

Data File : VU033452.D
Acq On : 26 Jul 2019 14:47
Operator : JC/SP
Sample : K3976-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CC5

Quant Time: Jul 27 02:02:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 27 01:57:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	258668	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	267272	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	111873	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	102501	52.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.70%
7) Chloroethane-d5	1.67	69	93229	55.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.46%
11) 1,1-Dichloroethene-d2	2.26	63	134661	37.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.82%
21) 2-Butanone-d5	4.15	46	139783	112.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.66%
24) Chloroform-d	4.62	84	172968	52.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.42%
26) 1,2-Dichloroethane-d4	5.29	65	118732	56.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.82%
32) Benzene-d6	5.32	84	349156	53.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.50%
36) 1,2-Dichloropropane-d6	6.31	67	115973	55.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.44%
41) Toluene-d8	7.55	98	309672	50.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.16%
43) trans-1,3-Dichloropropene-	7.83	79	51712	50.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.42%
47) 2-Hexanone-d5	8.29	63	95592	100.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.96%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	172501	54.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.52%
64) 1,2-Dichlorobenzene-d4	11.85	152	119541	59.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.84%

Target Compounds

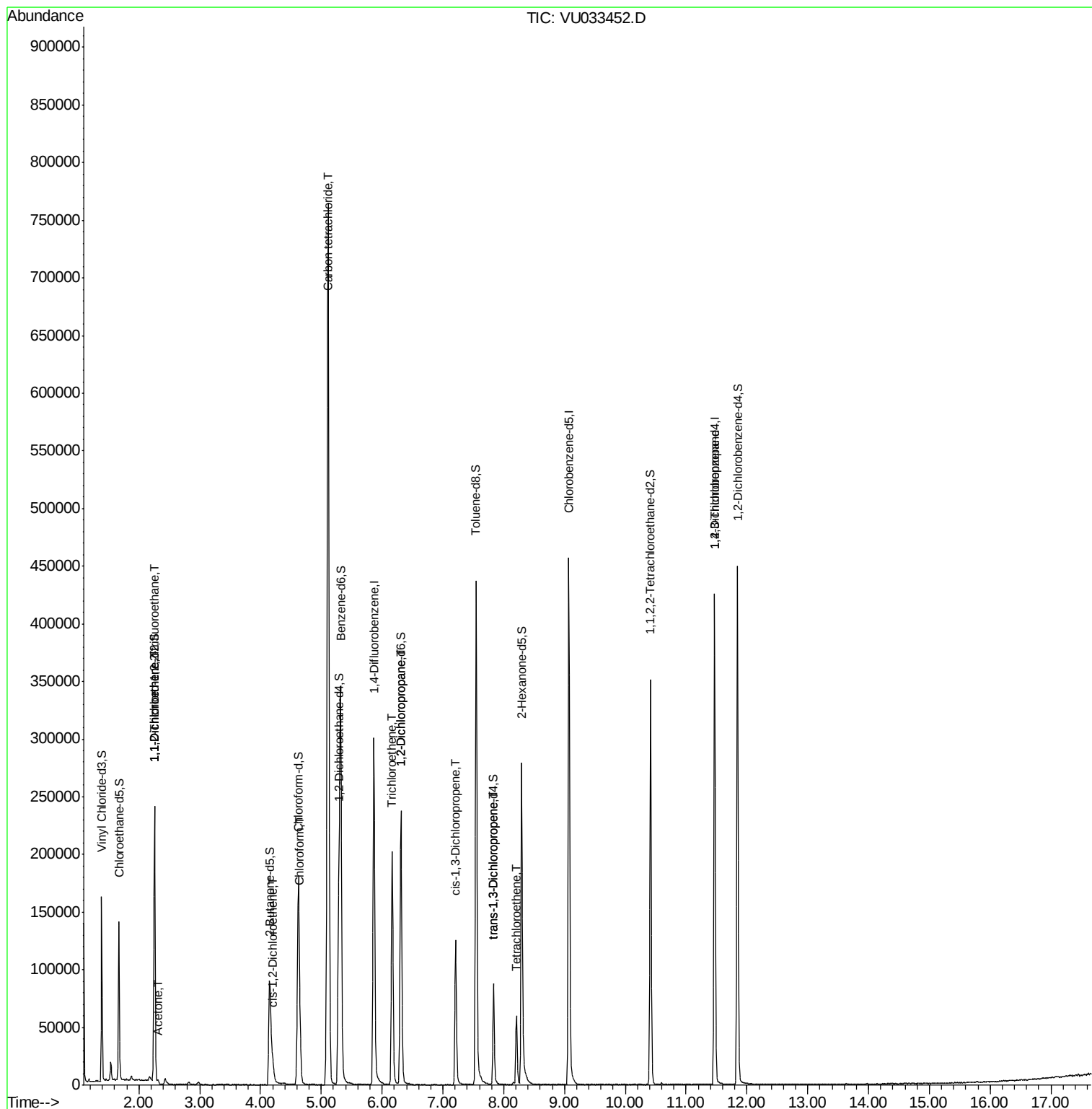
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1259	0.713	ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1595	0.924	ug/L #	1
13) Acetone	2.31	43	2037	1.314	ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	7587	3.770	ug/L	93
25) Chloroform	4.65	83	32735	8.973	ug/L	94
31) Carbon tetrachloride	5.11	117	549050	201.209	ug/L	99
34) Trichloroethene	6.16	95	69929	34.305	ug/L	95
37) 1,2-Dichloropropane	6.31	63	12556	5.940	ug/L #	89
39) cis-1,3-Dichloropropene	7.21	75	3350	1.034	ug/L #	63
44) trans-1,3-Dichloropropene	7.83	75	2423	0.829	ug/L	97
46) Tetrachloroethene	8.21	164	13309	8.434	ug/L	96
59) 1,2,3-Trichloropropane	11.47	75	13859	5.036	ug/L	91

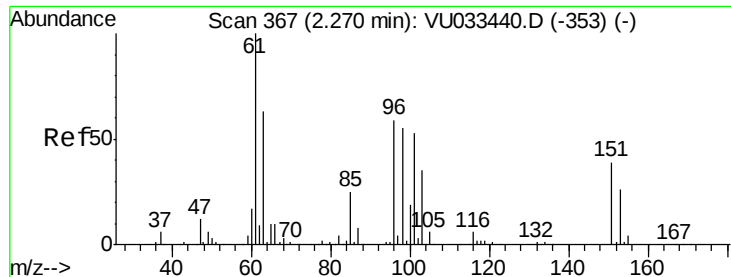
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.713 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033452.D

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Instrument :

MSVOA_U

ClientSampleId :

C0CC5

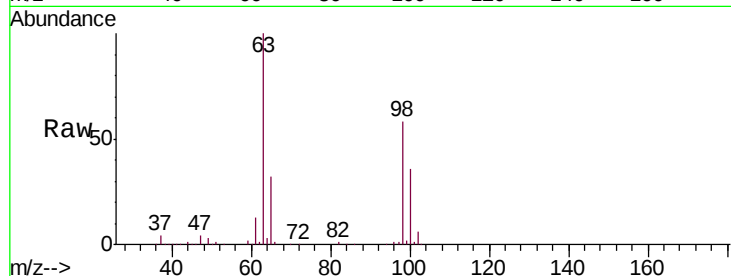
Tgt Ion: 101 Resp: 1259

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

1000

800

600

400

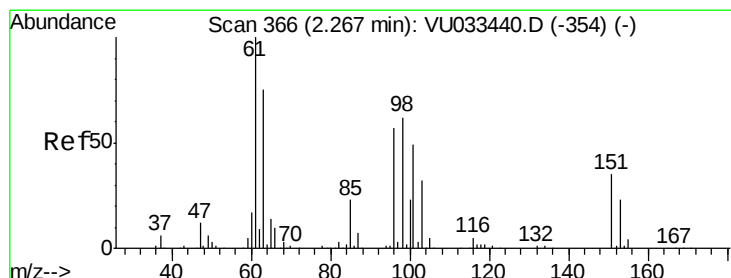
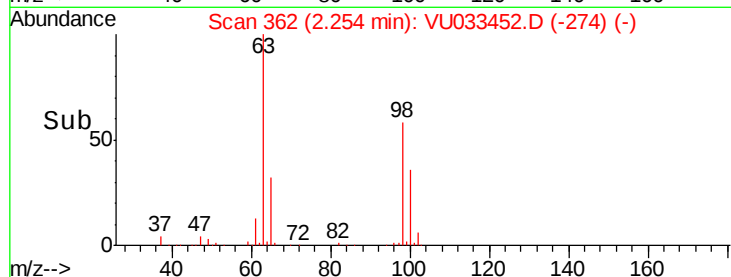
200

0

2.22 2.24 2.26 2.28 2.30

2.25

Time-->



#12

1,1-Dichloroethene

Concen: 0.924 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033452.D

Acq: 26 Jul 2019 14:47

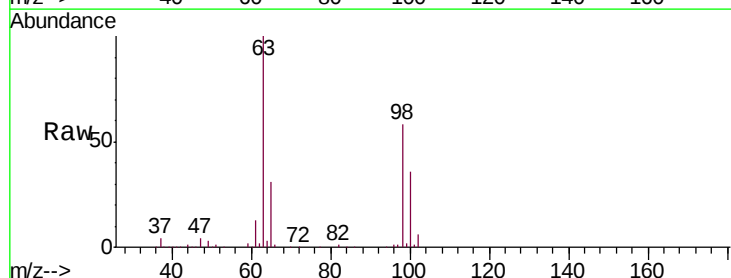
Tgt Ion: 96 Resp: 1595

Ion Ratio Lower Upper

96 100

61 1226.4 126.1 234.1#

63 9621.9 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

120000

100000

80000

60000

40000

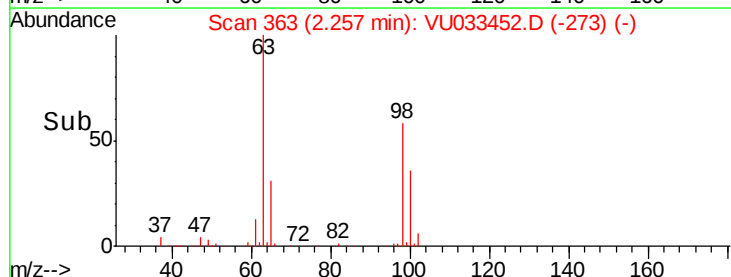
20000

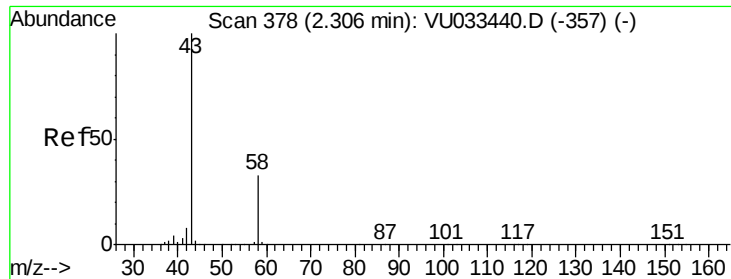
0

2.20 2.25 2.30

2.26

Time-->





#13

Acetone

Concen: 1.314 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033452.D

Acq: 26 Jul 2019 14:47

Instrument :

MSVOA_U

ClientSampleId :

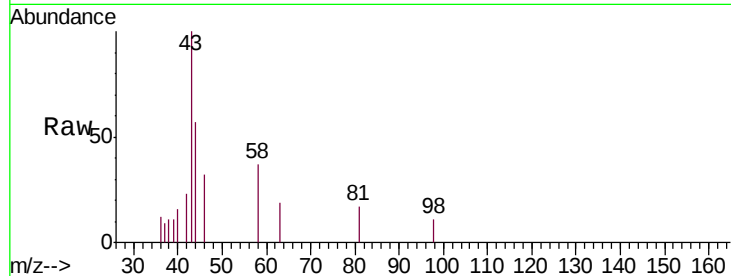
C0CC5

Tgt Ion: 43 Resp: 2037

Ion Ratio Lower Upper

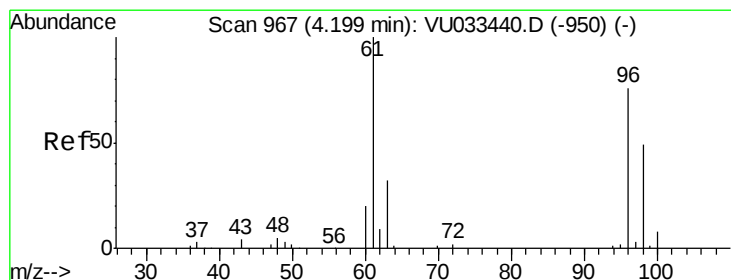
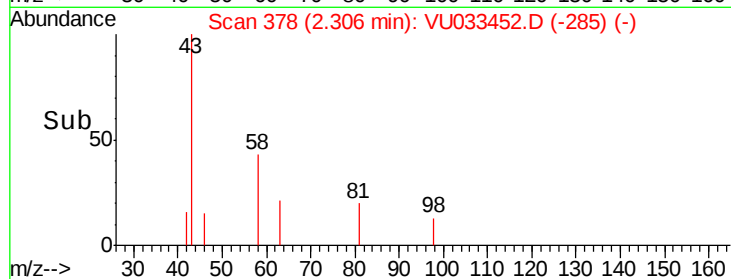
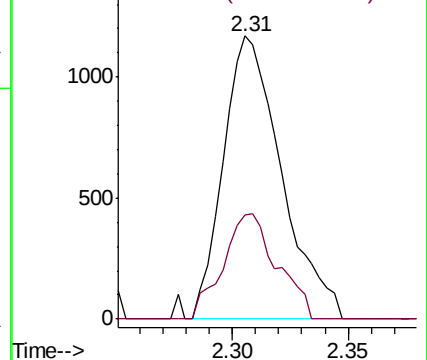
43 100

58 34.2 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033440.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU033440.D (-357) (-)



#20

cis-1,2-Dichloroethene

Concen: 3.770 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU033452.D

Acq: 26 Jul 2019 14:47

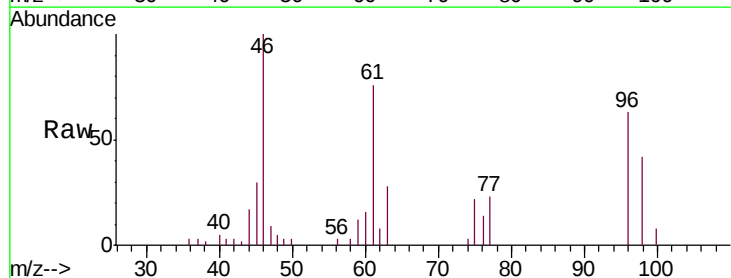
Tgt Ion: 96 Resp: 7587

Ion Ratio Lower Upper

96 100

61 121.4 91.1 169.1

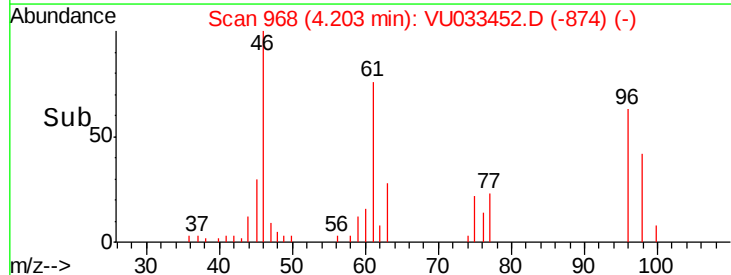
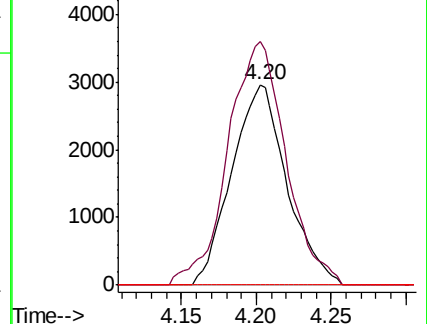
68 0.0 0.0 0.0

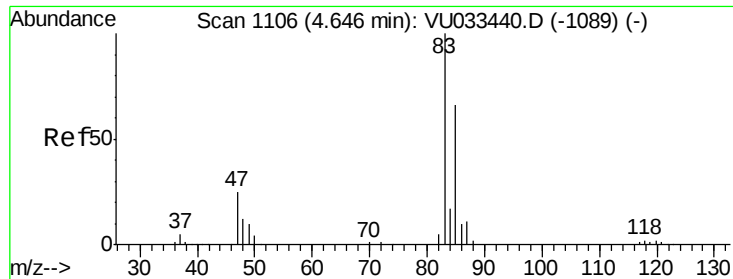


Abundance Ion 96.00 (95.70 to 96.70): VU033440.D (-950) (-)

Ion 61.00 (60.70 to 61.70): VU033440.D (-950) (-)

Ion 68.00 (67.70 to 68.70): VU033440.D (-950) (-)

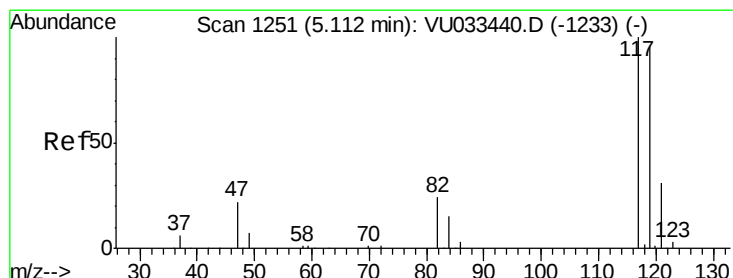
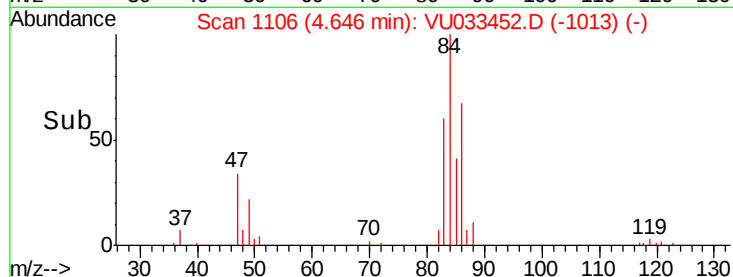
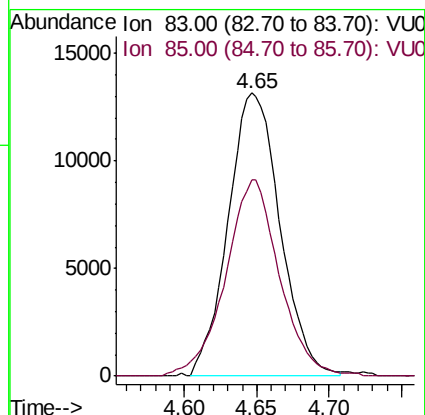
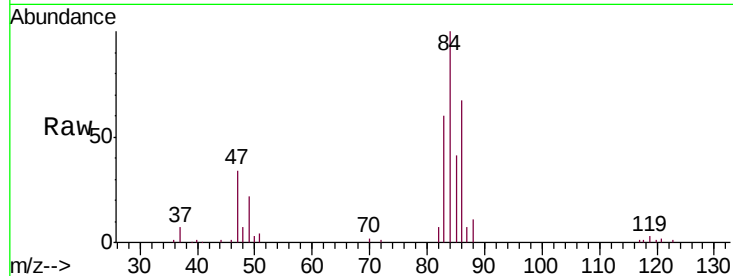




#25
Chloroform
Concen: 8.973 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033452.D
Acq: 26 Jul 2019 14:47

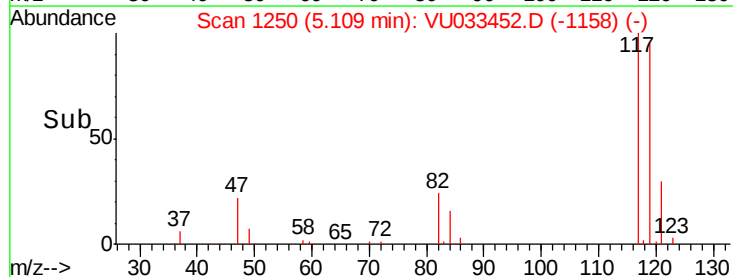
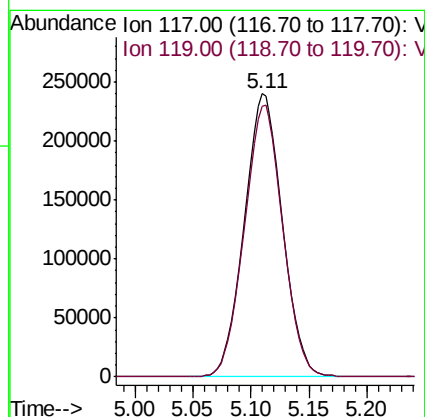
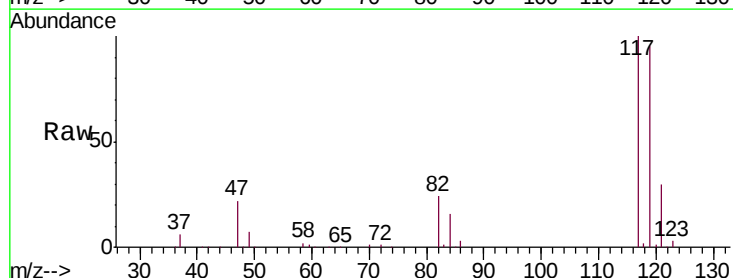
Instrument :
MSVOA_U
ClientSampleId :
C0CC5

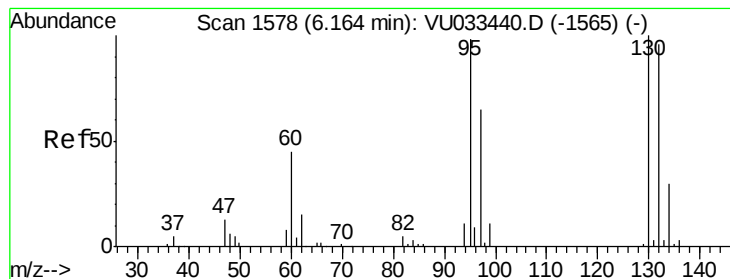
Tgt Ion: 83 Resp: 32735
Ion Ratio Lower Upper
83 100
85 69.2 45.4 84.4



#31
Carbon tetrachloride
Concen: 201.209 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033452.D
Acq: 26 Jul 2019 14:47

Tgt Ion: 117 Resp: 549050
Ion Ratio Lower Upper
117 100
119 96.7 76.9 115.3





#34

Trichloroethene

Concen: 34.305 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033452.D

Acq: 26 Jul 2019 14:47

Instrument :

MSVOA_U

ClientSampleId :

C0CC5

Tgt Ion: 95 Resp: 69929

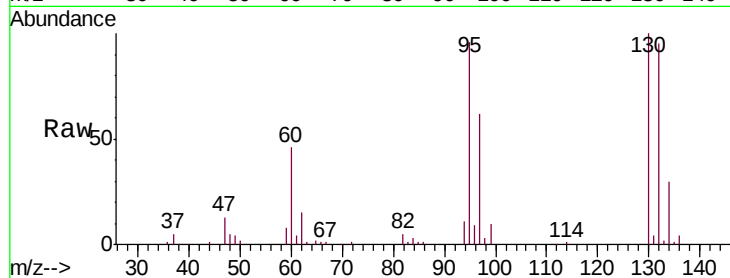
Ion Ratio Lower Upper

95 100

97 64.4 43.8 81.4

132 99.2 65.5 121.6

130 104.3 69.7 129.5

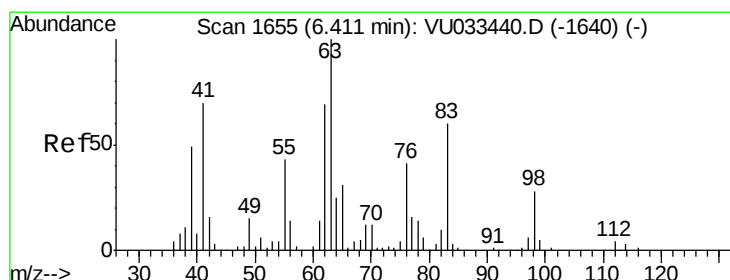
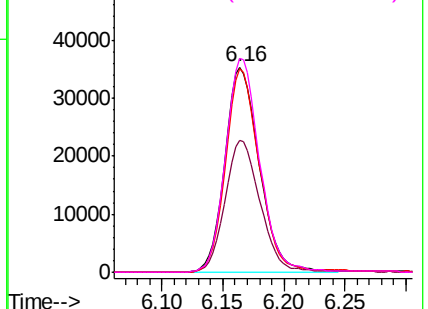
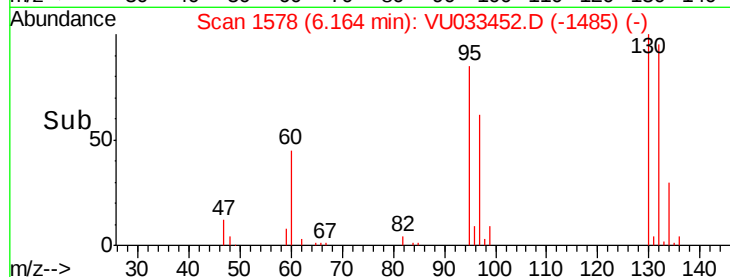


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 5.940 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033452.D

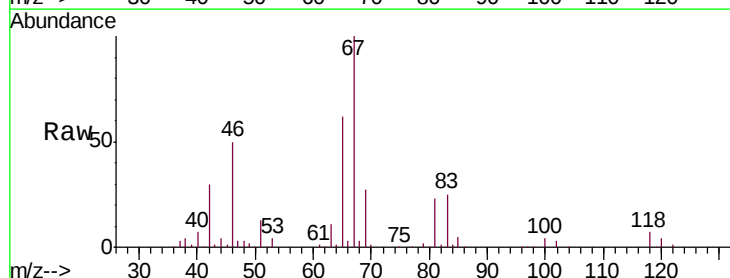
Acq: 26 Jul 2019 14:47

Tgt Ion: 63 Resp: 12556

Ion Ratio Lower Upper

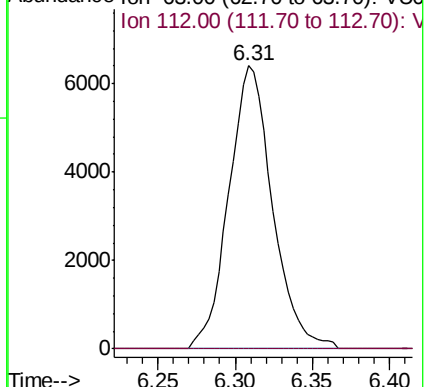
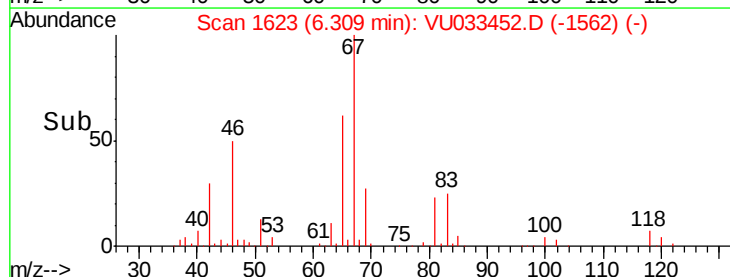
63 100

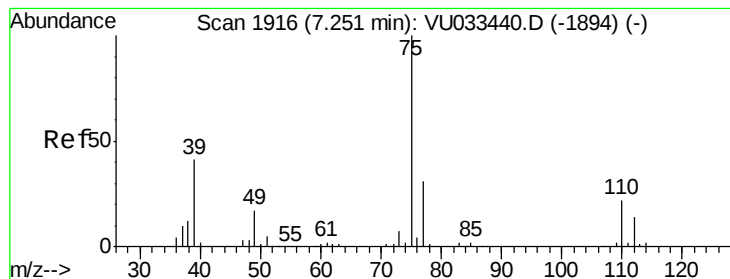
112 0.3 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



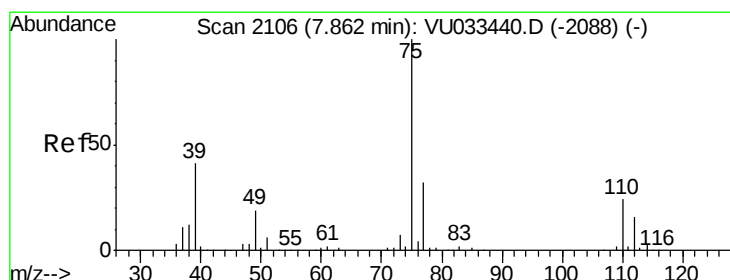
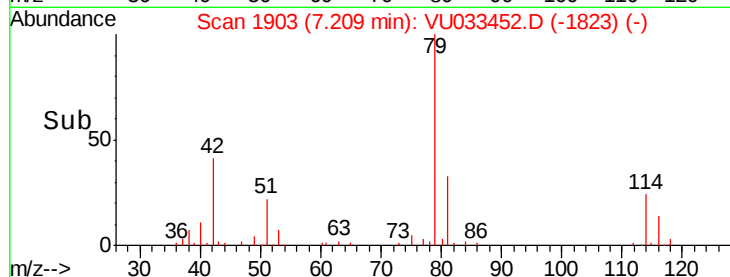
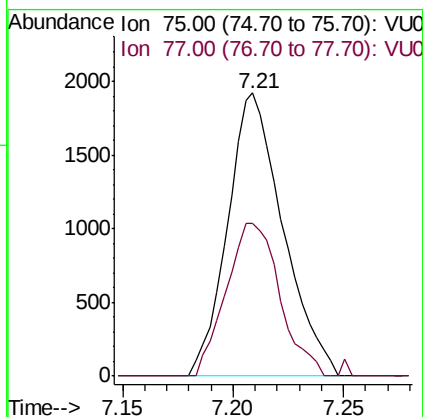
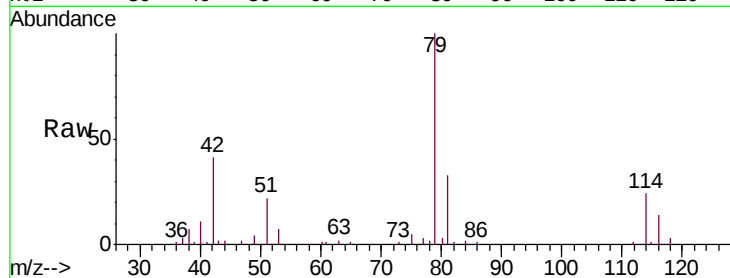


#39

cis-1,3-Dichloropropene
 Concen: 1.034 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033452.D
 Acq: 26 Jul 2019 14:47

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CC5

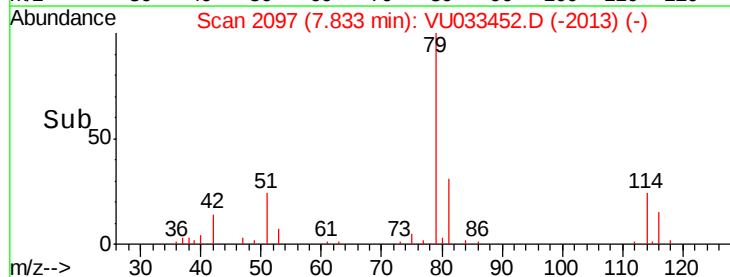
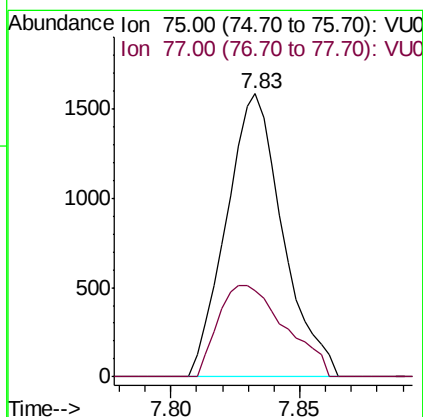
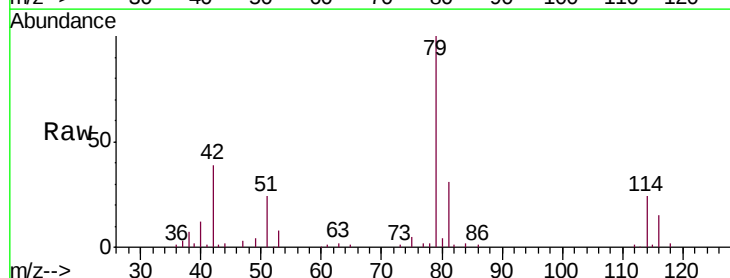
Tgt Ion: 75 Resp: 3350
 Ion Ratio Lower Upper
 75 100
 77 54.0 23.1 42.9#

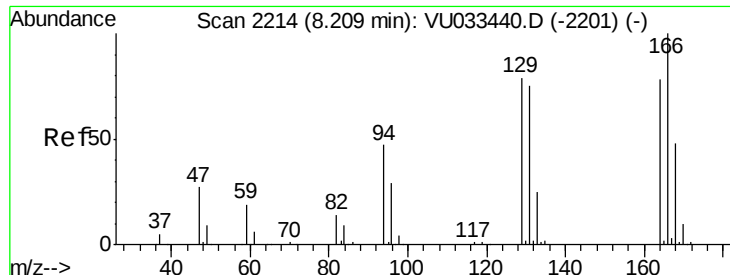


#44

trans-1,3-Dichloropropene
 Concen: 0.829 ug/L
 RT: 7.83 min Scan# 2097
 Delta R.T. -0.03 min
 Lab File: VU033452.D
 Acq: 26 Jul 2019 14:47

Tgt Ion: 75 Resp: 2423
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.4 41.6





#46

Tetrachloroethene

Concen: 8.434 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033452.D

Acq: 26 Jul 2019 14:47

Instrument :

MSVOA_U

ClientSampleId :

C0CC5

Tgt Ion:164 Resp: 13309

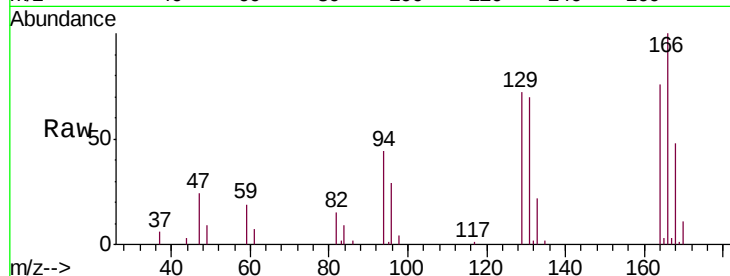
Ion Ratio Lower Upper

164 100

129 95.4 69.6 129.2

131 92.0 65.7 122.1

166 131.9 88.5 164.4



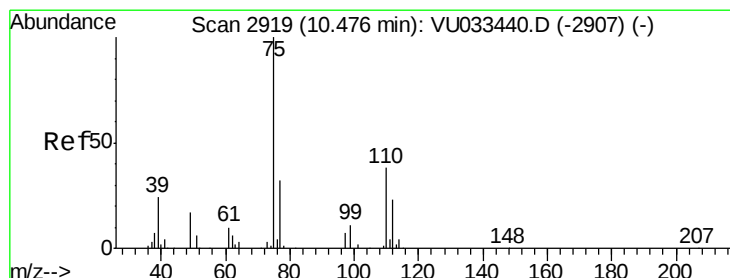
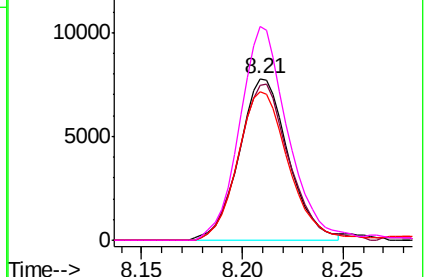
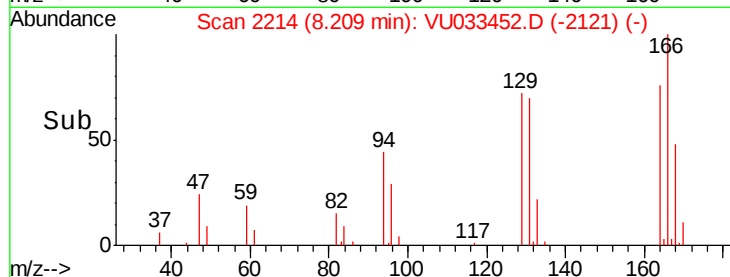
Abundance

Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 5.036 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033452.D

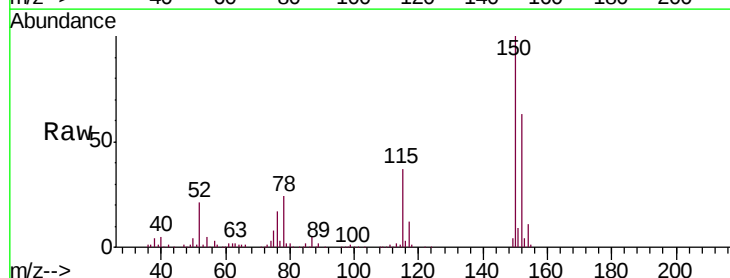
Acq: 26 Jul 2019 14:47

Tgt Ion: 75 Resp: 13859

Ion Ratio Lower Upper

75 100

77 37.3 26.0 39.0



Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

