

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101819\
 Data File : VU035267.D
 Acq On : 18 Oct 2019 15:22
 Operator : JC/SP
 Sample : K5318-03DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 03:41:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 19 03:38:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	353296	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	344253	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	139490	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	103352	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.93	69	96423	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.59	63	141099	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.72	46	308535	49.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.68%
24) Chloroform-d	5.11	84	194897	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.75	65	111647	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.77	84	397321	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.74	67	128192	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.93	98	367058	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	8.22	79	56690	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.69	63	258211	48.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.54%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	109386	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	127088	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

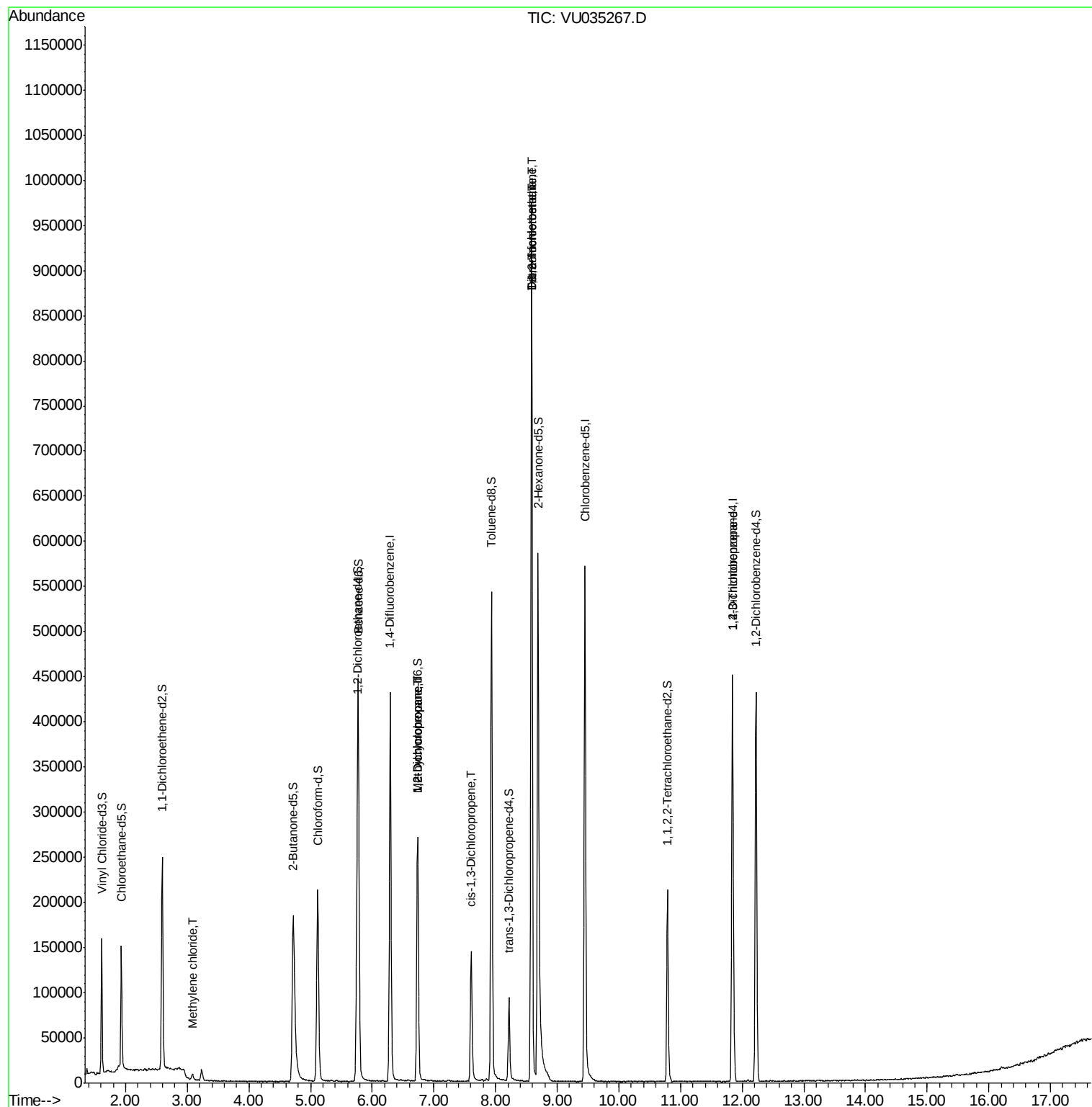
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.09	84	2922	0.107	ug/L	87
35) Methylcyclohexane	6.74	83	30732	0.675	ug/L #	19
37) 1,2-Dichloropropane	6.74	63	14669	0.571	ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	3982	0.093	ug/L #	31
45) 1,1,2-Trichloroethane	8.58	97	1988	0.104	ug/L #	1
47) Tetrachloroethene	8.58	164	222953	9.827	ug/L	99
49) Dibromochloromethane	8.58	129	196048	8.100	ug/L #	11
59) 1,2,3-Trichloropropane	11.84	75	16757	0.935	ug/L	99

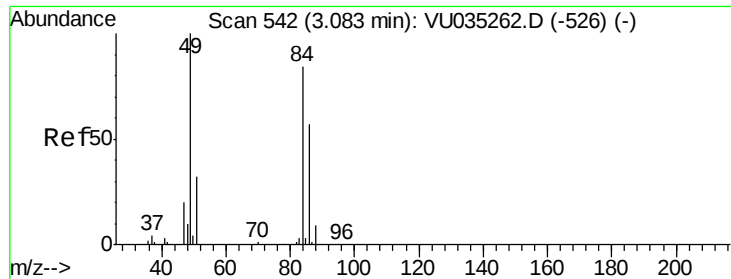
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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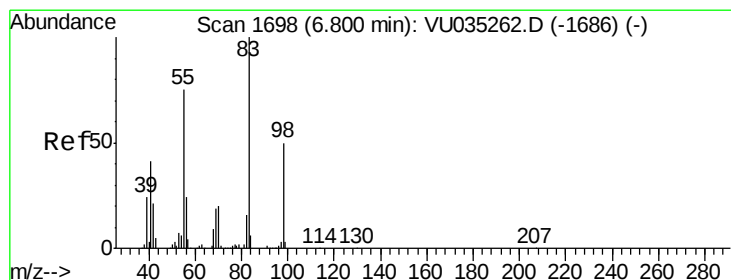
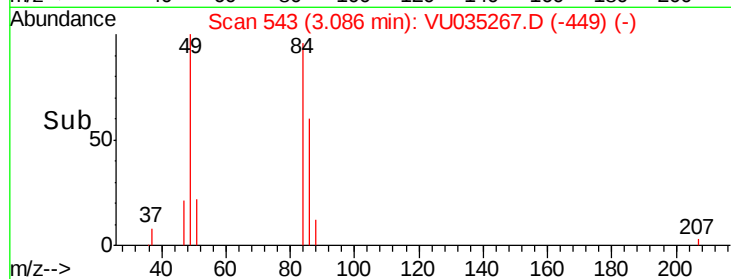
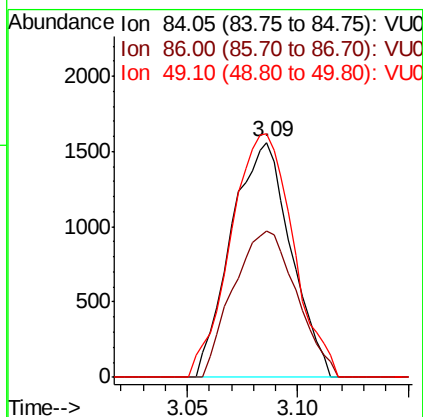
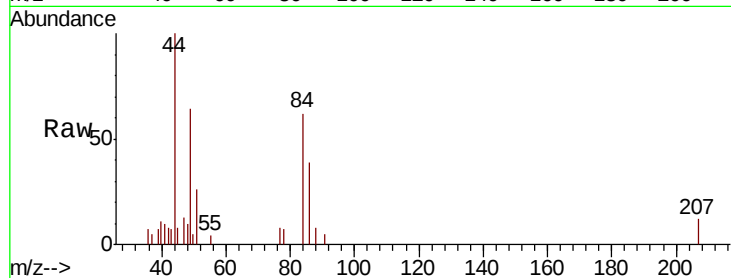




#16
Methvlene chloride
Concen: 0.107 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU035267.D
Acq: 18 Oct 2019 15:22

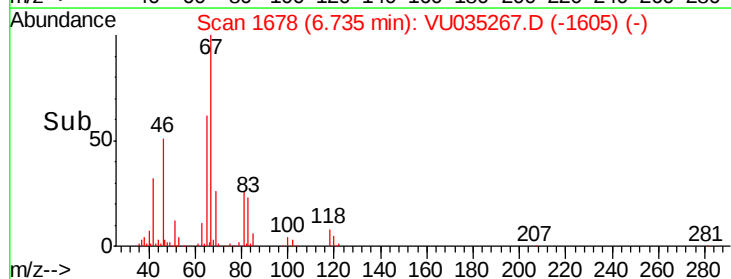
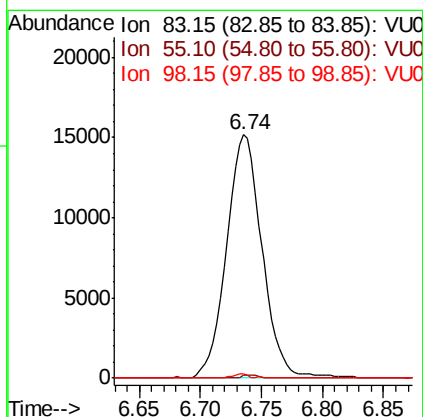
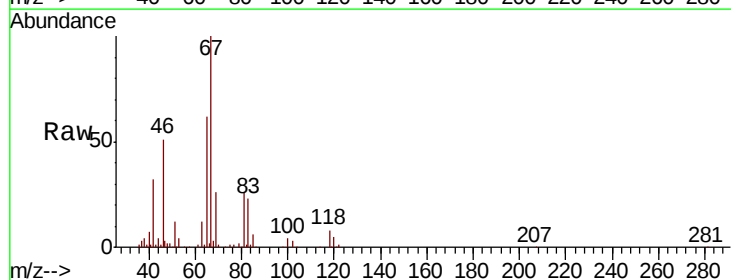
Instrument :
MSVOA_U
ClientSampleId :

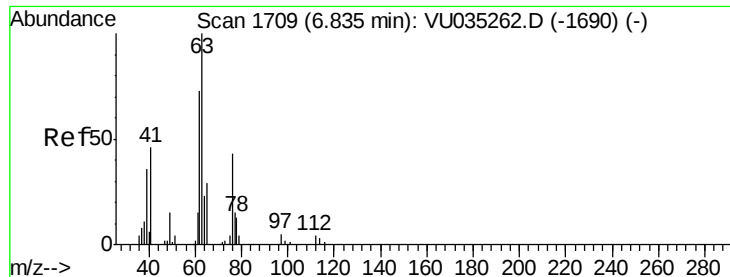
Tot Ion: 84 Resp: 2922
Ion Ratio Lower Upper
84 100
86 62.4 45.4 84.2
49 103.7 86.8 161.2



#35
Methylcyclohexane
Concen: 0.675 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035267.D
Acq: 18 Oct 2019 15:22

Tgt Ion: 83 Resp: 30732
Ion Ratio Lower Upper
83 100
55 0.1 60.4 90.6#
98 0.7 39.5 59.3#

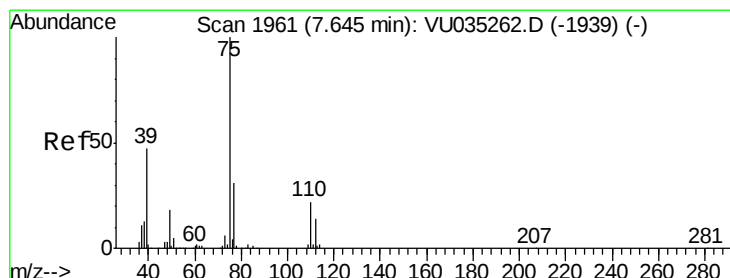
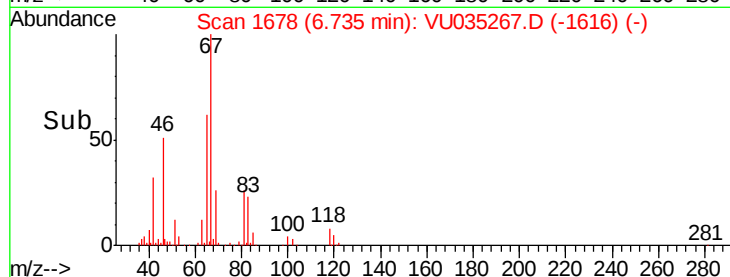
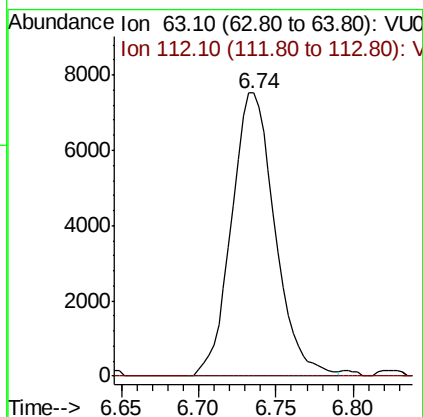
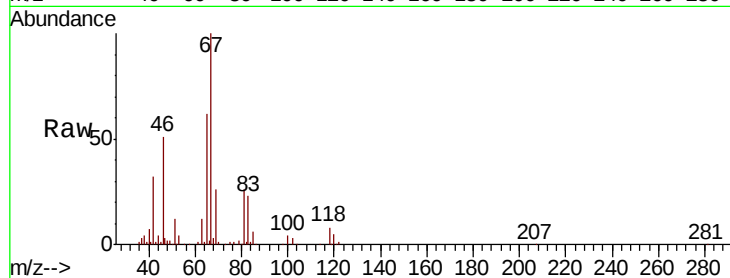




#37
 1,2-Dichloropropane
 Concen: 0.571 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035267.D
 Acq: 18 Oct 2019 15:22

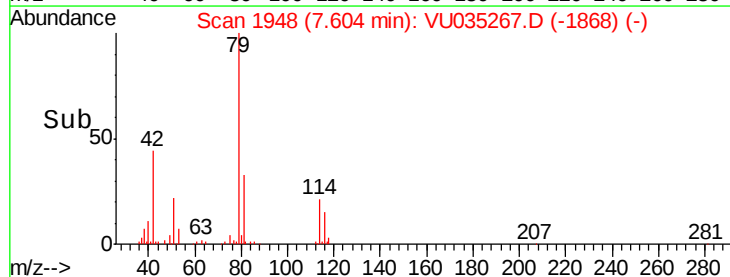
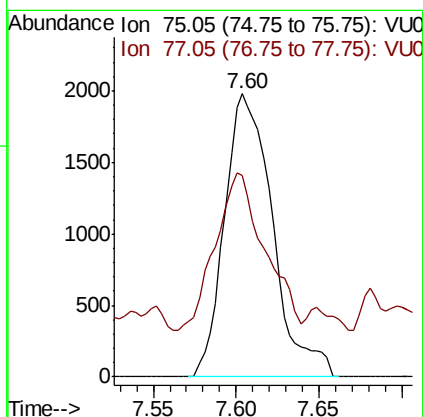
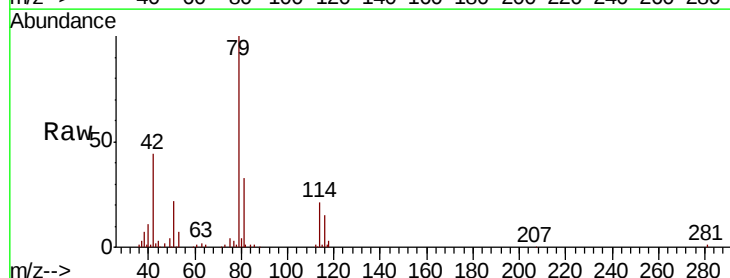
Instrument :
 MSVOA_U
 ClientSampleId :

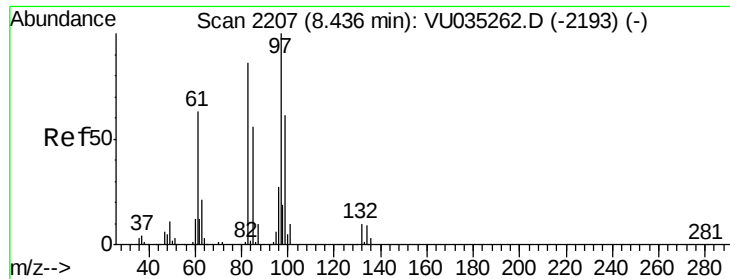
Tot Ion: 63 Resp: 14669
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.093 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035267.D
 Acq: 18 Oct 2019 15:22

Tgt Ion: 75 Resp: 3982
 Ion Ratio Lower Upper
 75 100
 77 71.2 22.7 42.1#





#45

1,1,2-Trichloroethane

Concen: 0.104 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.14 min

Lab File: VU035267.D

Acq: 18 Oct 2019 15:22

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 97 Resp: 1988

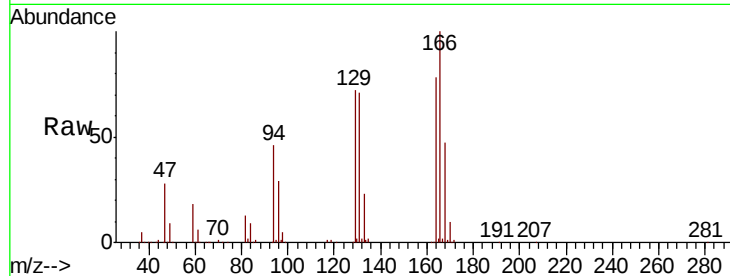
Ion Ratio Lower Upper

97 100

99 11.5 42.9 79.7#

83 262.5 60.4 112.2#

85 38.2 38.4 71.2#



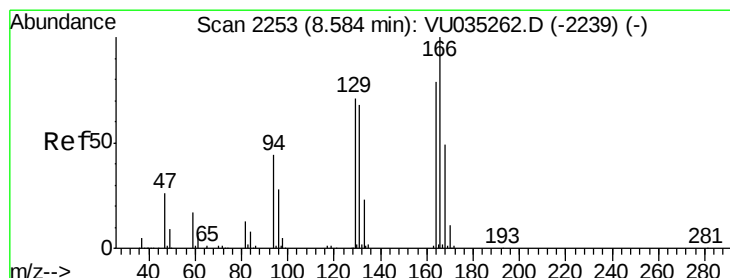
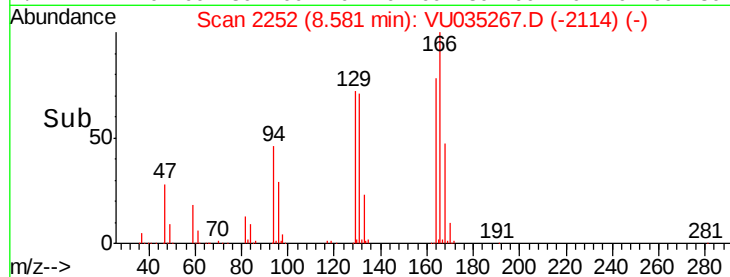
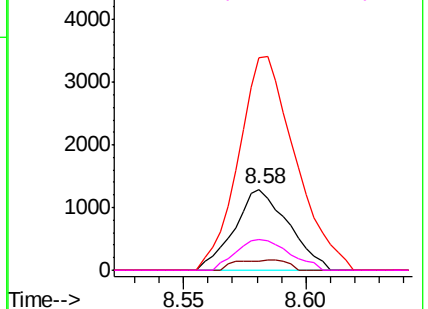
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 9.827 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035267.D

Acq: 18 Oct 2019 15:22

Tgt Ion: 164 Resp: 222953

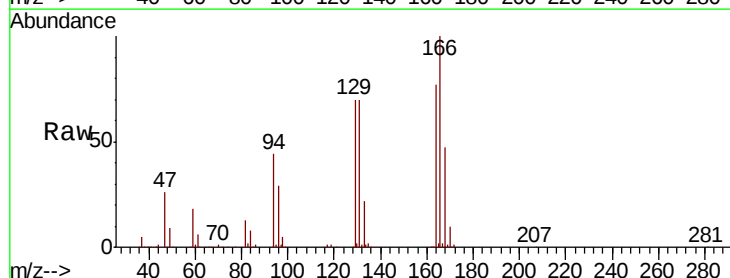
Ion Ratio Lower Upper

164 100

129 90.6 65.2 121.0

131 90.3 62.9 116.9

166 129.3 91.5 169.9



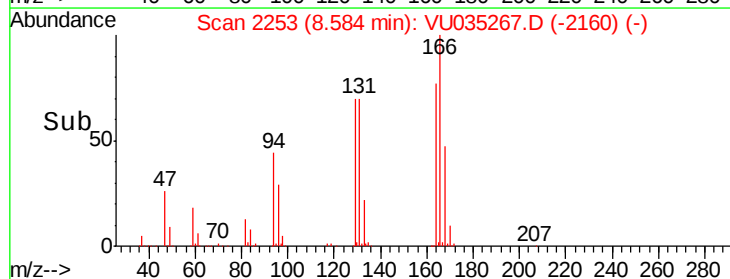
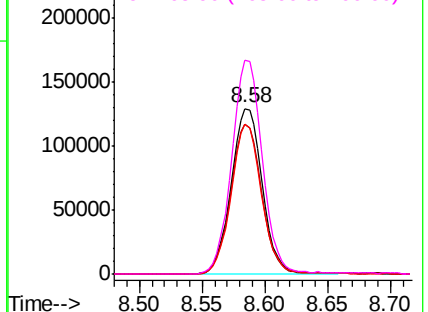
Abundance

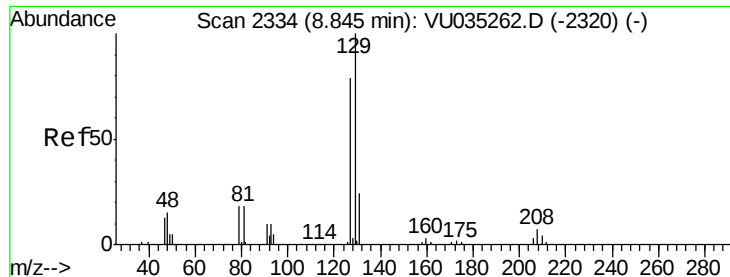
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#49

Dibromochloromethane

Concen: 8.100 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035267.D

Acq: 18 Oct 2019 15:22

Instrument :

MSVOA_U

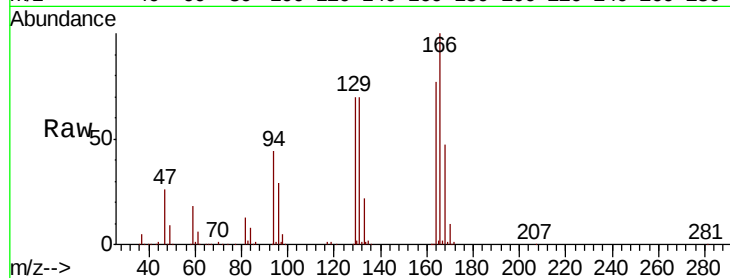
ClientSampleId :

Tot Ion:129 Resp: 196048

Ion Ratio Lower Upper

129 100

127 0.0 53.8 99.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

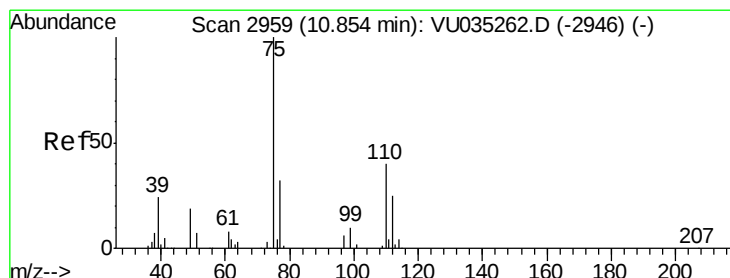
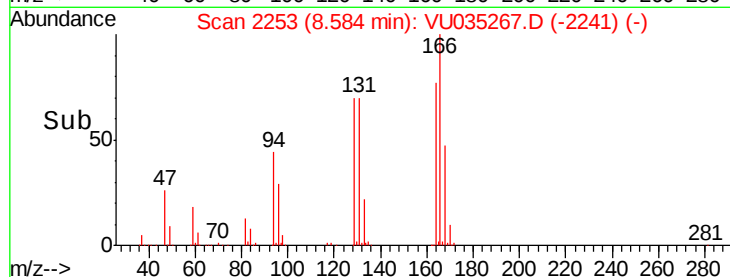
8.58

100000

50000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.935 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035267.D

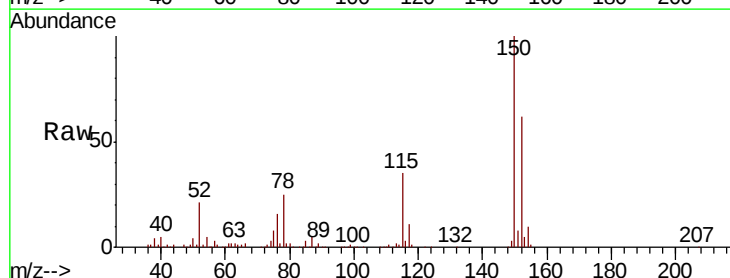
Acq: 18 Oct 2019 15:22

Tgt Ion: 75 Resp: 16757

Ion Ratio Lower Upper

75 100

77 33.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.84

10000

8000

6000

4000

2000

0

Time-->

