

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041919\
 Data File : VU031340.D
 Acq On : 19 Apr 2019 06:27
 Operator : JC/SP
 Sample : K2451-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 19 07:53:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 07:47:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	234899	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	234519	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	82545	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	91923	3.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.40%
7) Chloroethane-d5	1.68	69	76054	3.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.20%
11) 1,1-Dichloroethene-d2	2.27	63	136887	2.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.80%#
20) 2-Butanone-d5	4.20	46	303080	59.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.74%
24) Chloroform-d	4.64	84	173277	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.31	65	99364	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
32) Benzene-d6	5.33	84	323735	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.33	67	113819	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.00%
41) Toluene-d8	7.56	98	250315	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	7.85	79	36828	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.31	63	196156	51.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	92208	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	87665	5.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.00%

Target Compounds

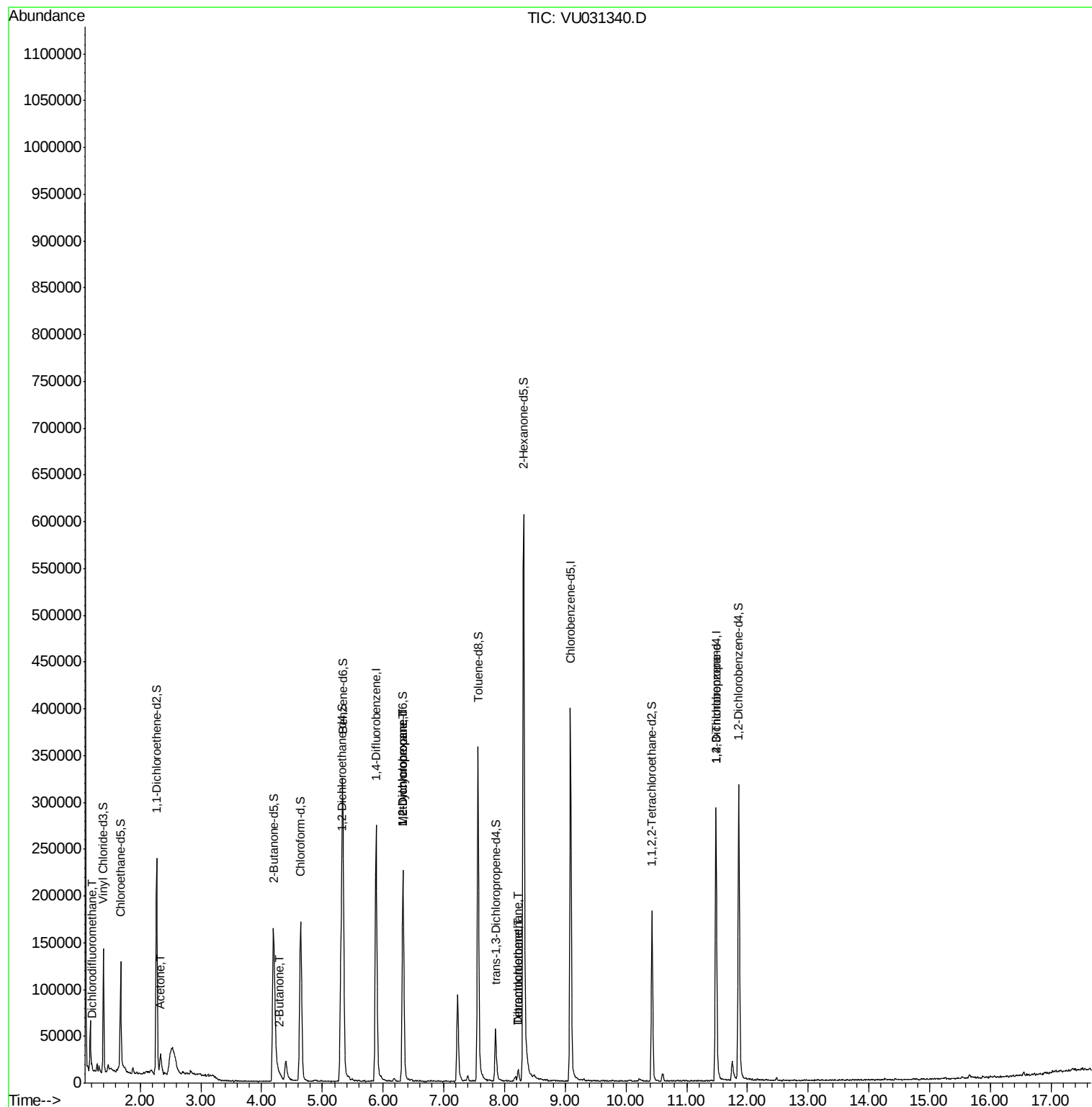
					Ovalue
2) Dichlorodifluoromethane	1.20	85	4444	0.164 ug/L	97
13) Acetone	2.33	43	20140	3.576 ug/L	98
21) 2-Butanone	4.30	43	5389	0.931 ug/L	79
35) Methylcyclohexane	6.32	83	25785	0.870 ug/L #	15
37) 1,2-Dichloropropane	6.33	63	11744	0.560 ug/L #	87
47) Tetrachloroethene	8.22	164	3381	0.211 ug/L	88
49) Dibromochloromethane	8.23	129	2730	0.153 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	9497	0.693 ug/L	93

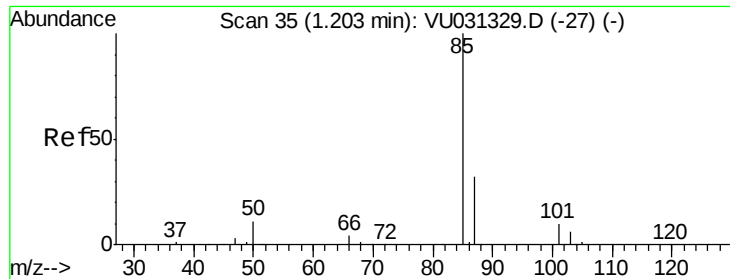
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.164 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031340.D

Acq: 19 Apr 2019 06:27

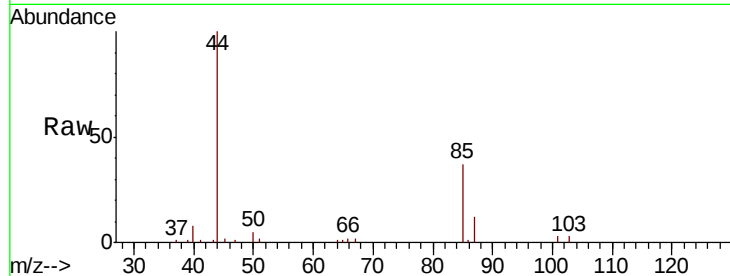
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 4444

Ion Ratio Lower Upper

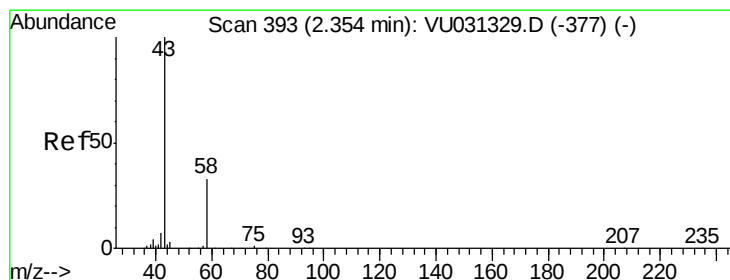
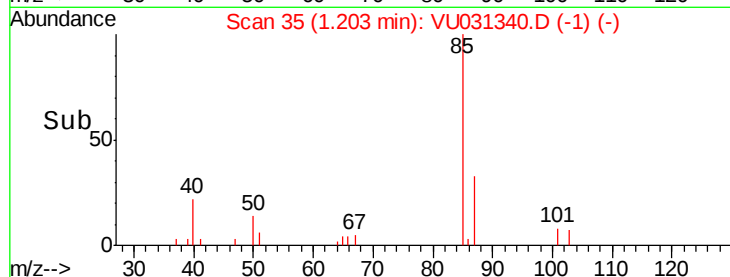
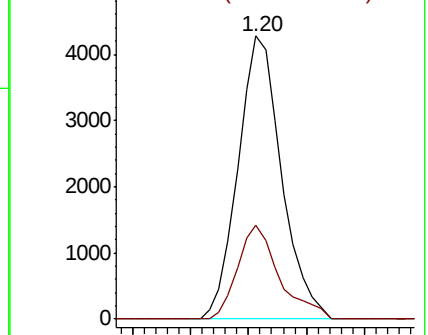
85 100

87 32.0 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VU031329.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031329.D (-27) (-)



#13

Acetone

Concen: 3.576 ug/L

RT: 2.33 min Scan# 387

Delta R.T. -0.02 min

Lab File: VU031340.D

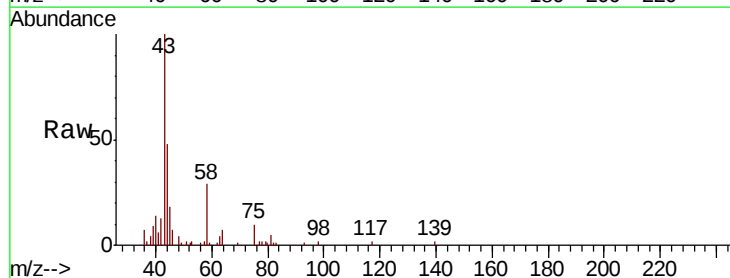
Acq: 19 Apr 2019 06:27

Tgt Ion: 43 Resp: 20140

Ion Ratio Lower Upper

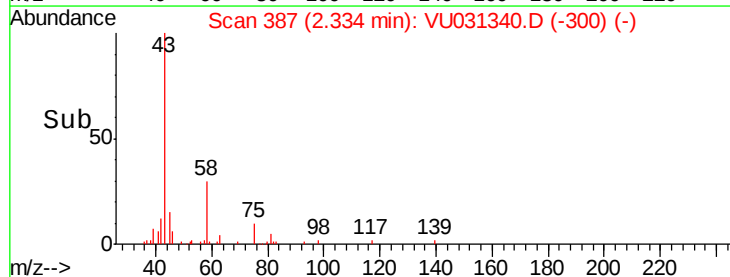
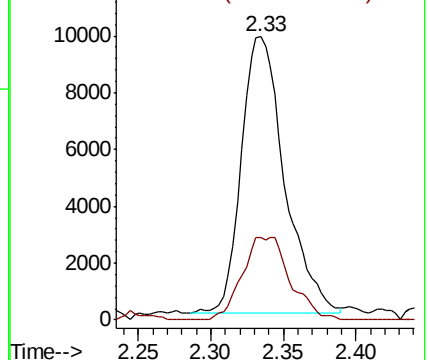
43 100

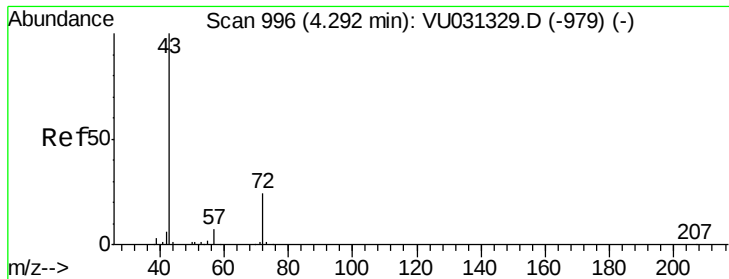
58 33.3 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU031329.D (-377) (-)

Ion 58.05 (57.75 to 58.75): VU031329.D (-377) (-)





#21

2-Butanone

Concen: 0.931 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VU031340.D

Acq: 19 Apr 2019 06:27

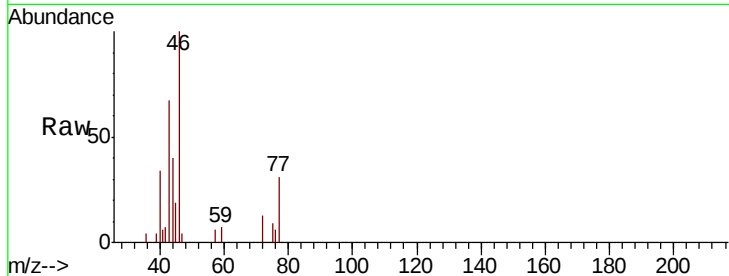
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 5389

Ion Ratio Lower Upper

43 100

72 13.3 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU031329.D (-979) (-)

Ion 72.10 (71.80 to 72.80): VU031329.D (-979) (-)

12000

10000

8000

6000

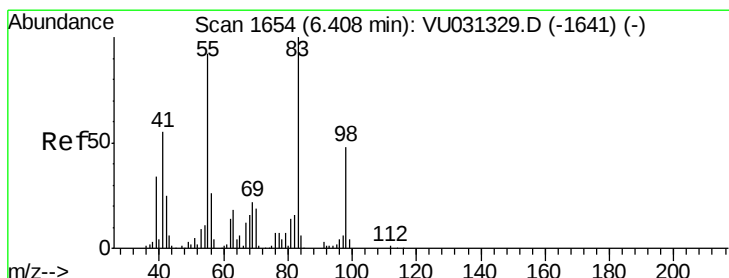
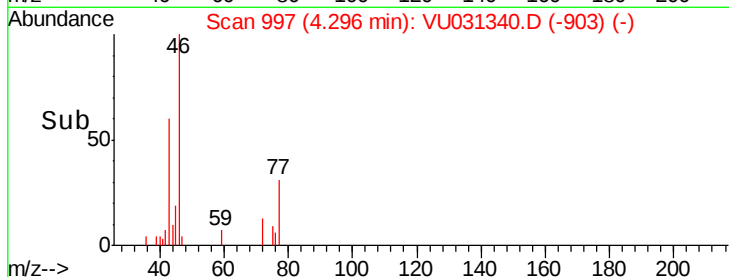
4000

2000

0

4.20 4.25 4.30 4.35

Time-->



#35

Methylcyclohexane

Concen: 0.870 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU031340.D

Acq: 19 Apr 2019 06:27

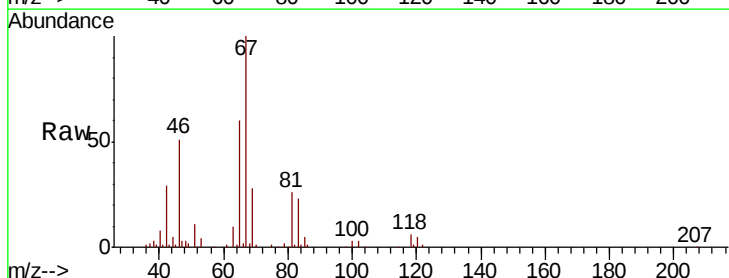
Tgt Ion: 83 Resp: 25785

Ion Ratio Lower Upper

83 100

55 1.2 70.6 105.8#

98 1.3 37.0 55.4#



Abundance Ion 83.15 (82.85 to 83.85): VU031329.D (-1641) (-)

Ion 55.10 (54.80 to 55.80): VU031329.D (-1641) (-)

Ion 98.15 (97.85 to 98.85): VU031329.D (-1641) (-)

15000

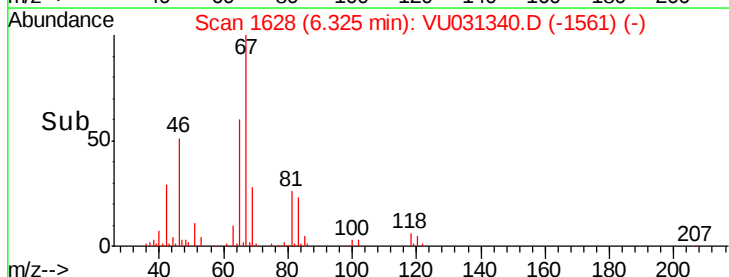
10000

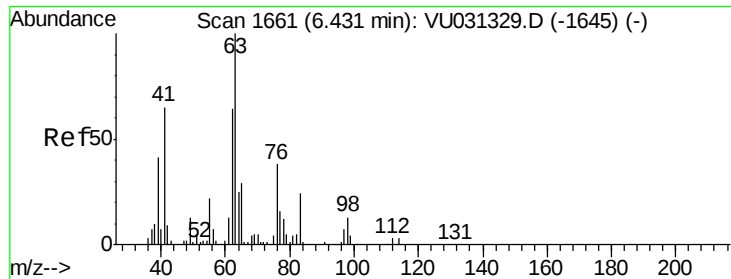
5000

0

6.25 6.30 6.35 6.40

Time-->





#37

1,2-Dichloropropane

Concen: 0.560 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU031340.D

Acq: 19 Apr 2019 06:27

Instrument :

MSVOA_U

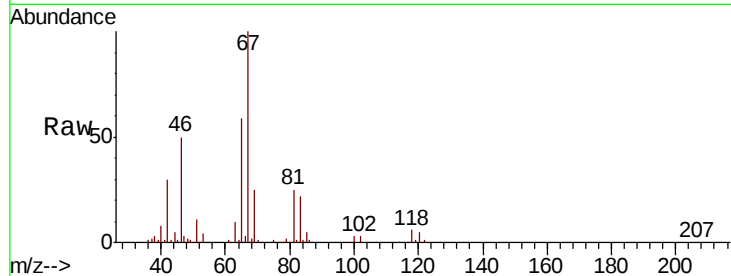
ClientSampleId :

Tot Ion: 63 Resp: 11744

Ion Ratio Lower Upper

63 100

112 0.2 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU031329.D (-1645) (-)

Ion 112.10 (111.80 to 112.80): VU031329.D (-1645) (-)

6.33

6000

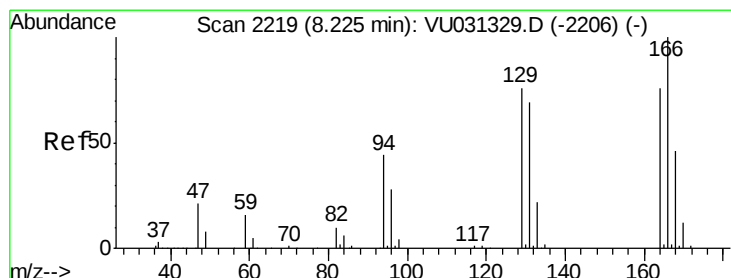
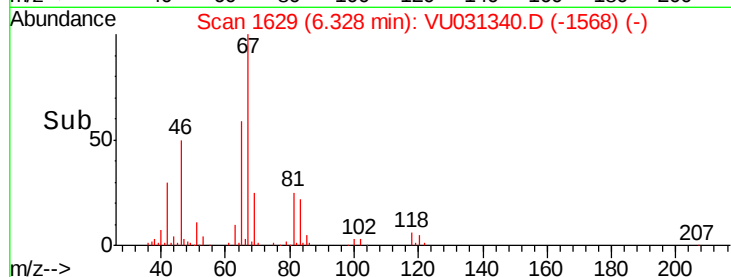
4000

2000

0

6.25 6.30 6.35 6.40

Time-->



#47

Tetrachloroethene

Concen: 0.211 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031340.D

Acq: 19 Apr 2019 06:27

Tgt Ion: 164 Resp: 3381

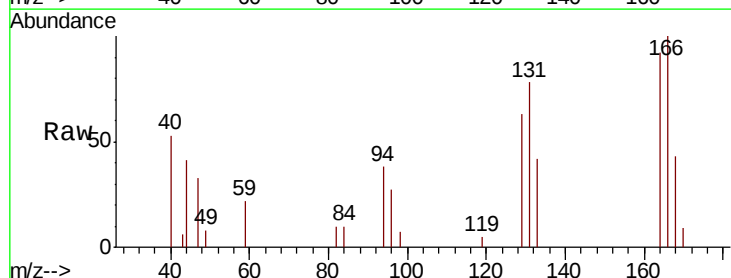
Ion Ratio Lower Upper

164 100

129 68.4 61.9 114.9

131 85.0 61.5 114.3

166 109.0 84.6 157.0



Abundance Ion 163.90 (163.60 to 164.60): VU031329.D (-2206) (-)

Ion 128.95 (128.65 to 129.65): VU031329.D (-2206) (-)

Ion 130.95 (130.65 to 131.65): VU031329.D (-2206) (-)

Ion 165.90 (165.60 to 166.60): VU031329.D (-2206) (-)

3000

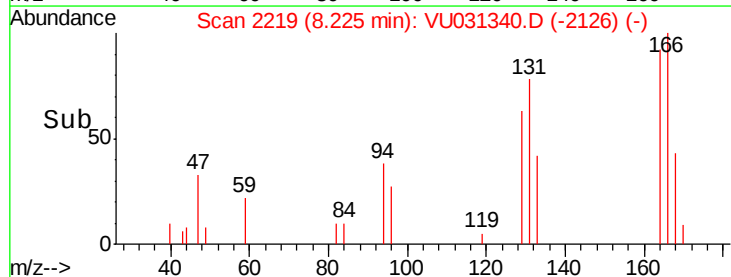
2000

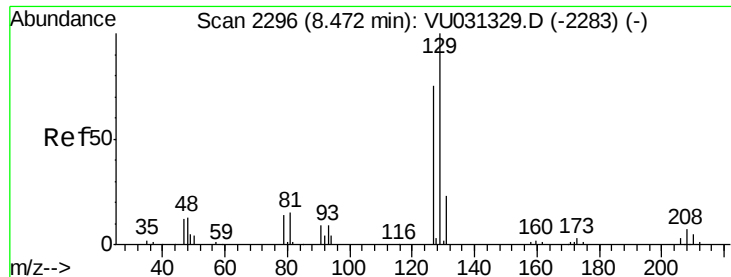
1000

0

8.20 8.25 8.30

Time-->





#49

Dibromochloromethane

Concen: 0.153 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. -0.24 min

Lab File: VU031340.D

Acq: 19 Apr 2019 06:27

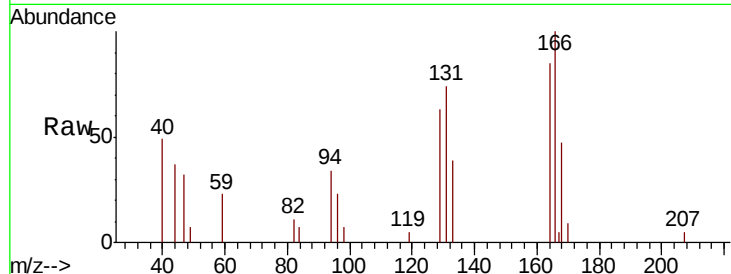
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:129 Resp: 2730

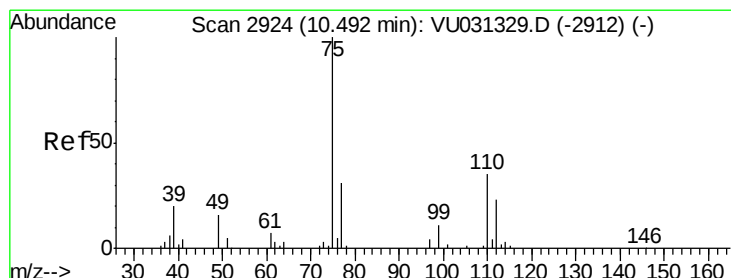
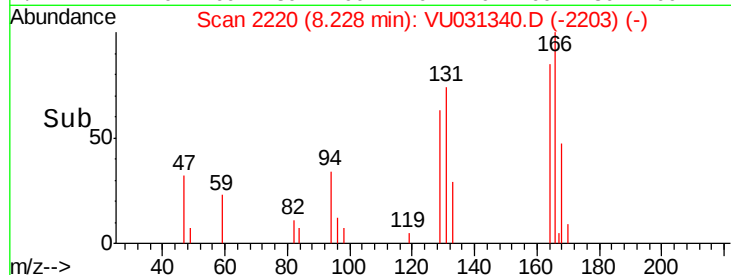
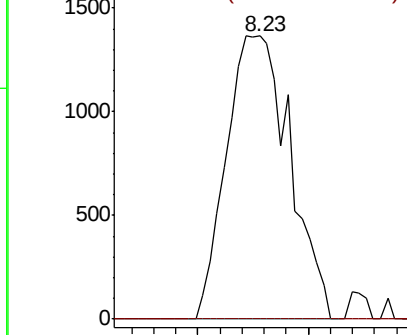
Ion Ratio Lower Upper

129 100

127 0.0 53.3 99.1#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.693 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031340.D

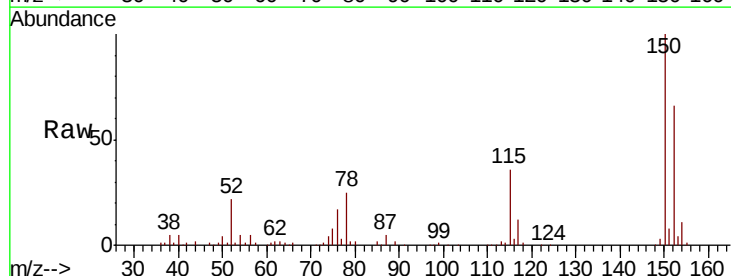
Acq: 19 Apr 2019 06:27

Tgt Ion: 75 Resp: 9497

Ion Ratio Lower Upper

75 100

77 37.5 27.0 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

