

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
 Data File : VU031455.D
 Acq On : 23 Apr 2019 22:36
 Operator : JC/SP
 Sample : K2536-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 24 08:45:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 24 08:41:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	728343	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	670571	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	281080	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	227131	38.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.96%
7) Chloroethane-d5	1.68	69	188742	42.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.27	63	327857	31.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.86%
21) 2-Butanone-d5	4.19	46	444770	100.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.80%
24) Chloroform-d	4.64	84	413632	43.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.96%
26) 1,2-Dichloroethane-d4	5.31	65	264685	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.96%
32) Benzene-d6	5.34	84	858066	44.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.33	67	293561	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.18%
41) Toluene-d8	7.56	98	744053	43.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.85	79	121407	42.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.48%
47) 2-Hexanone-d5	8.31	63	314028	100.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.55%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	396796	46.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.84%
64) 1,2-Dichlorobenzene-d4	11.86	152	264108	45.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.94%

Target Compounds

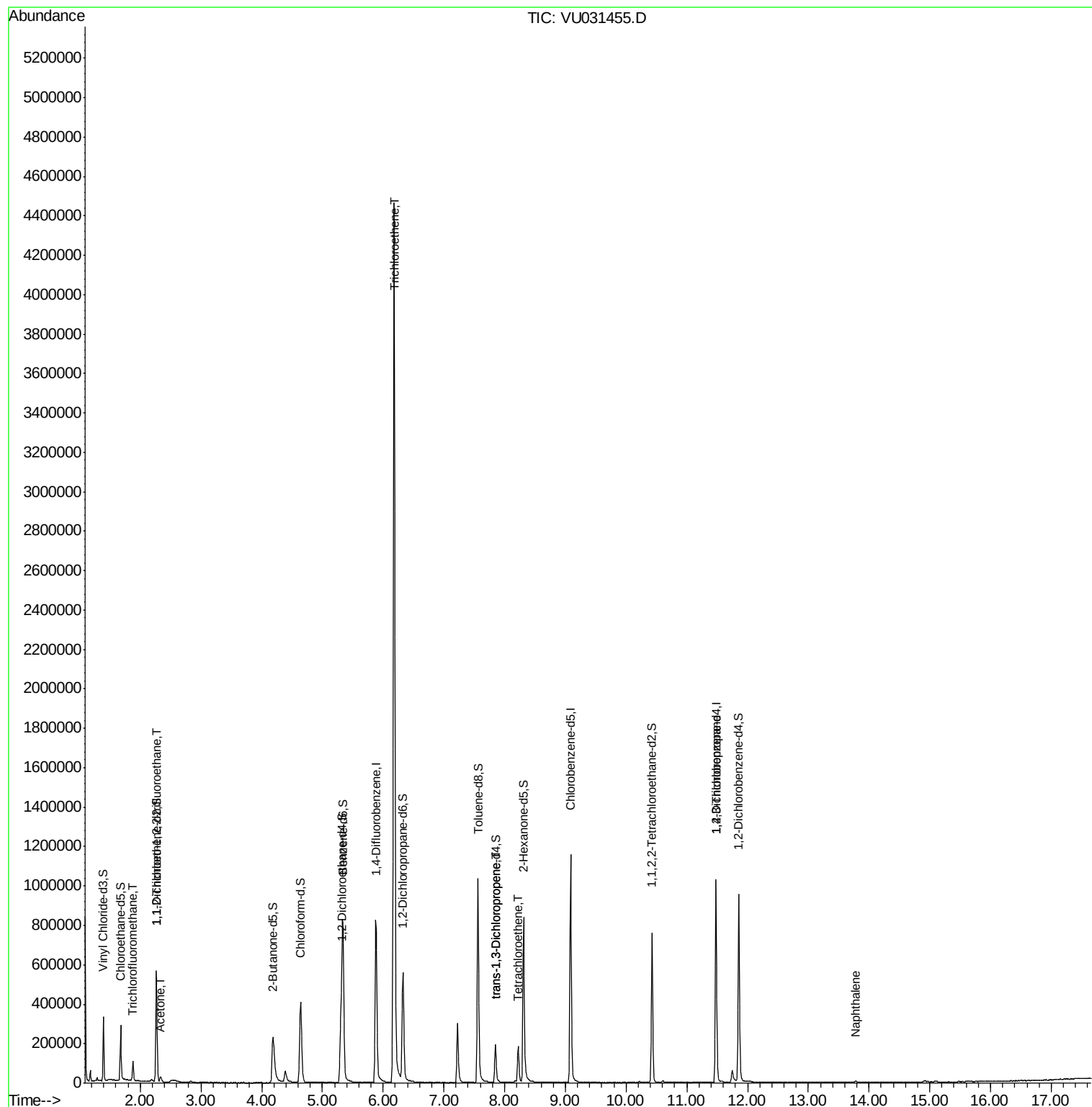
					Ovalue
9) Trichlorofluoromethane	1.88	101	56750	7.299 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2799	0.621 ug/L #	21
13) Acetone	2.34	43	33836	9.768 ug/L	99
34) Trichloroethene	6.18	95	1666066	324.173 ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	4885	0.732 ug/L	90
46) Tetrachloroethene	8.22	164	47456	13.019 ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	33153	5.196 ug/L	95
69) Naphthalene	13.78	128	8683	0.512 ug/L #	88

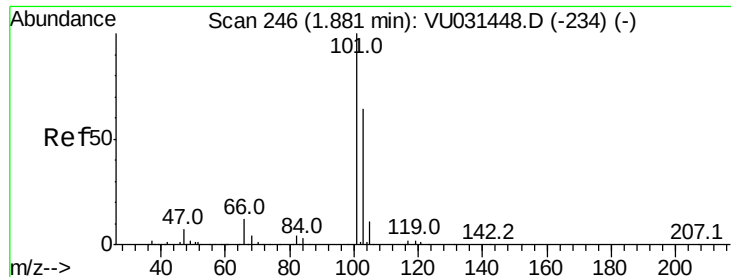
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 7.299 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU031455.D

Acq: 23 Apr 2019 22:36

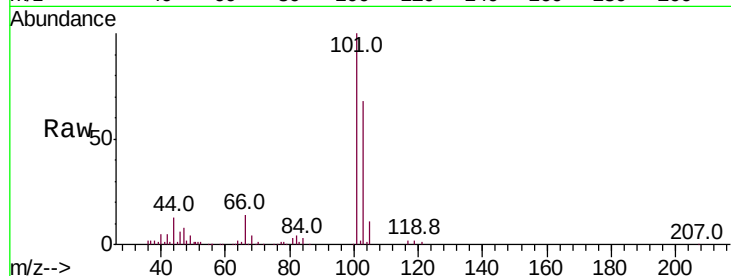
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:101 Resp: 56750

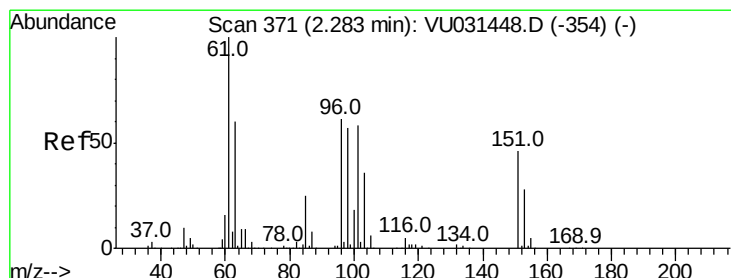
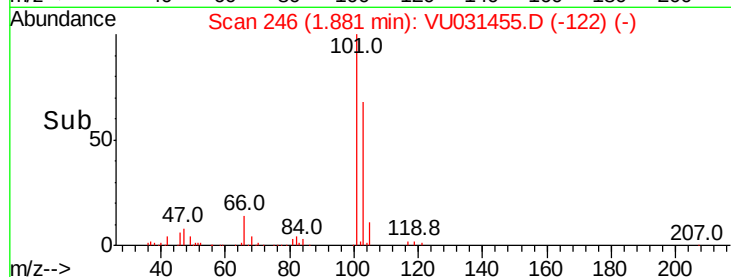
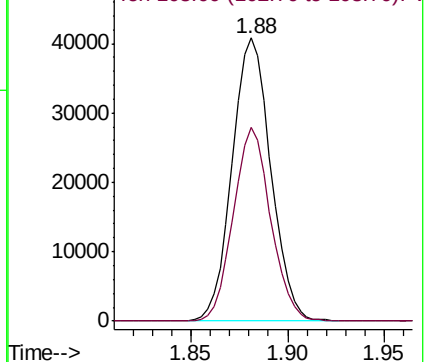
Ion Ratio Lower Upper

101 100

103 66.0 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.621 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031455.D

Acq: 23 Apr 2019 22:36

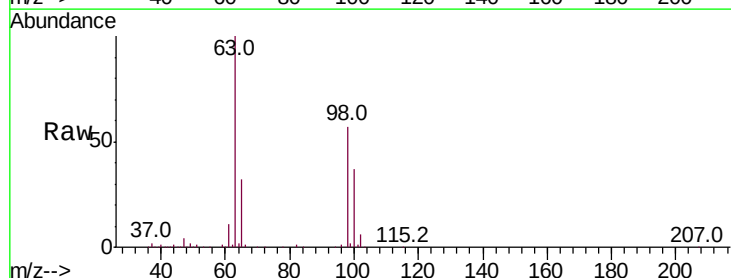
Tgt Ion:101 Resp: 2799

Ion Ratio Lower Upper

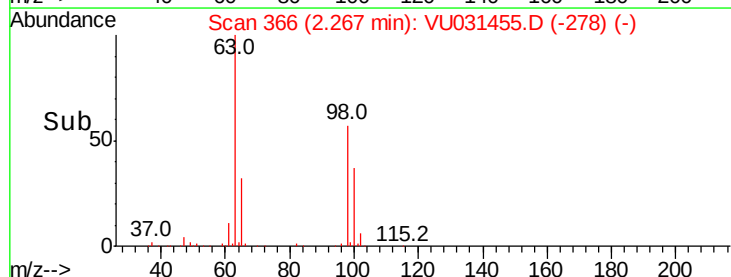
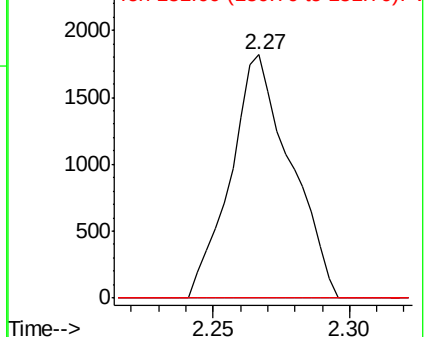
101 100

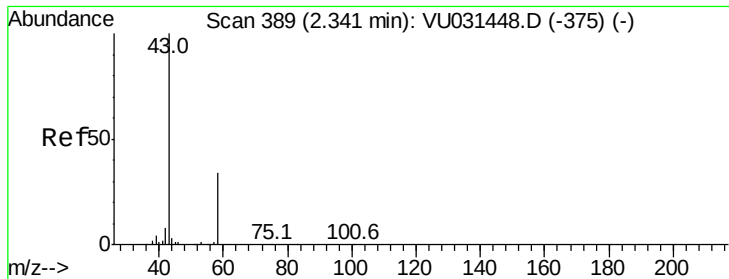
85 3.0 33.1 49.7#

151 0.0 61.4 92.0#



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU
Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 9.768 ug/L

RT: 2.34 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU031455.D

Acq: 23 Apr 2019 22:36

Instrument :

MSVOA_U

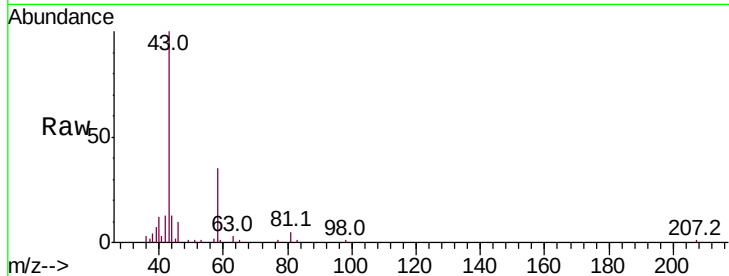
ClientSampleId :

Tot Ion: 43 Resp: 33836

Ion Ratio Lower Upper

43 100

58 32.7 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VU031448.D (-375) (-)

Ion 58.00 (57.70 to 58.70): VU031448.D (-375) (-)

2.34

15000

10000

5000

0

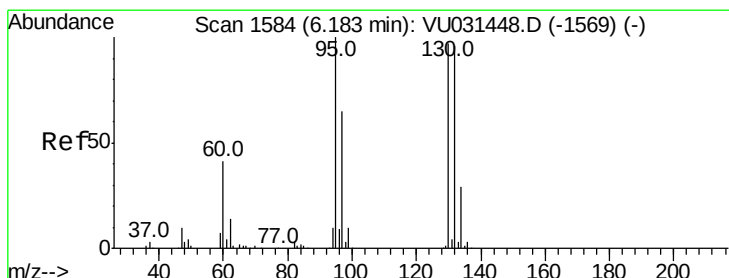
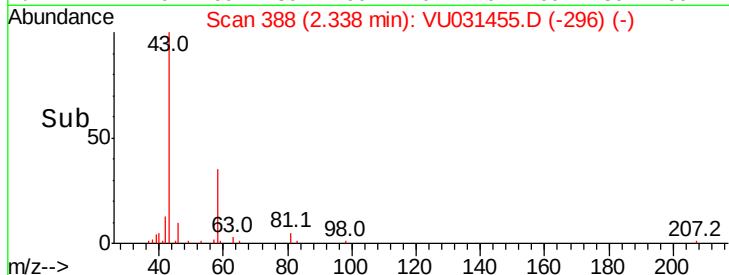
Time-->

2.25

2.30

2.35

2.40



#34

Trichloroethene

Concen: 324.173 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031455.D

Acq: 23 Apr 2019 22:36

Tgt Ion: 95 Resp: 1666066

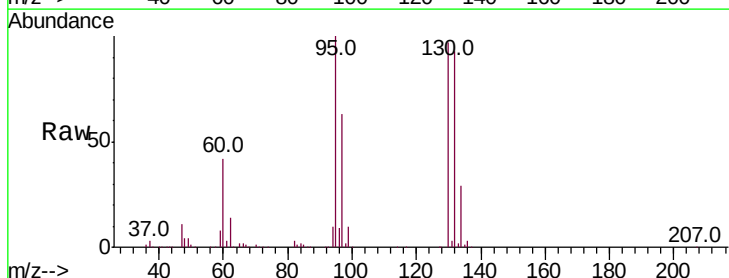
Ion Ratio Lower Upper

95 100

97 63.5 44.9 83.5

132 93.3 68.0 126.2

130 97.1 70.1 130.1



Abundance Ion 95.00 (94.70 to 95.70): VU031448.D (-1569) (-)

Ion 97.00 (96.70 to 97.70): VU031448.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU031448.D (-1569) (-)

Ion 130.00 (129.70 to 130.70): VU031448.D (-1569) (-)

1200000

1000000

800000

600000

400000

200000

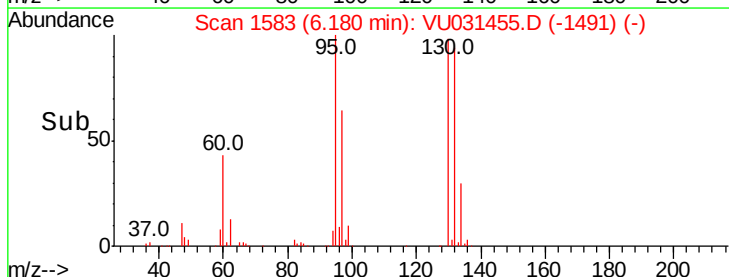
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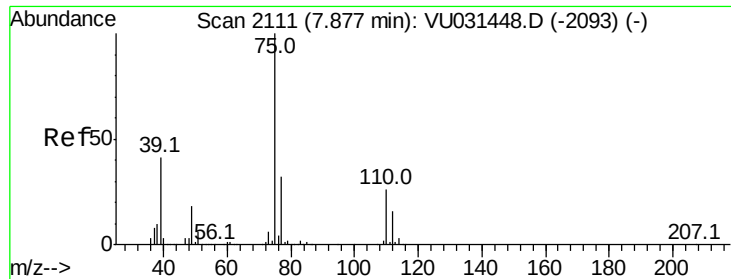
Time-->

6.10

6.20

6.30

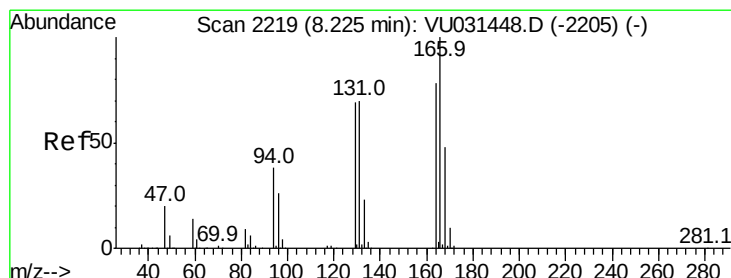
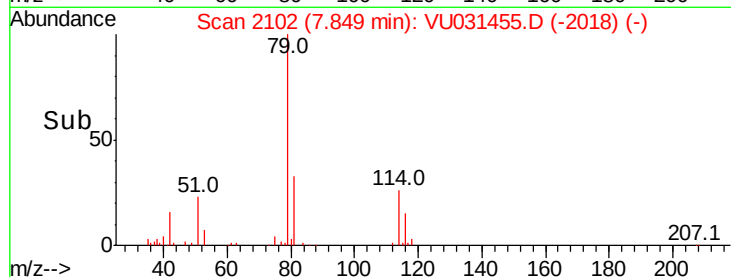
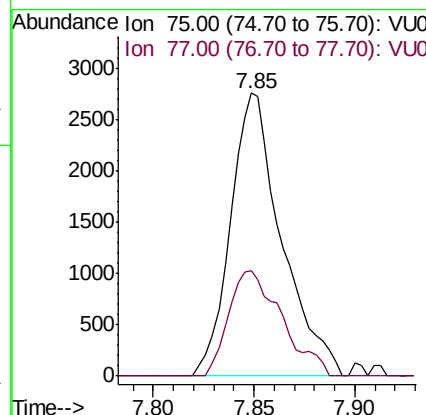
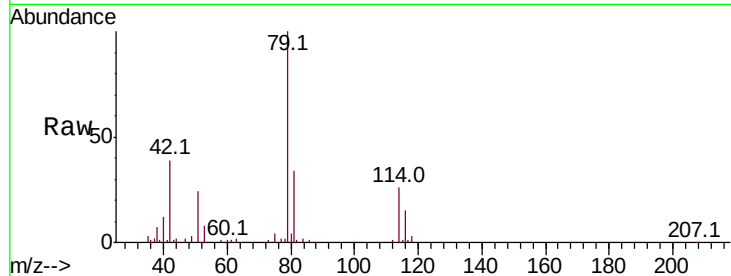




#44
trans-1,3-Dichloropropene
Concen: 0.732 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU031455.D
Acq: 23 Apr 2019 22:36

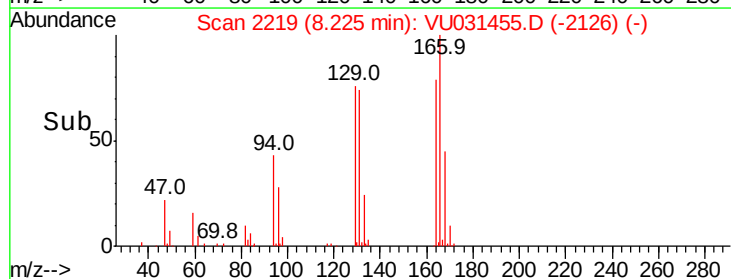
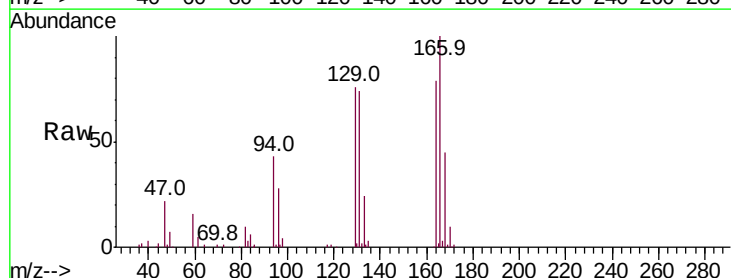
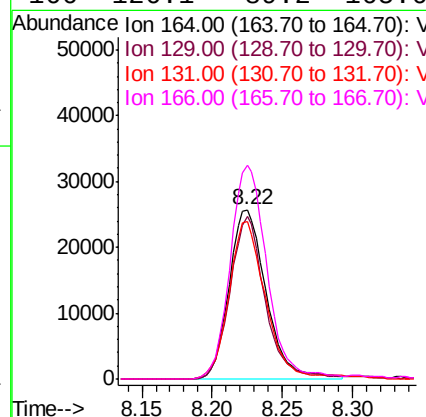
Instrument :
MSVOA_U
ClientSampleId :

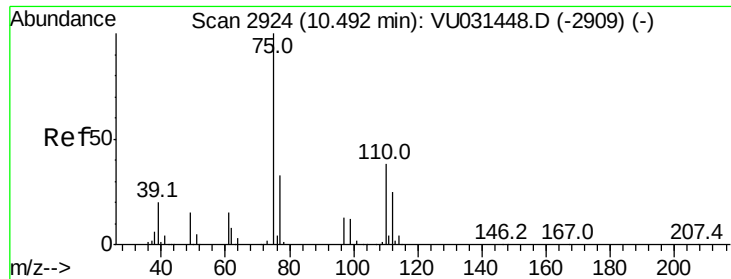
Tot Ion: 75 Resp: 4885
Ion Ratio Lower Upper
75 100
77 37.3 22.3 41.3



#46
Tetrachloroethene
Concen: 13.019 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031455.D
Acq: 23 Apr 2019 22:36

Tgt Ion:164 Resp: 47456
Ion Ratio Lower Upper
164 100
129 96.1 65.2 121.0
131 93.2 61.4 114.0
166 126.1 89.2 165.6





#59

1,2,3-Trichloropropane

Concen: 5.196 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031455.D

Acq: 23 Apr 2019 22:36

Instrument :

MSVOA_U

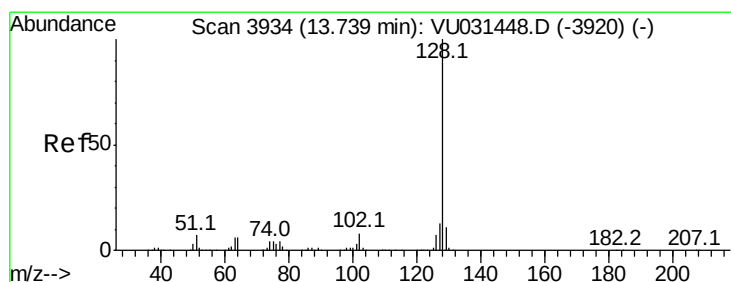
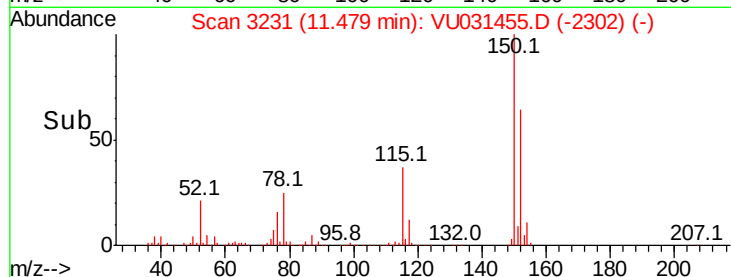
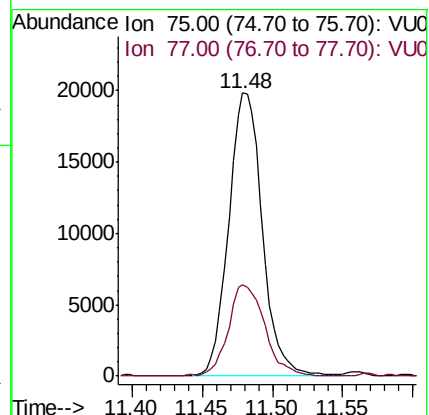
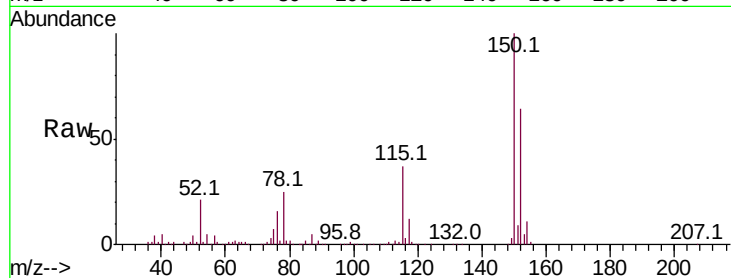
ClientSampleId :

Tot Ion: 75 Resp: 33153

Ion Ratio Lower Upper

75 100

77 34.7 25.6 38.4



#69

Naphthalene

Concen: 0.512 ug/L

RT: 13.78 min Scan# 3946

Delta R.T. 0.04 min

Lab File: VU031455.D

Acq: 23 Apr 2019 22:36

Tgt Ion: 128 Resp: 8683

Ion Ratio Lower Upper

128 100

127 10.2 10.2 15.4#

129 4.1 8.6 13.0#

