

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
 Data File : VU028418.D
 Acq On : 30 Nov 2018 13:13
 Operator : MD/SY
 Sample : J6077-05ME
 Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9Y38ME

Quant Time: Dec 01 00:47:23 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	515091	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	506625	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	255322	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	177520	38.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.04%
7) Chloroethane-d5	1.71	69	202	0.06	ug/L	0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.12%#
11) 1,1-Dichloroethene-d2	2.24	63	246186	30.04	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.08%
21) 2-Butanone-d5	4.19	46	309766	81.90	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.90%
24) Chloroform-d	4.64	84	291876	39.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.52%
26) 1,2-Dichloroethane-d4	5.30	65	202996	40.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.20%
32) Benzene-d6	5.33	84	631048	40.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.02%
36) 1,2-Dichloropropane-d6	6.33	67	225116	39.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.12%
41) Toluene-d8	7.56	98	564542	39.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.00%#
43) trans-1,3-Dichloropropene-	7.85	79	104950	40.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.68%
47) 2-Hexanone-d5	8.32	63	235069	85.52	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	320674	44.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	223128	43.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.90%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	11281	1.695	ug/L 100
6) Bromomethane	1.60	94	1961	1.224	ug/L 81
10) 1,1,2-Trichloro-1,2,2-trif	2.24	101	2259	0.671	ug/L # 21
13) Acetone	2.34	43	3141	0.798	ug/L 88
29) Cyclohexane	4.98	56	22455	2.731	ug/L # 87
33) Benzene	5.38	78	207878	11.945	ug/L 100
35) Methylcyclohexane	6.41	83	43391	5.990	ug/L 93
39) cis-1,3-Dichloropropene	7.22	75	5883	0.803	ug/L # 54
42) Toluene	7.64	91	67723	3.824	ug/L 95
44) trans-1,3-Dichloropropene	7.85	75	4079	0.608	ug/L # 81
45) 1,1,2-Trichloroethane	8.04	97	6388	1.592	ug/L # 21
52) Ethylbenzene	9.25	91	36642	1.873	ug/L 99
53) m,p-Xylene	9.37	106	28209	4.043	ug/L 94
54) o-xylene	9.78	106	17279	2.500	ug/L 89
59) 1,2,3-Trichloropropane	11.48	75	37544	6.410	ug/L 91
69) Naphthalene	13.75	128	24745	1.245	ug/L 98

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

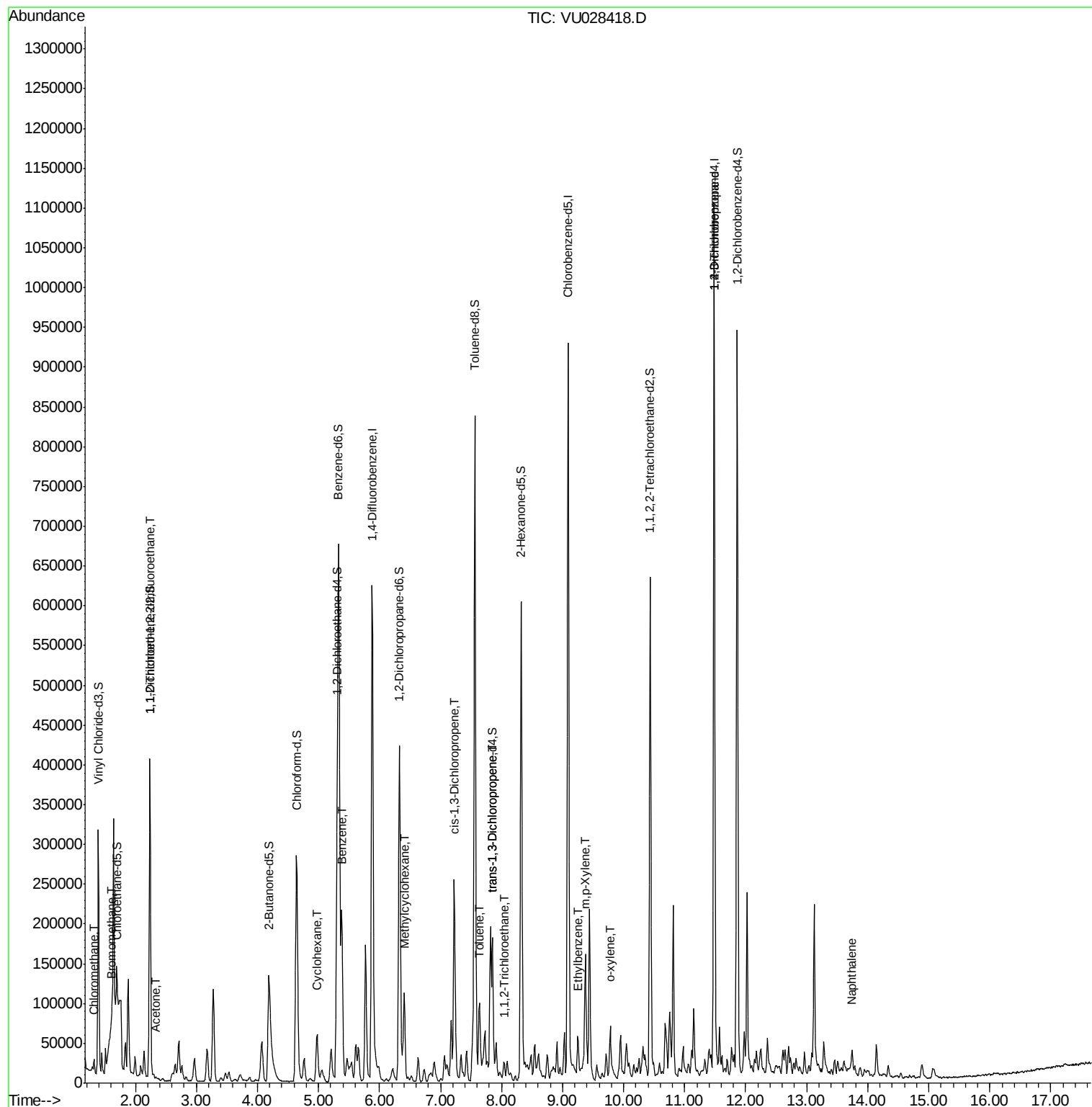
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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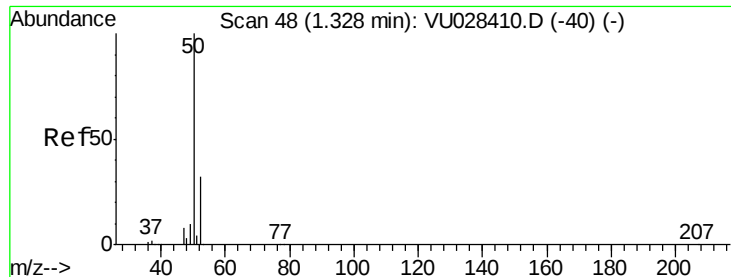
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.695 ug/L

RT: 1.32 min Scan# 46

Delta R.T. -0.01 min

Lab File: VU028418.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

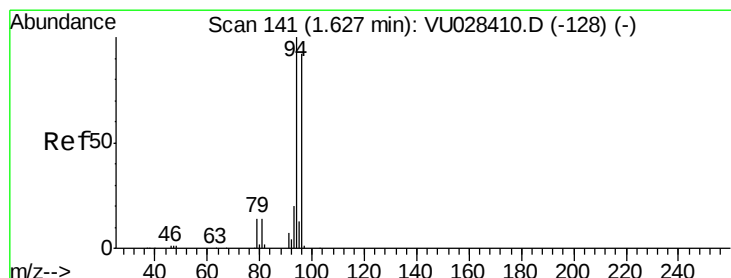
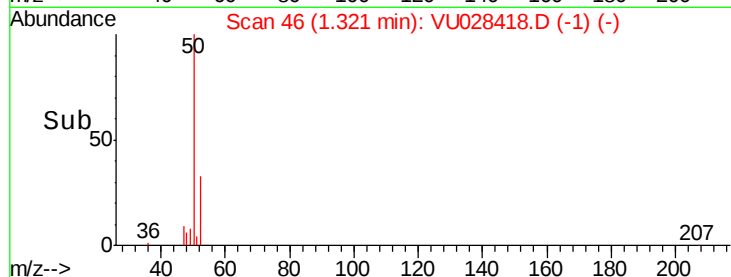
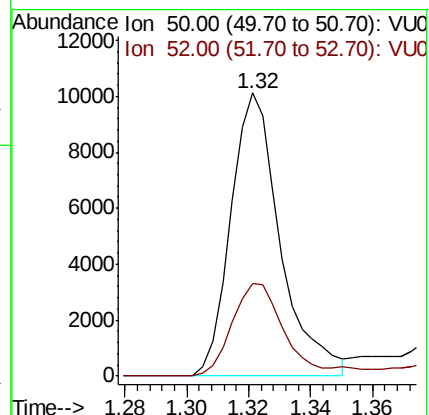
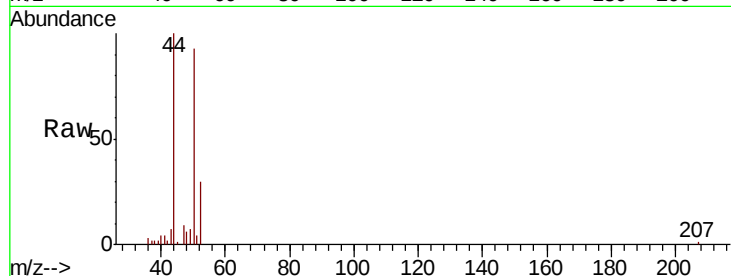
F9Y38ME

Tgt Ion: 50 Resp: 11281

Ion Ratio Lower Upper

50 100

52 32.5 22.6 42.0



#6

Bromomethane

Concen: 1.224 ug/L

RT: 1.60 min Scan# 132

Delta R.T. -0.03 min

Lab File: VU028418.D

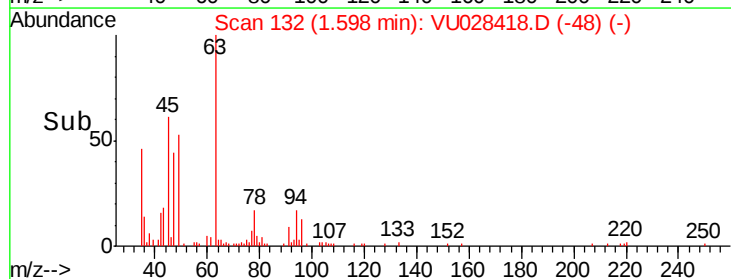
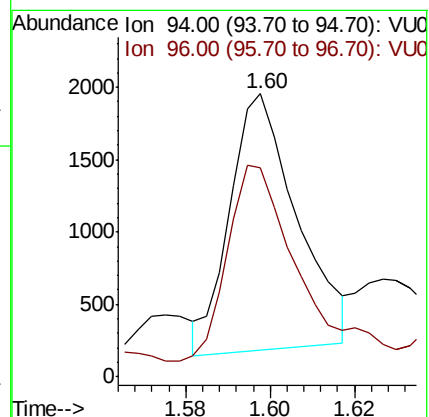
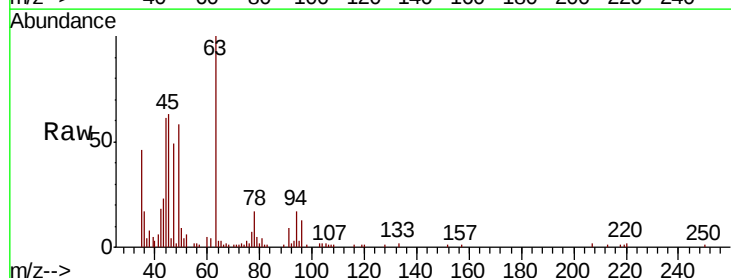
Acq: 30 Nov 2018 13:13

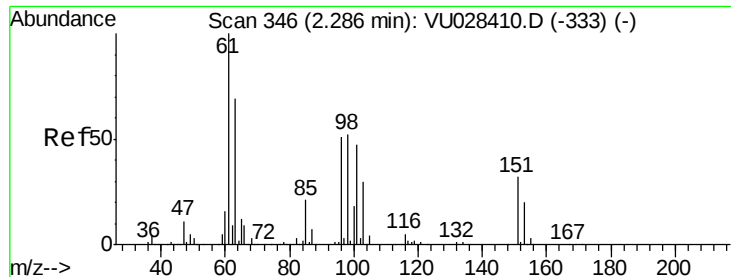
Tgt Ion: 94 Resp: 1961

Ion Ratio Lower Upper

94 100

96 73.8 64.5 119.9





#10

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

Concen: 0.671 ug/L

RT: 2.24 min Scan# 332

Delta R.T. -0.05 min

Lab File: VU028418.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

F9Y38ME

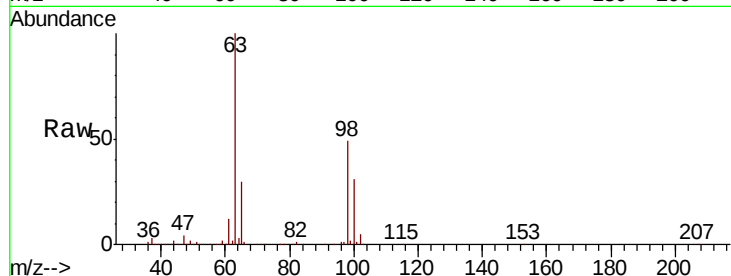
Tgt Ion:101 Resp: 2259

Ion Ratio Lower Upper

101 100

85 0.0 36.5 54.7#

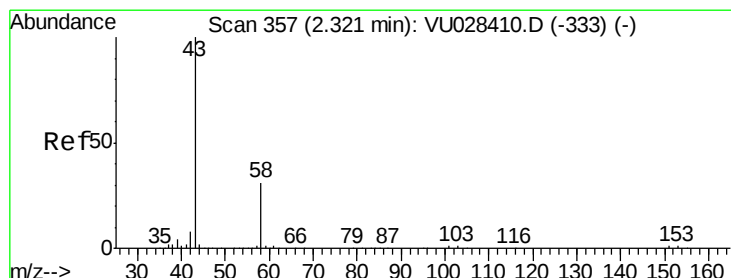
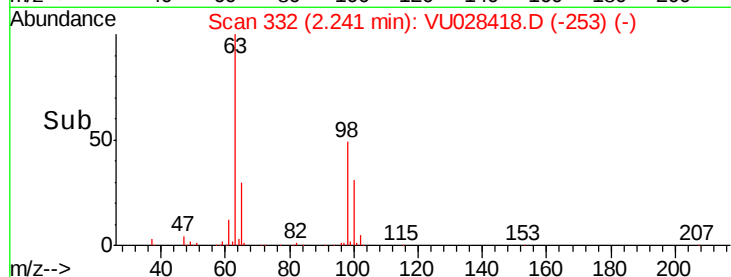
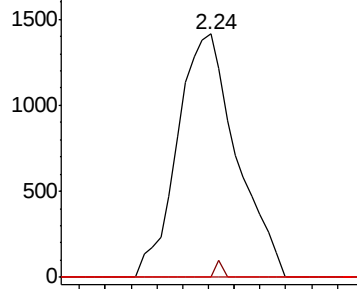
151 0.0 55.0 82.6#



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



#13

Acetone

Concen: 0.798 ug/L

RT: 2.34 min Scan# 362

Delta R.T. 0.02 min

Lab File: VU028418.D

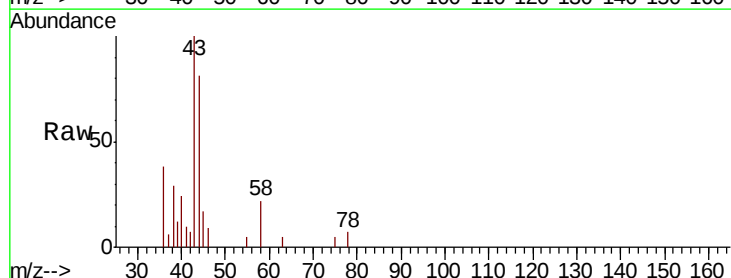
Acq: 30 Nov 2018 13:13

Tgt Ion: 43 Resp: 3141

Ion Ratio Lower Upper

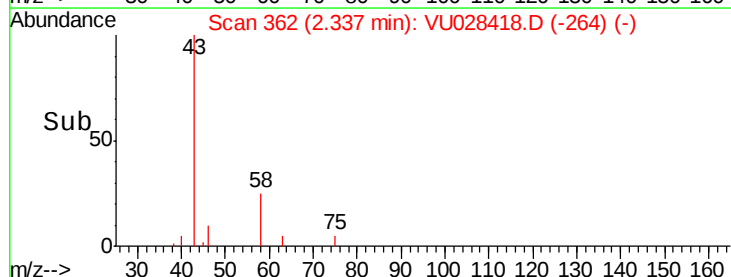
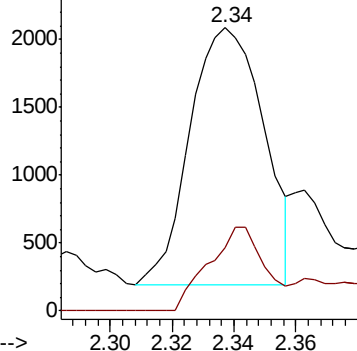
43 100

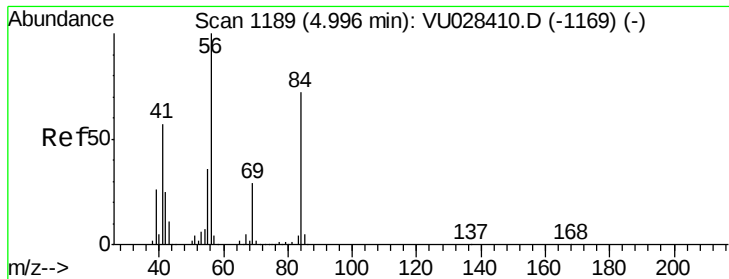
58 24.9 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

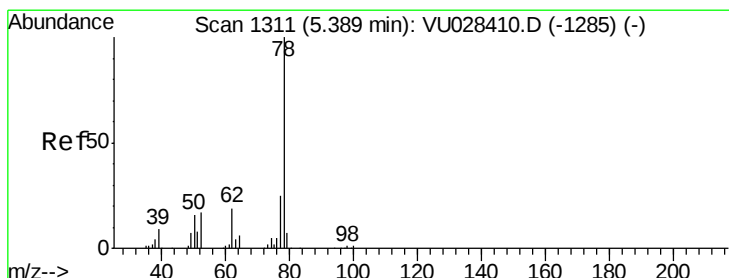
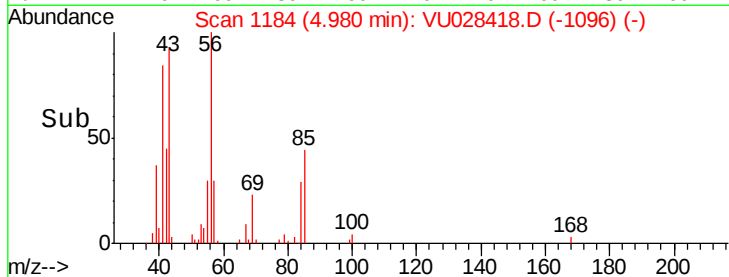
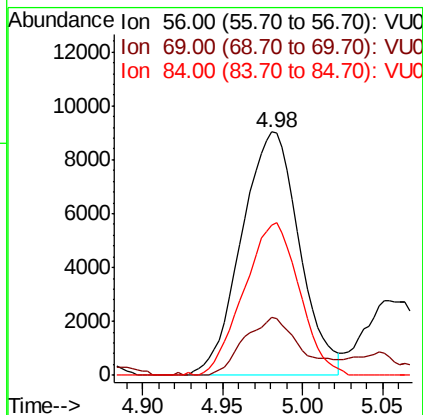
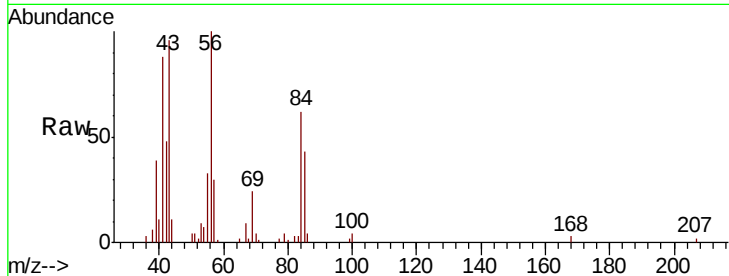




#29
Cyclohexane
Concen: 2.731 ug/L
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028418.D
Acq: 30 Nov 2018 13:13

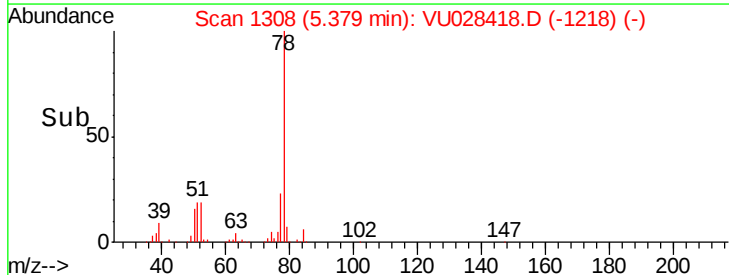
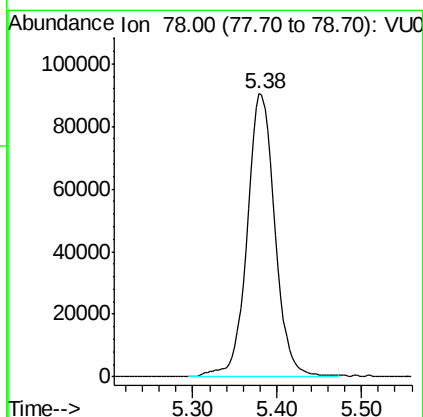
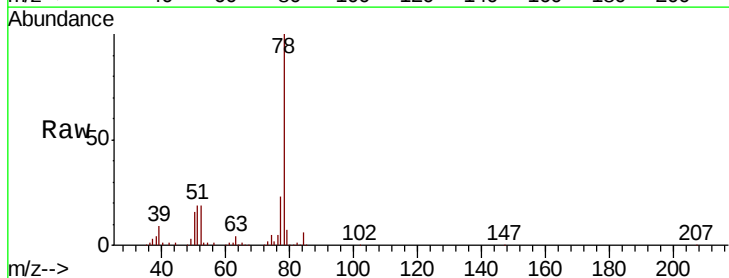
Instrument :
MSVOA_U
ClientSampleId :
F9Y38ME

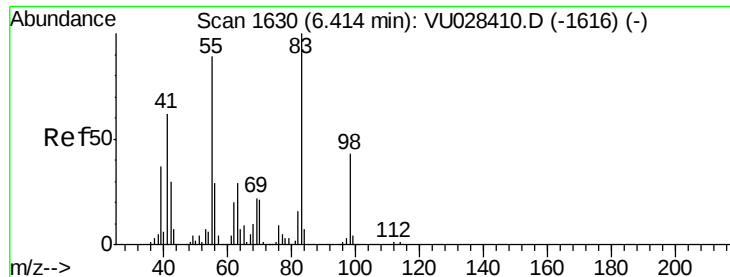
Tgt Ion: 56 Resp: 22455
Ion Ratio Lower Upper
56 100
69 21.6 22.5 33.7#
84 60.1 56.6 85.0



#33
Benzene
Concen: 11.945 ug/L
RT: 5.38 min Scan# 1308
Delta R.T. -0.01 min
Lab File: VU028418.D
Acq: 30 Nov 2018 13:13

Tgt Ion: 78 Resp: 207878

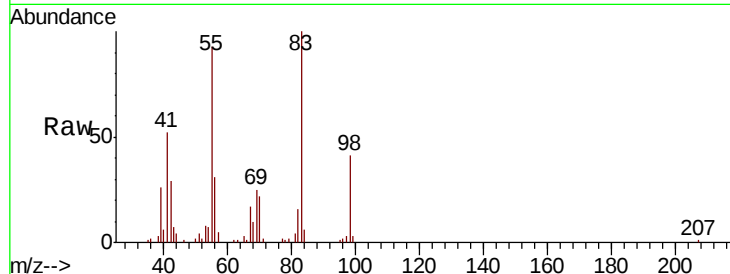




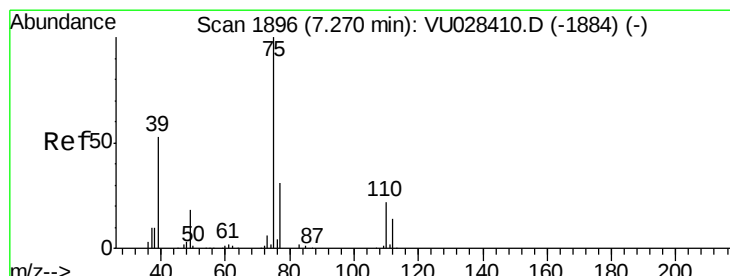
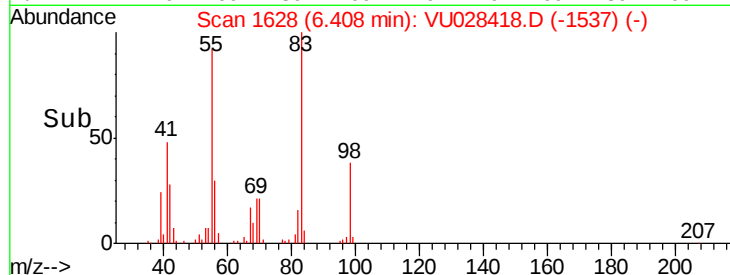
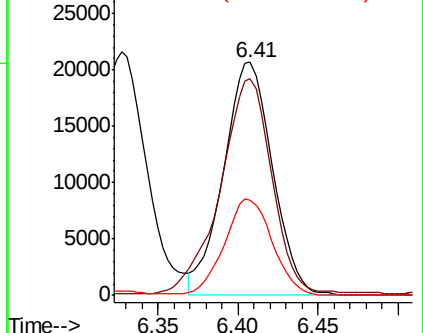
#35
Methylcyclohexane
Concen: 5.990 ug/L
RT: 6.41 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VU028418.D
Acq: 30 Nov 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
F9Y38ME

Tgt Ion: 83 Resp: 43391
Ion Ratio Lower Upper
83 100
55 96.1 70.5 105.7
98 40.4 34.6 52.0

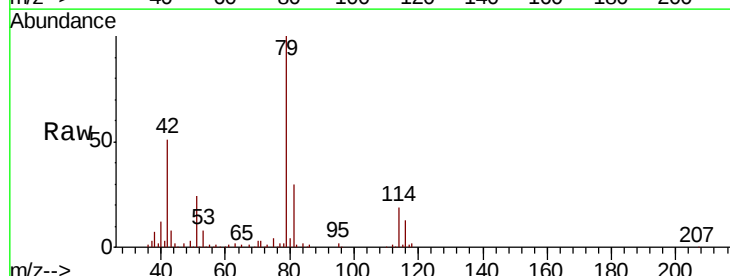


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

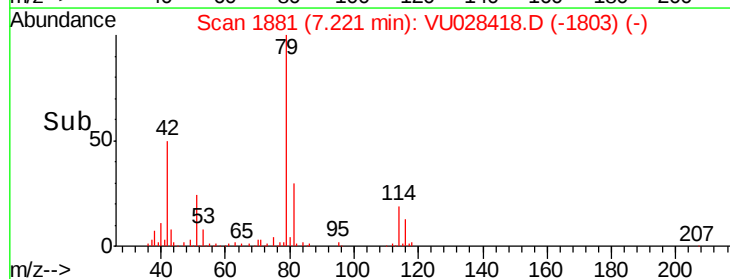
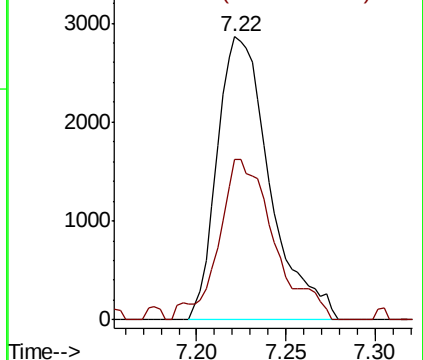


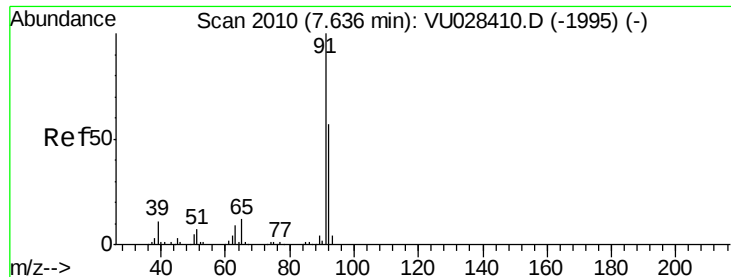
#39
cis-1,3-Dichloropropene
Concen: 0.803 ug/L
RT: 7.22 min Scan# 1881
Delta R.T. -0.05 min
Lab File: VU028418.D
Acq: 30 Nov 2018 13:13

Tgt Ion: 75 Resp: 5883
Ion Ratio Lower Upper
75 100
77 56.8 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#42

Toluene

Concen: 3.824 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028418.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

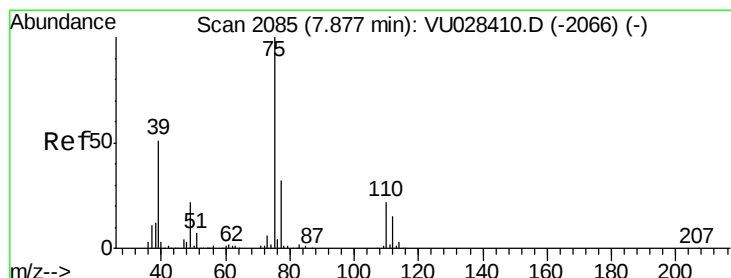
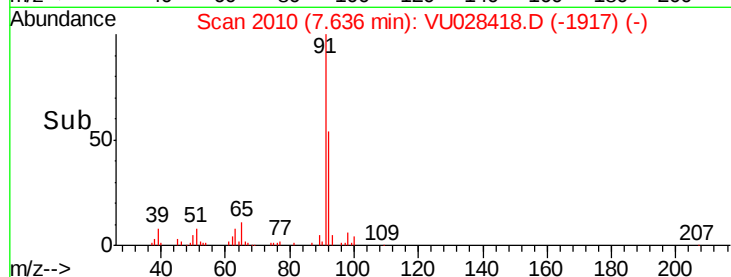
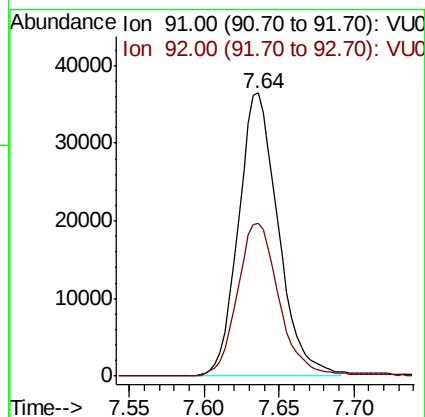
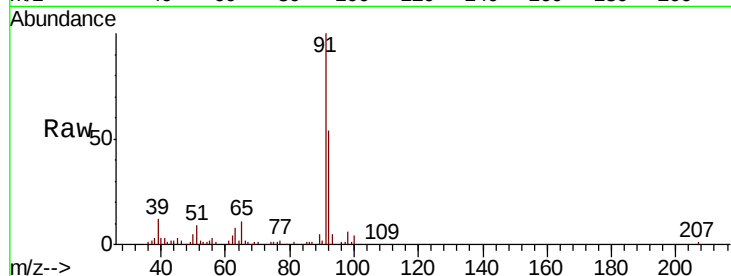
F9Y38ME

Tgt Ion: 91 Resp: 67723

Ion Ratio Lower Upper

91 100

92 54.0 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 0.608 ug/L

RT: 7.85 min Scan# 2078

Delta R.T. -0.02 min

Lab File: VU028418.D

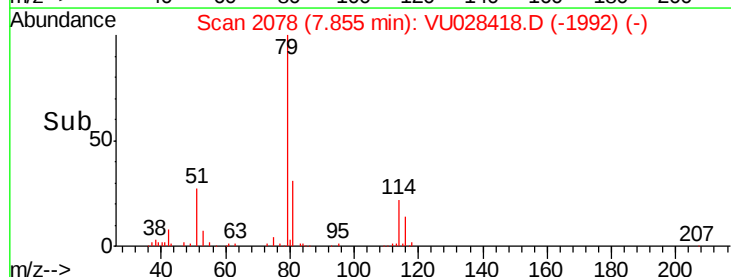
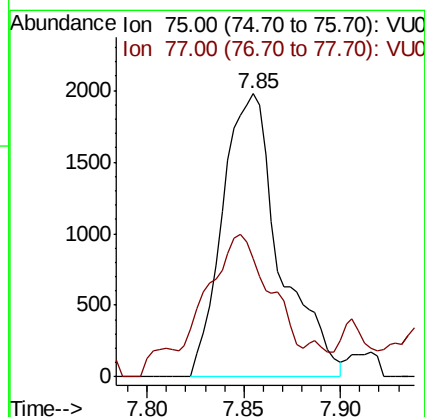
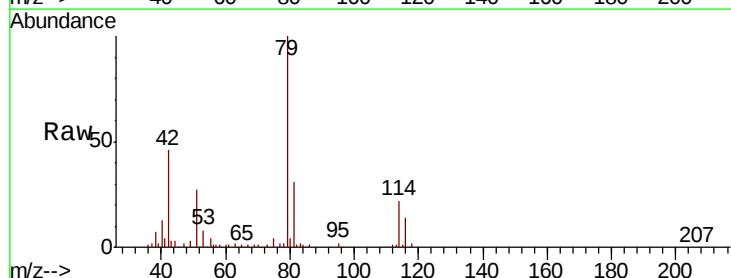
Acq: 30 Nov 2018 13:13

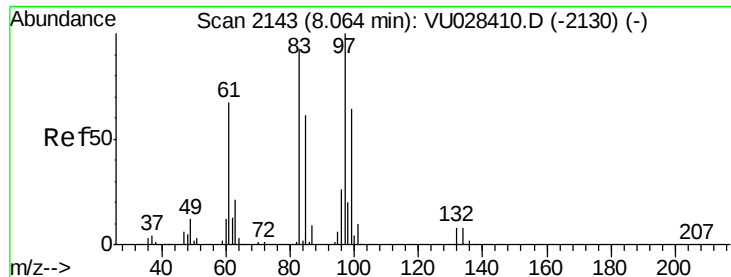
Tgt Ion: 75 Resp: 4079

Ion Ratio Lower Upper

75 100

77 42.0 22.1 41.1#

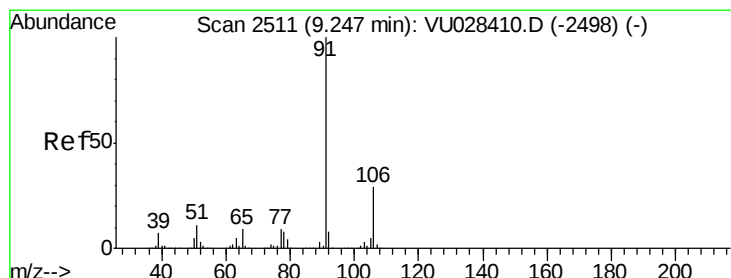
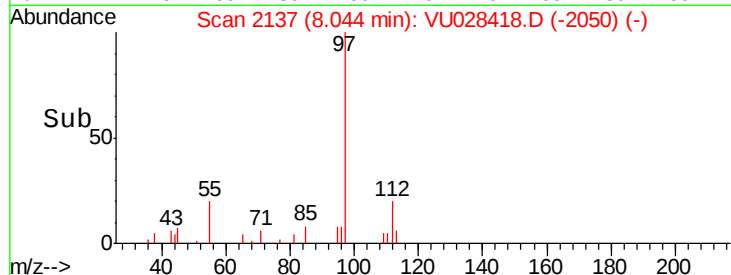
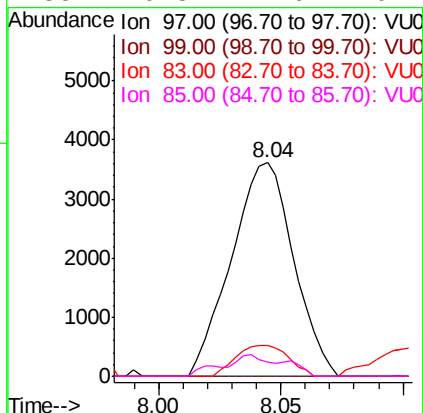
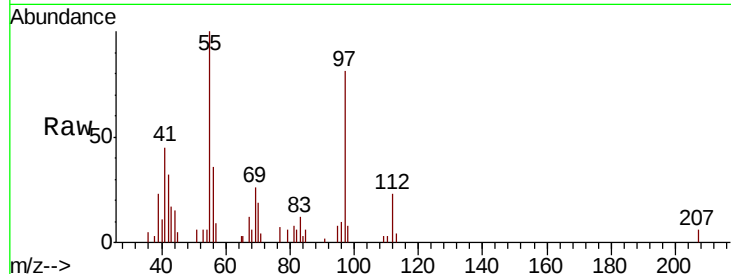




#45
 1,1,2-Trichloroethane
 Concen: 1.592 ug/L
 RT: 8.04 min Scan# 2137
 Delta R.T. -0.02 min
 Lab File: VU028418.D
 Acq: 30 Nov 2018 13:13

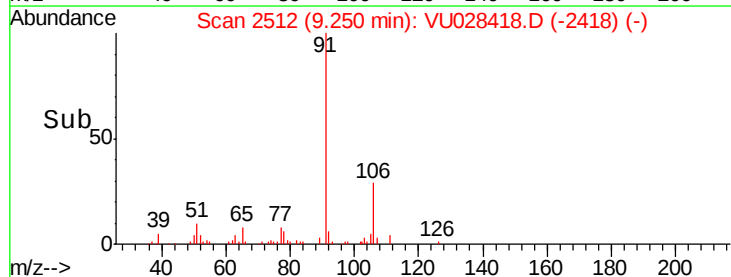
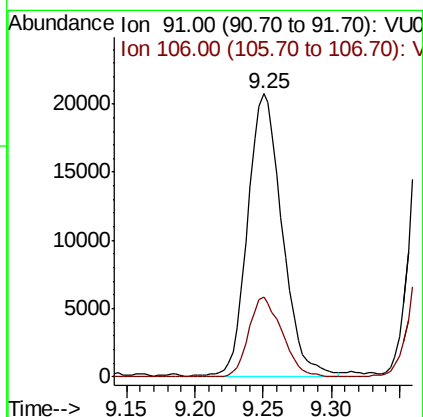
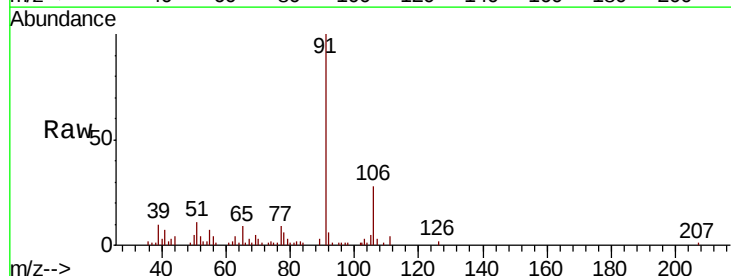
Instrument :
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 F9Y38ME

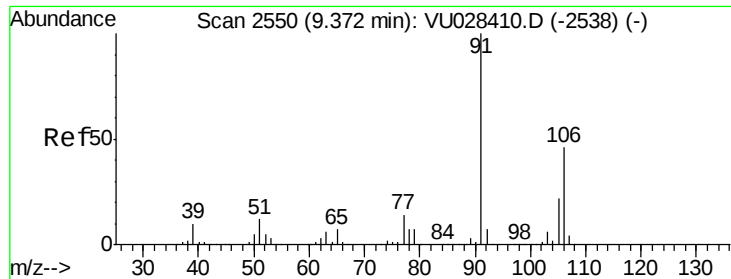
Tgt Ion: 97 Resp: 6388
 Ion Ratio Lower Upper
 97 100
 99 0.0 44.9 83.3#
 83 14.2 65.1 120.9#
 85 6.8 42.6 79.2#



#52
 Ethylbenzene
 Concen: 1.873 ug/L
 RT: 9.25 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: VU028418.D
 Acq: 30 Nov 2018 13:13

Tgt Ion: 91 Resp: 36642
 Ion Ratio Lower Upper
 91 100
 106 28.4 20.2 37.6

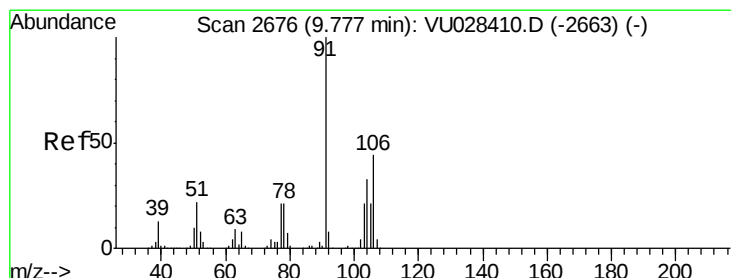
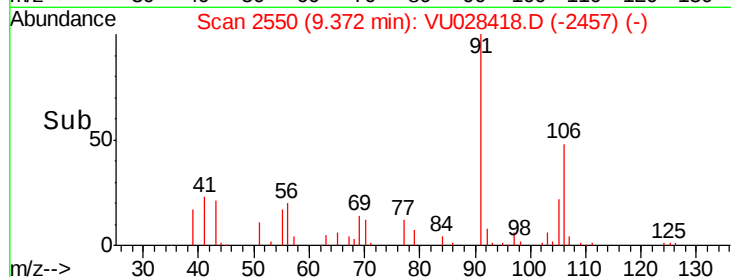
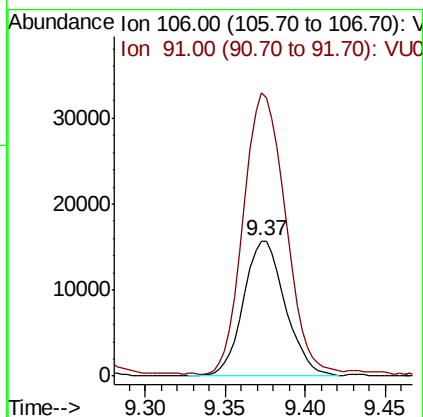
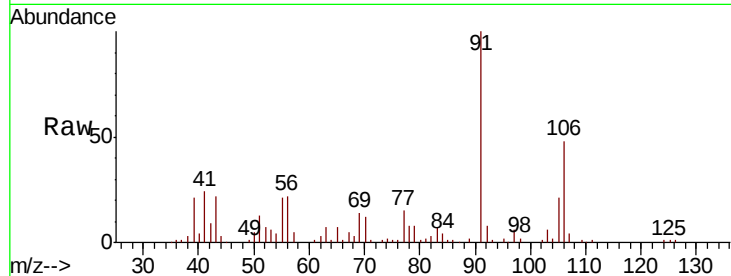




#53
m,p-Xylene
Concen: 4.043 ug/L
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028418.D
Acq: 30 Nov 2018 13:13

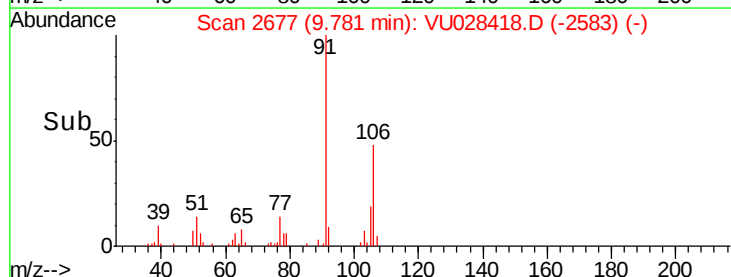
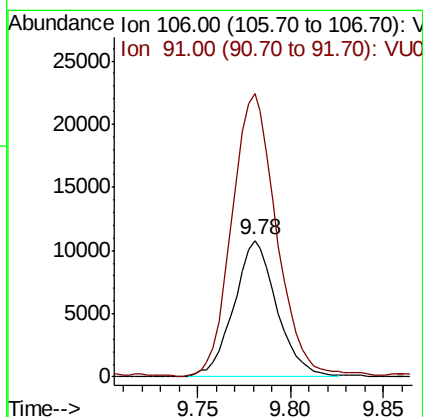
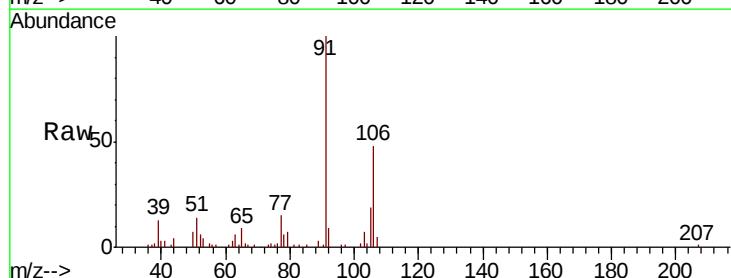
Instrument :
MSVOA_U
ClientSampleId :
F9Y38ME

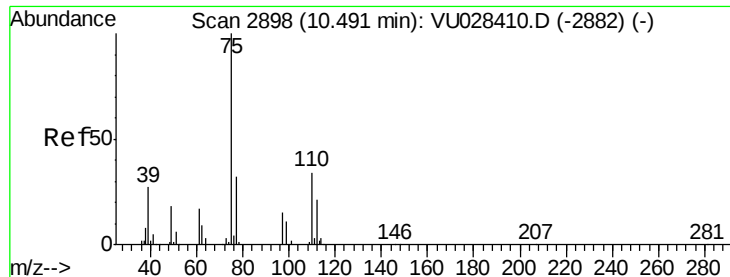
Tgt Ion:106 Resp: 28209
Ion Ratio Lower Upper
106 100
91 209.1 152.9 283.9



#54
o-xylene
Concen: 2.500 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028418.D
Acq: 30 Nov 2018 13:13

Tgt Ion:106 Resp: 17279
Ion Ratio Lower Upper
106 100
91 207.9 158.4 294.2





#59

1,2,3-Trichloropropane

Concen: 6.410 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028418.D

Acq: 30 Nov 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

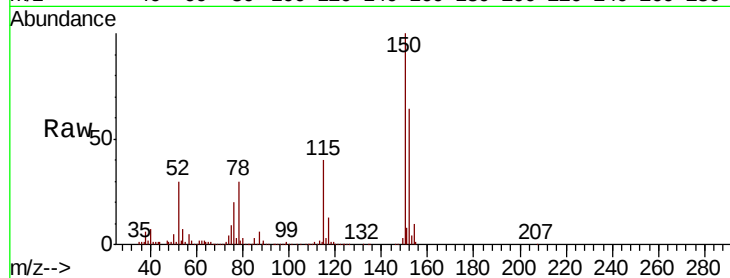
F9Y38ME

Tgt Ion: 75 Resp: 37544

Ion Ratio Lower Upper

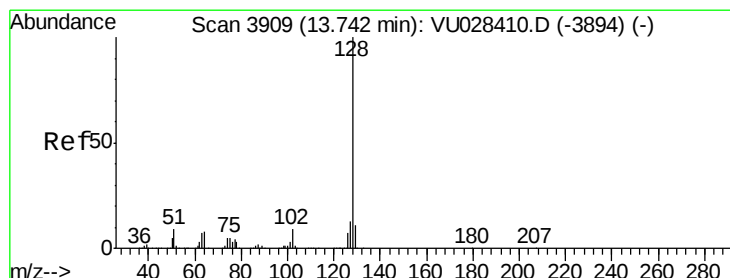
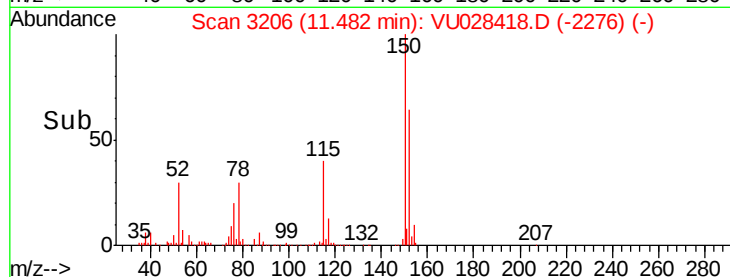
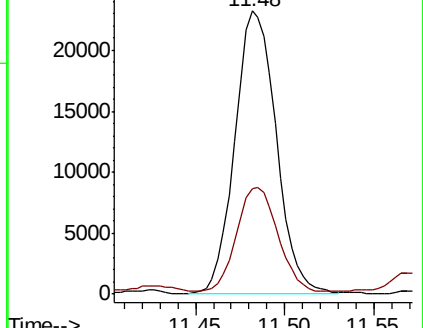
75 100

77 37.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU028418.D (-2882) (-)

Ion 77.00 (76.70 to 77.70): VU028418.D (-2882) (-)



#69

Naphthalene

Concen: 1.245 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU028418.D

Acq: 30 Nov 2018 13:13

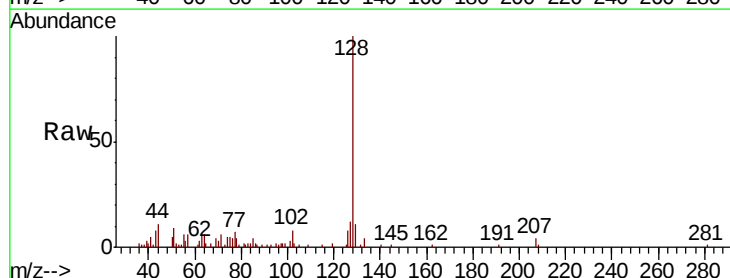
Tgt Ion: 128 Resp: 24745

Ion Ratio Lower Upper

128 100

127 12.0 10.4 15.6

129 11.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VU028418.D (-3894) (-)

Ion 127.00 (126.70 to 127.70): VU028418.D (-3894) (-)

Ion 129.00 (128.70 to 129.70): VU028418.D (-3894) (-)

