

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027272.D
 Acq On : 28 Sep 2018 15:28
 Operator : MD/SY
 Sample : J5041-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0251

Quant Time: Sep 28 16:20:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	115284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	191022	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	183137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	95446	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	104878	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	
35) Dibromofluoromethane	4.89	113	76161	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	
50) Toluene-d8	7.57	98	322104	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	10.31	95	107753	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	994	0.383	ug/l	99
6) Chloroethane	1.69	64	609	0.393	ug/l #	43
11) Tert butyl alcohol	2.83	59	304	0.572	ug/l #	72
13) Acrolein	2.31	56	11539	40.249	ug/l #	71
14) Allyl chloride	2.71	41	47681	14.764	ug/l #	57
15) Acrylonitrile	3.00	53	13286	9.912	ug/l #	37
16) Acetone	2.31	43	39439	16.504	ug/l #	55
18) Methyl Acetate	2.71	43	122306	37.034	ug/l #	55
20) Methylene Chloride	2.70	84	679	0.327	ug/l #	1
25) 2-Butanone	4.23	43	3887	1.993	ug/l #	53
26) 2,2-Dichloropropane	4.10	77	7872	2.653	ug/l #	55
29) Tetrahydrofuran	4.73	42	1719	1.457	ug/l #	1
31) Cyclohexane	5.00	56	1078337	314.862	ug/l	98
36) 1,1-Dichloropropene	4.99	75	11612	4.555	ug/l #	12
37) Ethyl Acetate	4.27	43	2052	0.595	ug/l #	70
38) Carbon Tetrachloride	4.99	117	11965	4.932	ug/l #	15
39) Methylcyclohexane	6.42	83	1147695	414.258	ug/l	99
40) Benzene	5.39	78	91788	11.843	ug/l	100
41) Methacrylonitrile	4.74	41	10930	6.098	ug/l #	52
43) Isopropyl Acetate	5.56	43	9464	1.880	ug/l #	63
45) 1,2-Dichloropropane	6.42	63	10231	4.633	ug/l #	1
46) Dibromomethane	6.41	93	751	0.563	ug/l #	6
47) Bromodichloromethane	6.74	83	2365	0.877	ug/l #	35
48) Methyl methacrylate	6.64	41	57489	21.573	ug/l #	50
51) 4-Methyl-2-Pentanone	7.46	43	18428	5.444	ug/l	94
55) 1,1,2-Trichloroethane	8.05	97	53652	28.503	ug/l #	18
56) Ethyl methacrylate	8.05	69	12824	5.948	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.07	63	100	4.914	ug/l #	52
59) 2-Hexanone	8.33	43	17477	6.596	ug/l #	30
67) Ethyl Benzene	9.25	91	2549874	319.334	ug/l	99
68) m/p-Xylenes	9.25	106	752395	230.675	ug/l #	16
69) o-Xylene	9.78	106	1263	0.446	ug/l	73
70) Styrene	9.80	104	866	1.968	ug/l #	69
73) Isopropylbenzene	10.17	105	548347	75.525	ug/l	100

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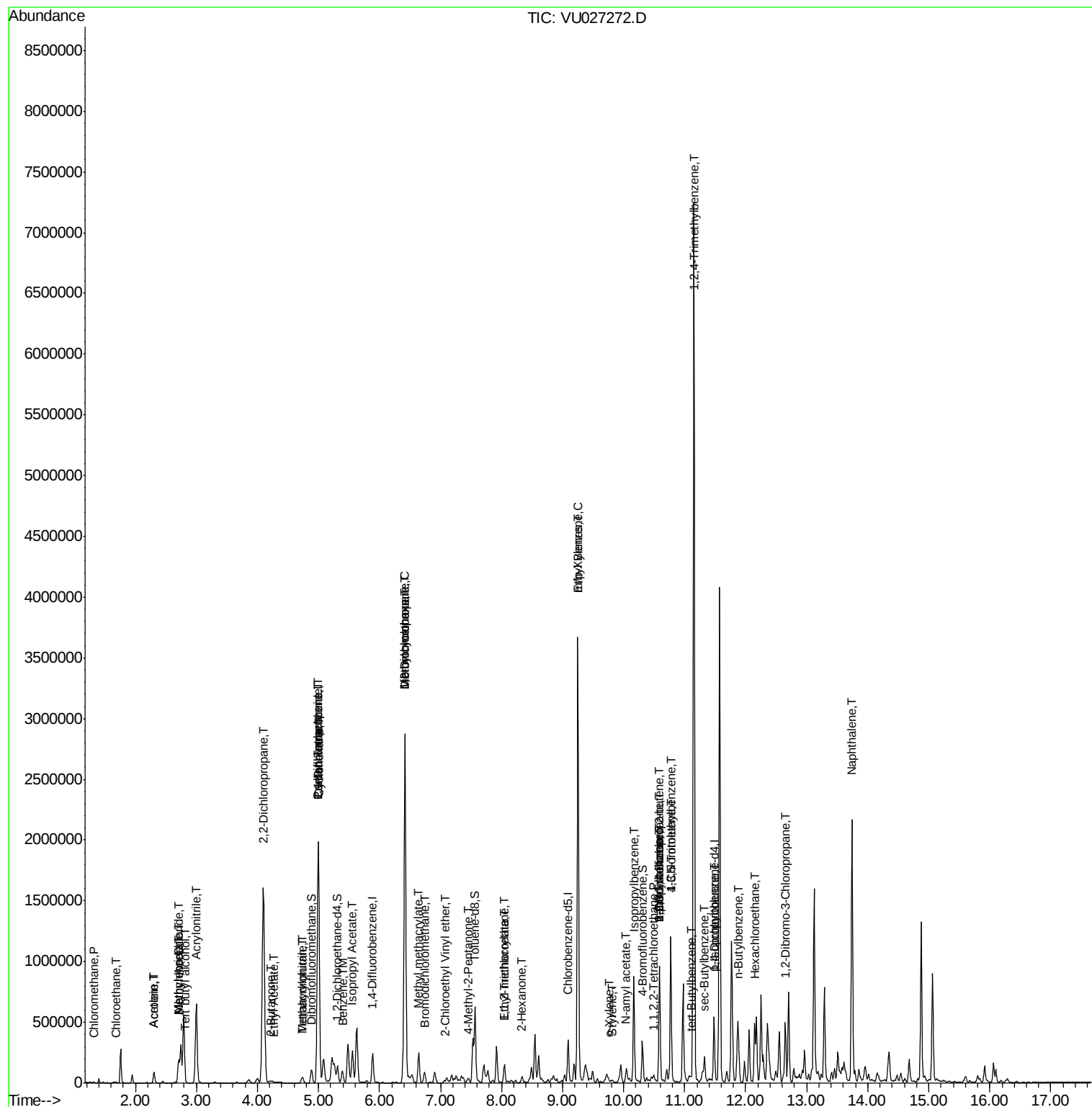
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) N-amyl acetate	10.04	43	6645	1.581	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	10.49	83	3994	1.196	ug/l #	36
76) 1,2,3-Trichloropropane	10.59	75	4725	1.630	ug/l #	1
78) n-propylbenzene	10.59	91	716338	83.384	ug/l	100
79) 2-Chlorotoluene	10.59	91	716338	132.750	ug/l #	43
80) 1,3,5-Trimethylbenzene	10.77	105	611331	102.002	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.59	75	4725	5.215	ug/l #	100
82) 4-Chlorotoluene	10.77	91	64410	10.645	ug/l #	47
83) tert-Butylbenzene	11.10	119	15257	2.575	ug/l #	41
84) 1,2,4-Trimethylbenzene	11.15	105	3778066	619.419	ug/l	100
85) sec-Butylbenzene	11.32	105	126775	17.527	ug/l	99
86) p-Isopropyltoluene	11.48	119	83595	13.016	ug/l	98
89) n-Butylbenzene	11.89	91	119576	19.698	ug/l #	44
90) Hexachloroethane	12.15	117	22500	17.106	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	12.65	75	2248	3.301	ug/l #	7
95) Naphthalene	13.74	128	1545931	190.718	ug/l	99

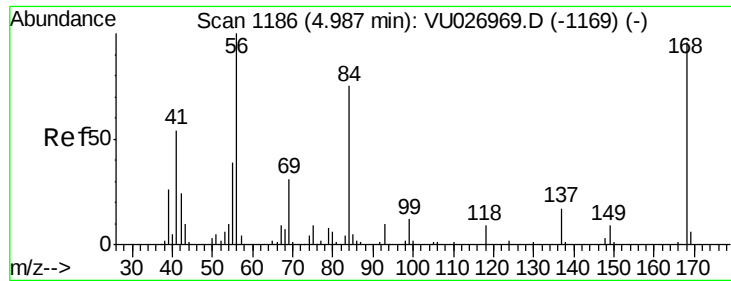
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

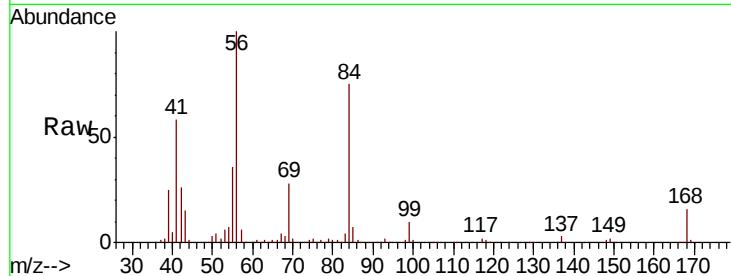
S13-0251

Tot Ion:168 Resp: 115284

Ion Ratio Lower Upper

168 100

99 64.2 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

60000

50000

40000

30000

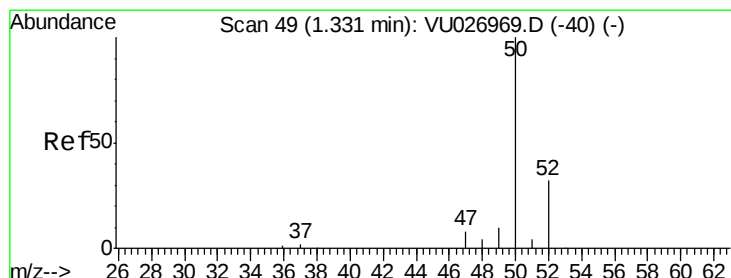
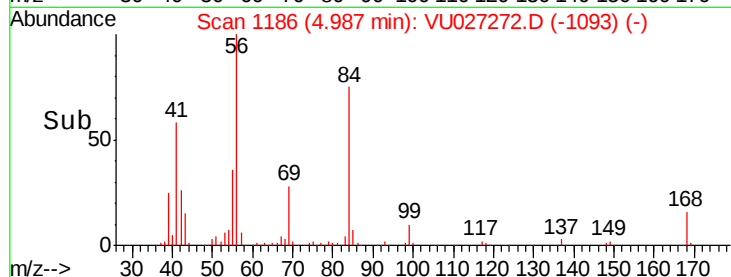
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#3

Chloromethane

Concen: 0.383 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027272.D

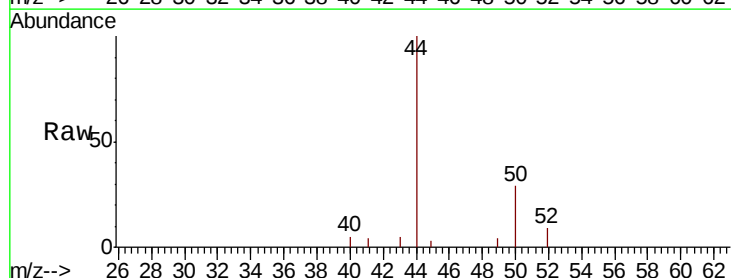
Acq: 28 Sep 2018 15:28

Tgt Ion: 50 Resp: 994

Ion Ratio Lower Upper

50 100

52 32.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU026969.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU026969.D (-40) (-)

1.33

1000

800

600

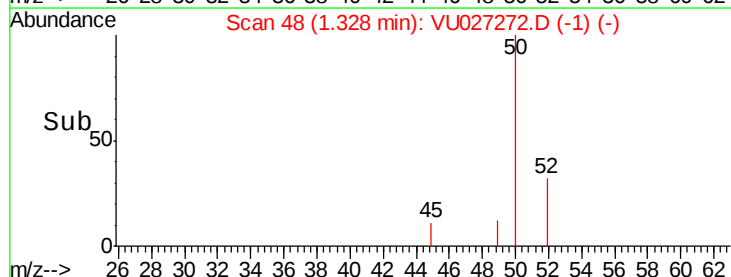
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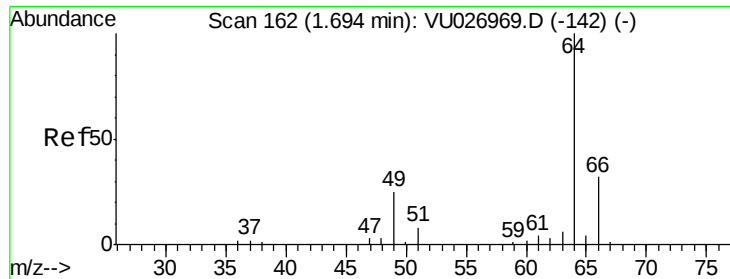
200

0

1.30 1.32 1.34 1.36

Time-->

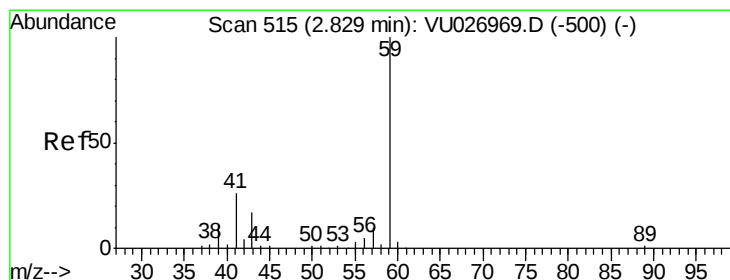
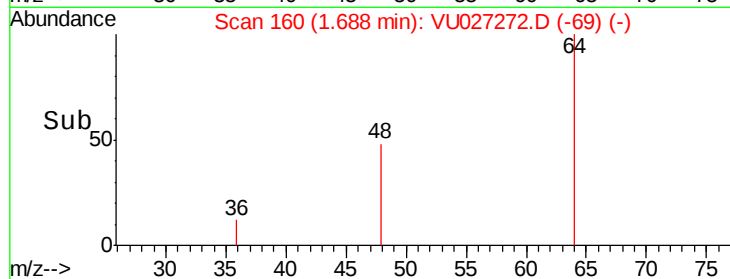
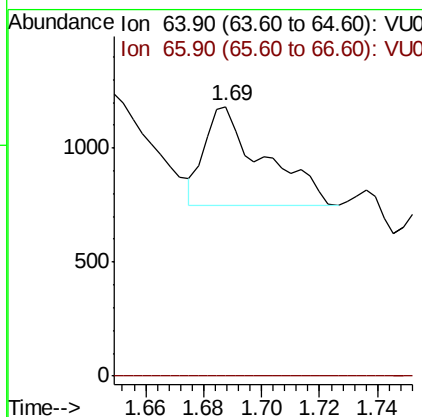
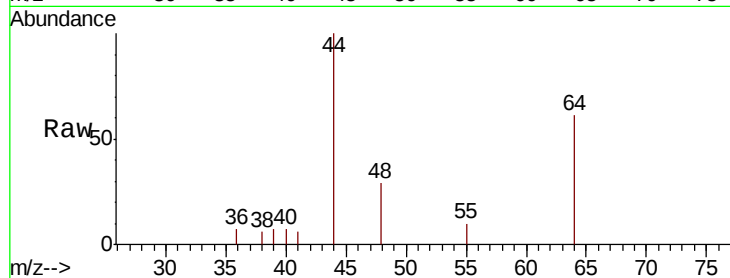




#6
 Chloroethane
 Concen: 0.393 ug/l
 RT: 1.69 min Scan# 160
 Delta R.T. -0.01 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

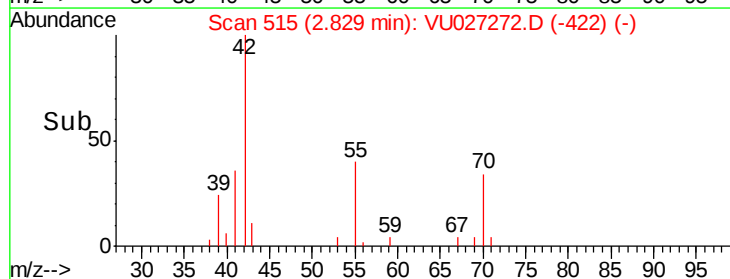
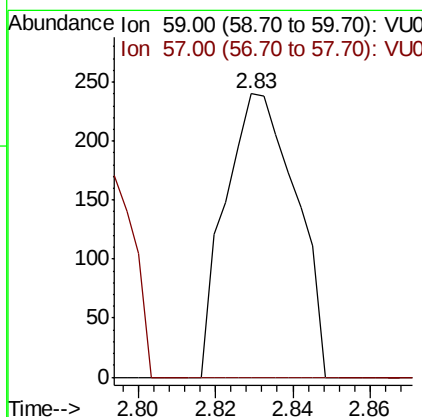
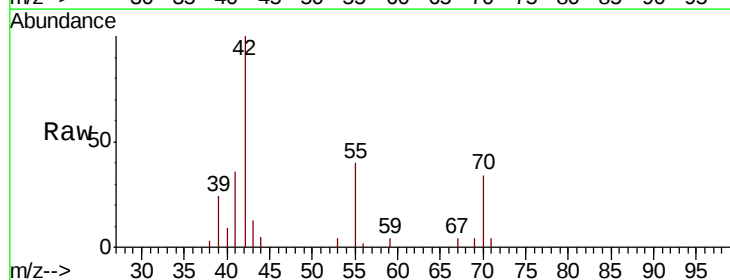
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0251

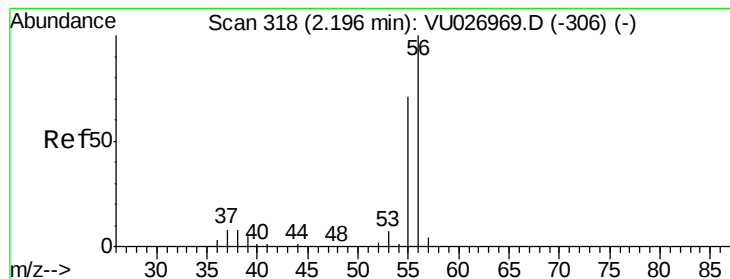
Tot Ion: 64 Resp: 609
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.3 37.9#



#11
 Tert butyl alcohol
 Concen: 0.572 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

Tgt Ion: 59 Resp: 304
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#





#13

Acrolein

Concen: 40.249 ug/l

RT: 2.31 min Scan# 352

Delta R.T. 0.11 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

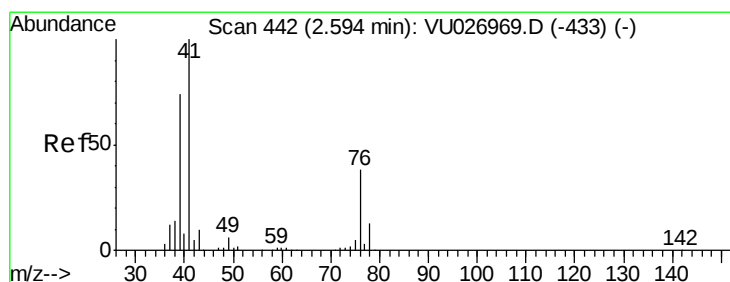
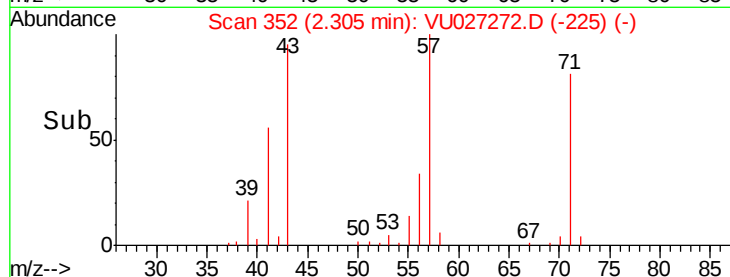
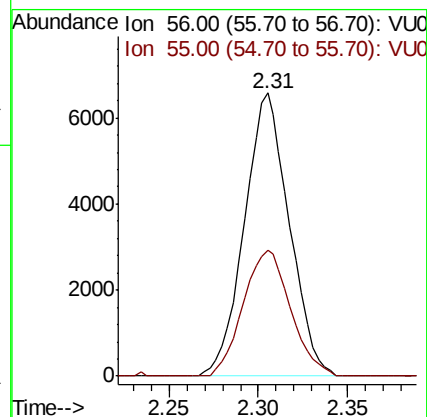
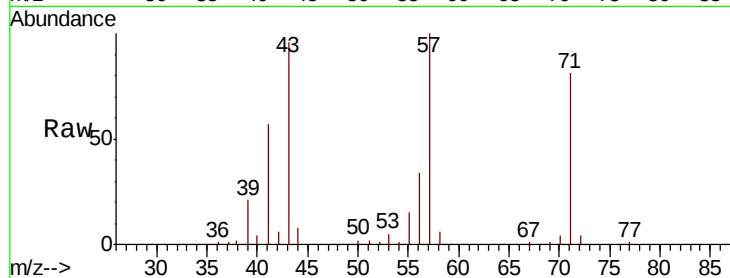
S13-0251

Tot Ion: 56 Resp: 11539

Ion Ratio Lower Upper

56 100

55 47.1 57.1 85.7#



#14

Allyl chloride

Concen: 14.764 ug/l

RT: 2.71 min Scan# 478

Delta R.T. 0.12 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

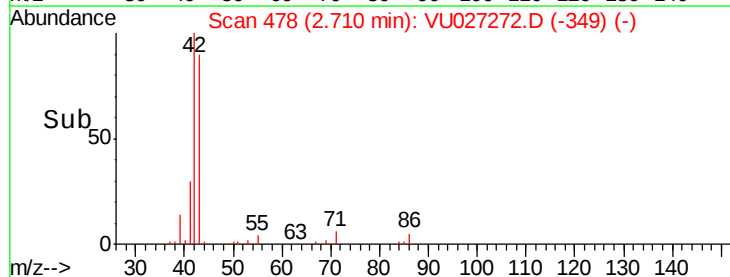
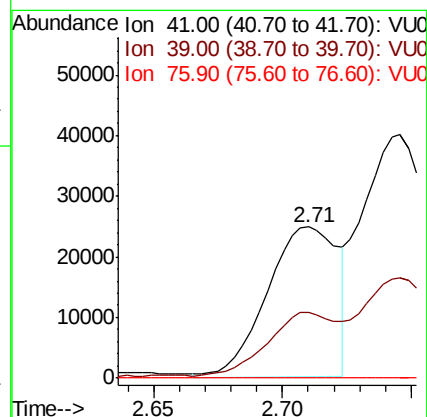
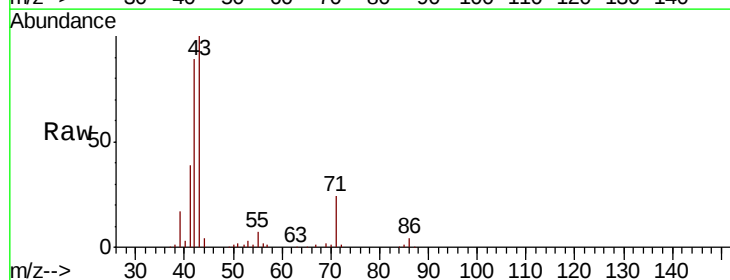
Tgt Ion: 41 Resp: 47681

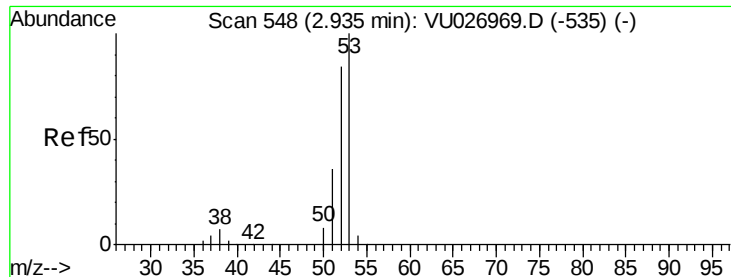
Ion Ratio Lower Upper

41 100

39 40.9 55.7 83.5#

76 0.0 26.5 39.7#





#15

Acrylonitrile

Concen: 9.912 ug/l

RT: 3.00 min Scan# 568

Delta R.T. 0.06 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

S13-0251

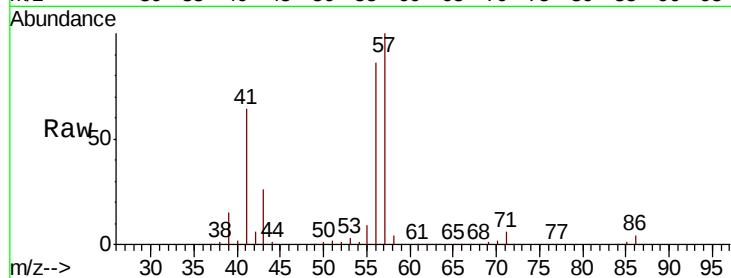
Tot Ion: 53 Resp: 13286

Ion Ratio Lower Upper

53 100

52 18.9 65.7 98.5#

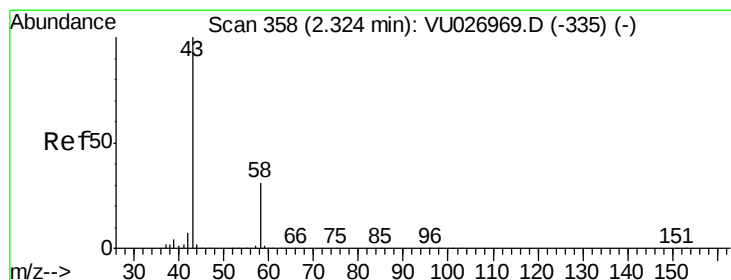
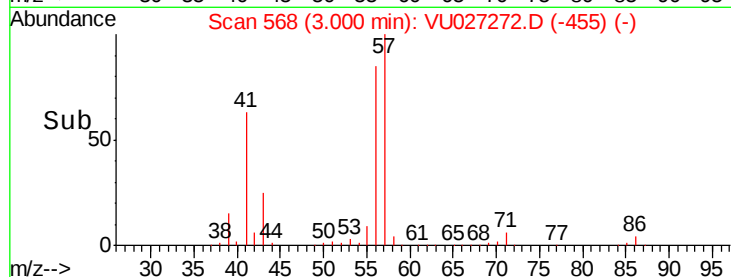
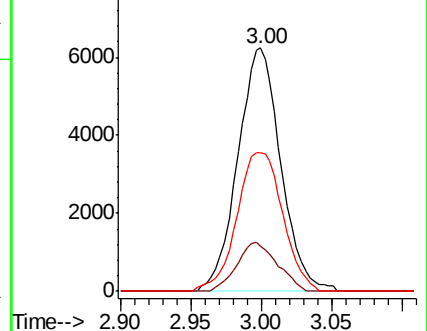
51 61.0 27.4 41.2#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 16.504 ug/l

RT: 2.31 min Scan# 352

Delta R.T. -0.02 min

Lab File: VU027272.D

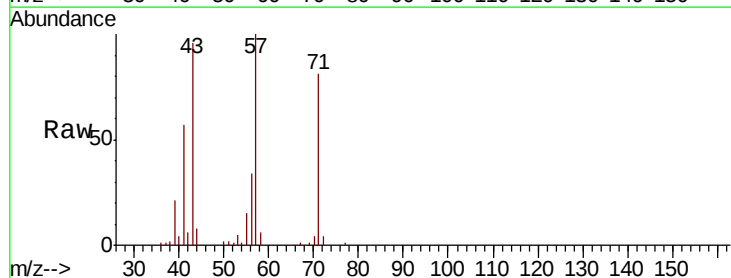
Acq: 28 Sep 2018 15:28

Tgt Ion: 43 Resp: 39439

Ion Ratio Lower Upper

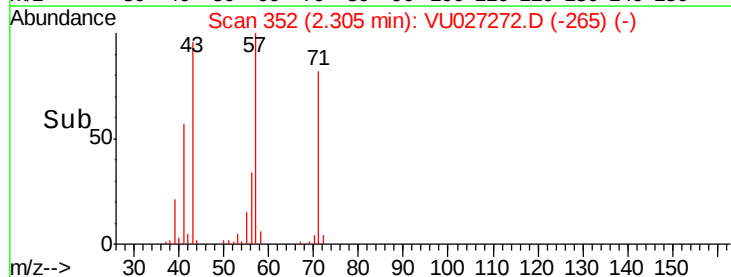
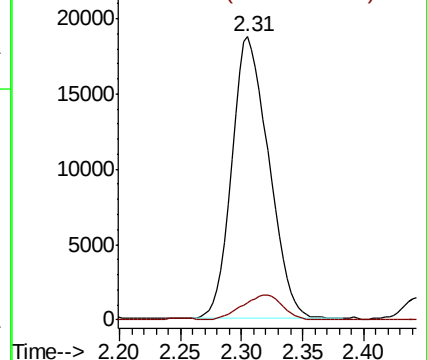
43 100

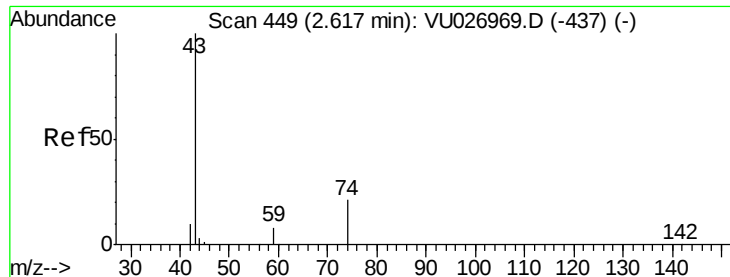
58 5.9 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

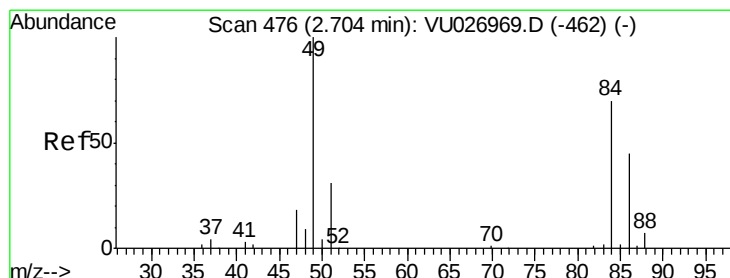
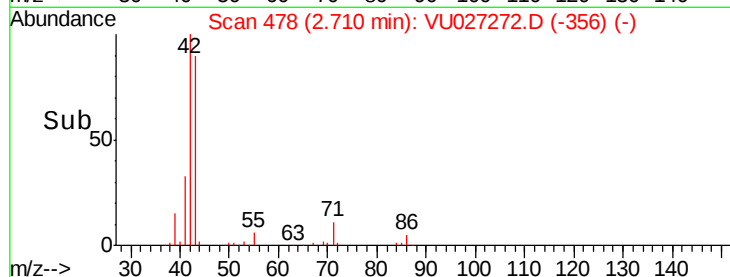
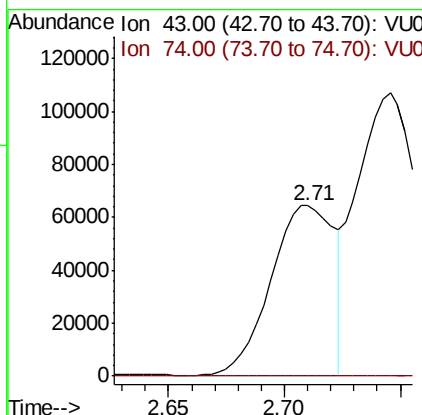
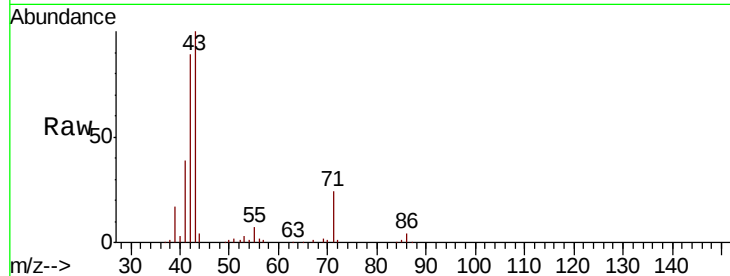




#18
Methyl Acetate
Concen: 37.034 ug/l
RT: 2.71 min Scan# 478
Delta R.T. 0.09 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

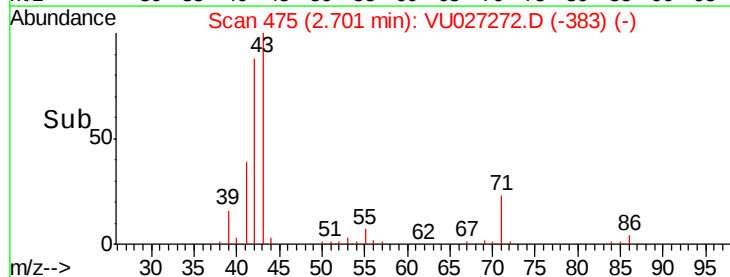
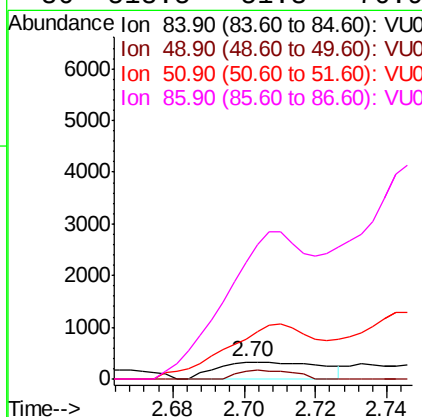
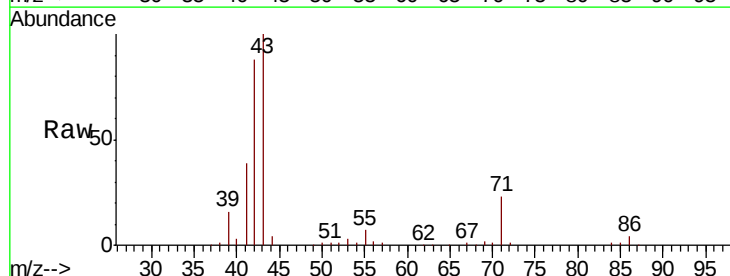
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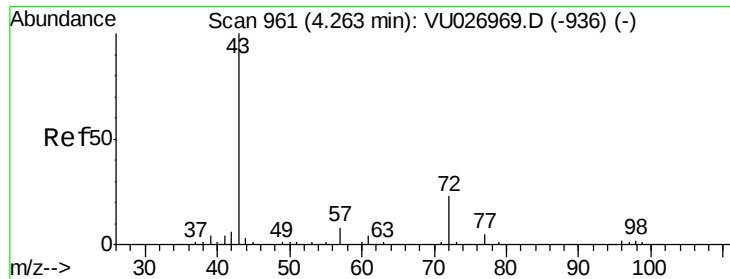
Tot Ion: 43 Resp: 122306
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#20
Methylene Chloride
Concen: 0.327 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Tgt Ion: 84 Resp: 679
Ion Ratio Lower Upper
84 100
49 45.2 114.9 172.3#
51 170.6 35.8 53.8#
86 518.5 51.3 76.9#

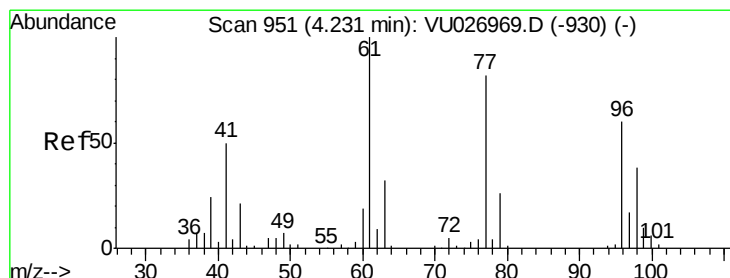
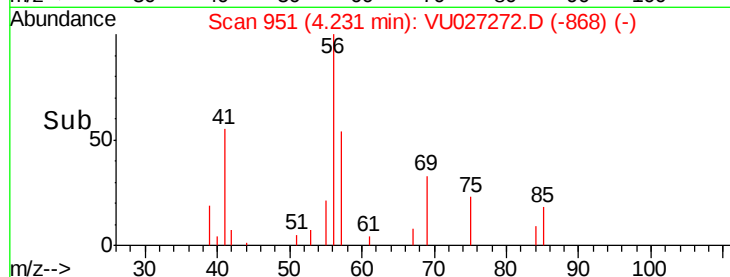
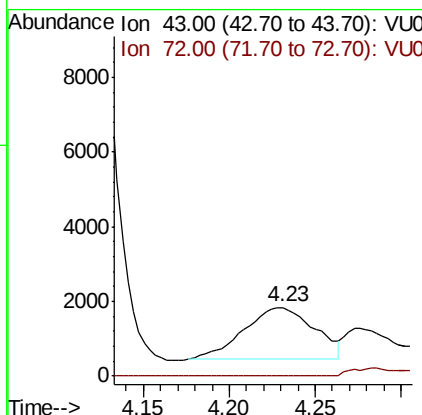
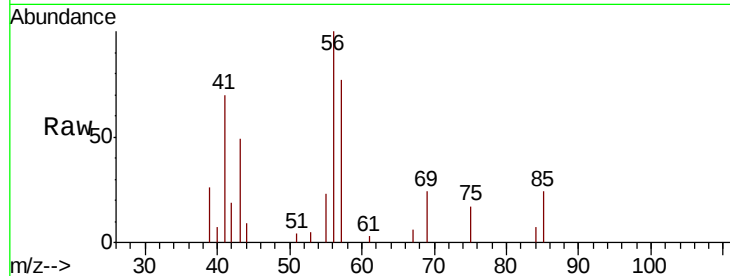




#25
 2-Butanone
 Concen: 1.993 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. -0.03 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

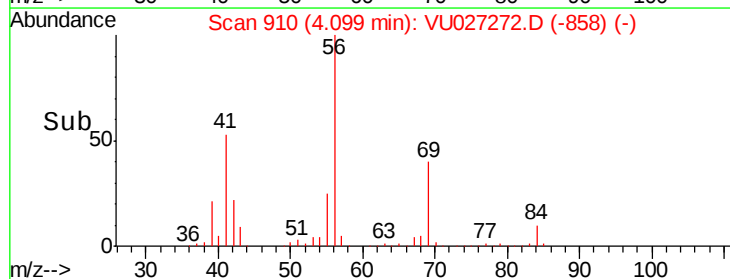
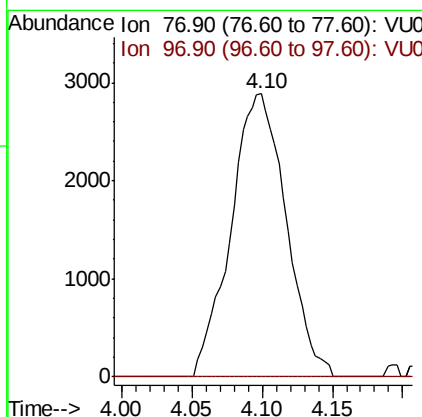
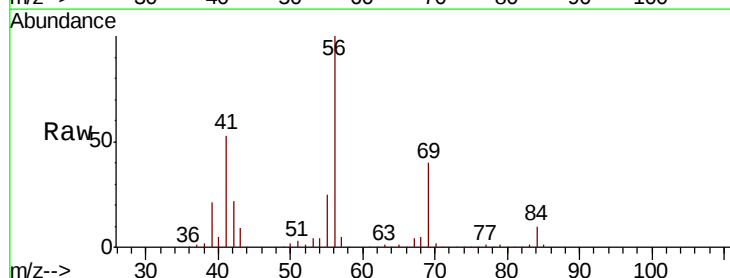
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0251

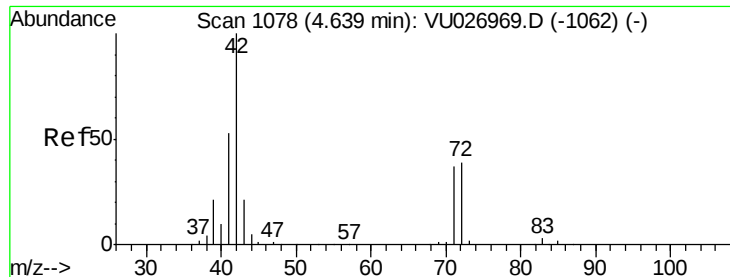
Tot Ion: 43 Resp: 3887
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.4 27.6#



#26
 2,2-Dichloropropane
 Concen: 2.653 ug/l
 RT: 4.10 min Scan# 910
 Delta R.T. -0.13 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

Tgt Ion: 77 Resp: 7872
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.5 31.5#





#29

Tetrahydrofuran

Concen: 1.457 ug/l

RT: 4.73 min Scan# 1106

Delta R.T. 0.09 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampled :

S13-0251

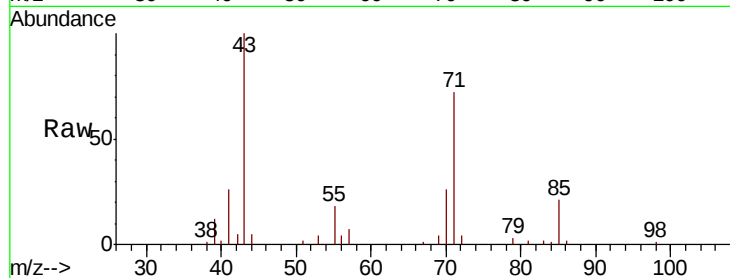
Tot Ion: 42 Resp: 1719

Ion Ratio Lower Upper

42 100

72 87.8 31.7 47.5#

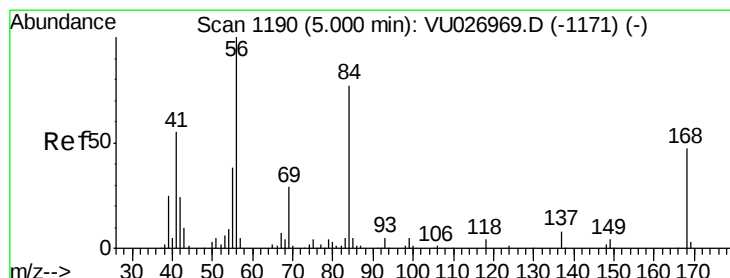
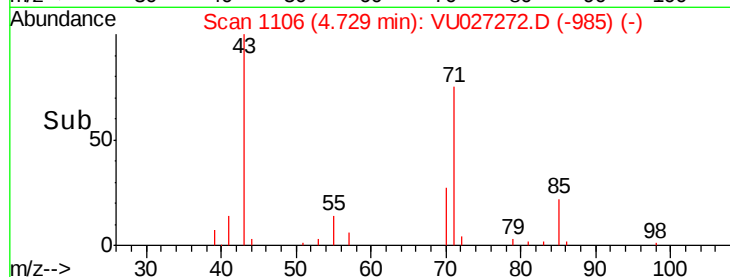
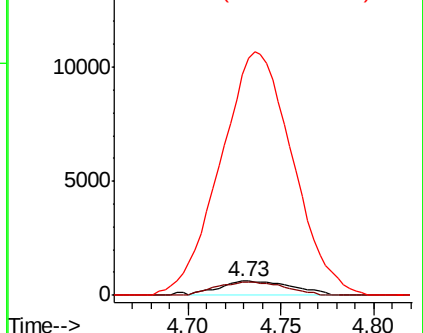
71 1684.8 29.6 44.4#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#31

Cyclohexane

Concen: 314.862 ug/l

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

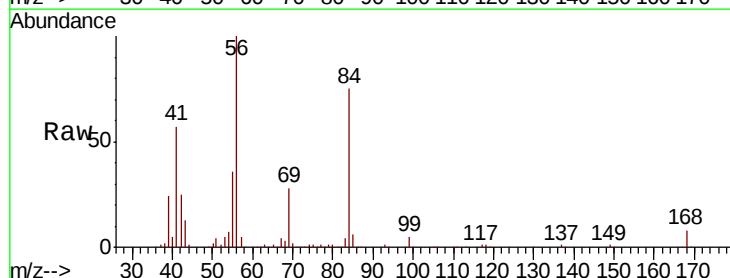
Tgt Ion: 56 Resp: 1078337

Ion Ratio Lower Upper

56 100

69 28.1 23.0 34.4

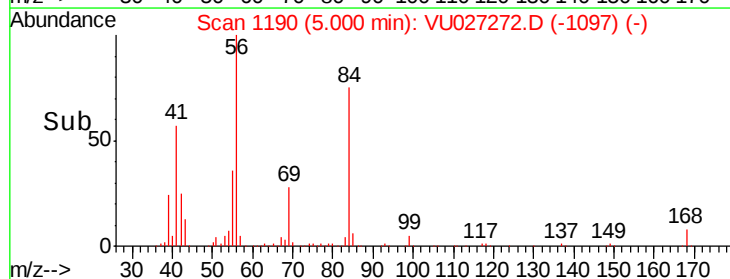
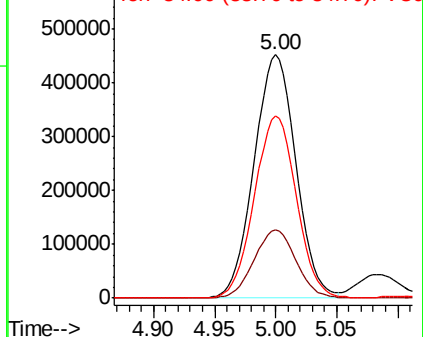
84 75.0 61.4 92.2

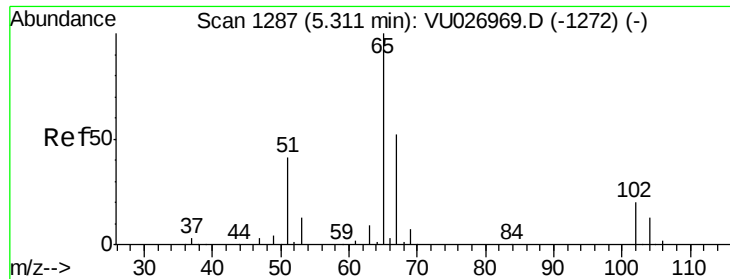


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

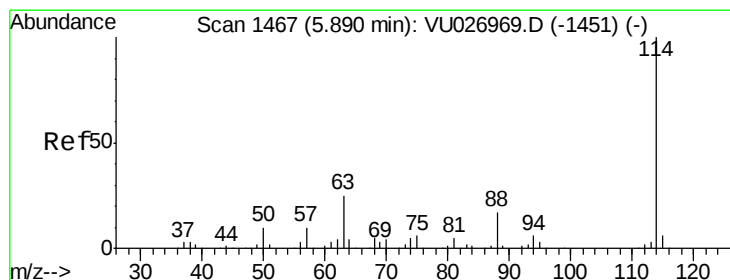
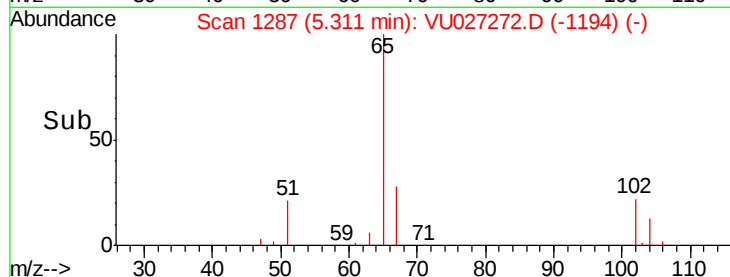
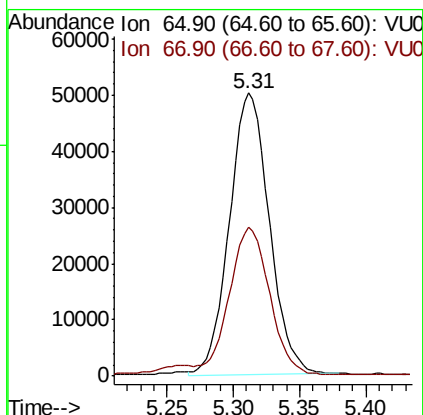
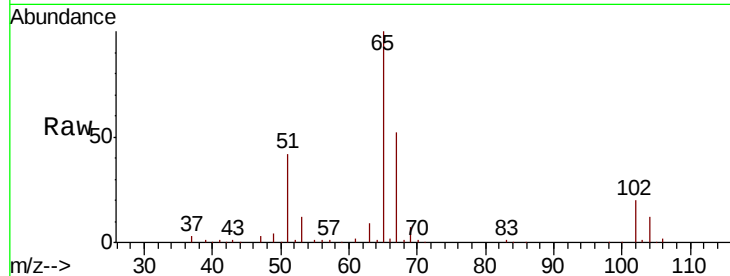




#33
 1,2-Dichloroethane-d4
 Concen: 45.201 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

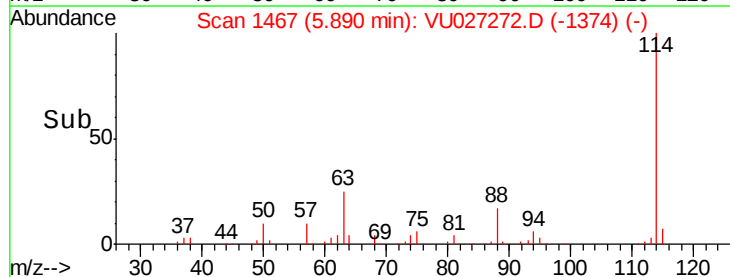
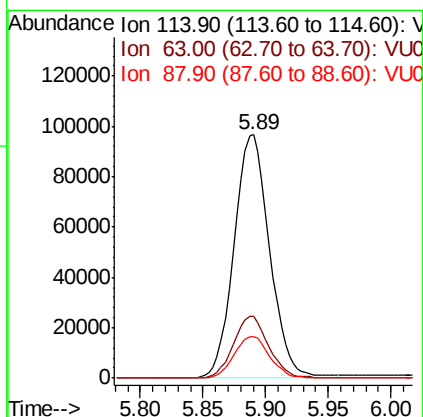
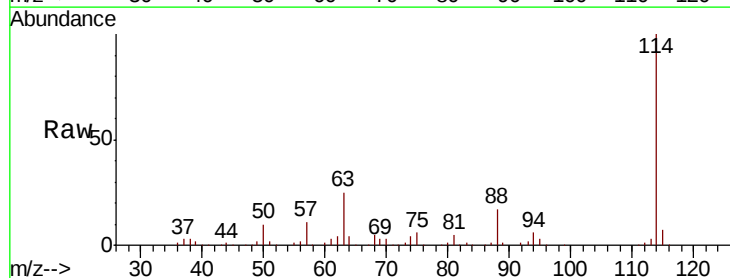
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0251

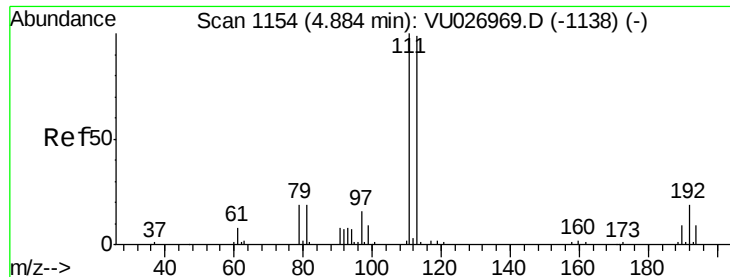
Tot Ion: 65 Resp: 104878
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

Tgt Ion: 114 Resp: 191022
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.2
 88 17.2 0.0 33.8

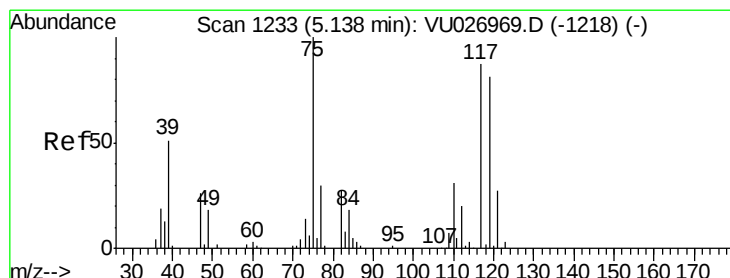
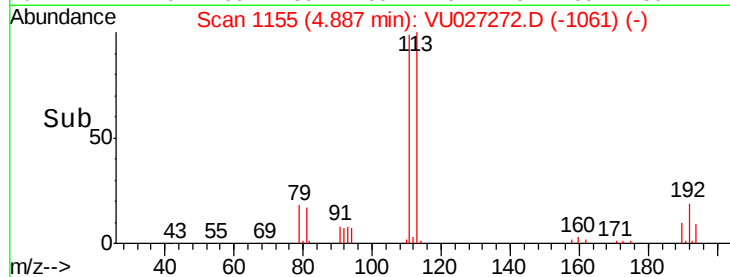
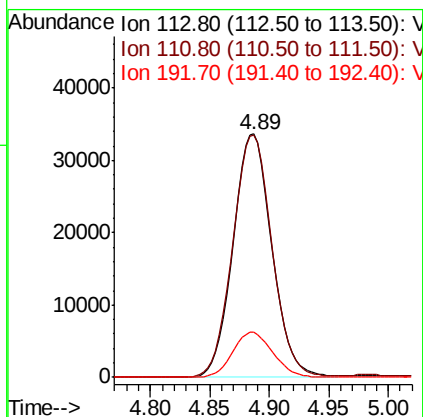
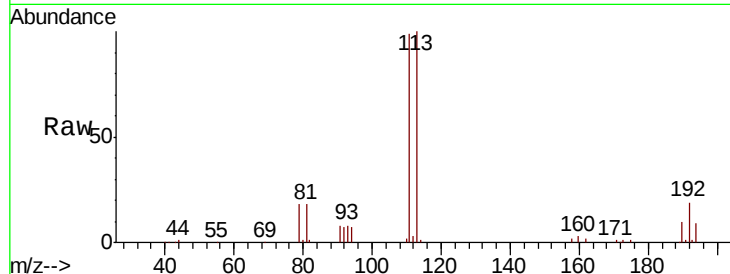




#35
 Dibromofluoromethane
 Concen: 45.997 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

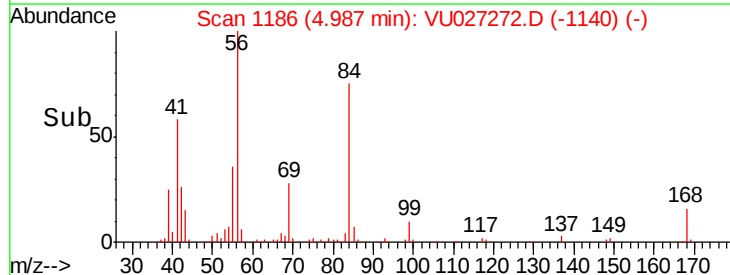
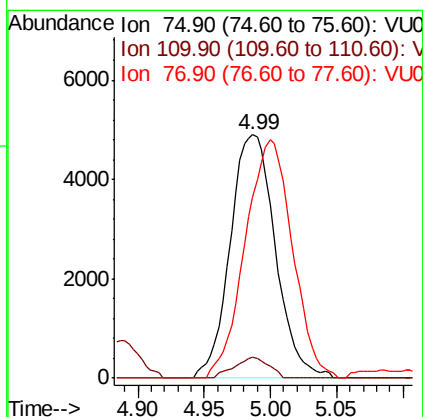
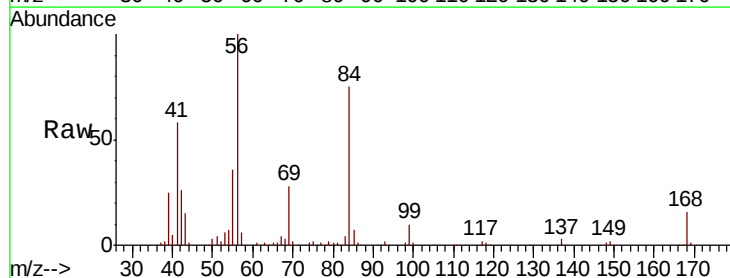
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0251

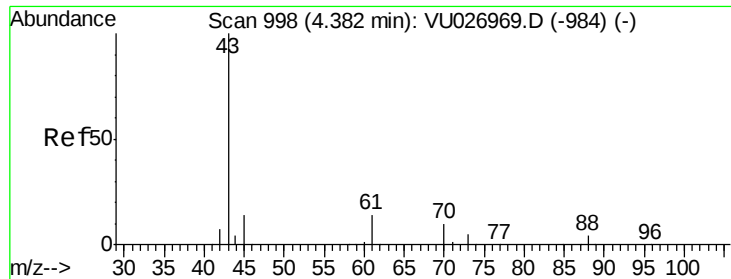
Tot Ion:113 Resp: 76161
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.2 123.4
 192 19.1 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 4.555 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

Tgt Ion: 75 Resp: 11612
 Ion Ratio Lower Upper
 75 100
 110 6.4 16.1 48.2#
 77 102.5 24.6 36.8#





#37

Ethyl Acetate

Concen: 0.595 ug/l

RT: 4.27 min Scan# 964

Delta R.T. -0.11 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

S13-0251

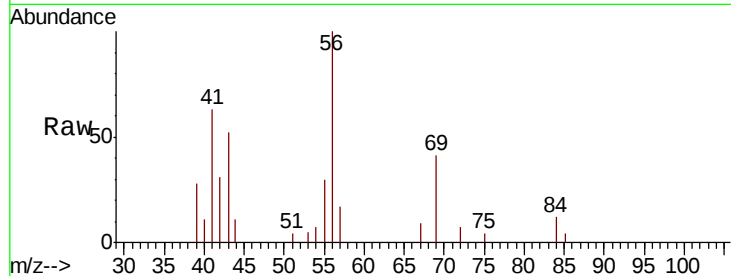
Tot Ion: 43 Resp: 2052

Ion Ratio Lower Upper

43 100

61 0.0 10.5 15.7#

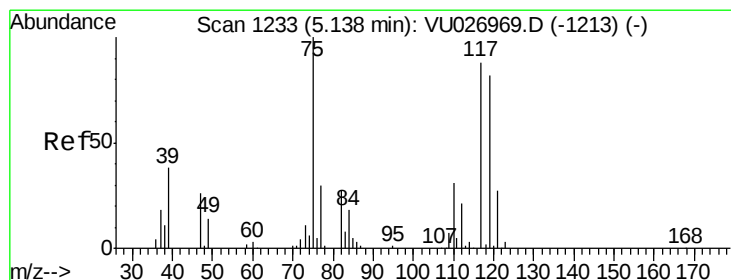
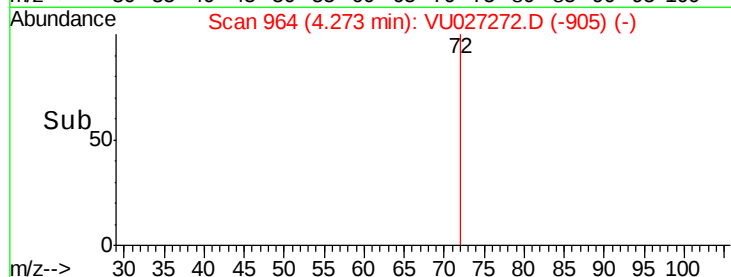
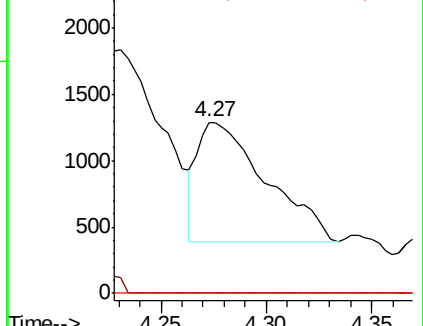
70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0



#38

Carbon Tetrachloride

Concen: 4.932 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

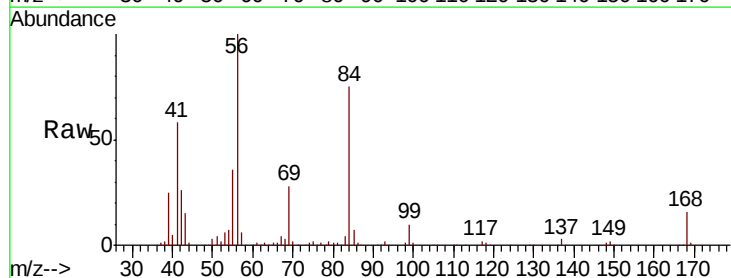
Tgt Ion: 117 Resp: 11965

Ion Ratio Lower Upper

117 100

119 2.8 74.4 111.6#

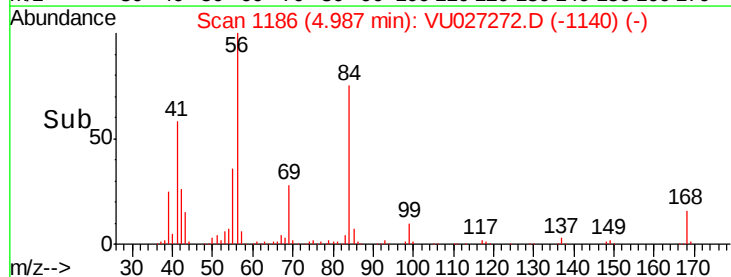
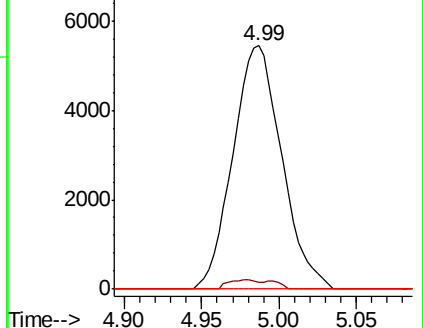
121 0.0 24.2 36.4#

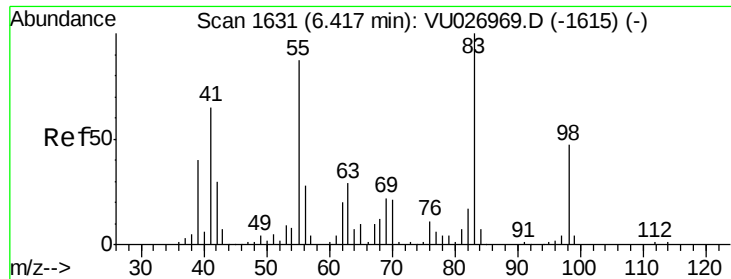


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

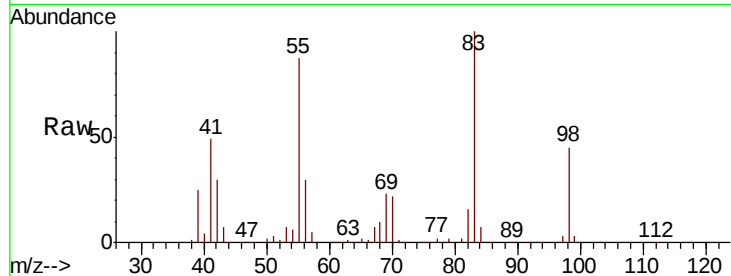




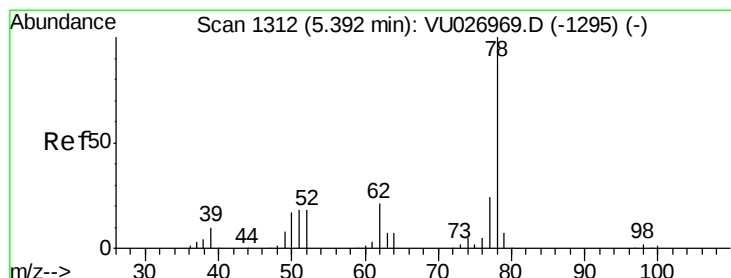
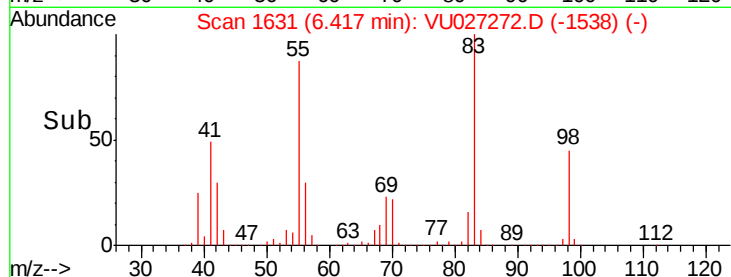
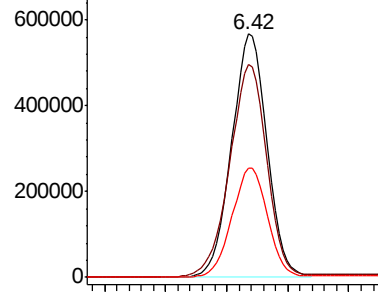
#39
Methvlcvclohexane
Concen: 414.258 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Instrument :
MSVOA_U
ClientSampleId :
S13-0251

Tot Ion: 83 Resp: 1147695
Ion Ratio Lower Upper
83 100
55 87.3 69.9 104.9
98 45.1 37.5 56.3

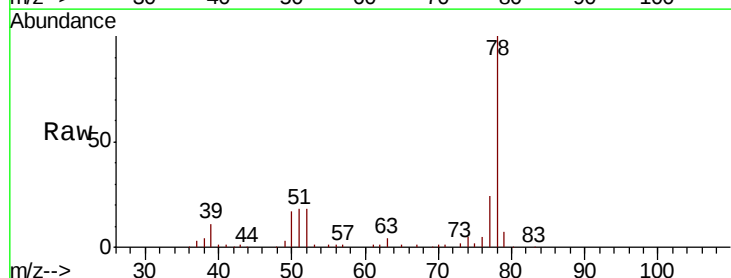


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

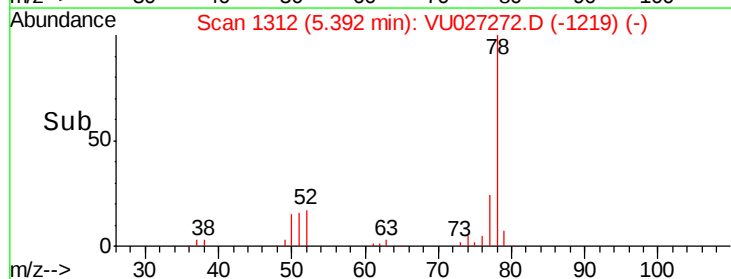
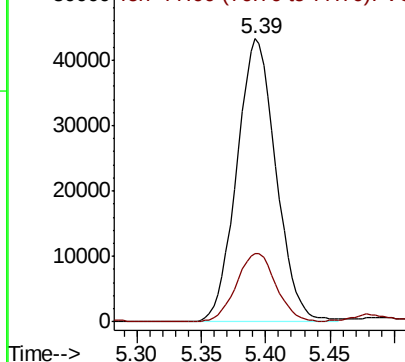


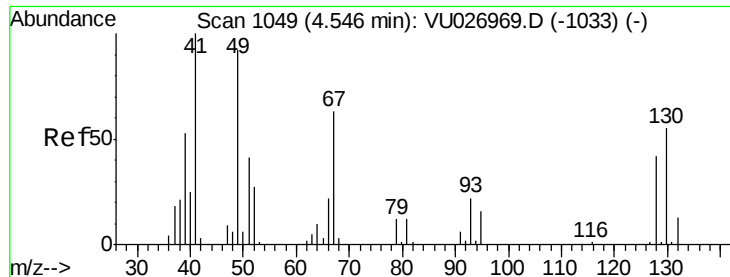
#40
Benzene
Concen: 11.843 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Tgt Ion: 78 Resp: 91788
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0



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

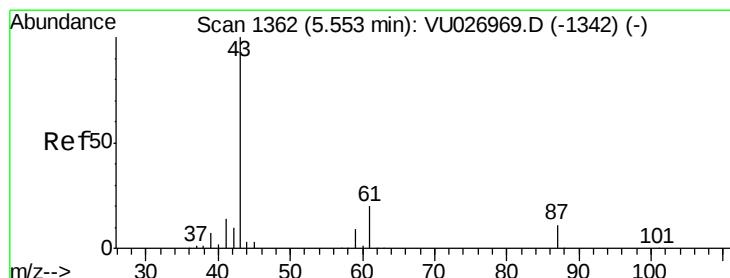
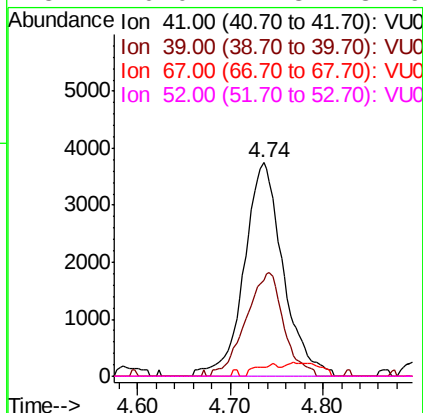
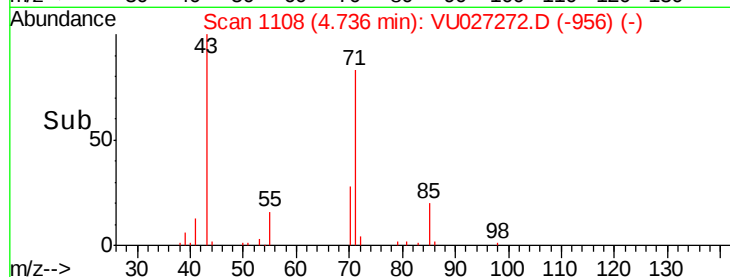
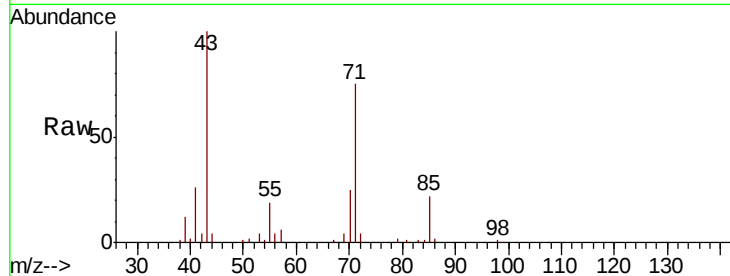




#41
Methacrylonitrile
Concen: 6.098 ug/l
RT: 4.74 min Scan# 1108
Delta R.T. 0.19 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

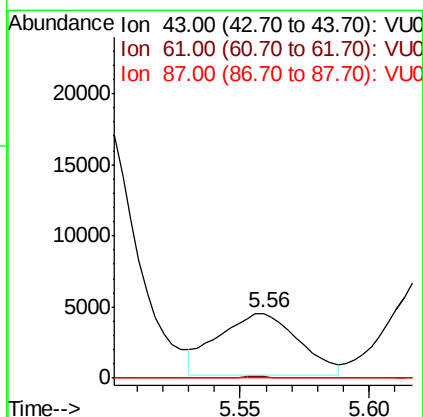
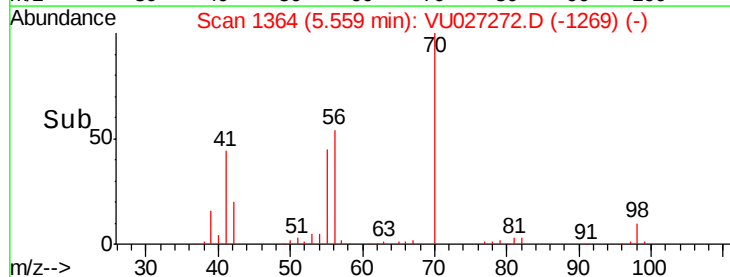
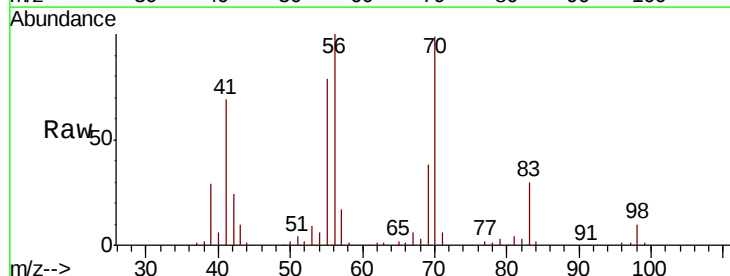
Instrument :
MSVOA_U
ClientSampleId :
S13-0251

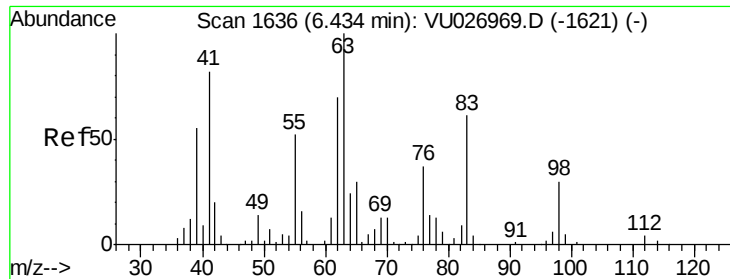
Tot Ion: 41 Resp: 10930
Ion Ratio Lower Upper
41 100
39 47.1 42.9 64.3
67 3.4 52.4 78.6#
52 0.0 21.3 31.9#



#43
Isopropyl Acetate
Concen: 1.880 ug/l
RT: 5.56 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Tgt Ion: 43 Resp: 9464
Ion Ratio Lower Upper
43 100
61 0.8 15.7 23.5#
87 0.0 9.0 13.4#





#45

1,2-Dichloropropane

Concen: 4.633 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. -0.02 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampled :

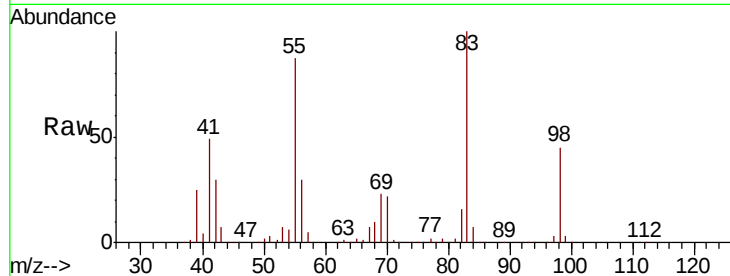
S13-0251

Tot Ion: 63 Resp: 10231

Ion Ratio Lower Upper

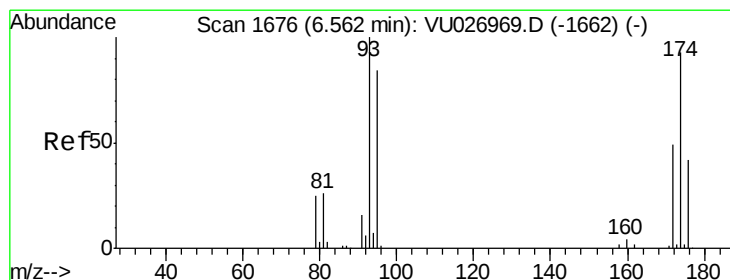
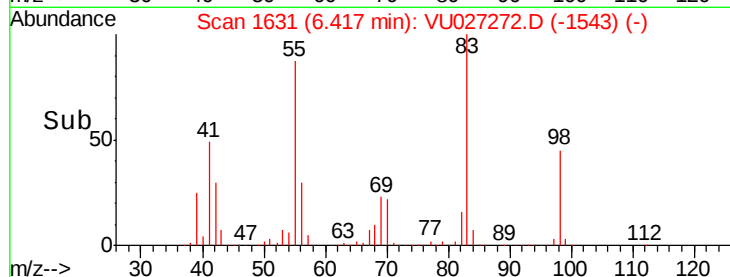
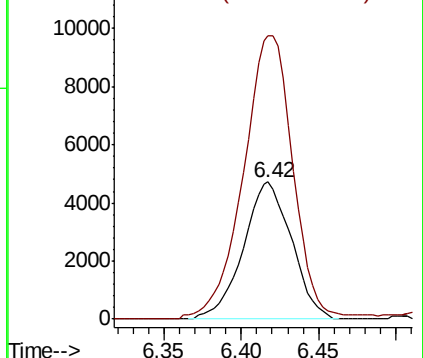
63 100

65 203.1 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 0.563 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.15 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

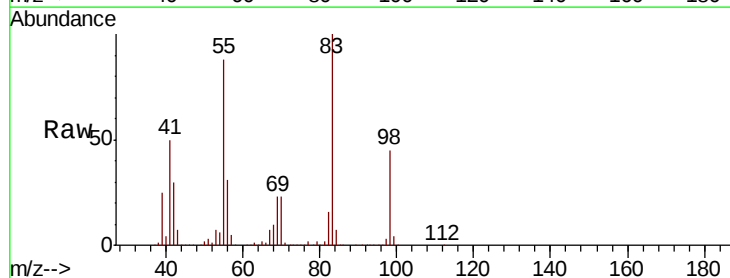
Tgt Ion: 93 Resp: 751

Ion Ratio Lower Upper

93 100

95 0.0 66.2 99.4#

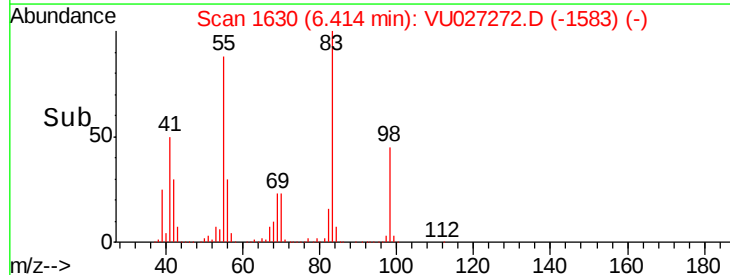
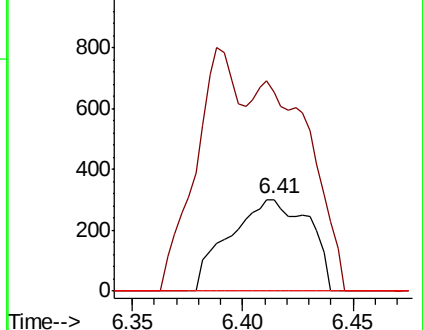
174 0.0 71.7 107.5#

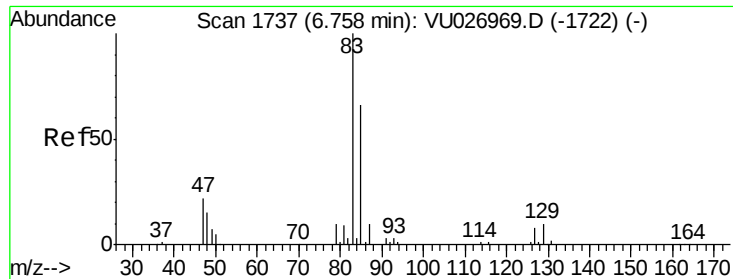


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.877 ug/l

RT: 6.74 min Scan# 1731

Delta R.T. -0.02 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

S13-0251

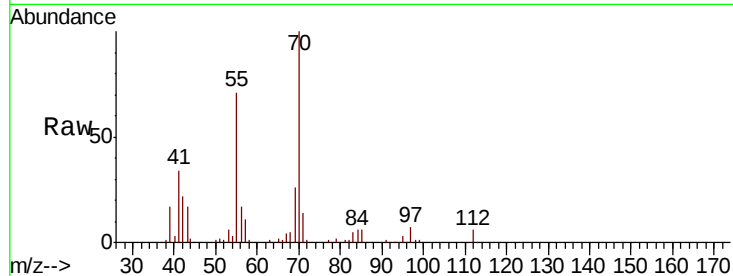
Tot Ion: 83 Resp: 2365

Ion Ratio Lower Upper

83 100

85 120.8 52.5 78.7#

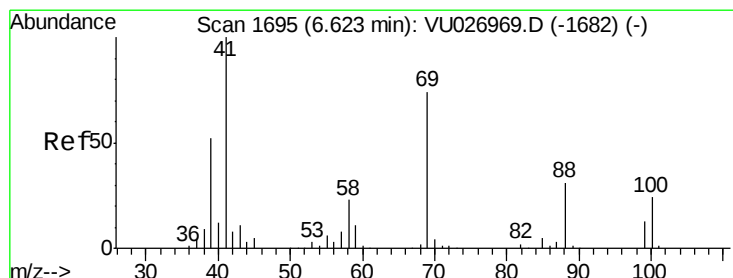
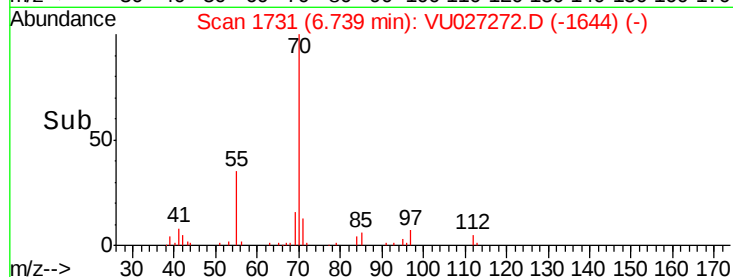
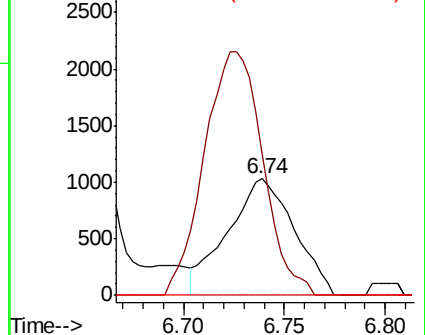
127 0.0 6.3 9.5#



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.573 ug/l

RT: 6.64 min Scan# 1701

Delta R.T. 0.02 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

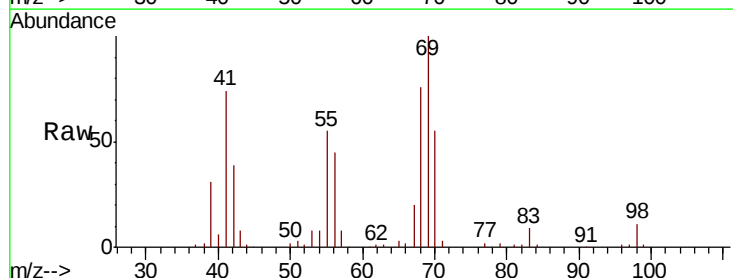
Tgt Ion: 41 Resp: 57489

Ion Ratio Lower Upper

41 100

69 140.3 60.6 90.8#

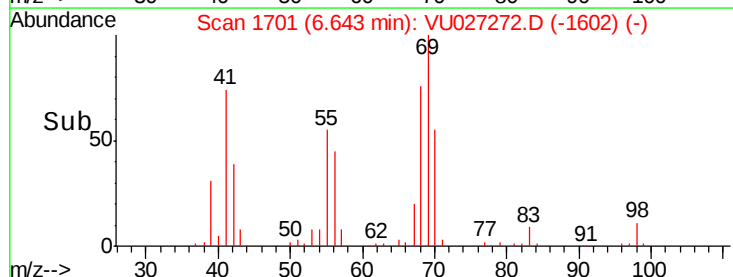
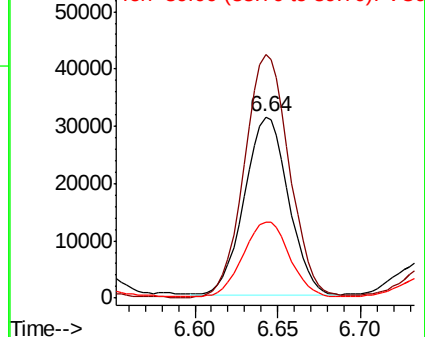
39 44.1 42.8 64.2

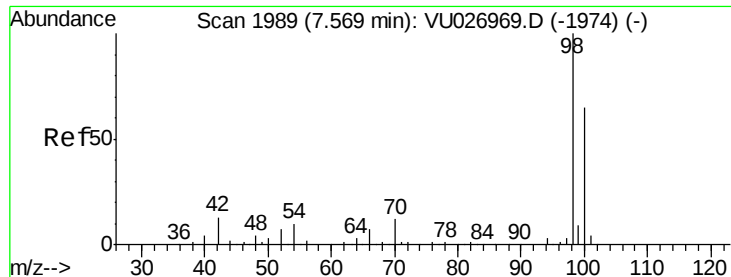


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#50

Toluene-d8

Concen: 51.045 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

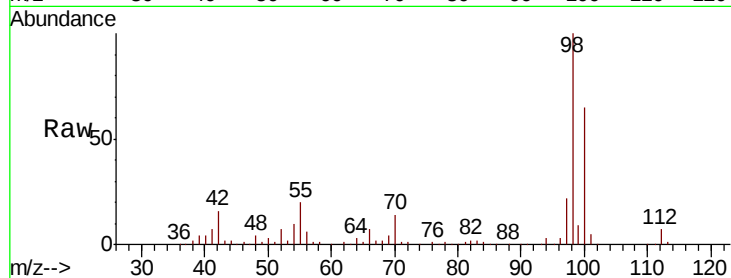
S13-0251

Tot Ion: 98 Resp: 322104

Ion Ratio Lower Upper

98 100

100 62.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU027272.D (-1896) (-)

Ion 100.00 (99.70 to 100.70): VU027272.D (-1896) (-)

7.57

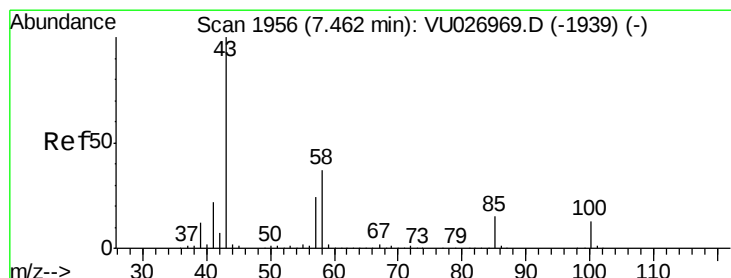
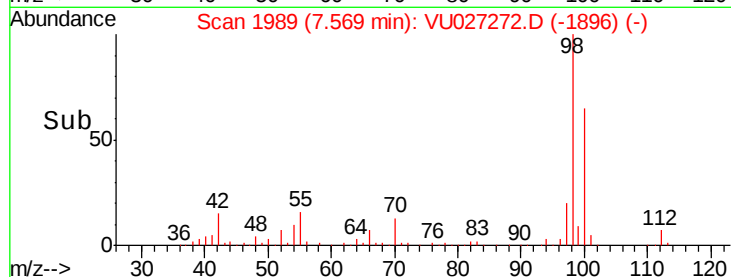
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 5.444 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027272.D

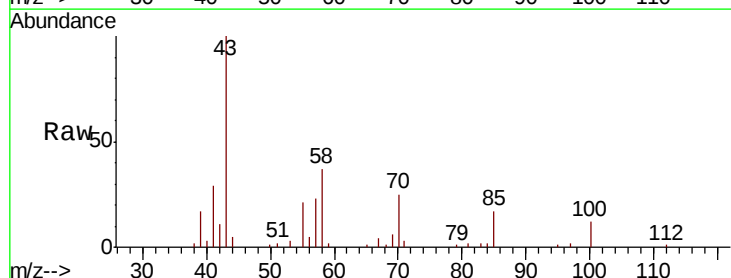
Acq: 28 Sep 2018 15:28

Tgt Ion: 43 Resp: 18428

Ion Ratio Lower Upper

43 100

58 40.9 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VU027272.D (-1863) (-)

Ion 58.00 (57.70 to 58.70): VU027272.D (-1863) (-)

7.46

12000

10000

8000

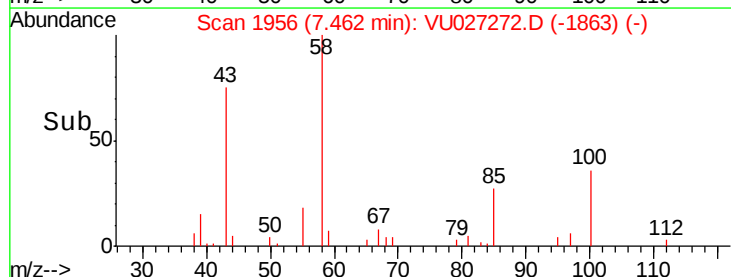
6000

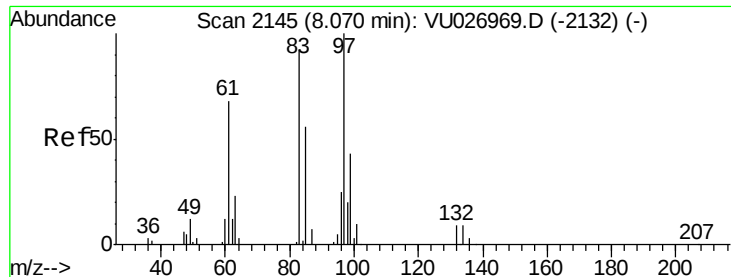
4000

2000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 28.503 ug/l

RT: 8.05 min Scan# 2138

Delta R.T. -0.02 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

S13-0251

Tot Ion: 97 Resp: 53652

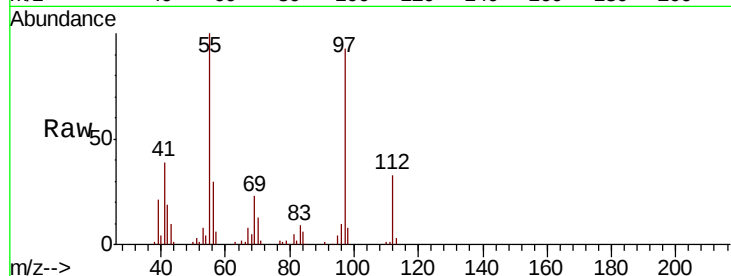
Ion Ratio Lower Upper

97 100

83 9.8 73.1 109.7#

85 0.4 46.7 70.1#

99 0.0 50.0 75.0#



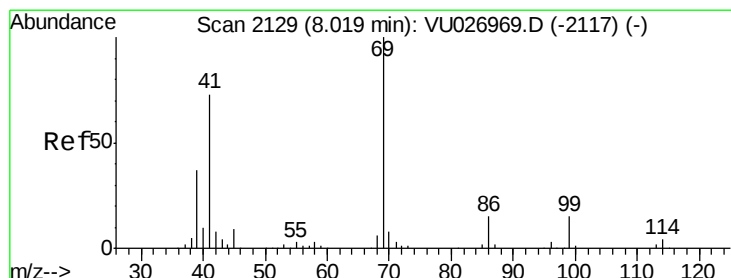
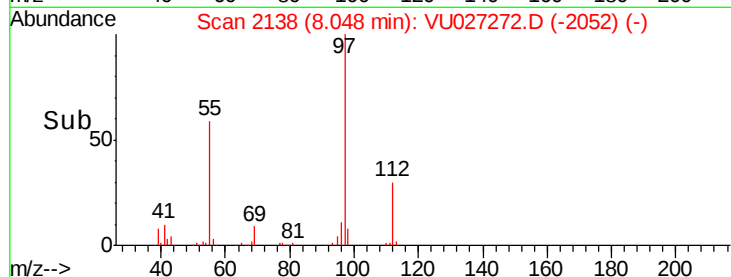
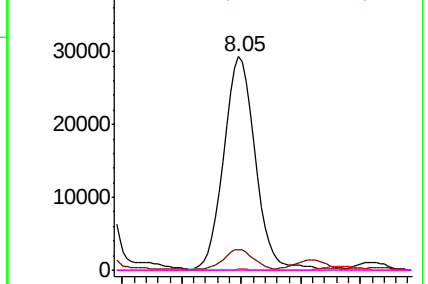
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 5.948 ug/l

RT: 8.05 min Scan# 2138

Delta R.T. 0.03 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

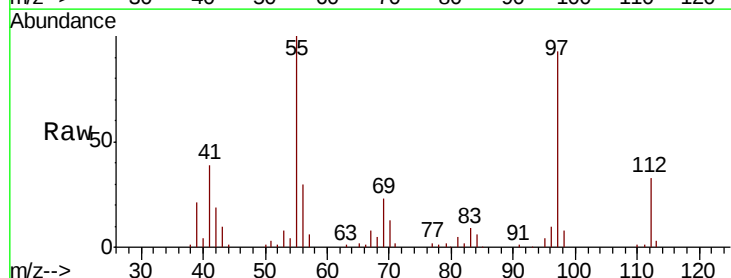
Tgt Ion: 69 Resp: 12824

Ion Ratio Lower Upper

69 100

41 163.2 59.0 88.4#

39 88.3 30.2 45.4#

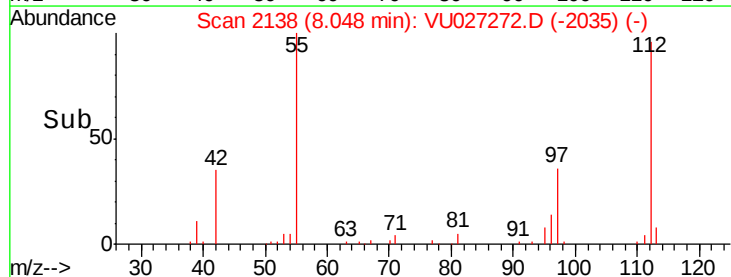
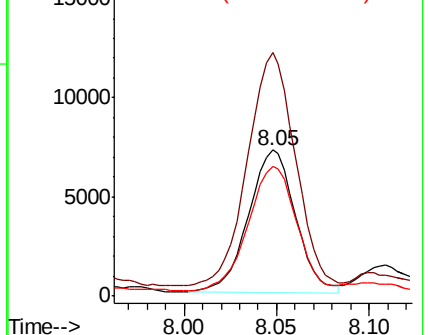


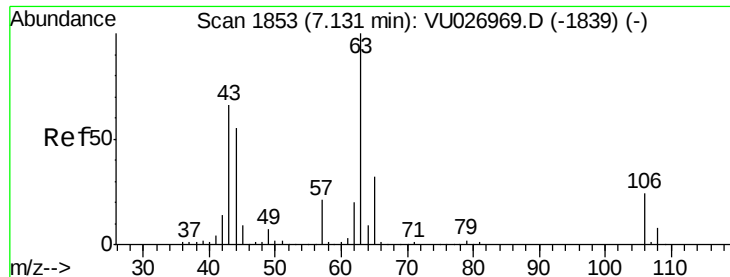
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

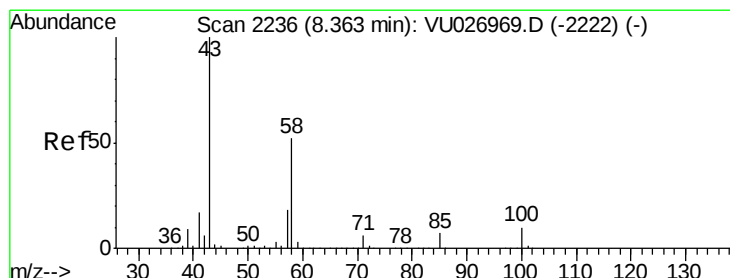
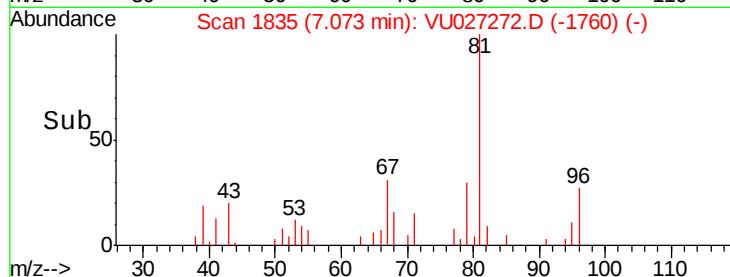
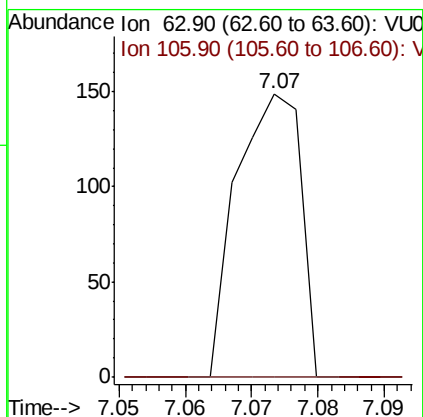
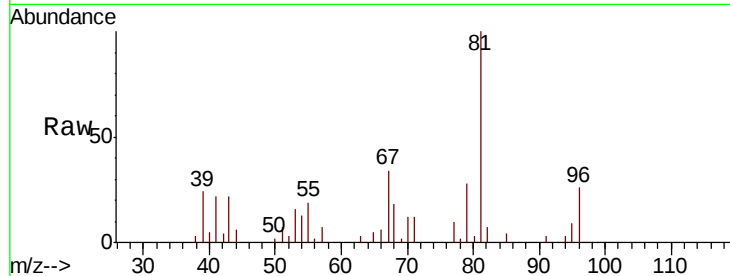




#58
 2-Chloroethyl Vinyl ether
 Concen: 4.914 ug/l
 RT: 7.07 min Scan# 1835
 Delta R.T. -0.06 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

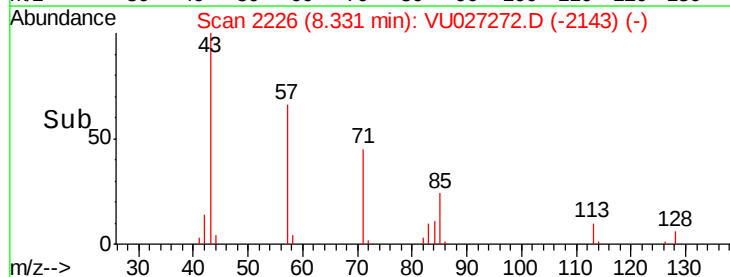
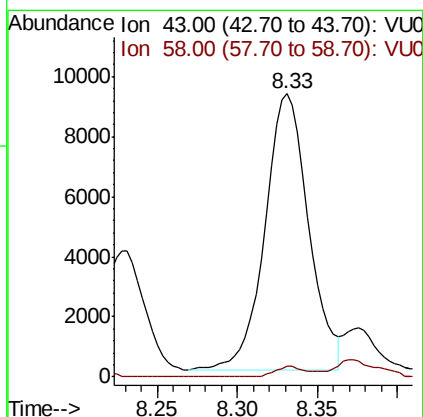
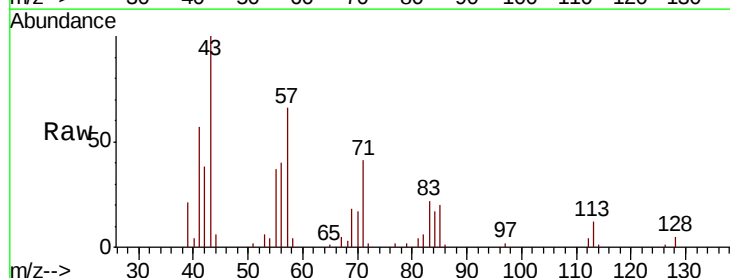
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0251

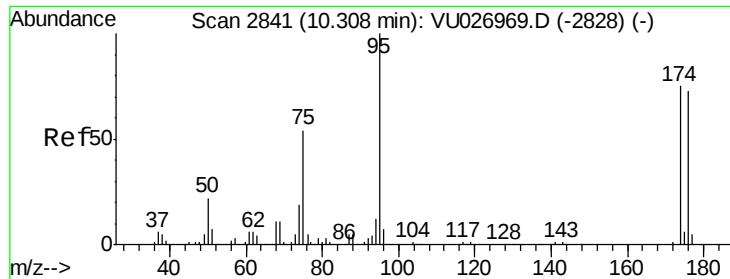
Tot Ion: 63 Resp: 100
 Ion Ratio Lower Upper
 63 100
 106 0.0 18.7 28.1#



#59
 2-Hexanone
 Concen: 6.596 ug/l
 RT: 8.33 min Scan# 2226
 Delta R.T. -0.03 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

Tgt Ion: 43 Resp: 17477
 Ion Ratio Lower Upper
 43 100
 58 2.7 26.1 78.2#

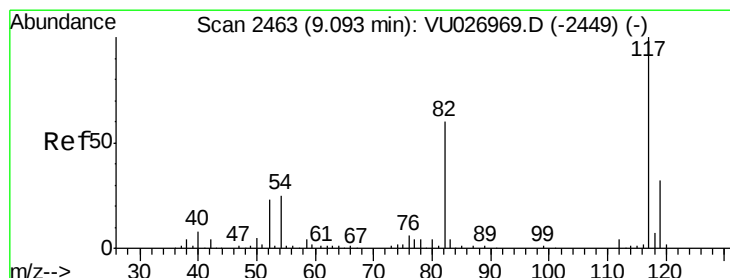
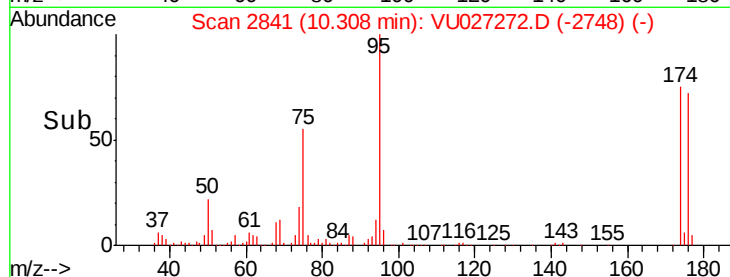
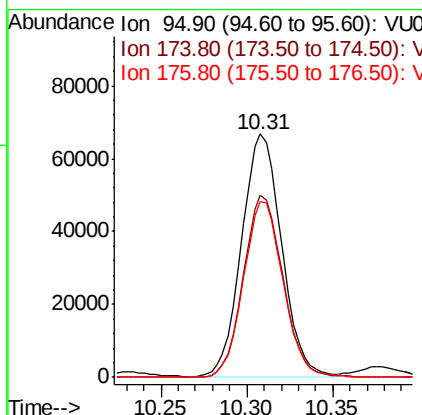
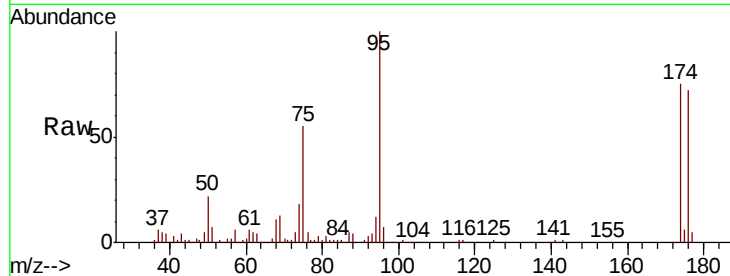




#62
 4-Bromofluorobenzene
 Concen: 49.765 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

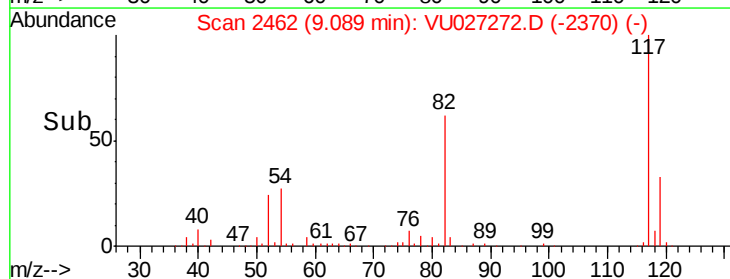
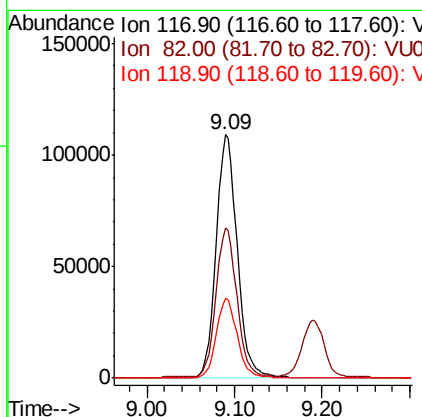
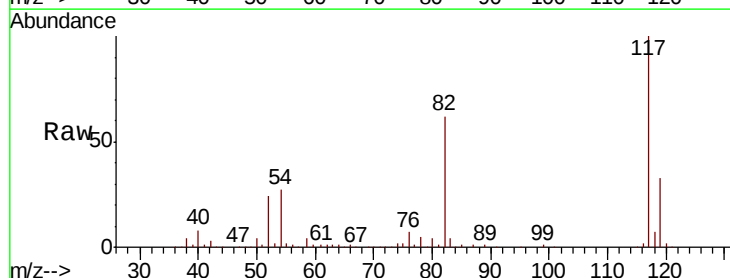
Instrument :
 MSVOA_U
 ClientSampled :
 S13-0251

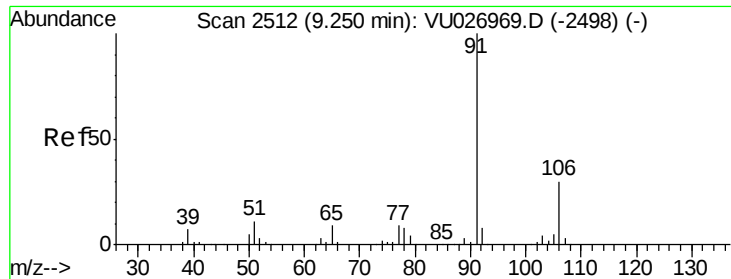
Tot Ion	95	Resp	107753
Ion Ratio	Lower	Upper	
95	100		
174	74.1	0.0	150.2
176	72.1	0.0	145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

Tgt Ion	117	Resp	183137
Ion Ratio	Lower	Upper	
117	100		
82	61.2	48.0	72.0
119	32.6	25.8	38.8

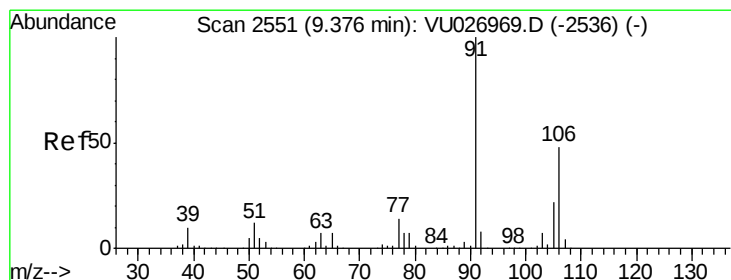
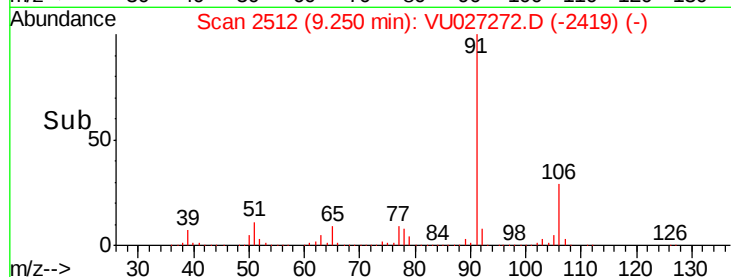
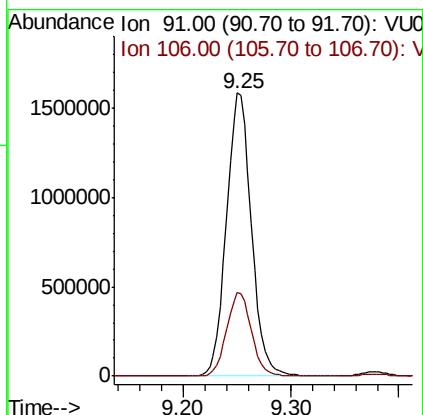
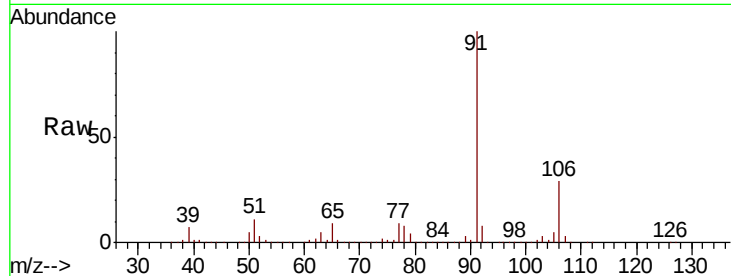




#67
Ethyl Benzene
Concen: 319.334 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

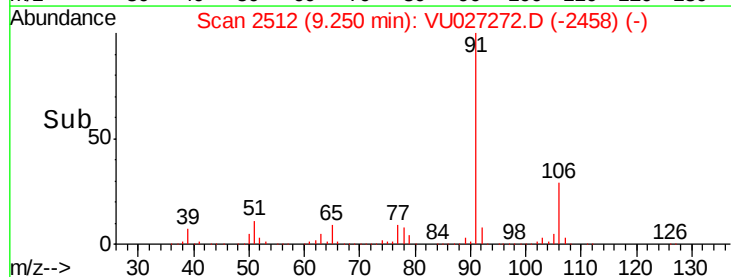
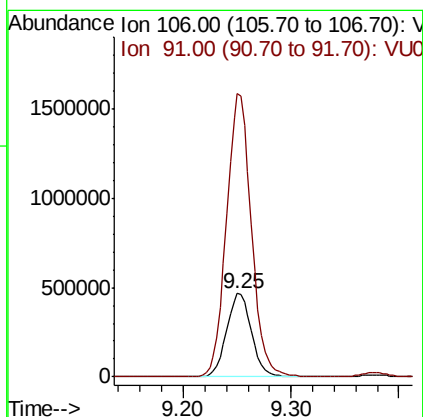
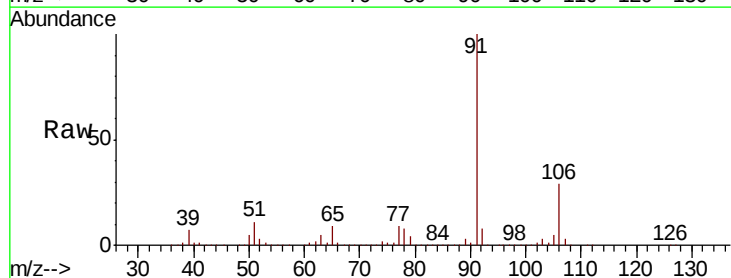
Instrument :
MSVOA_U
ClientSampleId :
S13-0251

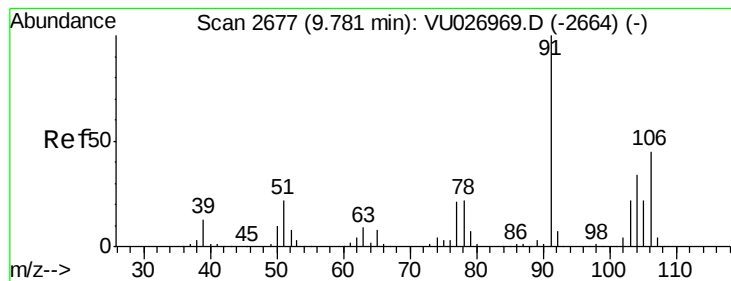
Tot Ion: 91 Resp: 2549874
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.8



#68
m/p-Xylenes
Concen: 230.675 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.12 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Tgt Ion: 106 Resp: 752395
Ion Ratio Lower Upper
106 100
91 338.9 166.5 249.7#





#69

o-Xylene

Concen: 0.446 ug/l

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

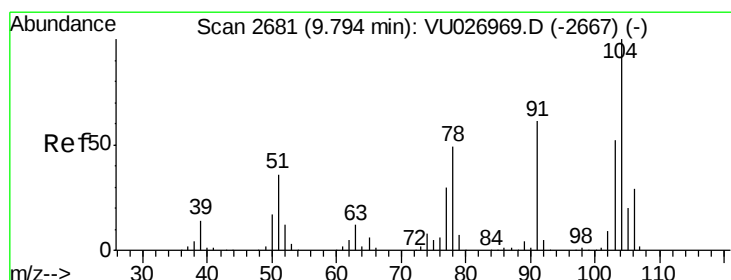
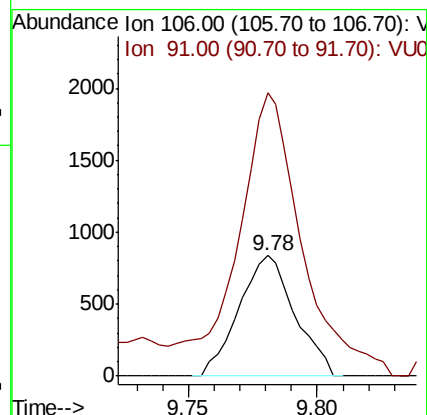
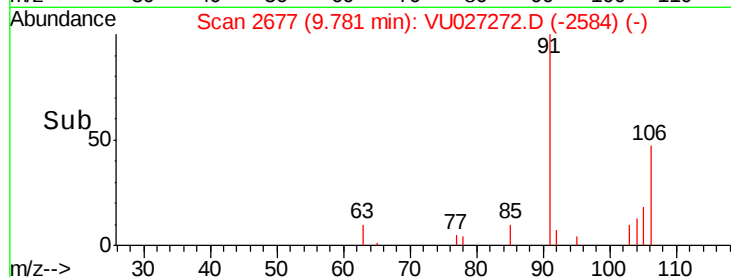
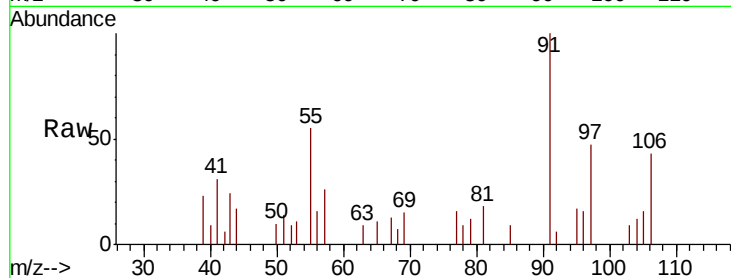
S13-0251

Tot Ion:106 Resp: 1263

Ion Ratio Lower Upper

106 100

91 263.2 110.2 330.6



#70

Styrene

Concen: 1.968 ug/l

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

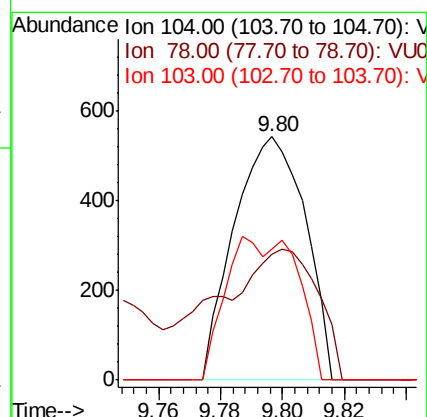
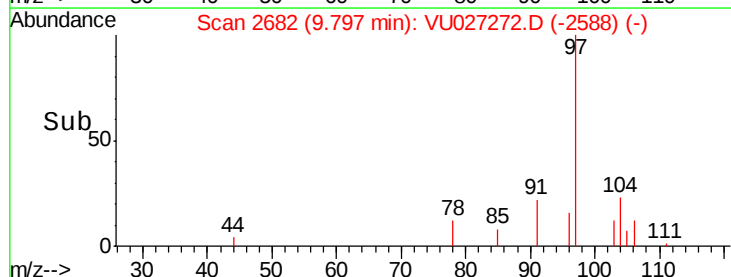
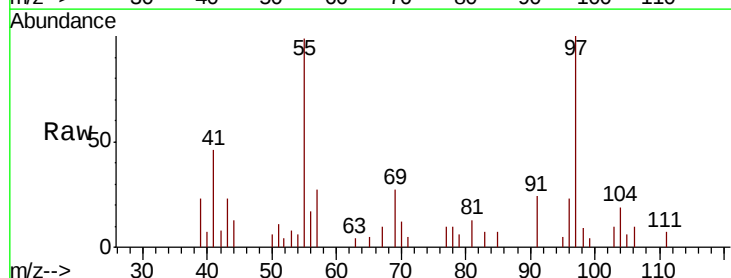
Tgt Ion:104 Resp: 866

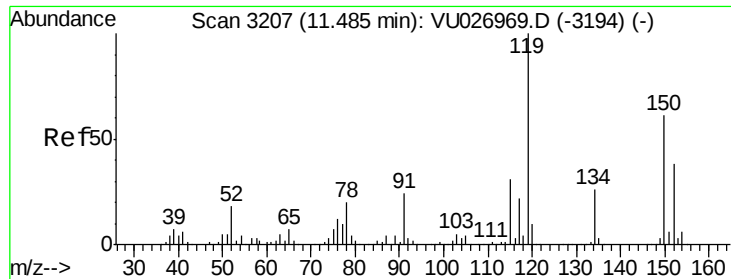
Ion Ratio Lower Upper

104 100

78 74.8 43.0 64.4#

103 32.2 44.1 66.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

S13-0251

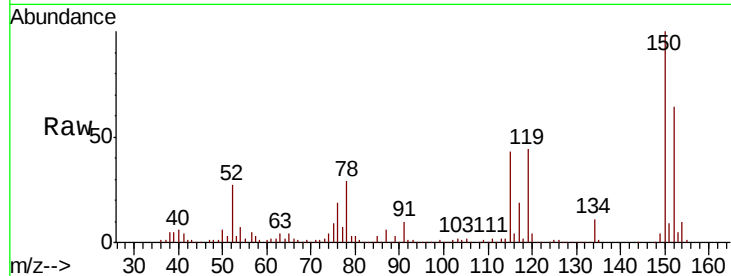
Tot Ion:152 Resp: 95446

Ion Ratio Lower Upper

152 100

115 68.0 44.9 134.5

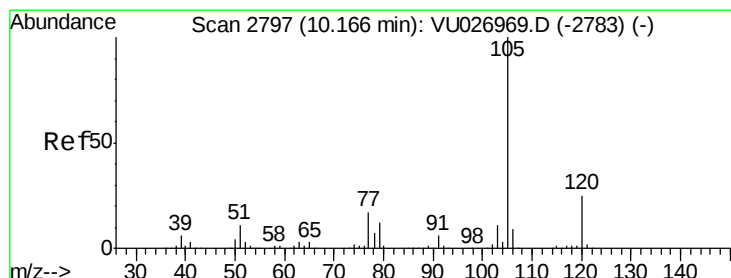
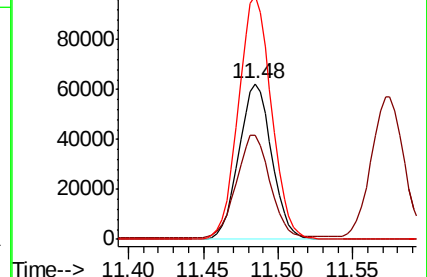
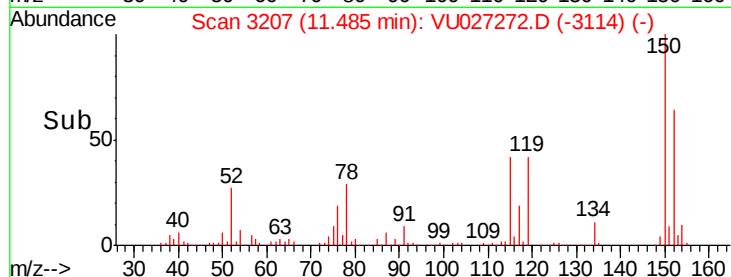
150 157.0 0.0 355.8



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: 75.525 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027272.D

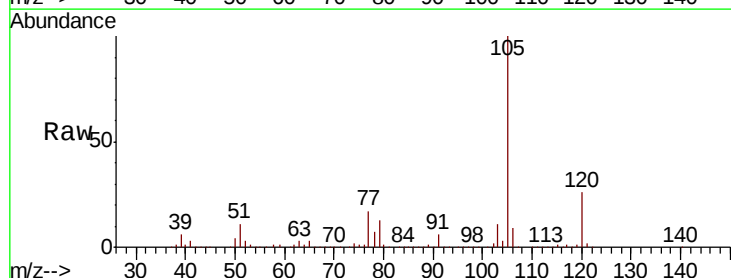
Acq: 28 Sep 2018 15:28

Tgt Ion:105 Resp: 548347

Ion Ratio Lower Upper

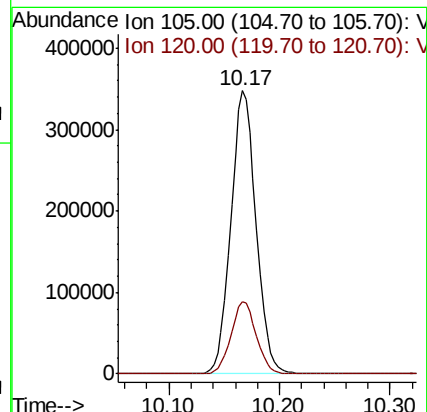
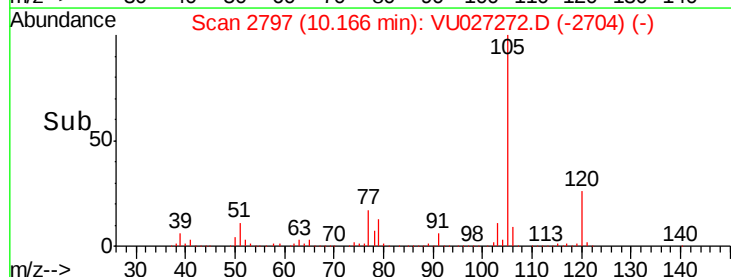
105 100

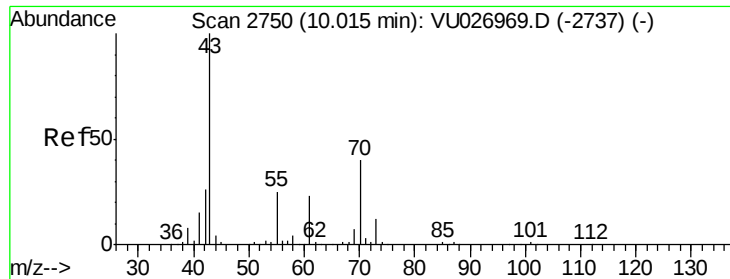
120 25.6 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.581 ug/l

RT: 10.04 min Scan# 2759

Delta R.T. 0.03 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

S13-0251

Tot Ion: 43 Resp: 6645

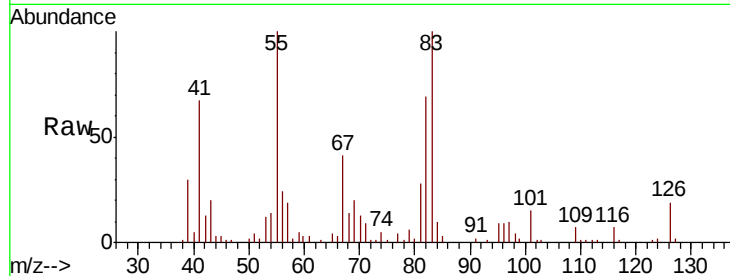
Ion Ratio Lower Upper

43 100

70 74.6 31.8 47.8#

55 473.6 19.9 29.9#

61 12.7 18.4 27.6#

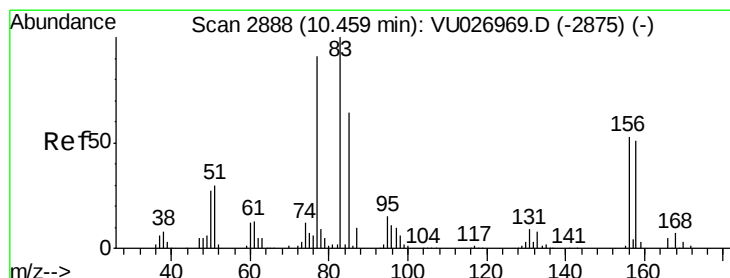
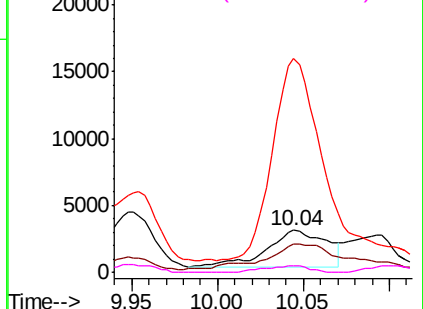
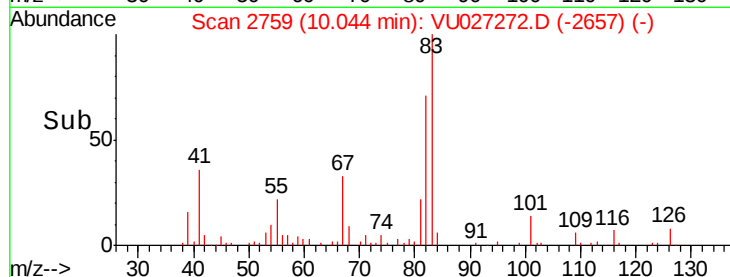


Abundance Ion 43.00 (42.70 to 43.70): VU0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.196 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.04 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

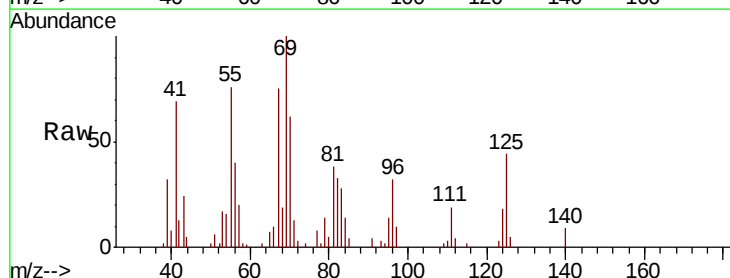
Tgt Ion: 83 Resp: 3994

Ion Ratio Lower Upper

83 100

131 0.0 4.3 12.8#

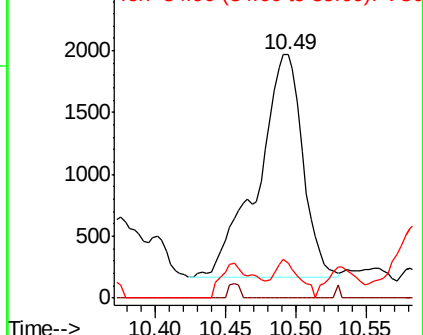
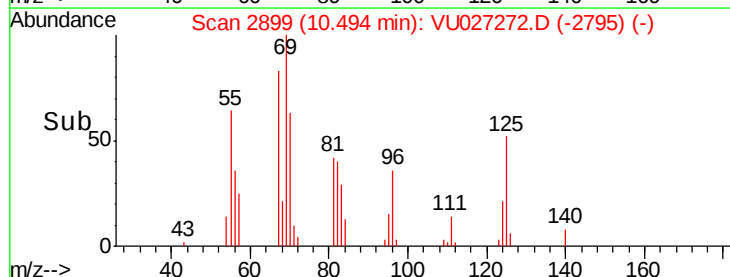
85 9.6 31.9 95.7#

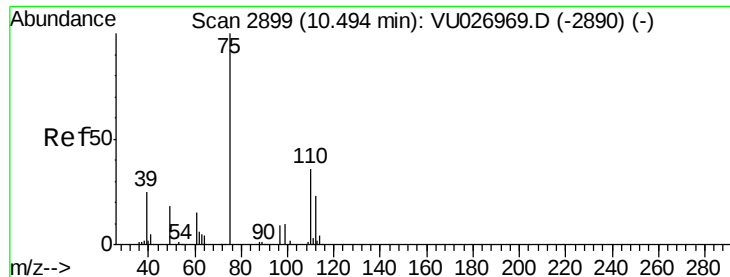


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0





#76

1,2,3-Trichloropropane

Concen: 1.630 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.09 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

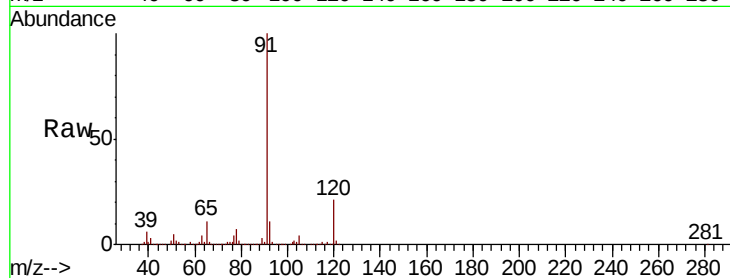
S13-0251

Tot Ion: 75 Resp: 4725

Ion Ratio Lower Upper

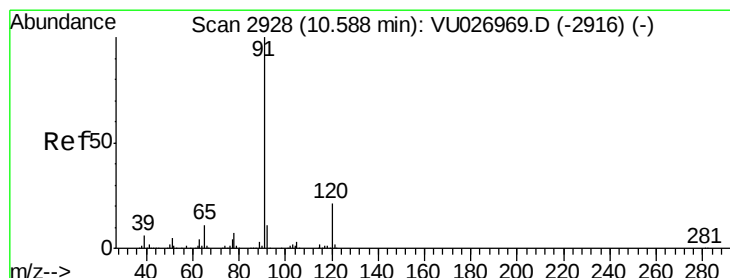
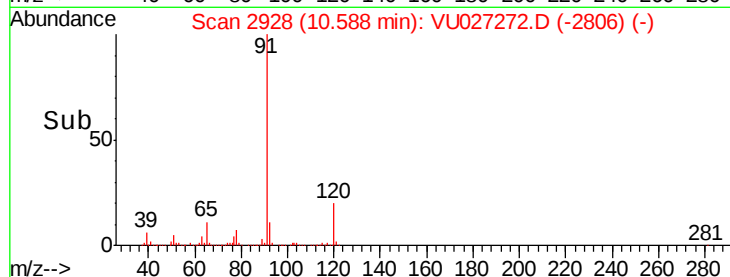
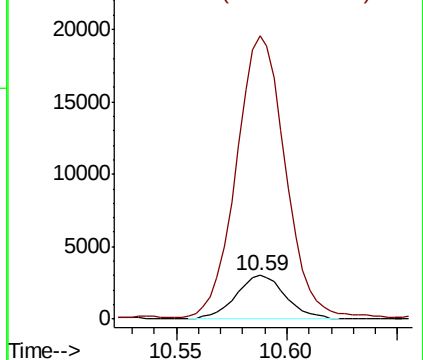
75 100

77 632.9 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#78

n-propylbenzene

Concen: 83.384 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027272.D

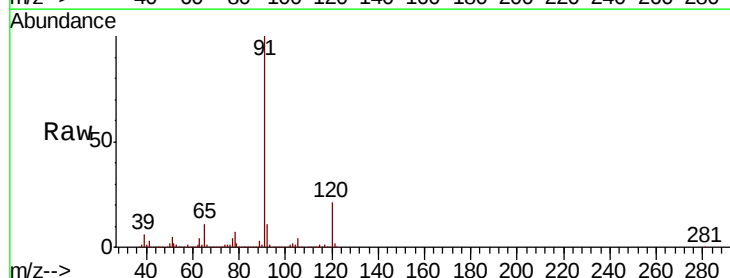
Acq: 28 Sep 2018 15:28

Tgt Ion: 91 Resp: 716338

Ion Ratio Lower Upper

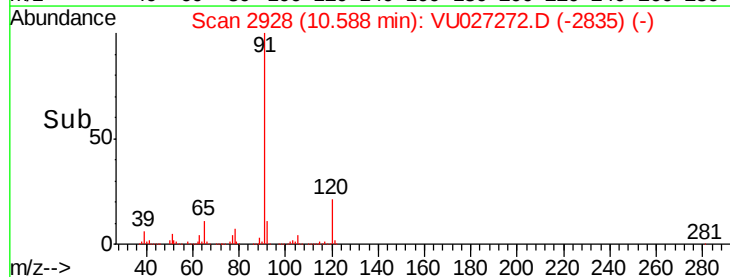
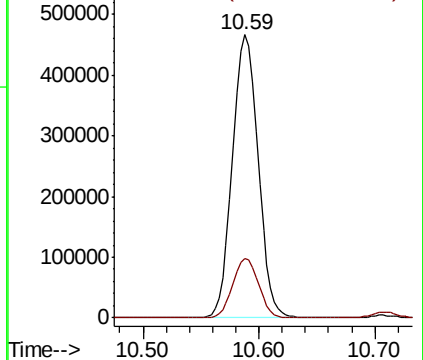
91 100

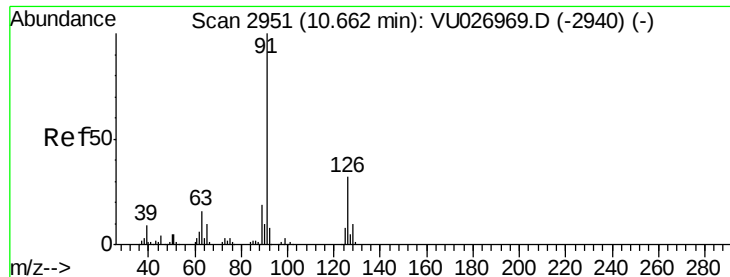
120 21.1 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 132.750 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.07 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampled :

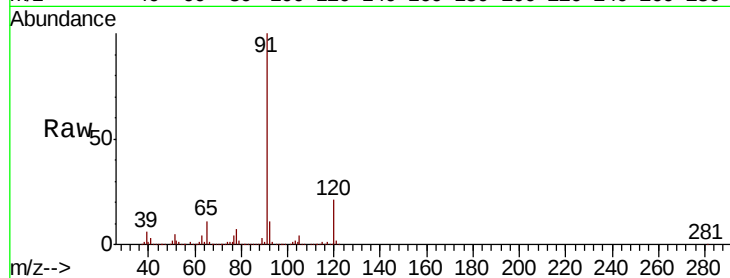
S13-0251

Tot Ion: 91 Resp: 716338

Ion Ratio Lower Upper

91 100

126 0.0 15.8 47.3#



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU026969.D (-2940) (-)

10.59

500000

400000

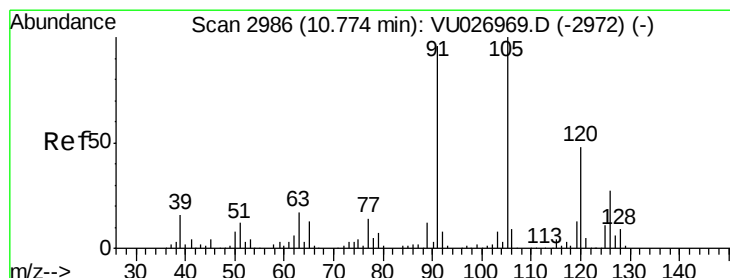
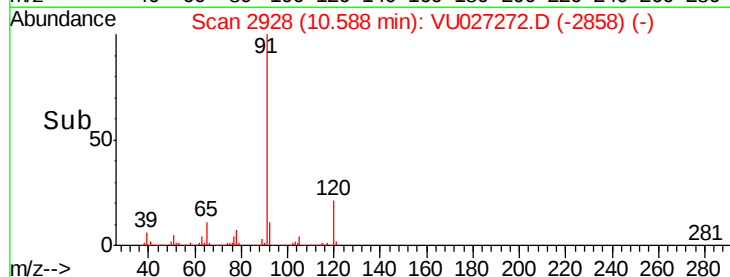
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 102.002 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU027272.D

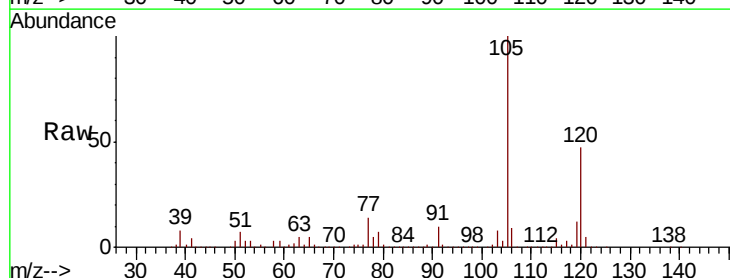
Acq: 28 Sep 2018 15:28

Tgt Ion:105 Resp: 611331

Ion Ratio Lower Upper

105 100

120 47.3 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU026969.D (-2972) (-)

10.77

400000

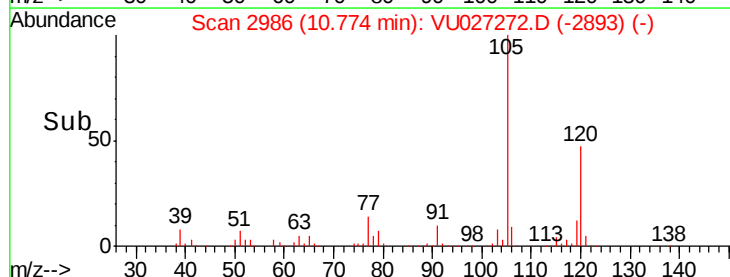
300000

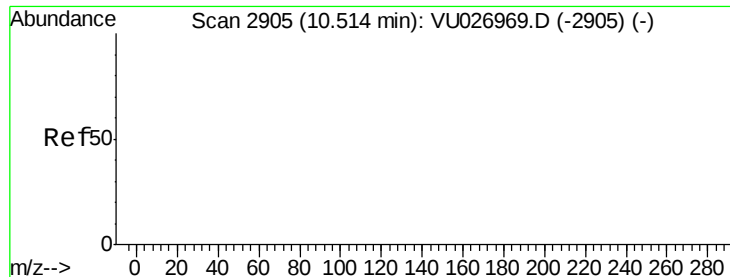
200000

100000

0

Time-->

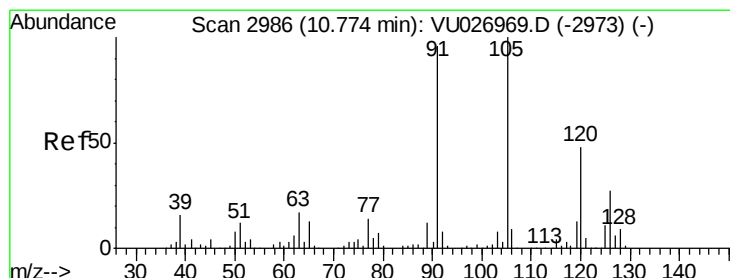
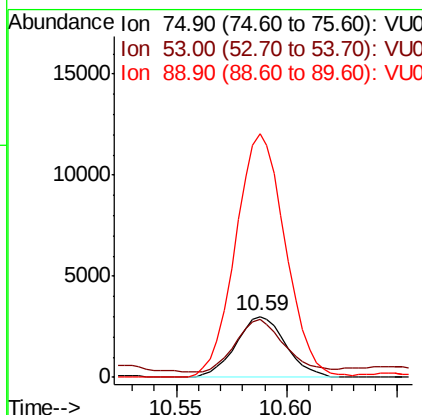
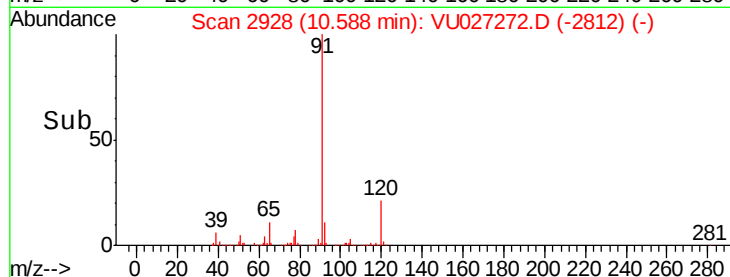
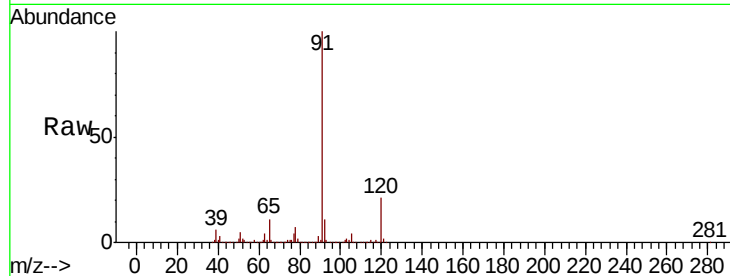




#81
trans-1,4-Dichloro-2-butene
Concen: 5.215 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. 0.07 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

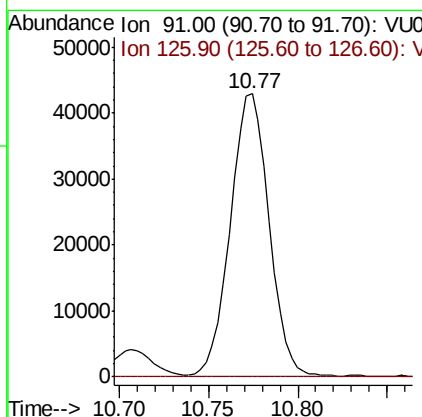
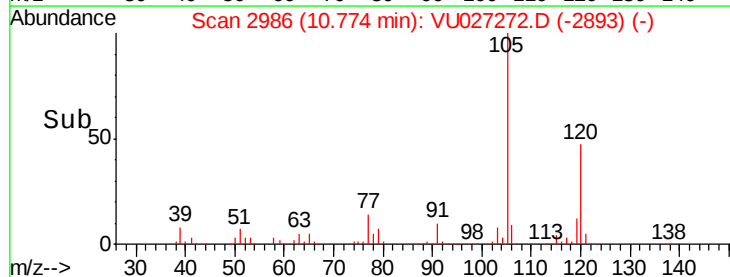
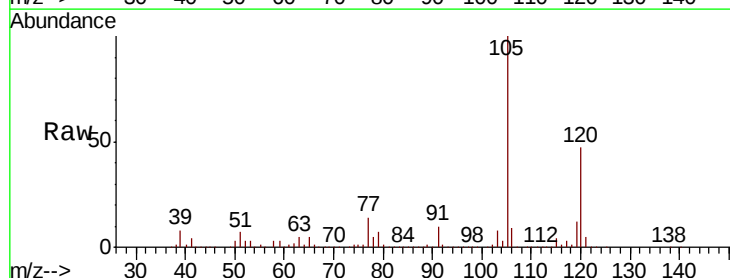
Instrument :
MSVOA_U
ClientSampleId :
S13-0251

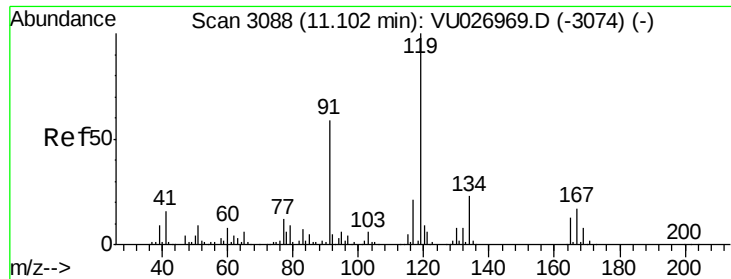
Tot Ion: 75 Resp: 4725
Ion Ratio Lower Upper
75 100
53 85.3 0.0 0.0#
89 400.5 0.0 0.0#



#82
4-Chlorotoluene
Concen: 10.645 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. -0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Tgt Ion: 91 Resp: 64410
Ion Ratio Lower Upper
91 100
126 0.0 14.1 42.2#

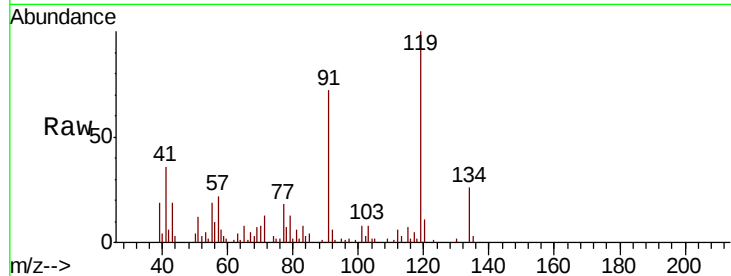




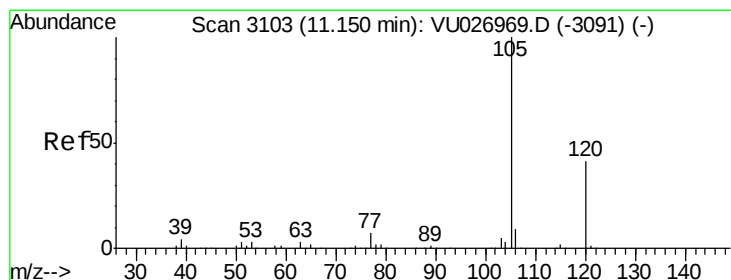
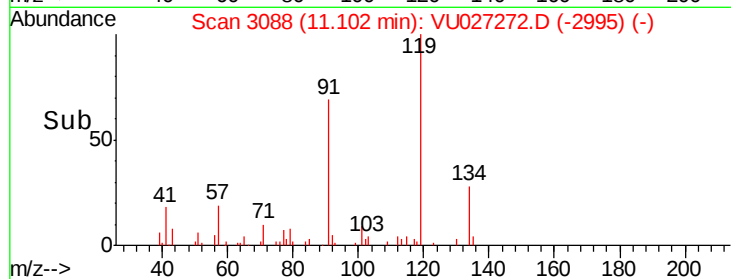
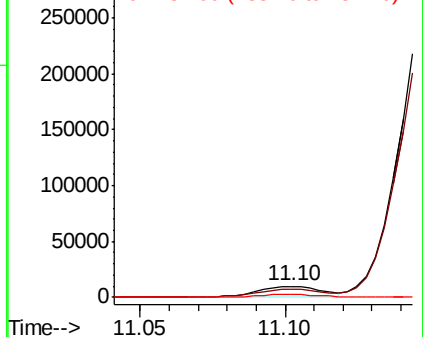
#83
tert-Butylbenzene
Concen: 2.575 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Instrument :
MSVOA_U
ClientSampled :
S13-0251

Tot Ion:119 Resp: 15257
Ion Ratio Lower Upper
119 100
91 0.0 29.8 89.4#
134 25.6 11.5 34.4

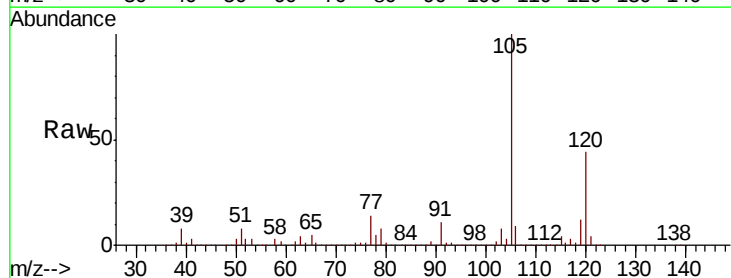


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU
Ion 134.00 (133.70 to 134.70): V

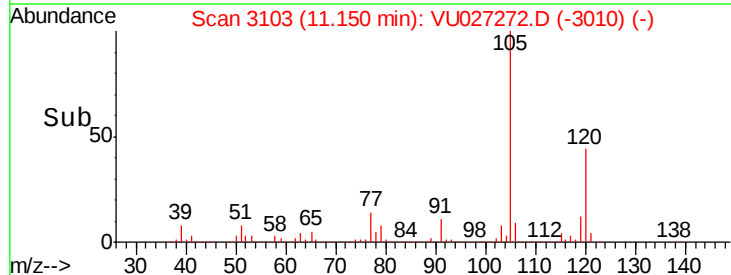
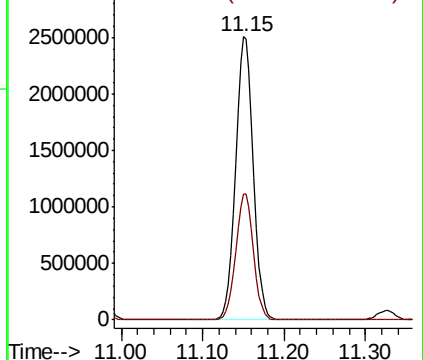


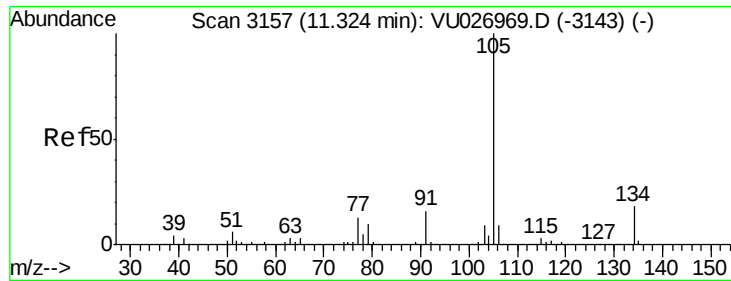
#84
1,2,4-Trimethylbenzene
Concen: 619.419 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Tgt Ion:105 Resp: 3778066
Ion Ratio Lower Upper
105 100
120 44.7 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

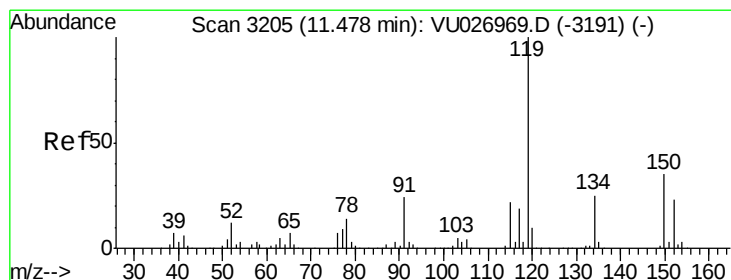
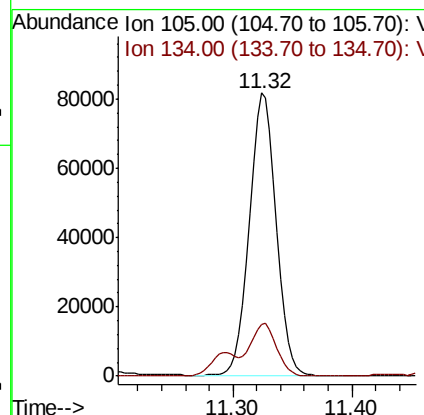
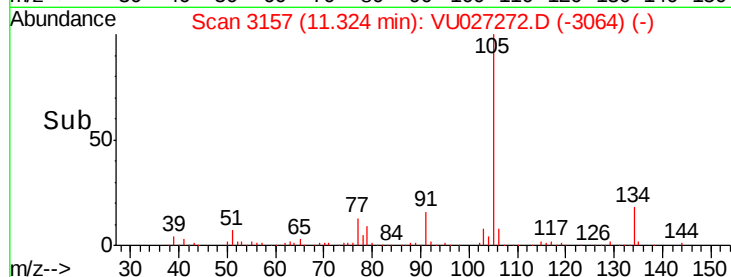
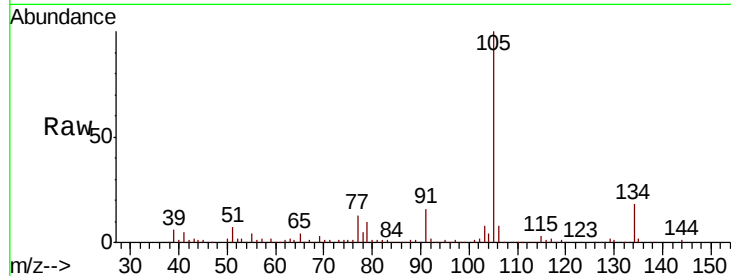




#85
 sec-Butylbenzene
 Concen: 17.527 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

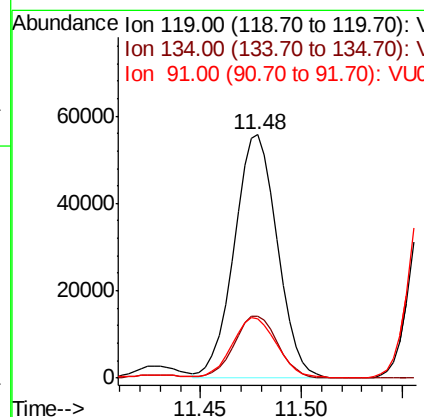
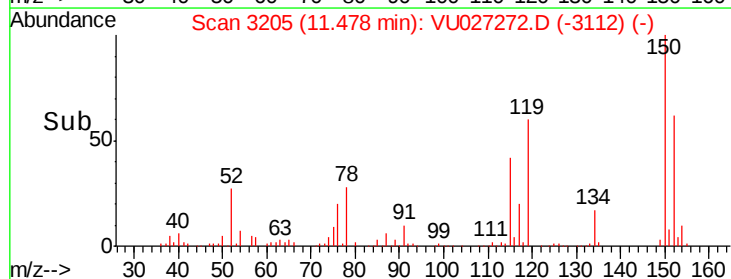
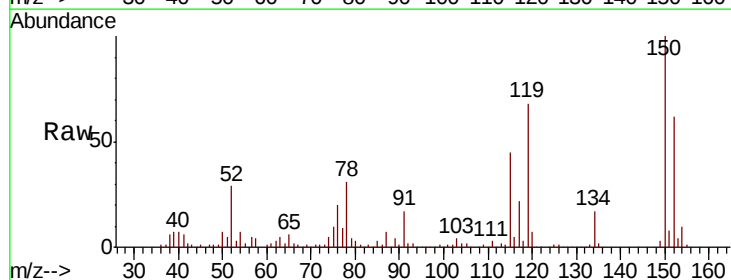
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0251

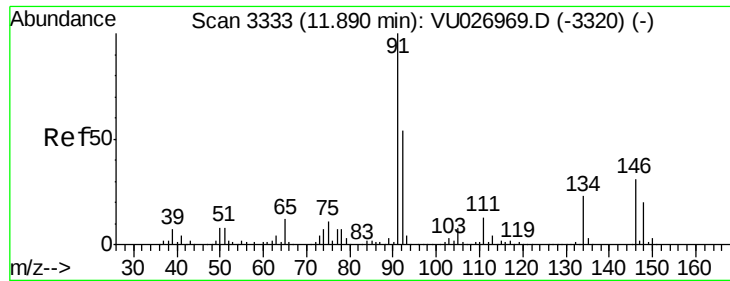
Tot Ion:105 Resp: 126775
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 13.016 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

Tgt Ion:119 Resp: 83595
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.8 38.3
 91 25.9 12.3 36.8

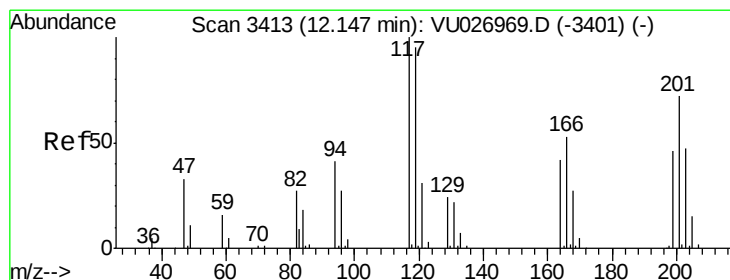
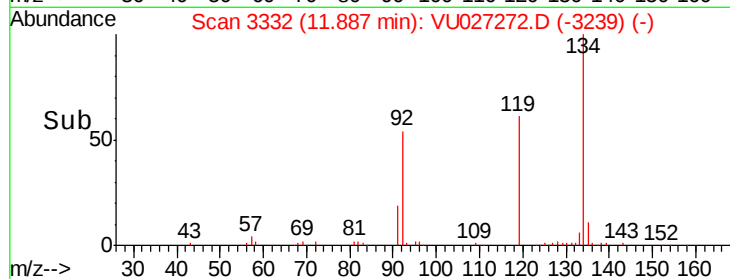
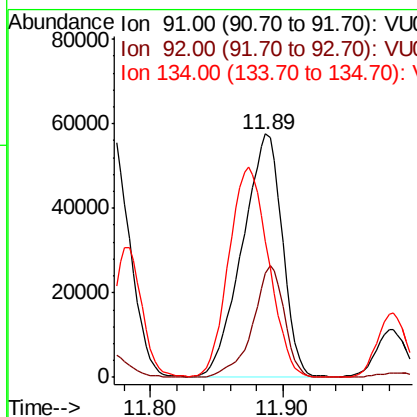
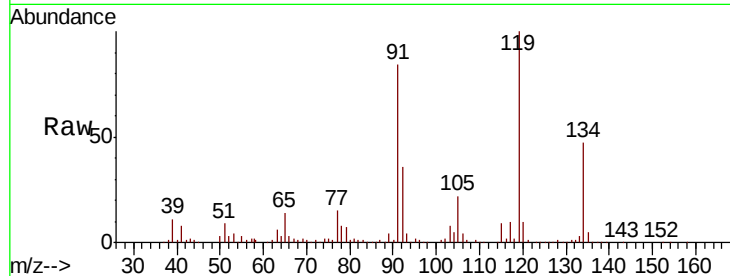




#89
n-Butylbenzene
Concen: 19.698 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

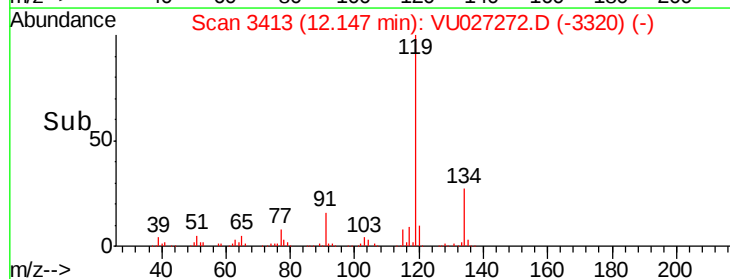
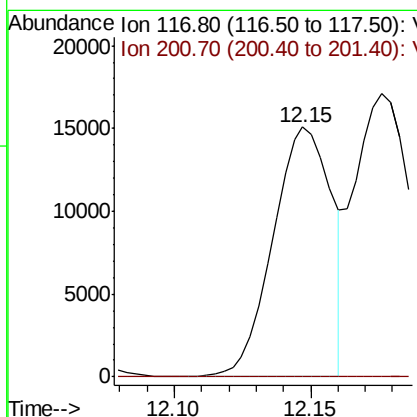
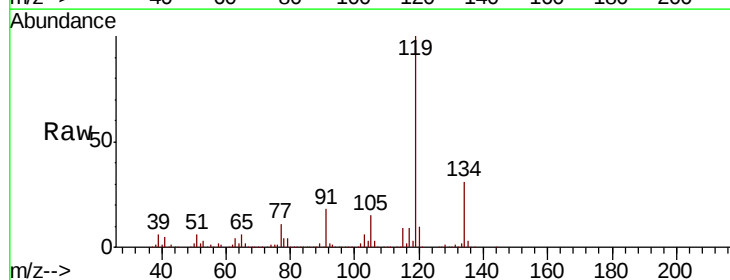
Instrument :
MSVOA_U
ClientSampleId :
S13-0251

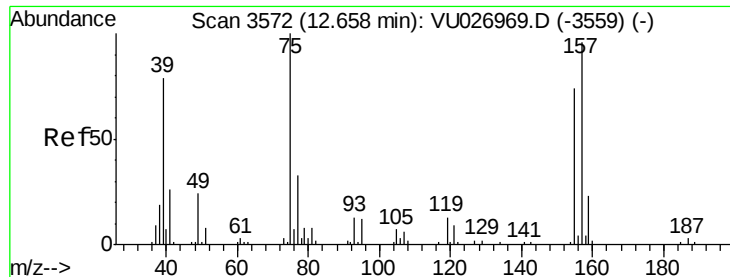
Tot Ion: 91 Resp: 119576
Ion Ratio Lower Upper
91 100
92 36.5 27.1 81.2
134 86.9 11.7 35.0#



#90
Hexachloroethane
Concen: 17.106 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Tgt Ion: 117 Resp: 22500
Ion Ratio Lower Upper
117 100
201 0.0 36.8 110.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.301 ug/l

RT: 12.65 min Scan# 3570

Delta R.T. -0.01 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampled :

S13-0251

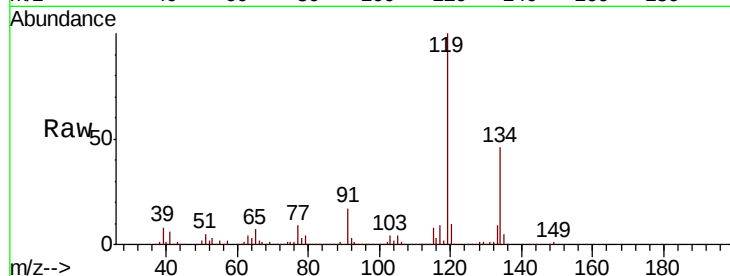
Tot Ion: 75 Resp: 2248

Ion Ratio Lower Upper

75 100

155 0.0 36.6 109.8#

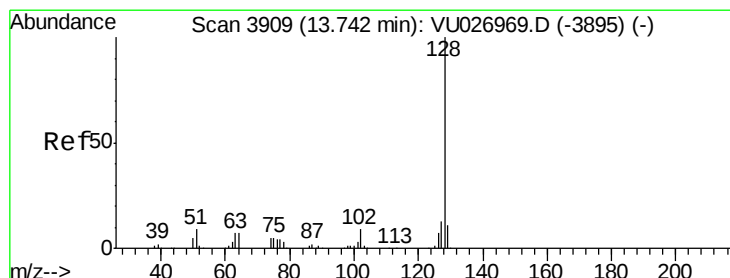
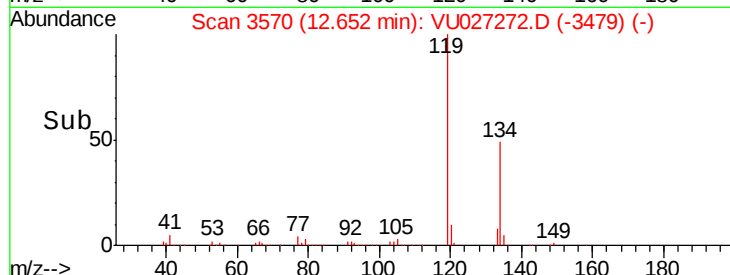
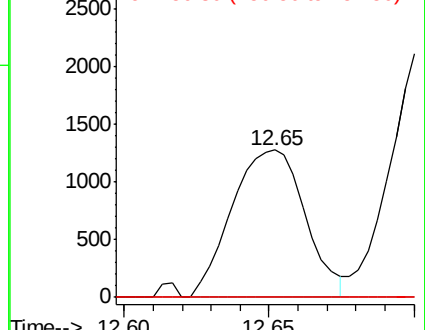
157 0.0 47.4 142.2#



Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-3559) (-)

Ion 154.80 (154.50 to 155.50): VU026969.D (-3559) (-)

Ion 156.80 (156.50 to 157.50): VU026969.D (-3559) (-)



#95

Naphthalene

Concen: 190.718 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

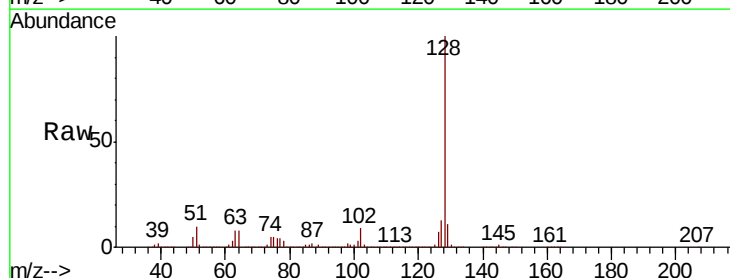
Tgt Ion: 128 Resp: 1545931

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 11.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VU026969.D (-3895) (-)

Ion 127.00 (126.70 to 127.70): VU026969.D (-3895) (-)

Ion 129.00 (128.70 to 129.70): VU026969.D (-3895) (-)

