

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011520\
 Data File : VU036485.D
 Acq On : 15 Jan 2020 22:34
 Operator : JC/MD
 Sample : L1118-11
 Misc : 5.01G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 06:55:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 06:52:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	584213	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	583674	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	305283	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	151288	39.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.88%
7) Chloroethane-d5	1.89	69	104702	31.93	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	63.86%#
11) 1,1-Dichloroethene-d2	2.61	63	441	0.06	ug/L	0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.12%#
21) 2-Butanone-d5	4.69	46	270395	83.03	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.03%
24) Chloroform-d	5.11	84	320029	42.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.88%
26) 1,2-Dichloroethane-d4	5.74	65	220670	44.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.04%
32) Benzene-d6	5.76	84	648669	42.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.98%
36) 1,2-Dichloropropane-d6	6.73	67	212823	42.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.74%
41) Toluene-d8	7.93	98	626865	43.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.84%
43) trans-1,3-Dichloropropene-	8.21	79	111569	41.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.44%
47) 2-Hexanone-d5	8.68	63	253403	99.61	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.61%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	336212	45.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.04%
64) 1,2-Dichlorobenzene-d4	12.22	152	262068	43.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.16%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.56	101	2592	0.744	ug/L # 24
13) Acetone	2.68	43	5751	1.632	ug/L 87
15) Methyl Acetate	2.99	43	4129	0.876	ug/L 92
25) Chloroform	5.13	83	7604	0.998	ug/L 100
33) Benzene	5.81	78	212077	12.645	ug/L 100
34) Trichloroethene	6.57	95	4629	1.022	ug/L 94
35) Methylcyclohexane	6.79	83	10945	1.570	ug/L 92
42) Toluene	8.00	91	4119781	226.159	ug/L 100
45) 1,1,2-Trichloroethane	8.39	97	8537	2.009	ug/L # 20
52) Ethylbenzene	9.60	91	1913323	94.038	ug/L 98
53) m,p-Xylene	9.72	106	4803802	631.378	ug/L 98
54) o-xylene	10.13	106	2141489	281.939	ug/L 96
55) Styrene	10.15	104	2259156	183.390	ug/L 99
56) Isopropylbenzene	10.51	105	134430	6.896	ug/L 97
58) 1,1,2,2-Tetrachloroethane	10.78	83	8427	1.141	ug/L # 46
66) 1,2-Dibromo-3-chloropropan	13.00	75	6119	2.935	ug/L # 18
70) 1,2,3-Trichlorobenzene	14.37	180	5338	1.201	ug/L # 1

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Quant Title : VOC Analysis
QLast Update : Thu Jan 16 06:52:15 2020
Response via : Initial Calibration

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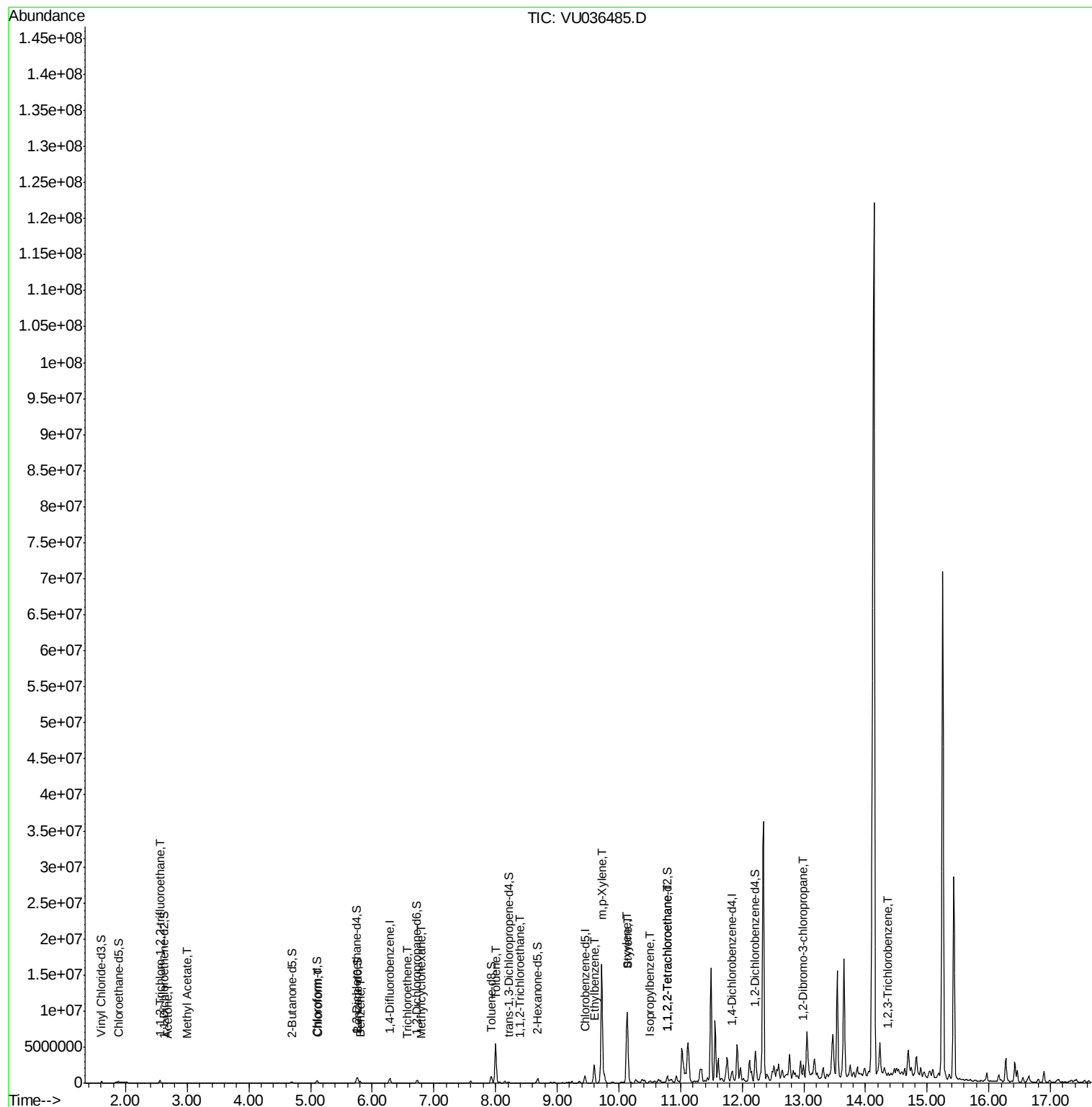
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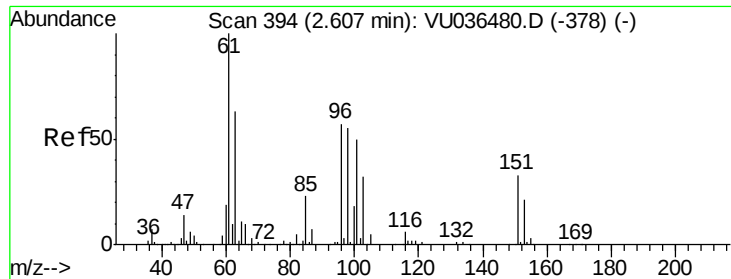
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.744 ug/L

RT: 2.56 min Scan# 378

Delta R.T. -0.05 min

Lab File: VU036485.D

Acq: 15 Jan 2020 22:34

Instrument :

MSVOA_U

ClientSampleId :

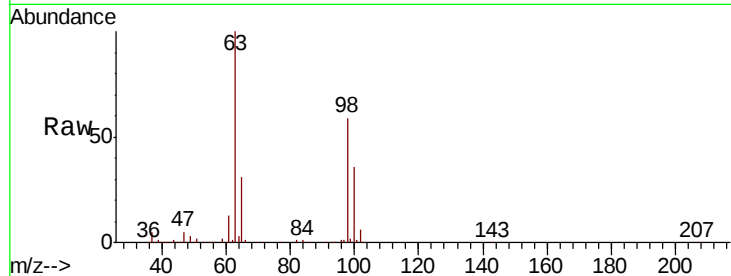
Tot Ion:101 Resp: 2592

Ion Ratio Lower Upper

101 100

85 3.1 36.7 55.1#

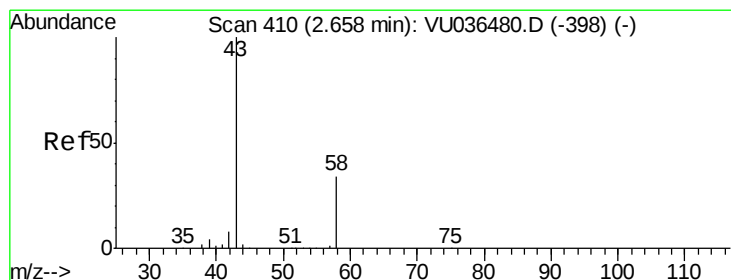
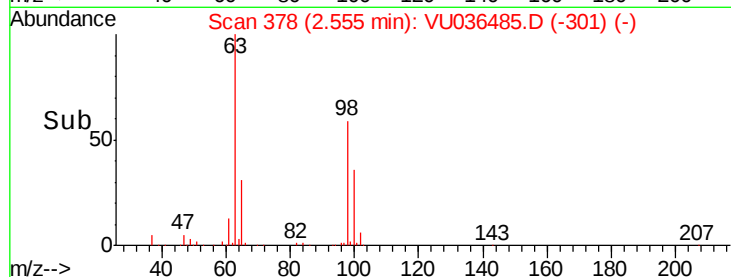
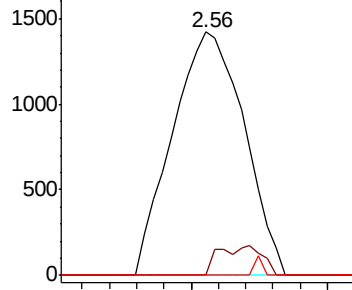
151 0.0 53.3 79.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 1.632 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.02 min

Lab File: VU036485.D

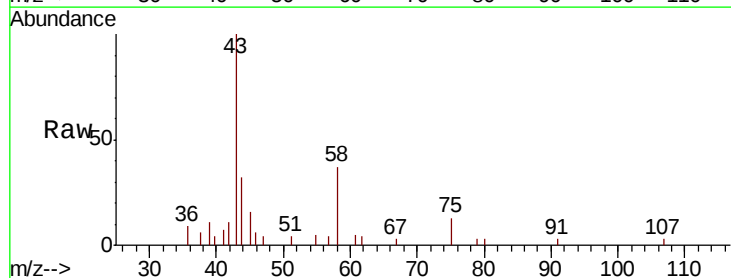
Acq: 15 Jan 2020 22:34

Tgt Ion: 43 Resp: 5751

Ion Ratio Lower Upper

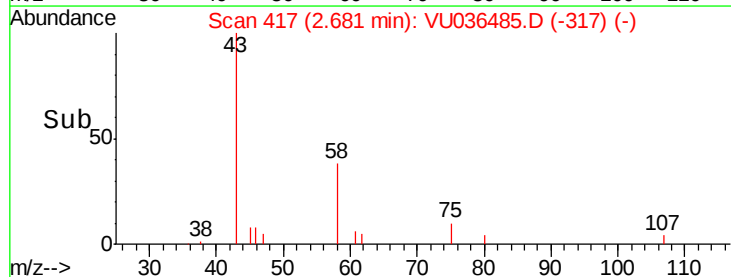
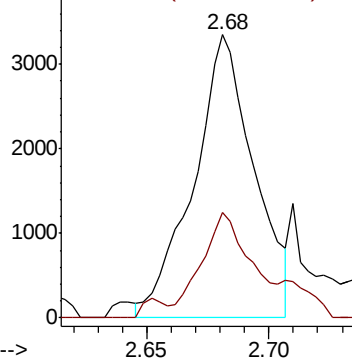
43 100

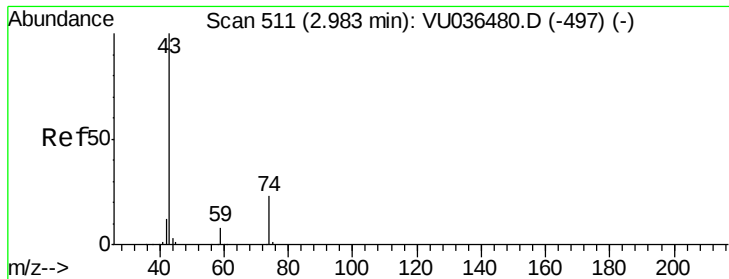
58 25.4 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#15

Methvl Acetate

Concen: 0.876 ug/L

RT: 2.99 min Scan# 514

Delta R.T. 0.01 min

Lab File: VU036485.D

Acq: 15 Jan 2020 22:34

Instrument :

MSVOA_U

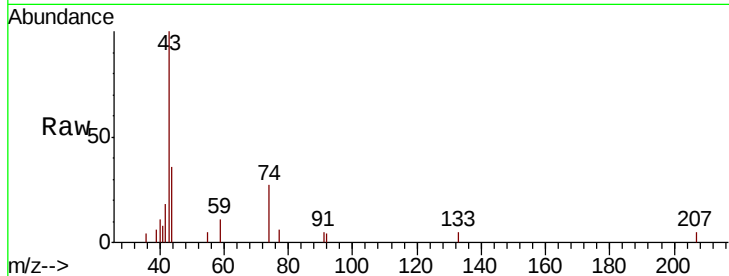
ClientSampleId :

Tot Ion: 43 Resp: 4129

Ion Ratio Lower Upper

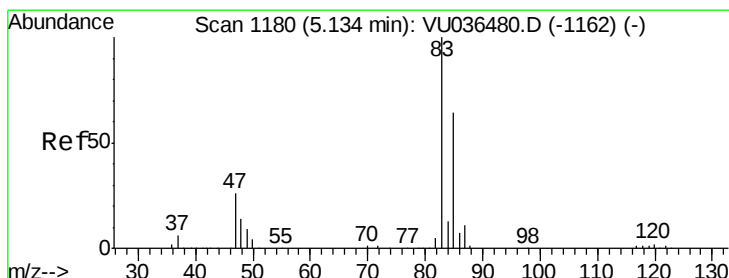
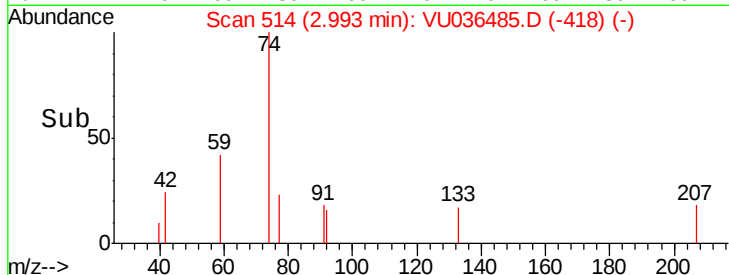
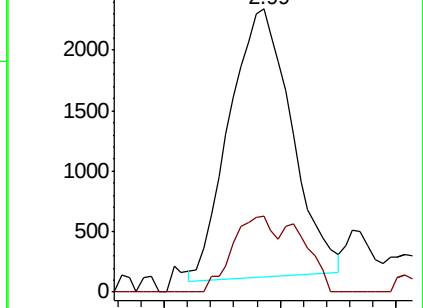
43 100

74 19.6 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VU036480.D (-497) (-)

Ion 74.00 (73.70 to 74.70): VU036480.D (-497) (-)



#25

Chloroform

Concen: 0.998 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VU036485.D

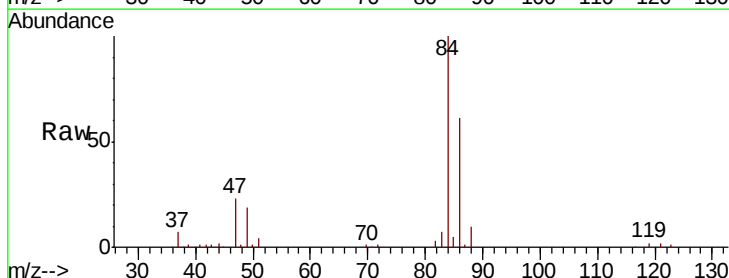
Acq: 15 Jan 2020 22:34

Tgt Ion: 83 Resp: 7604

Ion Ratio Lower Upper

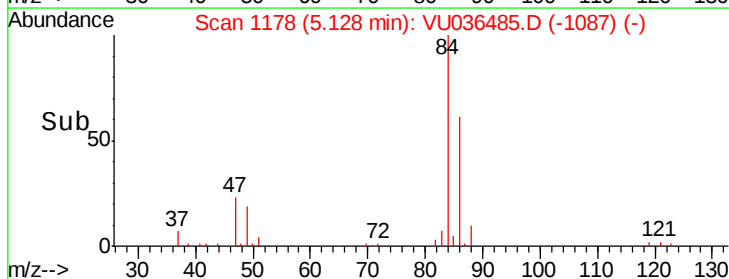
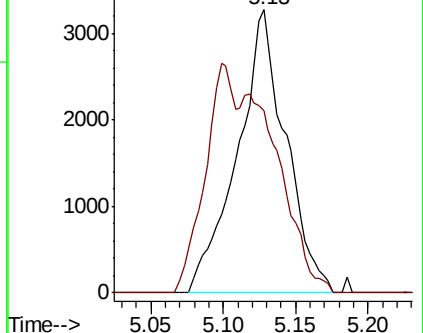
83 100

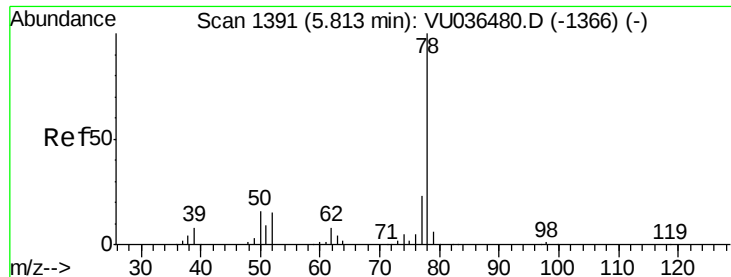
85 64.4 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU036480.D (-1162) (-)

Ion 85.00 (84.70 to 85.70): VU036480.D (-1162) (-)





#33

Benzene

Concen: 12.645 ug/L

RT: 5.81 min Scan# 1390

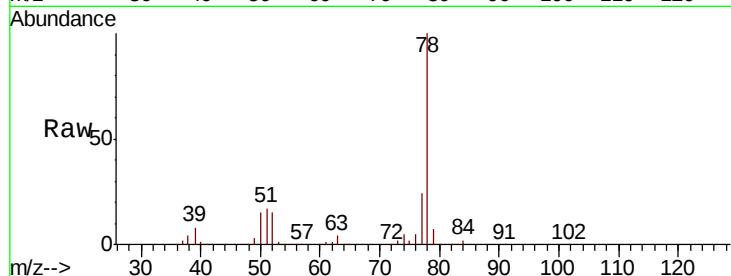
Delta R.T. -0.00 min

Lab File: VU036485.D

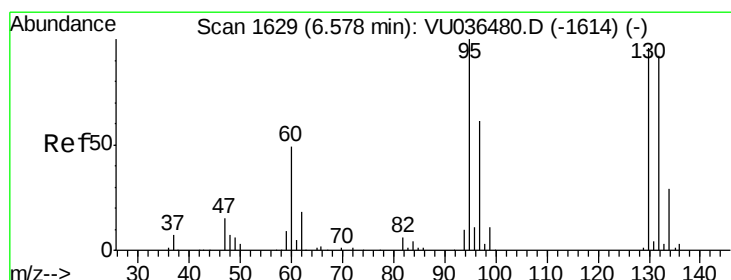
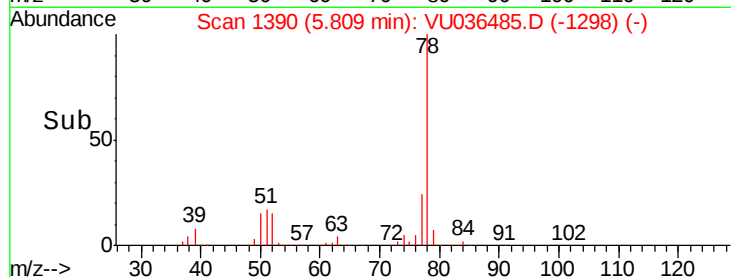
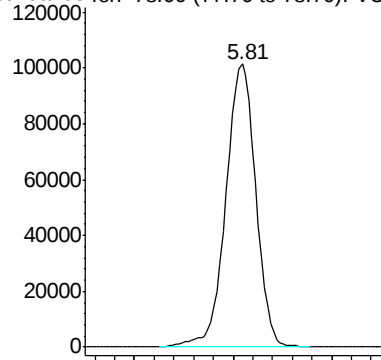
Acq: 15 Jan 2020 22:34

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 212077



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 1.022 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VU036485.D

Acq: 15 Jan 2020 22:34

Tgt Ion: 95 Resp: 4629

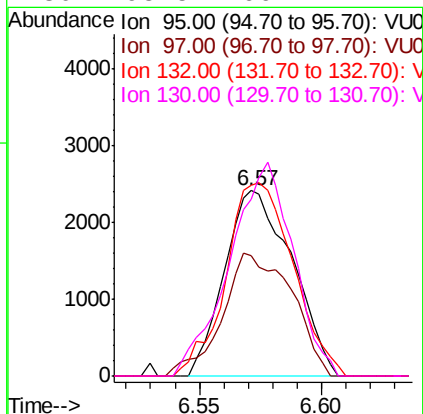
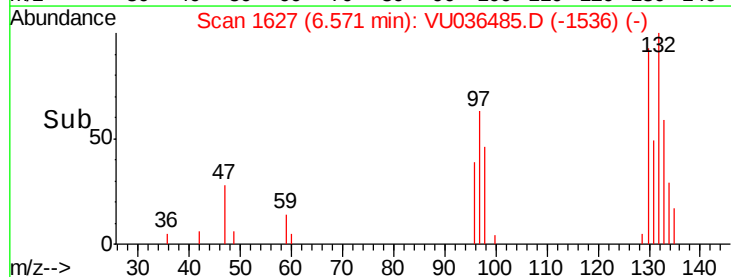
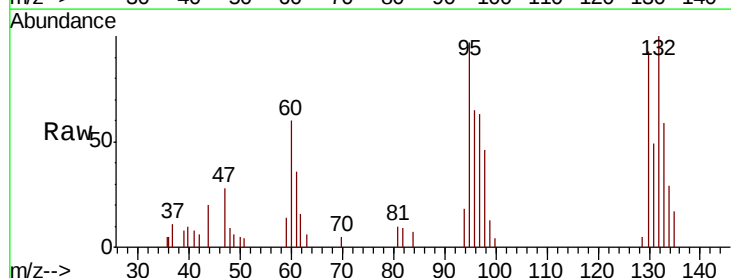
Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.2	82.2
132	103.1	62.8	116.6
130	95.5	66.1	122.7

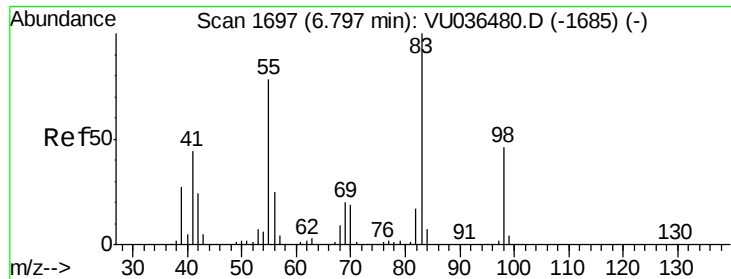
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

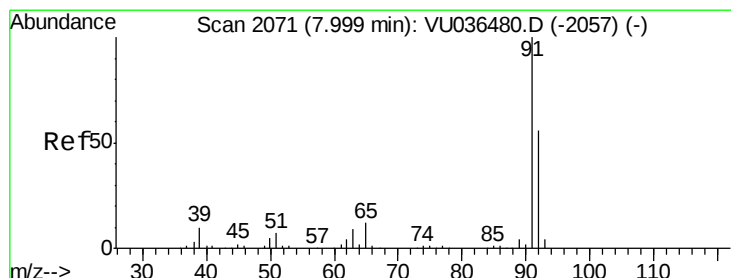
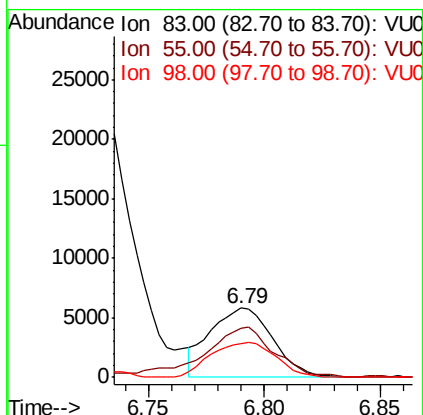
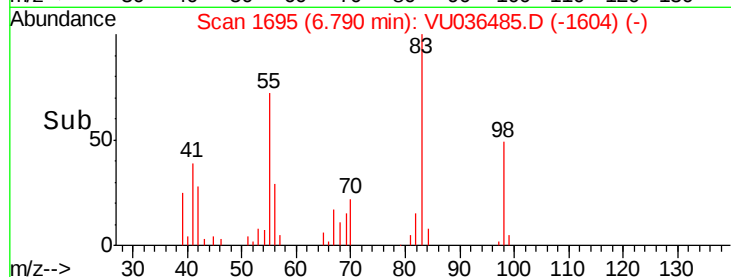
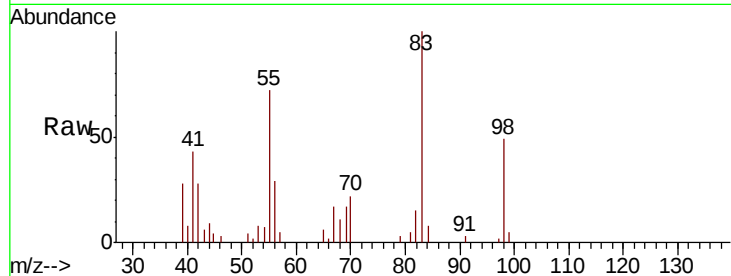




#35
Methvlcvclohexane
Concen: 1.570 ug/L
RT: 6.79 min Scan# 1695
Delta R.T. -0.01 min
Lab File: VU036485.D
Acq: 15 Jan 2020 22:34

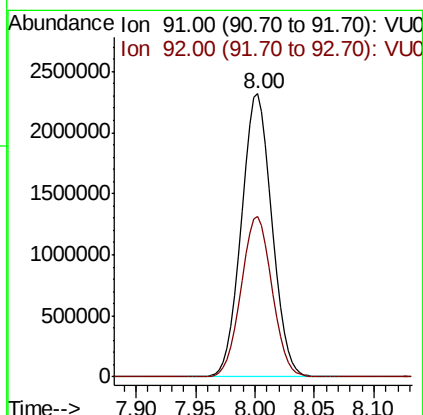
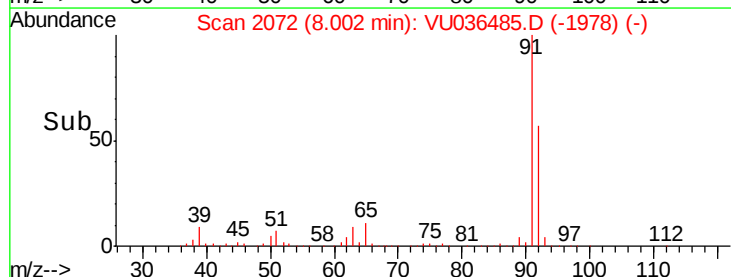
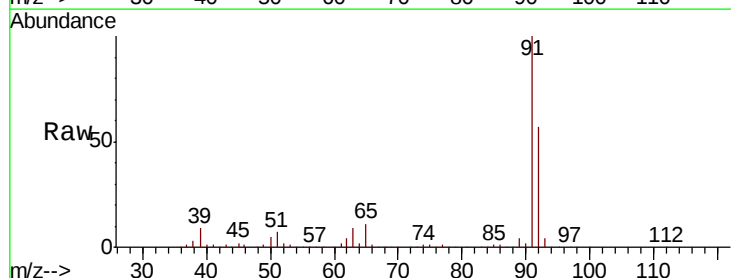
Instrument :
MSVOA_U
ClientSampleId :

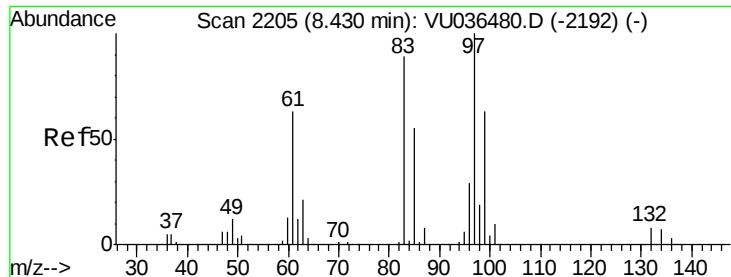
Tot Ion: 83 Resp: 10945
Ion Ratio Lower Upper
83 100
55 80.9 59.9 89.9
98 52.3 36.4 54.6



#42
Toluene
Concen: 226.159 ug/L
RT: 8.00 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VU036485.D
Acq: 15 Jan 2020 22:34

Tgt Ion: 91 Resp: 4119781
Ion Ratio Lower Upper
91 100
92 56.5 39.5 73.3

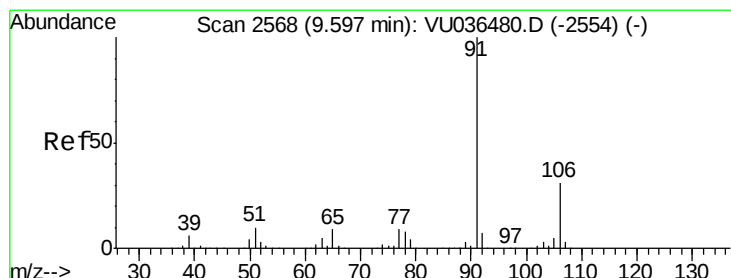
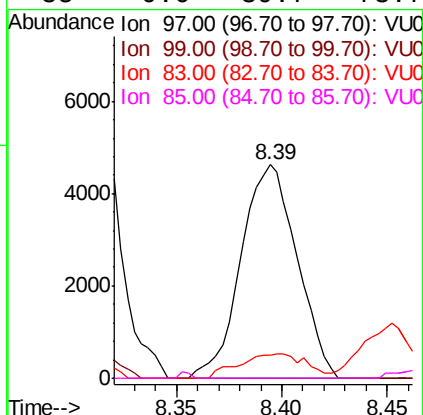
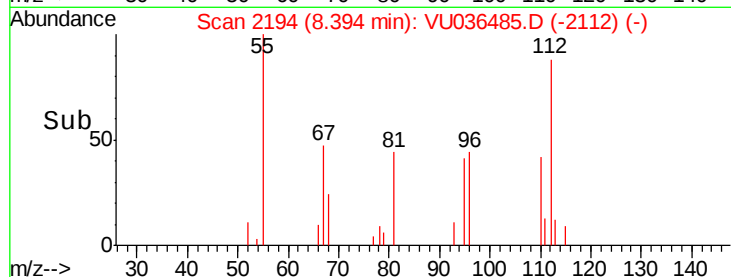
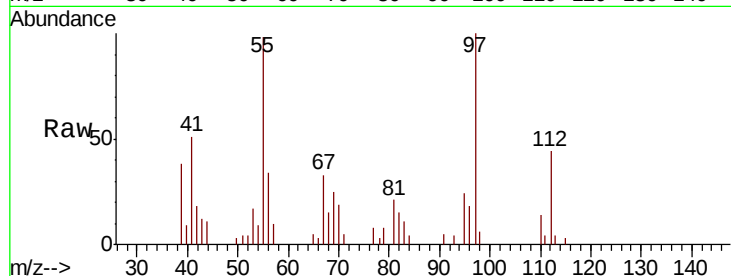




#45
 1,1,2-Trichloroethane
 Concen: 2.009 ug/L
 RT: 8.39 min Scan# 2194
 Delta R.T. -0.04 min
 Lab File: VU036485.D
 Acq: 15 Jan 2020 22:34

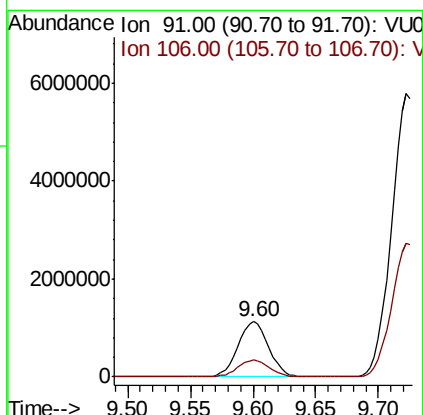
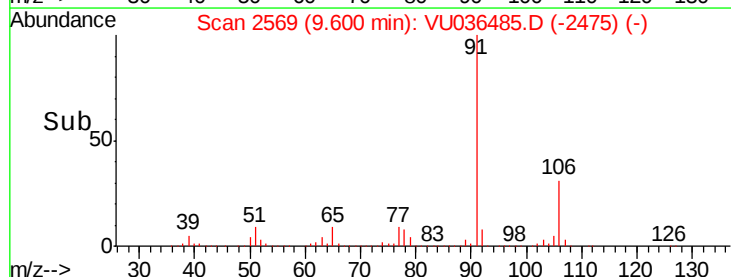
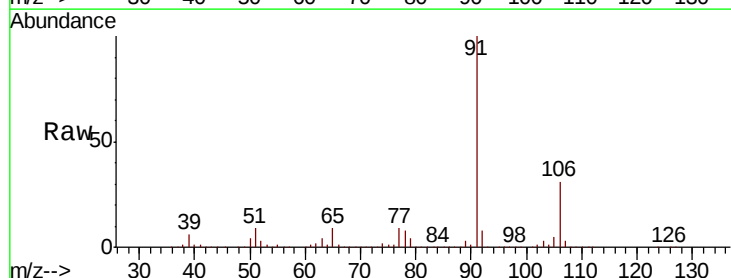
Instrument :
 MSVOA_U
 ClientSampleId :

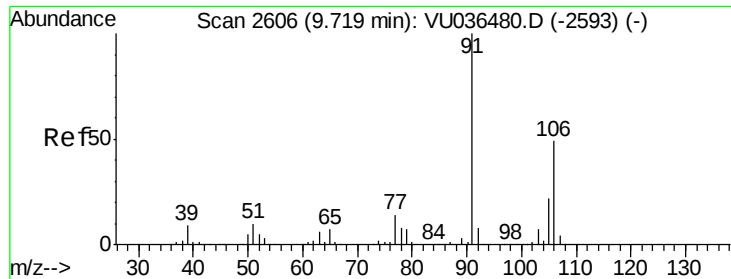
Tot Ion: 97 Resp: 8537
 Ion Ratio Lower Upper
 97 100
 99 0.0 44.7 82.9#
 83 10.8 59.4 110.2#
 85 0.0 39.7 73.7#



#52
 Ethylbenzene
 Concen: 94.038 ug/L
 RT: 9.60 min Scan# 2569
 Delta R.T. 0.00 min
 Lab File: VU036485.D
 Acq: 15 Jan 2020 22:34

Tgt Ion: 91 Resp: 1913323
 Ion Ratio Lower Upper
 91 100
 106 30.8 22.3 41.3





#53

m,p-Xylene

Concen: 631.378 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036485.D

Acq: 15 Jan 2020 22:34

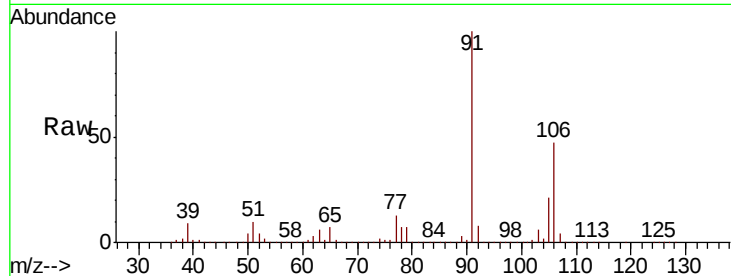
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 4803802

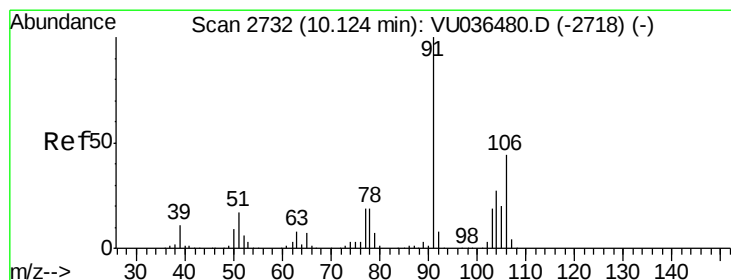
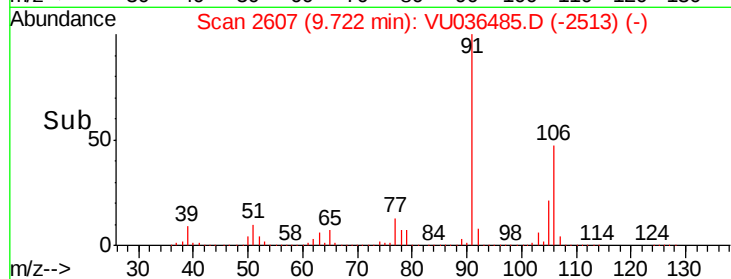
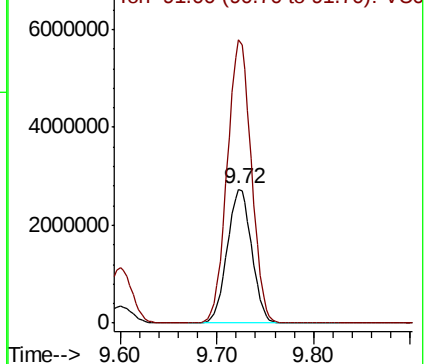
Ion Ratio Lower Upper

106 100

91 211.7 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 281.939 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.01 min

Lab File: VU036485.D

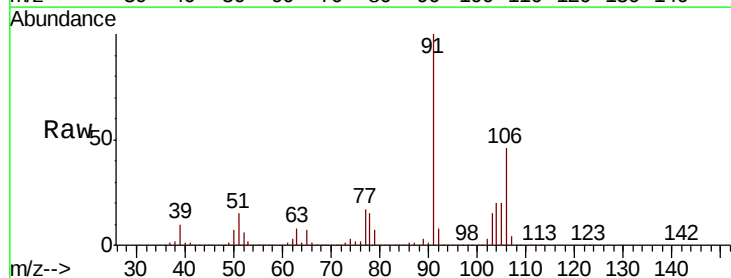
Acq: 15 Jan 2020 22:34

Tgt Ion:106 Resp: 2141489

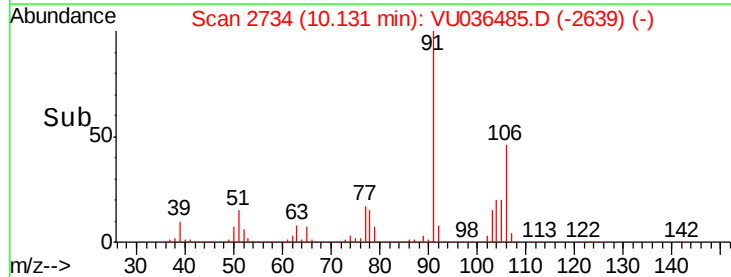
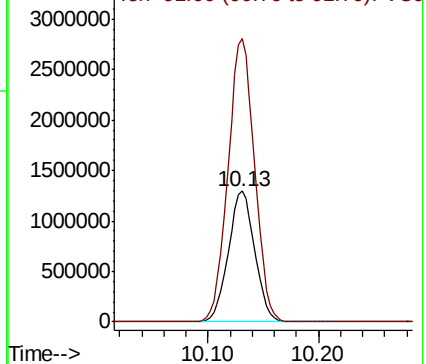
Ion Ratio Lower Upper

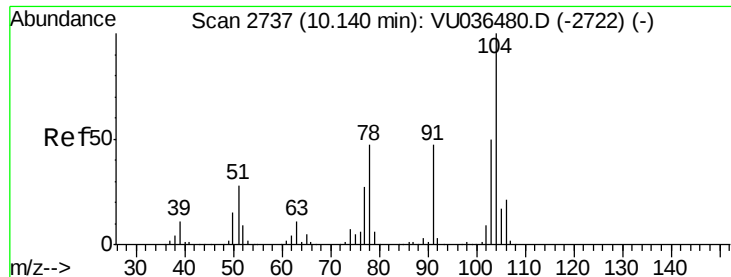
106 100

91 216.6 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#55

Stvrene

Concen: 183.390 ug/L

RT: 10.15 min Scan# 2739

Delta R.T. 0.01 min

Lab File: VU036485.D

Acq: 15 Jan 2020 22:34

Instrument :

MSVOA_U

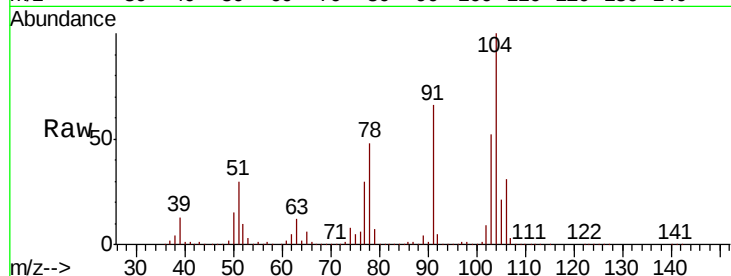
ClientSampleId :

Tot Ion:104 Resp: 2259156

Ion Ratio Lower Upper

104 100

78 47.8 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

10.15

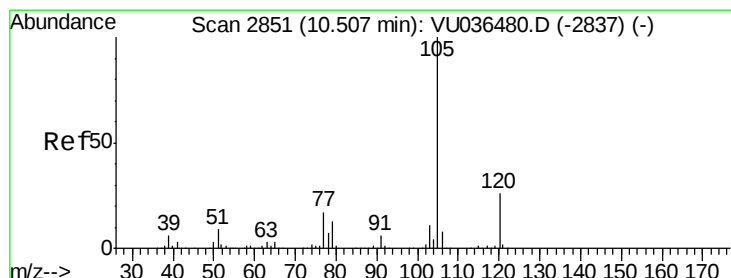
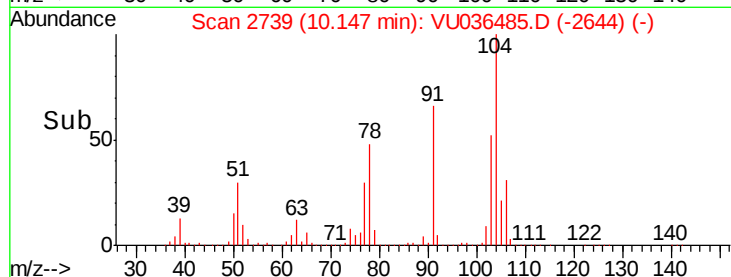
1500000

1000000

500000

0

Time-->



#56

Isopropylbenzene

Concen: 6.896 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036485.D

Acq: 15 Jan 2020 22:34

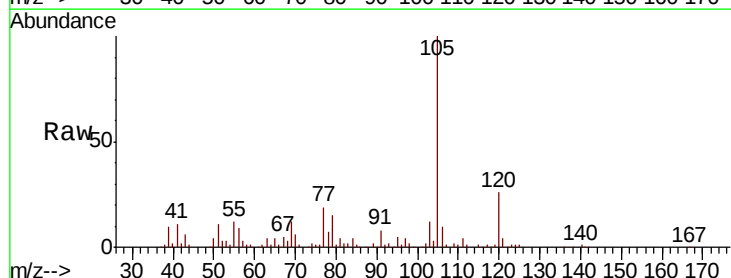
Tgt Ion:105 Resp: 134430

Ion Ratio Lower Upper

105 100

120 26.6 21.5 32.3

77 19.7 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

10.51

100000

80000

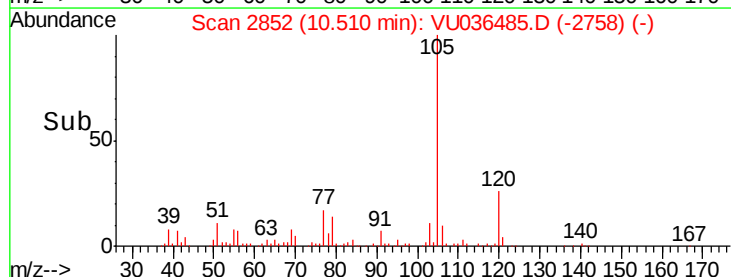
60000

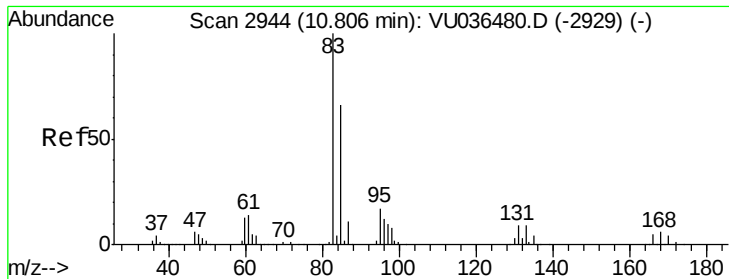
40000

20000

0

Time-->

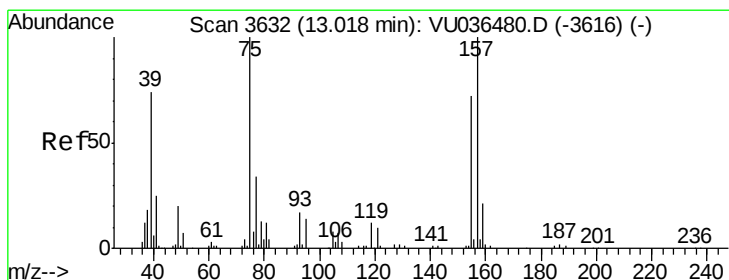
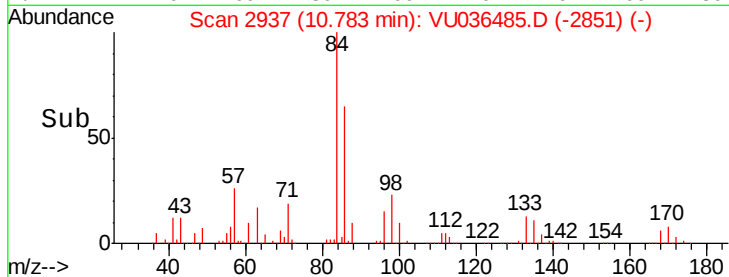
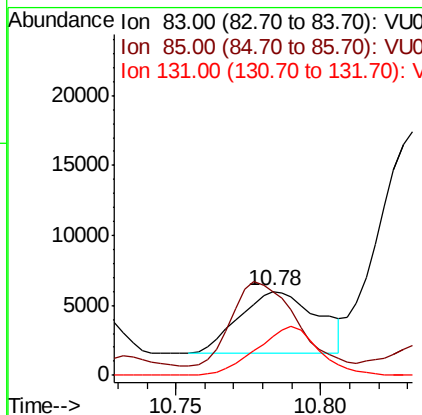
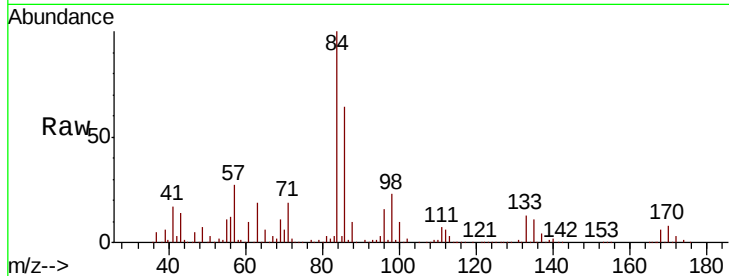




#58
 1,1,2,2-Tetrachloroethane
 Concen: 1.141 ug/L
 RT: 10.78 min Scan# 2937
 Delta R.T. -0.02 min
 Lab File: VU036485.D
 Acq: 15 Jan 2020 22:34

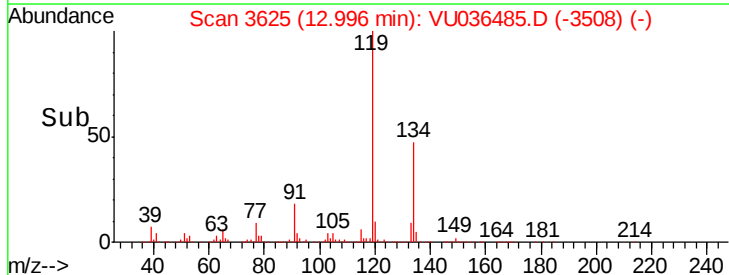
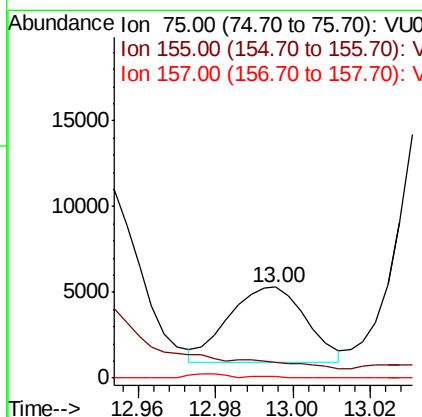
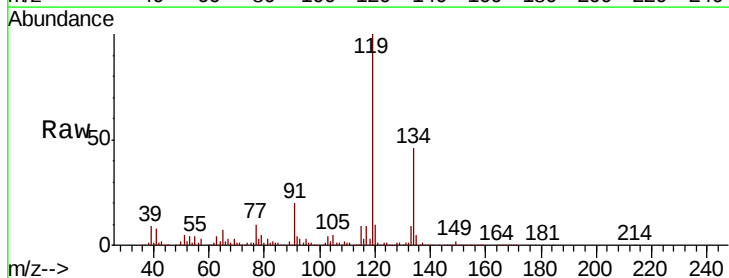
Instrument :
 MSVOA_U
 ClientSampleId :

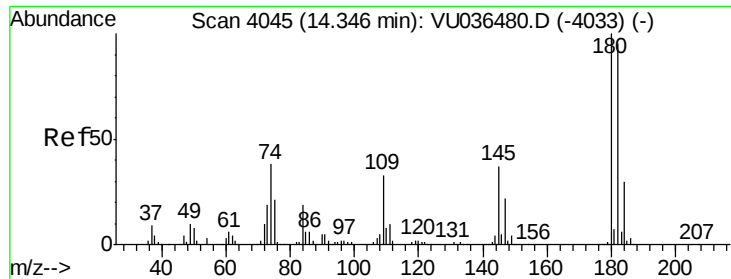
Tot Ion: 83 Resp: 8427
 Ion Ratio Lower Upper
 83 100
 85 100.6 44.7 82.9#
 131 45.7 7.0 10.6#



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.935 ug/L
 RT: 13.00 min Scan# 3625
 Delta R.T. -0.02 min
 Lab File: VU036485.D
 Acq: 15 Jan 2020 22:34

Tgt Ion: 75 Resp: 6119
 Ion Ratio Lower Upper
 75 100
 155 17.5 59.1 88.7#
 157 1.9 72.7 109.1#





#70
 1,2,3-Trichlorobenzene
 Concen: 1.201 ug/L
 RT: 14.37 min Scan# 4053
 Delta R.T. 0.03 min
 Lab File: VU036485.D
 Acq: 15 Jan 2020 22:34

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 5338
 Ion Ratio Lower Upper
 180 100
 182 23.9 77.1 115.7#
 145 4227.1 29.2 43.8#

