

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031820\
 Data File : VV015037.D
 Acq On : 19 Mar 2020 00:51
 Operator : SY/MD
 Sample : L1941-17
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL7

Manual Integrations
 APPROVED

sam
 3/19/2020 11:30:58 AM

Quant Time: Mar 19 06:05:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 19 04:08:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	382132	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	382986	50.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	11.29	152	245367	50.00	ug/L	0.03

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78992	44.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.48%
7) Chloroethane-d5	1.58	69	62829	44.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.74%
11) 1,1-Dichloroethene-d2	2.12	63	101298	33.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.38%
21) 2-Butanone-d5	3.93	46	105836m	87.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.43%
24) Chloroform-d	4.38	84	193111	42.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.48%
26) 1,2-Dichloroethane-d4	5.06	65	129539	45.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.04%
32) Benzene-d6	5.08	84	400705	44.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.18%
36) 1,2-Dichloropropane-d6	6.09	67	113356	42.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.26%
41) Toluene-d8	7.34	98	394726	43.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.28%
43) trans-1,3-Dichloropropene-	7.64	79	56937	40.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.12%
47) 2-Hexanone-d5	8.12	63	100519	82.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.04%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	167262	41.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	224990	45.68	ug/L	0.04
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.36%

Target Compounds

					Ovalue
25) Chloroform	4.40	83	30277	6.750 ug/L	97
29) Cyclohexane	4.70	56	9114	2.651 ug/L #	86
31) Carbon tetrachloride	4.86	117	63149	17.008 ug/L	97
33) Benzene	5.13	78	19480623	2077.885 ug/L	100
35) Methylcyclohexane	6.15	83	6635m	1.646 ug/L	
46) Tetrachloroethene	8.00	164	6245	2.590 ug/L	98
48) 2-Hexanone	8.12	43	10450	4.454 ug/L #	77
51) Chlorobenzene	8.90	112	27143389m	3642.573 ug/L	
62) 1,3-Dichlorobenzene	11.21	146	6136312	830.850 ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	30889137m	4017.952 ug/L	
65) 1,2-Dichlorobenzene	11.67	146	37226812m	4745.494 ug/L	
67) 1,3,5-Trichlorobenzene	12.67	180	10290	1.761 ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	18514656m	3440.509 ug/L	
70) 1,2,3-Trichlorobenzene	13.77	180	4938963	934.190 ug/L	98

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

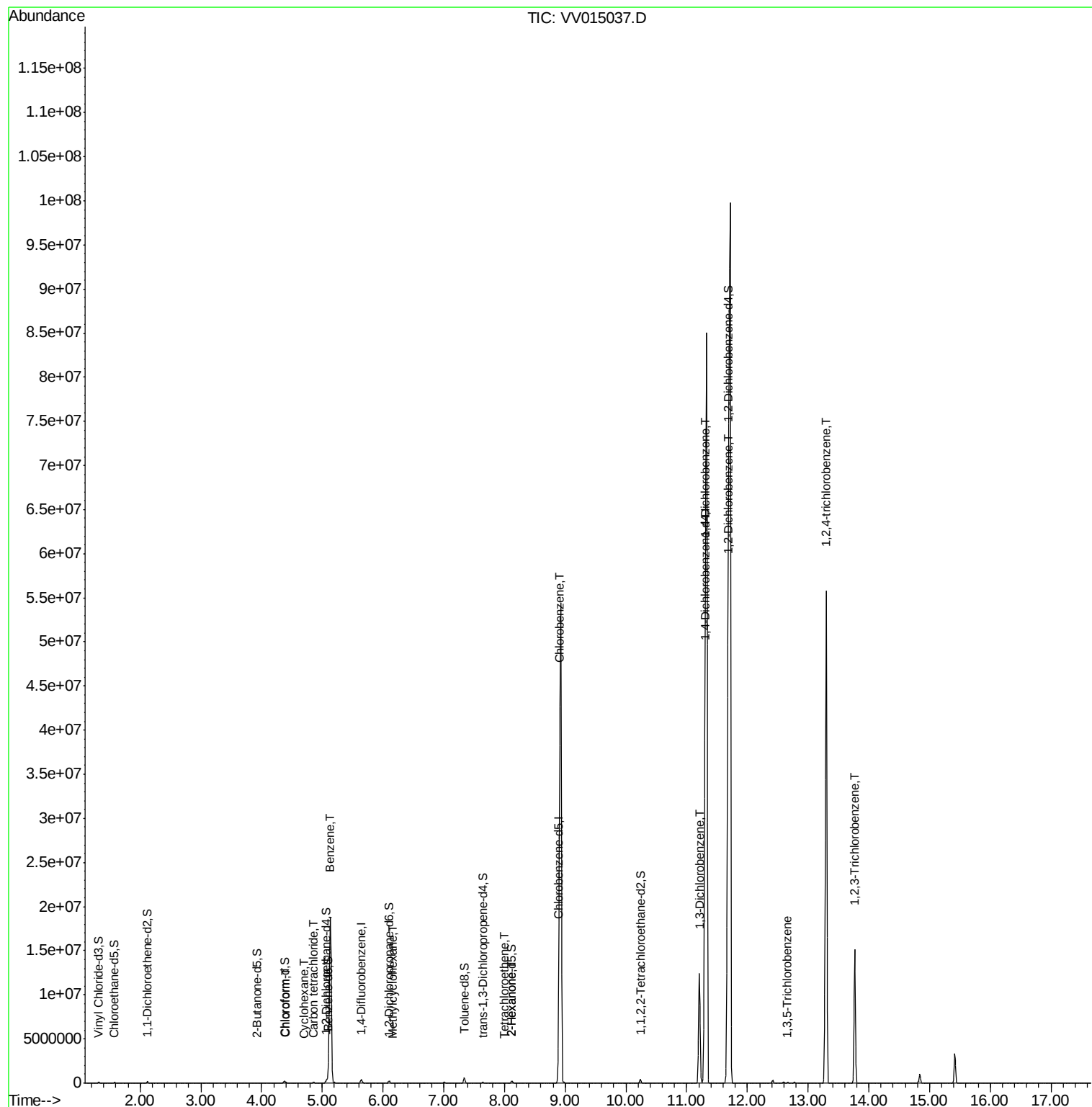
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV031820\
Data File : VV015037.D
Acq On : 19 Mar 2020 00:51
Operator : SY/MD
Sample : L1941-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 28 Sample Multiplier: 1

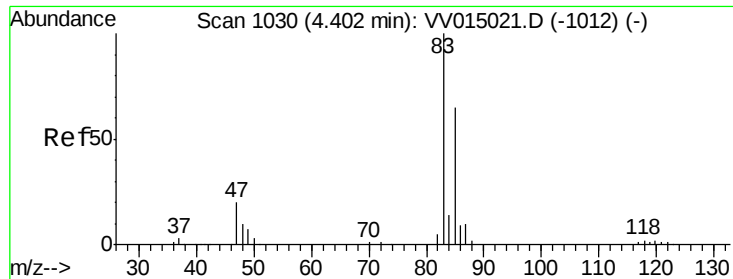
Instrument :
MSVOA_V
ClientSampleId :
C0DL7

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Quant Time: Mar 19 06:05:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration





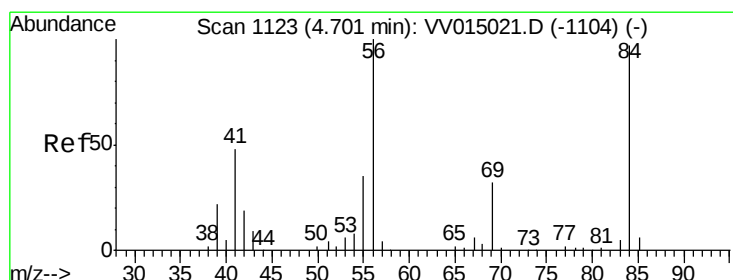
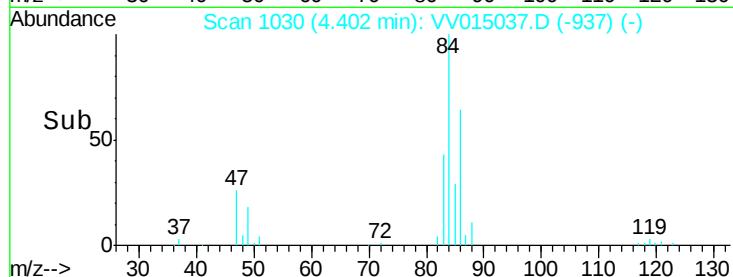
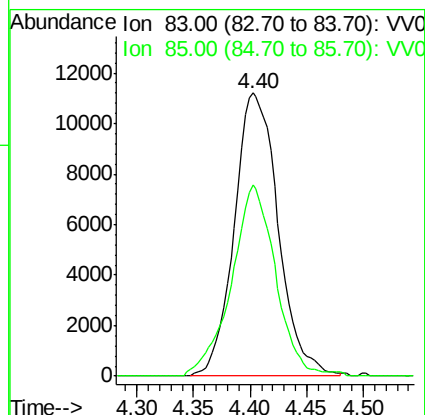
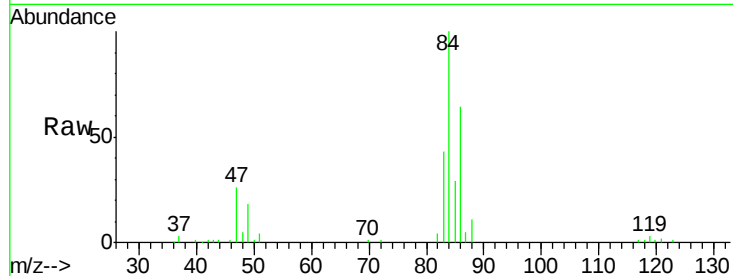
#25
Chloroform
Concen: 6.750 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015037.D
Acq: 19 Mar 2020 00:51

Instrument :
MSVOA_V
ClientSampleId :
C0DL7

Tot Ion	83	Resp	30277
Ion Ratio	100	Lower	Upper
85	67.6	45.4	84.4

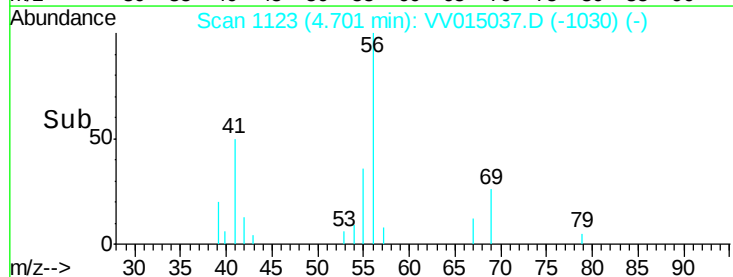
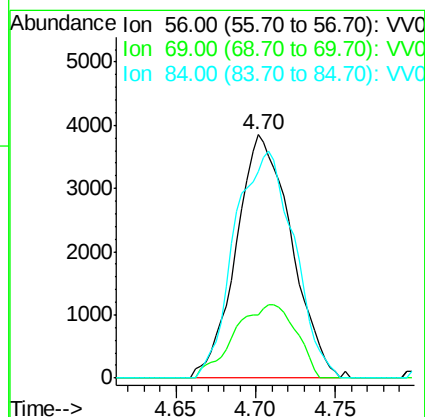
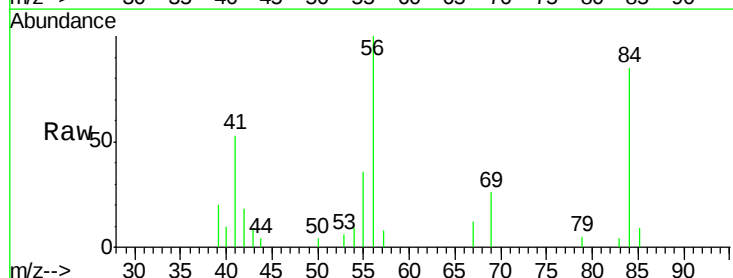
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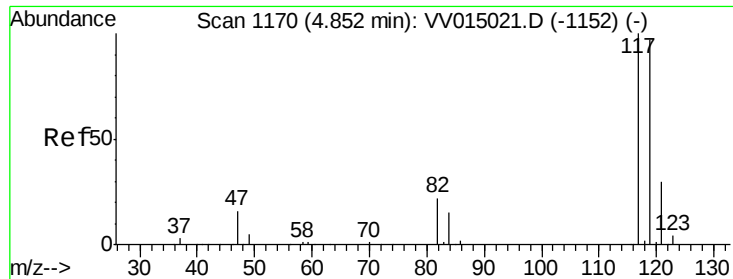
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#29
Cyclohexane
Concen: 2.651 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV015037.D
Acq: 19 Mar 2020 00:51

Tgt Ion	56	Resp	9114
Ion Ratio	100	Lower	Upper
69	0.0	25.8	38.6#
84	100.5	80.0	120.0





#31

Carbon tetrachloride

Concen: 17.008 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015037.D

Acq: 19 Mar 2020 00:51

Instrument :

MSVOA_V

ClientSampleId :

C0DL7

Tot Ion:117 Resp: 63149

Ion Ratio Lower Upper

117 100

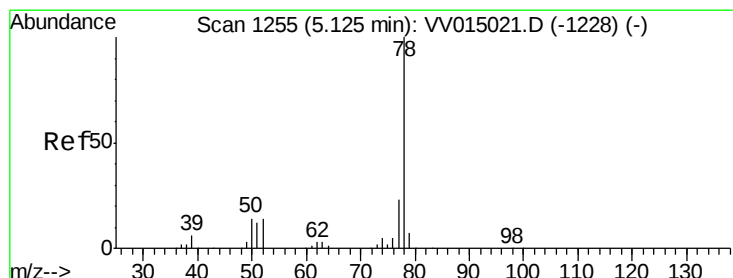
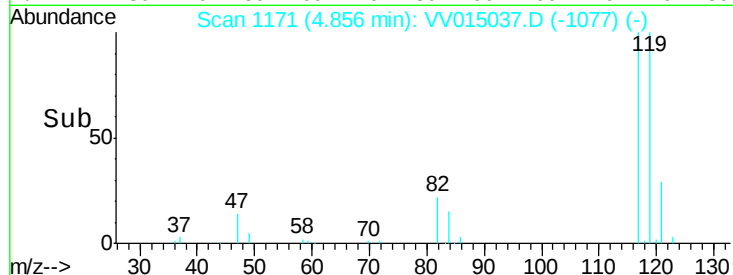
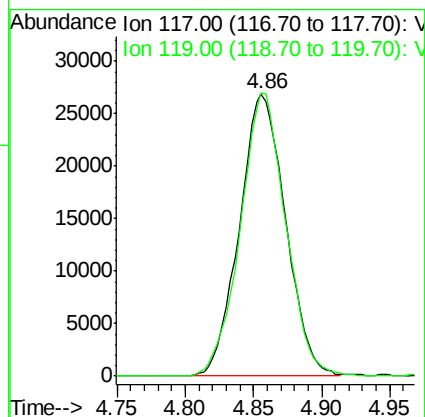
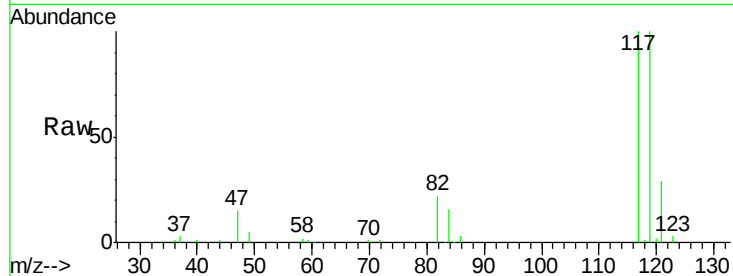
119 98.6 76.6 114.8

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#33

Benzene

Concen: 2077.885 ug/L

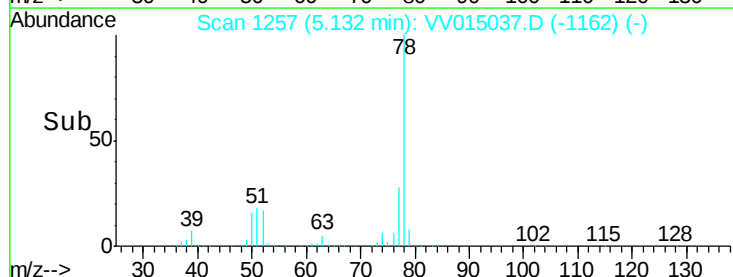
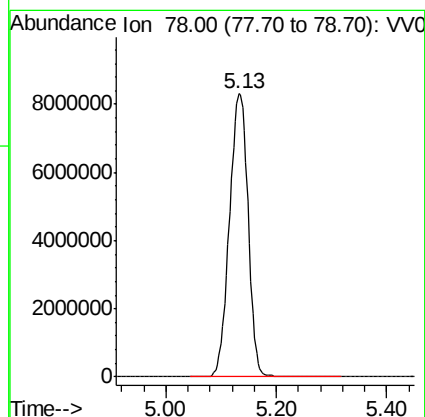
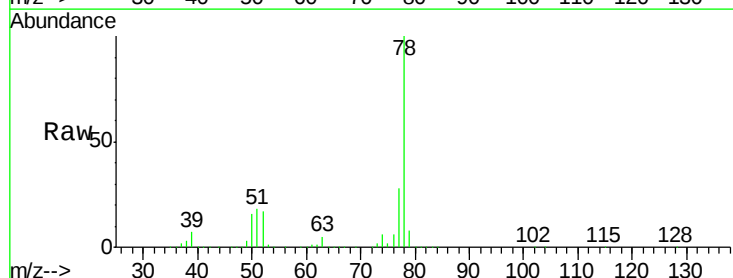
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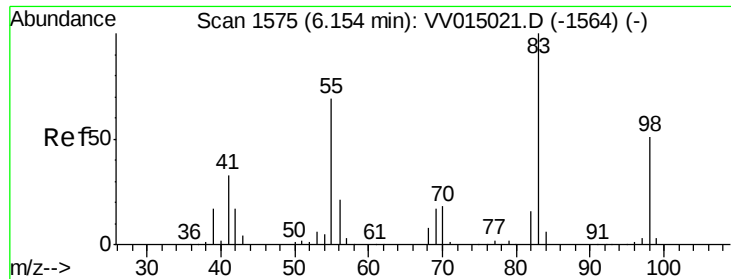
Delta R.T. 0.01 min

Lab File: VV015037.D

Acq: 19 Mar 2020 00:51

Tgt Ion: 78 Resp:19480623





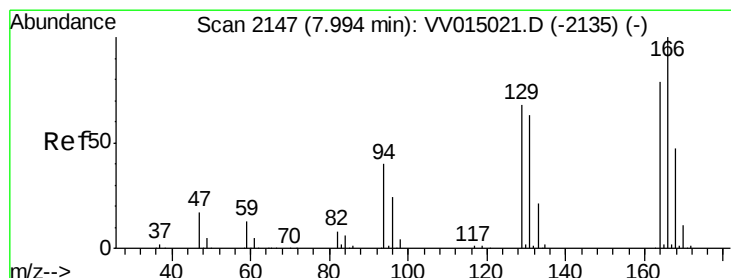
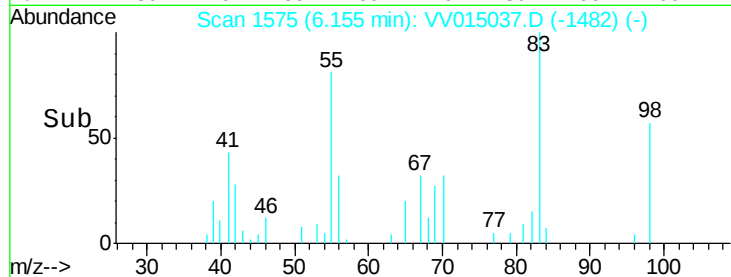
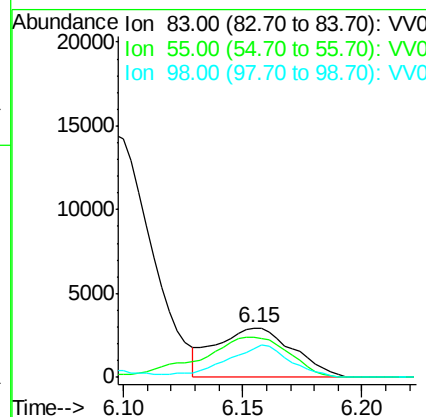
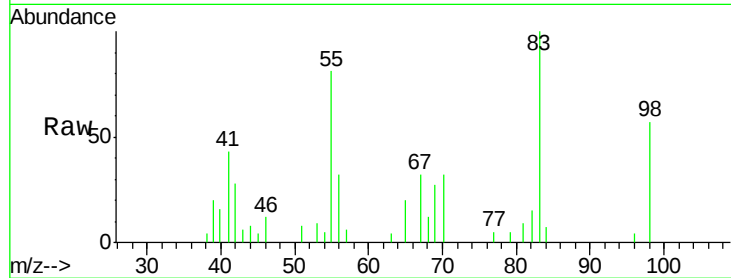
#35
Methvlcvclohexane
Concen: 1.646 ug/L m
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV015037.D
Acq: 19 Mar 2020 00:51

Instrument :
MSVOA_V
ClientSampleId :
C0DL7

Tot Ion	Ratio	Resp	Lower	Upper
83	100	6635		
55	94.4		55.4	83.0#
98	51.7		40.6	61.0

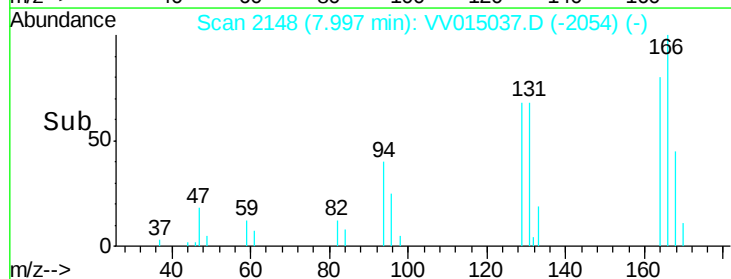
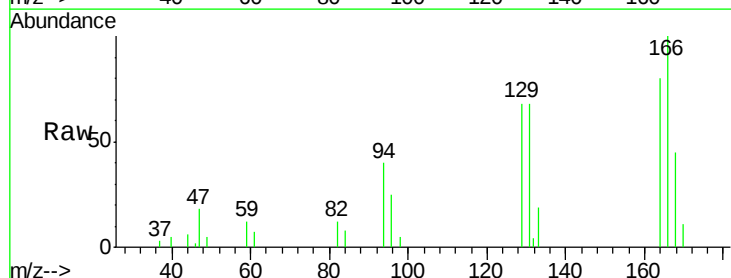
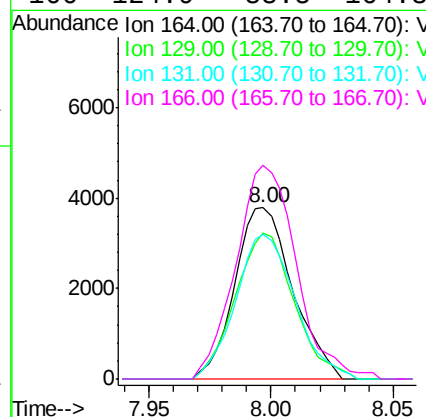
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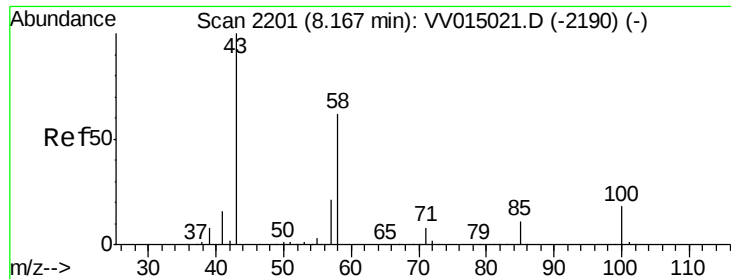
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#46
Tetrachloroethene
Concen: 2.590 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015037.D
Acq: 19 Mar 2020 00:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	6245		
129	85.5		60.4	112.2
131	84.6		57.0	105.8
166	124.9		88.5	164.3





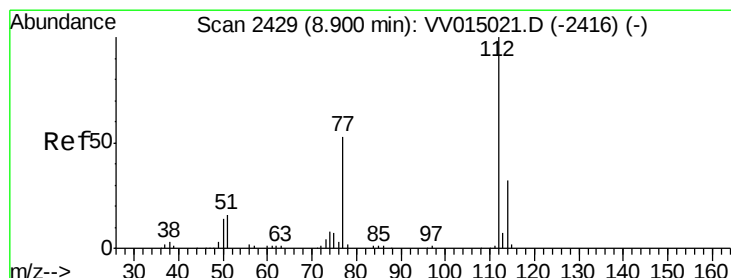
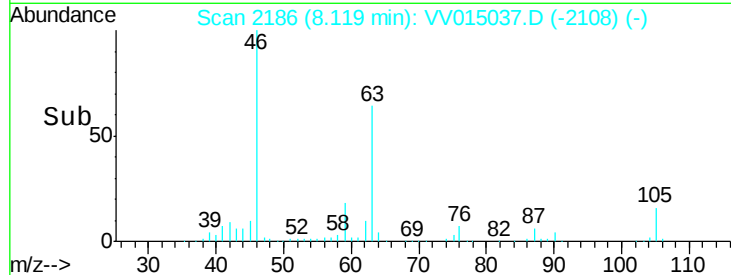
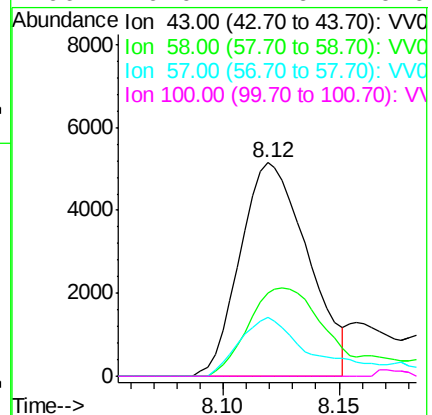
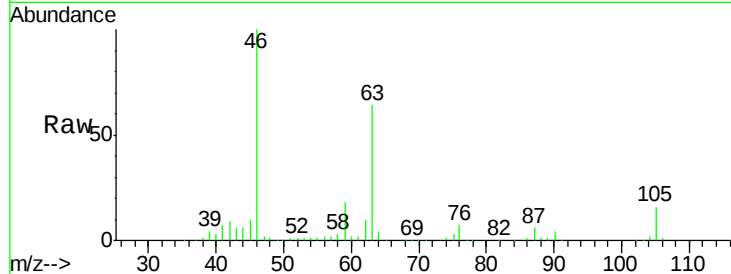
#48
2-Hexanone
Concen: 4.454 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV015037.D
Acq: 19 Mar 2020 00:51

Instrument :
MSVOA_V
ClientSampleId :
C0DL7

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.7	48.2	72.2#
57	29.3	15.8	23.6#
100	0.0	12.6	19.0#

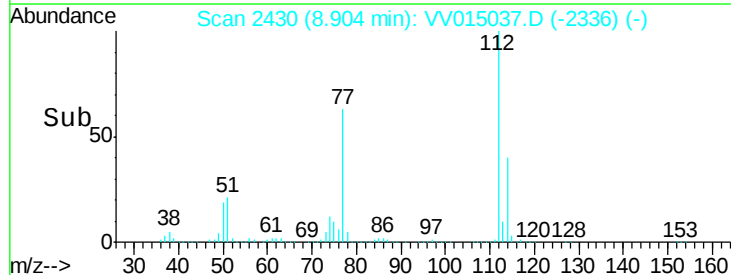
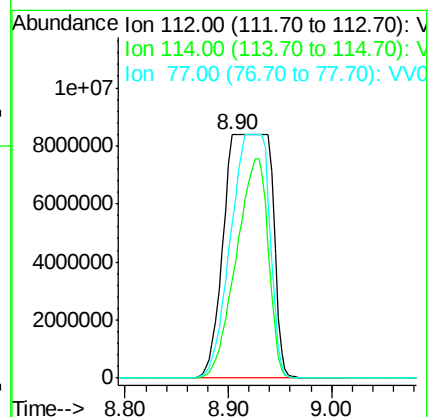
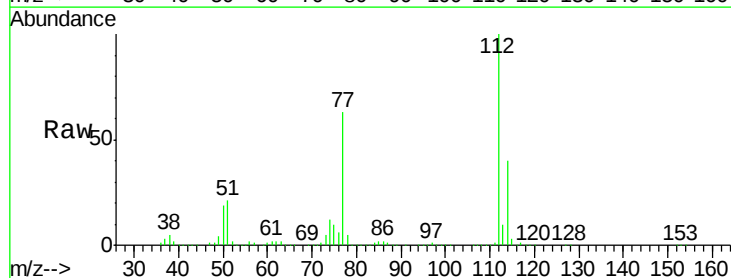
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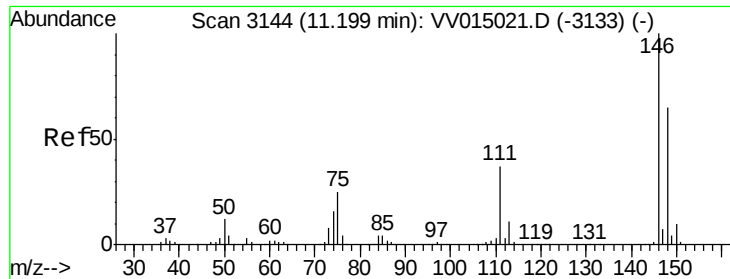
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#51
Chlorobenzene
Concen: 3642.573 ug/L m
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015037.D
Acq: 19 Mar 2020 00:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	40.2	22.4	41.6
77	63.4	42.9	64.3





#62

1,3-Dichlorobenzene

Concen: 830.850 ug/L

RT: 11.21 min Scan# 3147

Delta R.T. 0.01 min

Lab File: VV015037.D

Acq: 19 Mar 2020 00:51

Instrument :

MSVOA_V

ClientSampled :

C0DL7

Tot Ion:146 Resp: 6136312

Ion Ratio Lower Upper

146 100

111 37.9 25.7 47.7

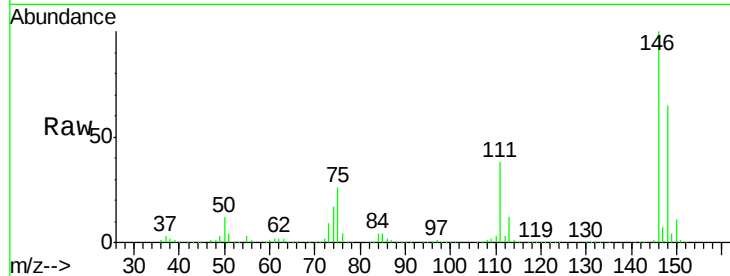
148 65.0 45.4 84.4

Manual Integrations

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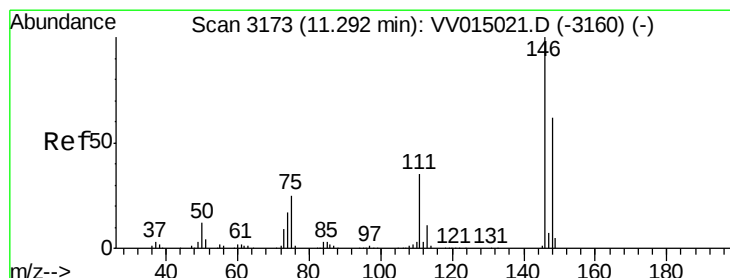
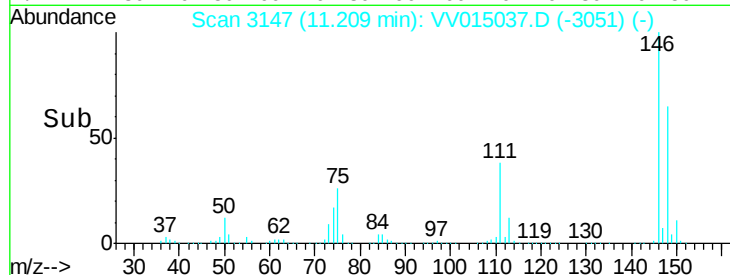
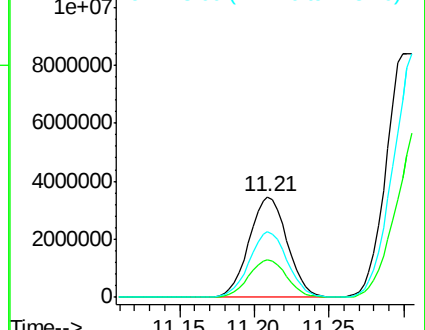
3/19/2020 11:30:58 AM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4017.952 ug/L m

RT: 11.30 min Scan# 3175

Delta R.T. 0.01 min

Lab File: VV015037.D

Acq: 19 Mar 2020 00:51

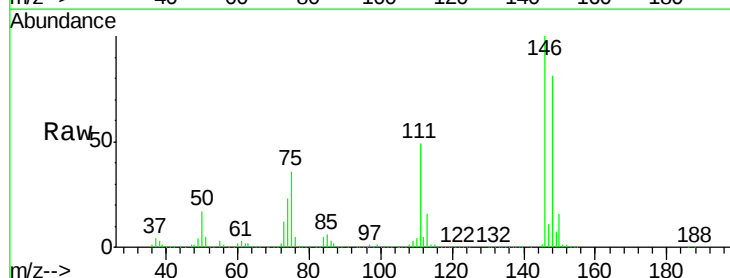
Tgt Ion:146 Resp:30889137

Ion Ratio Lower Upper

146 100

111 49.3 25.8 48.0#

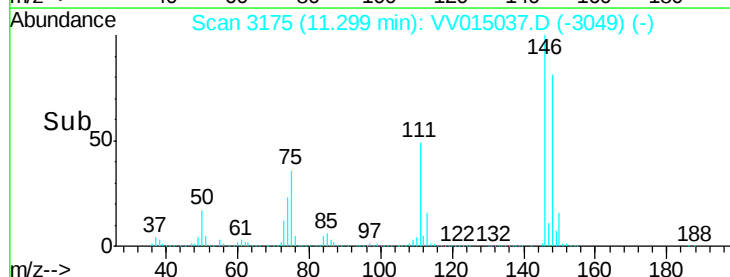
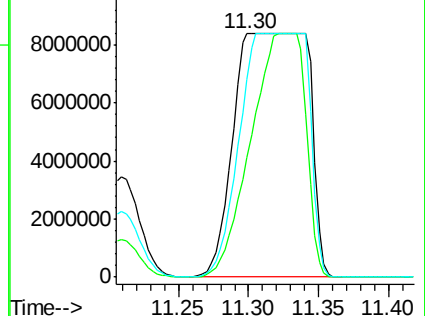
148 81.3 45.7 84.9

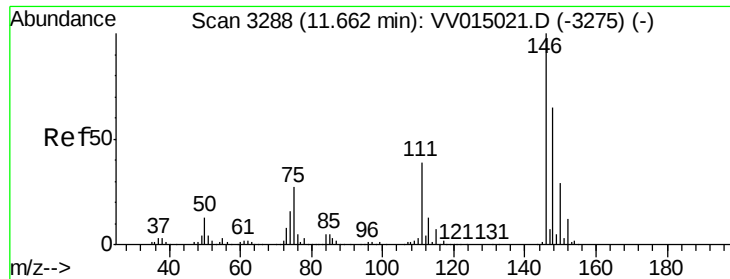


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4745.494 ug/L m

RT: 11.67 min Scan# 3291

Delta R.T. 0.01 min

Lab File: VV015037.D

Acq: 19 Mar 2020 00:51

Instrument :

MSVOA_V

ClientSampleId :

C0DL7

Tot Ion:146 Resp:37226812

Ion Ratio Lower Upper

146 100

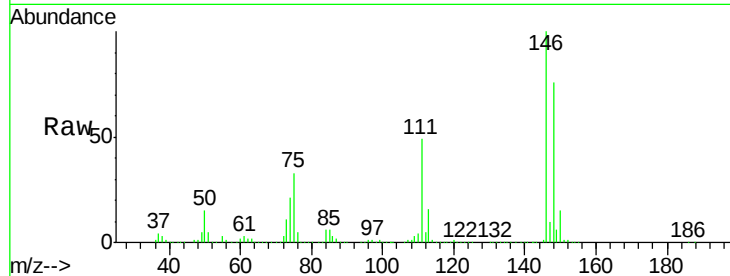
111 49.4 31.5 47.3#

148 76.3 51.7 77.5

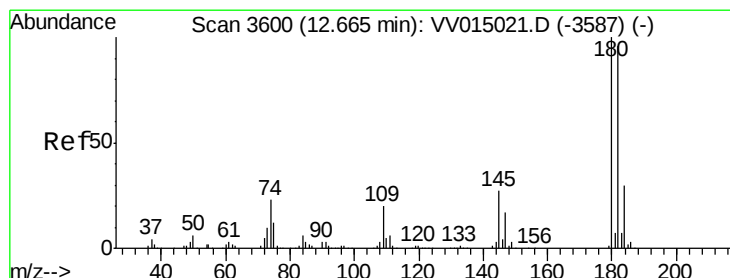
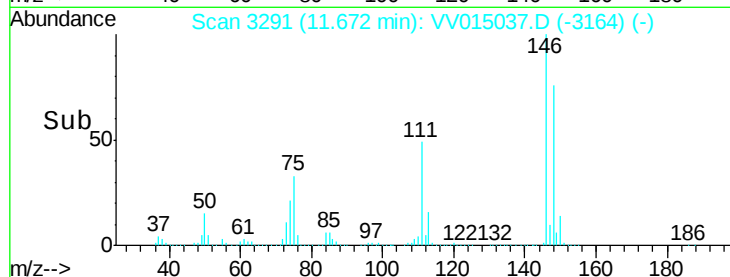
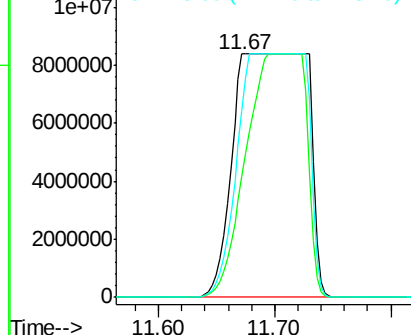
Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 1.761 ug/L

RT: 12.67 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VV015037.D

Acq: 19 Mar 2020 00:51

Tgt Ion:180 Resp: 10290

Ion Ratio Lower Upper

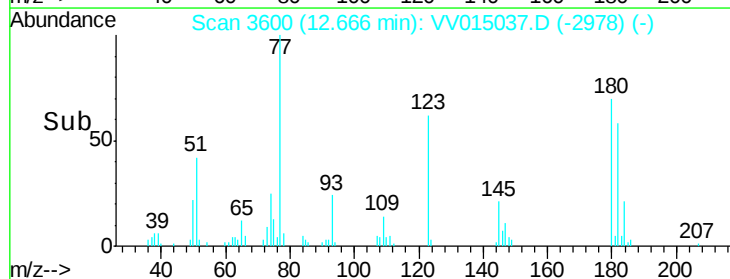
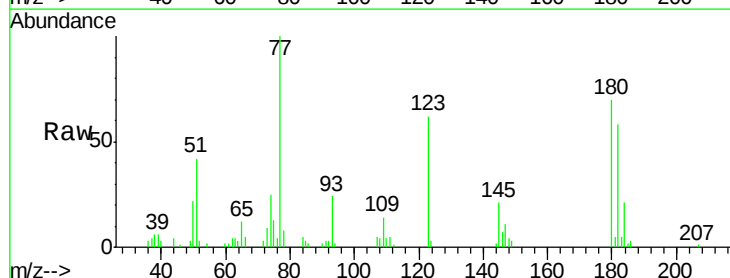
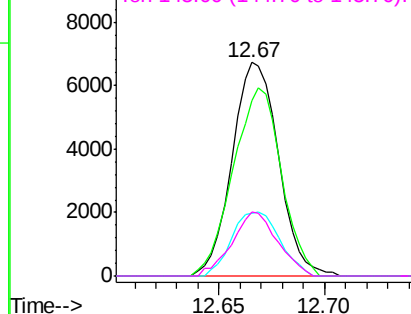
180 100

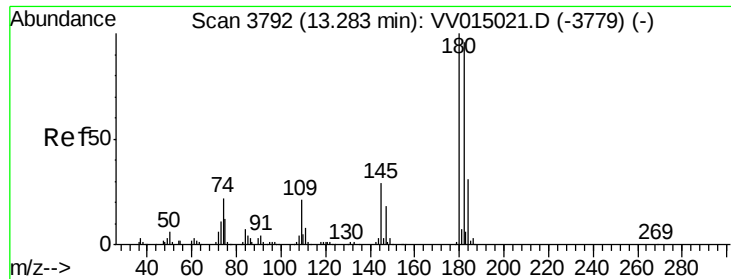
182 91.2 75.2 112.8

184 31.0 23.9 35.9

145 29.3 22.0 33.0

Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V
Ion 145.00 (144.70 to 145.70): V





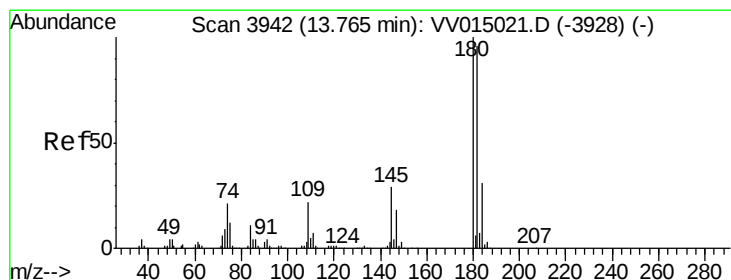
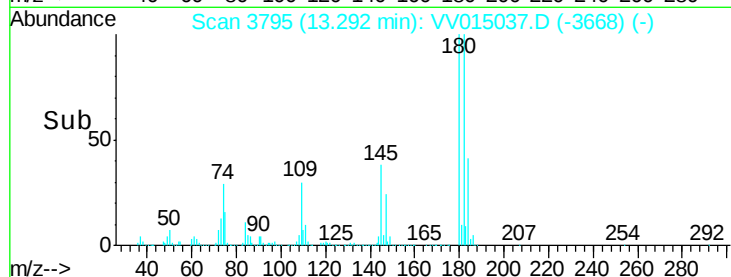
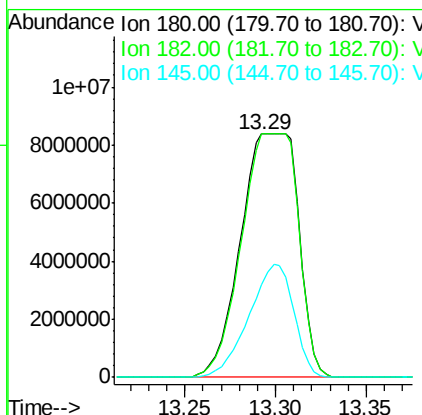
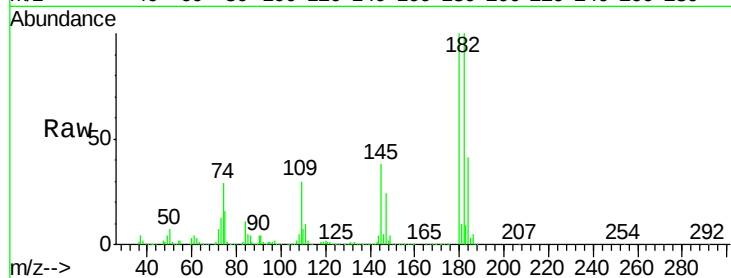
#68
 1,2,4-trichlorobenzene
 Concen: 3440.509 ug/L m
 RT: 13.29 min Scan# 3795
 Delta R.T. 0.01 min
 Lab File: VV015037.D
 Acq: 19 Mar 2020 00:51

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL7

Tot Ion:180 Resp:18514656
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.3 114.5#
 145 0.0 22.2 33.4#

Manual Integrations
 APPROVED

sam
 3/19/2020 11:30:58 AM



#70
 1,2,3-Trichlorobenzene
 Concen: 934.190 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015037.D
 Acq: 19 Mar 2020 00:51

Tgt Ion:180 Resp: 4938963
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.5 113.3
 145 29.8 23.5 35.3

