

Data File : VU033436.D
Acq On : 26 Jul 2019 01:40
Operator : JC/SP
Sample : K3976-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CB1

Quant Time: Jul 26 05:55:52 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	278488	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	287014	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	126766	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	123992	58.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	117.64%
7) Chloroethane-d5	1.67	69	109902	61.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.04%
11) 1,1-Dichloroethene-d2	2.25	63	167251	43.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.48%
21) 2-Butanone-d5	4.15	46	153123	114.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.63%
24) Chloroform-d	4.62	84	197366	55.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.72%
26) 1,2-Dichloroethane-d4	5.29	65	132234	58.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.72%
32) Benzene-d6	5.32	84	403514	57.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.62%
36) 1,2-Dichloropropane-d6	6.31	67	125970	55.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.70%
41) Toluene-d8	7.55	98	365044	54.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.96%
43) trans-1,3-Dichloropropene-	7.83	79	59137	53.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.94%
47) 2-Hexanone-d5	8.30	63	110197	108.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.38%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	190292	55.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.48%
64) 1,2-Dichlorobenzene-d4	11.85	152	138599	61.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	122.62%#

Target Compounds

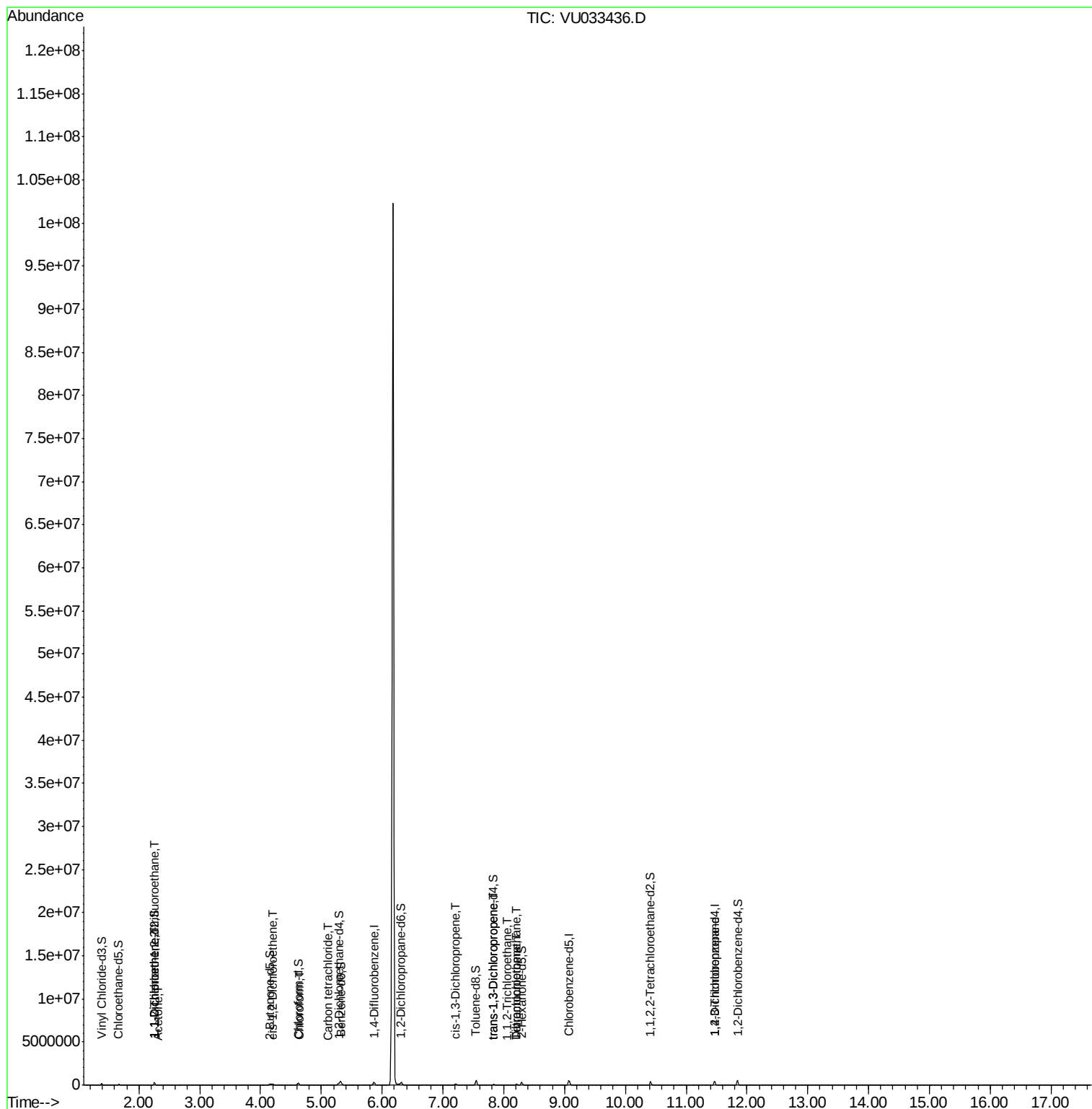
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1441	0.758 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	2172	1.168 ug/L #	1
13) Acetone	2.31	43	2639	1.581 ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	33767	15.583 ug/L	98
25) Chloroform	4.65	83	6217	1.583 ug/L	80
31) Carbon tetrachloride	5.11	117	7873	2.687 ug/L	97
39) cis-1,3-Dichloropropene	7.21	75	3464	0.995 ug/L #	71
44) trans-1,3-Dichloropropene	7.83	75	2386	0.760 ug/L #	81
45) 1,1,2-Trichloroethane	8.05	97	4904	2.284 ug/L	95
46) Tetrachloroethene	8.21	164	17239	10.173 ug/L	97
49) Dibromochloromethane	8.21	129	17235	7.197 ug/L #	11
59) 1,2,3-Trichloropropane	11.47	75	15912	5.385 ug/L	96

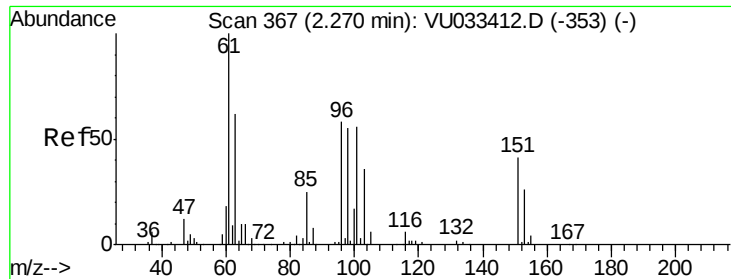
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.758 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033436.D

Acq: 26 Jul 2019 01:40

Instrument :

MSVOA_U

ClientSampleId :

C0CB1

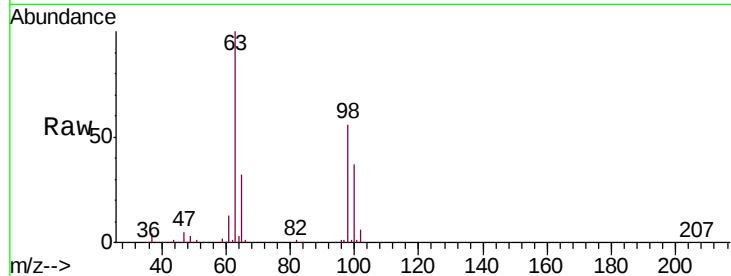
Tgt Ion: 101 Resp: 1441

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

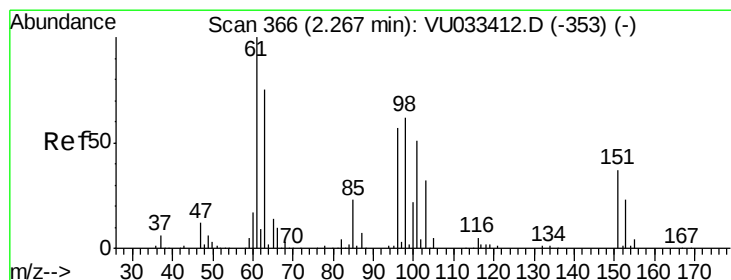
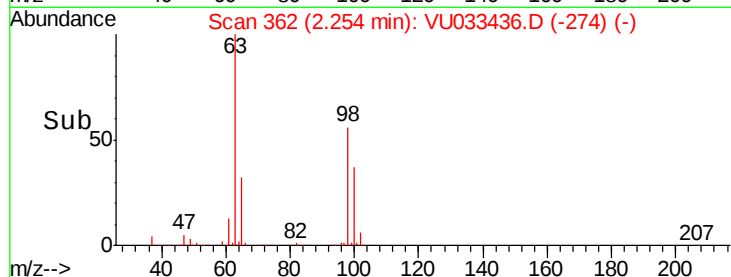
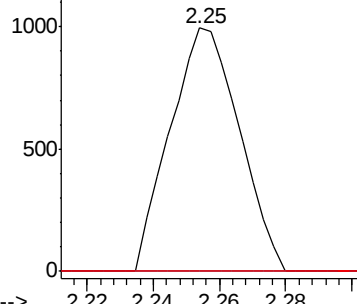
151 0.0 56.7 85.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.168 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033436.D

Acq: 26 Jul 2019 01:40

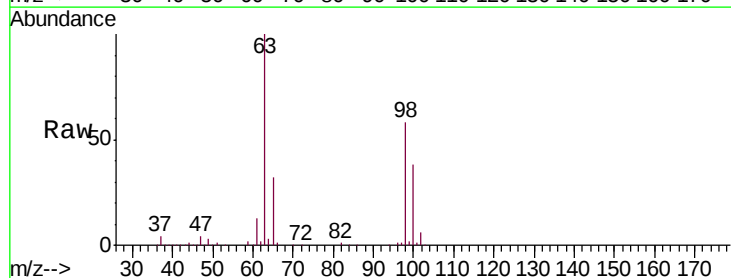
Tgt Ion: 96 Resp: 2172

Ion Ratio Lower Upper

96 100

61 1067.5 126.1 234.1#

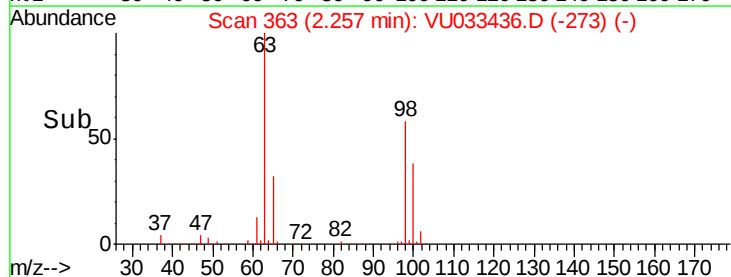
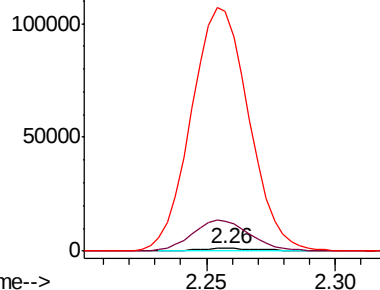
63 8396.2 96.8 179.8#

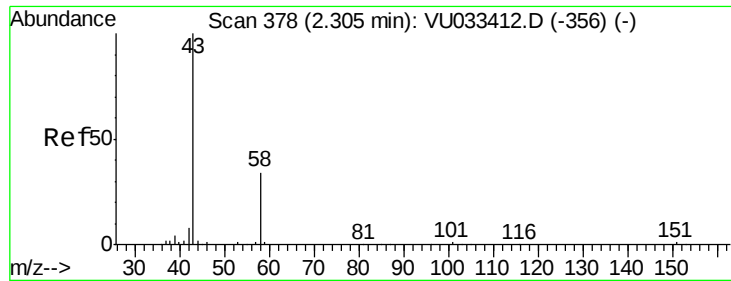


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.581 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033436.D

Acq: 26 Jul 2019 01:40

Instrument :

MSVOA_U

ClientSampleId :

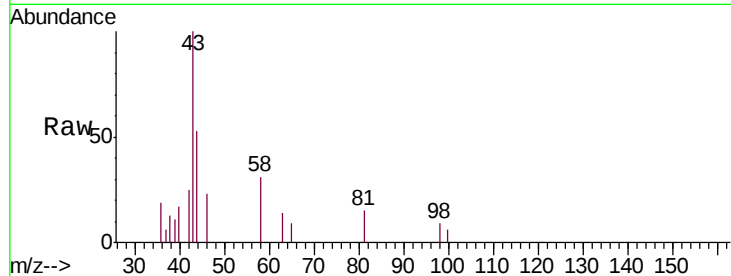
C0CB1

Tgt Ion: 43 Resp: 2639

Ion Ratio Lower Upper

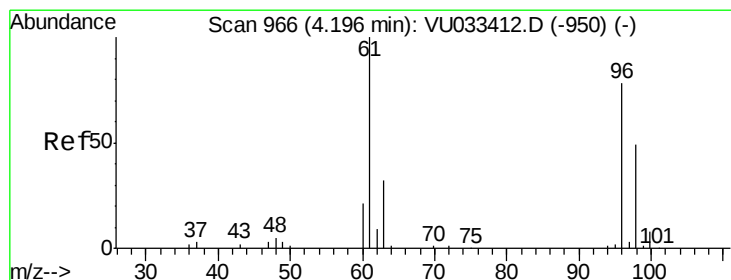
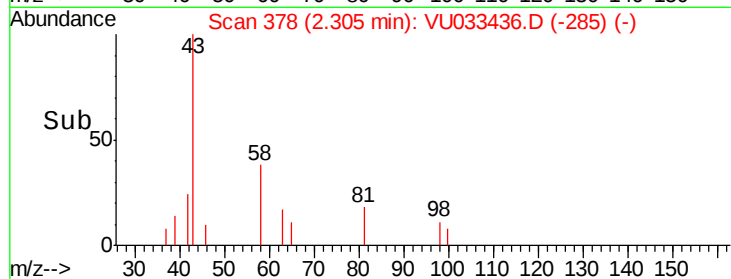
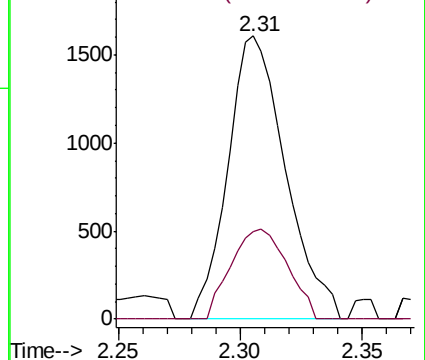
43 100

58 31.3 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033412.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU033412.D (-356) (-)



#20

cis-1,2-Dichloroethene

Concen: 15.583 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033436.D

Acq: 26 Jul 2019 01:40

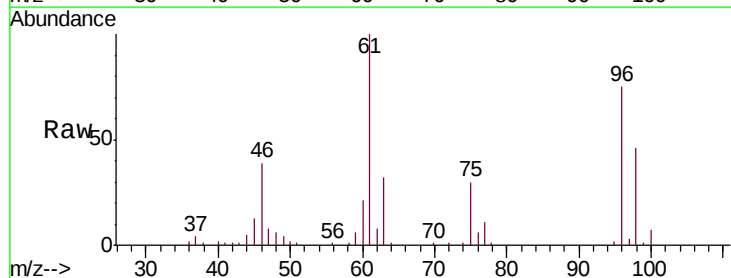
Tgt Ion: 96 Resp: 33767

Ion Ratio Lower Upper

96 100

61 132.8 91.1 169.1

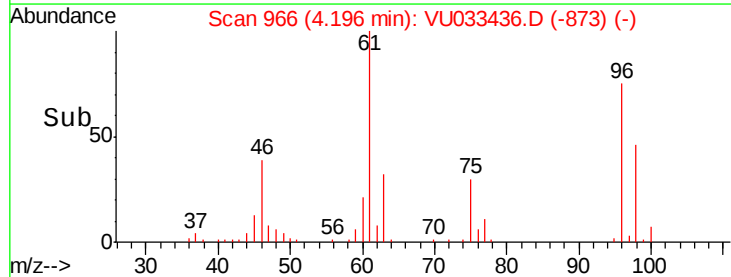
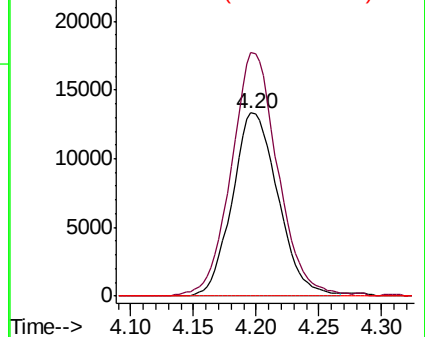
68 0.0 0.0 0.0

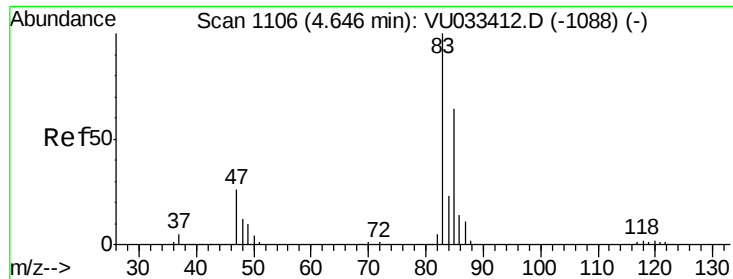


Abundance Ion 96.00 (95.70 to 96.70): VU033412.D (-950) (-)

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

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

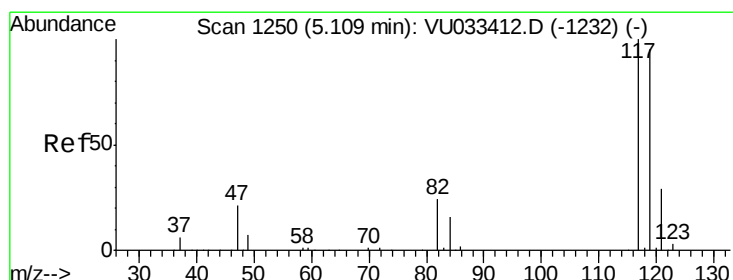
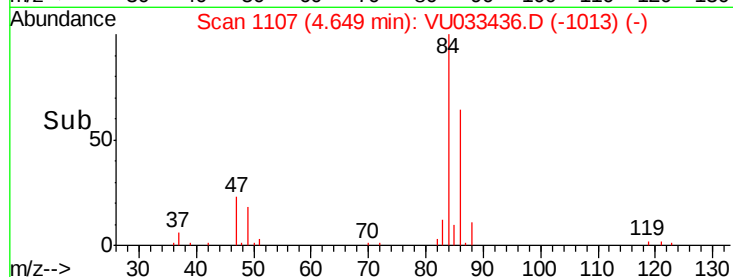
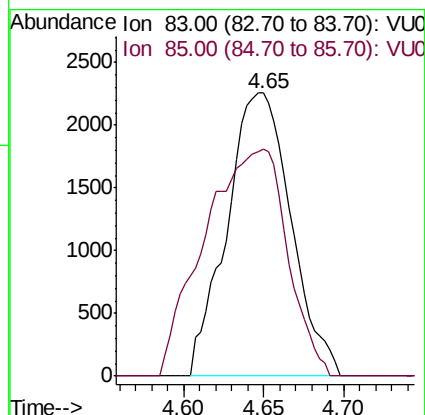
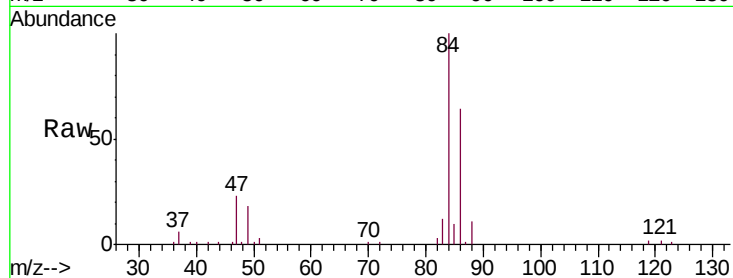




#25
Chloroform
Concen: 1.583 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033436.D
Acq: 26 Jul 2019 01:40

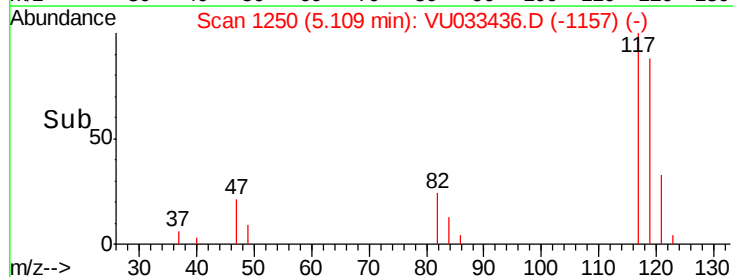
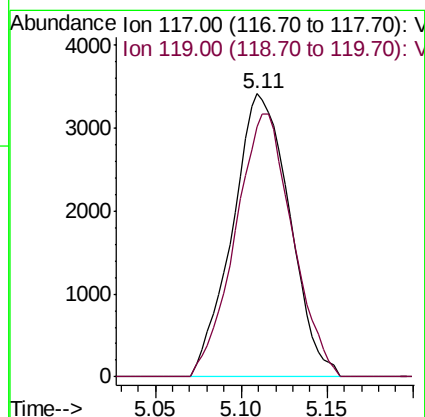
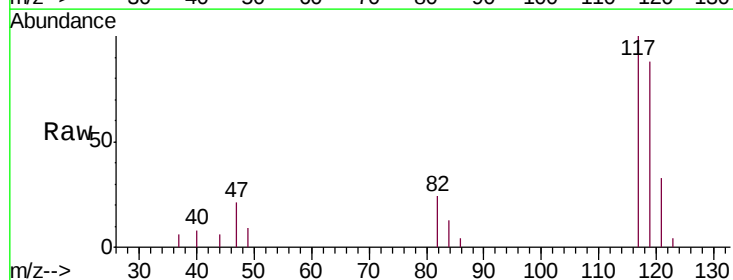
Instrument :
MSVOA_U
ClientSampleId :
C0CB1

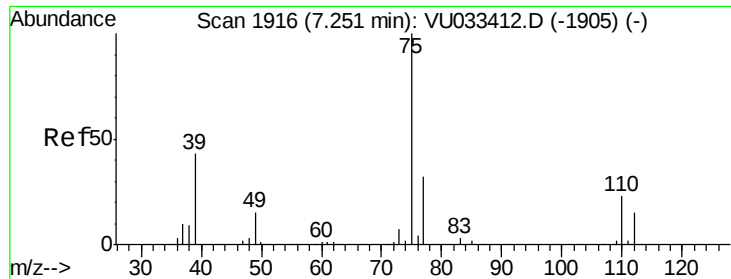
Tgt Ion: 83 Resp: 6217
Ion Ratio Lower Upper
83 100
85 80.4 45.4 84.4



#31
Carbon tetrachloride
Concen: 2.687 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033436.D
Acq: 26 Jul 2019 01:40

Tgt Ion: 117 Resp: 7873
Ion Ratio Lower Upper
117 100
119 93.2 76.9 115.3

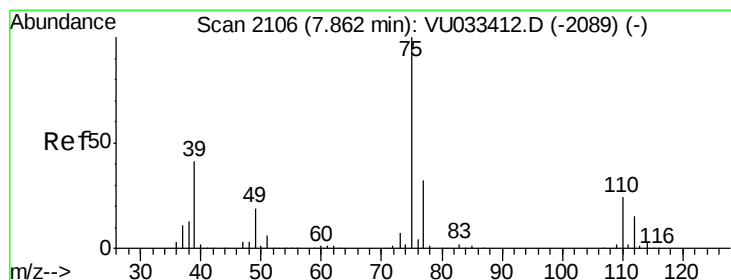
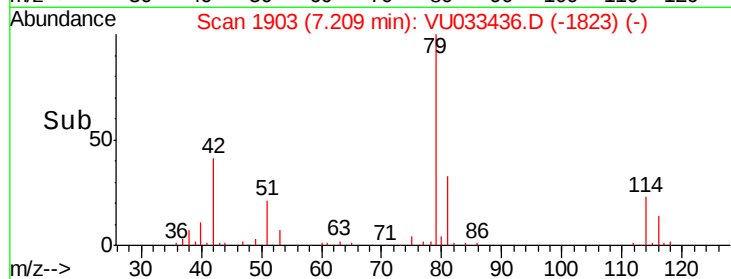
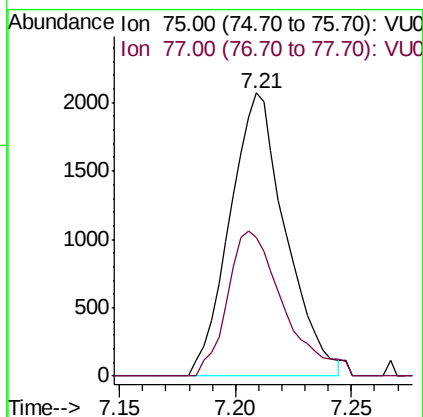
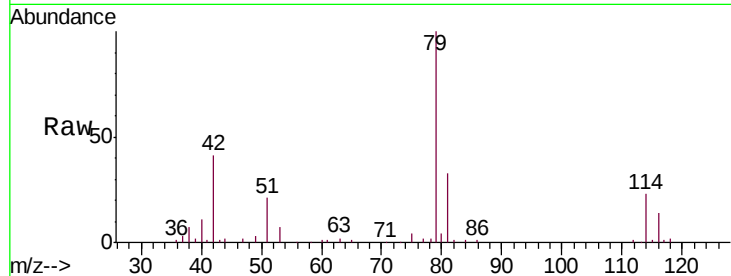




#39
cis-1,3-Dichloropropene
Concen: 0.995 ug/L
RT: 7.21 min Scan# 1903
Delta R.T. -0.04 min
Lab File: VU033436.D
Acq: 26 Jul 2019 01:40

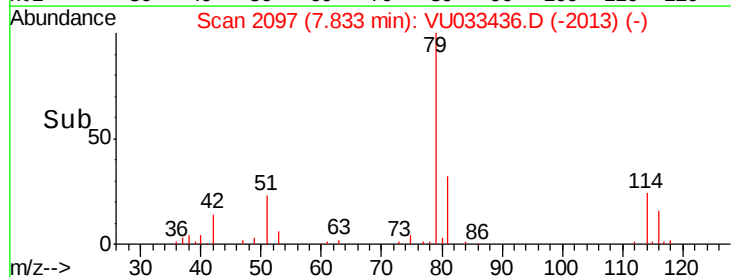
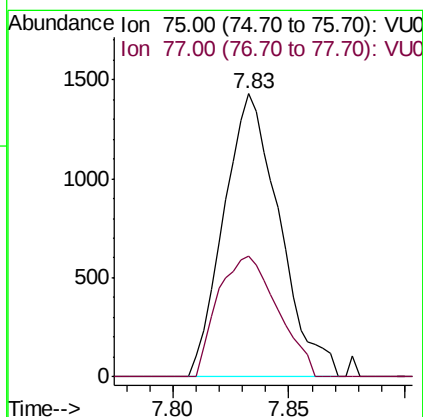
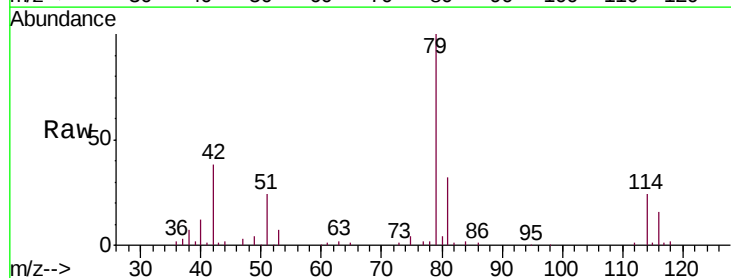
Instrument :
MSVOA_U
ClientSampleId :
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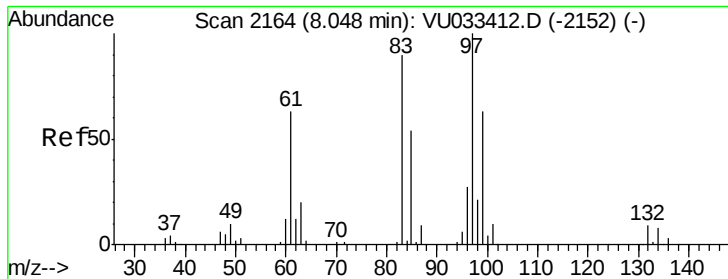
Tgt Ion: 75 Resp: 3464
Ion Ratio Lower Upper
75 100
77 49.1 23.1 42.9#



#44
trans-1,3-Dichloropropene
Concen: 0.760 ug/L
RT: 7.83 min Scan# 2097
Delta R.T. -0.03 min
Lab File: VU033436.D
Acq: 26 Jul 2019 01:40

Tgt Ion: 75 Resp: 2386
Ion Ratio Lower Upper
75 100
77 42.9 22.4 41.6#

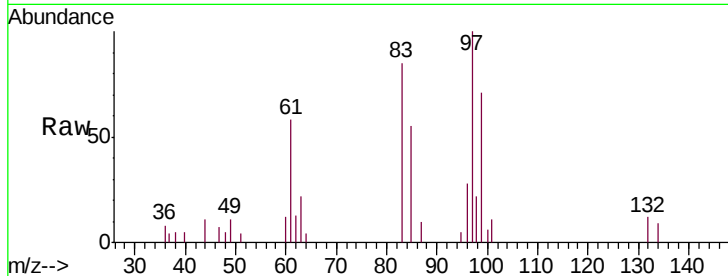




#45
 1,1,2-Trichloroethane
 Concen: 2.284 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033436.D
 Acq: 26 Jul 2019 01:40

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CB1

Tgt Ion:	97	Resp:	4904
Ion	Ratio	Lower	Upper
97	100		
99	70.7	43.0	79.8
83	84.7	61.5	114.3
85	55.1	38.8	72.0



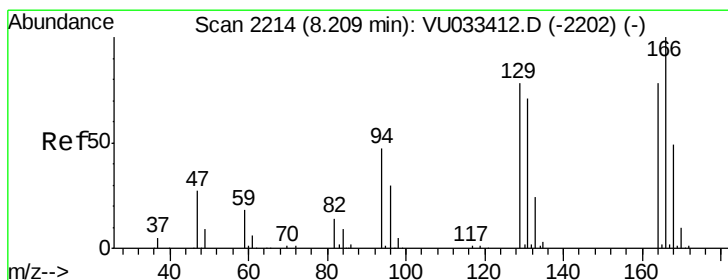
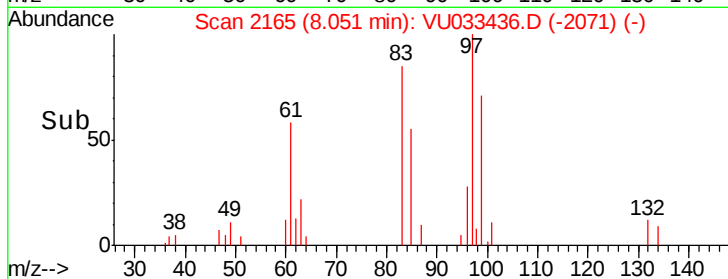
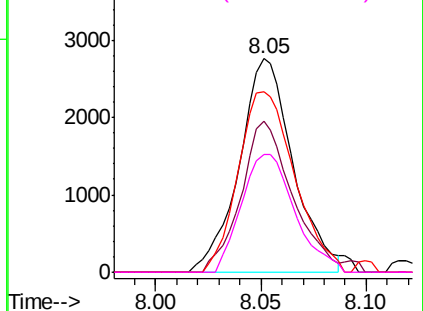
Abundance

Ion 97.00 (96.70 to 97.70): VU033412.D (-2152) (-)

Ion 99.00 (98.70 to 99.70): VU033412.D (-2152) (-)

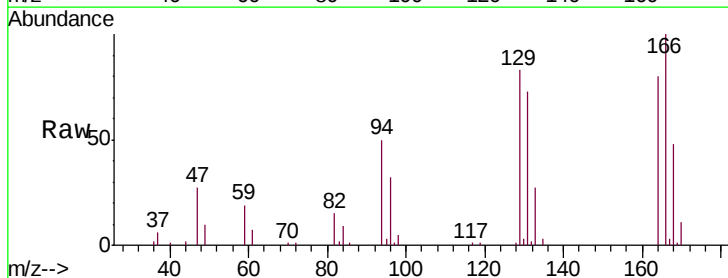
Ion 83.00 (82.70 to 83.70): VU033412.D (-2152) (-)

Ion 85.00 (84.70 to 85.70): VU033412.D (-2152) (-)



#46
 Tetrachloroethene
 Concen: 10.173 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033436.D
 Acq: 26 Jul 2019 01:40

Tgt Ion:	164	Resp:	17239
Ion	Ratio	Lower	Upper
164	100		
129	103.8	69.6	129.2
131	91.2	65.7	122.1
166	124.3	88.5	164.4



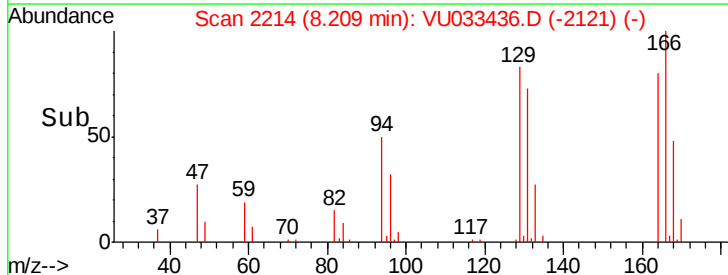
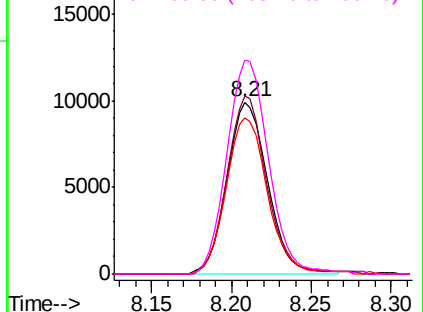
Abundance

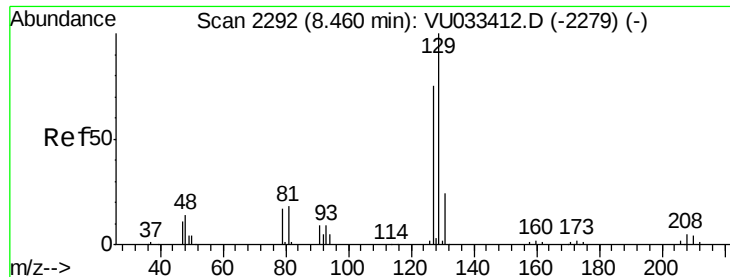
Ion 164.00 (163.70 to 164.70): VU033412.D (-2202) (-)

Ion 129.00 (128.70 to 129.70): VU033412.D (-2202) (-)

Ion 131.00 (130.70 to 131.70): VU033412.D (-2202) (-)

Ion 166.00 (165.70 to 166.70): VU033412.D (-2202) (-)





#49

Dibromochloromethane

Concen: 7.197 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU033436.D

Acq: 26 Jul 2019 01:40

Instrument :

MSVOA_U

ClientSampleId :

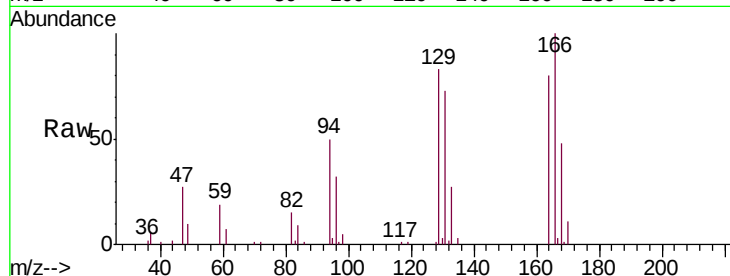
C0CB1

Tgt Ion:129 Resp: 17235

Ion Ratio Lower Upper

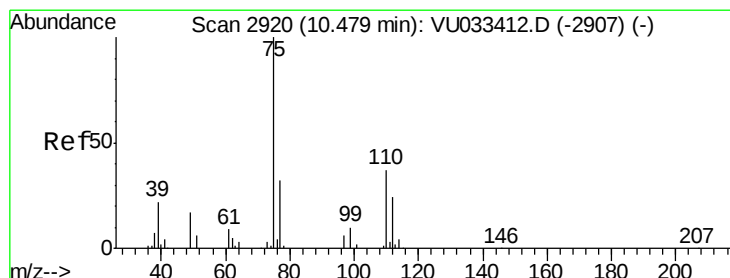
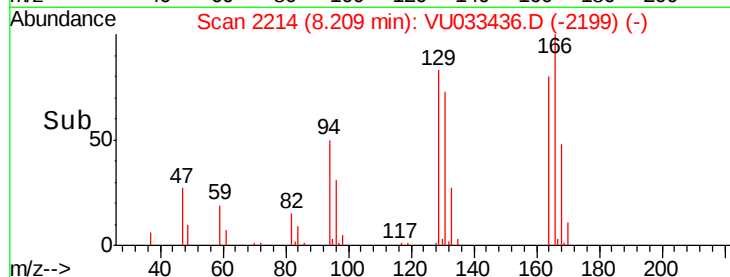
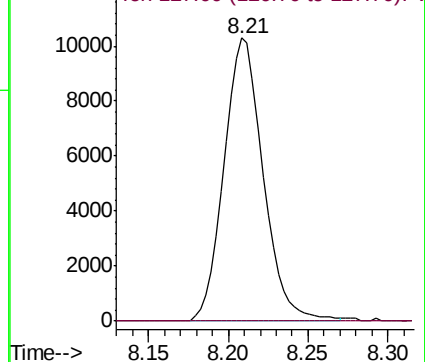
129 100

127 0.0 54.3 100.9#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 5.385 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033436.D

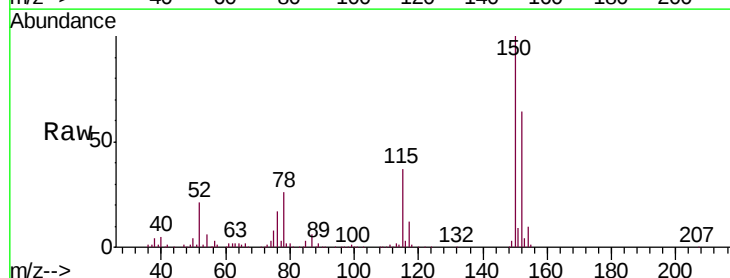
Acq: 26 Jul 2019 01:40

Tgt Ion: 75 Resp: 15912

Ion Ratio Lower Upper

75 100

77 34.9 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

