

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111919\
 Data File : VU035774.D
 Acq On : 19 Nov 2019 16:55
 Operator : JC/SP
 Sample : K5910-20DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 20 00:41:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 20 00:37:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	211774	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	219782	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	128832	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	74319	3.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.20%
7) Chloroethane-d5	1.93	69	75219	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.60	63	99994	2.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.60%#
20) 2-Butanone-d5	4.70	46	247055	51.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.66%
24) Chloroform-d	5.11	84	156354	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.75	65	82414	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	5.77	84	313089	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.74	67	106100	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.93	98	269417	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.22	79	36713	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.68	63	177942	50.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.66%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	96683	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	124947	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.62	43	242704	69.945	ug/L	49
15) Methyl Acetate	3.07	43	575792	71.432	ug/L #	49
16) Methylene chloride	3.08	84	9128	0.413	ug/L #	1
21) 2-Butanone	4.78	43	7161	1.390	ug/L #	72
25) Chloroform	5.17	83	10334	0.267	ug/L	80
30) Cyclohexane	5.43	56	207737	7.182	ug/L	96
33) Benzene	5.82	78	33282	0.430	ug/L	100
35) Methylcyclohexane	6.80	83	83691	2.775	ug/L #	74
39) cis-1,3-Dichloropropene	7.61	75	2532	0.087	ug/L #	1
42) Toluene	8.01	91	9276	0.114	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	12827	0.879	ug/L #	19
48) 2-Hexanone	8.73	43	19848	2.383	ug/L	99
52) Ethylbenzene	9.60	91	212472	2.481	ug/L	99
53) m,p-Xylene	9.72	106	214927	6.628	ug/L	99
54) o-Xylene	10.13	106	20902	0.667	ug/L	97
56) Isopropylbenzene	10.51	105	112681	1.362	ug/L	99
59) 1,2,3-Trichloropropane	10.93	75	3659	0.271	ug/L #	1

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 20 00:37:27 2019
Response via : Initial Calibration

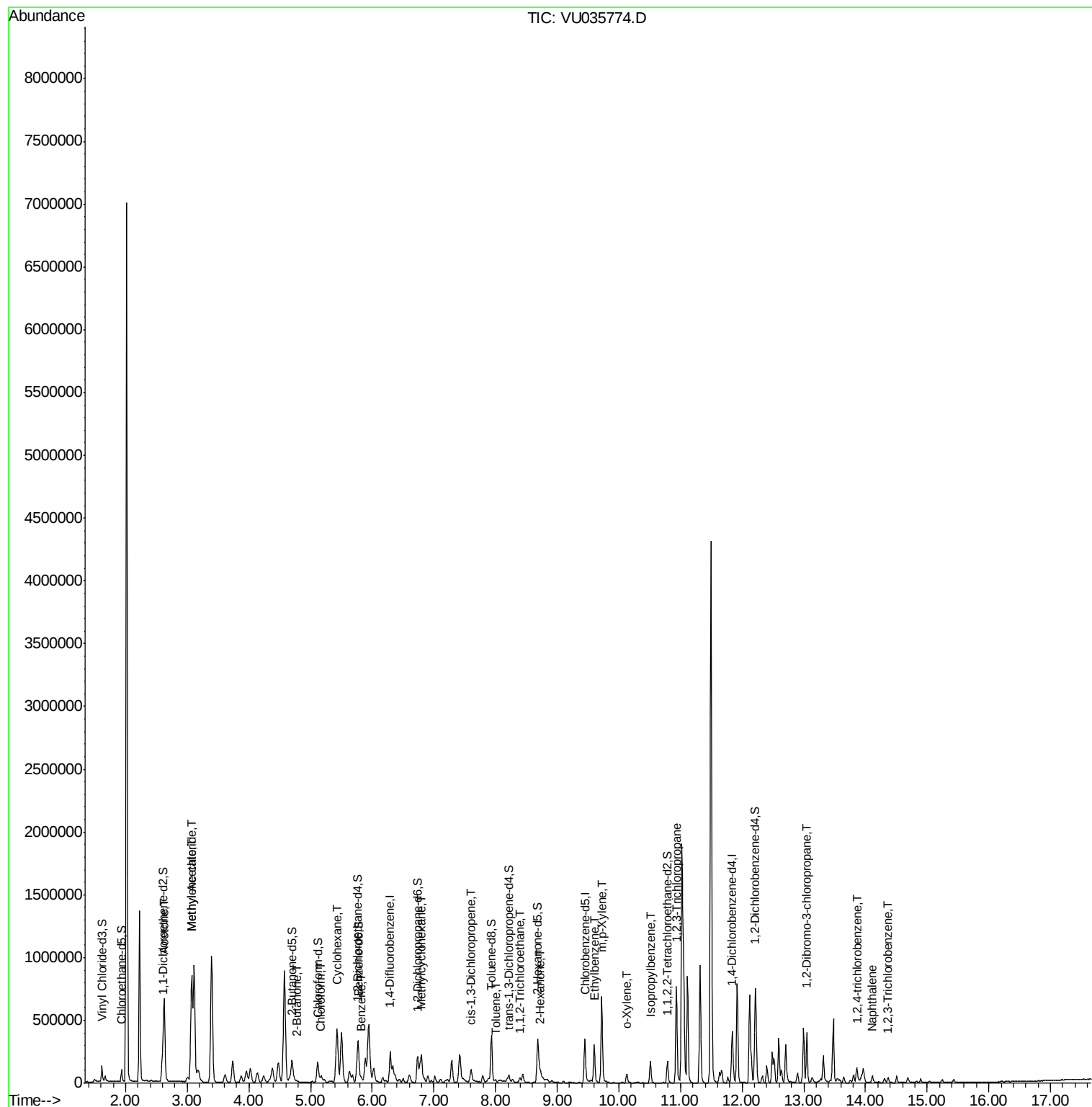
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	13.05	75	1536	0.594	ug/L #	1
68) 1,2,4-trichlorobenzene	13.86	180	2074	0.123	ug/L #	25
69) Naphthalene	14.11	128	43782	2.114	ug/L #	96
70) 1,2,3-Trichlorobenzene	14.35	180	2214	0.136	ug/L #	43

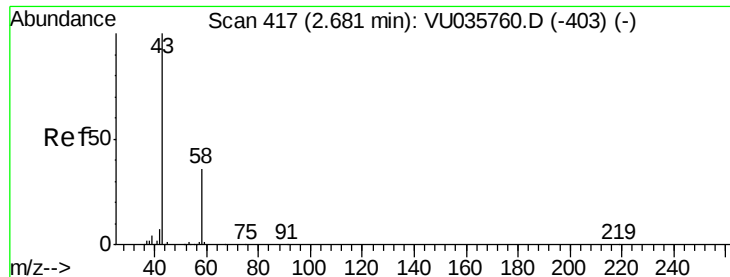
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#13

Acetone

Concen: 69.945 ug/L

RT: 2.62 min Scan# 399

Delta R.T. -0.06 min

Lab File: VU035774.D

Acq: 19 Nov 2019 16:55

Instrument :

MSVOA_U

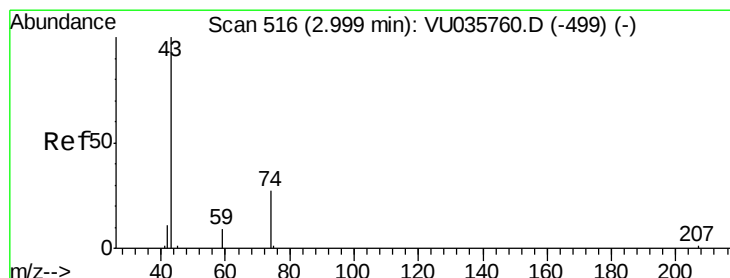
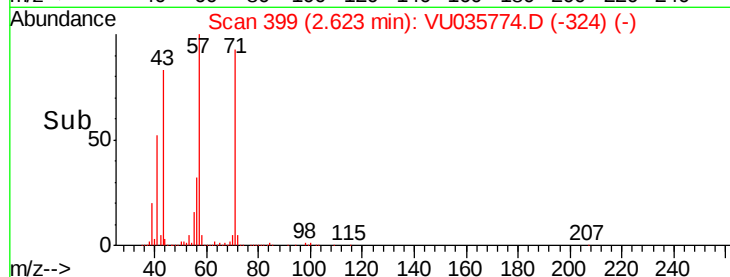
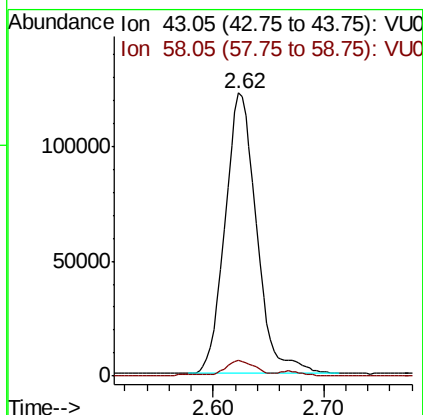
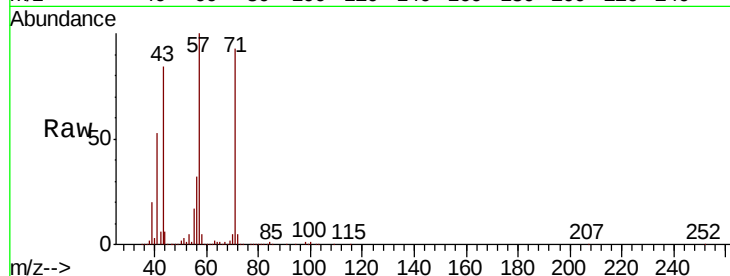
ClientSampleId :

Tot Ion: 43 Resp: 242704

Ion Ratio Lower Upper

43 100

58 5.6 0.0 69.8



#15

Methyl Acetate

Concen: 71.432 ug/L

RT: 3.07 min Scan# 539

Delta R.T. 0.07 min

Lab File: VU035774.D

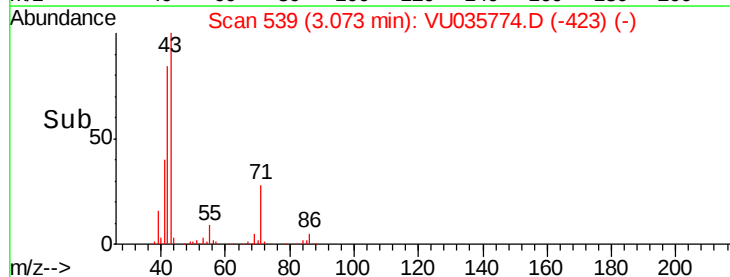
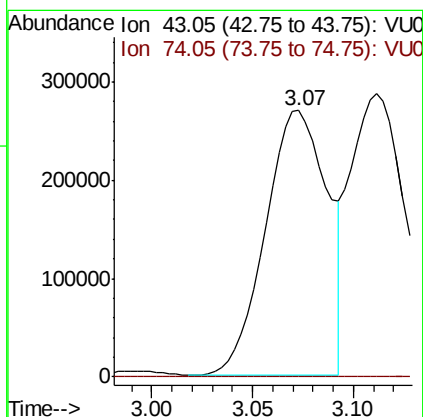
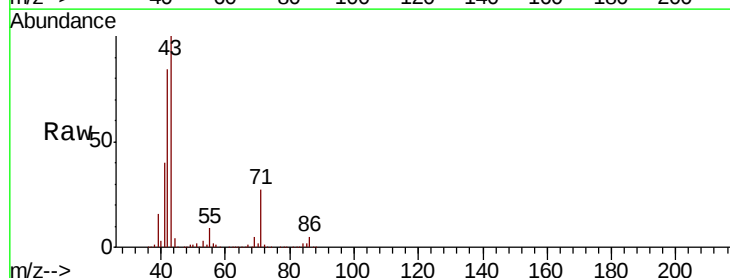
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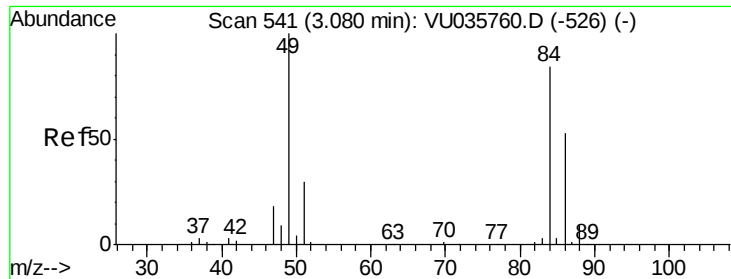
Tgt Ion: 43 Resp: 575792

Ion Ratio Lower Upper

43 100

74 0.0 21.0 31.6#

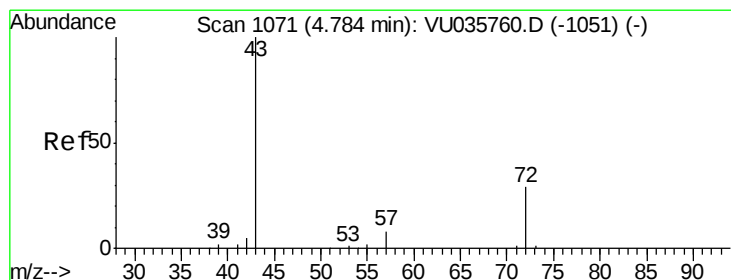
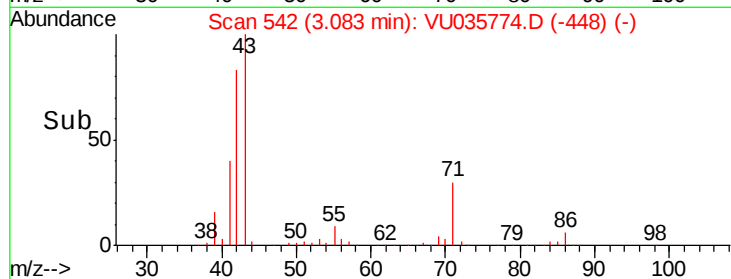
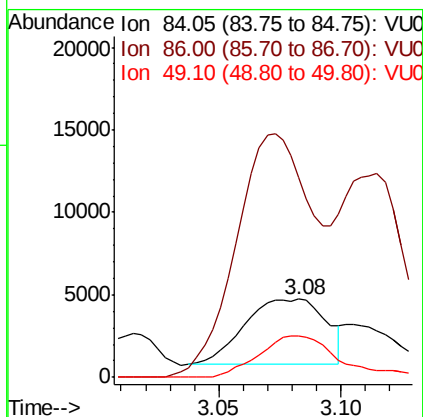
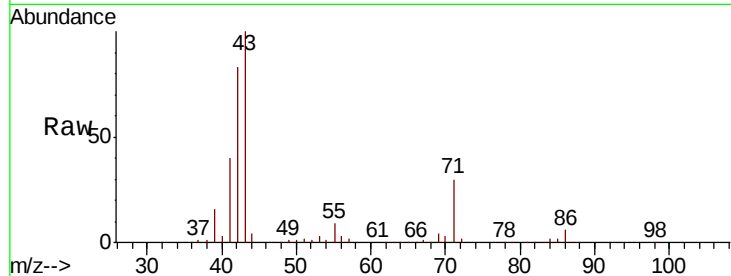




#16
Methvlene chloride
Concen: 0.413 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035774.D
Acq: 19 Nov 2019 16:55

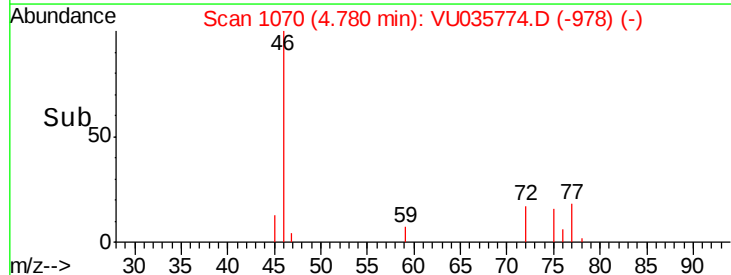
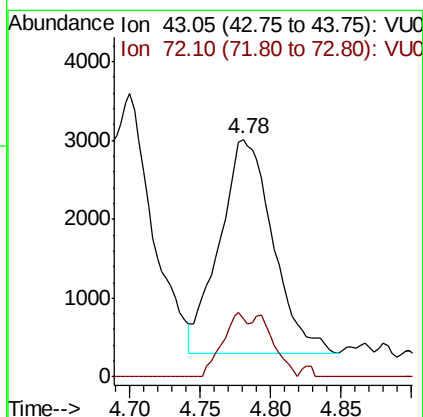
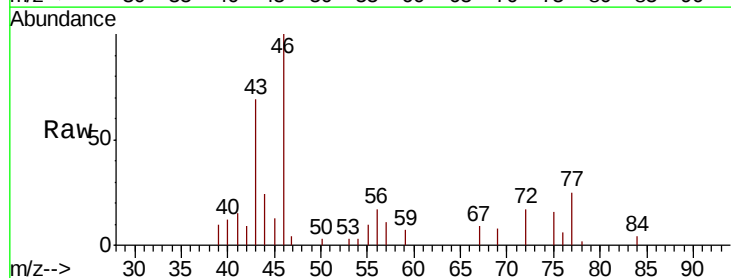
Instrument :
MSVOA_U
ClientSampleId :

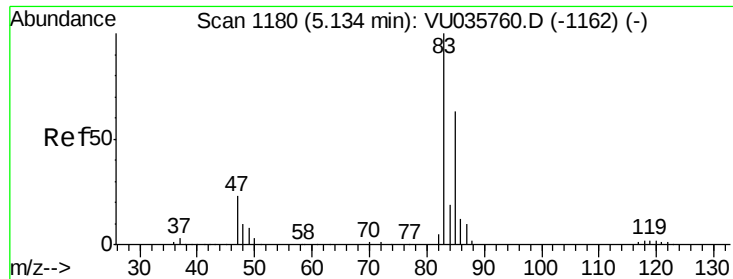
Tot Ion: 84 Resp: 9128
Ion Ratio Lower Upper
84 100
86 256.4 45.8 85.2#
49 52.5 81.9 152.1#



#21
2-Butanone
Concen: 1.390 ug/L
RT: 4.78 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VU035774.D
Acq: 19 Nov 2019 16:55

Tgt Ion: 43 Resp: 7161
Ion Ratio Lower Upper
43 100
72 13.8 14.3 42.9#

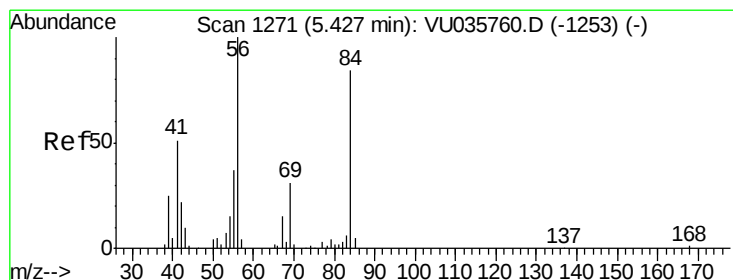
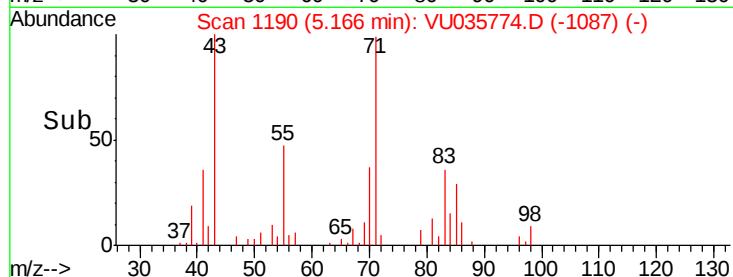
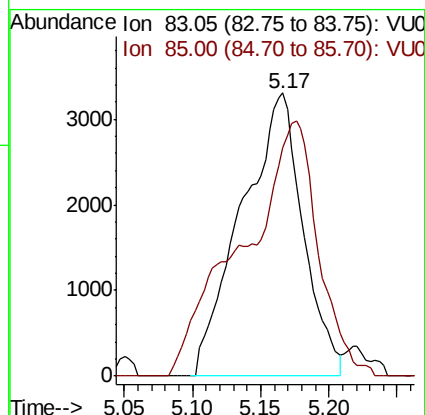
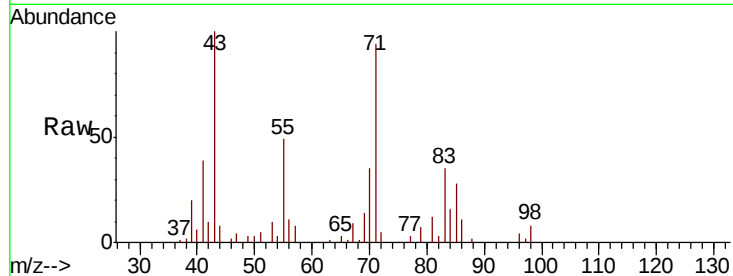




#25
Chloroform
Concen: 0.267 ug/L
RT: 5.17 min Scan# 1190
Delta R.T. 0.03 min
Lab File: VU035774.D
Acq: 19 Nov 2019 16:55

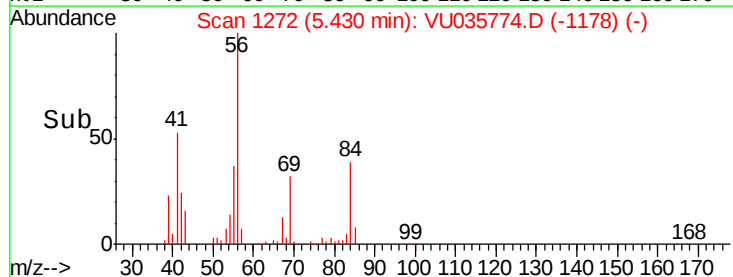
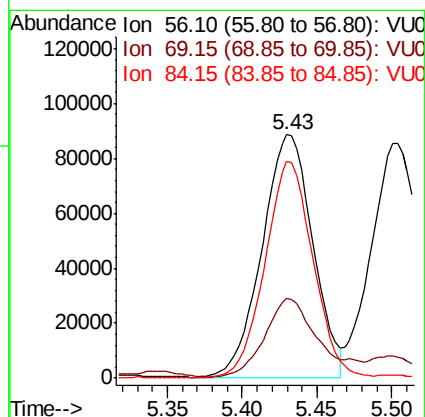
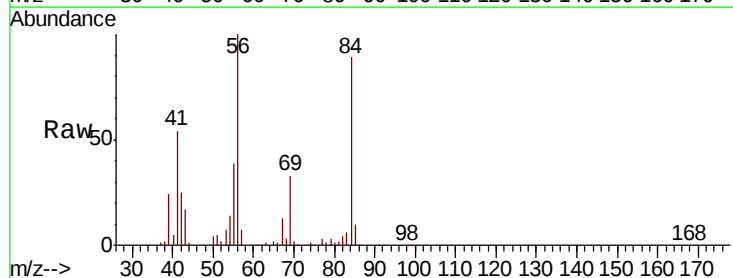
Instrument :
MSVOA_U
ClientSampled :

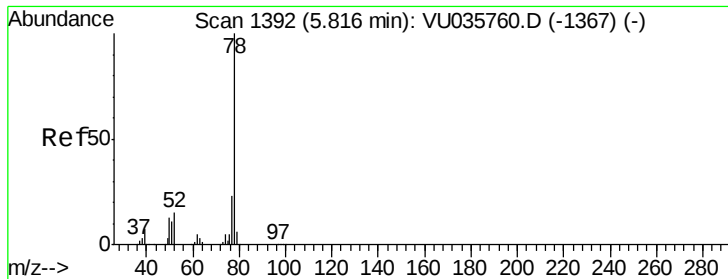
Tot Ion: 83 Resp: 10334
Ion Ratio Lower Upper
83 100
85 80.7 45.4 84.2



#30
Cyclohexane
Concen: 7.182 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035774.D
Acq: 19 Nov 2019 16:55

Tgt Ion: 56 Resp: 207737
Ion Ratio Lower Upper
56 100
69 35.0 24.6 37.0
84 84.1 69.7 104.5

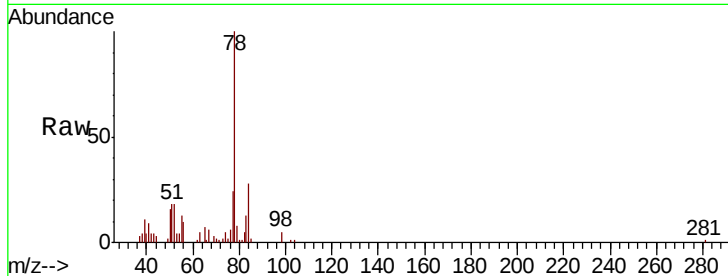




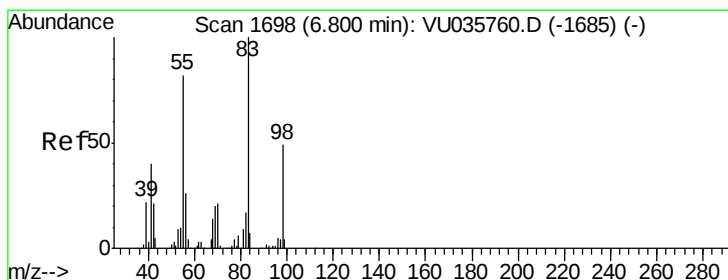
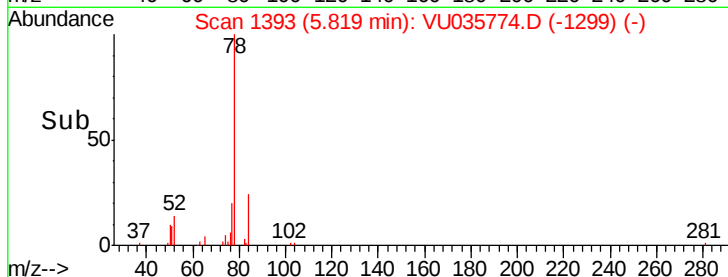
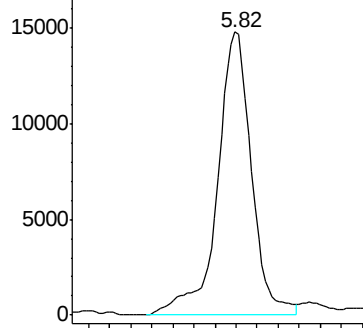
#33
Benzene
Concen: 0.430 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035774.D
Acq: 19 Nov 2019 16:55

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 33282

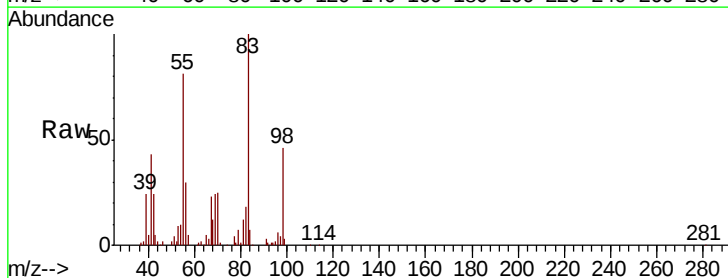


Abundance Ion 78.10 (77.80 to 78.80): VU0



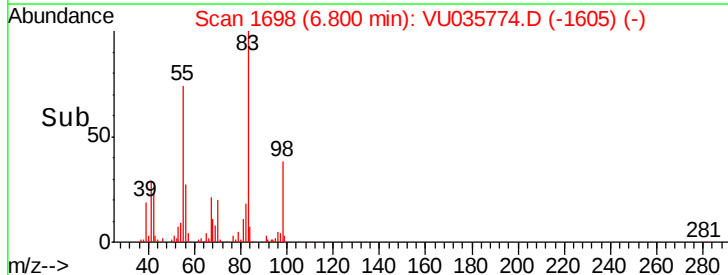
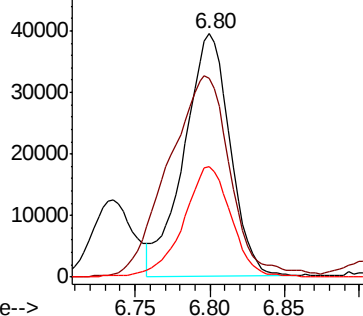
#35
Methylcyclohexane
Concen: 2.775 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VU035774.D
Acq: 19 Nov 2019 16:55

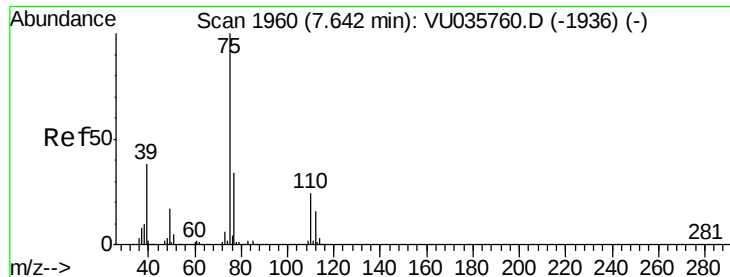
Tgt Ion: 83 Resp: 83691
Ion Ratio Lower Upper
83 100
55 112.8 62.6 93.8#
98 48.1 37.2 55.8



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

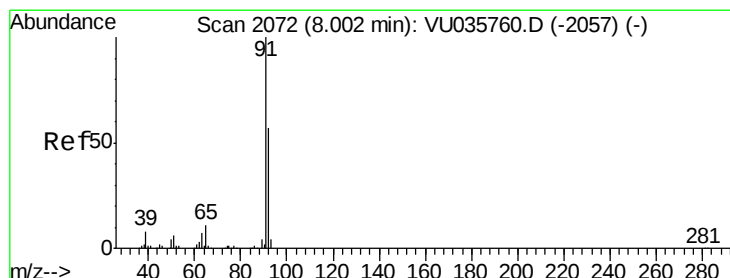
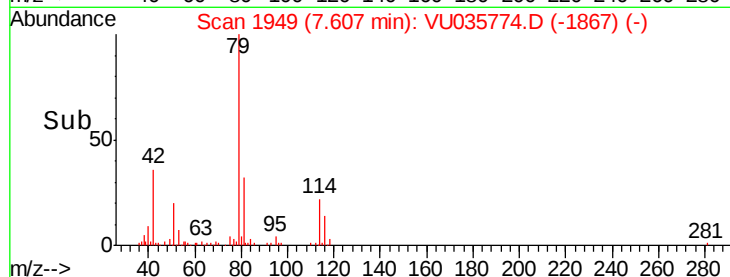
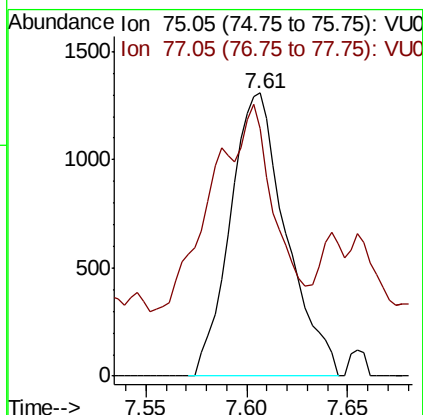
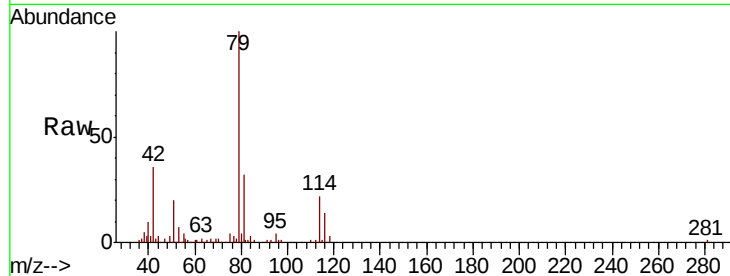




#39
 cis-1,3-Dichloropropene
 Concen: 0.087 ug/L
 RT: 7.61 min Scan# 1949
 Delta R.T. -0.04 min
 Lab File: VU035774.D
 Acq: 19 Nov 2019 16:55

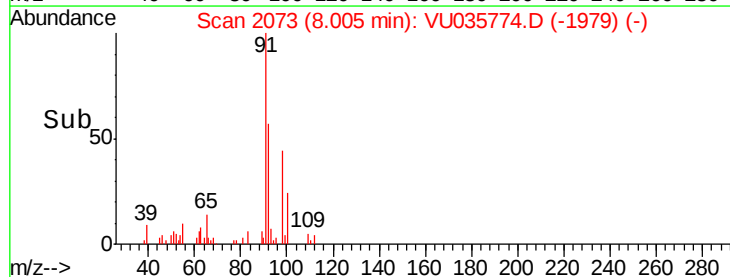
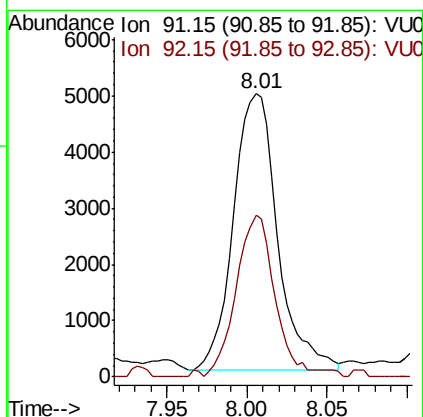
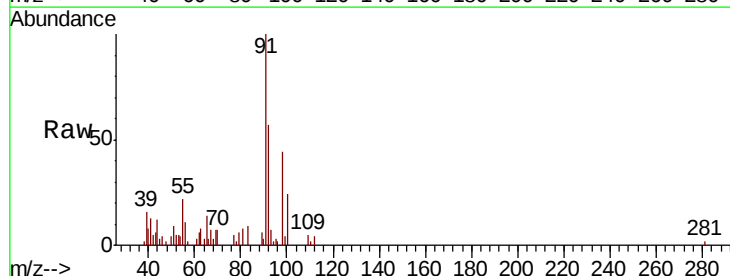
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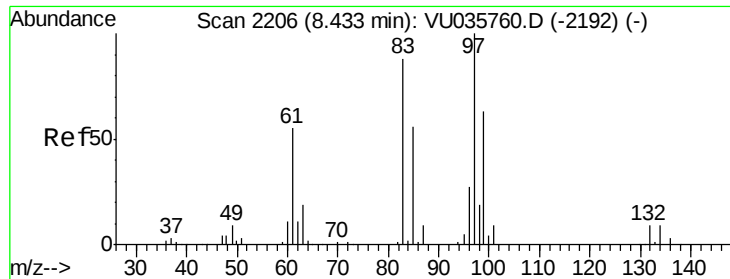
Tot Ion: 75 Resp: 2532
 Ion Ratio Lower Upper
 75 100
 77 87.5 22.5 41.7#



#42
 Toluene
 Concen: 0.114 ug/L
 RT: 8.01 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VU035774.D
 Acq: 19 Nov 2019 16:55

Tgt Ion: 91 Resp: 9276
 Ion Ratio Lower Upper
 91 100
 92 57.0 40.5 75.3





#45

1,1,2-Trichloroethane

Concen: 0.879 ug/L

RT: 8.40 min Scan# 2196

Delta R.T. -0.03 min

Lab File: VU035774.D

Acq: 19 Nov 2019 16:55

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 97 Resp: 12827

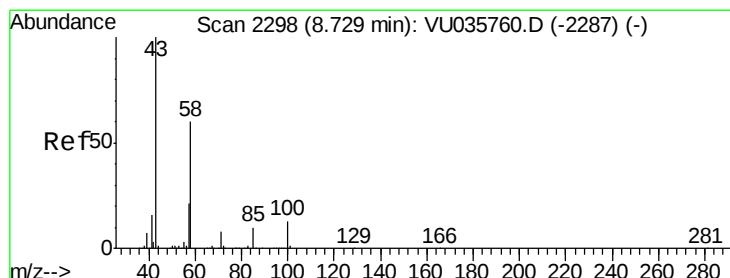
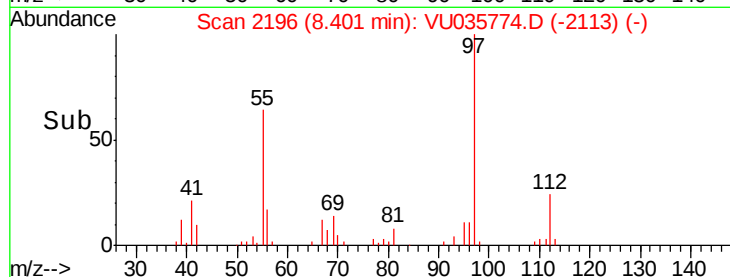
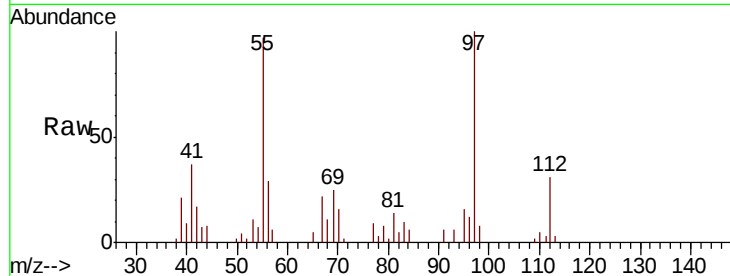
Ion Ratio Lower Upper

97 100

99 0.0 43.8 81.4#

83 9.6 61.6 114.4#

85 0.0 40.0 74.4#



#48

2-Hexanone

Concen: 2.383 ug/L

RT: 8.73 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VU035774.D

Acq: 19 Nov 2019 16:55

Tgt Ion: 43 Resp: 19848

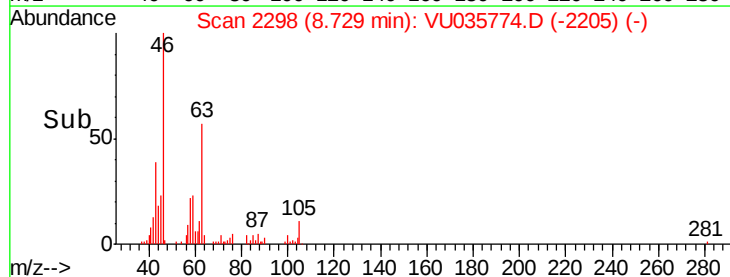
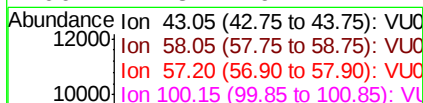
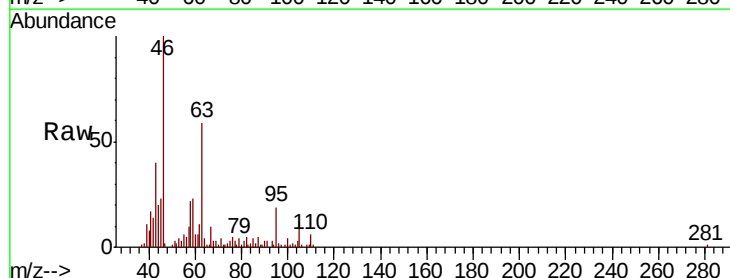
Ion Ratio Lower Upper

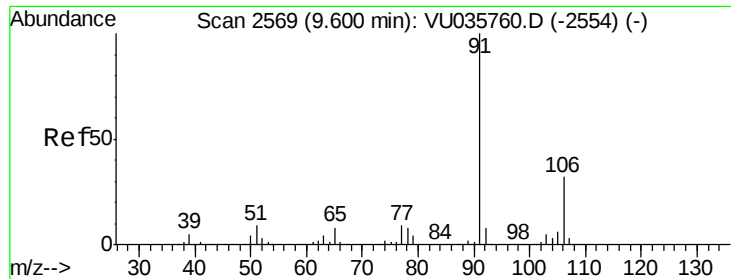
43 100

58 55.1 44.1 66.1

57 17.4 15.1 22.7

100 11.3 9.4 14.2

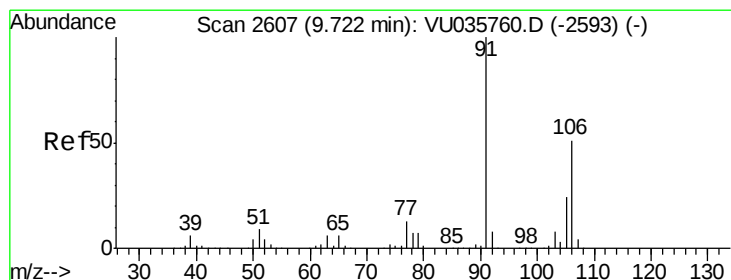
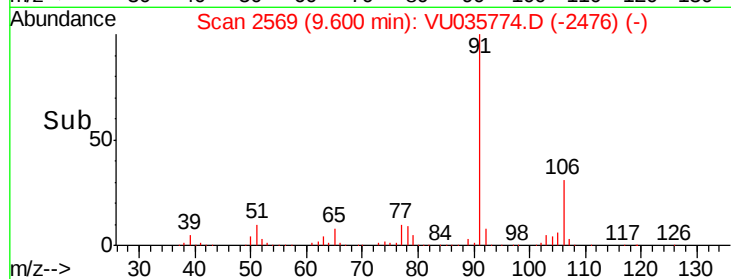
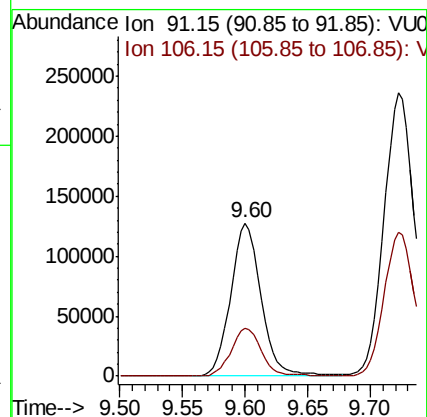
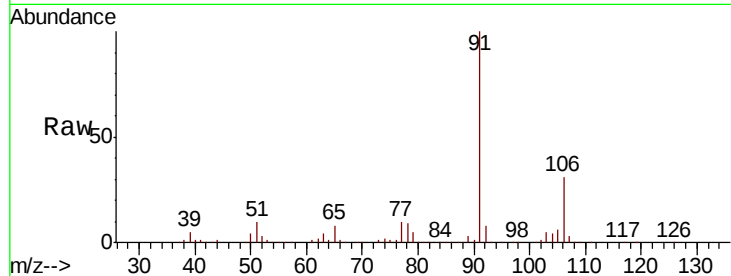




#52
Ethylbenzene
Concen: 2.481 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035774.D
Acq: 19 Nov 2019 16:55

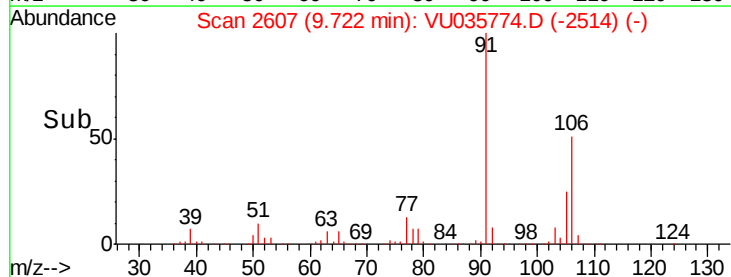
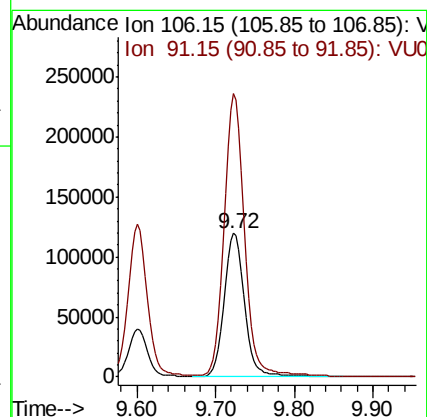
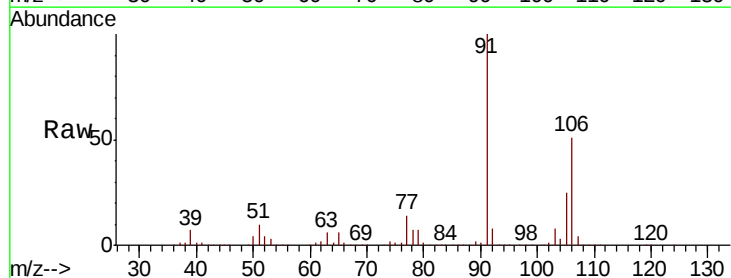
Instrument :
MSVOA_U
ClientSampleId :

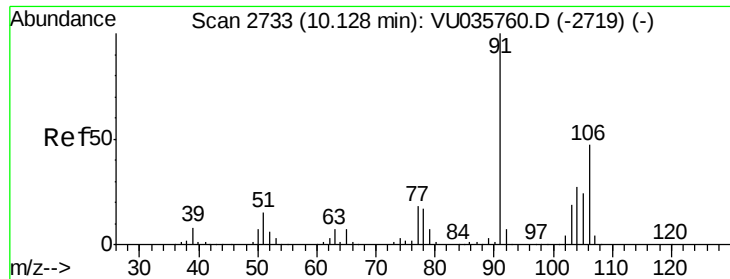
Tot Ion: 91 Resp: 212472
Ion Ratio Lower Upper
91 100
106 31.4 22.4 41.6



#53
m,p-Xylene
Concen: 6.628 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU035774.D
Acq: 19 Nov 2019 16:55

Tgt Ion: 106 Resp: 214927
Ion Ratio Lower Upper
106 100
91 197.0 139.4 259.0

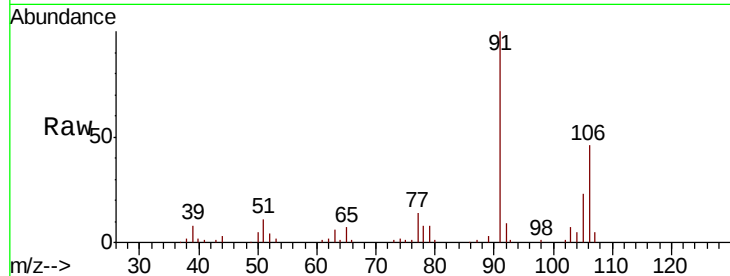




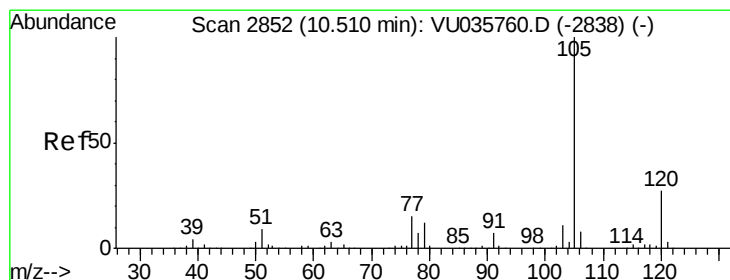
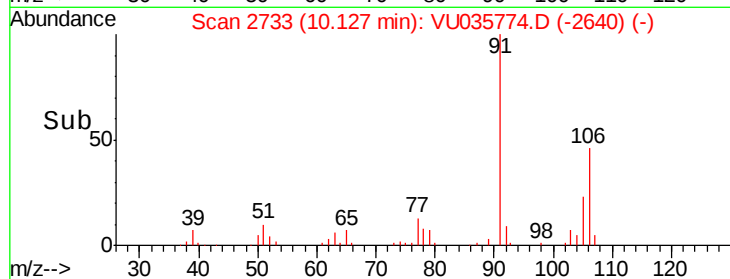
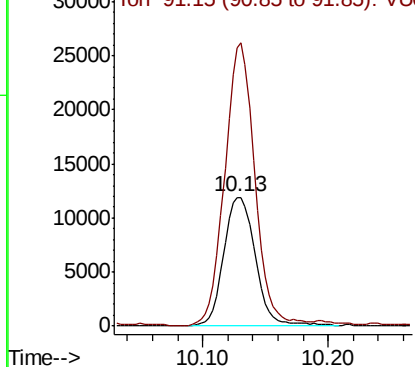
#54
o-Xylene
Concen: 0.667 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU035774.D
Acq: 19 Nov 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 20902
Ion Ratio Lower Upper
106 100
91 216.2 147.7 274.3

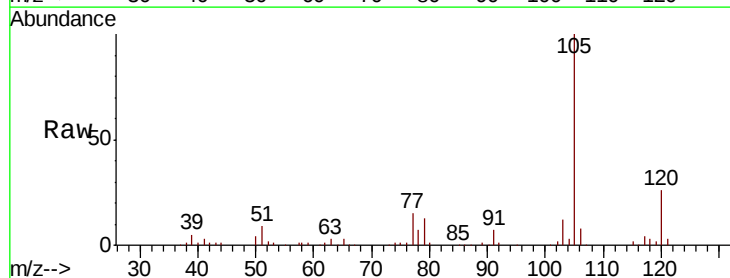


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

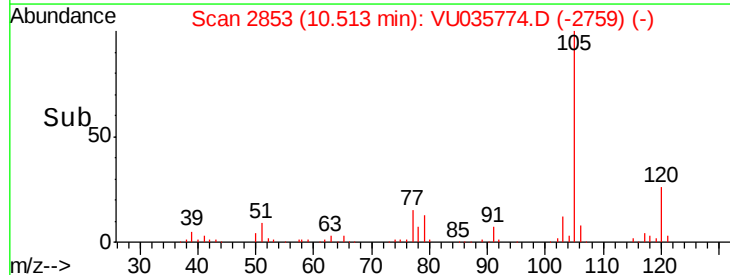
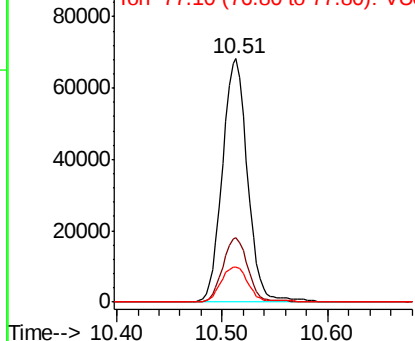


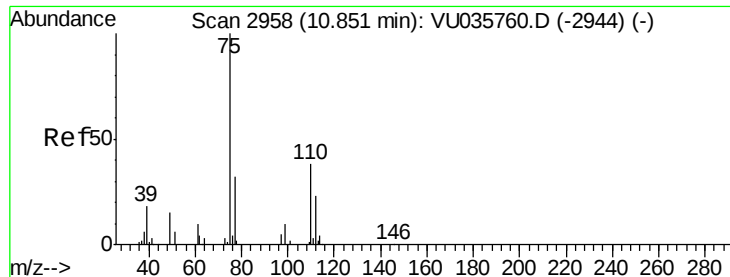
#56
Isopropylbenzene
Concen: 1.362 ug/L
RT: 10.51 min Scan# 2853
Delta R.T. 0.00 min
Lab File: VU035774.D
Acq: 19 Nov 2019 16:55

Tgt Ion:105 Resp: 112681
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.2
77 15.6 11.8 17.8



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VU0





#59

1,2,3-Trichloropropane

Concen: 0.271 ug/L

RT: 10.93 min Scan# 2984

Delta R.T. 0.08 min

Lab File: VU035774.D

Acq: 19 Nov 2019 16:55

Instrument :

MSVOA_U

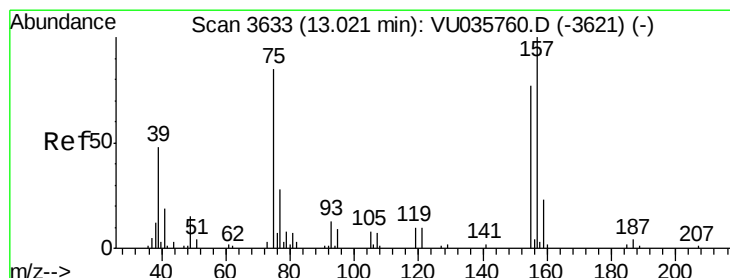
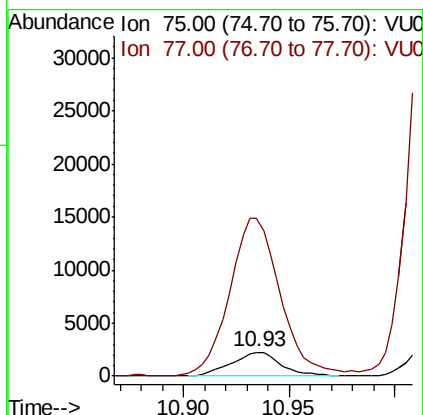
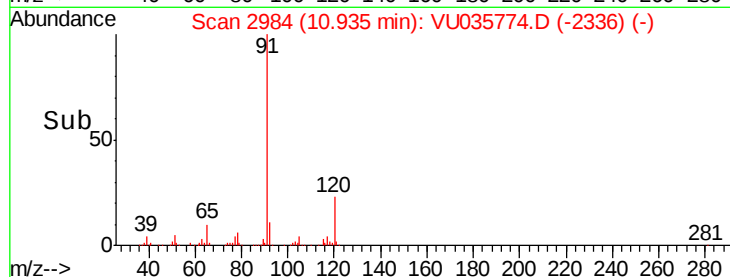
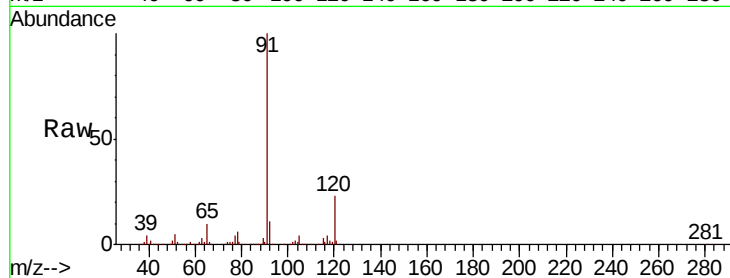
ClientSampleId :

Tot Ion: 75 Resp: 3659

Ion Ratio Lower Upper

75 100

77 684.1 26.8 40.2#



#66

1,2-Dibromo-3-chloropropane

Concen: 0.594 ug/L

RT: 13.05 min Scan# 3641

Delta R.T. 0.03 min

Lab File: VU035774.D

Acq: 19 Nov 2019 16:55

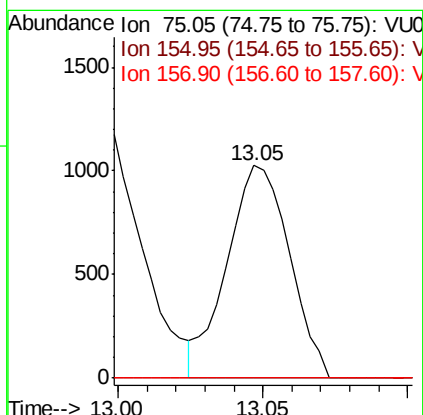
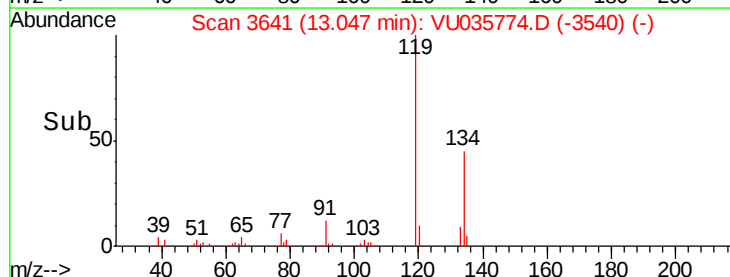
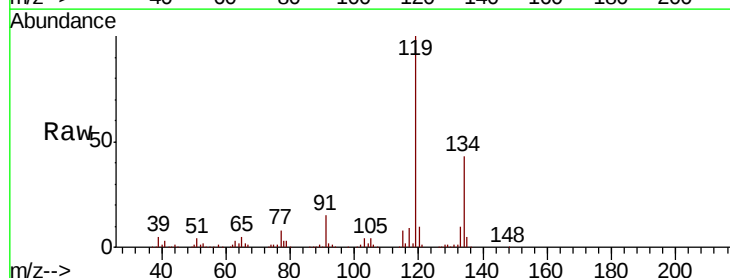
Tgt Ion: 75 Resp: 1536

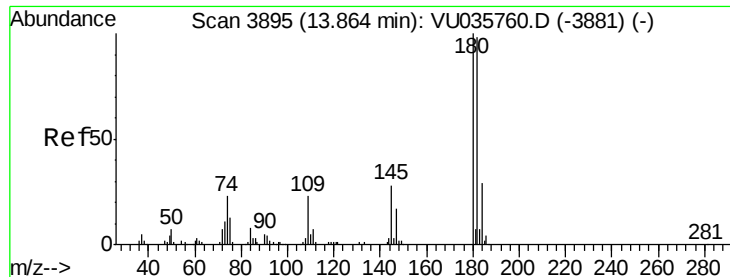
Ion Ratio Lower Upper

75 100

155 0.0 73.3 109.9#

157 0.0 102.2 153.4#

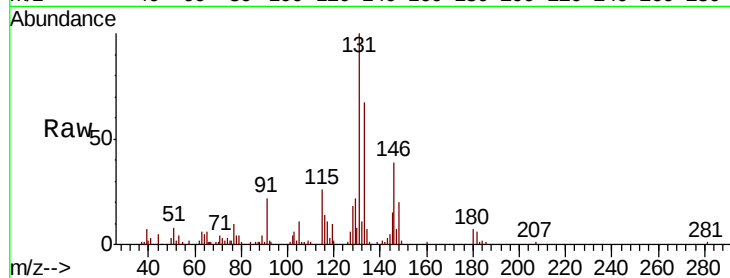




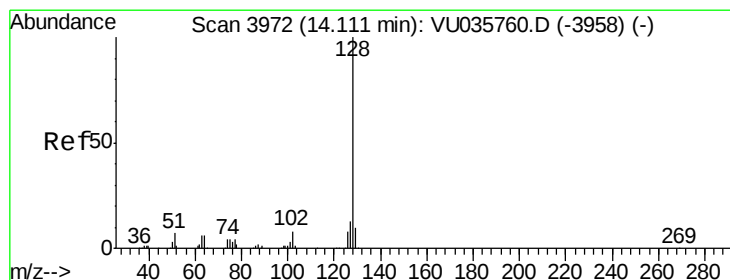
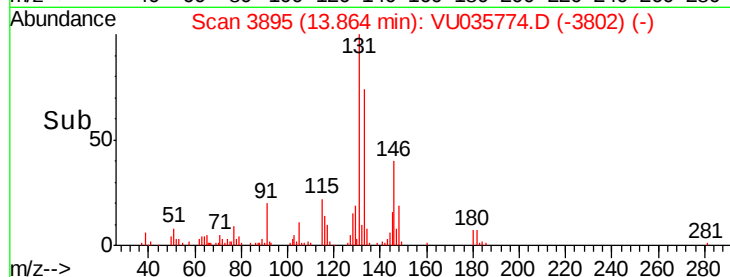
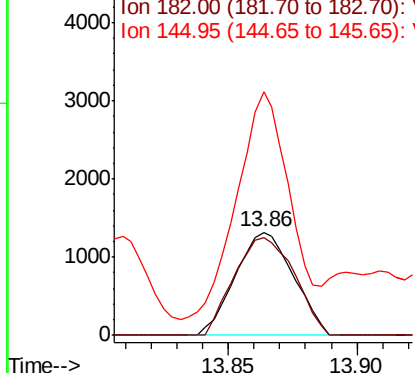
#68
 1,2,4-trichlorobenzene
 Concen: 0.123 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035774.D
 Acq: 19 Nov 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 2074
 Ion Ratio Lower Upper
 180 100
 182 98.6 77.4 116.2
 145 201.4 22.2 33.4#

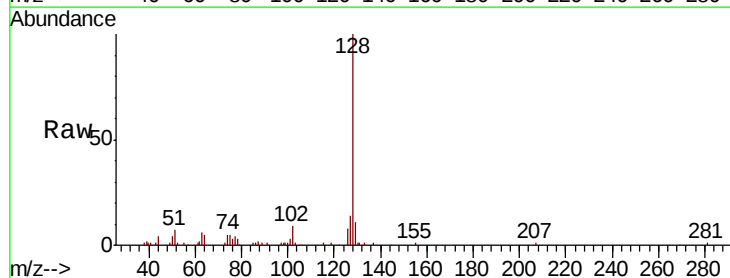


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

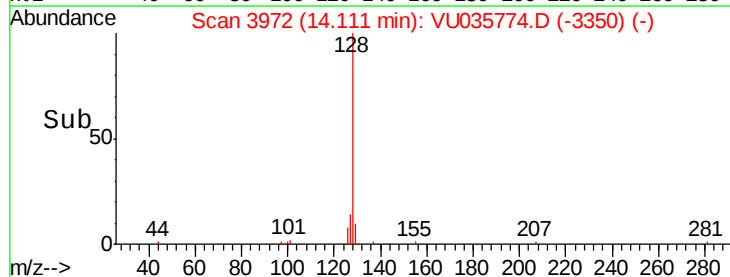
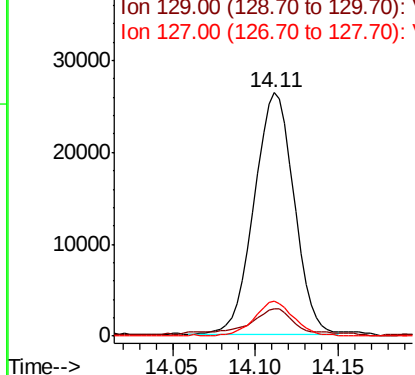


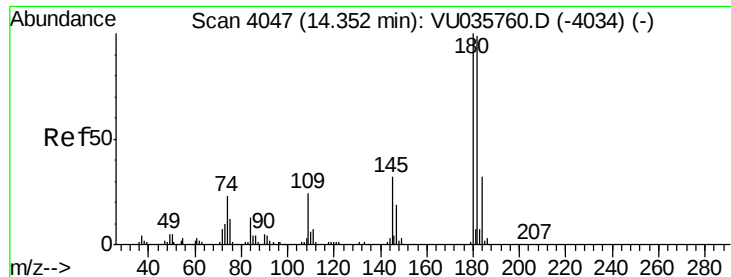
#69
 Naphthalene
 Concen: 2.114 ug/L
 RT: 14.11 min Scan# 3972
 Delta R.T. -0.00 min
 Lab File: VU035774.D
 Acq: 19 Nov 2019 16:55

Tgt Ion:128 Resp: 43782
 Ion Ratio Lower Upper
 128 100
 129 12.3 8.1 12.1#
 127 14.5 11.0 16.4



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: 0.136 ug/L
 RT: 14.35 min Scan# 4047
 Delta R.T. -0.00 min
 Lab File: VU035774.D
 Acq: 19 Nov 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 2214
 Ion Ratio Lower Upper
 180 100
 182 101.5 74.8 112.2
 145 143.4 23.6 35.4#

