

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072519\
 Data File : VU033435.D
 Acq On : 26 Jul 2019 01:18
 Operator : JC/SP
 Sample : K3976-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CA9

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 10:53:40 AM

Quant Time: Jul 26 08:01:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 26 05:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	283309	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	287024	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	123958	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	122546	57.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	114.28%
7) Chloroethane-d5	1.67	69	108074	58.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	117.98%
11) 1,1-Dichloroethene-d2	2.26	63	156374	40.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.40%
21) 2-Butanone-d5	4.15	46	150635	110.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.85%
24) Chloroform-d	4.62	84	189599	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.50%
26) 1,2-Dichloroethane-d4	5.29	65	132291	57.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.78%
32) Benzene-d6	5.32	84	401360	57.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.00%
36) 1,2-Dichloropropane-d6	6.31	67	126824	56.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.46%
41) Toluene-d8	7.55	98	363179	54.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.40%
43) trans-1,3-Dichloropropene-	7.83	79	56822	51.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.76%
47) 2-Hexanone-d5	8.29	63	110054	108.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.23%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	189621	55.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.08%
64) 1,2-Dichlorobenzene-d4	11.85	152	133995	60.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	121.22%#

Target Compounds

					Ovalue
13) Acetone	2.31	43	2869	1.690 ug/L	92
17) trans-1,2-Dichloroethene	2.96	96	5746	2.940 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	34874	15.820 ug/L	99
31) Carbon tetrachloride	5.11	117	36866	12.580 ug/L	98
34) Trichloroethene	6.17	95	18806591m	8591.071 ug/L	
45) 1,1,2-Trichloroethane	8.05	97	11028	5.137 ug/L	96
46) Tetrachloroethene	8.21	164	13418	7.918 ug/L	96

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

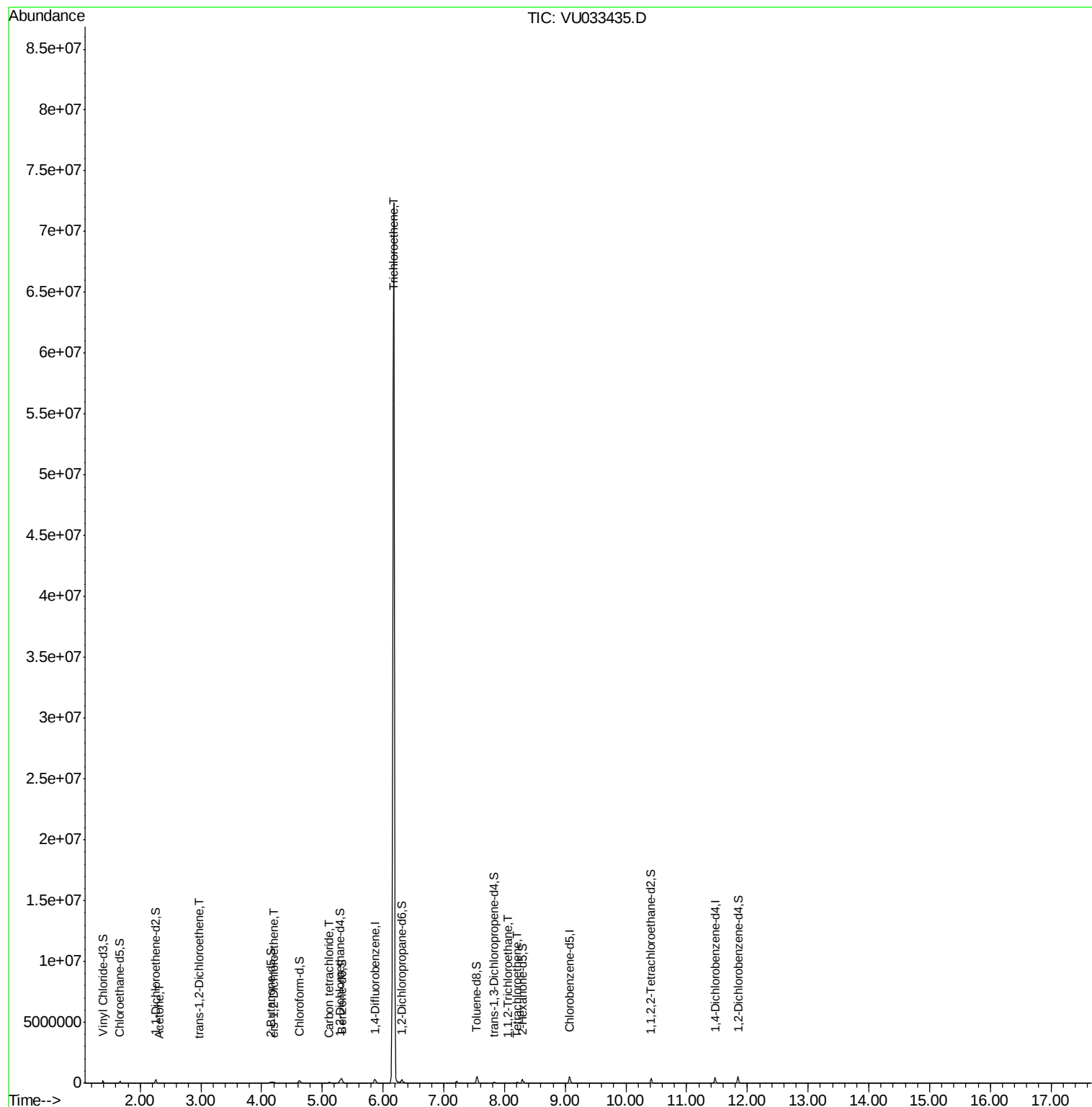
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072519\
Data File : VU033435.D
Acq On : 26 Jul 2019 01:18
Operator : JC/SP
Sample : K3976-11
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ALS Vial : 43 Sample Multiplier: 1

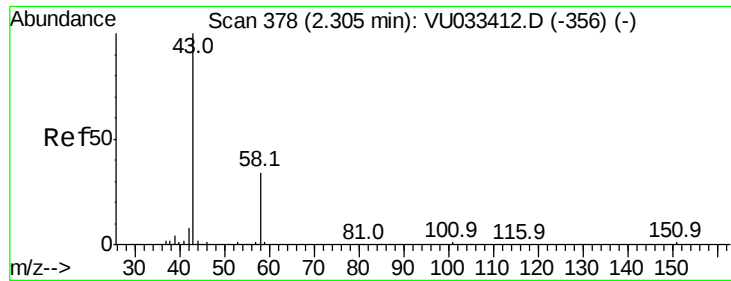
Instrument :
MSVOA_U
ClientSampleId :
C0CA9

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Quant Time: Jul 26 08:01:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 05:48:12 2019
Response via : Initial Calibration





#13

Acetone

Concen: 1.690 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033435.D

Acq: 26 Jul 2019 01:18

Instrument :

MSVOA_U

ClientSampleId :

C0CA9

Tot Ion: 43 Resp: 2869

Ion Ratio Lower Upper

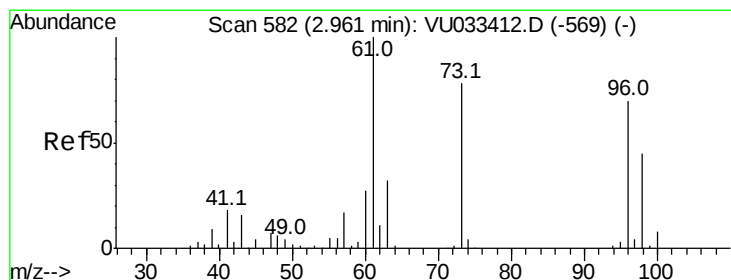
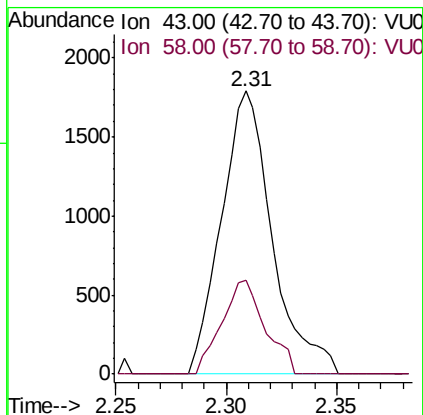
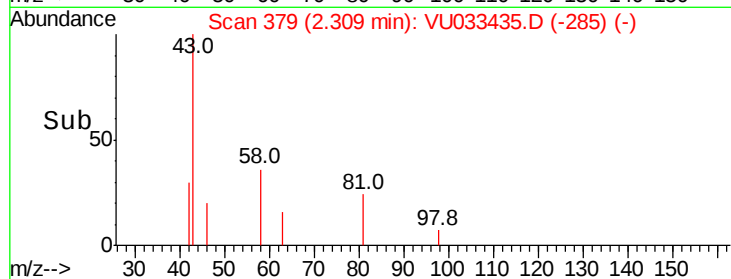
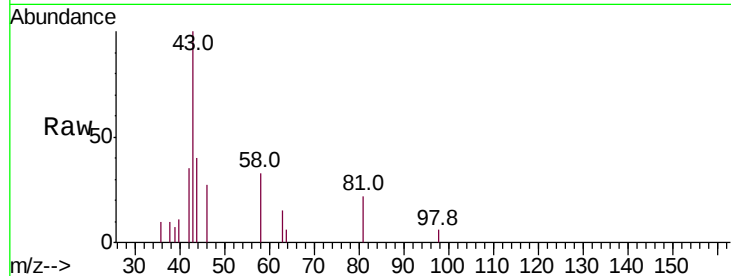
43 100

58 28.4 0.0 65.4

Manual Integrations
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#17

trans-1,2-Dichloroethene

Concen: 2.940 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033435.D

Acq: 26 Jul 2019 01:18

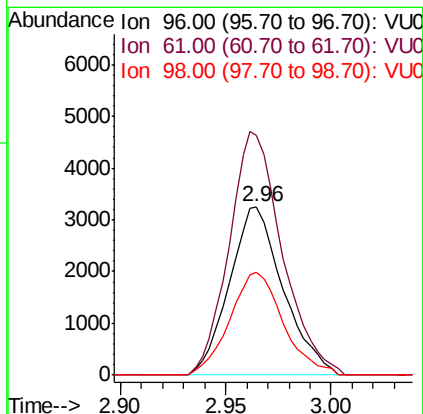
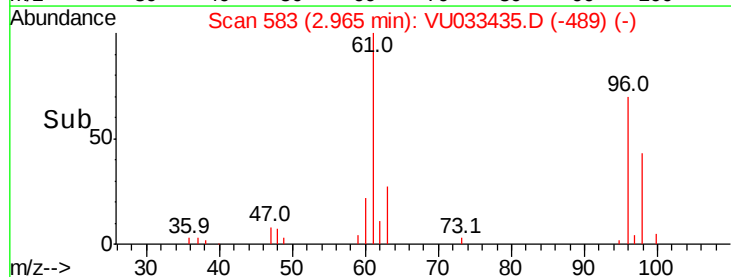
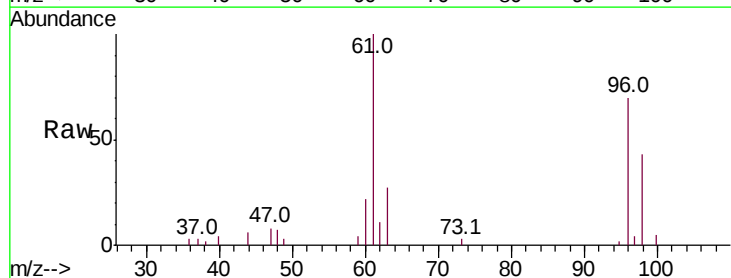
Tgt Ion: 96 Resp: 5746

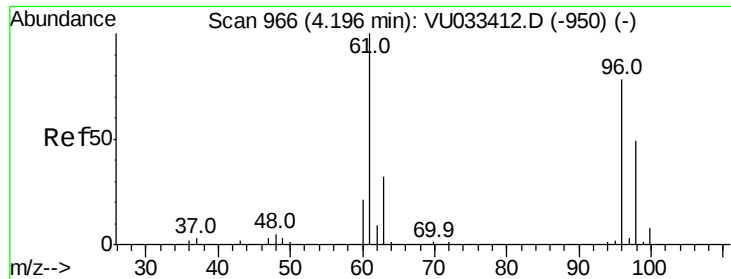
Ion Ratio Lower Upper

96 100

61 142.6 100.2 186.2

98 61.5 44.2 82.0





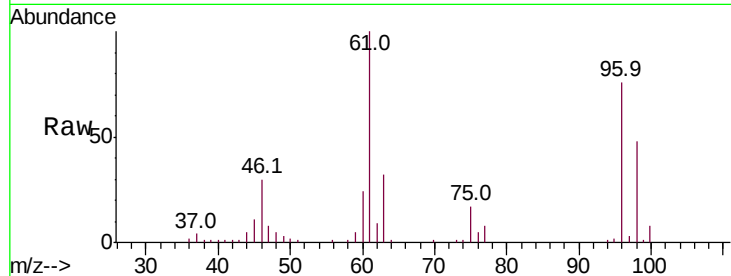
#20
 cis-1,2-Dichloroethene
 Concen: 15.820 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033435.D
 Acq: 26 Jul 2019 01:18

Instrument :
 MSVOA_U
 ClientSampleID :
 C0CA9

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.8	91.1	169.1
68	0.0	0.0	0.0

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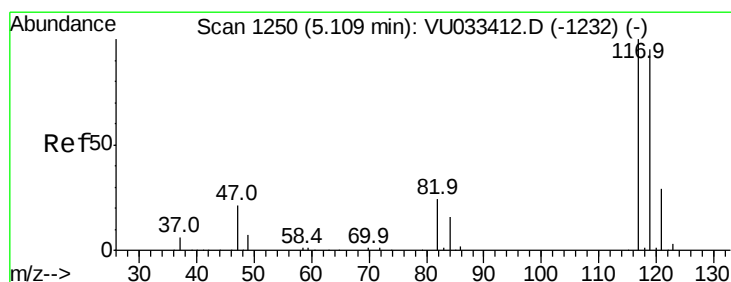
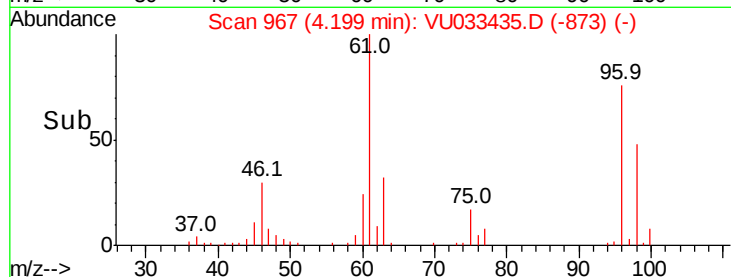
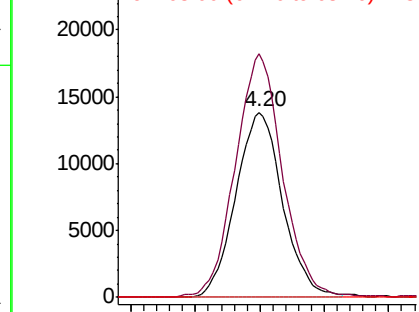
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Abundance Ion 96.00 (95.70 to 96.70): VU033412.D (-950) (-)

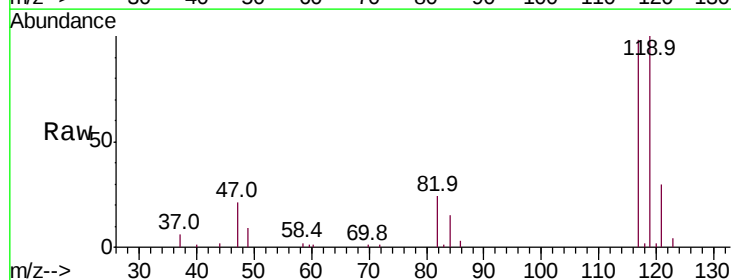
Ion 61.00 (60.70 to 61.70): VU033412.D (-950) (-)

Ion 68.00 (67.70 to 68.70): VU033412.D (-950) (-)



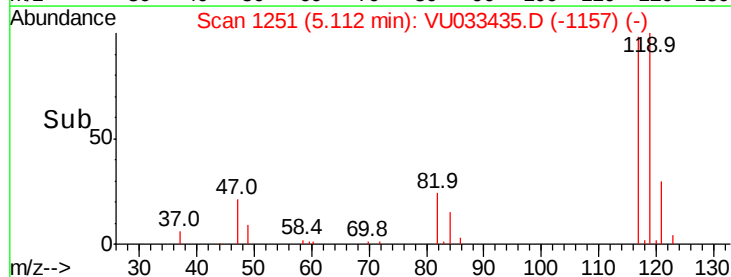
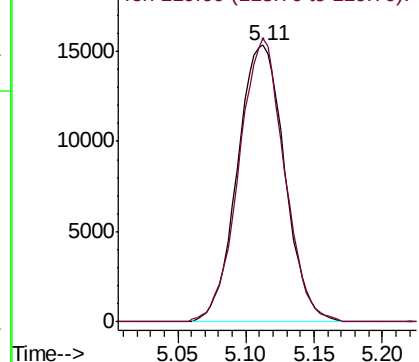
#31
 Carbon tetrachloride
 Concen: 12.580 ug/L
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU033435.D
 Acq: 26 Jul 2019 01:18

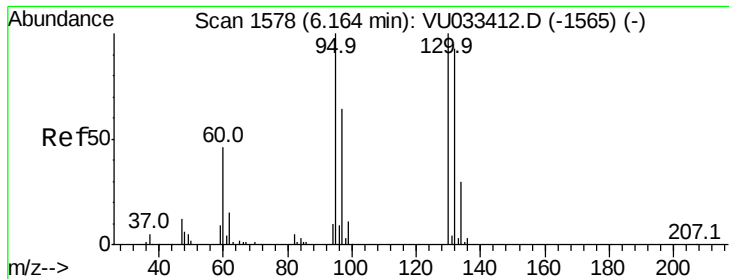
Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.9	115.3



Abundance Ion 117.00 (116.70 to 117.70): VU033412.D (-1232) (-)

Ion 119.00 (118.70 to 119.70): VU033412.D (-1232) (-)





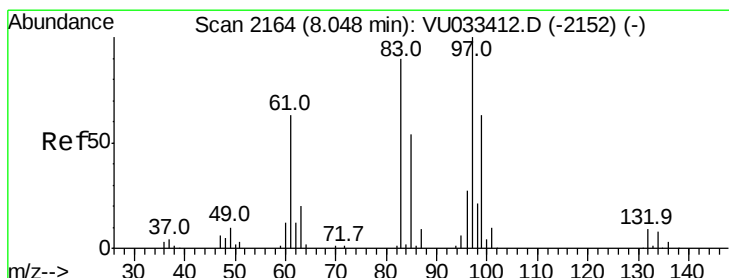
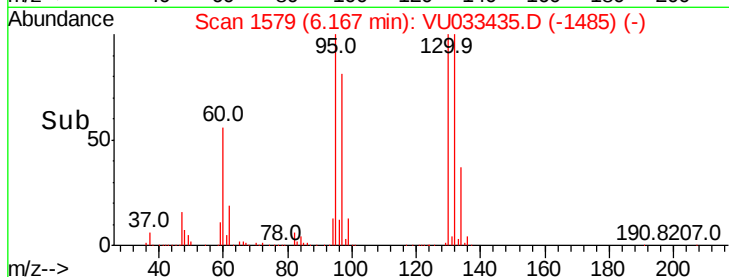
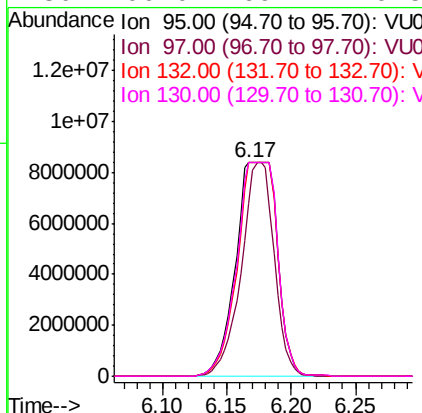
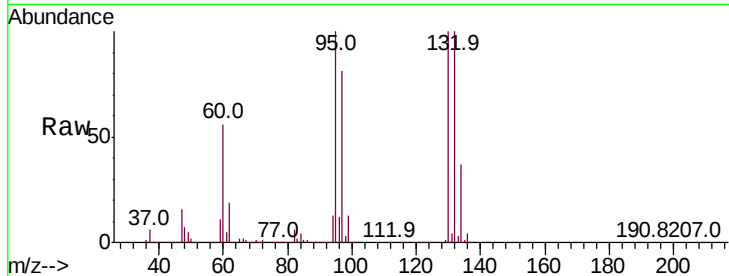
#34
 Trichloroethene
 Concen: 8591.071 ug/L m
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033435.D
 Acq: 26 Jul 2019 01:18

Instrument :
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 C0CA9

Tot Ion: 95 Resp: 18806591
 Ion Ratio Lower Upper
 95 100
 97 80.8 43.8 81.4
 132 100.0 65.5 121.6
 130 100.0 69.7 129.5

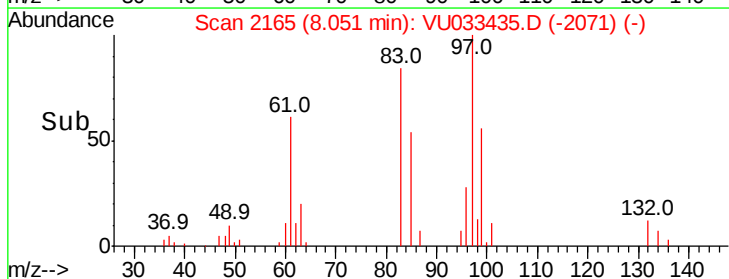
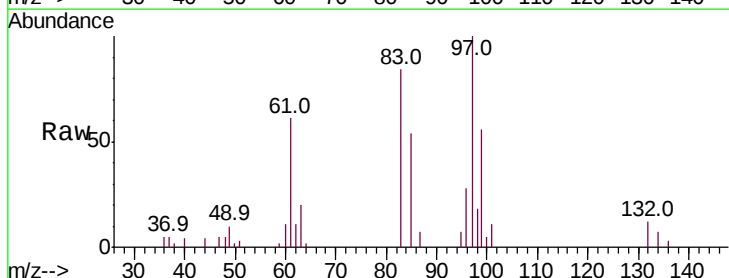
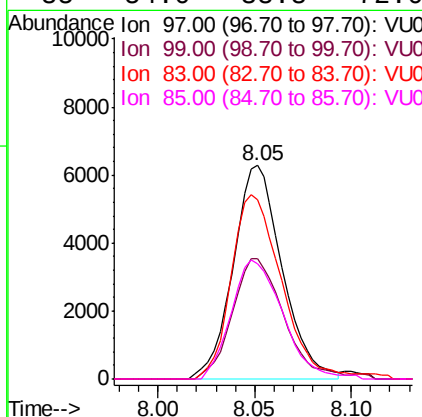
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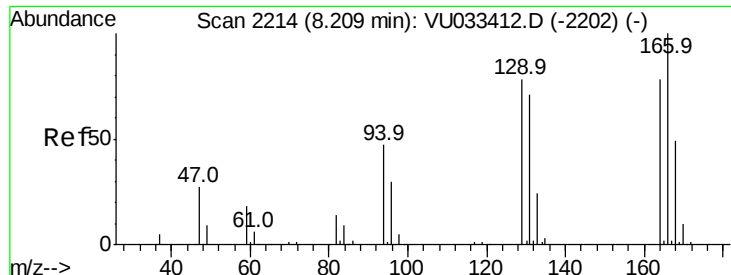
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 7/26/2019 10:53:40 AM



#45
 1,1,2-Trichloroethane
 Concen: 5.137 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033435.D
 Acq: 26 Jul 2019 01:18

Tgt Ion: 97 Resp: 11028
 Ion Ratio Lower Upper
 97 100
 99 56.1 43.0 79.8
 83 84.0 61.5 114.3
 85 54.0 38.8 72.0





#46

Tetrachloroethene

Concen: 7.918 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033435.D

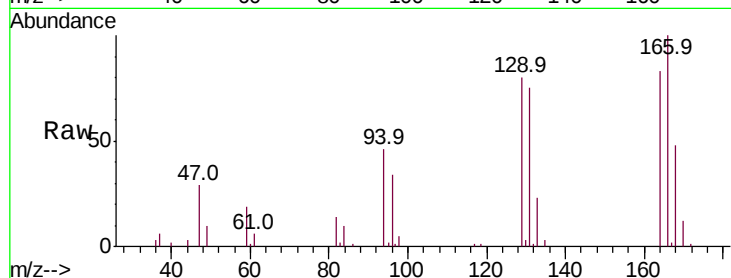
Acq: 26 Jul 2019 01:18

Instrument :

MSVOA_U

ClientSampleId :

C0CA9



Tot Ion:164 Resp: 13418

Ion Ratio Lower Upper

164 100

129 96.6 69.6 129.2

131 91.1 65.7 122.1

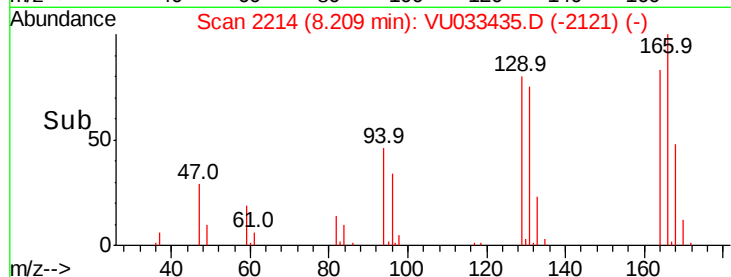
166 120.9 88.5 164.4

Manual Integrations

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7/26/2019 10:53:40 AM



Abundance Ion 164.00 (163.70 to 164.70): V

15000 Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

