

Data File : VU034755.D
Acq On : 24 Sep 2019 00:03
Operator : JC/SP
Sample : K4932-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDK0

Quant Time: Sep 24 03:43:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	525710	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	492786	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	239585	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	209338	38.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.80%
7) Chloroethane-d5	1.67	69	175016	42.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.16%
11) 1,1-Dichloroethene-d2	2.26	63	297771	32.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.34%
21) 2-Butanone-d5	4.15	46	457085	110.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.81%
24) Chloroform-d	4.62	84	370320	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
26) 1,2-Dichloroethane-d4	5.29	65	274207	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
32) Benzene-d6	5.32	84	754835	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.84%
36) 1,2-Dichloropropane-d6	6.31	67	267787	50.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.32%
41) Toluene-d8	7.54	98	716929	49.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.68%
43) trans-1,3-Dichloropropene-	7.83	79	116821	45.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.38%
47) 2-Hexanone-d5	8.29	63	304019	113.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.38%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	357473	48.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.52%
64) 1,2-Dichlorobenzene-d4	11.84	152	257426	51.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.48%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2571	0.717 ug/L #	24
13) Acetone	2.31	43	203526	42.418 ug/L	100
15) Methyl Acetate	2.61	43	6032	0.941 ug/L #	77
16) Methylene chloride	2.68	84	64831	14.880 ug/L	93
22) 2-Butanone	4.24	43	57954	10.153 ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	29755	3.063 ug/L	99
42) Toluene	7.62	91	44236	2.395 ug/L	91
44) trans-1,3-Dichloropropene	7.83	75	6795	0.986 ug/L	97
48) 2-Hexanone	8.40	43	103665	13.661 ug/L #	1
51) Chlorobenzene	9.10	112	16763	1.493 ug/L	97
52) Ethylbenzene	9.23	91	93781	4.509 ug/L	98
53) m,p-Xylene	9.35	106	64108	8.702 ug/L	97
54) o-xylene	9.76	106	53590	7.355 ug/L	100
56) Isopropylbenzene	10.14	105	54938	2.796 ug/L	97
63) 1,4-Dichlorobenzene	11.48	146	7440	0.880 ug/L	90
65) 1,2-Dichlorobenzene	11.85	146	26237	3.130 ug/L	98
69) Naphthalene	13.72	128	2804136	185.289 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Quantitation Report (Not Reviewed)

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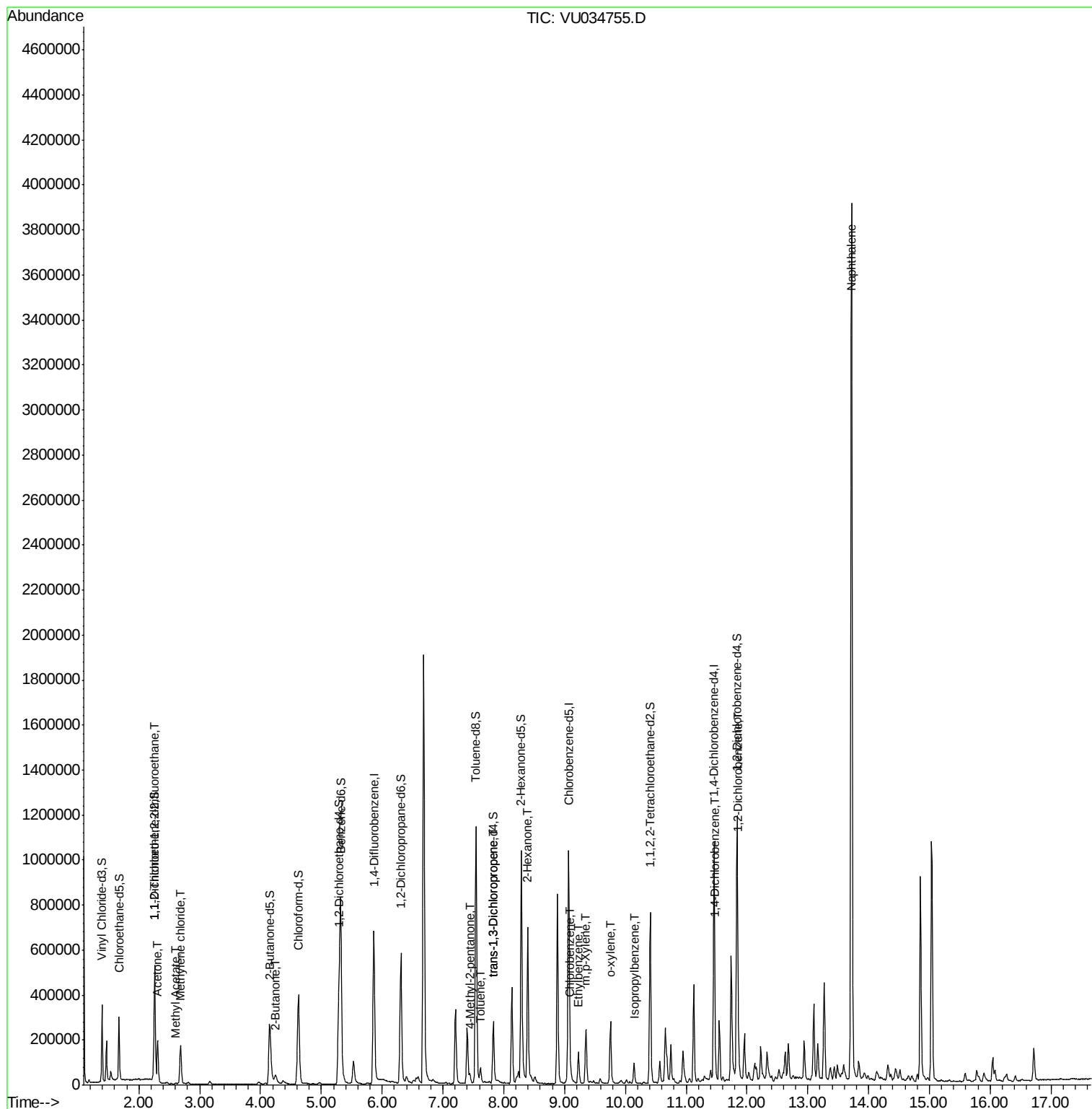
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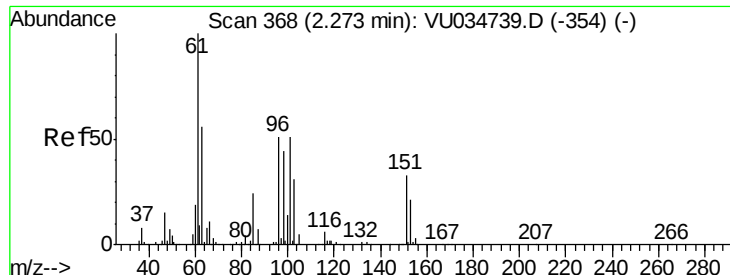
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.717 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU034755.D

Acq: 24 Sep 2019 00:03

Instrument :

MSVOA_U

ClientSampleId :

BFDK0

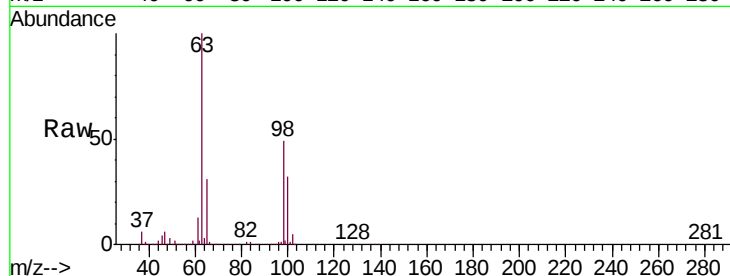
Tgt Ion:101 Resp: 2571

Ion Ratio Lower Upper

101 100

85 3.5 39.0 58.4#

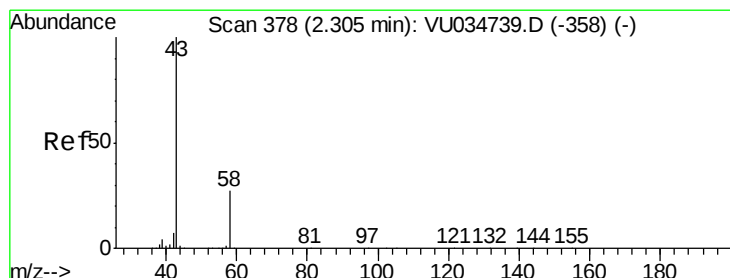
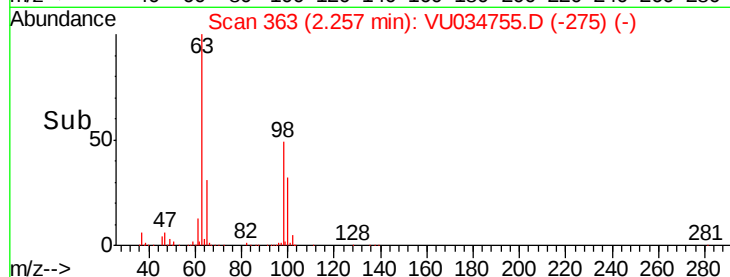
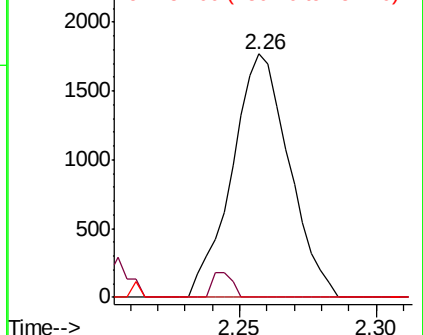
151 0.0 52.8 79.2#



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: 42.418 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034755.D

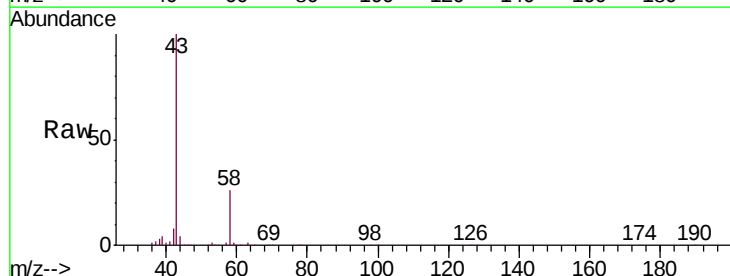
Acq: 24 Sep 2019 00:03

Tgt Ion: 43 Resp: 203526

Ion Ratio Lower Upper

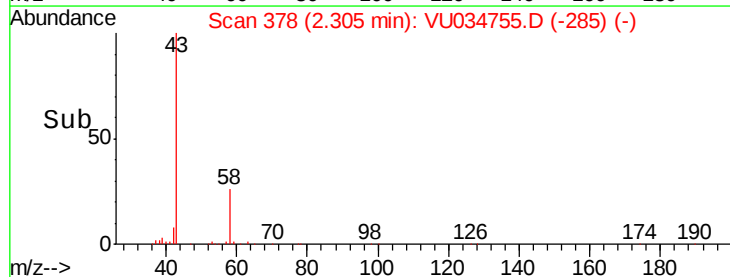
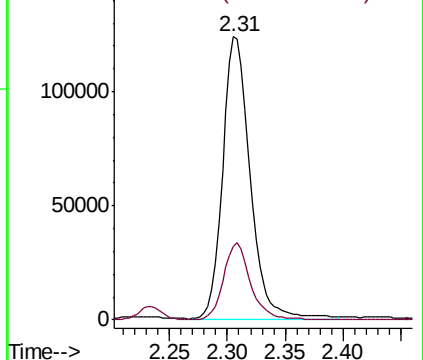
43 100

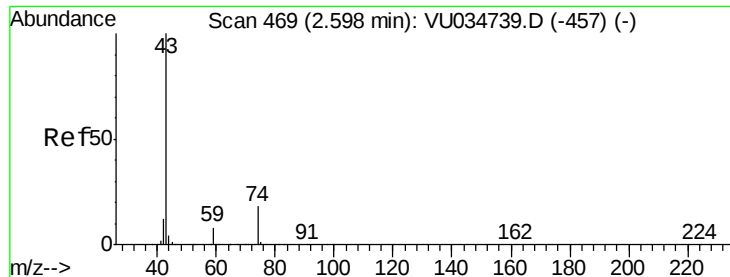
58 26.9 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

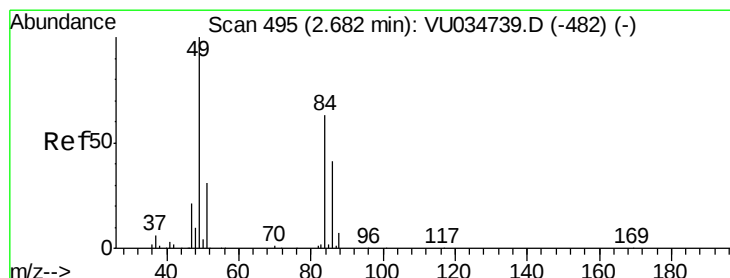
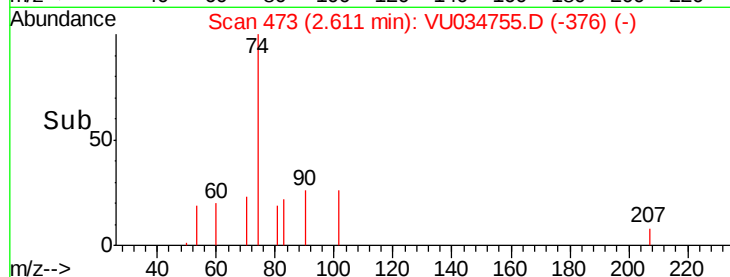
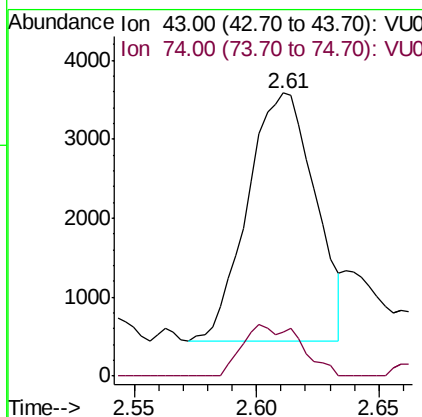
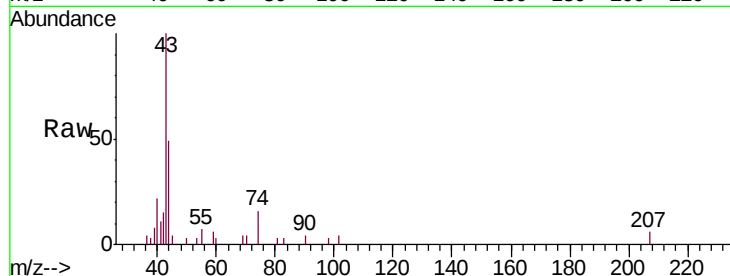




#15
Methyl Acetate
Concen: 0.941 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.01 min
Lab File: VU034755.D
Acq: 24 Sep 2019 00:03

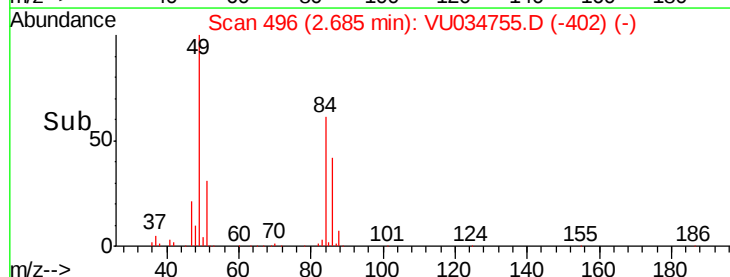
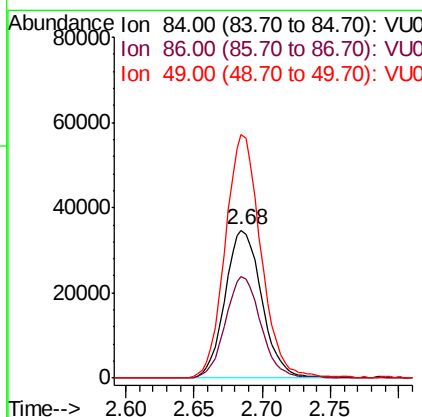
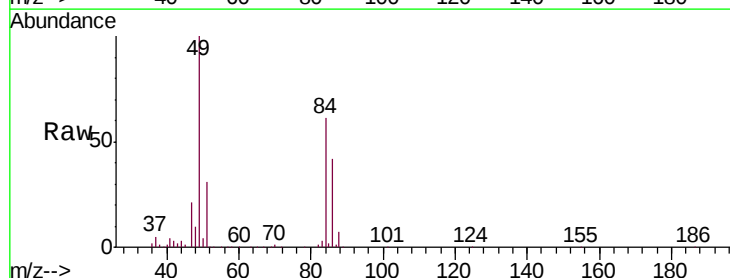
Instrument :
MSVOA_U
ClientSampled :
BFDK0

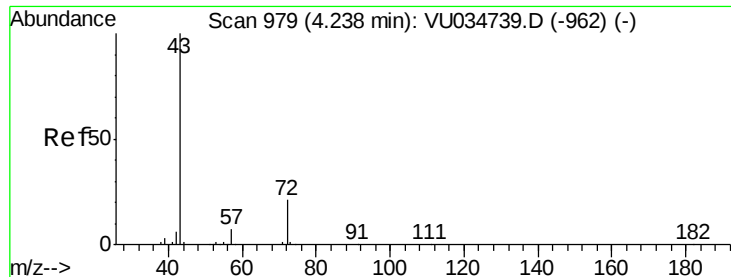
Tgt Ion: 43 Resp: 6032
Ion Ratio Lower Upper
43 100
74 7.6 14.4 21.6#



#16
Methylene chloride
Concen: 14.880 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034755.D
Acq: 24 Sep 2019 00:03

Tgt Ion: 84 Resp: 64831
Ion Ratio Lower Upper
84 100
86 68.9 43.0 80.0
49 164.9 109.7 203.7





#22

2-Butanone

Concen: 10.153 ug/L

RT: 4.24 min Scan# 981

Delta R.T. 0.01 min

Lab File: VU034755.D

Acq: 24 Sep 2019 00:03

Instrument :

MSVOA_U

ClientSampleId :

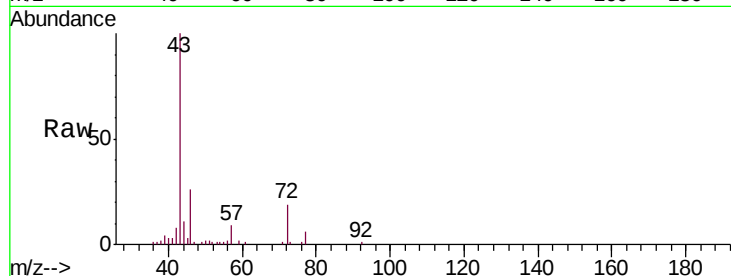
BFDK0

Tgt Ion: 43 Resp: 57954

Ion Ratio Lower Upper

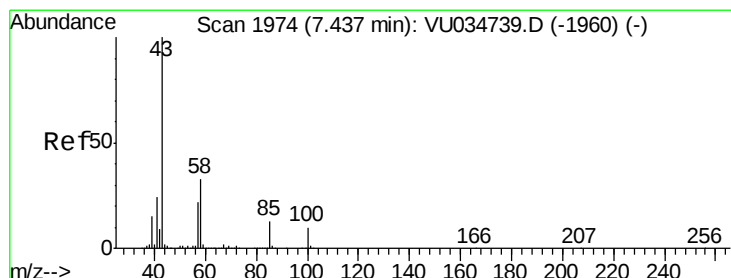
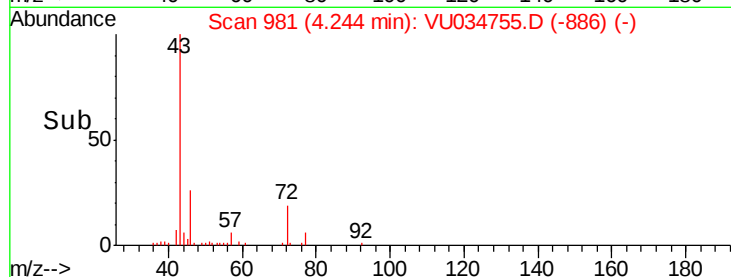
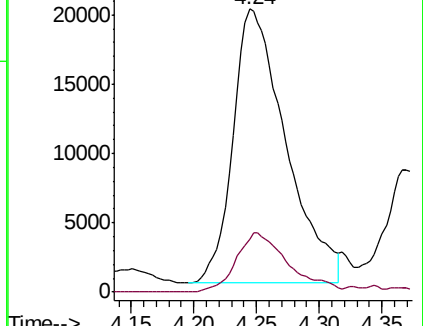
43 100

72 20.2 10.2 30.6



Abundance Ion 43.00 (42.70 to 43.70): VU034739.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034739.D (-962) (-)



#40

4-Methyl-2-pentanone

Concen: 3.063 ug/L

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034755.D

Acq: 24 Sep 2019 00:03

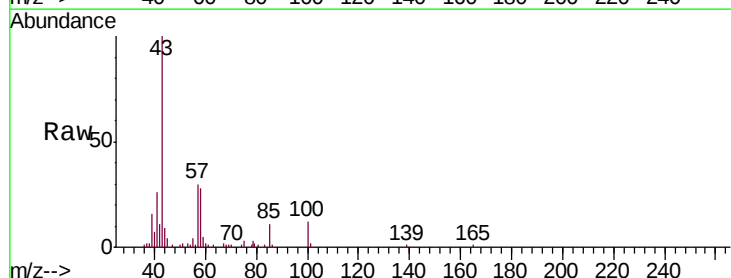
Tgt Ion: 43 Resp: 29755

Ion Ratio Lower Upper

43 100

58 31.4 25.2 37.8

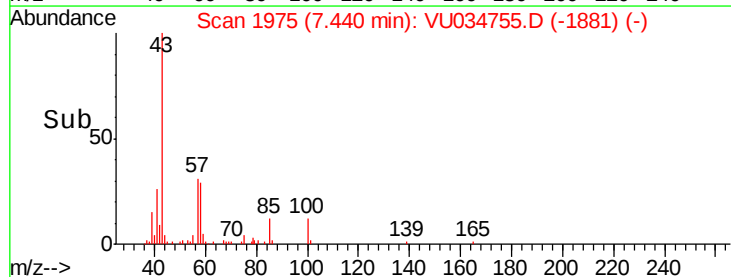
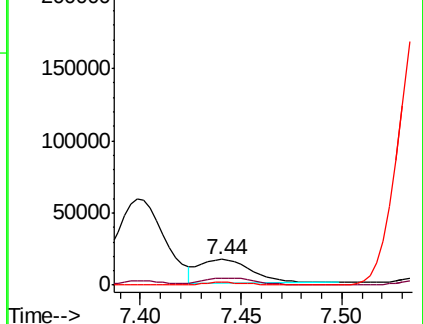
100 10.4 7.7 11.5

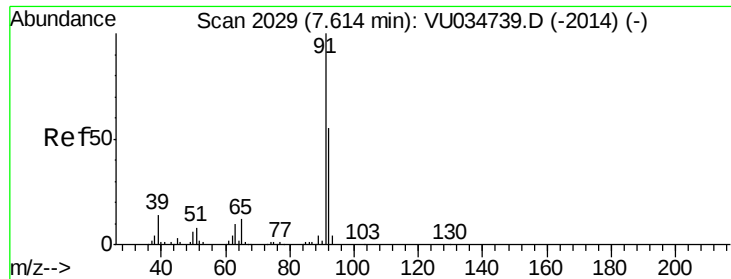


Abundance Ion 43.00 (42.70 to 43.70): VU034739.D (-1960) (-)

Ion 58.00 (57.70 to 58.70): VU034739.D (-1960) (-)

Ion 100.00 (99.70 to 100.70): VU034739.D (-1960) (-)





#42

Toluene

Concen: 2.395 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034755.D

Acq: 24 Sep 2019 00:03

Instrument :

MSVOA_U

ClientSampled :

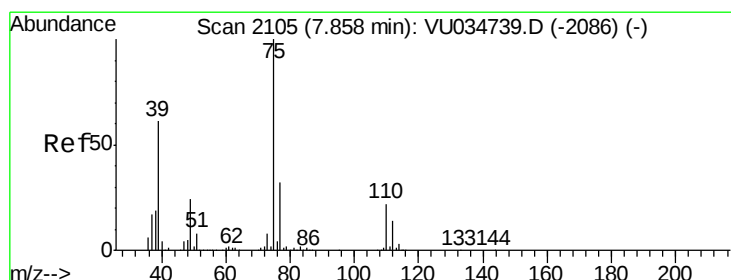
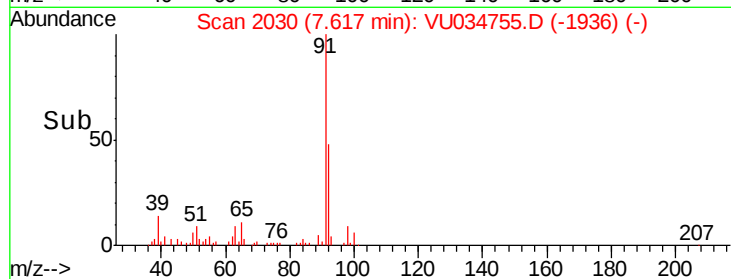
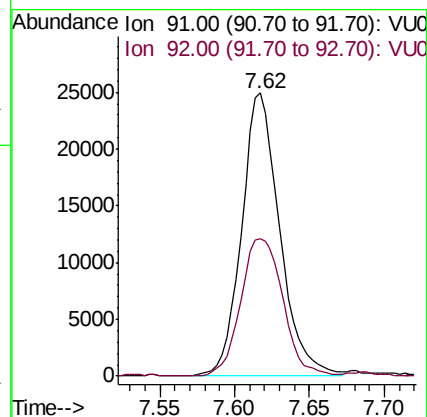
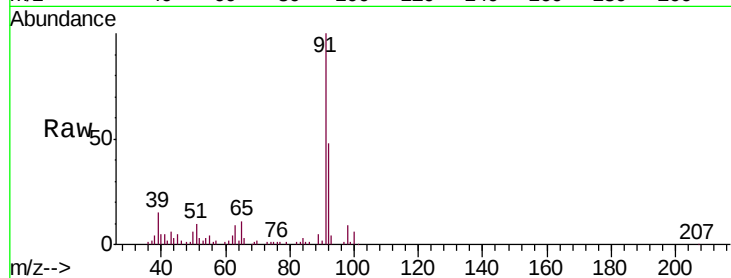
BFDK0

Tgt Ion: 91 Resp: 44236

Ion Ratio Lower Upper

91 100

92 48.4 38.2 71.0



#44

trans-1,3-Dichloropropene

Concen: 0.986 ug/L

RT: 7.83 min Scan# 2095

Delta R.T. -0.03 min

Lab File: VU034755.D

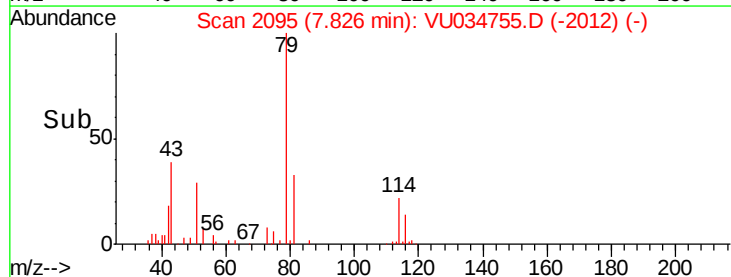
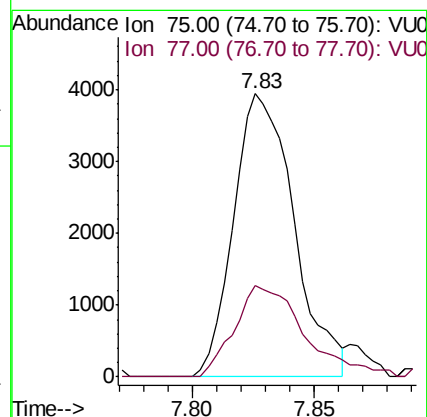
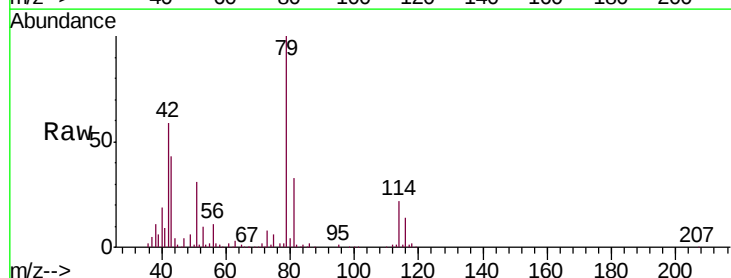
Acq: 24 Sep 2019 00:03

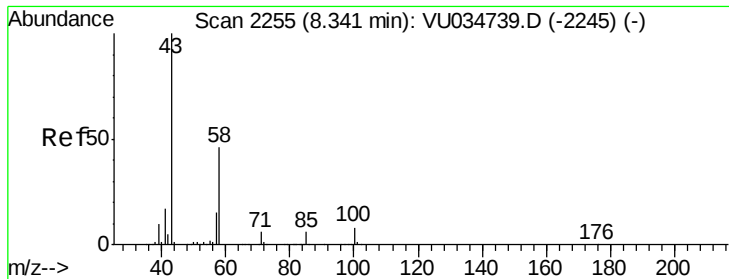
Tgt Ion: 75 Resp: 6795

Ion Ratio Lower Upper

75 100

77 32.2 21.4 39.8

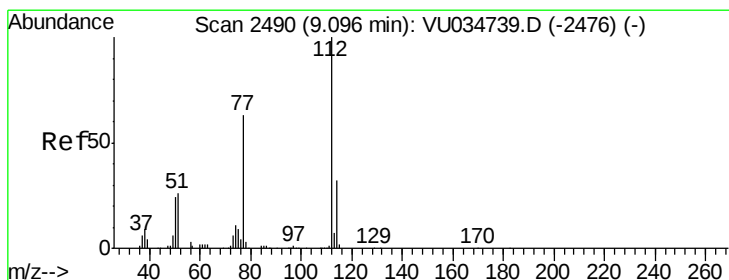
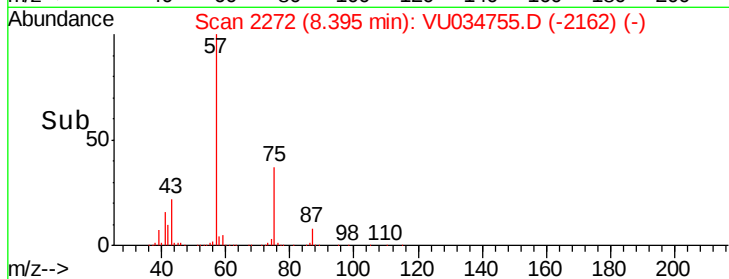
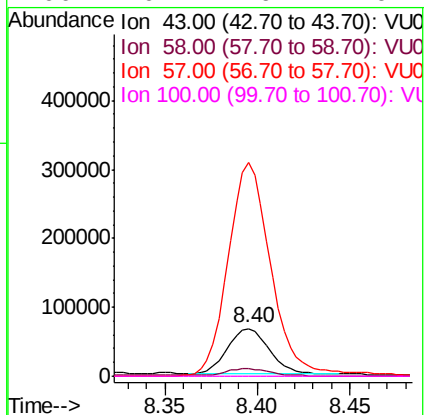
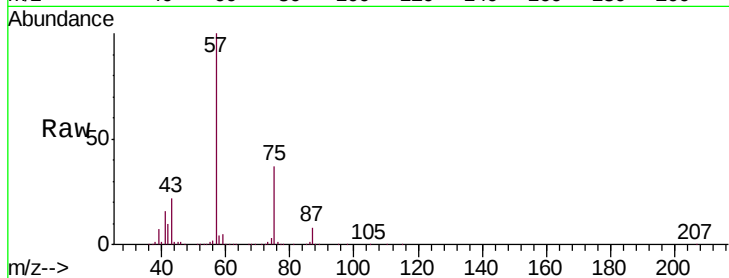




#48
2-Hexanone
Concen: 13.661 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.05 min
Lab File: VU034755.D
Acq: 24 Sep 2019 00:03

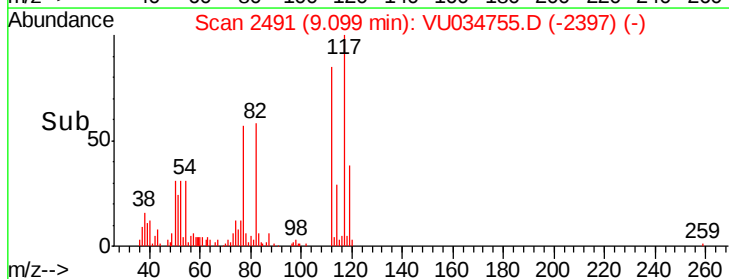
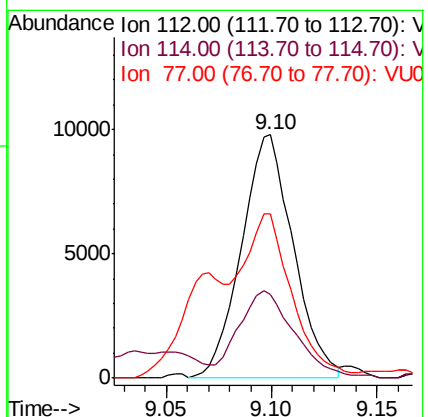
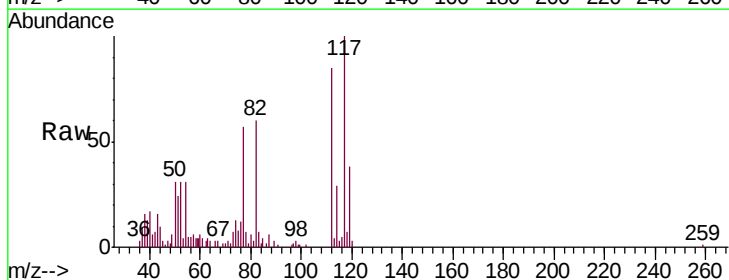
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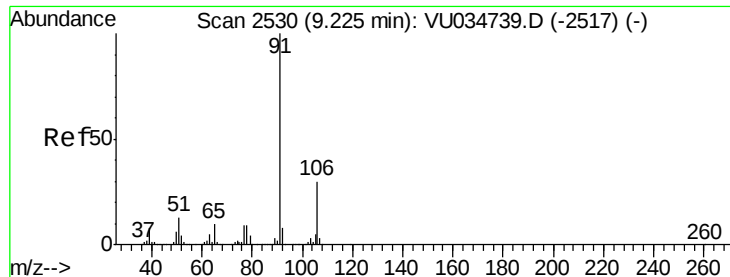
Tgt Ion: 43 Resp: 103665
Ion Ratio Lower Upper
43 100
58 16.7 35.3 52.9#
57 481.2 12.1 18.1#
100 0.1 6.2 9.4#



#51
Chlorobenzene
Concen: 1.493 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034755.D
Acq: 24 Sep 2019 00:03

Tgt Ion: 112 Resp: 16763
Ion Ratio Lower Upper
112 100
114 34.1 22.8 42.4
77 67.3 51.5 77.3





#52

Ethylbenzene

Concen: 4.509 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034755.D

Acq: 24 Sep 2019 00:03

Instrument :

MSVOA_U

ClientSampleId :

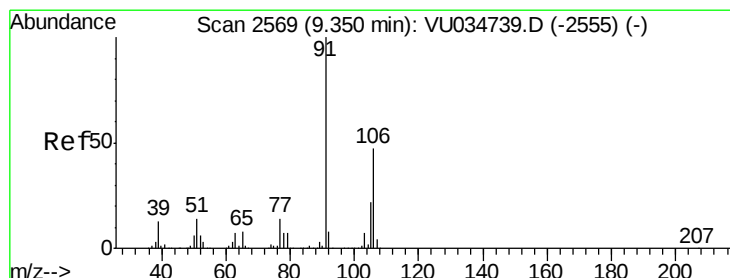
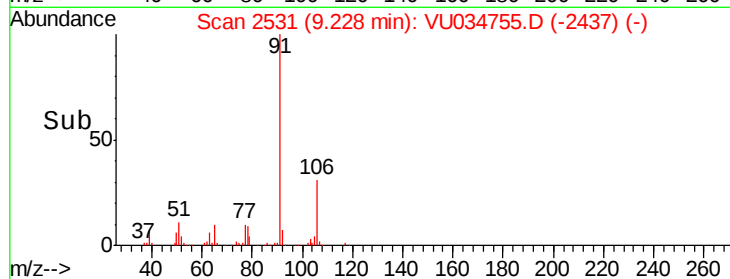
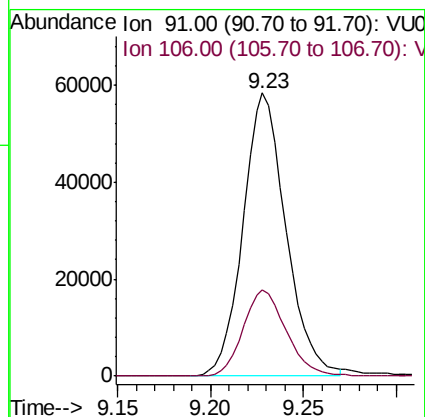
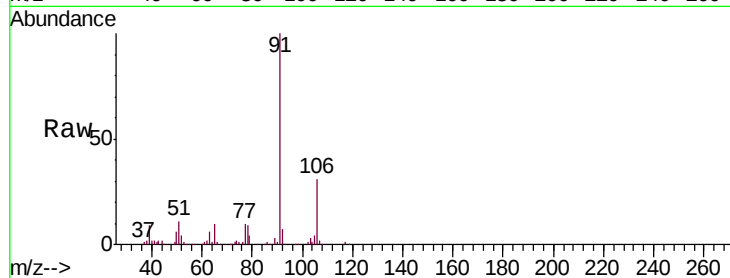
BFDK0

Tgt Ion: 91 Resp: 93781

Ion Ratio Lower Upper

91 100

106 30.5 20.6 38.4



#53

m,p-Xylene

Concen: 8.702 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034755.D

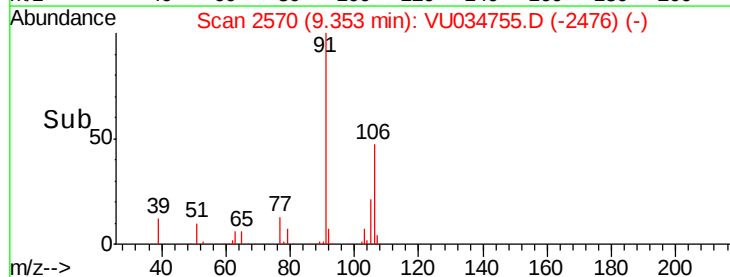
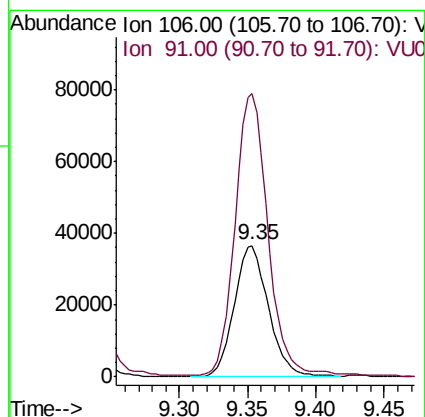
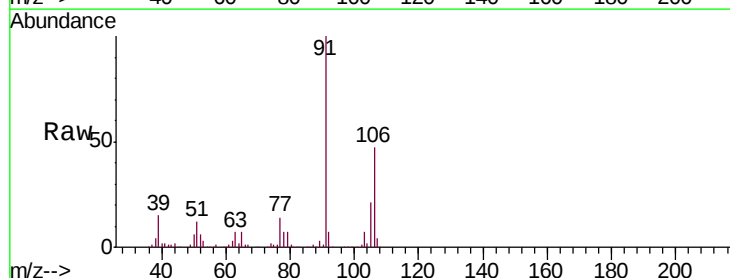
Acq: 24 Sep 2019 00:03

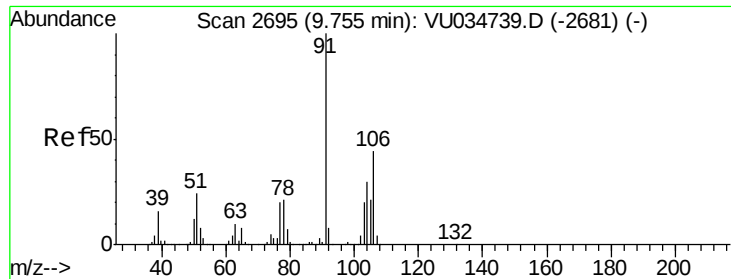
Tgt Ion: 106 Resp: 64108

Ion Ratio Lower Upper

106 100

91 215.0 146.9 272.7





#54

o-xylene

Concen: 7.355 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034755.D

Acq: 24 Sep 2019 00:03

Instrument :

MSVOA_U

ClientSampleId :

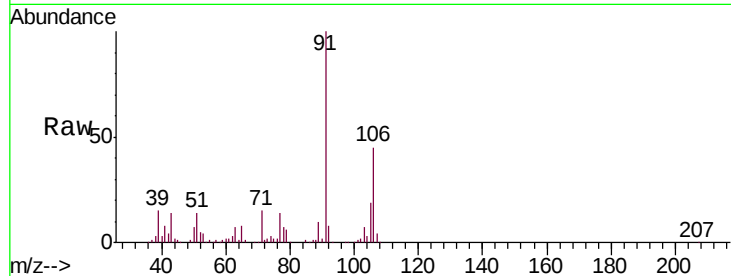
BFDK0

Tgt Ion:106 Resp: 53590

Ion Ratio Lower Upper

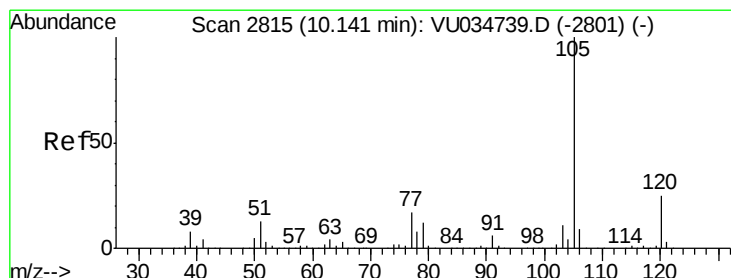
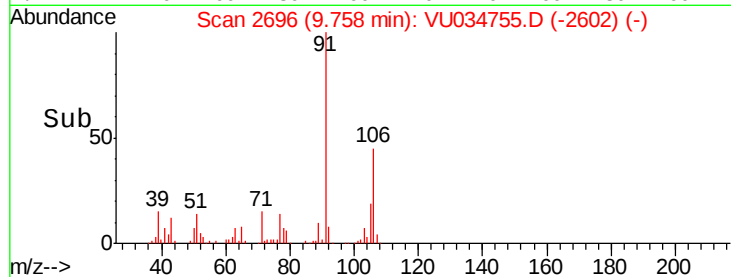
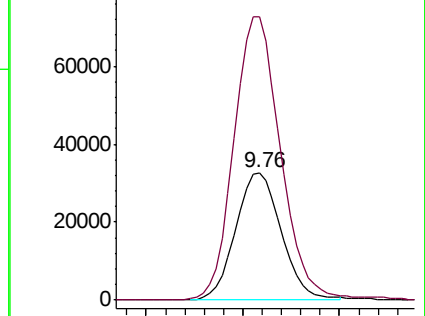
106 100

91 221.9 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 2.796 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034755.D

Acq: 24 Sep 2019 00:03

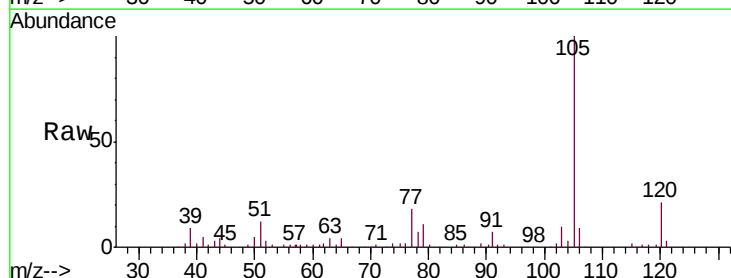
Tgt Ion:105 Resp: 54938

Ion Ratio Lower Upper

105 100

120 23.8 20.4 30.6

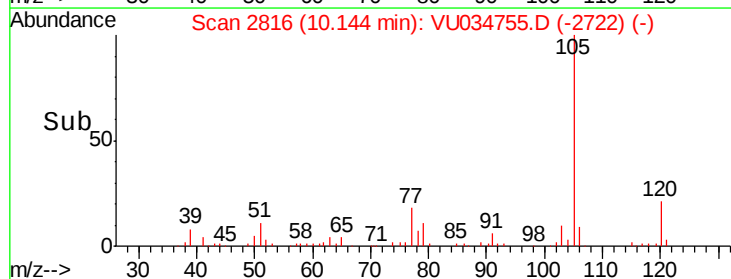
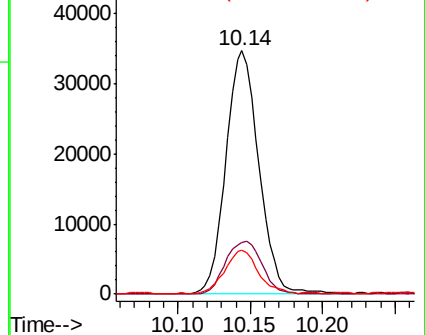
77 18.5 14.2 21.4

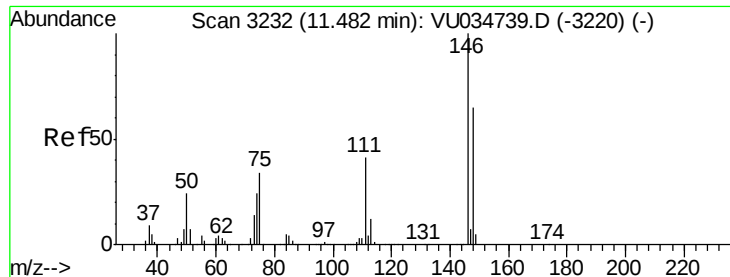


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

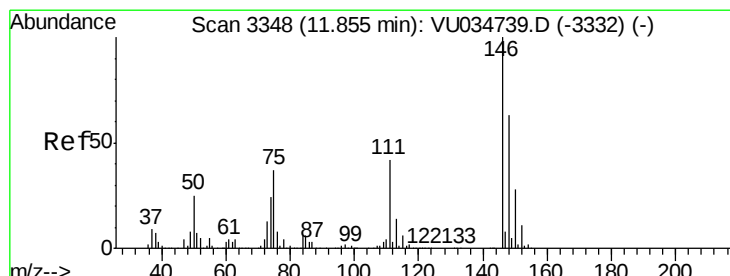
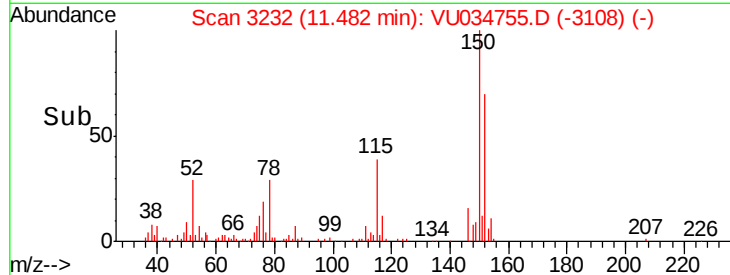
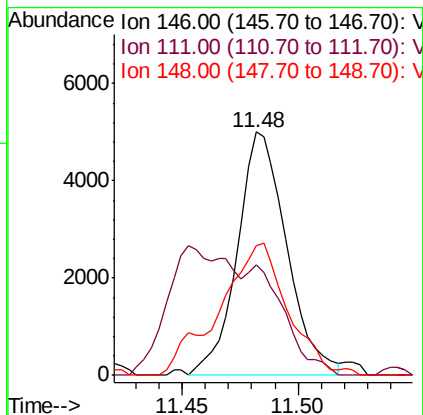
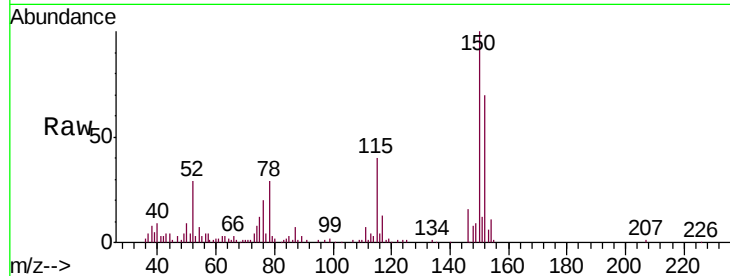




#63
 1,4-Dichlorobenzene
 Concen: 0.880 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. -0.00 min
 Lab File: VU034755.D
 Acq: 24 Sep 2019 00:03

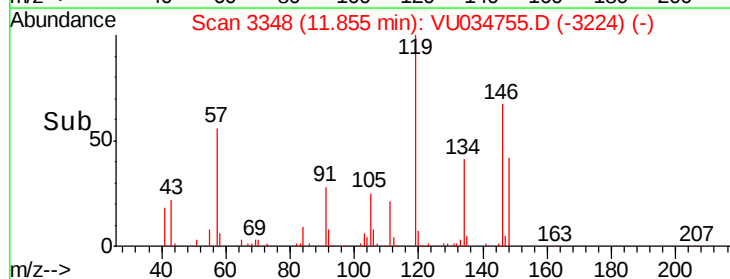
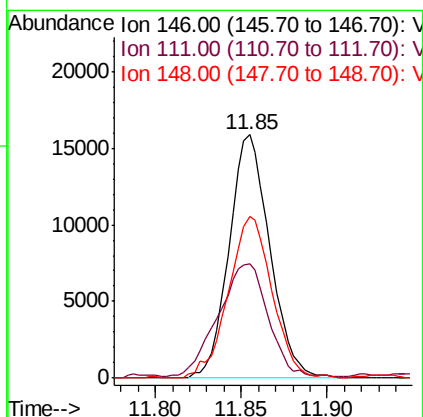
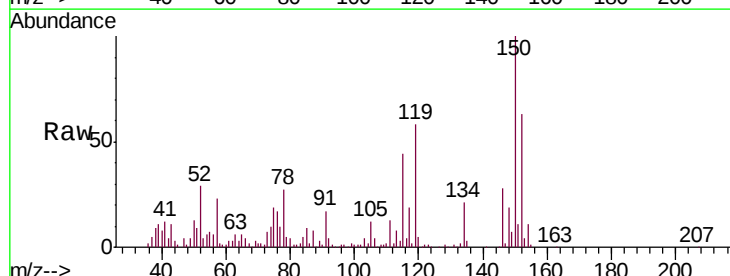
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDK0

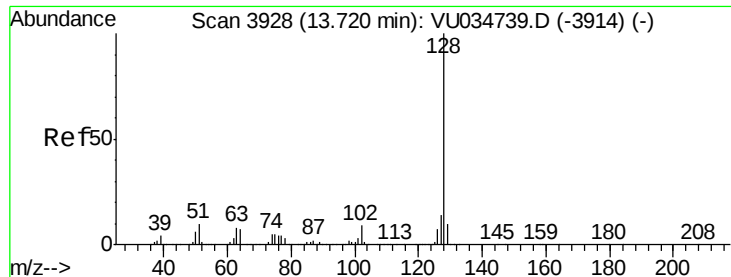
Tgt Ion:146 Resp: 7440
 Ion Ratio Lower Upper
 146 100
 111 45.4 29.5 54.9
 148 53.4 44.4 82.4



#65
 1,2-Dichlorobenzene
 Concen: 3.130 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034755.D
 Acq: 24 Sep 2019 00:03

Tgt Ion:146 Resp: 26237
 Ion Ratio Lower Upper
 146 100
 111 47.0 35.2 52.8
 148 66.6 53.0 79.6





#69

Naphthalene

Concen: 185.289 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034755.D

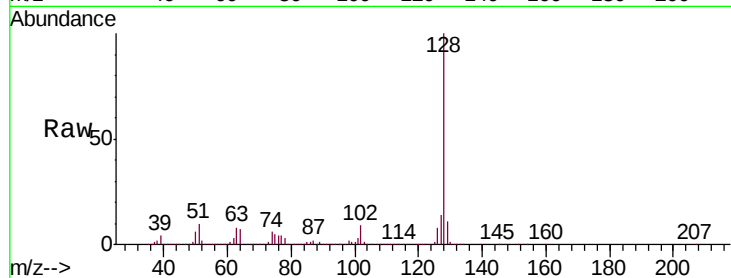
Acq: 24 Sep 2019 00:03

Instrument :

MSVOA_U

ClientSampleId :

BFDK0



Tgt Ion:128 Resp: 2804136

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

129 10.8 8.6 12.8

