

Data File : VU033866.D
Acq On : 21 Aug 2019 12:28
Operator : JC/SP
Sample : K4420-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B38

Quant Time: Aug 22 05:47:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 05:44:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	394878	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	402261	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	165136	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	164818	46.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.78%
7) Chloroethane-d5	1.67	69	150192	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.26	63	224778	37.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.72%
21) 2-Butanone-d5	4.15	46	182593	98.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.00%
24) Chloroform-d	4.62	84	272250	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.22%
26) 1,2-Dichloroethane-d4	5.29	65	179560	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.40%
32) Benzene-d6	5.32	84	545632	48.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.38%
36) 1,2-Dichloropropane-d6	6.31	67	180633	49.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.90%
41) Toluene-d8	7.55	98	477361	45.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.68%
43) trans-1,3-Dichloropropene-	7.83	79	76709	45.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.06%
47) 2-Hexanone-d5	8.29	63	119853	89.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.08%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	245656	48.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.30%
64) 1,2-Dichlorobenzene-d4	11.84	152	181907	55.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.54%

Target Compounds

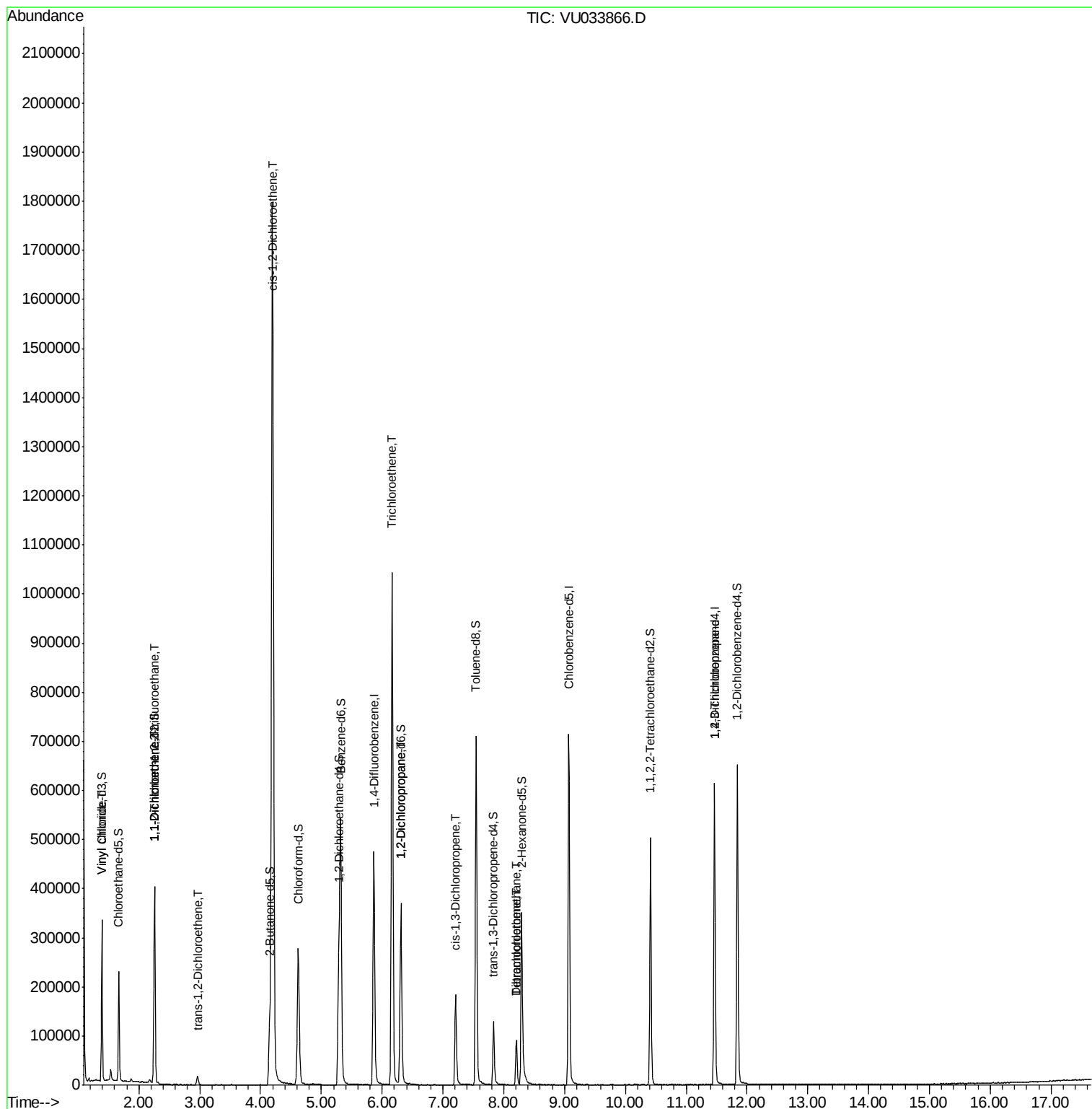
						Qvalue
5) Vinyl chloride	1.40	62	51682	11.653	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2091	0.743	ug/L #	23
12) 1,1-Dichloroethene	2.26	96	4978	1.824	ug/L #	1
17) trans-1,2-Dichloroethene	2.96	96	7555	2.656	ug/L	93
20) cis-1,2-Dichloroethene	4.20	96	1004336	326.347	ug/L	98
34) Trichloroethene	6.16	95	352218	108.609	ug/L	99
37) 1,2-Dichloropropane	6.31	63	19285	5.796	ug/L #	89
39) cis-1,3-Dichloropropene	7.21	75	4563	0.941	ug/L #	49
46) Tetrachloroethene	8.21	164	20646	7.941	ug/L	98
49) Dibromochloromethane	8.21	129	19876	5.636	ug/L #	11
59) 1,2,3-Trichloropropane	11.47	75	20223	5.018	ug/L	96

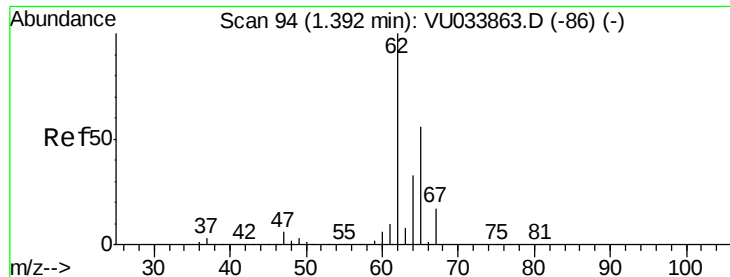
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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#5

Vinyl chloride

Concen: 11.653 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033866.D

Acq: 21 Aug 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

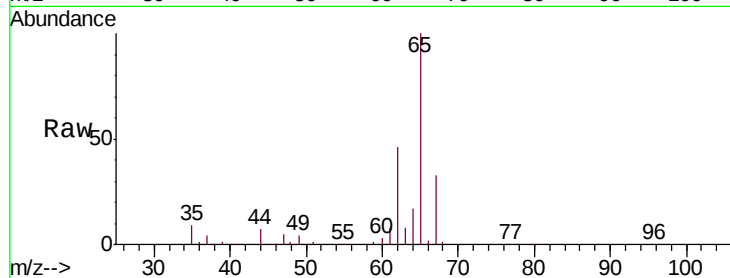
F2B38

Tgt Ion: 62 Resp: 51682

Ion Ratio Lower Upper

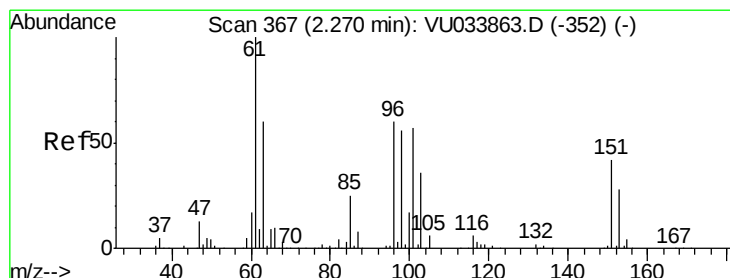
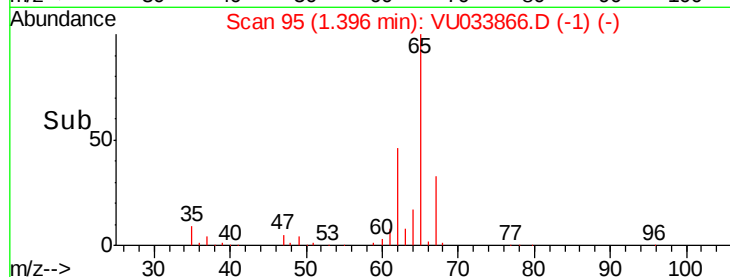
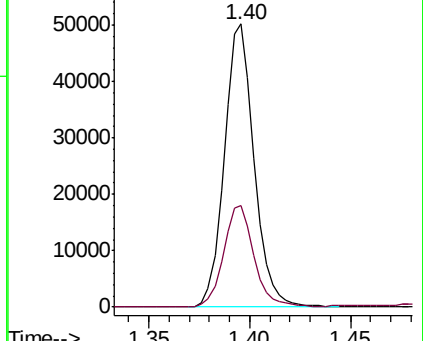
62 100

64 35.8 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VU033866.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU033866.D (-1) (-)



#10

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

Concen: 0.743 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033866.D

Acq: 21 Aug 2019 12:28

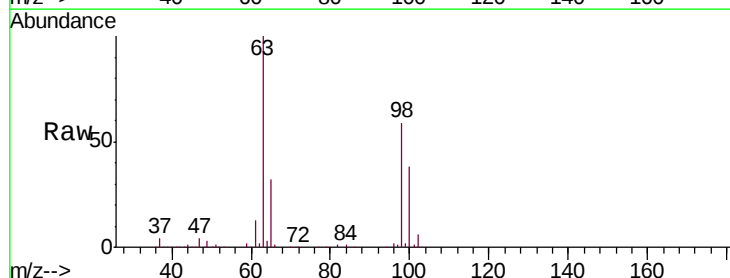
Tgt Ion: 101 Resp: 2091

Ion Ratio Lower Upper

101 100

85 4.2 35.2 52.8#

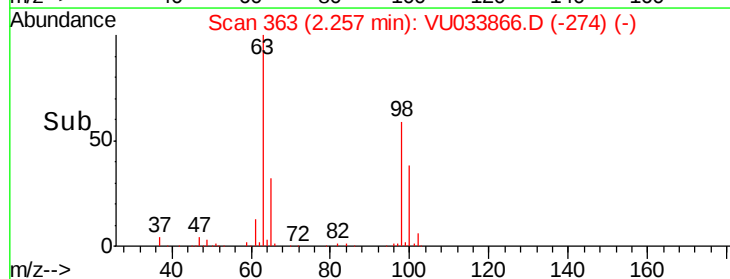
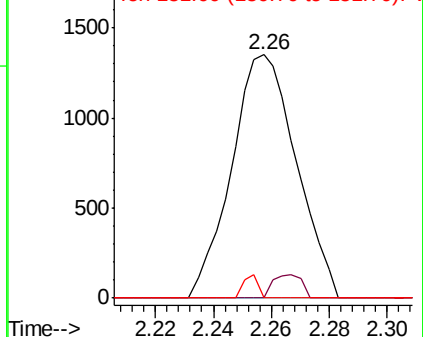
151 2.1 60.4 90.6#

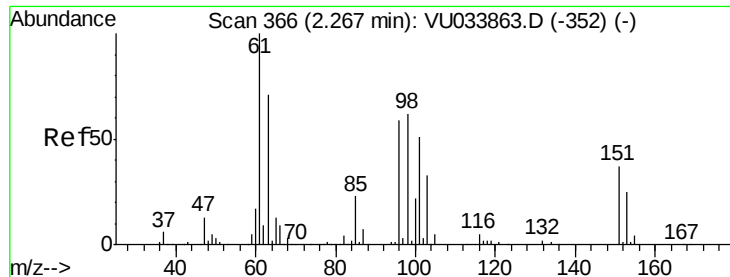


Abundance Ion 101.00 (100.70 to 101.70): VU033866.D (-274) (-)

Ion 85.00 (84.70 to 85.70): VU033866.D (-274) (-)

Ion 151.00 (150.70 to 151.70): VU033866.D (-274) (-)





#12

1,1-Dichloroethene

Concen: 1.824 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.00 min

Lab File: VU033866.D

Acq: 21 Aug 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

F2B38

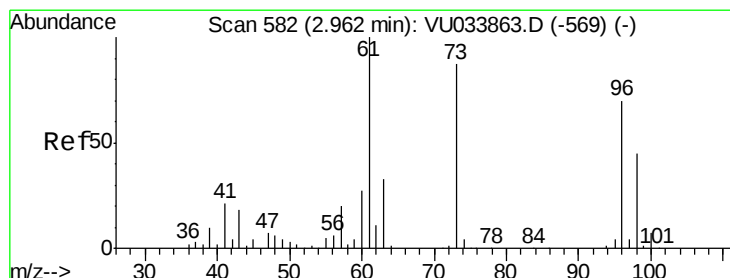
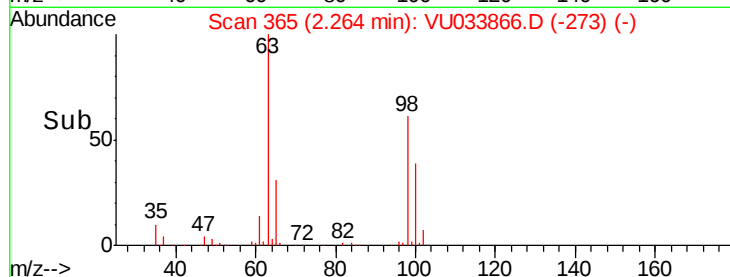
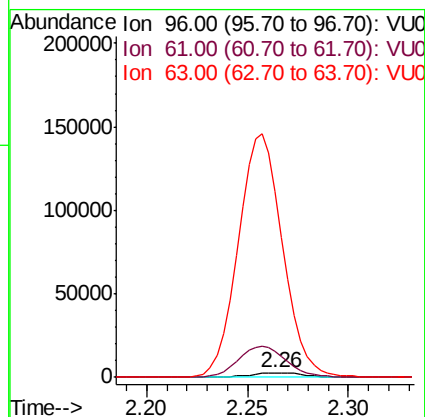
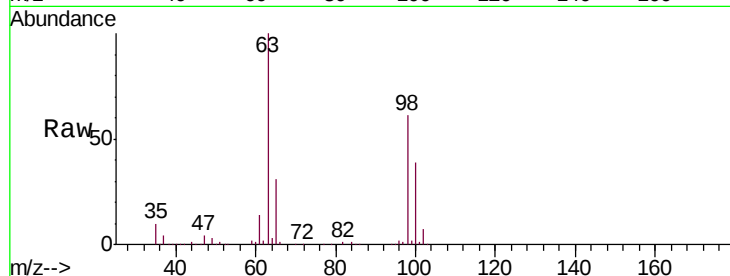
Tgt Ion: 96 Resp: 4978

Ion Ratio Lower Upper

96 100

61 597.6 123.7 229.7#

63 4266.2 91.2 169.4#



#17

trans-1,2-Dichloroethene

Concen: 2.656 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033866.D

Acq: 21 Aug 2019 12:28

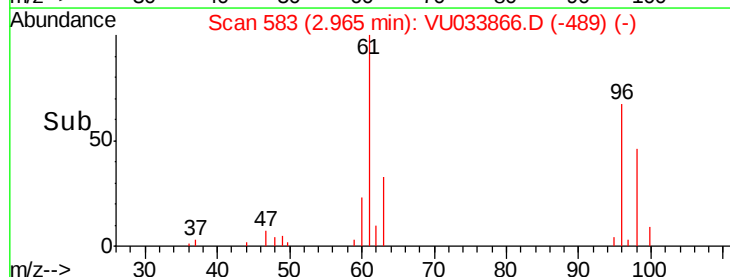
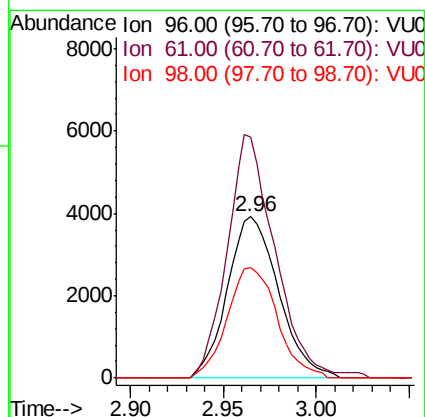
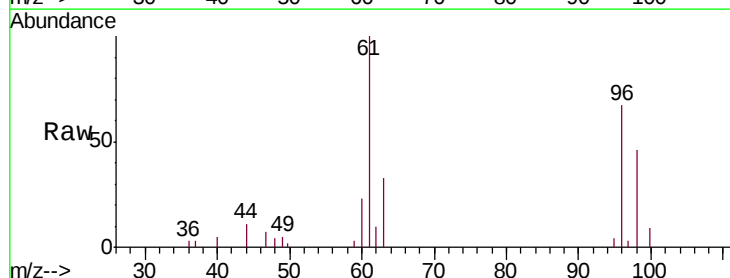
Tgt Ion: 96 Resp: 7555

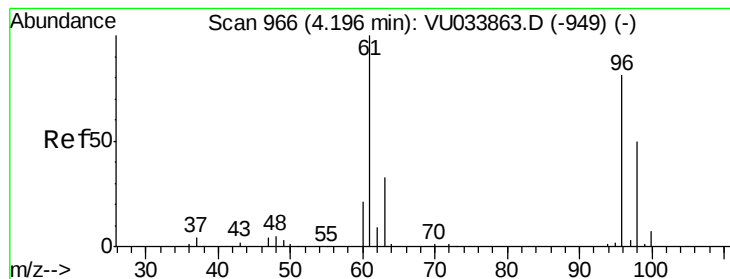
Ion Ratio Lower Upper

96 100

61 149.4 98.6 183.2

98 68.9 43.8 81.3



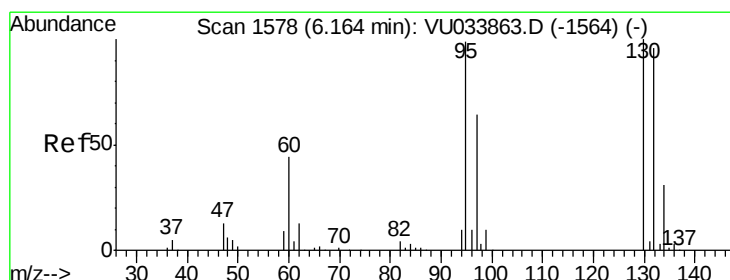
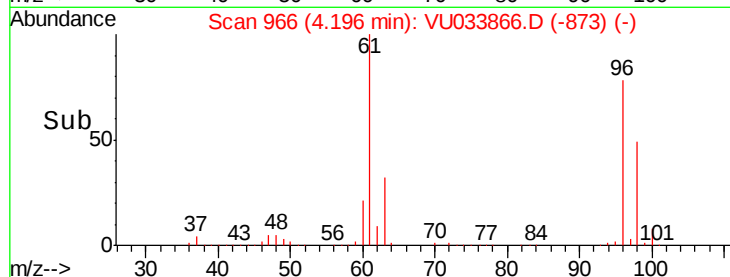
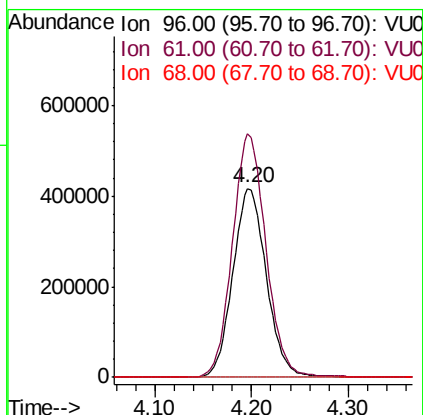
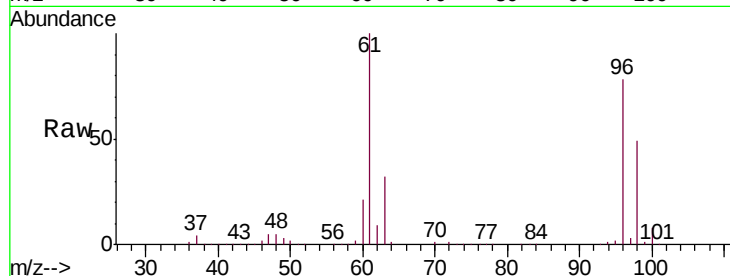


#20

cis-1,2-Dichloroethene
 Concen: 326.347 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033866.D
 Acq: 21 Aug 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B38

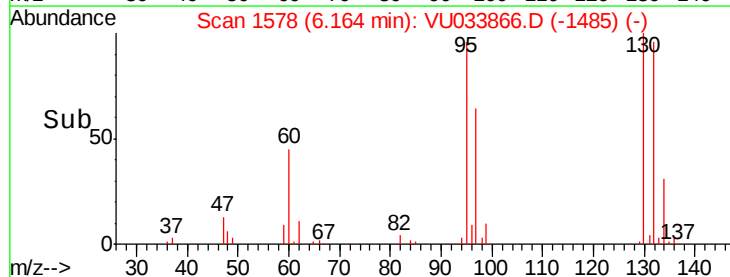
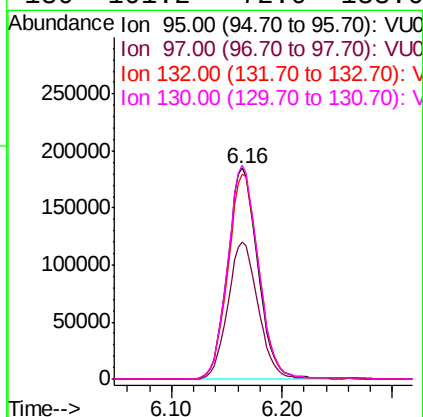
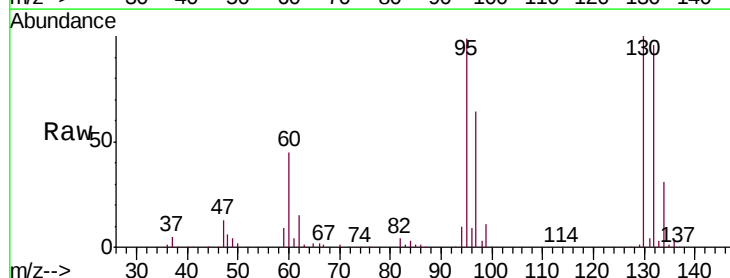
Tgt Ion: 96 Resp: 1004336
 Ion Ratio Lower Upper
 96 100
 61 128.8 88.2 163.8
 68 0.0 0.0 0.0

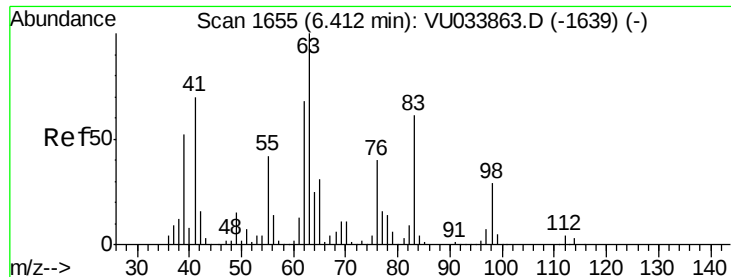


#34

Trichloroethene
 Concen: 108.609 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033866.D
 Acq: 21 Aug 2019 12:28

Tgt Ion: 95 Resp: 352218
 Ion Ratio Lower Upper
 95 100
 97 64.9 46.3 86.1
 132 97.3 67.9 126.1
 130 101.2 72.0 133.6





#37

1,2-Dichloropropane

Concen: 5.796 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033866.D

Acq: 21 Aug 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

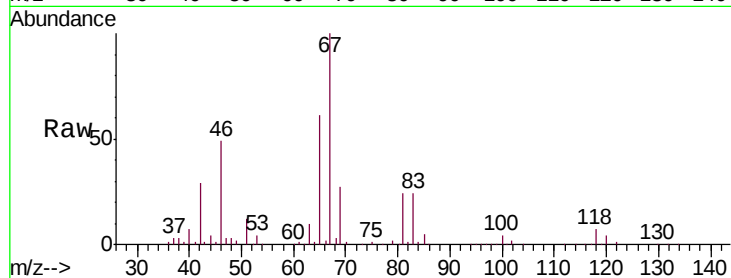
F2B38

Tgt Ion: 63 Resp: 19285

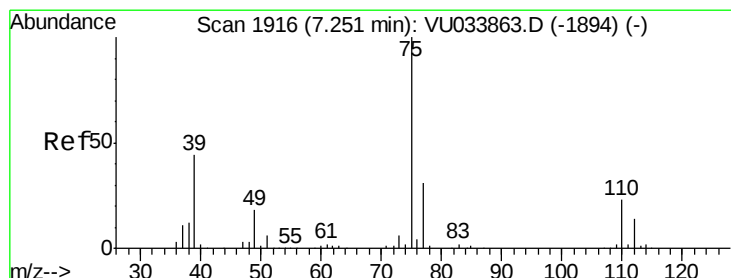
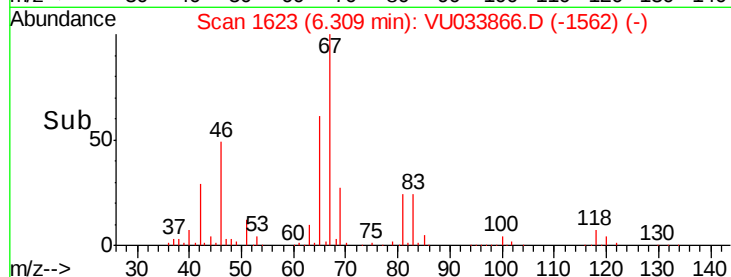
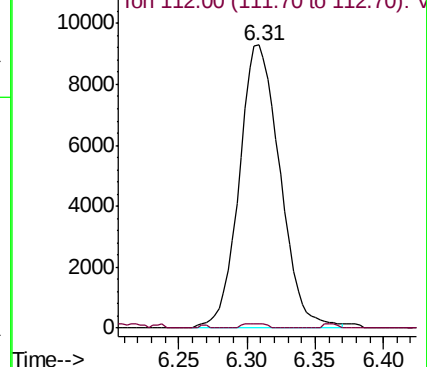
Ion Ratio Lower Upper

63 100

112 0.5 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU033866.D (-1623) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.941 ug/L

RT: 7.21 min Scan# 1902

Delta R.T. -0.05 min

Lab File: VU033866.D

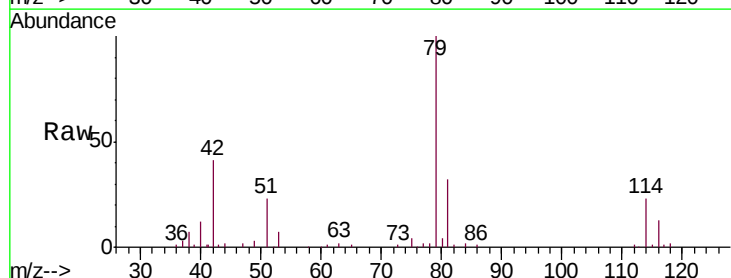
Acq: 21 Aug 2019 12:28

Tgt Ion: 75 Resp: 4563

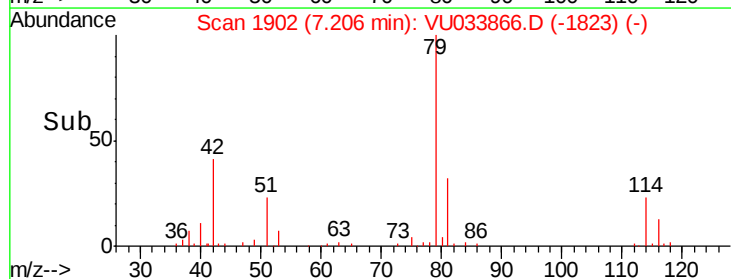
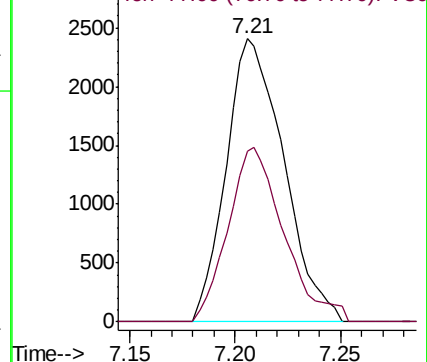
Ion Ratio Lower Upper

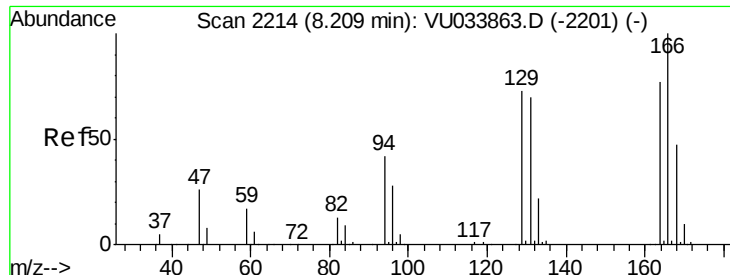
75 100

77 60.5 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VU033866.D (-1823) (-)





#46

Tetrachloroethene

Concen: 7.941 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033866.D

Acq: 21 Aug 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

F2B38

Tgt Ion:164 Resp: 20646

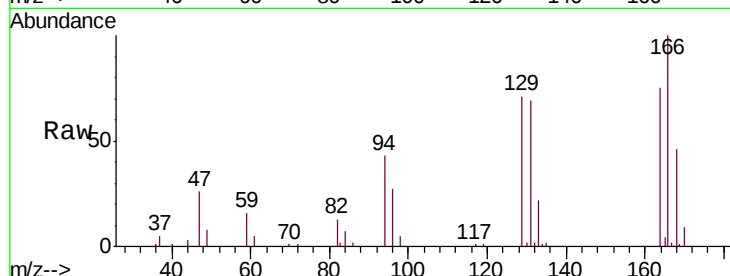
Ion Ratio Lower Upper

164 100

129 94.2 64.4 119.6

131 91.7 63.8 118.4

166 133.3 90.9 168.7

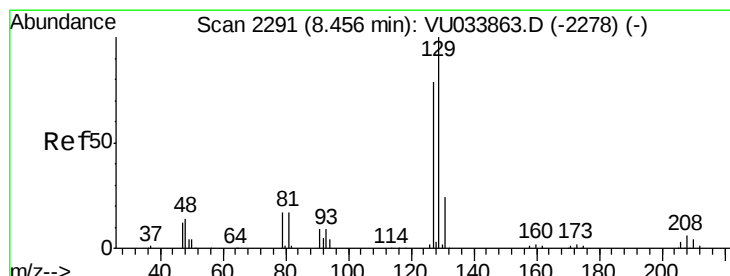
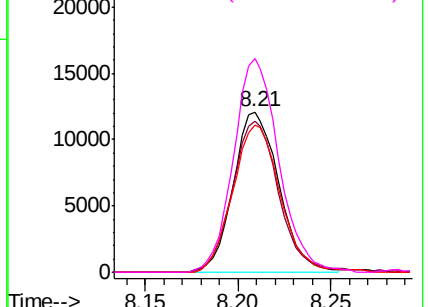
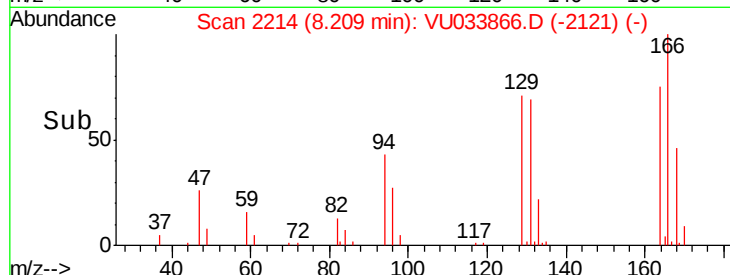


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

Dibromochloromethane

Concen: 5.636 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU033866.D

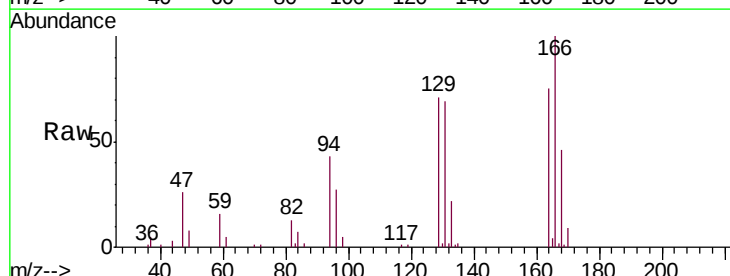
Acq: 21 Aug 2019 12:28

Tgt Ion:129 Resp: 19876

Ion Ratio Lower Upper

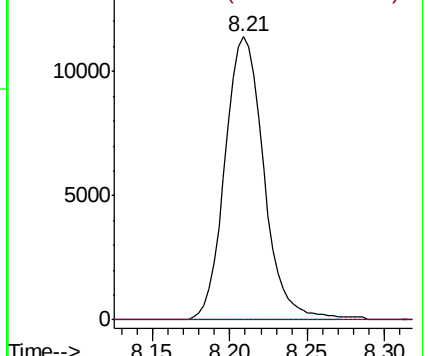
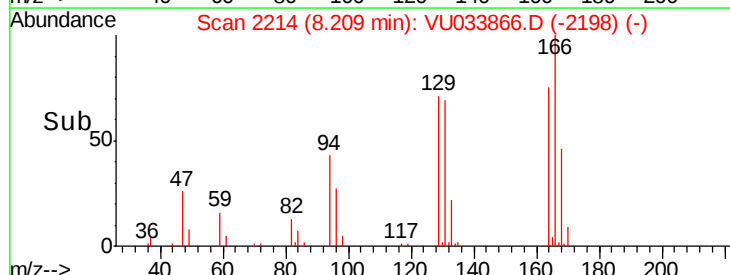
129 100

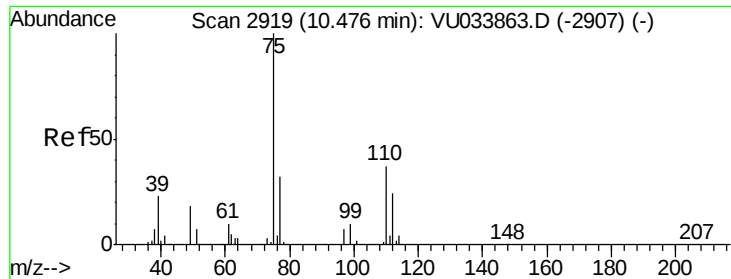
127 0.0 53.4 99.2#



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: 5.018 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033866.D

Acq: 21 Aug 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 75 Resp: 20223

Ion Ratio Lower Upper

75 100

77 34.8 26.0 39.0

