

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
 Data File : VU027278.D
 Acq On : 28 Sep 2018 17:48
 Operator : MD/SY
 Sample : J5104-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FA18-JEB5-3

Quant Time: Sep 29 00:07:59 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	130241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	215926	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	203596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	103926	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	116735	44.53	ug/l	0.00
Spiked Amount			Recovery	=	89.06%	
35) Dibromofluoromethane	4.88	113	85857	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
50) Toluene-d8	7.57	98	341565	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
62) 4-Bromofluorobenzene	10.31	95	117456	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.40	50	1453	0.496	ug/l #	81
4) Vinyl Chloride	1.40	62	1530	0.559	ug/l #	1
6) Chloroethane	1.51	64	27449	15.698	ug/l #	53
11) Tert butyl alcohol	2.84	59	1130	1.881	ug/l #	72
13) Acrolein	2.19	56	543	1.677	ug/l #	1
14) Allyl chloride	2.71	41	31059	8.513	ug/l #	56
15) Acrylonitrile	3.00	53	313	0.207	ug/l #	29
16) Acetone	2.32	43	133722	85.092	ug/l	98
17) Carbon Disulfide	2.64	76	914797	156.110	ug/l	100
18) Methyl Acetate	2.71	43	82938	22.230	ug/l #	55
23) Vinyl Acetate	3.31	43	2653	0.399	ug/l #	77
25) 2-Butanone	4.27	43	99334	45.092	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	15610	7.197	ug/l	88
31) Cyclohexane	5.00	56	20114	4.626	ug/l #	86
36) 1,1-Dichloropropene	4.99	75	11592	4.023	ug/l #	51
37) Ethyl Acetate	4.27	43	99334	25.463	ug/l #	70
38) Carbon Tetrachloride	4.99	117	13092	4.774	ug/l #	17
39) Methylcyclohexane	6.42	83	7525	2.403	ug/l	97
40) Benzene	5.39	78	12933	1.476	ug/l	99
41) Methacrylonitrile	4.57	41	5756	2.841	ug/l #	44
43) Isopropyl Acetate	5.54	43	9356	1.644	ug/l #	62
44) Trichloroethene	6.19	130	1864	0.999	ug/l	95
48) Methyl methacrylate	6.64	41	601	1.202	ug/l #	29
51) 4-Methyl-2-Pentanone	7.47	43	2953	0.772	ug/l	95
52) Toluene	7.64	92	8464	1.686	ug/l	95
56) Ethyl methacrylate	7.95	69	64	2.210	ug/l #	50
58) 2-Chloroethyl Vinyl ether	7.33	63	154	4.933	ug/l #	52
59) 2-Hexanone	8.37	43	6008	2.006	ug/l	99
67) Ethyl Benzene	9.25	91	15225	1.715	ug/l	97
68) m/p-Xylenes	9.38	106	17122	6.192	ug/l	98
69) o-Xylene	9.78	106	3107	0.988	ug/l	98
70) Styrene	9.78	104	171	1.838	ug/l #	1
73) Isopropylbenzene	10.17	105	3626	0.459	ug/l	94
74) N-amyl acetate	10.05	43	3127	0.683	ug/l #	55

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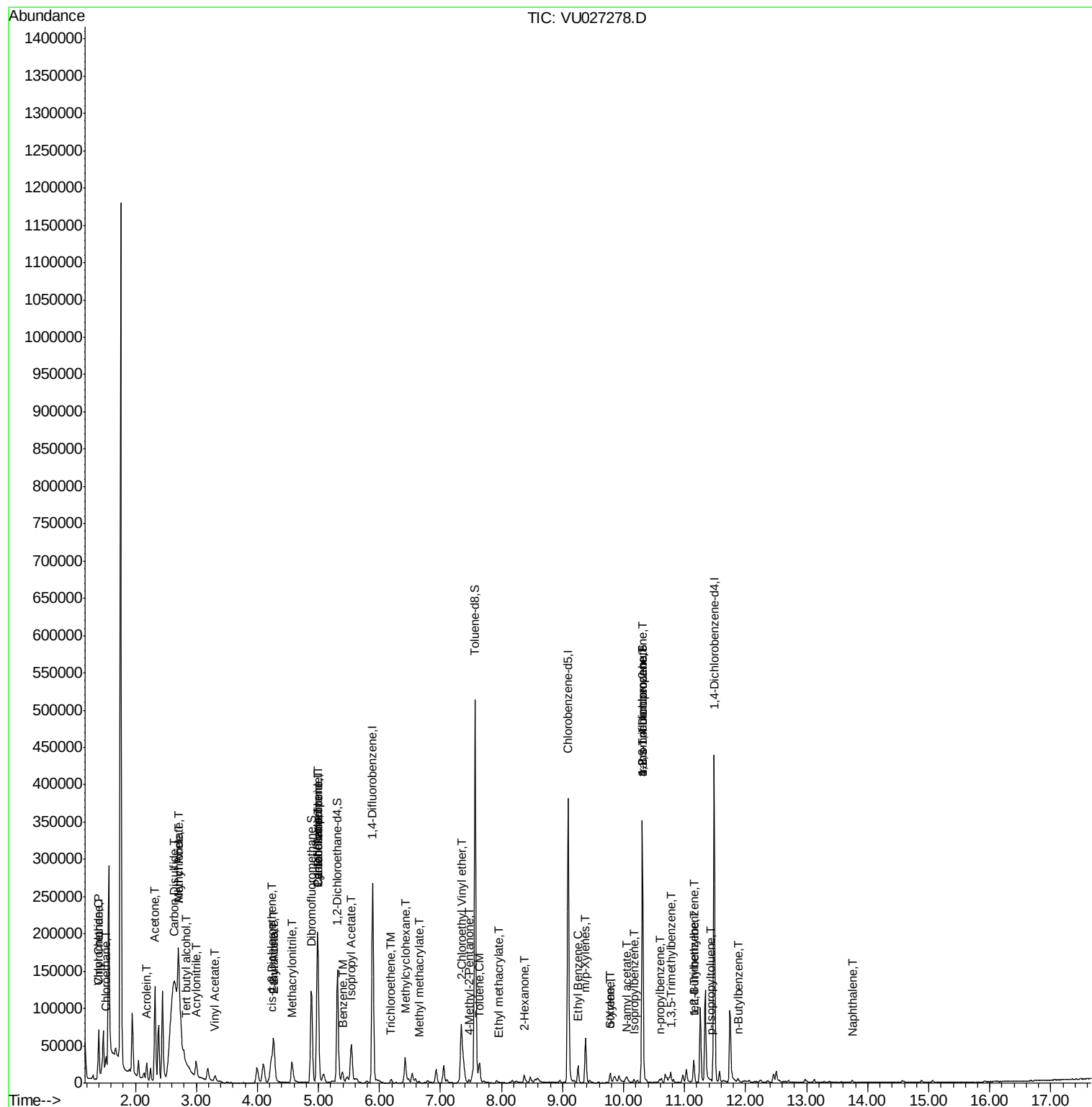
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,2,3-Trichloropropane	10.31	75	62228	19.710	ug/l #	36
78) n-propylbenzene	10.59	91	4019	0.430	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	7209	1.105	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.31	75	62228	63.074	ug/l #	100
83) tert-Butylbenzene	11.15	119	1634	0.253	ug/l #	60
84) 1,2,4-Trimethylbenzene	11.15	105	14336	2.159	ug/l	91
86) p-Isopropyltoluene	11.43	119	1327	1.104	ug/l	95
89) n-Butylbenzene	11.88	91	708	2.487	ug/l #	21
95) Naphthalene	13.75	128	2714	1.994	ug/l #	93

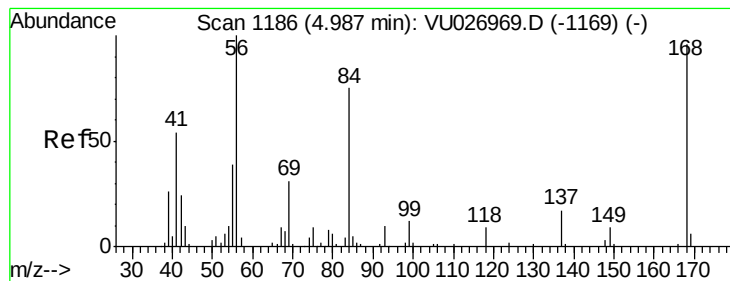
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

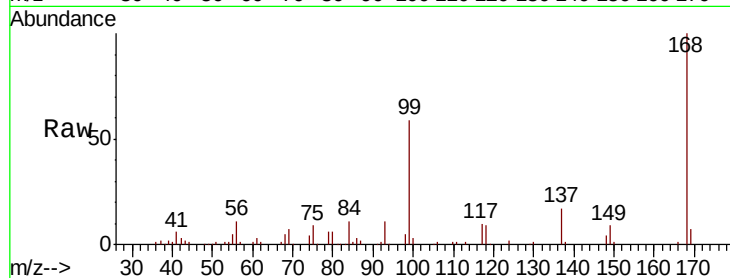
FA18-JEB5-3

Tgt Ion:168 Resp: 130241

Ion Ratio Lower Upper

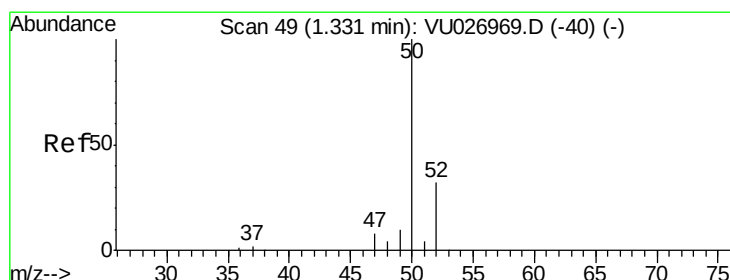
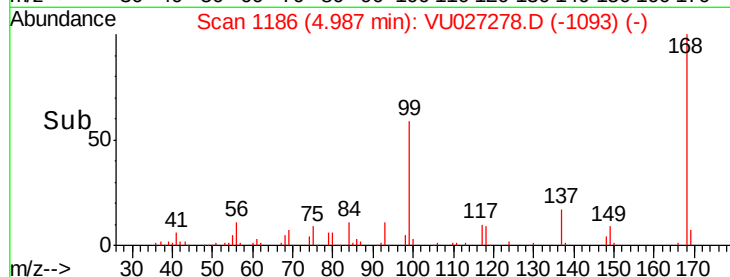
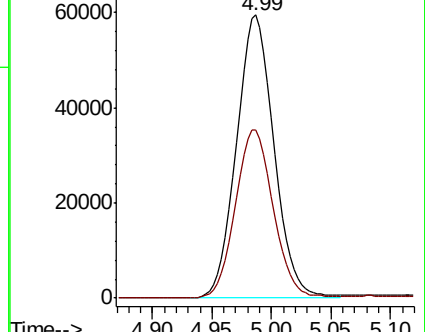
168 100

99 59.3 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) (-)



#3

Chloromethane

Concen: 0.496 ug/l

RT: 1.40 min Scan# 69

Delta R.T. 0.06 min

Lab File: VU027278.D

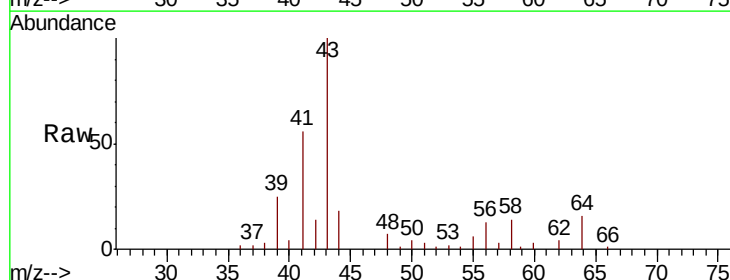
Acq: 28 Sep 2018 17:48

Tgt Ion: 50 Resp: 1453

Ion Ratio Lower Upper

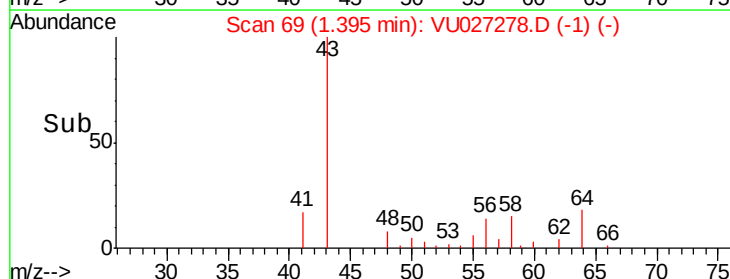
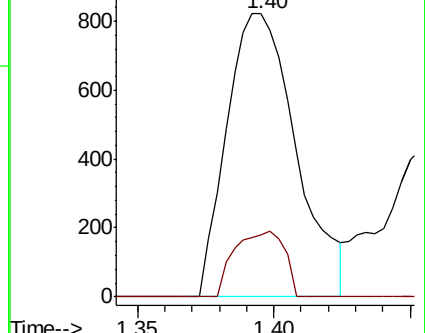
50 100

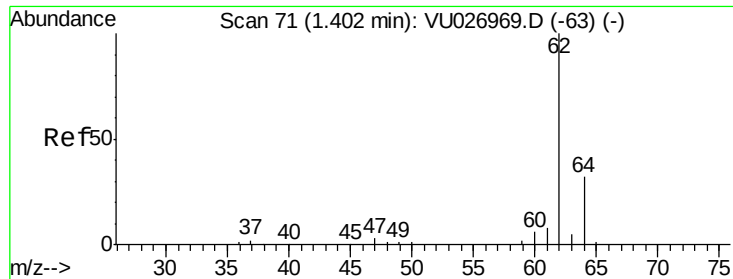
52 22.0 25.9 38.9#



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

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





#4

Vinyl Chloride

Concen: 0.559 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

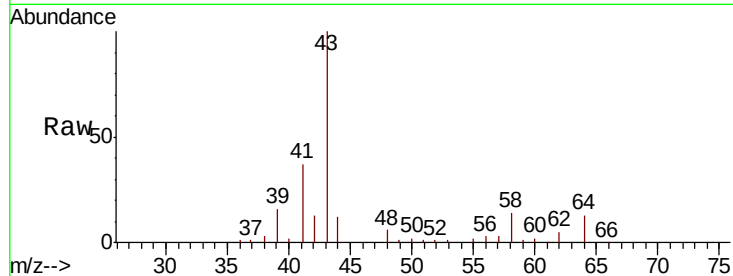
FA18-JEB5-3

Tgt Ion: 62 Resp: 1530

Ion Ratio Lower Upper

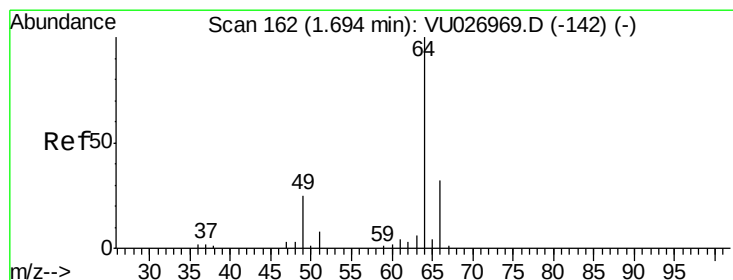
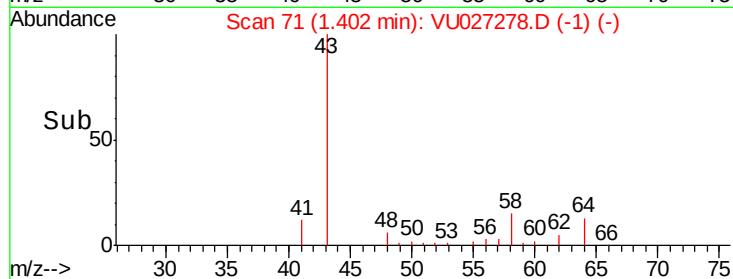
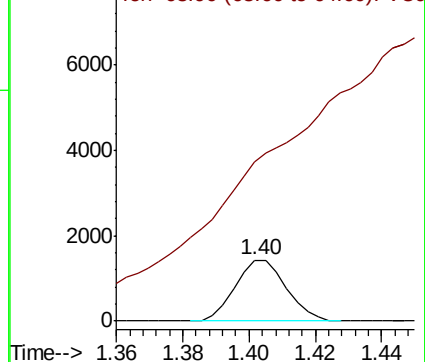
62 100

64 122.4 25.5 38.3#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#6

Chloroethane

Concen: 15.698 ug/l

RT: 1.51 min Scan# 106

Delta R.T. -0.18 min

Lab File: VU027278.D

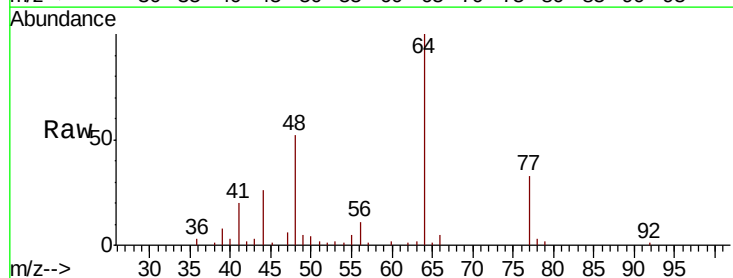
Acq: 28 Sep 2018 17:48

Tgt Ion: 64 Resp: 27449

Ion Ratio Lower Upper

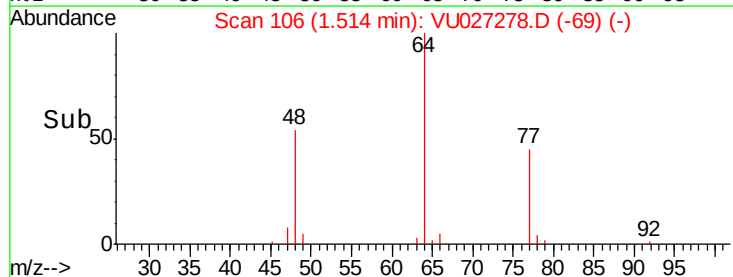
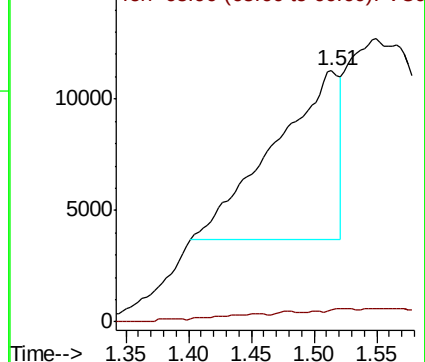
64 100

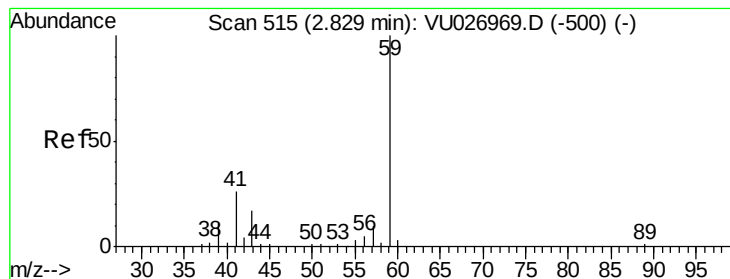
66 5.5 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



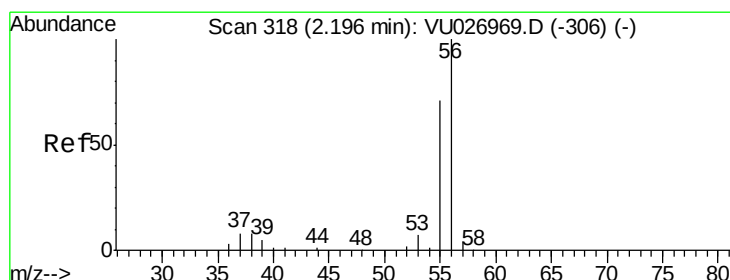
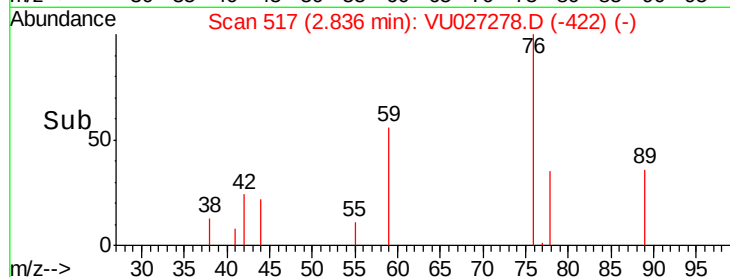
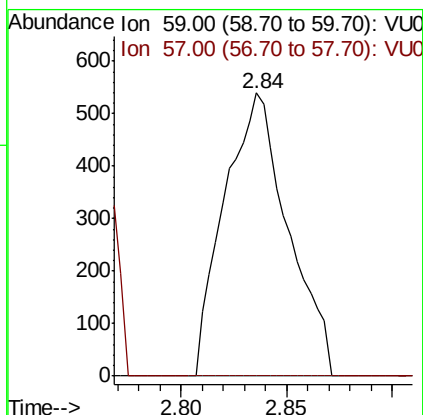
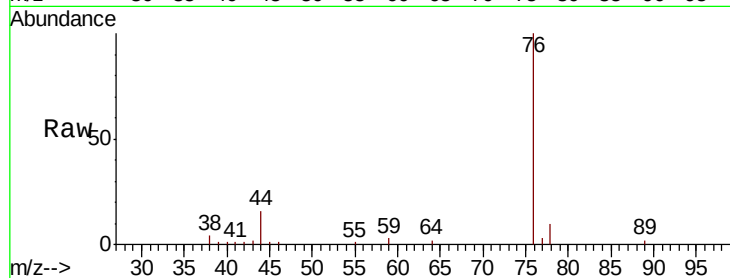


#11

Tert butyl alcohol
Concen: 1.881 ug/l
RT: 2.84 min Scan# 517
Delta R.T. 0.01 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-3

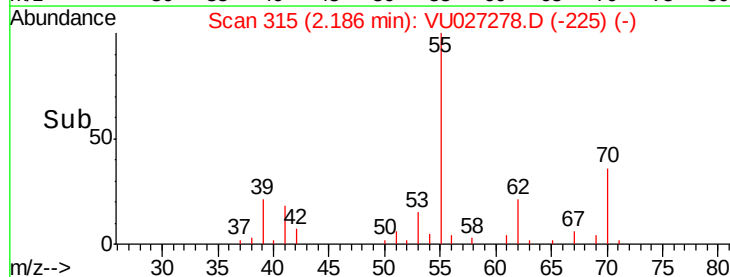
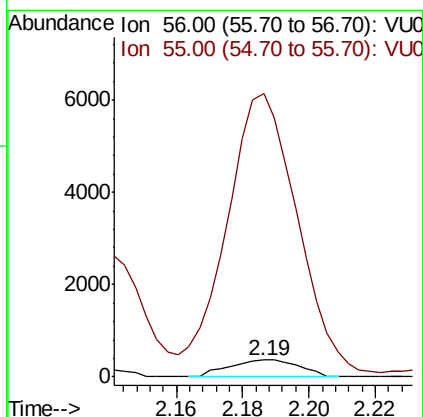
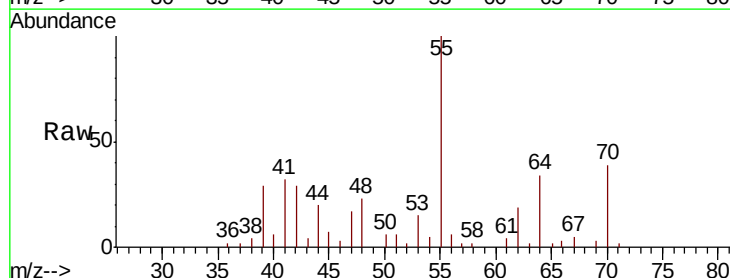
Tgt Ion: 59 Resp: 1130
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

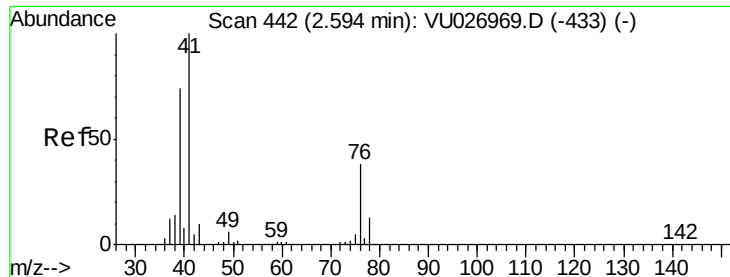


#13

Acrolein
Concen: 1.677 ug/l
RT: 2.19 min Scan# 315
Delta R.T. -0.01 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Tgt Ion: 56 Resp: 543
Ion Ratio Lower Upper
56 100
55 1692.1 57.1 85.7#

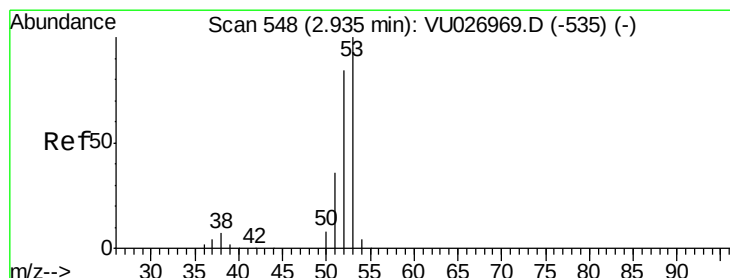
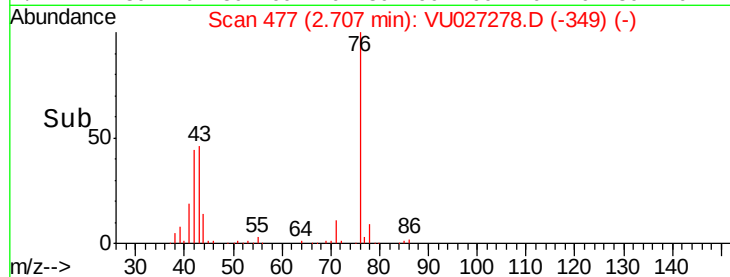
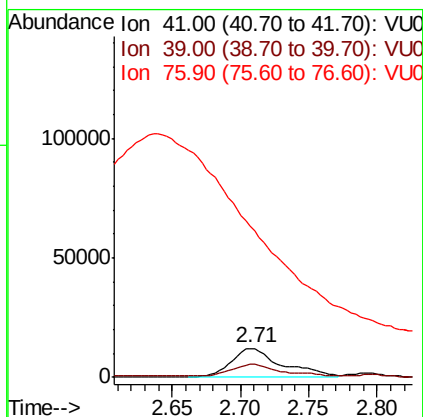
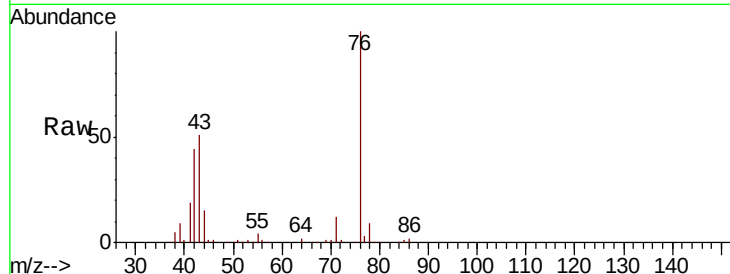




#14
 Allyl chloride
 Concen: 8.513 ug/l
 RT: 2.71 min Scan# 477
 Delta R.T. 0.11 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

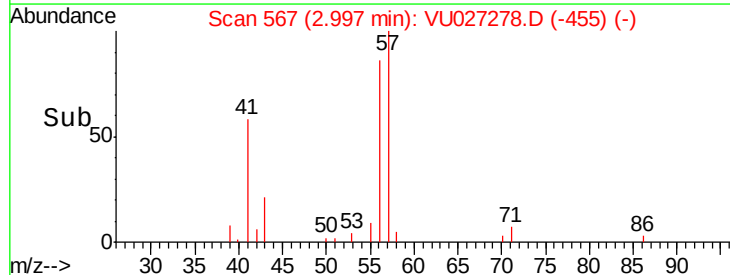
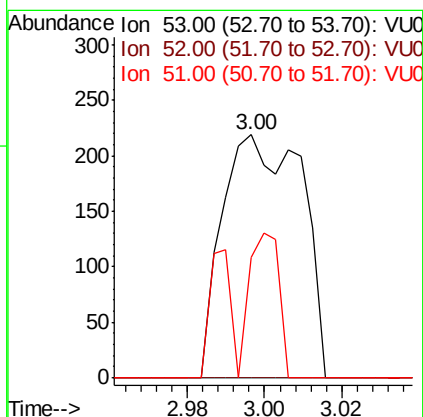
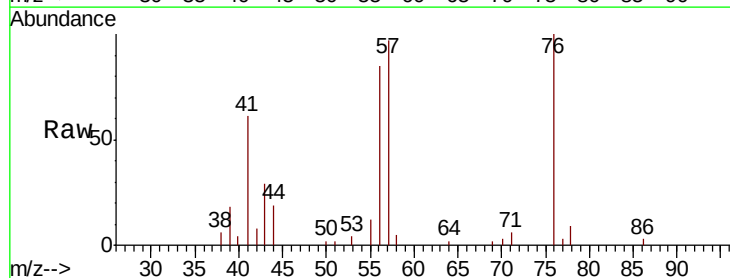
Instrument :
 MSVOA_U
 ClientSampleId :
 FA18-JEB5-3

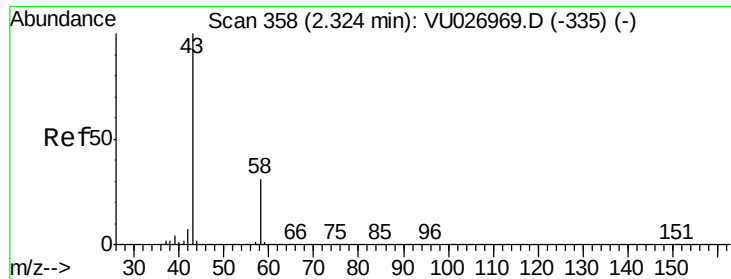
Tgt Ion: 41 Resp: 31059
 Ion Ratio Lower Upper
 41 100
 39 39.5 55.7 83.5#
 76 0.0 26.5 39.7#



#15
 Acrylonitrile
 Concen: 0.207 ug/l
 RT: 3.00 min Scan# 567
 Delta R.T. 0.06 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

Tgt Ion: 53 Resp: 313
 Ion Ratio Lower Upper
 53 100
 52 0.0 65.7 98.5#
 51 22.4 27.4 41.2#





#16

Acetone

Concen: 85.092 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

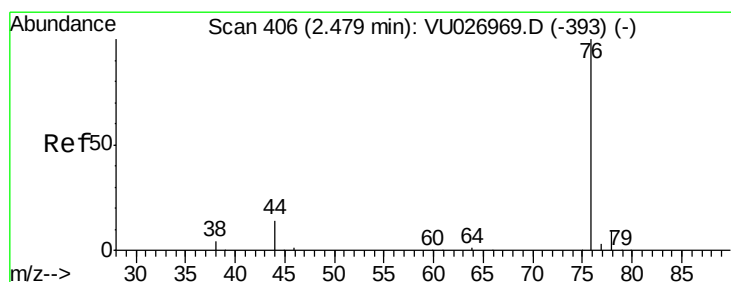
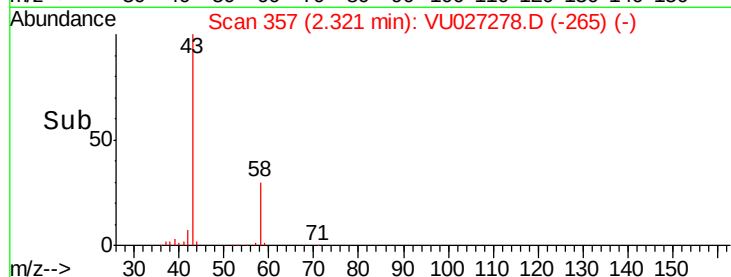
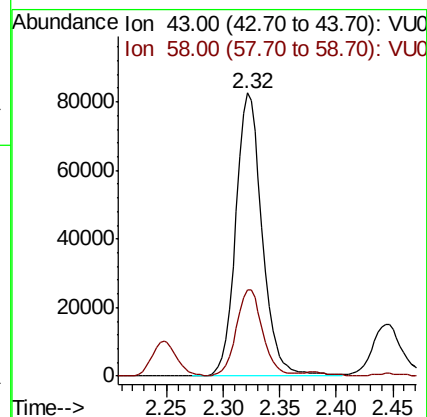
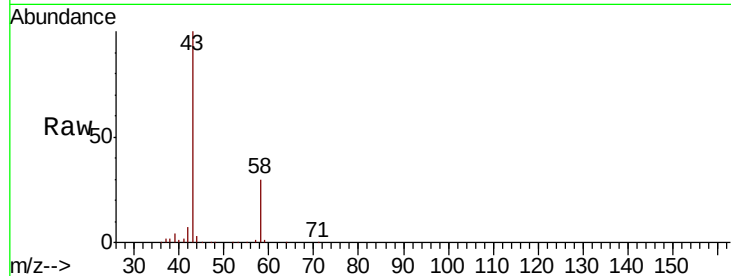
FA18-JEB5-3

Tgt Ion: 43 Resp: 133722

Ion Ratio Lower Upper

43 100

58 29.9 24.6 36.8



#17

Carbon Disulfide

Concen: 156.110 ug/l

RT: 2.64 min Scan# 455

Delta R.T. 0.16 min

Lab File: VU027278.D

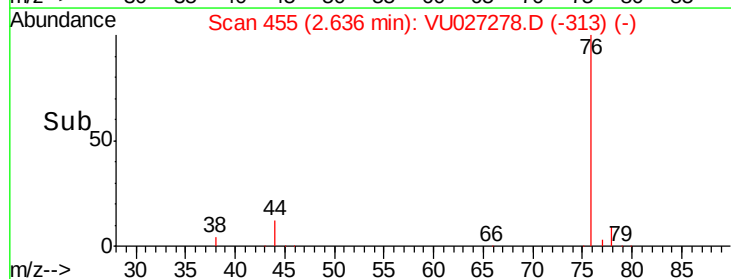
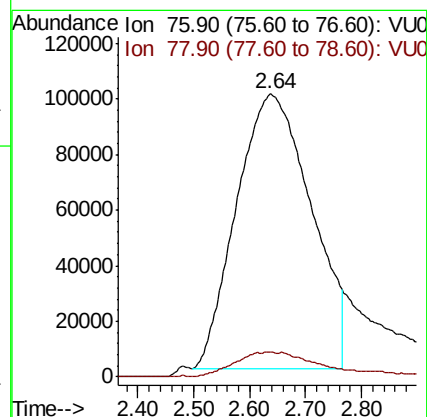
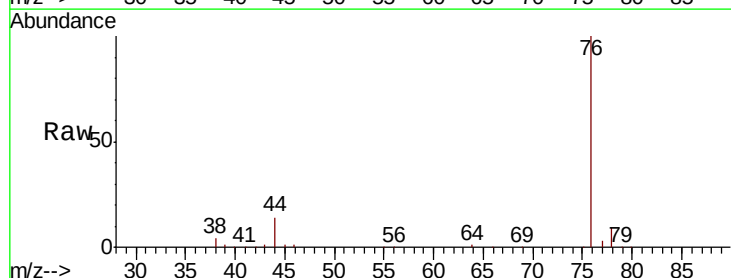
Acq: 28 Sep 2018 17:48

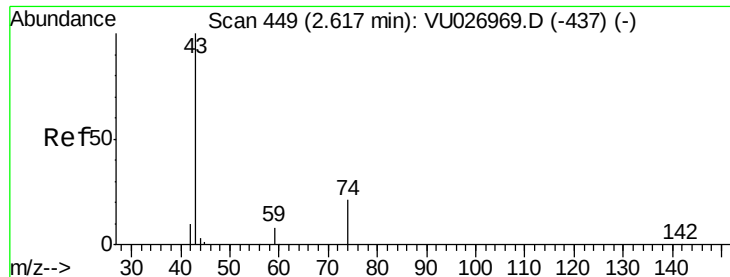
Tgt Ion: 76 Resp: 914797

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

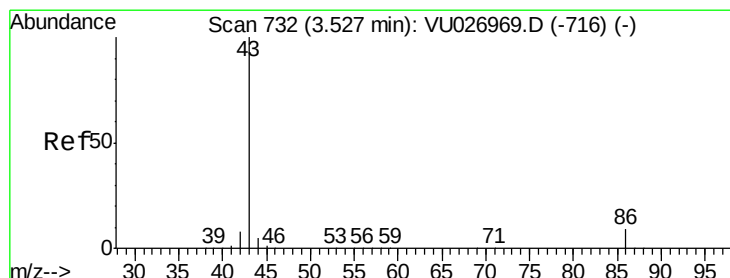
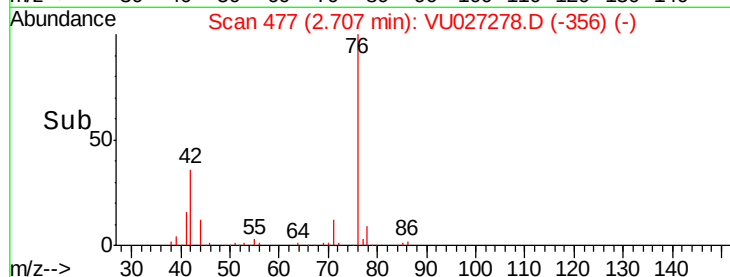
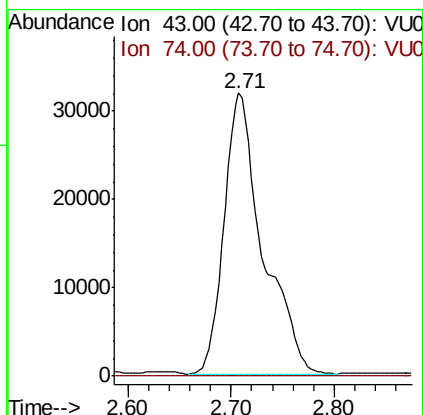
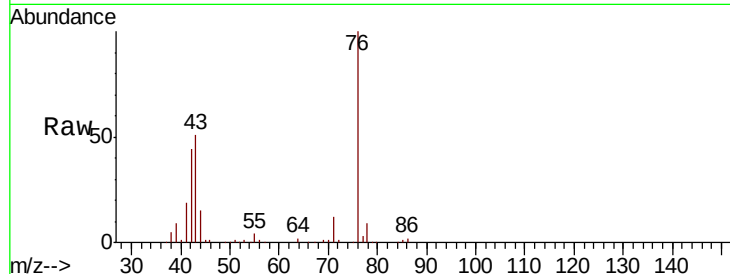




#18
Methyl Acetate
Concen: 22.230 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.09 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

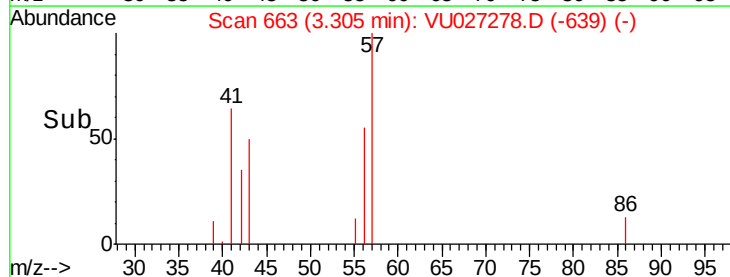
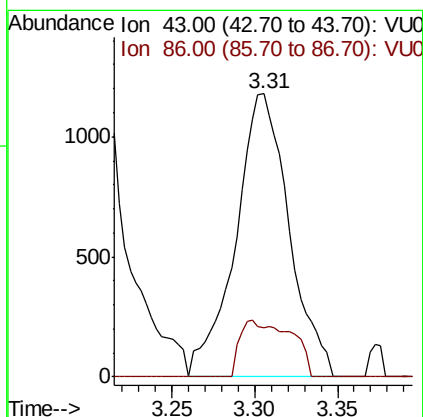
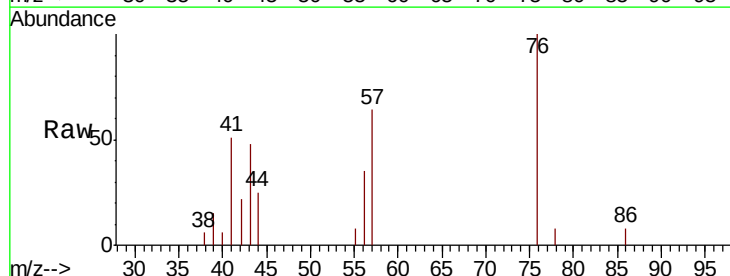
Instrument :
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FA18-JEB5-3

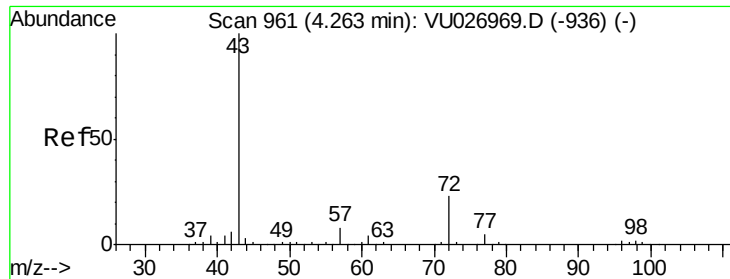
Tgt Ion: 43 Resp: 82938
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#23
Vinyl Acetate
Concen: 0.399 ug/l
RT: 3.31 min Scan# 663
Delta R.T. -0.22 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Tgt Ion: 43 Resp: 2653
Ion Ratio Lower Upper
43 100
86 17.3 7.2 10.8#





#25

2-Butanone

Concen: 45.092 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

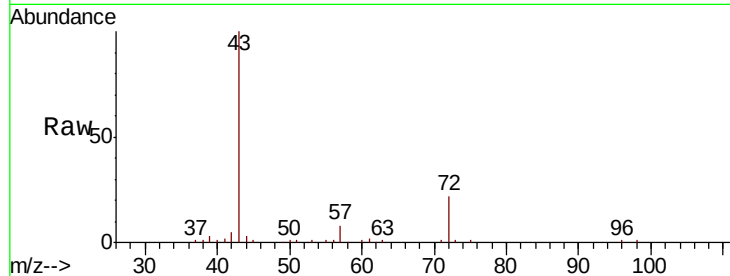
FA18-JEB5-3

Tgt Ion: 43 Resp: 99334

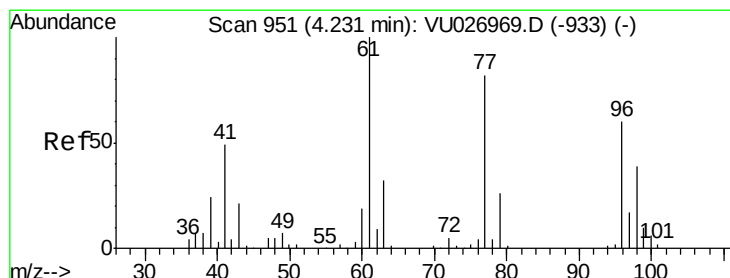
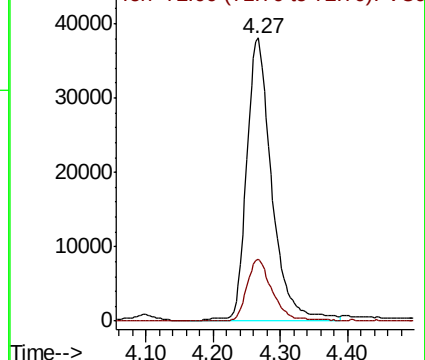
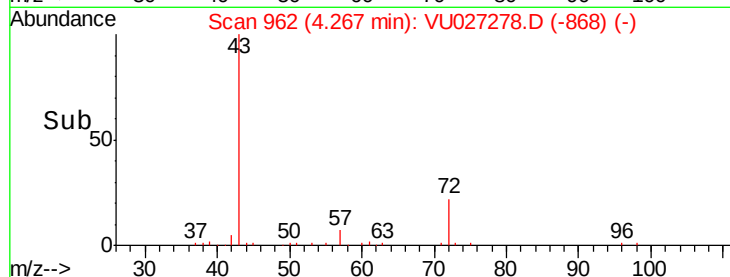
Ion Ratio Lower Upper

43 100

72 22.1 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU027278.D (-868) (-)



#27

cis-1,2-Dichloroethene

Concen: 7.197 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

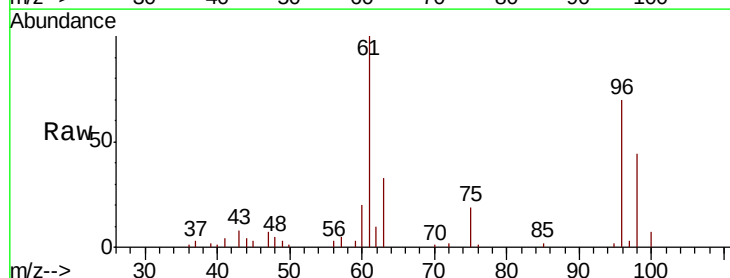
Tgt Ion: 96 Resp: 15610

Ion Ratio Lower Upper

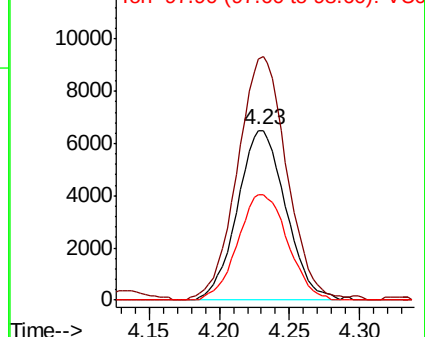
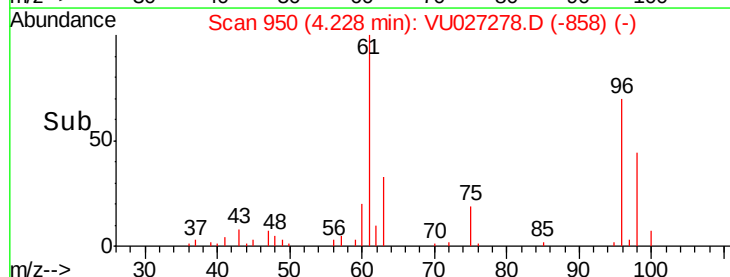
96 100

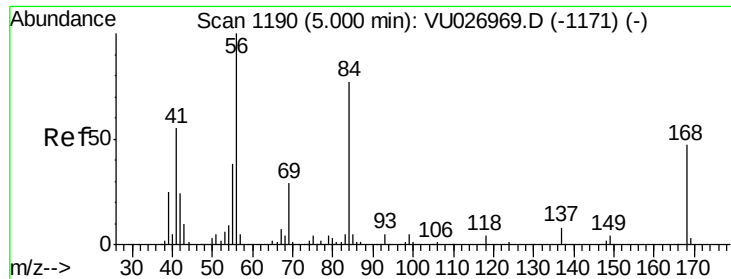
61 146.1 0.0 337.2

98 63.9 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VU027278.D (-858) (-)

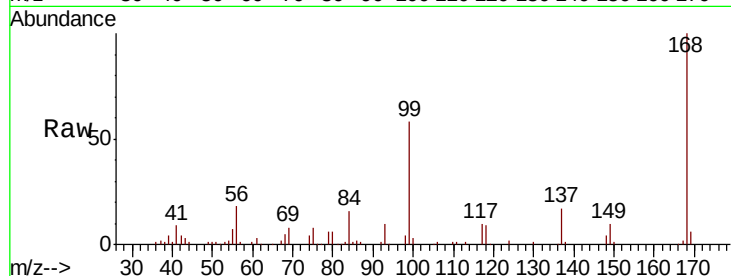




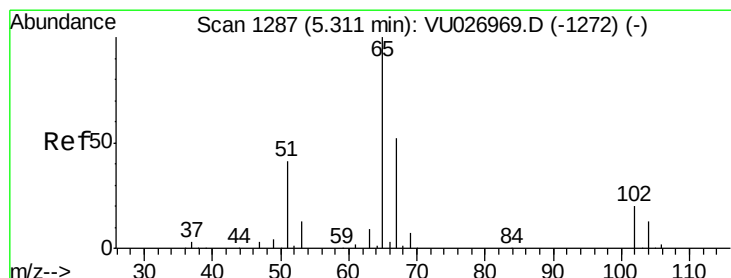
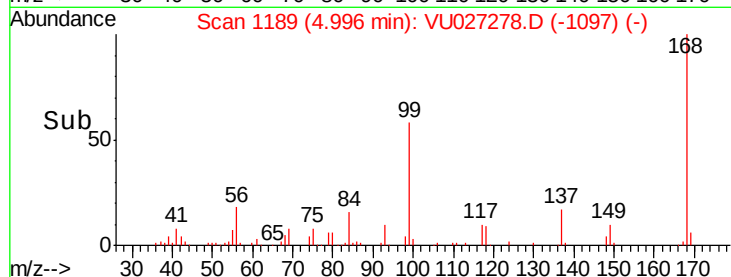
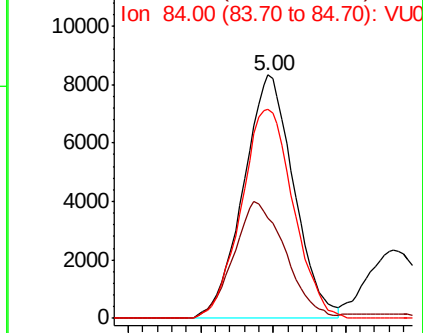
#31
Cyclohexane
Concen: 4.626 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-3

Tgt Ion	Resp	Lower	Upper
56	100		
69	41.0	23.0	34.4#
84	85.9	61.4	92.2

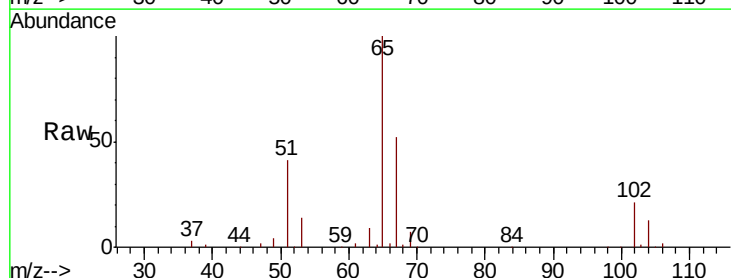


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

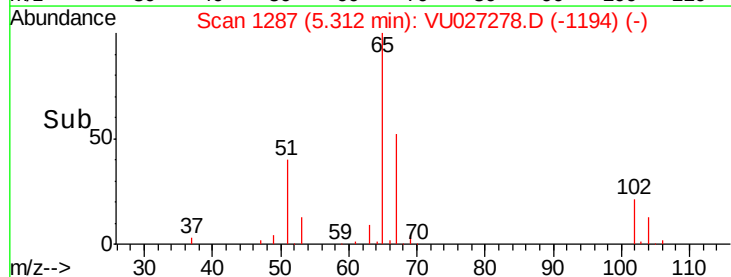
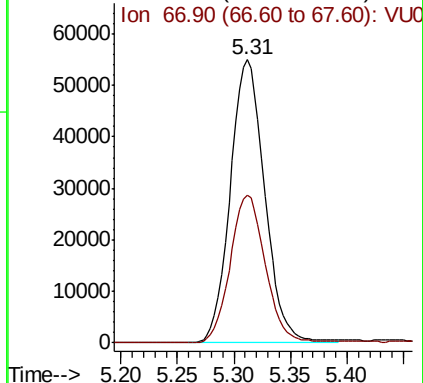


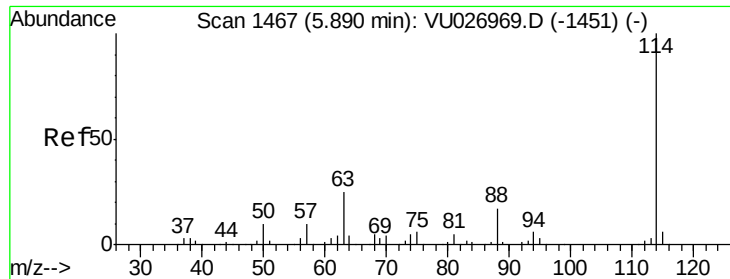
#33
1,2-Dichloroethane-d4
Concen: 44.533 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.1	0.0	105.6



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

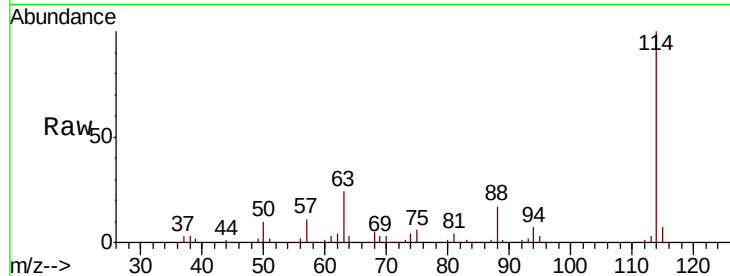




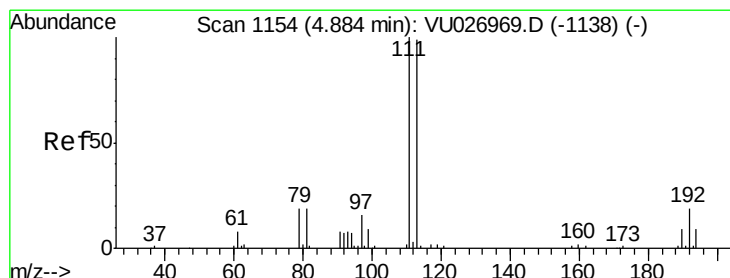
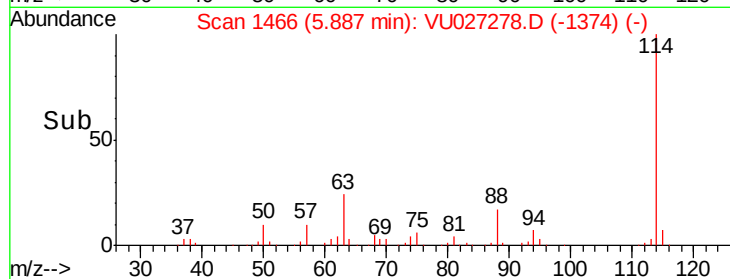
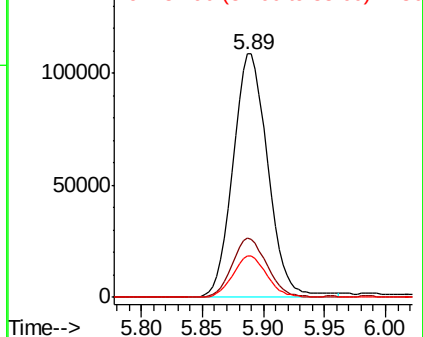
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

Instrument :
 MSVOA_U
 ClientSampleId :
 FA18-JEB5-3

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	49.2
88	16.9	0.0	33.8

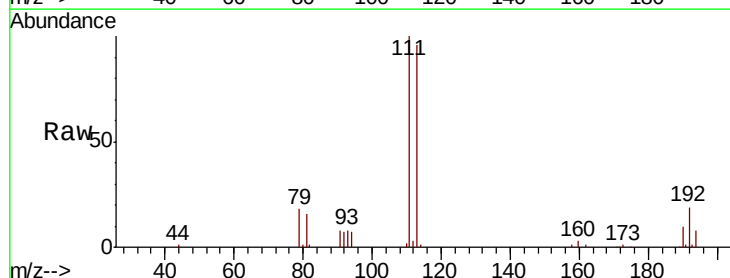


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

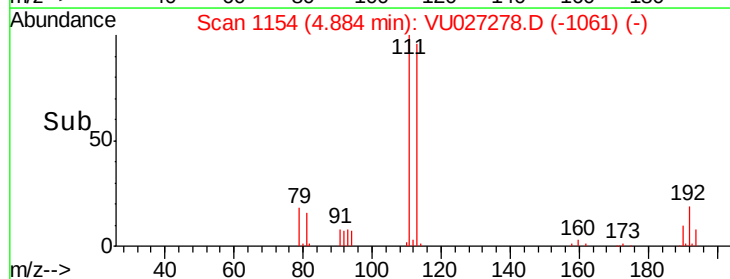
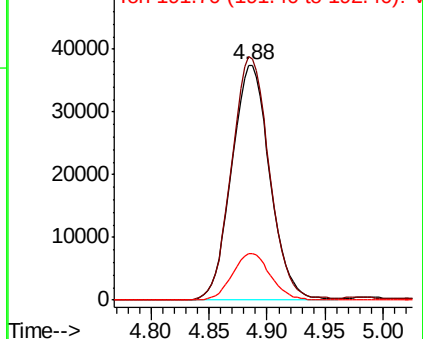


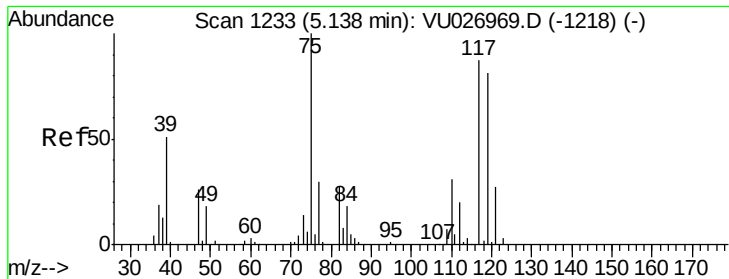
#35
 Dibromofluoromethane
 Concen: 45.872 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	19.6	15.2	22.8



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

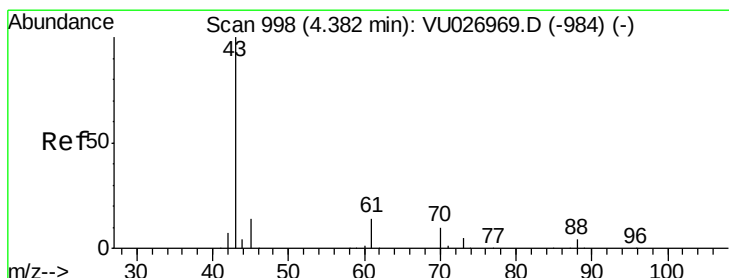
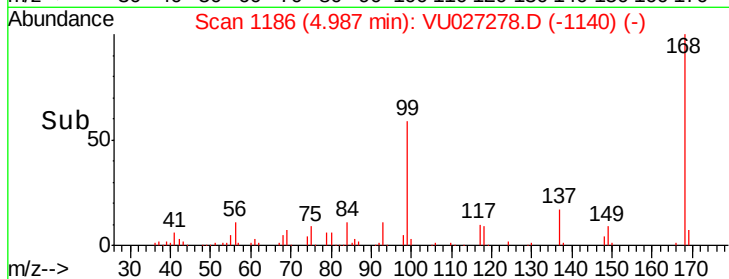
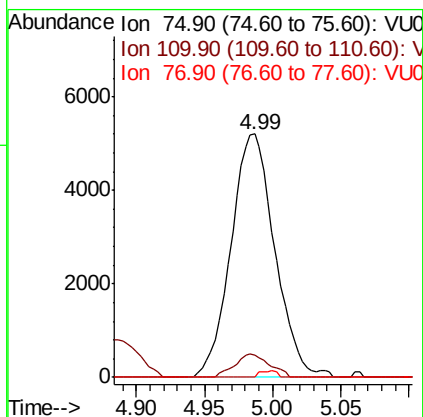
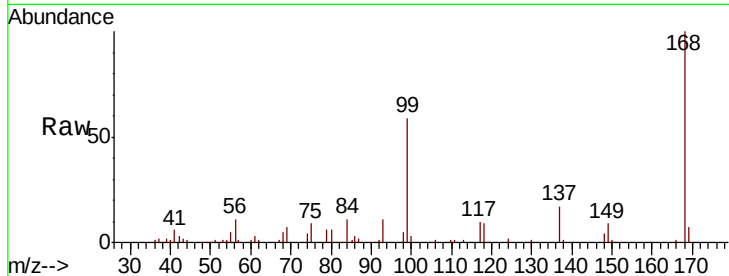




#36
 1,1-Dichloropropene
 Concen: 4.023 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

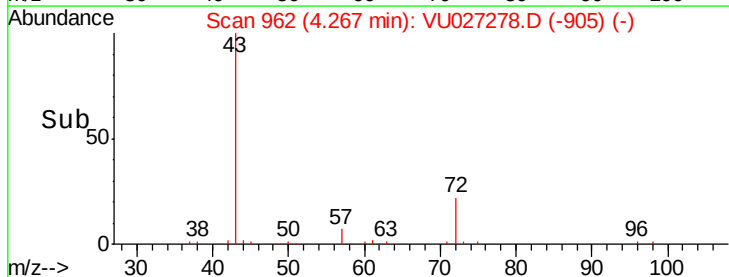
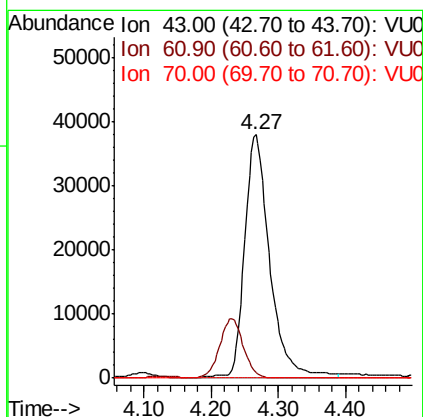
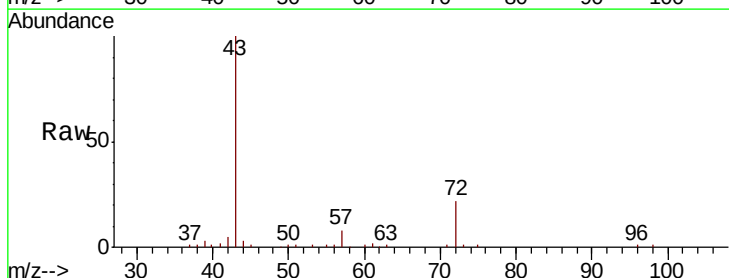
Instrument :
 MSVOA_U
 ClientSampleId :
 FA18-JEB5-3

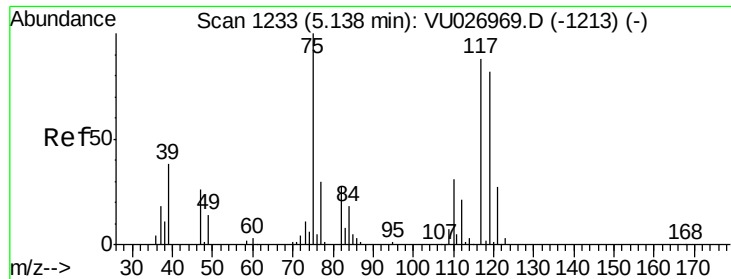
Tgt Ion: 75 Resp: 11592
 Ion Ratio Lower Upper
 75 100
 110 7.6 16.1 48.2#
 77 1.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 25.463 ug/l
 RT: 4.27 min Scan# 962
 Delta R.T. -0.12 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

Tgt Ion: 43 Resp: 99334
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 7.4 11.0#

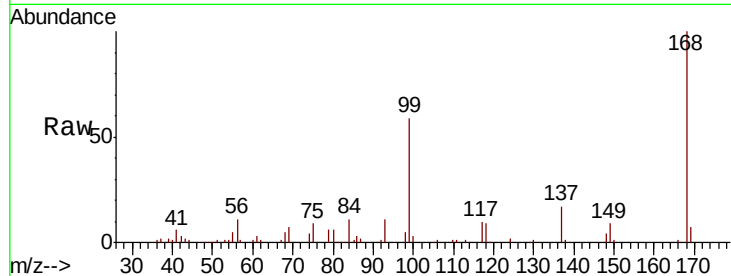




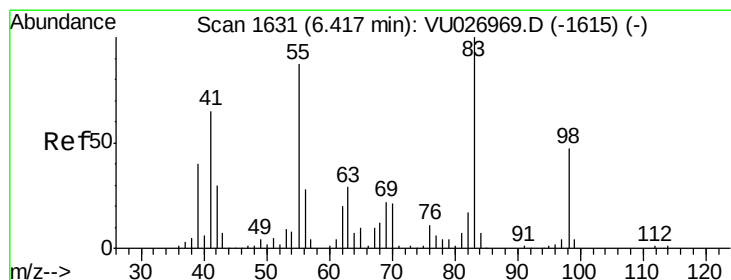
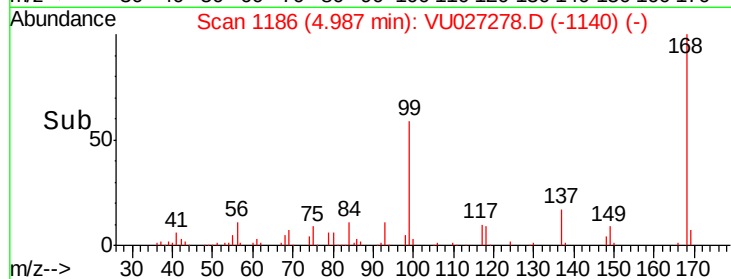
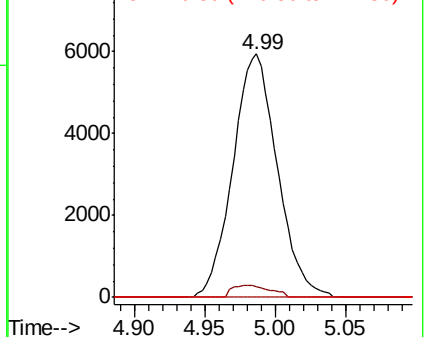
#38
Carbon Tetrachloride
Concen: 4.774 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-3

Tgt Ion: 117 Resp: 13092
Ion Ratio Lower Upper
117 100
119 4.4 74.4 111.6#
121 0.0 24.2 36.4#

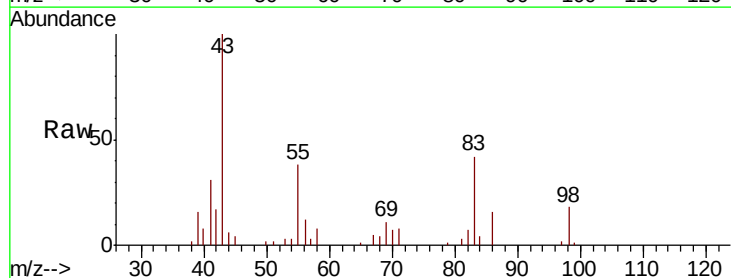


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

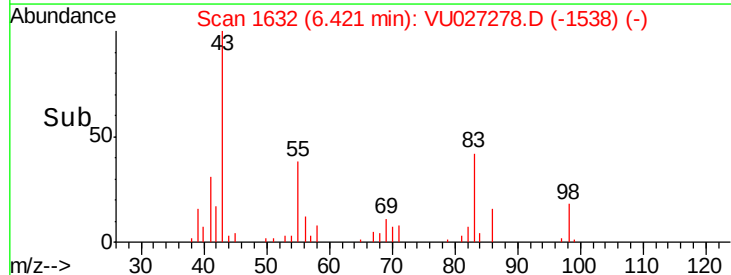
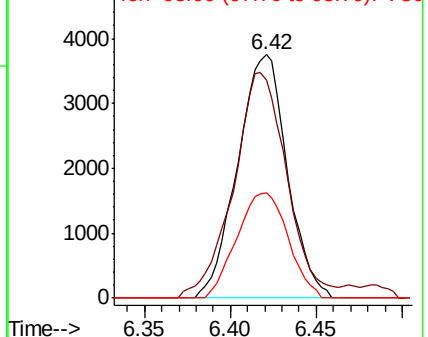


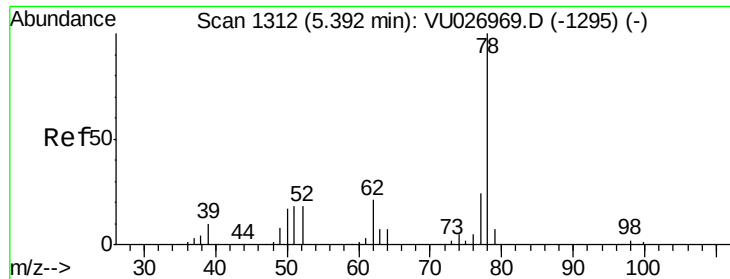
#39
Methylcyclohexane
Concen: 2.403 ug/l
RT: 6.42 min Scan# 1632
Delta R.T. 0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Tgt Ion: 83 Resp: 7525
Ion Ratio Lower Upper
83 100
55 85.7 69.9 104.9
98 43.1 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: 1.476 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

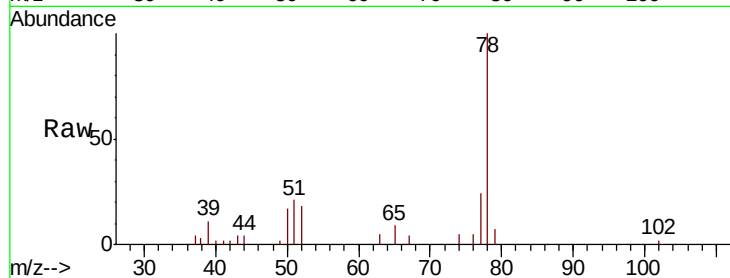
FA18-JEB5-3

Tgt Ion: 78 Resp: 12933

Ion Ratio Lower Upper

78 100

77 23.8 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VU026969.D (-1295) (-)

Ion 77.00 (76.70 to 77.70): VU026969.D (-1295) (-)

5.39

6000

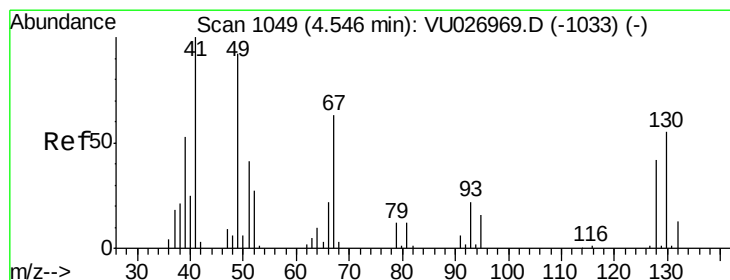
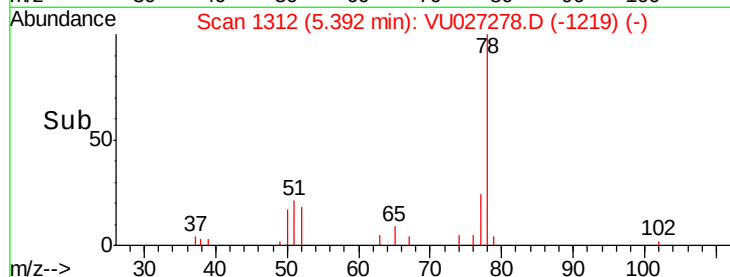
4000

2000

0

Time-->

5.30 5.35 5.40 5.45



#41

Methacrylonitrile

Concen: 2.841 ug/l

RT: 4.57 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Tgt Ion: 41 Resp: 5756

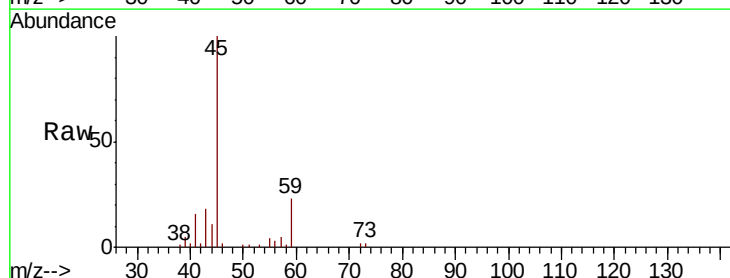
Ion Ratio Lower Upper

41 100

39 35.1 42.9 64.3#

67 0.0 52.4 78.6#

52 0.0 21.3 31.9#



Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-1033) (-)

Ion 39.00 (38.70 to 39.70): VU026969.D (-1033) (-)

Ion 67.00 (66.70 to 67.70): VU026969.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VU026969.D (-1033) (-)

4.57

3000

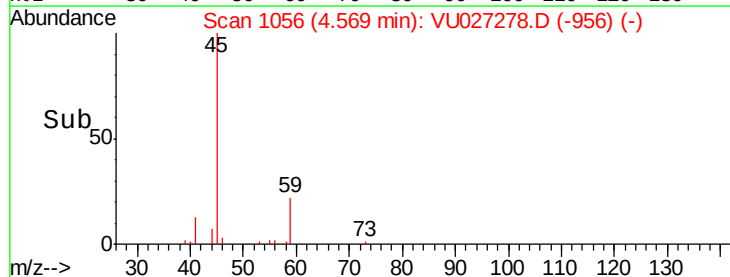
2000

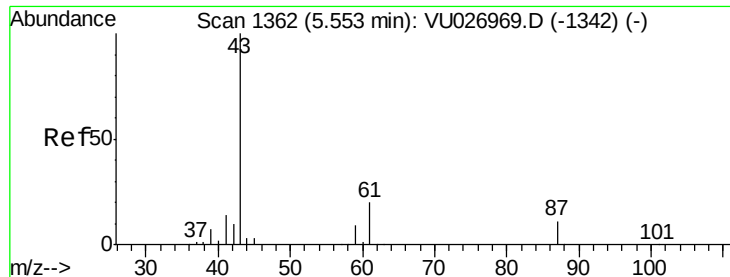
1000

0

Time-->

4.50 4.55 4.60 4.65





#43

Isopropyl Acetate

Concen: 1.644 ug/l

RT: 5.54 min Scan# 1357

Delta R.T. -0.02 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

FA18-JEB5-3

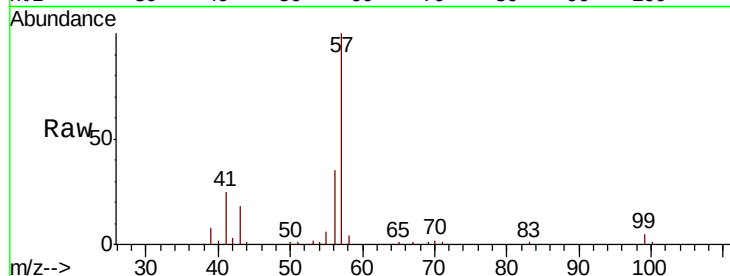
Tgt Ion: 43 Resp: 9356

Ion Ratio Lower Upper

43 100

61 0.0 15.7 23.5#

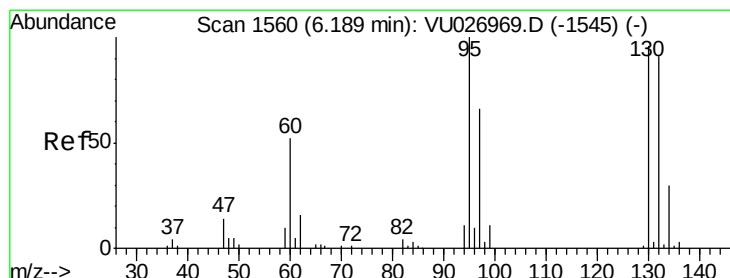
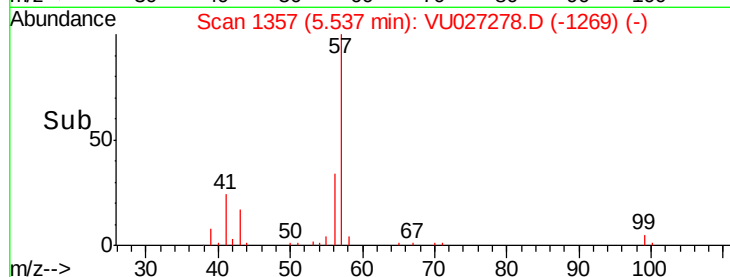
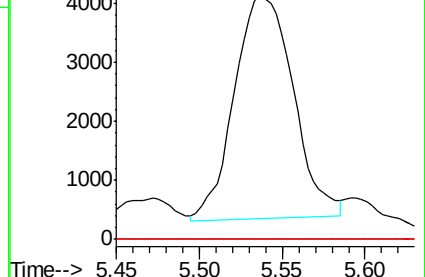
87 0.0 9.0 13.4#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU026969.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-1342) (-)



#44

Trichloroethene

Concen: 0.999 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027278.D

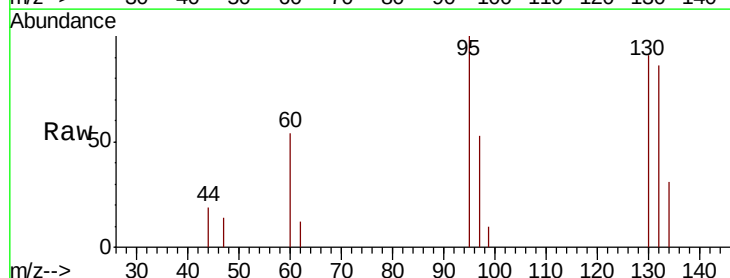
Acq: 28 Sep 2018 17:48

Tgt Ion:130 Resp: 1864

Ion Ratio Lower Upper

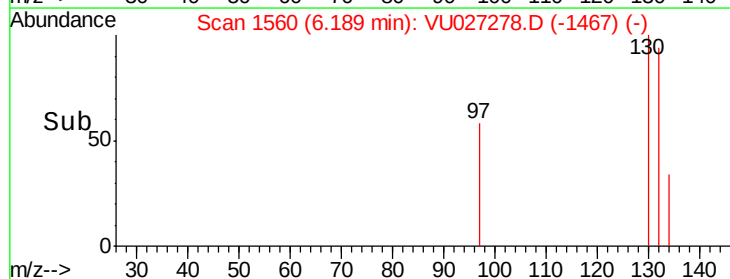
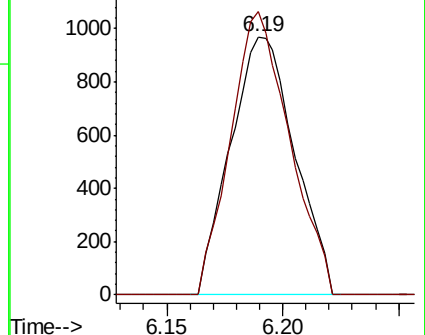
130 100

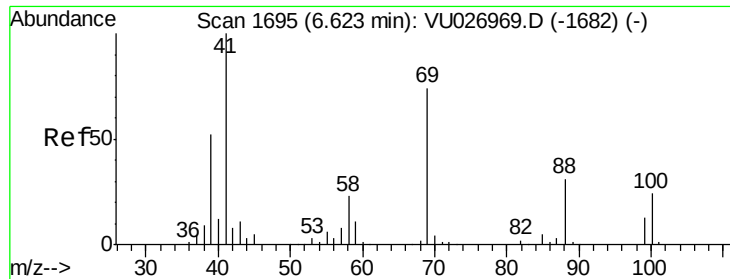
95 109.7 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU026969.D (-1545) (-)

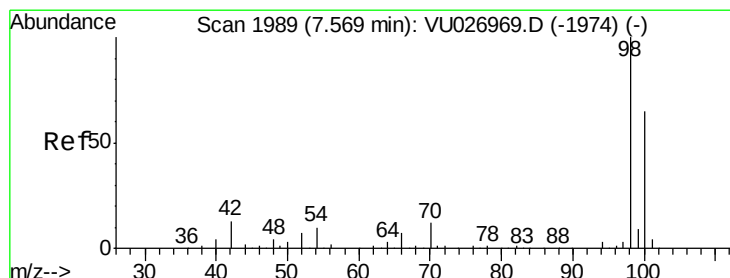
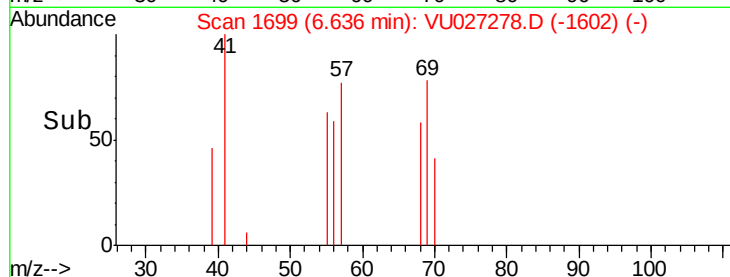
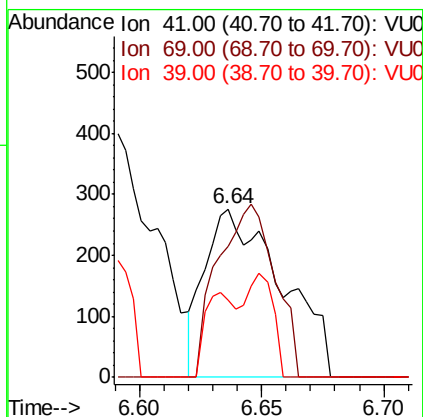
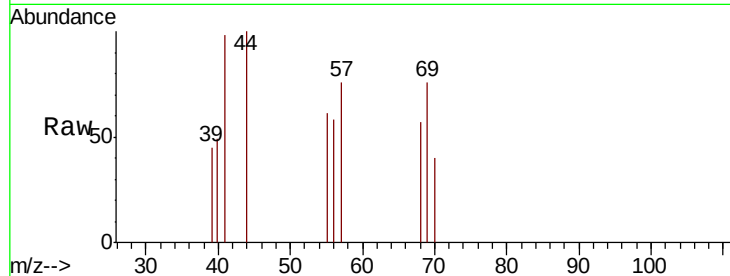




#48
Methyl methacrylate
Concen: 1.202 ug/l
RT: 6.64 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

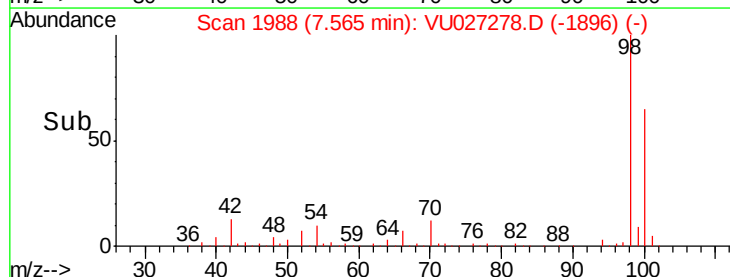
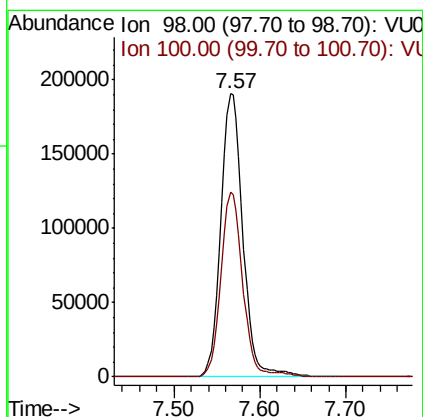
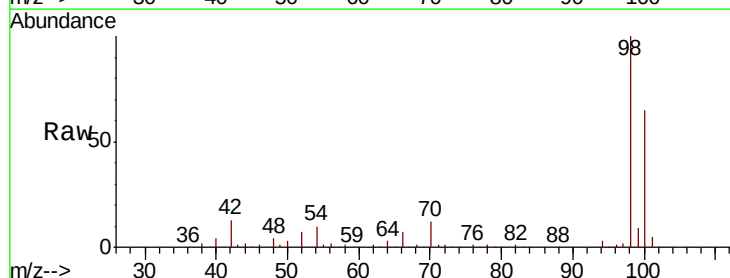
Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-3

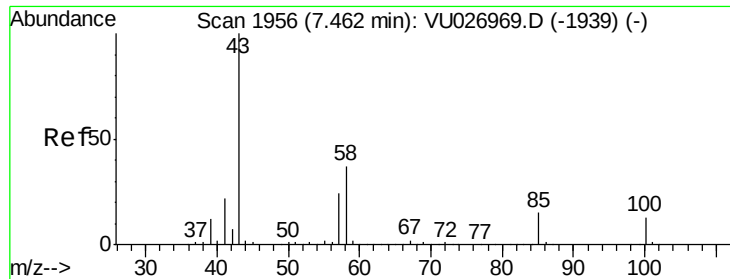
Tgt Ion: 41 Resp: 601
Ion Ratio Lower Upper
41 100
69 0.0 60.6 90.8#
39 19.8 42.8 64.2#



#50
Toluene-d8
Concen: 47.886 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Tgt Ion: 98 Resp: 341565
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1

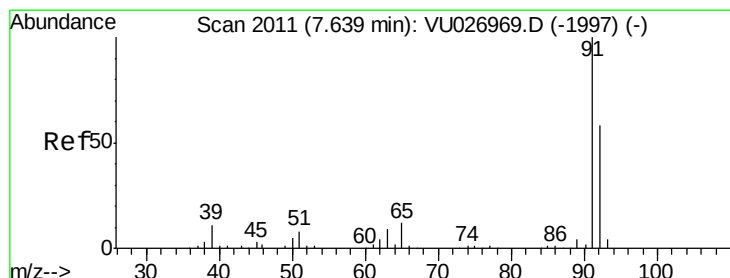
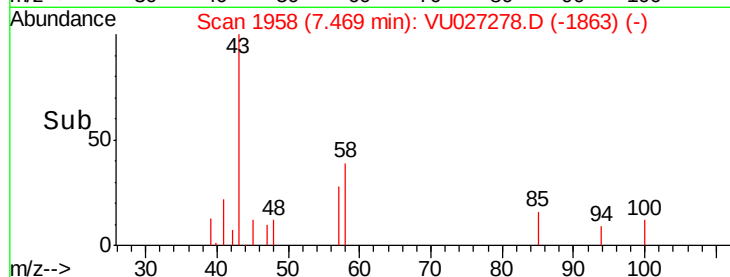
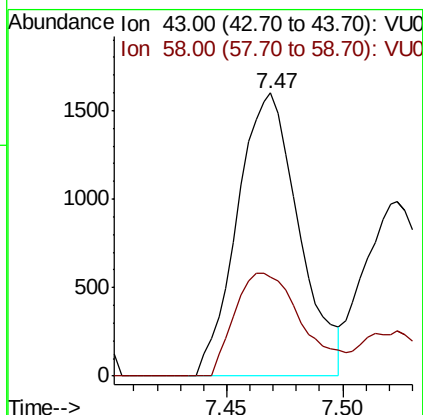
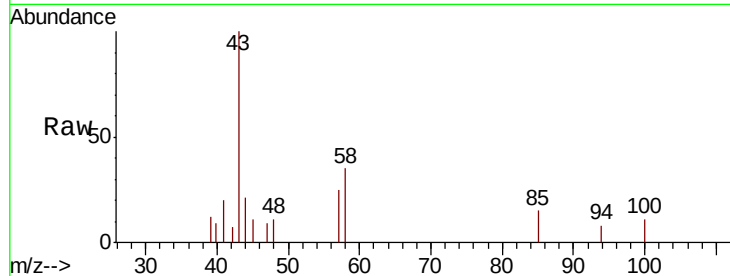




#51
 4-Methyl-2-Pentanone
 Concen: 0.772 ug/l
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.01 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

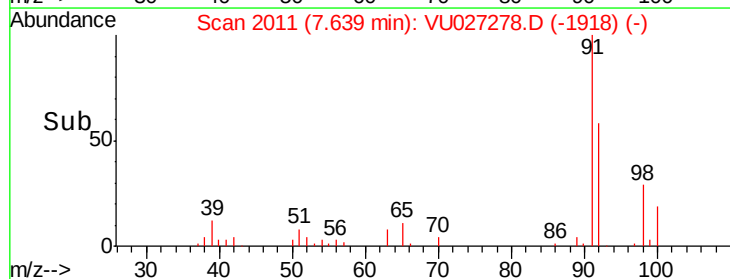
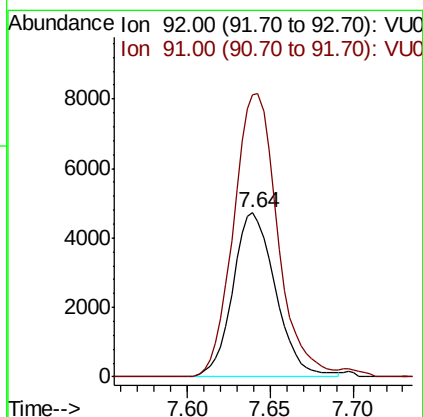
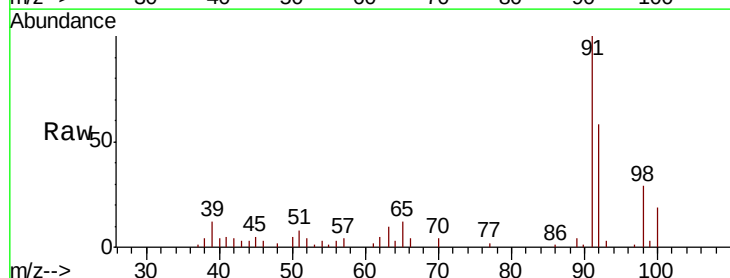
Instrument :
 MSVOA_U
 ClientSampleId :
 FA18-JEB5-3

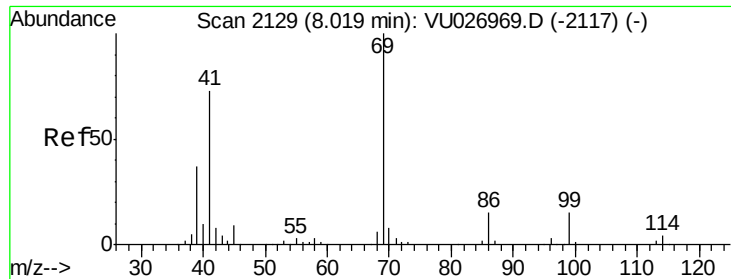
Tgt Ion: 43 Resp: 2953
 Ion Ratio Lower Upper
 43 100
 58 40.3 29.8 44.6



#52
 Toluene
 Concen: 1.686 ug/l
 RT: 7.64 min Scan# 2011
 Delta R.T. 0.00 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

Tgt Ion: 92 Resp: 8464
 Ion Ratio Lower Upper
 92 100
 91 177.4 136.4 204.6





#56

Ethyl methacrylate

Concen: 2.210 ug/l

RT: 7.95 min Scan# 2109

Delta R.T. -0.06 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

FA18-JEB5-3

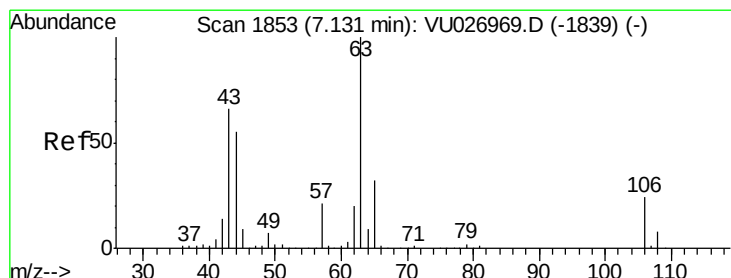
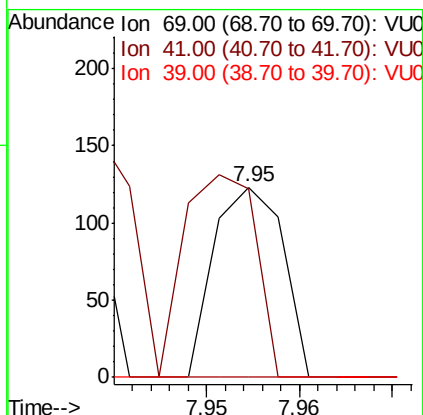
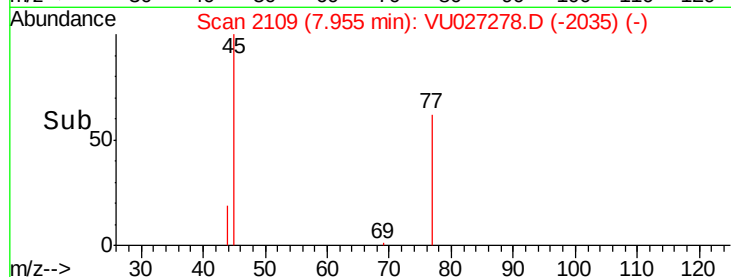
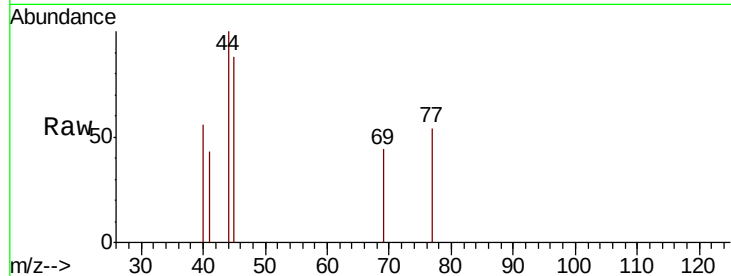
Tgt Ion: 69 Resp: 64

Ion Ratio Lower Upper

69 100

41 110.9 59.0 88.4#

39 0.0 30.2 45.4#



#58

2-Chloroethyl Vinyl ether

Concen: 4.933 ug/l

RT: 7.33 min Scan# 1916

Delta R.T. 0.20 min

Lab File: VU027278.D

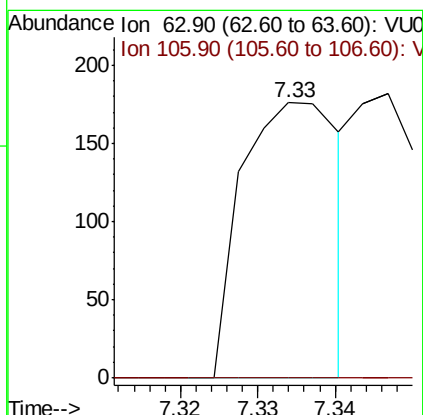
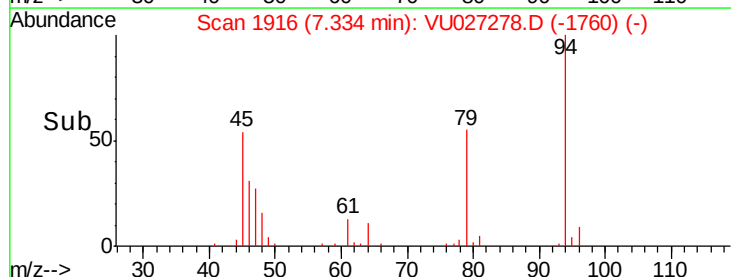
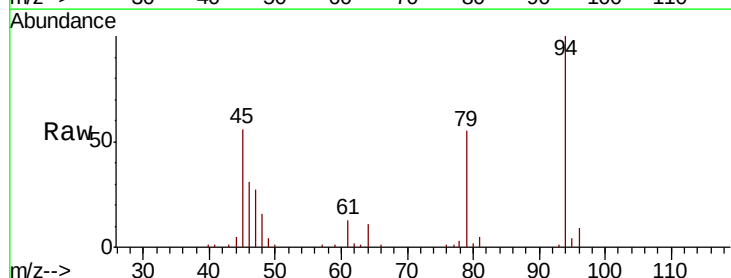
Acq: 28 Sep 2018 17:48

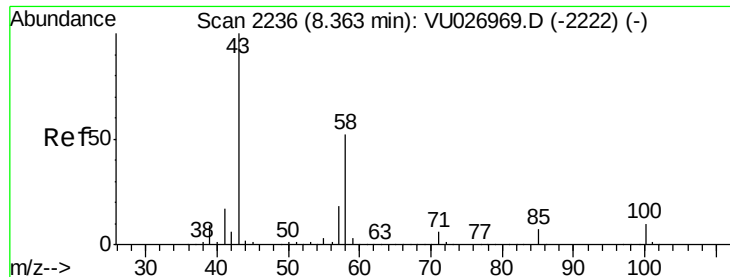
Tgt Ion: 63 Resp: 154

Ion Ratio Lower Upper

63 100

106 0.0 18.7 28.1#

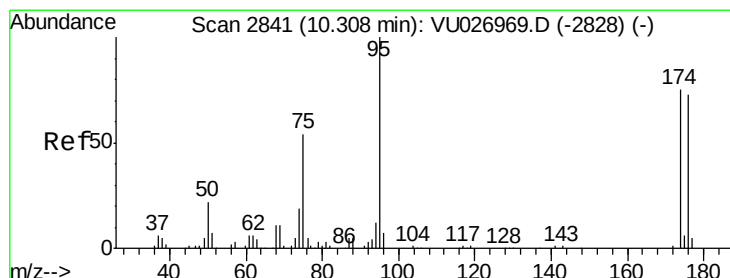
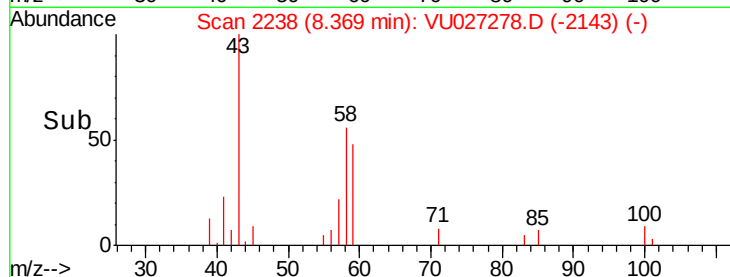
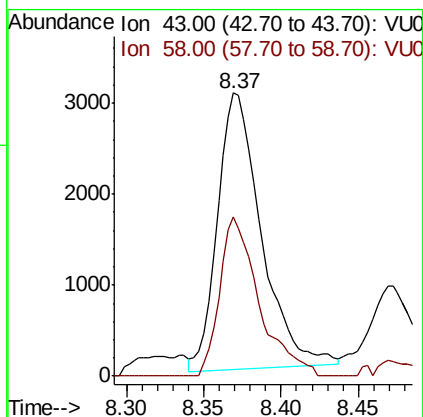
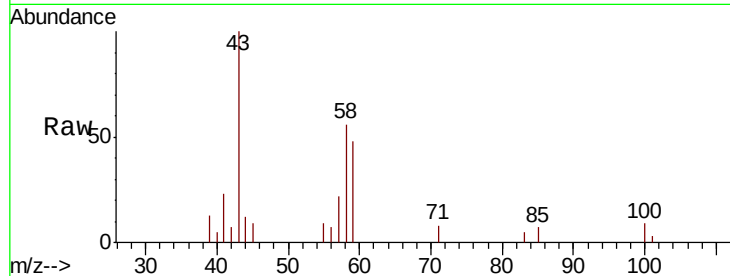




#59
2-Hexanone
Concen: 2.006 ug/l
RT: 8.37 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

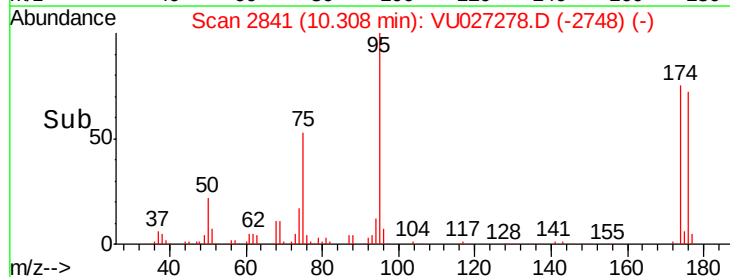
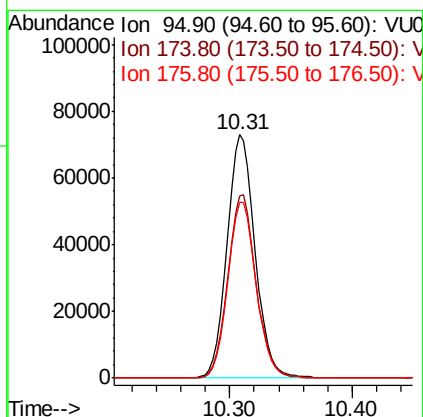
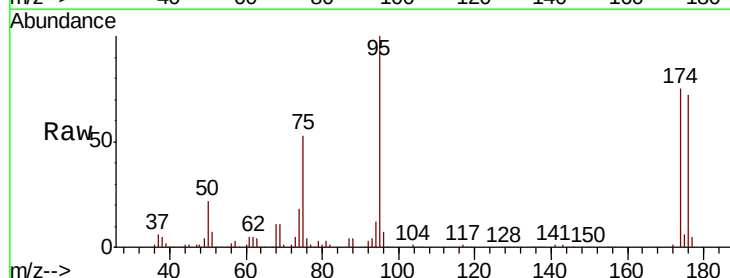
Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-3

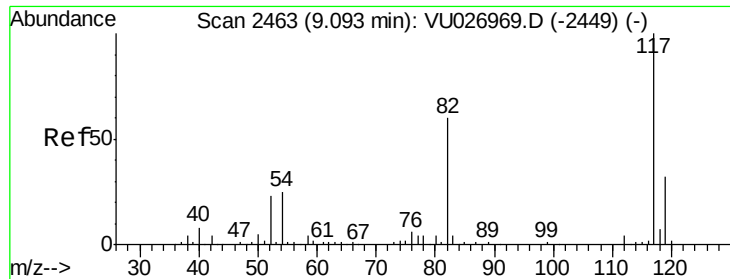
Tgt Ion: 43 Resp: 6008
Ion Ratio Lower Upper
43 100
58 51.3 26.1 78.2



#62
4-Bromofluorobenzene
Concen: 47.990 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Tgt Ion: 95 Resp: 117456
Ion Ratio Lower Upper
95 100
174 75.9 0.0 150.2
176 73.2 0.0 145.2

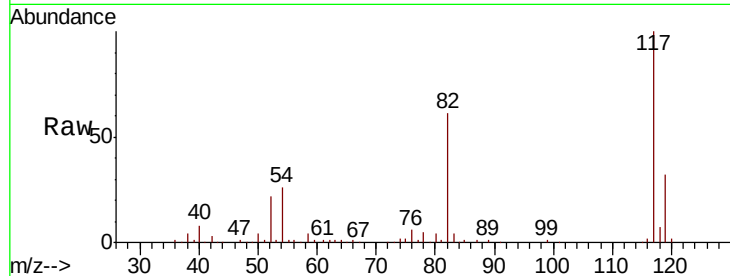




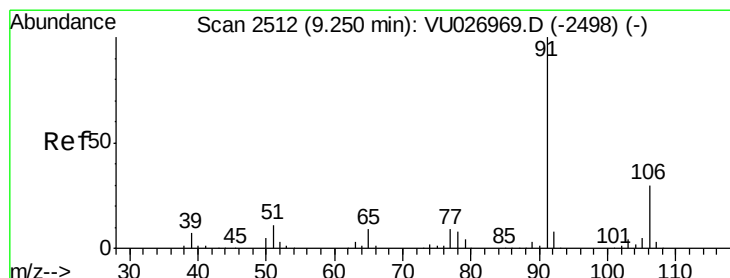
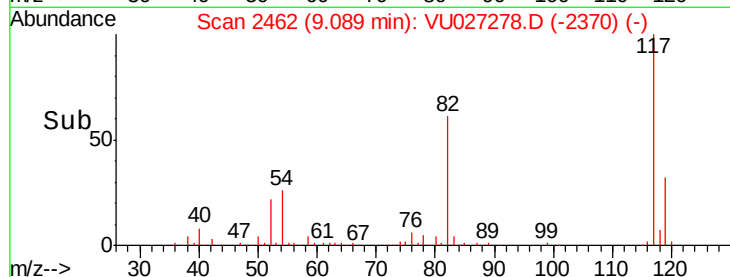
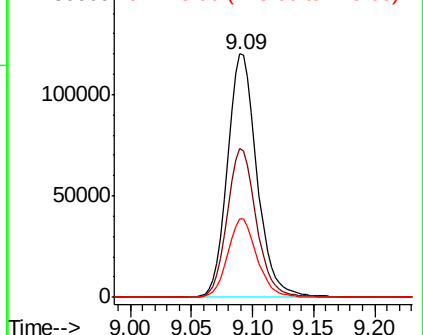
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-3

Tgt Ion: 117 Resp: 203596
Ion Ratio Lower Upper
117 100
82 60.9 48.0 72.0
119 32.2 25.8 38.8

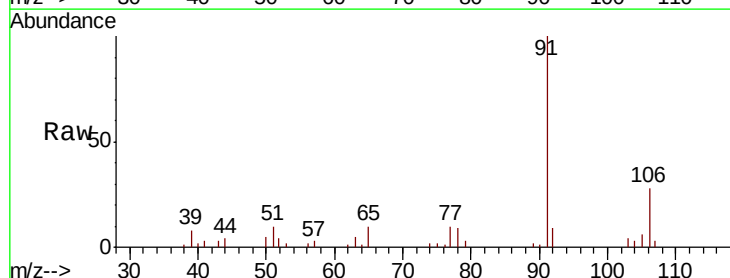


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

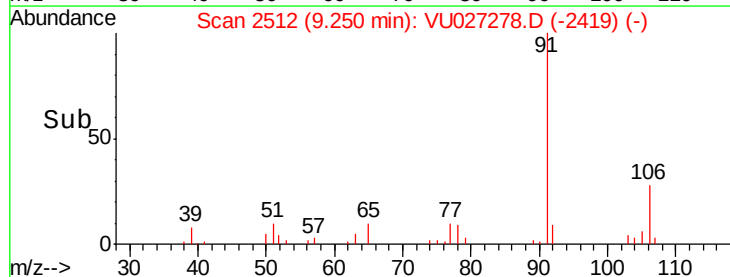
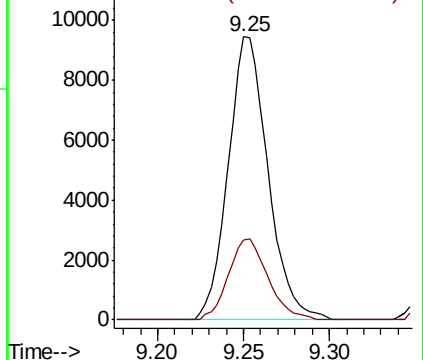


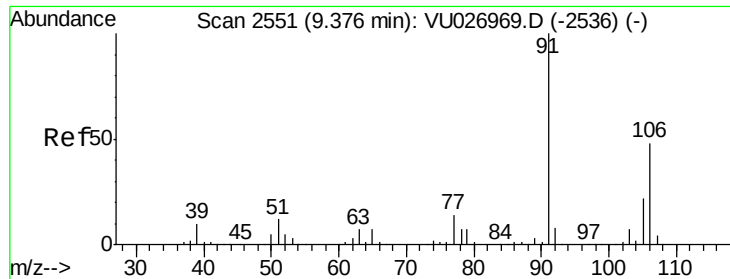
#67
Ethyl Benzene
Concen: 1.715 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Tgt Ion: 91 Resp: 15225
Ion Ratio Lower Upper
91 100
106 28.4 23.8 35.8



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

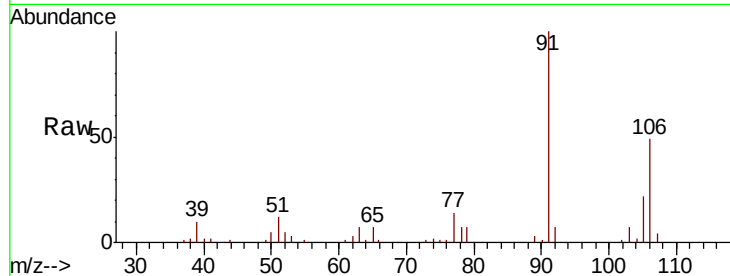




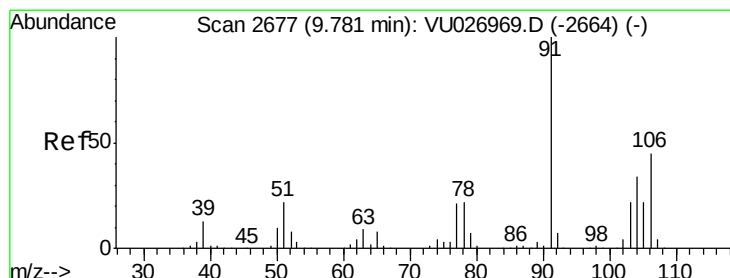
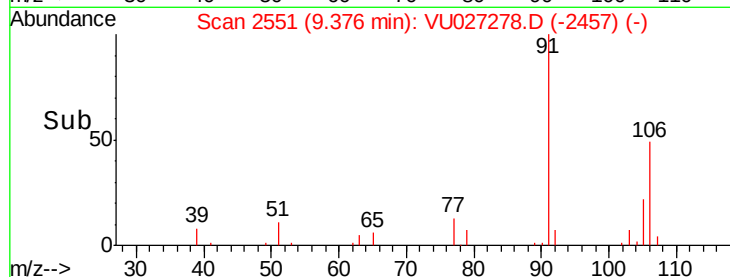
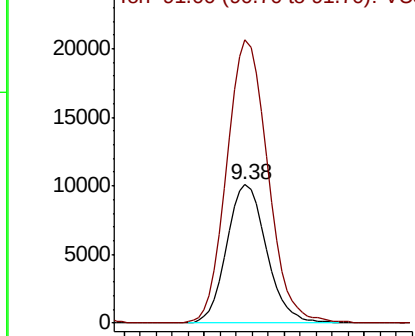
#68
m/p-Xylenes
Concen: 6.192 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-3

Tgt Ion:106 Resp: 17122
Ion Ratio Lower Upper
106 100
91 211.3 166.5 249.7

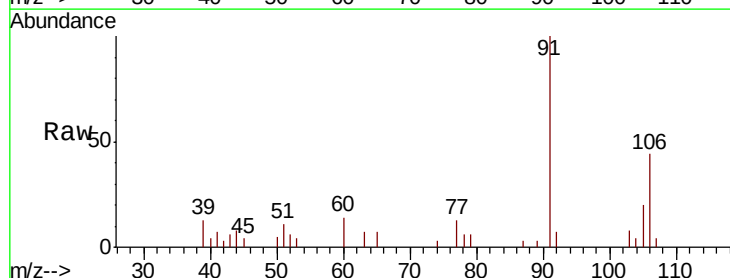


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

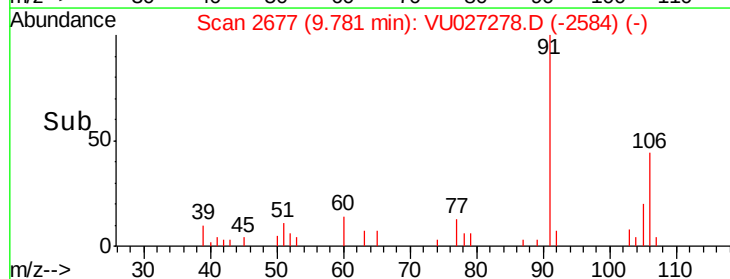
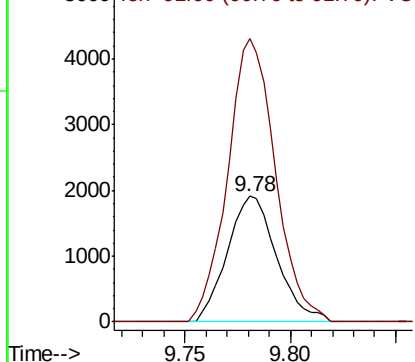


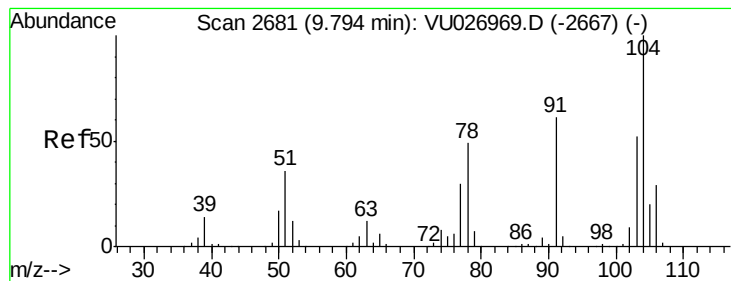
#69
o-Xylene
Concen: 0.988 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Tgt Ion:106 Resp: 3107
Ion Ratio Lower Upper
106 100
91 217.3 110.2 330.6



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





#70

Styrene

Concen: 1.838 ug/l

RT: 9.78 min Scan# 2678

Delta R.T. -0.01 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampled :

FA18-JEB5-3

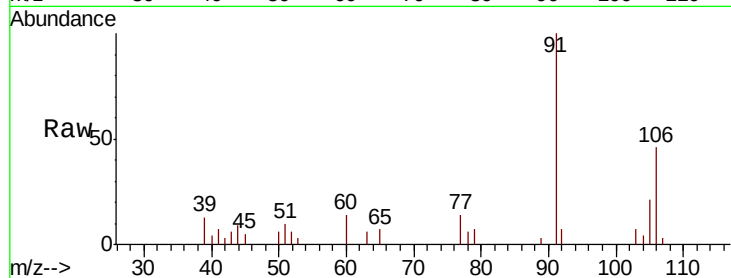
Tgt Ion:104 Resp: 171

Ion Ratio Lower Upper

104 100

78 257.3 43.0 64.4#

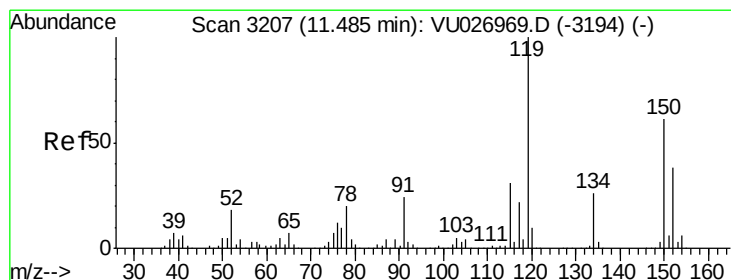
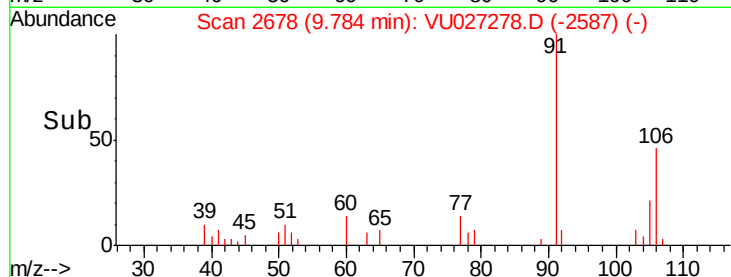
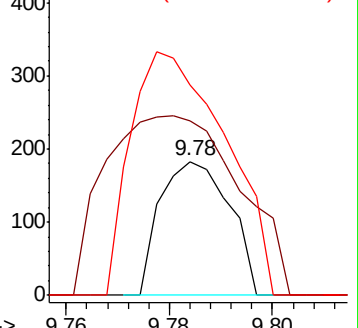
103 247.4 44.1 66.1#



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# 3207

Delta R.T. 0.00 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

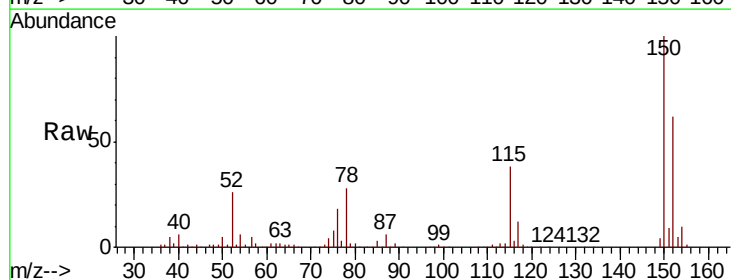
Tgt Ion:152 Resp: 103926

Ion Ratio Lower Upper

152 100

115 60.5 44.9 134.5

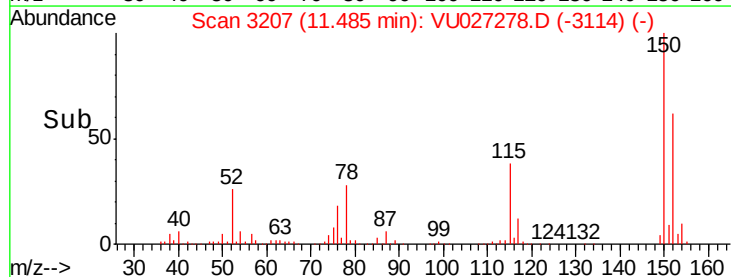
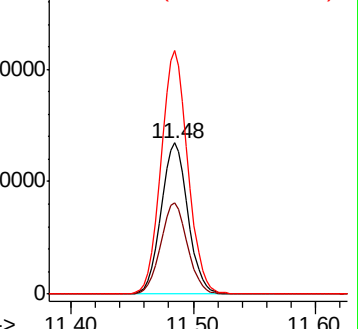
150 160.2 0.0 355.8

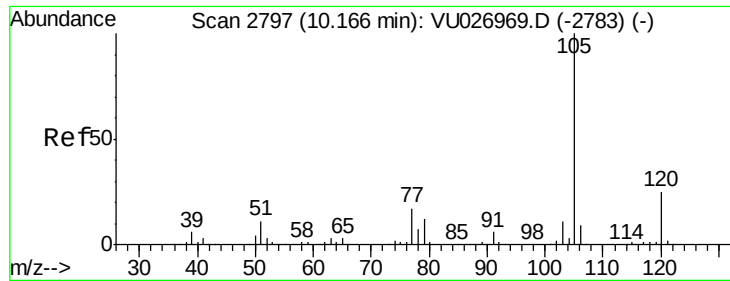


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.459 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

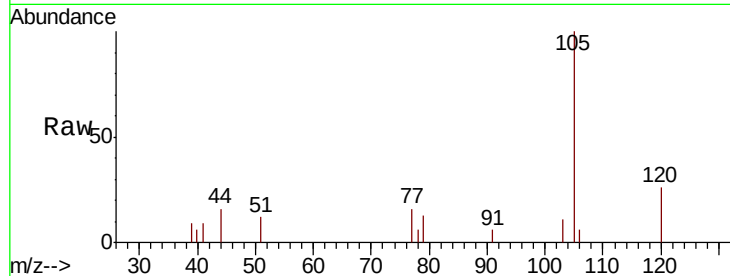
FA18-JEB5-3

Tgt Ion: 105 Resp: 3626

Ion Ratio Lower Upper

105 100

120 22.5 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500

2000

1500

1000

500

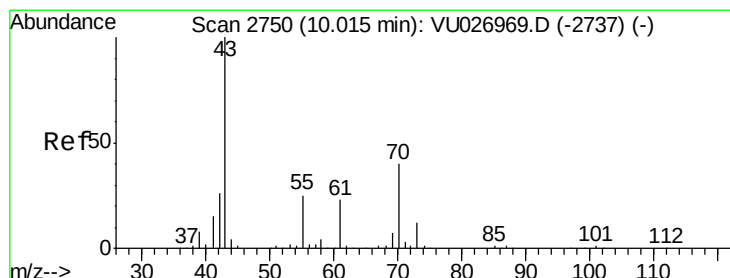
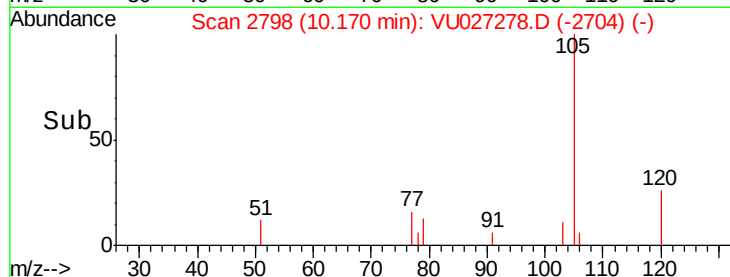
0

10.15

10.17

10.20

Time-->



#74

N-ethyl acetate

Concen: 0.683 ug/l

RT: 10.05 min Scan# 2762

Delta R.T. 0.04 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Tgt Ion: 43 Resp: 3127

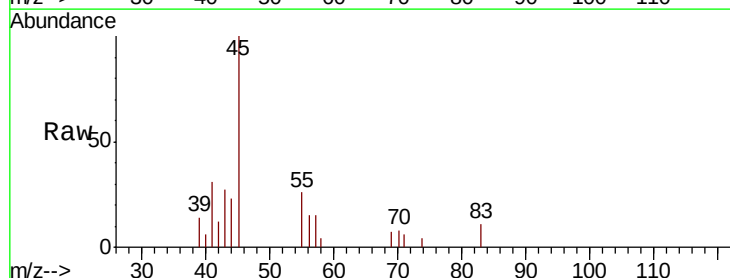
Ion Ratio Lower Upper

43 100

70 0.0 31.8 47.8#

55 30.7 19.9 29.9#

61 0.0 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

4000

3000

2000

1000

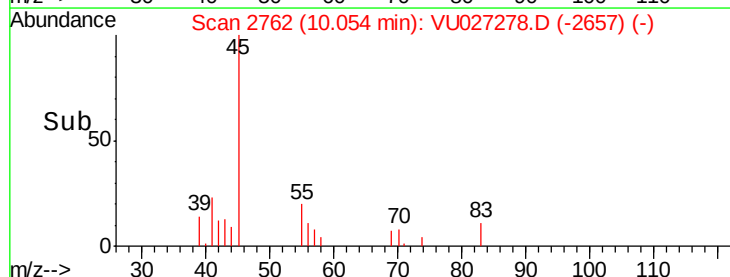
0

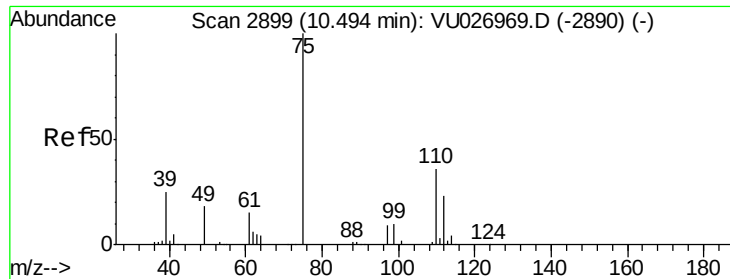
10.00

10.05

10.10

Time-->

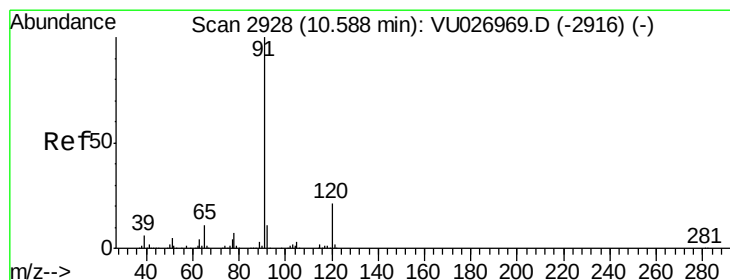
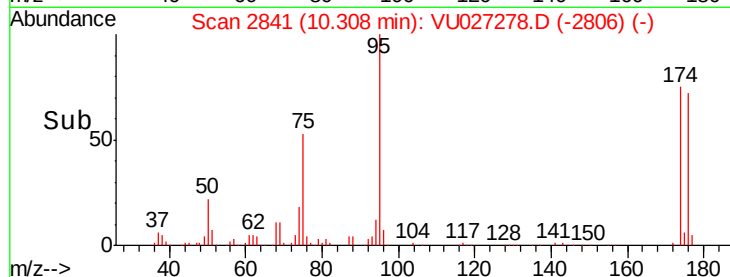
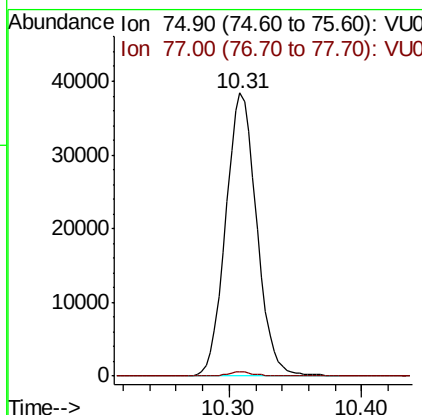
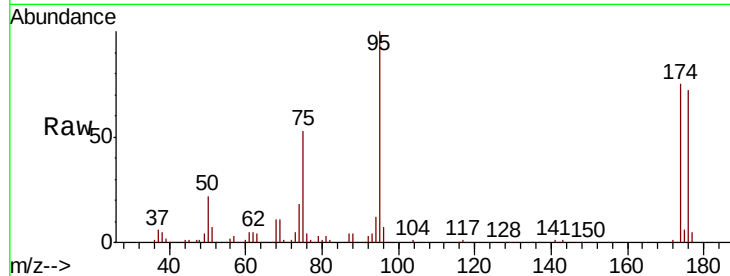




#76
 1,2,3-Trichloropropane
 Concen: 19.710 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

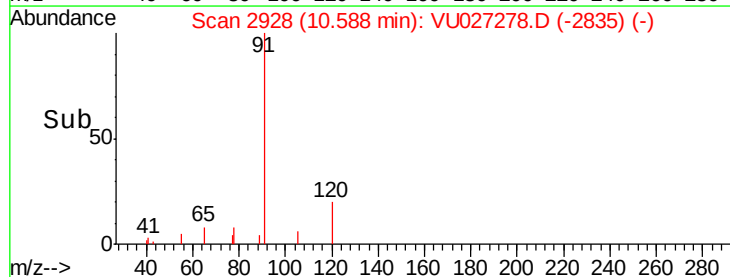
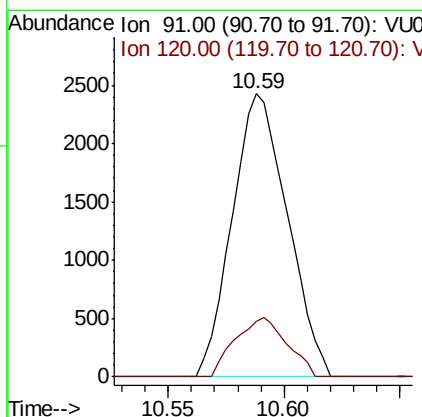
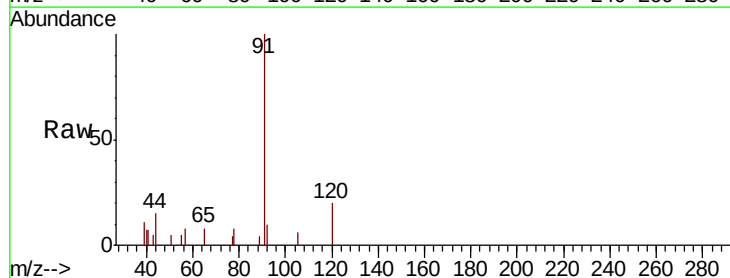
Instrument :
 MSVOA_U
 ClientSampleId :
 FA18-JEB5-3

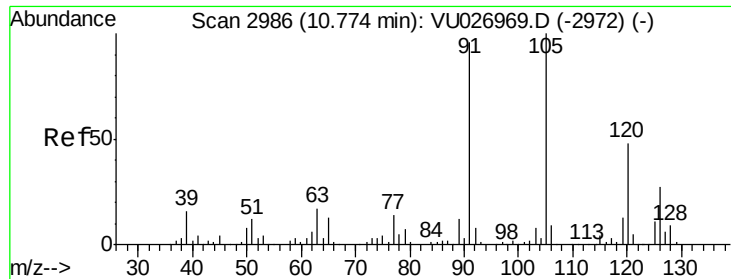
Tgt Ion: 75 Resp: 62228
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.9 62.8#



#78
 n-propylbenzene
 Concen: 0.430 ug/l
 RT: 10.59 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

Tgt Ion: 91 Resp: 4019
 Ion Ratio Lower Upper
 91 100
 120 19.7 10.6 31.8





#80

1,3,5-Trimethylbenzene

Concen: 1.105 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

Instrument :

MSVOA_U

ClientSampleId :

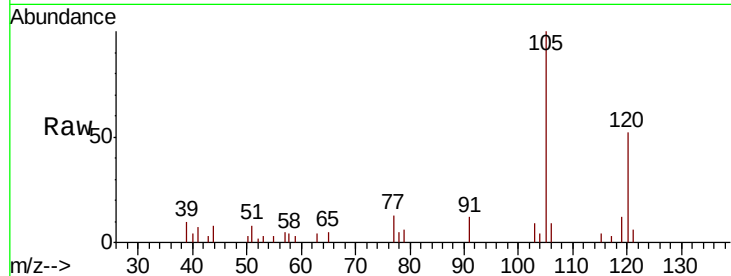
FA18-JEB5-3

Tgt Ion:105 Resp: 7209

Ion Ratio Lower Upper

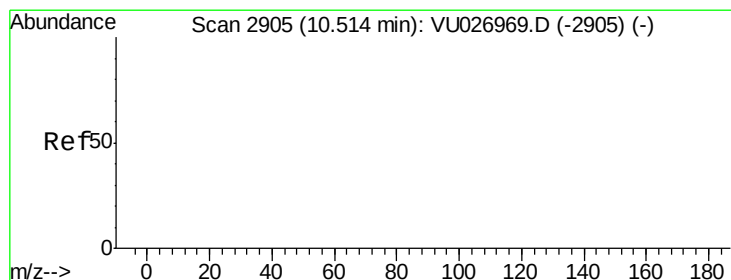
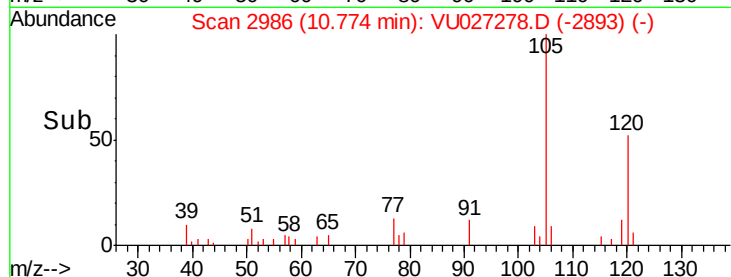
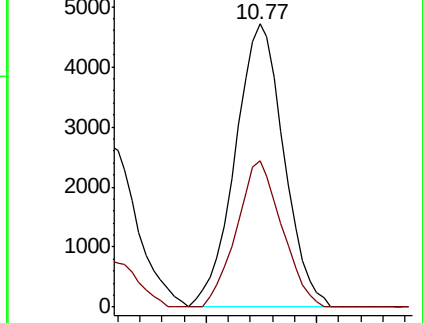
105 100

120 48.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 63.074 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027278.D

Acq: 28 Sep 2018 17:48

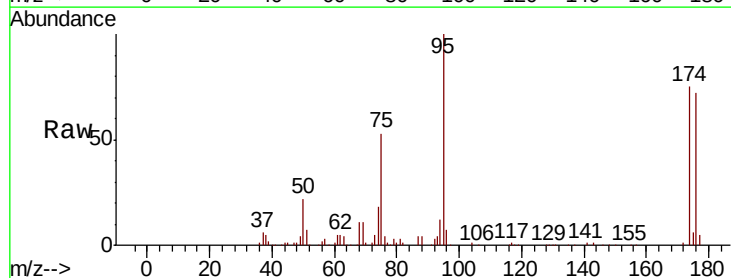
Tgt Ion: 75 Resp: 62228

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

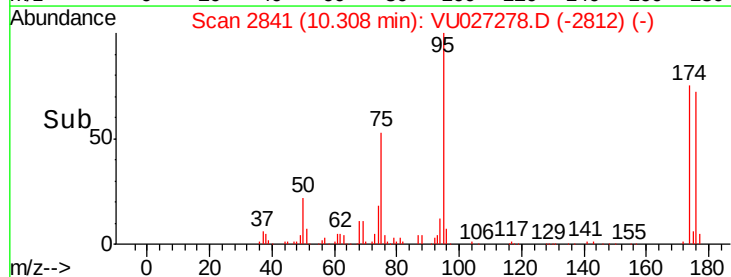
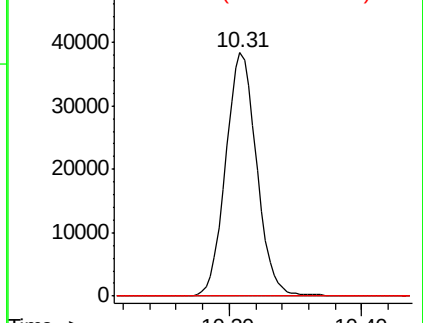
89 0.0 0.0 0.0

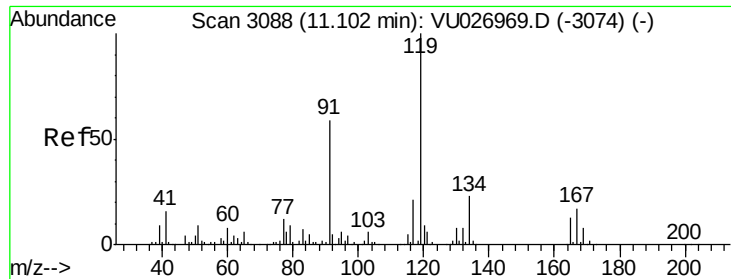


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

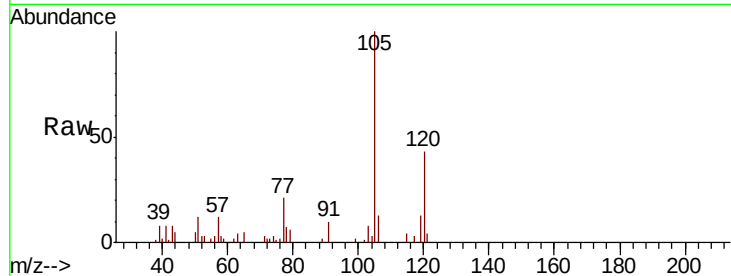




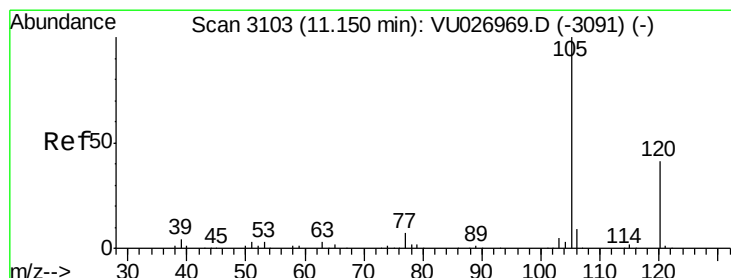
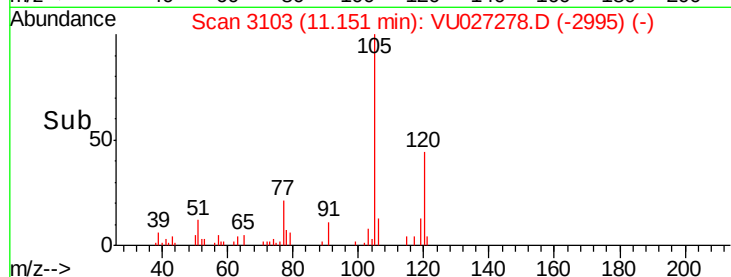
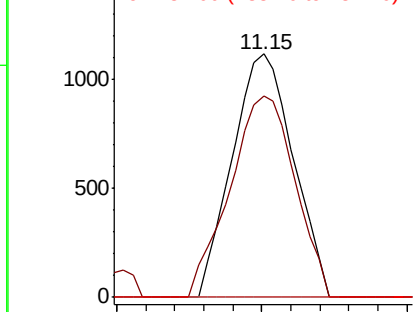
#83
 tert-Butylbenzene
 Concen: 0.253 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.05 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

Instrument :
 MSVOA_U
 ClientSampled :
 FA18-JEB5-3

Tgt Ion:119 Resp: 1634
 Ion Ratio Lower Upper
 119 100
 91 88.1 29.8 89.4
 134 0.0 11.5 34.4#

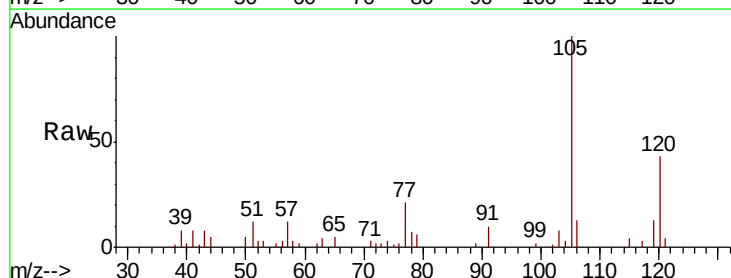


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

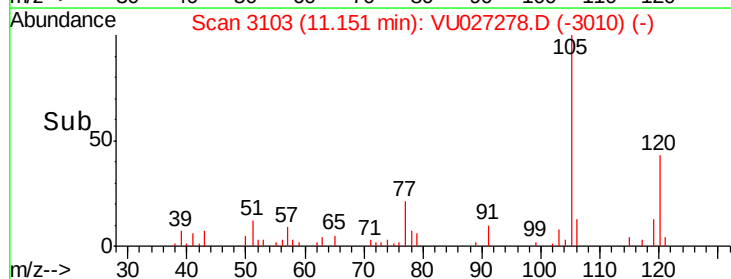
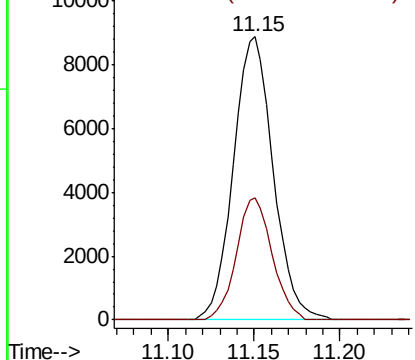


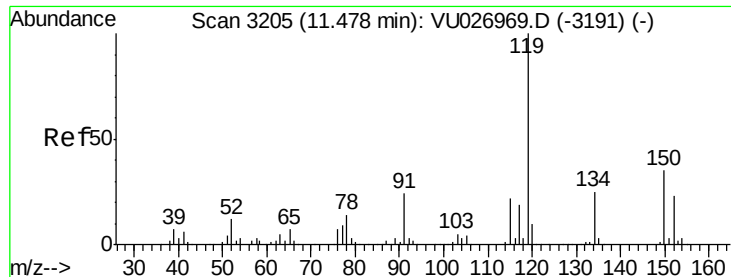
#84
 1,2,4-Trimethylbenzene
 Concen: 2.159 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027278.D
 Acq: 28 Sep 2018 17:48

Tgt Ion:105 Resp: 14336
 Ion Ratio Lower Upper
 105 100
 120 38.6 22.4 67.2



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

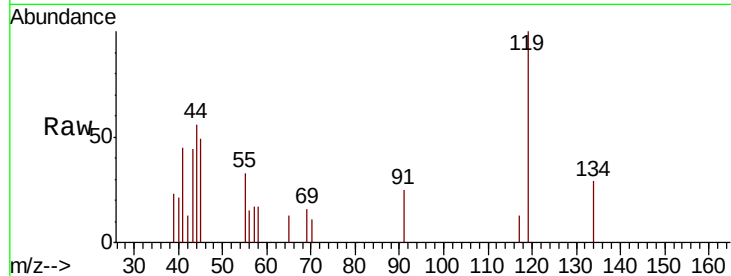




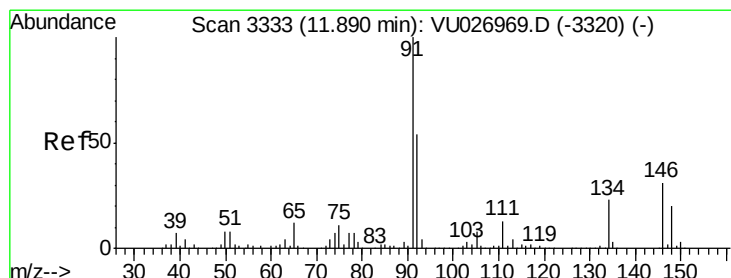
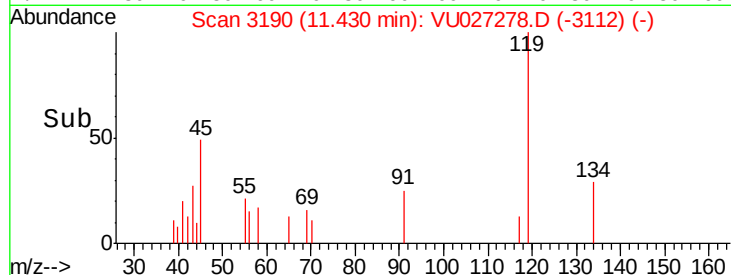
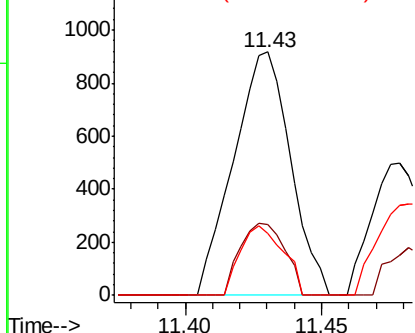
#86
p-Isopropyltoluene
Concen: 1.104 ug/l
RT: 11.43 min Scan# 3190
Delta R.T. -0.05 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-3

Tgt Ion: 119 Resp: 1327
Ion Ratio Lower Upper
119 100
134 23.3 12.8 38.3
91 21.6 12.3 36.8

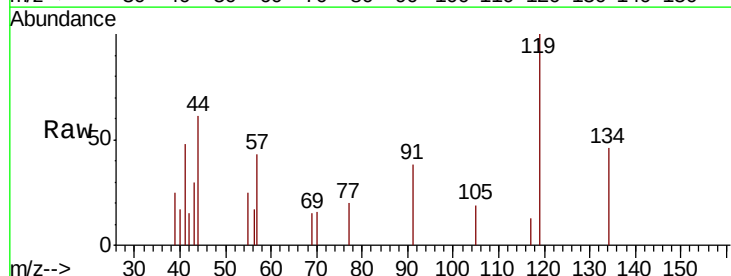


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

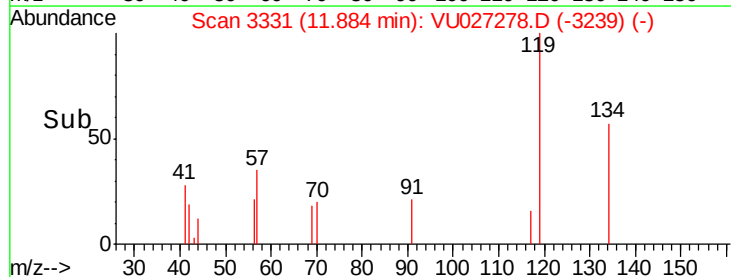
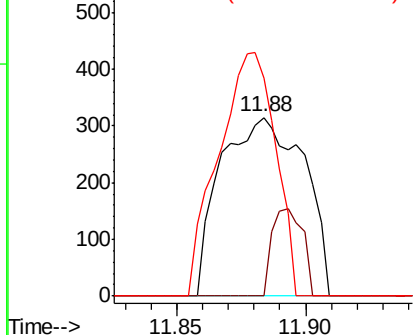


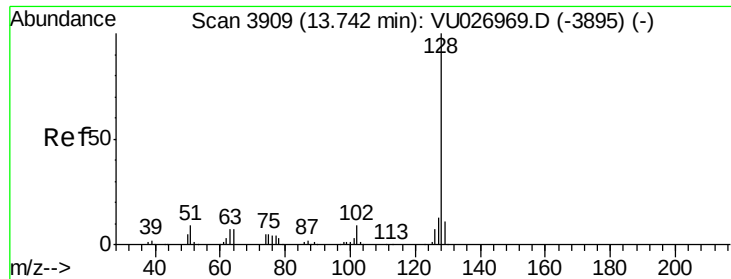
#89
n-Butylbenzene
Concen: 2.487 ug/l
RT: 11.88 min Scan# 3331
Delta R.T. -0.01 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Tgt Ion: 91 Resp: 708
Ion Ratio Lower Upper
91 100
92 17.9 27.1 81.2#
134 93.4 11.7 35.0#



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 1.994 ug/l
RT: 13.75 min Scan# 3911
Delta R.T. 0.01 min
Lab File: VU027278.D
Acq: 28 Sep 2018 17:48

Instrument :
MSVOA_U
ClientSampleId :
FA18-JEB5-3

Tgt Ion:128 Resp: 2714
Ion Ratio Lower Upper
128 100
127 10.4 10.6 15.8#
129 8.2 8.6 12.8#

