

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
 Data File : VU028420.D
 Acq On : 30 Nov 2018 13:59
 Operator : MD/SY
 Sample : J6077-06ME
 Misc : 6.20g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9Y41ME

Quant Time: Dec 01 00:47:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 30 23:11:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	539882	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	528681	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	270979	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	174685	36.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.34%
7) Chloroethane-d5	1.64	69	155087	41.82	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.64%
11) 1,1-Dichloroethene-d2	2.24	63	243659	28.37	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.74%#
21) 2-Butanone-d5	4.19	46	316863	79.93	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.93%
24) Chloroform-d	4.64	84	292695	37.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.12%
26) 1,2-Dichloroethane-d4	5.30	65	202753	38.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.42%
32) Benzene-d6	5.33	84	621449	37.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.52%
36) 1,2-Dichloropropane-d6	6.32	67	229393	38.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.26%
41) Toluene-d8	7.56	98	556943	37.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.68%#
43) trans-1,3-Dichloropropene-	7.85	79	101630	37.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.80%
47) 2-Hexanone-d5	8.32	63	239285	83.42	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	323486	42.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	225345	41.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.70%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	11169	1.601 ug/L	96
6) Bromomethane	1.60	94	1479	0.881 ug/L	76
10) 1,1,2-Trichloro-1,2,2-trif	2.24	101	2151	0.610 ug/L #	24
12) 1,1-Dichloroethene	2.24	96	2027	0.595 ug/L #	1
13) Acetone	2.34	43	5132	1.244 ug/L	97
15) Methyl Acetate	2.60	43	14157	2.320 ug/L #	66
29) Cyclohexane	4.98	56	55454	6.463 ug/L	92
33) Benzene	5.38	78	238797	13.149 ug/L	100
35) Methylcyclohexane	6.41	83	113210	14.977 ug/L	91
42) Toluene	7.63	91	91679	4.960 ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	4286	0.612 ug/L #	43
45) 1,1,2-Trichloroethane	8.04	97	16677	3.983 ug/L #	18
48) 2-Hexanone	8.32	43	54302	7.590 ug/L #	45
52) Ethylbenzene	9.25	91	74009	3.625 ug/L	96
53) m,p-Xylene	9.37	106	59790	8.211 ug/L	99
54) o-xylene	9.78	106	36453	5.054 ug/L	98
56) Isopropylbenzene	10.17	105	13745	0.722 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Fri Nov 30 23:11:27 2018
Response via : Initial Calibration

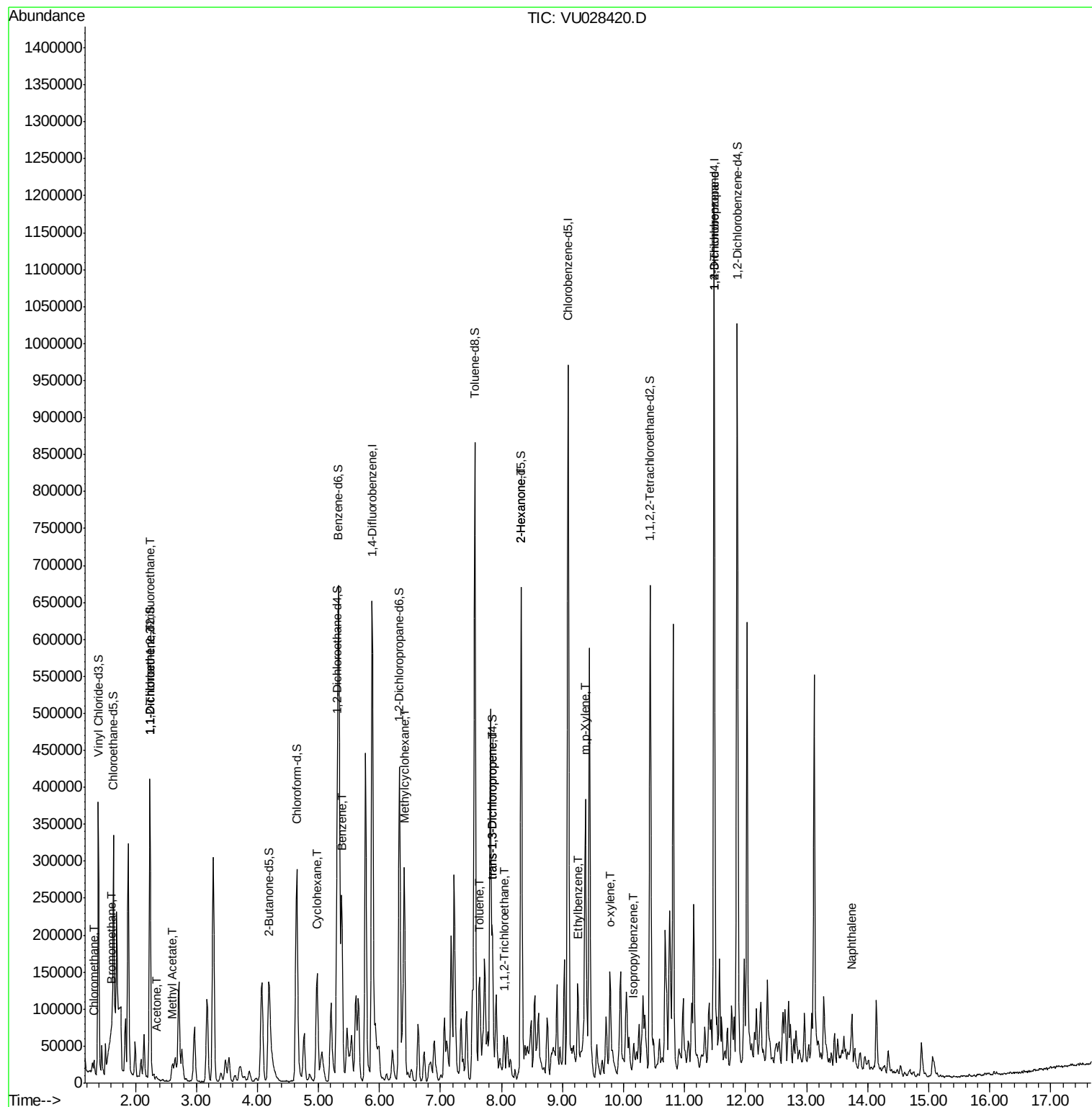
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	40293	6.592	ug/L	91
69) Naphthalene	13.74	128	46796	2.218	ug/L	97

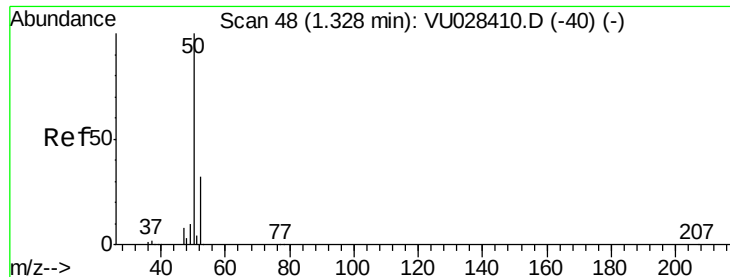
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis
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#3

Chloromethane

Concen: 1.601 ug/L

RT: 1.32 min Scan# 46

Delta R.T. -0.01 min

Lab File: VU028420.D

Acq: 30 Nov 2018 13:59

Instrument :

MSVOA_U

ClientSampleId :

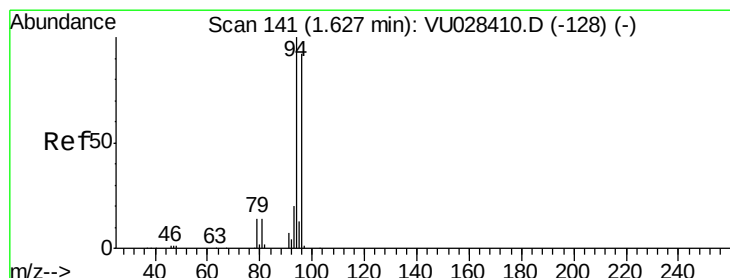
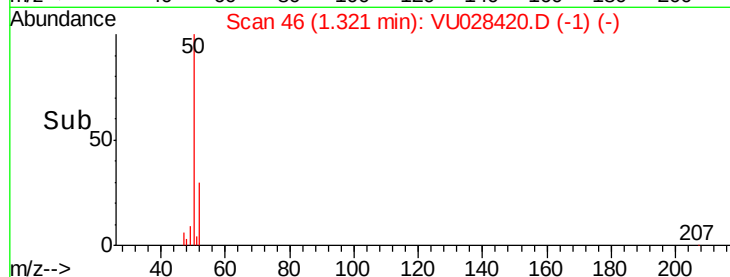
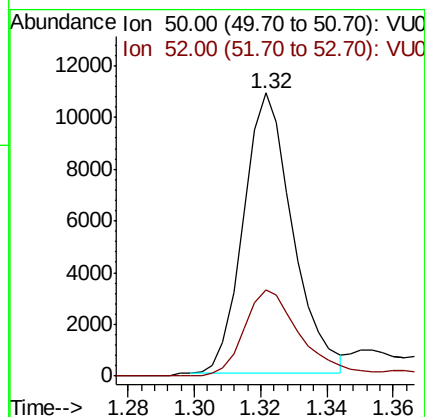
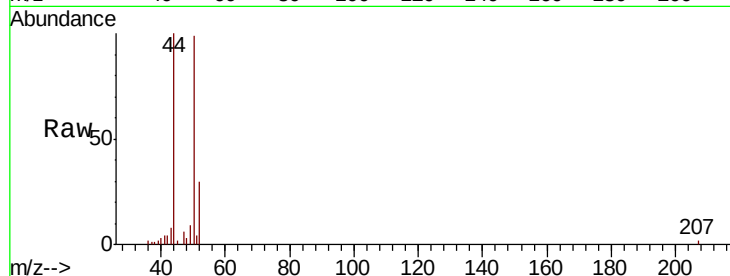
F9Y41ME

Tgt Ion: 50 Resp: 11169

Ion Ratio Lower Upper

50 100

52 30.3 22.6 42.0



#6

Bromomethane

Concen: 0.881 ug/L

RT: 1.60 min Scan# 132

Delta R.T. -0.03 min

Lab File: VU028420.D

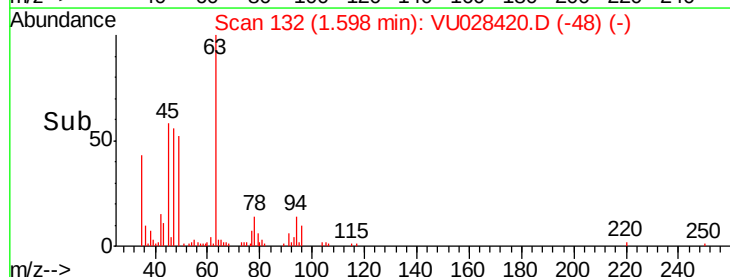
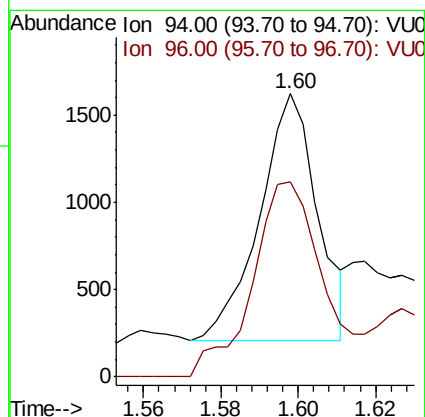
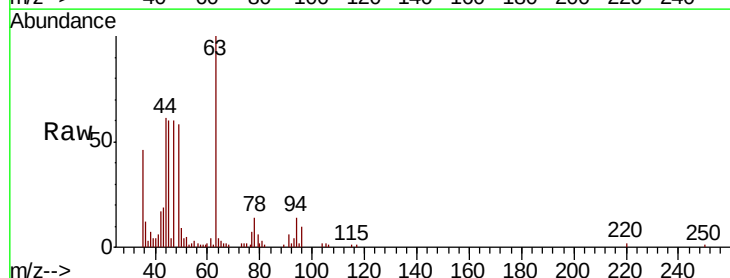
Acq: 30 Nov 2018 13:59

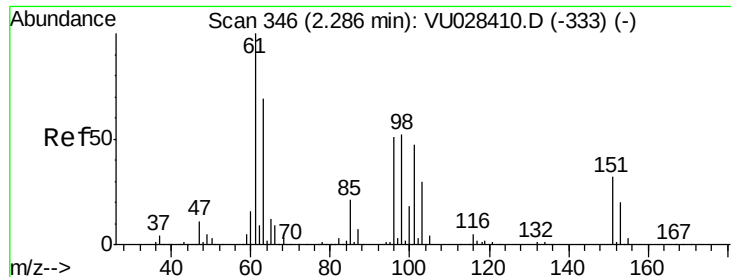
Tgt Ion: 94 Resp: 1479

Ion Ratio Lower Upper

94 100

96 69.1 64.5 119.9





#10

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

Concen: 0.610 ug/L

RT: 2.24 min Scan# 331

Delta R.T. -0.05 min

Lab File: VU028420.D

Acq: 30 Nov 2018 13:59

Instrument :

MSVOA_U

ClientSampleId :

F9Y41ME

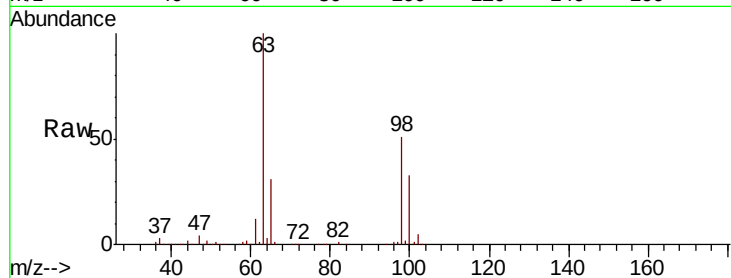
Tgt Ion: 101 Resp: 2151

Ion Ratio Lower Upper

101 100

85 3.3 36.5 54.7#

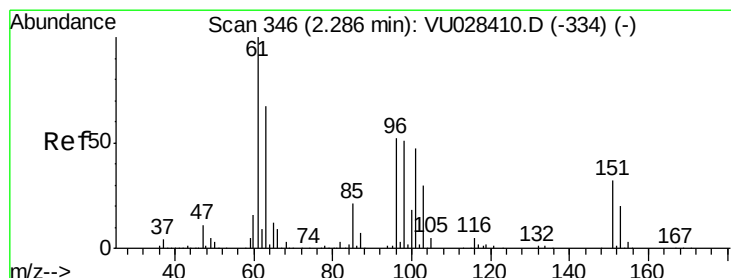
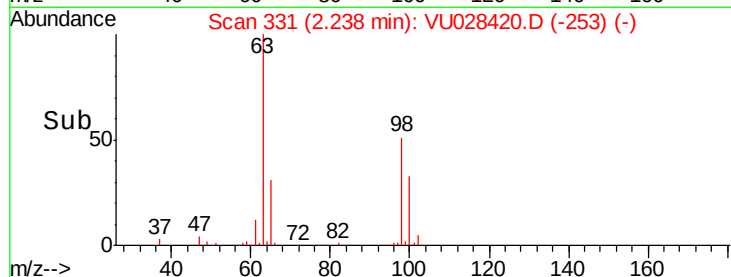
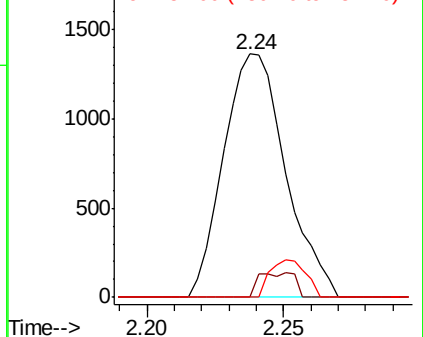
151 0.0 55.0 82.6#



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



#12

1,1-Dichloroethene

Concen: 0.595 ug/L

RT: 2.24 min Scan# 332

Delta R.T. -0.04 min

Lab File: VU028420.D

Acq: 30 Nov 2018 13:59

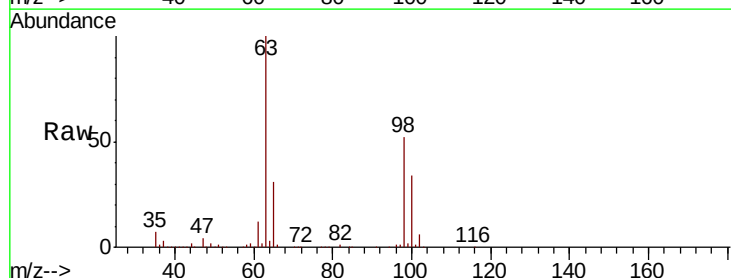
Tgt Ion: 96 Resp: 2027

Ion Ratio Lower Upper

96 100

61 1407.1 136.2 252.9#

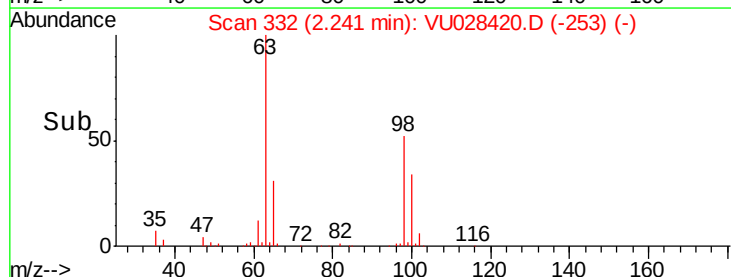
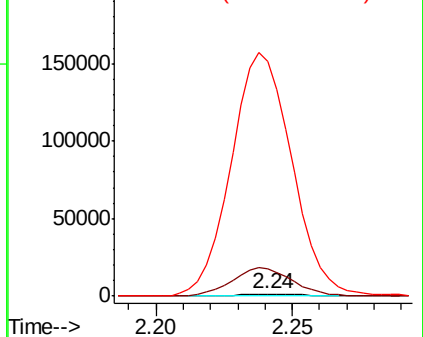
63 11957.8 95.5 177.4#

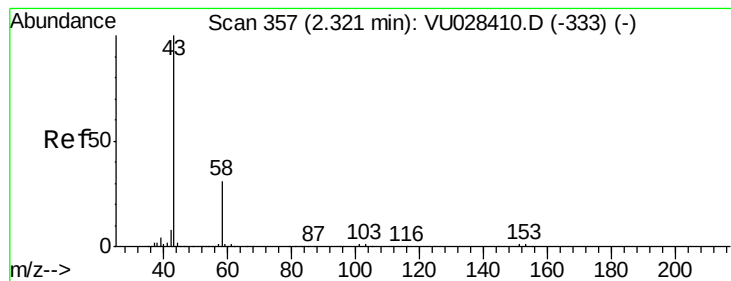


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.244 ug/L

RT: 2.34 min Scan# 363

Delta R.T. 0.02 min

Lab File: VU028420.D

Acq: 30 Nov 2018 13:59

Instrument :

MSVOA_U

ClientSampleId :

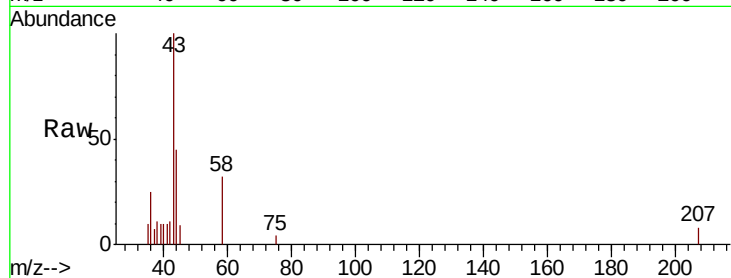
F9Y41ME

Tgt Ion: 43 Resp: 5132

Ion Ratio Lower Upper

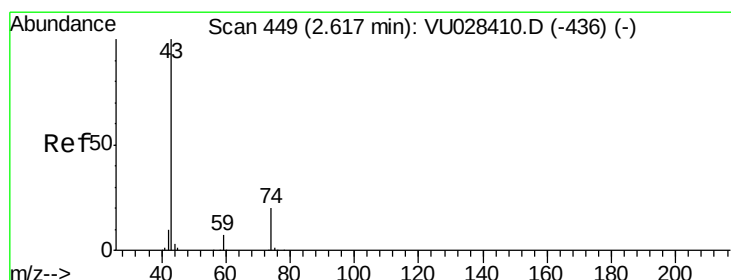
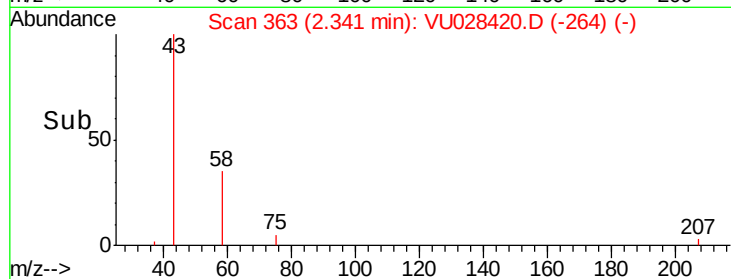
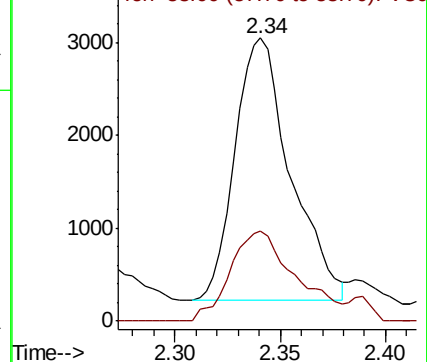
43 100

58 29.8 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#15

Methyl Acetate

Concen: 2.320 ug/L

RT: 2.60 min Scan# 444

Delta R.T. -0.02 min

Lab File: VU028420.D

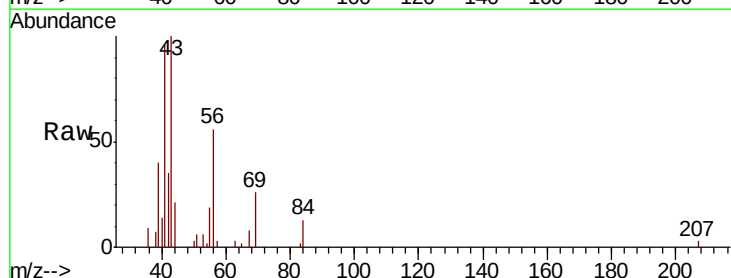
Acq: 30 Nov 2018 13:59

Tgt Ion: 43 Resp: 14157

Ion Ratio Lower Upper

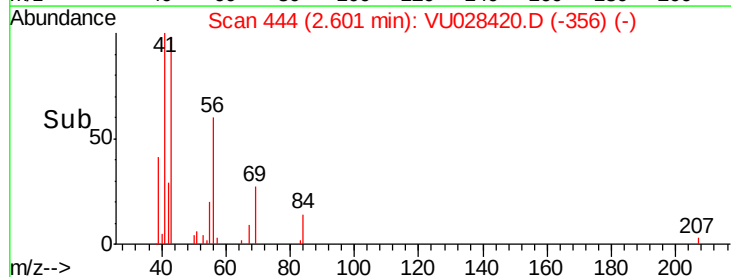
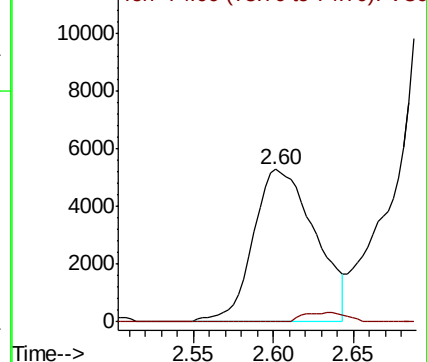
43 100

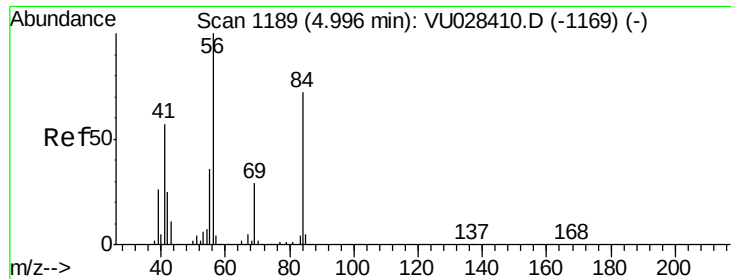
74 4.4 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

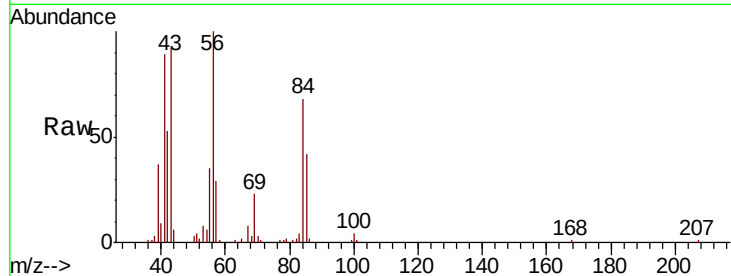




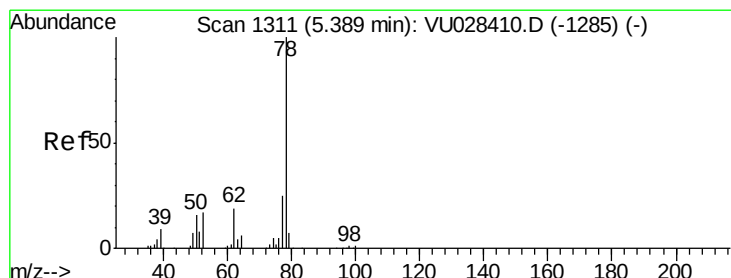
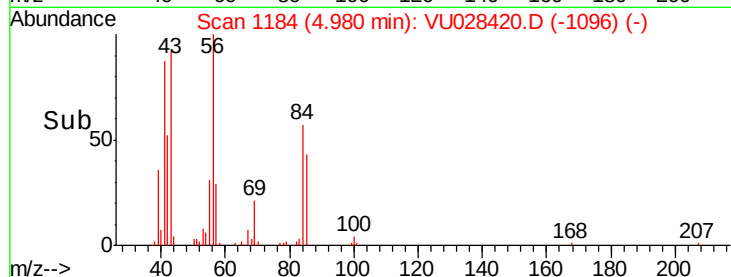
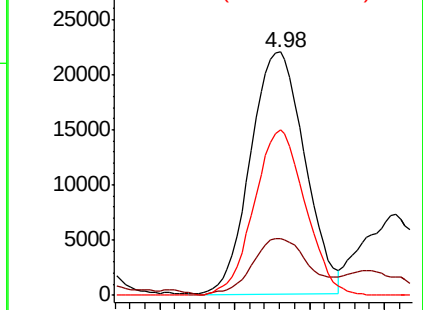
#29
Cyclohexane
Concen: 6.463 ug/L
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028420.D
Acq: 30 Nov 2018 13:59

Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

Tgt Ion: 56 Resp: 55454
Ion Ratio Lower Upper
56 100
69 24.6 22.5 33.7
84 64.2 56.6 85.0

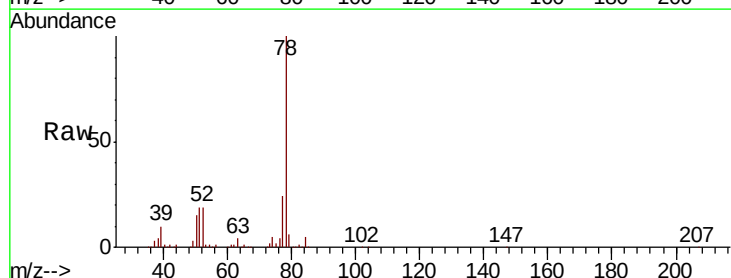


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

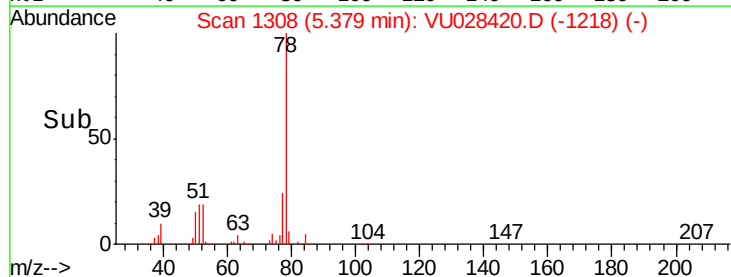
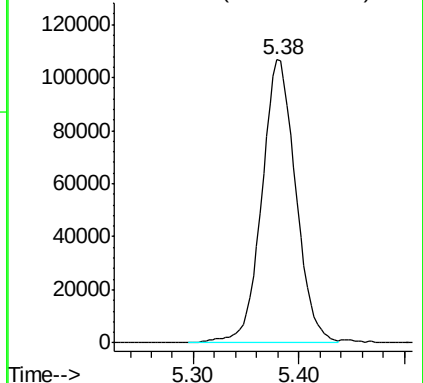


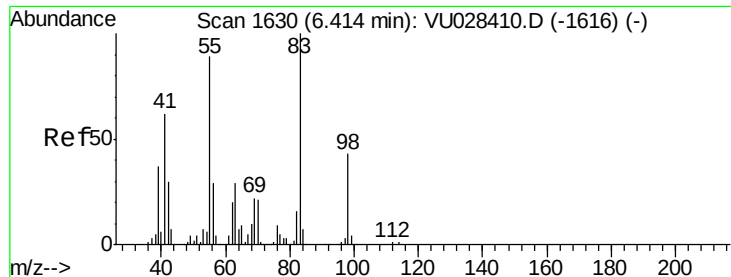
#33
Benzene
Concen: 13.149 ug/L
RT: 5.38 min Scan# 1308
Delta R.T. -0.01 min
Lab File: VU028420.D
Acq: 30 Nov 2018 13:59

Tgt Ion: 78 Resp: 238797



Abundance Ion 78.00 (77.70 to 78.70): VU0

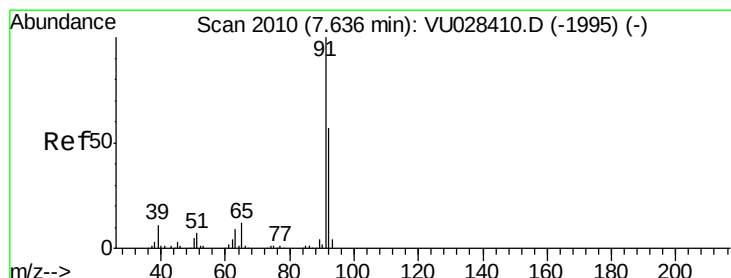
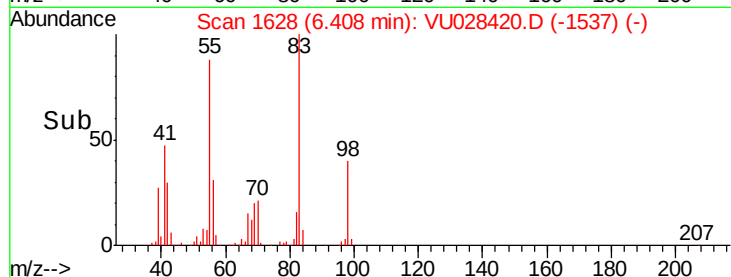
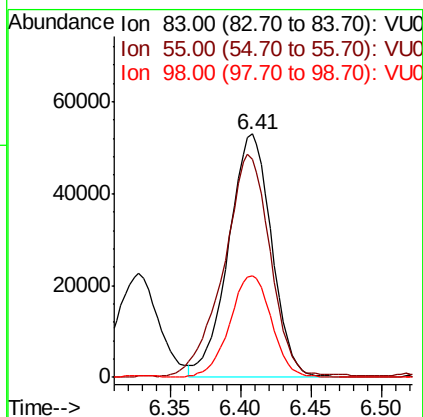
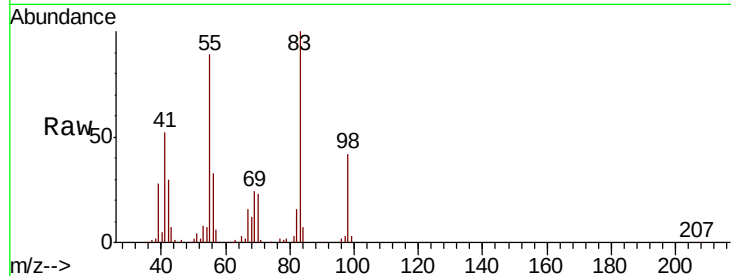




#35
Methylcyclohexane
Concen: 14.977 ug/L
RT: 6.41 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VU028420.D
Acq: 30 Nov 2018 13:59

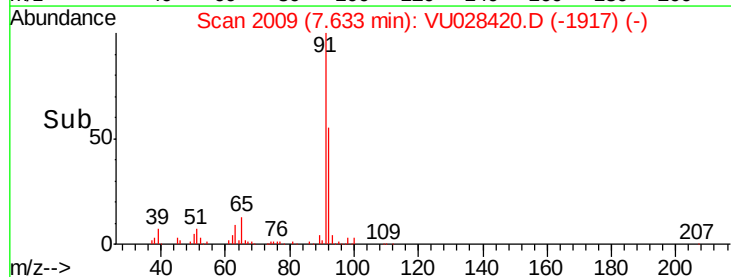
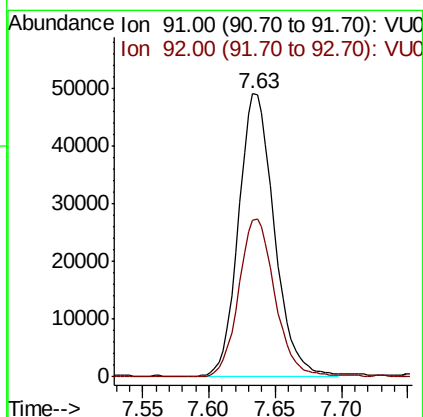
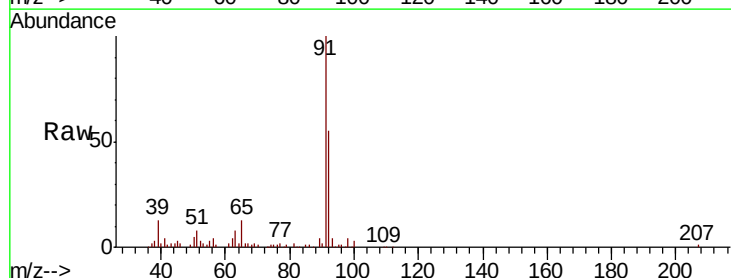
Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

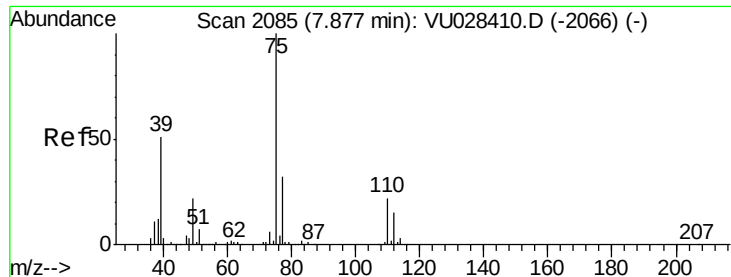
Tgt Ion: 83 Resp: 113210
Ion Ratio Lower Upper
83 100
55 98.2 70.5 105.7
98 40.3 34.6 52.0



#42
Toluene
Concen: 4.960 ug/L
RT: 7.63 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VU028420.D
Acq: 30 Nov 2018 13:59

Tgt Ion: 91 Resp: 91679
Ion Ratio Lower Upper
91 100
92 55.3 40.1 74.5





#44

trans-1,3-Dichloropropene

Concen: 0.612 ug/L

RT: 7.85 min Scan# 2075

Delta R.T. -0.03 min

Lab File: VU028420.D

Acq: 30 Nov 2018 13:59

Instrument :

MSVOA_U

ClientSampleId :

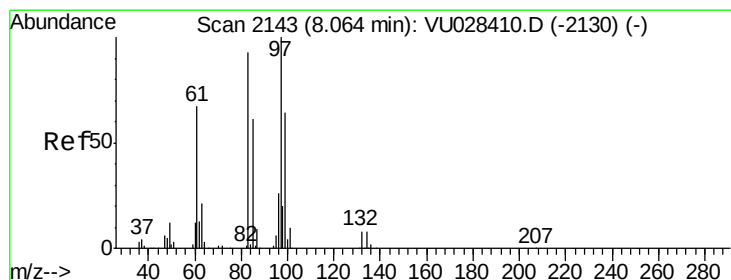
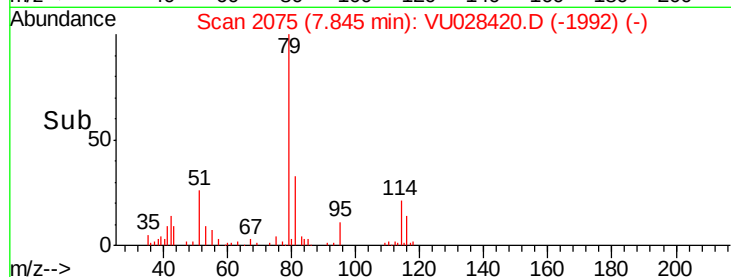
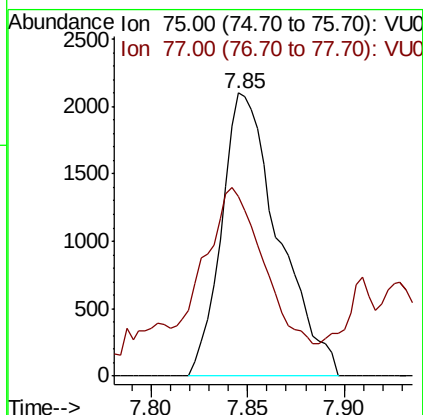
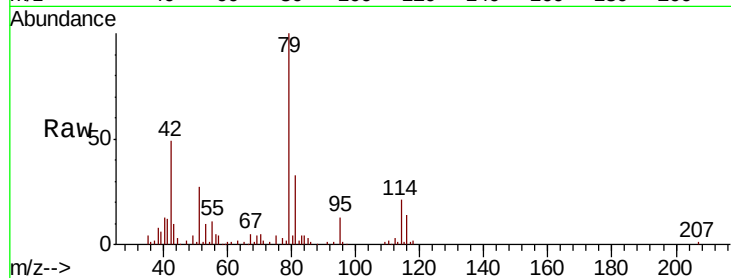
F9Y41ME

Tgt Ion: 75 Resp: 4286

Ion Ratio Lower Upper

75 100

77 63.5 22.1 41.1#



#45

1,1,2-Trichloroethane

Concen: 3.983 ug/L

RT: 8.04 min Scan# 2136

Delta R.T. -0.02 min

Lab File: VU028420.D

Acq: 30 Nov 2018 13:59

Tgt Ion: 97 Resp: 16677

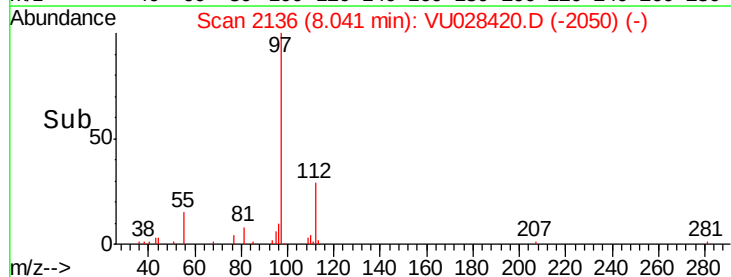
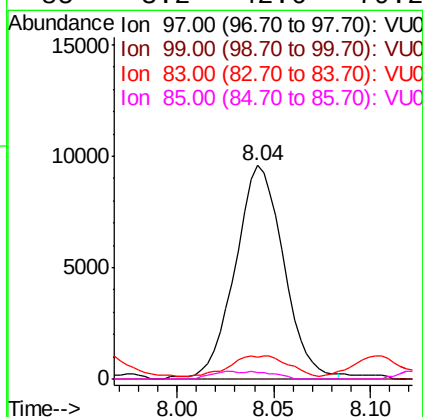
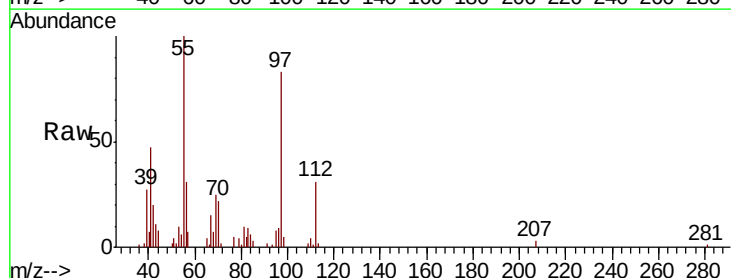
Ion Ratio Lower Upper

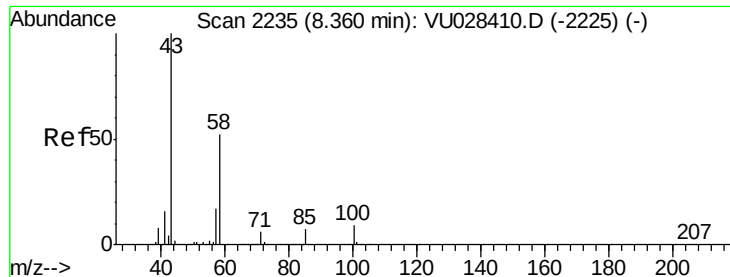
97 100

99 0.0 44.9 83.3#

83 10.4 65.1 120.9#

85 3.2 42.6 79.2#

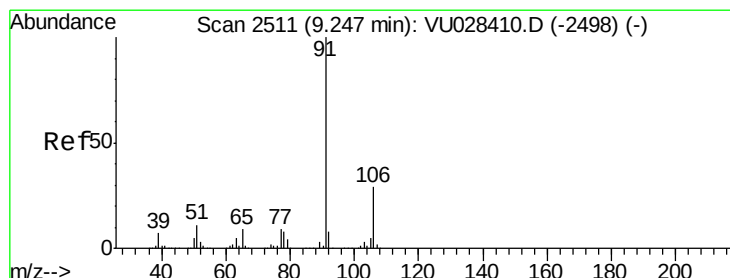
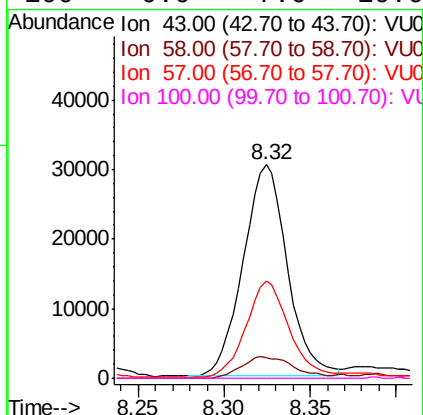
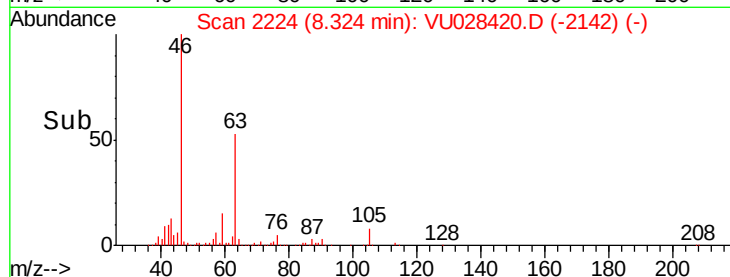
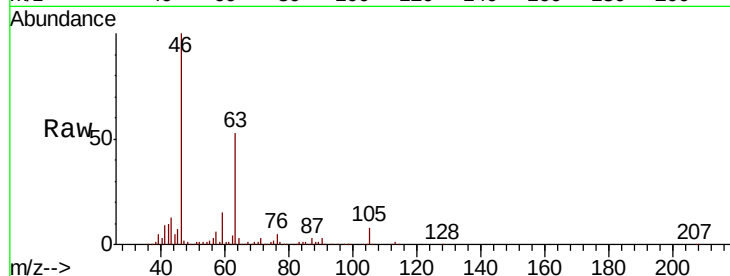




#48
2-Hexanone
Concen: 7.590 ug/L
RT: 8.32 min Scan# 2224
Delta R.T. -0.04 min
Lab File: VU028420.D
Acq: 30 Nov 2018 13:59

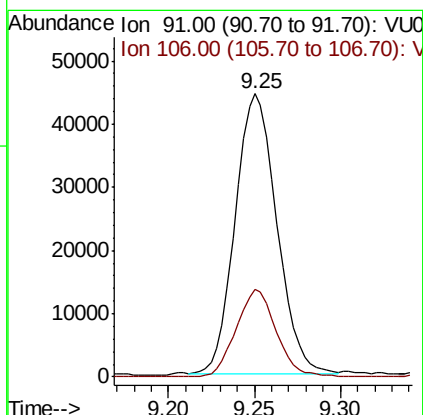
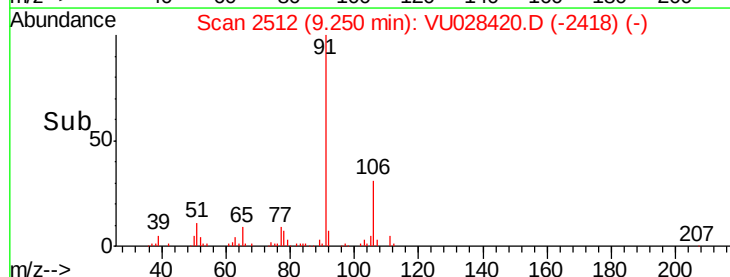
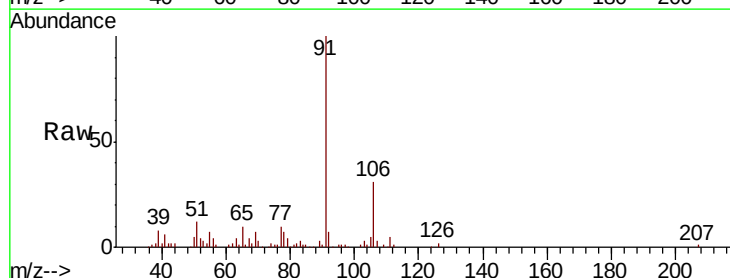
Instrument :
MSVOA_U
ClientSampleId :
F9Y41ME

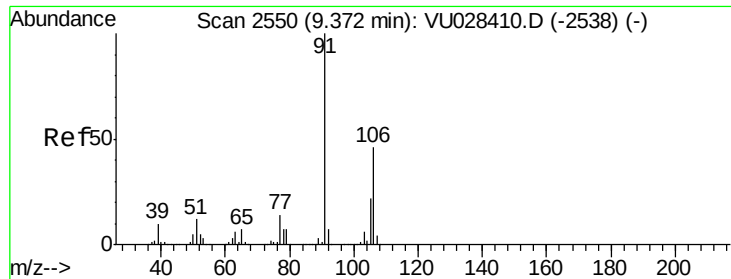
Tgt Ion: 43 Resp: 54302
Ion Ratio Lower Upper
43 100
58 11.9 41.4 62.0#
57 45.5 14.0 21.0#
100 0.0 7.0 10.6#



#52
Ethylbenzene
Concen: 3.625 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028420.D
Acq: 30 Nov 2018 13:59

Tgt Ion: 91 Resp: 74009
Ion Ratio Lower Upper
91 100
106 31.0 20.2 37.6





#53

m,p-Xylene

Concen: 8.211 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028420.D

Acq: 30 Nov 2018 13:59

Instrument :

MSVOA_U

ClientSampleId :

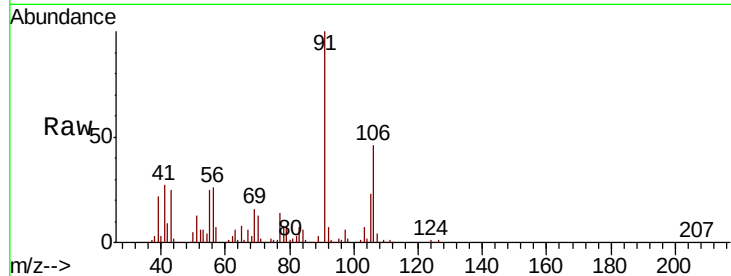
F9Y41ME

Tgt Ion:106 Resp: 59790

Ion Ratio Lower Upper

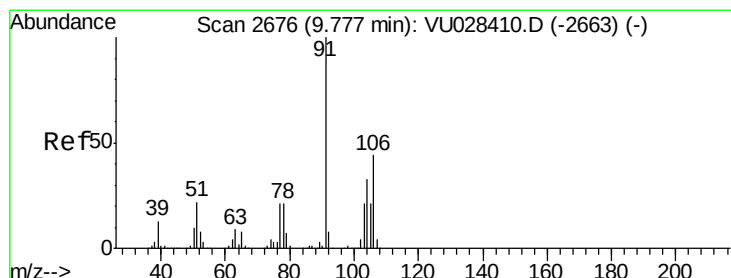
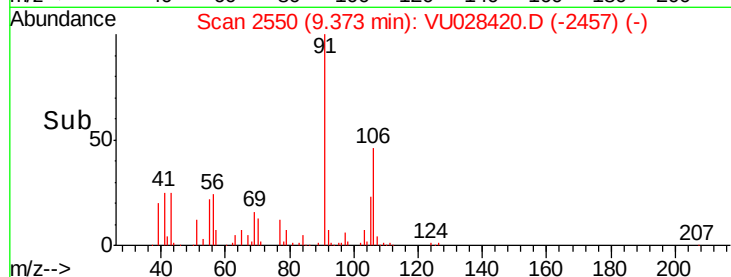
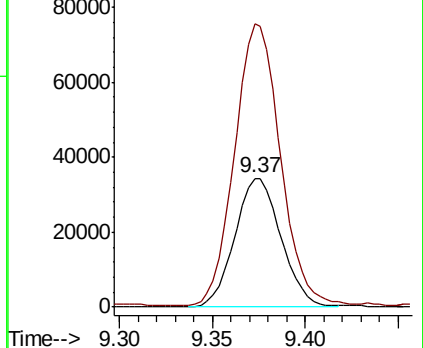
106 100

91 219.5 152.9 283.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 5.054 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU028420.D

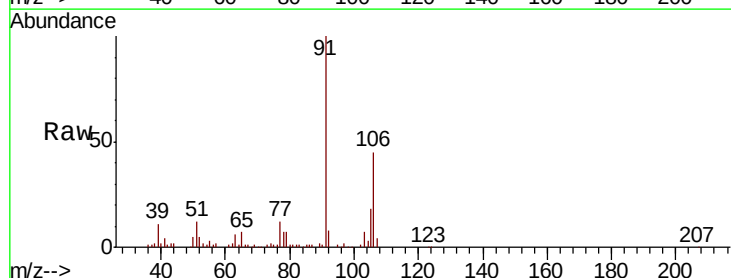
Acq: 30 Nov 2018 13:59

Tgt Ion:106 Resp: 36453

Ion Ratio Lower Upper

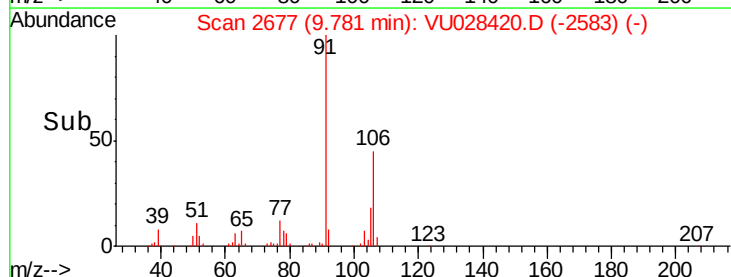
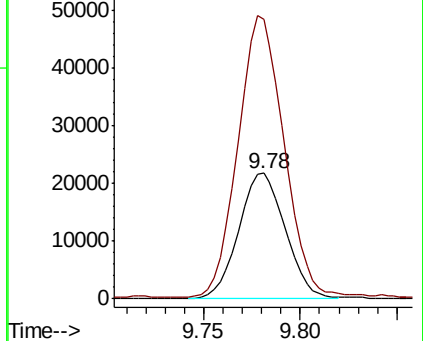
106 100

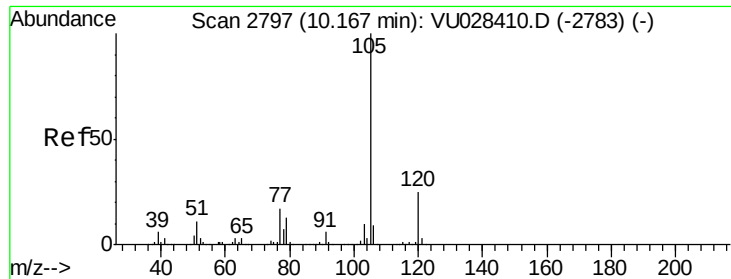
91 223.3 158.4 294.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 0.722 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028420.D

Acq: 30 Nov 2018 13:59

Instrument :

MSVOA_U

ClientSampleId :

F9Y41ME

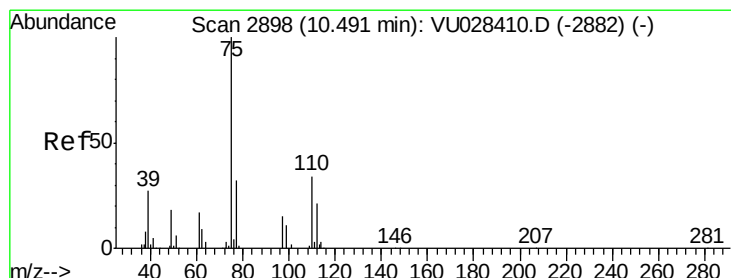
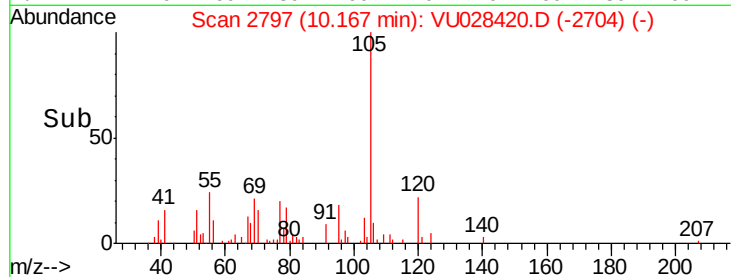
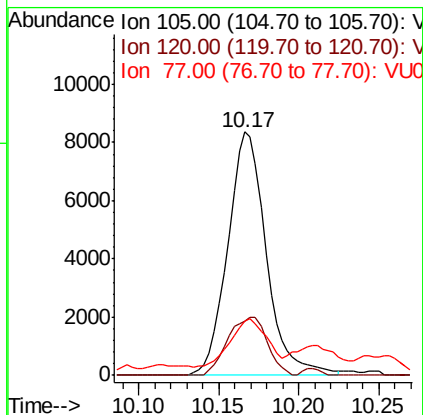
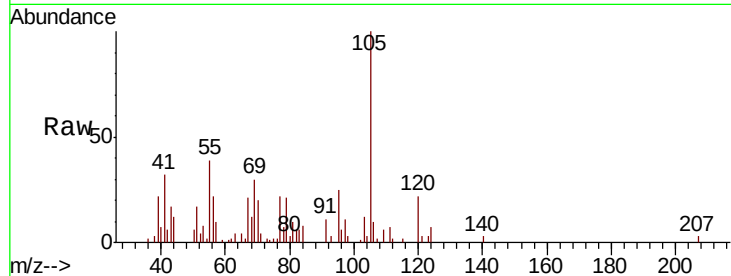
Tgt Ion:105 Resp: 13745

Ion Ratio Lower Upper

105 100

120 24.5 20.1 30.1

77 18.3 13.4 20.0



#59

1,2,3-Trichloropropane

Concen: 6.592 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028420.D

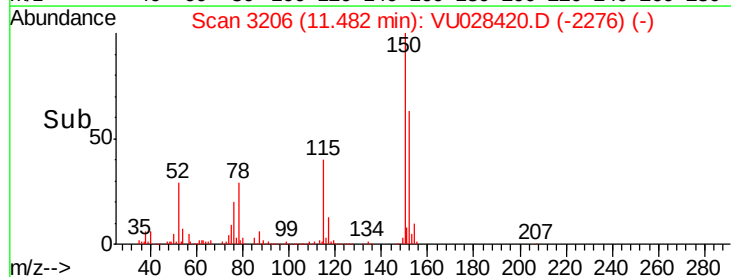
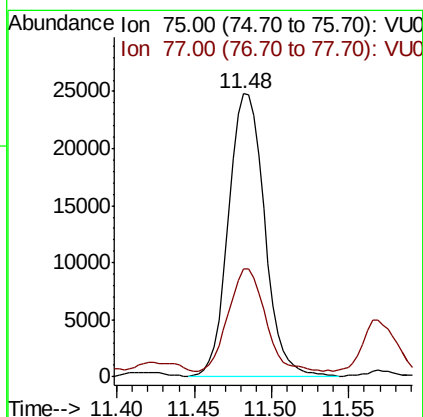
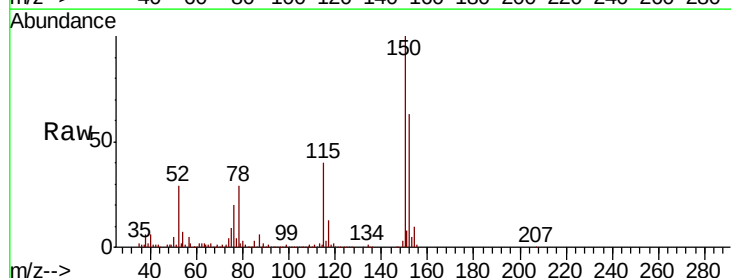
Acq: 30 Nov 2018 13:59

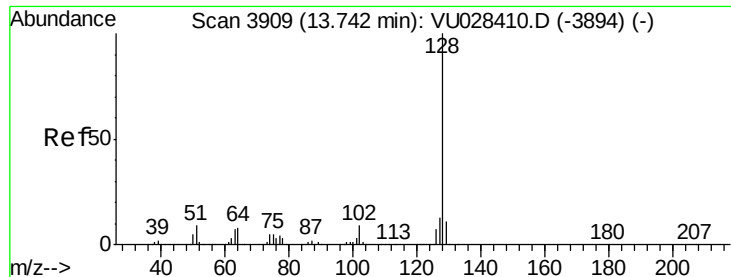
Tgt Ion: 75 Resp: 40293

Ion Ratio Lower Upper

75 100

77 37.3 25.6 38.4





#69

Naphthalene

Concen: 2.218 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028420.D

Acq: 30 Nov 2018 13:59

Instrument :

MSVOA_U

ClientSampleId :

F9Y41ME

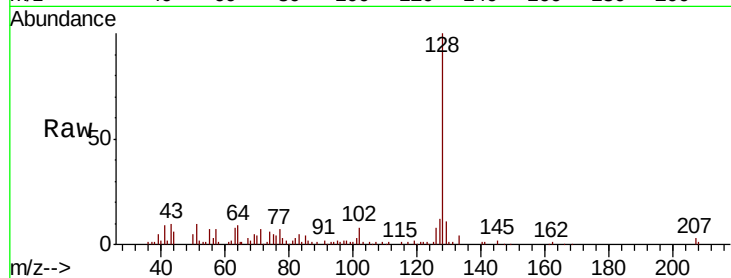
Tgt Ion:128 Resp: 46796

Ion Ratio Lower Upper

128 100

127 12.1 10.4 15.6

129 12.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

