

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
 Data File : VU028417.D
 Acq On : 30 Nov 2018 12:50
 Operator : MD/SY
 Sample : J6077-06
 Misc : 6.06g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9Y41

Quant Time: Dec 01 00:47:14 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	399680	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	387380	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	198755	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	259152	72.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	144.94%#
7) Chloroethane-d5	1.72	69	332	0.12	ug/L	0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.24%#
11) 1,1-Dichloroethene-d2	2.24	63	355715	55.94	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.88%
21) 2-Butanone-d5	4.19	46	460350	156.86	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	156.86%#
24) Chloroform-d	4.64	84	425770	73.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	147.62%#
26) 1,2-Dichloroethane-d4	5.31	65	293126	74.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	149.24%#
32) Benzene-d6	5.33	84	908905	75.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	150.72%#
36) 1,2-Dichloropropane-d6	6.33	67	328566	75.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	151.02%#
41) Toluene-d8	7.56	98	815212	74.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	149.18%#
43) trans-1,3-Dichloropropene-	7.85	79	149766	76.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	152.46%#
47) 2-Hexanone-d5	8.32	63	352169	167.57	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	167.57%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	474683	85.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	170.68%#
64) 1,2-Dichlorobenzene-d4	11.86	152	320559	80.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	160.40%#

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	12160	2.355 ug/L	97
6) Bromomethane	1.60	94	1162	0.935 ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.24	101	2888	1.106 ug/L #	31
12) 1,1-Dichloroethene	2.24	96	2643	1.048 ug/L #	1
13) Acetone	2.34	43	5058	1.657 ug/L	92
15) Methyl Acetate	2.60	43	14012	3.102 ug/L #	66
16) Methylene chloride	2.68	84	2148	0.658 ug/L	95
29) Cyclohexane	4.98	56	55298	8.796 ug/L	86
33) Benzene	5.38	78	228788	17.193 ug/L	100
35) Methylcyclohexane	6.41	83	107756	19.455 ug/L	92
39) cis-1,3-Dichloropropene	7.23	75	8598	1.535 ug/L #	60
42) Toluene	7.64	91	87311	6.447 ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	6409	1.249 ug/L #	58
45) 1,1,2-Trichloroethane	8.04	97	16303	5.314 ug/L #	19
48) 2-Hexanone	8.32	43	66167	12.622 ug/L #	51
52) Ethylbenzene	9.25	91	73742	4.929 ug/L	98
53) m,p-Xylene	9.38	106	59014	11.061 ug/L	97

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QLast Update : Fri Nov 30 23:11:27 2018
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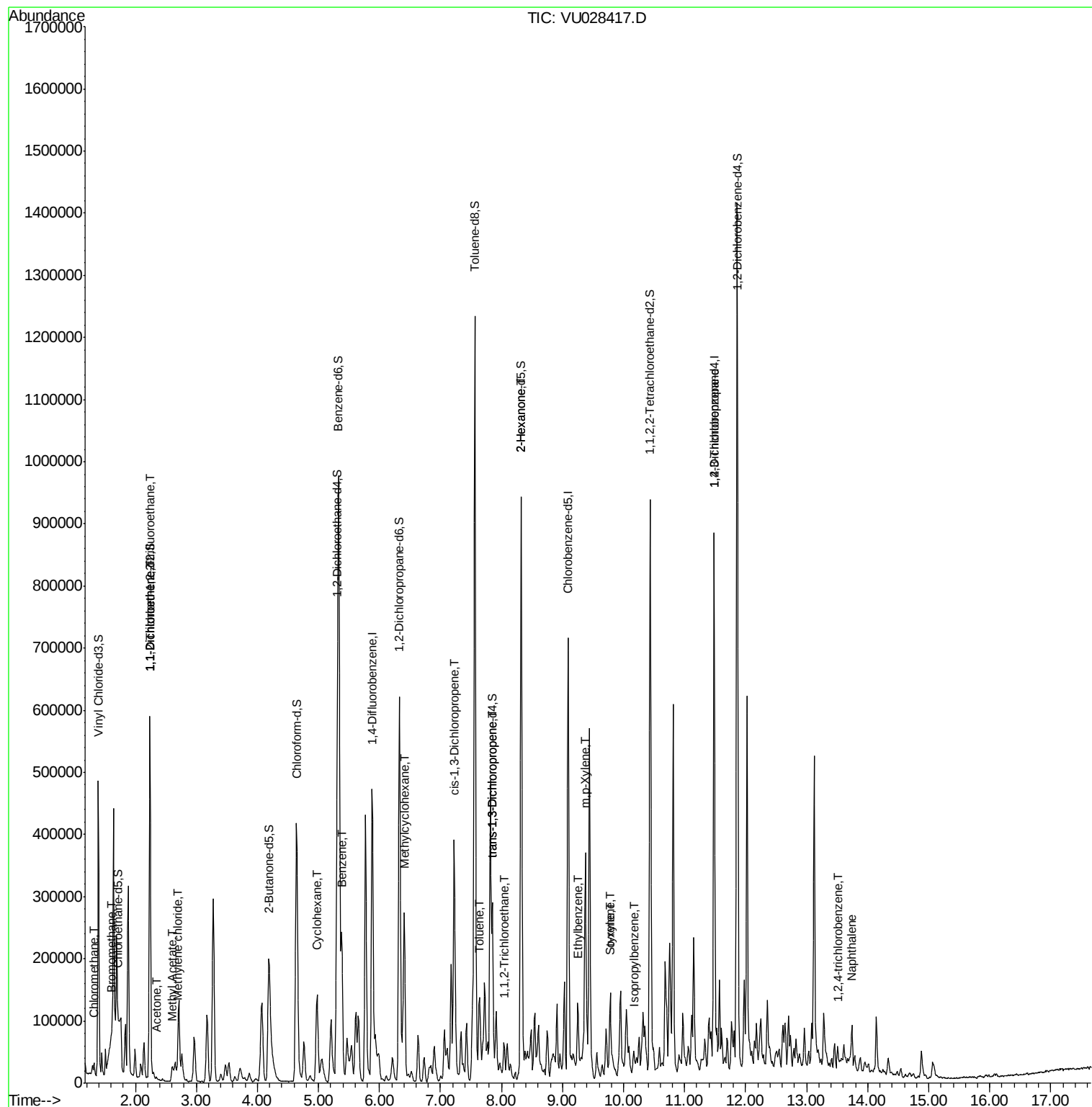
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.78	106	33772	6.391	ug/L	97
55) Styrene	9.79	104	3727	0.412	ug/L #	26
56) Isopropylbenzene	10.17	105	13646	0.979	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	29976	6.693	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	2640	0.595	ug/L #	82
69) Naphthalene	13.74	128	47273	3.055	ug/L	100

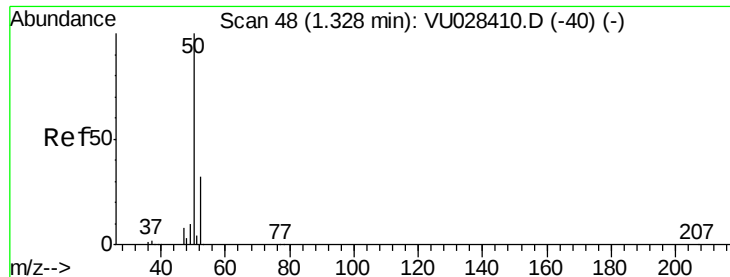
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 2.355 ug/L

RT: 1.32 min Scan# 46

Delta R.T. -0.01 min

Lab File: VU028417.D

Acq: 30 Nov 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

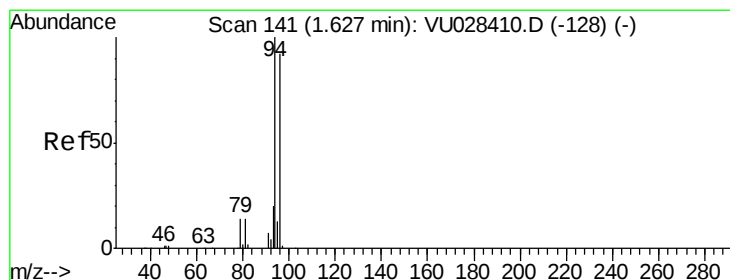
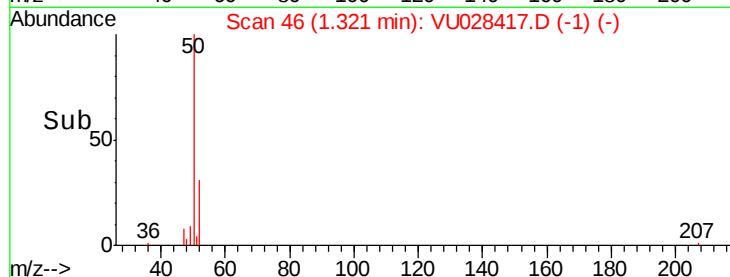
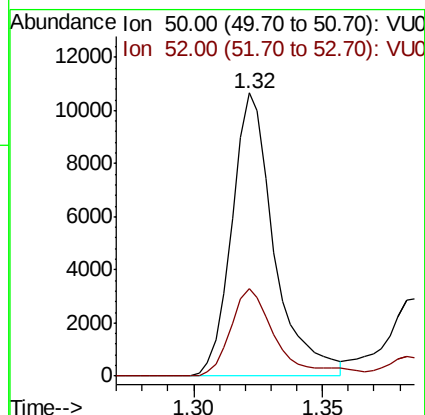
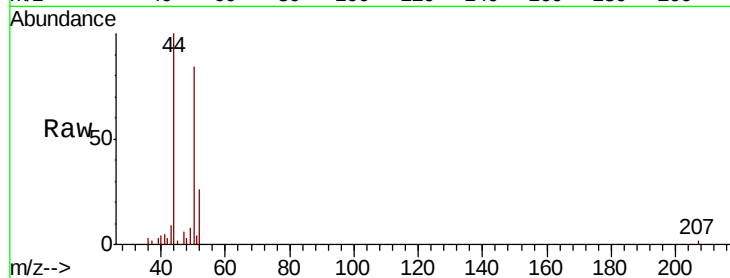
F9Y41

Tgt Ion: 50 Resp: 12160

Ion Ratio Lower Upper

50 100

52 30.7 22.6 42.0



#6

Bromomethane

Concen: 0.935 ug/L

RT: 1.60 min Scan# 132

Delta R.T. -0.03 min

Lab File: VU028417.D

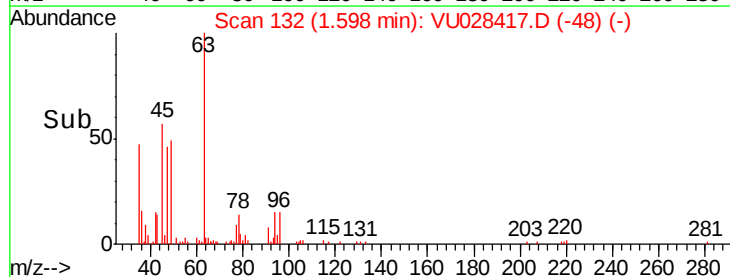
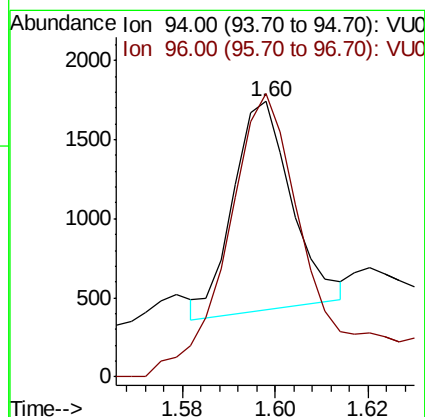
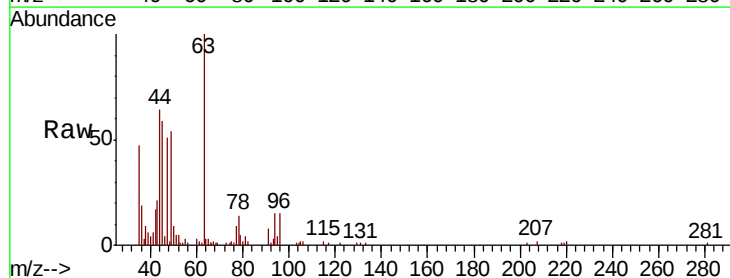
Acq: 30 Nov 2018 12:50

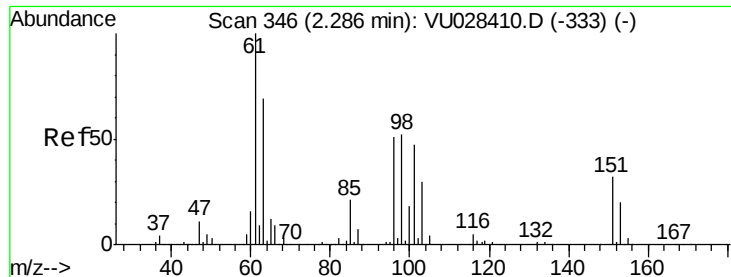
Tgt Ion: 94 Resp: 1162

Ion Ratio Lower Upper

94 100

96 102.7 64.5 119.9





#10

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

Concen: 1.106 ug/L

RT: 2.24 min Scan# 332

Delta R.T. -0.04 min

Lab File: VU028417.D

Acq: 30 Nov 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

F9Y41

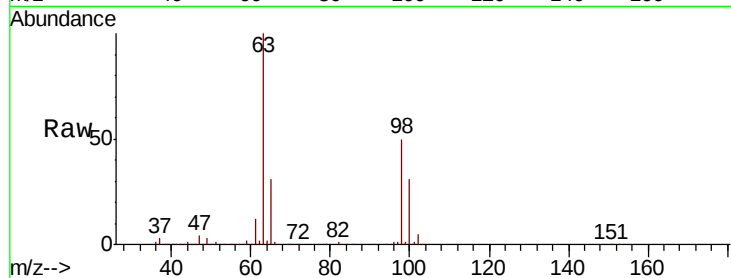
Tgt Ion: 101 Resp: 2888

Ion Ratio Lower Upper

101 100

85 0.0 36.5 54.7#

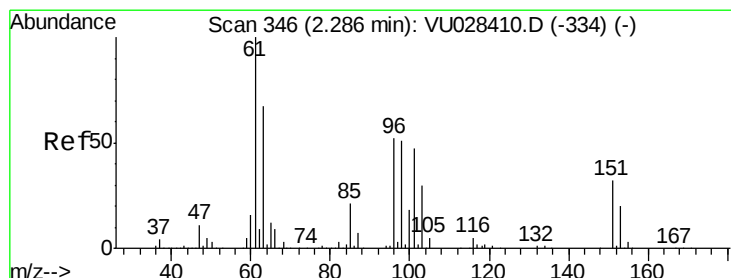
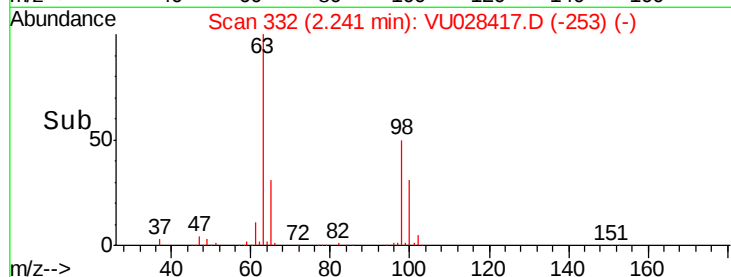
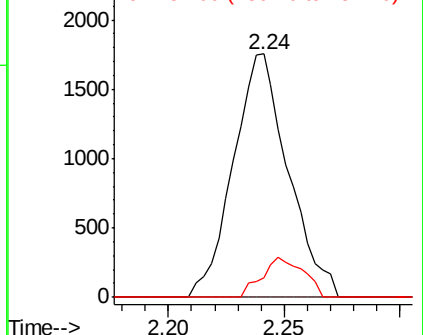
151 12.3 55.0 82.6#



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: 1.048 ug/L

RT: 2.24 min Scan# 332

Delta R.T. -0.04 min

Lab File: VU028417.D

Acq: 30 Nov 2018 12:50

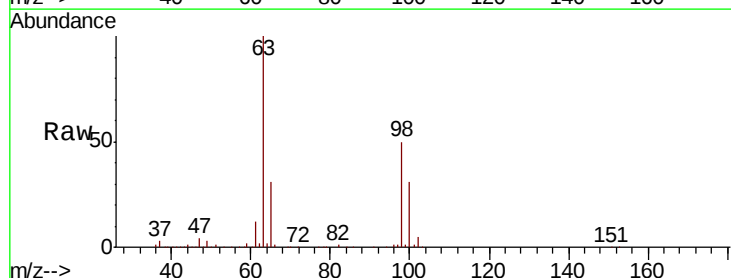
Tgt Ion: 96 Resp: 2643

Ion Ratio Lower Upper

96 100

61 1432.4 136.2 252.9#

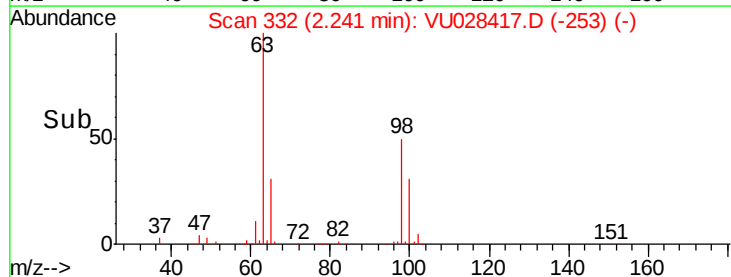
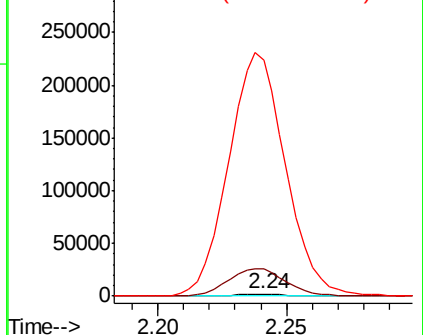
63 12444.2 95.5 177.4#

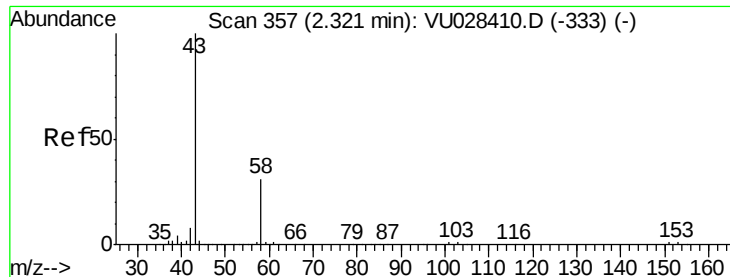


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.657 ug/L

RT: 2.34 min Scan# 363

Delta R.T. 0.02 min

Lab File: VU028417.D

Acq: 30 Nov 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

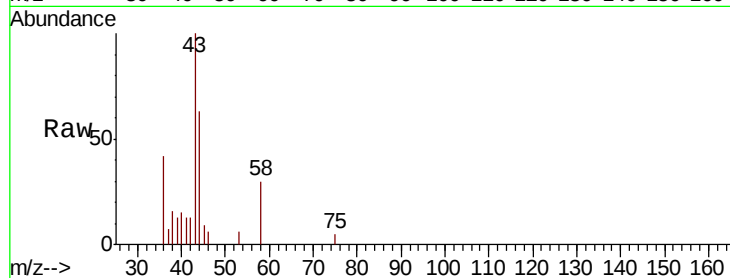
F9Y41

Tgt Ion: 43 Resp: 5058

Ion Ratio Lower Upper

43 100

58 26.9 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

3000

2500

2000

1500

1000

500

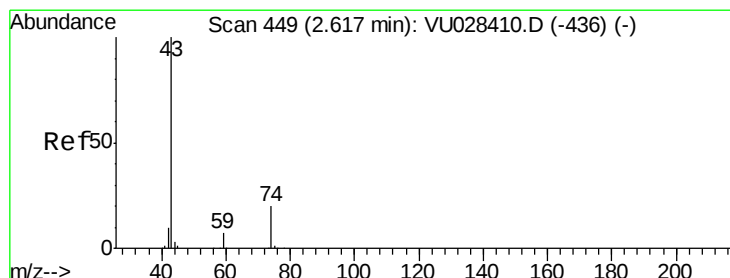
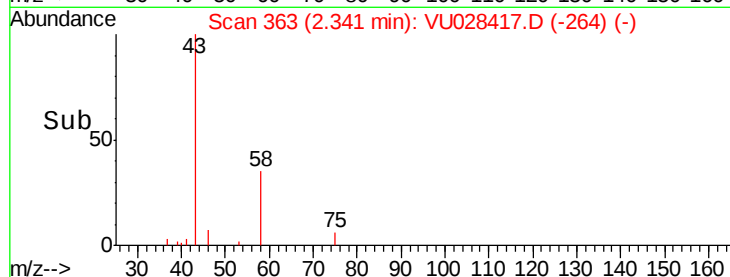
0

2.30

2.35

2.40

Time-->



#15

Methyl Acetate

Concen: 3.102 ug/L

RT: 2.60 min Scan# 444

Delta R.T. -0.02 min

Lab File: VU028417.D

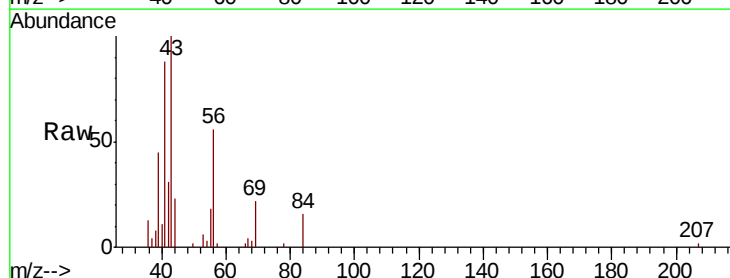
Acq: 30 Nov 2018 12:50

Tgt Ion: 43 Resp: 14012

Ion Ratio Lower Upper

43 100

74 4.5 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

15000

10000

5000

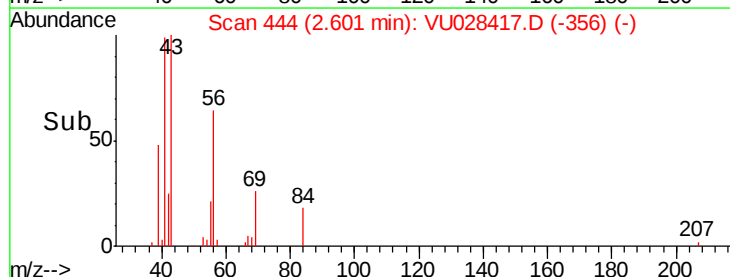
0

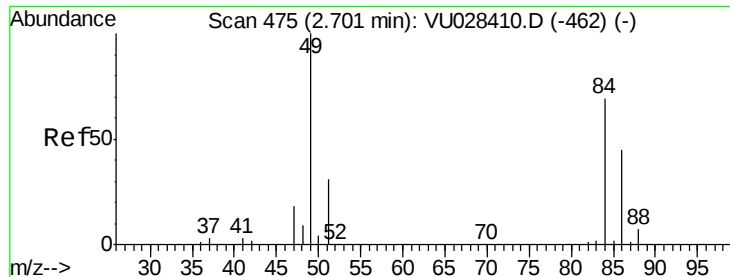
2.55

2.60

2.65

Time-->

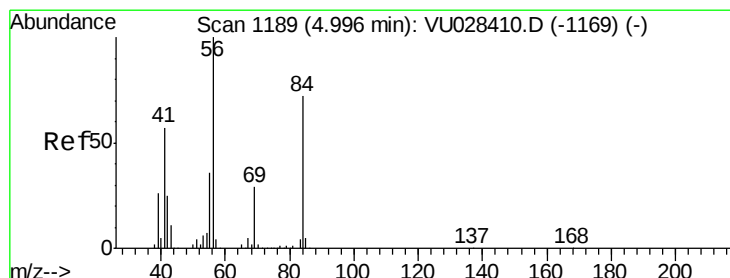
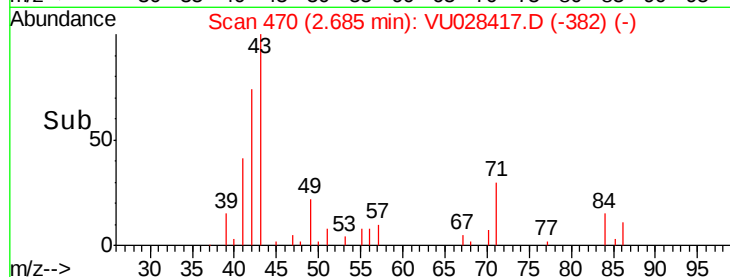
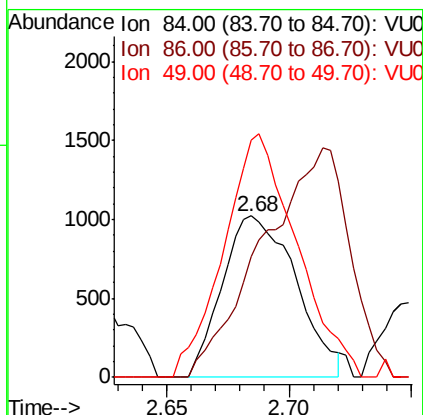
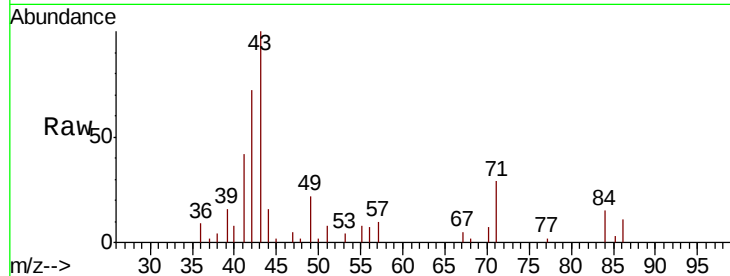




#16
Methylene chloride
Concen: 0.658 ug/L
RT: 2.68 min Scan# 470
Delta R.T. -0.02 min
Lab File: VU028417.D
Acq: 30 Nov 2018 12:50

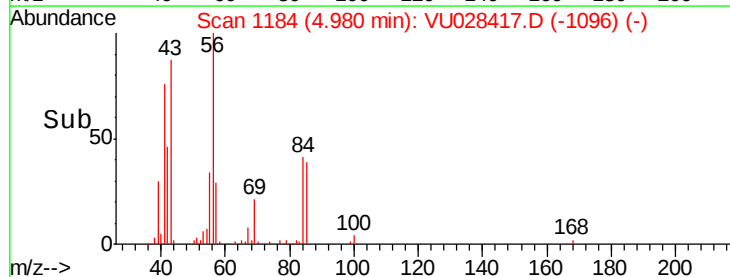
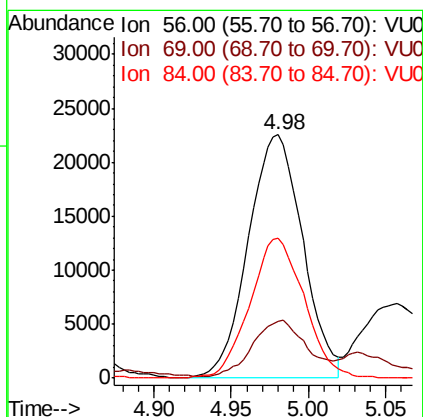
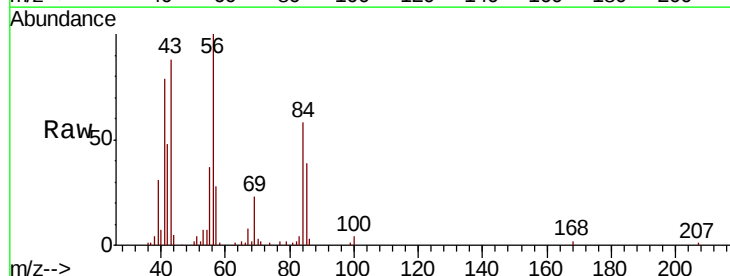
Instrument :
MSVOA_U
ClientSampled :
F9Y41

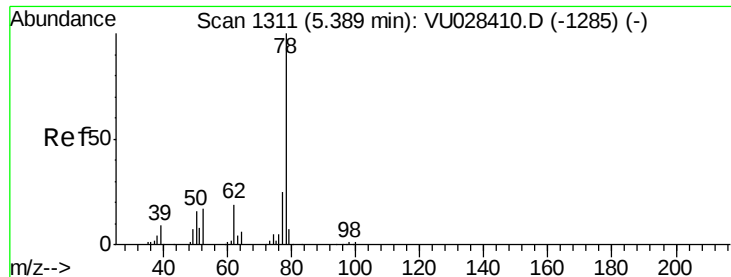
Tgt Ion: 84 Resp: 2148
Ion Ratio Lower Upper
84 100
86 74.6 45.6 84.8
49 146.9 101.3 188.1



#29
Cyclohexane
Concen: 8.796 ug/L
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028417.D
Acq: 30 Nov 2018 12:50

Tgt Ion: 56 Resp: 55298
Ion Ratio Lower Upper
56 100
69 23.1 22.5 33.7
84 57.3 56.6 85.0





#33

Benzene

Concen: 17.193 ug/L

RT: 5.38 min Scan# 1309

Delta R.T. -0.01 min

Lab File: VU028417.D

Acq: 30 Nov 2018 12:50

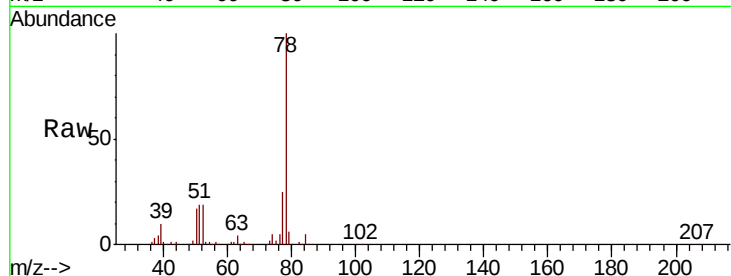
Instrument :

MSVOA_U

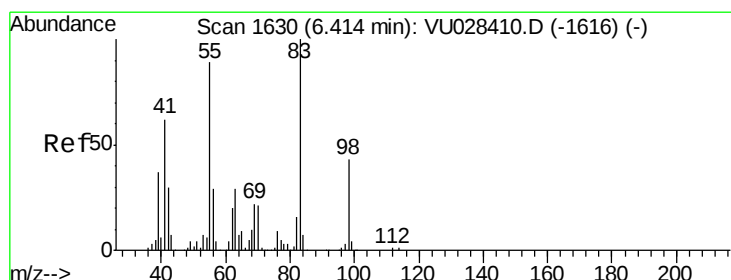
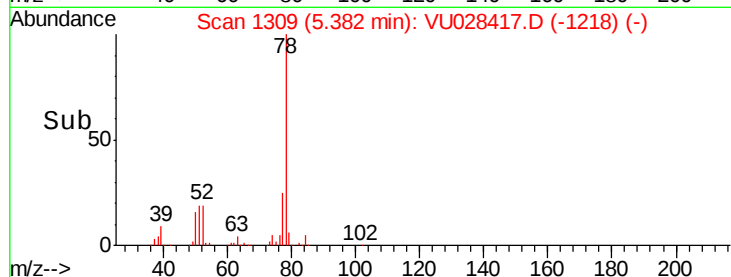
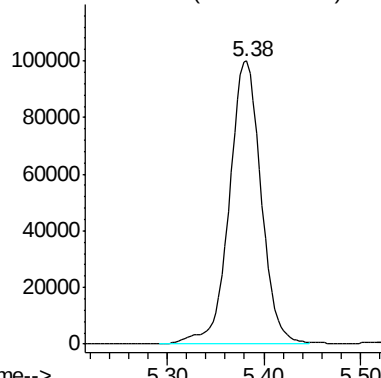
ClientSampleId :

F9Y41

Tgt Ion: 78 Resp: 228788



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 19.455 ug/L

RT: 6.41 min Scan# 1628

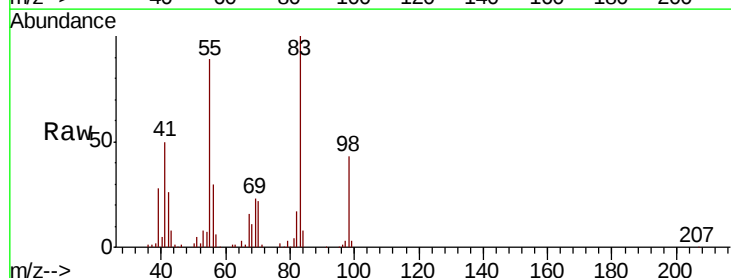
Delta R.T. -0.01 min

Lab File: VU028417.D

Acq: 30 Nov 2018 12:50

Tgt Ion: 83 Resp: 107756

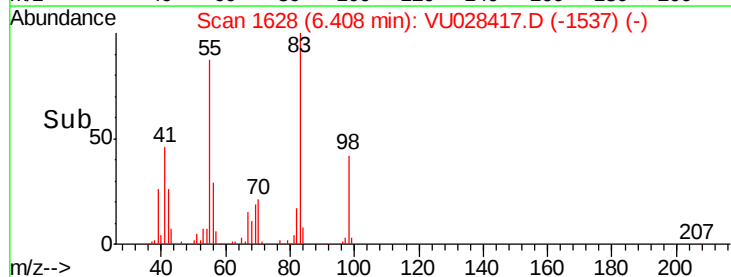
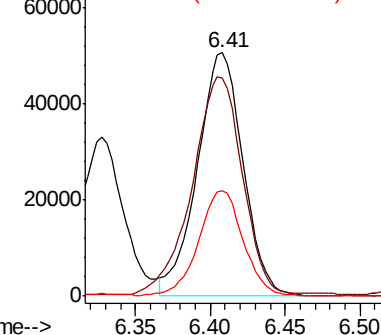
Ion	Ratio	Lower	Upper
83	100		
55	98.2	70.5	105.7
98	42.2	34.6	52.0

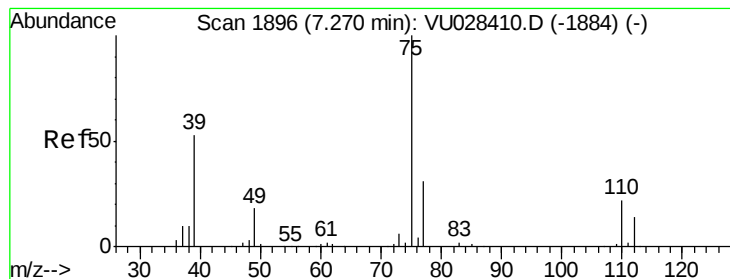


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



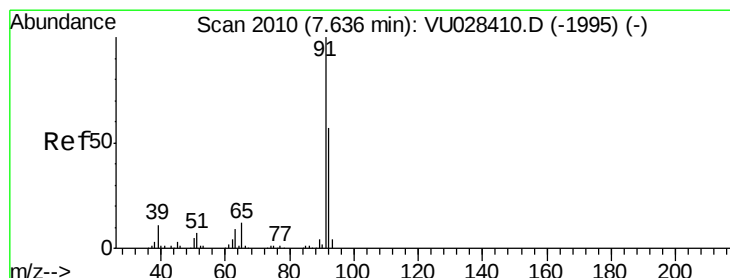
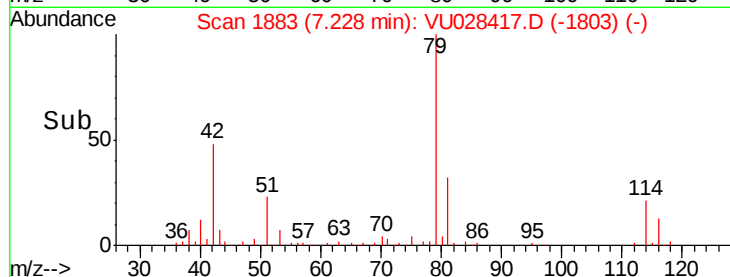
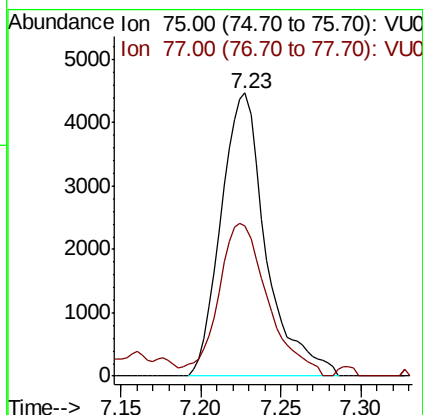
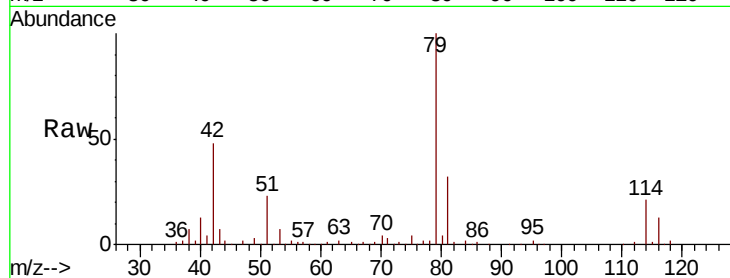


#39

cis-1,3-Dichloropropene
 Concen: 1.535 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028417.D
 Acq: 30 Nov 2018 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 F9Y41

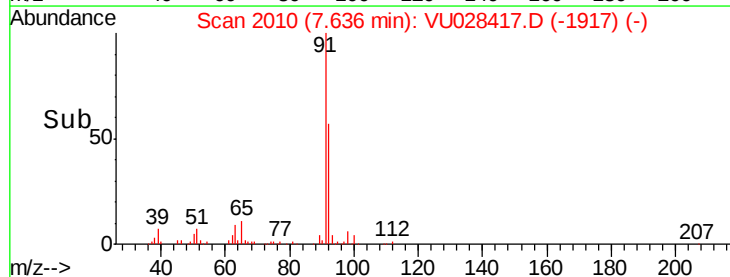
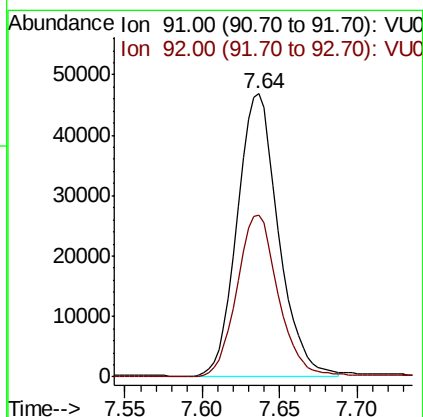
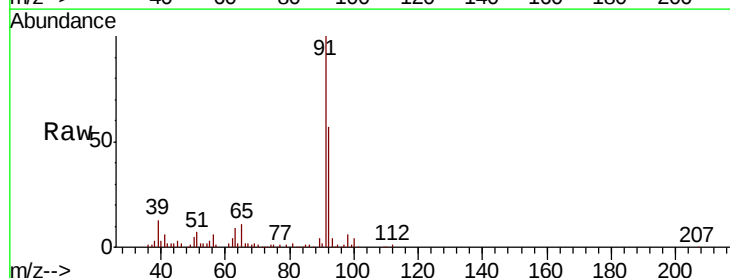
Tgt Ion: 75 Resp: 8598
 Ion Ratio Lower Upper
 75 100
 77 53.3 21.9 40.7#

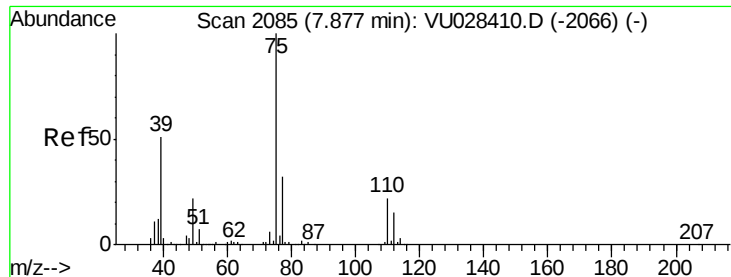


#42

Toluene
 Concen: 6.447 ug/L
 RT: 7.64 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU028417.D
 Acq: 30 Nov 2018 12:50

Tgt Ion: 91 Resp: 87311
 Ion Ratio Lower Upper
 91 100
 92 57.4 40.1 74.5





#44

trans-1,3-Dichloropropene

Concen: 1.249 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028417.D

Acq: 30 Nov 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

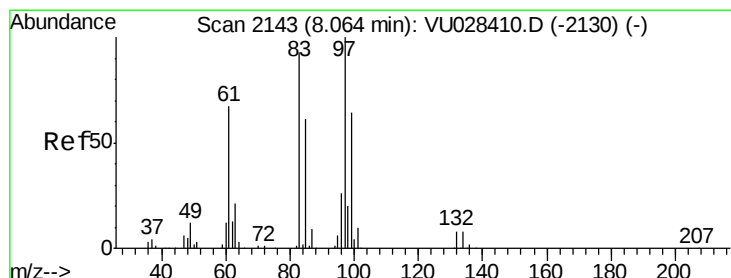
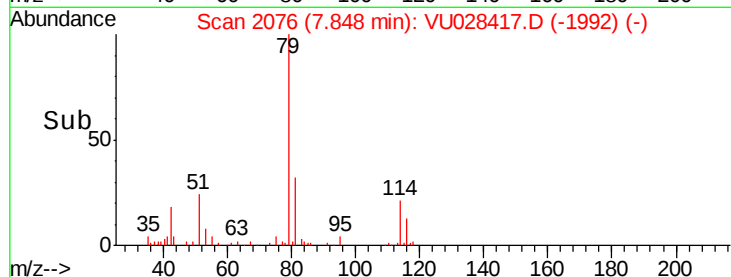
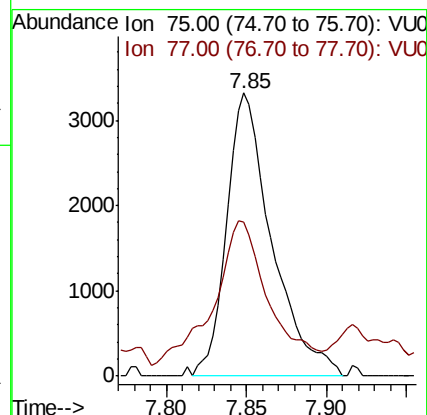
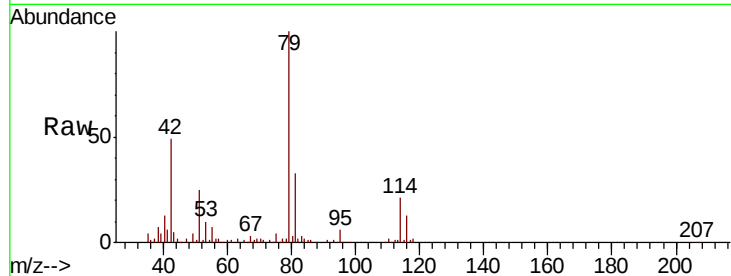
F9Y41

Tgt Ion: 75 Resp: 6409

Ion Ratio Lower Upper

75 100

77 54.6 22.1 41.1#



#45

1,1,2-Trichloroethane

Concen: 5.314 ug/L

RT: 8.04 min Scan# 2136

Delta R.T. -0.02 min

Lab File: VU028417.D

Acq: 30 Nov 2018 12:50

Tgt Ion: 97 Resp: 16303

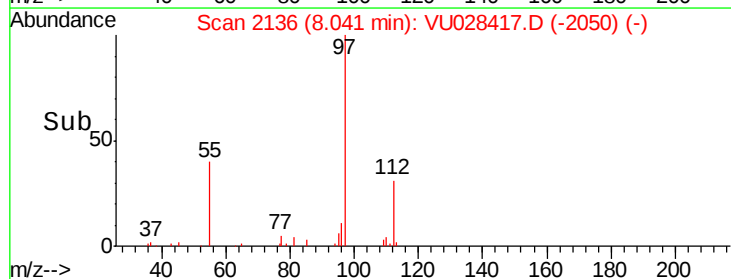
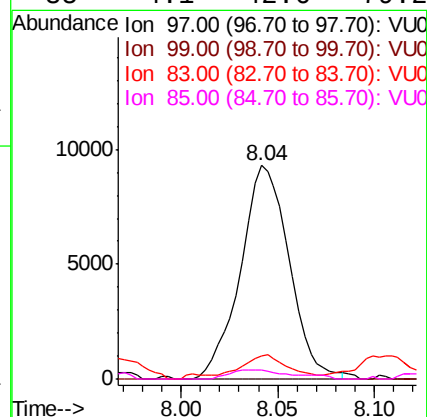
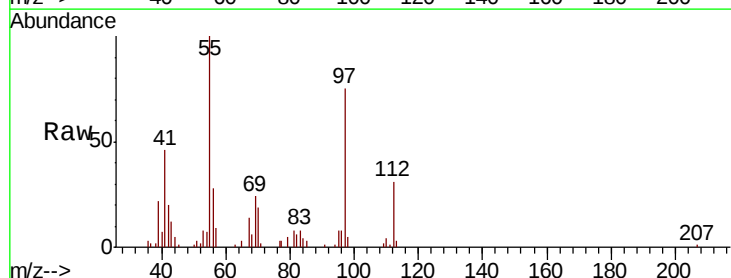
Ion Ratio Lower Upper

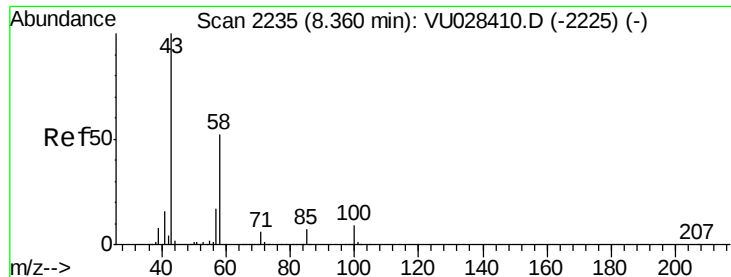
97 100

99 0.0 44.9 83.3#

83 11.0 65.1 120.9#

85 4.1 42.6 79.2#

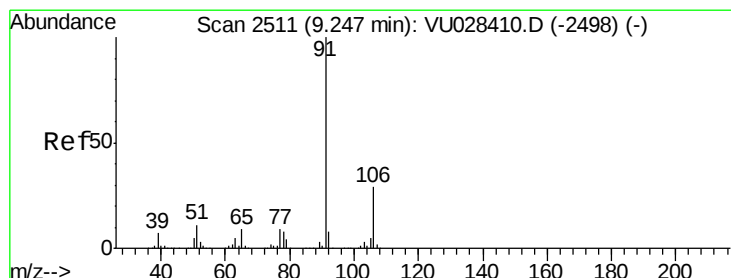
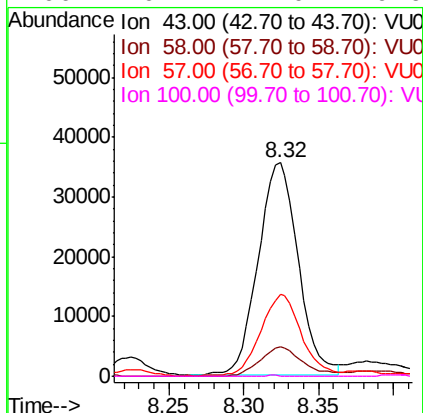
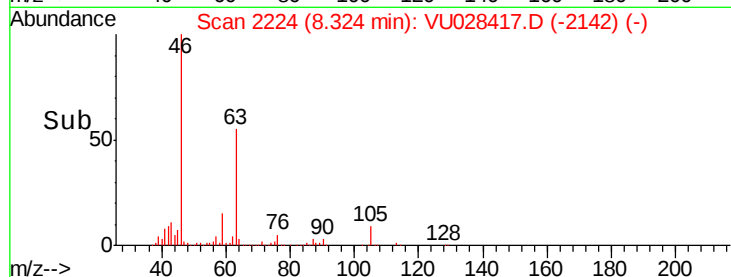
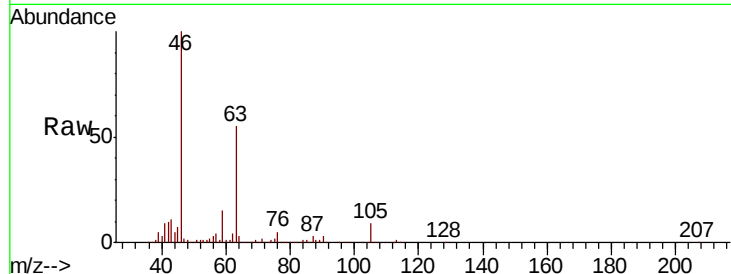




#48
2-Hexanone
Concen: 12.622 ug/L
RT: 8.32 min Scan# 2224
Delta R.T. -0.04 min
Lab File: VU028417.D
Acq: 30 Nov 2018 12:50

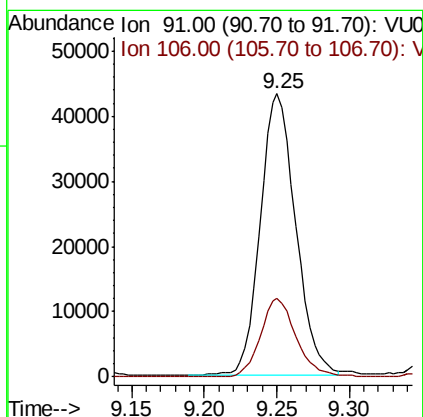
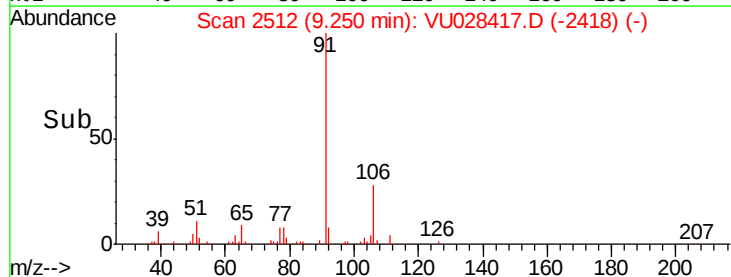
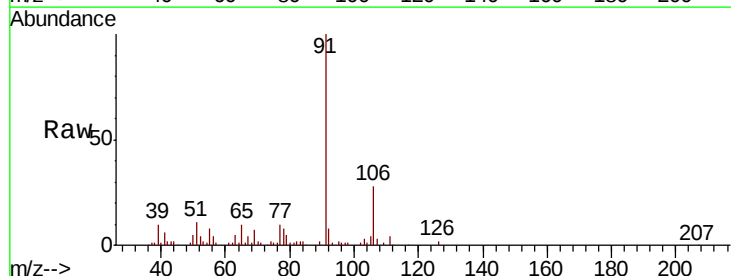
Instrument :
MSVOA_U
ClientSampled :
F9Y41

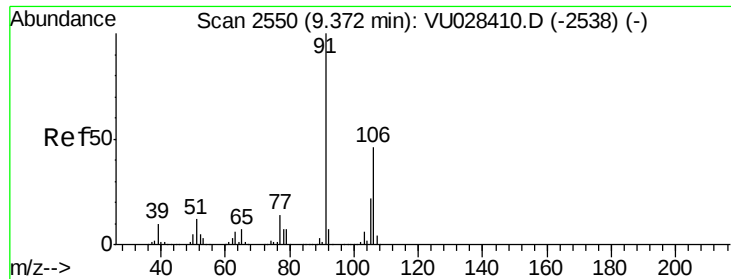
Tgt Ion: 43 Resp: 66167
Ion Ratio Lower Upper
43 100
58 14.7 41.4 62.0#
57 39.5 14.0 21.0#
100 0.1 7.0 10.6#



#52
Ethylbenzene
Concen: 4.929 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028417.D
Acq: 30 Nov 2018 12:50

Tgt Ion: 91 Resp: 73742
Ion Ratio Lower Upper
91 100
106 27.8 20.2 37.6





#53

m,p-Xylene

Concen: 11.061 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028417.D

Acq: 30 Nov 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

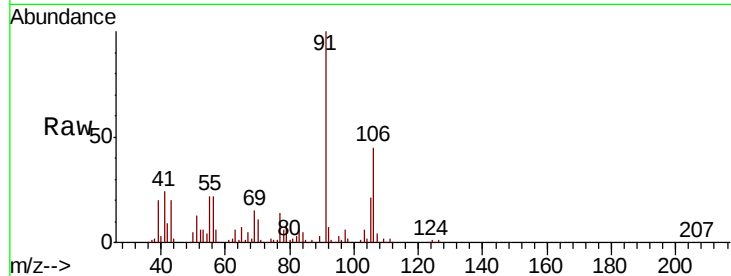
F9Y41

Tgt Ion:106 Resp: 59014

Ion Ratio Lower Upper

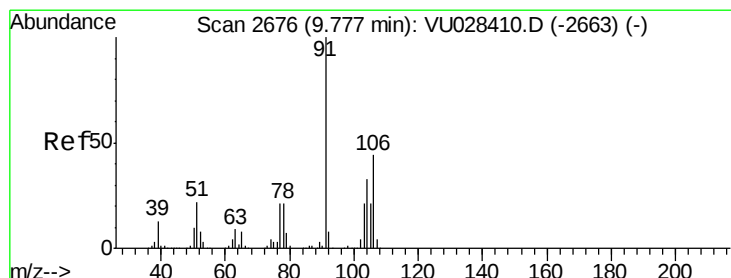
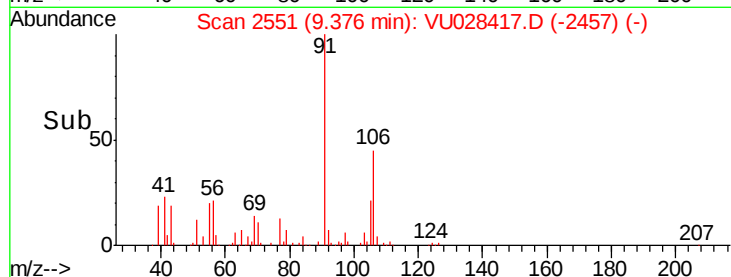
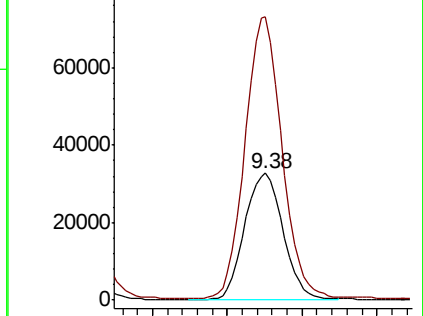
106 100

91 223.3 152.9 283.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 6.391 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU028417.D

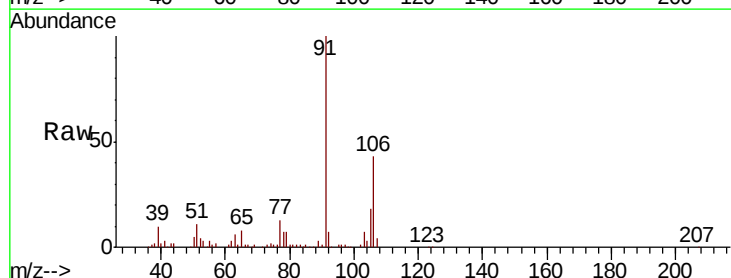
Acq: 30 Nov 2018 12:50

Tgt Ion:106 Resp: 33772

Ion Ratio Lower Upper

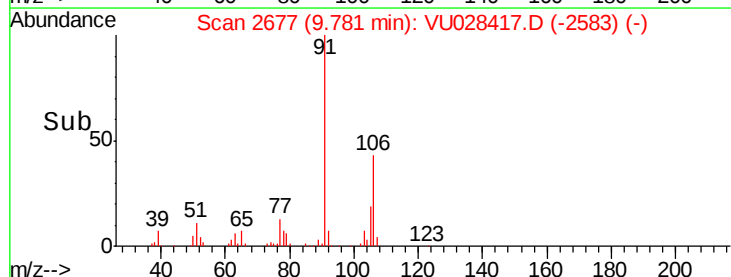
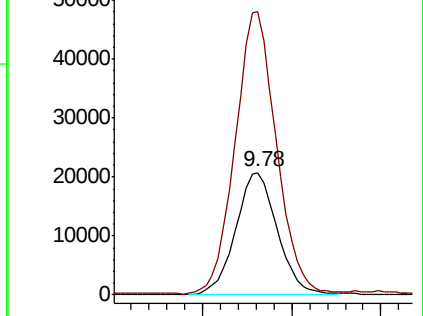
106 100

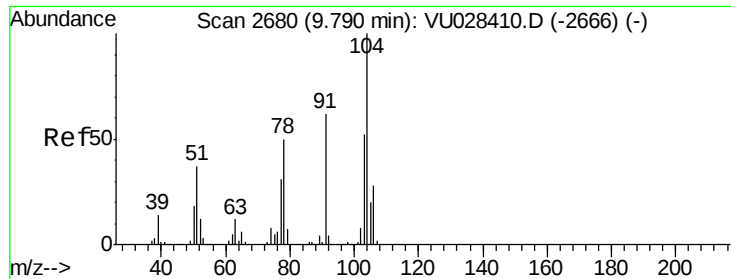
91 231.8 158.4 294.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

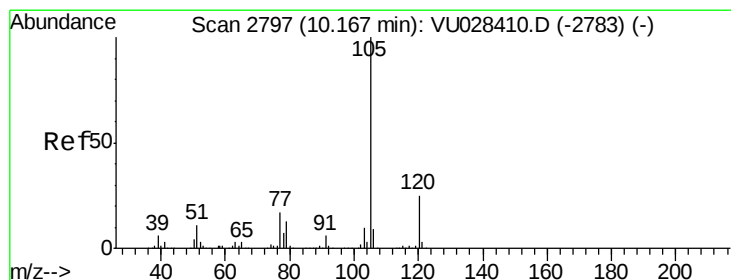
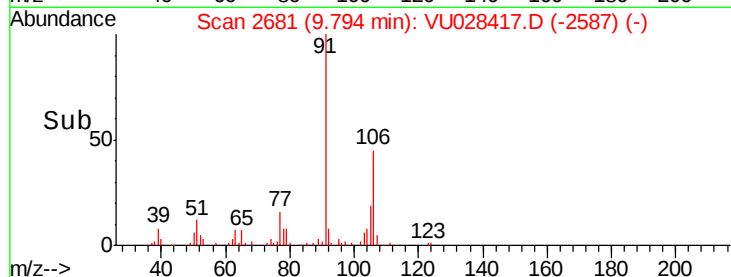
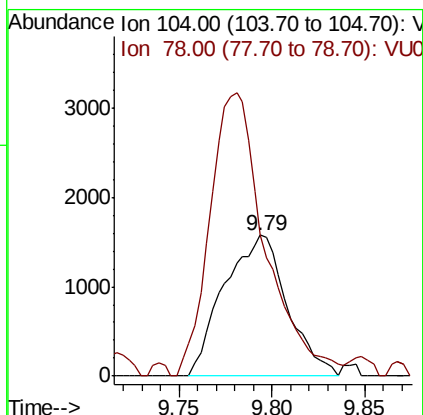
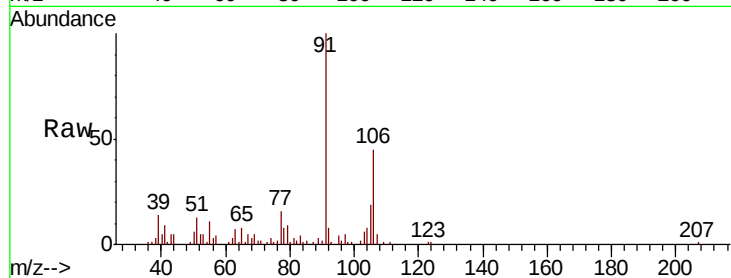




#55
Styrene
Concen: 0.412 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028417.D
Acq: 30 Nov 2018 12:50

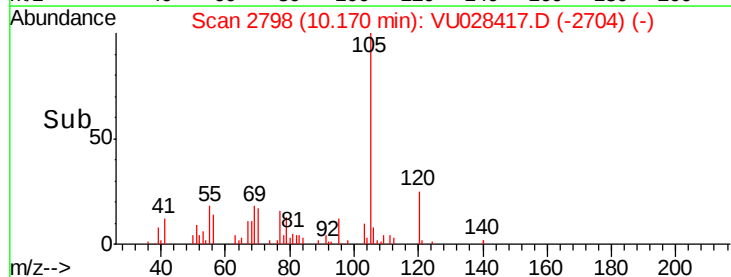
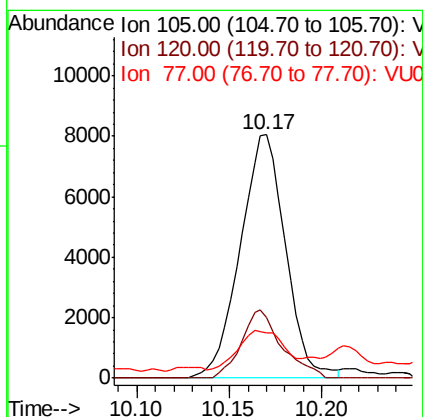
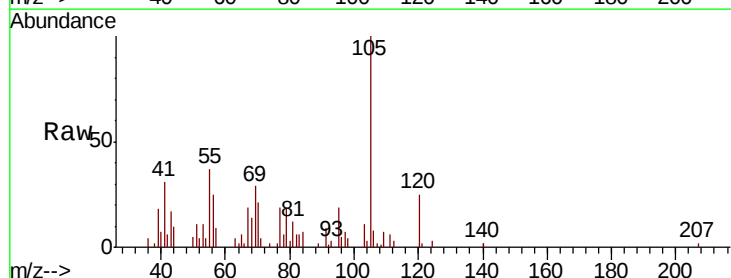
Instrument :
MSVOA_U
ClientSampleId :
F9Y41

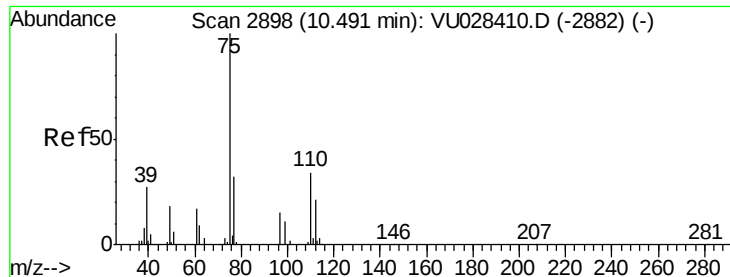
Tgt Ion:104 Resp: 3727
Ion Ratio Lower Upper
104 100
78 100.8 35.0 65.0#



#56
Isopropylbenzene
Concen: 0.979 ug/L
RT: 10.17 min Scan# 2798
Delta R.T. 0.00 min
Lab File: VU028417.D
Acq: 30 Nov 2018 12:50

Tgt Ion:105 Resp: 13646
Ion Ratio Lower Upper
105 100
120 24.9 20.1 30.1
77 15.6 13.4 20.0





#59

1,2,3-Trichloropropane

Concen: 6.693 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028417.D

Acq: 30 Nov 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

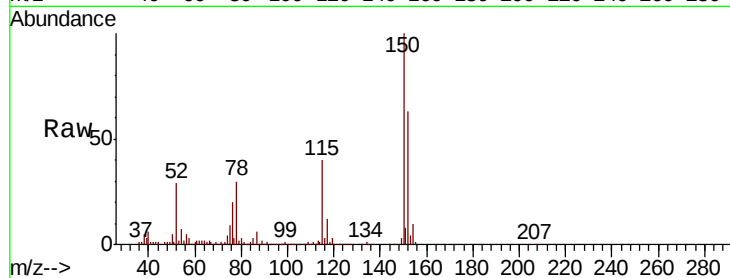
F9Y41

Tgt Ion: 75 Resp: 29976

Ion Ratio Lower Upper

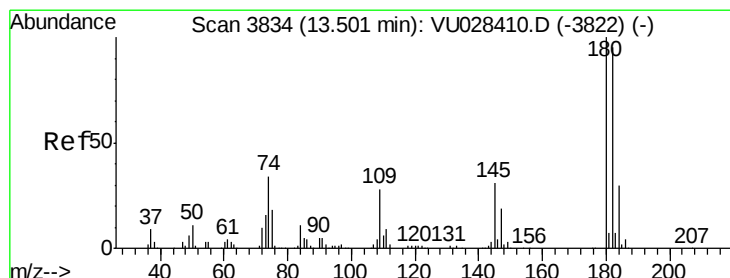
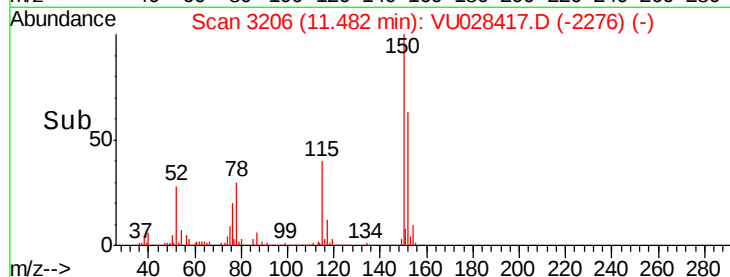
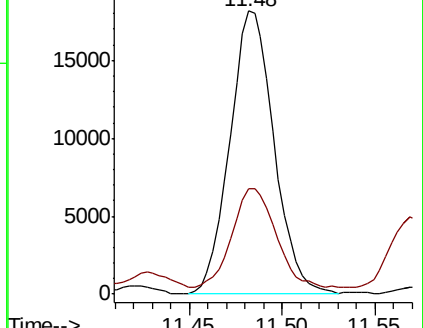
75 100

77 34.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU028417.D (-2276) (-)

Ion 77.00 (76.70 to 77.70): VU028417.D (-2276) (-)



#68

1,2,4-trichlorobenzene

Concen: 0.595 ug/L

RT: 13.50 min Scan# 3834

Delta R.T. 0.00 min

Lab File: VU028417.D

Acq: 30 Nov 2018 12:50

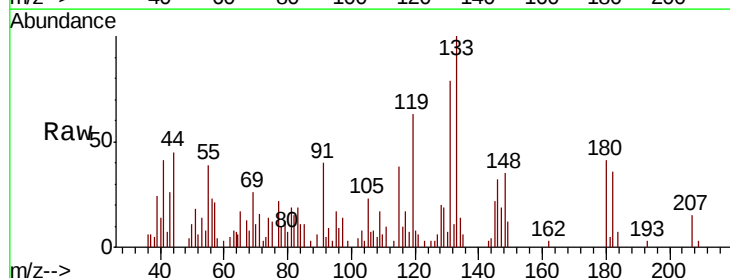
Tgt Ion: 180 Resp: 2640

Ion Ratio Lower Upper

180 100

182 91.6 76.0 114.0

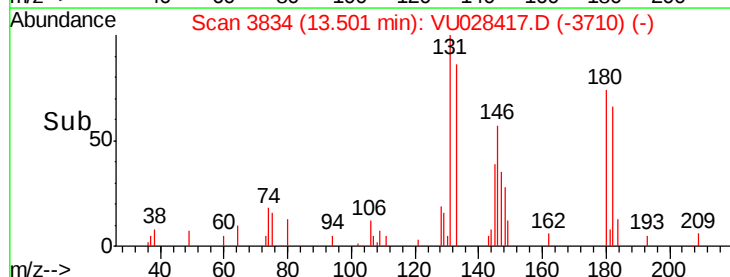
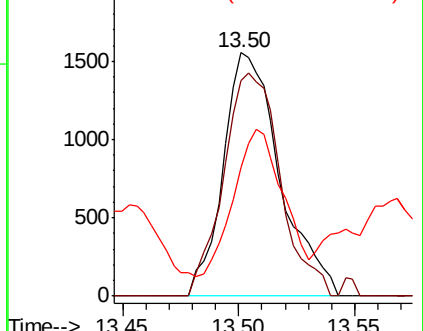
145 65.3 24.2 36.2#

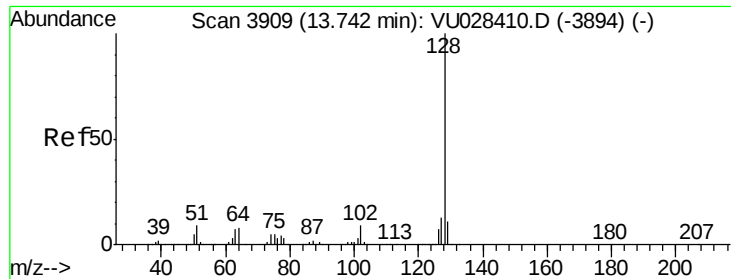


Abundance Ion 180.00 (179.70 to 180.70): VU028417.D (-3710) (-)

Ion 182.00 (181.70 to 182.70): VU028417.D (-3710) (-)

Ion 145.00 (144.70 to 145.70): VU028417.D (-3710) (-)





#69

Naphthalene

Concen: 3.055 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028417.D

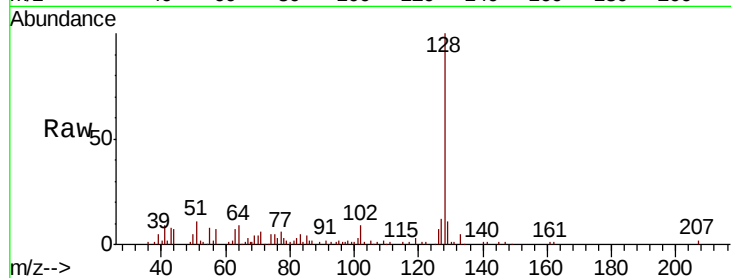
Acq: 30 Nov 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

F9Y41



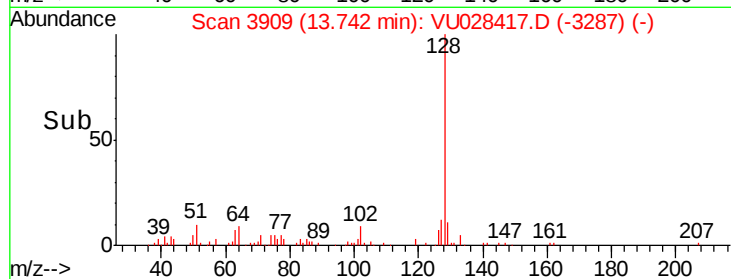
Tgt Ion:128 Resp: 47273

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 10.7 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

