

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120318\
 Data File : VU028447.D
 Acq On : 03 Dec 2018 17:28
 Operator : MD/SY
 Sample : J5764-26
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 JC-02-113018-C

Quant Time: Dec 04 06:57:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	285630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	541718	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	509209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	241783	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	243594	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
35) Dibromofluoromethane	4.88	113	179610	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	7.57	98	710802	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	10.30	95	256457	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	2.82	59	957	0.882	ug/l #	72
13) Acrolein	2.18	56	900	0.933	ug/l #	1
14) Allyl chloride	2.70	41	63385	7.951	ug/l #	30
16) Acetone	2.32	43	18847	6.454	ug/l	97
18) Methyl Acetate	2.62	43	2888	0.355	ug/l #	85
20) Methylene Chloride	2.70	84	1170908	284.637	ug/l	95
25) 2-Butanone	4.29	43	2092	0.500	ug/l	92
28) Bromochloromethane	4.55	49	1363	0.352	ug/l #	92
31) Cyclohexane	4.99	56	12043	1.139	ug/l #	12
36) 1,1-Dichloropropene	4.98	75	26193	4.419	ug/l #	50
38) Carbon Tetrachloride	4.98	117	27773	5.705	ug/l #	16
39) Methylcyclohexane	6.42	83	4455	0.637	ug/l #	81
40) Benzene	5.39	78	17545	0.999	ug/l	93
43) Isopropyl Acetate	5.55	43	50227	3.924	ug/l	99
45) 1,2-Dichloropropane	6.71	63	1823	0.355	ug/l #	43
48) Methyl methacrylate	6.70	41	165808	24.865	ug/l #	47
49) 1,4-Dioxane	6.70	88	103	0.967	ug/l #	1
51) 4-Methyl-2-Pentanone	7.42	43	122710	15.008	ug/l #	49
52) Toluene	7.64	92	334744	33.109	ug/l	98
53) t-1,3-Dichloropropene	7.64	75	4008	0.571	ug/l #	1
54) cis-1,3-Dichloropropene	7.42	75	51910	6.898	ug/l #	59
57) 1,3-Dichloropropane	8.41	76	12959	1.679	ug/l #	44
59) 2-Hexanone	8.41	43	198000	31.264	ug/l #	53
67) Ethyl Benzene	9.25	91	249180	12.513	ug/l	98
68) m/p-Xylenes	9.37	106	373219	52.069	ug/l	98
69) o-Xylene	9.78	106	138846	19.486	ug/l	99
70) Styrene	9.78	104	7393	0.643	ug/l #	1
73) Isopropylbenzene	10.16	105	19481	1.036	ug/l	99
76) 1,2,3-Trichloropropane	10.30	75	135538	20.215	ug/l #	31
78) n-propylbenzene	10.58	91	105528	4.549	ug/l	99
79) 2-Chlorotoluene	10.68	91	57314	4.191	ug/l #	44
80) 1,3,5-Trimethylbenzene	10.77	105	149474	9.432	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.30	75	135538	53.660	ug/l #	100
82) 4-Chlorotoluene	10.77	91	16767	1.064	ug/l #	47

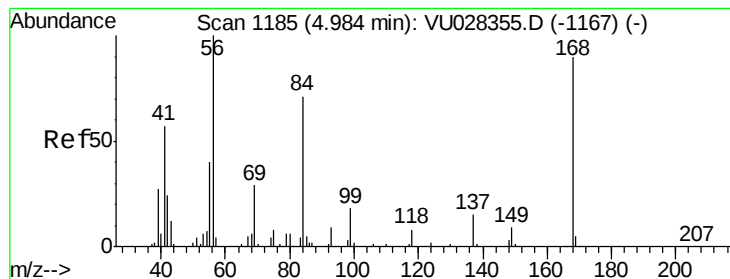
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120318\
Data File : VU028447.D
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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	11.15	119	65083	4.406	ug/l #	61
84) 1,2,4-Trimethylbenzene	11.15	105	551828	34.380	ug/l	99
85) sec-Butylbenzene	11.15	105	551828	28.761	ug/l #	59
86) p-Isopropyltoluene	11.42	119	7493	0.475	ug/l	95
89) n-Butylbenzene	11.88	91	18668	1.199	ug/l #	22
90) Hexachloroethane	12.15	117	2901	1.178	ug/l #	12
95) Naphthalene	13.74	128	152655	9.912	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

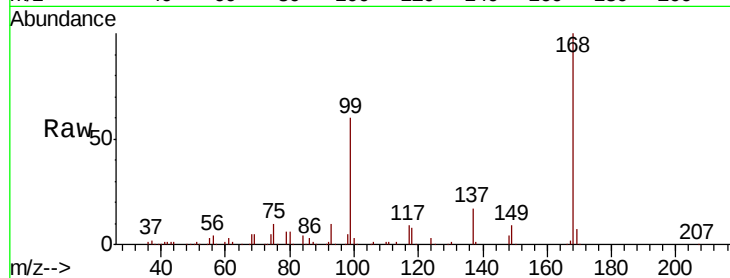
JC-02-113018-C

Tot Ion:168 Resp: 285630

Ion Ratio Lower Upper

168 100

99 60.0 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

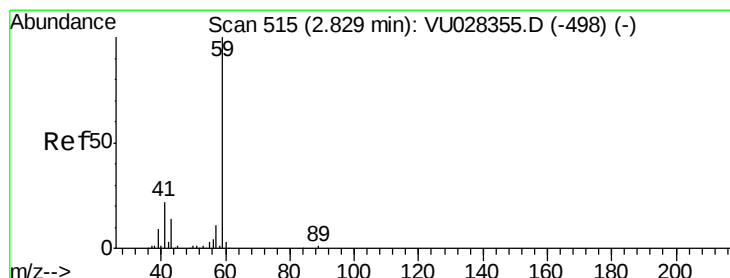
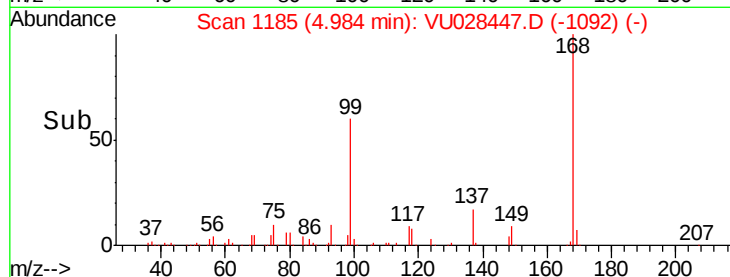
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.882 ug/l

RT: 2.82 min Scan# 513

Delta R.T. -0.01 min

Lab File: VU028447.D

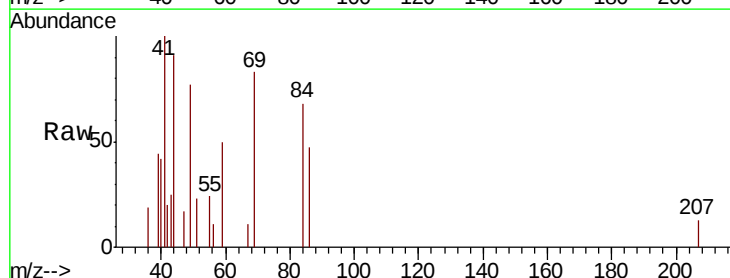
Acq: 03 Dec 2018 17:28

Tgt Ion: 59 Resp: 957

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU028355.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028355.D (-498) (-)

2.82

600

500

400

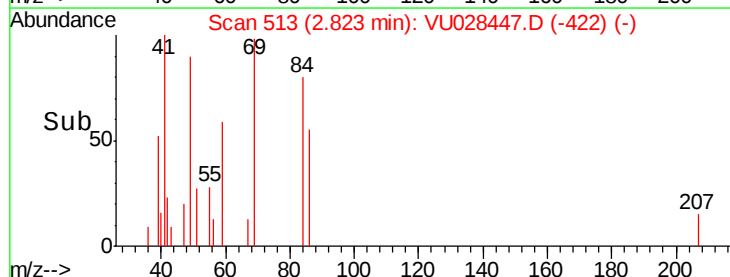
300

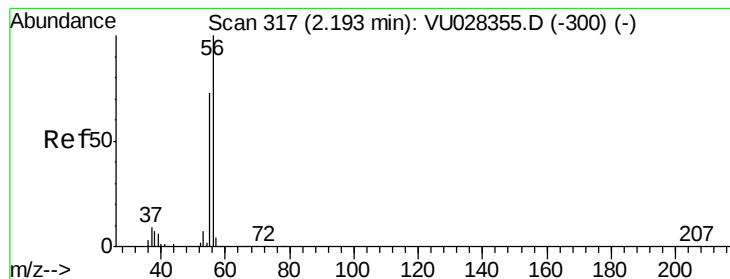
200

100

0

Time-->





#13

Acrolein

Concen: 0.933 ug/l

RT: 2.18 min Scan# 313

Delta R.T. -0.01 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

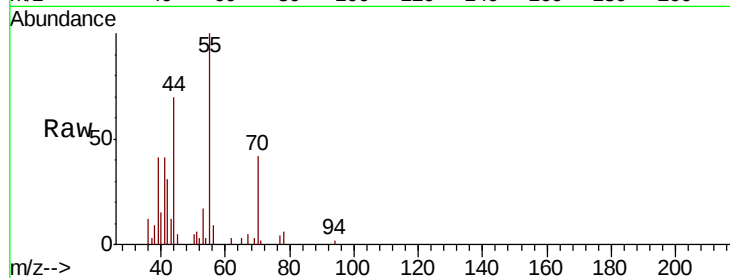
JC-02-113018-C

Tot Ion: 56 Resp: 900

Ion Ratio Lower Upper

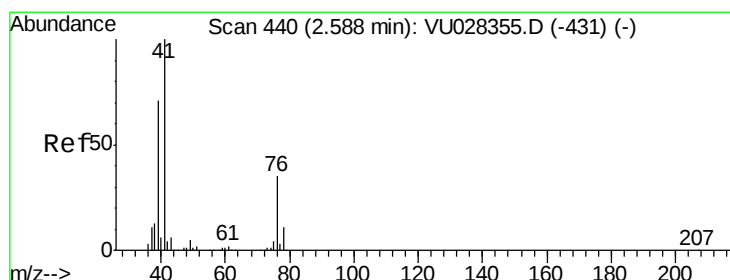
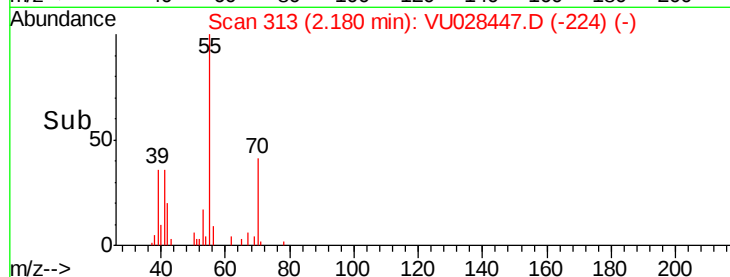
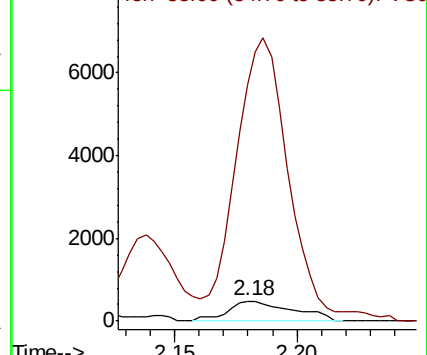
56 100

55 1052.1 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 7.951 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.12 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

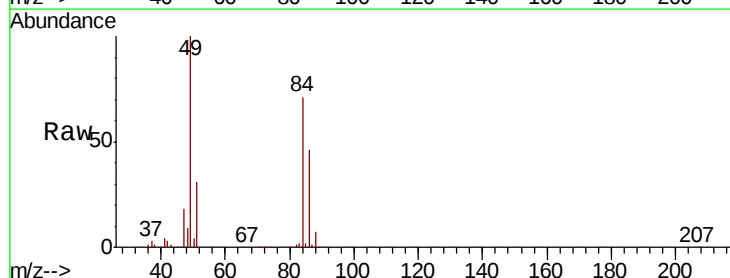
Tgt Ion: 41 Resp: 63385

Ion Ratio Lower Upper

41 100

39 4.5 51.6 77.4#

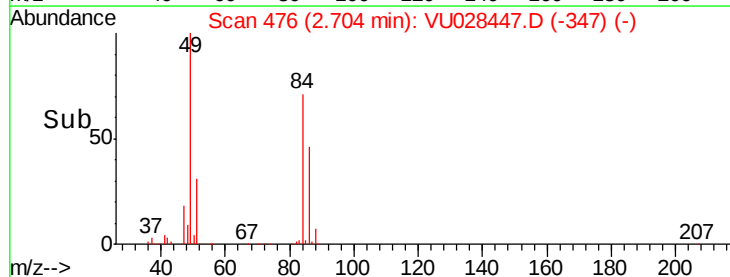
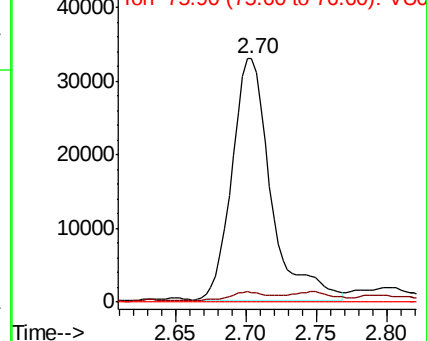
76 0.0 24.4 36.6#

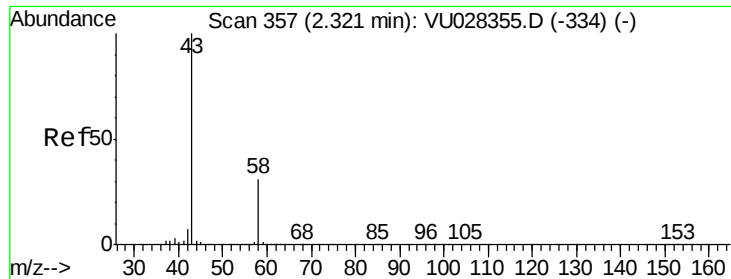


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#16

Acetone

Concen: 6.454 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

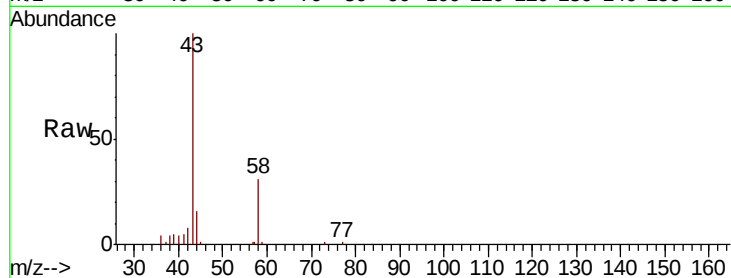
JC-02-113018-C

Tot Ion: 43 Resp: 18847

Ion Ratio Lower Upper

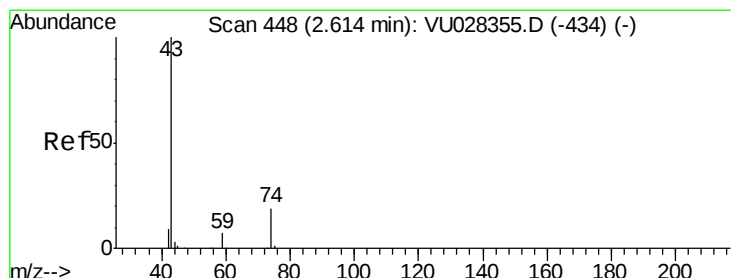
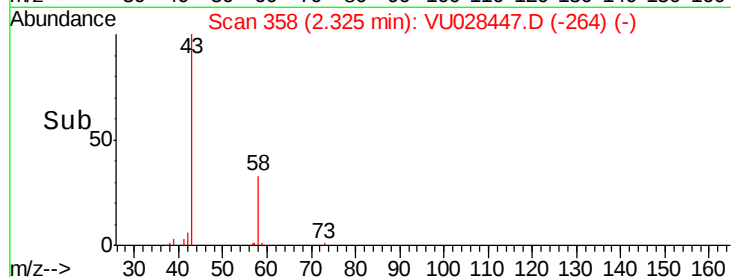
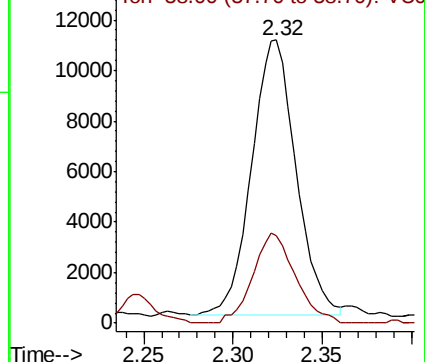
43 100

58 32.0 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.355 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028447.D

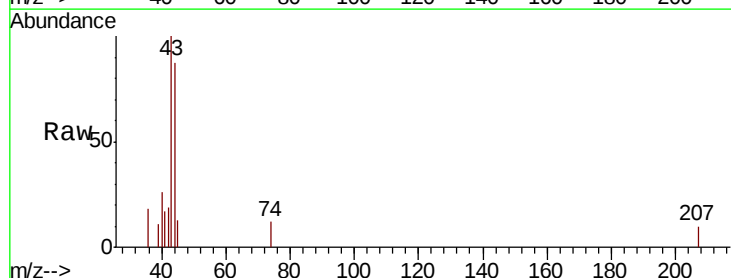
Acq: 03 Dec 2018 17:28

Tgt Ion: 43 Resp: 2888

Ion Ratio Lower Upper

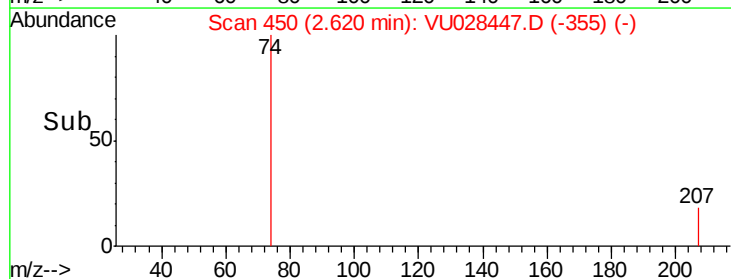
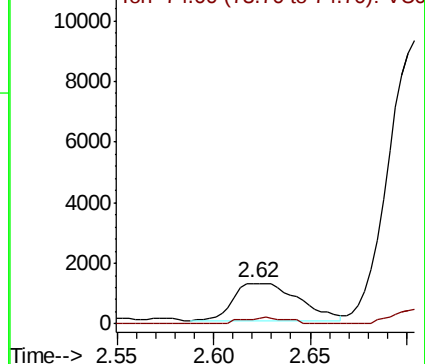
43 100

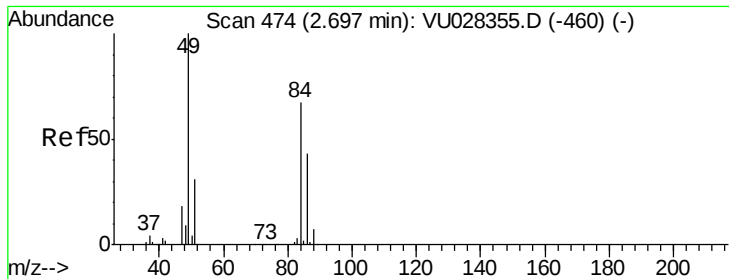
74 12.1 15.3 22.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



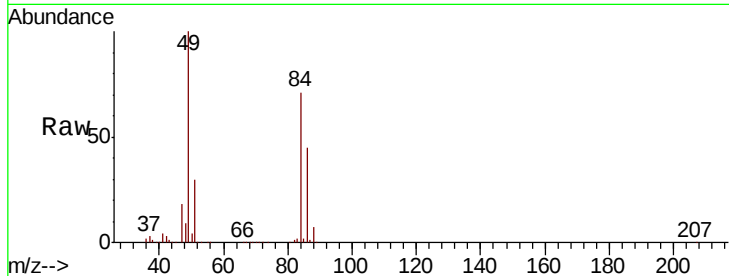


#20
Methvlene Chloride
Concen: 284.637 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
JC-02-113018-C

Tot Ion: 84 Resp: 1170908

Ion	Ratio	Lower	Upper
84	100		
49	140.7	120.0	180.0
51	42.7	36.9	55.3
86	63.2	51.1	76.7



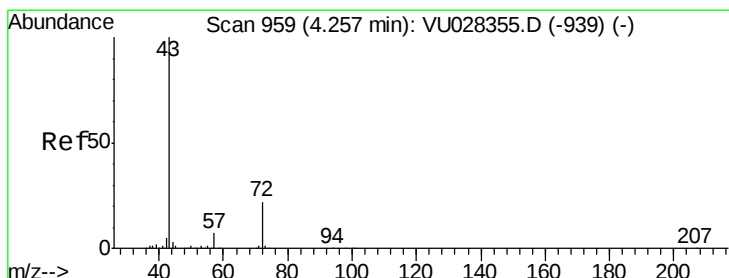
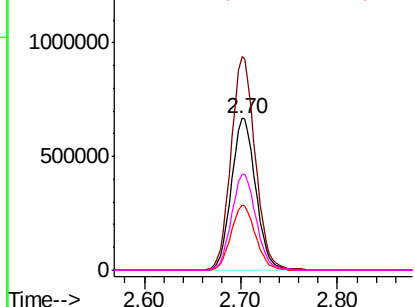
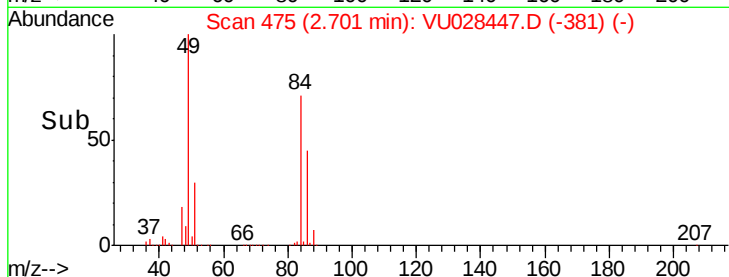
Abundance

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

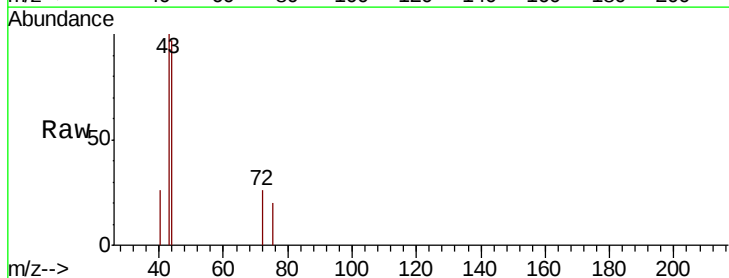
Ion 85.90 (85.60 to 86.60): VU0



#25
2-Butanone
Concen: 0.500 ug/l
RT: 4.29 min Scan# 970
Delta R.T. 0.04 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

Tgt Ion: 43 Resp: 2092

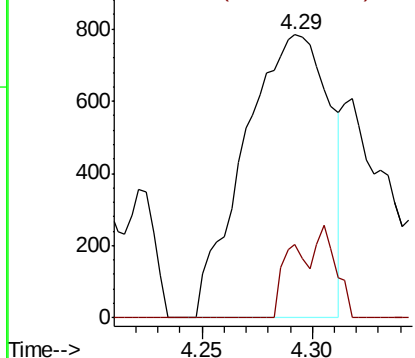
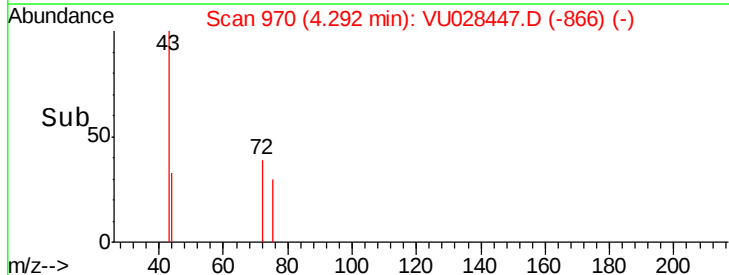
Ion	Ratio	Lower	Upper
43	100		
72	25.9	17.7	26.5

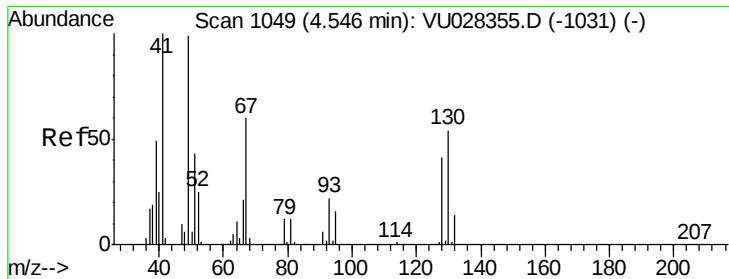


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#28

Bromochloromethane

Concen: 0.352 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

JC-02-113018-C

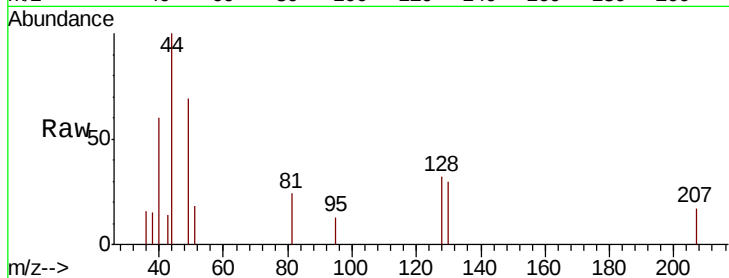
Tot Ion: 49 Resp: 1363

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.6

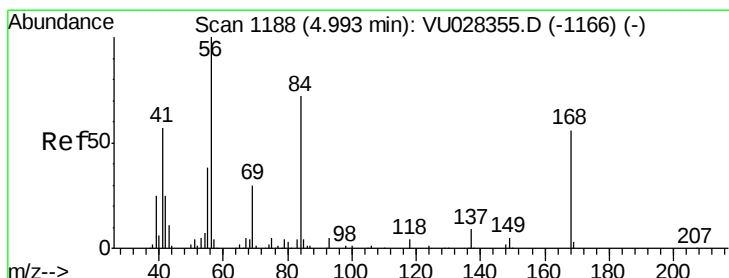
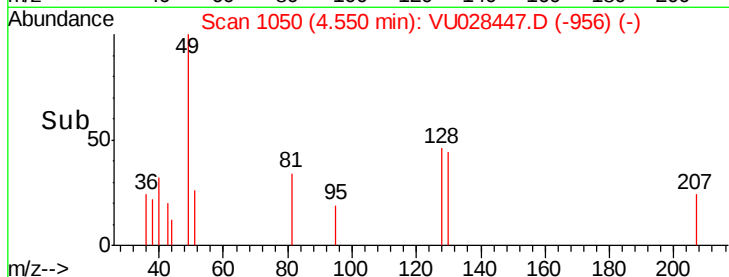
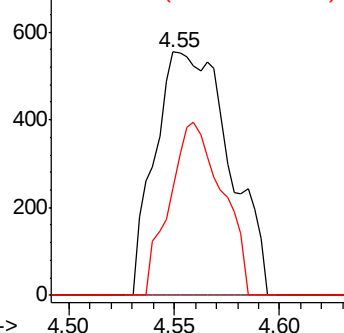
130 50.0 44.5 66.7



Abundance Ion 48.90 (48.60 to 49.60): VU028355.D (-1031) (-)

Ion 128.80 (128.50 to 129.50): VU028355.D (-1031) (-)

Ion 129.80 (129.50 to 130.50): VU028355.D (-1031) (-)



#31

Cyclohexane

Concen: 1.139 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

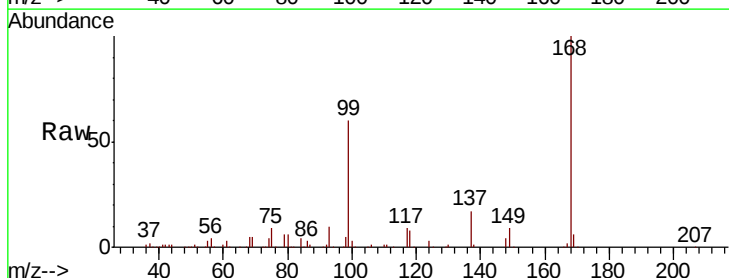
Tgt Ion: 56 Resp: 12043

Ion Ratio Lower Upper

56 100

69 126.5 23.7 35.5#

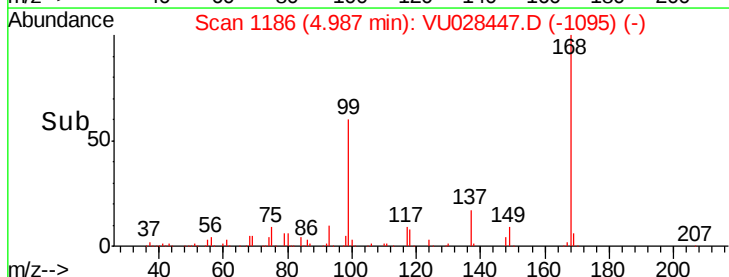
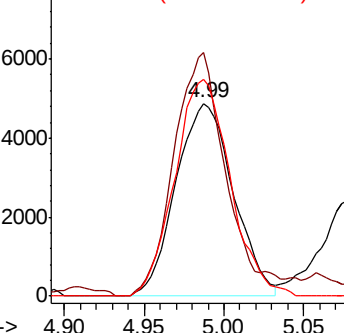
84 112.6 57.3 85.9#

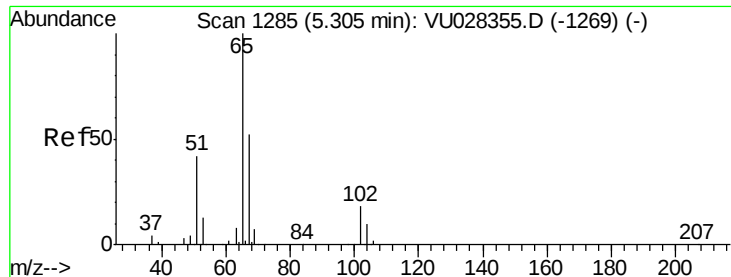


Abundance Ion 56.00 (55.70 to 56.70): VU028355.D (-1166) (-)

Ion 69.00 (68.70 to 69.70): VU028355.D (-1166) (-)

Ion 84.00 (83.70 to 84.70): VU028355.D (-1166) (-)

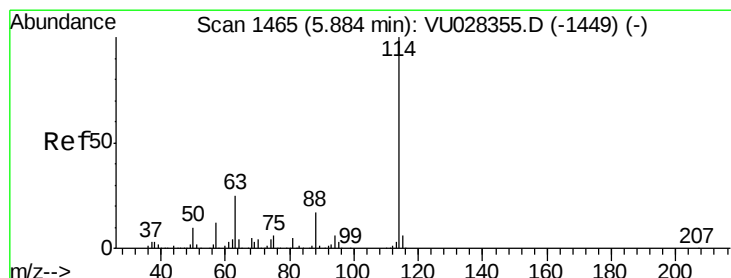
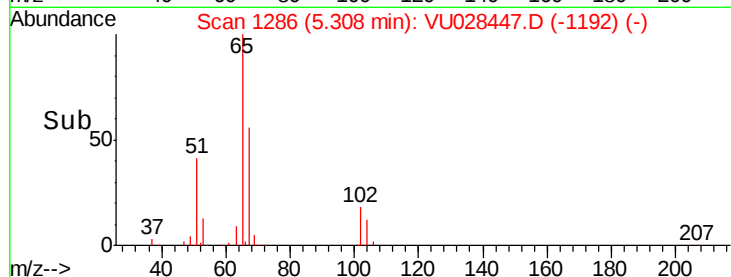
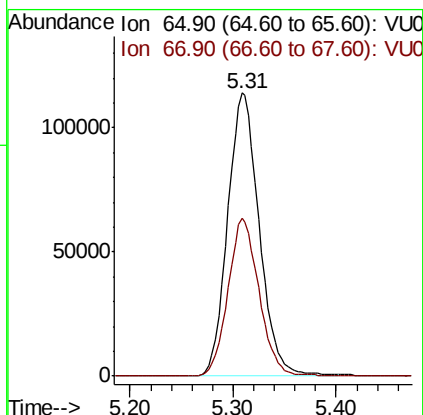
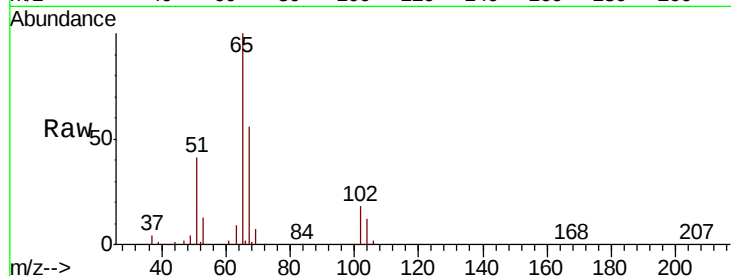




#33
 1,2-Dichloroethane-d4
 Concen: 51.030 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028447.D
 Acq: 03 Dec 2018 17:28

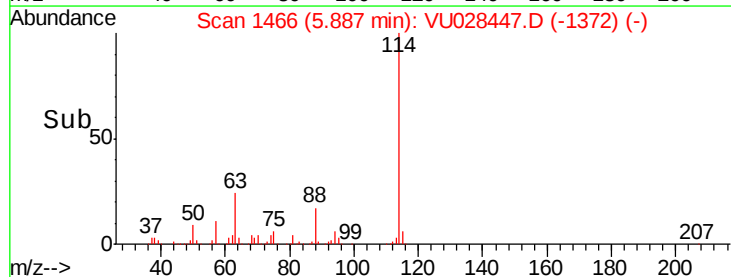
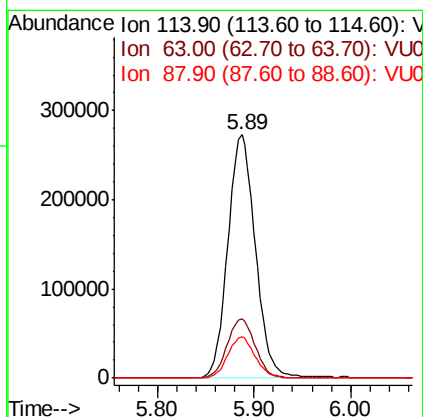
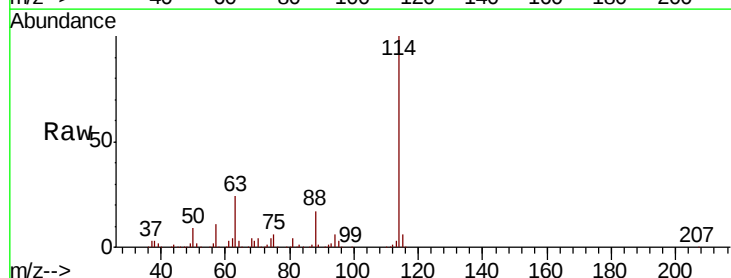
Instrument :
 MSVOA_U
 ClientSampleId :
 JC-02-113018-C

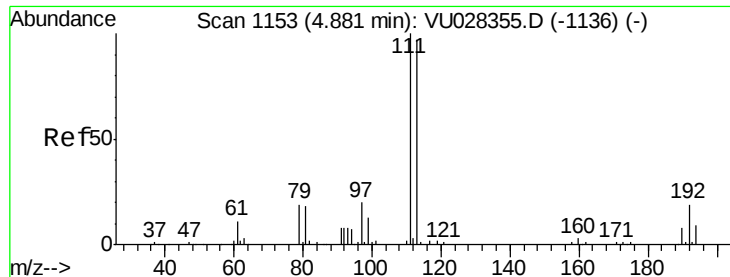
Tot Ion: 65 Resp: 243594
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028447.D
 Acq: 03 Dec 2018 17:28

Tgt Ion: 114 Resp: 541718
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 50.0
 88 17.1 0.0 34.4





#35

Dibromofluoromethane

Concen: 49.861 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

JC-02-113018-C

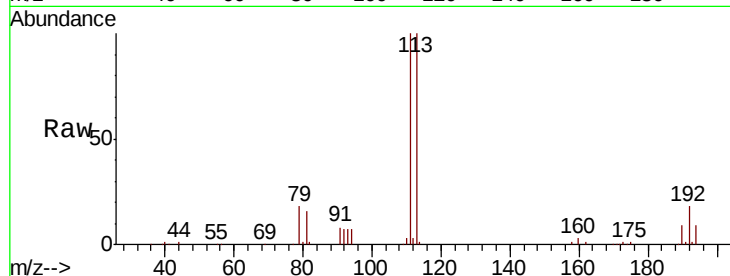
Tot Ion:113 Resp: 179610

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

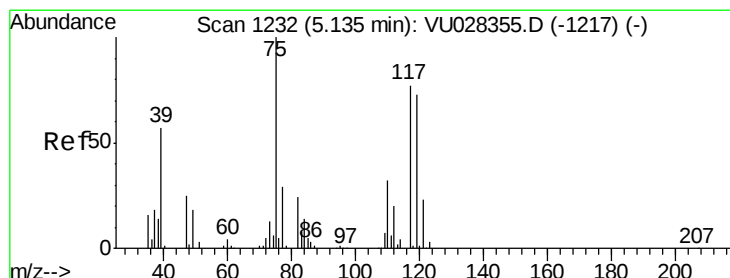
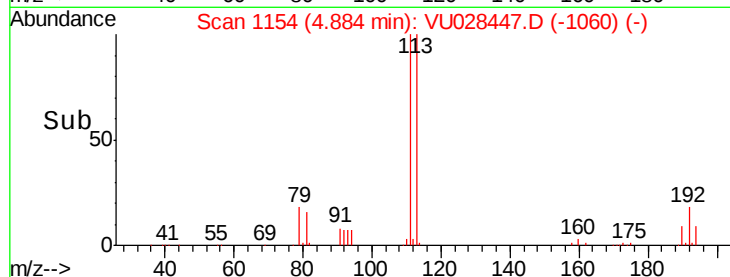
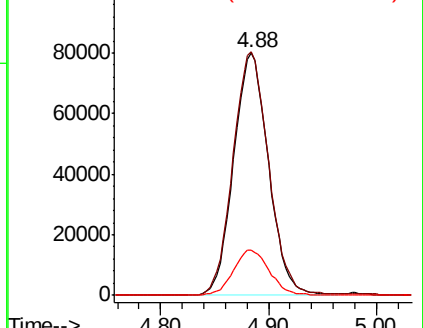
192 19.2 15.4 23.0



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: 4.419 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

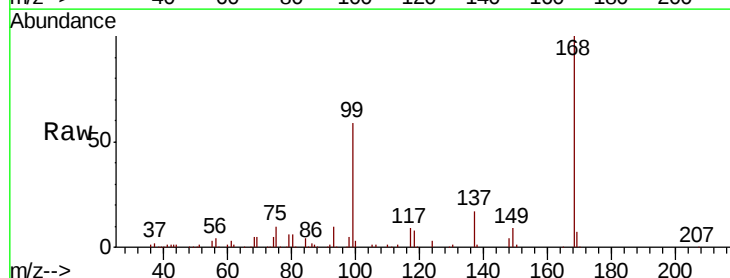
Tgt Ion: 75 Resp: 26193

Ion Ratio Lower Upper

75 100

110 7.3 15.8 47.4#

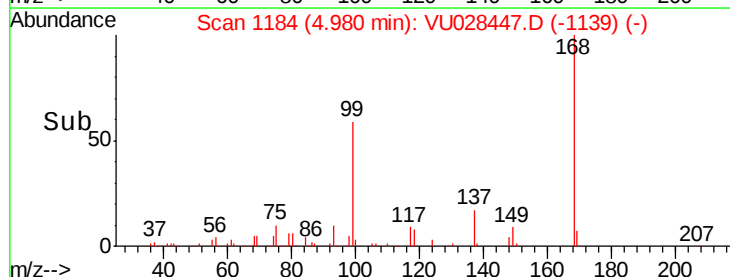
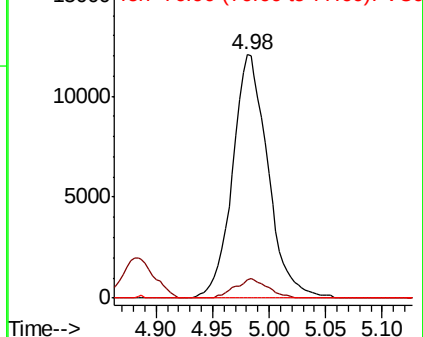
77 0.0 24.6 36.8#

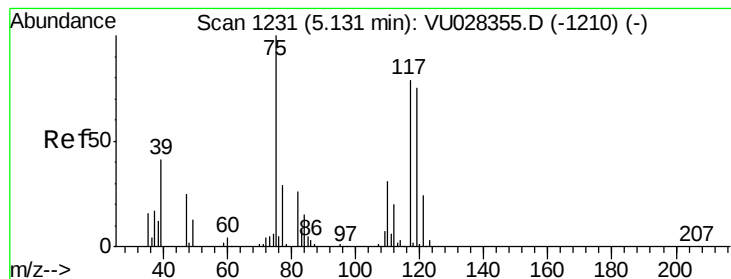


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.705 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

JC-02-113018-C

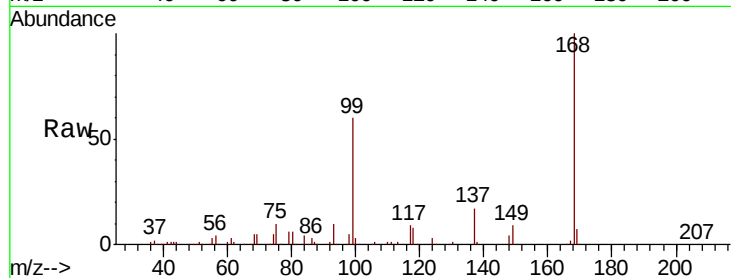
Tot Ion:117 Resp: 27773

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

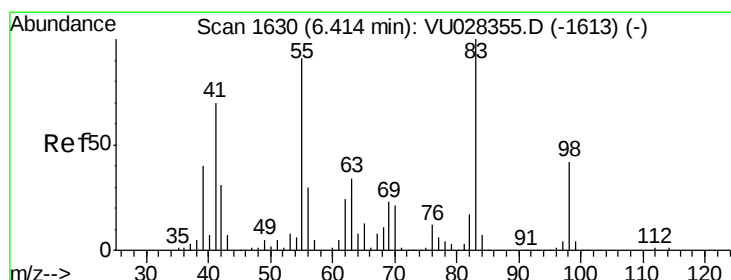
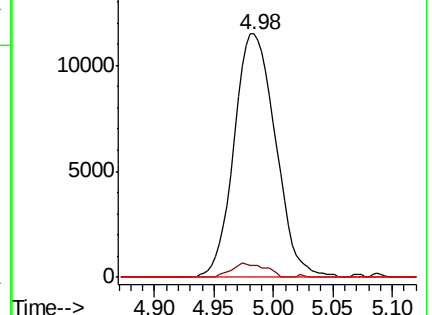
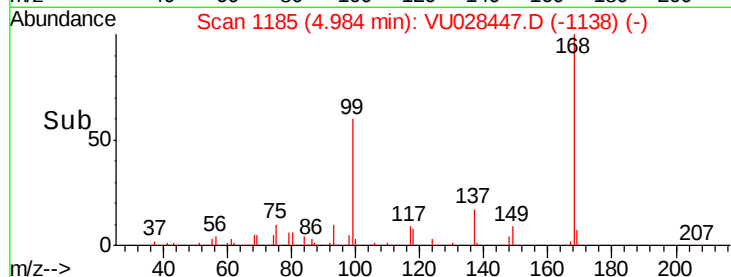
121 0.0 24.7 37.1#



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: 0.637 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

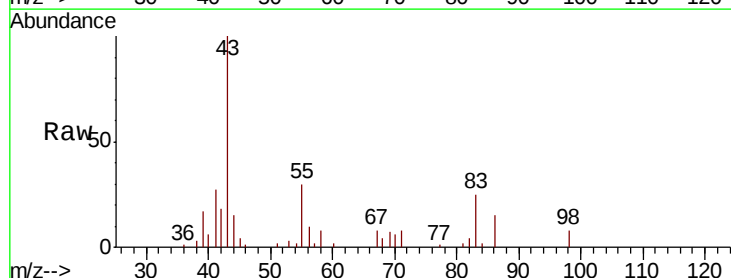
Tgt Ion: 83 Resp: 4455

Ion Ratio Lower Upper

83 100

55 110.6 73.1 109.7#

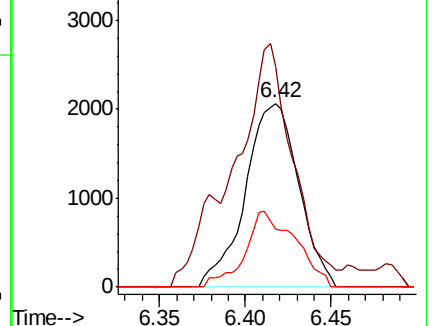
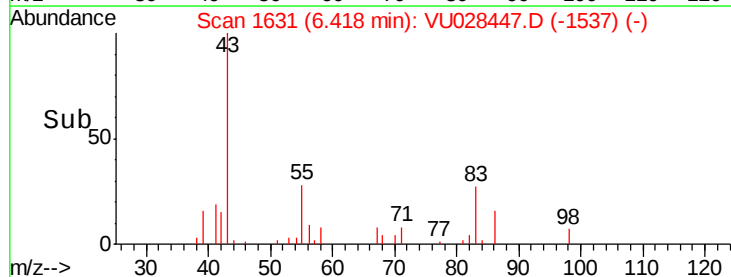
98 31.6 33.9 50.9#

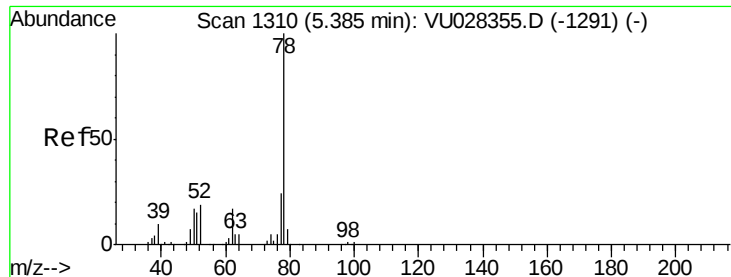


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 0.999 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

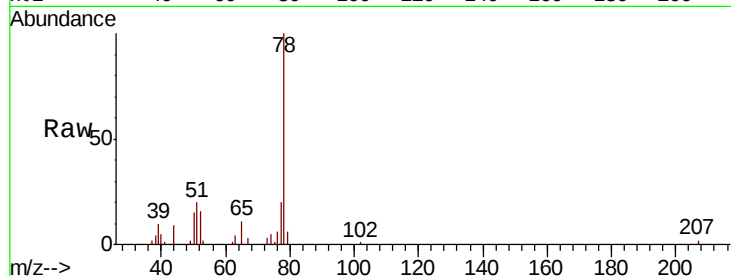
JC-02-113018-C

Tot Ion: 78 Resp: 17545

Ion Ratio Lower Upper

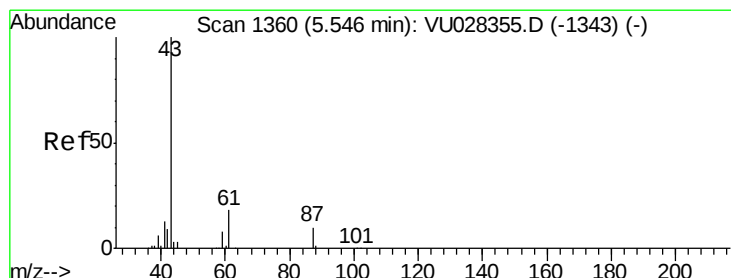
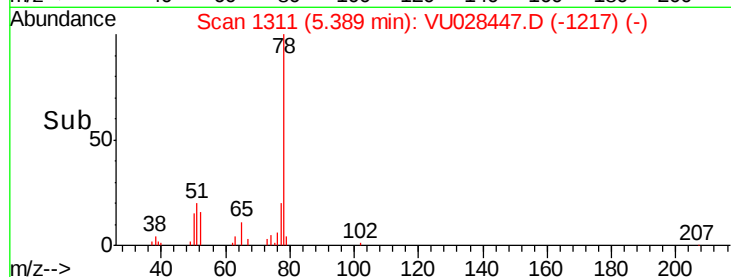
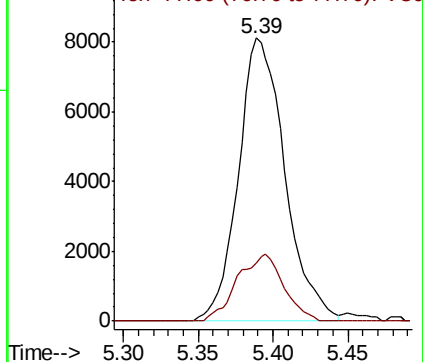
78 100

77 20.3 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#43

Isopropyl Acetate

Concen: 3.924 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

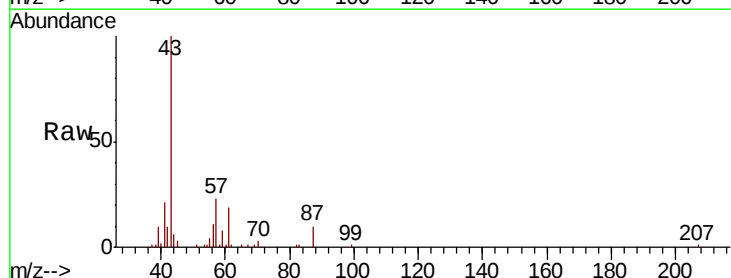
Tgt Ion: 43 Resp: 50227

Ion Ratio Lower Upper

43 100

61 18.1 14.5 21.7

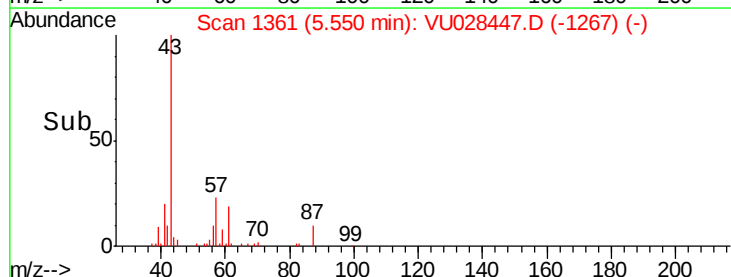
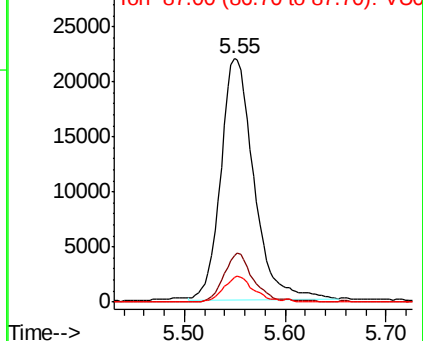
87 9.7 8.4 12.6

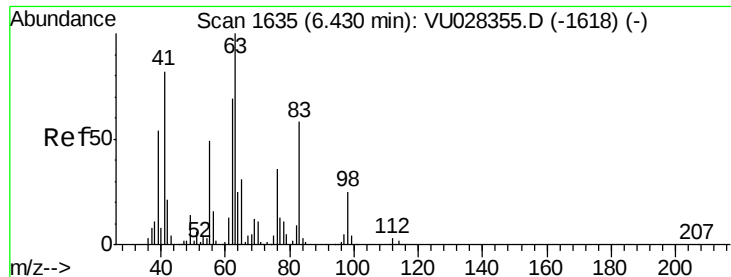


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#45

1,2-Dichloropropane

Concen: 0.355 ug/l

RT: 6.71 min Scan# 1721

Delta R.T. 0.28 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

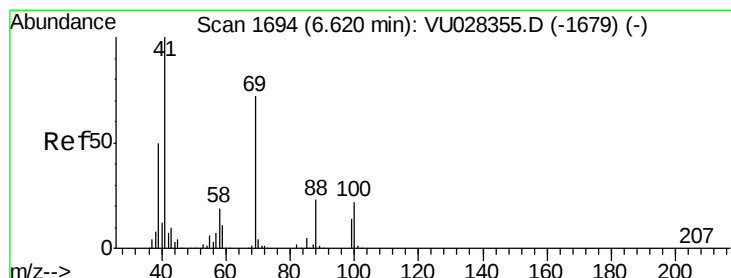
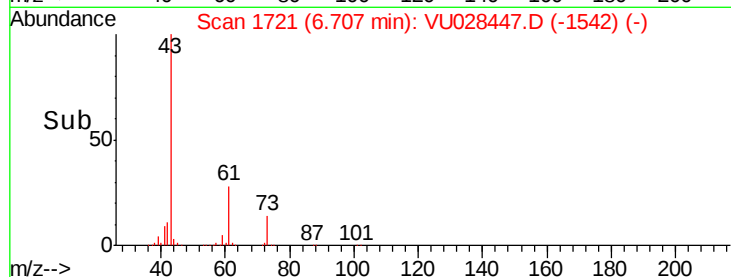
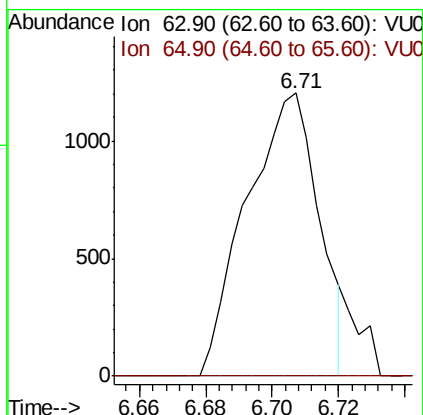
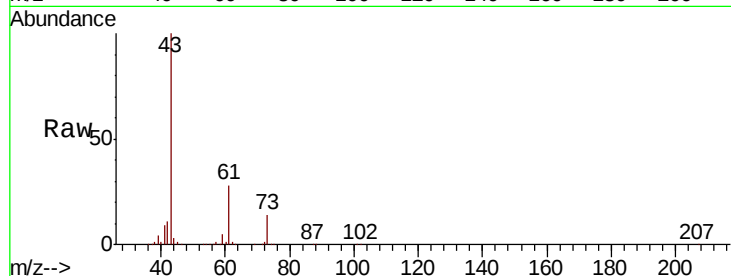
JC-02-113018-C

Tot Ion: 63 Resp: 1823

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 24.865 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.08 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

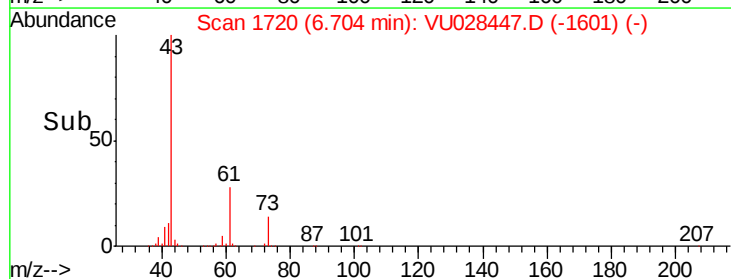
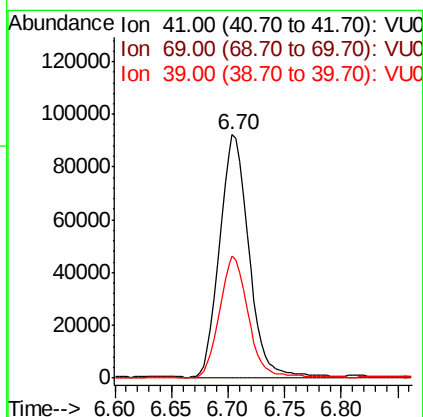
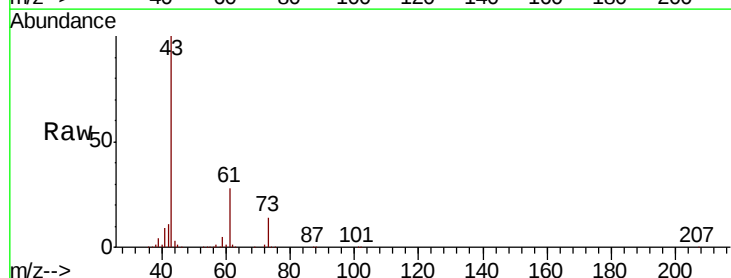
Tgt Ion: 41 Resp: 165808

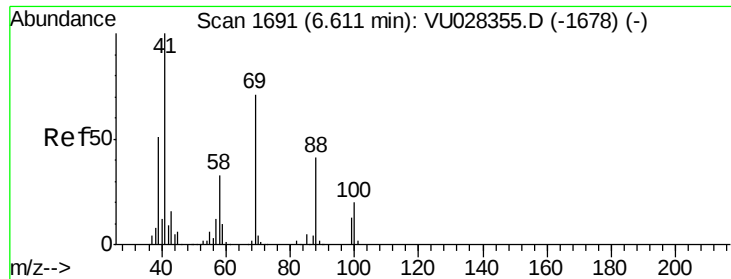
Ion Ratio Lower Upper

41 100

69 0.2 59.0 88.4#

39 49.1 40.5 60.7





#49

1,4-Dioxane

Concen: 0.967 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.09 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

JC-02-113018-C

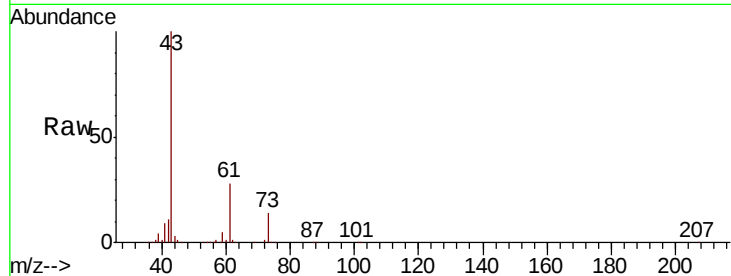
Tot Ion: 88 Resp: 103

Ion Ratio Lower Upper

88 100

43 1822730.1 32.6 48.8#

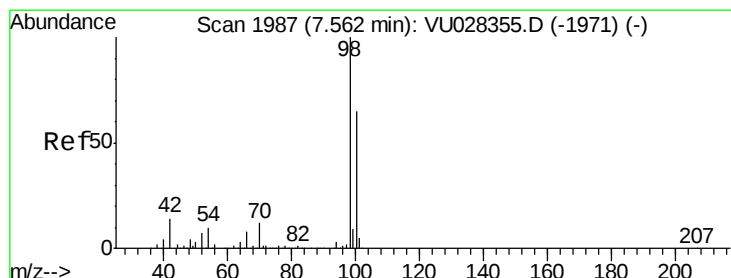
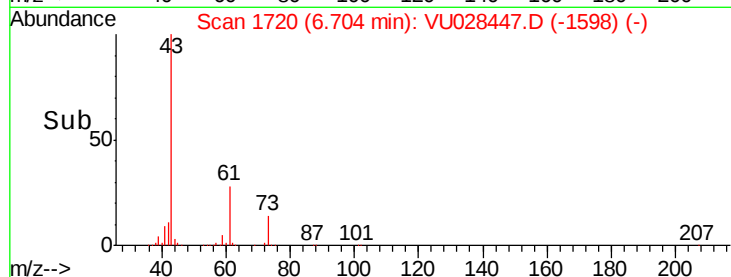
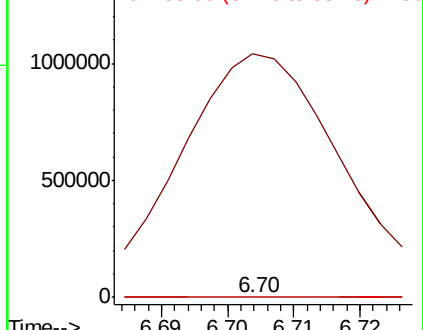
58 6791.3 68.7 103.1#



Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#50

Toluene-d8

Concen: 49.340 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028447.D

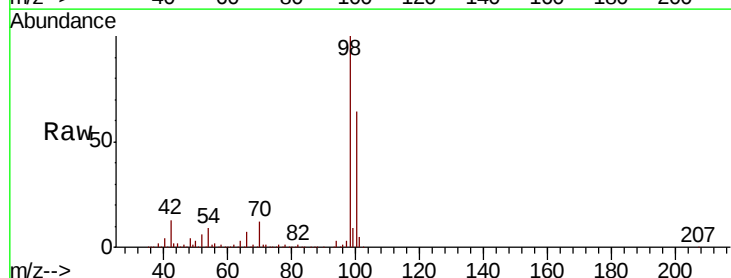
Acq: 03 Dec 2018 17:28

Tgt Ion: 98 Resp: 710802

Ion Ratio Lower Upper

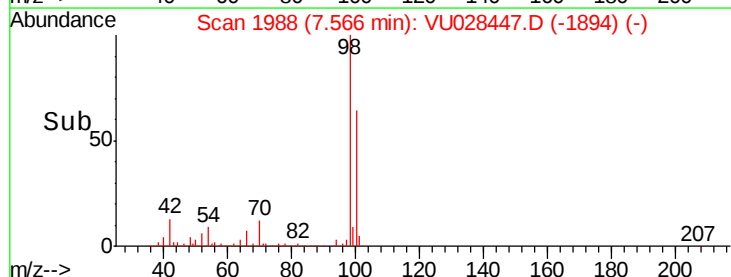
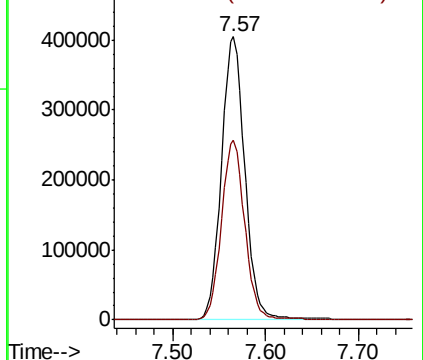
98 100

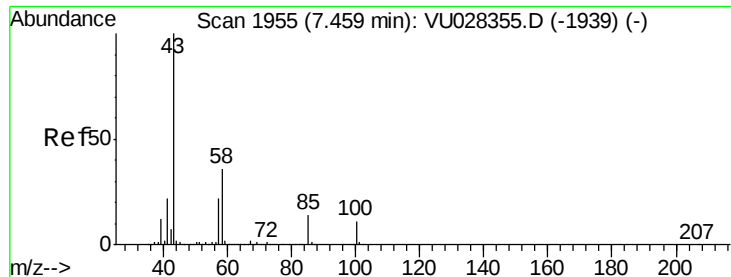
100 63.5 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 15.008 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. -0.04 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

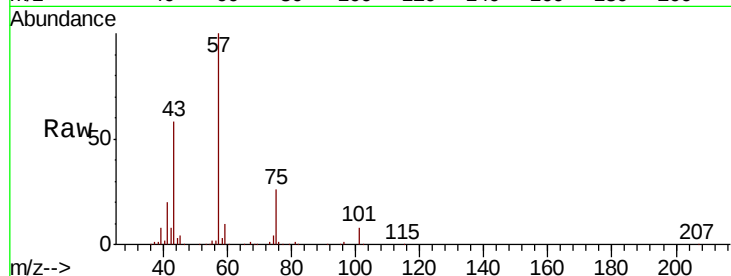
JC-02-113018-C

Tot Ion: 43 Resp: 122710

Ion Ratio Lower Upper

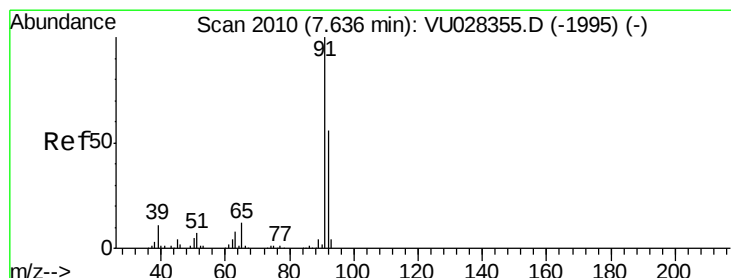
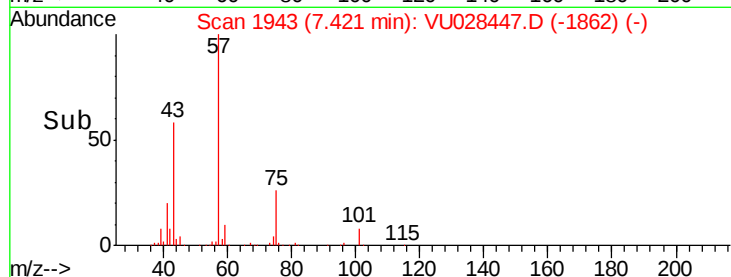
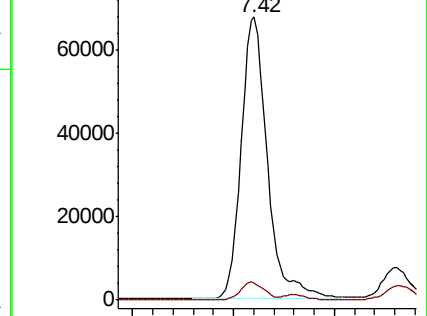
43 100

58 5.8 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 33.109 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028447.D

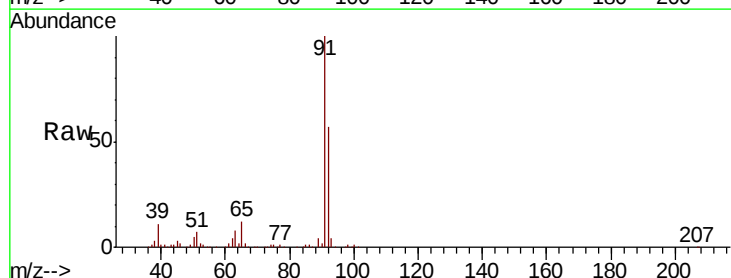
Acq: 03 Dec 2018 17:28

Tgt Ion: 92 Resp: 334744

Ion Ratio Lower Upper

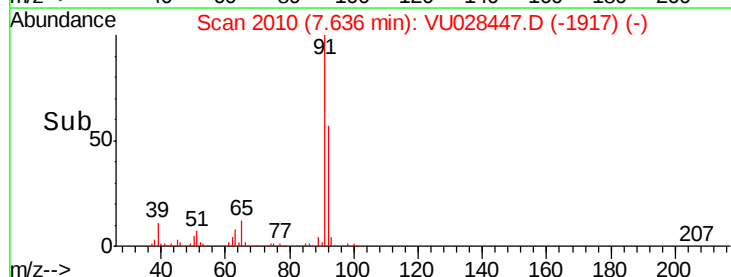
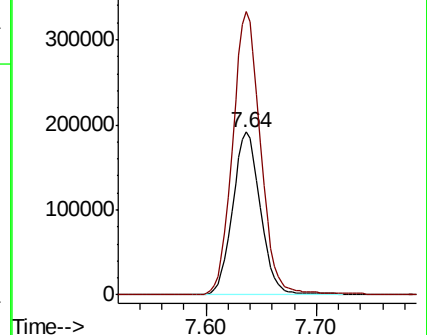
92 100

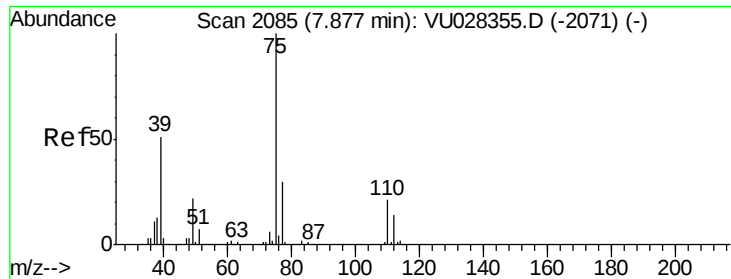
91 174.3 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 0.571 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.24 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

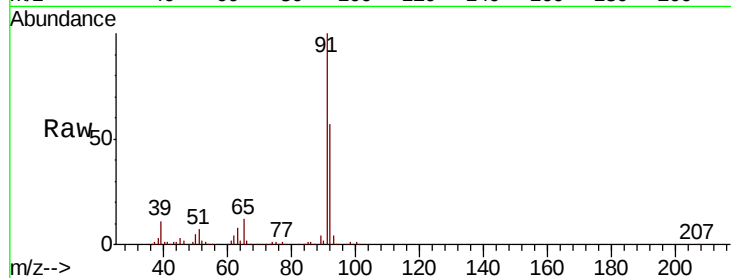
JC-02-113018-C

Tot Ion: 75 Resp: 4008

Ion Ratio Lower Upper

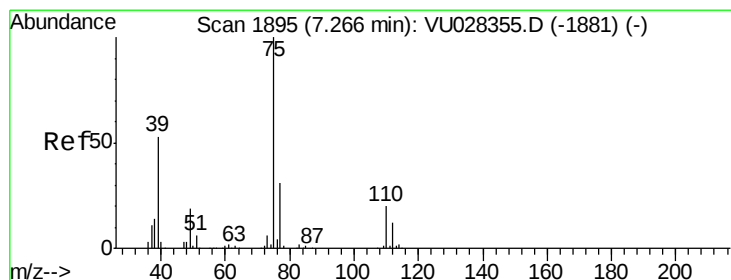
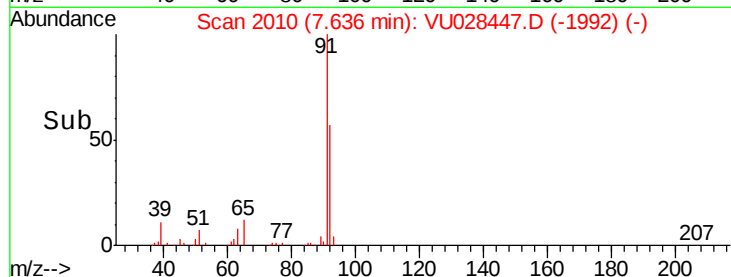
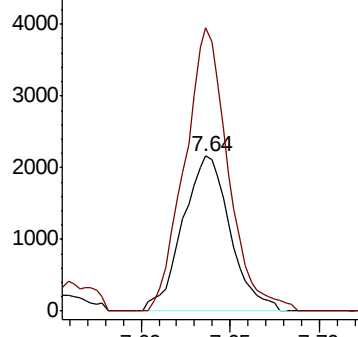
75 100

77 182.7 24.1 36.1#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 6.898 ug/l

RT: 7.42 min Scan# 1942

Delta R.T. 0.15 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

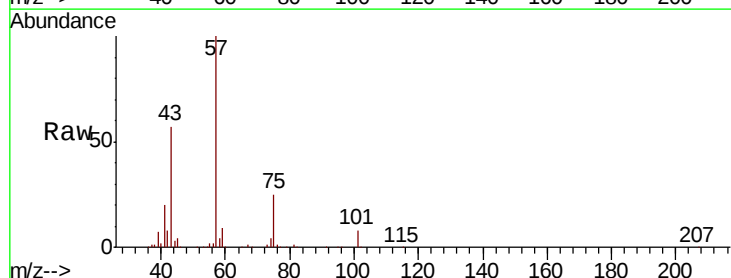
Tgt Ion: 75 Resp: 51910

Ion Ratio Lower Upper

75 100

77 1.5 24.9 37.3#

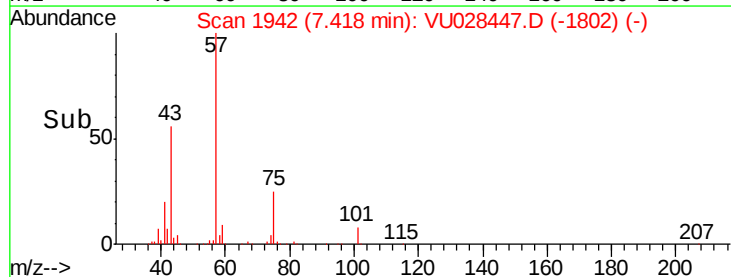
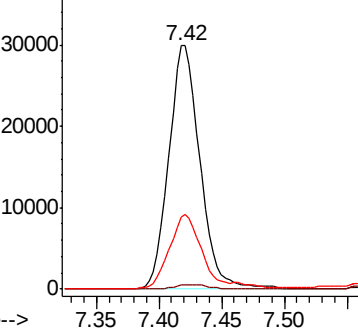
39 29.4 42.6 64.0#

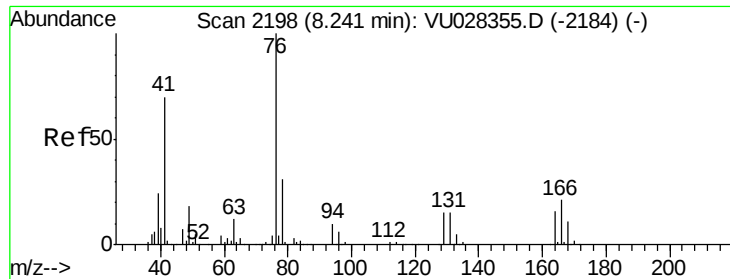


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 1.679 ug/l

RT: 8.41 min Scan# 2252

Delta R.T. 0.17 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

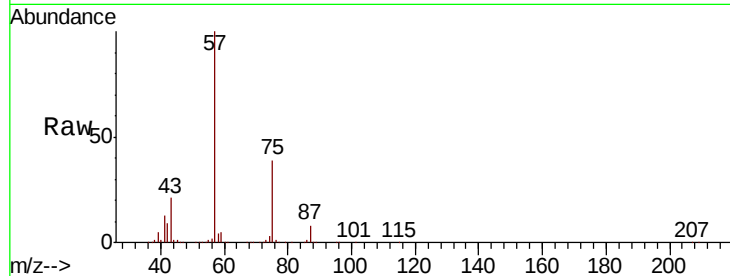
JC-02-113018-C

Tot Ion: 76 Resp: 12959

Ion Ratio Lower Upper

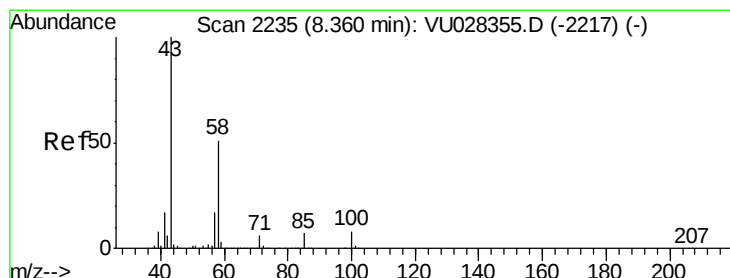
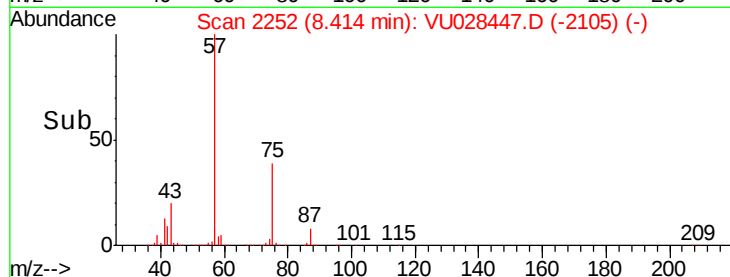
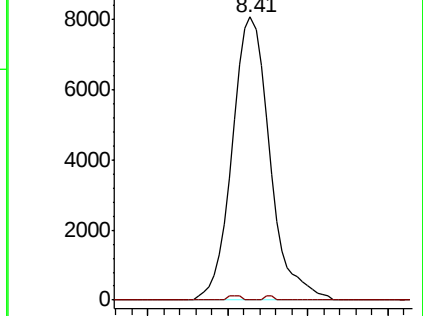
76 100

78 0.5 25.4 38.0#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#59

2-Hexanone

Concen: 31.264 ug/l

RT: 8.41 min Scan# 2252

Delta R.T. 0.05 min

Lab File: VU028447.D

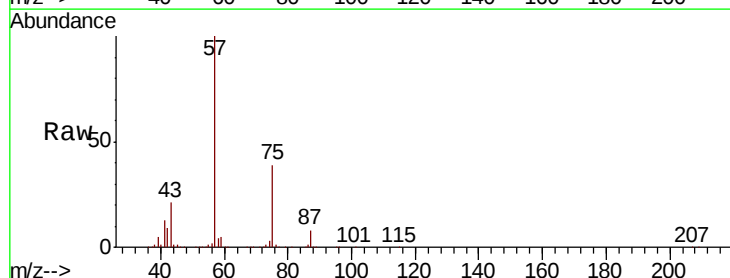
Acq: 03 Dec 2018 17:28

Tgt Ion: 43 Resp: 198000

Ion Ratio Lower Upper

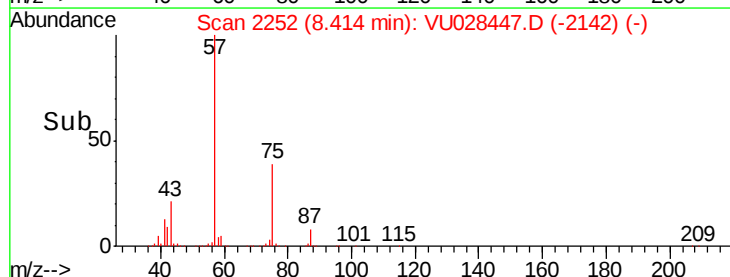
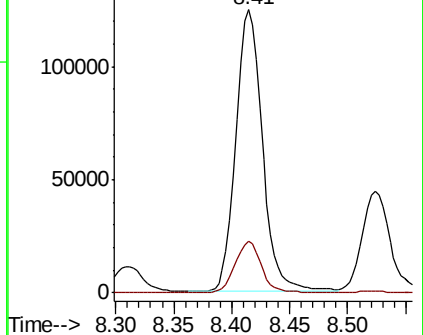
43 100

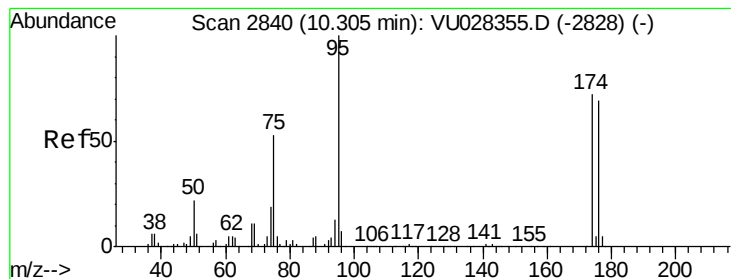
58 18.2 25.5 76.5#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#62

4-Bromofluorobenzene

Concen: 49.391 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

JC-02-113018-C

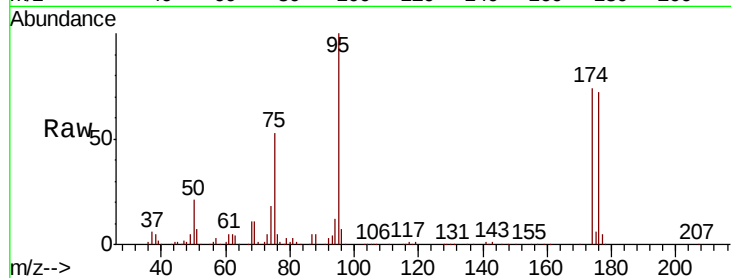
Tot Ion: 95 Resp: 256457

Ion Ratio Lower Upper

95 100

174 74.9 0.0 145.4

176 72.4 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU028355.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028355.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028355.D (-2828) (-)

10.30

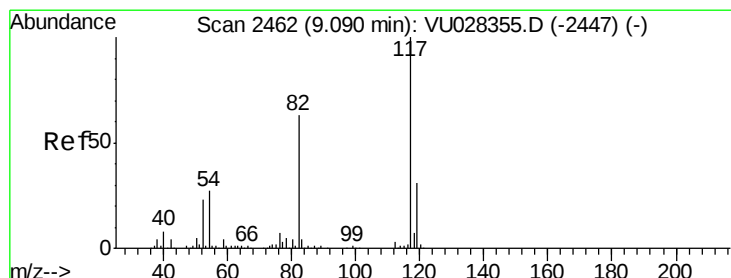
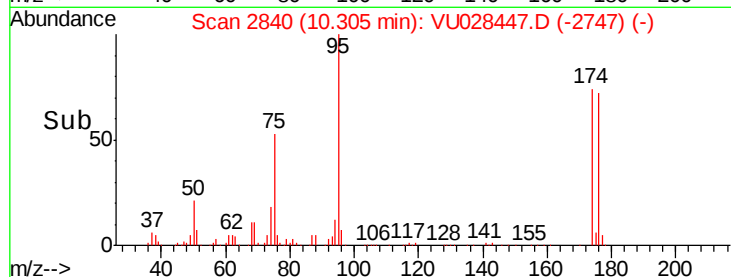
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

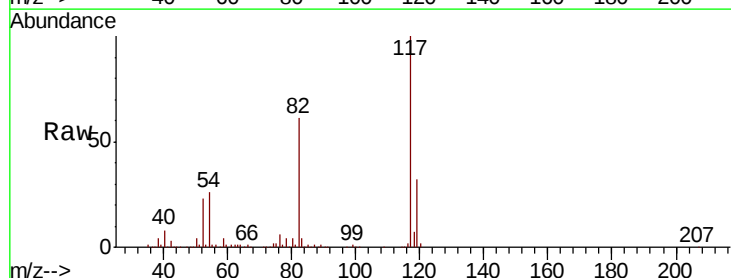
Tgt Ion: 117 Resp: 509209

Ion Ratio Lower Upper

117 100

82 61.3 50.3 75.5

119 32.2 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): VU028355.D (-2447) (-)

Ion 82.00 (81.70 to 82.70): VU028355.D (-2447) (-)

Ion 118.90 (118.60 to 119.60): VU028355.D (-2447) (-)

9.09

400000

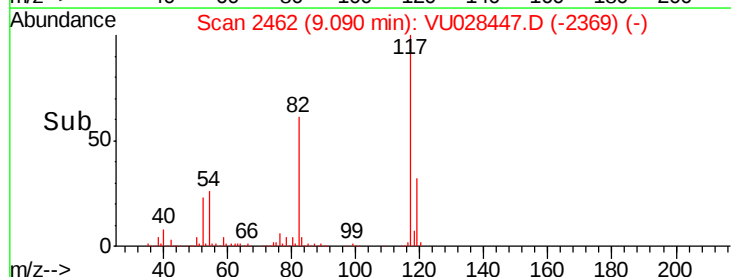
300000

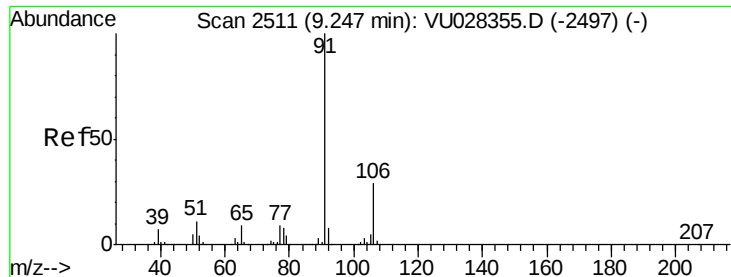
200000

100000

0

Time--> 9.00 9.10 9.20

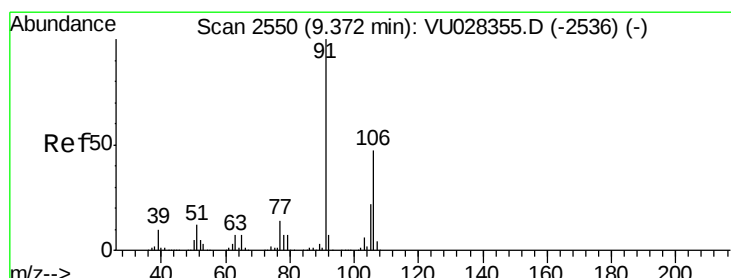
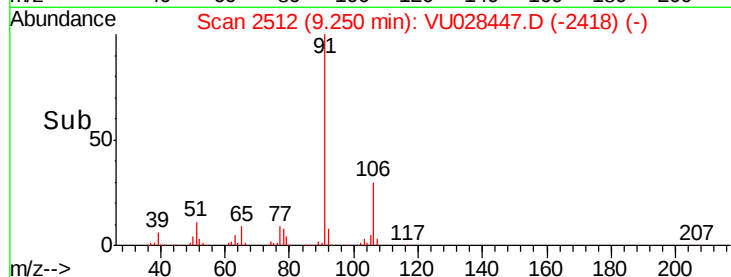
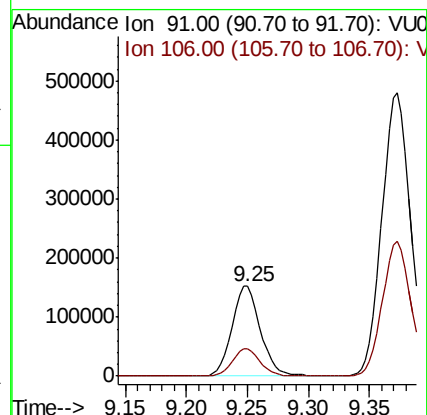
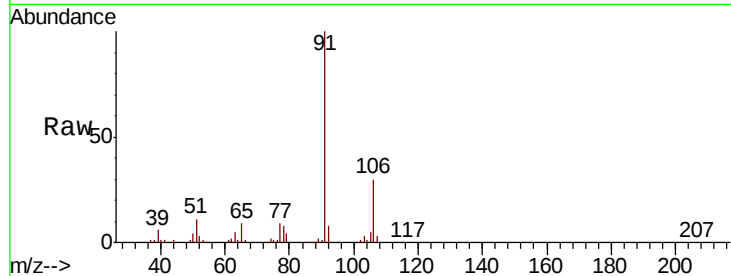




#67
Ethyl Benzene
Concen: 12.513 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

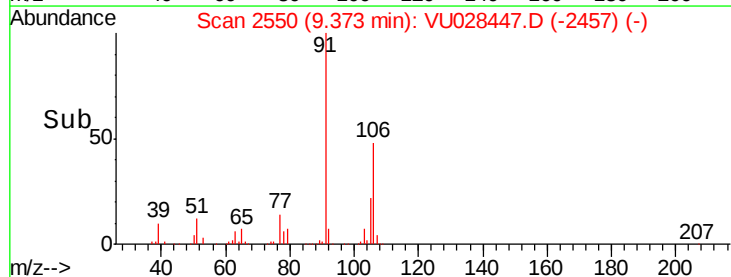
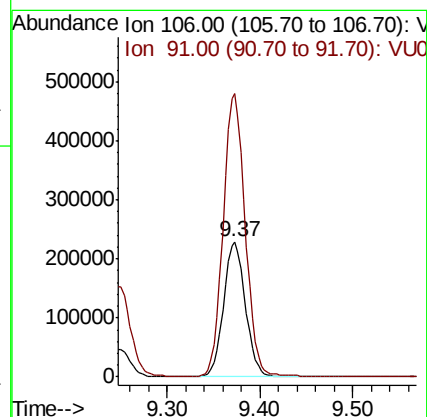
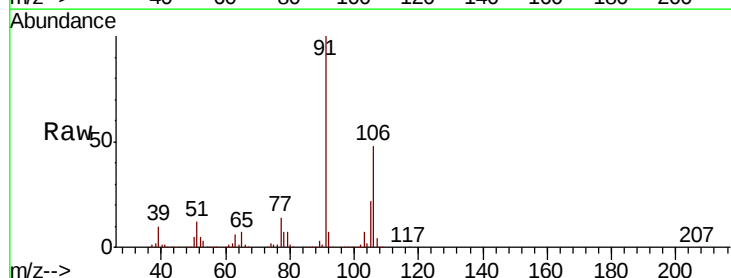
Instrument :
MSVOA_U
ClientSampleId :
JC-02-113018-C

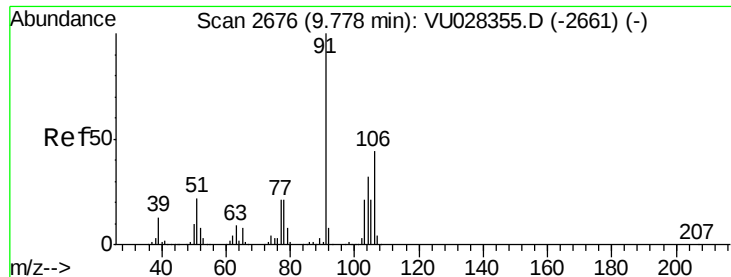
Tot Ion: 91 Resp: 249180
Ion Ratio Lower Upper
91 100
106 30.4 23.3 34.9



#68
m/p-Xylenes
Concen: 52.069 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

Tgt Ion: 106 Resp: 373219
Ion Ratio Lower Upper
106 100
91 211.4 171.0 256.6

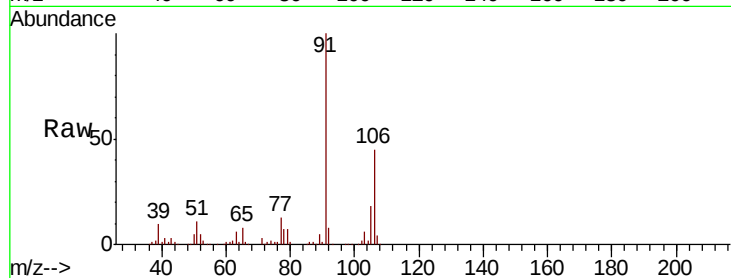




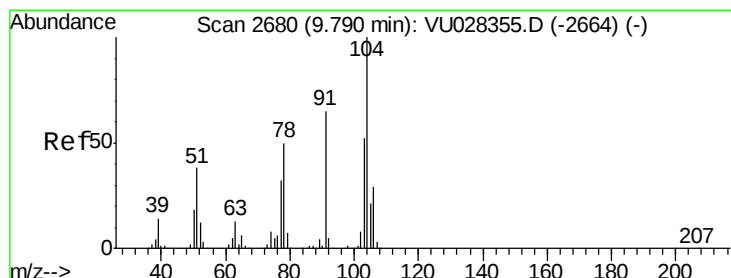
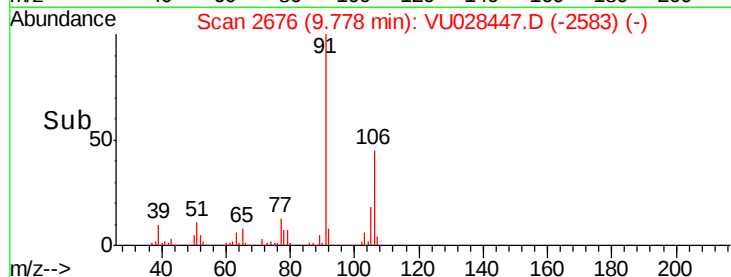
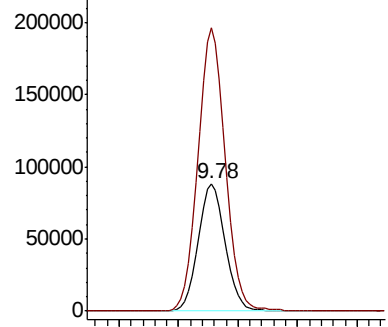
#69
o-Xylene
Concen: 19.486 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
JC-02-113018-C

Tot Ion:106 Resp: 138846
Ion Ratio Lower Upper
106 100
91 224.1 112.7 338.0

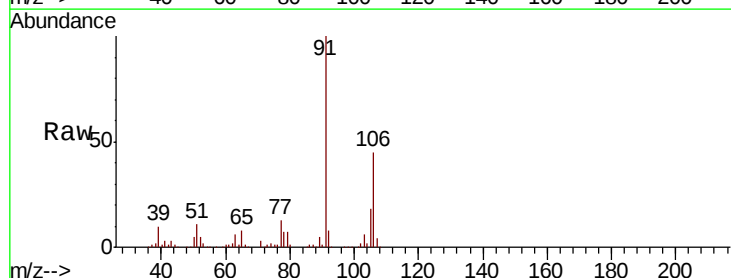


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

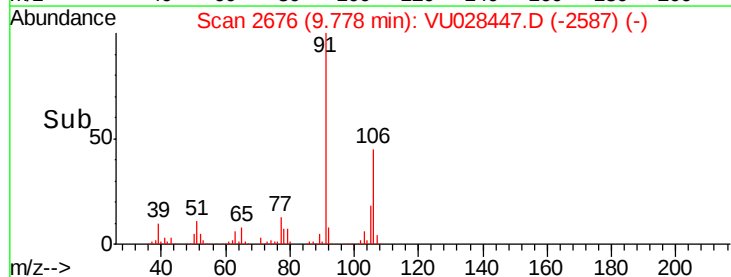
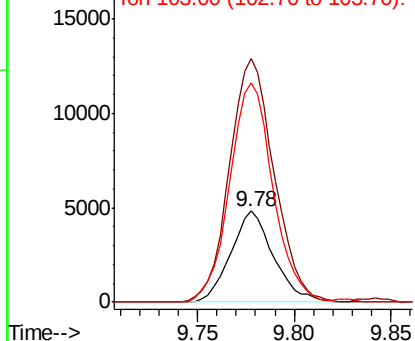


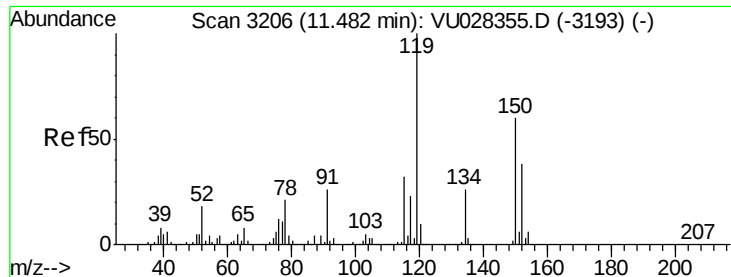
#70
Styrene
Concen: 0.643 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.01 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

Tgt Ion:104 Resp: 7393
Ion Ratio Lower Upper
104 100
78 278.9 43.3 64.9#
103 244.5 44.8 67.2#



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# 3206

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

JC-02-113018-C

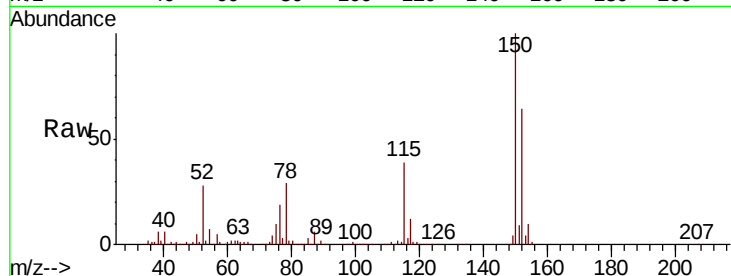
Tot Ion:152 Resp: 241783

Ion Ratio Lower Upper

152 100

115 60.2 45.0 134.8

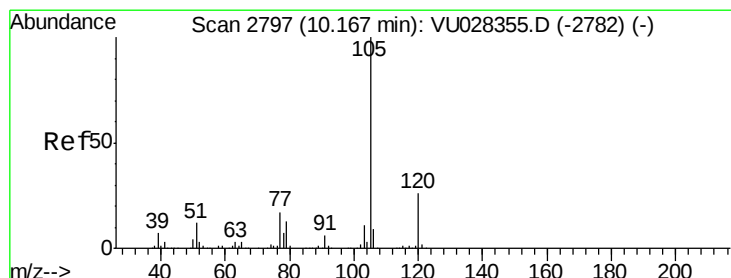
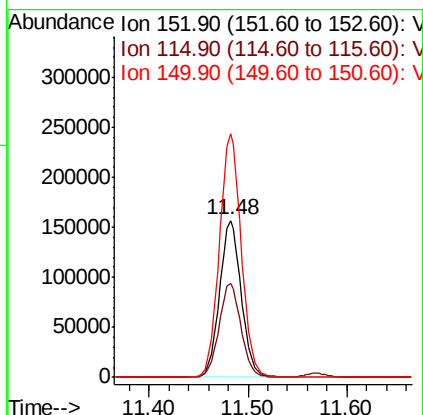
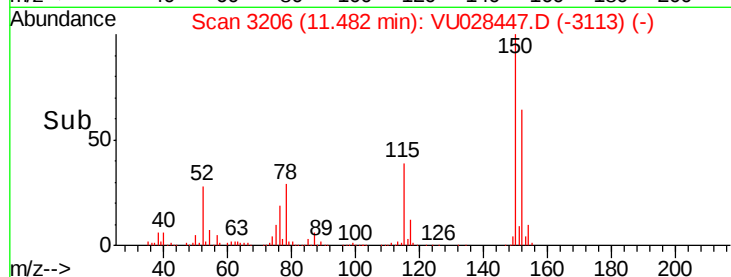
150 156.2 0.0 349.2



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: 1.036 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028447.D

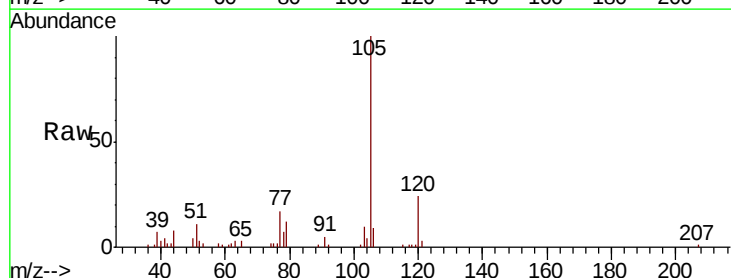
Acq: 03 Dec 2018 17:28

Tgt Ion:105 Resp: 19481

Ion Ratio Lower Upper

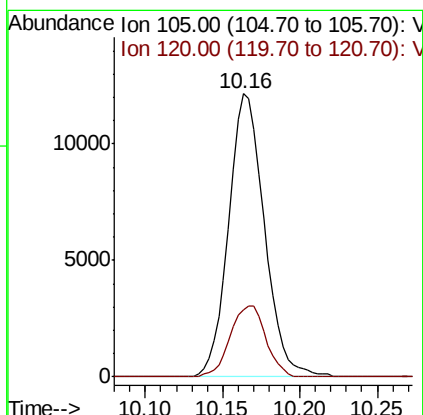
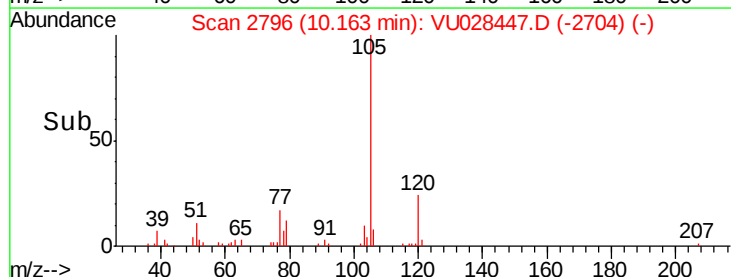
105 100

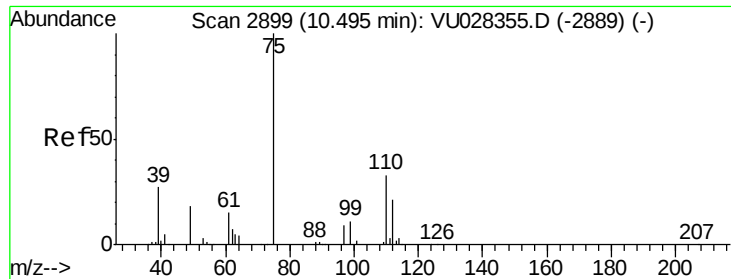
120 24.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 20.215 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

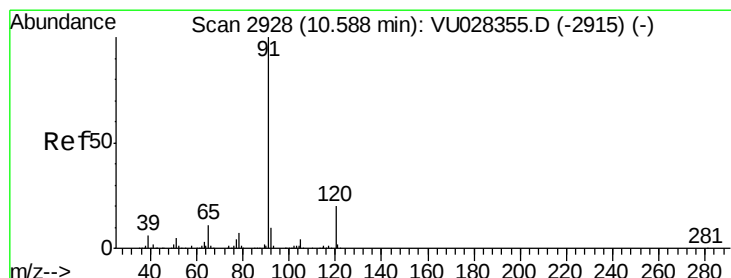
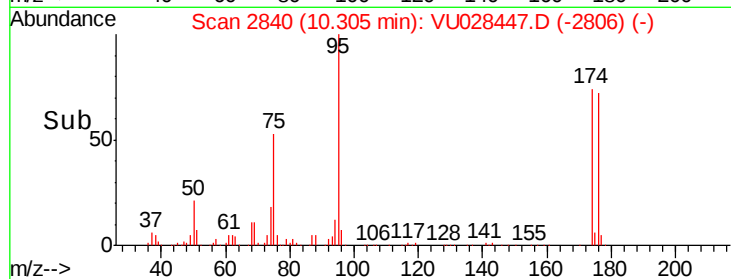
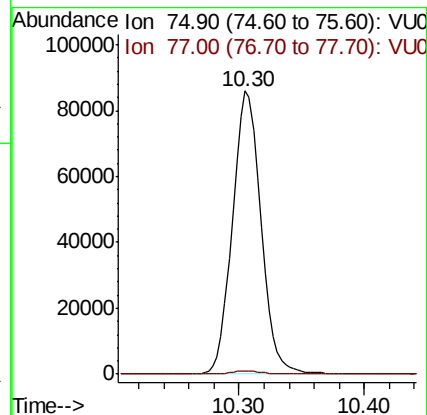
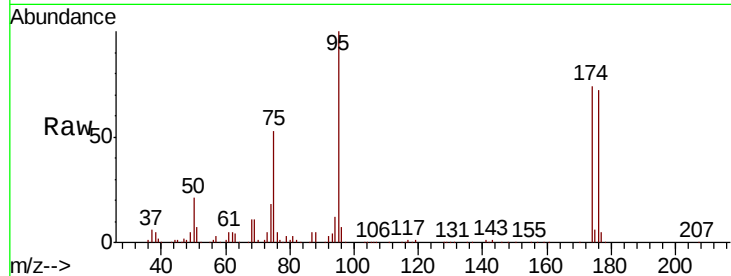
JC-02-113018-C

Tot Ion: 75 Resp: 135538

Ion Ratio Lower Upper

75 100

77 0.0 22.4 67.0#



#78

n-propylbenzene

Concen: 4.549 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028447.D

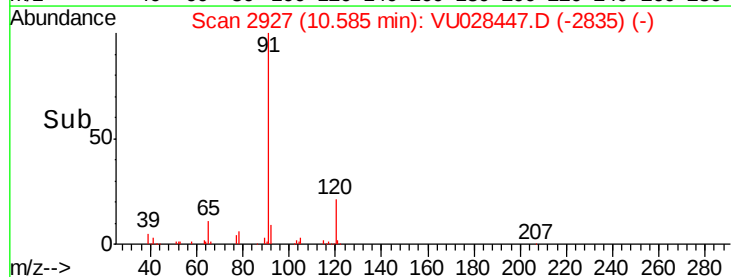
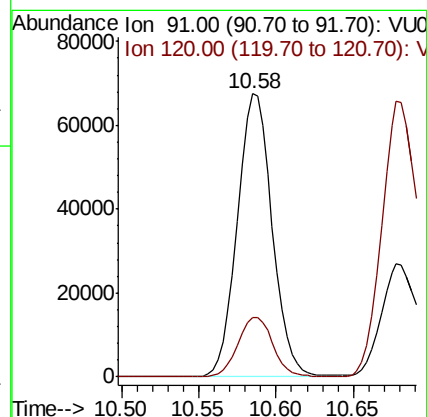
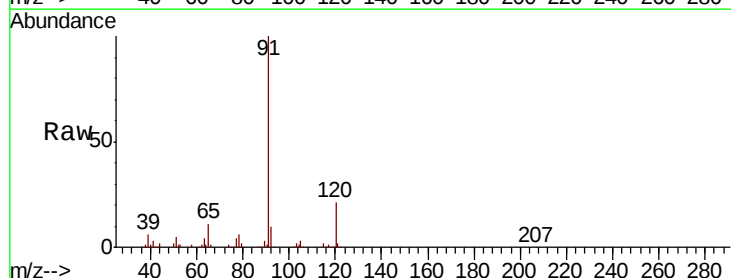
Acq: 03 Dec 2018 17:28

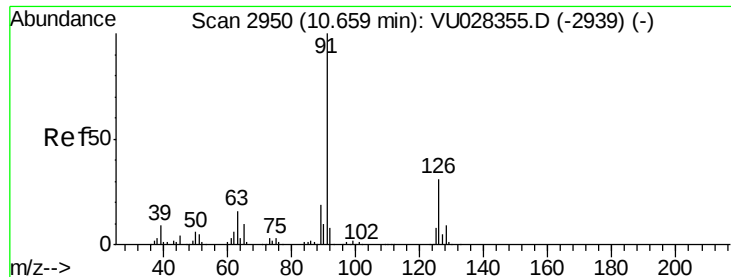
Tgt Ion: 91 Resp: 105528

Ion Ratio Lower Upper

91 100

120 21.1 10.3 30.8

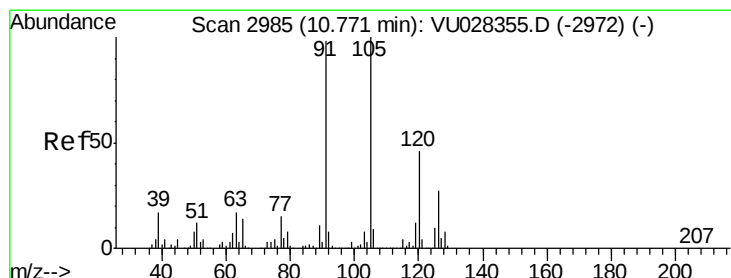
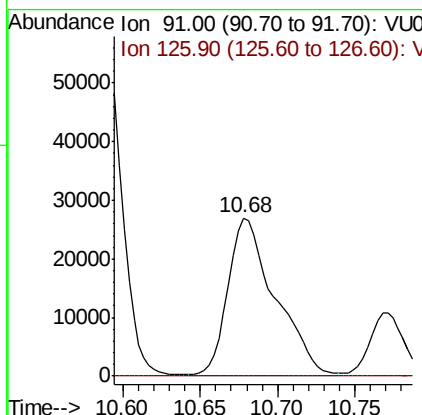
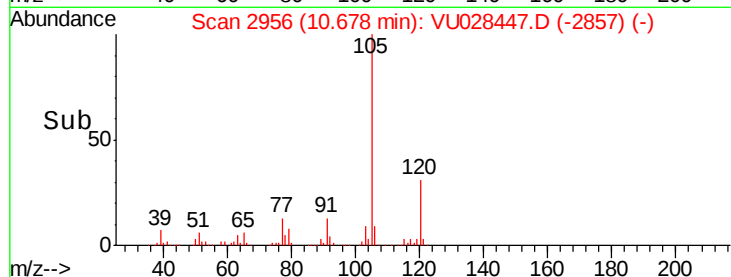
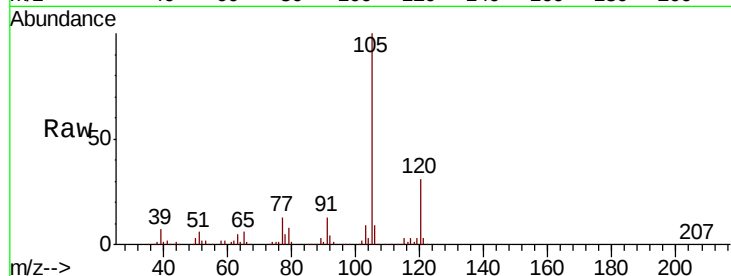




#79
 2-Chlorotoluene
 Concen: 4.191 ug/l
 RT: 10.68 min Scan# 2956
 Delta R.T. 0.02 min
 Lab File: VU028447.D
 Acq: 03 Dec 2018 17:28

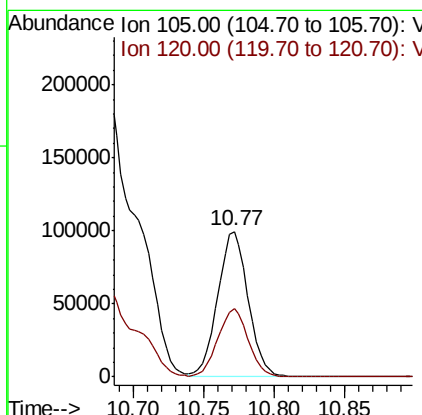
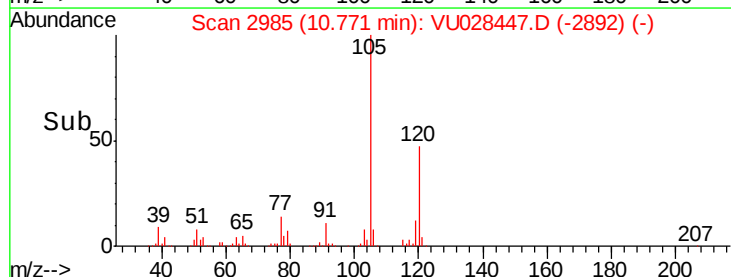
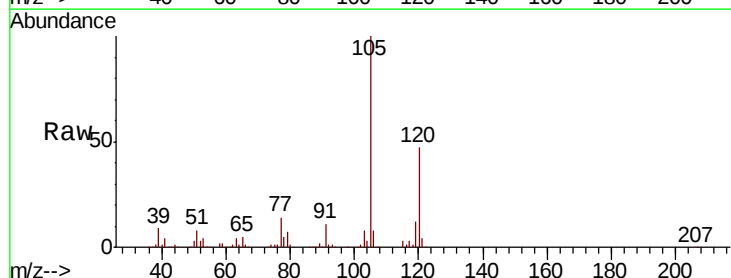
Instrument :
 MSVOA_U
 ClientSampleId :
 JC-02-113018-C

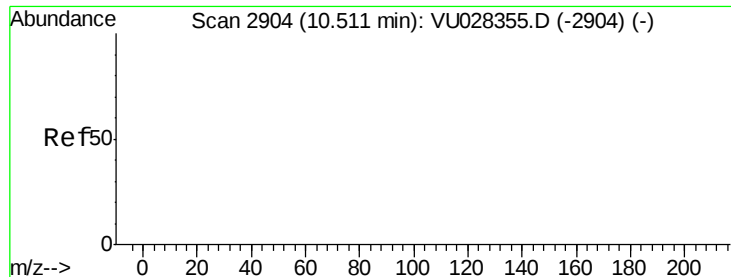
Tot Ion: 91 Resp: 57314
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.4 46.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 9.432 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028447.D
 Acq: 03 Dec 2018 17:28

Tgt Ion: 105 Resp: 149474
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.4 70.0

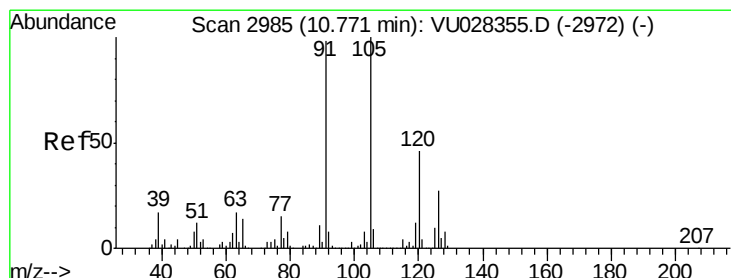
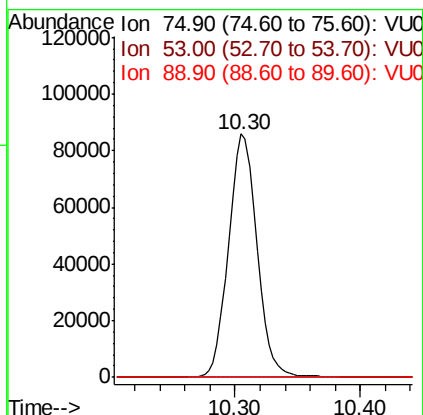
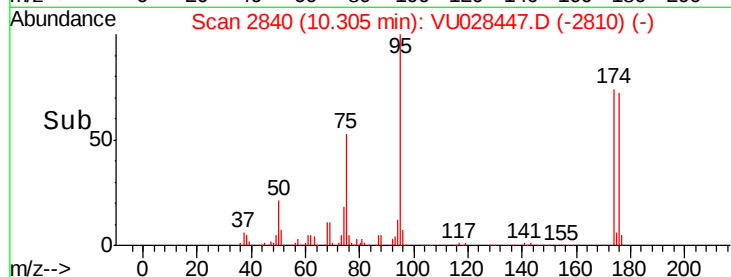
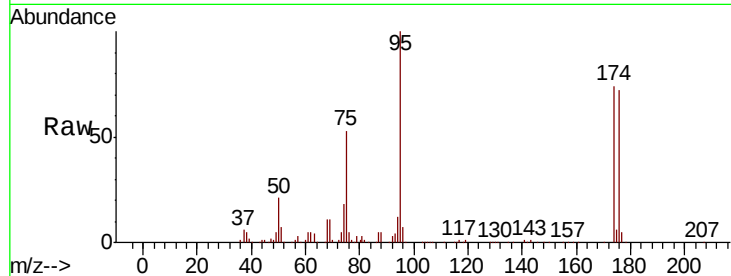




#81
trans-1,4-Dichloro-2-butene
Concen: 53.660 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.20 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

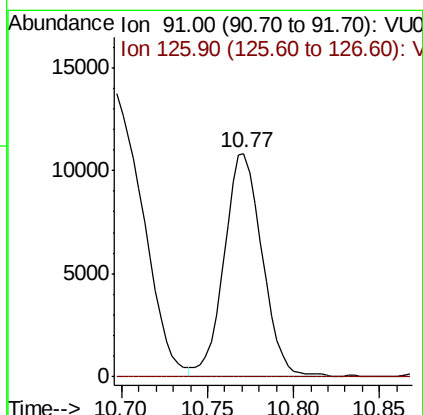
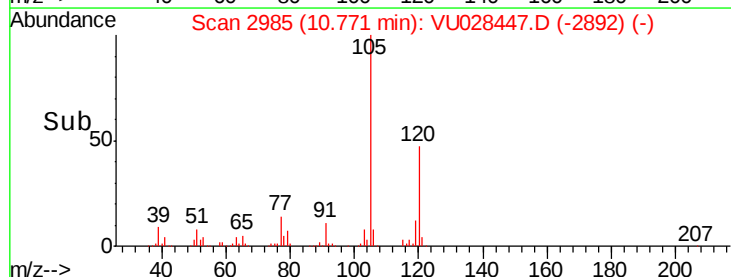
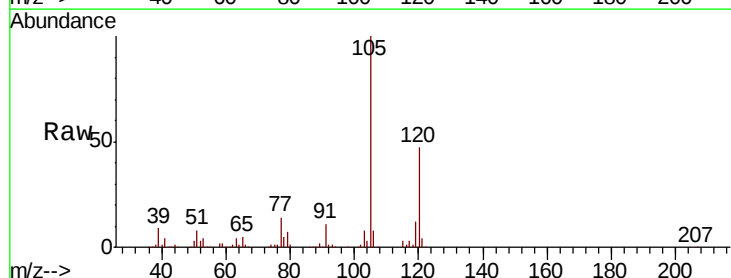
Instrument :
MSVOA_U
ClientSampleId :
JC-02-113018-C

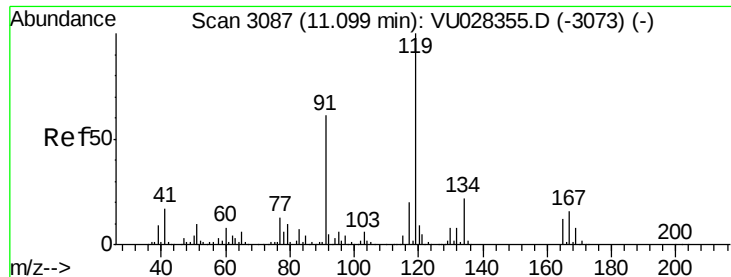
Tot Ion: 75 Resp: 135538
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 1.064 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU028447.D
Acq: 03 Dec 2018 17:28

Tgt Ion: 91 Resp: 16767
Ion Ratio Lower Upper
91 100
126 0.0 13.9 41.6#





#83

tert-Butylbenzene

Concen: 4.406 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.05 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

JC-02-113018-C

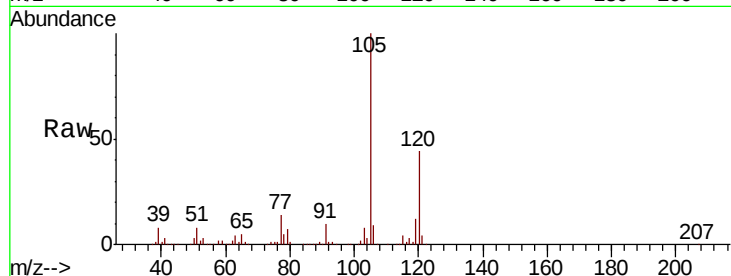
Tot Ion:119 Resp: 65083

Ion Ratio Lower Upper

119 100

91 90.0 30.8 92.4

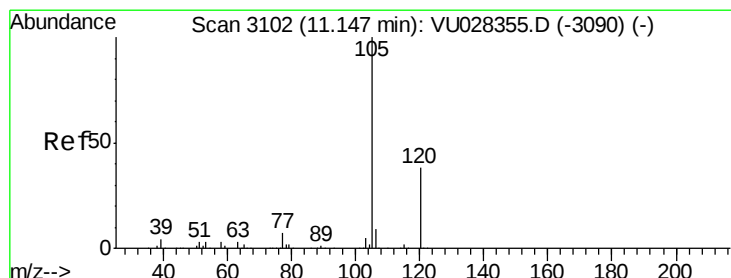
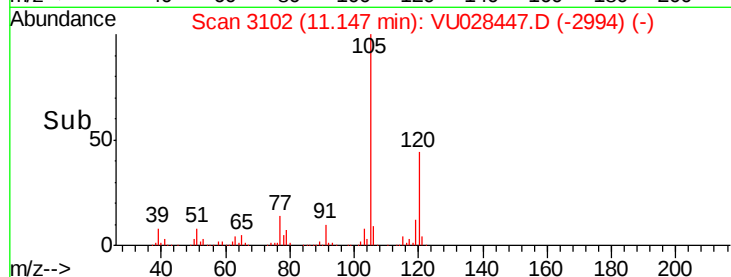
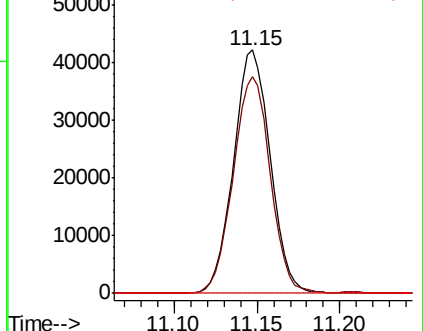
134 0.0 11.1 33.1#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 34.380 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.00 min

Lab File: VU028447.D

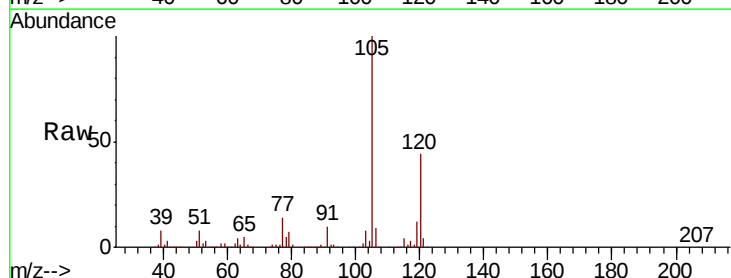
Acq: 03 Dec 2018 17:28

Tgt Ion:105 Resp: 551828

Ion Ratio Lower Upper

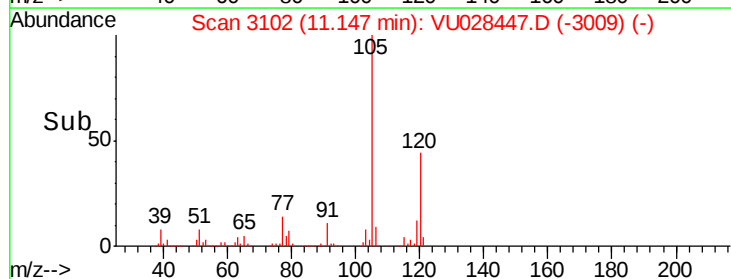
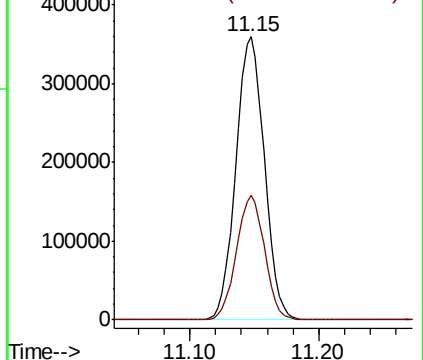
105 100

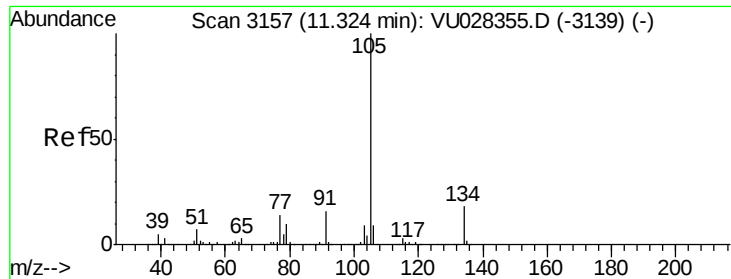
120 43.5 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 28.761 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.18 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

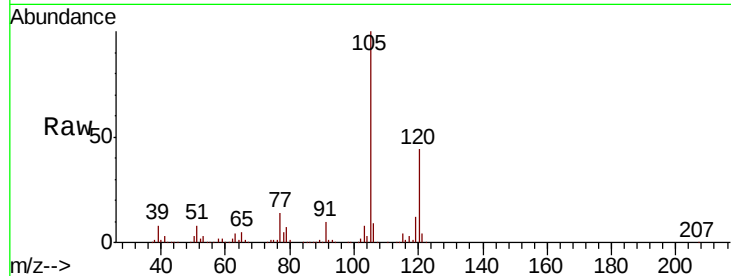
JC-02-113018-C

Tot Ion:105 Resp: 551828

Ion Ratio Lower Upper

105 100

134 0.0 9.3 27.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.15

400000

300000

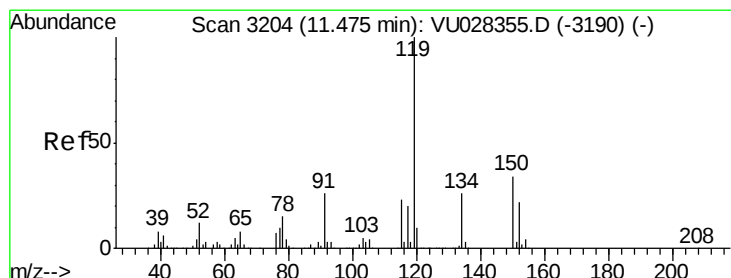
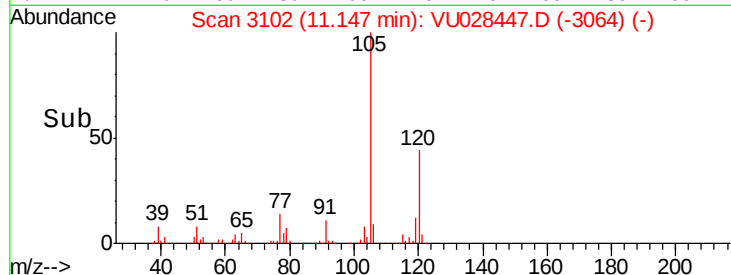
200000

100000

0

Time-->

11.10 11.20



#86

p-Isopropyltoluene

Concen: 0.475 ug/l

RT: 11.42 min Scan# 3188

Delta R.T. -0.05 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

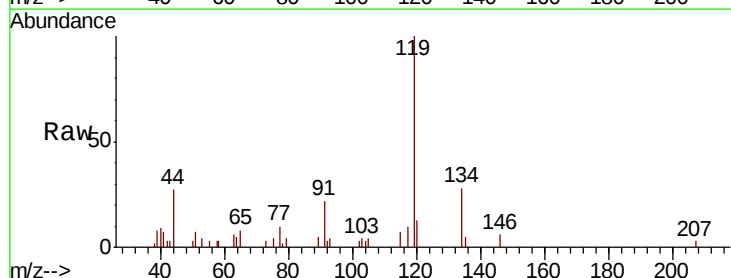
Tgt Ion:119 Resp: 7493

Ion Ratio Lower Upper

119 100

134 26.7 12.8 38.3

91 22.5 13.1 39.1



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

6000

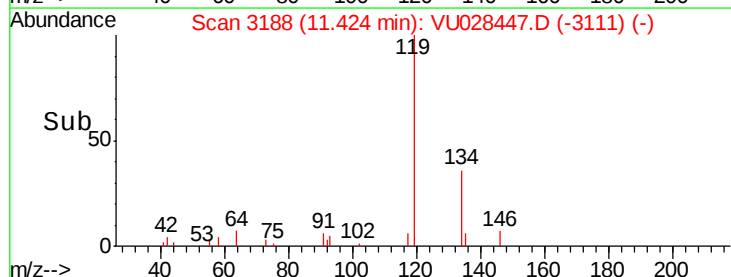
4000

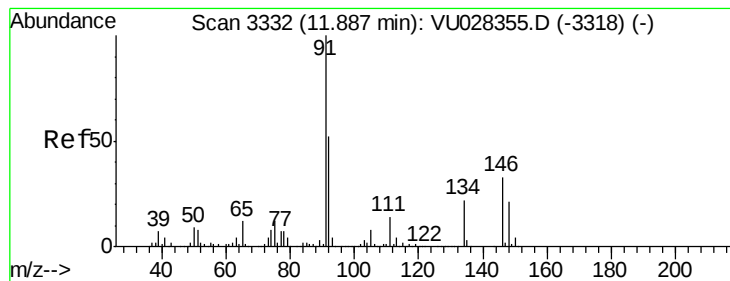
2000

0

Time-->

11.40 11.45





#89

n-Butylbenzene

Concen: 1.199 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. -0.01 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

JC-02-113018-C

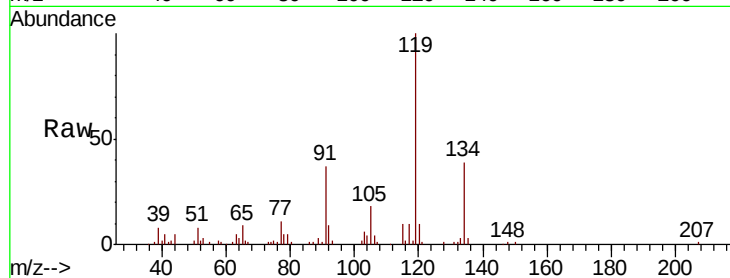
Tot Ion: 91 Resp: 18668

Ion Ratio Lower Upper

91 100

92 26.2 26.2 78.5

134 106.4 11.1 33.1#

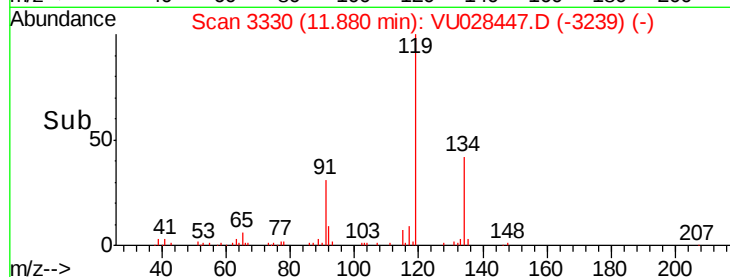


Abundance Ion 91.00 (90.70 to 91.70): VU028447.D (-3239) (-)

Ion 92.00 (91.70 to 92.70): VU028447.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU028447.D (-3239) (-)

Time-->



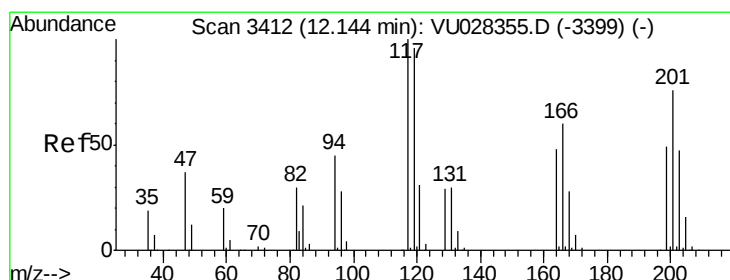
Abundance

Ion 91.00 (90.70 to 91.70): VU028447.D (-3239) (-)

Ion 92.00 (91.70 to 92.70): VU028447.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU028447.D (-3239) (-)

Time-->



#90

Hexachloroethane

Concen: 1.178 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU028447.D

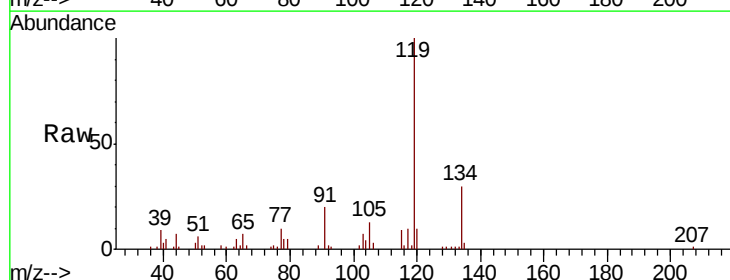
Acq: 03 Dec 2018 17:28

Tgt Ion: 117 Resp: 2901

Ion Ratio Lower Upper

117 100

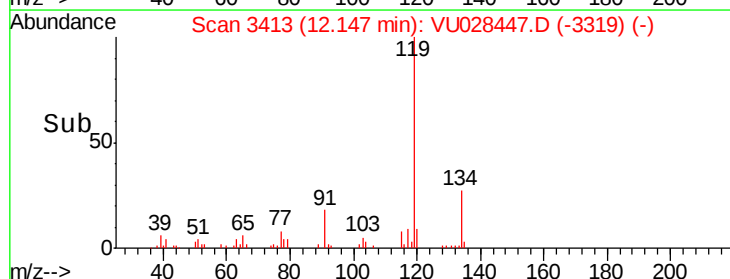
201 0.0 37.7 113.1#



Abundance Ion 116.80 (116.50 to 117.50): VU028447.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU028447.D (-3319) (-)

Time-->

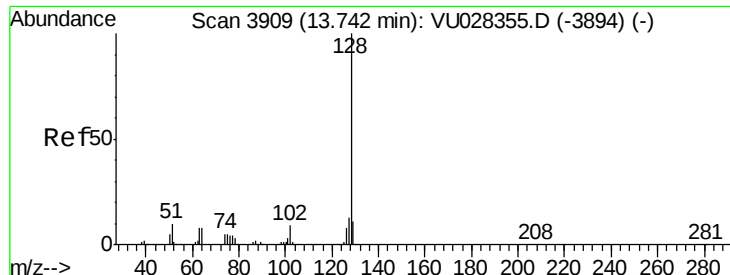


Abundance

Ion 116.80 (116.50 to 117.50): VU028447.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU028447.D (-3319) (-)

Time-->



#95

Naphthalene

Concen: 9.912 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028447.D

Acq: 03 Dec 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

JC-02-113018-C

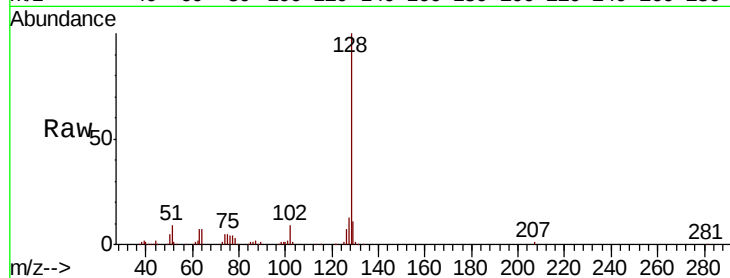
Tot Ion:128 Resp: 152655

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 10.5 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

