

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121319\
 Data File : VU036199.D
 Acq On : 13 Dec 2019 16:27
 Operator : JC/MD
 Sample : K6273-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDQ0

Quant Time: Dec 14 01:21:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 14 01:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.30	114	279019	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	288641	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	116192	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	125455	5.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.20%
7) Chloroethane-d5	1.93	69	105549	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.59	63	165339	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.20%
20) 2-Butanone-d5	4.75	46	211427	45.93	ug/L	0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.86%
24) Chloroform-d	5.12	84	179153	4.53	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.76	65	93265	4.50	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	5.78	84	342722	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.74	67	112495	4.92	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.93	98	290002	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	8.22	79	42901	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.68	63	170913	47.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.04%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	91832	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	112110	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

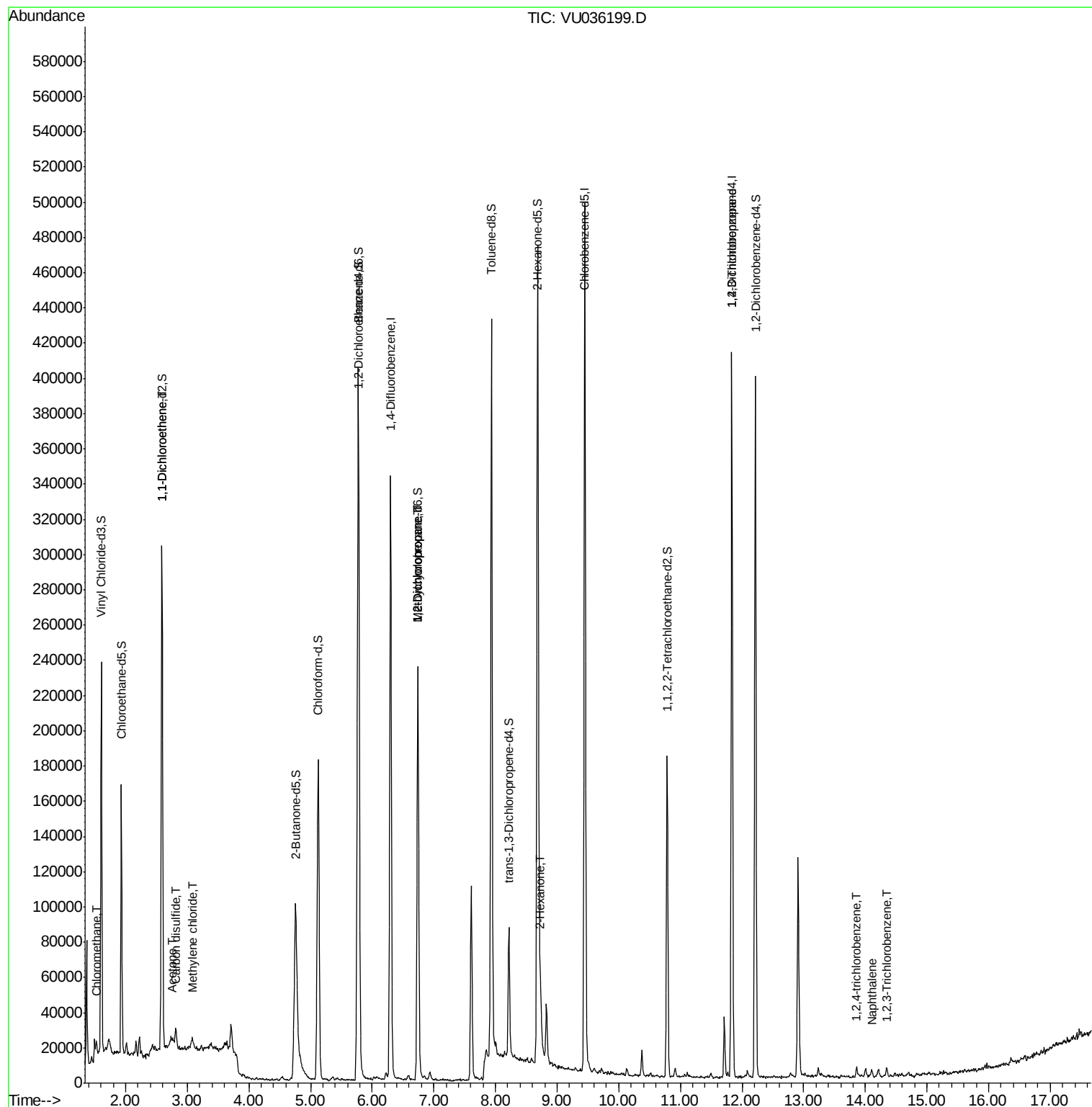
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	4007	0.103	ug/L	85
12) 1,1-Dichloroethene	2.59	96	1351	0.065	ug/L #	1
13) Acetone	2.75	43	15498	3.863	ug/L	85
14) Carbon disulfide	2.82	76	13502	0.194	ug/L #	83
16) Methylene chloride	3.08	84	2663	0.088	ug/L #	72
35) Methylcyclohexane	6.74	83	25523	0.785	ug/L #	19
37) 1,2-Dichloropropane	6.74	63	11820	0.522	ug/L #	86
48) 2-Hexanone	8.74	43	13886	1.572	ug/L #	91
59) 1,2,3-Trichloropropane	11.83	75	12830	0.853	ug/L	90
68) 1,2,4-trichlorobenzene	13.85	180	1867	0.097	ug/L	90
69) Naphthalene	14.10	128	3835	0.156	ug/L #	88
70) 1,2,3-Trichlorobenzene	14.35	180	2265	0.121	ug/L #	83

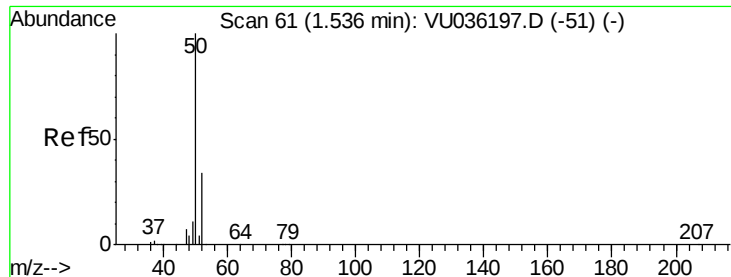
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.103 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.01 min

Lab File: VU036199.D

Acq: 13 Dec 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

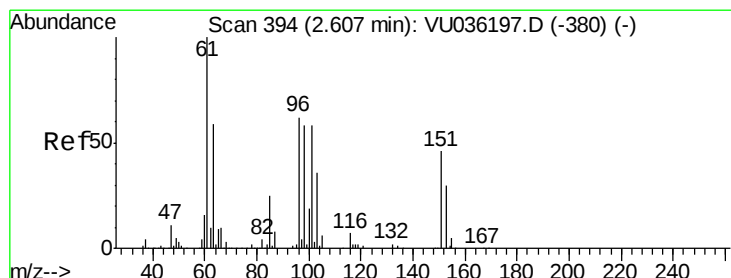
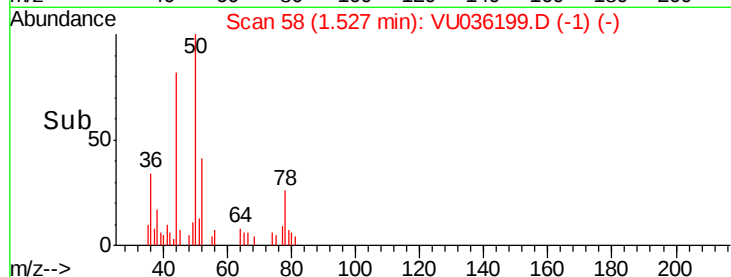
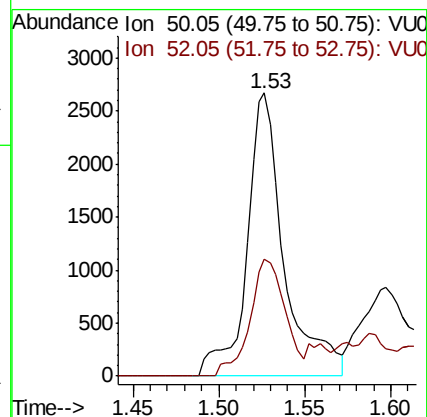
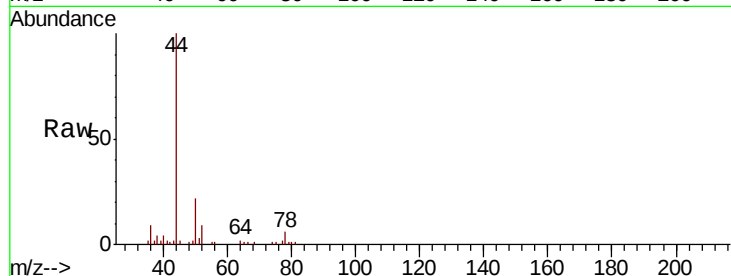
BFDQ0

Tot Ion: 50 Resp: 4007

Ion Ratio Lower Upper

50 100

52 41.2 23.1 42.9



#12

1,1-Dichloroethene

Concen: 0.065 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU036199.D

Acq: 13 Dec 2019 16:27

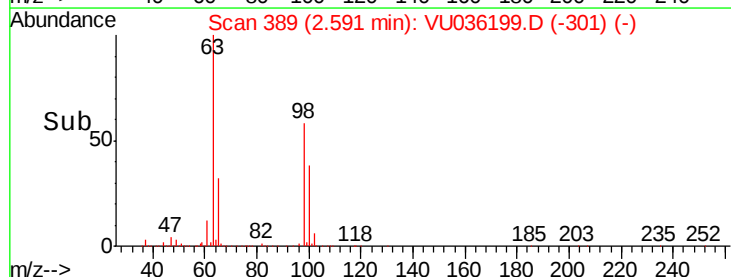
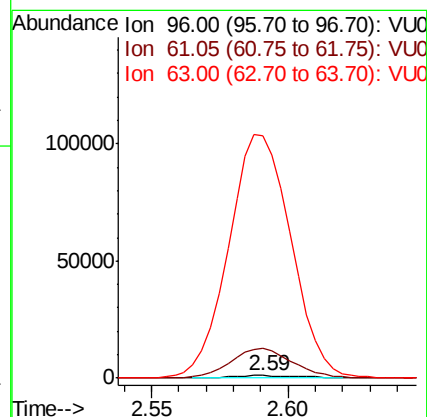
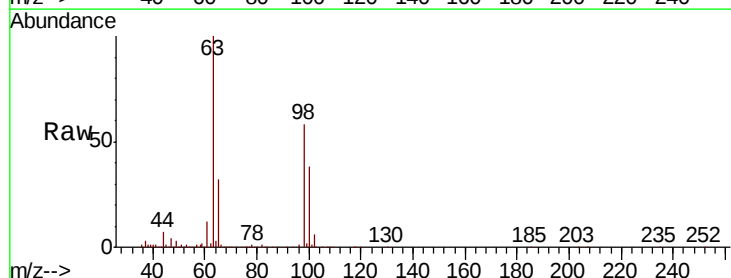
Tgt Ion: 96 Resp: 1351

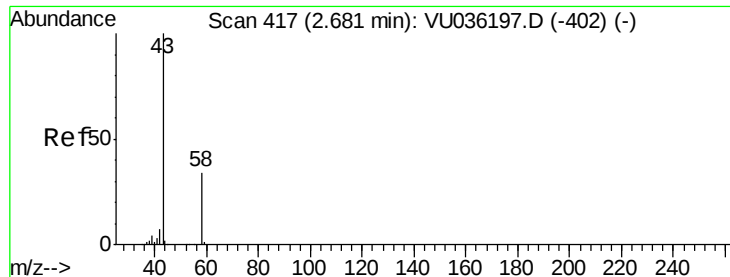
Ion Ratio Lower Upper

96 100

61 1090.3 114.0 211.8#

63 9023.0 63.6 118.0#





#13

Acetone

Concen: 3.863 ug/L

RT: 2.75 min Scan# 439

Delta R.T. 0.07 min

Lab File: VU036199.D

Acq: 13 Dec 2019 16:27

Instrument :

MSVOA_U

ClientSampled :

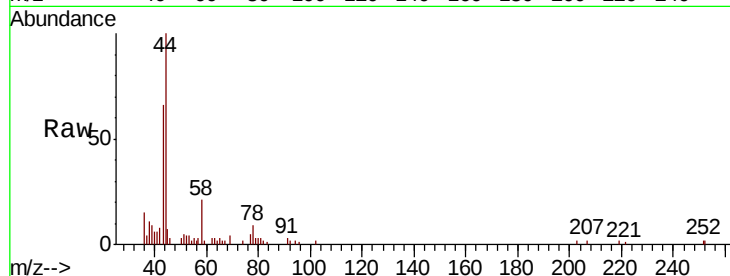
BFDQ0

Tot Ion: 43 Resp: 15498

Ion Ratio Lower Upper

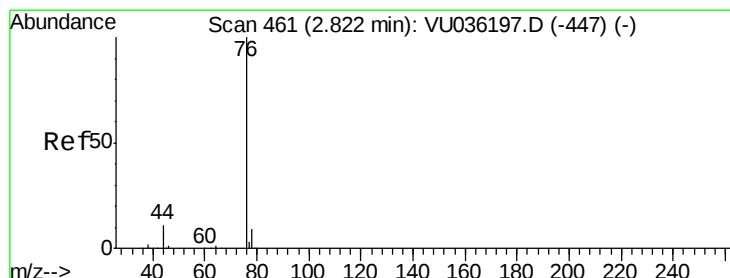
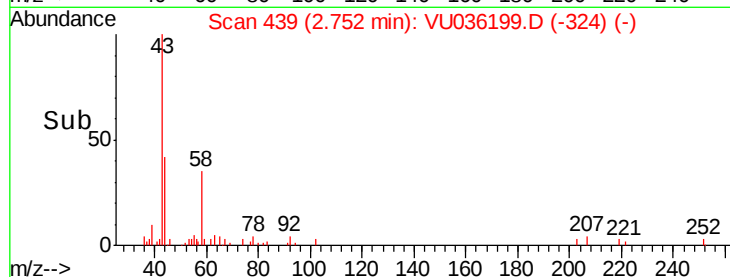
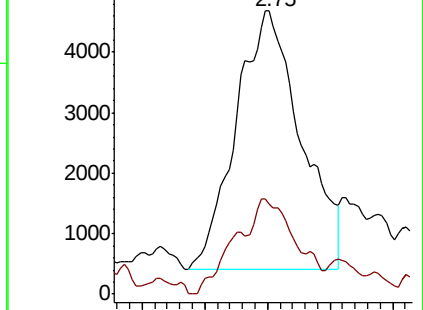
43 100

58 25.4 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036199.D (-439) (-)

Ion 58.05 (57.75 to 58.75): VU036199.D (-439) (-)



#14

Carbon disulfide

Concen: 0.194 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.01 min

Lab File: VU036199.D

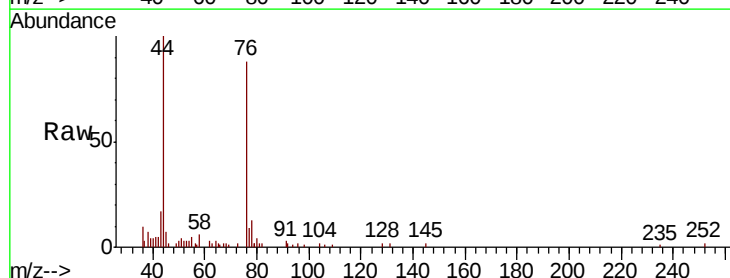
Acq: 13 Dec 2019 16:27

Tgt Ion: 76 Resp: 13502

Ion Ratio Lower Upper

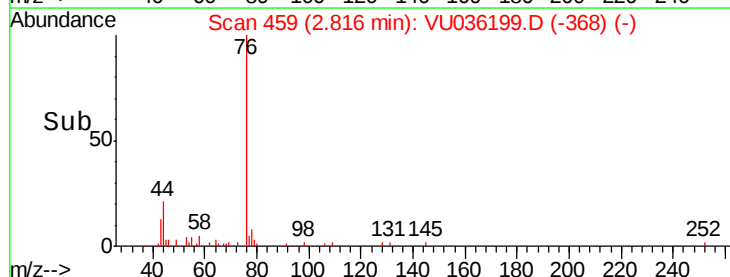
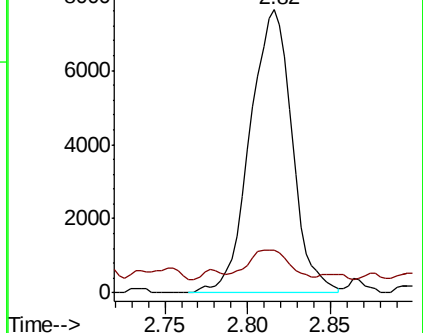
76 100

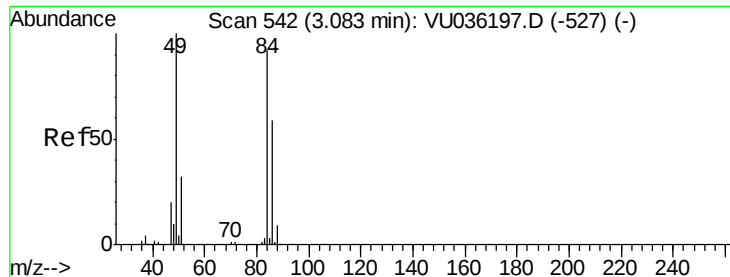
78 15.1 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VU036199.D (-459) (-)

Ion 78.00 (77.70 to 78.70): VU036199.D (-459) (-)

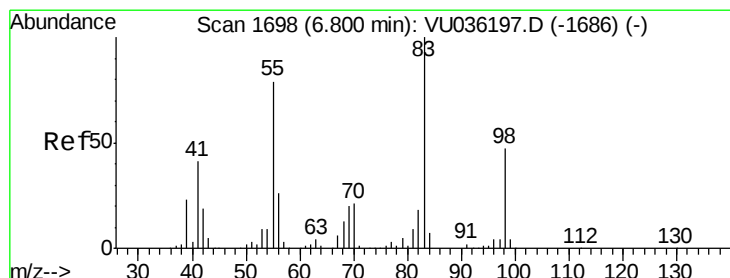
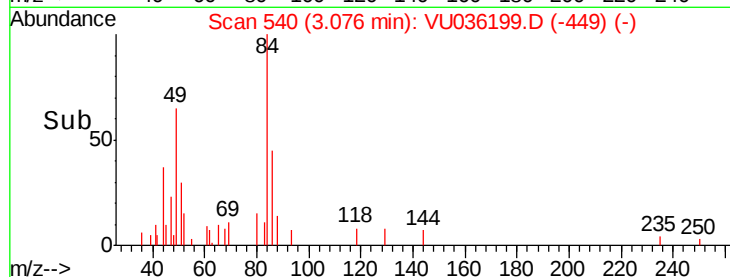
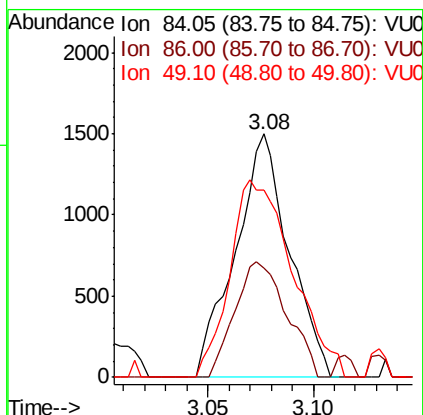
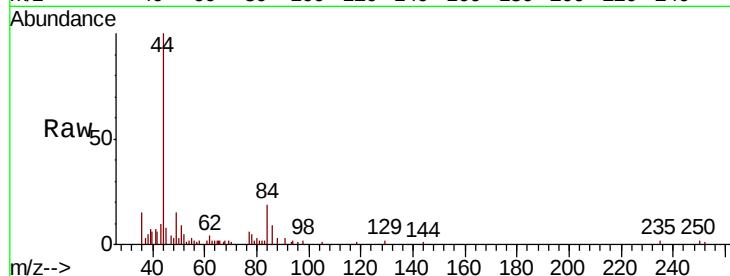




#16
Methylene chloride
Concen: 0.088 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.01 min
Lab File: VU036199.D
Acq: 13 Dec 2019 16:27

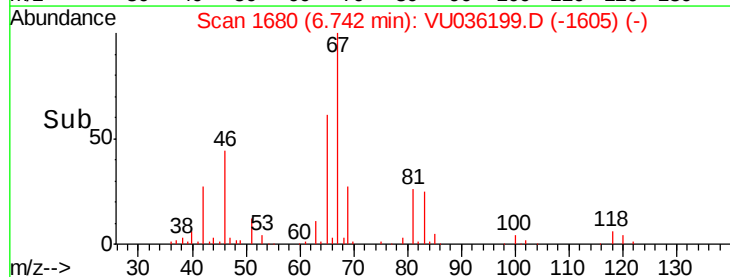
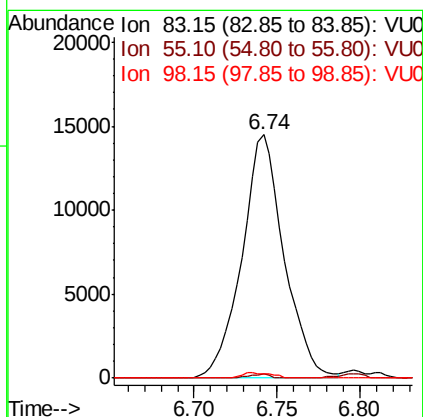
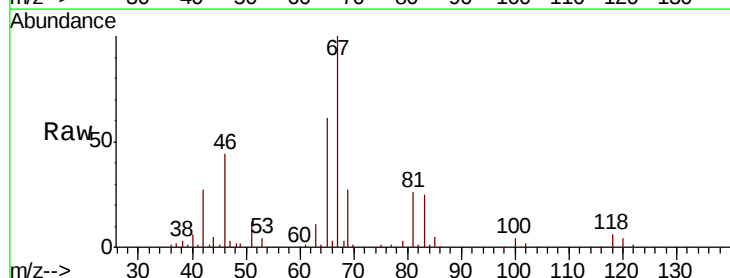
Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

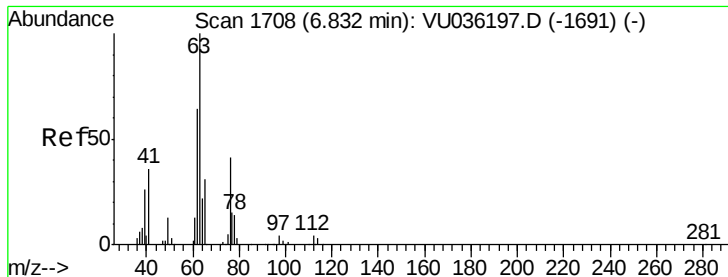
Tot Ion: 84 Resp: 2663
Ion Ratio Lower Upper
84 100
86 45.1 43.0 79.8
49 77.1 77.3 143.5#



#35
Methylcyclohexane
Concen: 0.785 ug/L
RT: 6.74 min Scan# 1680
Delta R.T. -0.06 min
Lab File: VU036199.D
Acq: 13 Dec 2019 16:27

Tgt Ion: 83 Resp: 25523
Ion Ratio Lower Upper
83 100
55 0.7 62.6 94.0#
98 1.5 36.2 54.2#

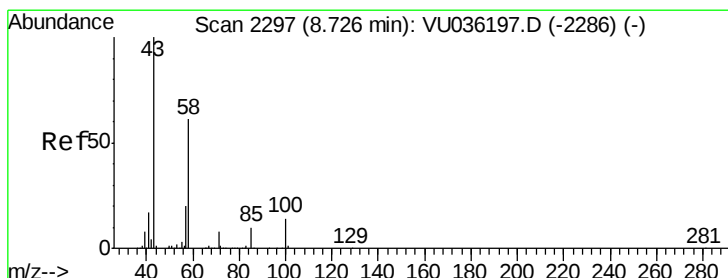
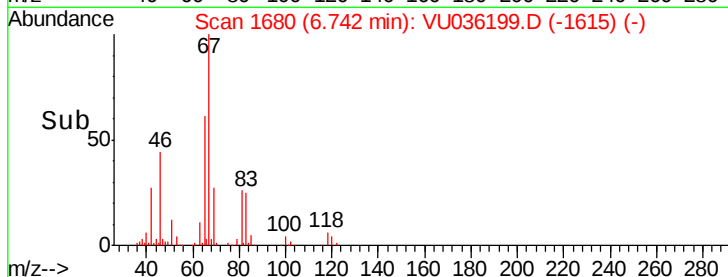
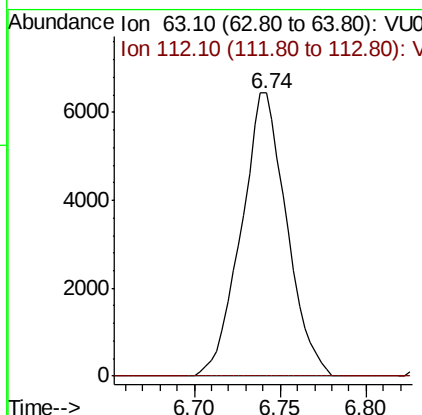
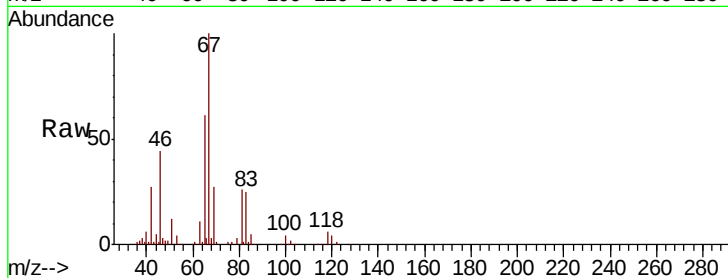




#37
 1,2-Dichloropropane
 Concen: 0.522 ug/L
 RT: 6.74 min Scan# 1680
 Delta R.T. -0.09 min
 Lab File: VU036199.D
 Acq: 13 Dec 2019 16:27

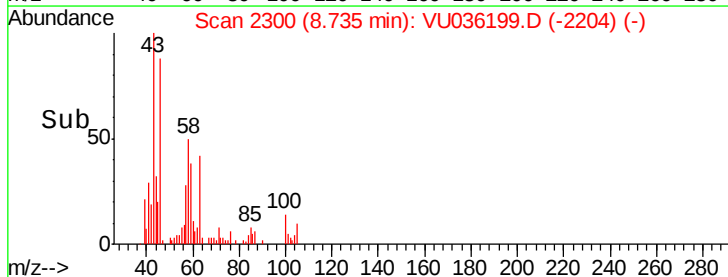
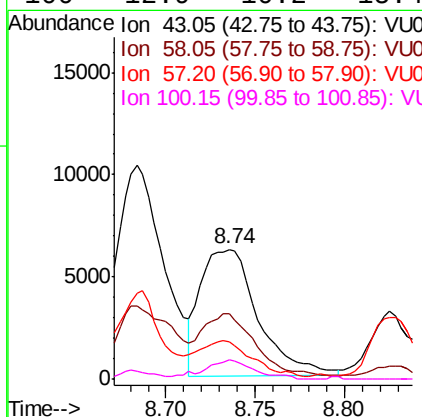
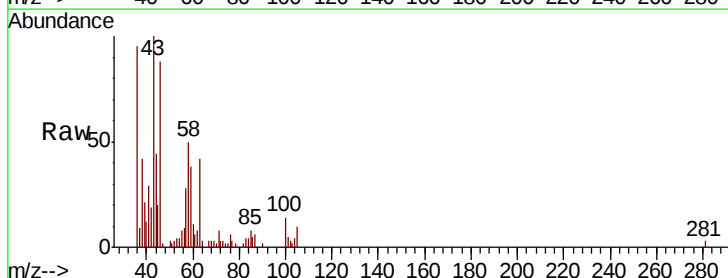
Instrument :
 MSVOA_U
 ClientSampleId :
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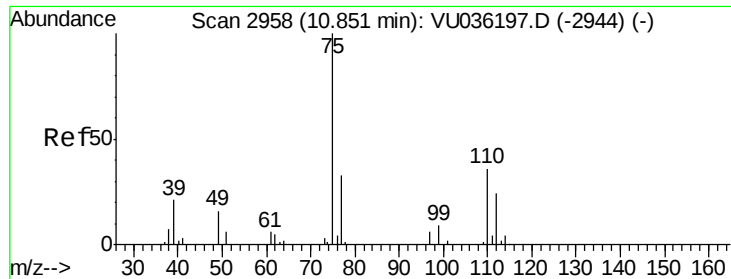
Tot Ion: 63 Resp: 11820
 Ion Ratio Lower Upper
 63 100
 112 0.2 3.8 5.8#



#48
 2-Hexanone
 Concen: 1.572 ug/L
 RT: 8.74 min Scan# 2300
 Delta R.T. 0.01 min
 Lab File: VU036199.D
 Acq: 13 Dec 2019 16:27

Tgt Ion: 43 Resp: 13886
 Ion Ratio Lower Upper
 43 100
 58 51.0 46.2 69.2
 57 27.4 16.2 24.4#
 100 12.9 10.2 15.4

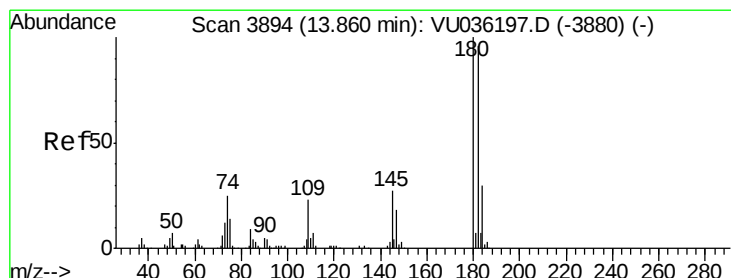
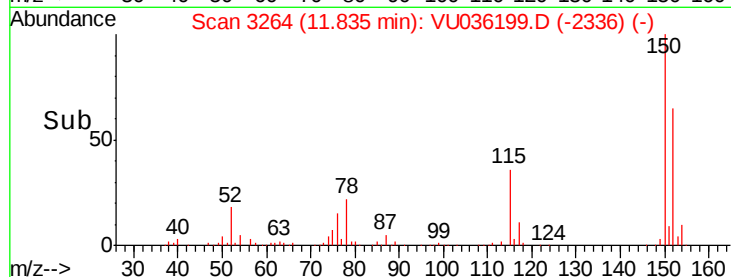
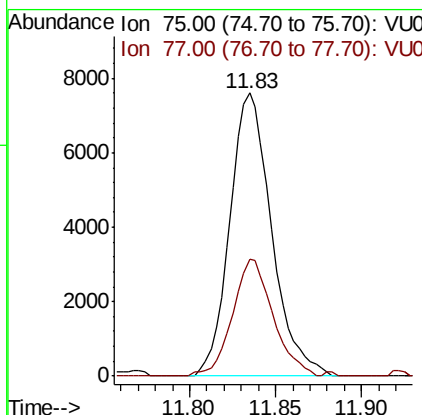
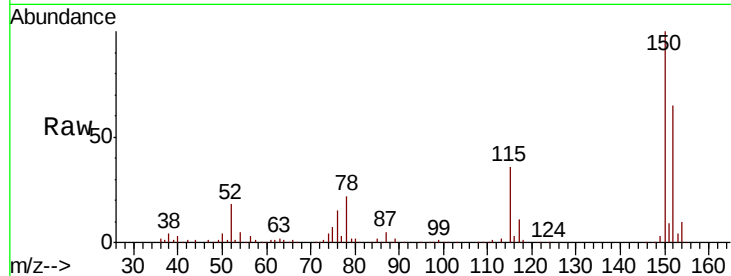




#59
 1,2,3-Trichloropropane
 Concen: 0.853 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.98 min
 Lab File: VU036199.D
 Acq: 13 Dec 2019 16:27

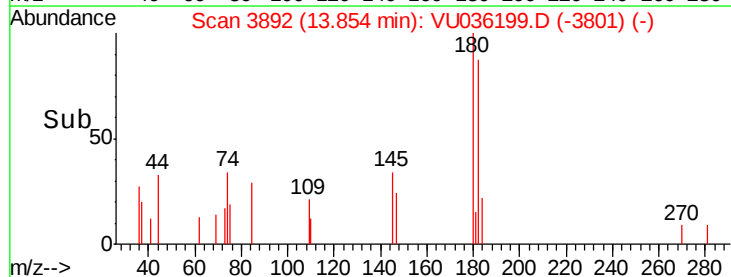
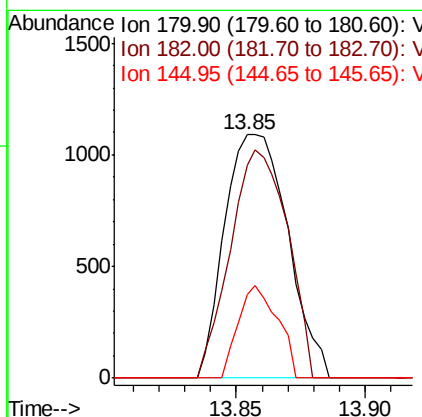
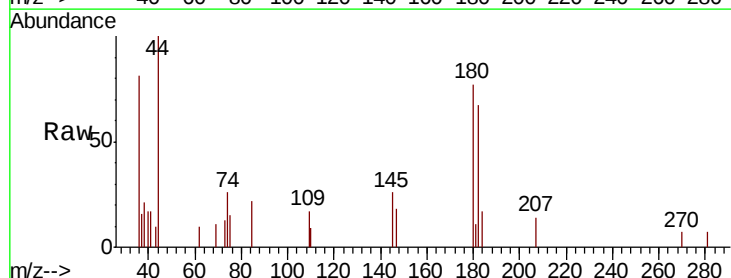
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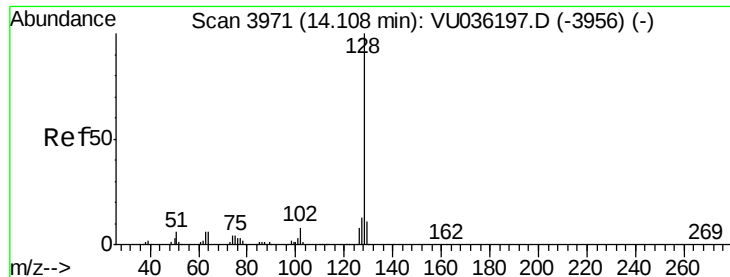
Tot Ion: 75 Resp: 12830
 Ion Ratio Lower Upper
 75 100
 77 40.0 27.2 40.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.097 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. -0.01 min
 Lab File: VU036199.D
 Acq: 13 Dec 2019 16:27

Tgt Ion: 180 Resp: 1867
 Ion Ratio Lower Upper
 180 100
 182 84.7 75.3 112.9
 145 23.7 22.7 34.1





#69

Naphthalene

Concen: 0.156 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. -0.01 min

Lab File: VU036199.D

Acq: 13 Dec 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

BFDQ0

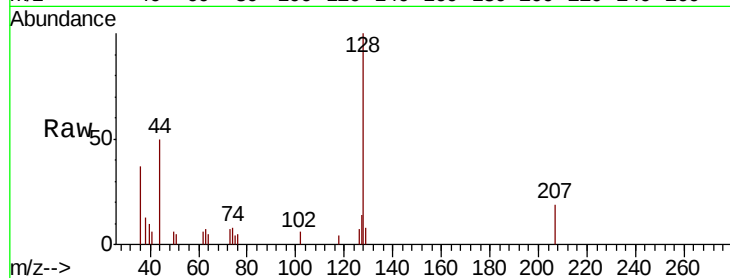
Tot Ion:128 Resp: 3835

Ion Ratio Lower Upper

128 100

129 5.4 8.4 12.6#

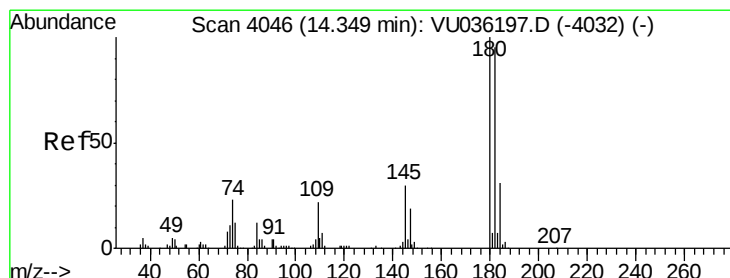
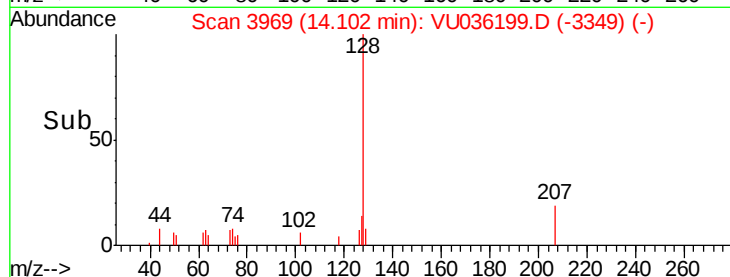
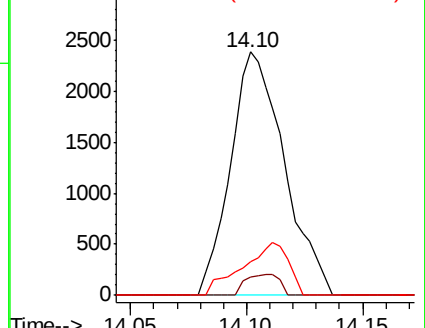
127 18.6 11.5 17.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.121 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU036199.D

Acq: 13 Dec 2019 16:27

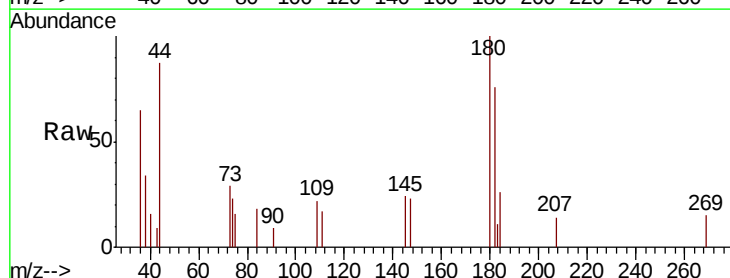
Tgt Ion:180 Resp: 2265

Ion Ratio Lower Upper

180 100

182 78.9 77.0 115.6

145 22.9 24.9 37.3#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

