

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112719\
 Data File : VU035904.D
 Acq On : 27 Nov 2019 19:00
 Operator : JC/SP
 Sample : K6057-13DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 28 05:02:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 28 04:57:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	226881	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	270731	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	100123	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	127249	4.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.80%
7) Chloroethane-d5	1.93	69	120306	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.59	63	152001	2.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.20%#
20) 2-Butanone-d5	4.70	46	376734	54.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.86%
24) Chloroform-d	5.11	84	225605	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.75	65	127022	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.77	84	417197	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.80%
36) 1,2-Dichloropropane-d6	6.73	67	148892	4.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.60%
41) Toluene-d8	7.93	98	329026	3.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.00%#
43) trans-1,3-Dichloropropene-	8.22	79	50860	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	8.68	63	282069	51.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.64%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	131000	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	102845	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

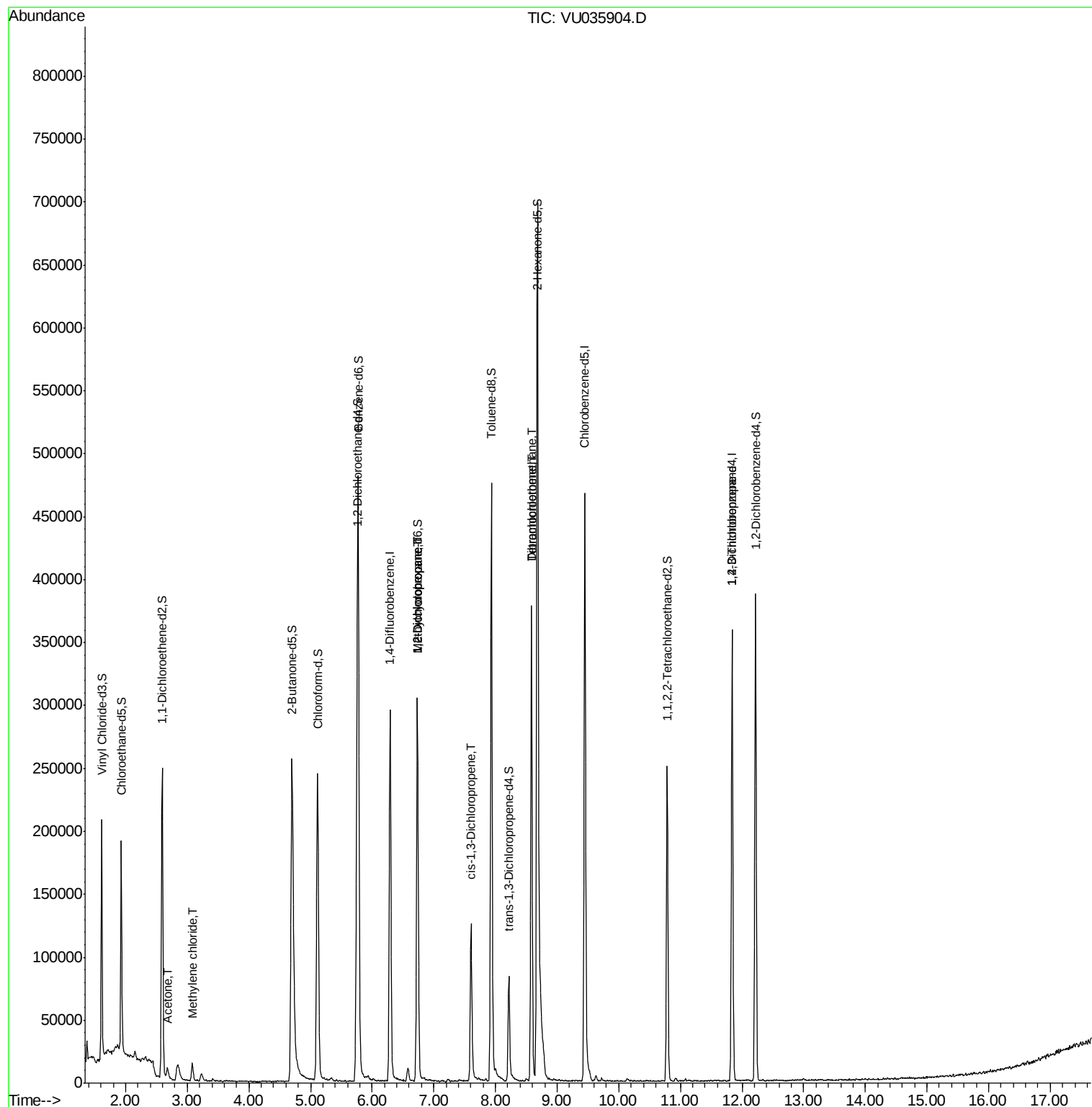
					Ovalue
13) Acetone	2.68	43	11795	1.958	ug/L 97
16) Methylene chloride	3.08	84	6444	0.226	ug/L 96
35) Methylcyclohexane	6.73	83	34416	0.846	ug/L # 14
37) 1,2-Dichloropropane	6.73	63	15797	0.493	ug/L # 90
39) cis-1,3-Dichloropropene	7.60	75	3647	0.088	ug/L # 59
47) Tetrachloroethene	8.58	164	82852	3.930	ug/L 97
49) Dibromochloromethane	8.58	129	78774	3.197	ug/L # 12
59) 1,2,3-Trichloropropane	11.84	75	13408	0.643	ug/L 97

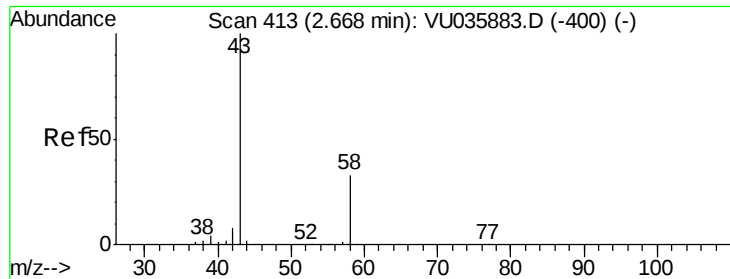
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.958 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU035904.D

Acq: 27 Nov 2019 19:00

Instrument :

MSVOA_U

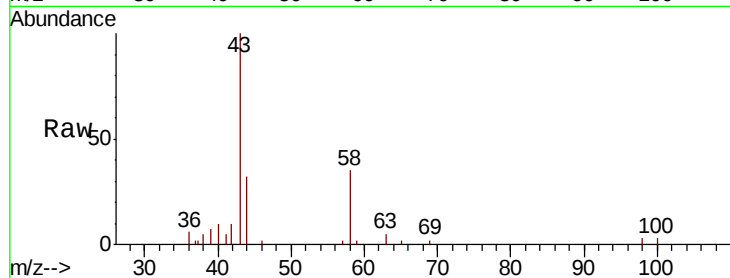
ClientSampleId :

Tot Ion: 43 Resp: 11795

Ion Ratio Lower Upper

43 100

58 32.4 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035883.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU035883.D (-400) (-)

2.68

6000

5000

4000

3000

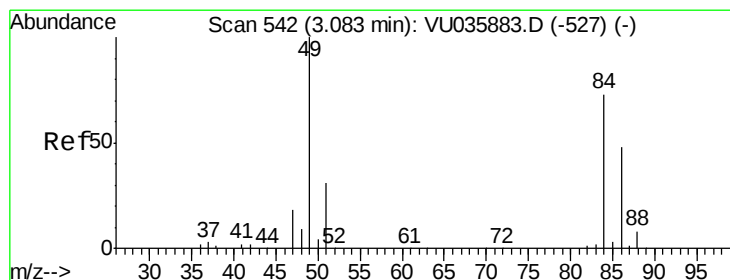
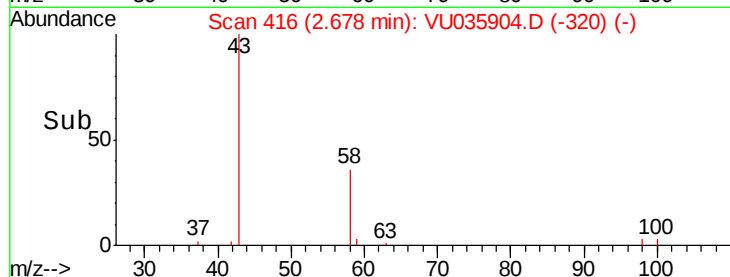
2000

1000

0

Time-->

2.60 2.65 2.70 2.75



#16

Methylene chloride

Concen: 0.226 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.01 min

Lab File: VU035904.D

Acq: 27 Nov 2019 19:00

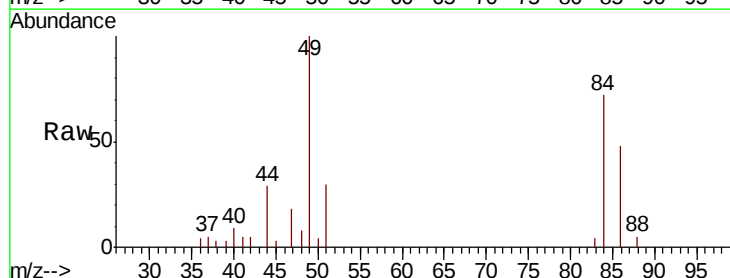
Tgt Ion: 84 Resp: 6444

Ion Ratio Lower Upper

84 100

86 67.0 44.4 82.5

49 138.4 94.0 174.6



Abundance Ion 84.05 (83.75 to 84.75): VU035883.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU035883.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU035883.D (-527) (-)

6000

5000

4000

3000

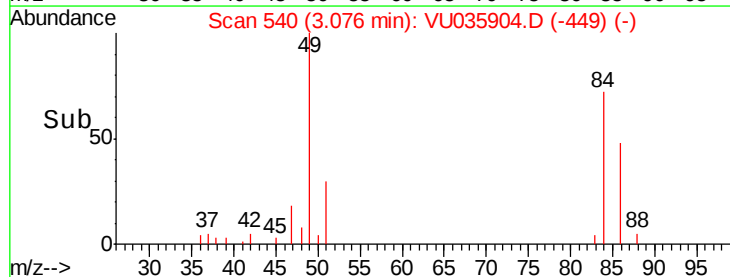
2000

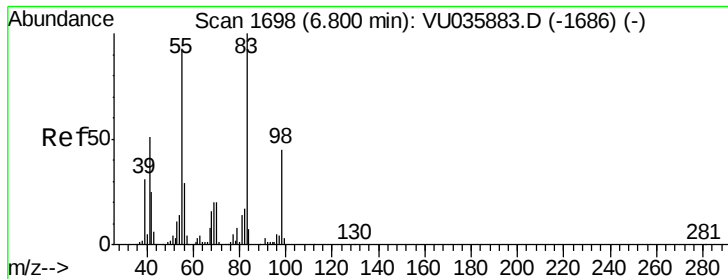
1000

0

Time-->

3.05 3.10 3.15

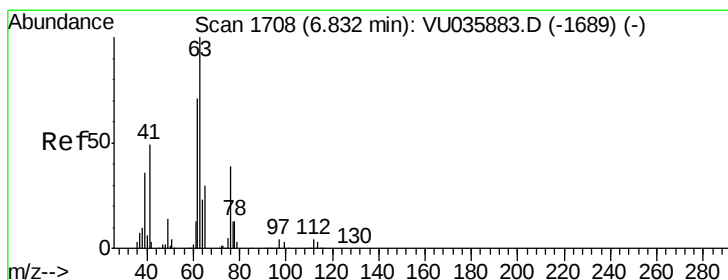
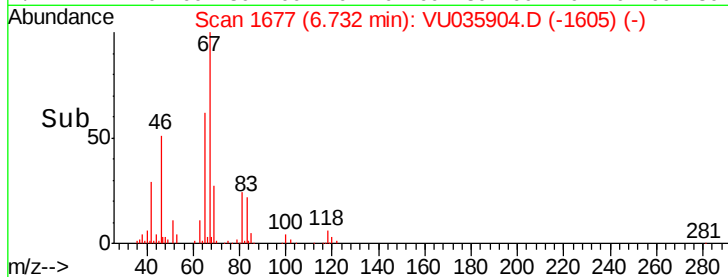
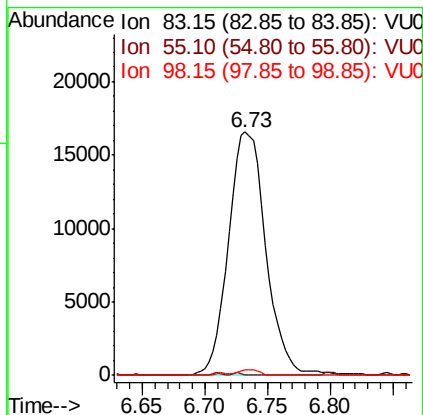
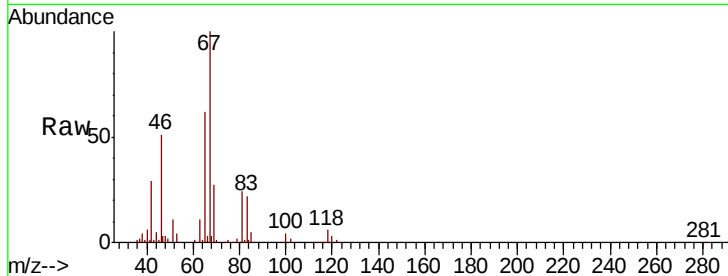




#35
Methvlcvclohexane
Concen: 0.846 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU035904.D
Acq: 27 Nov 2019 19:00

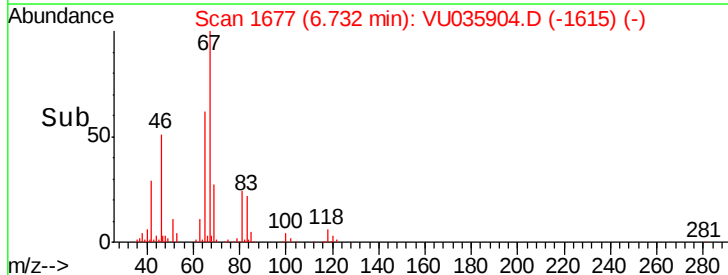
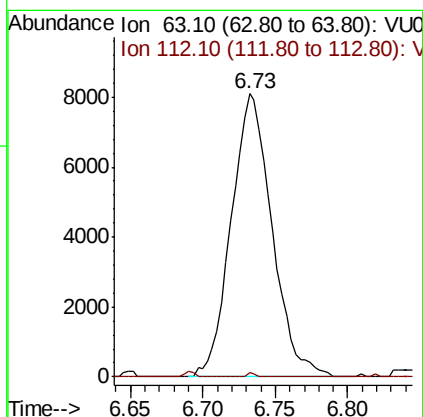
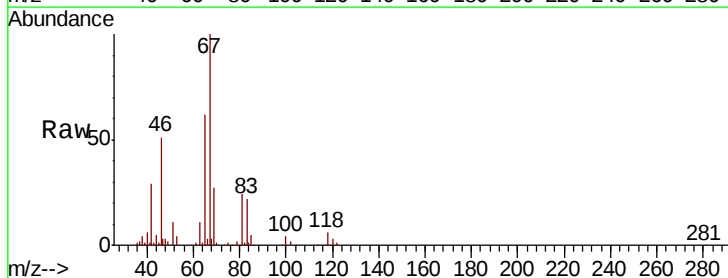
Instrument :
MSVOA_U
ClientSampleId :

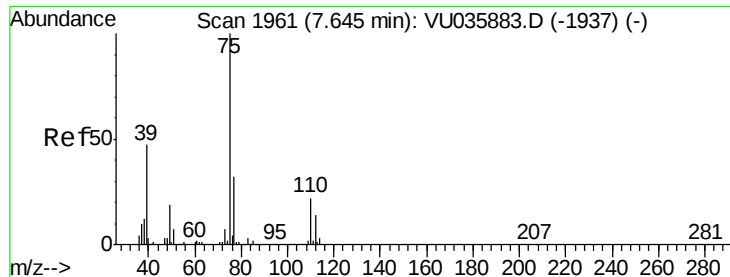
Tot Ion: 83 Resp: 34416
Ion Ratio Lower Upper
83 100
55 0.3 72.7 109.1#
98 1.2 36.2 54.4#



#37
1,2-Dichloropropane
Concen: 0.493 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU035904.D
Acq: 27 Nov 2019 19:00

Tgt Ion: 63 Resp: 15797
Ion Ratio Lower Upper
63 100
112 0.3 2.7 4.1#

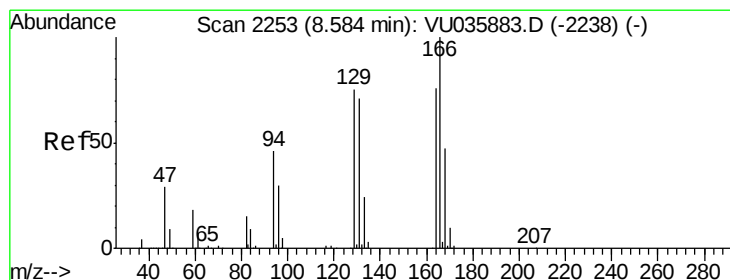
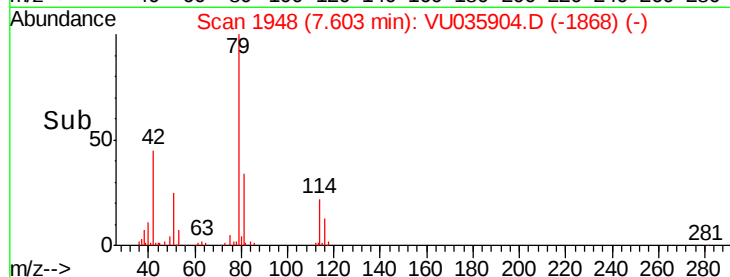
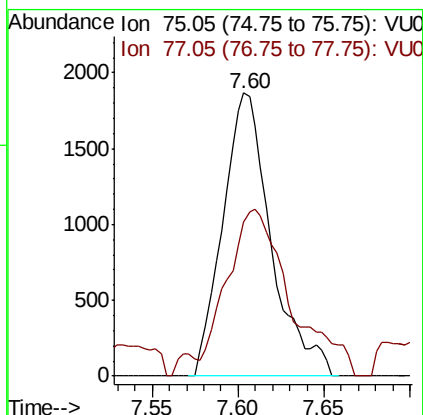
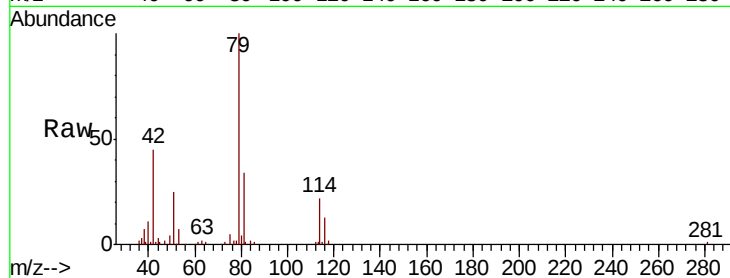




#39
 cis-1,3-Dichloropropene
 Concen: 0.088 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035904.D
 Acq: 27 Nov 2019 19:00

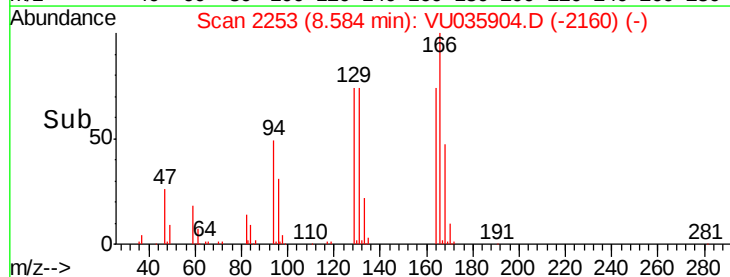
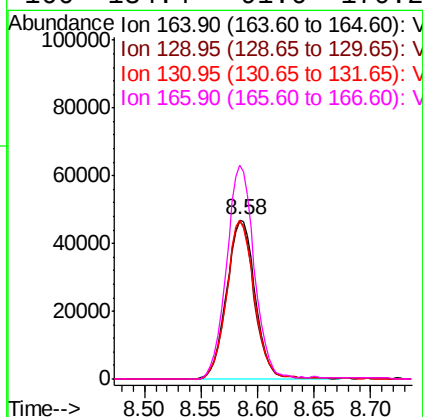
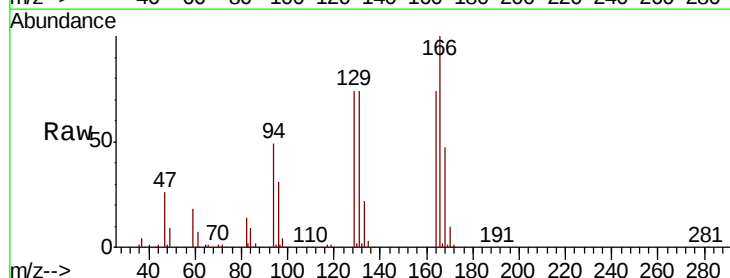
Instrument :
 MSVOA_U
 ClientSampleId :

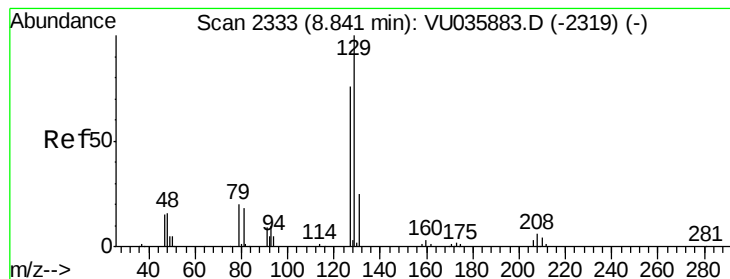
Tot Ion: 75 Resp: 3647
 Ion Ratio Lower Upper
 75 100
 77 54.3 22.1 41.1#



#47
 Tetrachloroethene
 Concen: 3.930 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035904.D
 Acq: 27 Nov 2019 19:00

Tgt Ion:164 Resp: 82852
 Ion Ratio Lower Upper
 164 100
 129 99.4 68.8 127.8
 131 99.7 67.3 124.9
 166 134.4 91.6 170.2





#49

Dibromochloromethane

Concen: 3.197 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035904.D

Acq: 27 Nov 2019 19:00

Instrument :

MSVOA_U

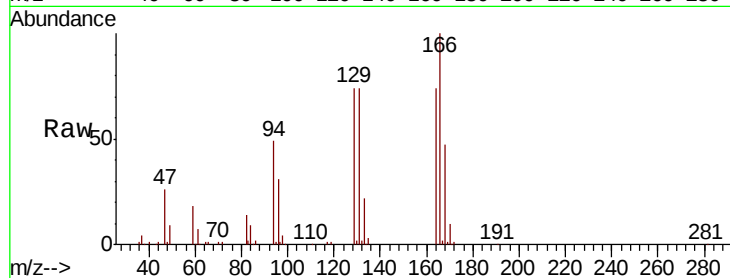
ClientSampled :

Tot Ion:129 Resp: 78774

Ion Ratio Lower Upper

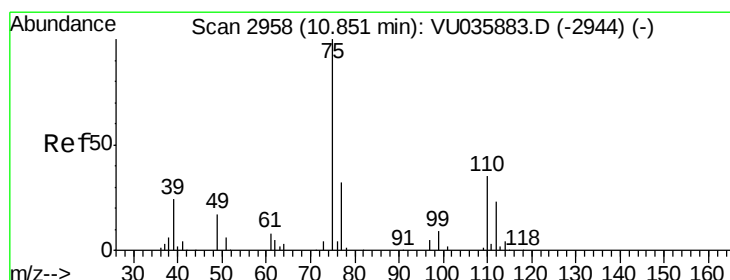
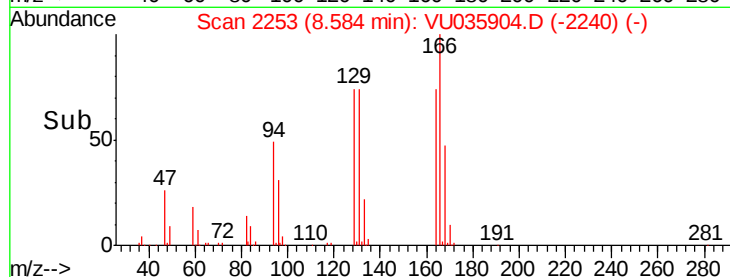
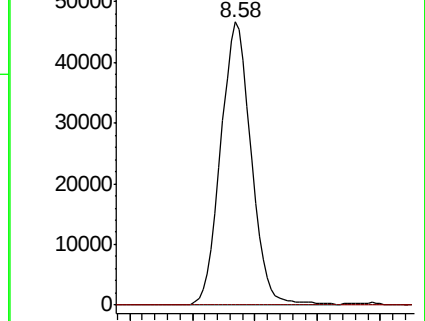
129 100

127 0.0 53.1 98.5#



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: 0.643 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU035904.D

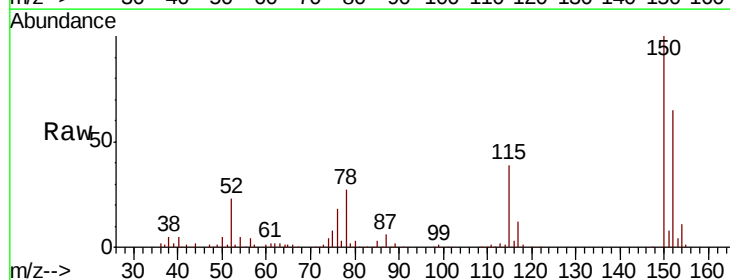
Acq: 27 Nov 2019 19:00

Tgt Ion: 75 Resp: 13408

Ion Ratio Lower Upper

75 100

77 33.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

