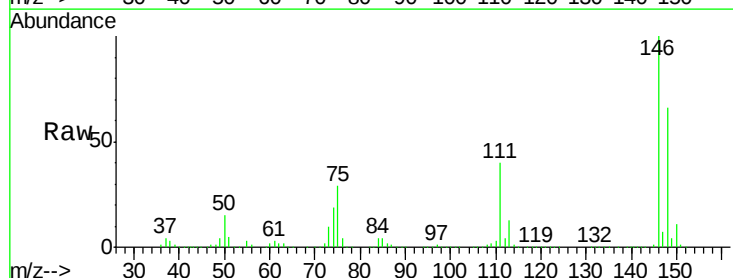
Tgt Ion:146 Resp: 6063484

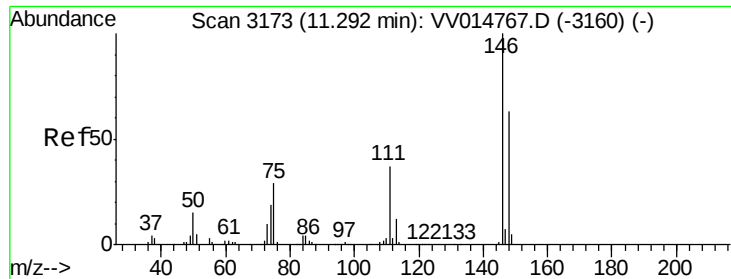
Ion Ratio Lower Upper

146 100

111 40.3 27.2 50.4

148 65.8 44.2 82.2





#63

1,4-Dichlorobenzene

Concen: 2185.676 ug/L m

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV014780.D

Acq: 09 Mar 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :

C0DL2

Tot Ion:146 Resp:18023247

Ion Ratio Lower Upper

146 100

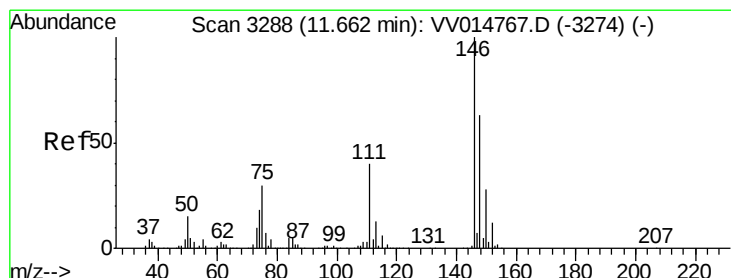
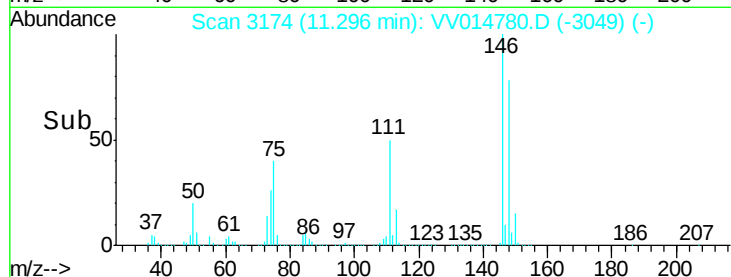
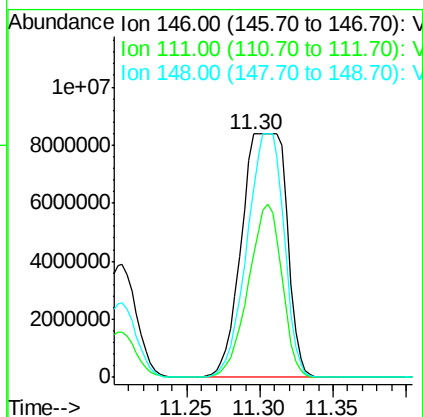
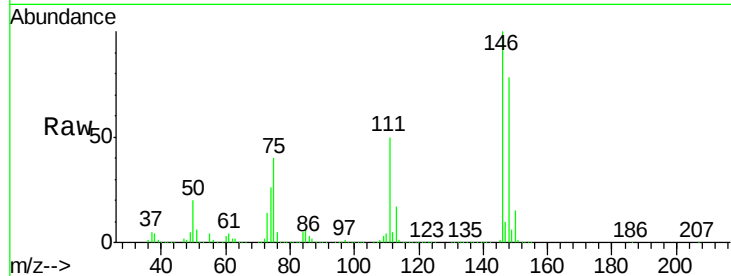
111 50.5 26.3 48.9#

148 77.7 44.0 81.8

Manual Integrations
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3/11/2020 9:41:27 AM



#65

1,2-Dichlorobenzene

Concen: 2551.779 ug/L m

RT: 11.67 min Scan# 3290

Delta R.T. 0.01 min

Lab File: VV014780.D

Acq: 09 Mar 2020 16:36

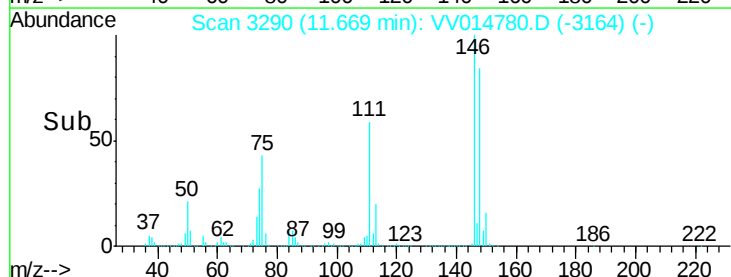
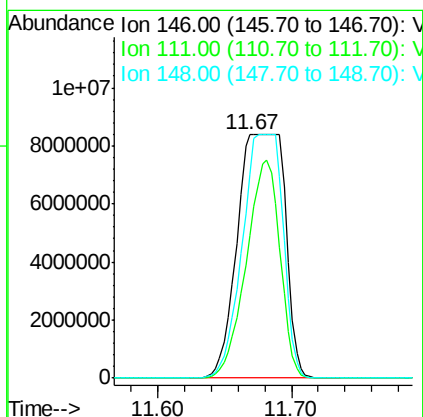
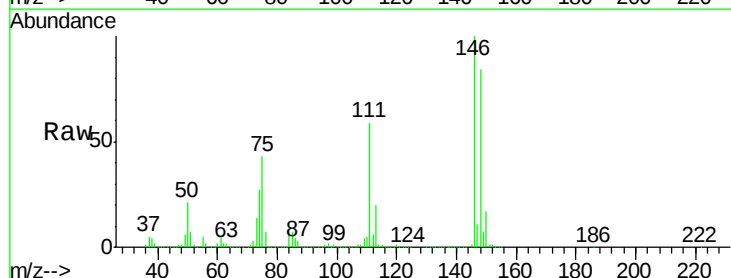
Tgt Ion:146 Resp:20793587

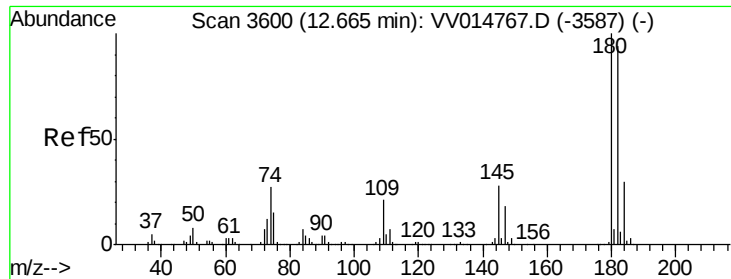
Ion Ratio Lower Upper

146 100

111 58.5 33.9 50.9#

148 83.6 51.4 77.0#





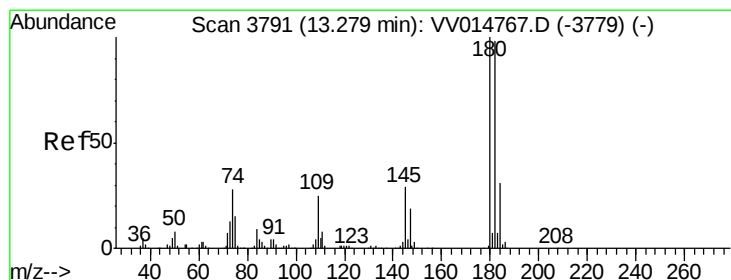
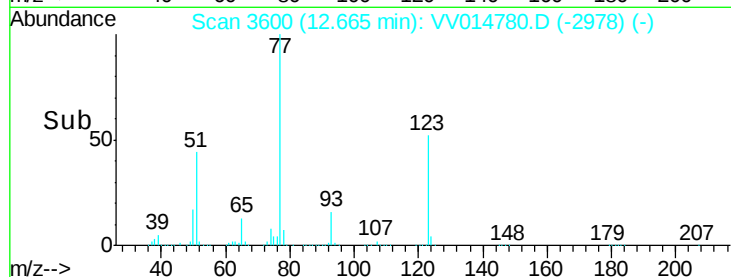
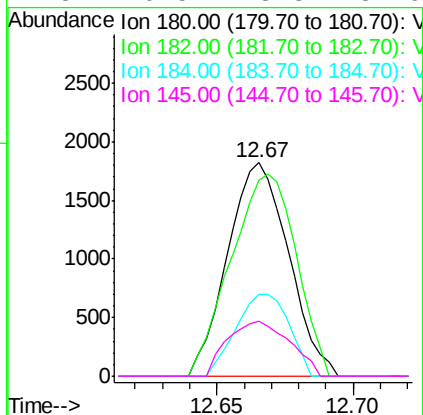
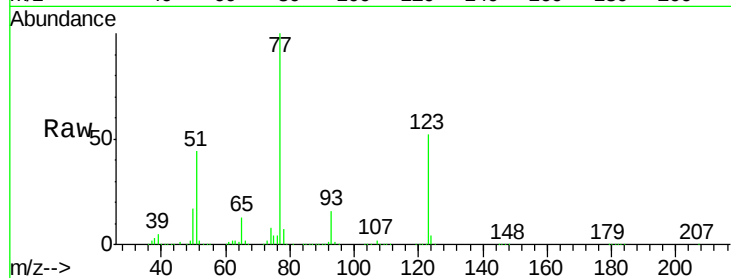
#67
 1,3,5-Trichlorobenzene
 Concen: 0.447 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV014780.D
 Acq: 09 Mar 2020 16:36

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL2

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.9	75.6	113.4
184	33.4	24.8	37.2
145	26.5	23.3	34.9

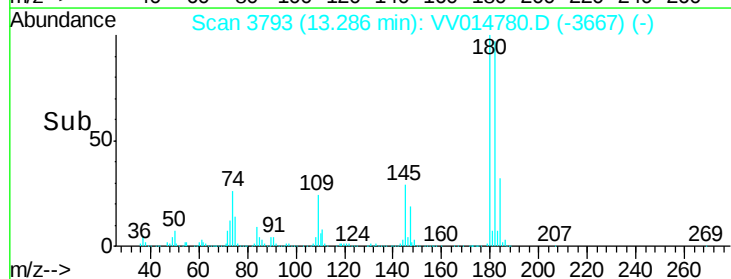
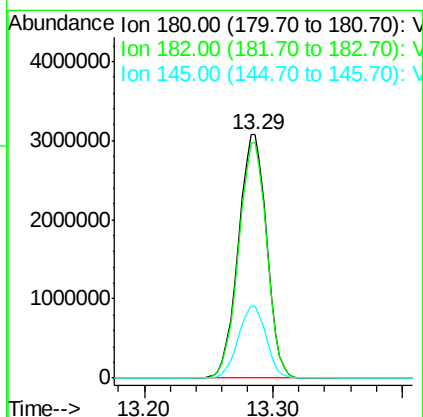
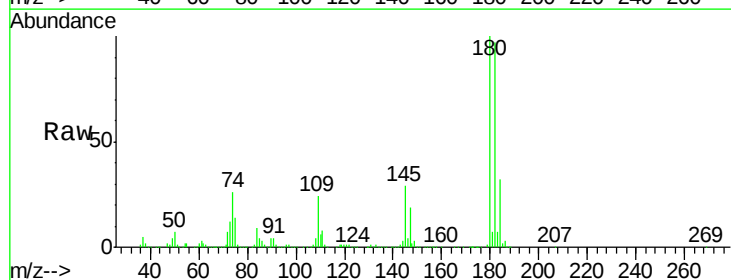
Manual Integrations
 APPROVED

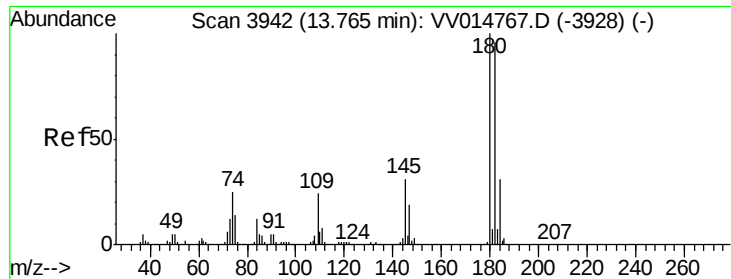
MMDadoda
 3/11/2020 9:41:27 AM



#68
 1,2,4-trichlorobenzene
 Concen: 804.174 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.01 min
 Lab File: VV014780.D
 Acq: 09 Mar 2020 16:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	114.8
145	29.3	23.4	35.0





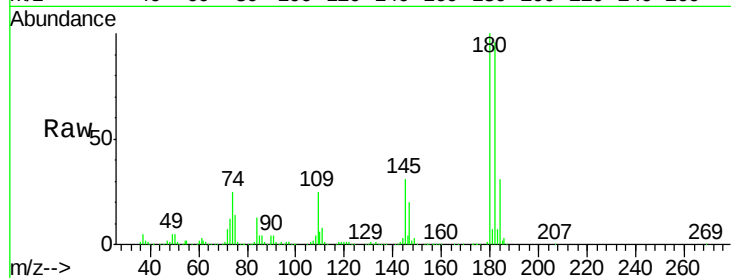
#70
 1,2,3-Trichlorobenzene
 Concen: 358.212 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV014780.D
 Acq: 09 Mar 2020 16:36

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL2

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.5	114.7
145	31.0	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 9:41:27 AM



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

