

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111318\
 Data File : VU028096.D
 Acq On : 13 Nov 2018 16:54
 Operator : MD/SY
 Sample : J5921-05RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 06:59:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	258922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	475529	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	424819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	183694	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	198159	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
35) Dibromofluoromethane	4.88	113	154081	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
50) Toluene-d8	7.57	98	613234	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
62) 4-Bromofluorobenzene	10.31	95	206732	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.60	94	366	0.278	ug/l	99
10) Methyl Iodide	2.41	142	107	7.796	ug/l #	40
11) Tert butyl alcohol	2.84	59	30165	29.600	ug/l	96
13) Acrolein	2.20	56	368	Below Cal	#	1
15) Acrylonitrile	3.00	53	1759	0.703	ug/l #	26
16) Acetone	2.32	43	690765	289.218	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	174623	15.957	ug/l	99
20) Methylene Chloride	2.70	84	1185	0.340	ug/l	87
25) 2-Butanone	4.26	43	339821	89.434	ug/l	94
28) Bromochloromethane	4.64	49	1157	0.362	ug/l #	23
29) Tetrahydrofuran	4.64	42	725218	285.832	ug/l	94
31) Cyclohexane	4.99	56	21436	1.566	ug/l #	58
36) 1,1-Dichloropropene	4.98	75	21559	4.329	ug/l #	51
37) Ethyl Acetate	4.26	43	339821	46.567	ug/l #	71
38) Carbon Tetrachloride	4.98	117	25664	5.815	ug/l #	16
39) Methylcyclohexane	6.41	83	5750	0.957	ug/l	99
40) Benzene	5.39	78	210292	13.811	ug/l	98
41) Methacrylonitrile	4.64	41	388388	99.730	ug/l #	48
42) 1,2-Dichloroethane	5.40	62	13618	2.516	ug/l	99
43) Isopropyl Acetate	5.56	43	8184	0.716	ug/l #	81
51) 4-Methyl-2-Pentanone	7.46	43	41415	5.424	ug/l	98
52) Toluene	7.64	92	365878	40.872	ug/l	100
53) t-1,3-Dichloropropene	7.64	75	4023	1.770	ug/l #	1
55) 1,1,2-Trichloroethane	7.94	97	4806	1.320	ug/l #	22
59) 2-Hexanone	8.37	43	50320	8.521	ug/l	100
60) Dibromochloromethane	8.23	129	1736	0.504	ug/l #	10
64) Tetrachloroethene	8.23	164	1644	0.597	ug/l	96
67) Ethyl Benzene	9.25	91	83996	5.084	ug/l	99
68) m/p-Xylenes	9.37	106	342251	57.096	ug/l	100
69) o-Xylene	9.78	106	215660	35.629	ug/l	99
70) Styrene	9.78	104	10028	1.037	ug/l #	1
73) Isopropylbenzene	10.17	105	5581	0.392	ug/l	95
74) N-amyl acetate	10.07	43	36742	4.270	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	10.49	83	2734	0.476	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

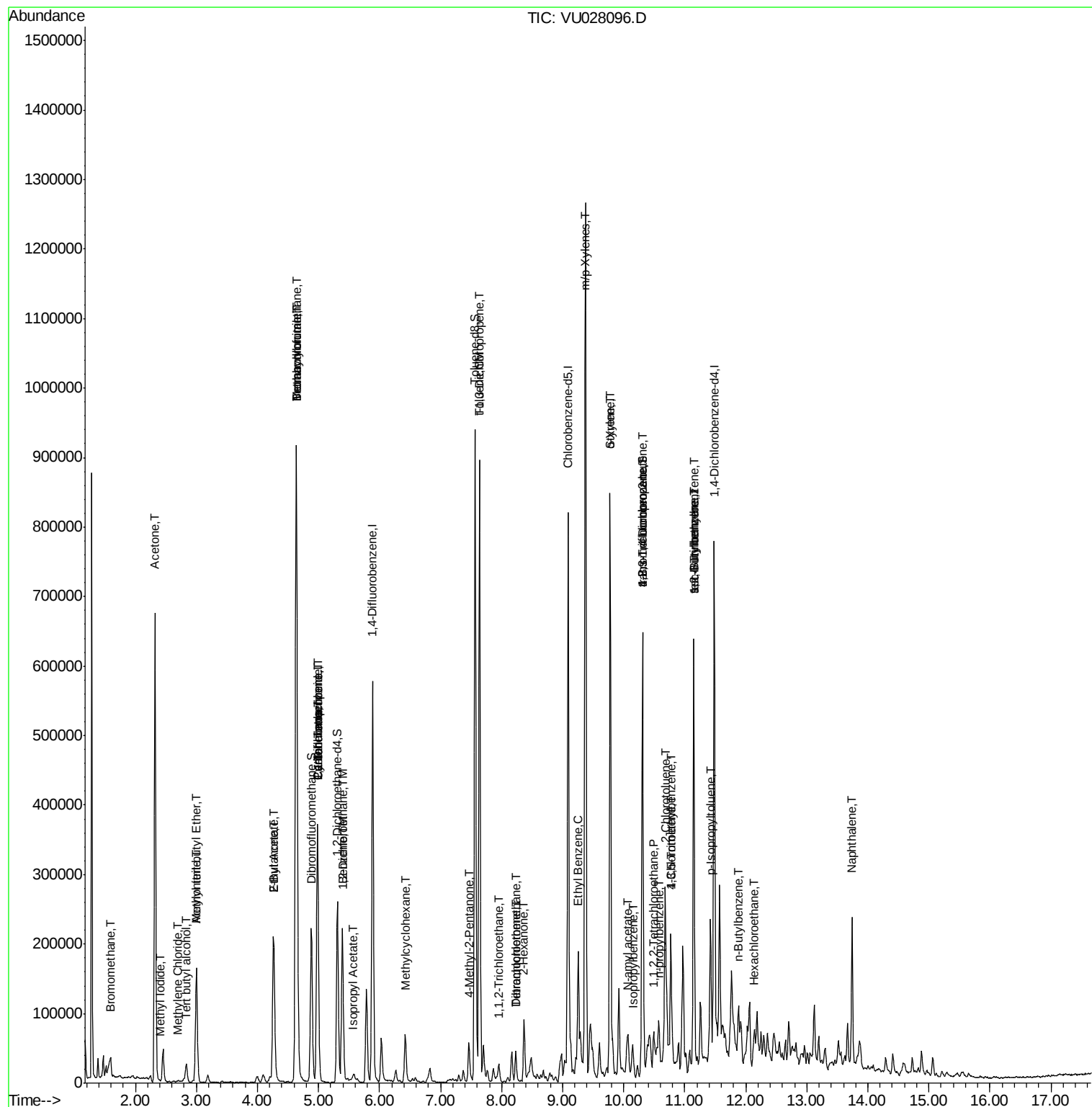
76) 1,2,3-Trichloropropane	10.31	75	103841	20.667	ug/l #	36
78) n-propylbenzene	10.59	91	14138	0.830	ug/l	89
79) 2-Chlorotoluene	10.68	91	23557	2.307	ug/l #	45
80) 1,3,5-Trimethylbenzene	10.77	105	75516	6.406	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.31	75	103841	51.592	ug/l #	100
82) 4-Chlorotoluene	10.77	91	8831	0.762	ug/l #	62
83) tert-Butylbenzene	11.15	119	36685	3.113	ug/l #	64
84) 1,2,4-Trimethylbenzene	11.15	105	307098	25.871	ug/l	100
85) sec-Butylbenzene	11.15	105	307098	21.427	ug/l #	59
86) p-Isopropyltoluene	11.42	119	4408	0.368	ug/l	97
89) n-Butylbenzene	11.88	91	5806	0.510	ug/l #	1
90) Hexachloroethane	12.15	117	1815	0.851	ug/l #	11
95) Naphthalene	13.74	128	161990	10.608	ug/l	99

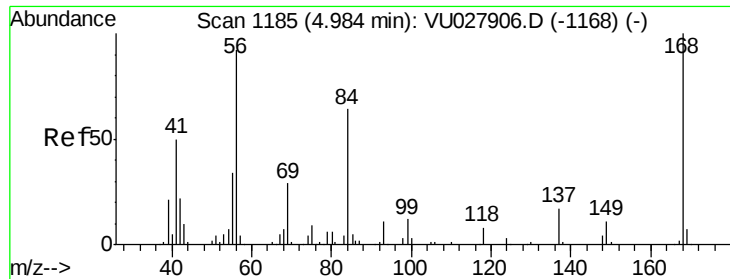
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

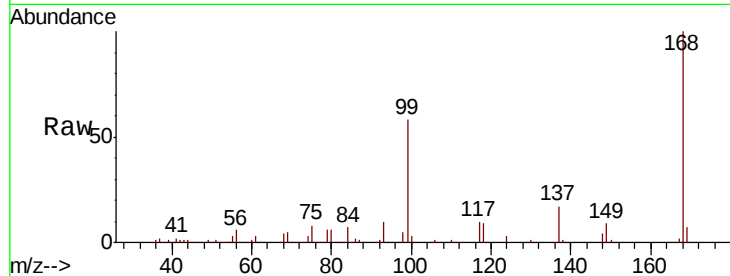
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 258922

Ion Ratio Lower Upper

168 100

99 58.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.98

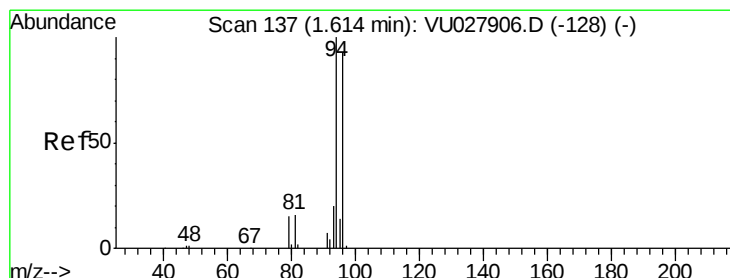
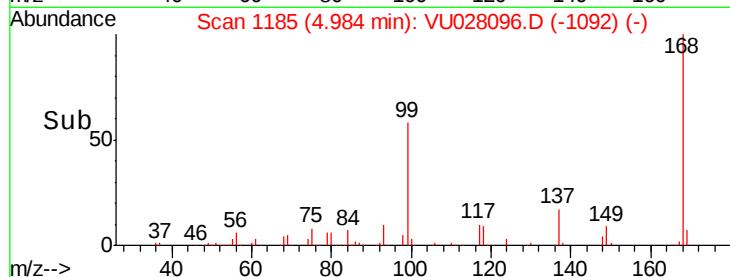
100000

50000

0

Time-->

4.90 5.00 5.10



#5

Bromomethane

Concen: 0.278 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU028096.D

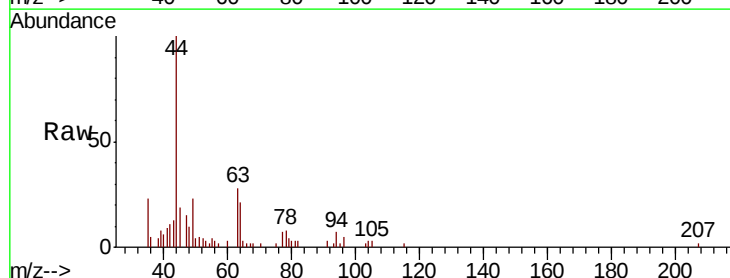
Acq: 13 Nov 2018 16:54

Tgt Ion: 94 Resp: 366

Ion Ratio Lower Upper

94 100

96 94.0 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027906.D (-128) (-)

1.60

500

400

300

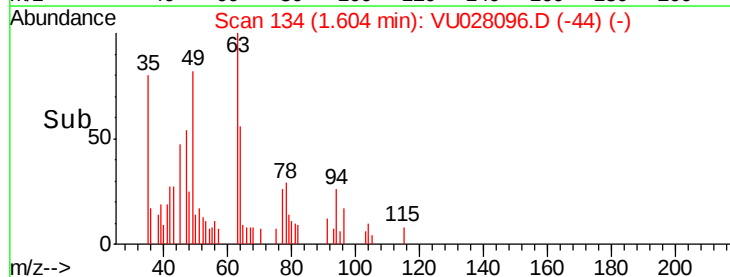
200

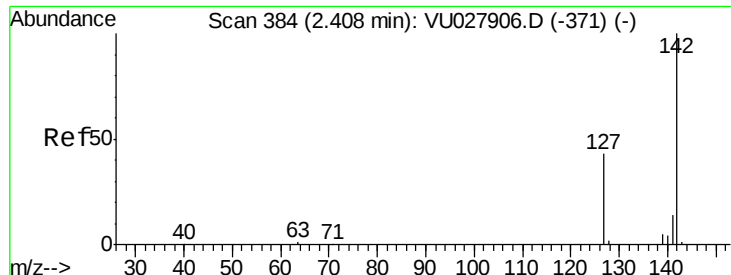
100

0

Time-->

1.58 1.60 1.62

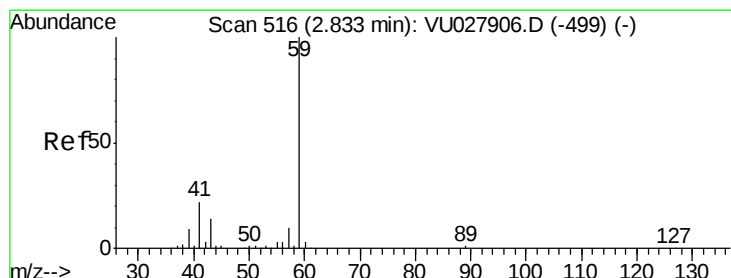
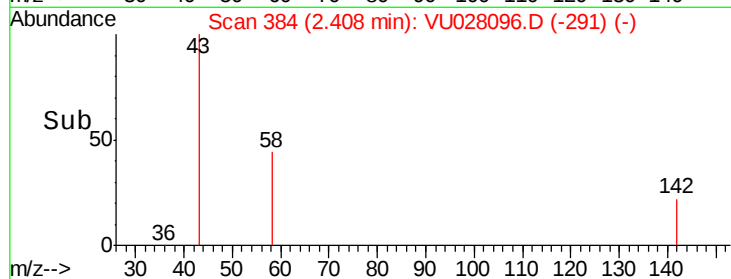
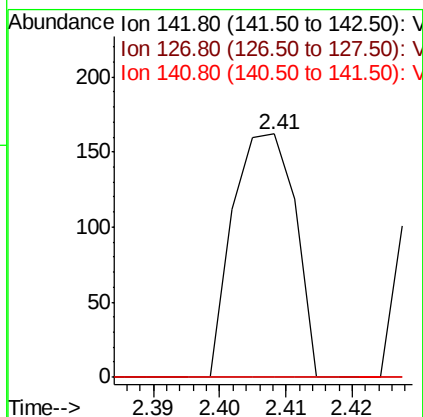
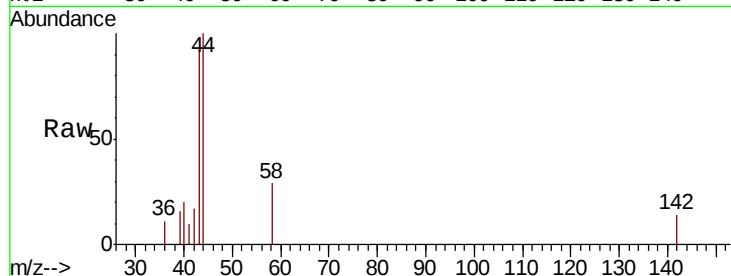




#10
Methvl Iodide
Concen: 7.796 ug/l
RT: 2.41 min Scan# 384
Delta R.T. 0.00 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

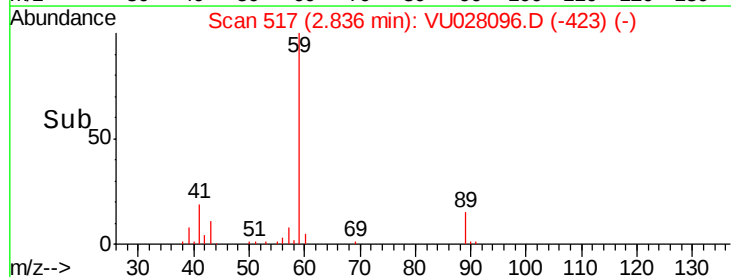
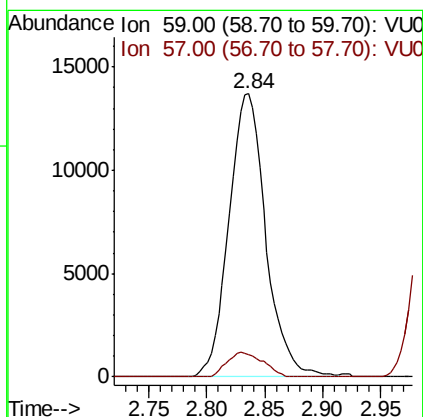
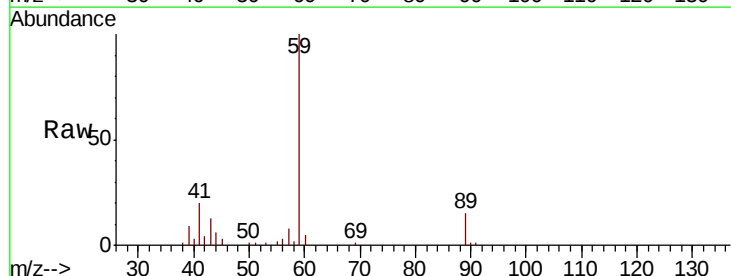
Instrument :
MSVOA_U
ClientSampleId :

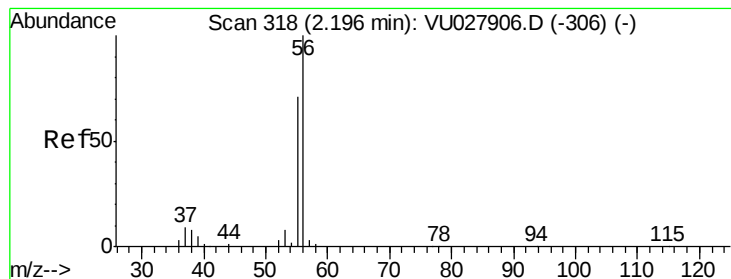
Tot Ion:142 Resp: 107
Ion Ratio Lower Upper
142 100
127 0.0 35.2 52.8#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: 29.600 ug/l
RT: 2.84 min Scan# 517
Delta R.T. 0.00 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

Tgt Ion: 59 Resp: 30165
Ion Ratio Lower Upper
59 100
57 8.5 7.8 11.8





#13

Acrolein

Concen: Below Cal

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

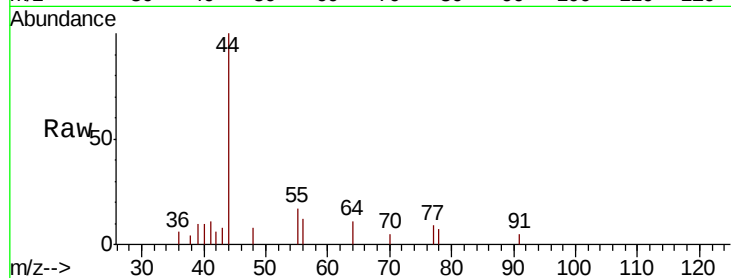
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 368

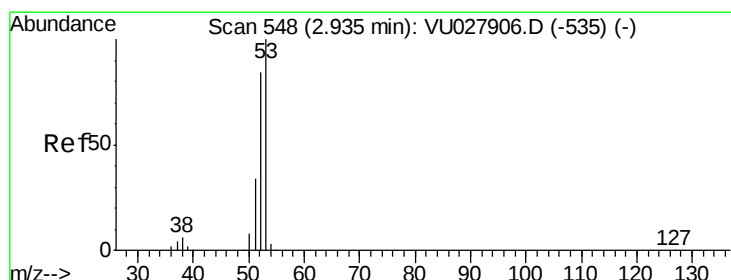
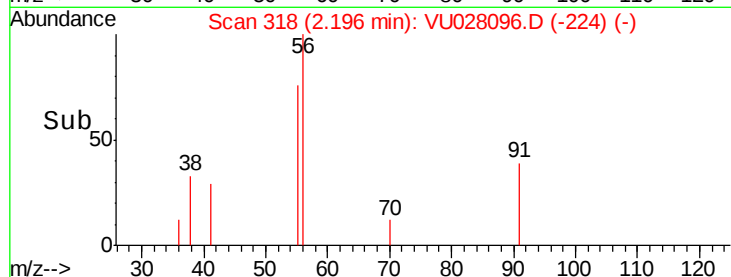
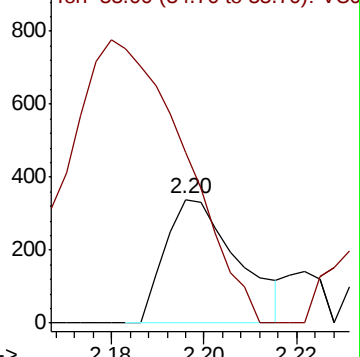
Ion Ratio Lower Upper

56 100

55 382.1 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 55.00 (54.70 to 55.70): VU0



#15

Acrylonitrile

Concen: 0.703 ug/l

RT: 3.00 min Scan# 567

Delta R.T. 0.06 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

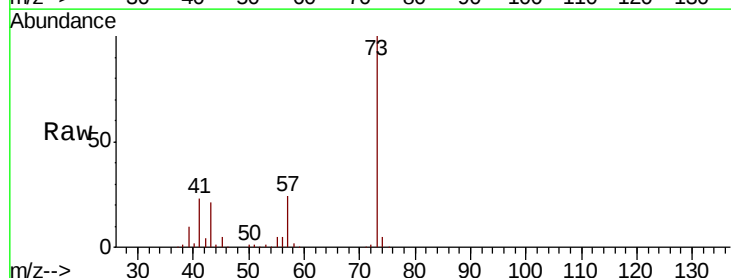
Tgt Ion: 53 Resp: 1759

Ion Ratio Lower Upper

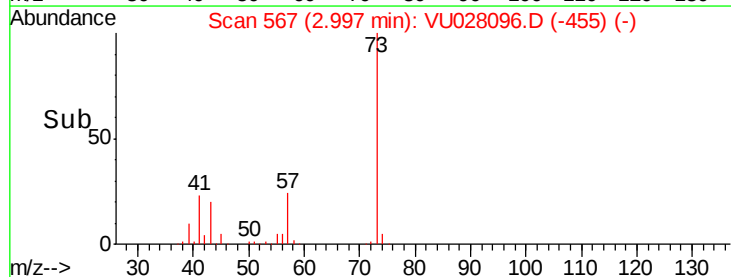
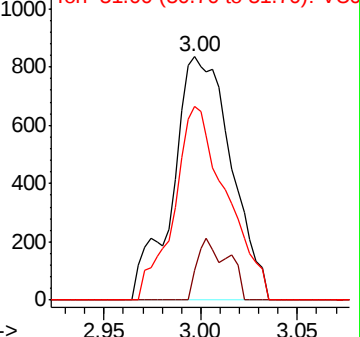
53 100

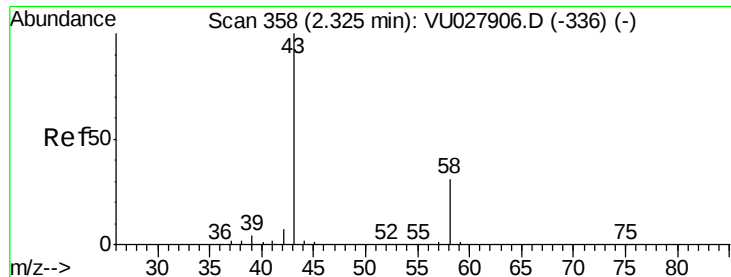
52 13.3 66.2 99.2#

51 71.4 27.0 40.4#



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0

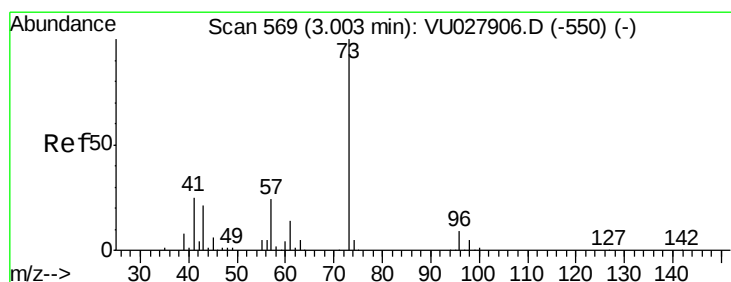
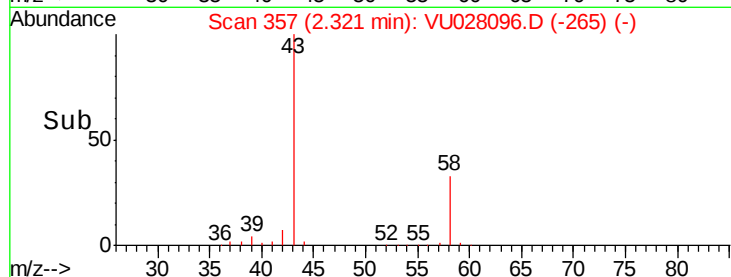
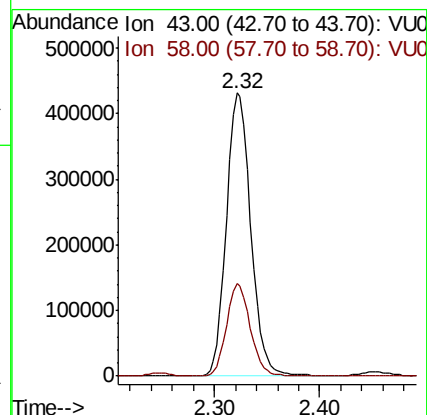
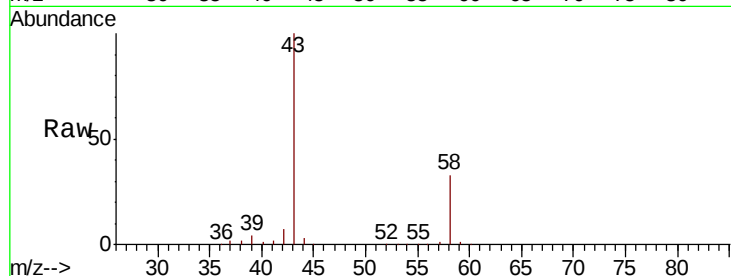




#16
Acetone
Concen: 289.218 ug/l
RT: 2.32 min Scan# 357
Delta R.T. -0.00 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

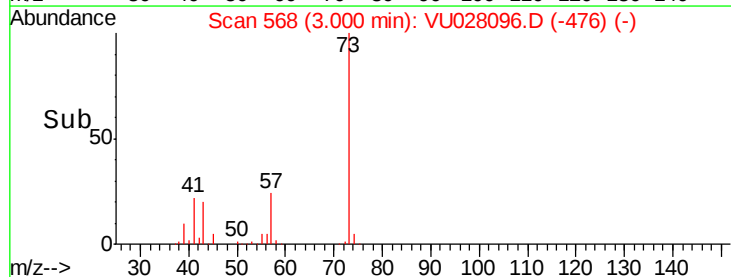
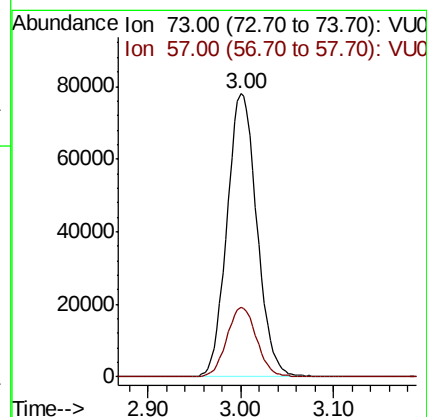
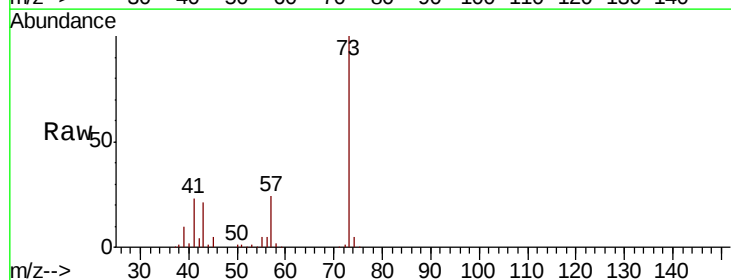
Instrument :
MSVOA_U
ClientSampleId :

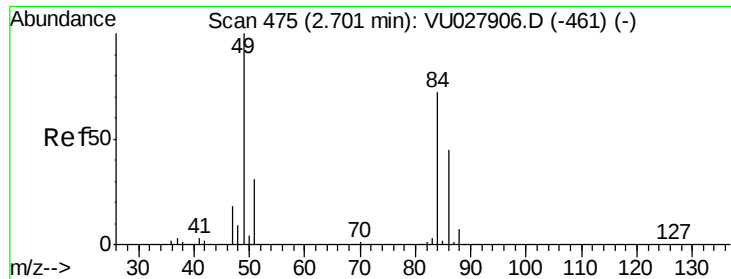
Tot Ion: 43 Resp: 690765
Ion Ratio Lower Upper
43 100
58 32.5 24.6 37.0



#19
Methyl tert-butyl Ether
Concen: 15.957 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

Tgt Ion: 73 Resp: 174623
Ion Ratio Lower Upper
73 100
57 24.5 19.3 28.9

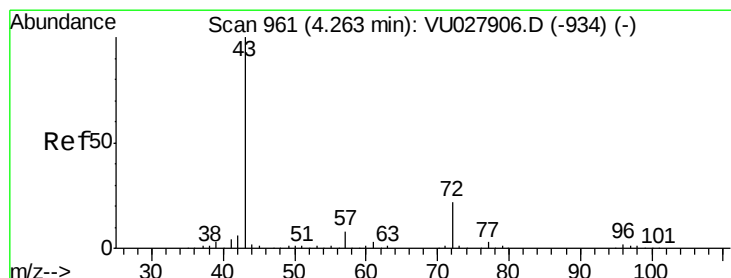
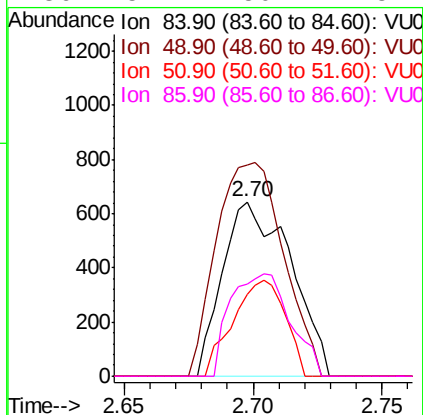
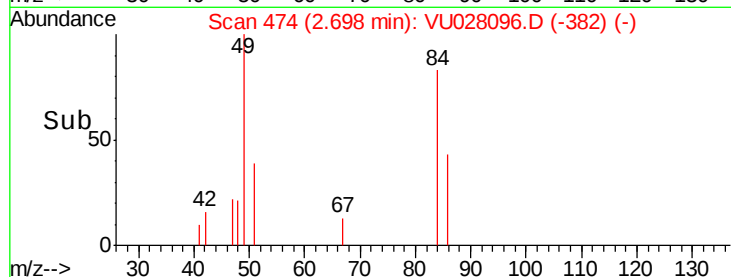
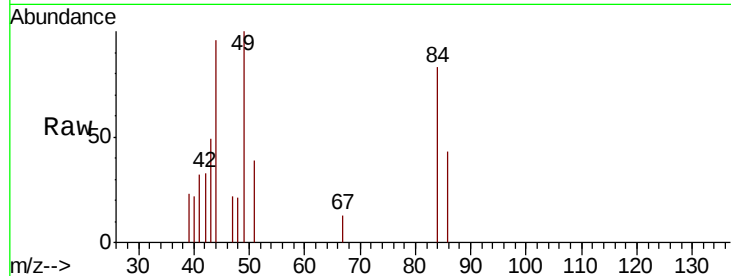




#20
Methvlene Chloride
Concen: 0.340 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

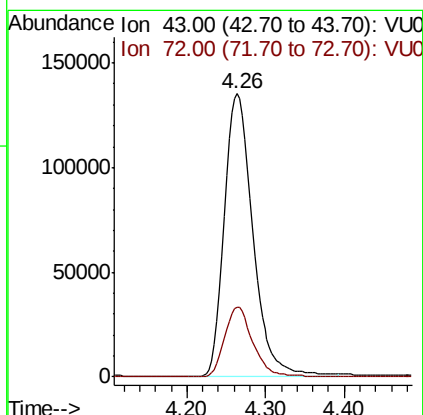
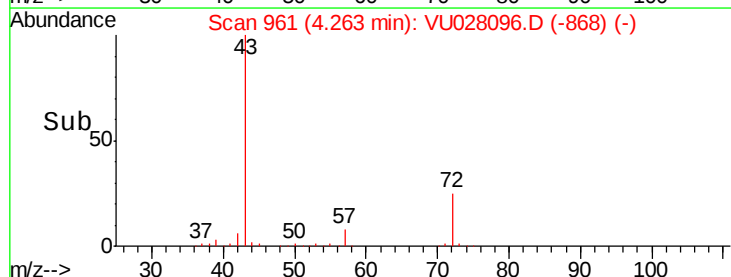
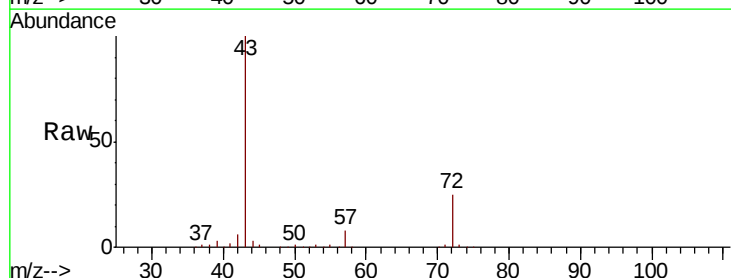
Instrument :
MSVOA_U
ClientSampleId :

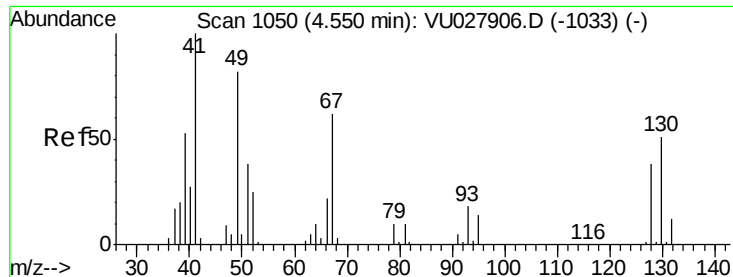
Tot Ion: 84 Resp: 1185
Ion Ratio Lower Upper
84 100
49 121.1 111.6 167.4
51 46.8 34.8 52.2
86 52.4 50.1 75.1



#25
2-Butanone
Concen: 89.434 ug/l
RT: 4.26 min Scan# 961
Delta R.T. 0.00 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

Tgt Ion: 43 Resp: 339821
Ion Ratio Lower Upper
43 100
72 24.9 17.7 26.5





#28

Bromochloromethane

Concen: 0.362 ug/l

RT: 4.64 min Scan# 1078

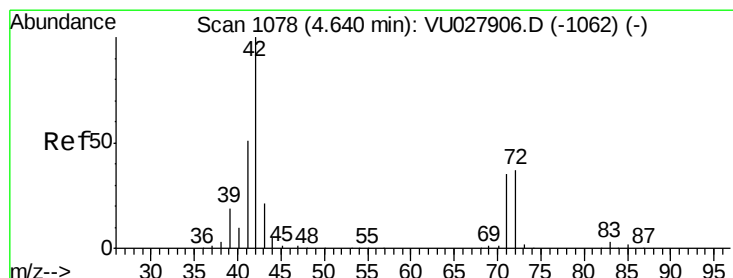
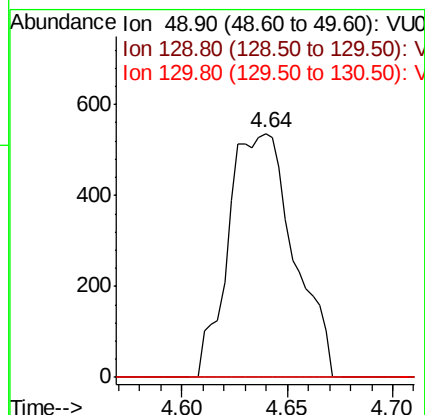
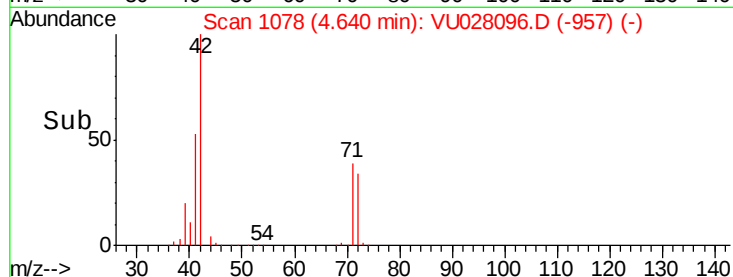
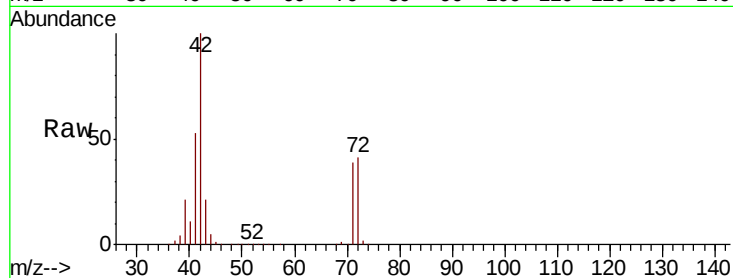
Delta R.T. 0.09 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 49 Resp: 1157
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.0
130 0.0 47.8 71.6#



#29

Tetrahydrofuran

Concen: 285.832 ug/l

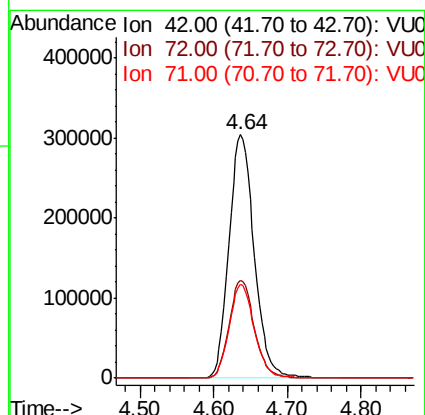
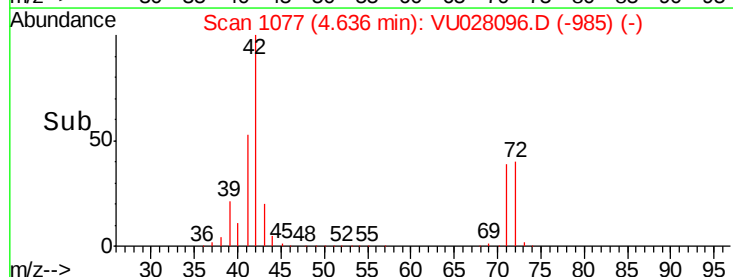
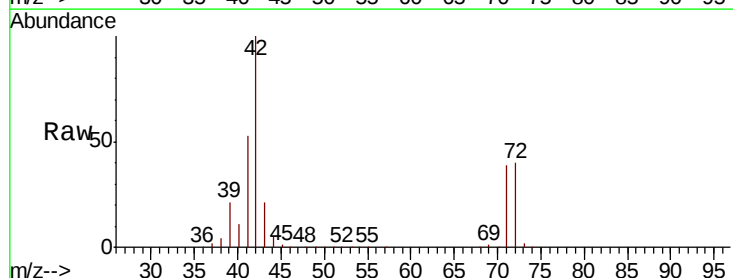
RT: 4.64 min Scan# 1077

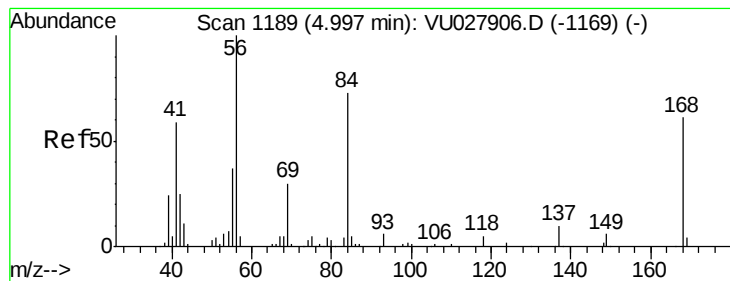
Delta R.T. -0.00 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

Tgt Ion: 42 Resp: 725218
Ion Ratio Lower Upper
42 100
72 40.1 29.4 44.0
71 38.1 27.9 41.9





#31

Cyclohexane

Concen: 1.566 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

Instrument :
MSVOA_U
ClientSampled :

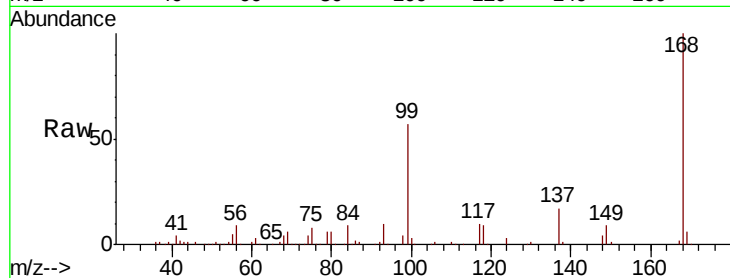
Tot Ion: 56 Resp: 21436

Ion Ratio Lower Upper

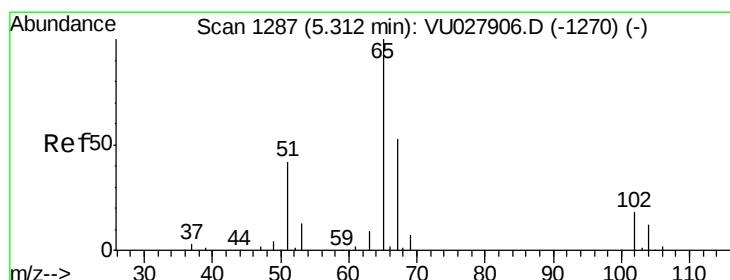
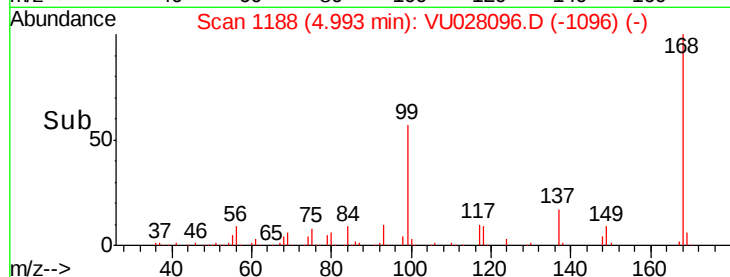
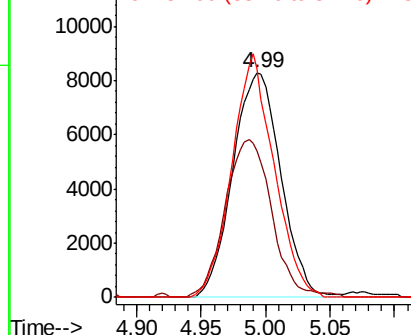
56 100

69 63.5 23.7 35.5#

84 101.2 58.2 87.4#



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

1,2-Dichloroethane-d4

Concen: 51.476 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028096.D

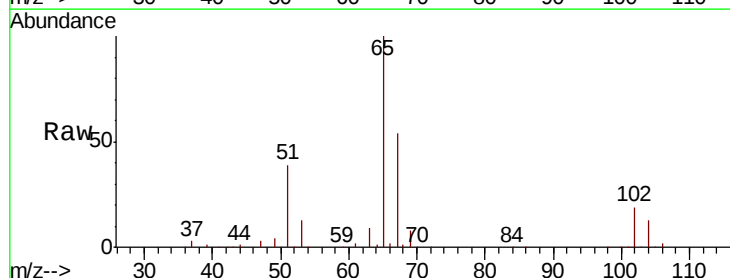
Acq: 13 Nov 2018 16:54

Tgt Ion: 65 Resp: 198159

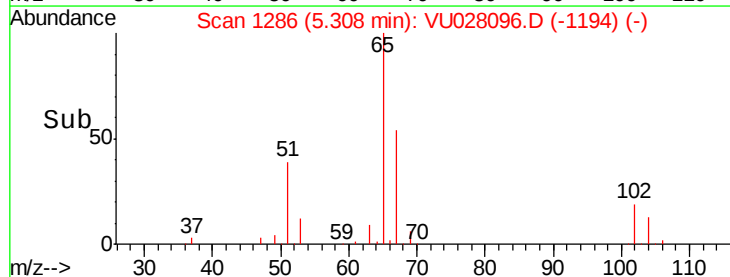
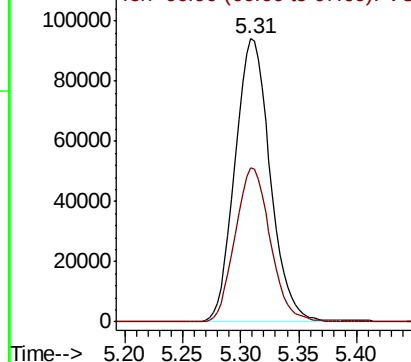
Ion Ratio Lower Upper

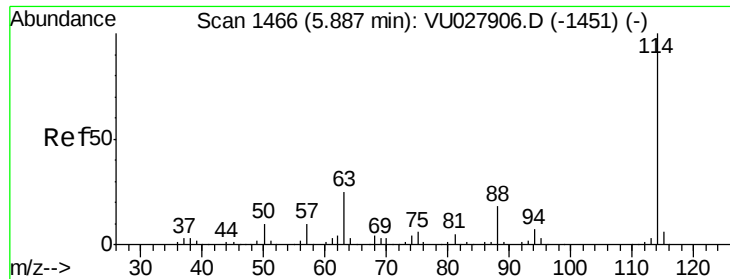
65 100

67 54.5 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

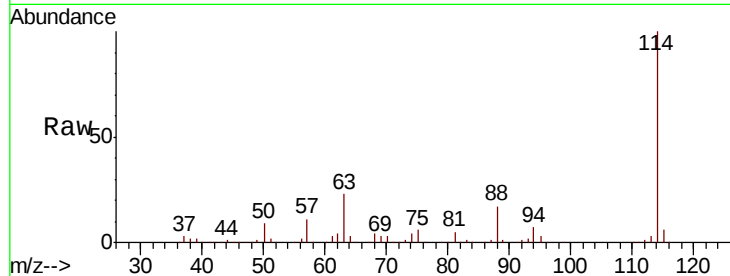
Tot Ion:114 Resp: 475529

Ion Ratio Lower Upper

114 100

63 23.5 0.0 50.8

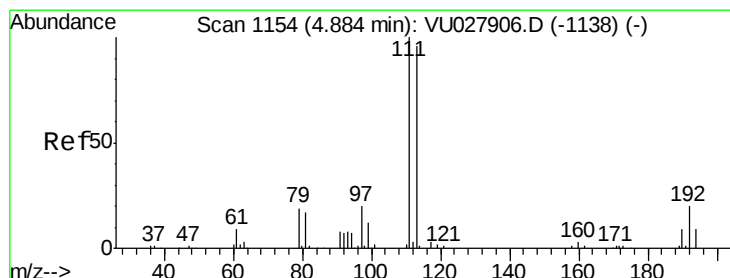
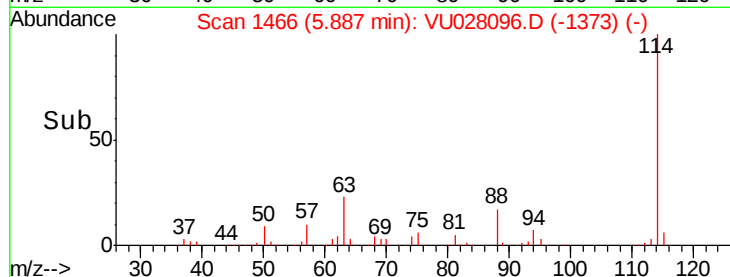
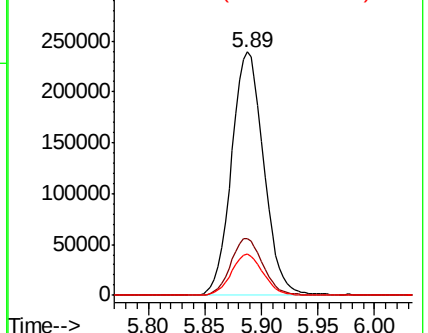
88 16.9 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 51.390 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

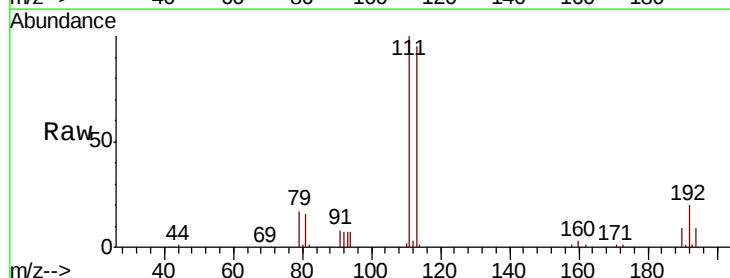
Tgt Ion:113 Resp: 154081

Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.6

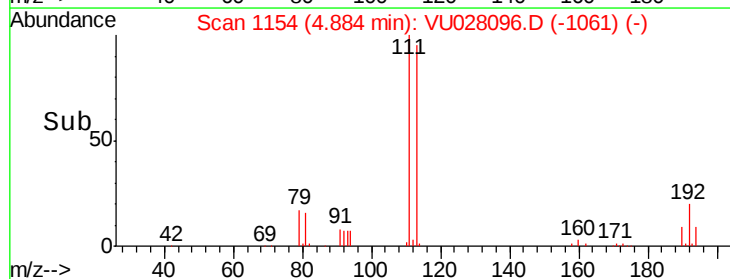
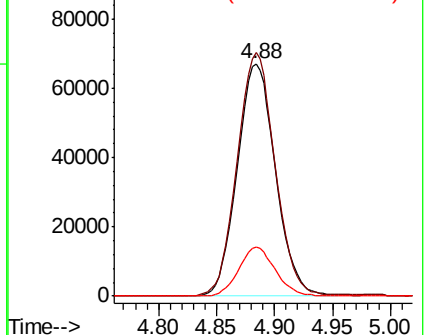
192 20.2 15.6 23.4

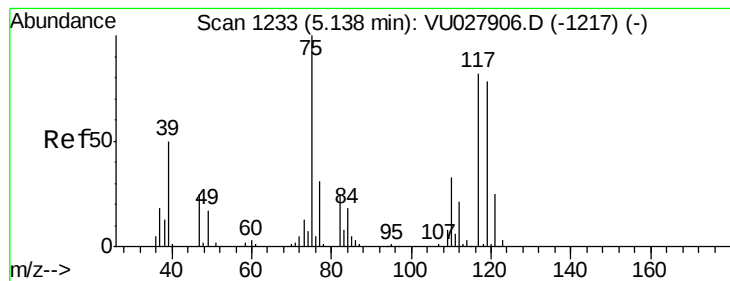


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.329 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :

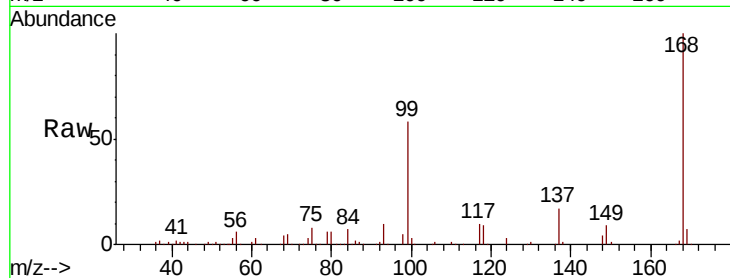
Tot Ion: 75 Resp: 21559

Ion Ratio Lower Upper

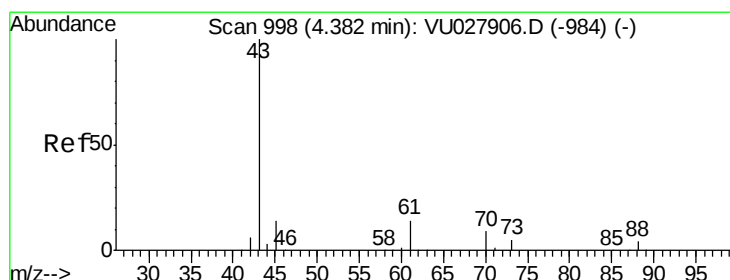
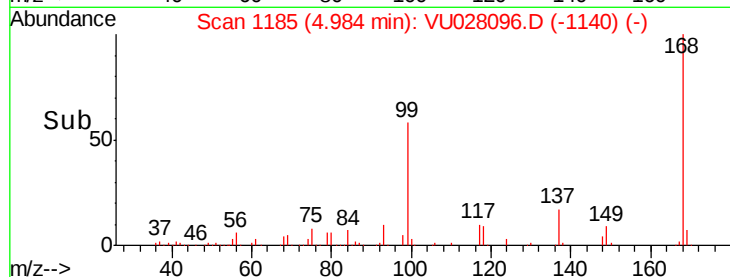
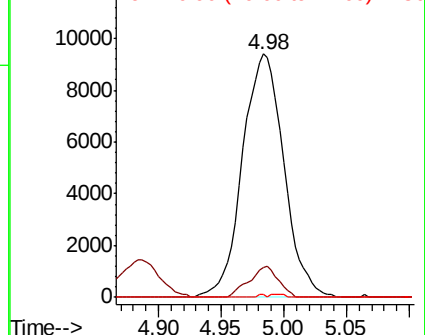
75 100

110 9.0 16.5 49.5#

77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): VU0
Ion 76.90 (76.60 to 77.60): VU0



#37

Ethyl Acetate

Concen: 46.567 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.12 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

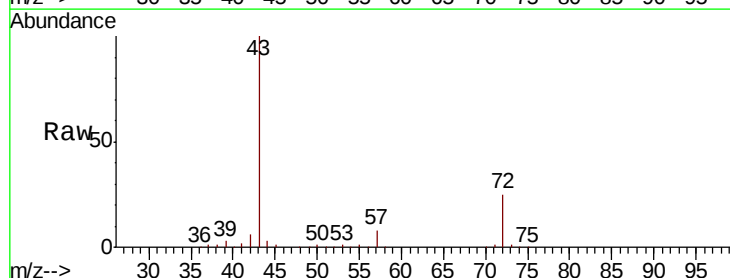
Tgt Ion: 43 Resp: 339821

Ion Ratio Lower Upper

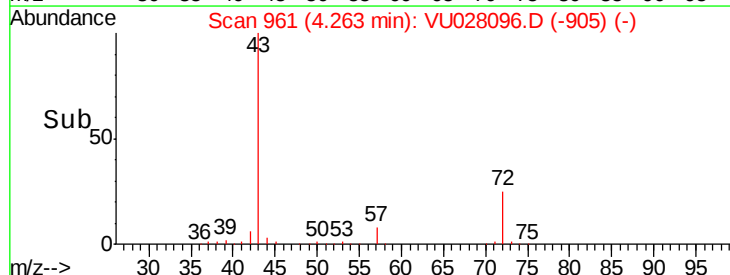
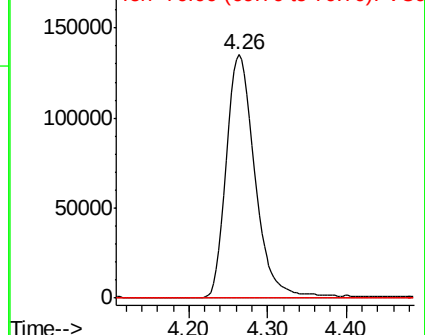
43 100

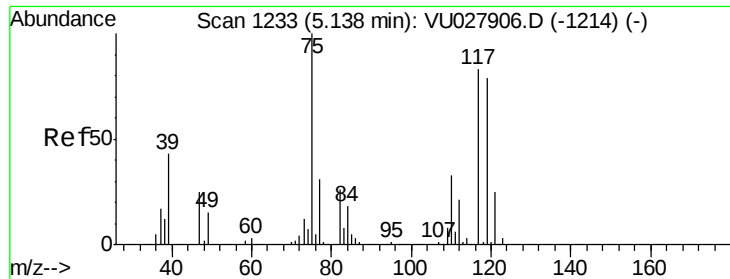
61 0.0 10.3 15.5#

70 0.0 7.0 10.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0





#38

Carbon Tetrachloride

Concen: 5.815 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

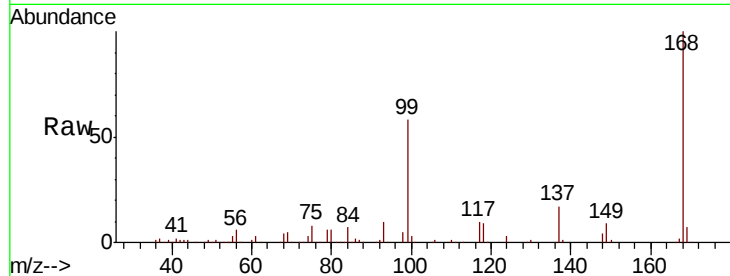
Tot Ion:117 Resp: 25664

Ion Ratio Lower Upper

117 100

119 4.7 76.0 114.0#

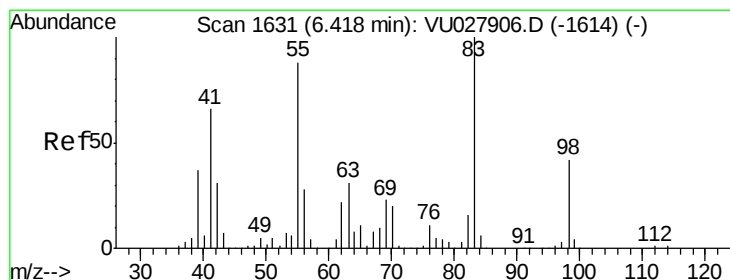
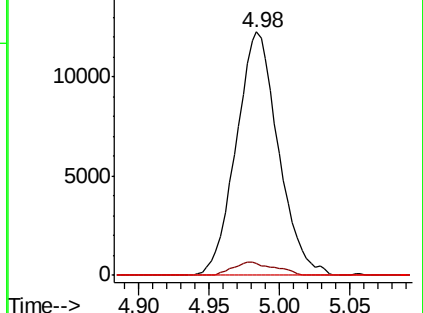
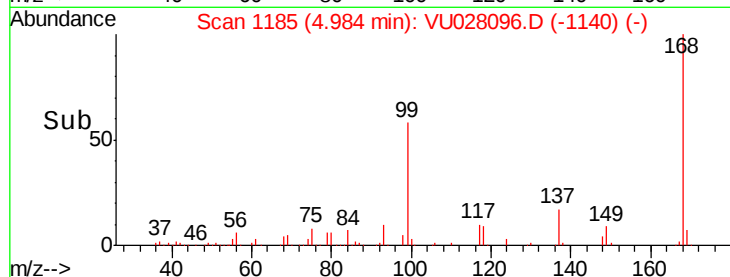
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.957 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

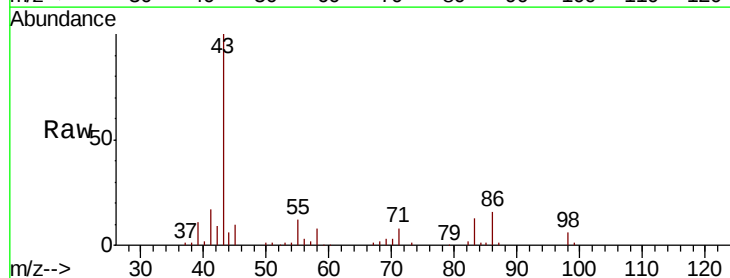
Tgt Ion: 83 Resp: 5750

Ion Ratio Lower Upper

83 100

55 88.3 70.3 105.5

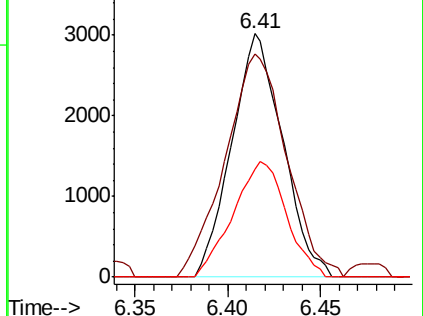
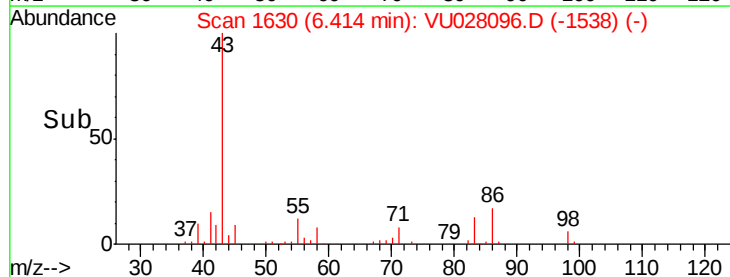
98 44.5 34.0 51.0

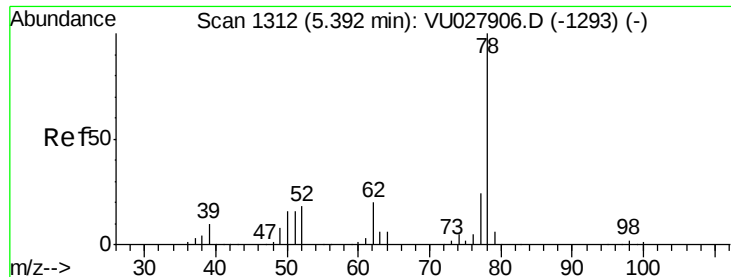


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

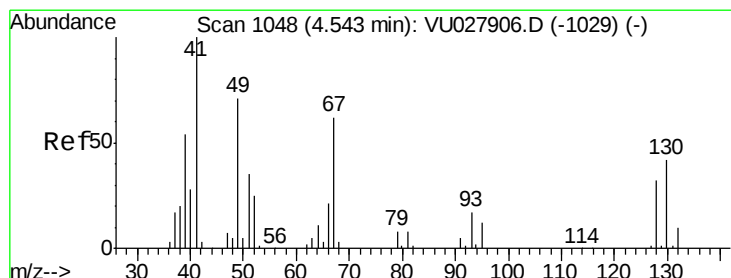
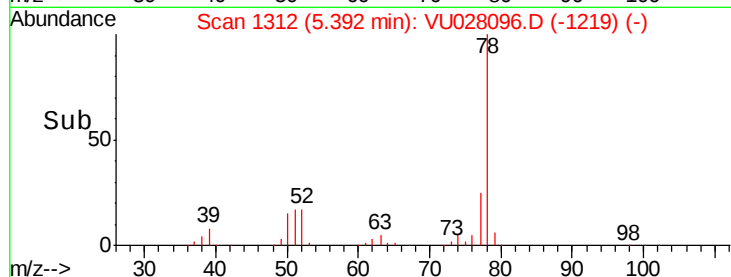
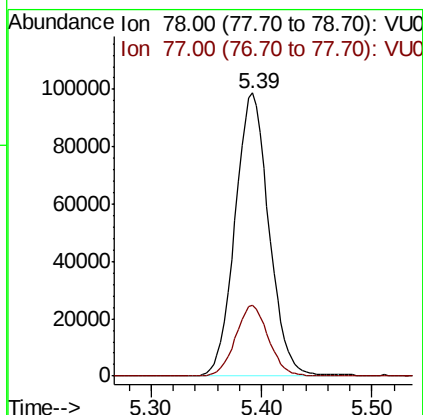
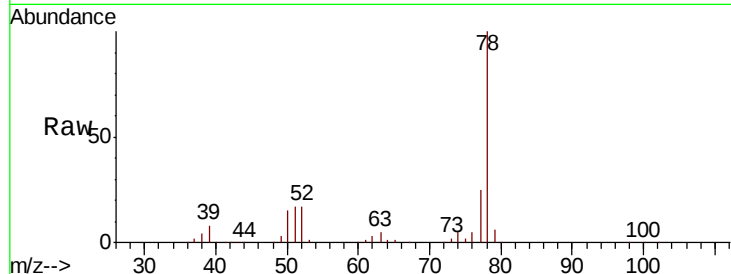




#40
Benzene
Concen: 13.811 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

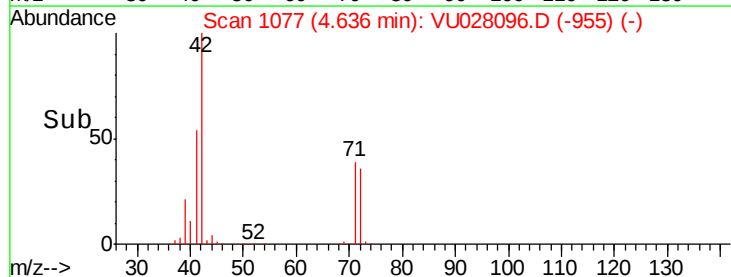
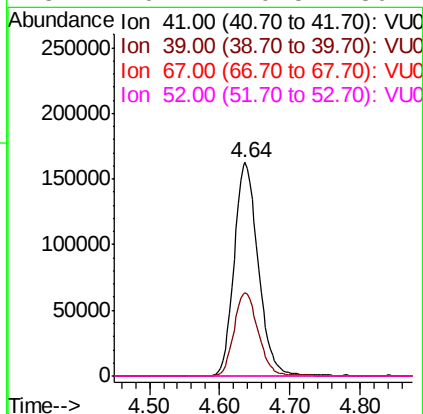
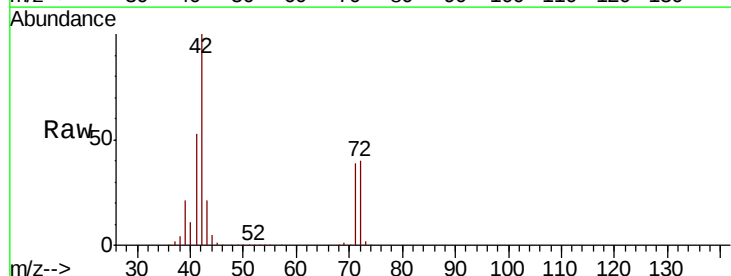
Instrument :
MSVOA_U
ClientSampleId :

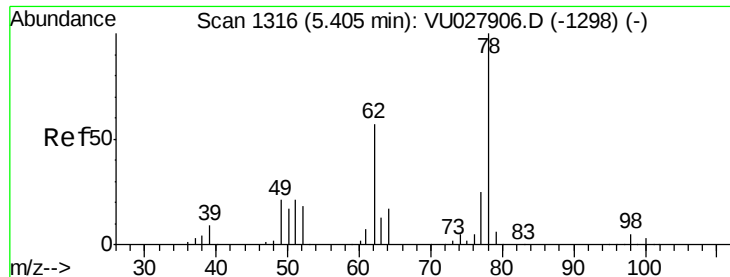
Tot Ion: 78 Resp: 210292
Ion Ratio Lower Upper
78 100
77 25.1 19.3 28.9



#41
Methacrylonitrile
Concen: 99.730 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.09 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

Tgt Ion: 41 Resp: 388388
Ion Ratio Lower Upper
41 100
39 39.2 42.2 63.4#
67 0.0 49.5 74.3#
52 0.1 20.5 30.7#





#42

1,2-Dichloroethane

Concen: 2.516 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

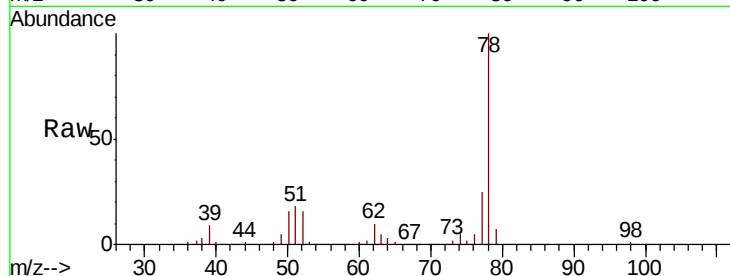
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 13618

Ion Ratio Lower Upper

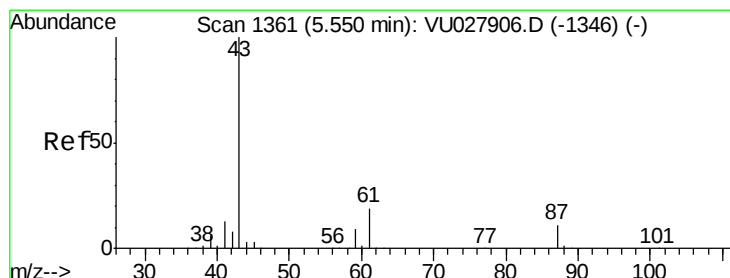
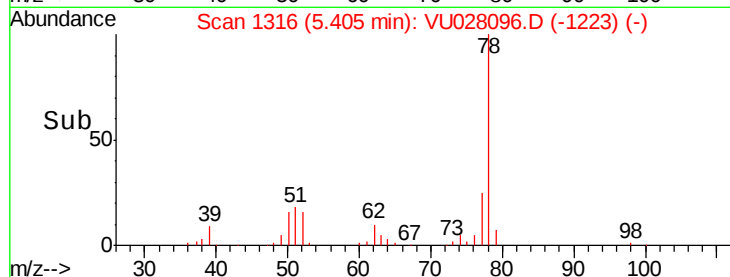
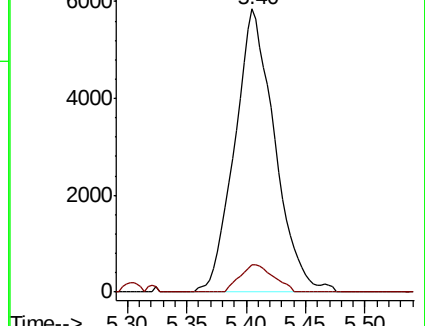
62 100

98 8.2 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU028096.D (-1223) (-)

Ion 97.90 (97.60 to 98.60): VU028096.D (-1223) (-)



#43

Isopropyl Acetate

Concen: 0.716 ug/l

RT: 5.56 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

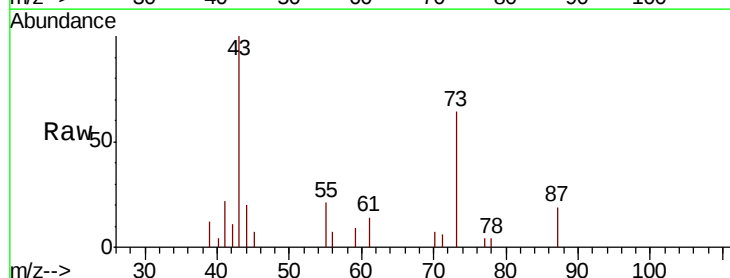
Tgt Ion: 43 Resp: 8184

Ion Ratio Lower Upper

43 100

61 12.5 15.0 22.4#

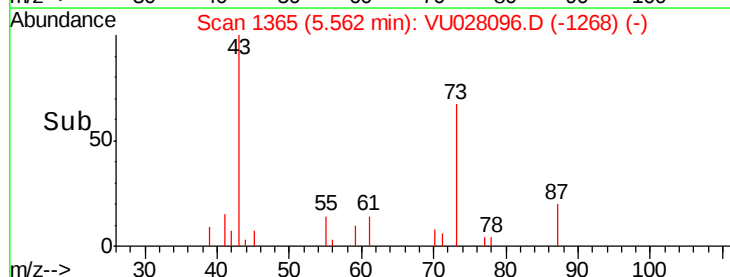
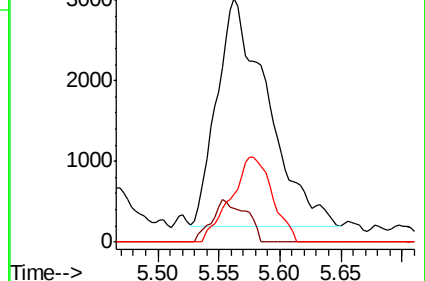
87 0.0 8.6 12.8#

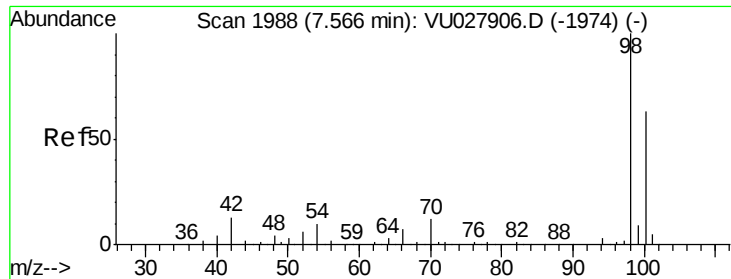


Abundance Ion 43.00 (42.70 to 43.70): VU028096.D (-1268) (-)

Ion 61.00 (60.70 to 61.70): VU028096.D (-1268) (-)

Ion 87.00 (86.70 to 87.70): VU028096.D (-1268) (-)





#50

Toluene-d8

Concen: 52.947 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

Instrument :

MSVOA_U

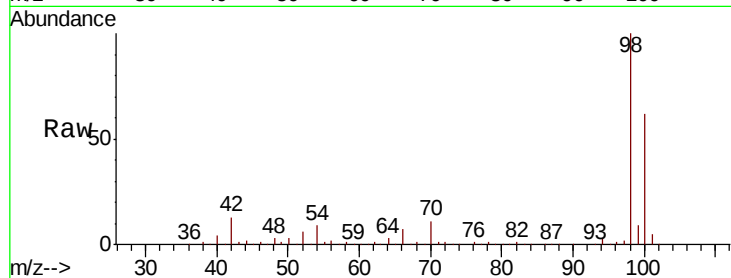
ClientSampleId :

Tot Ion: 98 Resp: 613234

Ion Ratio Lower Upper

98 100

100 62.7 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027906.D (-1974) (-)

7.57

400000

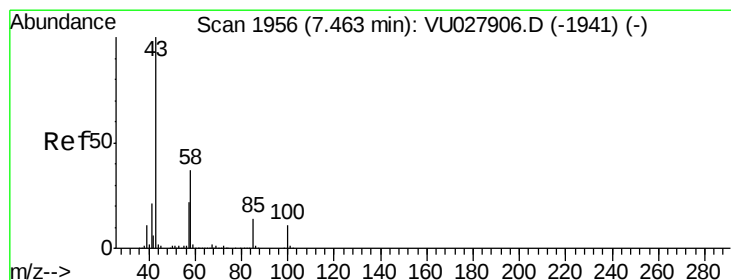
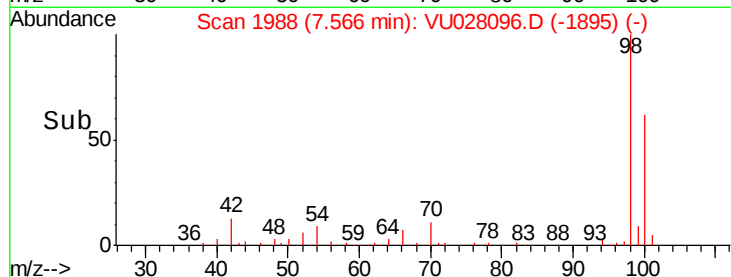
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 5.424 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU028096.D

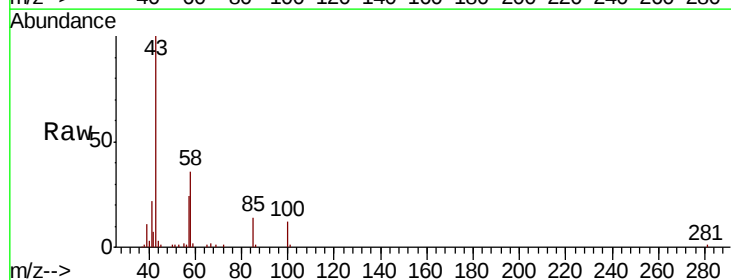
Acq: 13 Nov 2018 16:54

Tgt Ion: 43 Resp: 41415

Ion Ratio Lower Upper

43 100

58 38.1 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

25000

20000

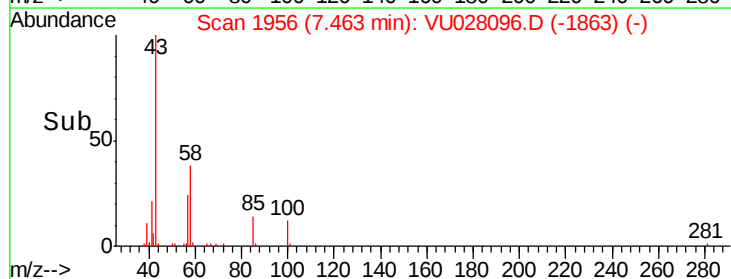
15000

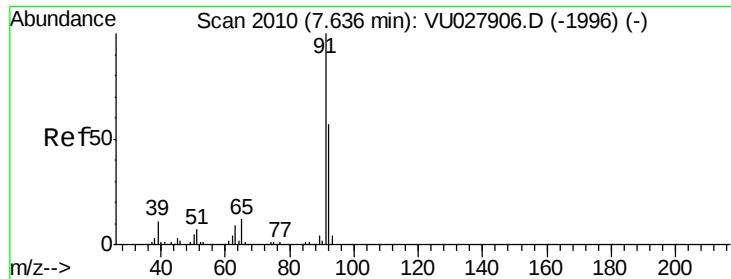
10000

5000

0

Time-->





#52

Toluene

Concen: 40.872 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

Instrument :

MSVOA_U

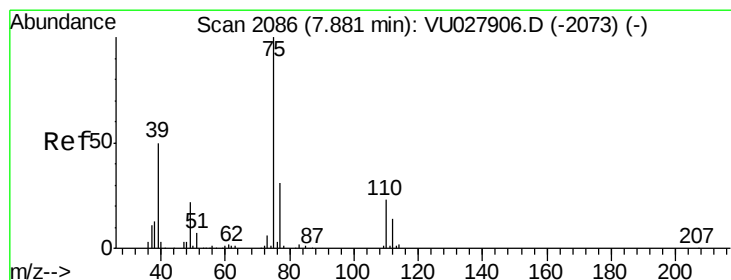
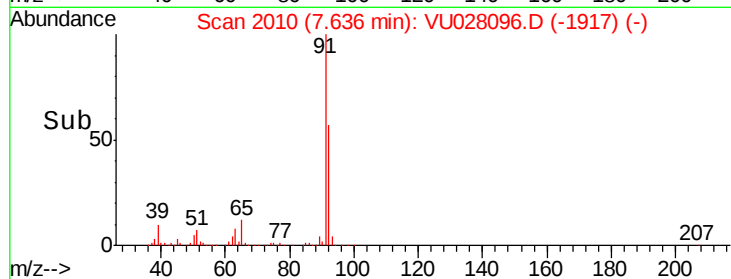
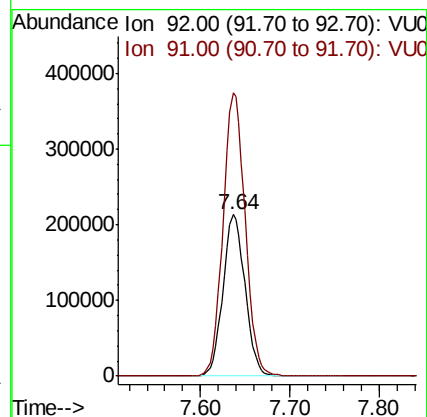
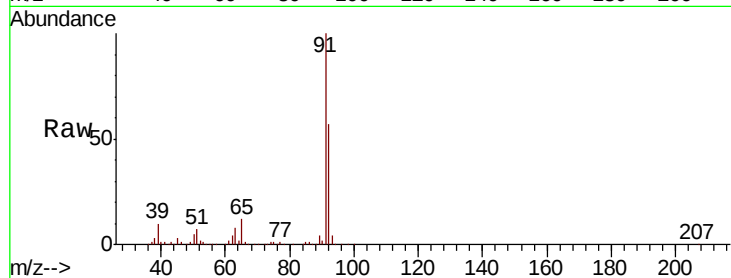
ClientSampleId :

Tot Ion: 92 Resp: 365878

Ion Ratio Lower Upper

92 100

91 175.8 141.2 211.8



#53

t-1,3-Dichloropropene

Concen: 1.770 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.24 min

Lab File: VU028096.D

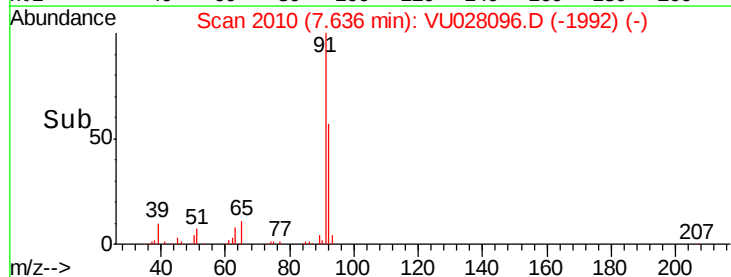
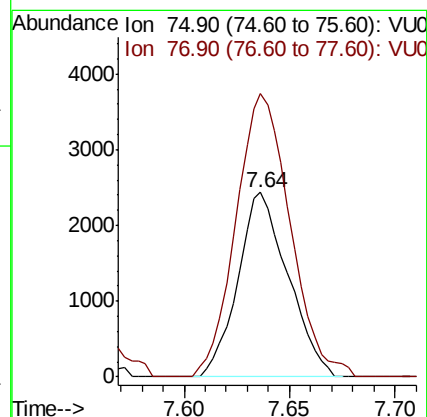
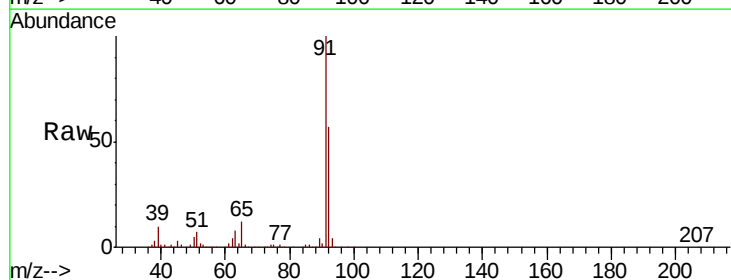
Acq: 13 Nov 2018 16:54

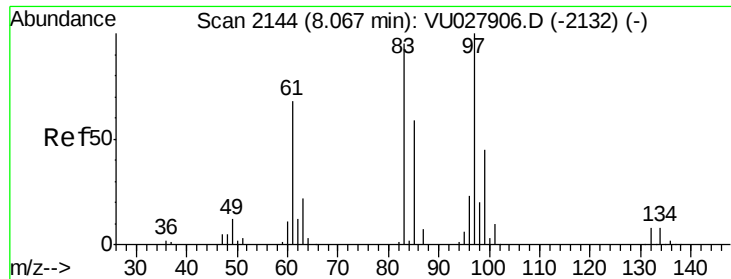
Tgt Ion: 75 Resp: 4023

Ion Ratio Lower Upper

75 100

77 153.2 25.1 37.7#

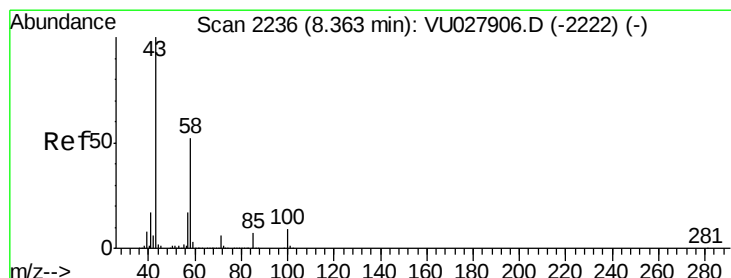
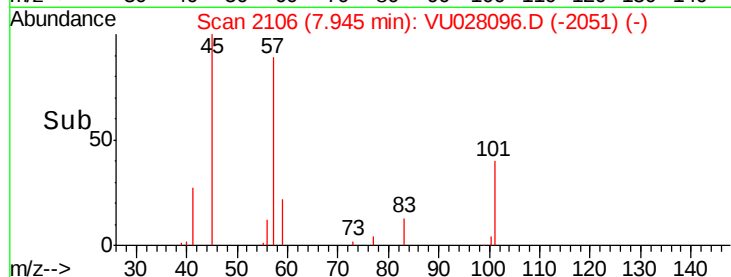
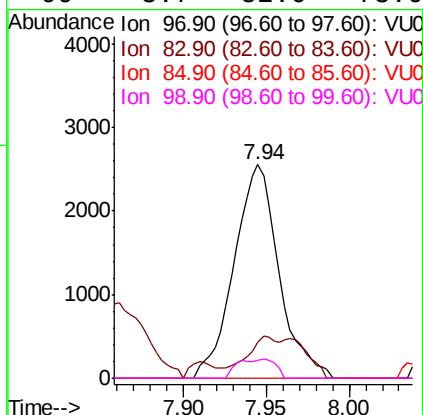
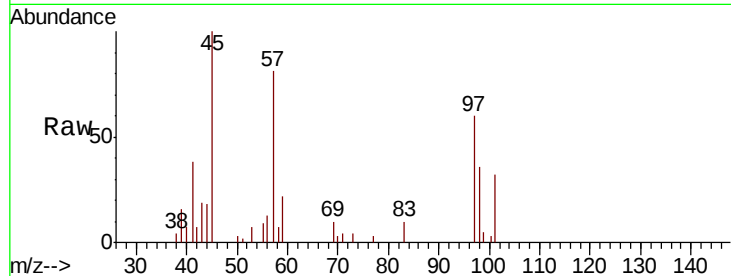




#55
 1,1,2-Trichloroethane
 Concen: 1.320 ug/l
 RT: 7.94 min Scan# 2106
 Delta R.T. -0.12 min
 Lab File: VU028096.D
 Acq: 13 Nov 2018 16:54

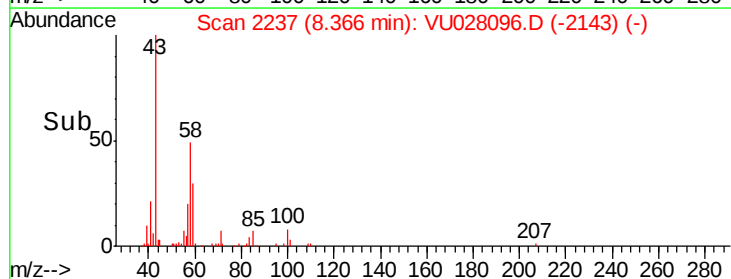
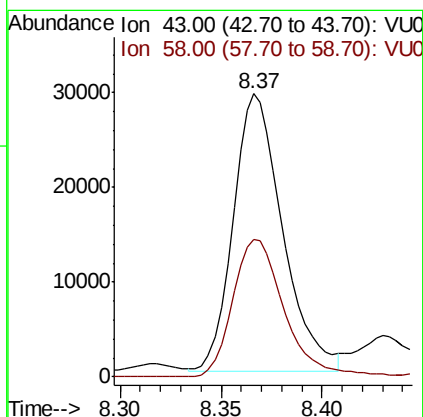
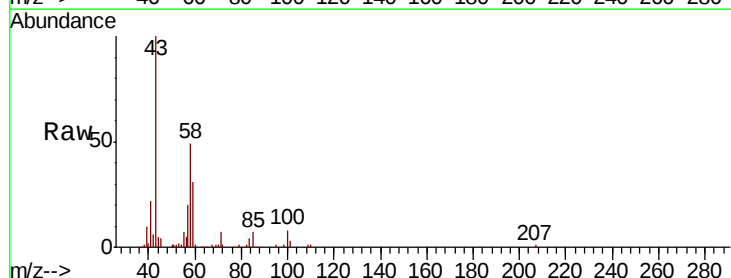
Instrument :
 MSVOA_U
 ClientSampleId :

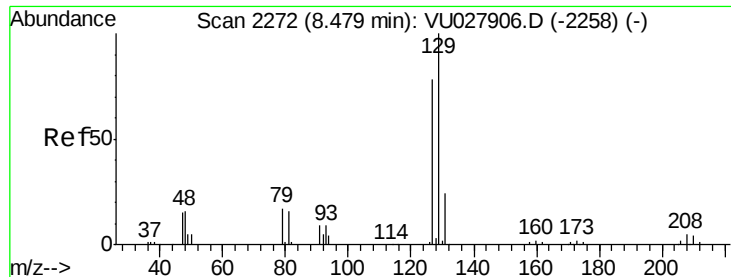
Tot Ion:	97	Resp:	4806
Ion	Ratio	Lower	Upper
97	100		
83	16.8	76.1	114.1#
85	0.0	48.9	73.3#
99	8.7	52.0	78.0#



#59
 2-Hexanone
 Concen: 8.521 ug/l
 RT: 8.37 min Scan# 2237
 Delta R.T. 0.00 min
 Lab File: VU028096.D
 Acq: 13 Nov 2018 16:54

Tgt Ion:	43	Resp:	50320
Ion	Ratio	Lower	Upper
43	100		
58	51.8	25.8	77.3

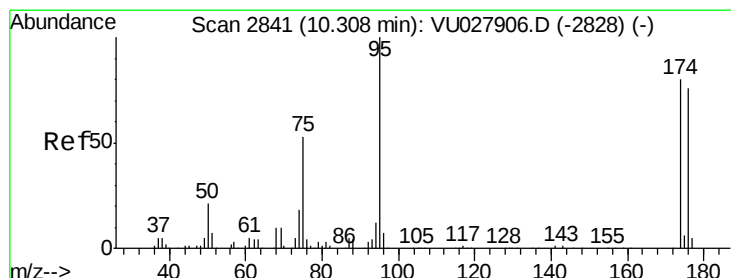
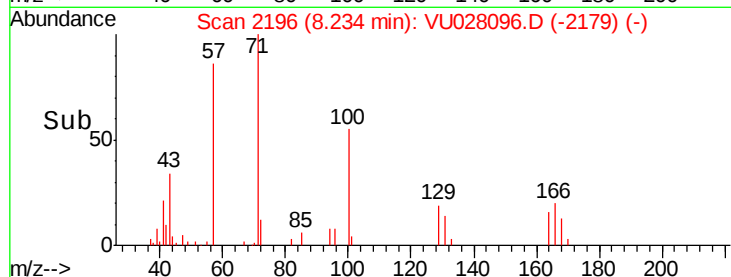
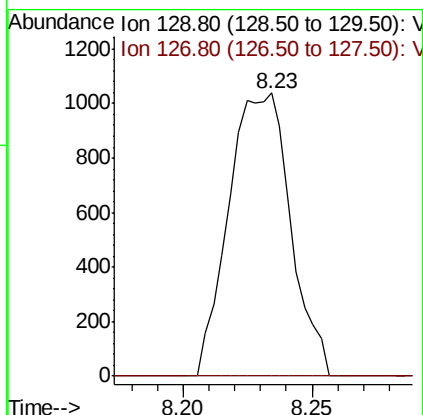
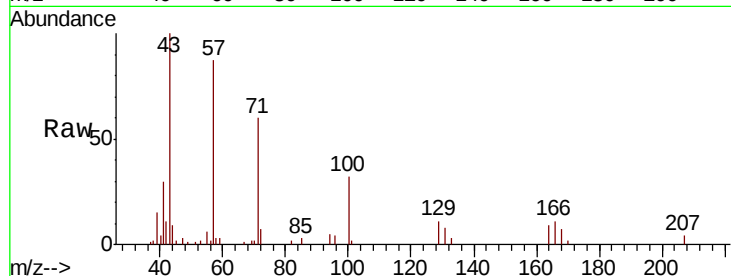




#60
Dibromochloromethane
Concen: 0.504 ug/l
RT: 8.23 min Scan# 2196
Delta R.T. -0.24 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

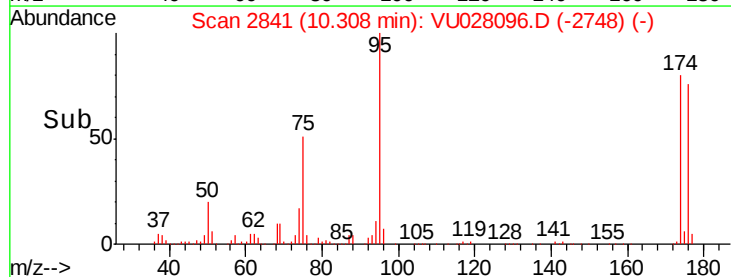
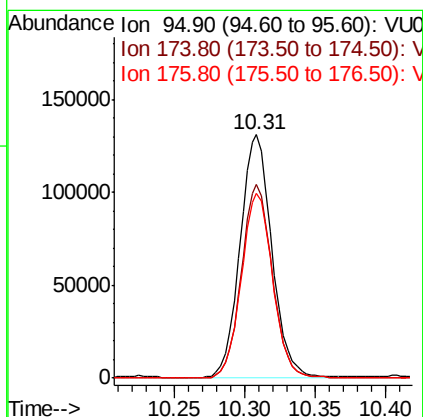
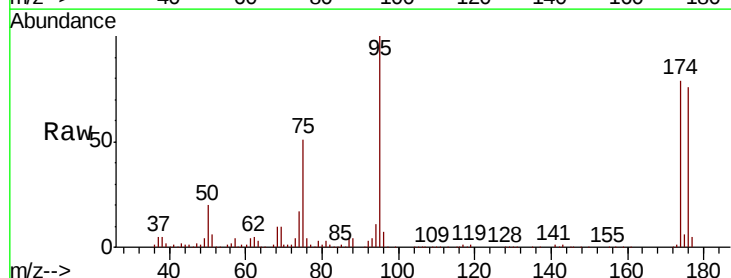
Instrument :
MSVOA_U
ClientSampleId :

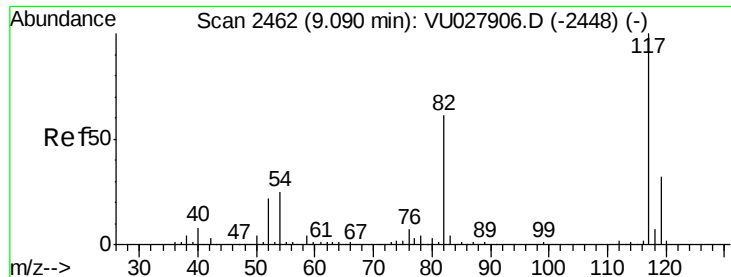
Tot Ion:129 Resp: 1736
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#



#62
4-Bromofluorobenzene
Concen: 48.392 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

Tgt Ion: 95 Resp: 206732
Ion Ratio Lower Upper
95 100
174 78.0 0.0 156.4
176 75.3 0.0 150.8

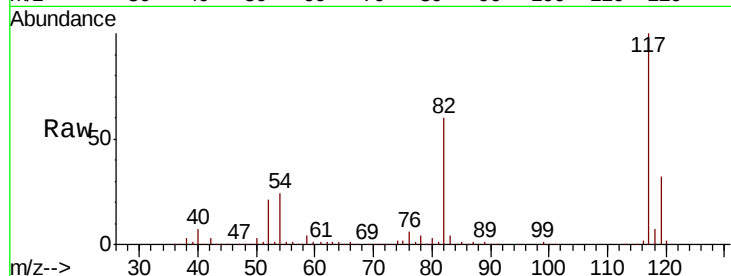




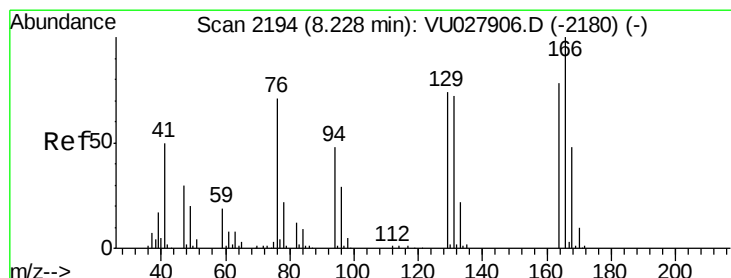
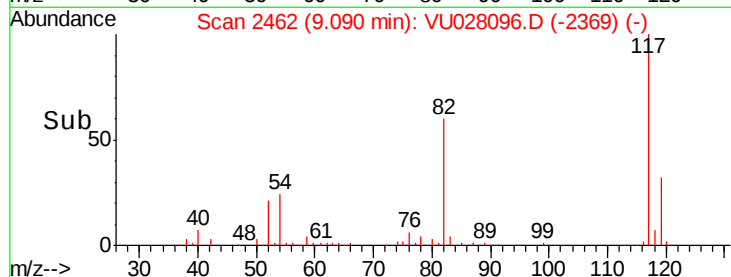
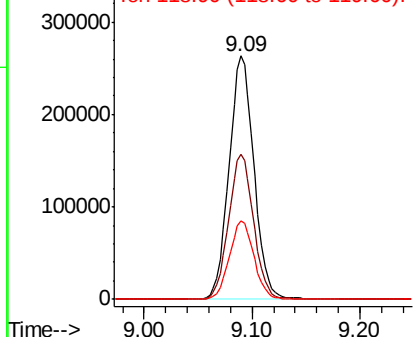
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 424819
Ion Ratio Lower Upper
117 100
82 59.6 48.6 73.0
119 32.3 25.8 38.8

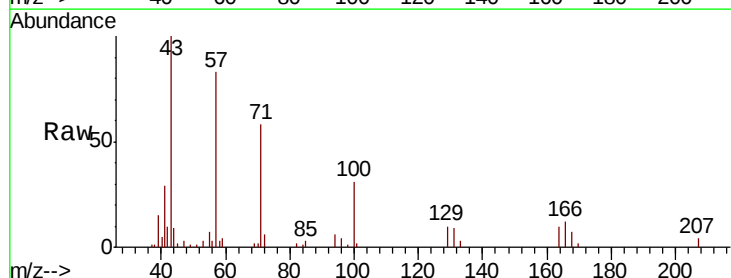


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

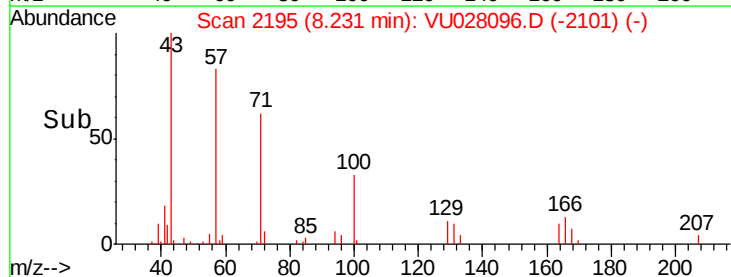
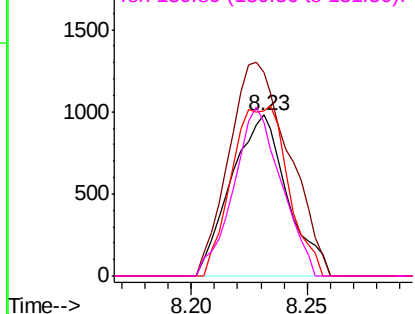


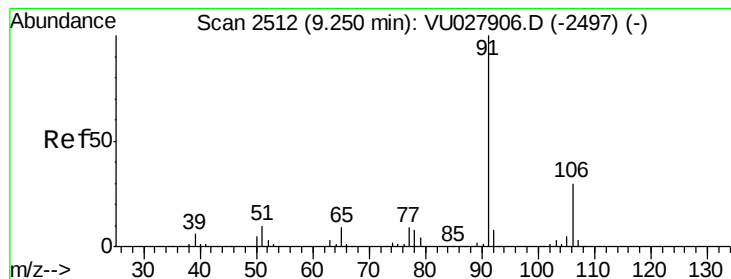
#64
Tetrachloroethene
Concen: 0.597 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

Tgt Ion:164 Resp: 1644
Ion Ratio Lower Upper
164 100
166 126.2 102.1 153.1
129 102.7 75.9 113.9
131 95.4 73.0 109.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 5.084 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

Instrument :

MSVOA_U

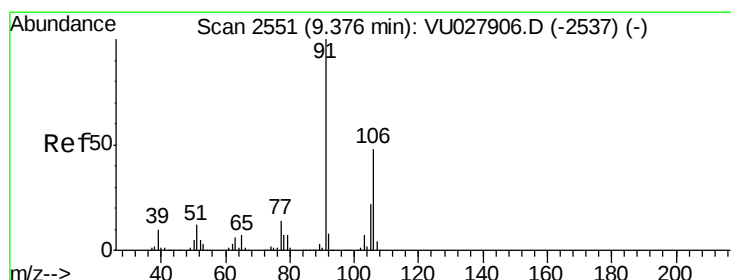
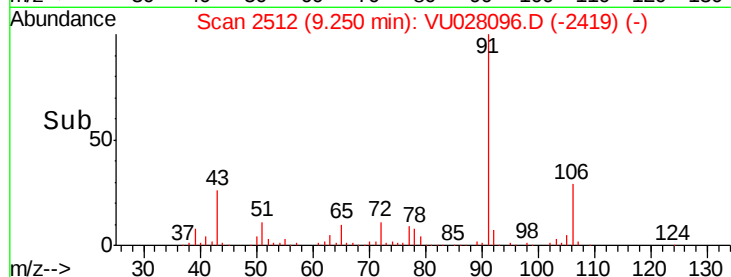
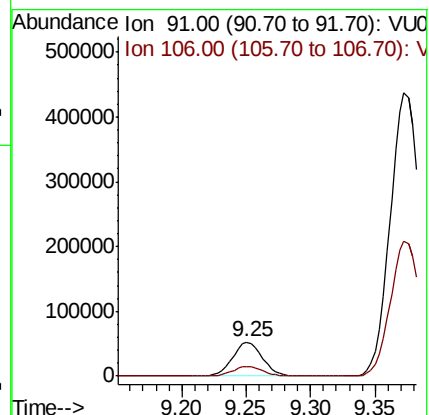
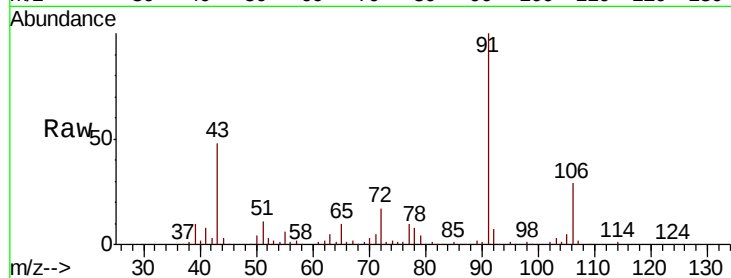
ClientSampleId :

Tot Ion: 91 Resp: 83996

Ion Ratio Lower Upper

91 100

106 29.2 23.6 35.4



#68

m/p-Xylenes

Concen: 57.096 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028096.D

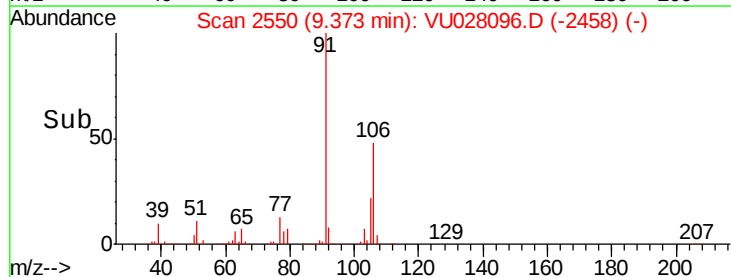
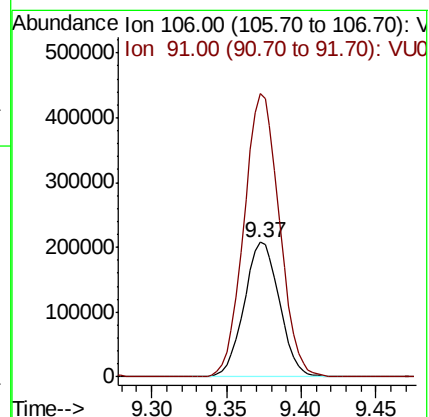
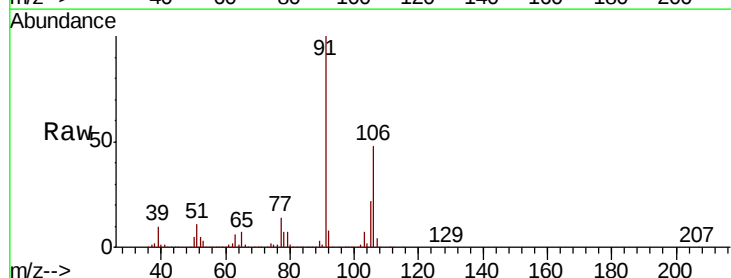
Acq: 13 Nov 2018 16:54

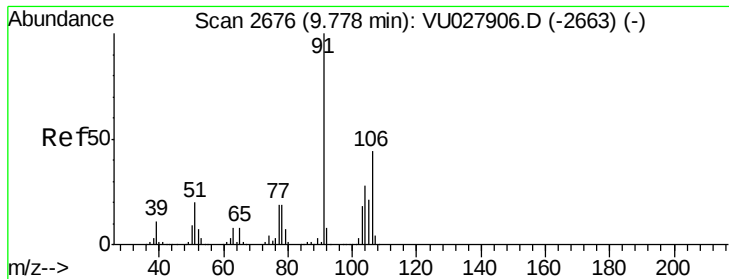
Tgt Ion: 106 Resp: 342251

Ion Ratio Lower Upper

106 100

91 210.2 168.2 252.4

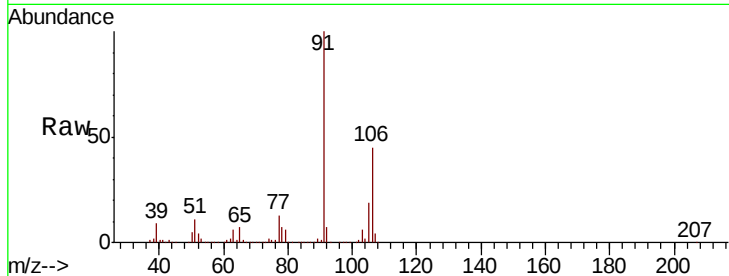




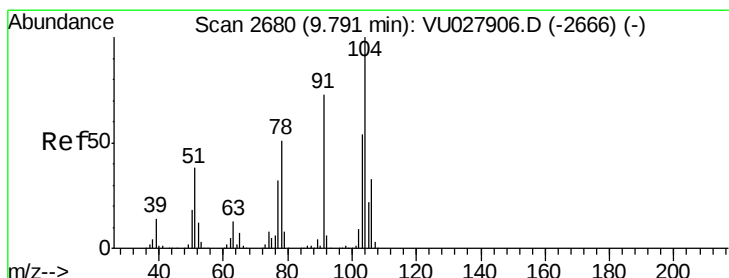
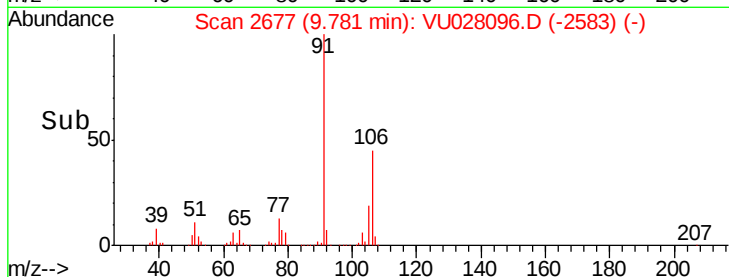
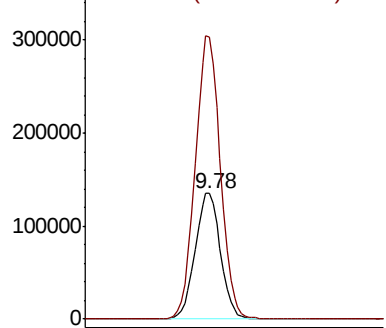
#69
o-Xylene
Concen: 35.629 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 215660
Ion Ratio Lower Upper
106 100
91 223.4 111.1 333.4

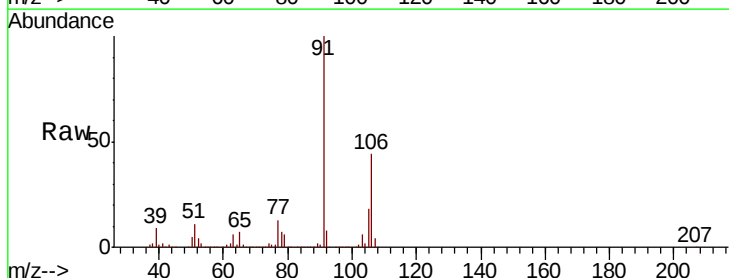


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

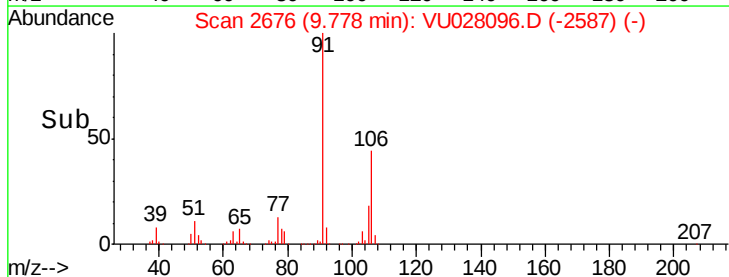
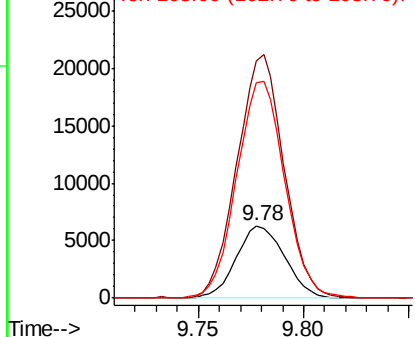


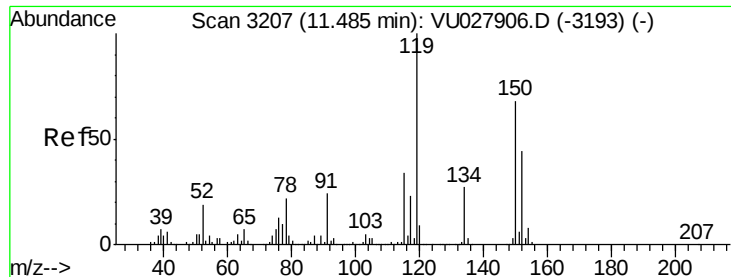
#70
Styrene
Concen: 1.037 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.01 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

Tgt Ion:104 Resp: 10028
Ion Ratio Lower Upper
104 100
78 326.9 43.0 64.4#
103 298.1 45.1 67.7#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

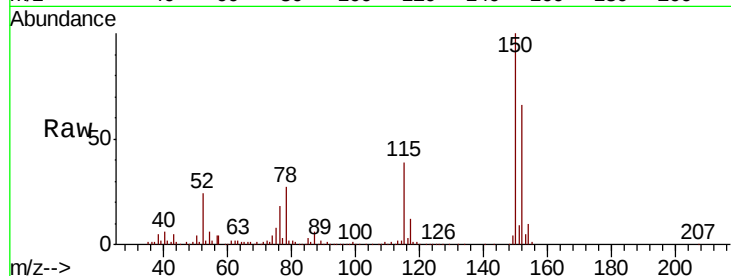
Tot Ion:152 Resp: 183694

Ion Ratio Lower Upper

152 100

115 58.8 43.0 129.0

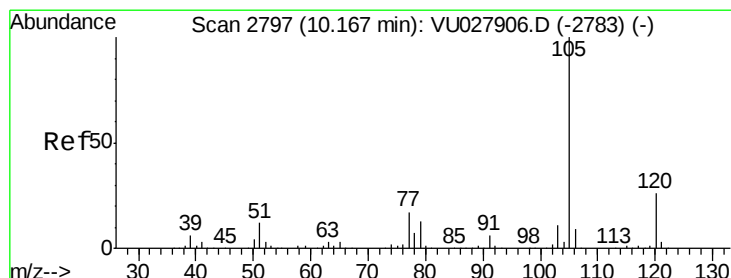
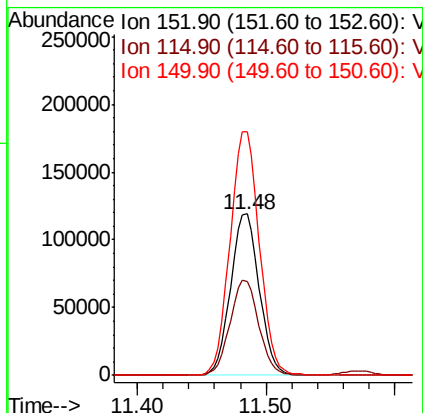
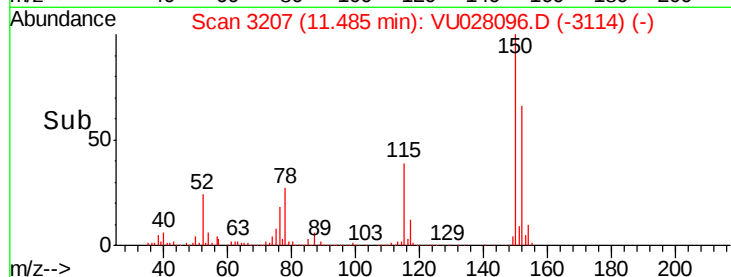
150 154.3 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.392 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028096.D

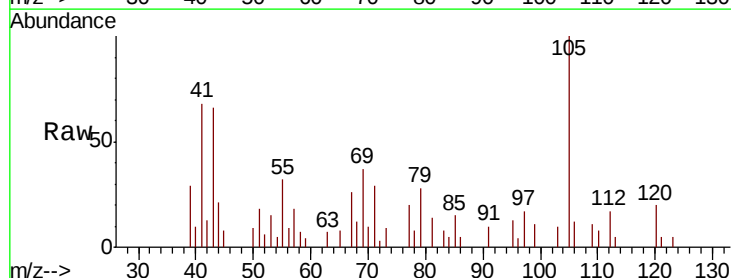
Acq: 13 Nov 2018 16:54

Tgt Ion:105 Resp: 5581

Ion Ratio Lower Upper

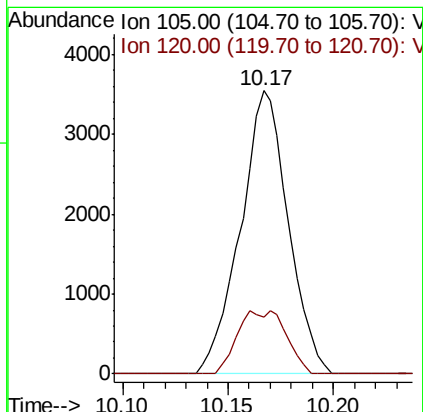
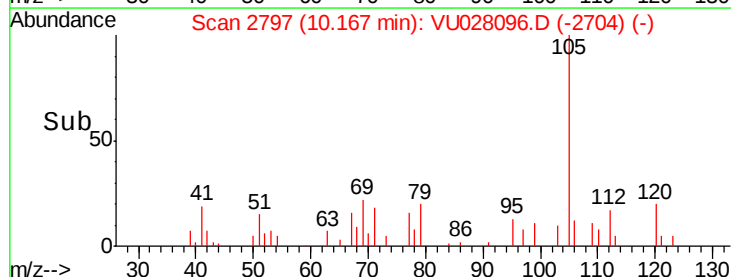
105 100

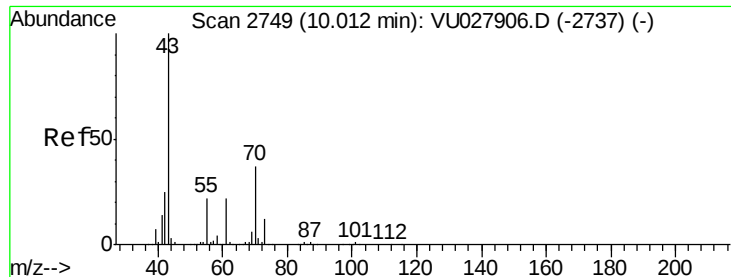
120 22.7 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

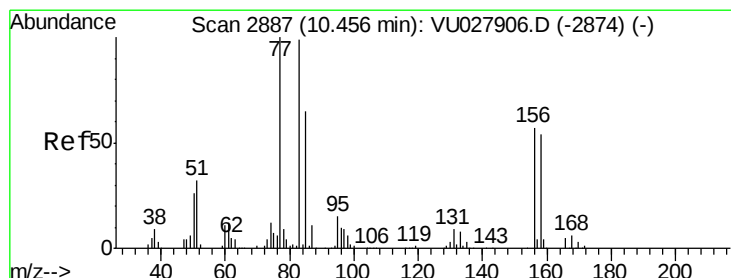
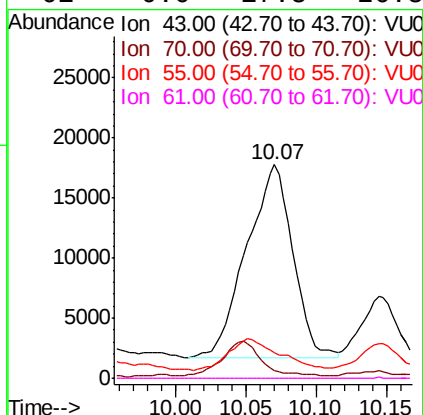
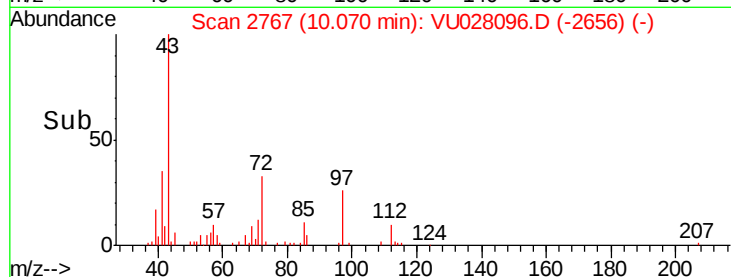
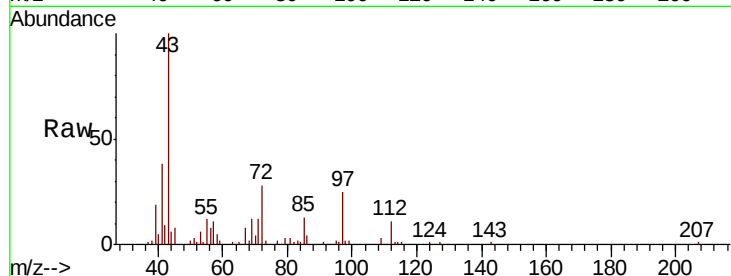




#74
N-amvl acetate
Concen: 4.270 ug/l
RT: 10.07 min Scan# 2767
Delta R.T. 0.06 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

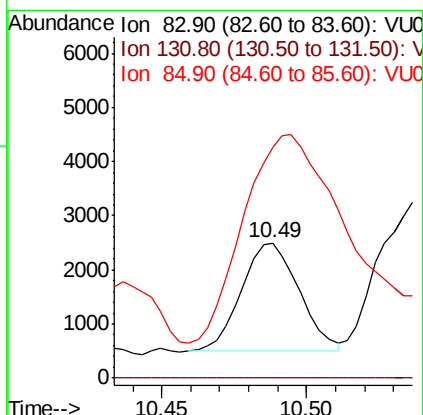
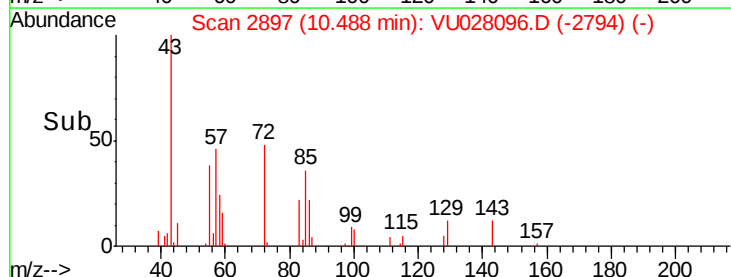
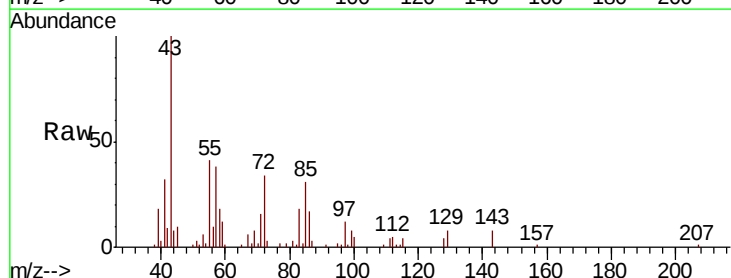
Instrument :
MSVOA_U
ClientSampled :

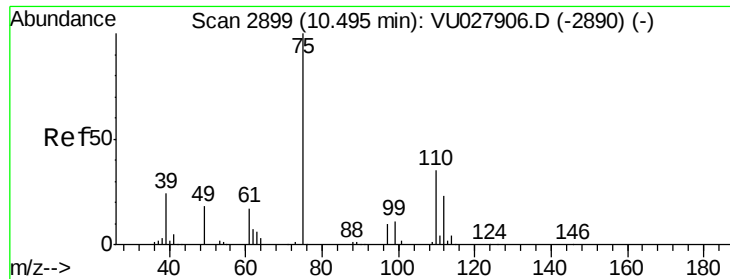
Tot Ion: 43 Resp: 36742
Ion Ratio Lower Upper
43 100
70 0.0 29.2 43.8#
55 0.0 17.8 26.6#
61 0.0 17.8 26.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.476 ug/l
RT: 10.49 min Scan# 2897
Delta R.T. 0.03 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

Tgt Ion: 83 Resp: 2734
Ion Ratio Lower Upper
83 100
131 0.0 4.3 13.1#
85 345.0 32.4 97.2#

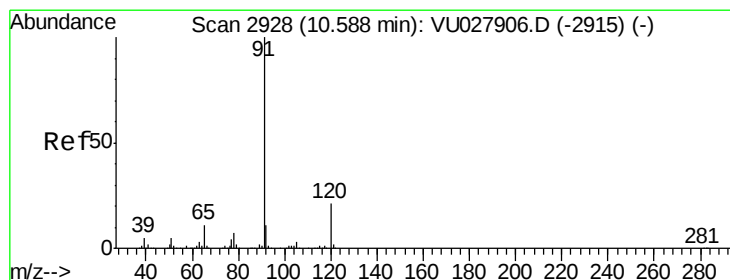
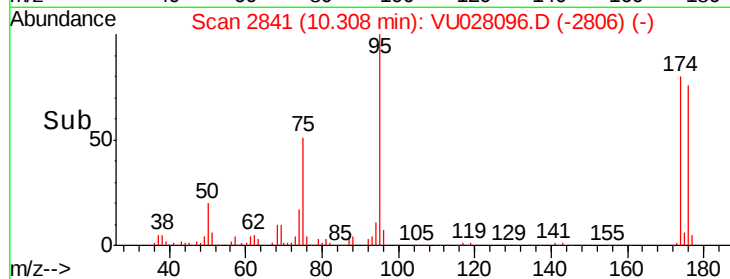
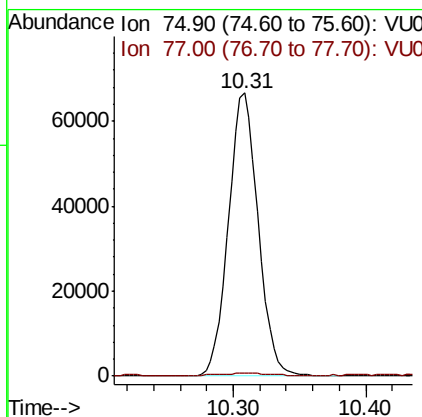
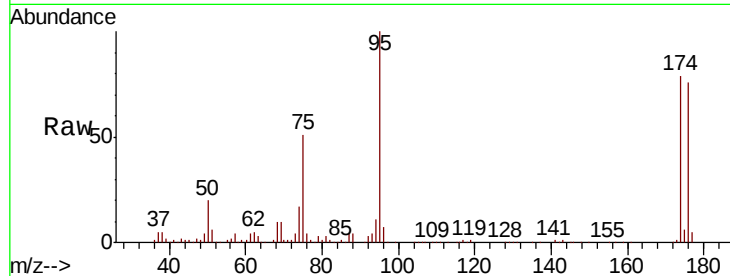




#76
 1,2,3-Trichloropropane
 Concen: 20.667 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU028096.D
 Acq: 13 Nov 2018 16:54

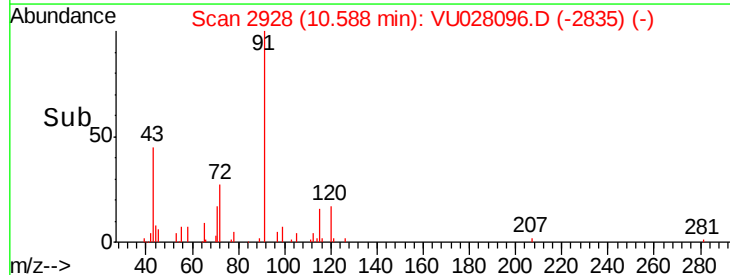
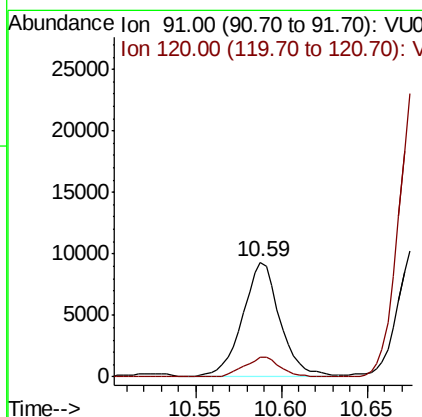
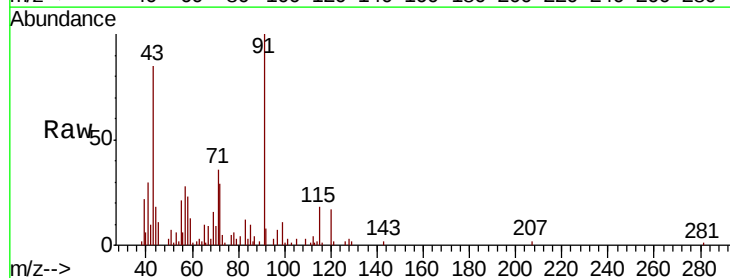
Instrument :
 MSVOA_U
 ClientSampleId :

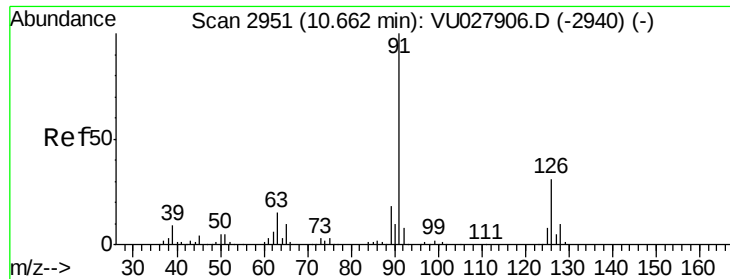
Tot Ion: 75 Resp: 103841
 Ion Ratio Lower Upper
 75 100
 77 1.9 21.6 64.6#



#78
 n-propylbenzene
 Concen: 0.830 ug/l
 RT: 10.59 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VU028096.D
 Acq: 13 Nov 2018 16:54

Tgt Ion: 91 Resp: 14138
 Ion Ratio Lower Upper
 91 100
 120 15.9 10.6 31.8

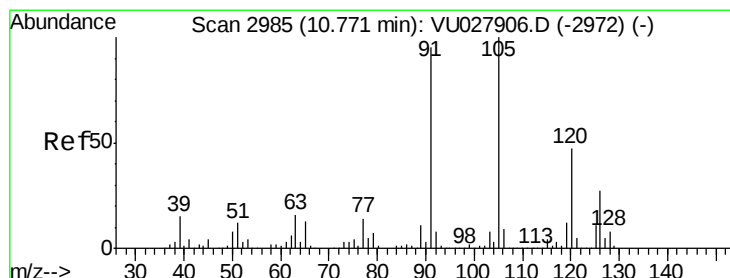
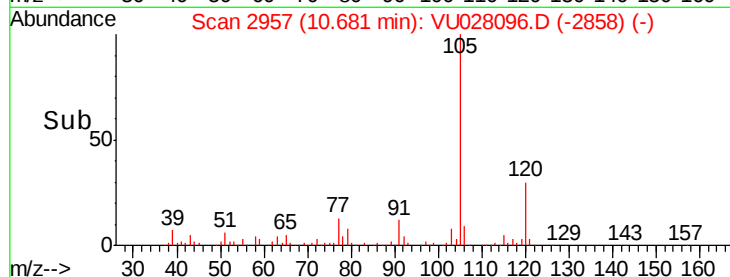
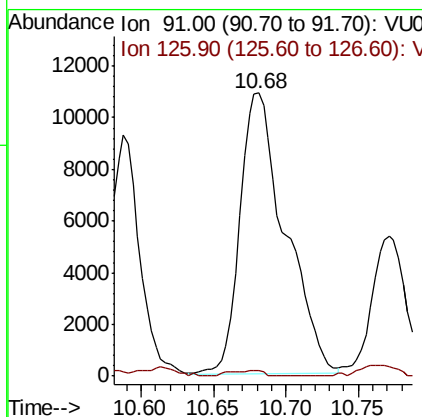
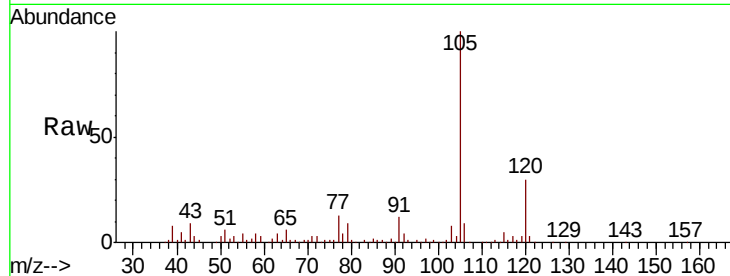




#79
 2-Chlorotoluene
 Concen: 2.307 ug/l
 RT: 10.68 min Scan# 2957
 Delta R.T. 0.02 min
 Lab File: VU028096.D
 Acq: 13 Nov 2018 16:54

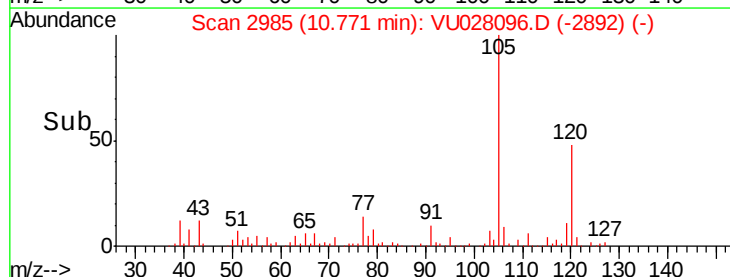
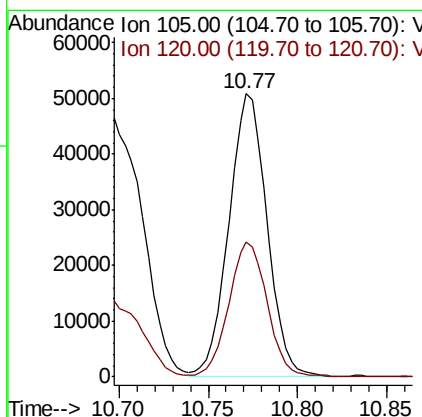
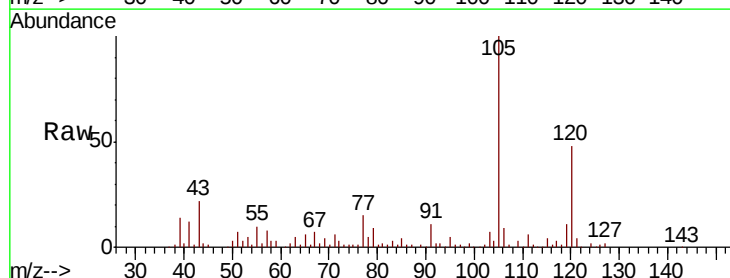
Instrument :
 MSVOA_U
 ClientSampleId :

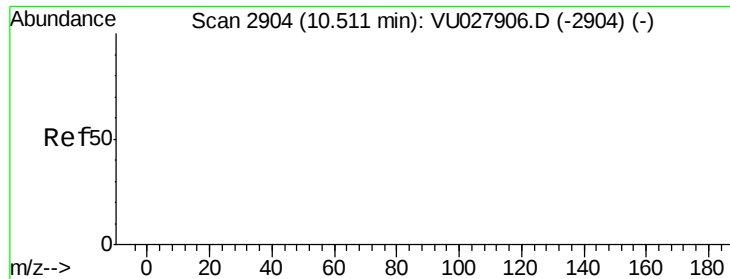
Tot Ion: 91 Resp: 23557
 Ion Ratio Lower Upper
 91 100
 126 1.4 16.0 47.9#



#80
 1,3,5-Trimethylbenzene
 Concen: 6.406 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028096.D
 Acq: 13 Nov 2018 16:54

Tgt Ion: 105 Resp: 75516
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.3 69.9

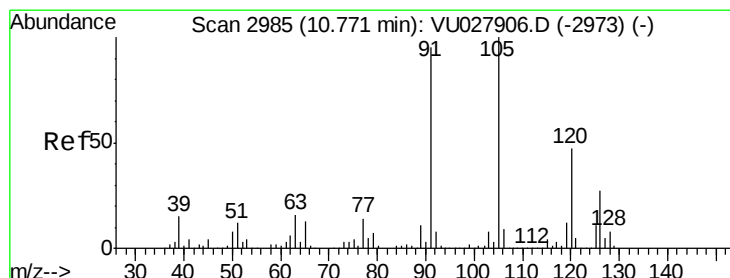
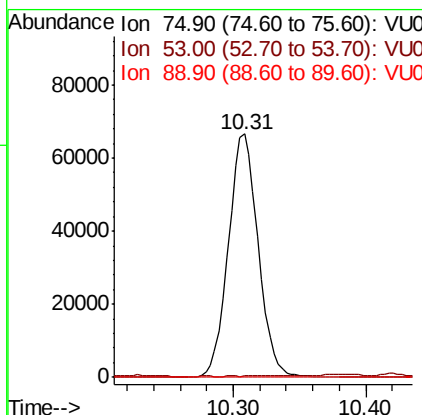
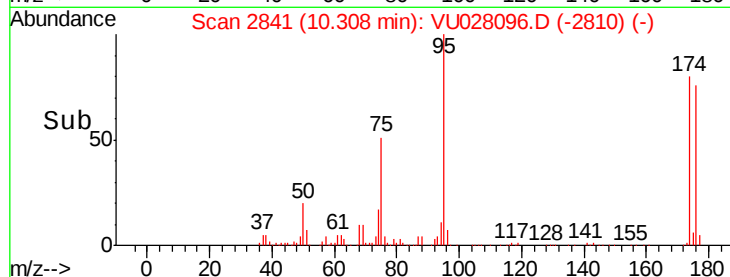
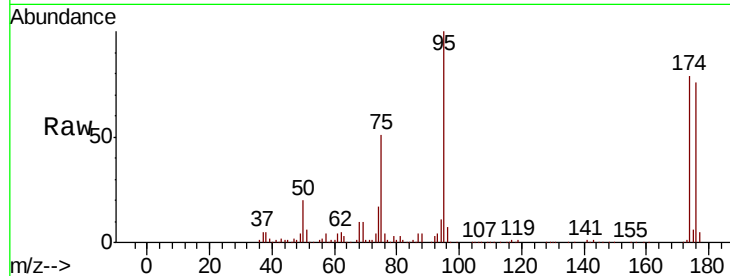




#81
trans-1,4-Dichloro-2-butene
Concen: 51.592 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

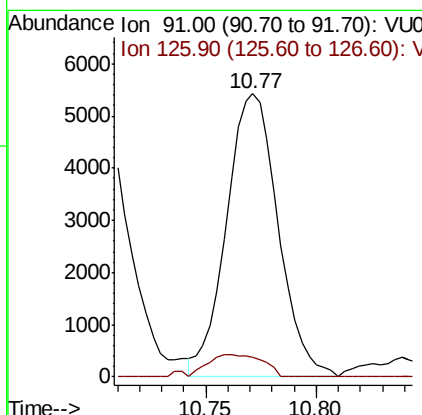
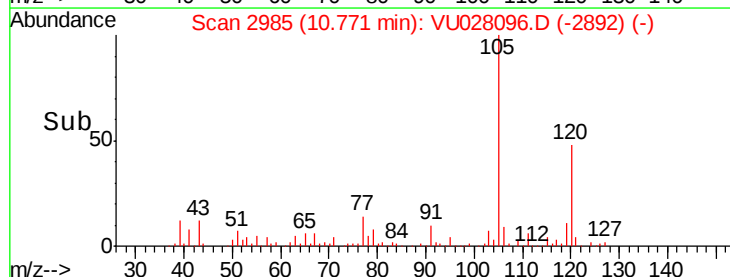
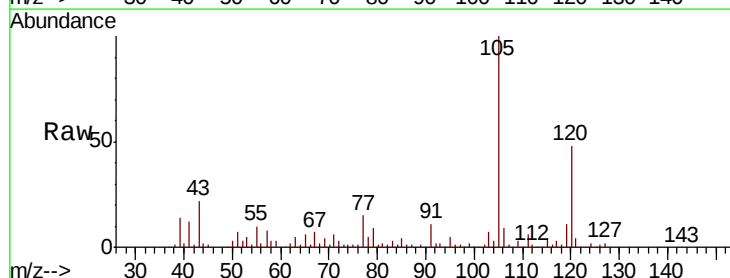
Instrument :
MSVOA_U
ClientSampled :

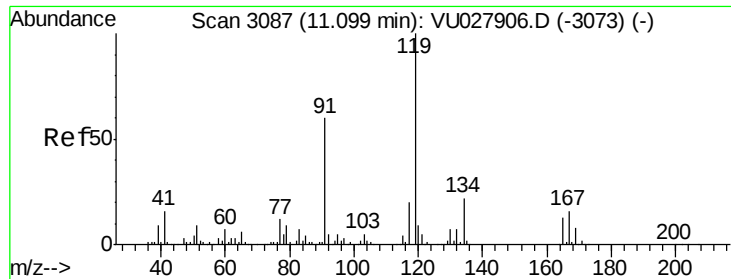
Tot Ion: 75 Resp: 103841
Ion Ratio Lower Upper
75 100
53 0.4 0.0 0.0#
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 0.762 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

Tgt Ion: 91 Resp: 8831
Ion Ratio Lower Upper
91 100
126 8.3 14.2 42.6#

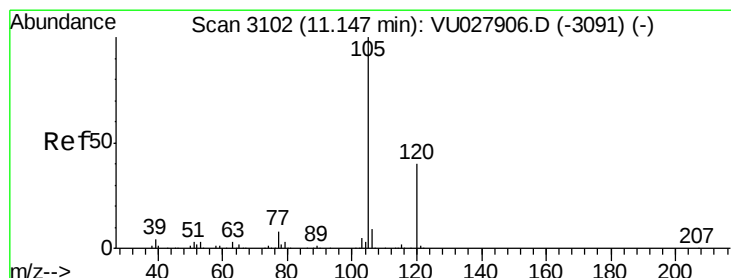
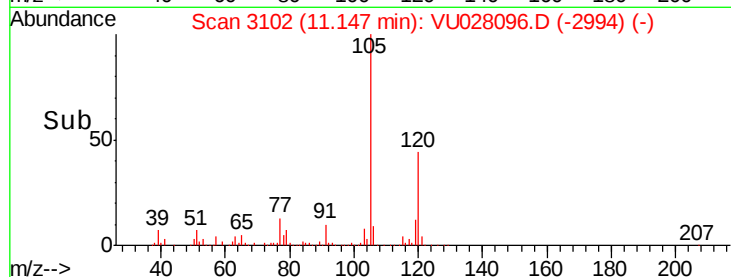
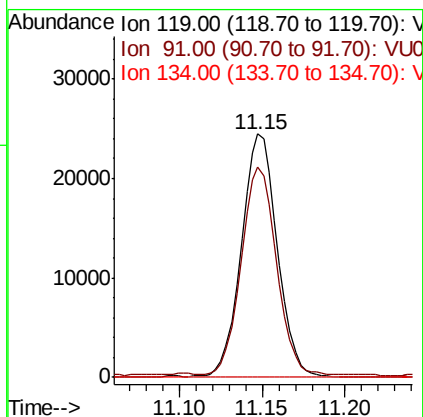
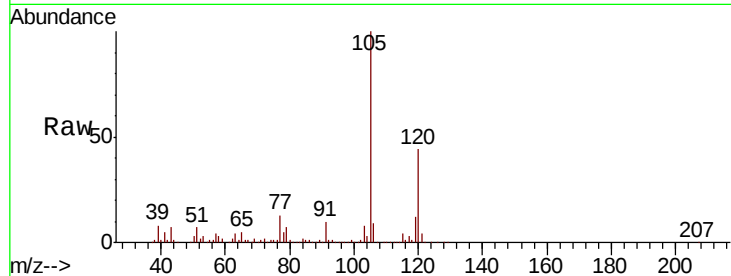




#83
tert-Butylbenzene
Concen: 3.113 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.05 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

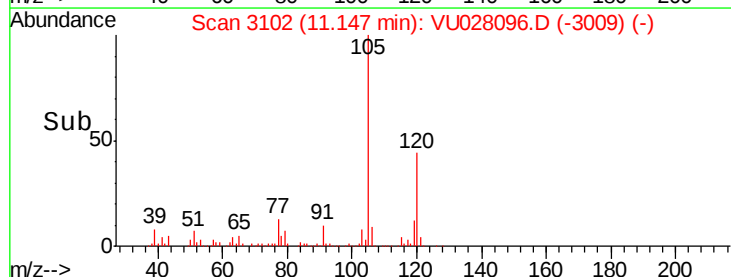
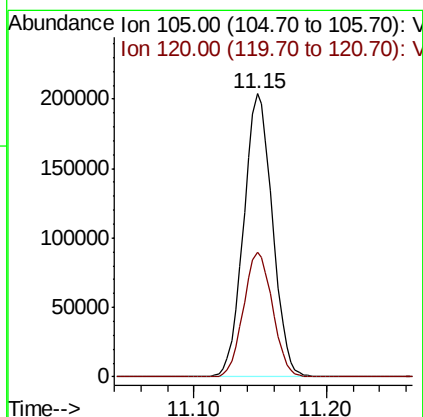
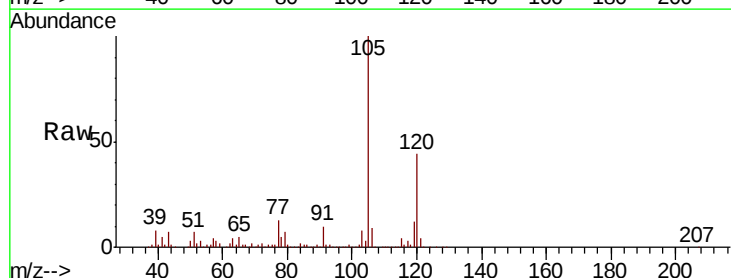
Instrument :
MSVOA_U
ClientSampleId :

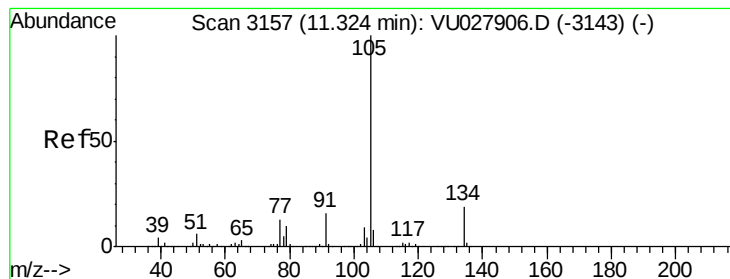
Tot Ion:119 Resp: 36685
Ion Ratio Lower Upper
119 100
91 83.8 29.8 89.3
134 0.0 11.1 33.1#



#84
1,2,4-Trimethylbenzene
Concen: 25.871 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

Tgt Ion:105 Resp: 307098
Ion Ratio Lower Upper
105 100
120 44.4 22.1 66.1





#85

sec-Butylbenzene

Concen: 21.427 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.18 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

Instrument :

MSVOA_U

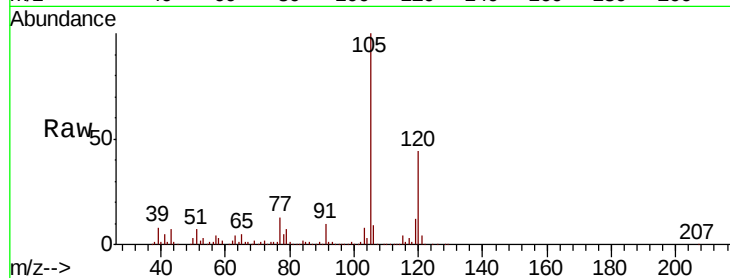
ClientSampleId :

Tot Ion:105 Resp: 307098

Ion Ratio Lower Upper

105 100

134 0.0 9.2 27.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.15

200000

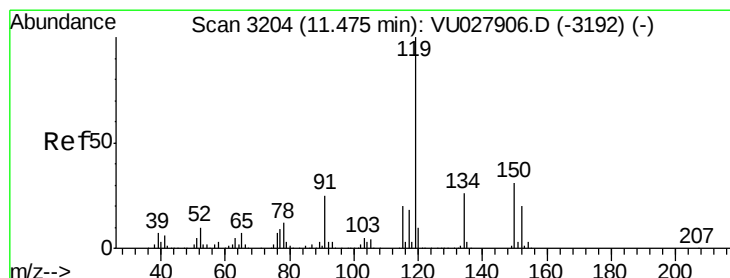
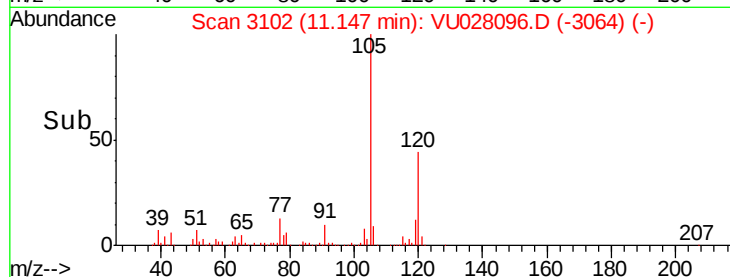
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 0.368 ug/l

RT: 11.42 min Scan# 3188

Delta R.T. -0.05 min

Lab File: VU028096.D

Acq: 13 Nov 2018 16:54

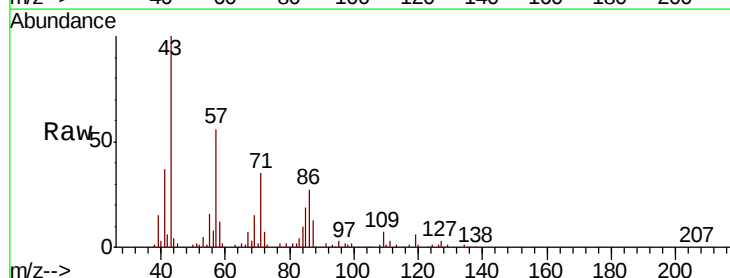
Tgt Ion:119 Resp: 4408

Ion Ratio Lower Upper

119 100

134 24.2 12.9 38.7

91 26.2 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

4000

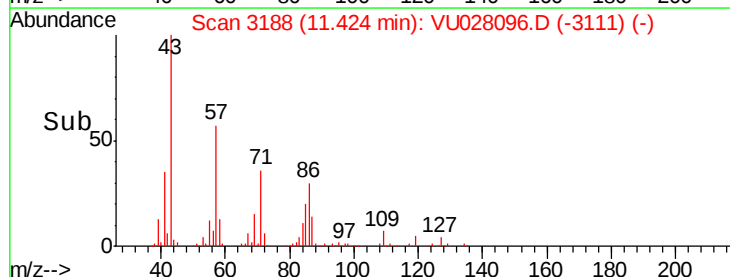
3000

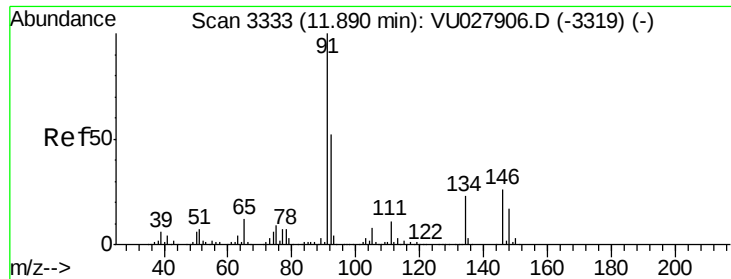
2000

1000

0

Time-->

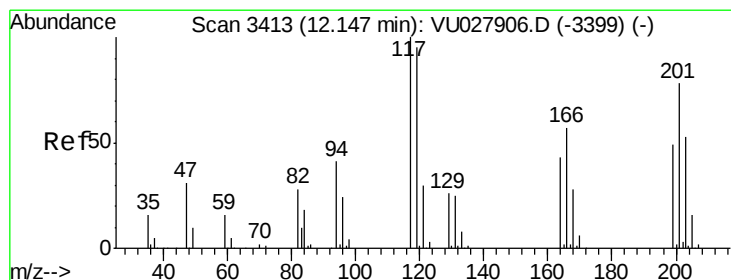
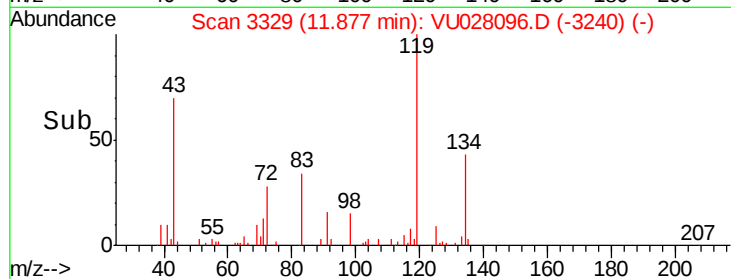
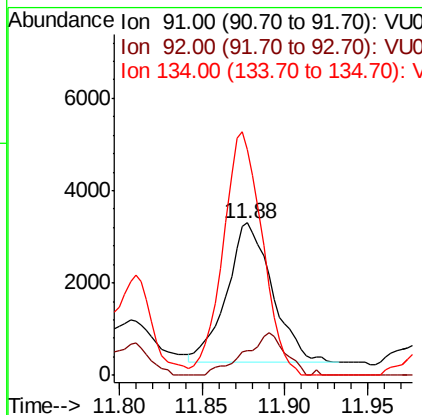
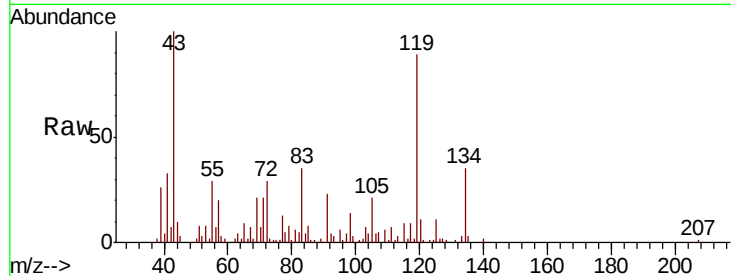




#89
n-Butylbenzene
Concen: 0.510 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. -0.01 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

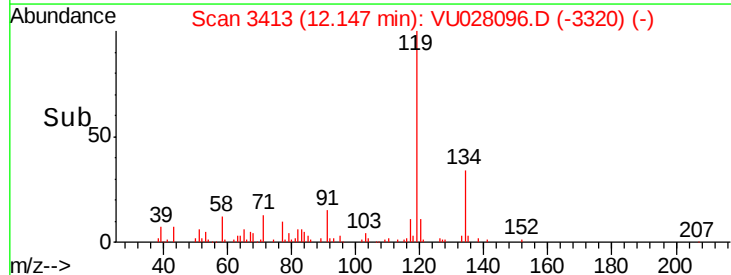
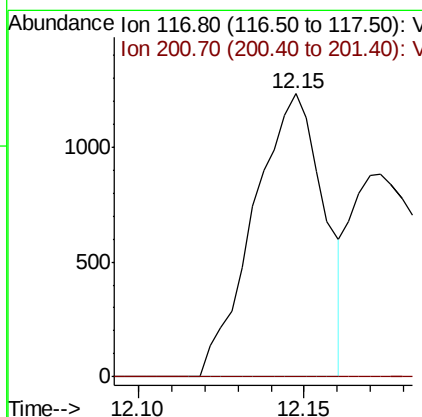
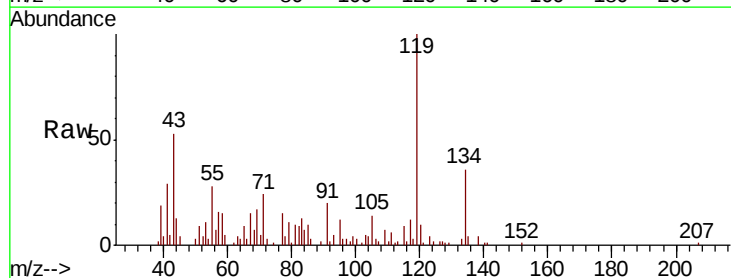
Instrument :
MSVOA_U
ClientSampleId :

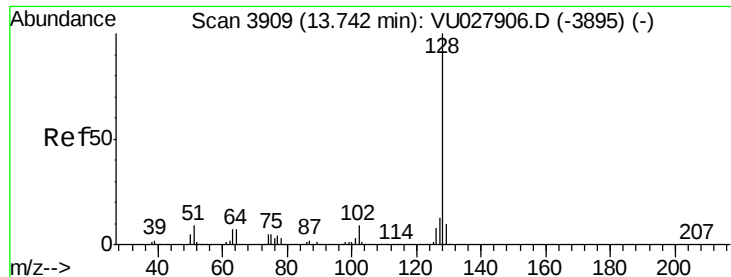
Tot Ion: 91 Resp: 5806
Ion Ratio Lower Upper
91 100
92 26.9 26.2 78.5
134 148.8 11.5 34.5#



#90
Hexachloroethane
Concen: 0.851 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

Tgt Ion: 117 Resp: 1815
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#

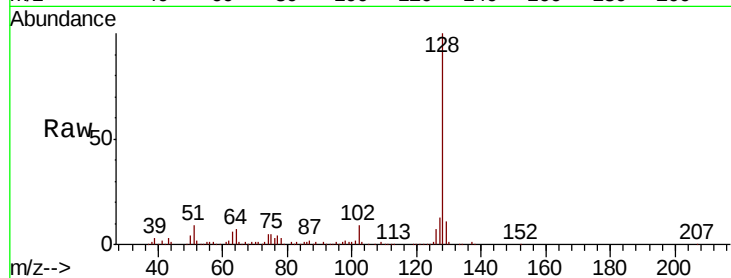




#95
Naphthalene
Concen: 10.608 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028096.D
Acq: 13 Nov 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.4	8.3	12.5



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

