

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072519\
 Data File : VU033431.D
 Acq On : 25 Jul 2019 23:46
 Operator : JC/SP
 Sample : K3976-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CB9

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 10:53:36 AM

Quant Time: Jul 26 07:42:29 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	274101	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	281118	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	123306	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	122672	59.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	118.24%
7) Chloroethane-d5	1.67	69	108652	61.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.60%
11) 1,1-Dichloroethene-d2	2.25	63	161772	42.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.96%
21) 2-Butanone-d5	4.15	46	142970	108.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.75%
24) Chloroform-d	4.62	84	185373	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.62%
26) 1,2-Dichloroethane-d4	5.29	65	131791	59.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	118.18%
32) Benzene-d6	5.32	84	393177	57.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.02%
36) 1,2-Dichloropropane-d6	6.31	67	126788	57.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.78%
41) Toluene-d8	7.55	98	361508	55.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.18%
43) trans-1,3-Dichloropropene-	7.83	79	56208	51.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.78%
47) 2-Hexanone-d5	8.29	63	107750	108.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.19%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	187008	55.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.86%
64) 1,2-Dichlorobenzene-d4	11.85	152	132351	60.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	120.38%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	2320	1.412	ug/L	92
20) cis-1,2-Dichloroethene	4.20	96	2624m	1.230	ug/L	
31) Carbon tetrachloride	5.10	117	2355m	0.821	ug/L	
34) Trichloroethene	6.16	95	2331740	1087.544	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	1274	0.606	ug/L	92
46) Tetrachloroethene	8.21	164	134668	81.137	ug/L	99

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

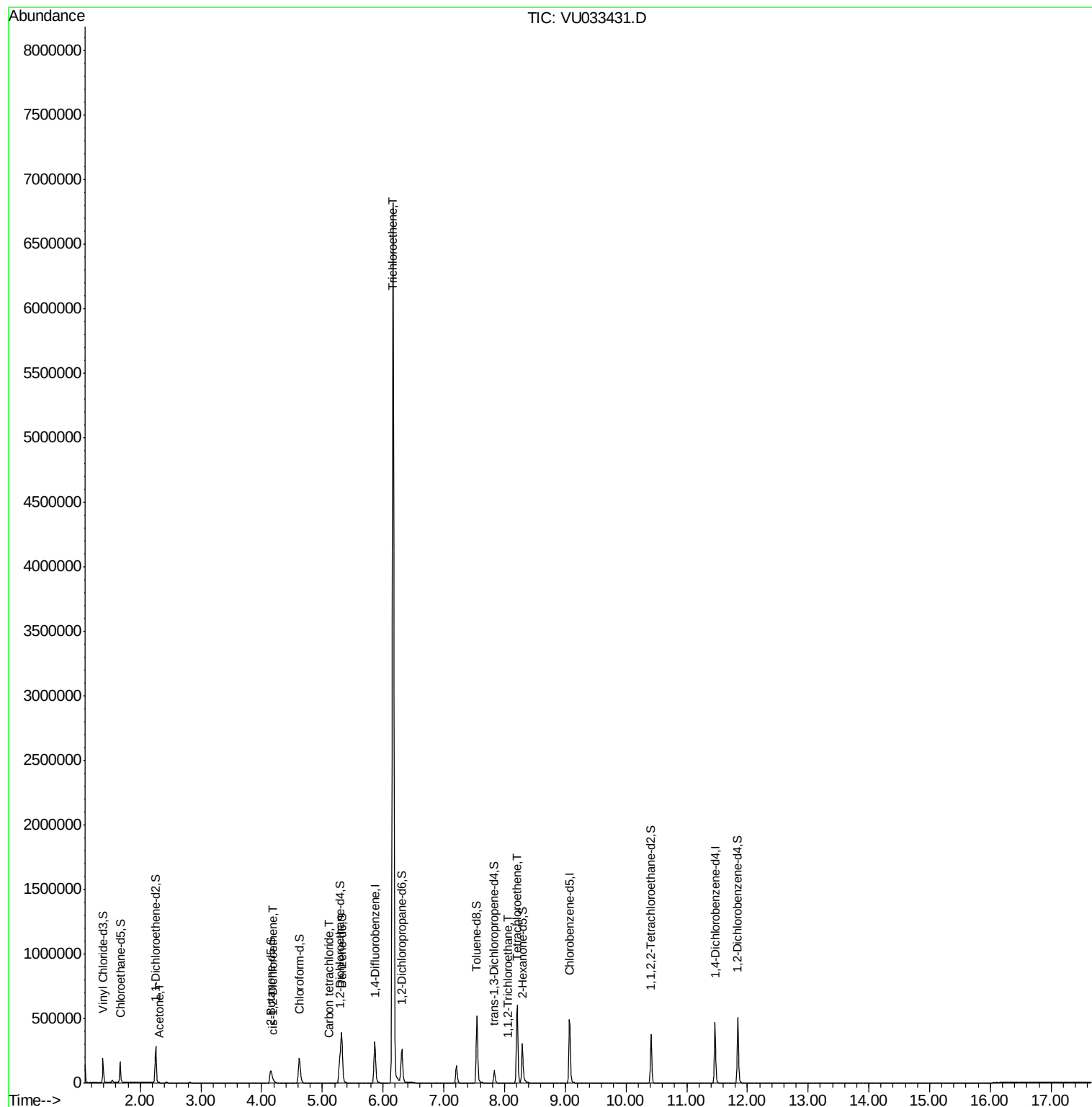
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072519\
Data File : VU033431.D
Acq On : 25 Jul 2019 23:46
Operator : JC/SP
Sample : K3976-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

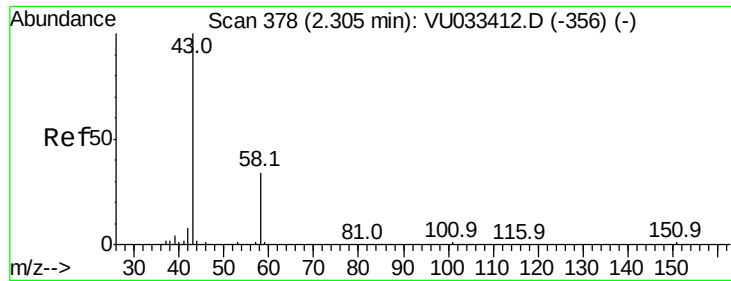
Instrument :
MSVOA_U
ClientSampleId :
C0CB9

Manual Integrations
APPROVED

MMDadoda
7/26/2019 10:53:36 AM

Quant Time: Jul 26 07:42:29 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





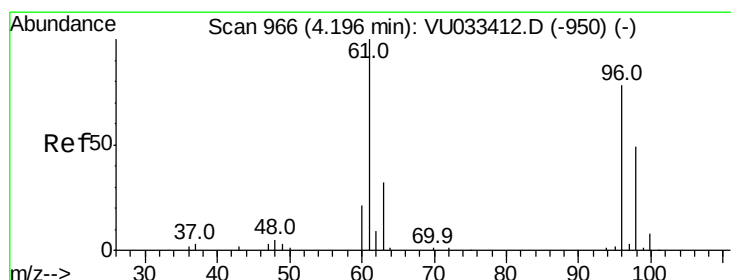
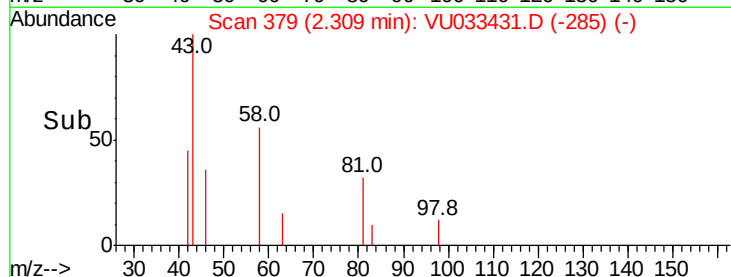
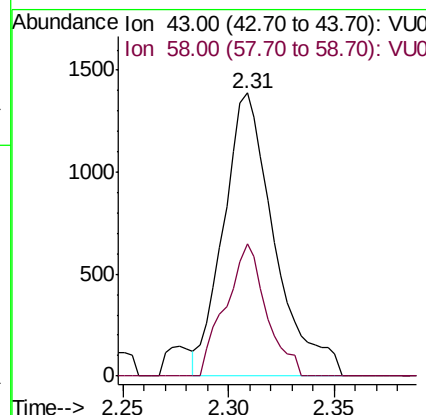
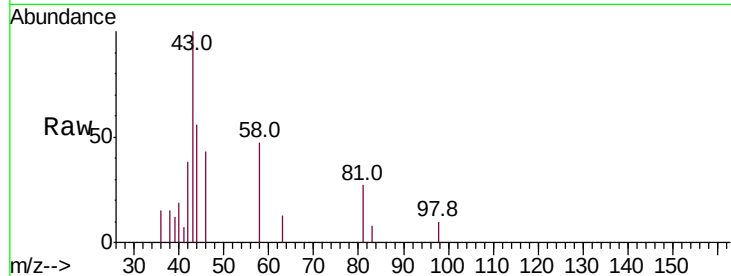
#13
Acetone
Concen: 1.412 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU033431.D
Acq: 25 Jul 2019 23:46

Instrument :
MSVOA_U
ClientSampleId :
C0CB9

Tot Ion: 43 Resp: 2320
Ion Ratio Lower Upper
43 100
58 37.5 0.0 65.4

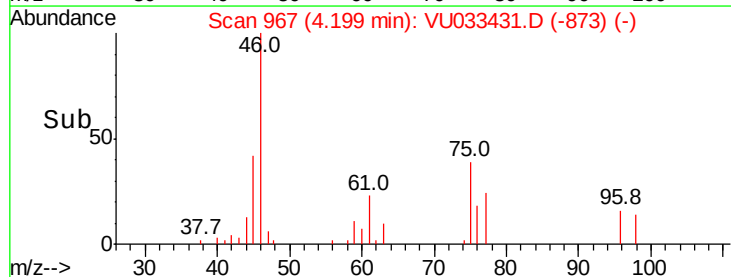
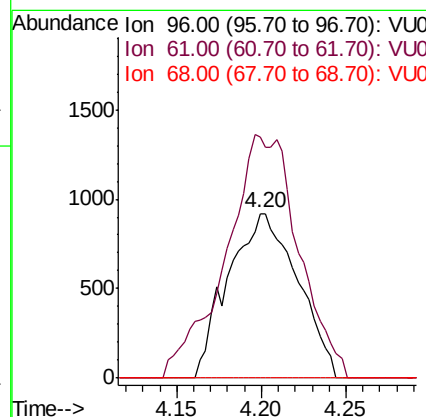
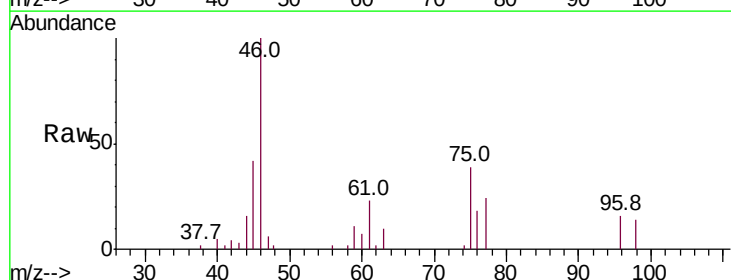
Manual Integrations
APPROVED

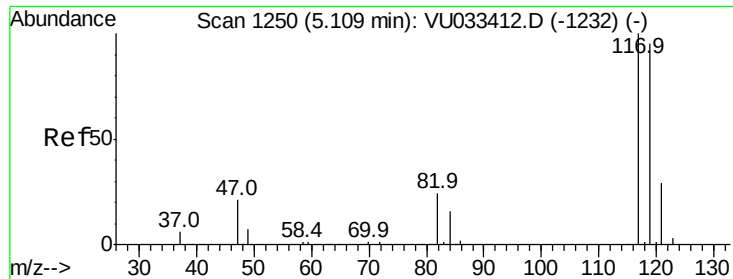
MMDadoda
7/26/2019 10:53:36 AM



#20
cis-1,2-Dichloroethene
Concen: 1.230 ug/L m
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033431.D
Acq: 25 Jul 2019 23:46

Tgt Ion: 96 Resp: 2624
Ion Ratio Lower Upper
96 100
61 146.9 91.1 169.1
68 0.0 0.0 0.0





#31

Carbon tetrachloride

Concen: 0.821 ug/L m

RT: 5.10 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VU033431.D

Acq: 25 Jul 2019 23:46

Instrument :

MSVOA_U

ClientSampleId :

C0CB9

Tot Ion:117 Resp: 2355

Ion Ratio Lower Upper

117 100

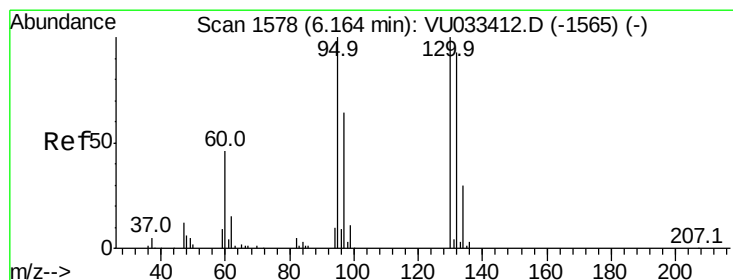
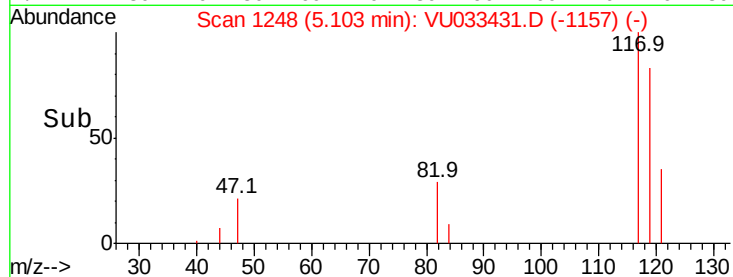
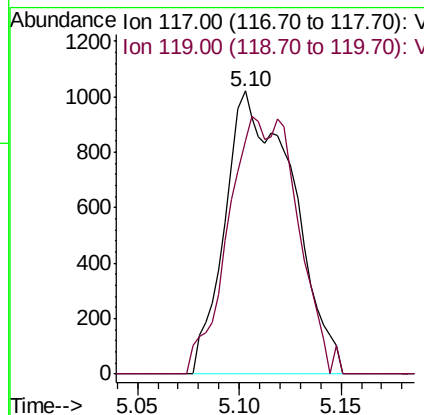
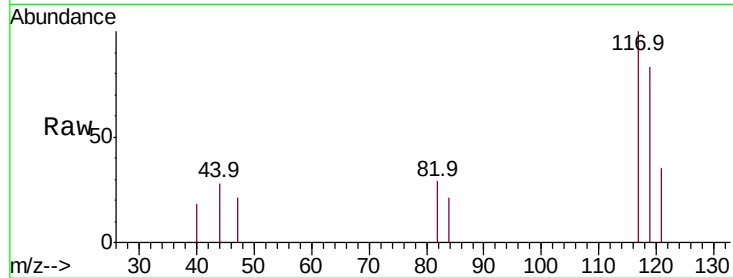
119 51.0 76.9 115.3#

Manual Integrations

APPROVED

MMDadoda

7/26/2019 10:53:36 AM



#34

Trichloroethene

Concen: 1087.544 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033431.D

Acq: 25 Jul 2019 23:46

Tgt Ion: 95 Resp: 2331740

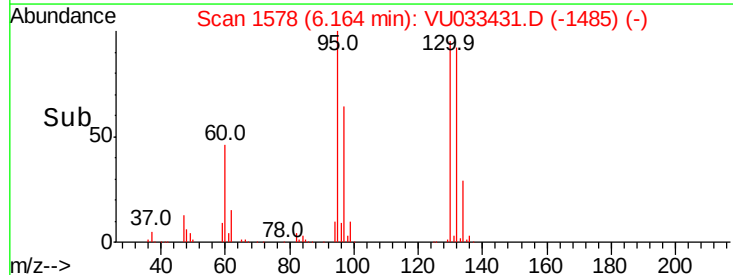
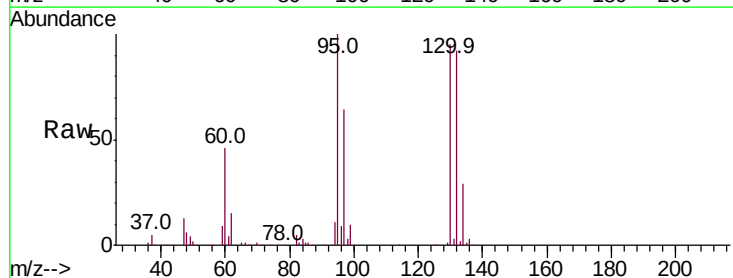
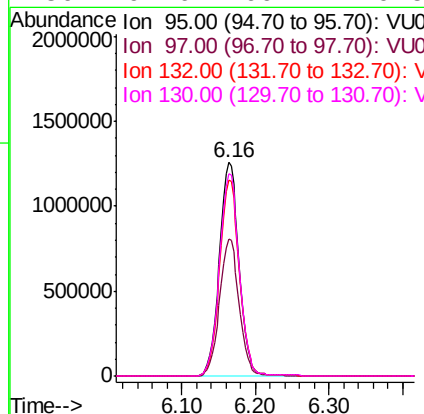
Ion Ratio Lower Upper

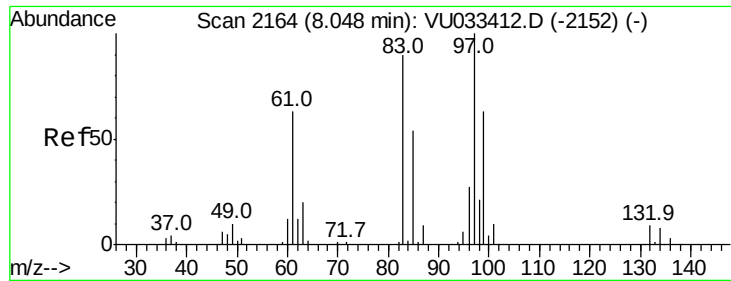
95 100

97 64.1 43.8 81.4

132 91.7 65.5 121.6

130 94.6 69.7 129.5





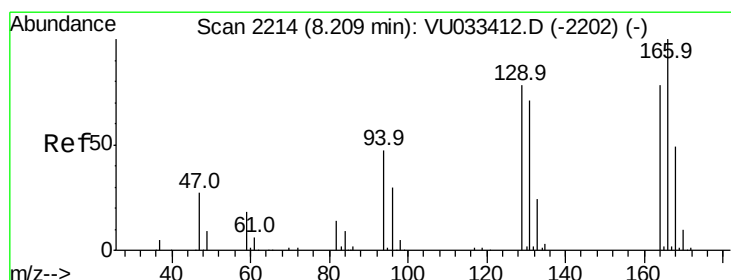
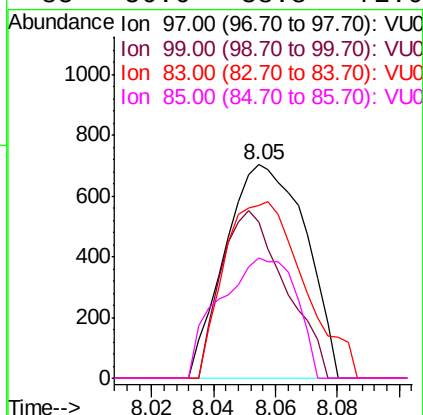
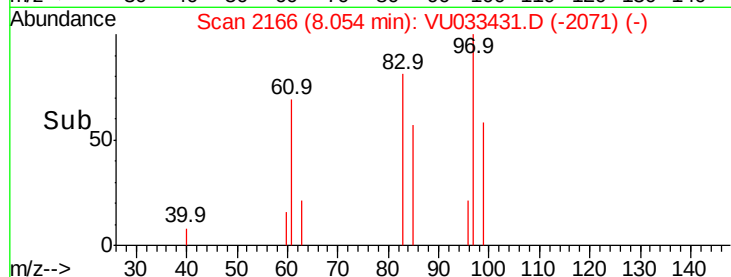
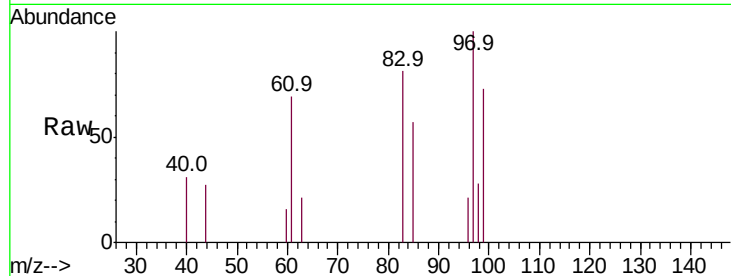
#45
1,1,2-Trichloroethane
Concen: 0.606 ug/L
RT: 8.05 min Scan# 2166
Delta R.T. 0.01 min
Lab File: VU033431.D
Acq: 25 Jul 2019 23:46

Instrument :
MSVOA_U
ClientSampled :
C0CB9

Tot Ion	Ratio	Lower	Upper
97	100		
99	73.4	43.0	79.8
83	81.1	61.5	114.3
85	56.6	38.8	72.0

Manual Integrations
APPROVED

MMDadoda
7/26/2019 10:53:36 AM



#46
Tetrachloroethene
Concen: 81.137 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033431.D
Acq: 25 Jul 2019 23:46

Tgt Ion	Ratio	Lower	Upper
164	100		
129	99.1	69.6	129.2
131	94.6	65.7	122.1
166	128.9	88.5	164.4

