

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102519\
 Data File : VV013348.D
 Acq On : 25 Oct 2019 16:08
 Operator : SY/MD
 Sample : K5457-05
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K10

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 9:48:59 AM

Quant Time: Oct 26 01:39:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 26 00:57:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	399408	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	427301	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	225897	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	195530	6.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	132.80%#
7) Chloroethane-d5	1.58	69	148869	6.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	122.60%
11) 1,1-Dichloroethene-d2	2.14	63	879210	16.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	335.60%#
20) 2-Butanone-d5	3.94	46	387903	68.59	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	137.18%#
24) Chloroform-d	4.40	84	358531	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.08	65	171786	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.10	84	778136	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
36) 1,2-Dichloropropane-d6	6.12	67	227204	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.20%
41) Toluene-d8	7.36	98	678277	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
43) trans-1,3-Dichloropropene-	7.66	79	76995	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.13	63	248742	44.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.62%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	143506	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	256094	5.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.60%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	4939	0.129 ug/L	92
5) Vinyl chloride	1.32	62	6119	0.159 ug/L #	1
12) 1,1-Dichloroethene	2.14	96	1400138	44.588 ug/L #	80
13) Acetone	2.20	43	6590m	2.254 ug/L	
17) Methyl tert-butyl Ether	2.80	73	4878	0.067 ug/L #	85
18) trans-1,2-Dichloroethene	2.79	96	8046	0.217 ug/L	89
19) 1,1-Dichloroethane	3.23	63	251750	4.184 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	1178667	29.747 ug/L #	93
25) Chloroform	4.43	83	55022	0.701 ug/L	92
27) 1,2-Dichloroethane	5.19	62	4172	0.100 ug/L #	67
29) 1,1,1-Trichloroethane	4.66	97	95387	1.510 ug/L	98
31) Carbon tetrachloride	4.88	117	41096	0.725 ug/L	100
34) Trichloroethene	5.96	95	1750247	39.977 ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	9486	0.343 ug/L	96
47) Tetrachloroethene	8.02	164	1344091	33.806 ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
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

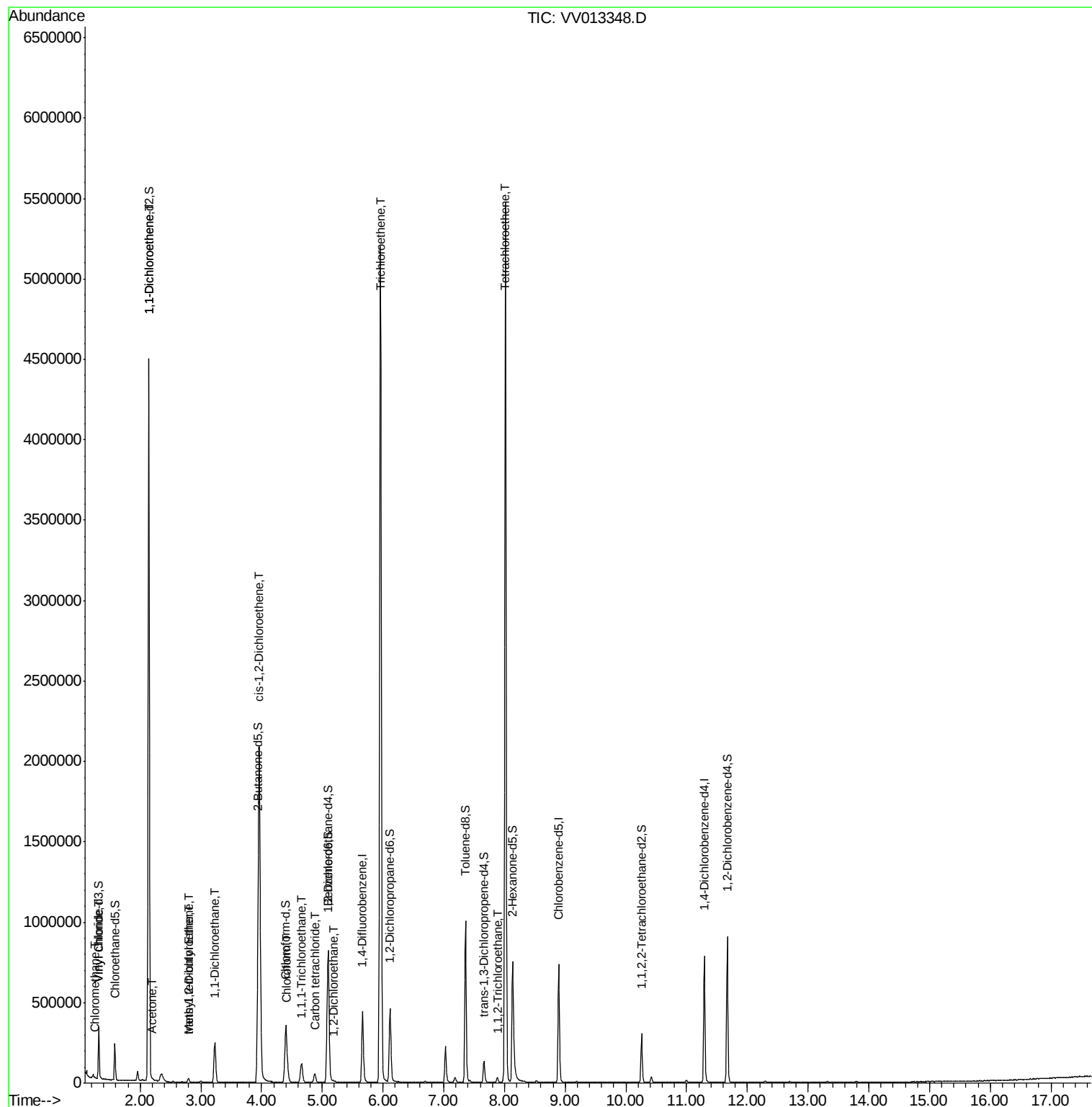
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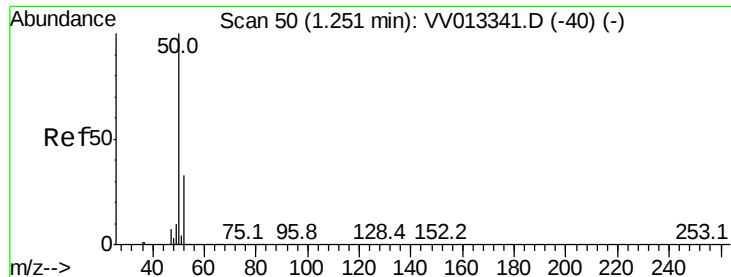
Instrument :
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#3

Chloromethane

Concen: 0.129 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013348.D

Acq: 25 Oct 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

C0K10

Tot Ion: 50 Resp: 4939

Ion Ratio Lower Upper

50 100

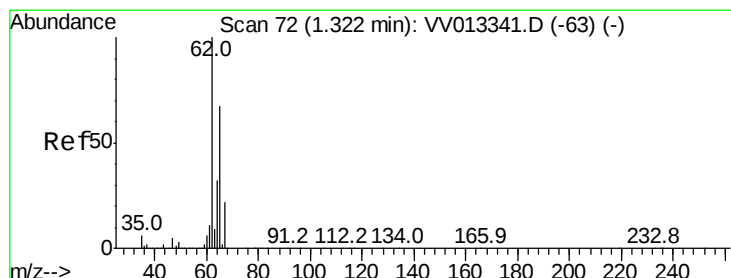
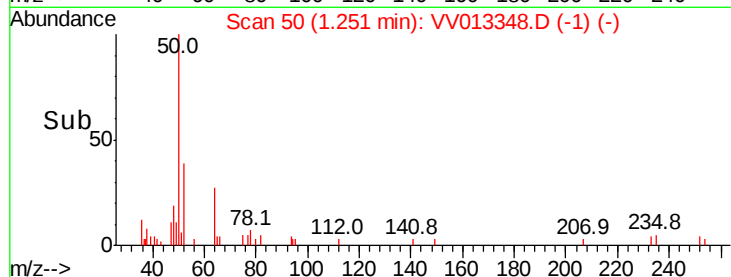
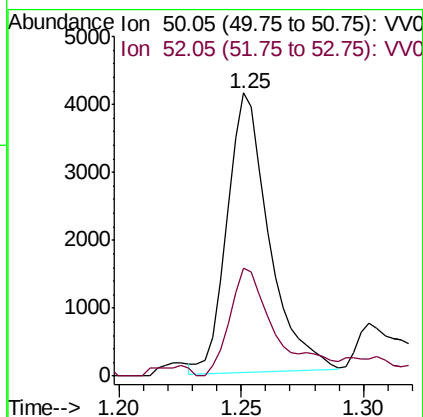
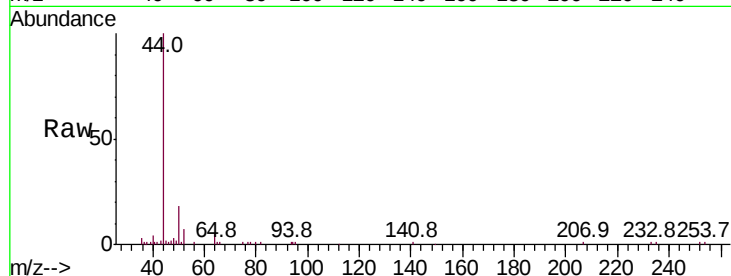
52 38.0 23.3 43.3

Manual Integrations

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#5

Vinyl chloride

Concen: 0.159 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013348.D

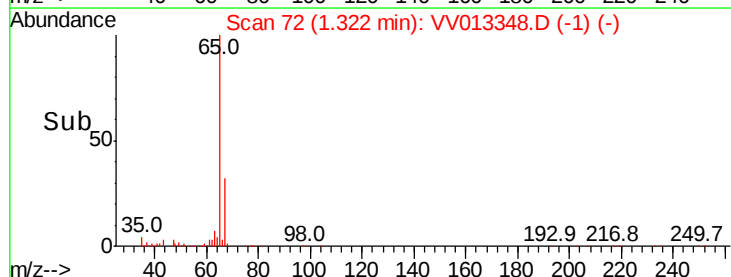
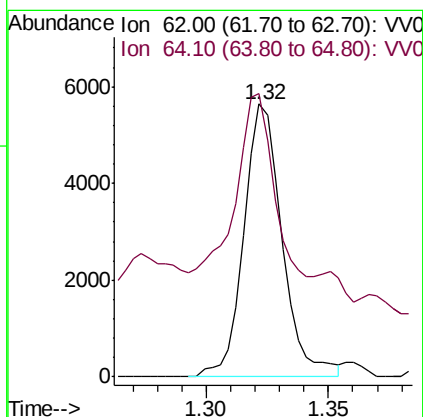
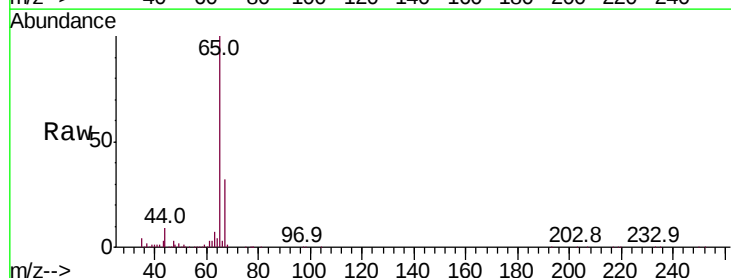
Acq: 25 Oct 2019 16:08

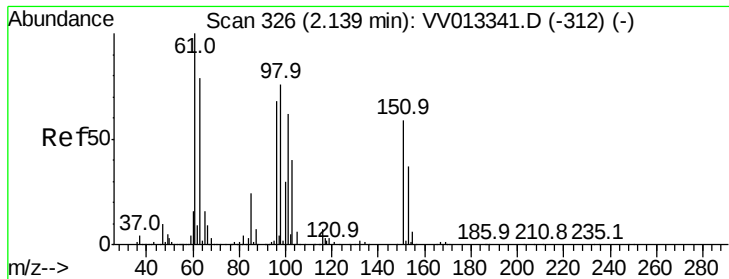
Tgt Ion: 62 Resp: 6119

Ion Ratio Lower Upper

62 100

64 103.7 22.9 42.5#





#12

1,1-Dichloroethene

Concen: 44.588 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV013348.D

Acq: 25 Oct 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

C0K10

Tot Ion: 96 Resp: 1400138

Ion Ratio Lower Upper

96 100

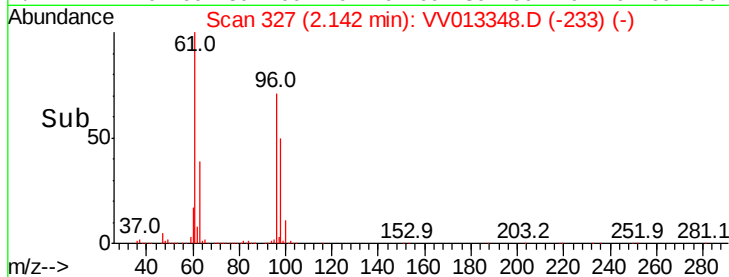
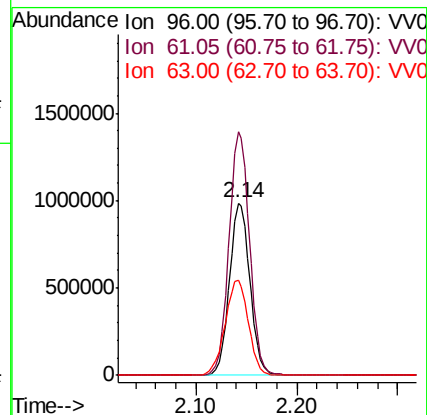
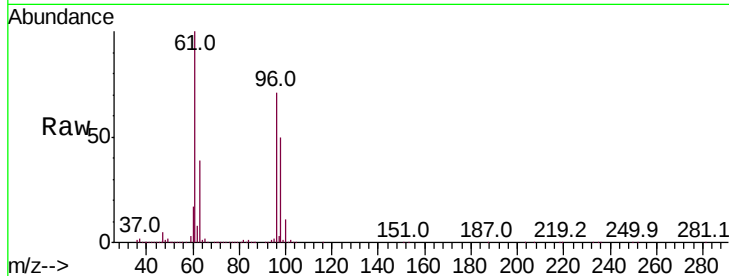
61 141.5 104.0 193.1

63 55.6 67.1 124.5#

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#13

Acetone

Concen: 2.254 ug/L m

RT: 2.20 min Scan# 345

Delta R.T. -0.02 min

Lab File: VV013348.D

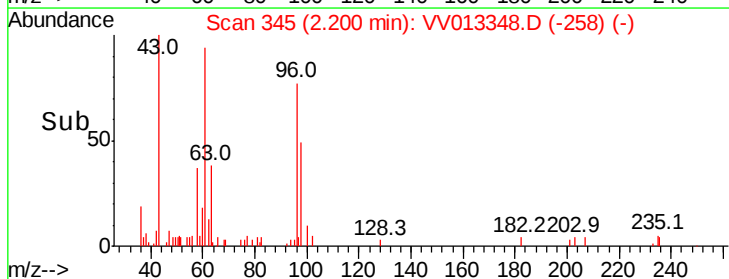
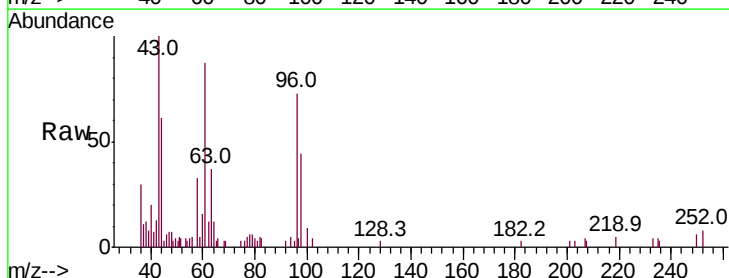
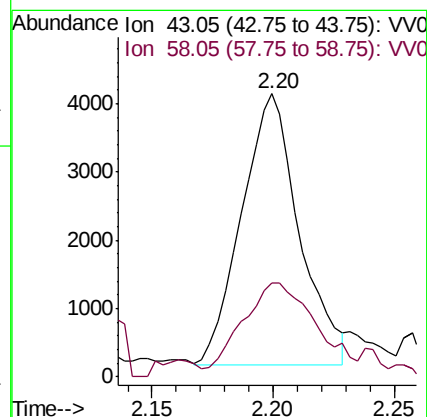
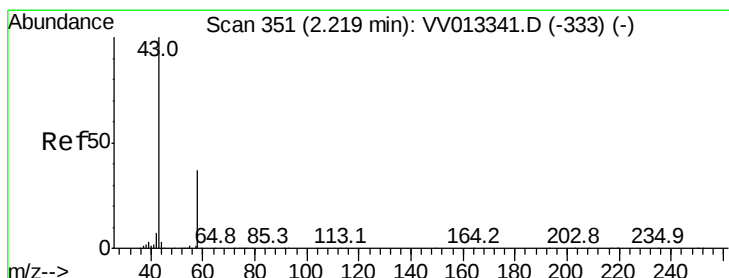
Acq: 25 Oct 2019 16:08

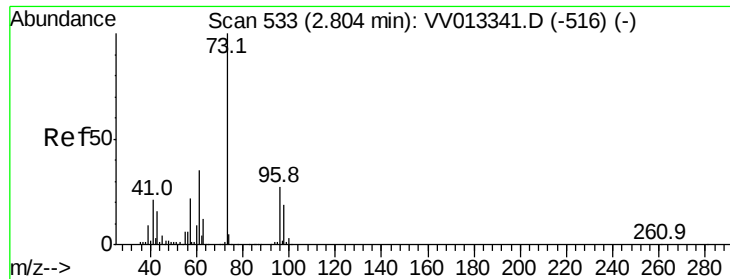
Tgt Ion: 43 Resp: 6590

Ion Ratio Lower Upper

43 100

58 32.3 0.0 26.2#





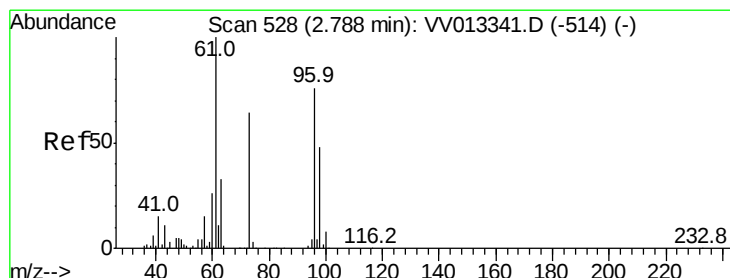
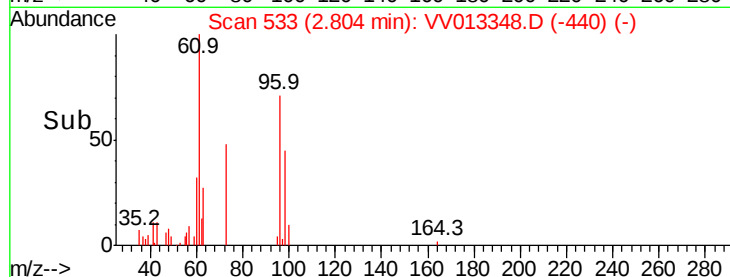
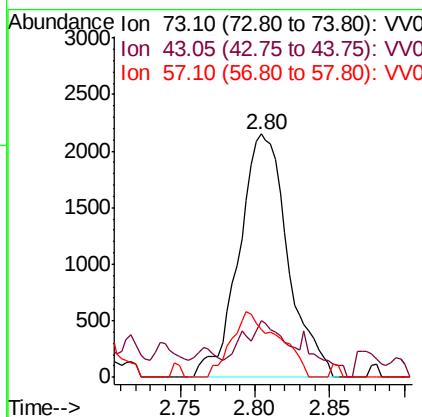
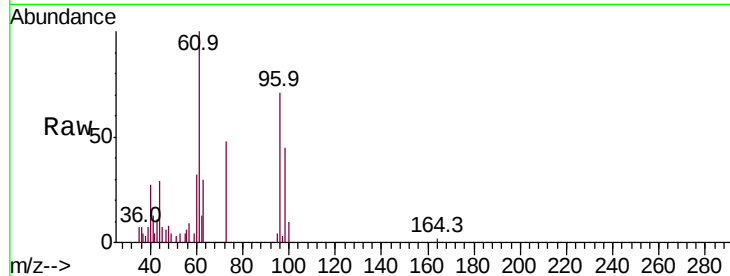
#17
Methvl tert-butvl Ether
Concen: 0.067 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013348.D
Acq: 25 Oct 2019 16:08

Instrument :
MSVOA_V
ClientSampleId :
C0K10

Tot Ion	Ratio	Lower	Upper
73	100		
43	7.8	13.1	19.7#
57	25.9	16.4	24.6#

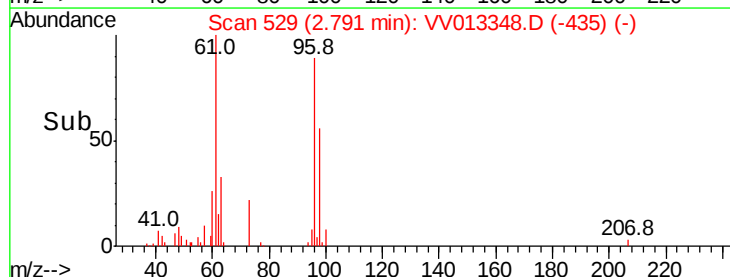
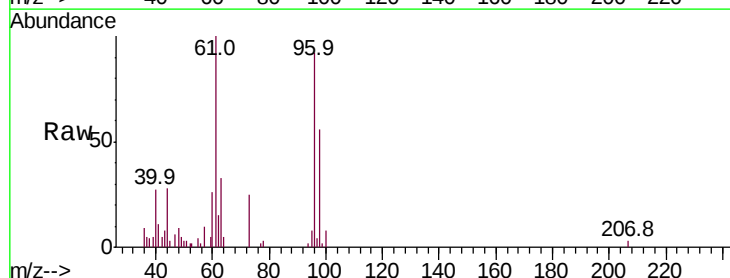
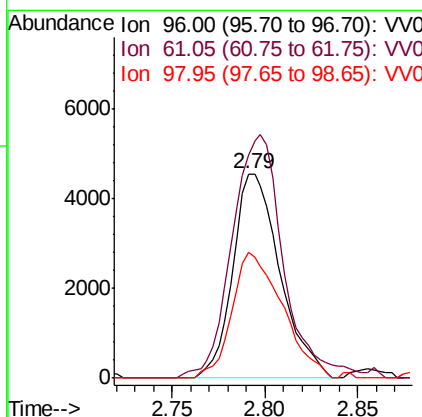
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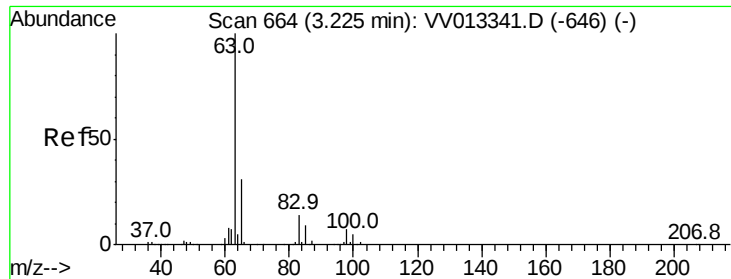
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#18
trans-1,2-Dichloroethene
Concen: 0.217 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013348.D
Acq: 25 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	104.6	84.4	156.8
98	58.9	44.4	82.4





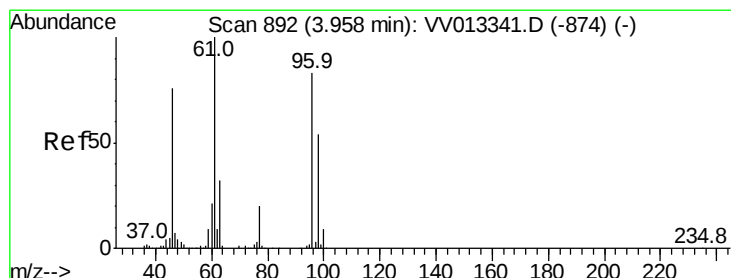
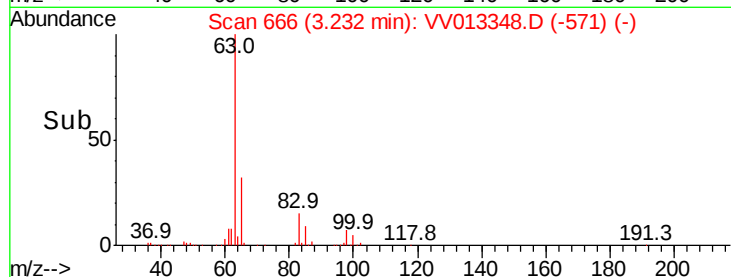
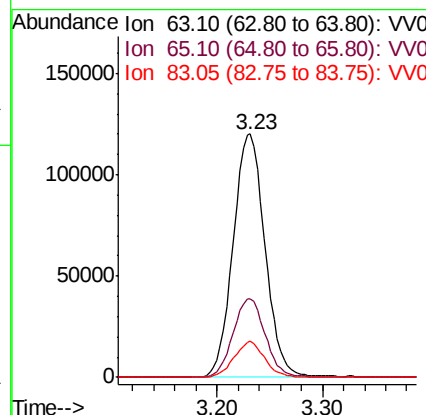
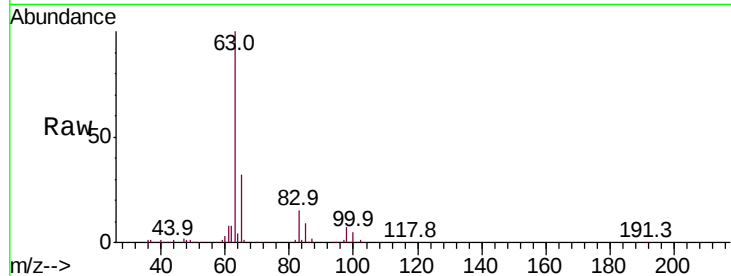
#19
 1,1-Dichloroethane
 Concen: 4.184 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV013348.D
 Acq: 25 Oct 2019 16:08

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K10

Tot Ion	Ratio	Resp	Lower	Upper
63	100	251750		
65	32.4		23.0	42.8
83	14.7		10.2	19.0

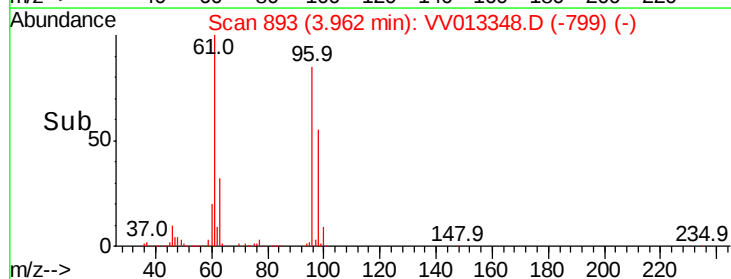
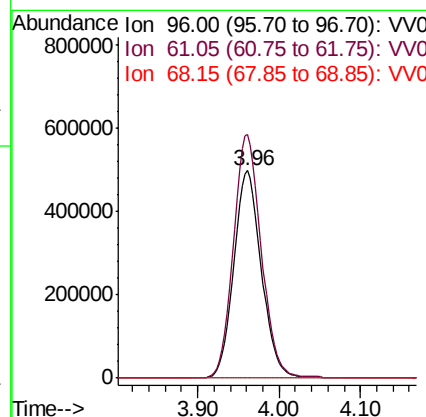
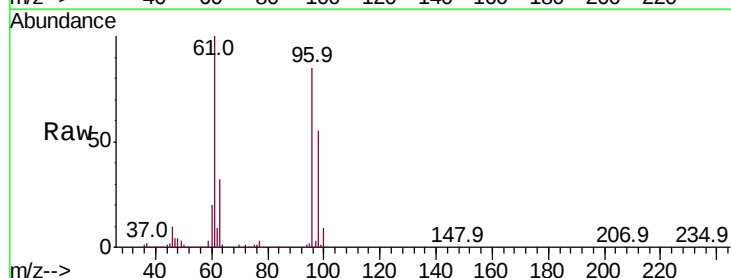
Manual Integrations
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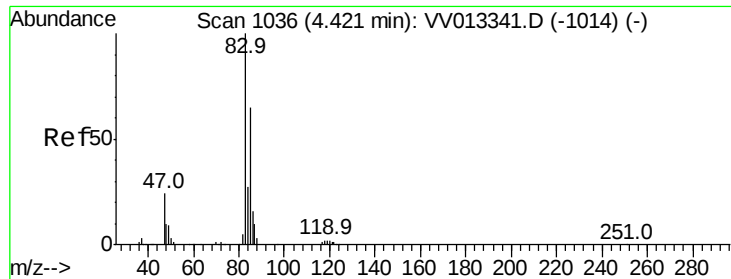
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#22
 cis-1,2-Dichloroethene
 Concen: 29.747 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV013348.D
 Acq: 25 Oct 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	1178667		
61	117.5		77.3	143.7
68	0.0		0.1	0.1#





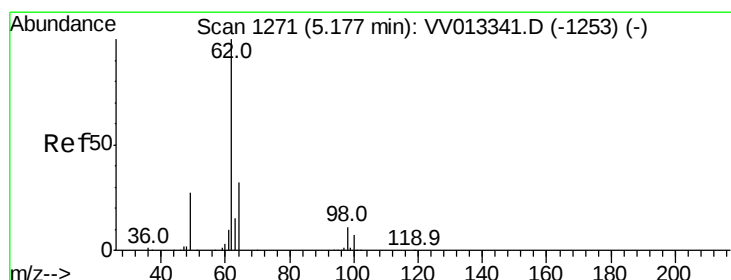
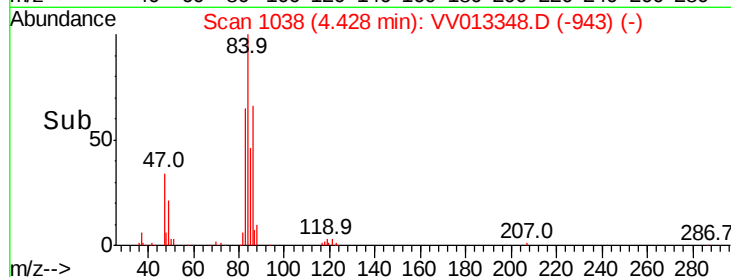
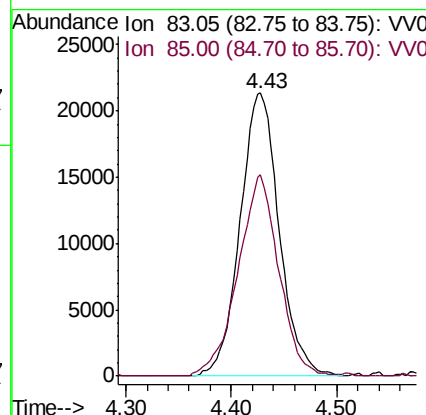
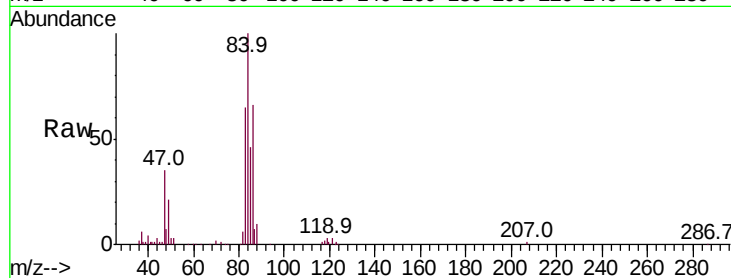
#25
Chloroform
Concen: 0.701 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV013348.D
Acq: 25 Oct 2019 16:08

Instrument :
MSVOA_V
ClientSampleId :
C0K10

Tot Ion: 83 Resp: 55022
Ion Ratio Lower Upper
83 100
85 71.3 45.7 84.9

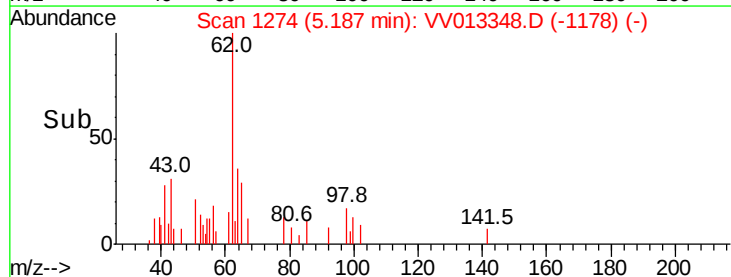
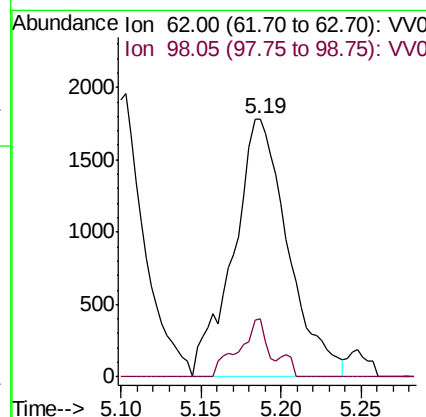
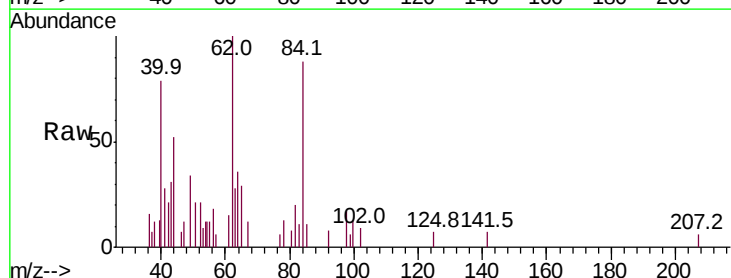
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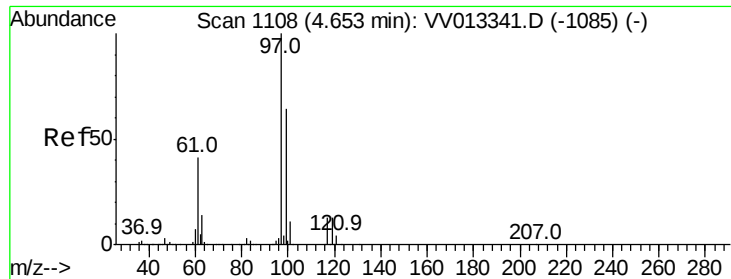
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#27
1,2-Dichloroethane
Concen: 0.100 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VV013348.D
Acq: 25 Oct 2019 16:08

Tgt Ion: 62 Resp: 4172
Ion Ratio Lower Upper
62 100
98 22.7 8.3 12.5#





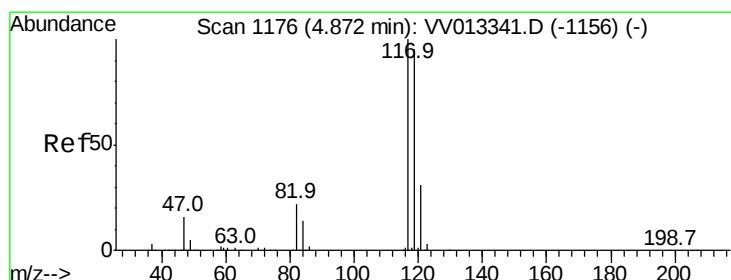
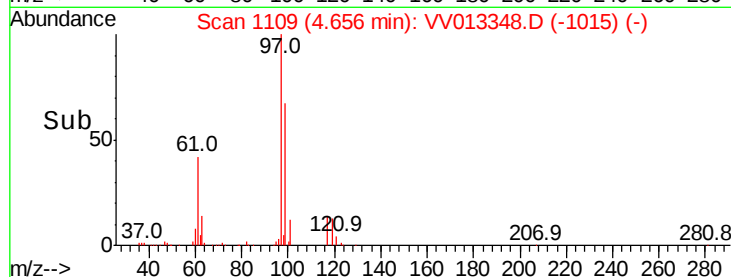
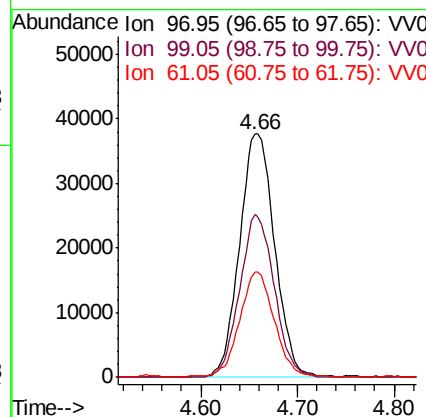
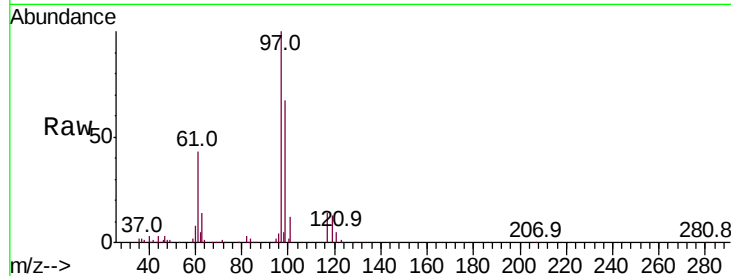
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 1,1,1-Trichloroethane
 Concen: 1.510 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV013348.D
 Acq: 25 Oct 2019 16:08

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K10

Tot Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.7	77.5
61	41.3	34.3	51.5

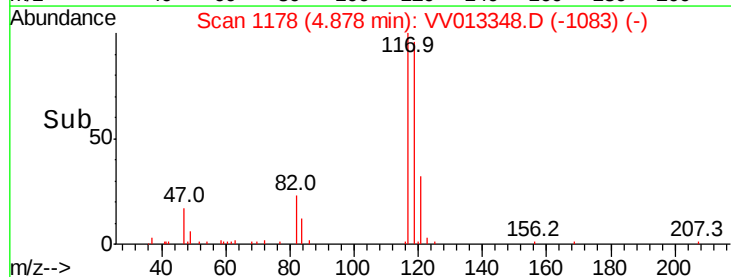
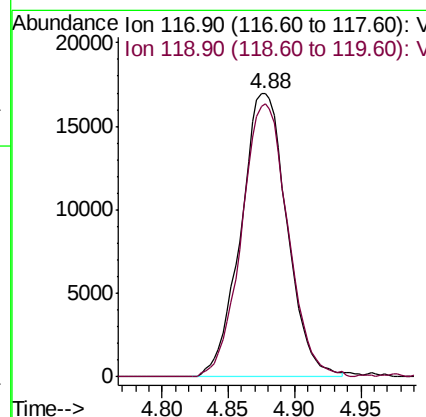
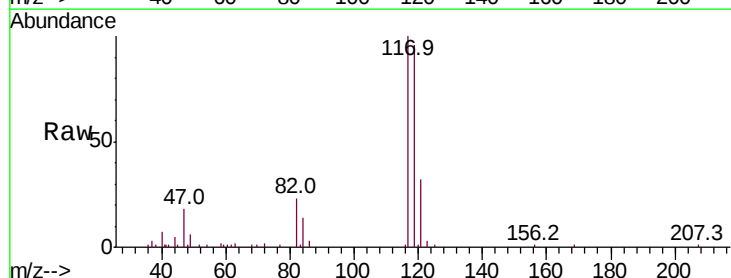
Manual Integrations
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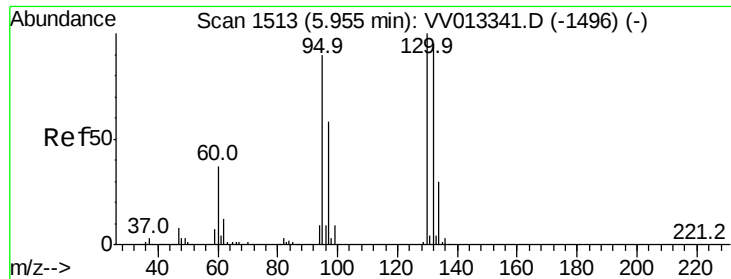
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#31
 Carbon tetrachloride
 Concen: 0.725 ug/L
 RT: 4.88 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: VV013348.D
 Acq: 25 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.4	116.0





#34

Trichloroethene

Concen: 39.977 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013348.D

Acq: 25 Oct 2019 16:08

Instrument :

MSVOA_V

ClientSampleId :

C0K10

Tot Ion: 95 Resp: 1750247

Ion Ratio Lower Upper

95 100

97 65.4 45.2 84.0

132 107.0 70.6 131.2

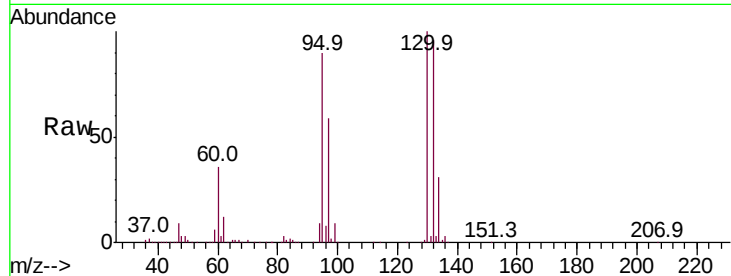
130 111.0 75.5 140.3

Manual Integrations

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10/28/2019 9:48:59 AM



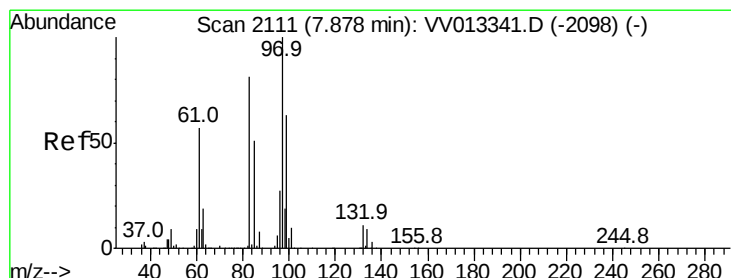
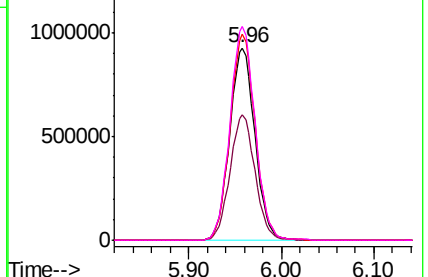
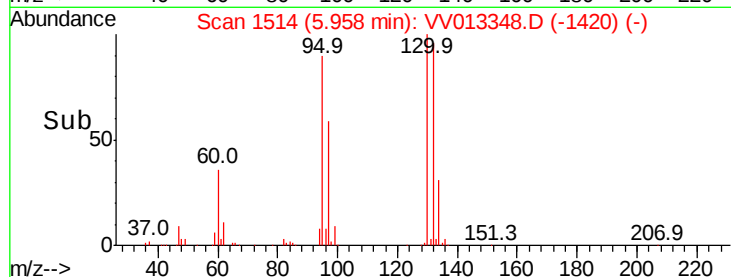
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#45

1,1,2-Trichloroethane

Concen: 0.343 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VV013348.D

Acq: 25 Oct 2019 16:08

Tgt Ion: 97 Resp: 9486

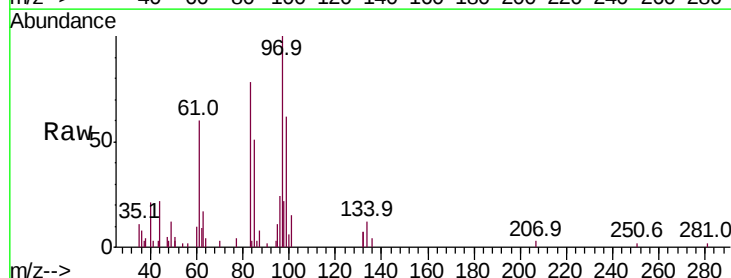
Ion Ratio Lower Upper

97 100

99 62.3 42.2 78.4

83 77.9 58.4 108.4

85 50.8 37.0 68.6



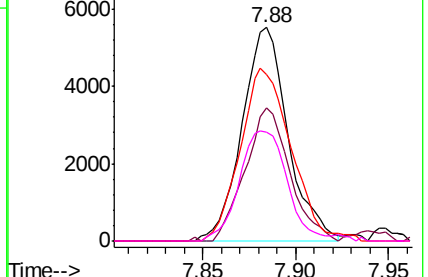
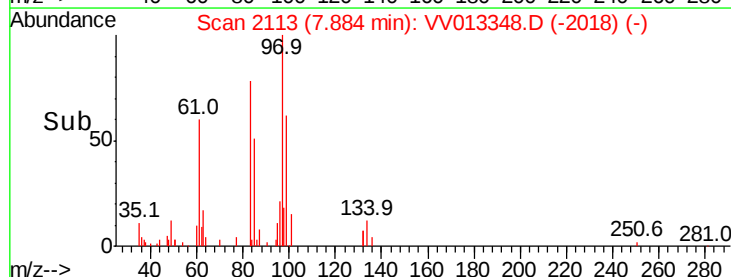
Abundance

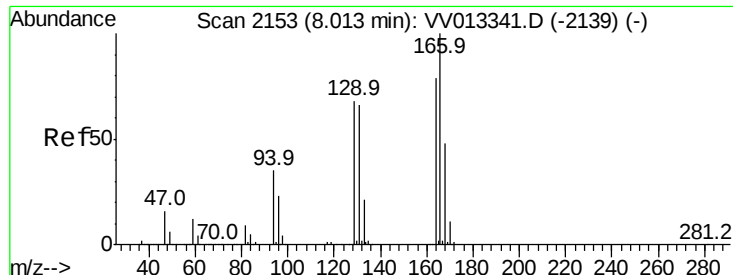
Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0





#47

Tetrachloroethene

Concen: 33.806 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013348.D

Acq: 25 Oct 2019 16:08

Instrument :
MSVOA_V
ClientSampleId :
C0K10

Tot Ion:164 Resp: 1344091

Ion Ratio Lower Upper

164 100

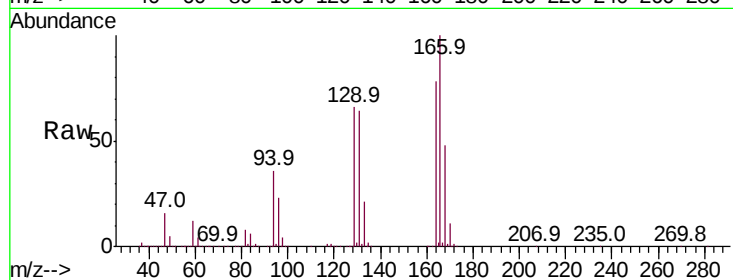
129 84.5 61.0 113.2

131 82.2 57.5 106.9

166 127.9 87.8 163.0

Manual Integrations
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Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

