

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036075.D
 Acq On : 10 Dec 2019 11:21
 Operator : JC/MD
 Sample : K6168-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 06:30:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 11 06:27:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	193092	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	186322	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	37892	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	107648	6.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.20%
7) Chloroethane-d5	1.93	69	112997	6.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	125.00%
11) 1,1-Dichloroethene-d2	2.59	63	108882	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.69	46	207558	70.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	141.54%#
24) Chloroform-d	5.11	84	176498	6.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	126.20%#
26) 1,2-Dichloroethane-d4	5.75	65	102930	7.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	142.40%#
32) Benzene-d6	5.77	84	324595	6.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	137.60%#
36) 1,2-Dichloropropane-d6	6.73	67	114858	8.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	161.60%#
41) Toluene-d8	7.93	98	215528	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	8.22	79	30278	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	8.70	63	131620	61.36	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.72%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	90613	6.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	138.60%#
64) 1,2-Dichlorobenzene-d4	12.22	152	47771	6.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	131.00%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.54	50	1705	0.092	ug/L	86
12) 1,1-Dichloroethene	2.61	96	11118	0.662	ug/L #	1
13) Acetone	2.67	43	8648	2.323	ug/L	100
16) Methylene chloride	3.08	84	3575	0.183	ug/L	98
19) 1,1-Dichloroethane	3.93	63	14245	0.554	ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	2256	0.150	ug/L	79
25) Chloroform	5.14	83	31595	1.102	ug/L	100
29) 1,1,1-Trichloroethane	5.37	97	2823	0.134	ug/L	95
34) Trichloroethene	6.58	95	16766	1.240	ug/L	91
35) Methylcyclohexane	6.73	83	26471	1.459	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	12137	0.950	ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	1746	0.101	ug/L #	1
47) Tetrachloroethene	8.58	164	5964	0.464	ug/L	97
48) 2-Hexanone	8.70	43	16089	3.361	ug/L #	51
49) Dibromochloromethane	8.59	129	5770	0.432	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	3866	0.423	ug/L	89

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Quant Time: Dec 11 06:30:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 11 06:27:41 2019
Response via : Initial Calibration

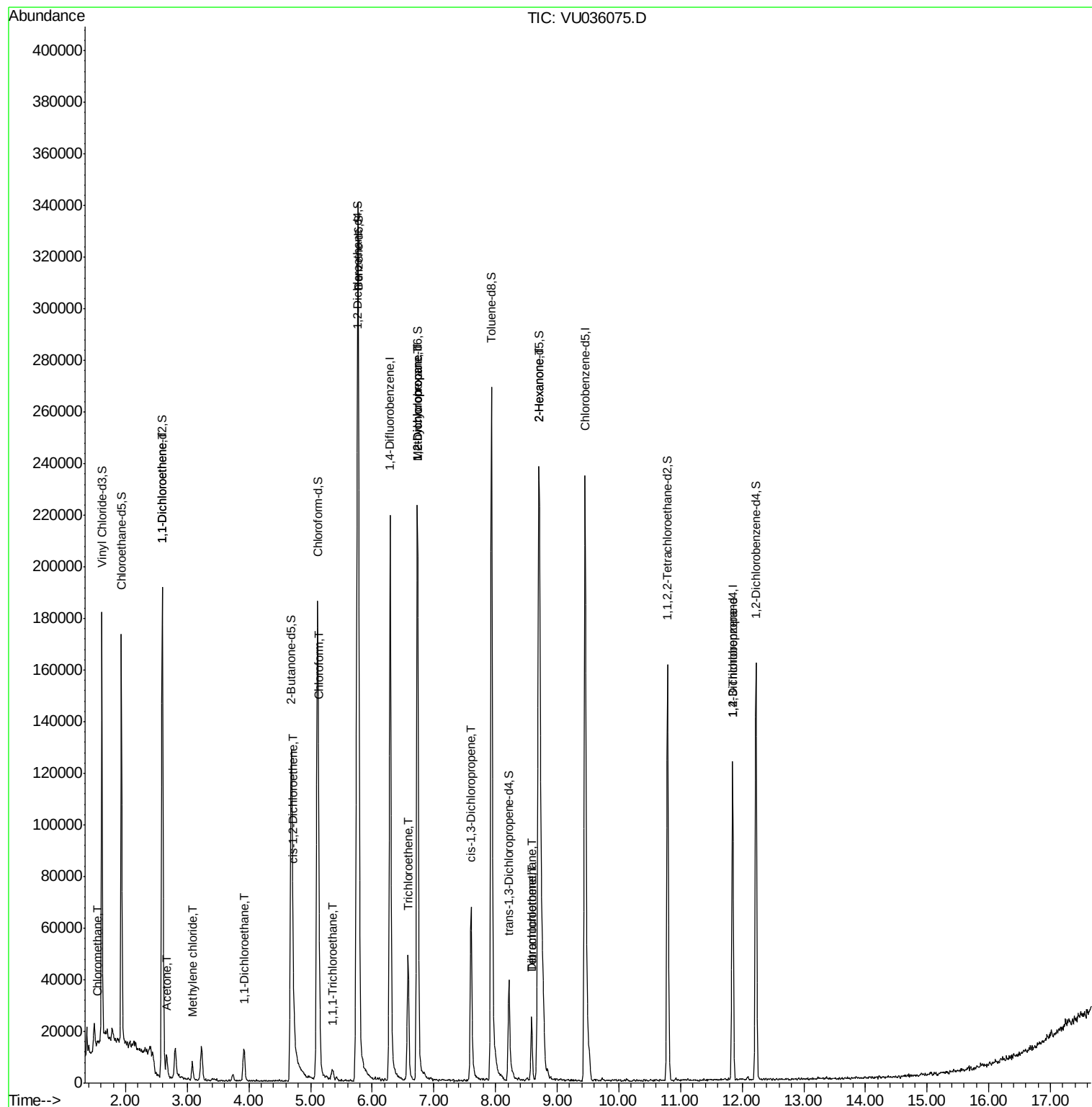
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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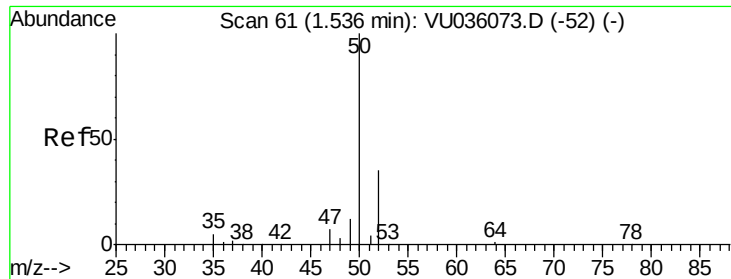
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.092 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036075.D

Acq: 10 Dec 2019 11:21

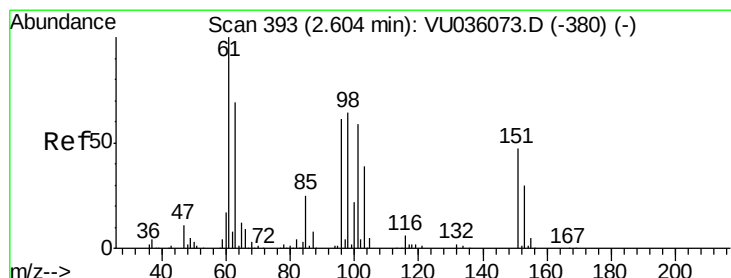
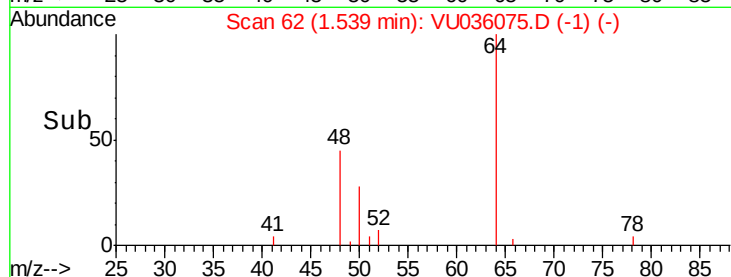
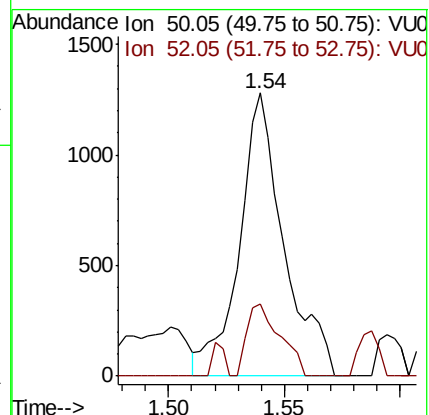
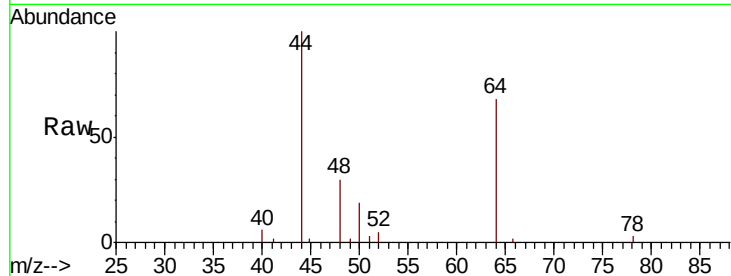
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 1705

Ion Ratio Lower Upper

50 100

52 25.6 23.6 43.8



#12

1,1-Dichloroethene

Concen: 0.662 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036075.D

Acq: 10 Dec 2019 11:21

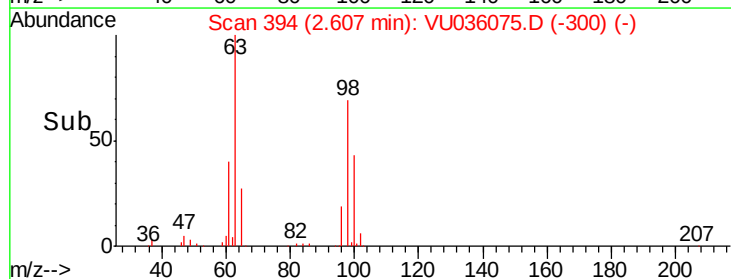
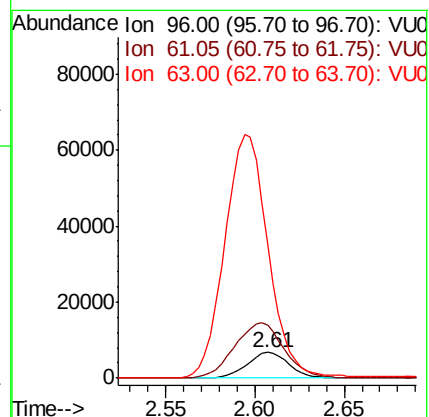
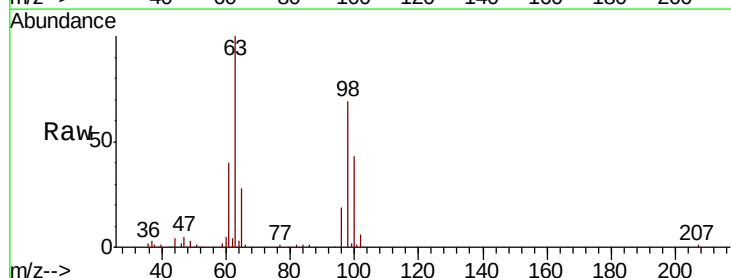
Tgt Ion: 96 Resp: 11118

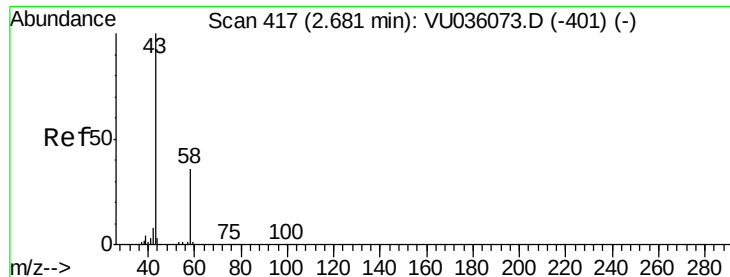
Ion Ratio Lower Upper

96 100

61 206.1 104.3 193.7#

63 516.2 65.6 121.8#

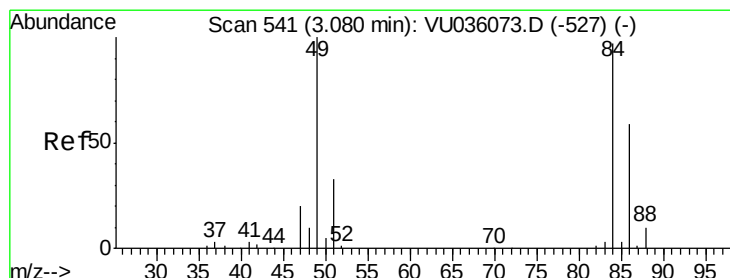
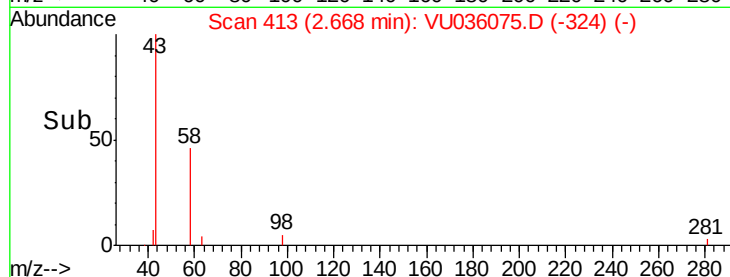
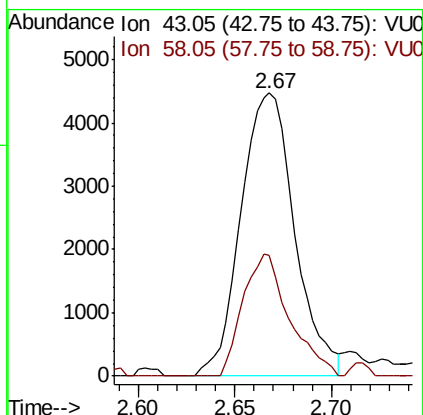
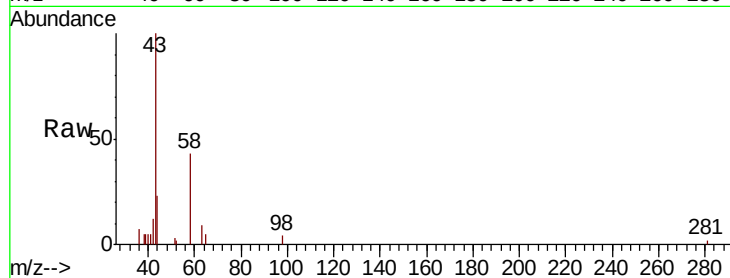




#13
Acetone
Concen: 2.323 ug/L
RT: 2.67 min Scan# 413
Delta R.T. -0.01 min
Lab File: VU036075.D
Acq: 10 Dec 2019 11:21

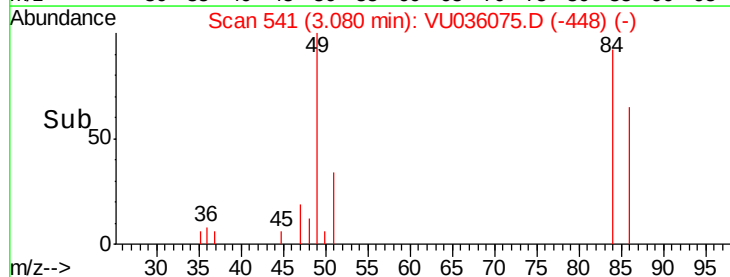
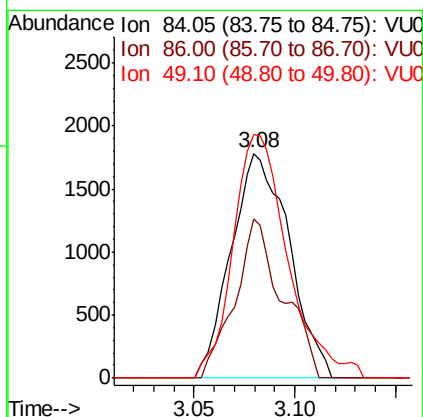
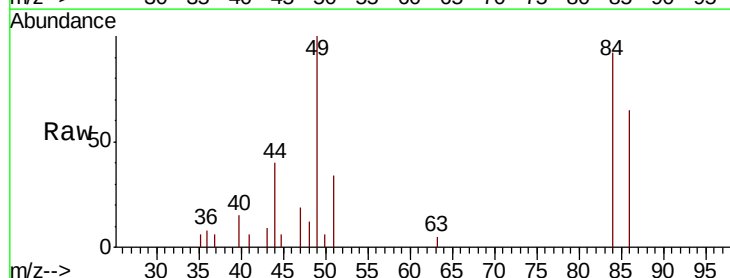
Instrument :
MSVOA_U
ClientSampleId :

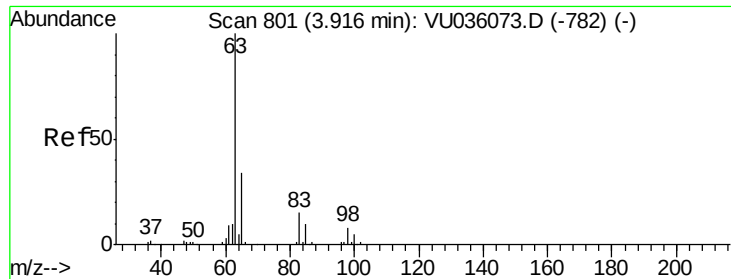
Tot Ion: 43 Resp: 8648
Ion Ratio Lower Upper
43 100
58 37.3 0.0 74.2



#16
Methylene chloride
Concen: 0.183 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036075.D
Acq: 10 Dec 2019 11:21

Tgt Ion: 84 Resp: 3575
Ion Ratio Lower Upper
84 100
86 70.6 47.5 88.3
49 108.4 76.9 142.9

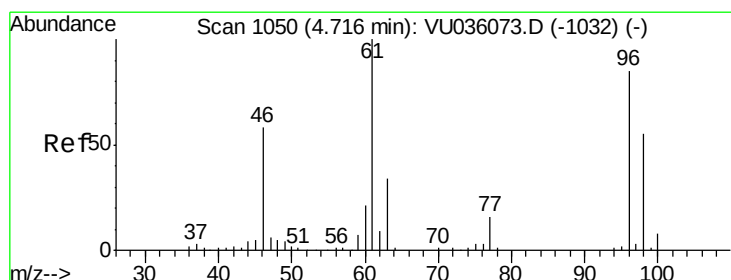
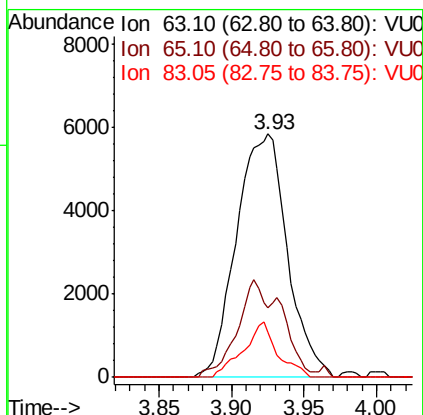
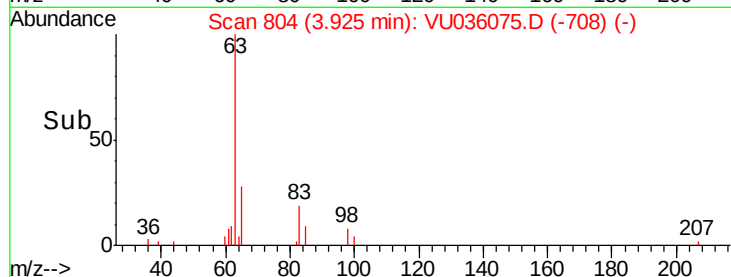
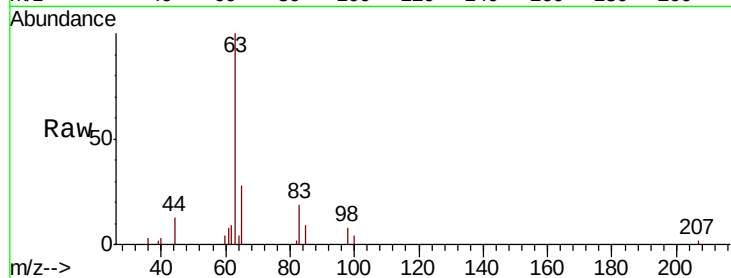




#19
 1,1-Dichloroethane
 Concen: 0.554 ug/L
 RT: 3.93 min Scan# 804
 Delta R.T. 0.01 min
 Lab File: VU036075.D
 Acq: 10 Dec 2019 11:21

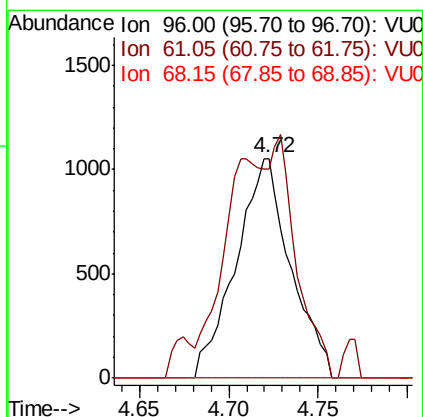
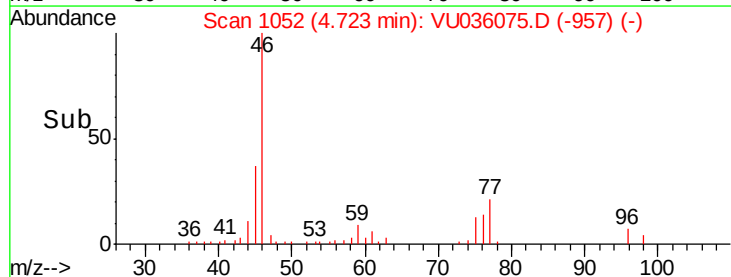
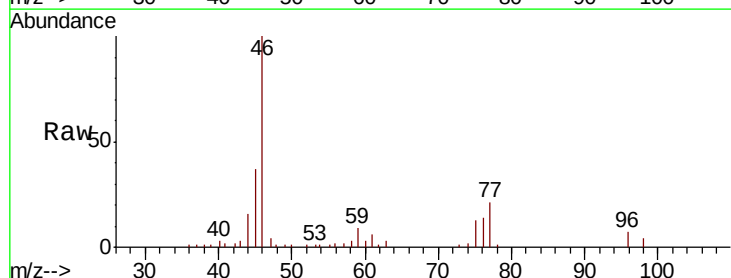
Instrument :
 MSVOA_U
 ClientSampleId :

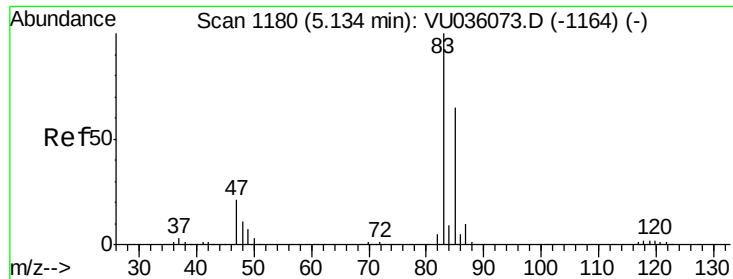
Tot Ion: 63 Resp: 14245
 Ion Ratio Lower Upper
 63 100
 65 28.5 21.8 40.4
 83 18.8 10.1 18.9



#22
 cis-1,2-Dichloroethene
 Concen: 0.150 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VU036075.D
 Acq: 10 Dec 2019 11:21

Tgt Ion: 96 Resp: 2256
 Ion Ratio Lower Upper
 96 100
 61 95.4 83.0 154.2
 68 0.0 0.0 0.0

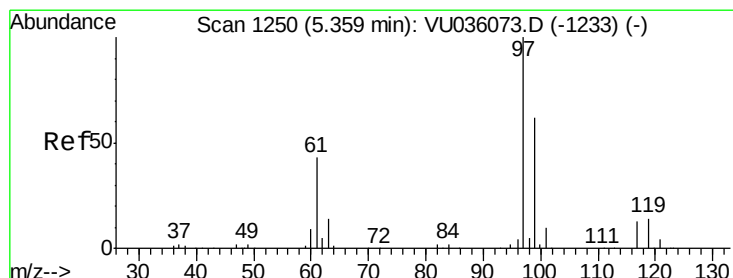
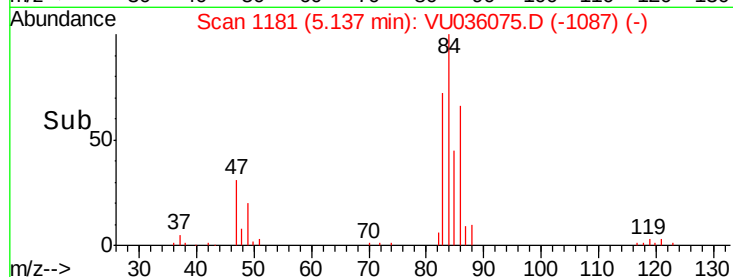
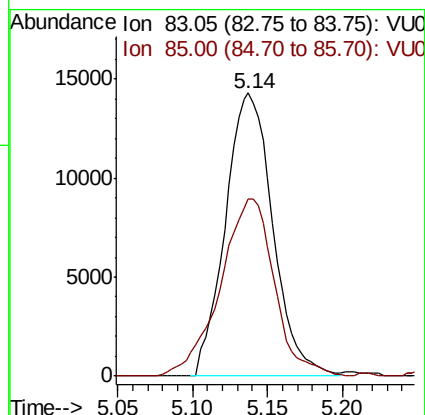
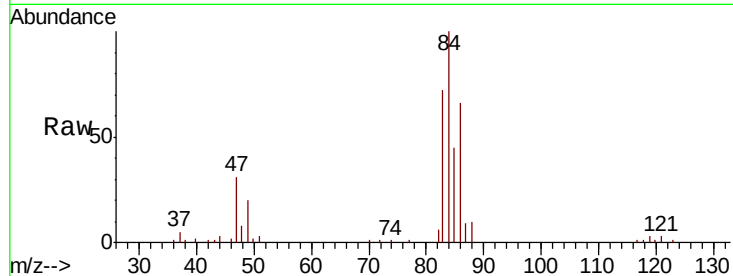




#25
Chloroform
Concen: 1.102 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036075.D
Acq: 10 Dec 2019 11:21

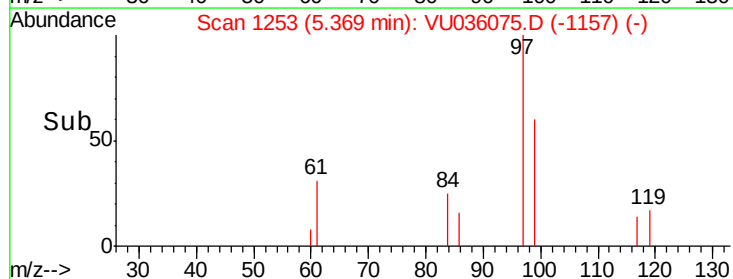
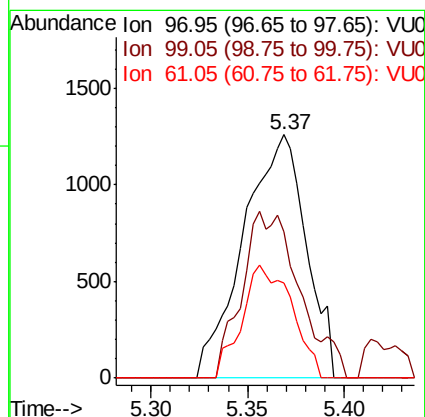
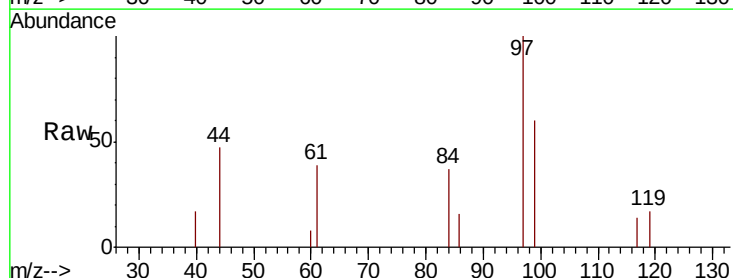
Instrument :
MSVOA_U
ClientSampleId :

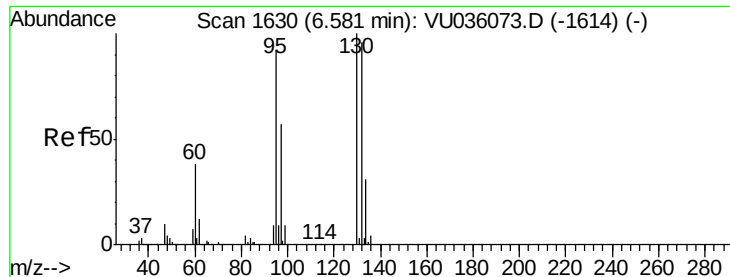
Tot Ion: 83 Resp: 31595
Ion Ratio Lower Upper
83 100
85 62.6 43.9 81.5



#29
1,1,1-Trichloroethane
Concen: 0.134 ug/L
RT: 5.37 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VU036075.D
Acq: 10 Dec 2019 11:21

Tgt Ion: 97 Resp: 2823
Ion Ratio Lower Upper
97 100
99 63.2 52.2 78.2
61 37.2 34.7 52.1





#34

Trichloroethene

Concen: 1.240 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU036075.D

Acq: 10 Dec 2019 11:21

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 16766

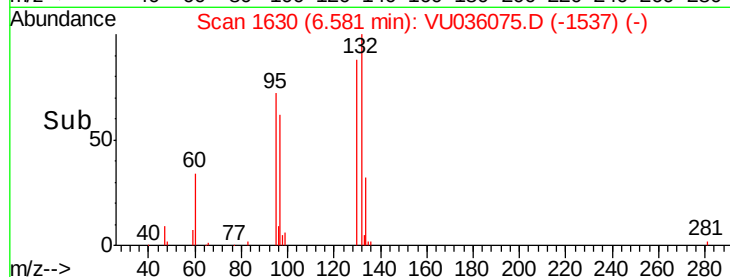
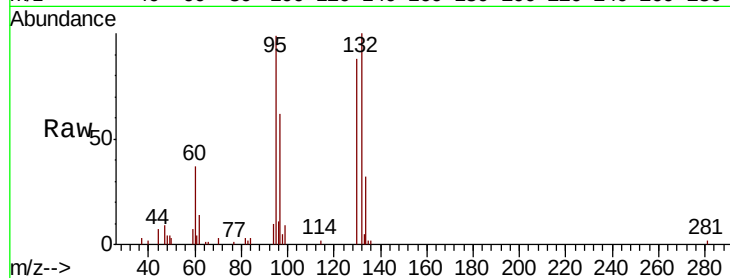
Ion Ratio Lower Upper

95 100

97 62.4 44.4 82.4

132 101.3 73.4 136.4

130 89.4 75.9 141.1

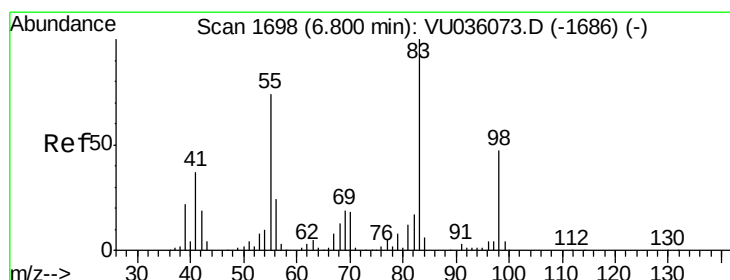
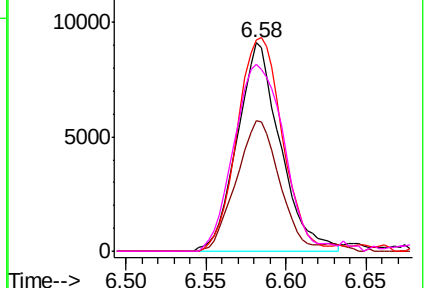


Abundance Ion 95.00 (94.70 to 95.70): VU036075.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU036075.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU036075.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU036075.D (-1537) (-)



#35

Methylcyclohexane

Concen: 1.459 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036075.D

Acq: 10 Dec 2019 11:21

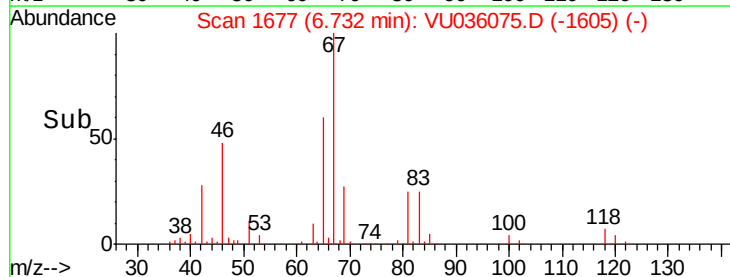
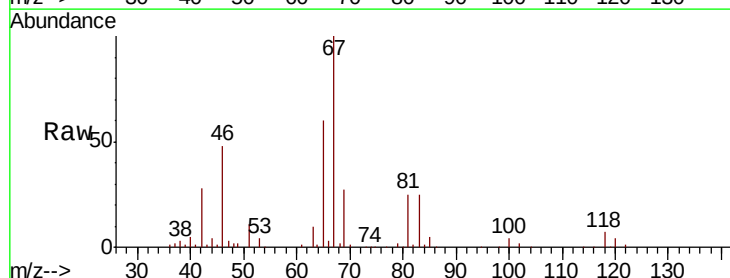
Tgt Ion: 83 Resp: 26471

Ion Ratio Lower Upper

83 100

55 0.2 62.1 93.1#

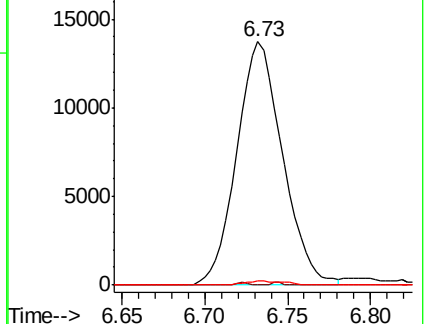
98 1.0 37.0 55.4#

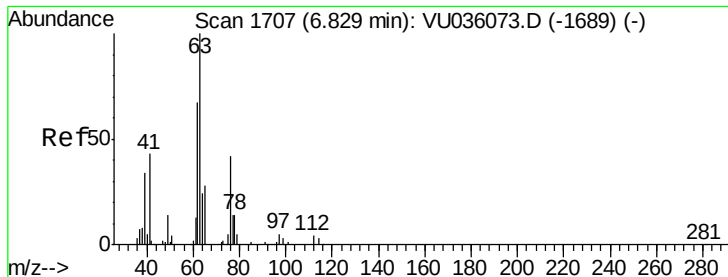


Abundance Ion 83.15 (82.85 to 83.85): VU036075.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU036075.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU036075.D (-1605) (-)





#37

1,2-Dichloropropane

Concen: 0.950 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.10 min

Lab File: VU036075.D

Acq: 10 Dec 2019 11:21

Instrument :

MSVOA_U

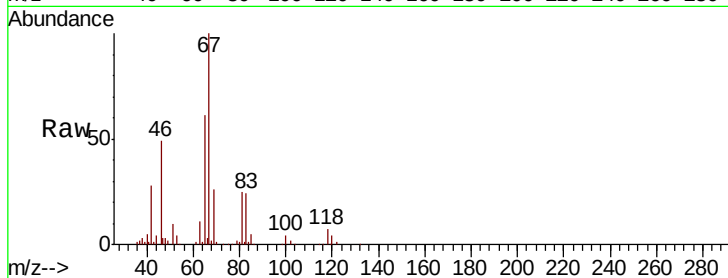
ClientSampleId :

Tot Ion: 63 Resp: 12137

Ion Ratio Lower Upper

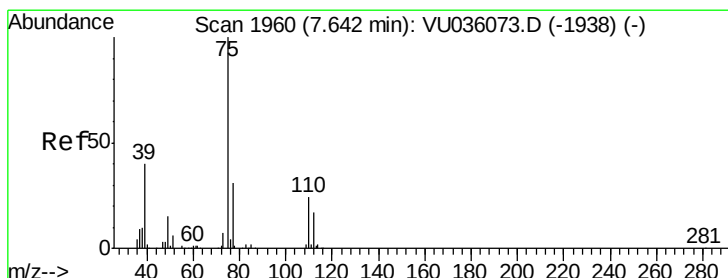
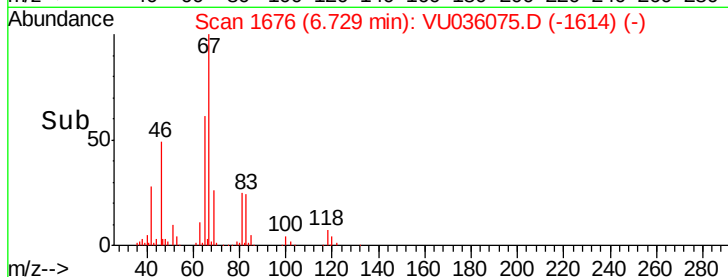
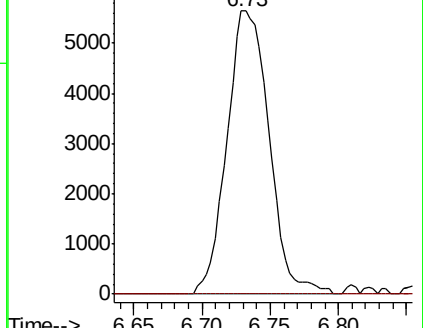
63 100

112 0.3 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU036073.D (-1689) (-)

Ion 112.10 (111.80 to 112.80): VU036073.D (-1689) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU036075.D

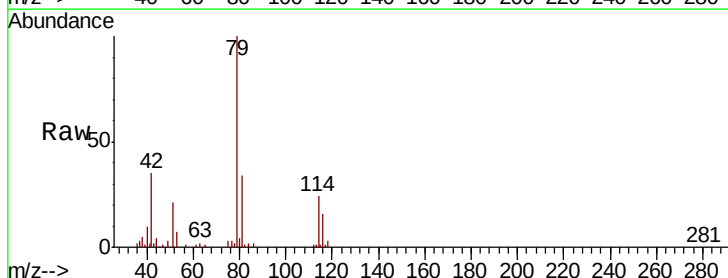
Acq: 10 Dec 2019 11:21

Tgt Ion: 75 Resp: 1746

Ion Ratio Lower Upper

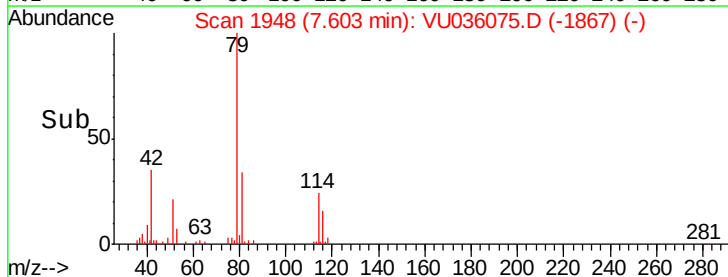
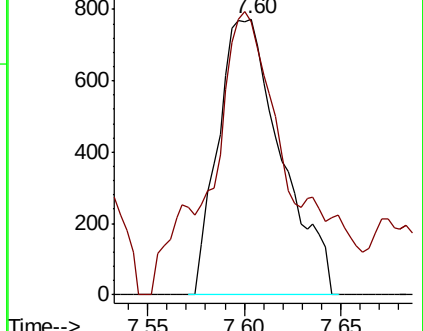
75 100

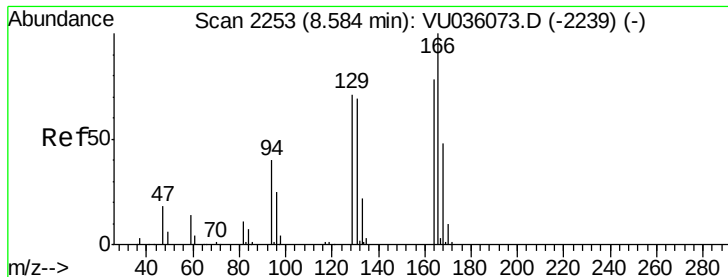
77 98.8 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU036073.D (-1938) (-)

Ion 77.05 (76.75 to 77.75): VU036073.D (-1938) (-)

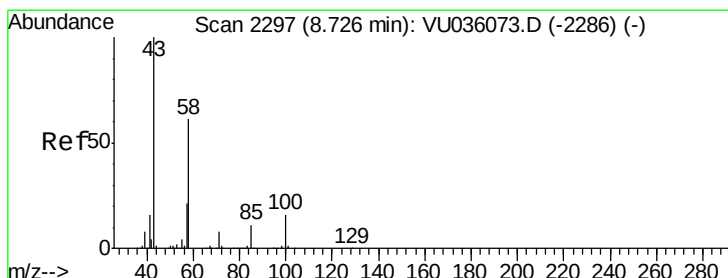
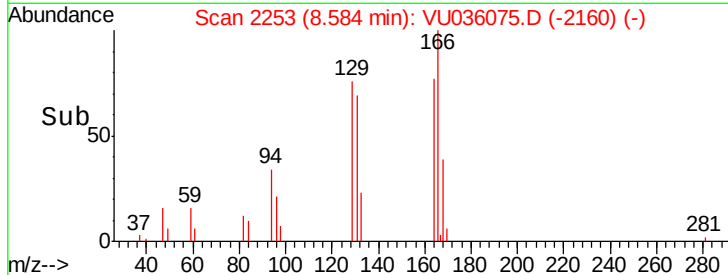
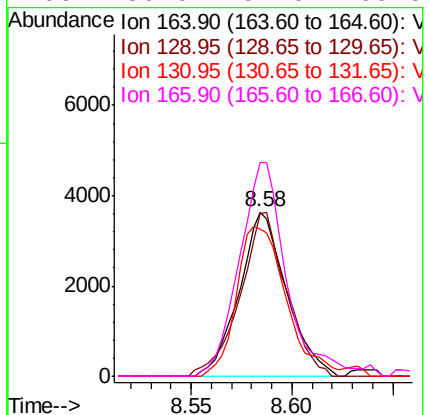
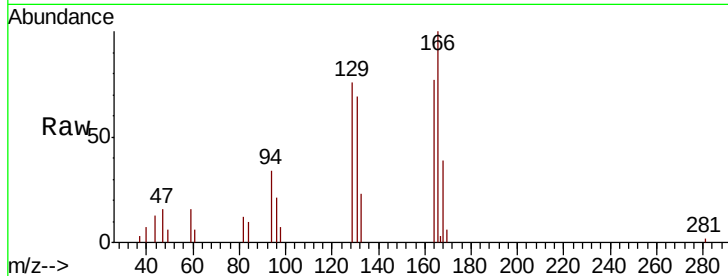




#47
Tetrachloroethene
Concen: 0.464 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU036075.D
Acq: 10 Dec 2019 11:21

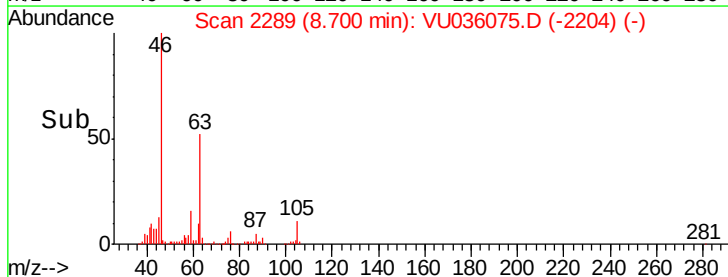
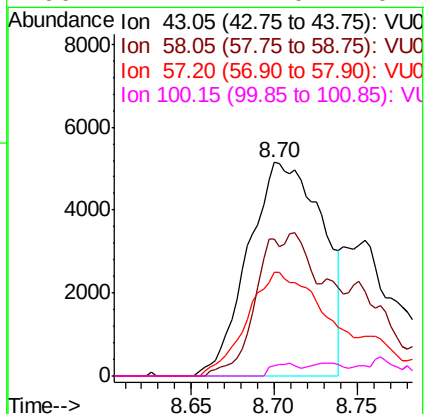
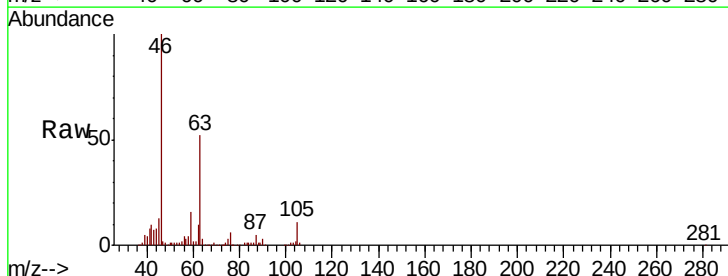
Instrument :
MSVOA_U
ClientSampleId :

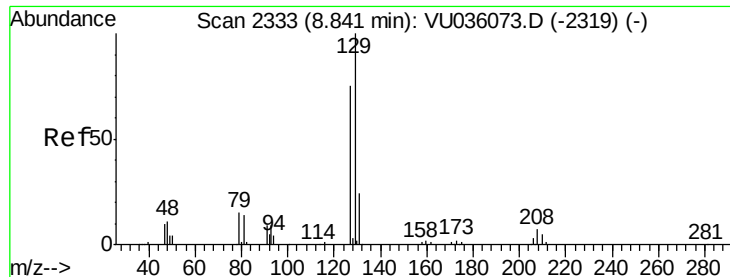
Tot Ion:	164	Resp:	5964
Ion	Ratio	Lower	Upper
164	100		
129	99.2	63.1	117.3
131	89.5	61.5	114.1
166	130.0	91.0	169.0



#48
2-Hexanone
Concen: 3.361 ug/L
RT: 8.70 min Scan# 2289
Delta R.T. -0.03 min
Lab File: VU036075.D
Acq: 10 Dec 2019 11:21

Tgt Ion:	43	Resp:	16089
Ion	Ratio	Lower	Upper
43	100		
58	23.2	46.9	70.3#
57	51.6	16.4	24.6#
100	2.1	11.0	16.4#





#49

Dibromochloromethane

Concen: 0.432 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. -0.25 min

Lab File: VU036075.D

Acq: 10 Dec 2019 11:21

Instrument :

MSVOA_U

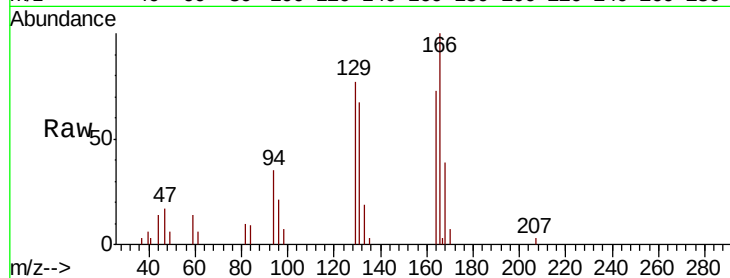
ClientSampleId :

Tot Ion:129 Resp: 5770

Ion Ratio Lower Upper

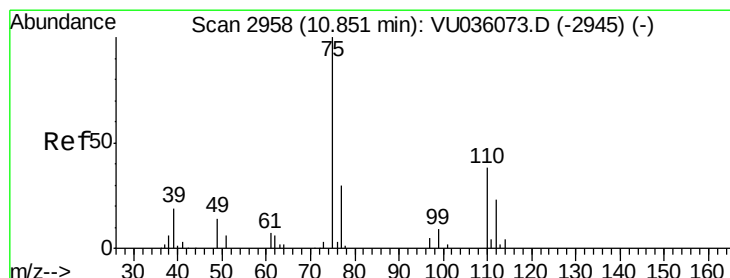
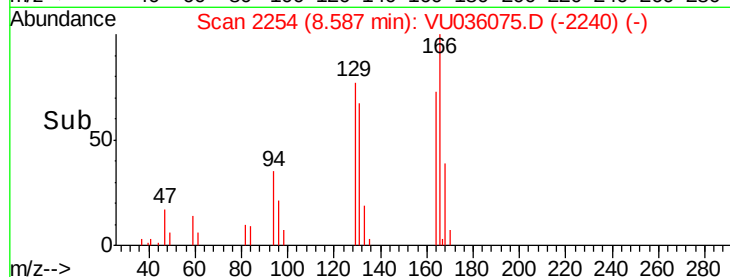
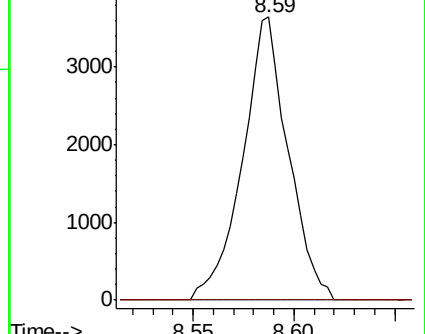
129 100

127 0.0 52.5 97.5#



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: 0.423 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU036075.D

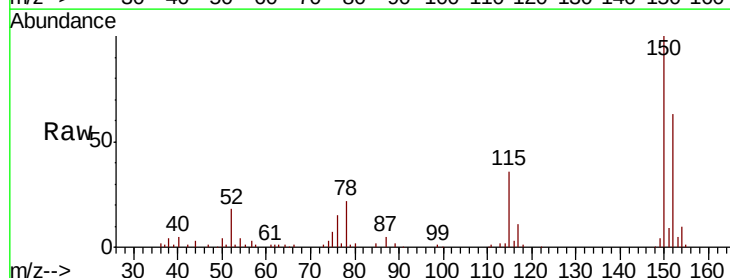
Acq: 10 Dec 2019 11:21

Tgt Ion: 75 Resp: 3866

Ion Ratio Lower Upper

75 100

77 39.8 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

