

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
 Data File : VU028730.D
 Acq On : 17 Dec 2018 19:08
 Operator : MD/SY
 Sample : J6440-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMP-2

Quant Time: Dec 18 06:56:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	85829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	152984	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	139044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	57499	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	68570	52.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.70%	
35) Dibromofluoromethane	4.88	113	52185	54.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.40%	
50) Toluene-d8	7.57	98	198211	52.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	10.30	95	67130	47.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.32%	

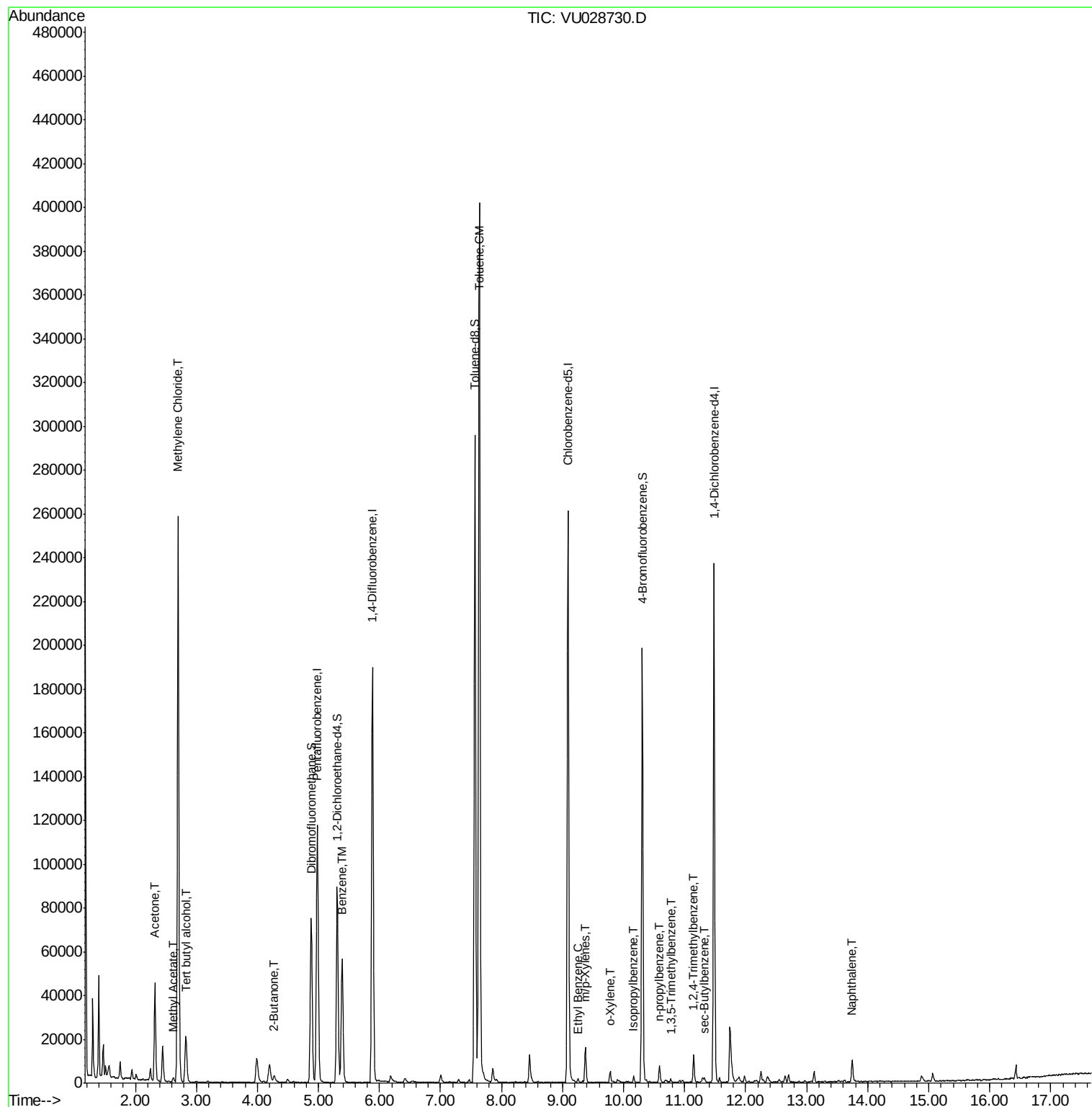
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	23997	82.232	ug/l	98
16) Acetone	2.32	43	46039	53.865	ug/l	97
18) Methyl Acetate	2.62	43	3438	1.552	ug/l #	89
20) Methylene Chloride	2.70	84	102974	81.728	ug/l	98
25) 2-Butanone	4.28	43	5521	4.727	ug/l #	90
40) Benzene	5.39	78	55404	11.237	ug/l	97
52) Toluene	7.64	92	164267	56.610	ug/l	99
67) Ethyl Benzene	9.25	91	2008	0.369	ug/l	90
68) m/p-Xylenes	9.37	106	4607	2.325	ug/l	99
69) o-Xylene	9.78	106	1614	0.838	ug/l	97
73) Isopropylbenzene	10.16	105	2188	0.496	ug/l	89
78) n-propylbenzene	10.58	91	6839	1.247	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	1177	0.322	ug/l	95
84) 1,2,4-Trimethylbenzene	11.15	105	6846	1.819	ug/l	95
85) sec-Butylbenzene	11.32	105	1590	0.352	ug/l	87
95) Naphthalene	13.75	128	8942	1.912	ug/l	99

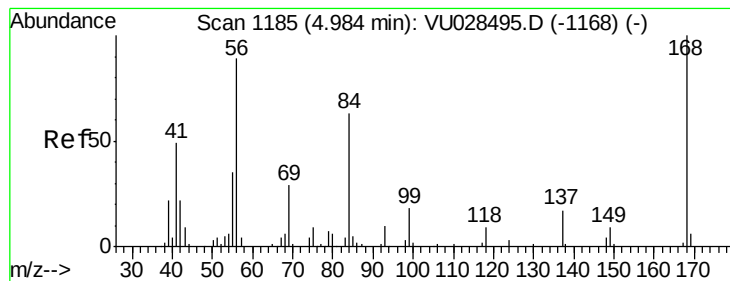
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028730.D

Acq: 17 Dec 2018 19:08

Instrument :

MSVOA_U

ClientSampleId :

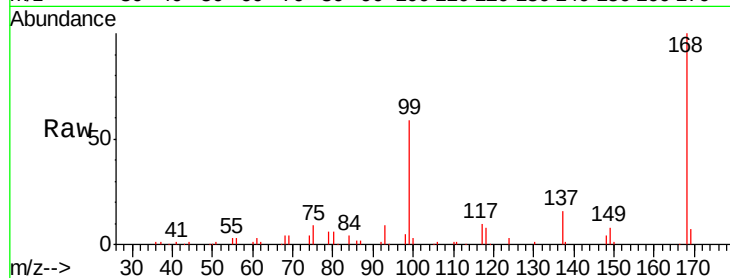
COMP-2

Tgt Ion:168 Resp: 85829

Ion Ratio Lower Upper

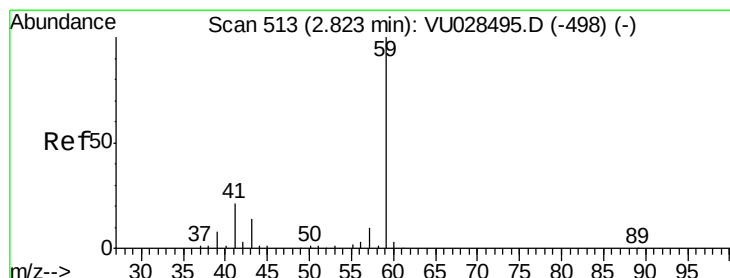
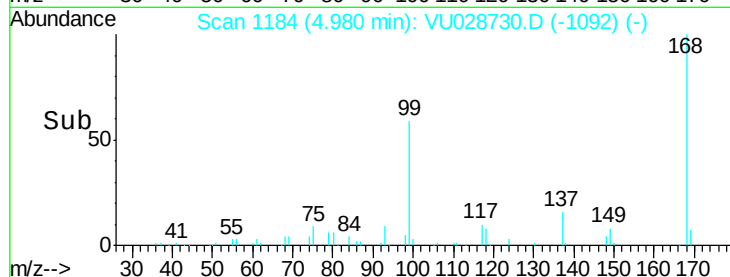
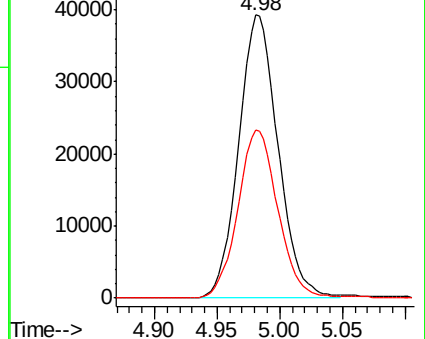
168 100

99 59.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)



#11

Tert butyl alcohol

Concen: 82.232 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU028730.D

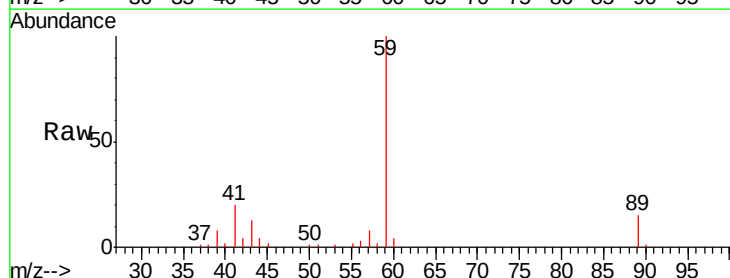
Acq: 17 Dec 2018 19:08

Tgt Ion: 59 Resp: 23997

Ion Ratio Lower Upper

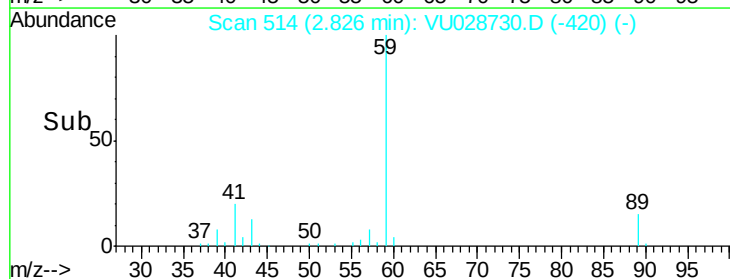
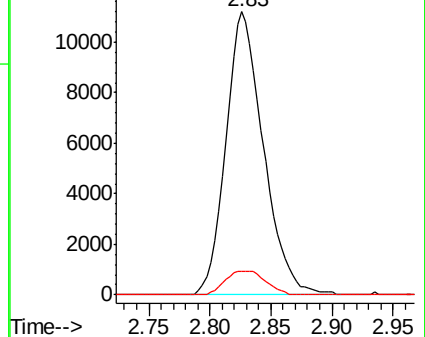
59 100

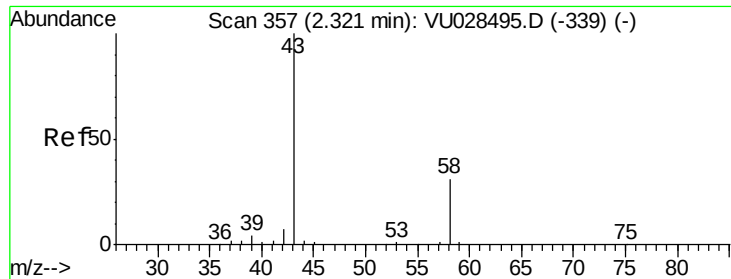
57 9.1 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VU028495.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028495.D (-498) (-)





#16

Acetone

Concen: 53.865 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028730.D

Acq: 17 Dec 2018 19:08

Instrument :

MSVOA_U

ClientSampleId :

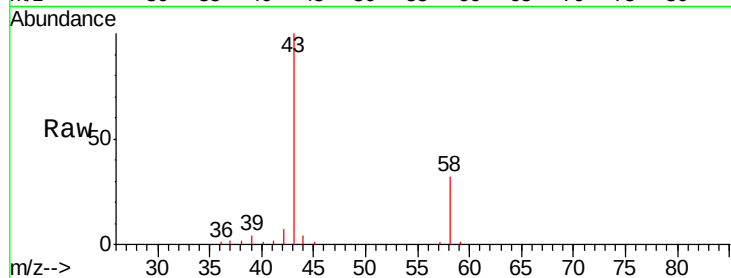
COMP-2

Tgt Ion: 43 Resp: 46039

Ion Ratio Lower Upper

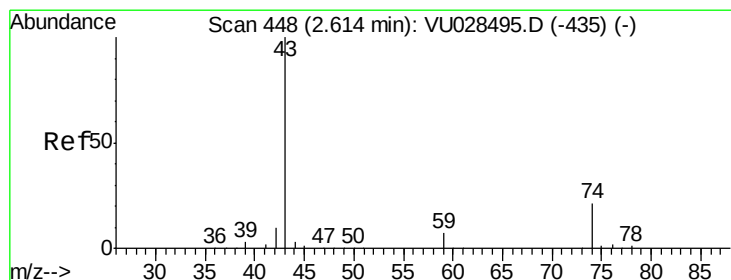
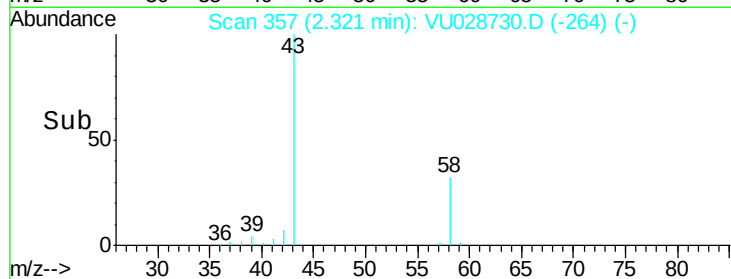
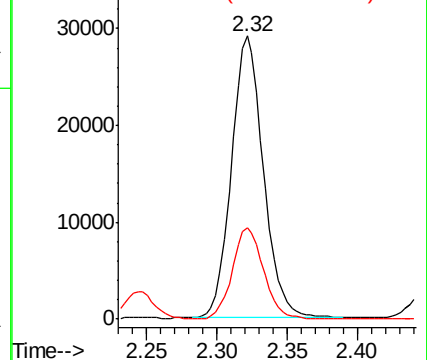
43 100

58 32.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 1.552 ug/l

RT: 2.62 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU028730.D

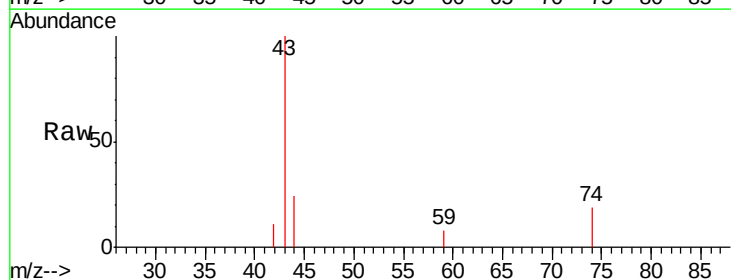
Acq: 17 Dec 2018 19:08

Tgt Ion: 43 Resp: 3438

Ion Ratio Lower Upper

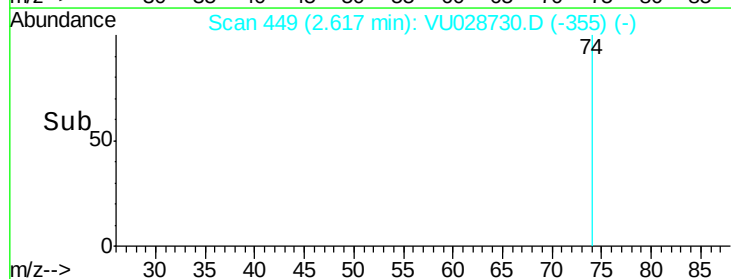
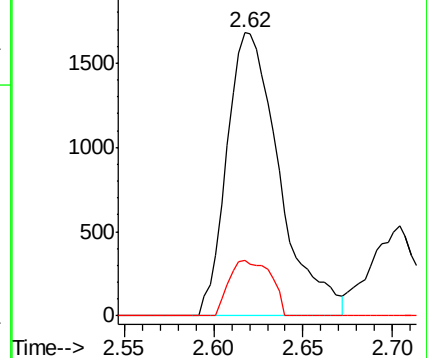
43 100

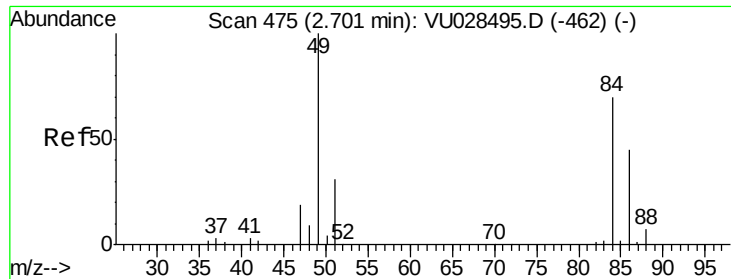
74 15.5 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

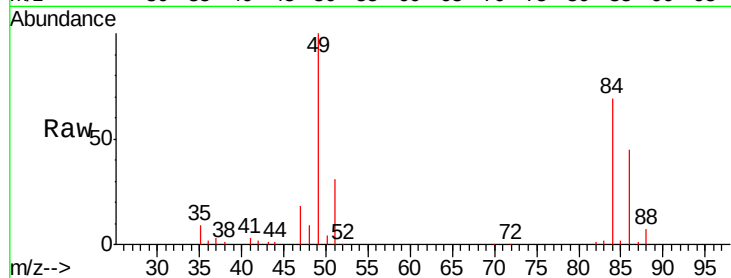




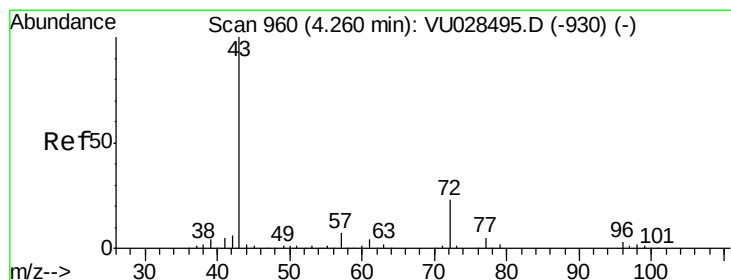
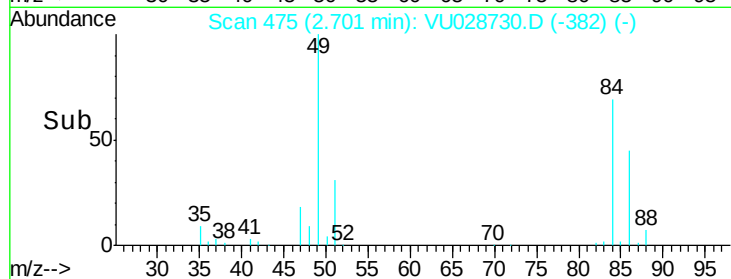
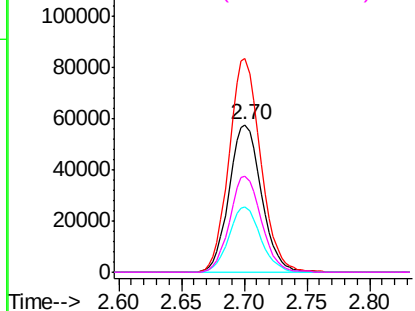
#20
Methylene Chloride
Concen: 81.728 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028730.D
Acq: 17 Dec 2018 19:08

Instrument :
MSVOA_U
ClientSampleId :
COMP-2

Tgt Ion: 84 Resp: 102974
Ion Ratio Lower Upper
84 100
49 144.6 114.0 171.0
51 44.5 35.1 52.7
86 65.2 51.0 76.6

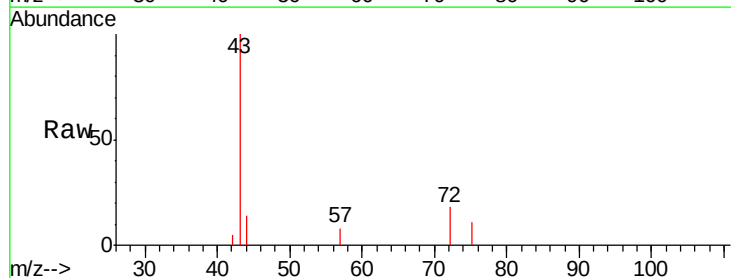


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

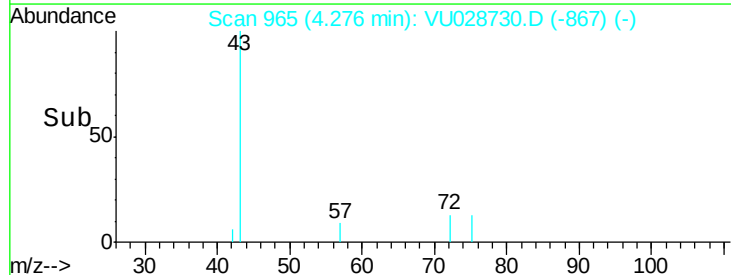
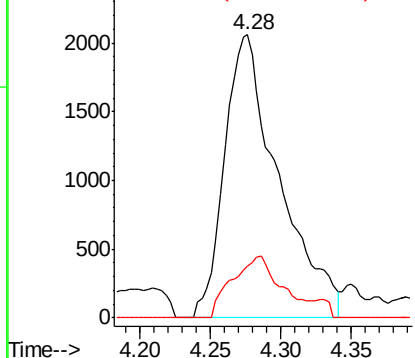


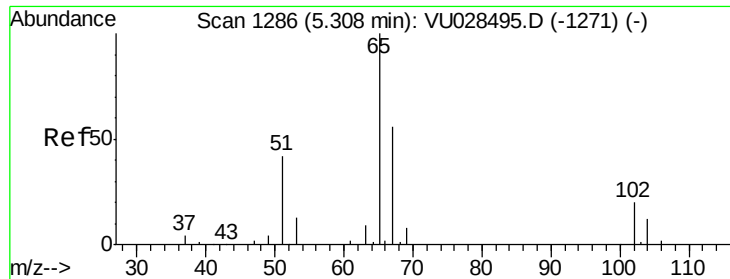
#25
2-Butanone
Concen: 4.727 ug/l
RT: 4.28 min Scan# 965
Delta R.T. 0.02 min
Lab File: VU028730.D
Acq: 17 Dec 2018 19:08

Tgt Ion: 43 Resp: 5521
Ion Ratio Lower Upper
43 100
72 18.5 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 72.00 (71.70 to 72.70): VU0

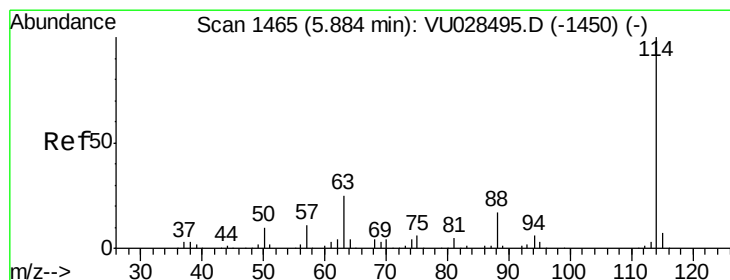
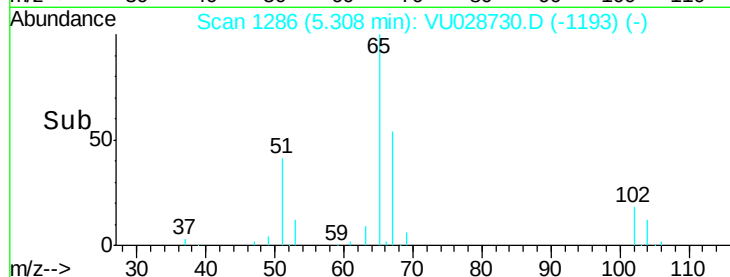
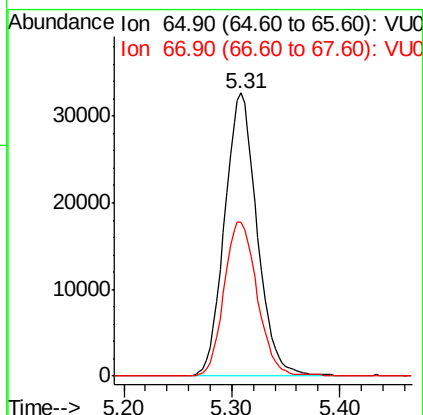
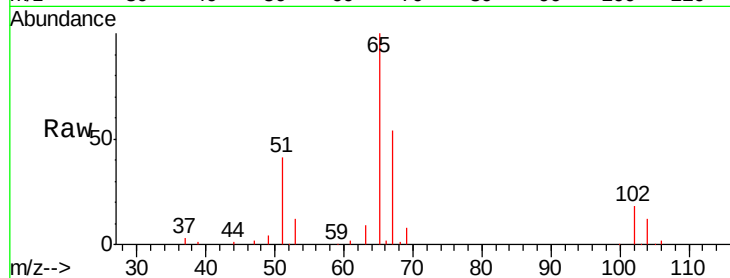




#33
 1,2-Dichloroethane-d4
 Concen: 52.351 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028730.D
 Acq: 17 Dec 2018 19:08

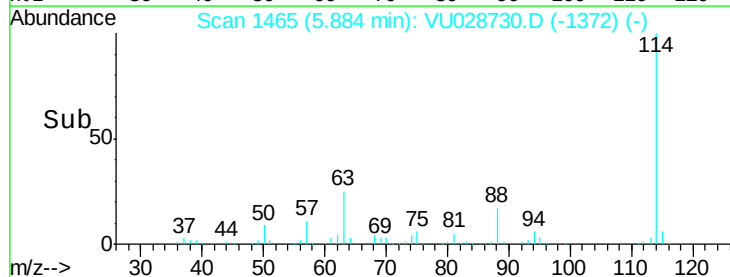
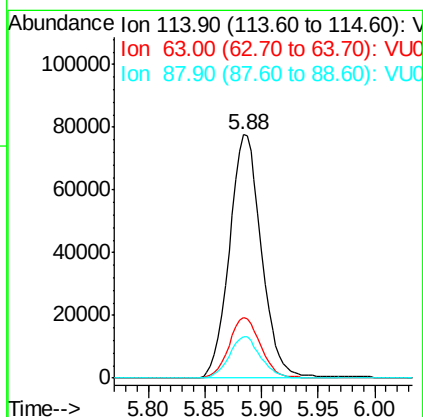
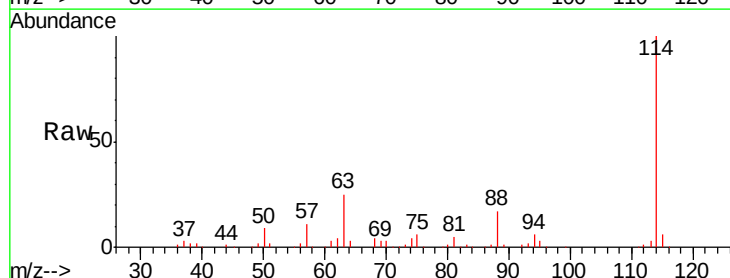
Instrument :
 MSVOA_U
 ClientSampleId :
 COMP-2

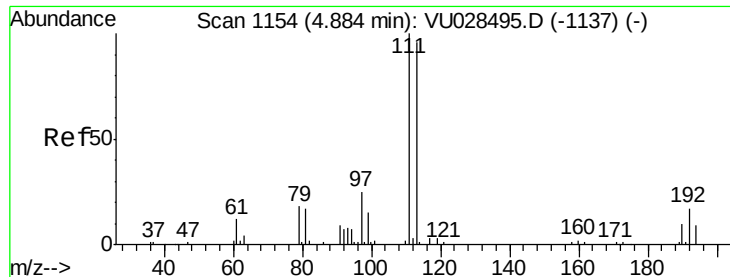
Tgt Ion: 65 Resp: 68570
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028730.D
 Acq: 17 Dec 2018 19:08

Tgt Ion: 114 Resp: 152984
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 17.0 0.0 33.4

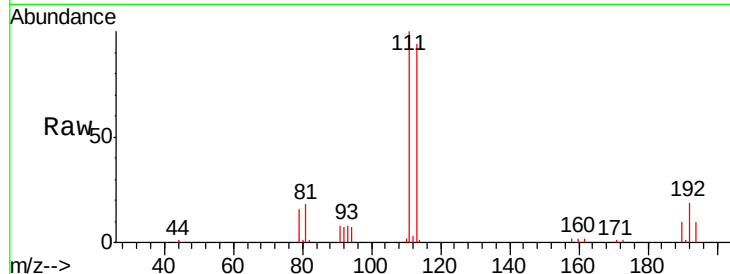




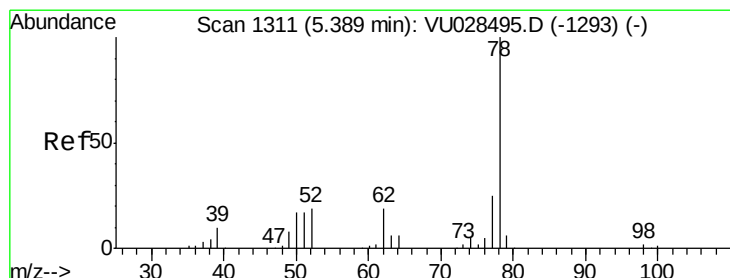
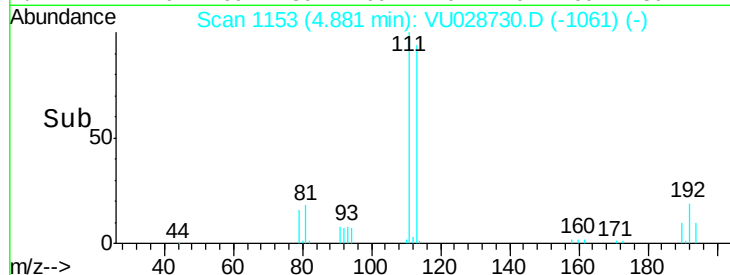
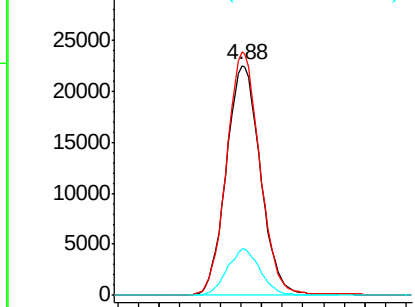
#35
 Dibromofluoromethane
 Concen: 54.205 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028730.D
 Acq: 17 Dec 2018 19:08

Instrument :
 MSVOA_U
 ClientSampleId :
 COMP-2

Tgt Ion: 113 Resp: 52185
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.4 125.0
 192 19.2 14.8 22.2

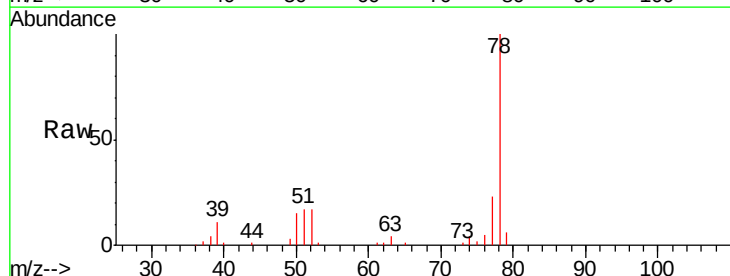


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

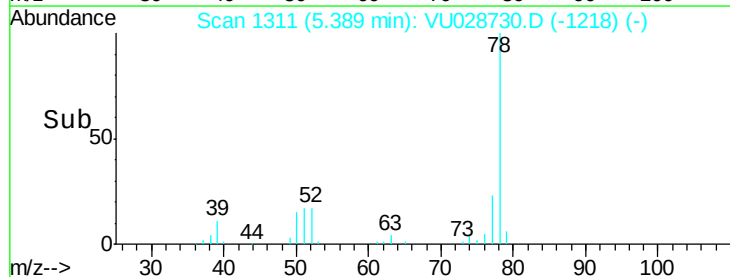
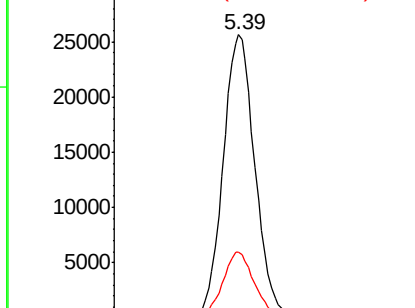


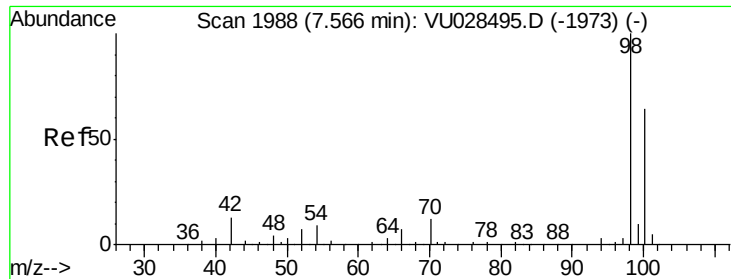
#40
 Benzene
 Concen: 11.237 ug/l
 RT: 5.39 min Scan# 1311
 Delta R.T. -0.00 min
 Lab File: VU028730.D
 Acq: 17 Dec 2018 19:08

Tgt Ion: 78 Resp: 55404
 Ion Ratio Lower Upper
 78 100
 77 23.4 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

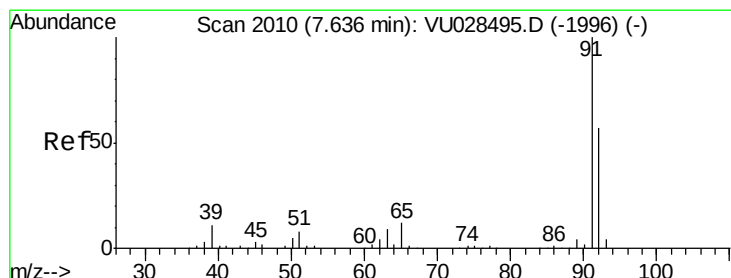
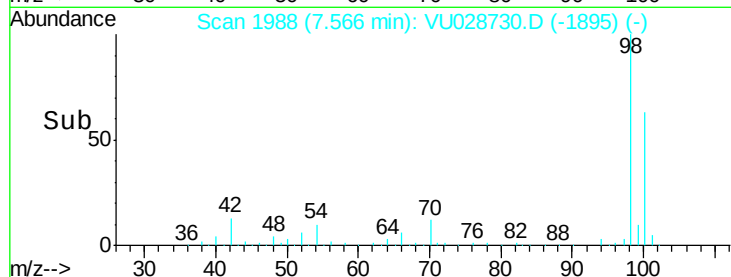
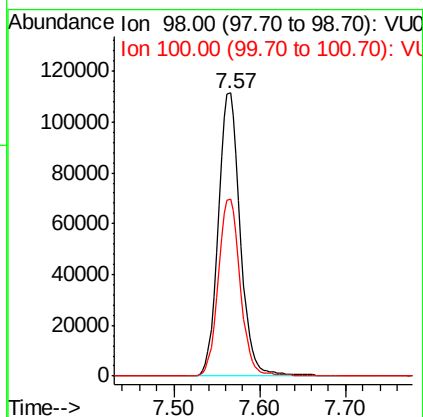
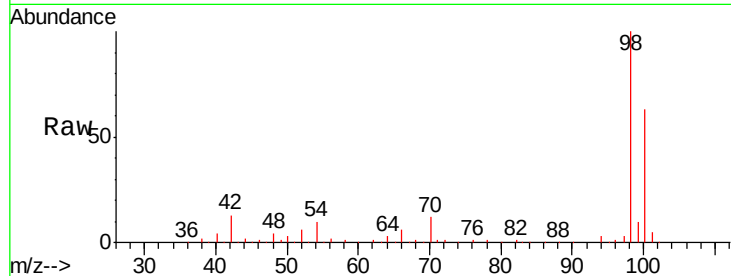




#50
Toluene-d8
Concen: 52.045 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028730.D
Acq: 17 Dec 2018 19:08

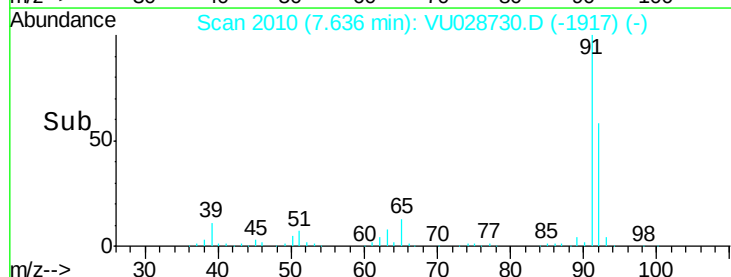
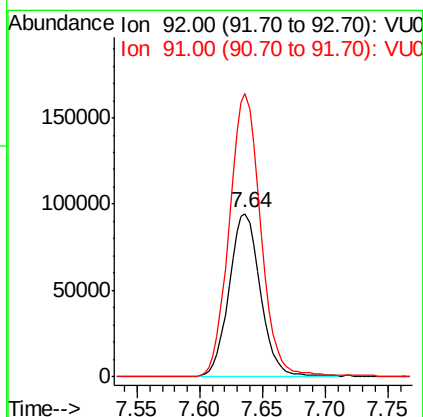
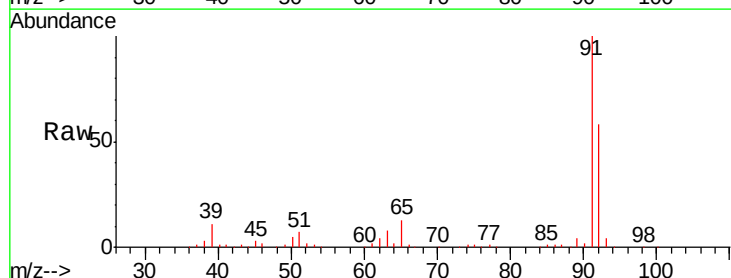
Instrument :
MSVOA_U
ClientSampleId :
COMP-2

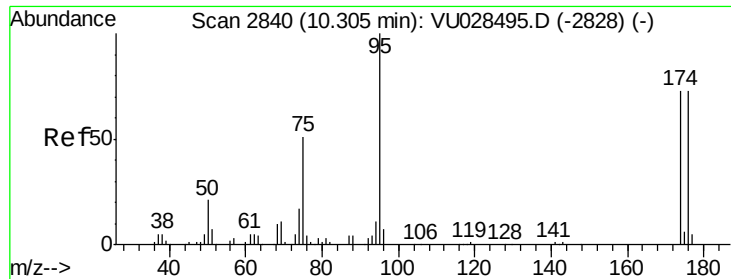
Tgt Ion: 98 Resp: 198211
Ion Ratio Lower Upper
98 100
100 62.6 51.0 76.6



#52
Toluene
Concen: 56.610 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028730.D
Acq: 17 Dec 2018 19:08

Tgt Ion: 92 Resp: 164267
Ion Ratio Lower Upper
92 100
91 174.4 140.2 210.4

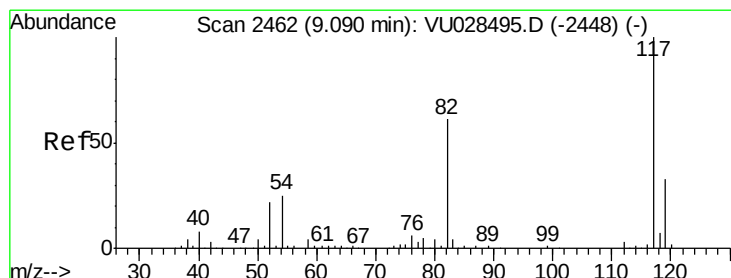
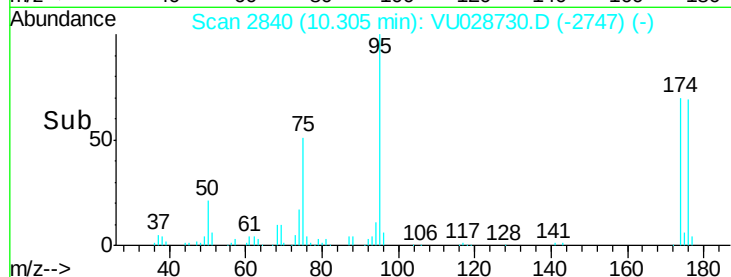
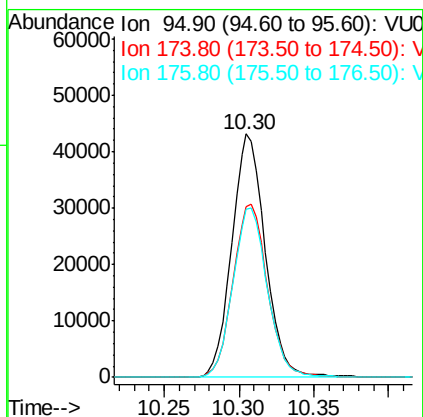
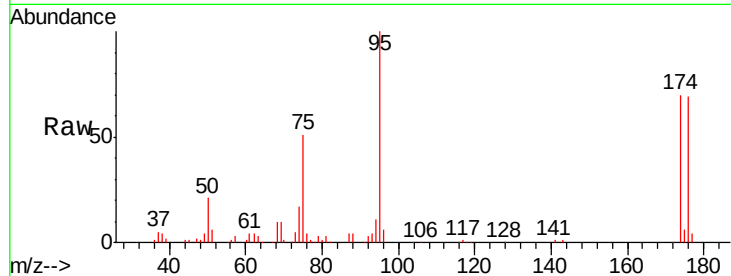




#62
 4-Bromofluorobenzene
 Concen: 47.160 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028730.D
 Acq: 17 Dec 2018 19:08

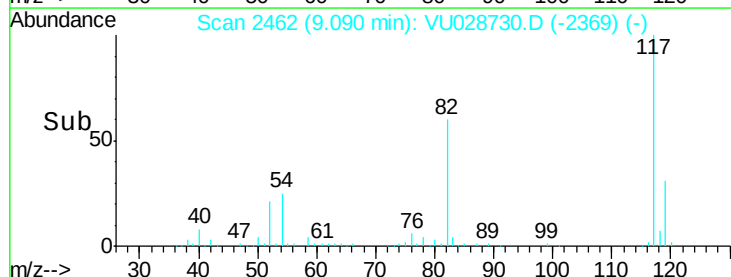
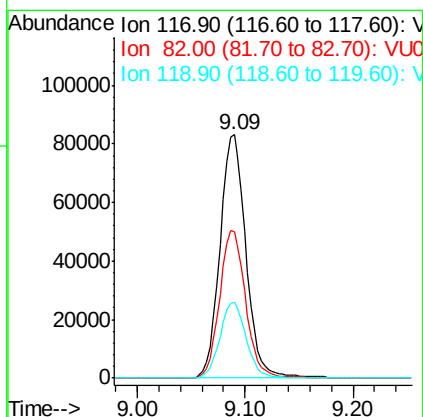
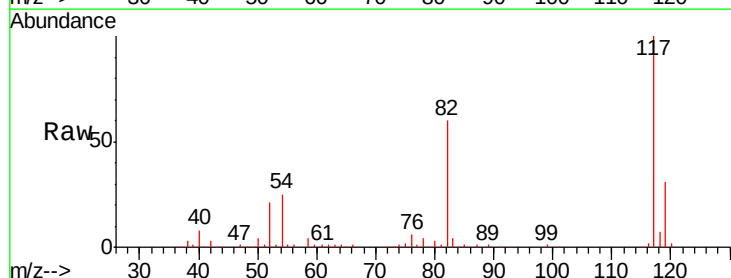
Instrument :
 MSVOA_U
 ClientSampleId :
 COMP-2

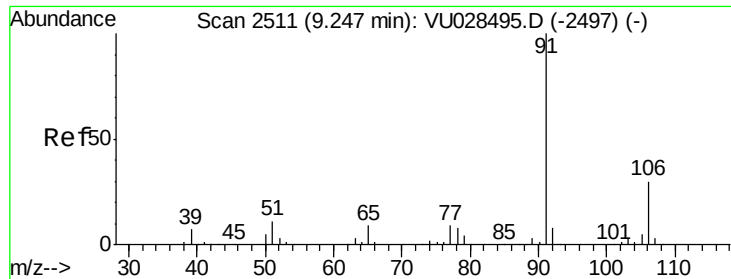
Tgt Ion: 95 Resp: 67130
 Ion Ratio Lower Upper
 95 100
 174 73.7 0.0 150.4
 176 71.8 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU028730.D
 Acq: 17 Dec 2018 19:08

Tgt Ion: 117 Resp: 139044
 Ion Ratio Lower Upper
 117 100
 82 60.3 48.9 73.3
 119 31.2 26.2 39.4





#67

Ethyl Benzene

Concen: 0.369 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028730.D

Acq: 17 Dec 2018 19:08

Instrument :

MSVOA_U

ClientSampleId :

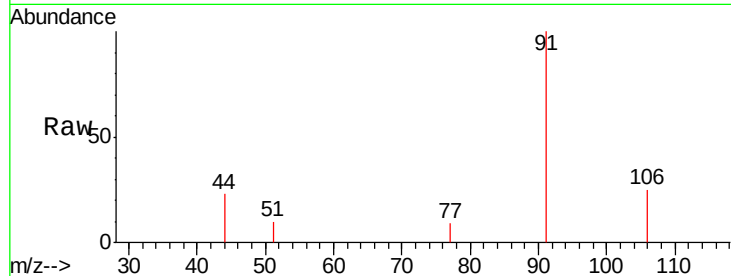
COMP-2

Tgt Ion: 91 Resp: 2008

Ion Ratio Lower Upper

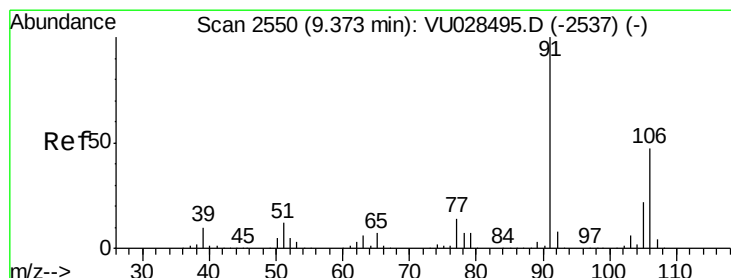
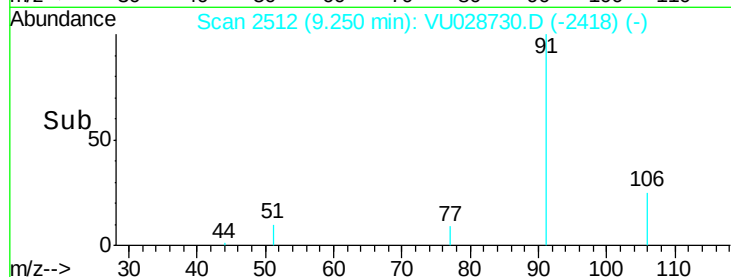
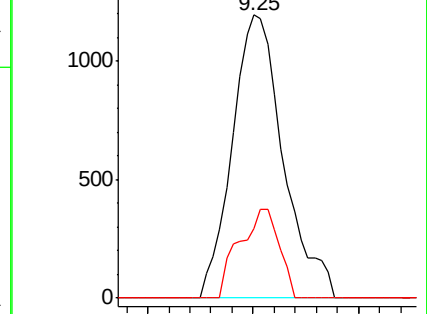
91 100

106 24.7 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU028730.D (-2418) (-)

Ion 106.00 (105.70 to 106.70): VU028730.D (-2418) (-)



#68

m/p-Xylenes

Concen: 2.325 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028730.D

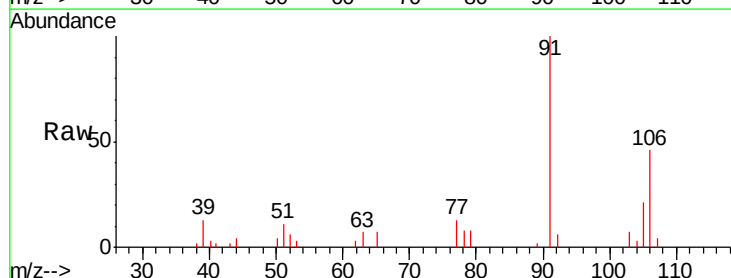
Acq: 17 Dec 2018 19:08

Tgt Ion: 106 Resp: 4607

Ion Ratio Lower Upper

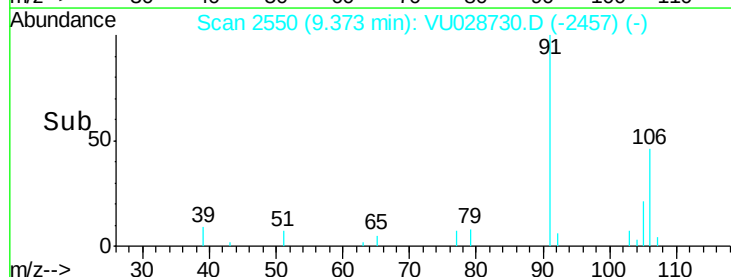
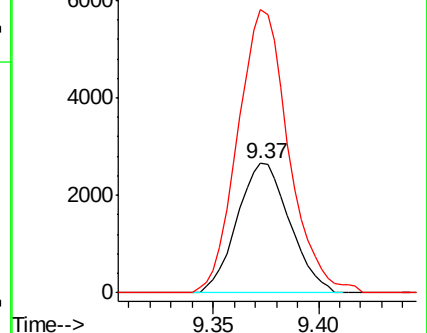
106 100

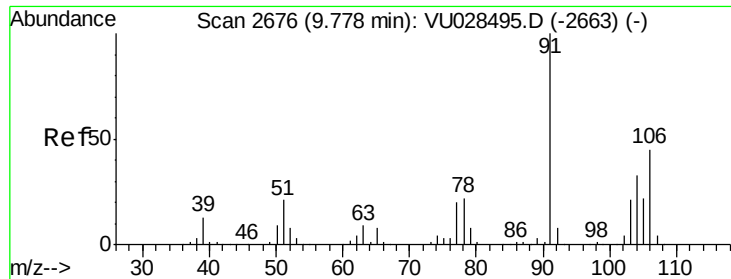
91 211.4 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): VU028730.D (-2457) (-)

Ion 91.00 (90.70 to 91.70): VU028730.D (-2457) (-)

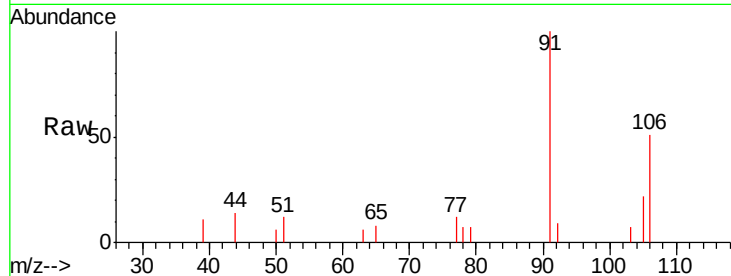




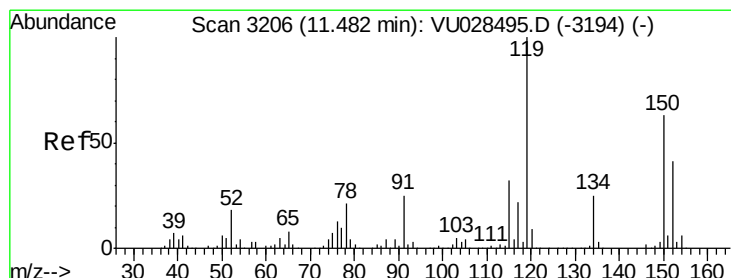
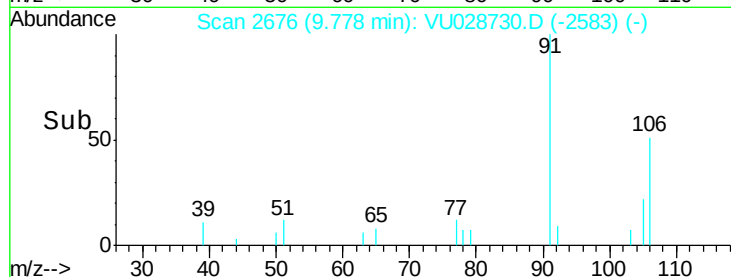
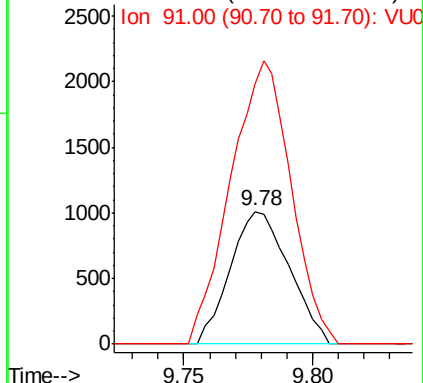
#69
o-Xylene
Concen: 0.838 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028730.D
Acq: 17 Dec 2018 19:08

Instrument :
MSVOA_U
ClientSampled :
COMP-2

Tgt Ion:106 Resp: 1614
Ion Ratio Lower Upper
106 100
91 218.5 111.3 334.0

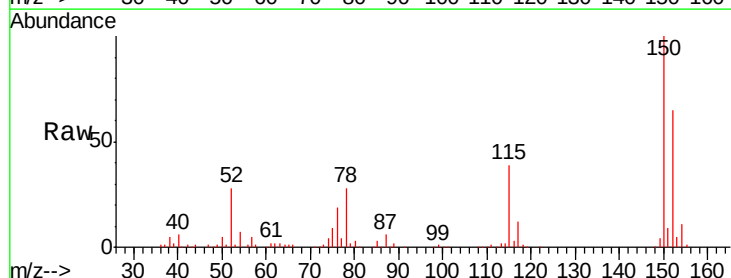


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

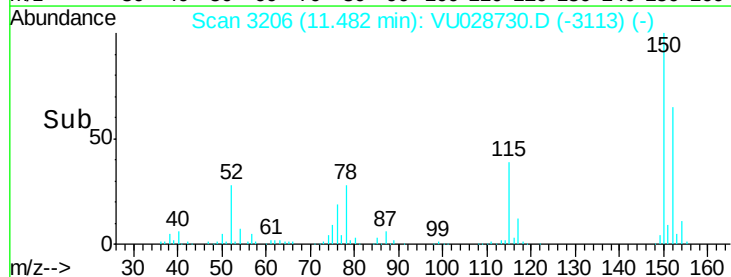
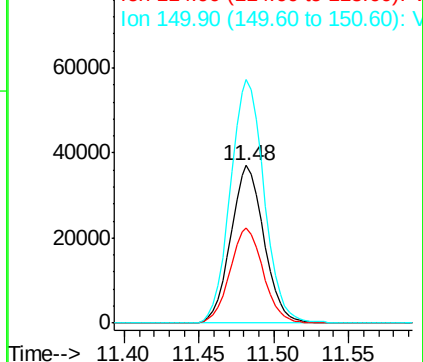


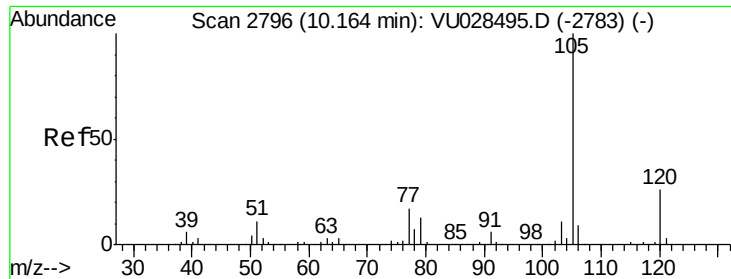
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028730.D
Acq: 17 Dec 2018 19:08

Tgt Ion:152 Resp: 57499
Ion Ratio Lower Upper
152 100
115 60.3 42.7 128.1
150 156.6 0.0 346.0



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: 0.496 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028730.D

Acq: 17 Dec 2018 19:08

Instrument :

MSVOA_U

ClientSampleId :

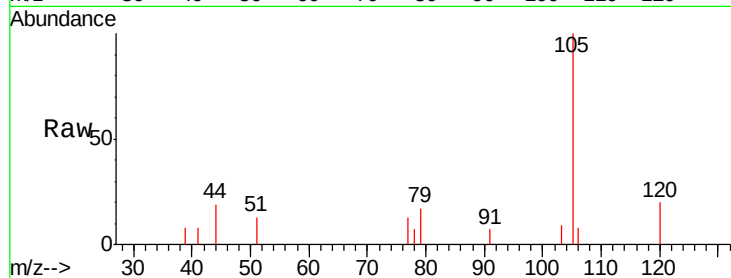
COMP-2

Tgt Ion: 105 Resp: 2188

Ion Ratio Lower Upper

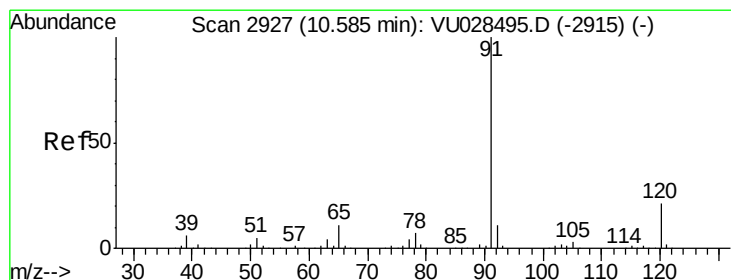
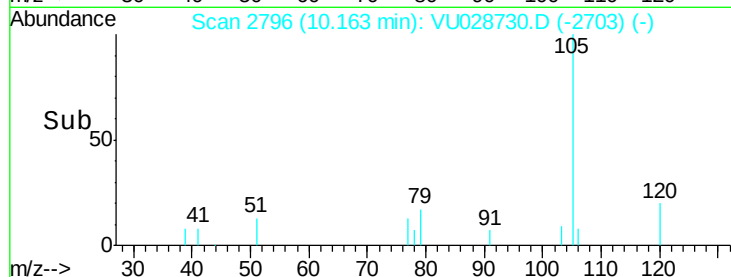
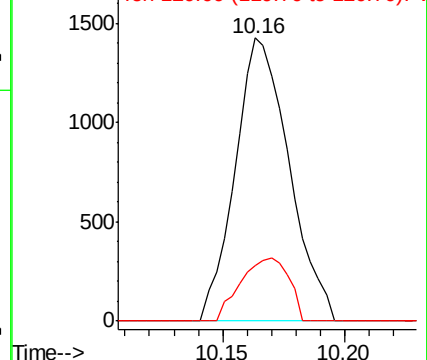
105 100

120 20.0 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.247 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028730.D

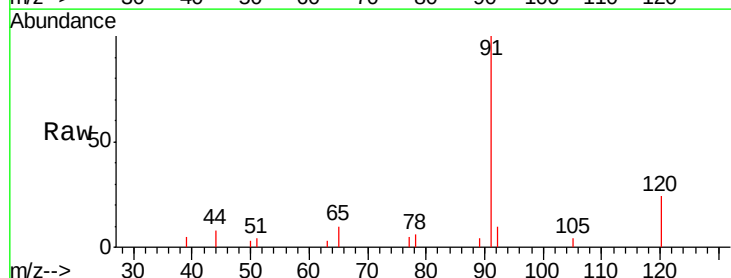
Acq: 17 Dec 2018 19:08

Tgt Ion: 91 Resp: 6839

Ion Ratio Lower Upper

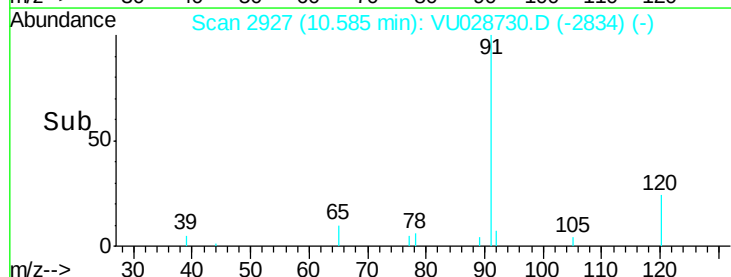
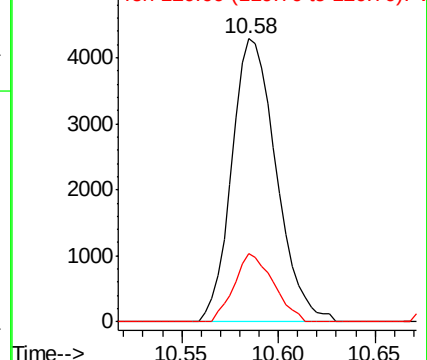
91 100

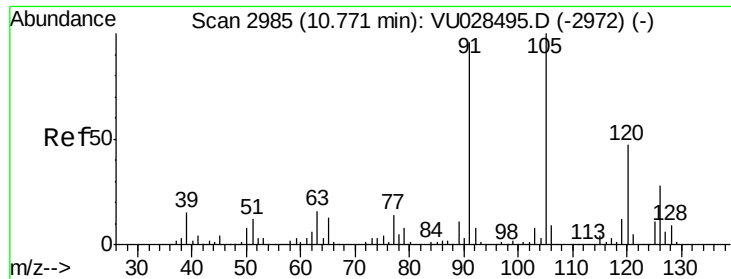
120 21.2 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

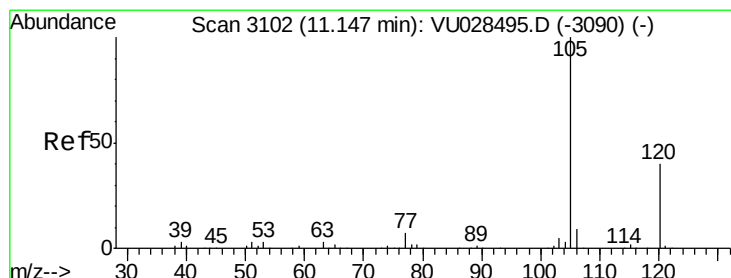
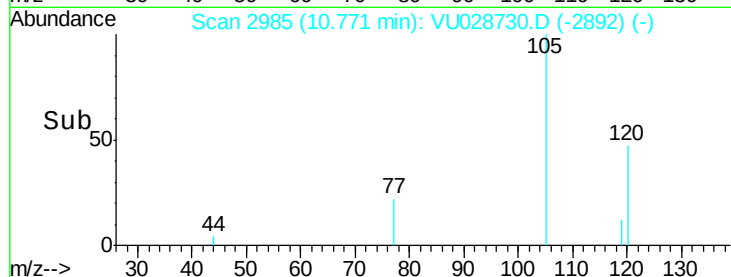
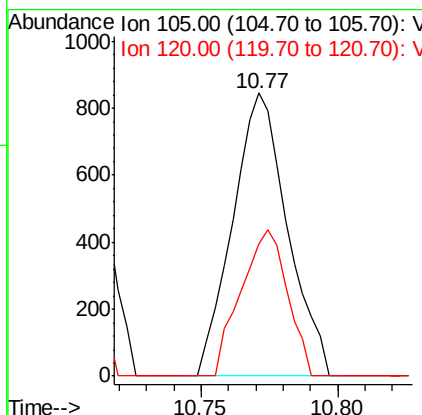
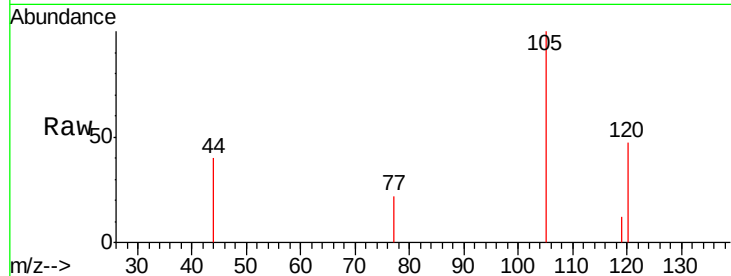




#80
 1,3,5-Trimethylbenzene
 Concen: 0.322 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028730.D
 Acq: 17 Dec 2018 19:08

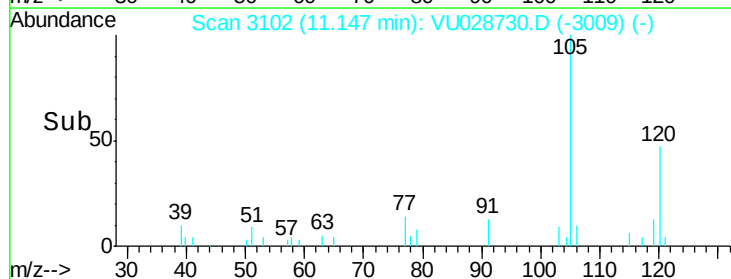
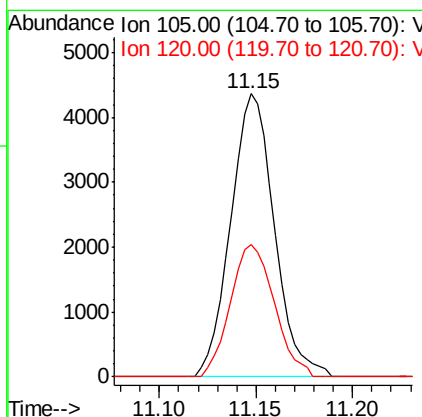
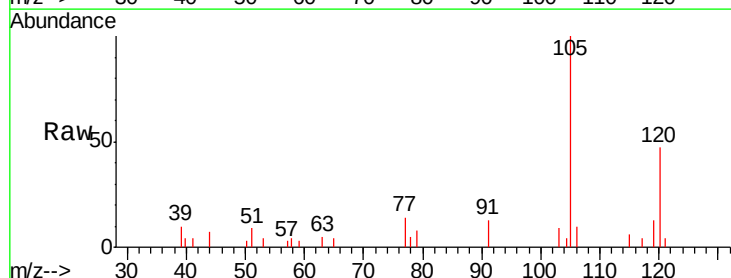
Instrument :
 MSVOA_U
 ClientSampleId :
 COMP-2

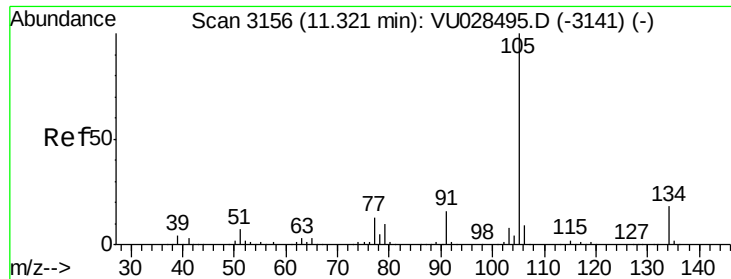
Tgt Ion:105 Resp: 1177
 Ion Ratio Lower Upper
 105 100
 120 43.9 23.7 71.1



#84
 1,2,4-Trimethylbenzene
 Concen: 1.819 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028730.D
 Acq: 17 Dec 2018 19:08

Tgt Ion:105 Resp: 6846
 Ion Ratio Lower Upper
 105 100
 120 47.0 21.8 65.4

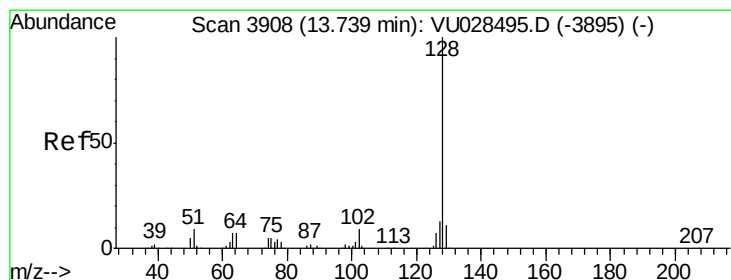
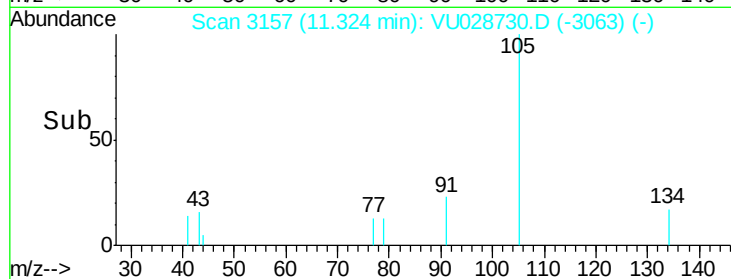
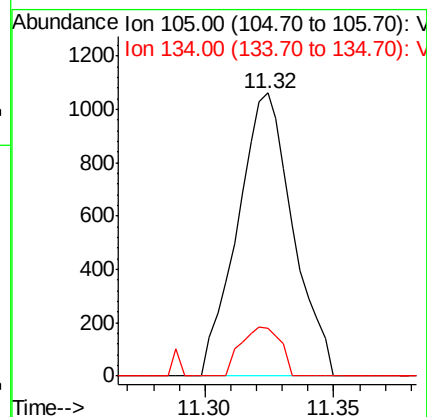
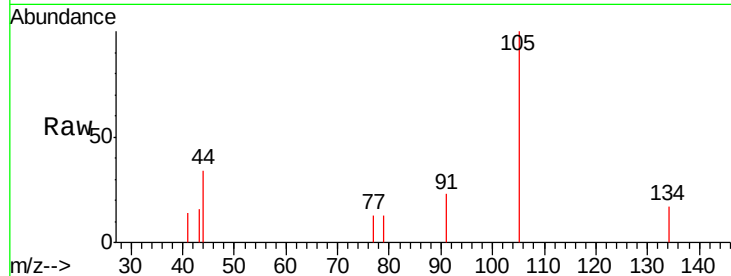




#85
 sec-Butylbenzene
 Concen: 0.352 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028730.D
 Acq: 17 Dec 2018 19:08

Instrument :
 MSVOA_U
 ClientSampled :
 COMP-2

Tgt Ion: 105 Resp: 1590
 Ion Ratio Lower Upper
 105 100
 134 12.4 9.2 27.6



#95
 Naphthalene
 Concen: 1.912 ug/l
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.01 min
 Lab File: VU028730.D
 Acq: 17 Dec 2018 19:08

Tgt Ion: 128 Resp: 8942
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.4 15.6
 129 10.7 8.6 13.0

