

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015225.D
 Acq On : 28 Mar 2020 05:09
 Operator : SY/MD
 Sample : L2003-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0EK0

Manual Integrations
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apatel
 3/31/2020 9:23:03 AM

Quant Time: Mar 28 07:27:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 05:21:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	675770	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.92	117	909576	50.00	ug/L	0.04
60) 1,4-Dichlorobenzene-d4	11.31	152	513255m	50.00	ug/L	0.04

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	139194	50.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.52%
7) Chloroethane-d5	1.58	69	137715m	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.72%
11) 1,1-Dichloroethene-d2	2.12	63	227754	33.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.44%
21) 2-Butanone-d5	3.94	46	210769	64.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	64.89%
24) Chloroform-d	4.38	84	323065	45.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.34%
26) 1,2-Dichloroethane-d4	5.06	65	186191	39.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.90%
32) Benzene-d6	5.08	84	544020	33.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.94%#
36) 1,2-Dichloropropane-d6	6.10	67	183124	30.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	61.06%#
41) Toluene-d8	7.34	98	522758	37.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.08%#
43) trans-1,3-Dichloropropene-	7.64	79	91141	28.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.86%#
47) 2-Hexanone-d5	8.12	63	177769	51.34	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	51.34%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	303889	28.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	57.52%#
64) 1,2-Dichlorobenzene-d4	11.68	152	413925m	47.28	ug/L	0.04
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.21	43	37260m	19.650	ug/L	
25) Chloroform	4.40	83	959428	110.629	ug/L	98
29) Cyclohexane	4.70	56	47347	4.752	ug/L	98
31) Carbon tetrachloride	4.86	117	397689	43.461	ug/L	99
33) Benzene	5.11	78	32447466m	1272.479	ug/L	
34) Trichloroethene	5.95	95	6186	0.906	ug/L	84
35) Methylcyclohexane	6.15	83	19041	1.825	ug/L	# 70
38) Bromodichloromethane	6.54	83	10341	1.100	ug/L	94
42) Toluene	7.41	91	27144	0.963	ug/L	97
46) Tetrachloroethene	8.00	164	6851	1.550	ug/L	97
51) Chlorobenzene	8.90	112	49117535m	2676.520	ug/L	
62) 1,3-Dichlorobenzene	11.21	146	17277954m	1081.455	ug/L	
63) 1,4-Dichlorobenzene	11.30	146	34504385m	2148.924	ug/L	
65) 1,2-Dichlorobenzene	11.67	146	39078523m	2385.895	ug/L	
67) 1,3,5-Trichlorobenzene	12.67	180	21291	2.099	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	19571996m	2074.895	ug/L	
70) 1,2,3-Trichlorobenzene	13.77	180	7233367	747.812	ug/L	99

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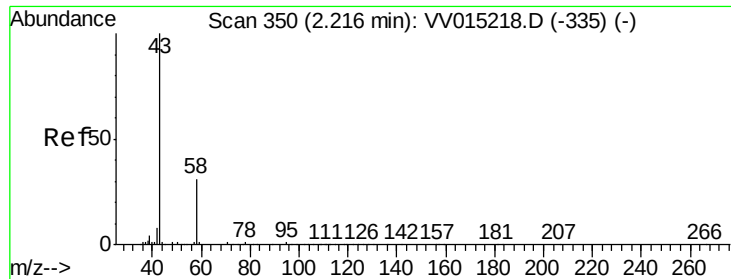
Manual Integrations
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Quant Time: Mar 28 07:27:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 28 05:21:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#13

Acetone

Concen: 19.650 ug/L m

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV015225.D

Acq: 28 Mar 2020 05:09

Instrument :

MSVOA_V

ClientSampleId :

C0EK0

Tot Ion: 43 Resp: 37260

Ion Ratio Lower Upper

43 100

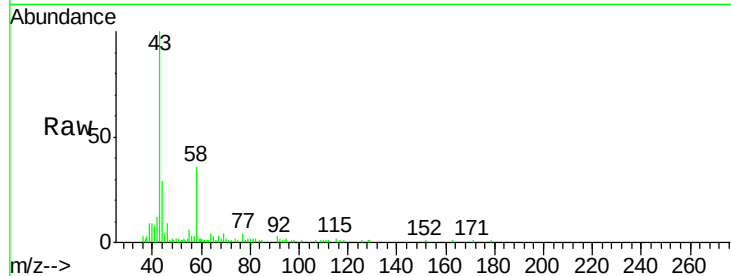
58 31.7 0.0 0.0#

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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

12000

10000

8000

6000

4000

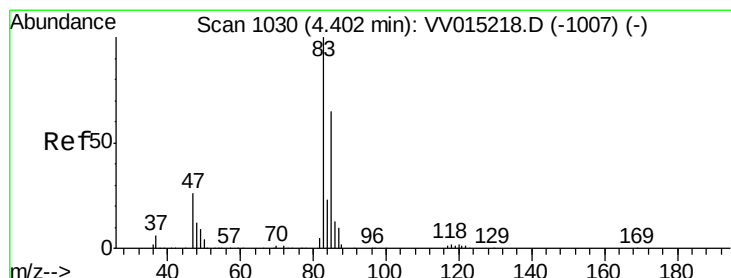
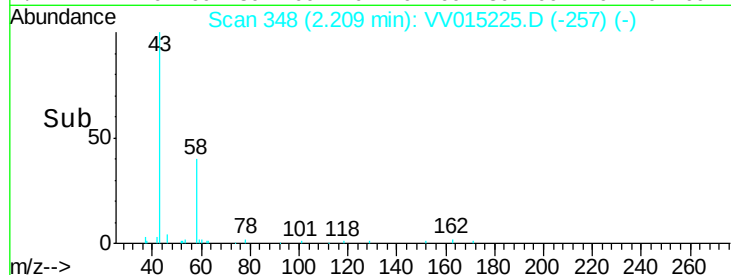
2000

0

Time-->

2.10 2.20 2.30

2.21



#25

Chloroform

Concen: 110.629 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV015225.D

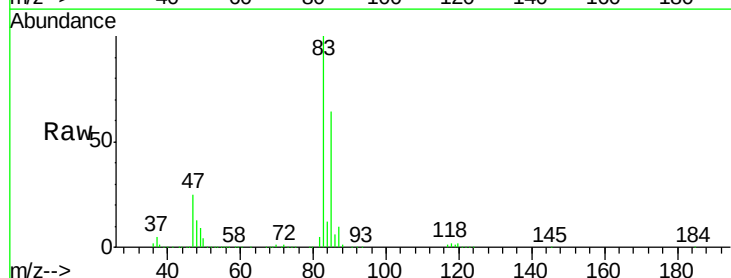
Acq: 28 Mar 2020 05:09

Tgt Ion: 83 Resp: 959428

Ion Ratio Lower Upper

83 100

85 64.0 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

400000

300000

200000

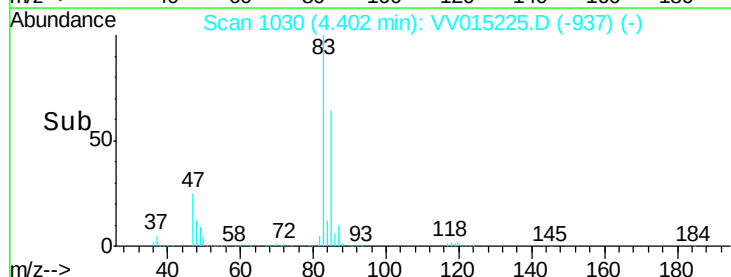
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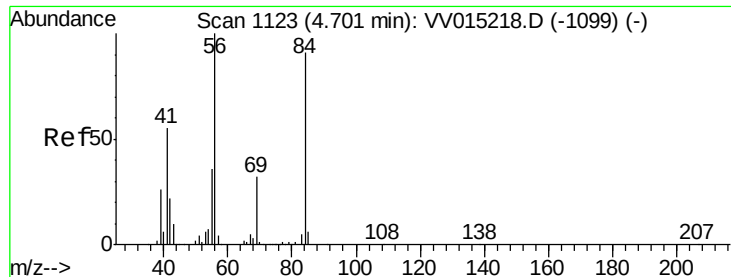
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Time-->

4.30 4.40 4.50

4.40





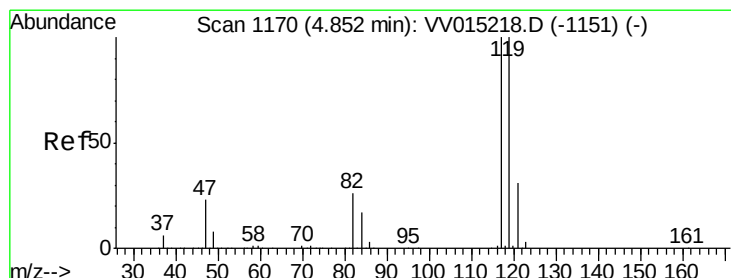
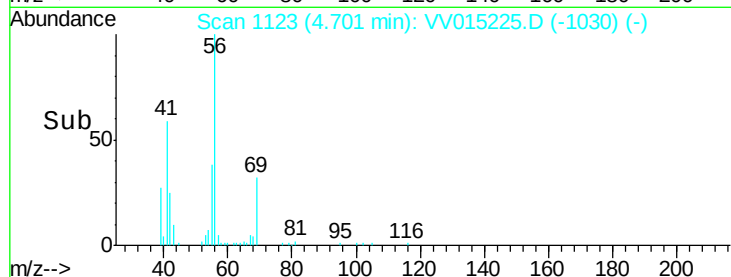
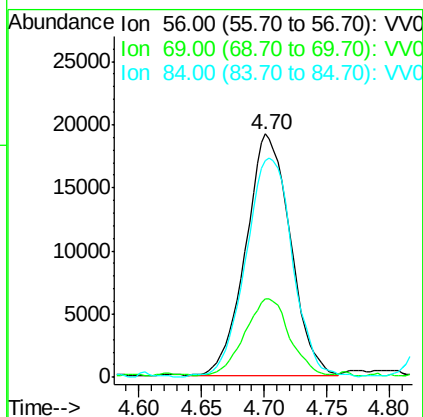
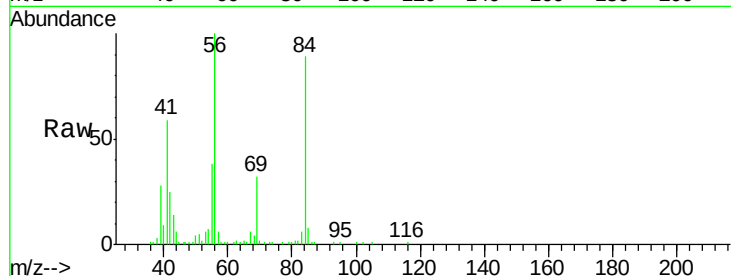
#29
Cyclohexane
Concen: 4.752 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV015225.D
Acq: 28 Mar 2020 05:09

Instrument :
MSVOA_V
ClientSampled :
C0EK0

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.8	38.6
84	93.2	72.5	108.7

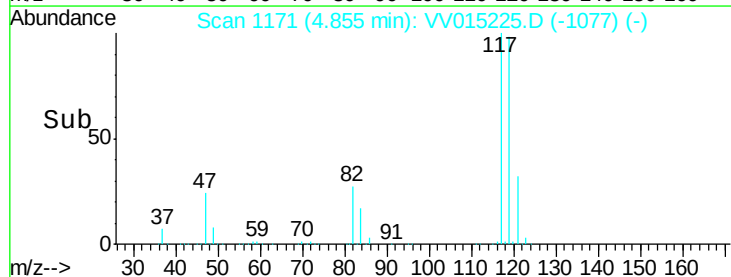
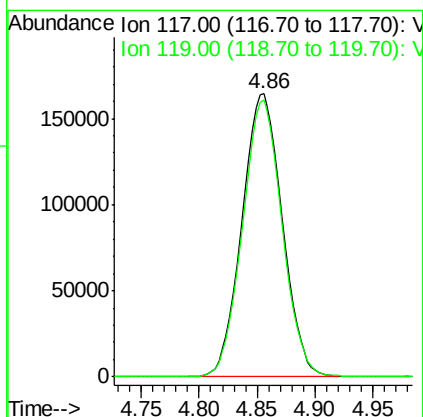
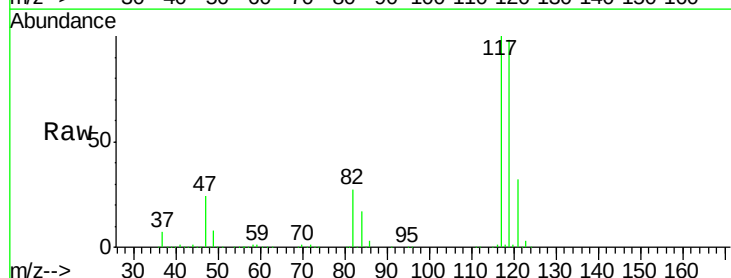
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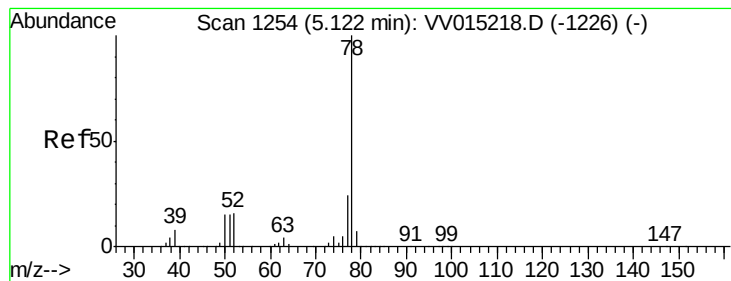
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#31
Carbon tetrachloride
Concen: 43.461 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV015225.D
Acq: 28 Mar 2020 05:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.0	114.0





#33

Benzene

Concen: 1272.479 ug/L m

RT: 5.11 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VV015225.D

Acq: 28 Mar 2020 05:09

Instrument :

MSVOA_V

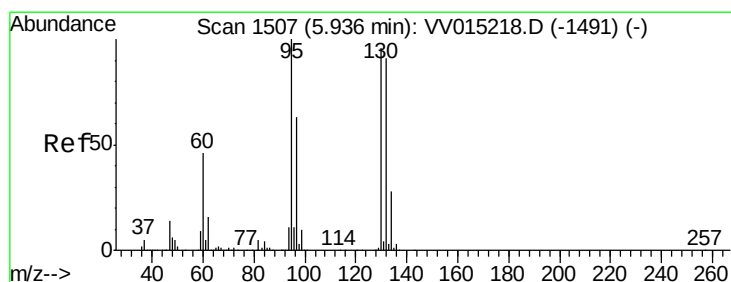
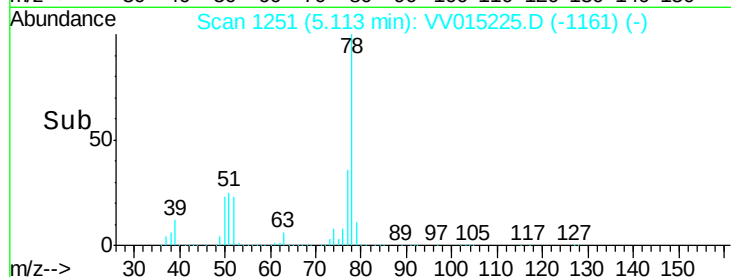
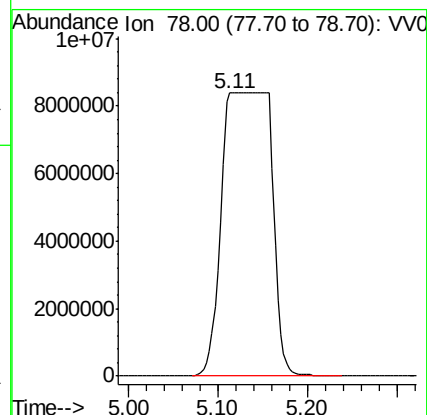
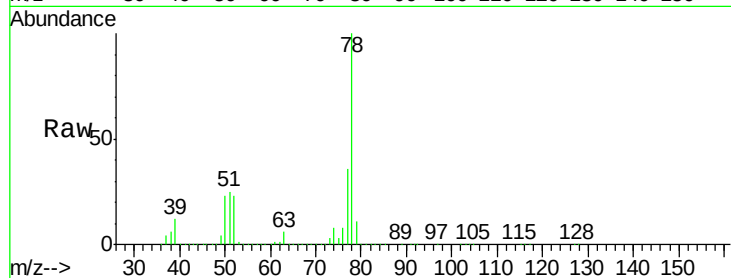
ClientSampleId :

C0EK0

Tgt Ion: 78 Resp:32447466

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#34

Trichloroethene

Concen: 0.906 ug/L

RT: 5.95 min Scan# 1510

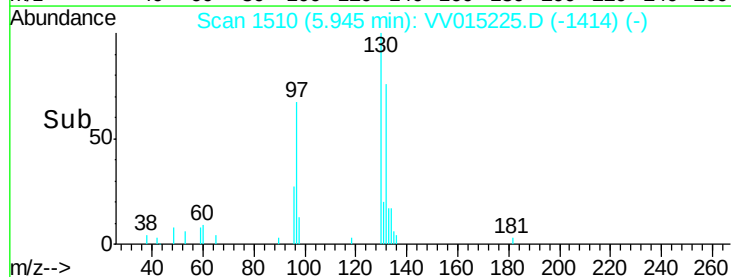
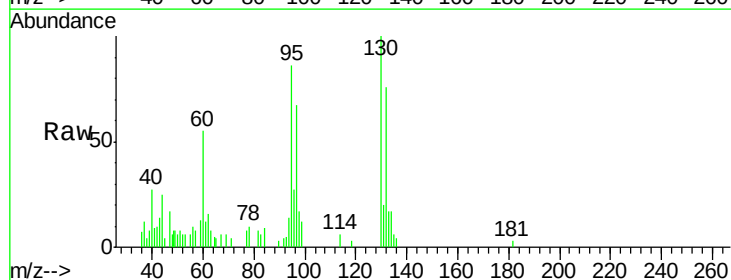
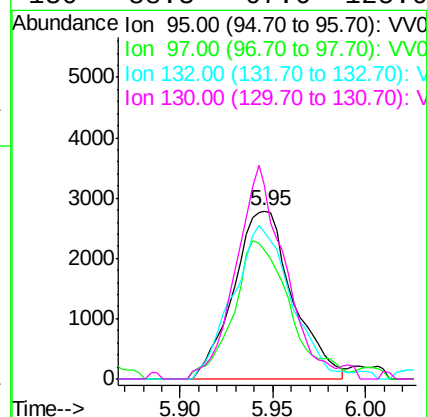
Delta R.T. 0.01 min

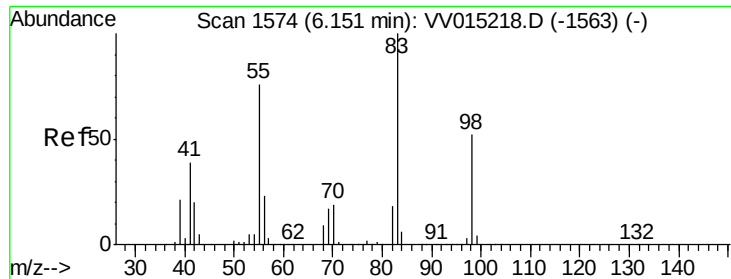
Lab File: VV015225.D

Acq: 28 Mar 2020 05:09

Tgt Ion: 95 Resp: 6186

Ion	Ratio	Lower	Upper
95	100		
97	59.0	45.7	84.9
132	67.1	66.2	123.0
130	88.3	67.6	125.6





#35

Methylcyclohexane

Concen: 1.825 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015225.D

Acq: 28 Mar 2020 05:09

Instrument :

MSVOA_V

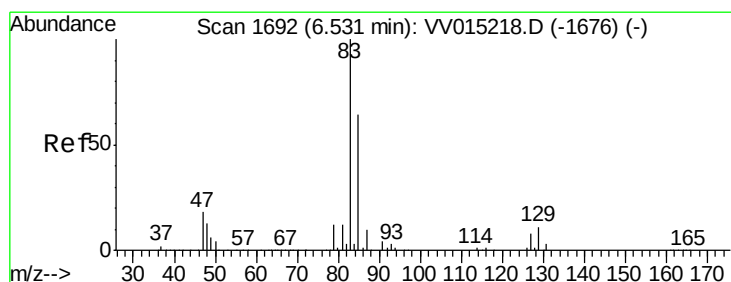
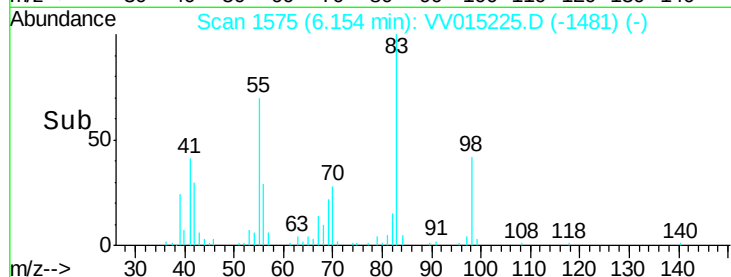
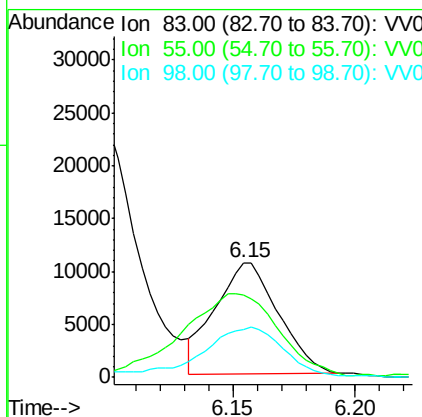
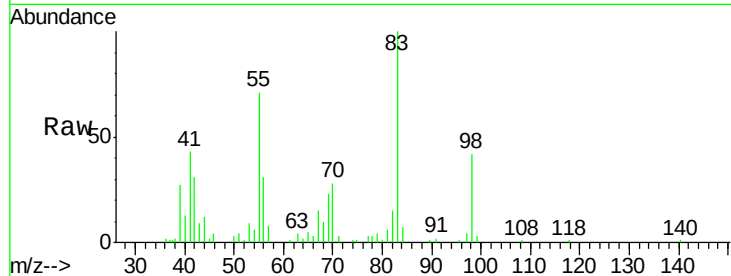
ClientSampled :

C0EK0

Tot Ion:	83	Resp:	19041
Ion	Ratio	Lower	Upper
83	100		
55	114.1	58.2	87.2#
98	50.3	41.0	61.4

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#38

Bromodichloromethane

Concen: 1.100 ug/L

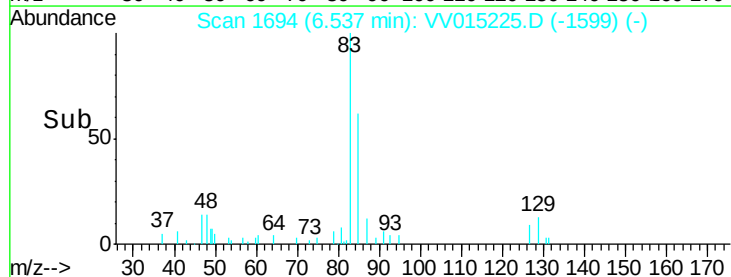
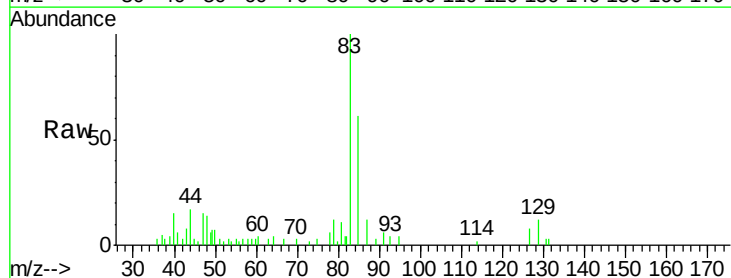
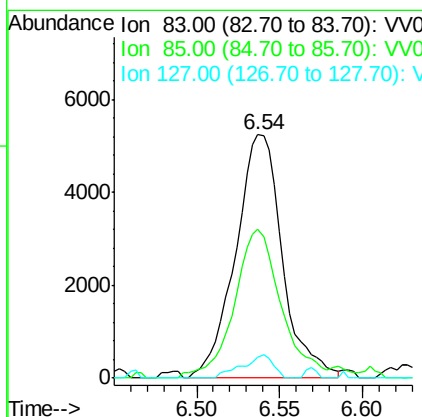
RT: 6.54 min Scan# 1694

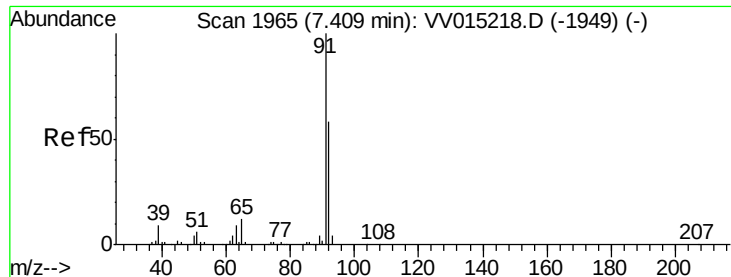
Delta R.T. 0.01 min

Lab File: VV015225.D

Acq: 28 Mar 2020 05:09

Tgt Ion:	83	Resp:	10341
Ion	Ratio	Lower	Upper
83	100		
85	61.0	46.3	85.9
127	8.4	6.5	9.7





#42

Toluene

Concen: 0.963 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV015225.D

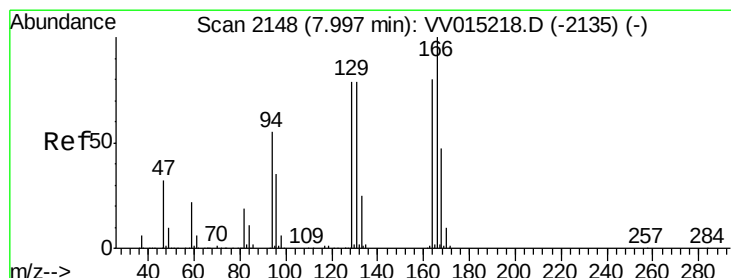
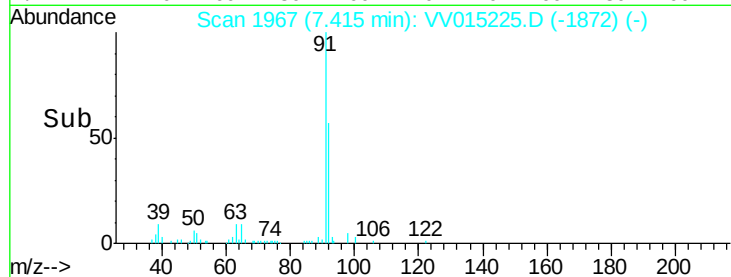
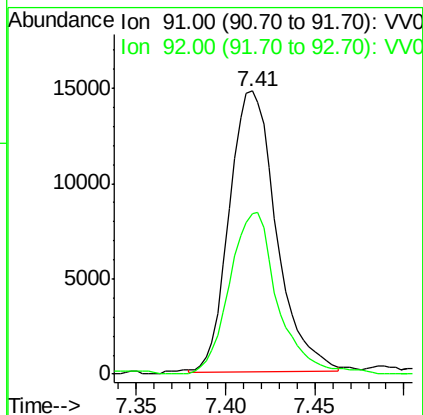
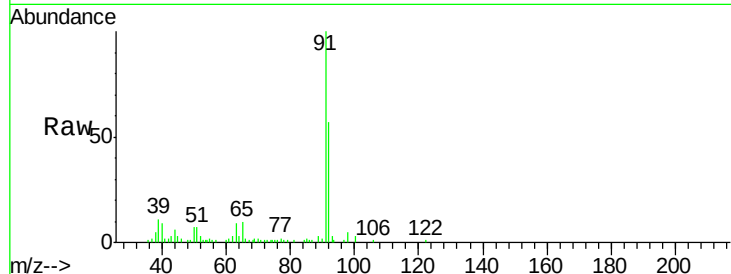
Acq: 28 Mar 2020 05:09

Instrument :
MSVOA_V
ClientSampled :
C0EK0

Tot Ion	91	Resp	27144
Ion	Ratio	Lower	Upper
91	100		
92	56.5	41.0	76.2

Manual Integrations
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#46

Tetrachloroethene

Concen: 1.550 ug/L

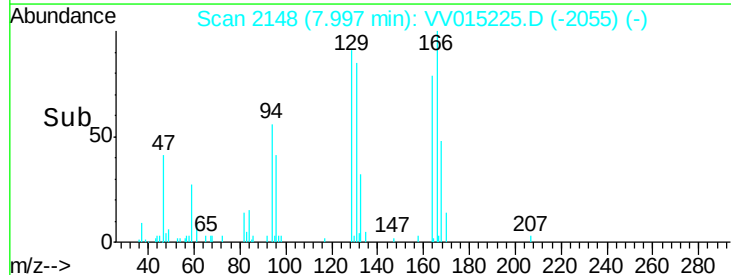
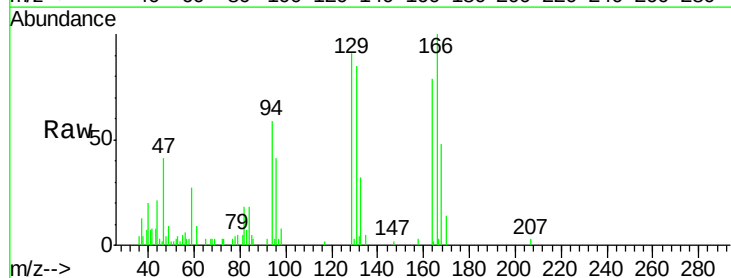
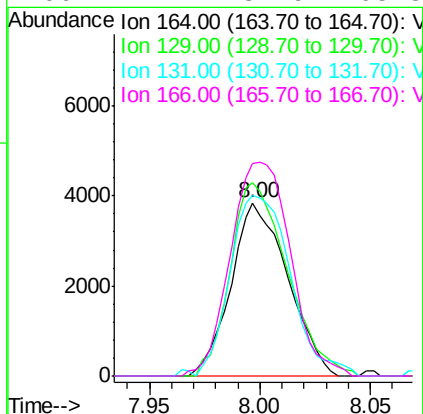
RT: 8.00 min Scan# 2148

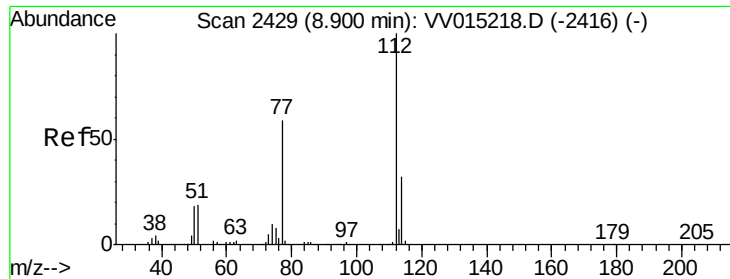
Delta R.T. -0.00 min

Lab File: VV015225.D

Acq: 28 Mar 2020 05:09

Tgt Ion	164	Resp	6851
Ion	Ratio	Lower	Upper
164	100		
129	111.3	75.3	139.9
131	104.3	71.8	133.4
166	122.4	87.9	163.3





#51

Chlorobenzene

Concen: 2676.520 ug/L m

RT: 8.90 min Scan# 2428

Delta R.T. -0.00 min

Lab File: VV015225.D

Acq: 28 Mar 2020 05:09

Instrument :

MSVOA_V

ClientSampleId :

C0EK0

Tot Ion:112 Resp:49117535

Ion Ratio Lower Upper

112 100

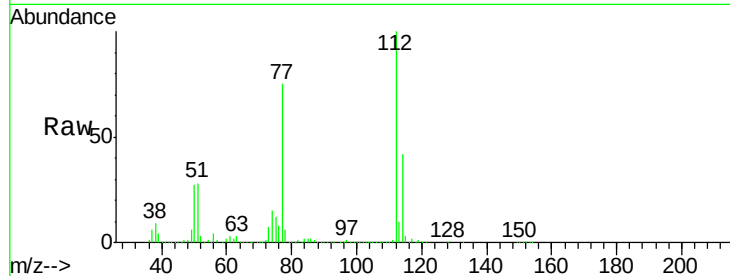
114 41.7 22.3 41.5#

77 74.7 48.2 72.2#

Manual Integrations
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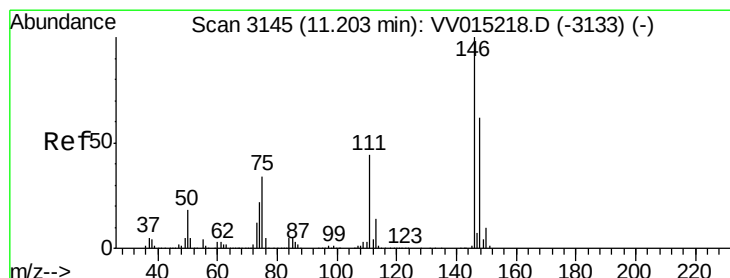
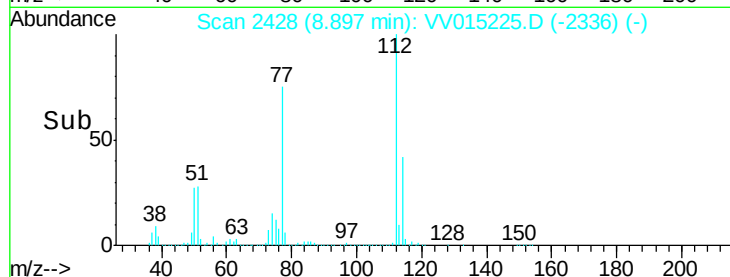
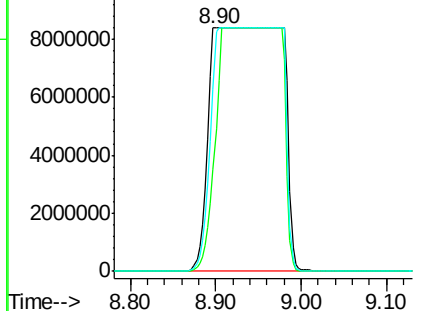
3/31/2020 9:23:03 AM



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#62

1,3-Dichlorobenzene

Concen: 1081.455 ug/L m

RT: 11.21 min Scan# 3147

Delta R.T. 0.01 min

Lab File: VV015225.D

Acq: 28 Mar 2020 05:09

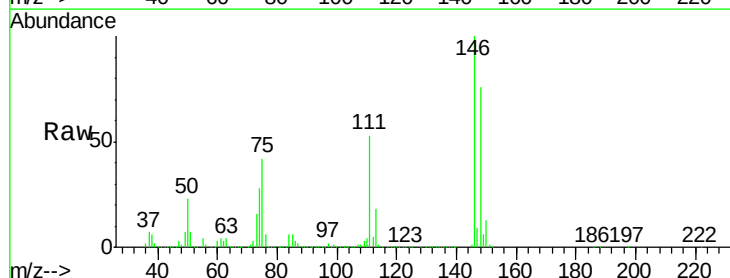
Tgt Ion:146 Resp:17277954

Ion Ratio Lower Upper

146 100

111 53.5 32.1 59.7

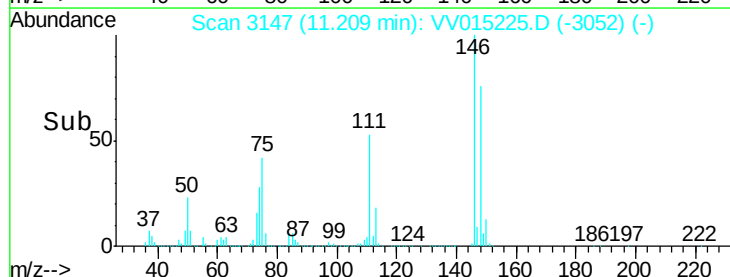
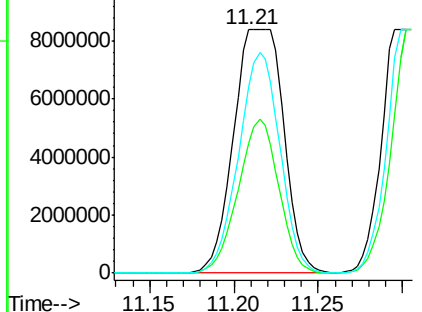
148 76.5 44.0 81.6

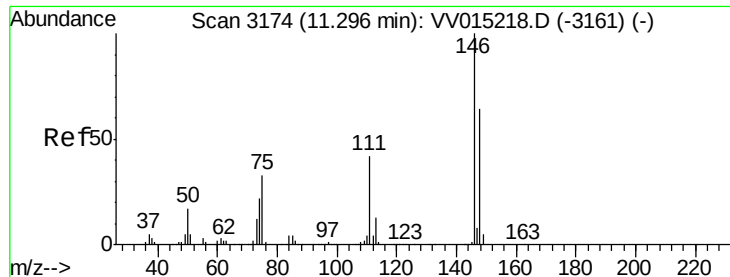


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





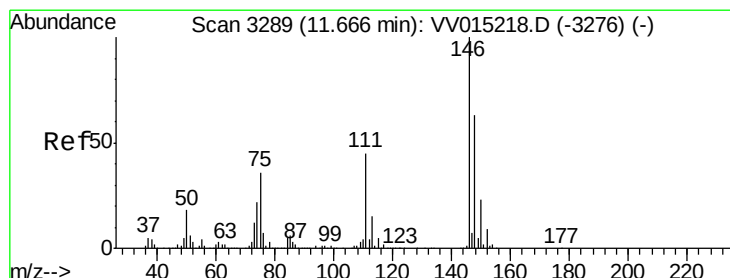
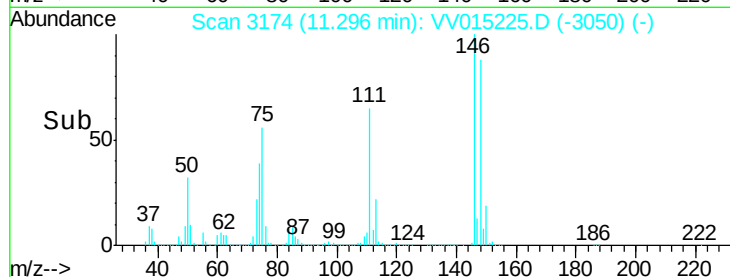
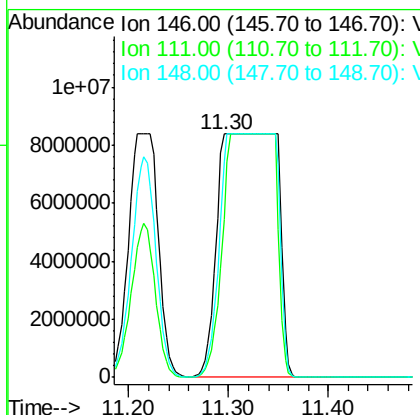
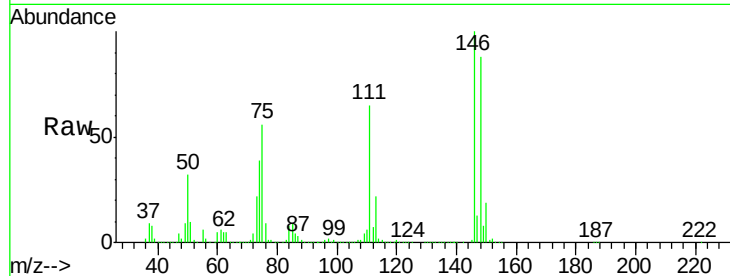
#63
 1,4-Dichlorobenzene
 Concen: 2148.924 ug/L m
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015225.D
 Acq: 28 Mar 2020 05:09

Instrument :
 MSVOA_V
 ClientSampled :
 C0EK0

Tot Ion:146 Resp:34504385
 Ion Ratio Lower Upper
 146 100
 111 64.6 29.4 54.6#
 148 88.5 43.6 81.0#

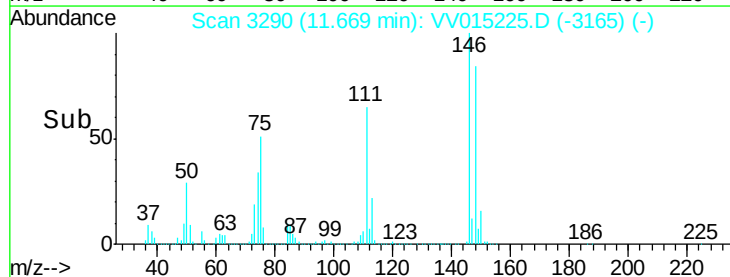
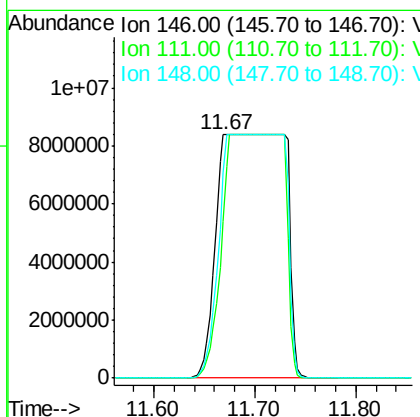
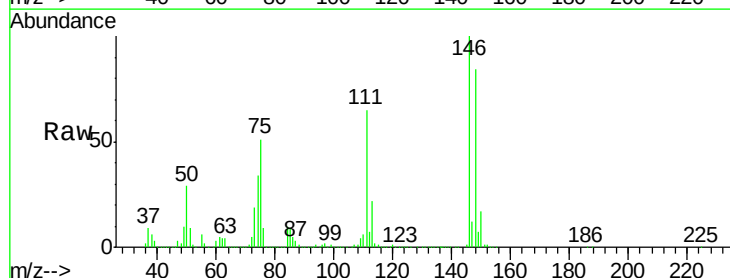
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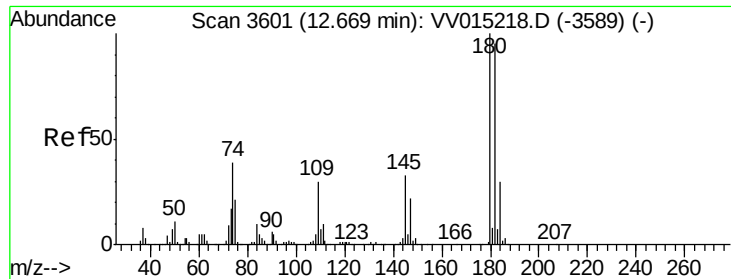
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#65
 1,2-Dichlorobenzene
 Concen: 2385.895 ug/L m
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV015225.D
 Acq: 28 Mar 2020 05:09

Tgt Ion:146 Resp:39078523
 Ion Ratio Lower Upper
 146 100
 111 64.5 37.6 56.4#
 148 84.3 50.6 76.0#





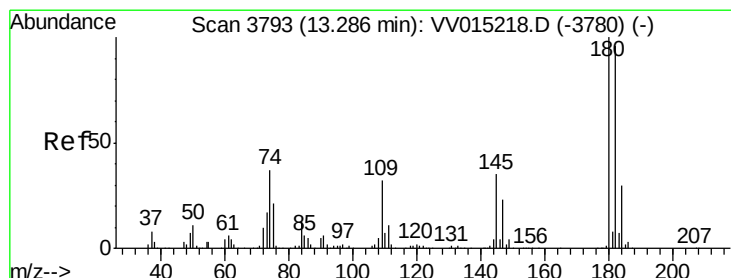
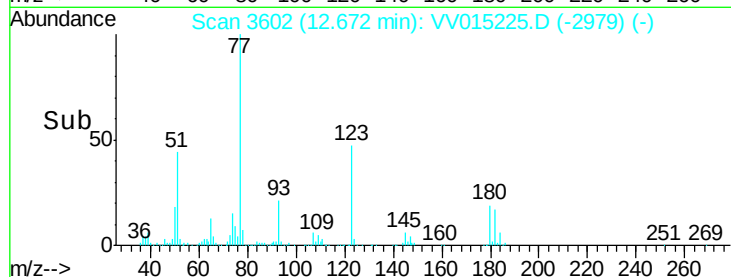
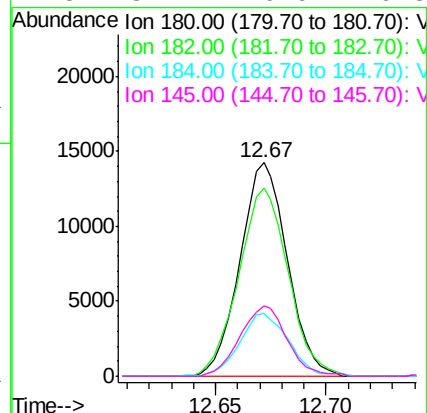
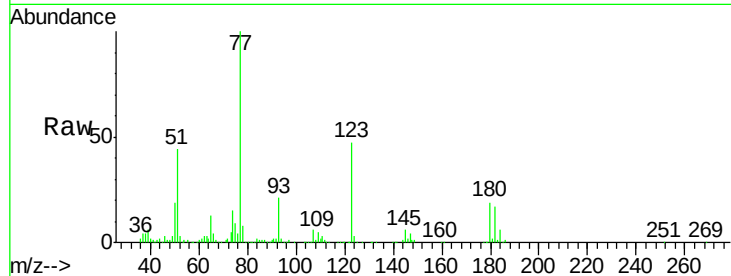
#67
 1,3,5-Trichlorobenzene
 Concen: 2.099 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV015225.D
 Acq: 28 Mar 2020 05:09

Instrument :
 MSVOA_V
 ClientSampleId :
 C0EK0

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	75.4	113.0
184	29.7	23.8	35.8
145	32.7	26.9	40.3

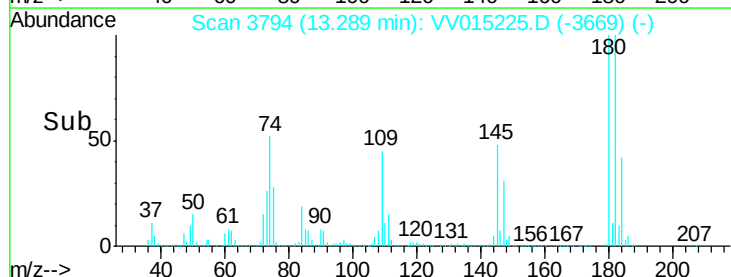
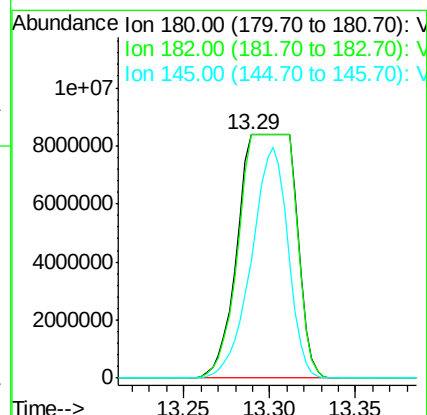
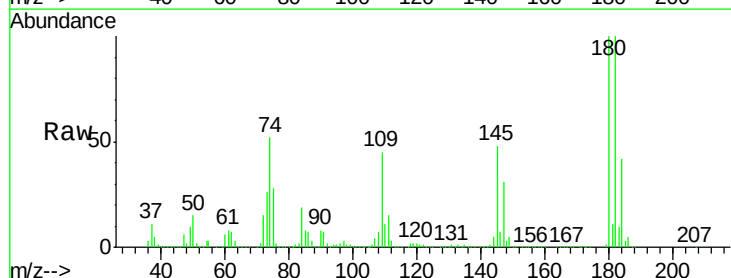
Manual Integrations
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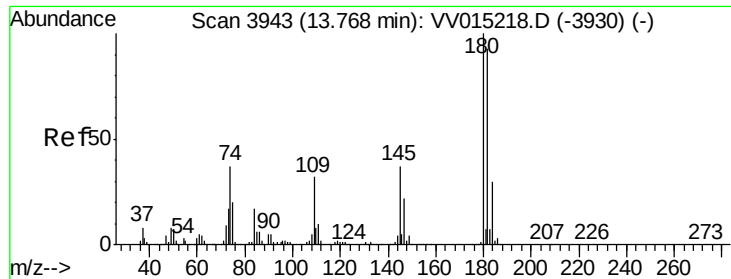
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#68
 1,2,4-trichlorobenzene
 Concen: 2074.895 ug/L m
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015225.D
 Acq: 28 Mar 2020 05:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	75.5	113.3#
145	0.0	28.5	42.7#





#70
 1,2,3-Trichlorobenzene
 Concen: 747.812 ug/L
 RT: 13.77 min Scan# 3945
 Delta R.T. 0.01 min
 Lab File: VV015225.D
 Acq: 28 Mar 2020 05:09

Instrument :
 MSVOA_V
 ClientSampleId :
 C0EK0

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.9	113.9
145	35.7	29.0	43.6

Manual Integrations
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