

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011519\
 Data File : VU029192.D
 Acq On : 15 Jan 2019 17:57
 Operator : JC/SP
 Sample : K1139-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S-4

Quant Time: Jan 16 04:36:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	107682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	190793	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	183559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82711	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	75362	56.61	ug/l	0.00
Spiked Amount			Recovery	=	113.22%	
35) Dibromofluoromethane	4.88	113	64815	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
50) Toluene-d8	7.56	98	254724	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	10.30	95	82589	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	789	Below Cal	#	87
11) Tert butyl alcohol	2.83	59	373	1.102	ug/l #	73
13) Acrolein	2.20	56	68	0.268	ug/l	84
14) Allyl chloride	2.70	41	9879	4.821	ug/l #	29
16) Acetone	2.32	43	10481	12.499	ug/l	98
17) Carbon Disulfide	2.48	76	490	Below Cal	#	75
18) Methyl Acetate	2.62	43	1751	0.898	ug/l #	68
20) Methylene Chloride	2.70	84	276100	193.921	ug/l	97
25) 2-Butanone	4.28	43	2136	1.886	ug/l #	77
29) Tetrahydrofuran	4.66	42	213	0.310	ug/l #	30
31) Cyclohexane	4.98	56	2041	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7995	4.192	ug/l #	47
37) Ethyl Acetate	4.28	43	2136	1.020	ug/l #	66
38) Carbon Tetrachloride	4.98	117	9941	6.250	ug/l #	17
43) Isopropyl Acetate	5.55	43	7477	2.328	ug/l	95
45) 1,2-Dichloropropane	6.70	63	506	0.322	ug/l #	43
48) Methyl methacrylate	6.70	41	46411	29.682	ug/l #	36
51) 4-Methyl-2-Pentanone	7.42	43	33800	15.467	ug/l #	44
52) Toluene	7.64	92	3076	0.849	ug/l	90
54) cis-1,3-Dichloropropene	7.42	75	18442	7.684	ug/l #	59
57) 1,3-Dichloropropane	8.41	76	4053	1.633	ug/l #	42
59) 2-Hexanone	8.31	43	5705	3.326	ug/l #	21
67) Ethyl Benzene	9.25	91	682091	99.293	ug/l	100
68) m/p-Xylenes	9.37	106	1337474	501.092	ug/l	100
69) o-Xylene	9.78	106	703088	273.384	ug/l	98
70) Styrene	9.78	104	34926	8.284	ug/l #	1
73) Isopropylbenzene	10.16	105	20021	3.270	ug/l	100
74) N-amyl acetate	9.99	43	1233	0.467	ug/l #	40
76) 1,2,3-Trichloropropane	10.30	75	40199	19.836	ug/l #	34
78) n-propylbenzene	10.58	91	111105	15.400	ug/l	99
79) 2-Chlorotoluene	10.68	91	123274	28.167	ug/l #	41
80) 1,3,5-Trimethylbenzene	10.77	105	489044	95.658	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.68	75	7774	9.893	ug/l #	100
82) 4-Chlorotoluene	10.77	91	48699	9.704	ug/l #	44

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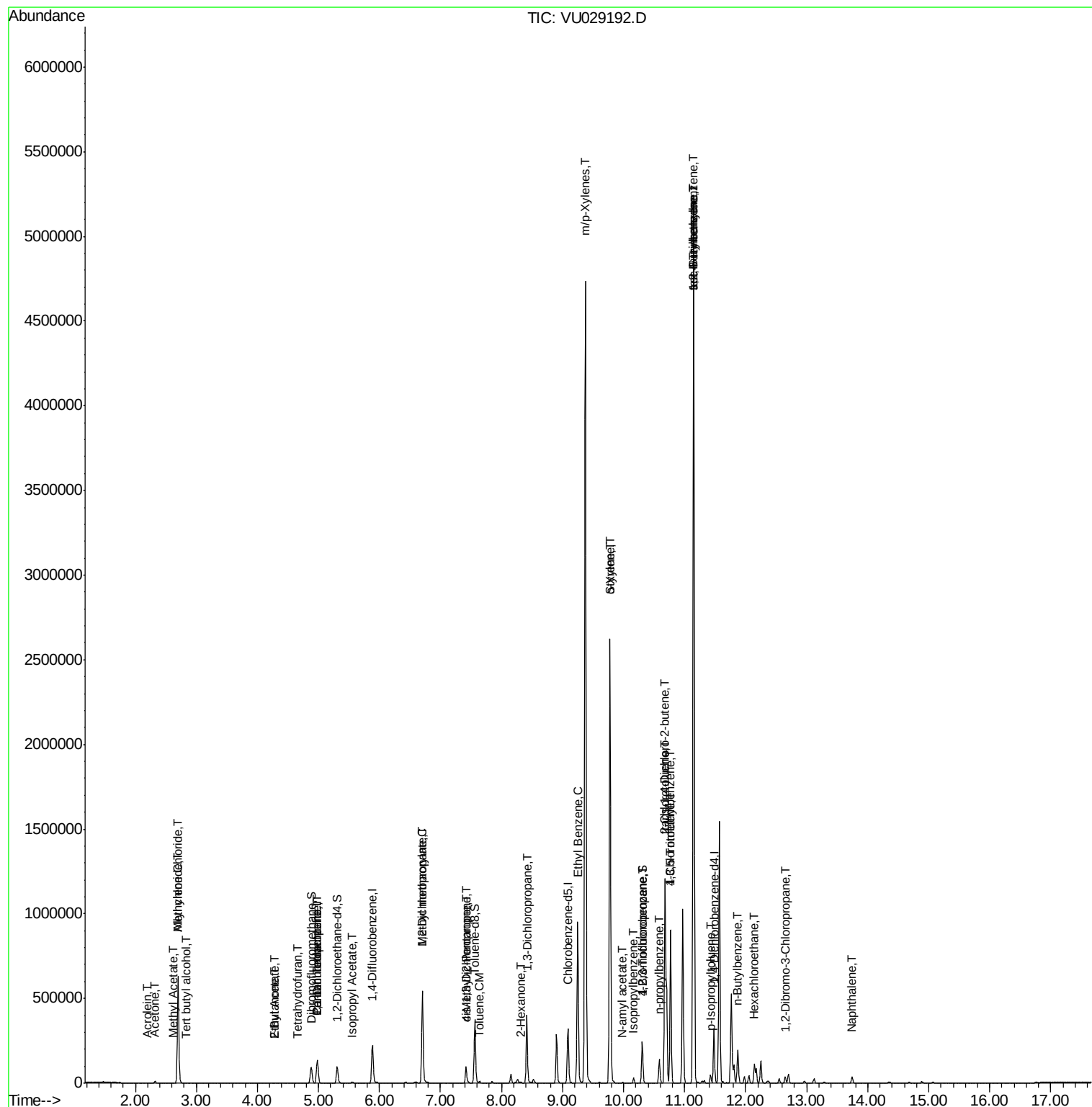
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	11.15	119	340259	67.526	ug/l #	62
84) 1,2,4-Trimethylbenzene	11.15	105	2787503	546.118	ug/l	99
85) sec-Butylbenzene	11.15	105	2787503	457.413	ug/l #	57
86) p-Isopropyltoluene	11.42	119	26358	5.076	ug/l	97
89) n-Butylbenzene	11.87	91	25776	5.561	ug/l #	1
90) Hexachloroethane	12.14	117	6201	7.098	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	12.65	75	101	0.214	ug/l #	1
95) Naphthalene	13.74	128	32573	5.089	ug/l	99

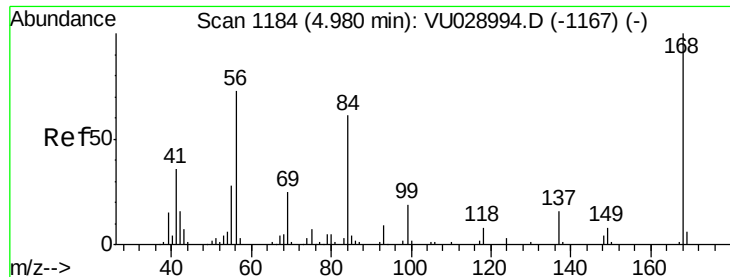
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampled :

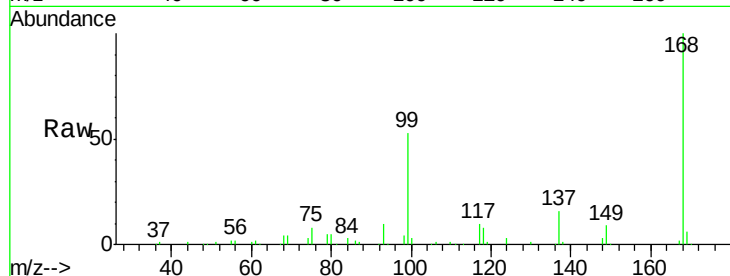
S-4

Tot Ion:168 Resp: 107682

Ion Ratio Lower Upper

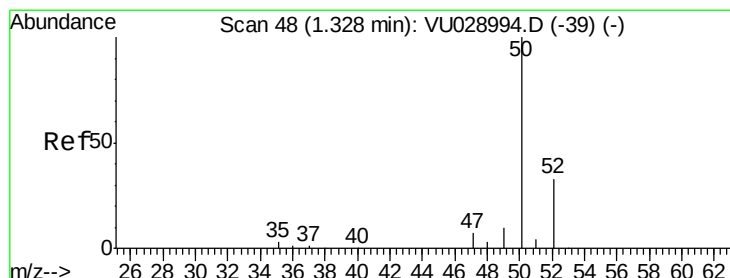
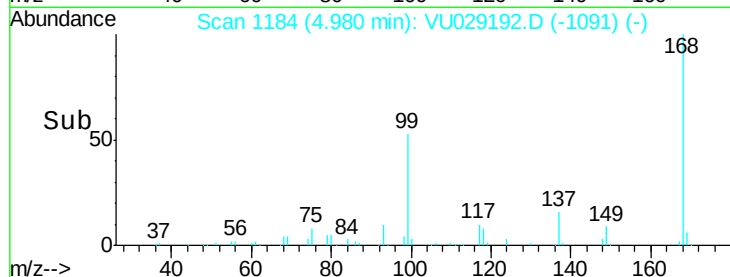
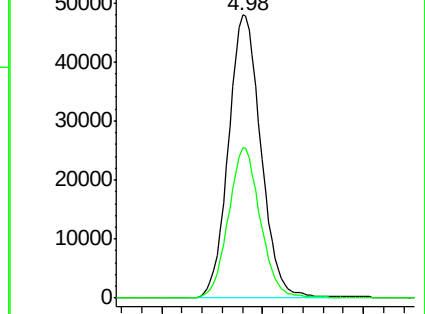
168 100

99 53.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029192.D

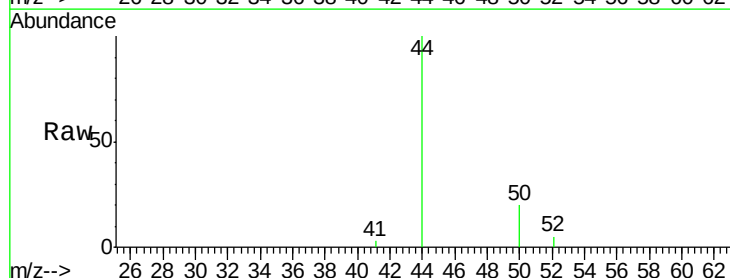
Acq: 15 Jan 2019 17:57

Tgt Ion: 50 Resp: 789

Ion Ratio Lower Upper

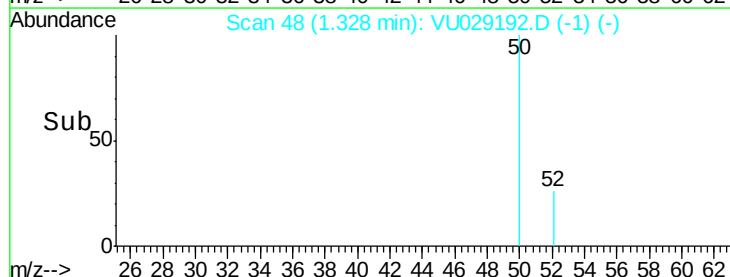
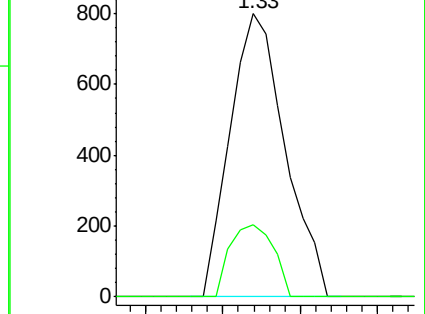
50 100

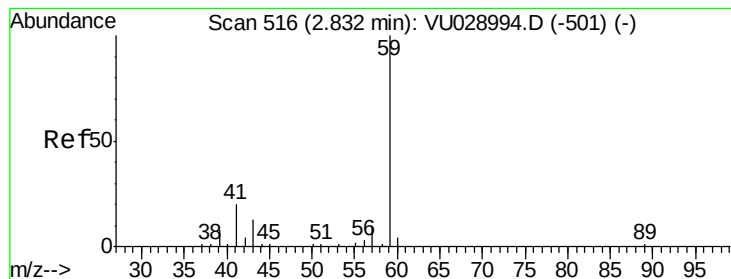
52 25.5 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VU028994.D (-39) (-)

Ion 51.90 (51.60 to 52.60): VU028994.D (-39) (-)



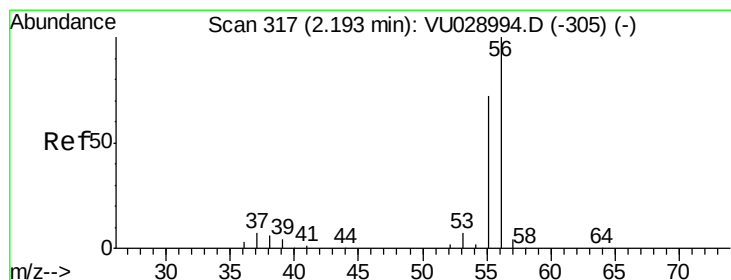
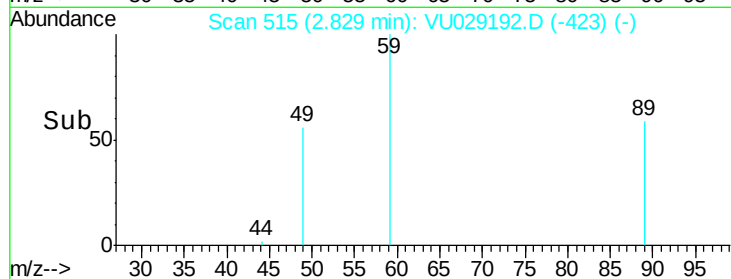
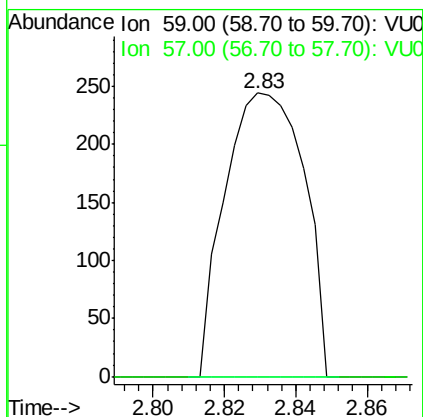
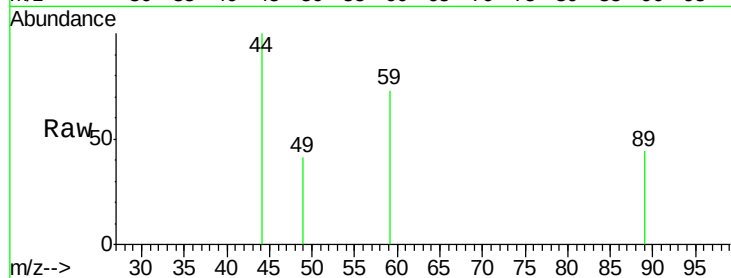


#11

Tert butyl alcohol
 Concen: 1.102 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU029192.D
 Acq: 15 Jan 2019 17:57

Instrument :
 MSVOA_U
 ClientSampled :
 S-4

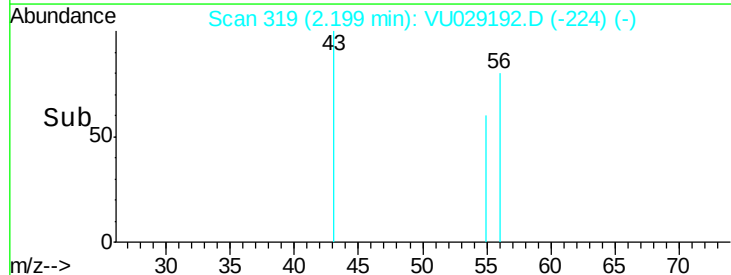
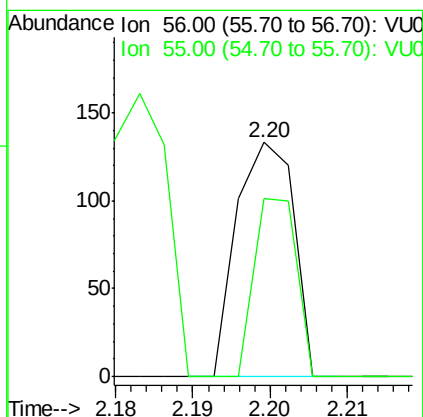
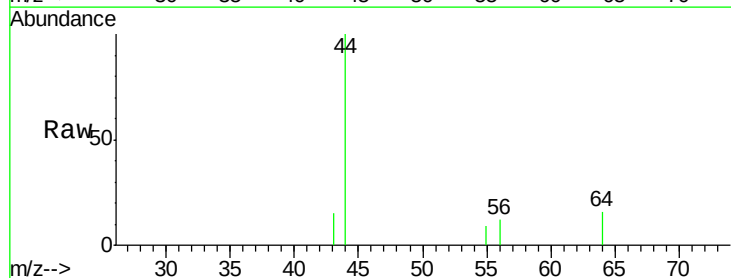
Tot Ion: 59 Resp: 373
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

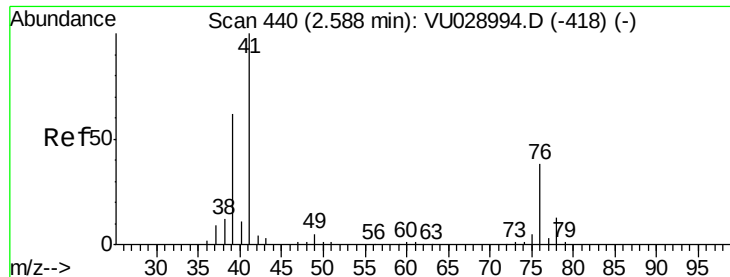


#13

Acrolein
 Concen: 0.268 ug/l
 RT: 2.20 min Scan# 319
 Delta R.T. 0.01 min
 Lab File: VU029192.D
 Acq: 15 Jan 2019 17:57

Tgt Ion: 56 Resp: 68
 Ion Ratio Lower Upper
 56 100
 55 57.4 56.5 84.7

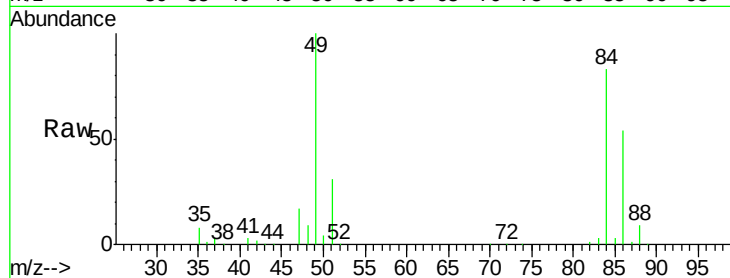




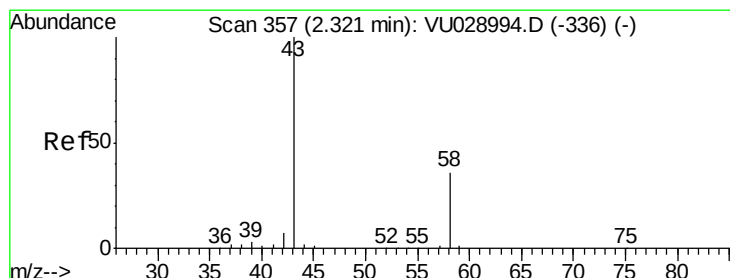
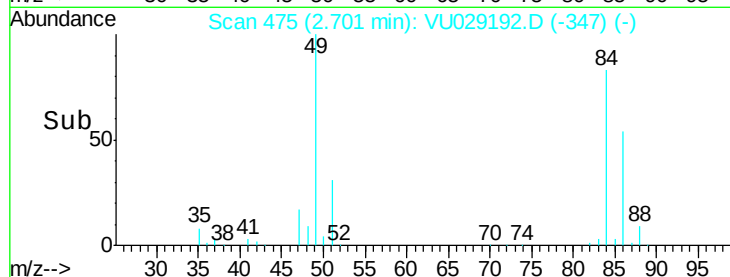
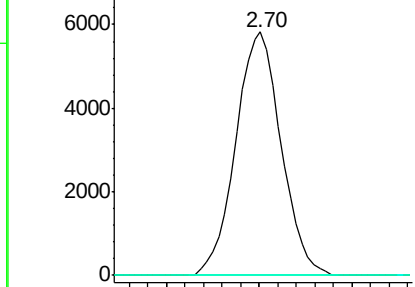
#14
Allvl chloride
Concen: 4.821 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.11 min
Lab File: VU029192.D
Acq: 15 Jan 2019 17:57

Instrument :
MSVOA_U
ClientSampleId :
S-4

Tot Ion: 41 Resp: 9879
Ion Ratio Lower Upper
41 100
39 0.0 45.0 67.6#
76 0.0 28.1 42.1#

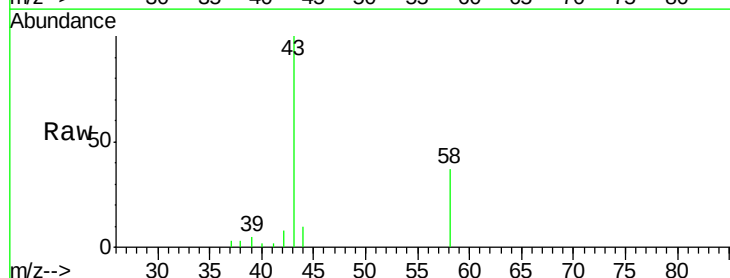


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 75.90 (75.60 to 76.60): VU0

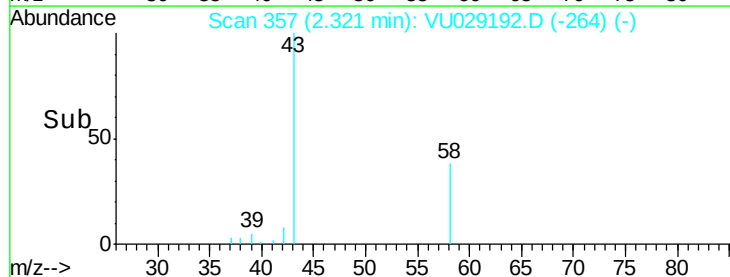
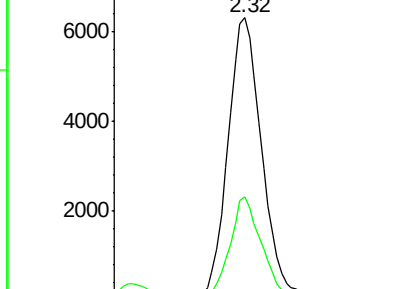


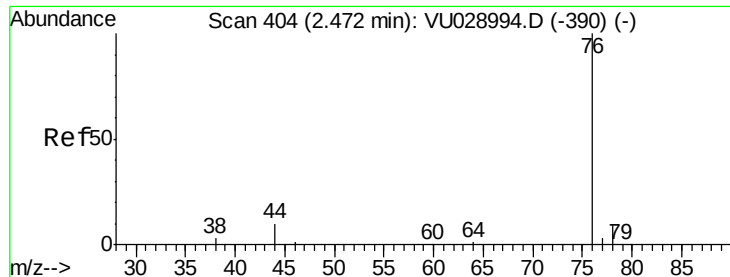
#16
Acetone
Concen: 12.499 ug/l
RT: 2.32 min Scan# 357
Delta R.T. 0.00 min
Lab File: VU029192.D
Acq: 15 Jan 2019 17:57

Tgt Ion: 43 Resp: 10481
Ion Ratio Lower Upper
43 100
58 36.9 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

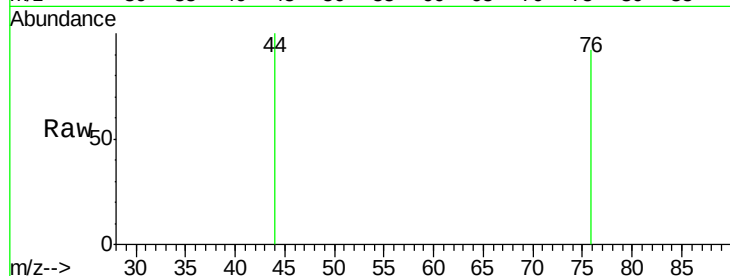
S-4

Tot Ion: 76 Resp: 490

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

400

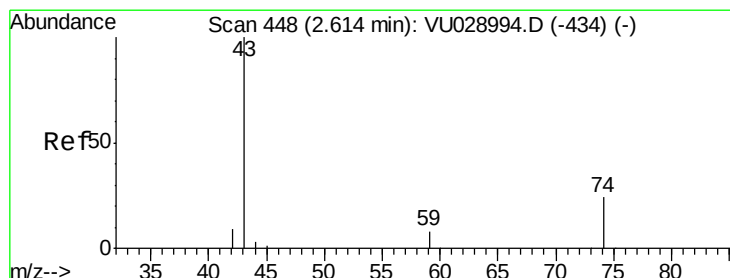
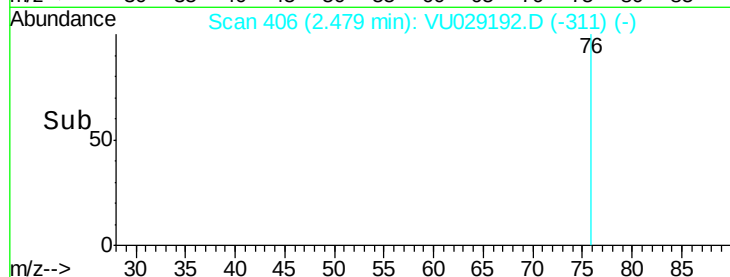
300

200

100

0

Time-->



#18

Methyl Acetate

Concen: 0.898 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU029192.D

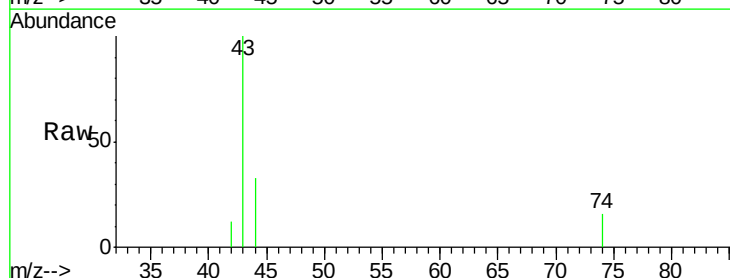
Acq: 15 Jan 2019 17:57

Tgt Ion: 43 Resp: 1751

Ion Ratio Lower Upper

43 100

74 8.4 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

1000

800

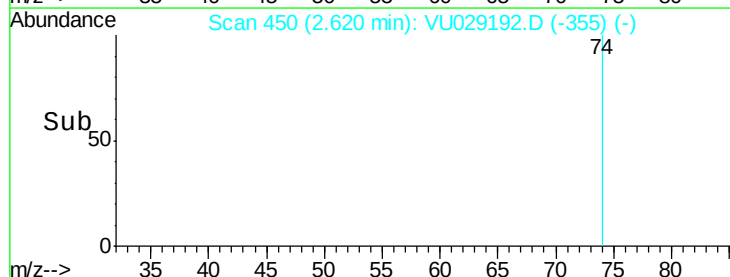
600

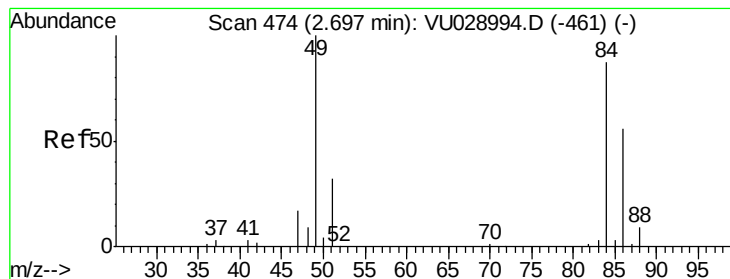
400

200

0

Time-->





#20

Methylene Chloride

Concen: 193.921 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :
MSVOA_U
ClientSampleId :
S-4

Tot Ion: 84 Resp: 276100

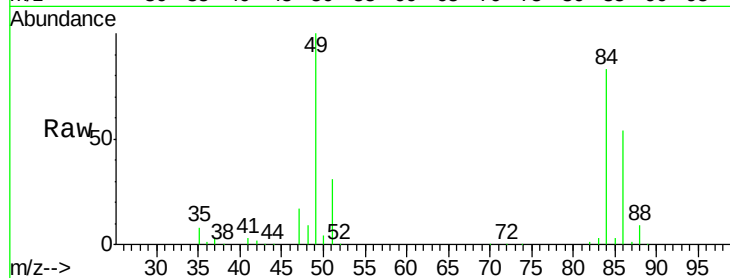
Ion Ratio Lower Upper

84 100

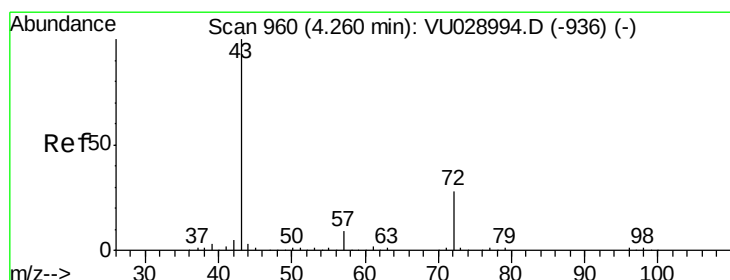
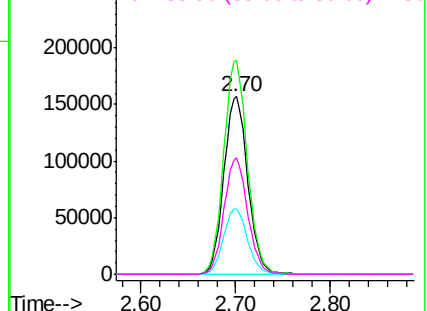
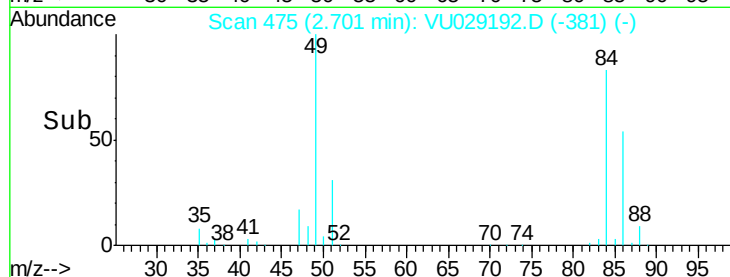
49 120.2 91.9 137.9

51 36.7 29.2 43.8

86 65.4 51.8 77.6



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: 1.886 ug/l

RT: 4.28 min Scan# 967

Delta R.T. 0.02 min

Lab File: VU029192.D

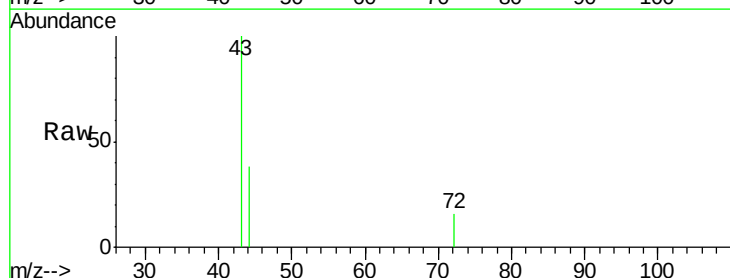
Acq: 15 Jan 2019 17:57

Tgt Ion: 43 Resp: 2136

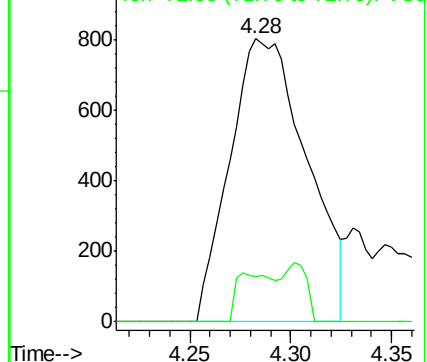
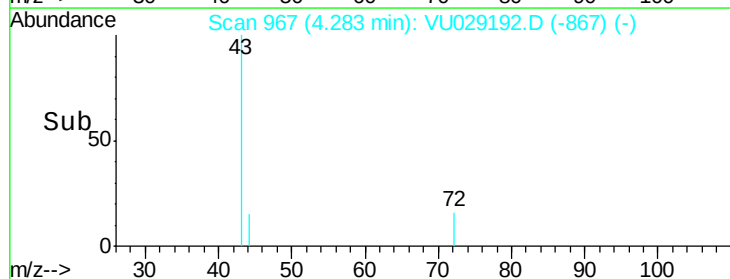
Ion Ratio Lower Upper

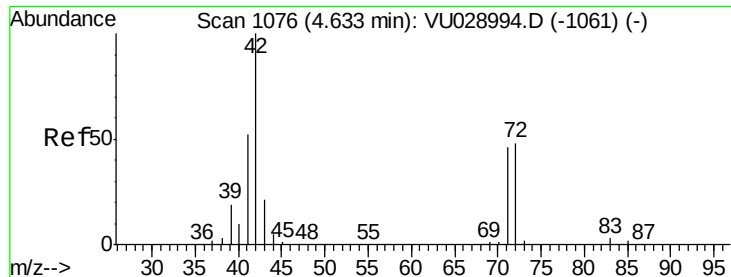
43 100

72 16.1 22.6 33.8#



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





#29

Tetrahydrofuran

Concen: 0.310 ug/l

RT: 4.66 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampled :

S-4

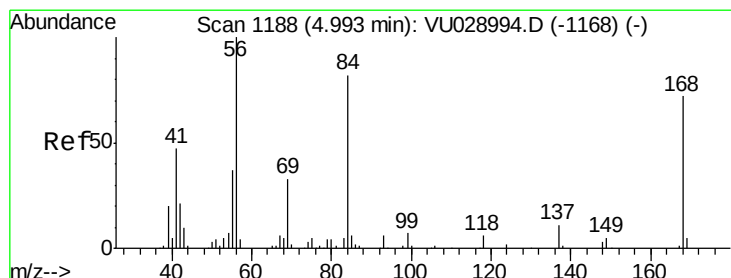
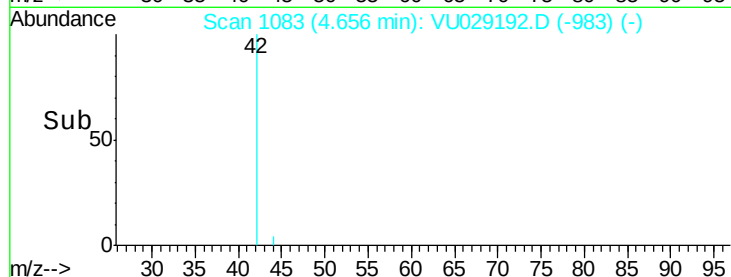
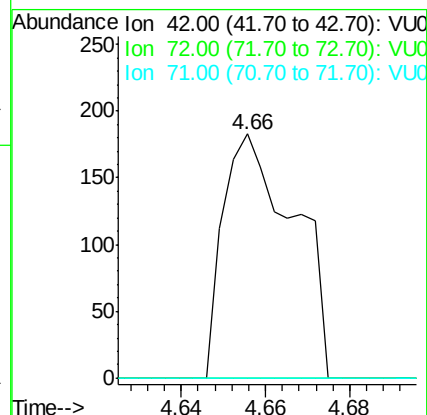
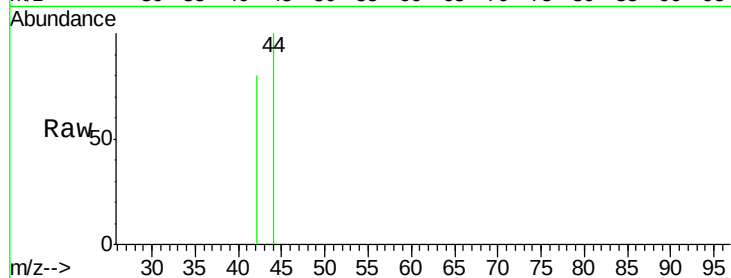
Tot Ion: 42 Resp: 213

Ion Ratio Lower Upper

42 100

72 0.0 38.3 57.5#

71 0.0 36.1 54.1#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

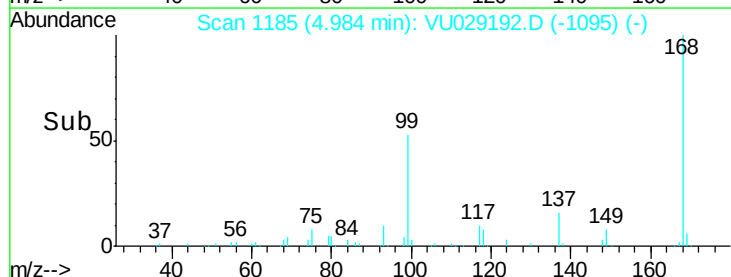
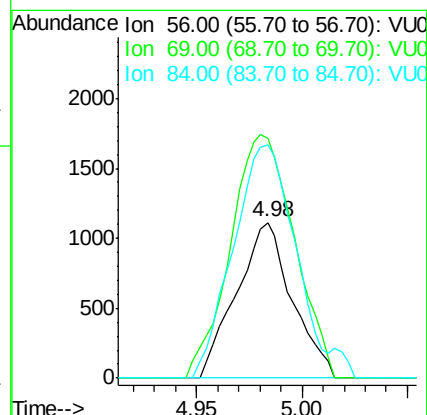
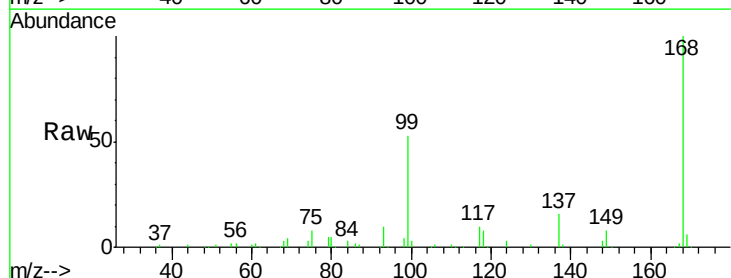
Tgt Ion: 56 Resp: 2041

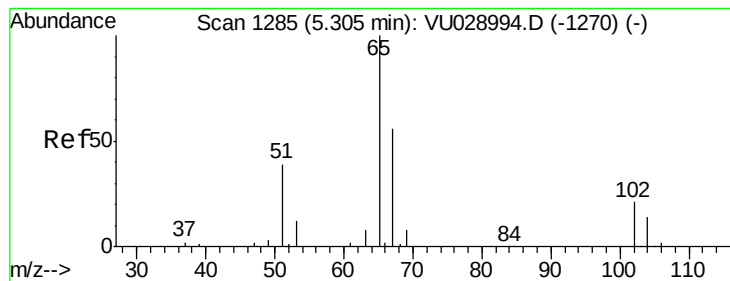
Ion Ratio Lower Upper

56 100

69 154.2 26.7 40.1#

84 150.1 65.7 98.5#





#33

1,2-Dichloroethane-d4

Concen: 56.614 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampled :

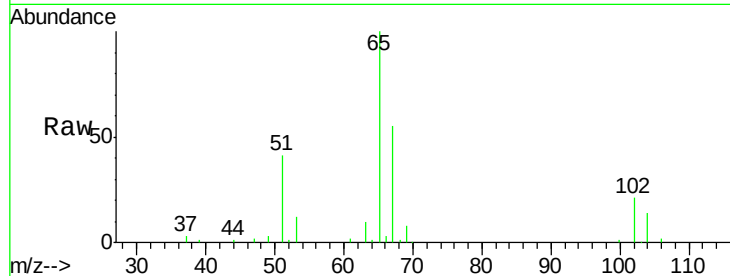
S-4

Tot Ion: 65 Resp: 75362

Ion Ratio Lower Upper

65 100

67 54.6 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU028994.D (-1270) (-)

Ion 66.90 (66.60 to 67.60): VU028994.D (-1270) (-)

5.31

40000

30000

20000

10000

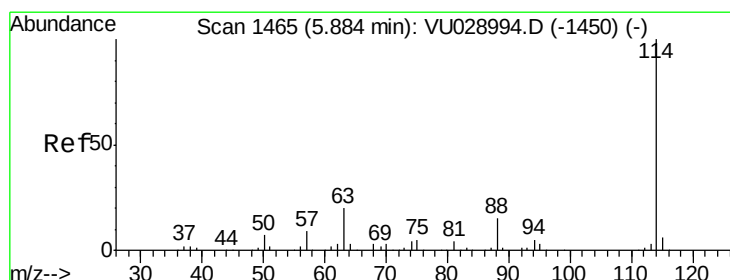
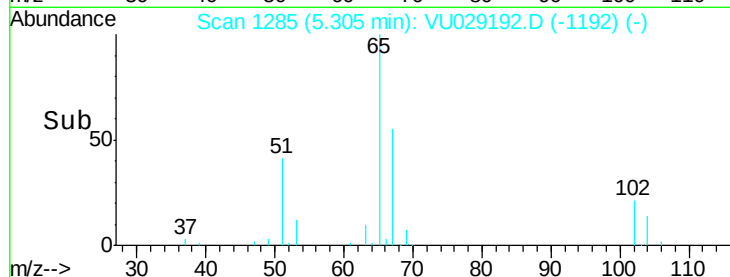
0

Time-->

5.20

5.30

5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

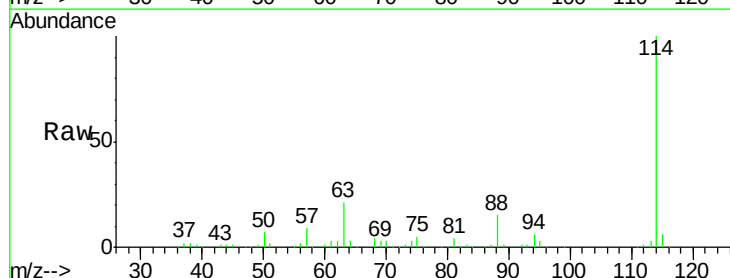
Tgt Ion: 114 Resp: 190793

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.2

88 15.3 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VU028994.D (-1450) (-)

Ion 63.00 (62.70 to 63.70): VU028994.D (-1450) (-)

Ion 87.90 (87.60 to 88.60): VU028994.D (-1450) (-)

5.88

100000

50000

0

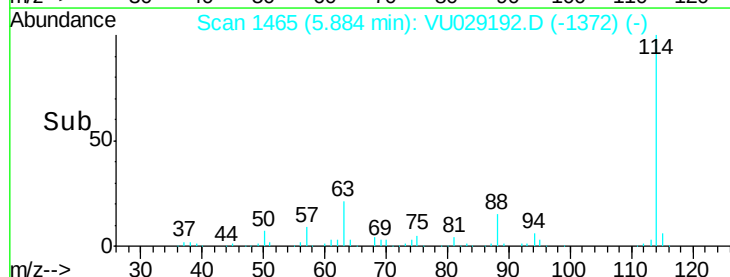
Time-->

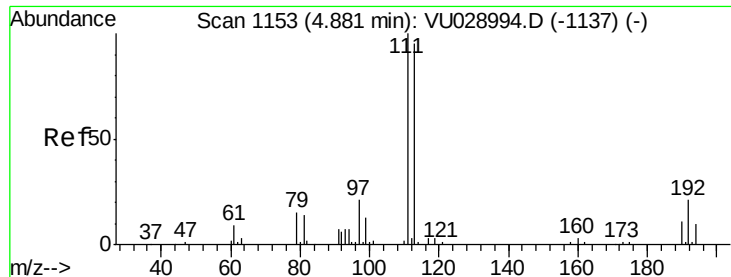
5.80

5.85

5.90

5.95





#35

Dibromofluoromethane

Concen: 52.406 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :
MSVOA_U
ClientSampleId :
S-4

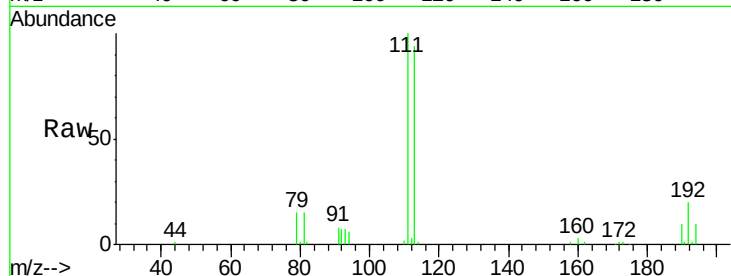
Tot Ion:113 Resp: 64815

Ion Ratio Lower Upper

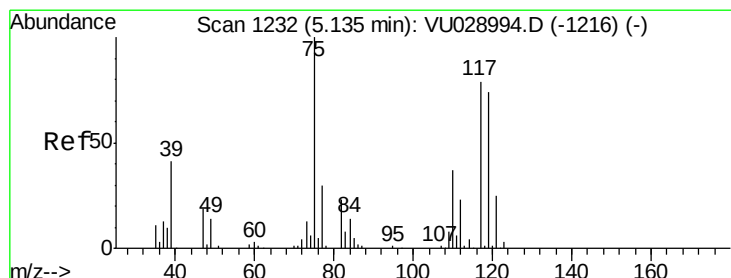
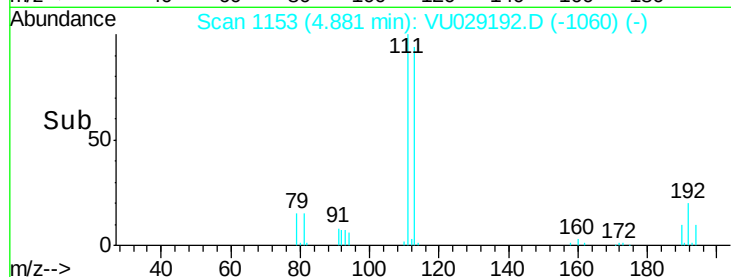
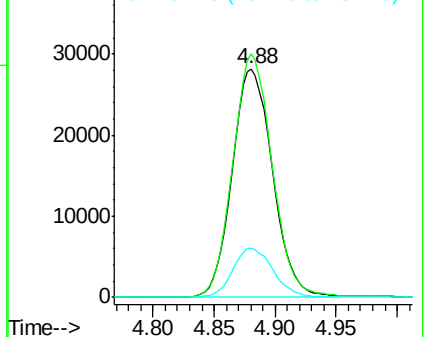
113 100

111 104.0 81.4 122.2

192 21.3 16.8 25.2



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



#36

1,1-Dichloropropene

Concen: 4.192 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

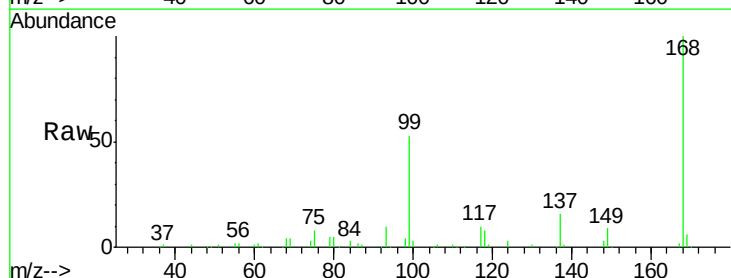
Tgt Ion: 75 Resp: 7995

Ion Ratio Lower Upper

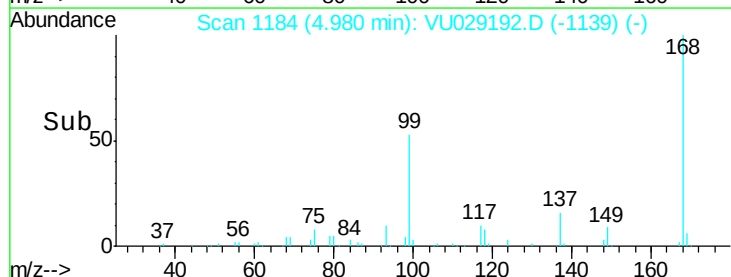
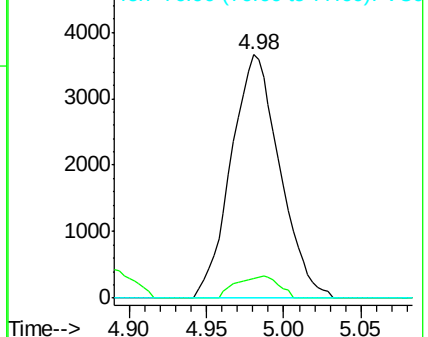
75 100

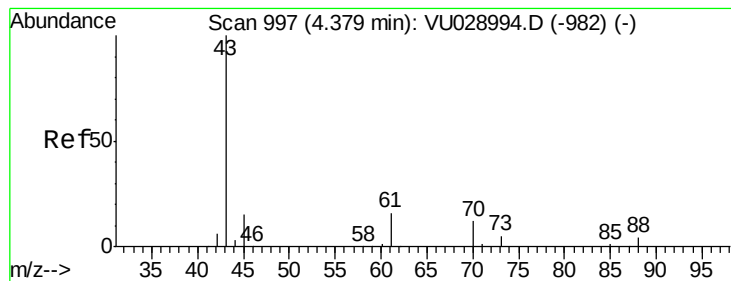
110 7.8 18.4 55.4#

77 0.0 25.1 37.7#



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





#37

Ethyl Acetate

Concen: 1.020 ug/l

RT: 4.28 min Scan# 967

Delta R.T. -0.10 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampled :

S-4

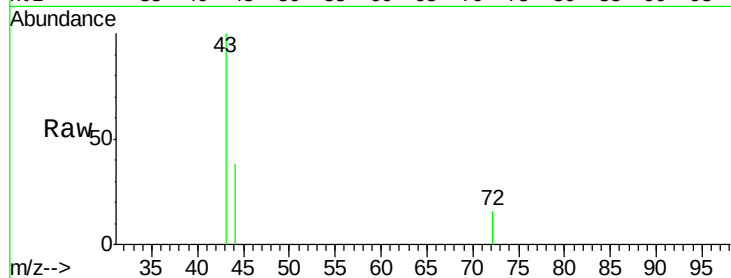
Tot Ion: 43 Resp: 2136

Ion Ratio Lower Upper

43 100

61 0.0 12.6 18.8#

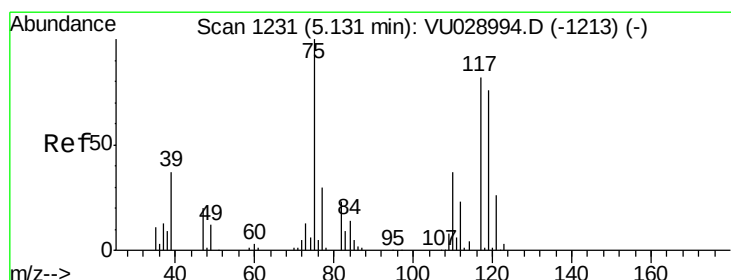
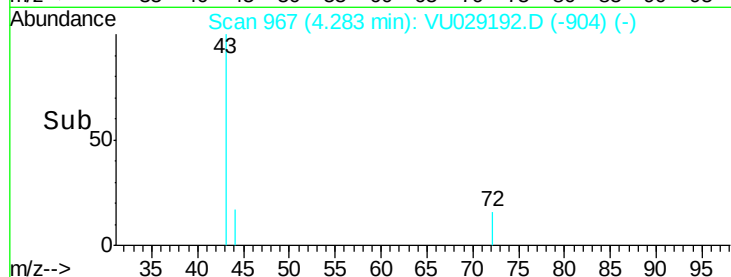
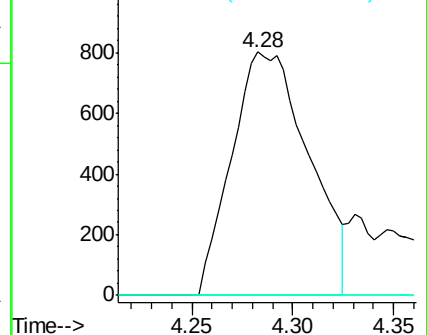
70 0.0 9.3 13.9#



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028994.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028994.D (-982) (-)



#38

Carbon Tetrachloride

Concen: 6.250 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

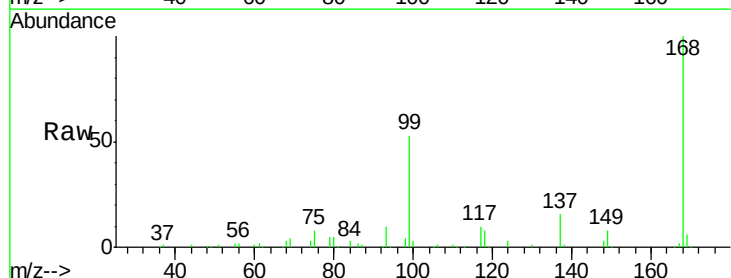
Tgt Ion: 117 Resp: 9941

Ion Ratio Lower Upper

117 100

119 4.9 74.6 111.8#

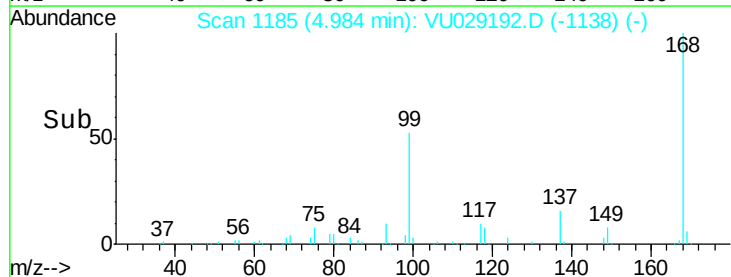
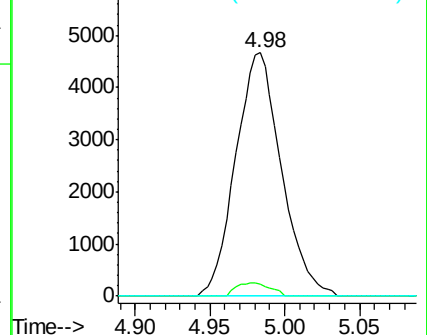
121 0.0 25.0 37.6#

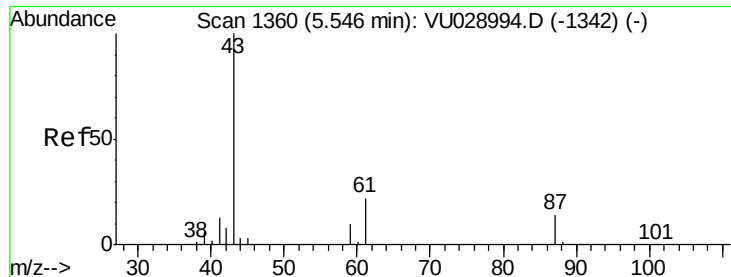


Abundance Ion 116.80 (116.50 to 117.50): VU028994.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU028994.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU028994.D (-1213) (-)





#43

Isopropyl Acetate

Concen: 2.328 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

S-4

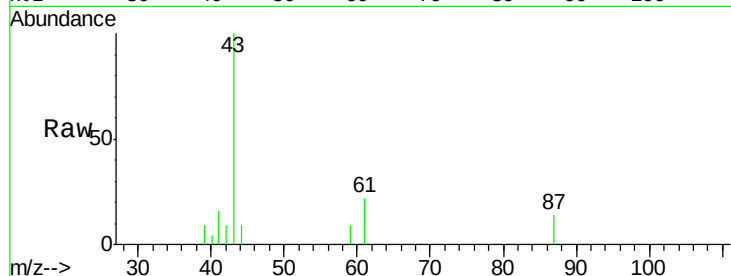
Tot Ion: 43 Resp: 7477

Ion Ratio Lower Upper

43 100

61 18.5 17.8 26.6

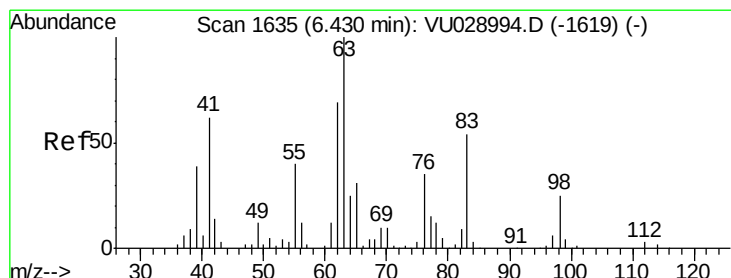
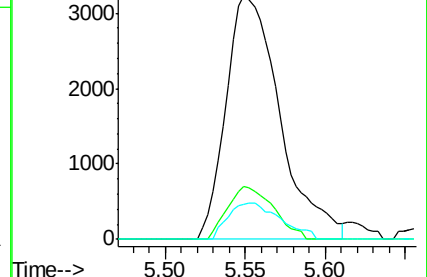
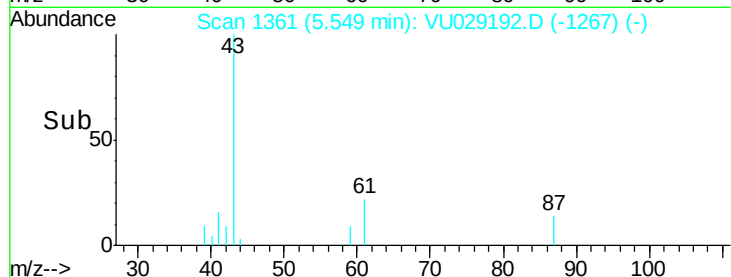
87 14.4 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU029192.D (-1267) (-)

Ion 61.00 (60.70 to 61.70): VU029192.D (-1267) (-)

Ion 87.00 (86.70 to 87.70): VU029192.D (-1267) (-)



#45

1,2-Dichloropropane

Concen: 0.322 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.27 min

Lab File: VU029192.D

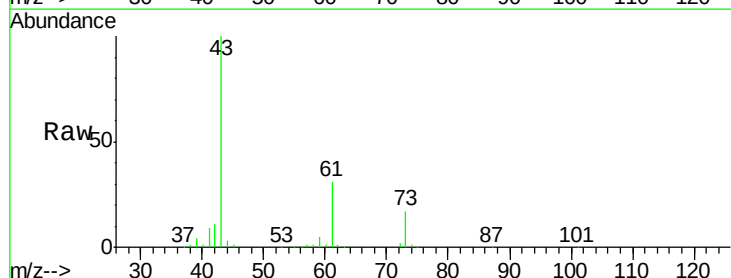
Acq: 15 Jan 2019 17:57

Tgt Ion: 63 Resp: 506

Ion Ratio Lower Upper

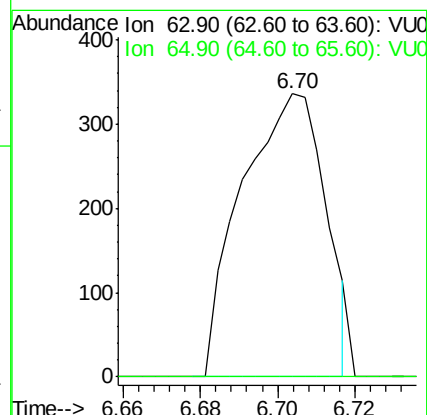
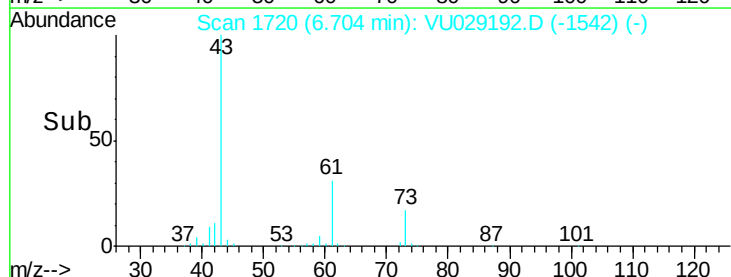
63 100

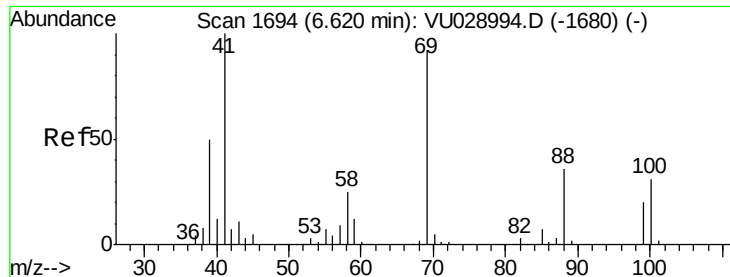
65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VU029192.D (-1542) (-)

Ion 64.90 (64.60 to 65.60): VU029192.D (-1542) (-)





#48

Methvl methacrylate

Concen: 29.682 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.08 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

S-4

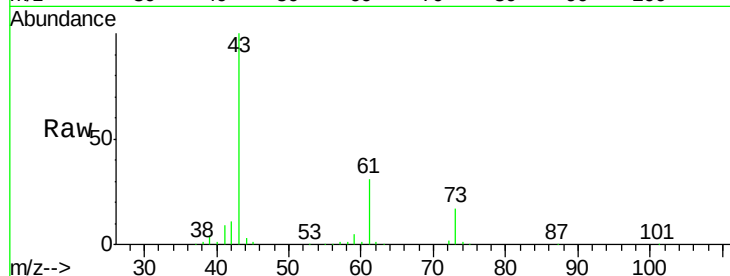
Tot Ion: 41 Resp: 46411

Ion Ratio Lower Upper

41 100

69 0.0 73.6 110.4#

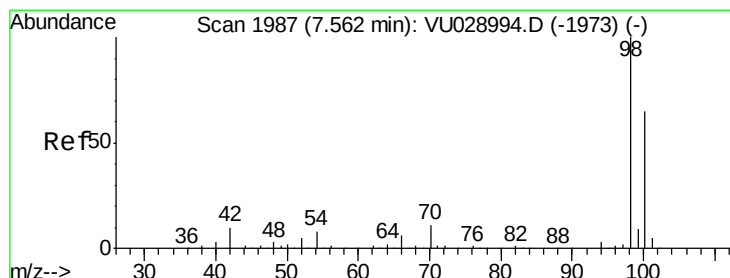
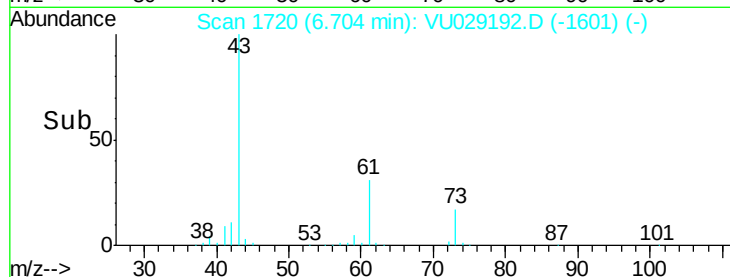
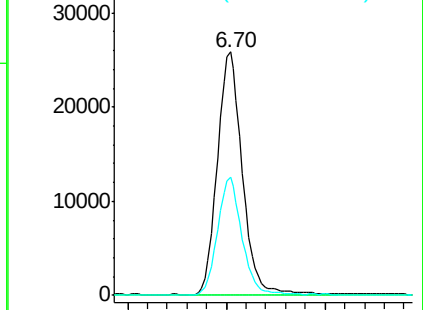
39 47.1 39.6 59.4



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#50

Toluene-d8

Concen: 52.169 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029192.D

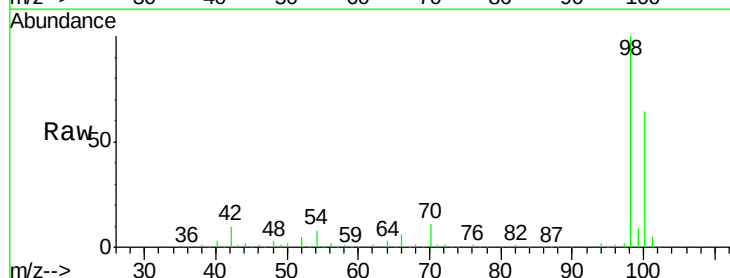
Acq: 15 Jan 2019 17:57

Tgt Ion: 98 Resp: 254724

Ion Ratio Lower Upper

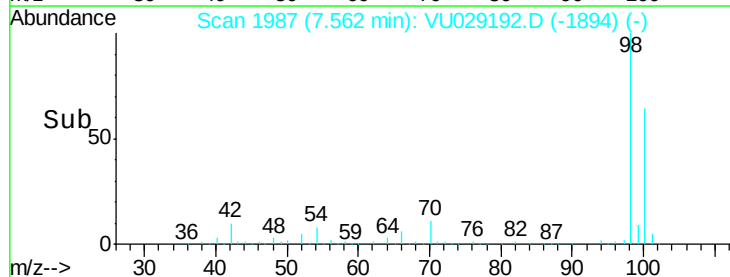
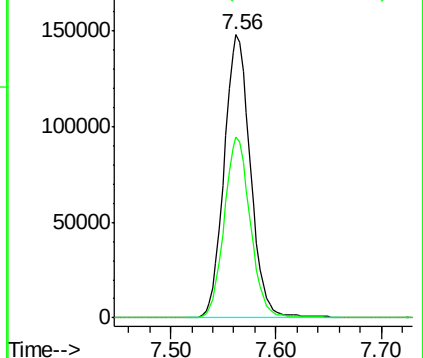
98 100

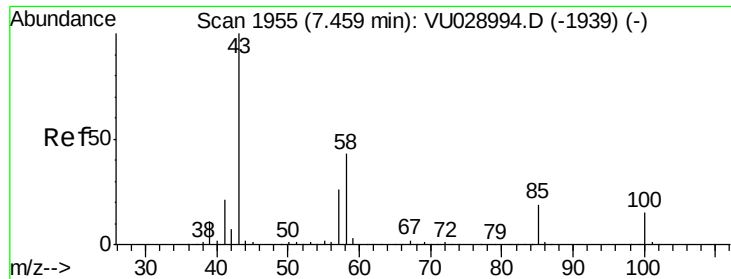
100 63.4 51.6 77.4



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: 15.467 ug/l

RT: 7.42 min Scan# 1942

Delta R.T. -0.04 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampled :

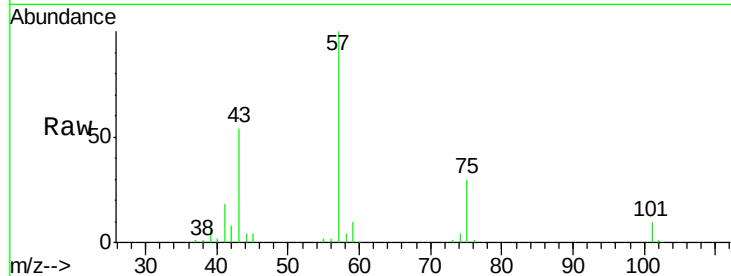
S-4

Tot Ion: 43 Resp: 33800

Ion Ratio Lower Upper

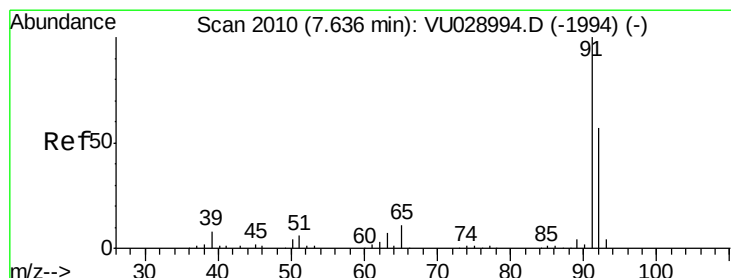
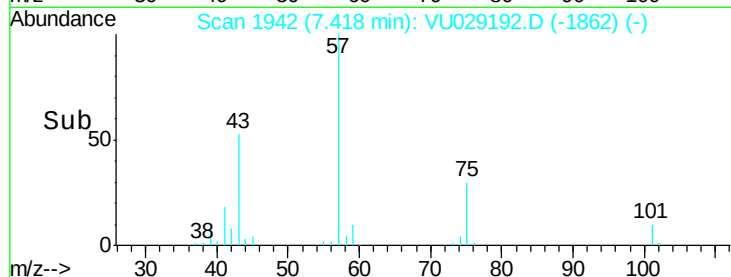
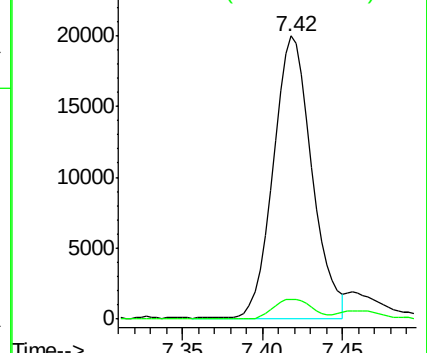
43 100

58 7.0 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 0.849 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029192.D

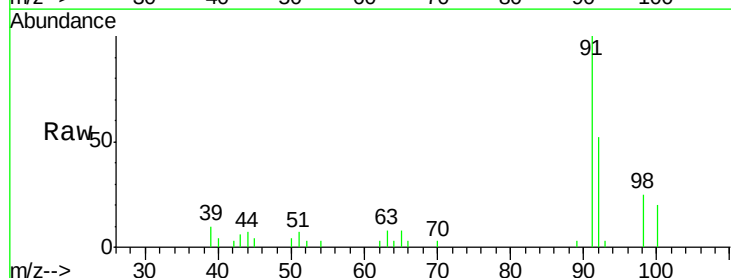
Acq: 15 Jan 2019 17:57

Tgt Ion: 92 Resp: 3076

Ion Ratio Lower Upper

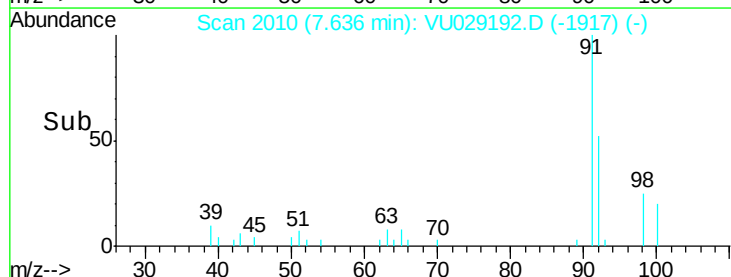
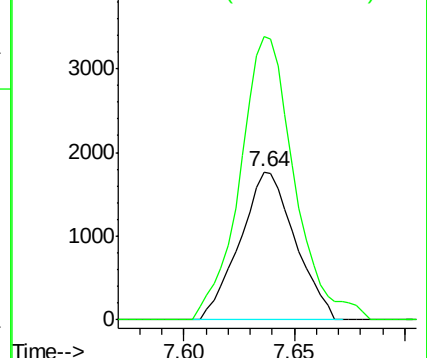
92 100

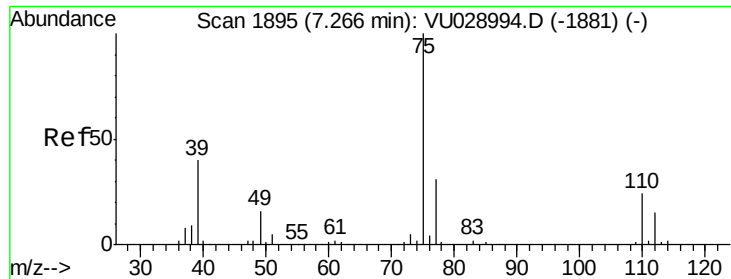
91 188.8 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

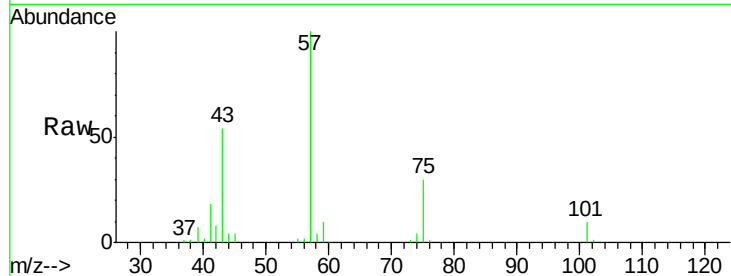




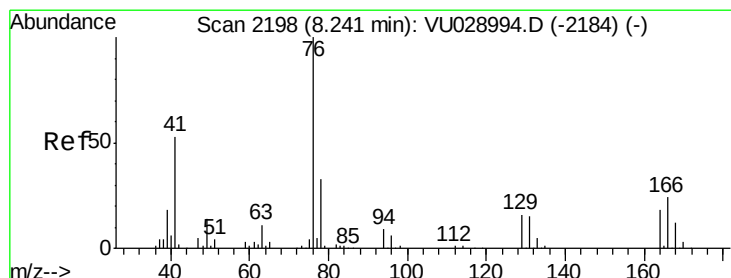
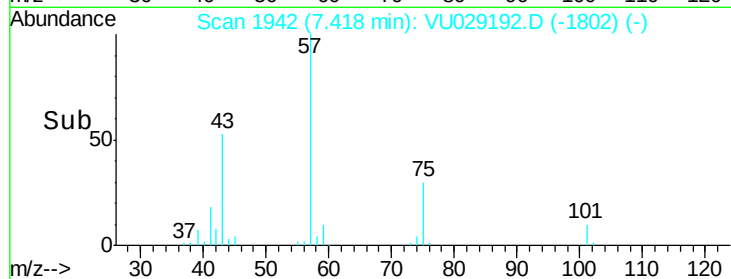
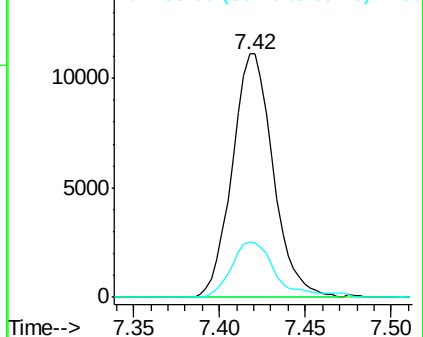
#54
 cis-1,3-Dichloropropene
 Concen: 7.684 ug/l
 RT: 7.42 min Scan# 1942
 Delta R.T. 0.15 min
 Lab File: VU029192.D
 Acq: 15 Jan 2019 17:57

Instrument :
 MSVOA_U
 ClientSampled :
 S-4

Tot Ion: 75 Resp: 18442
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 22.9 32.2 48.4#

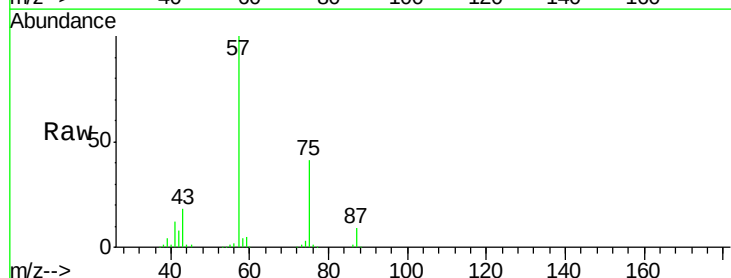


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0
 Ion 39.00 (38.70 to 39.70): VU0

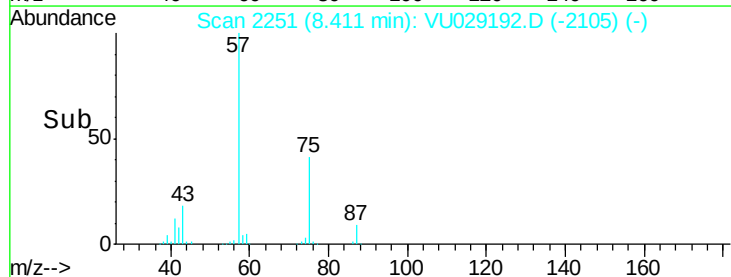
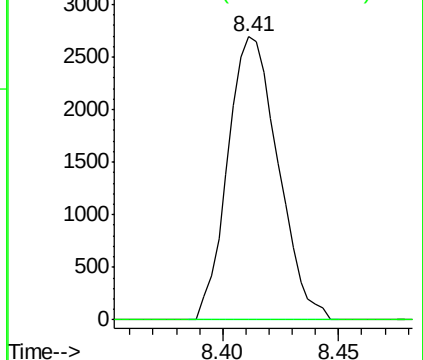


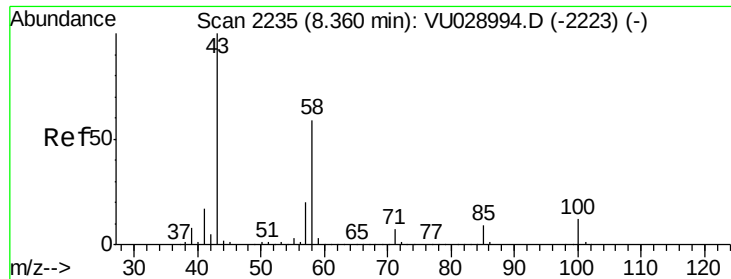
#57
 1,3-Dichloropropane
 Concen: 1.633 ug/l
 RT: 8.41 min Scan# 2251
 Delta R.T. 0.17 min
 Lab File: VU029192.D
 Acq: 15 Jan 2019 17:57

Tgt Ion: 76 Resp: 4053
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#



Abundance Ion 75.90 (75.60 to 76.60): VU0
 Ion 77.90 (77.60 to 78.60): VU0

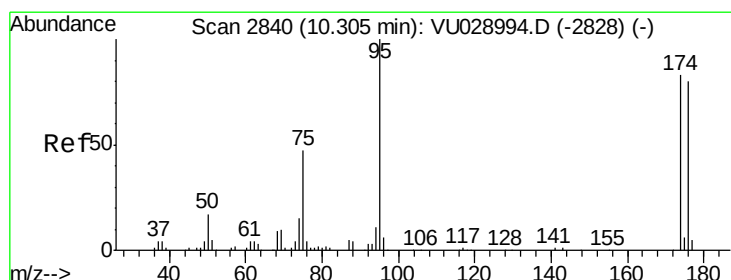
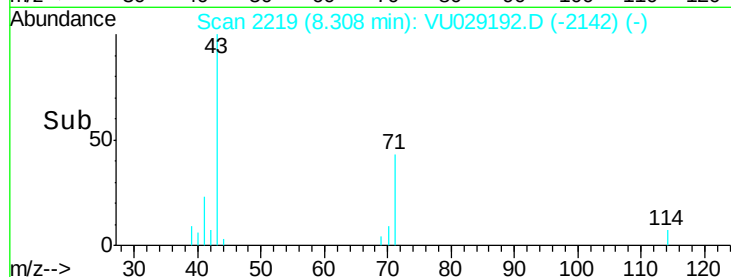
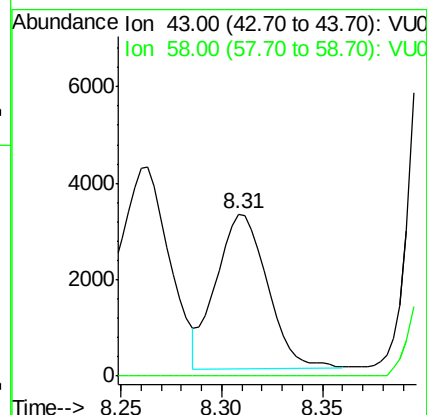
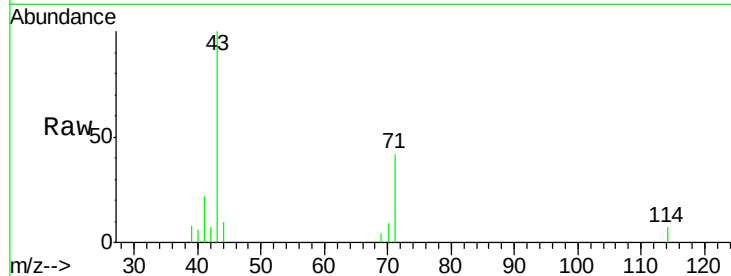




#59
2-Hexanone
Concen: 3.326 ug/l
RT: 8.31 min Scan# 2219
Delta R.T. -0.05 min
Lab File: VU029192.D
Acq: 15 Jan 2019 17:57

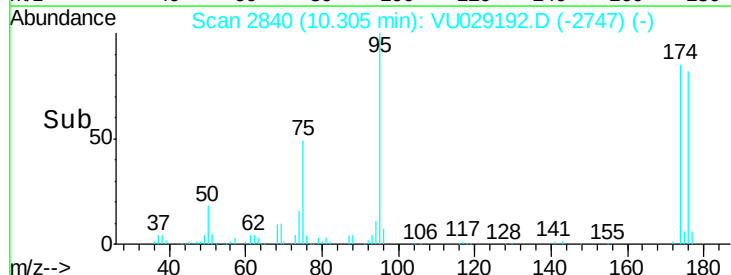
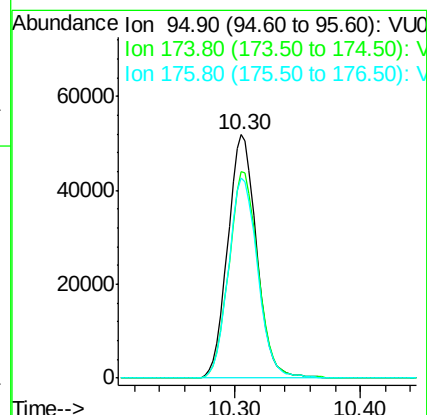
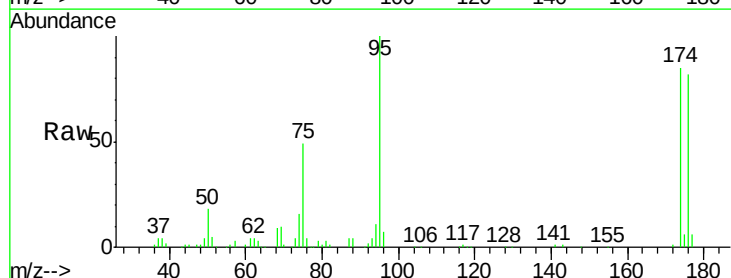
Instrument :
MSVOA_U
ClientSampleId :
S-4

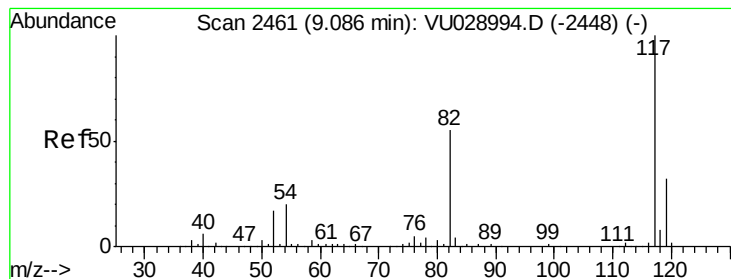
Tot Ion: 43 Resp: 5705
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.4#



#62
4-Bromofluorobenzene
Concen: 47.067 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029192.D
Acq: 15 Jan 2019 17:57

Tgt Ion: 95 Resp: 82589
Ion Ratio Lower Upper
95 100
174 86.1 0.0 170.6
176 83.4 0.0 165.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampled :

S-4

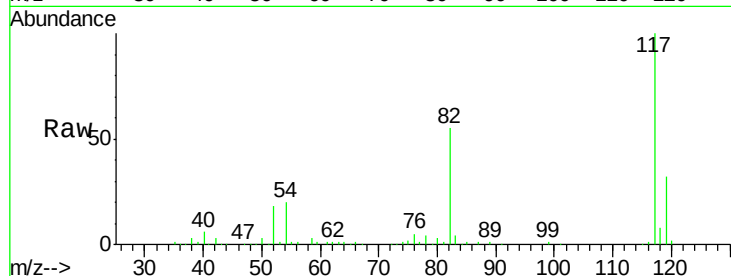
Tot Ion:117 Resp: 183559

Ion Ratio Lower Upper

117 100

82 54.8 43.9 65.9

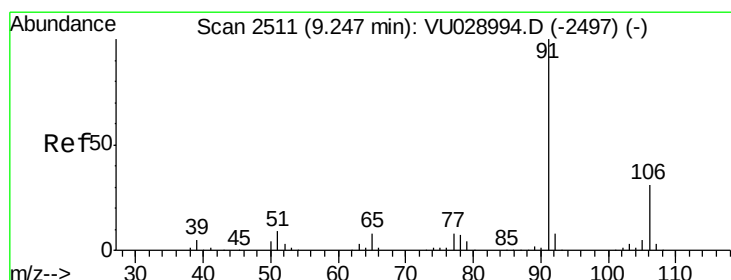
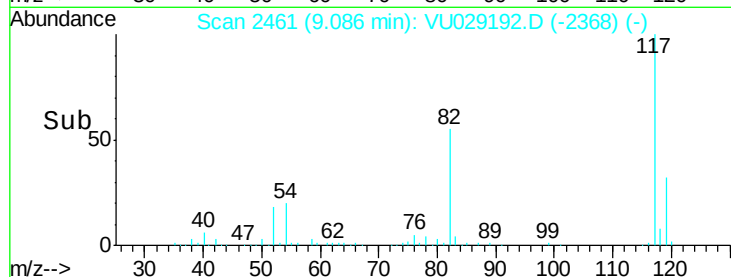
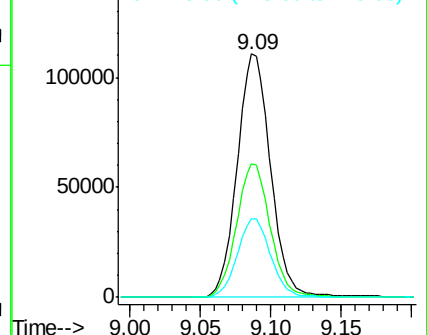
119 32.2 26.0 39.0



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



#67

Ethyl Benzene

Concen: 99.293 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029192.D

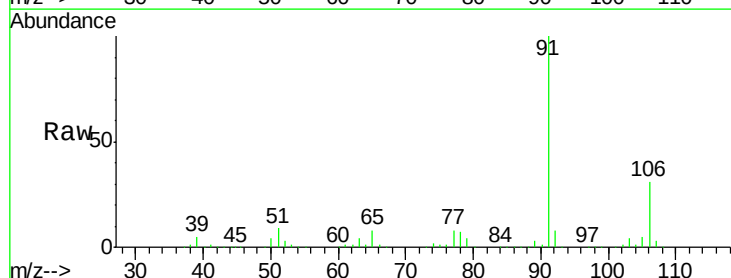
Acq: 15 Jan 2019 17:57

Tgt Ion: 91 Resp: 682091

Ion Ratio Lower Upper

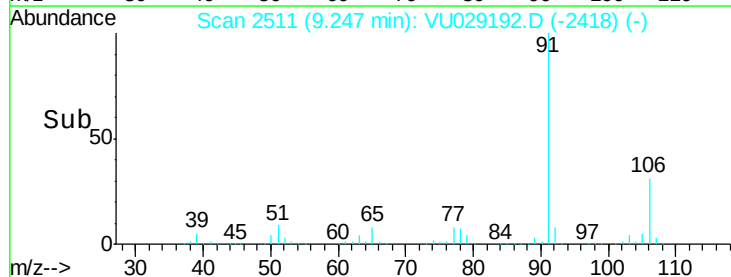
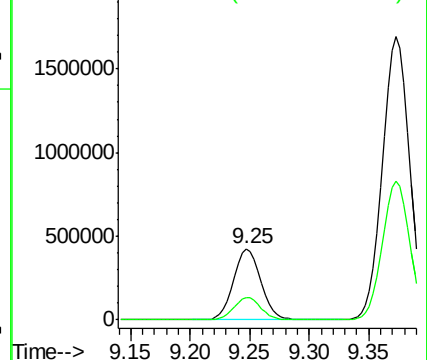
91 100

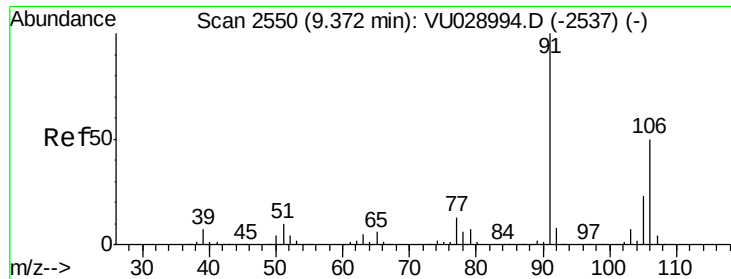
106 31.3 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

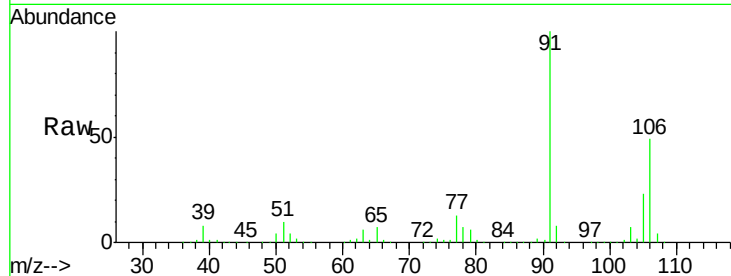




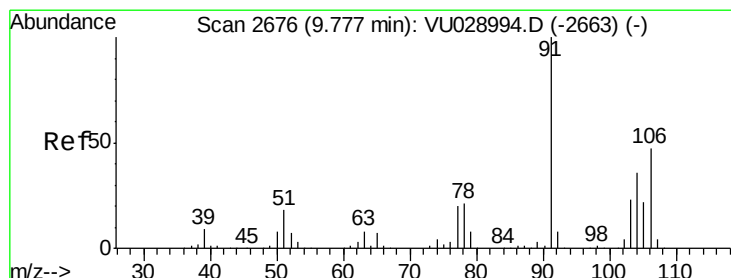
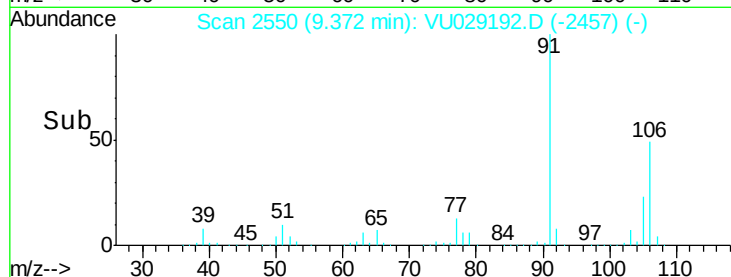
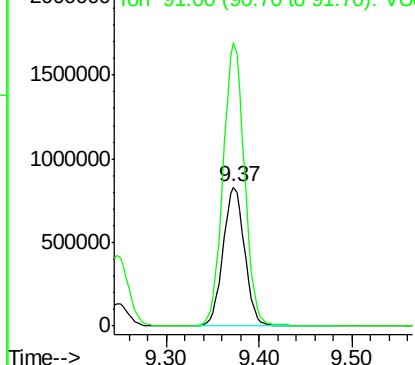
#68
m/p-Xylenes
Concen: 501.092 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029192.D
Acq: 15 Jan 2019 17:57

Instrument :
MSVOA_U
ClientSampleId :
S-4

Tot Ion:106 Resp: 1337474
Ion Ratio Lower Upper
106 100
91 202.4 161.7 242.5

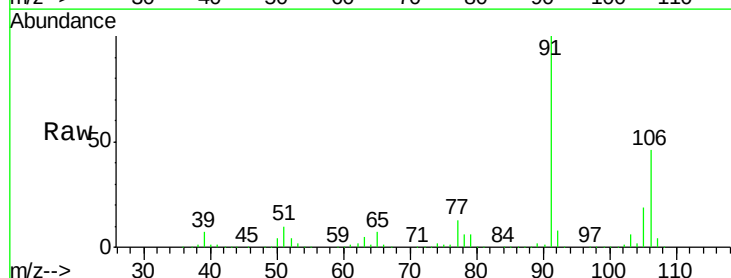


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

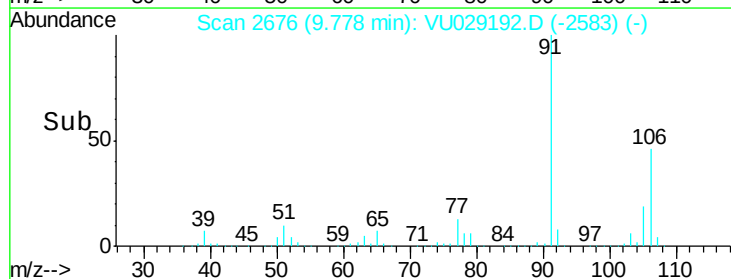
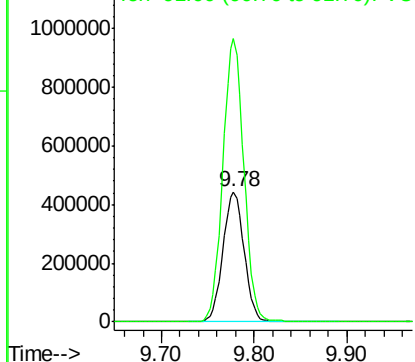


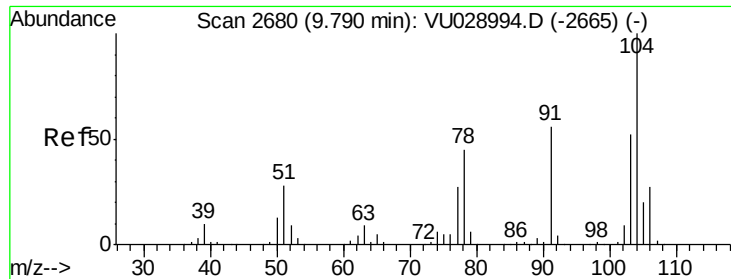
#69
o-Xylene
Concen: 273.384 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029192.D
Acq: 15 Jan 2019 17:57

Tgt Ion:106 Resp: 703088
Ion Ratio Lower Upper
106 100
91 215.4 106.1 318.3



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

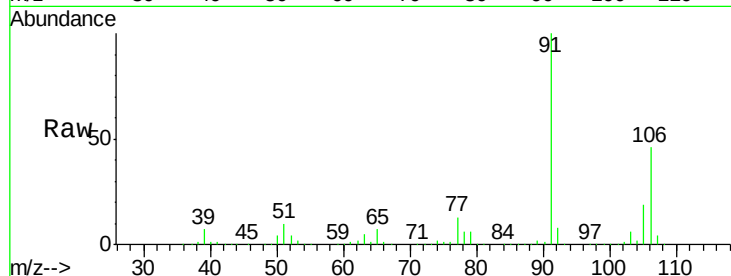




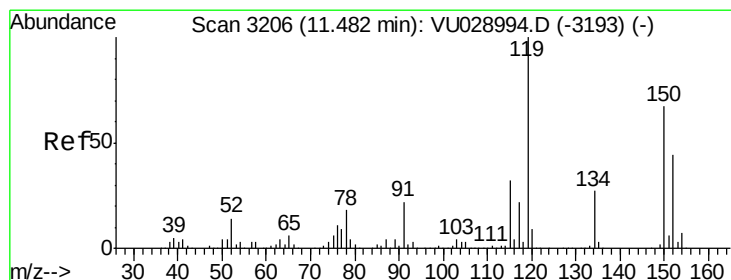
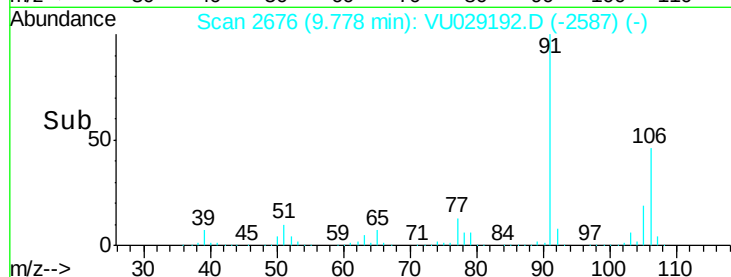
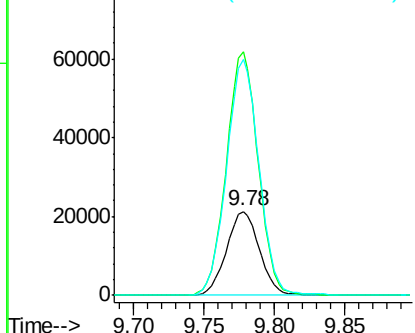
#70
Stvrene
Concen: 8.284 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.01 min
Lab File: VU029192.D
Acq: 15 Jan 2019 17:57

Instrument :
MSVOA_U
ClientSampled :
S-4

Tot Ion:104 Resp: 34926
Ion Ratio Lower Upper
104 100
78 279.3 38.6 58.0#
103 275.2 44.5 66.7#

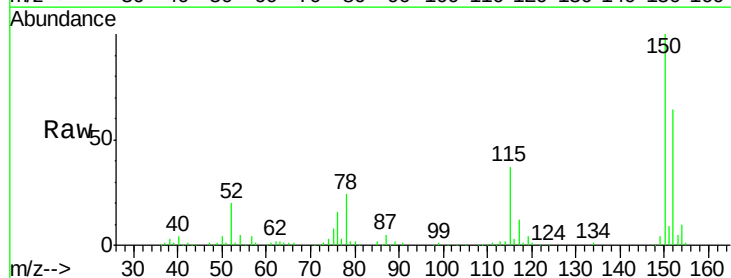


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

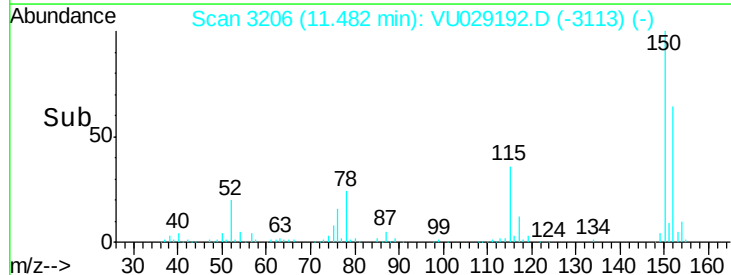
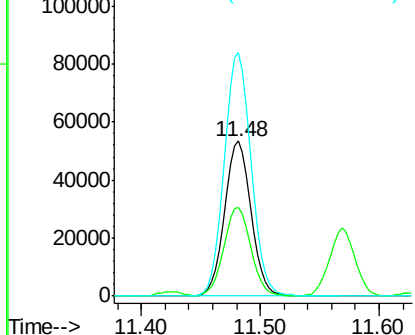


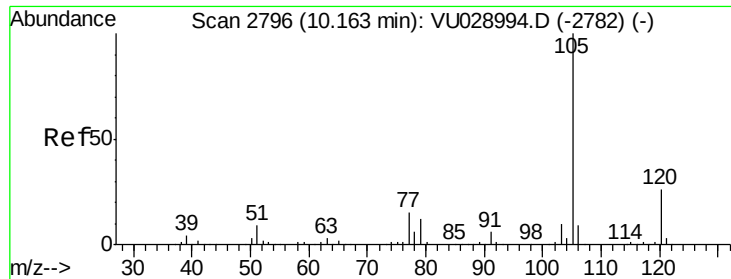
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029192.D
Acq: 15 Jan 2019 17:57

Tgt Ion:152 Resp: 82711
Ion Ratio Lower Upper
152 100
115 57.8 40.1 120.3
150 159.0 0.0 345.2



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: 3.270 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

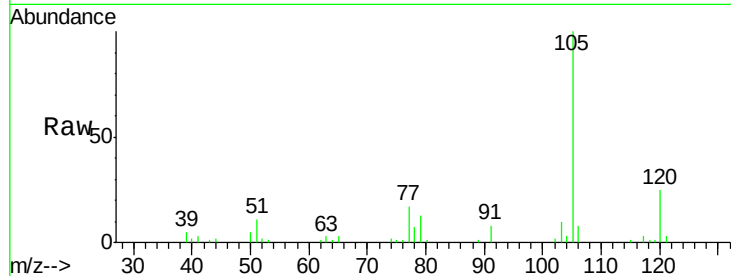
S-4

Tot Ion:105 Resp: 20021

Ion Ratio Lower Upper

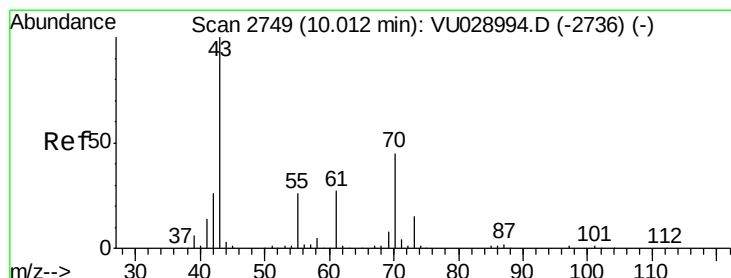
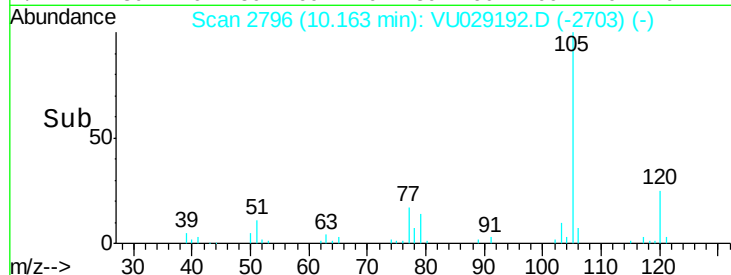
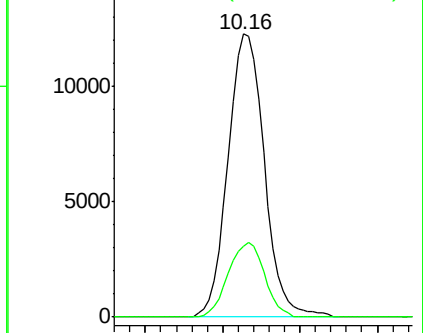
105 100

120 26.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.467 ug/l

RT: 9.99 min Scan# 2742

Delta R.T. -0.02 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Tgt Ion: 43 Resp: 1233

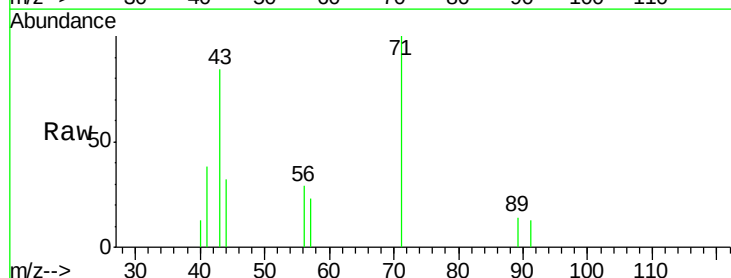
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 0.0 20.5 30.7#

61 0.0 21.8 32.8#

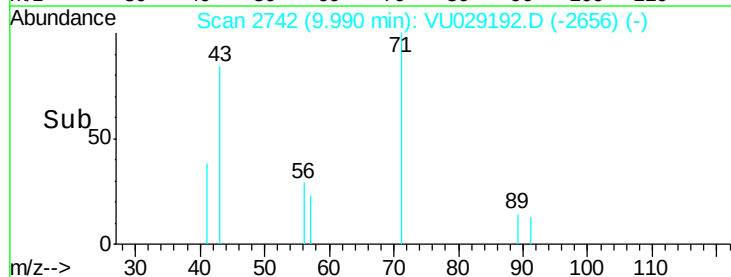
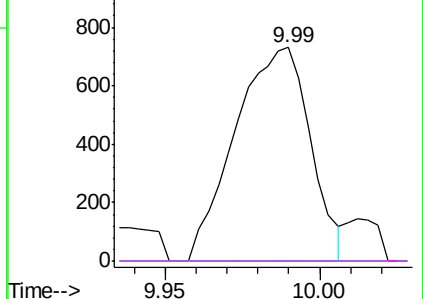


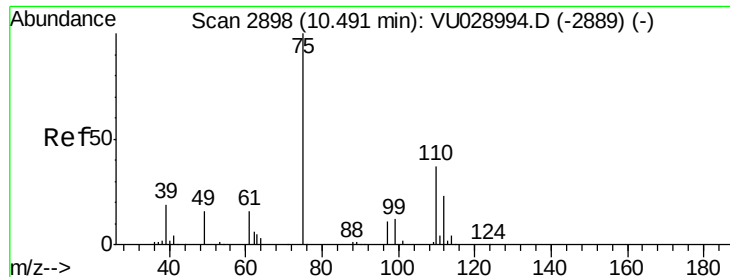
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#76

1,2,3-Trichloropropane

Concen: 19.836 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampled :

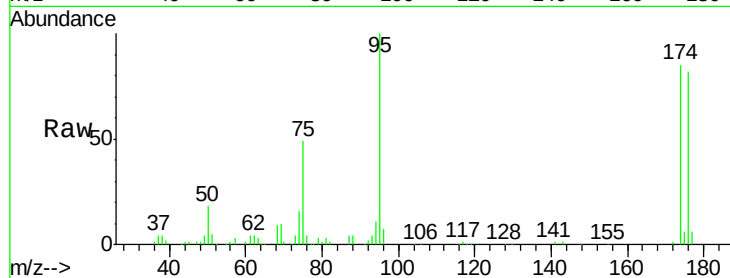
S-4

Tot Ion: 75 Resp: 40199

Ion Ratio Lower Upper

75 100

77 0.0 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.30

25000

20000

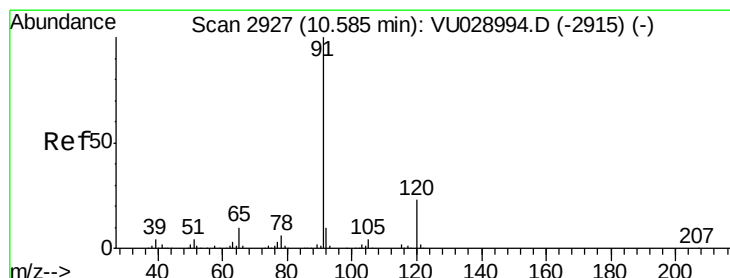
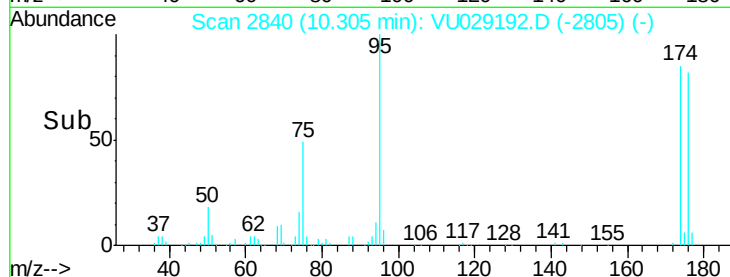
15000

10000

5000

0

Time-->



#78

n-propylbenzene

Concen: 15.400 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029192.D

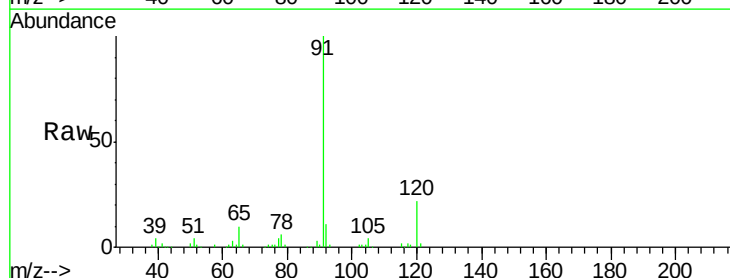
Acq: 15 Jan 2019 17:57

Tgt Ion: 91 Resp: 111105

Ion Ratio Lower Upper

91 100

120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

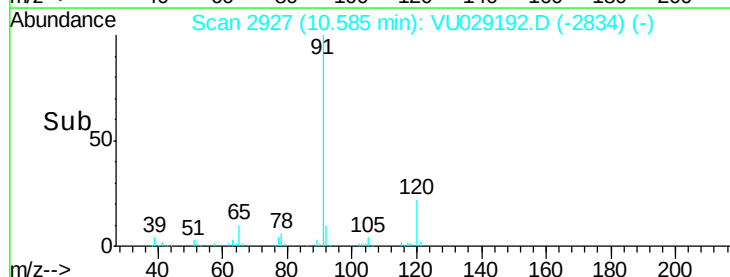
150000

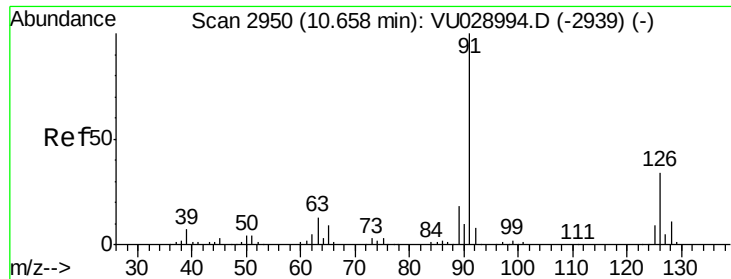
100000

50000

0

Time-->





#79

2-Chlorotoluene

Concen: 28.167 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.02 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

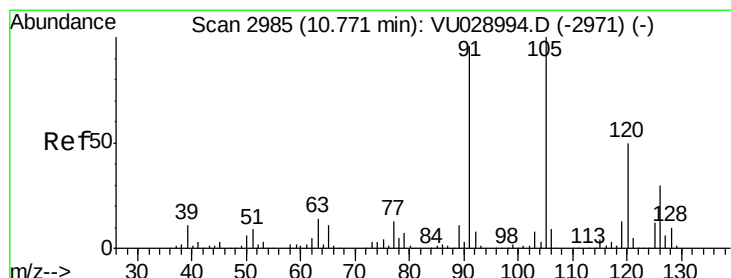
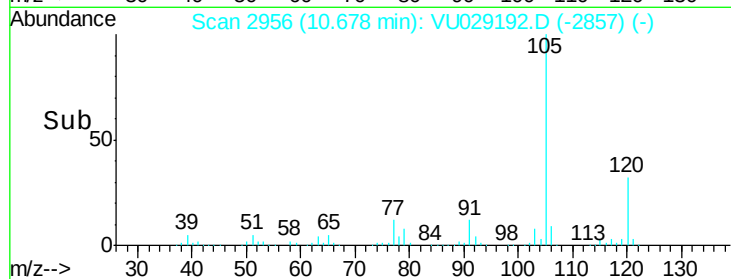
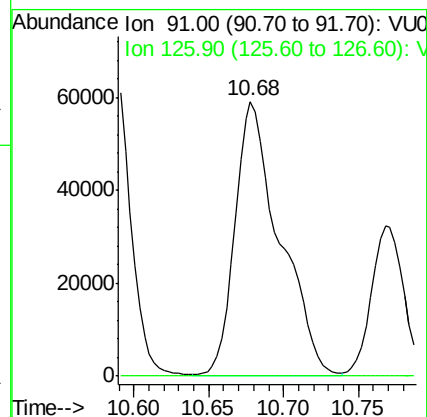
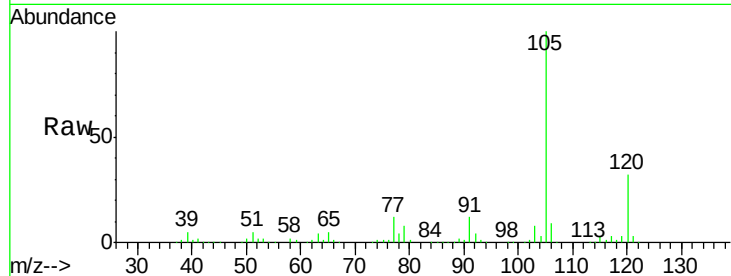
S-4

Tot Ion: 91 Resp: 123274

Ion Ratio Lower Upper

91 100

126 0.0 16.8 50.4#



#80

1,3,5-Trimethylbenzene

Concen: 95.658 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029192.D

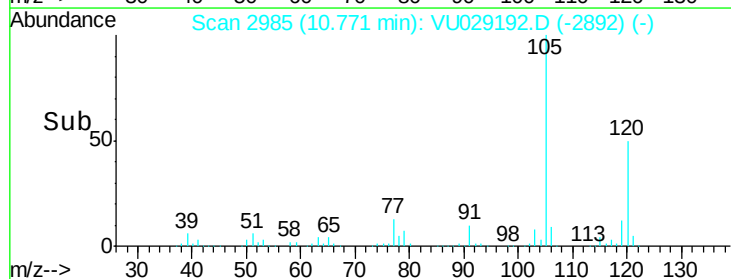
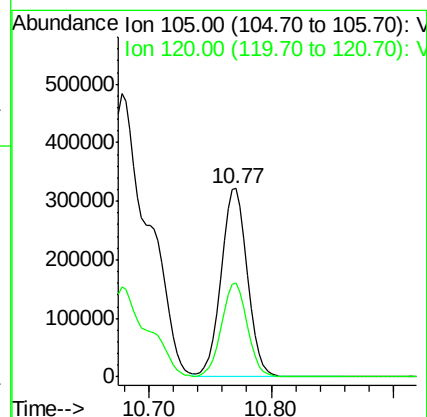
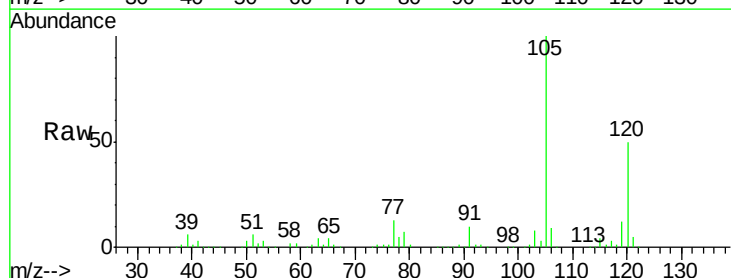
Acq: 15 Jan 2019 17:57

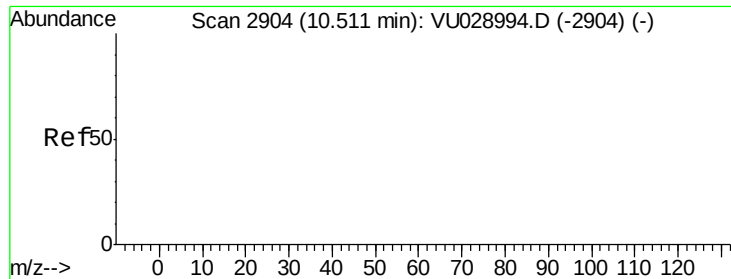
Tgt Ion: 105 Resp: 489044

Ion Ratio Lower Upper

105 100

120 49.0 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 9.893 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.17 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

S-4

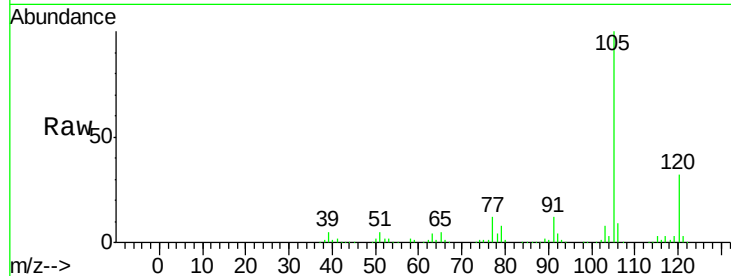
Tot Ion: 75 Resp: 7774

Ion Ratio Lower Upper

75 100

53 235.5 0.0 0.0#

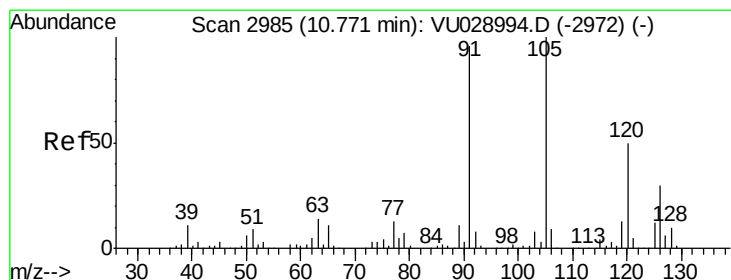
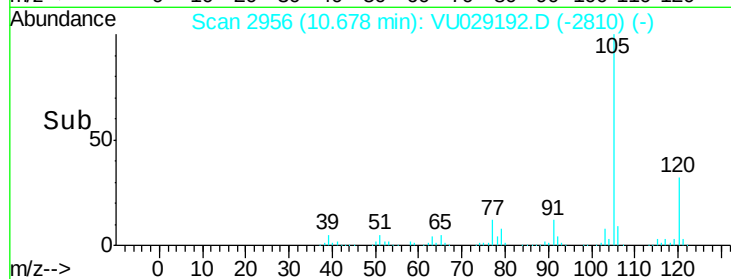
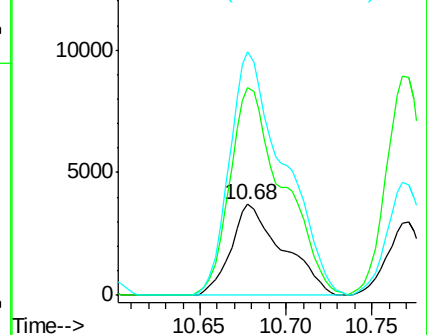
89 281.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 9.704 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029192.D

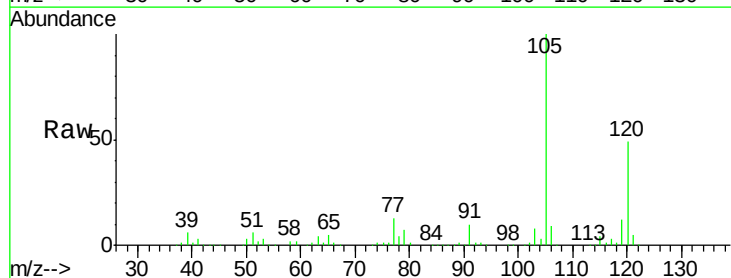
Acq: 15 Jan 2019 17:57

Tgt Ion: 91 Resp: 48699

Ion Ratio Lower Upper

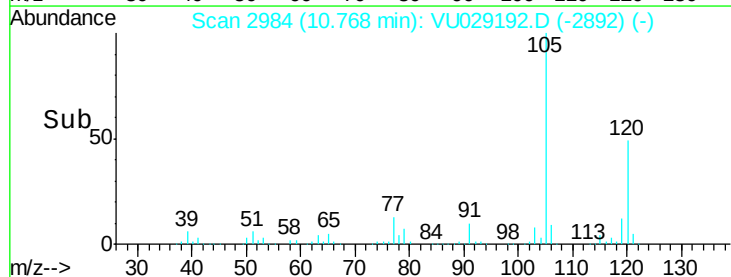
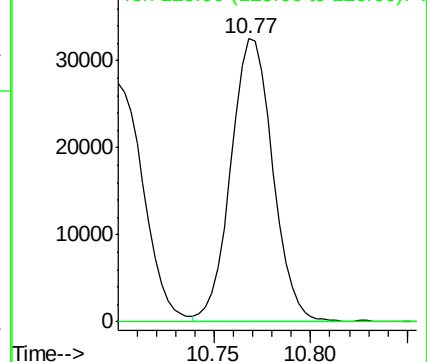
91 100

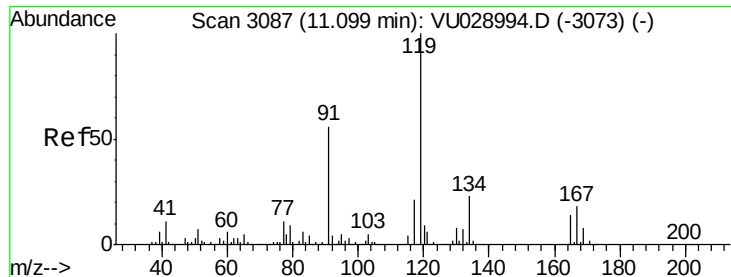
126 0.0 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

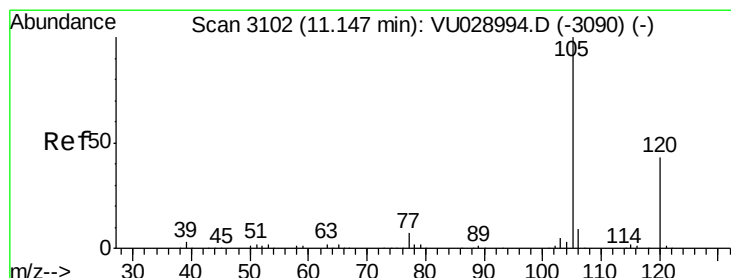
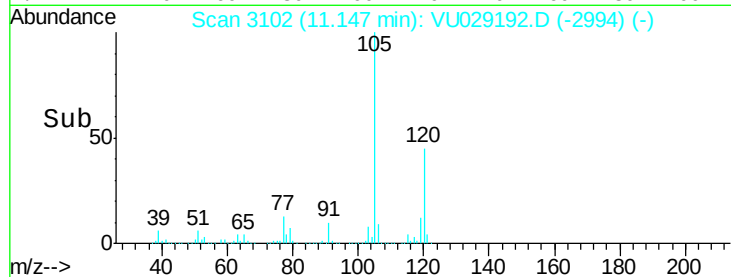
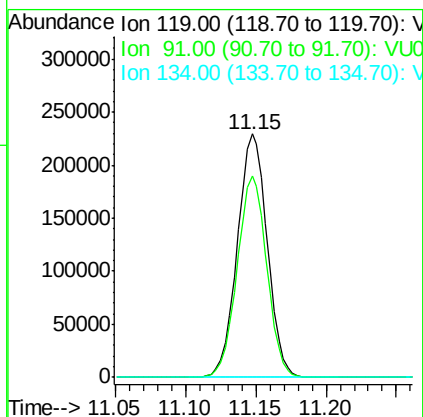
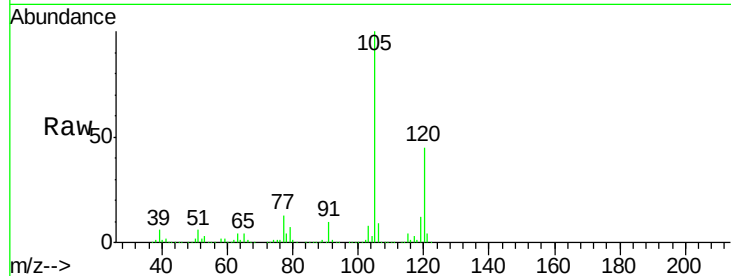




#83
 tert-Butylbenzene
 Concen: 67.526 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.05 min
 Lab File: VU029192.D
 Acq: 15 Jan 2019 17:57

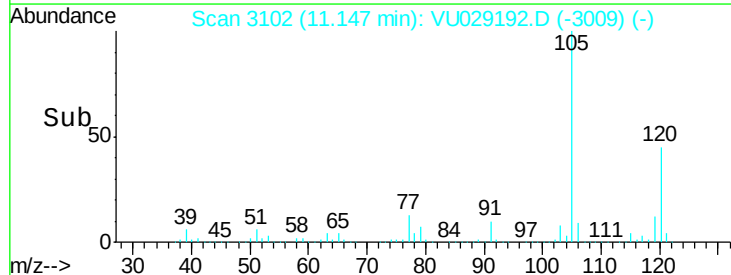
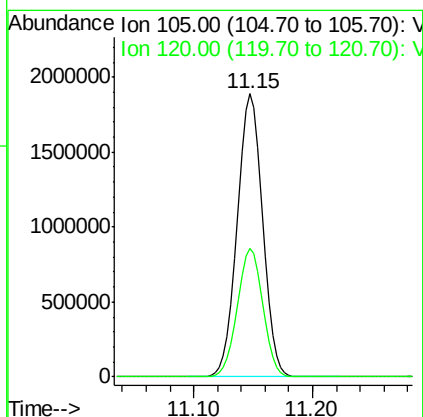
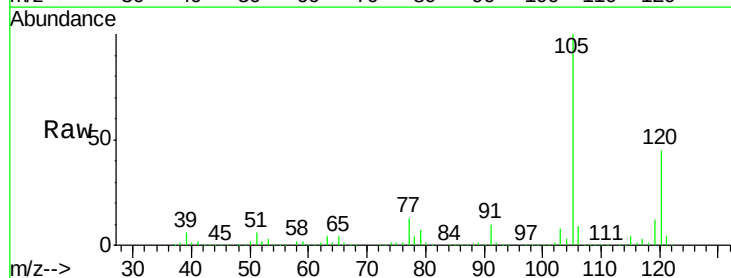
Instrument :
 MSVOA_U
 ClientSampleId :
 S-4

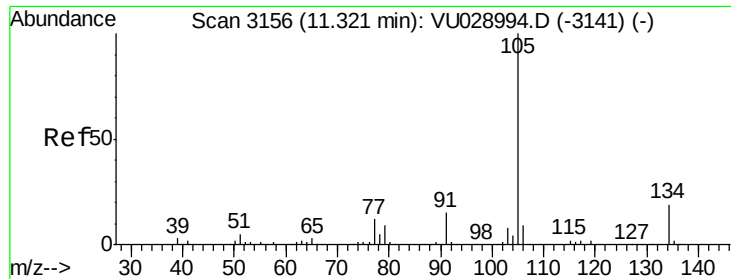
Tot Ion:119 Resp: 340259
 Ion Ratio Lower Upper
 119 100
 91 82.1 28.2 84.6
 134 0.0 11.3 33.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 546.118 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029192.D
 Acq: 15 Jan 2019 17:57

Tgt Ion:105 Resp: 2787503
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.1 69.3





#85

sec-Butylbenzene

Concen: 457.413 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.17 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampled :

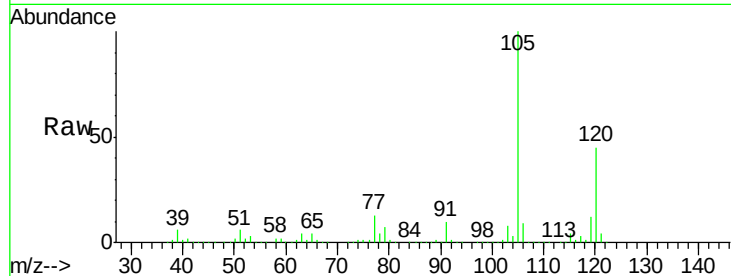
S-4

Tot Ion:105 Resp: 2787503

Ion Ratio Lower Upper

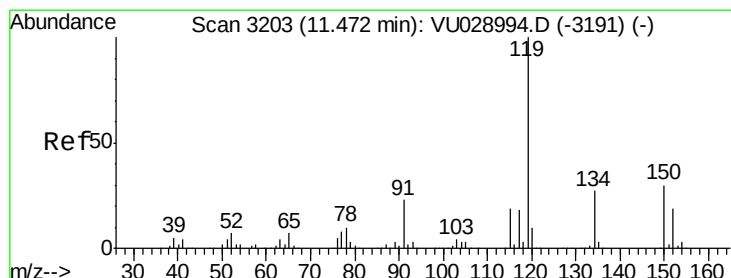
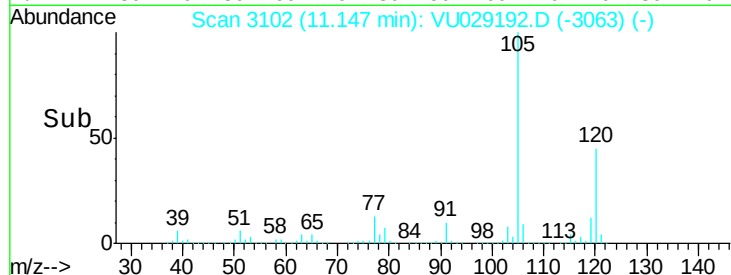
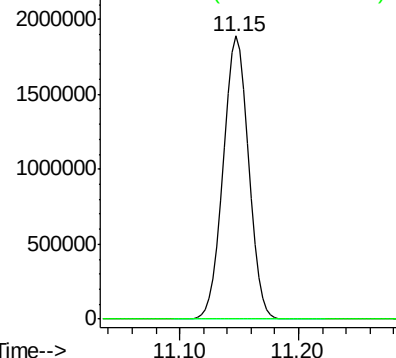
105 100

134 0.0 9.7 29.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.076 ug/l

RT: 11.42 min Scan# 3188

Delta R.T. -0.05 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

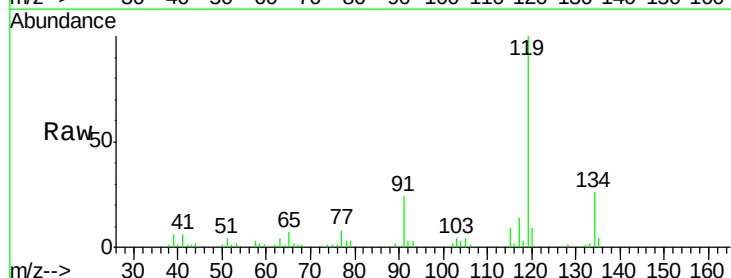
Tgt Ion:119 Resp: 26358

Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.4

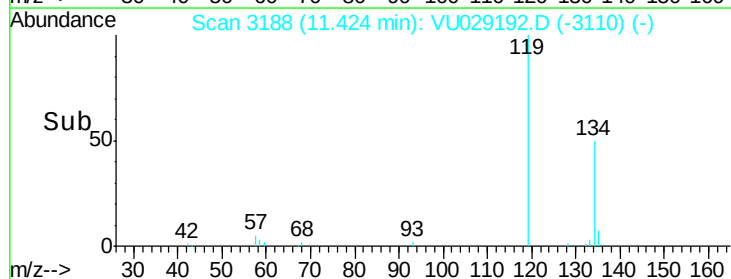
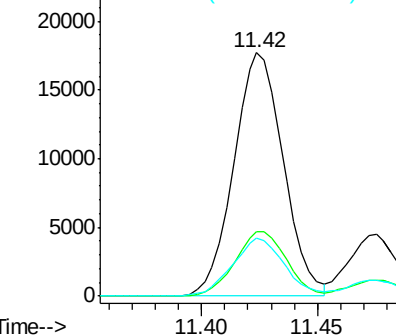
91 24.8 11.3 33.8

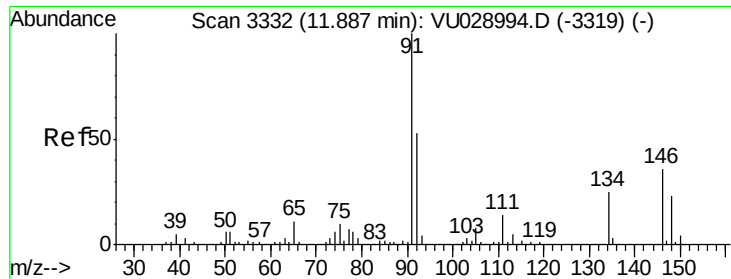


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#89

n-Butylbenzene

Concen: 5.561 ug/l

RT: 11.87 min Scan# 3328

Delta R.T. -0.01 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampleId :

S-4

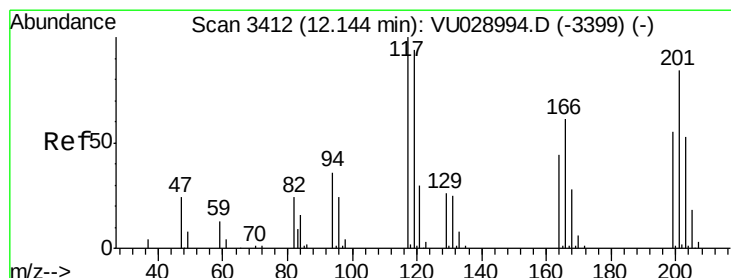
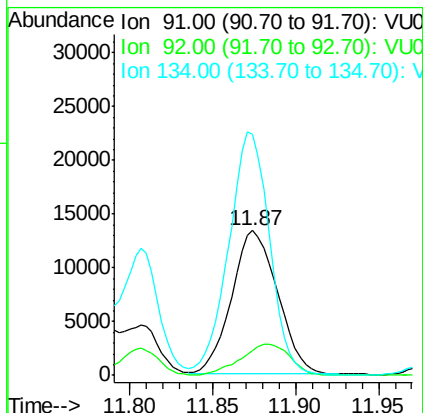
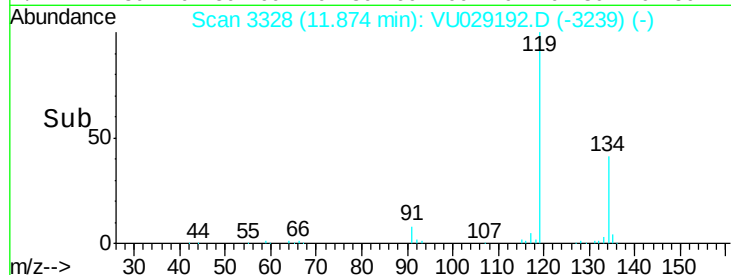
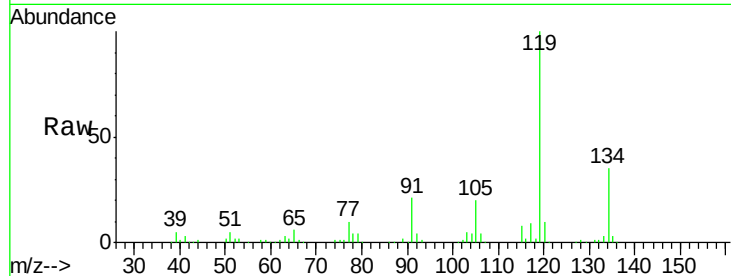
Tot Ion: 91 Resp: 25776

Ion Ratio Lower Upper

91 100

92 23.2 26.2 78.5#

134 150.8 12.6 37.6#



#90

Hexachloroethane

Concen: 7.098 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU029192.D

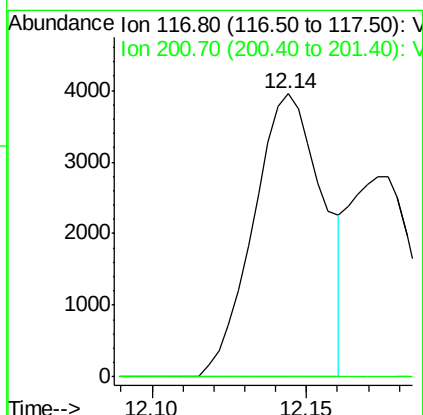
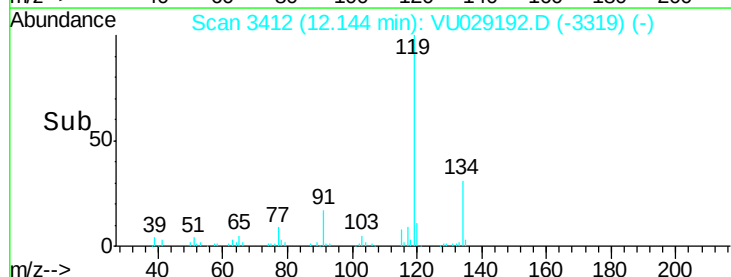
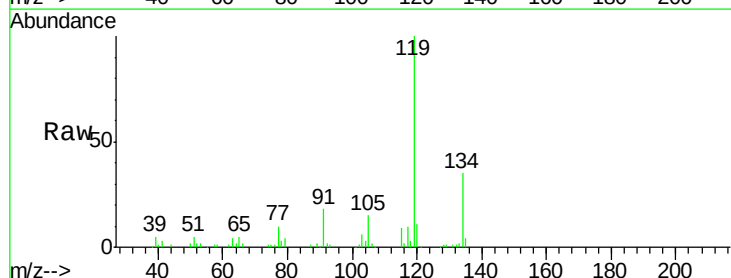
Acq: 15 Jan 2019 17:57

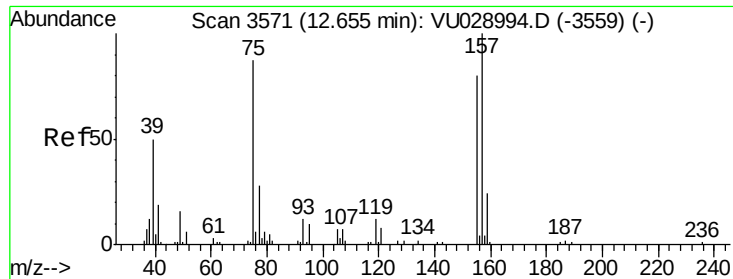
Tgt Ion: 117 Resp: 6201

Ion Ratio Lower Upper

117 100

201 0.0 42.4 127.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.214 ug/l

RT: 12.65 min Scan# 3568

Delta R.T. -0.01 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

Instrument :

MSVOA_U

ClientSampled :

S-4

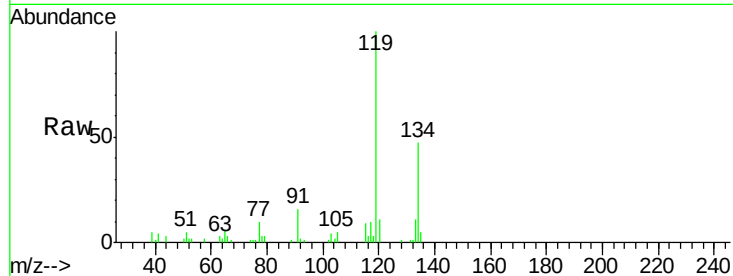
Tot Ion: 75 Resp: 101

Ion Ratio Lower Upper

75 100

155 0.0 46.3 138.8#

157 0.0 57.4 172.0#

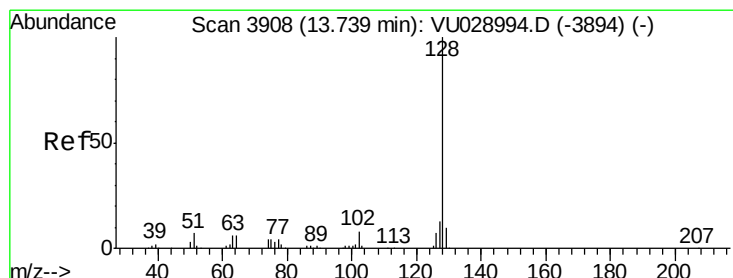
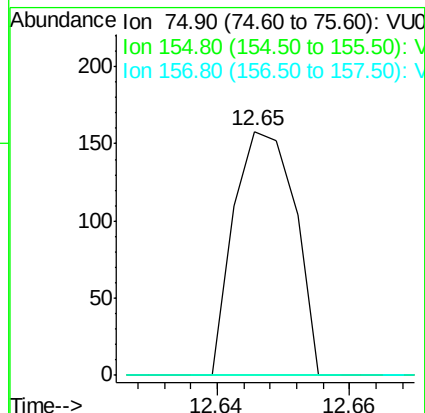
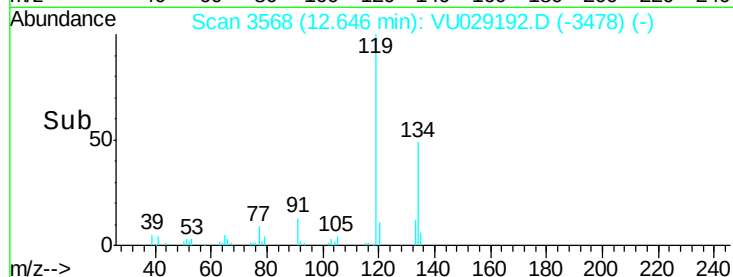


Abundance Ion 74.90 (74.60 to 75.60): VU028994.D (-3559) (-)

Ion 154.80 (154.50 to 155.50): VU028994.D (-3559) (-)

Ion 156.80 (156.50 to 157.50): VU028994.D (-3559) (-)

Time-->



#95

Naphthalene

Concen: 5.089 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU029192.D

Acq: 15 Jan 2019 17:57

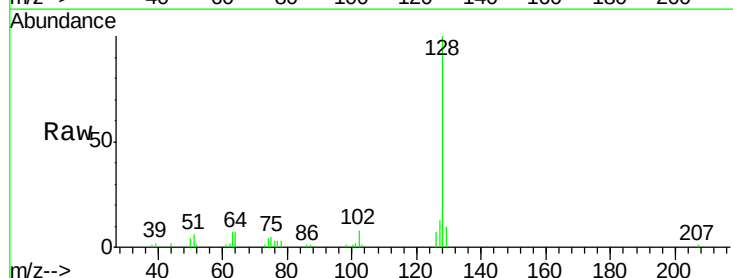
Tgt Ion: 128 Resp: 32573

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

129 10.0 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): VU028994.D (-3894) (-)

Ion 127.00 (126.70 to 127.70): VU028994.D (-3894) (-)

Ion 129.00 (128.70 to 129.70): VU028994.D (-3894) (-)

Time-->

