

Data File : VU032005.D
Acq On : 14 May 2019 19:24
Operator : JC/SP
Sample : K2738-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB890

Quant Time: May 15 04:31:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 04:26:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1140761	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1162444	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	485218	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	409620	40.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.84%
7) Chloroethane-d5	1.67	69	348048	42.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.88%
11) 1,1-Dichloroethene-d2	2.27	63	581955	32.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.86%
21) 2-Butanone-d5	4.17	46	649209	92.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.62%
24) Chloroform-d	4.64	84	725415	43.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.58%
26) 1,2-Dichloroethane-d4	5.31	65	471580	44.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.36%
32) Benzene-d6	5.34	84	1536694	45.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.32%
36) 1,2-Dichloropropane-d6	6.32	67	512200	46.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.26%
41) Toluene-d8	7.56	98	1403318	46.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.08%
43) trans-1,3-Dichloropropene-	7.85	79	217943	44.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.98%
47) 2-Hexanone-d5	8.31	63	476365	105.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.79%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	720939	43.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.74%
64) 1,2-Dichlorobenzene-d4	11.85	152	493633	48.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.70%

Target Compounds

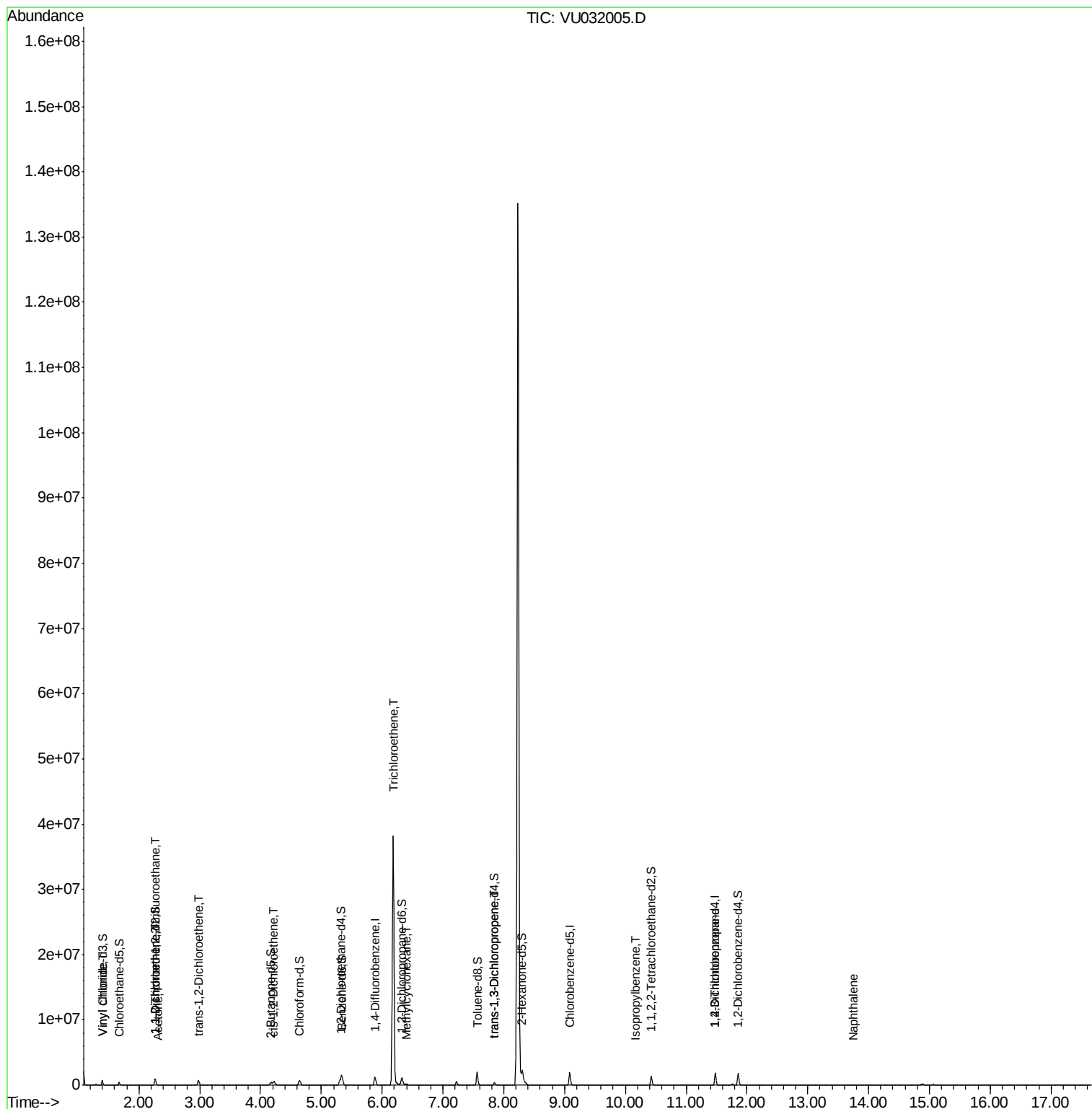
						Qvalue
5) Vinyl chloride	1.40	62	43105	3.508	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	5615	0.661	ug/L #	22
12) 1,1-Dichloroethene	2.27	96	5987	0.711	ug/L #	1
13) Acetone	2.32	43	21370	2.965	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	294547	33.607	ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	297578	30.696	ug/L	99
34) Trichloroethene	6.18	95	13982946	1482.849	ug/L	99
35) Methylcyclohexane	6.41	83	13539	0.936	ug/L	95
44) trans-1,3-Dichloropropene	7.85	75	8501	0.667	ug/L	93
56) Isopropylbenzene	10.17	105	16288	0.422	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	63056	4.727	ug/L	97
69) Naphthalene	13.76	128	8708	0.298	ug/L #	88

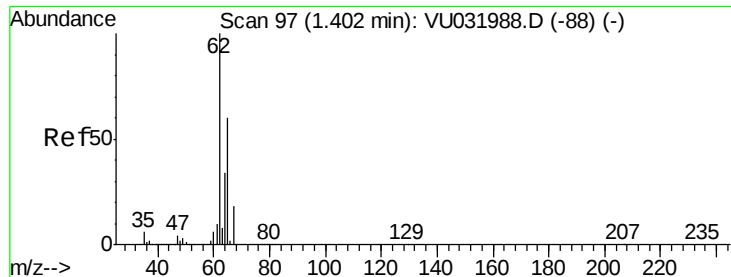
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.508 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU032005.D

Acq: 14 May 2019 19:24

Instrument :

MSVOA_U

ClientSampled :

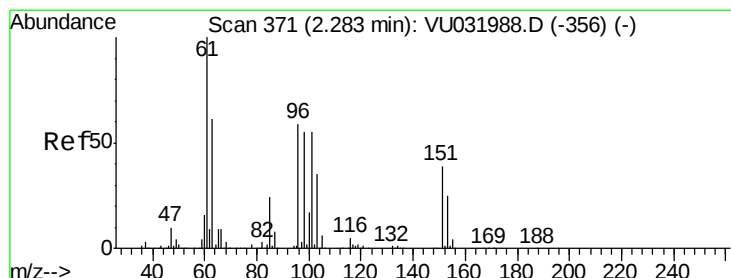
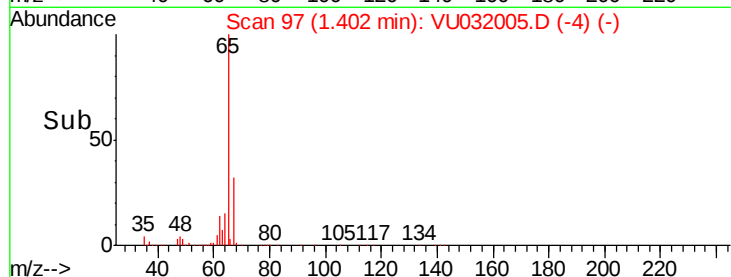
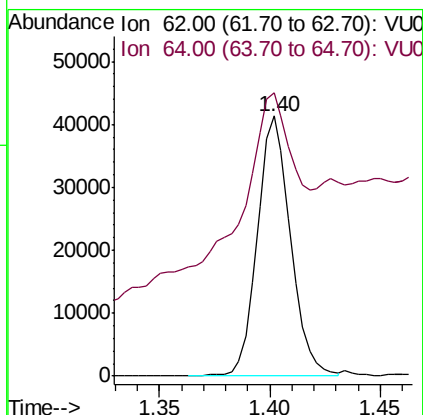
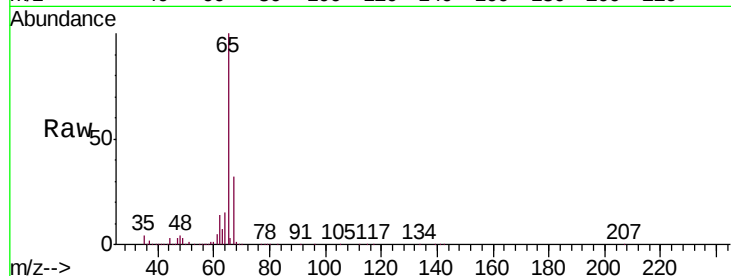
DB890

Tgt Ion: 62 Resp: 43105

Ion Ratio Lower Upper

62 100

64 108.8 23.6 43.8#



#10

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

Concen: 0.661 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU032005.D

Acq: 14 May 2019 19:24

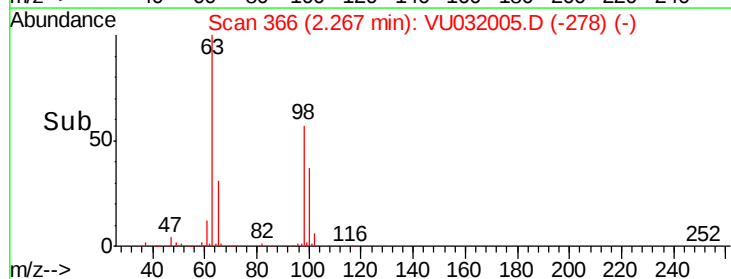
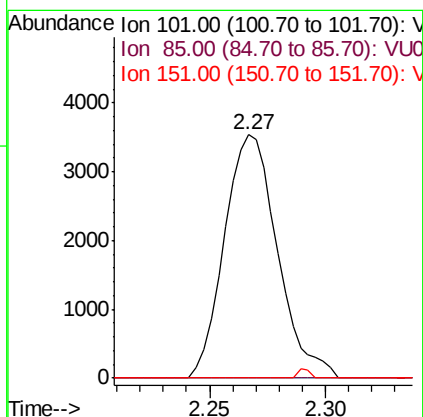
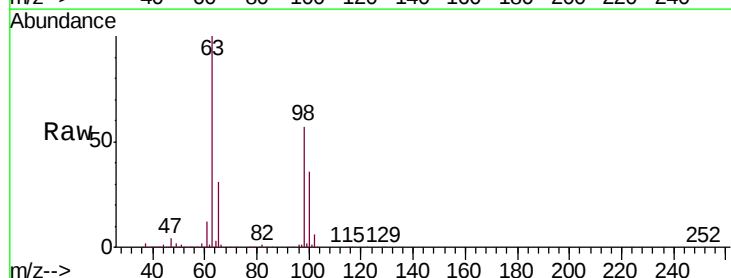
Tgt Ion: 101 Resp: 5615

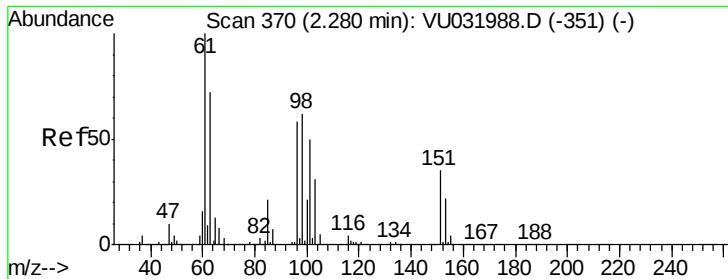
Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

151 0.9 55.8 83.8#





#12

1,1-Dichloroethene

Concen: 0.711 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032005.D

Acq: 14 May 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

DB890

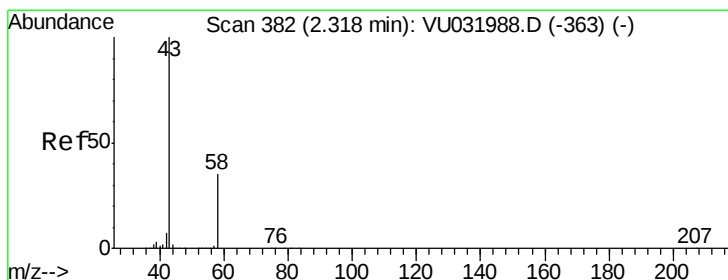
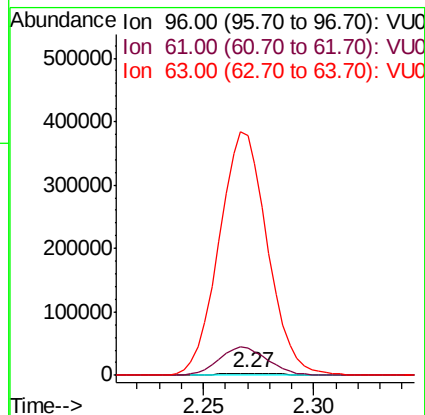
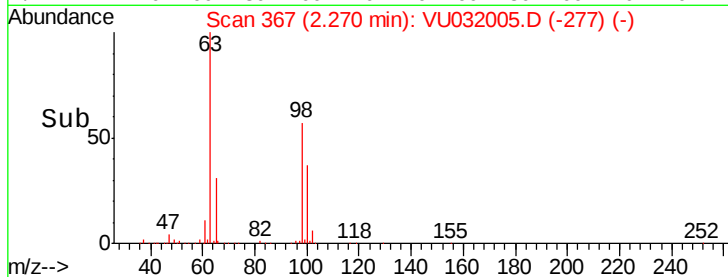
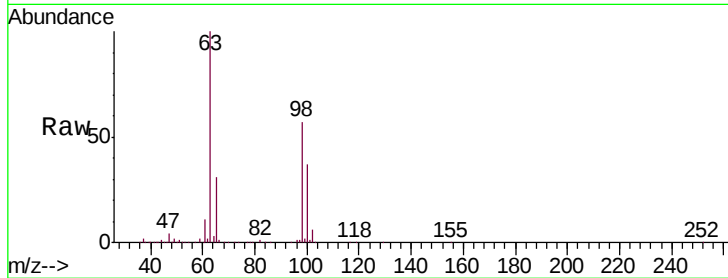
Tgt Ion: 96 Resp: 5987

Ion Ratio Lower Upper

96 100

61 1274.2 120.9 224.5#

63 11141.9 84.4 156.8#



#13

Acetone

Concen: 2.965 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU032005.D

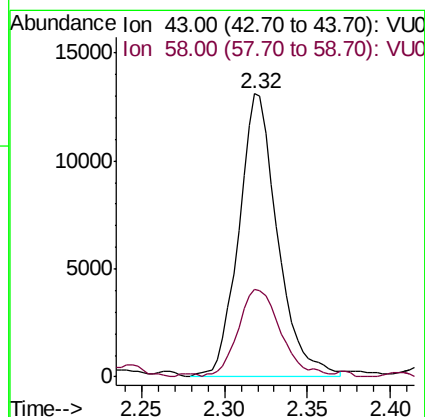
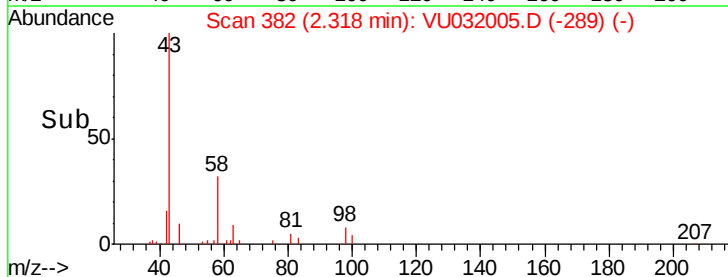
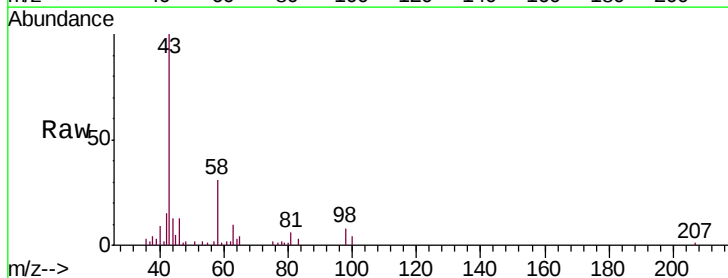
Acq: 14 May 2019 19:24

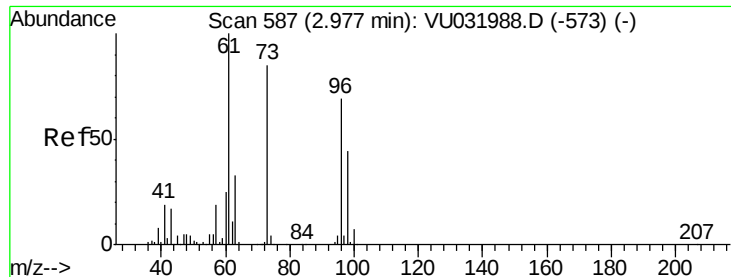
Tgt Ion: 43 Resp: 21370

Ion Ratio Lower Upper

43 100

58 33.9 0.0 68.2





#17

trans-1,2-Dichloroethene

Concen: 33.607 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU032005.D

Acq: 14 May 2019 19:24

Instrument :

MSVOA_U

ClientSampled :

DB890

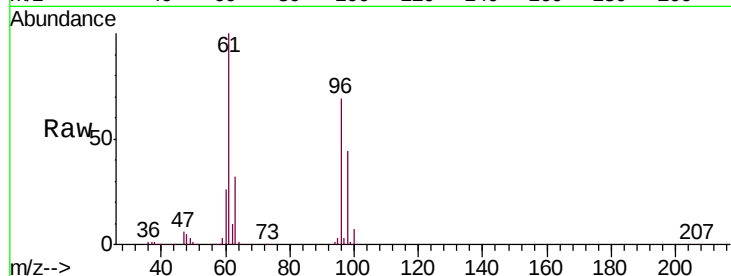
Tgt Ion: 96 Resp: 294547

Ion Ratio Lower Upper

96 100

61 144.0 103.2 191.6

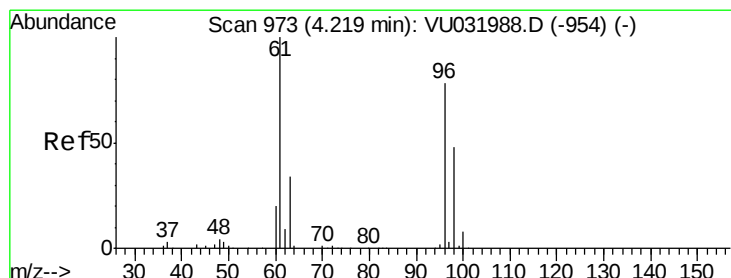
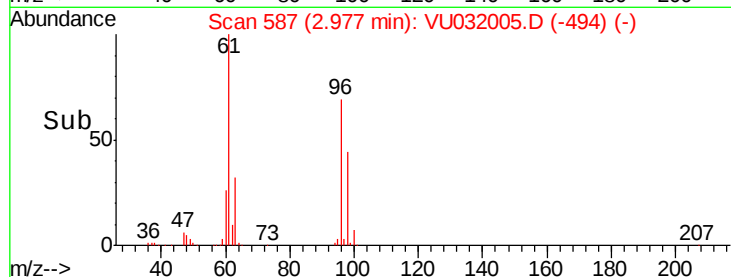
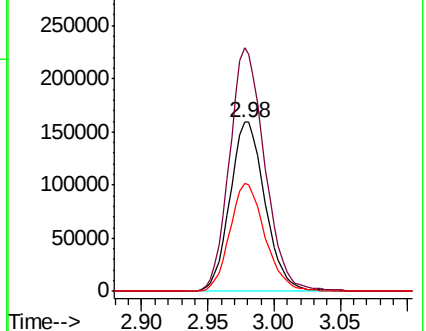
98 63.7 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VU031988.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU031988.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU031988.D (-573) (-)



#20

cis-1,2-Dichloroethene

Concen: 30.696 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032005.D

Acq: 14 May 2019 19:24

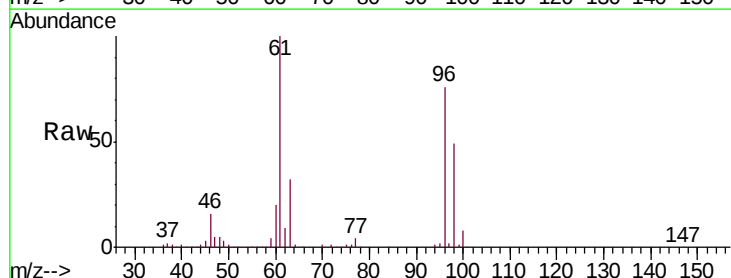
Tgt Ion: 96 Resp: 297578

Ion Ratio Lower Upper

96 100

61 131.8 93.0 172.8

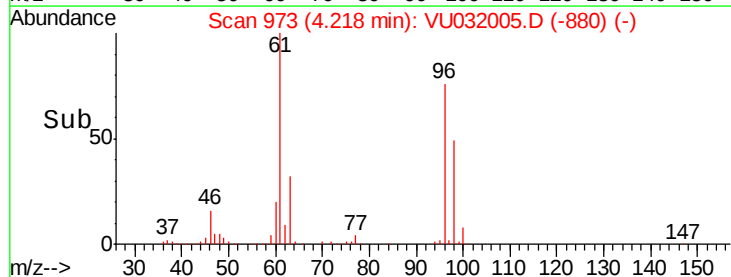
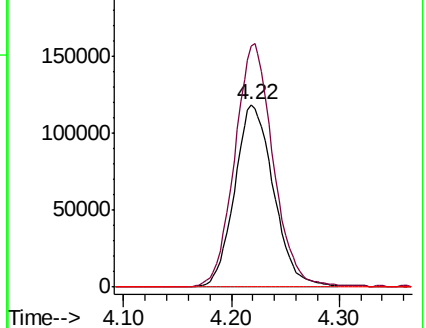
68 0.0 0.0 0.0

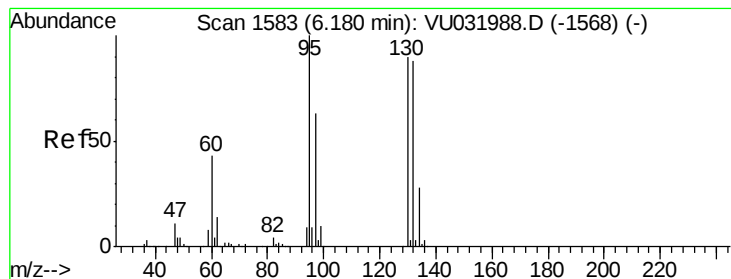


Abundance Ion 96.00 (95.70 to 96.70): VU031988.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU031988.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU031988.D (-954) (-)





#34

Trichloroethene

Concen: 1482.849 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032005.D

Acq: 14 May 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

DB890

Tgt Ion: 95 Resp:13982946

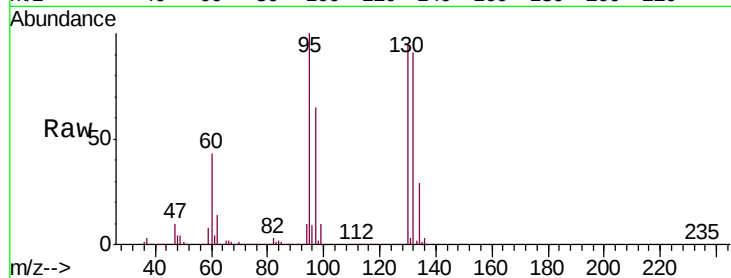
Ion Ratio Lower Upper

95 100

97 64.9 44.9 83.3

132 91.3 63.5 117.9

130 94.7 66.2 123.0

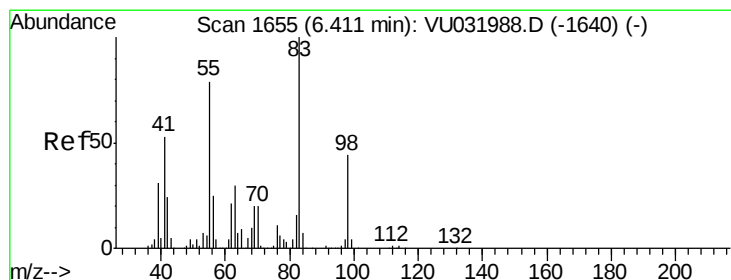
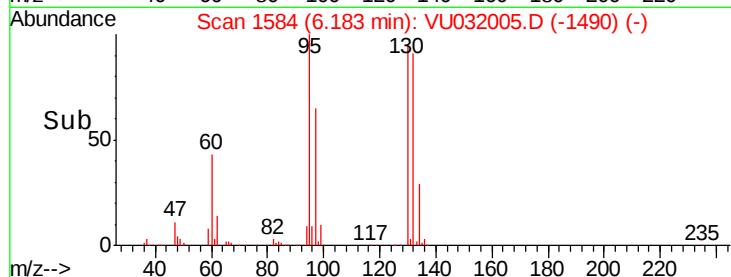
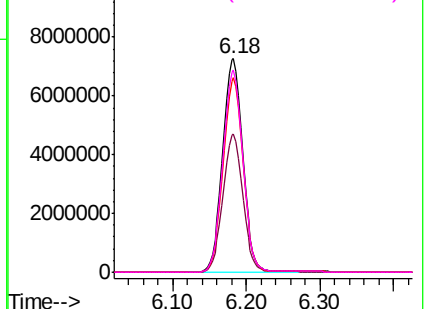


Abundance Ion 95.00 (94.70 to 95.70): VU031988.D (-1568) (-)

Ion 97.00 (96.70 to 97.70): VU031988.D (-1568) (-)

Ion 132.00 (131.70 to 132.70): VU031988.D (-1568) (-)

Ion 130.00 (129.70 to 130.70): VU031988.D (-1568) (-)



#35

Methylcyclohexane

Concen: 0.936 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032005.D

Acq: 14 May 2019 19:24

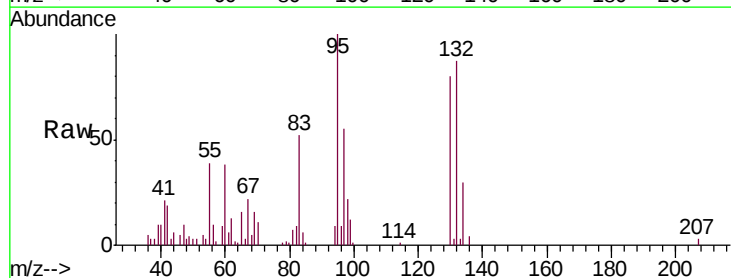
Tgt Ion: 83 Resp: 13539

Ion Ratio Lower Upper

83 100

55 77.8 64.0 96.0

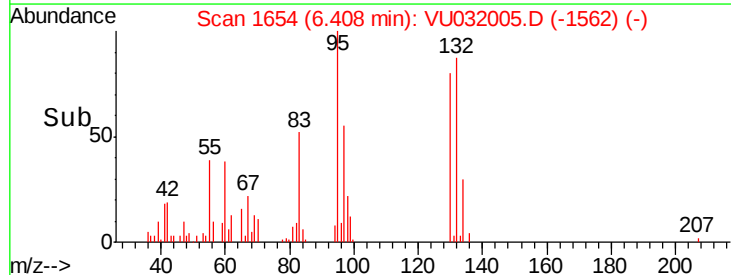
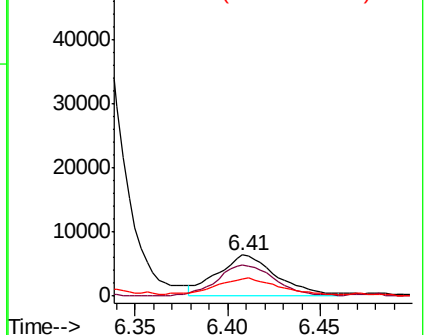
98 50.0 35.6 53.4

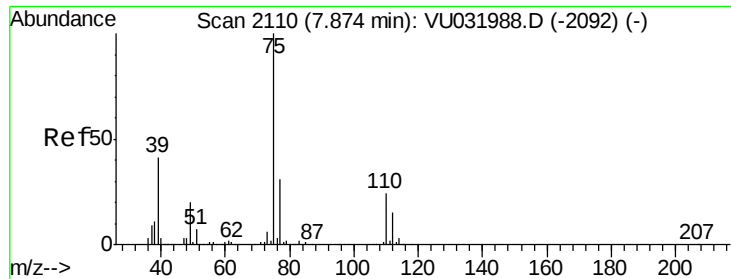


Abundance Ion 83.00 (82.70 to 83.70): VU031988.D (-1640) (-)

Ion 55.00 (54.70 to 55.70): VU031988.D (-1640) (-)

Ion 98.00 (97.70 to 98.70): VU031988.D (-1640) (-)

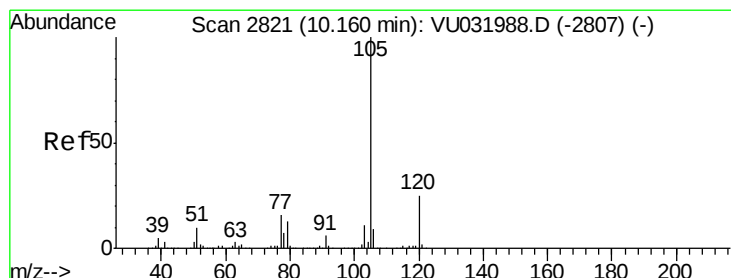
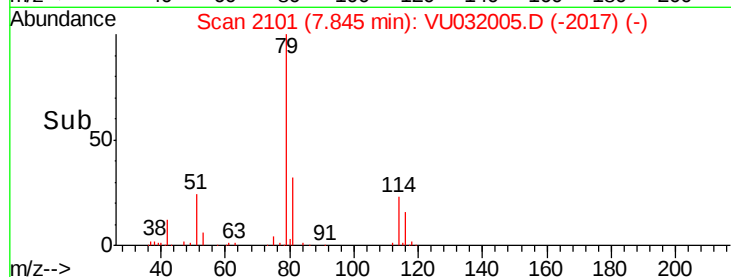
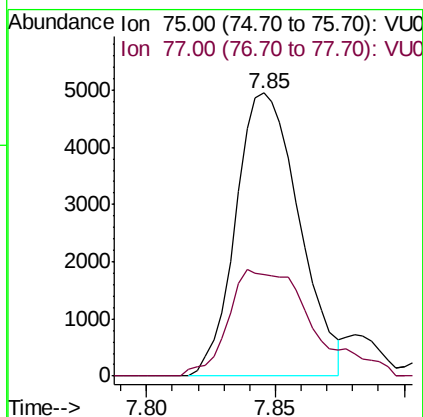
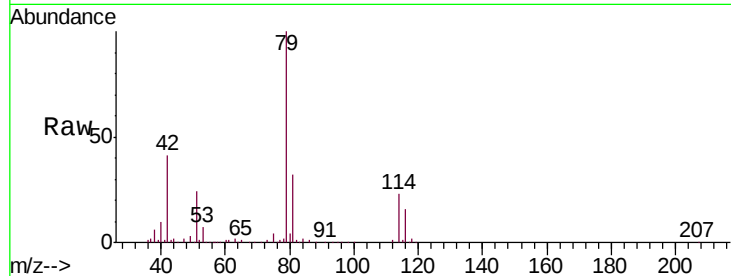




#44
trans-1,3-Dichloropropene
Concen: 0.667 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032005.D
Acq: 14 May 2019 19:24

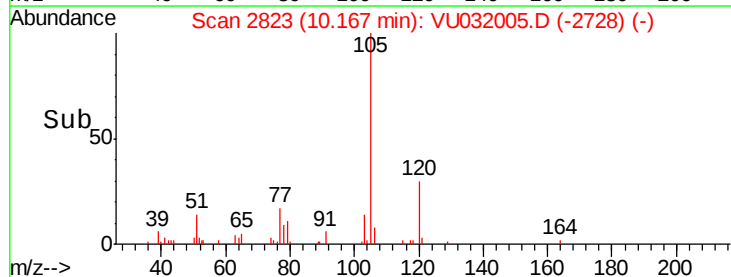
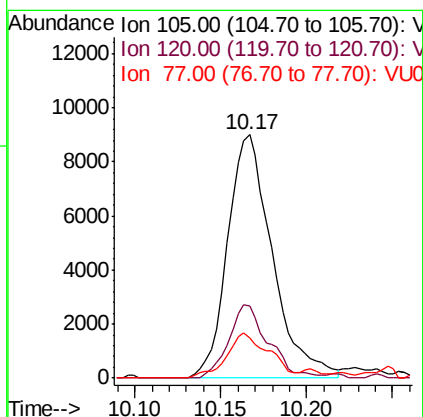
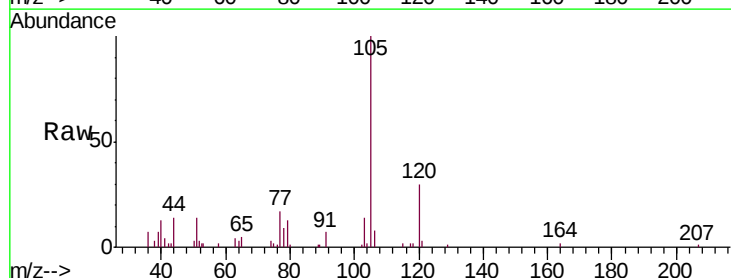
Instrument :
MSVOA_U
ClientSampled :
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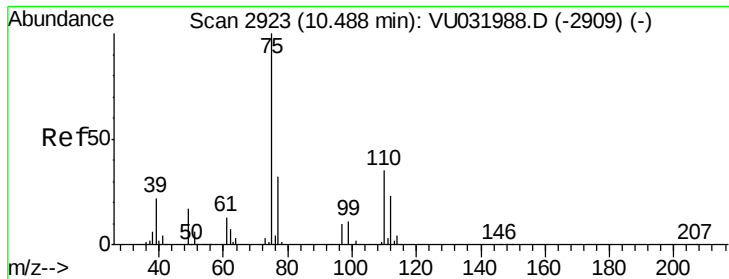
Tgt Ion: 75 Resp: 8501
Ion Ratio Lower Upper
75 100
77 35.8 22.5 41.7



#56
Isopropylbenzene
Concen: 0.422 ug/L
RT: 10.17 min Scan# 2823
Delta R.T. 0.01 min
Lab File: VU032005.D
Acq: 14 May 2019 19:24

Tgt Ion: 105 Resp: 16288
Ion Ratio Lower Upper
105 100
120 25.9 20.5 30.7
77 17.3 13.0 19.4

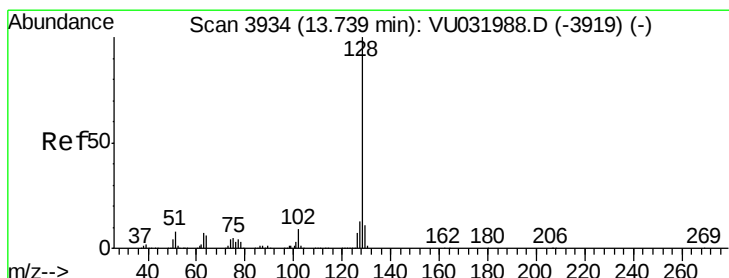
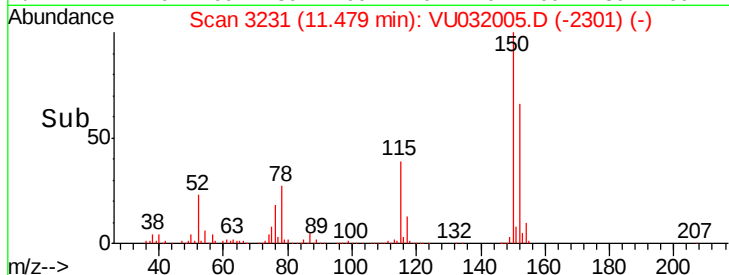
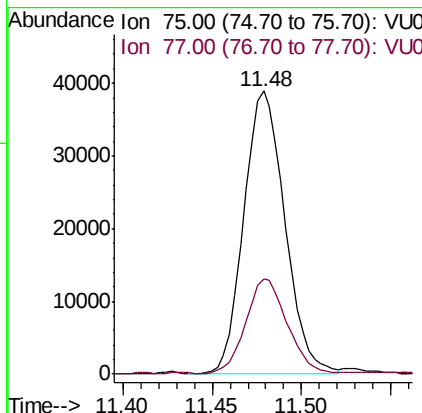
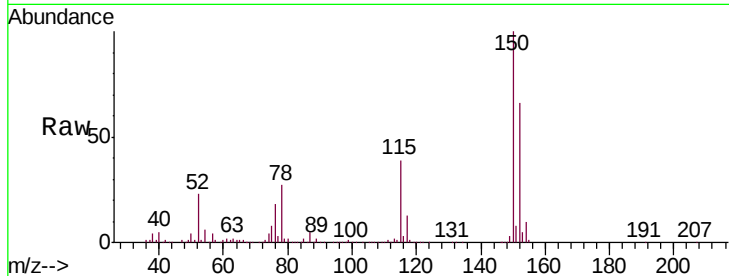




#59
 1,2,3-Trichloropropane
 Concen: 4.727 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032005.D
 Acq: 14 May 2019 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 DB890

Tgt Ion: 75 Resp: 63056
 Ion Ratio Lower Upper
 75 100
 77 34.0 25.7 38.5



#69
 Naphthalene
 Concen: 0.298 ug/L
 RT: 13.76 min Scan# 3939
 Delta R.T. 0.02 min
 Lab File: VU032005.D
 Acq: 14 May 2019 19:24

Tgt Ion: 128 Resp: 8708
 Ion Ratio Lower Upper
 128 100
 127 9.7 10.6 16.0#
 129 5.3 8.6 13.0#

