

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
 Data File : VU027280.D
 Acq On : 28 Sep 2018 18:35
 Operator : MD/SY
 Sample : J5084-23
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 B-7(TW-1)

Quant Time: Sep 29 00:08:29 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	132483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	217679	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	212501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	121387	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	114935	43.10	ug/l	0.00
Spiked Amount			Recovery	=	86.20%	
35) Dibromofluoromethane	4.89	113	82725	43.84	ug/l	0.00
Spiked Amount			Recovery	=	87.68%	
50) Toluene-d8	7.57	98	352433	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	10.31	95	126706	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	15026	5.038	ug/l #	68
4) Vinyl Chloride	1.68	62	1231	0.442	ug/l #	85
6) Chloroethane	1.76	64	2028	1.140	ug/l #	1
8) Diethyl Ether	1.95	74	549	0.361	ug/l #	1
11) Tert butyl alcohol	2.83	59	46970	76.853	ug/l #	72
13) Acrolein	2.18	56	136514	414.357	ug/l #	1
14) Allyl chloride	2.65	41	118762	32.001	ug/l #	24
15) Acrylonitrile	3.00	53	33692	21.873	ug/l #	38
16) Acetone	2.32	43	277514	192.088	ug/l	89
18) Methyl Acetate	2.63	43	81952	21.594	ug/l #	56
19) Methyl tert-butyl Ether	3.00	73	8450	1.257	ug/l #	1
20) Methylene Chloride	2.65	84	40817	17.093	ug/l #	7
23) Vinyl Acetate	3.50	43	58394	8.630	ug/l #	76
24) 1,1-Dichloroethane	3.43	63	3486	0.797	ug/l #	84
25) 2-Butanone	4.26	43	122429	54.635	ug/l	100
29) Tetrahydrofuran	4.69	42	1496	1.104	ug/l #	37
30) Chloroform	4.74	83	23508	5.793	ug/l #	53
31) Cyclohexane	5.00	56	545251	138.213	ug/l	94
36) 1,1-Dichloropropene	4.98	75	12109	4.168	ug/l #	50
37) Ethyl Acetate	4.26	43	122429	31.130	ug/l #	70
38) Carbon Tetrachloride	4.98	117	13413	4.852	ug/l #	17
39) Methylcyclohexane	6.42	83	298055	94.408	ug/l	97
40) Benzene	5.39	78	2378492	269.314	ug/l	100
41) Methacrylonitrile	4.60	41	11556	5.658	ug/l #	51
42) 1,2-Dichloroethane	5.39	62	20285	6.079	ug/l #	76
43) Isopropyl Acetate	5.54	43	116236	20.266	ug/l #	64
45) 1,2-Dichloropropane	6.41	63	4111	1.634	ug/l #	1
46) Dibromomethane	6.54	93	324	0.213	ug/l #	1
47) Bromodichloromethane	6.74	83	681	0.222	ug/l #	64
48) Methyl methacrylate	6.64	41	45022	15.142	ug/l #	50
51) 4-Methyl-2-Pentanone	7.47	43	31981	8.291	ug/l	93
52) Toluene	7.65	92	16591993	3277.546	ug/l #	1
53) t-1,3-Dichloropropene	7.65	75	205443	62.221	ug/l #	1
55) 1,1,2-Trichloroethane	8.05	97	25260	11.776	ug/l #	18

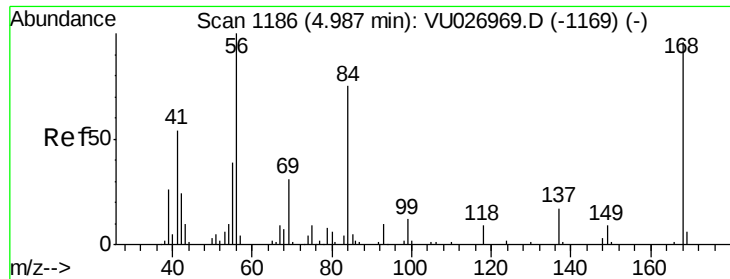
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Ethyl methacrylate	8.05	69	8105	4.276	ug/l #	19
58) 2-Chloroethyl Vinyl ether	7.12	63	1048	5.348	ug/l #	52
59) 2-Hexanone	8.17	43	54697	18.114	ug/l	80
65) Chlorobenzene	9.35	112	6675	1.185	ug/l #	52
68) m/p-Xylenes	9.26	106	7505818	1971.803	ug/l #	1
69) o-Xylene	9.79	106	8546323	2603.366	ug/l #	1
70) Styrene	9.79	104	476131	76.676	ug/l #	1
73) Isopropylbenzene	10.17	105	867946	93.997	ug/l	100
76) 1,2,3-Trichloropropane	10.59	75	16471	4.466	ug/l #	1
78) n-propylbenzene	10.59	91	2828523	258.887	ug/l	100
79) 2-Chlorotoluene	10.69	91	1333906	194.370	ug/l #	43
80) 1,3,5-Trimethylbenzene	10.78	105	2869223	376.427	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.59	75	16471	14.293	ug/l #	100
82) 4-Chlorotoluene	10.78	91	303315	39.417	ug/l #	47
83) tert-Butylbenzene	11.16	119	1594024	211.526	ug/l #	59
84) 1,2,4-Trimethylbenzene	11.16	105	12848294	1656.328	ug/l	98
85) sec-Butylbenzene	11.16	105	12848294	1396.711	ug/l #	58
86) p-Isopropyltoluene	11.48	119	51906	6.829	ug/l	98
89) n-Butylbenzene	11.88	91	302846	36.854	ug/l #	29
90) Hexachloroethane	12.15	117	52770	31.546	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	12.65	75	3571	4.123	ug/l #	7
95) Naphthalene	13.75	128	6278288	605.312	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

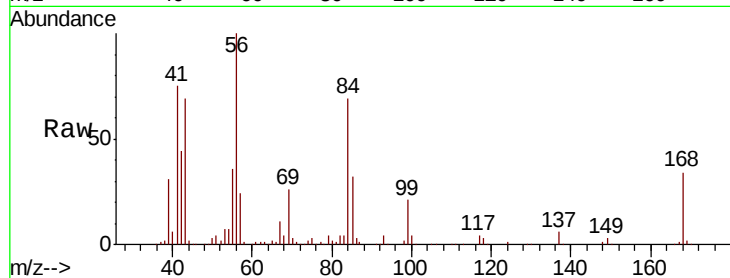
B-7(TW-1)

Tgt Ion:168 Resp: 132483

Ion Ratio Lower Upper

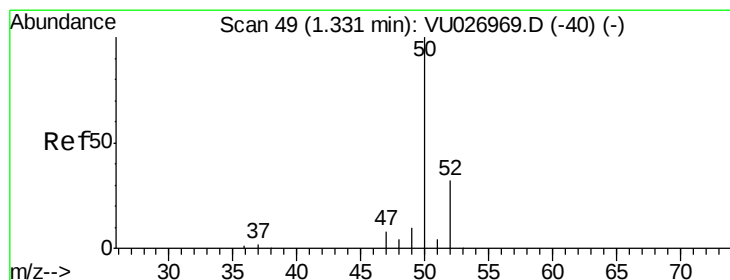
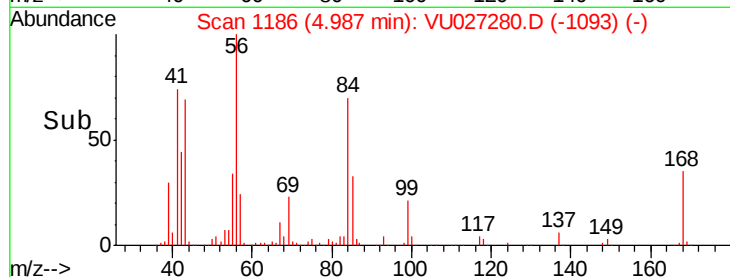
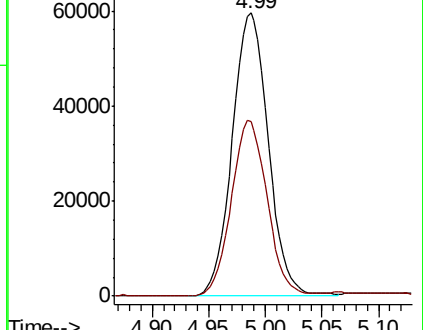
168 100

99 61.8 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: 5.038 ug/l

RT: 1.31 min Scan# 41

Delta R.T. -0.03 min

Lab File: VU027280.D

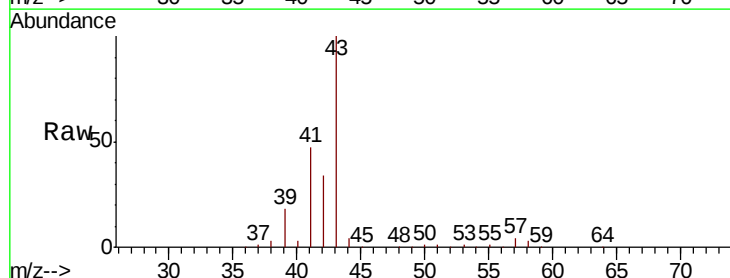
Acq: 28 Sep 2018 18:35

Tgt Ion: 50 Resp: 15026

Ion Ratio Lower Upper

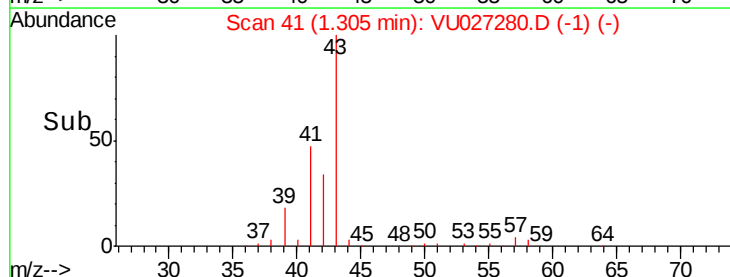
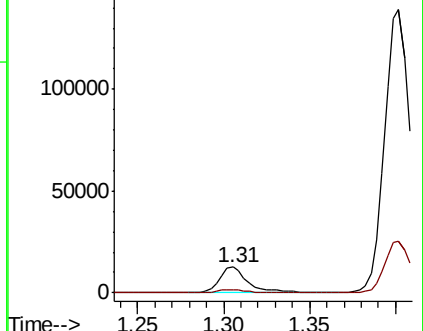
50 100

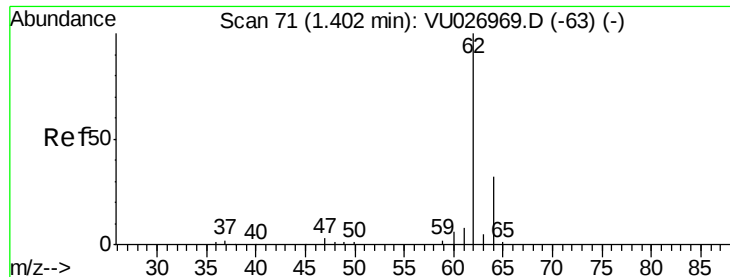
52 14.2 25.9 38.9#



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: 0.442 ug/l

RT: 1.68 min Scan# 156

Delta R.T. 0.27 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampled :

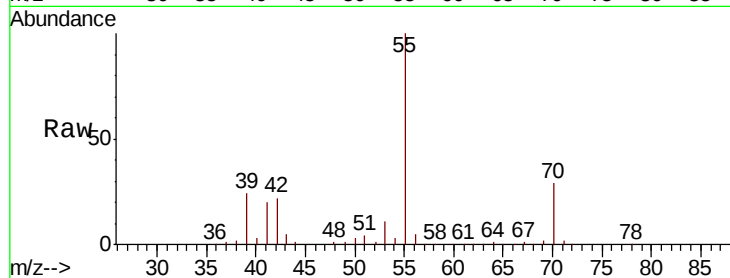
B-7(TW-1)

Tgt Ion: 62 Resp: 1231

Ion Ratio Lower Upper

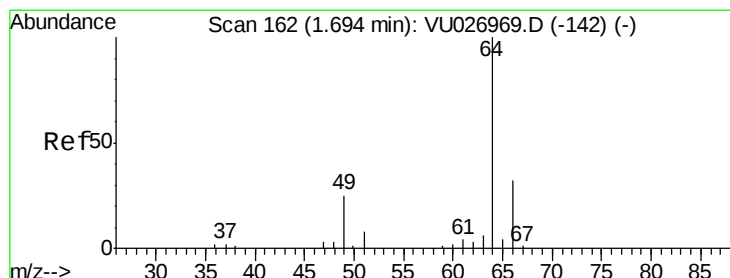
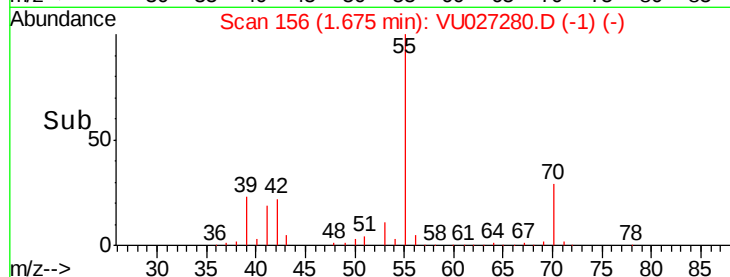
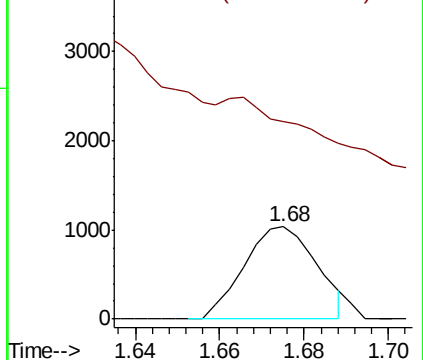
62 100

64 23.4 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: 1.140 ug/l

RT: 1.76 min Scan# 181

Delta R.T. 0.06 min

Lab File: VU027280.D

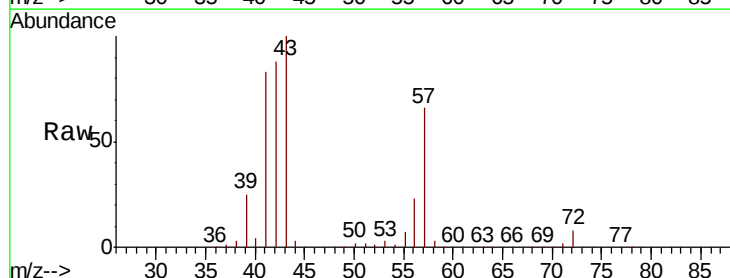
Acq: 28 Sep 2018 18:35

Tgt Ion: 64 Resp: 2028

Ion Ratio Lower Upper

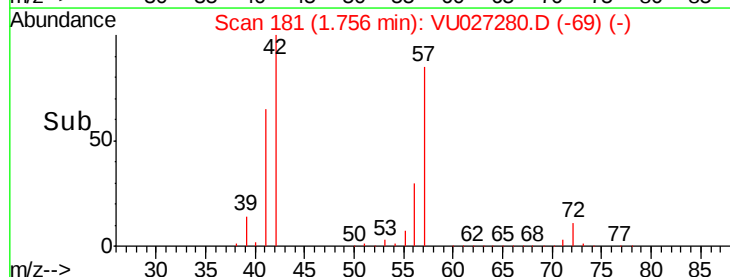
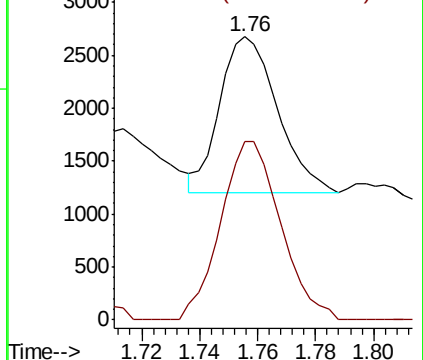
64 100

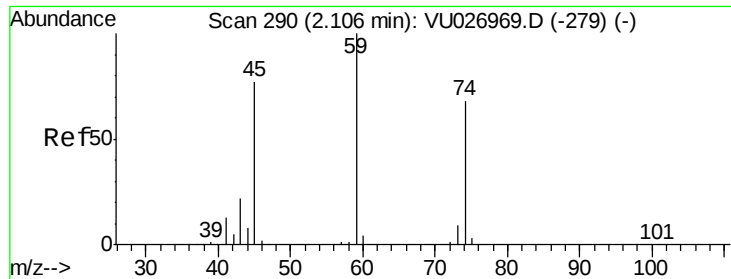
66 114.4 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#8

Diethyl Ether

Concen: 0.361 ug/l

RT: 1.95 min Scan# 240

Delta R.T. -0.16 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

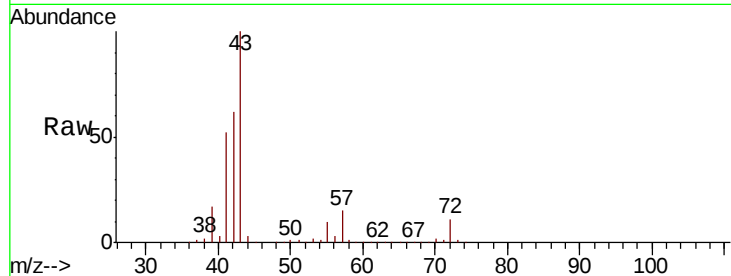
B-7(TW-1)

Tgt Ion: 74 Resp: 549

Ion Ratio Lower Upper

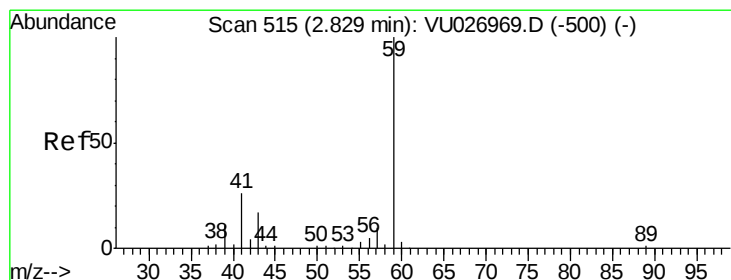
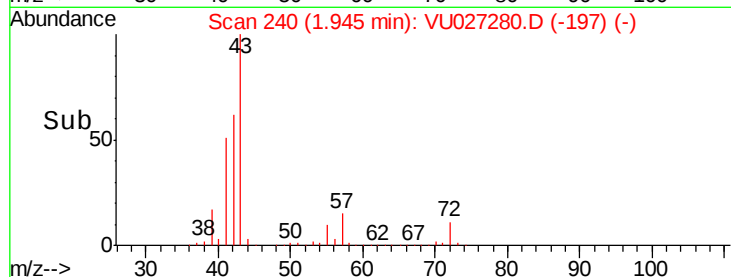
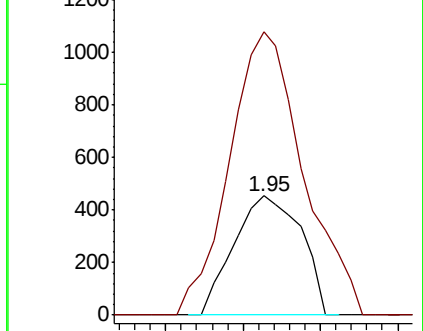
74 100

45 259.7 56.9 170.7#



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



#11

Tert butyl alcohol

Concen: 76.853 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU027280.D

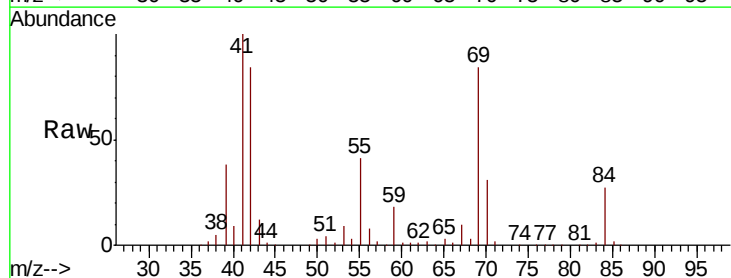
Acq: 28 Sep 2018 18:35

Tgt Ion: 59 Resp: 46970

Ion Ratio Lower Upper

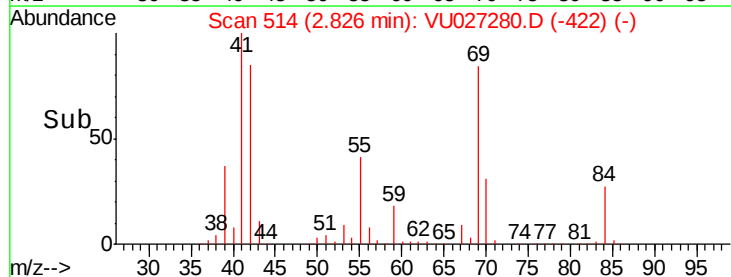
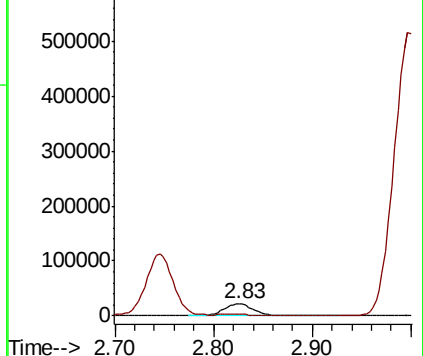
59 100

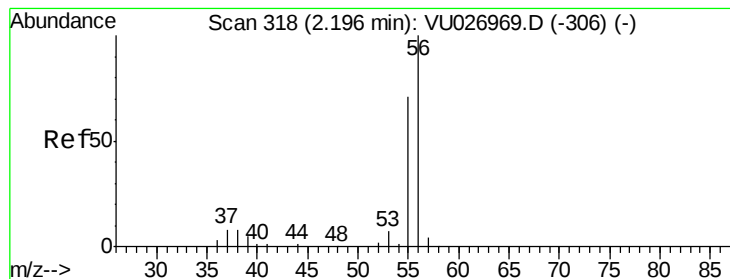
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 414.357 ug/l

RT: 2.18 min Scan# 314

Delta R.T. -0.01 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

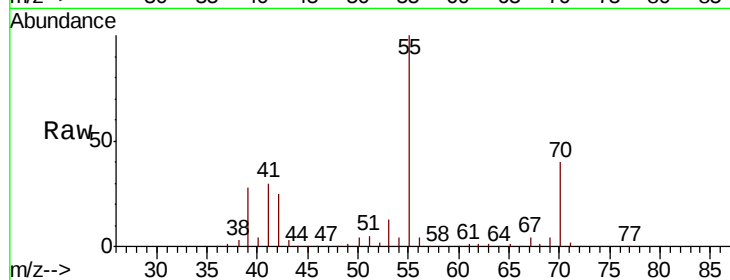
B-7(TW-1)

Tgt Ion: 56 Resp: 136514

Ion Ratio Lower Upper

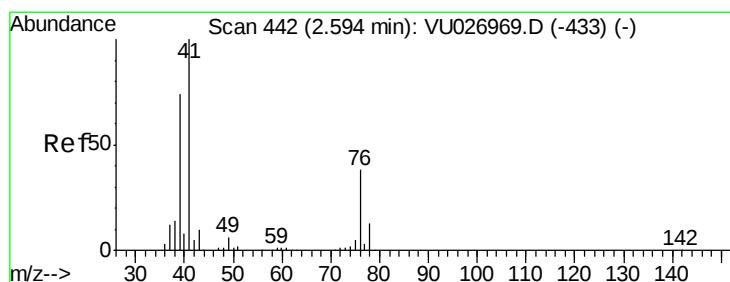
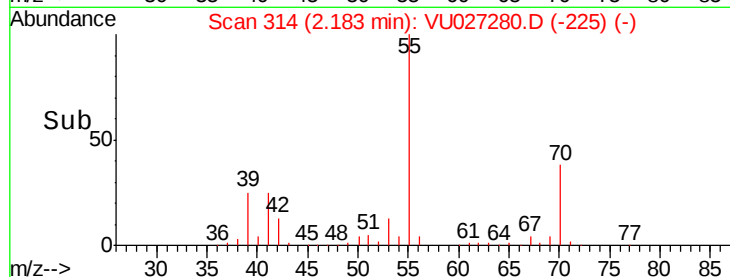
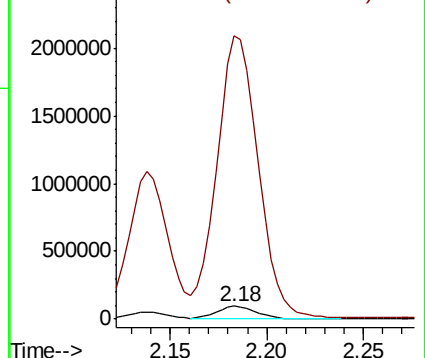
56 100

55 2249.5 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 32.001 ug/l

RT: 2.65 min Scan# 458

Delta R.T. 0.05 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

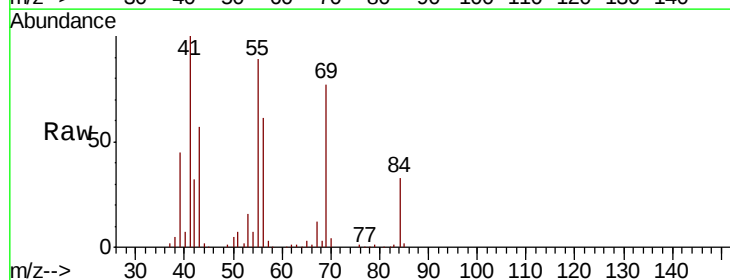
Tgt Ion: 41 Resp: 118762

Ion Ratio Lower Upper

41 100

39 0.0 55.7 83.5#

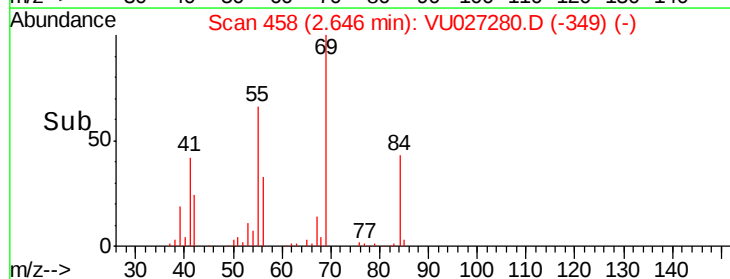
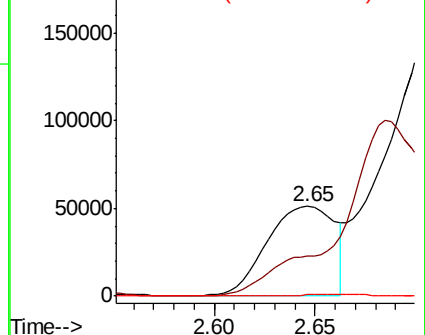
76 0.1 26.5 39.7#

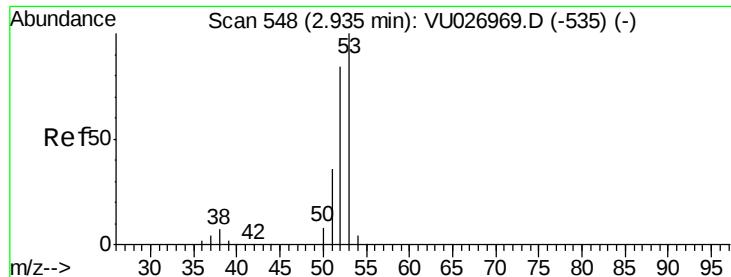


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 21.873 ug/l

RT: 3.00 min Scan# 567

Delta R.T. 0.06 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

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B-7(TW-1)

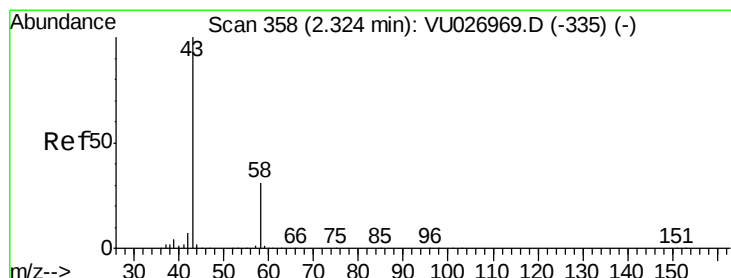
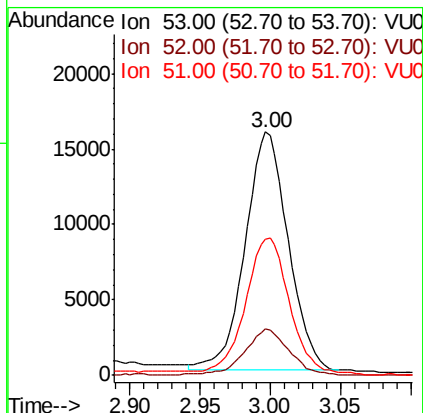
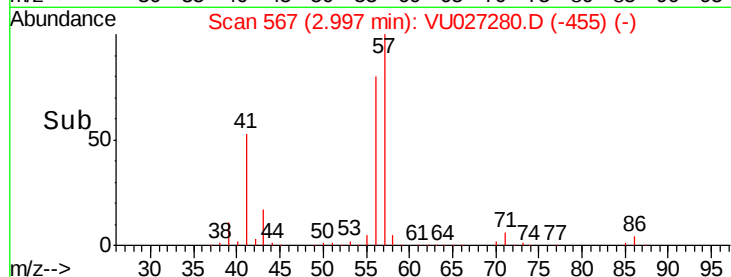
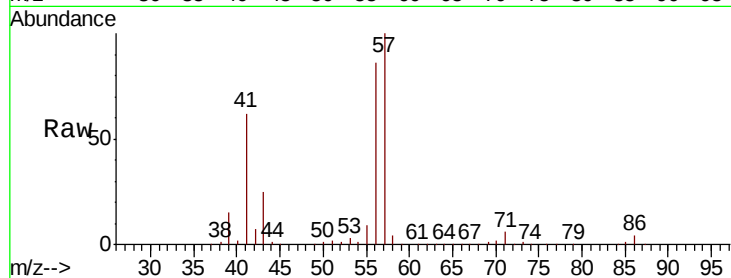
Tgt Ion: 53 Resp: 33692

Ion Ratio Lower Upper

53 100

52 20.1 65.7 98.5#

51 59.9 27.4 41.2#



#16

Acetone

Concen: 192.088 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.01 min

Lab File: VU027280.D

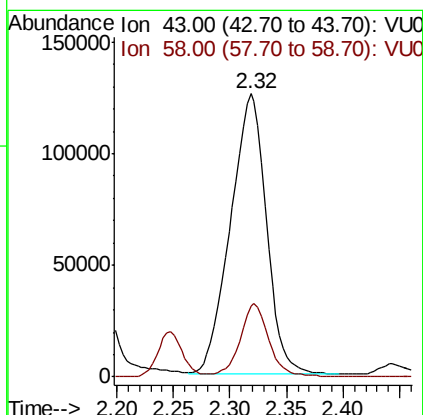
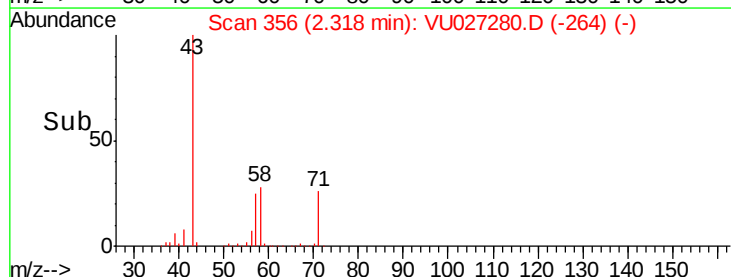
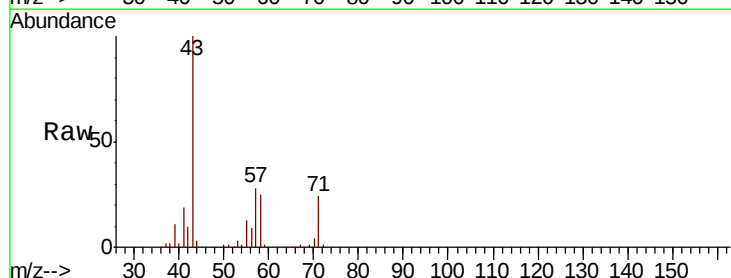
Acq: 28 Sep 2018 18:35

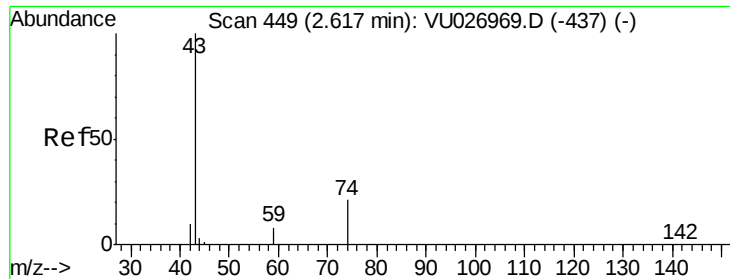
Tgt Ion: 43 Resp: 277514

Ion Ratio Lower Upper

43 100

58 24.9 24.6 36.8





#18

Methyl Acetate

Concen: 21.594 ug/l

RT: 2.63 min Scan# 454

Delta R.T. 0.02 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

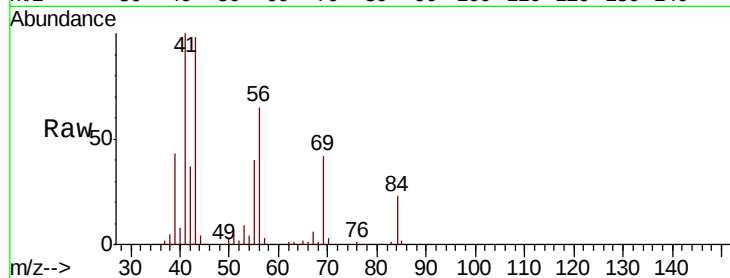
B-7(TW-1)

Tgt Ion: 43 Resp: 81952

Ion Ratio Lower Upper

43 100

74 0.2 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

400000

300000

200000

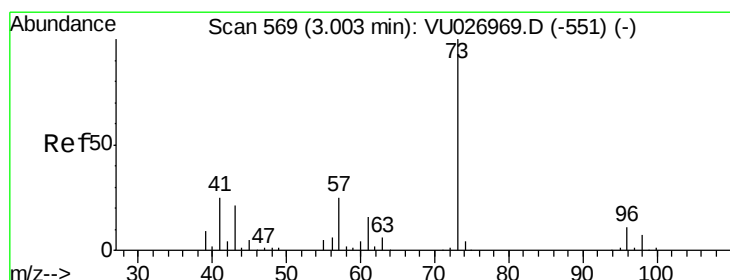
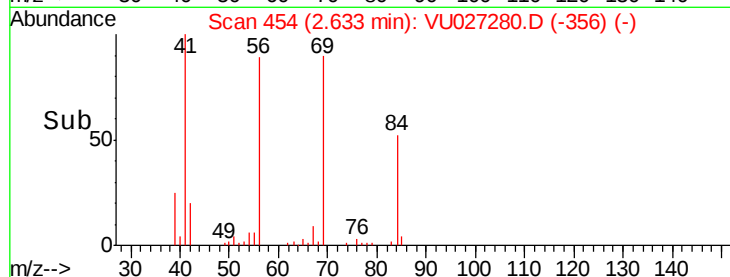
100000

0

2.60

2.65

Time-->



#19

Methyl tert-butyl Ether

Concen: 1.257 ug/l

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU027280.D

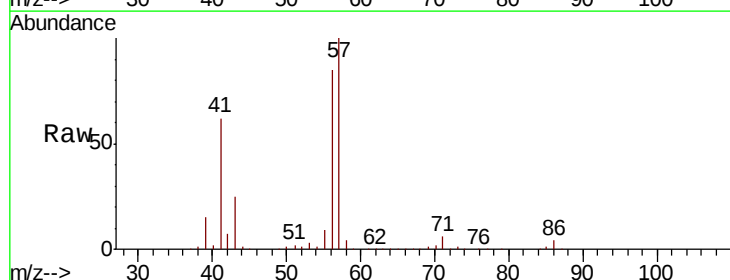
Acq: 28 Sep 2018 18:35

Tgt Ion: 73 Resp: 8450

Ion Ratio Lower Upper

73 100

57 12978.0 19.8 29.6#



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

600000

500000

400000

300000

200000

100000

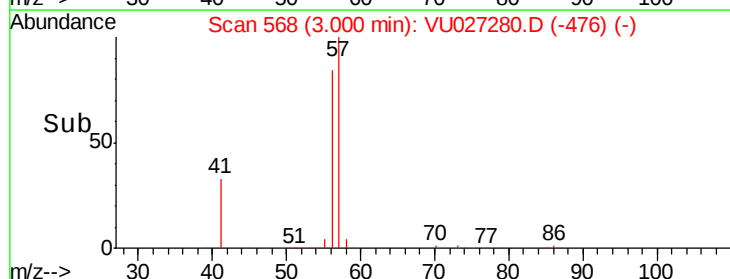
0

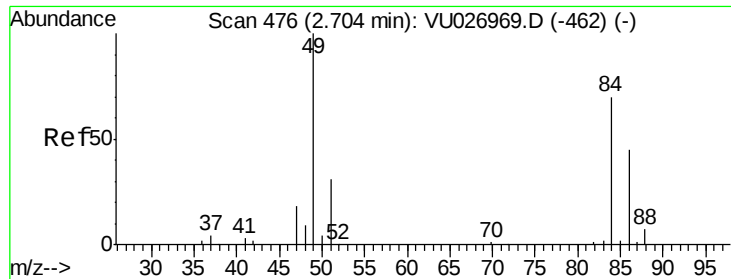
2.95

3.00

3.05

Time-->

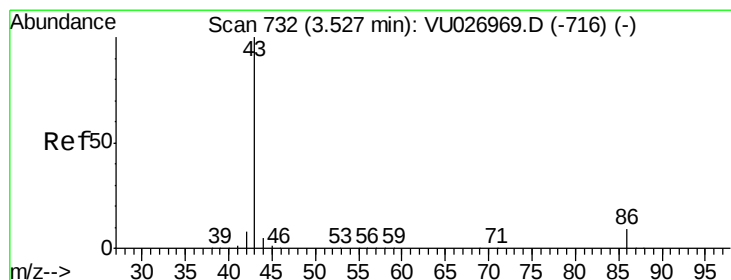
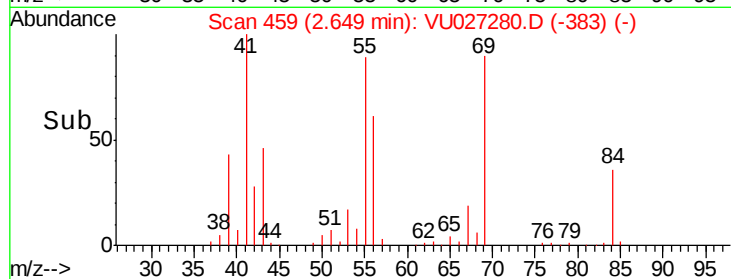
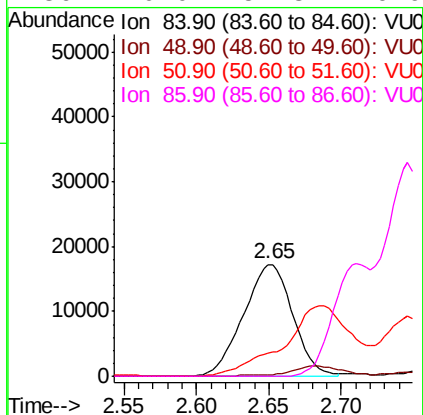
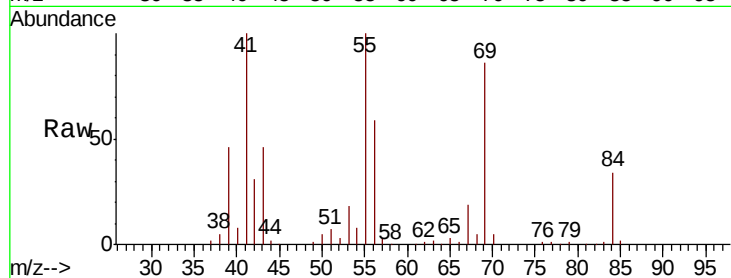




#20
Methylene Chloride
Concen: 17.093 ug/l
RT: 2.65 min Scan# 459
Delta R.T. -0.05 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

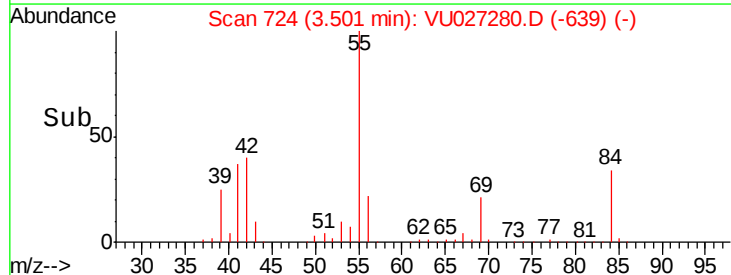
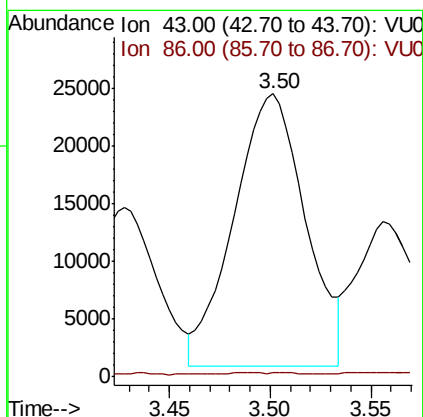
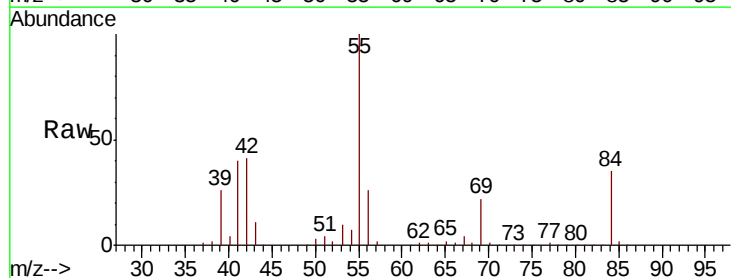
Instrument :
MSVOA_U
ClientSampleId :
B-7(TW-1)

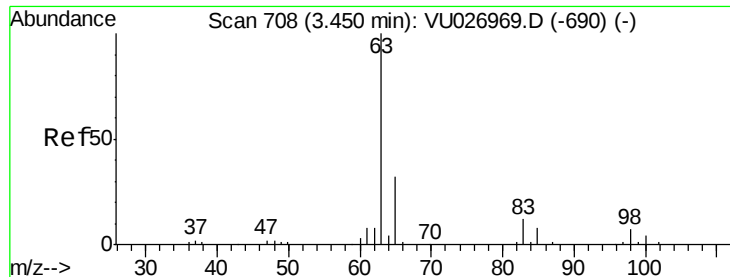
Tgt Ion: 84 Resp: 40817
Ion Ratio Lower Upper
84 100
49 1.6 114.9 172.3#
51 20.5 35.8 53.8#
86 0.0 51.3 76.9#



#23
Vinyl Acetate
Concen: 8.630 ug/l
RT: 3.50 min Scan# 724
Delta R.T. -0.03 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

Tgt Ion: 43 Resp: 58394
Ion Ratio Lower Upper
43 100
86 0.4 7.2 10.8#

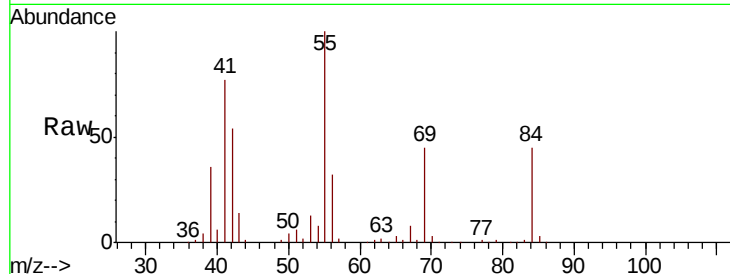




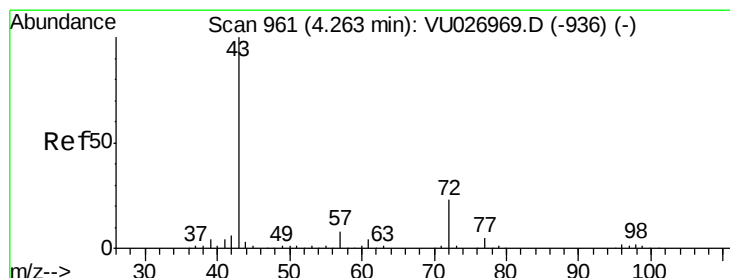
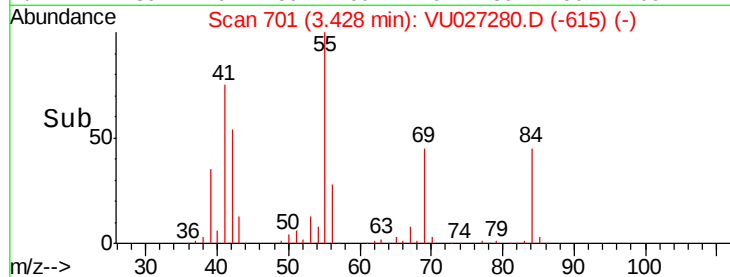
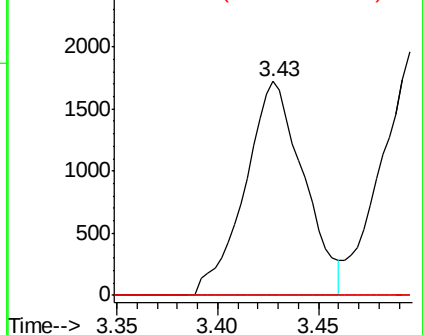
#24
 1,1-Dichloroethane
 Concen: 0.797 ug/l
 RT: 3.43 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

Instrument :
 MSVOA_U
 ClientSampleId :
 B-7(TW-1)

Tgt Ion: 63 Resp: 3486
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.8#
 100 0.0 2.0 5.8#

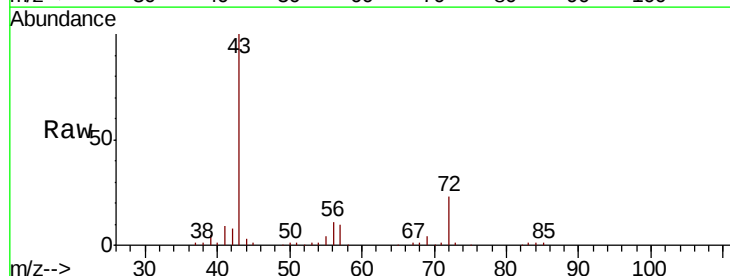


Abundance Ion 62.90 (62.60 to 63.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0
 Ion 99.90 (99.60 to 100.60): VU0

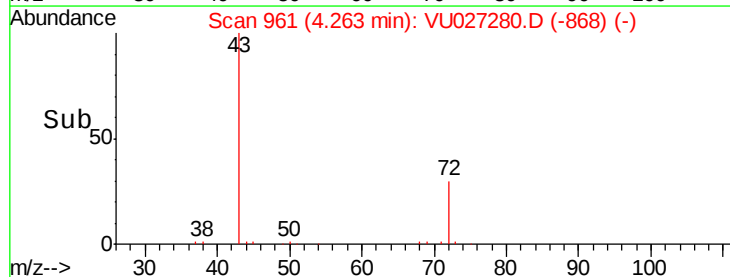
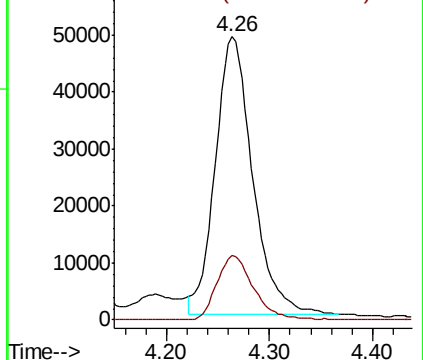


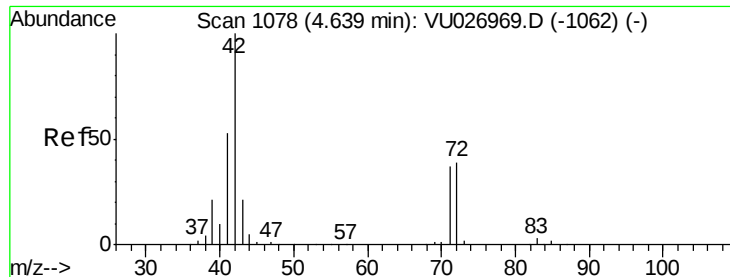
#25
 2-Butanone
 Concen: 54.635 ug/l
 RT: 4.26 min Scan# 961
 Delta R.T. 0.00 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

Tgt Ion: 43 Resp: 122429
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.4 27.6



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





#29

Tetrahydrofuran

Concen: 1.104 ug/l

RT: 4.69 min Scan# 1095

Delta R.T. 0.05 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

B-7(TW-1)

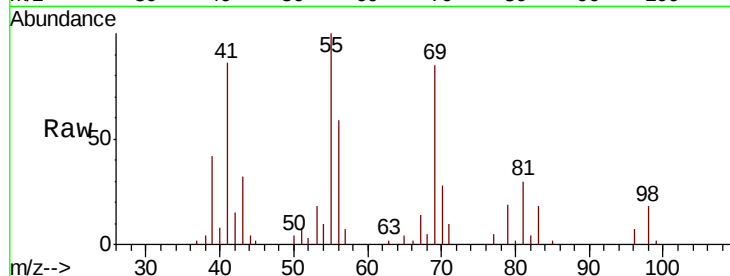
Tgt Ion: 42 Resp: 1496

Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

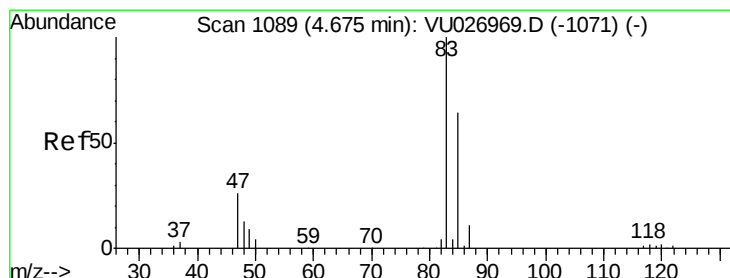
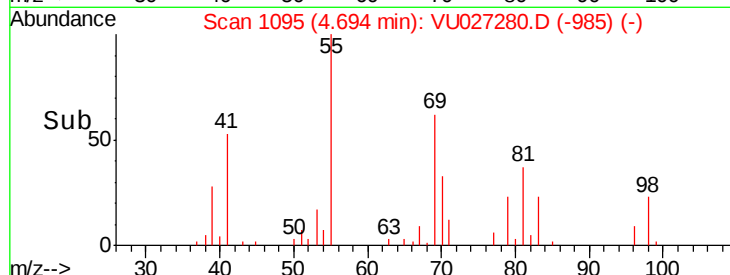
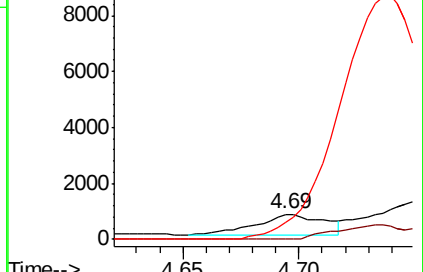
71 0.0 29.6 44.4#



Abundance Ion 42.00 (41.70 to 42.70): VU026969.D (-1062) (-)

Ion 72.00 (71.70 to 72.70): VU026969.D (-1062) (-)

Ion 71.00 (70.70 to 71.70): VU026969.D (-1062) (-)



#30

Chloroform

Concen: 5.793 ug/l

RT: 4.74 min Scan# 1108

Delta R.T. 0.06 min

Lab File: VU027280.D

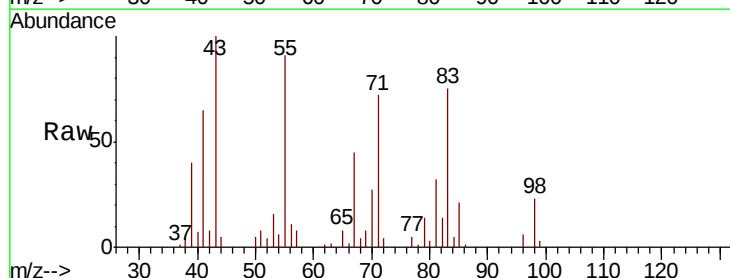
Acq: 28 Sep 2018 18:35

Tgt Ion: 83 Resp: 23508

Ion Ratio Lower Upper

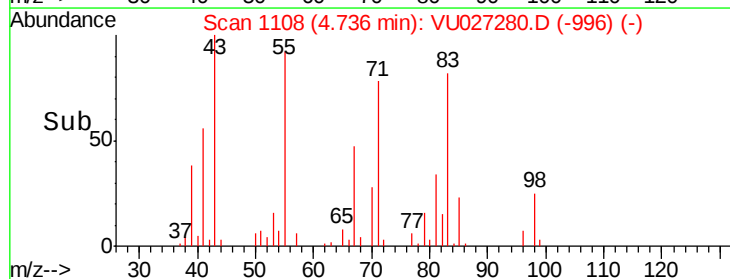
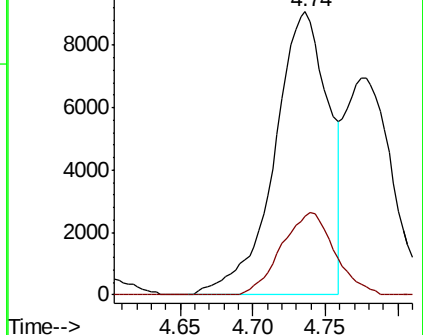
83 100

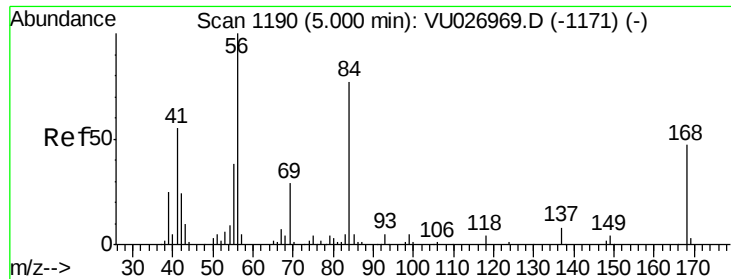
85 27.8 51.5 77.3#



Abundance Ion 82.90 (82.60 to 83.60): VU026969.D (-1071) (-)

Ion 84.90 (84.60 to 85.60): VU026969.D (-1071) (-)

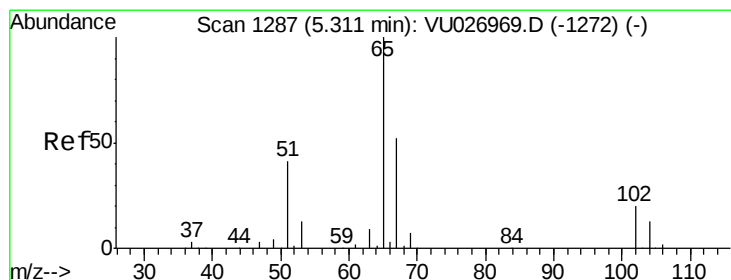
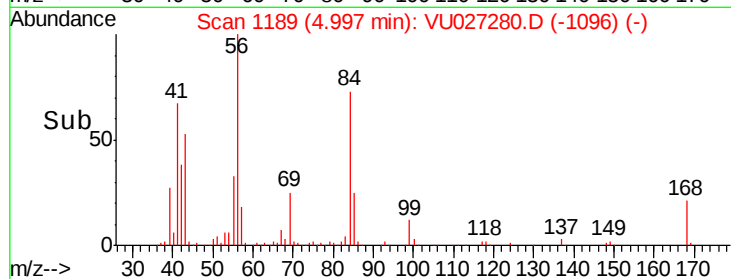
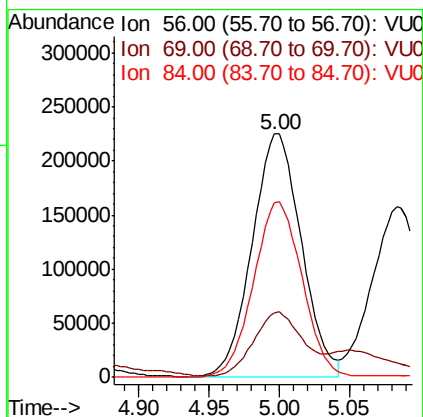
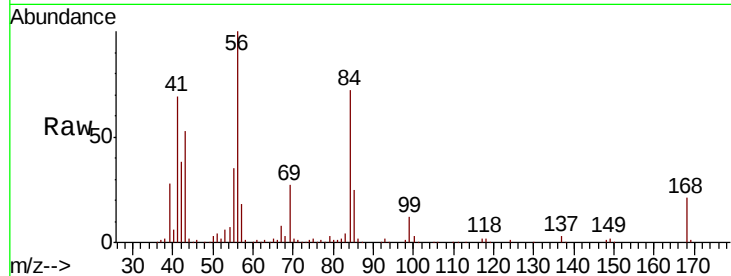




#31
Cyclohexane
Concen: 138.213 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

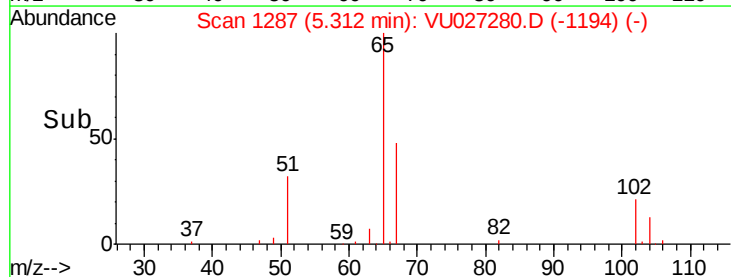
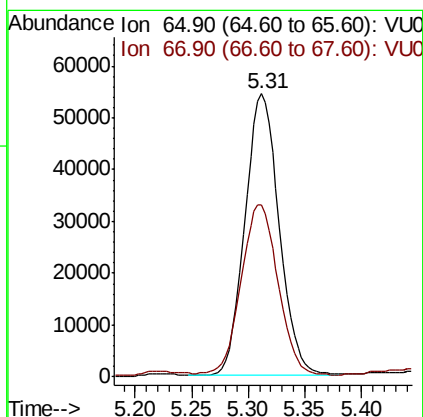
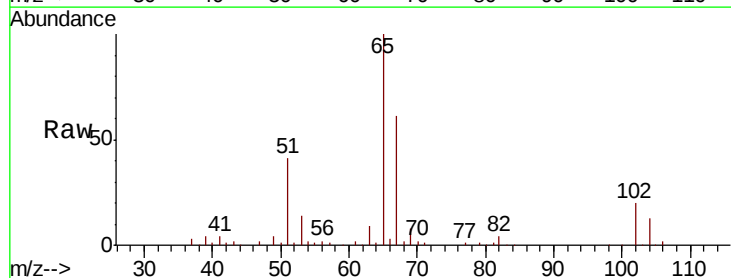
Instrument :
MSVOA_U
ClientSampleId :
B-7(TW-1)

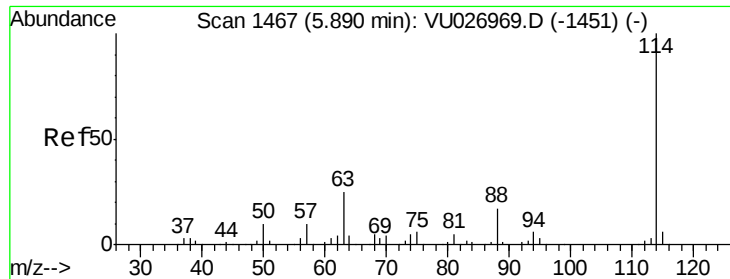
Tgt Ion	Resp	Lower	Upper
56	100		
69	25.7	23.0	34.4
84	71.8	61.4	92.2



#33
1,2-Dichloroethane-d4
Concen: 43.104 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

Tgt Ion	Resp	Lower	Upper
65	100		
67	64.5	0.0	105.6

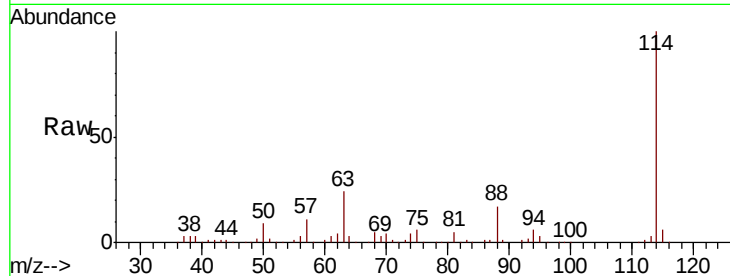




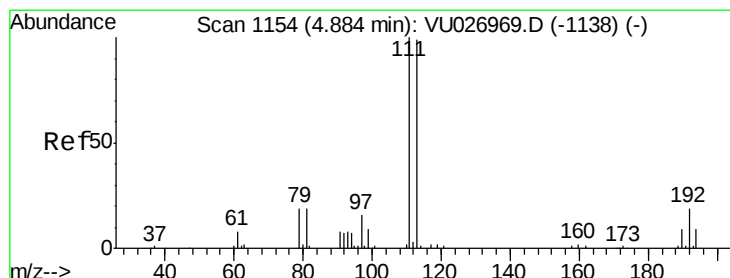
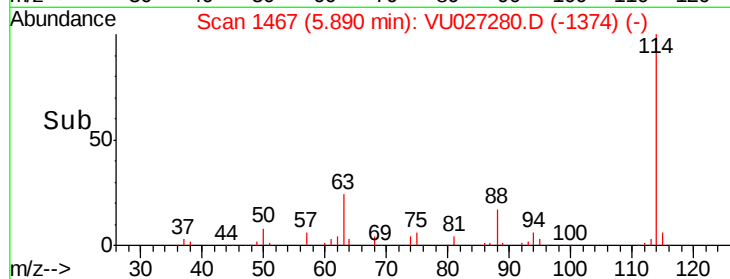
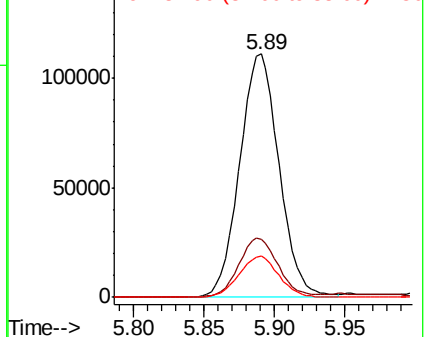
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

Instrument :
 MSVOA_U
 ClientSampleId :
 B-7(TW-1)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	49.2
88	16.8	0.0	33.8

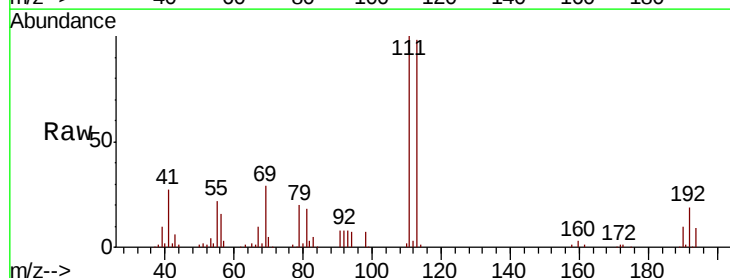


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

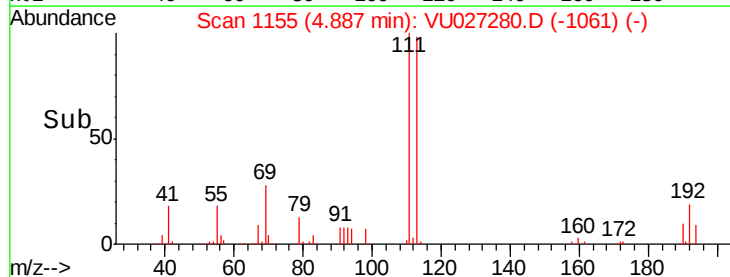
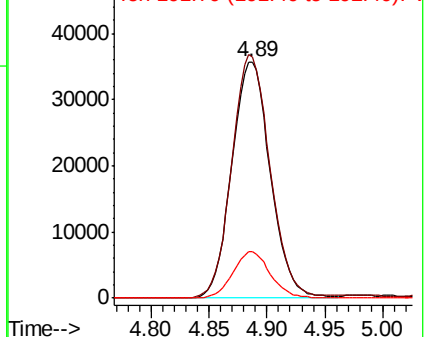


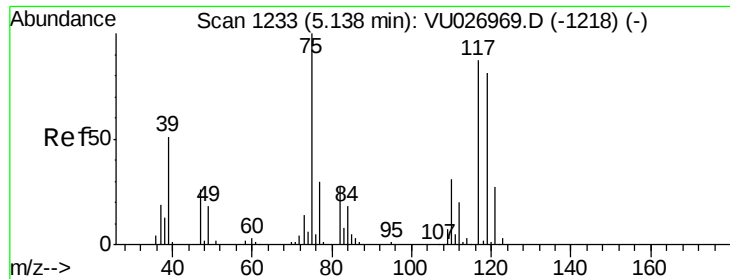
#35
 Dibromofluoromethane
 Concen: 43.843 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	19.0	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

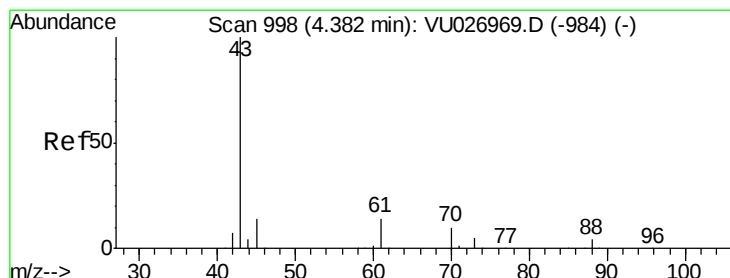
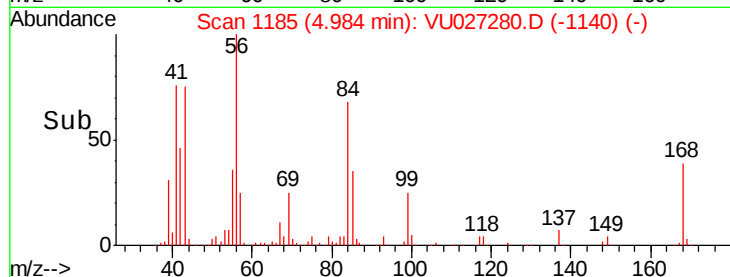
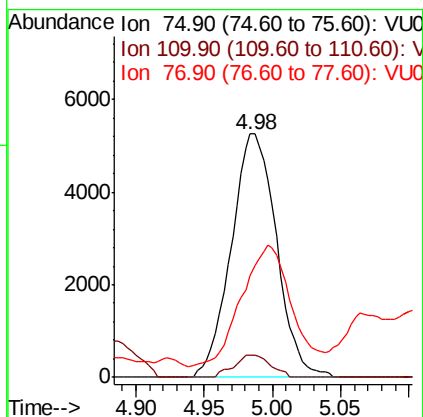
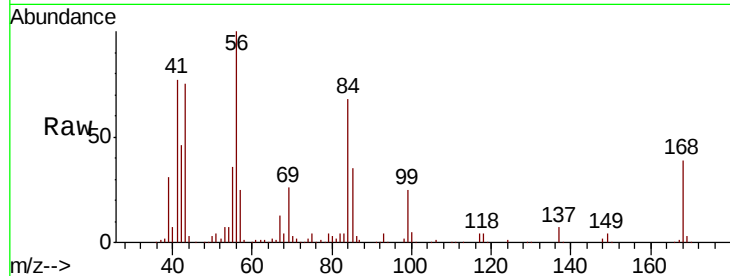




#36
 1,1-Dichloropropene
 Concen: 4.168 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

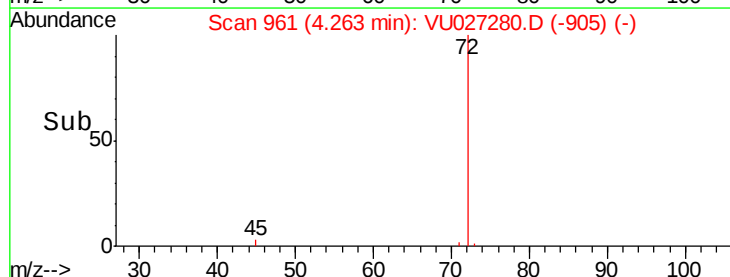
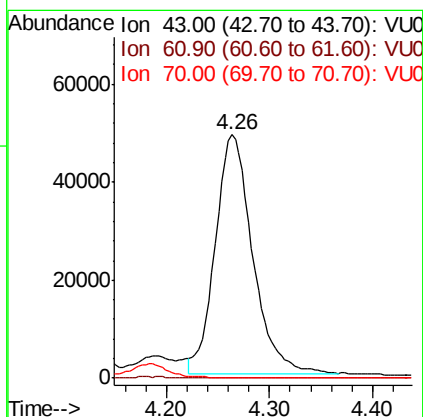
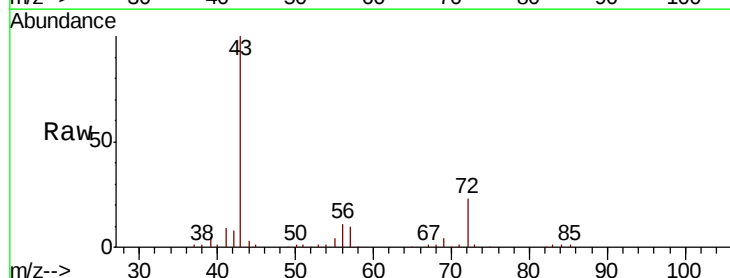
Instrument :
 MSVOA_U
 ClientSampleId :
 B-7(TW-1)

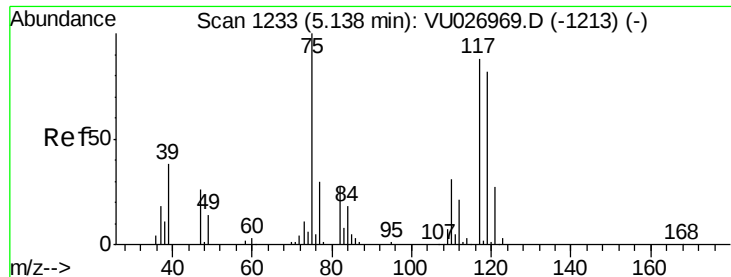
Tgt Ion: 75 Resp: 12109
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.1 48.2#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 31.130 ug/l
 RT: 4.26 min Scan# 961
 Delta R.T. -0.12 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

Tgt Ion: 43 Resp: 122429
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 7.4 11.0#





#38

Carbon Tetrachloride

Concen: 4.852 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

B-7(TW-1)

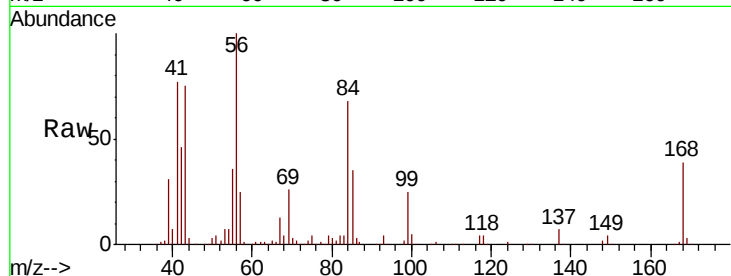
Tgt Ion: 117 Resp: 13413

Ion Ratio Lower Upper

117 100

119 4.3 74.4 111.6#

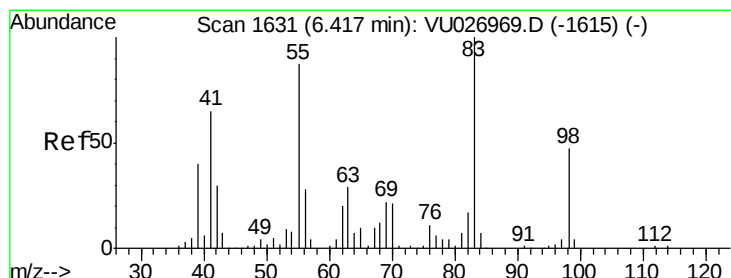
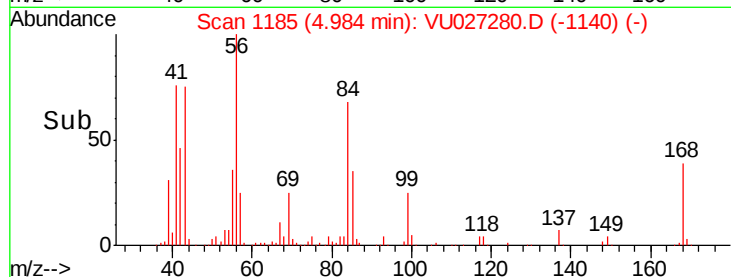
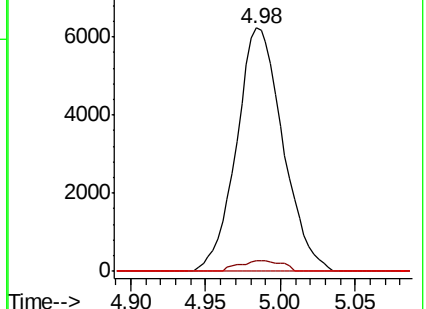
121 0.0 24.2 36.4#



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: 94.408 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

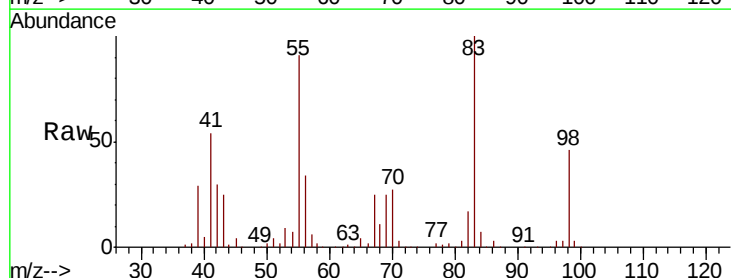
Tgt Ion: 83 Resp: 298055

Ion Ratio Lower Upper

83 100

55 90.7 69.9 104.9

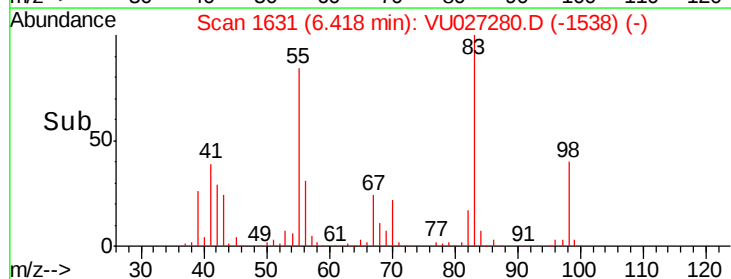
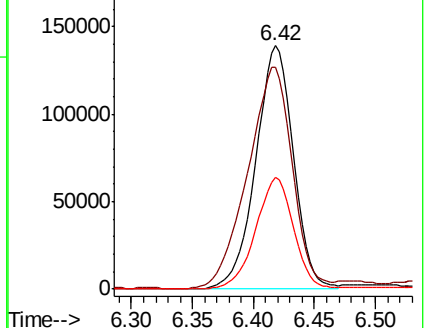
98 45.7 37.5 56.3

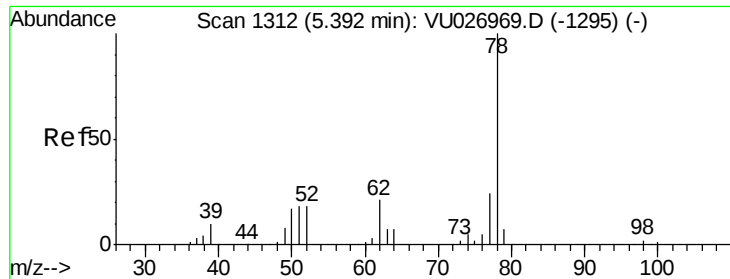


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 269.314 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

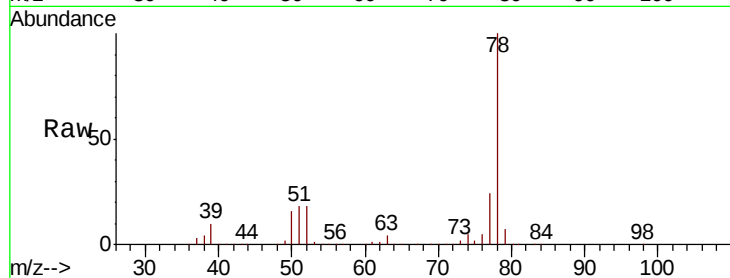
B-7(TW-1)

Tgt Ion: 78 Resp: 2378492

Ion Ratio Lower Upper

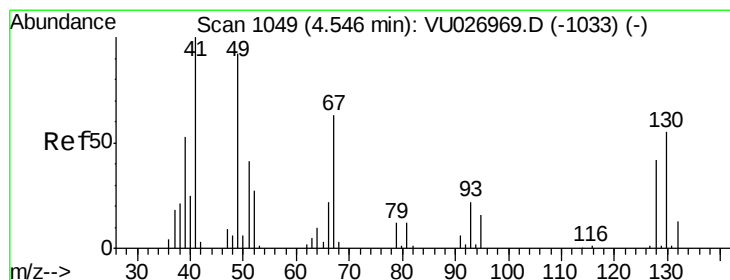
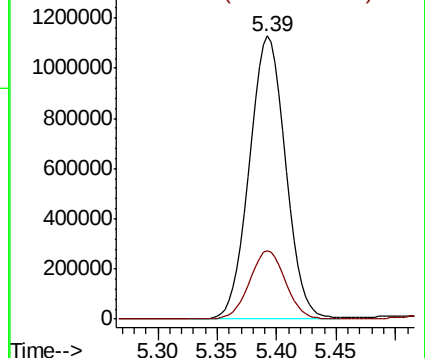
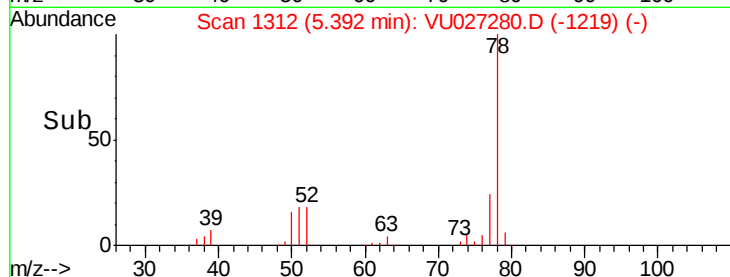
78 100

77 24.2 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: 5.658 ug/l

RT: 4.60 min Scan# 1065

Delta R.T. 0.05 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Tgt Ion: 41 Resp: 11556

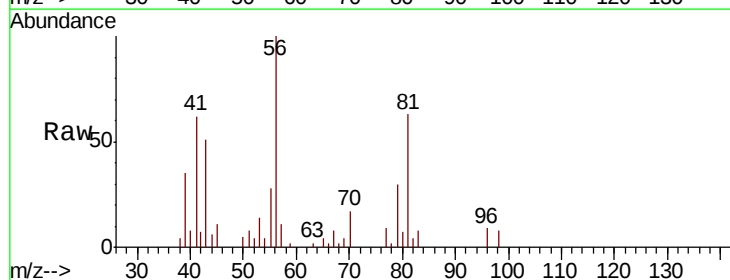
Ion Ratio Lower Upper

41 100

39 58.4 42.9 64.3

67 0.0 52.4 78.6#

52 0.0 21.3 31.9#

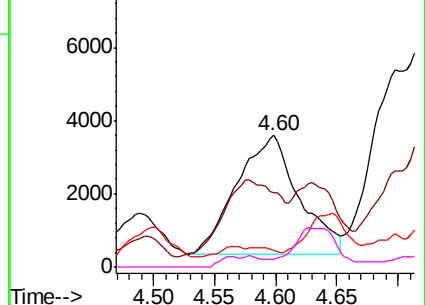
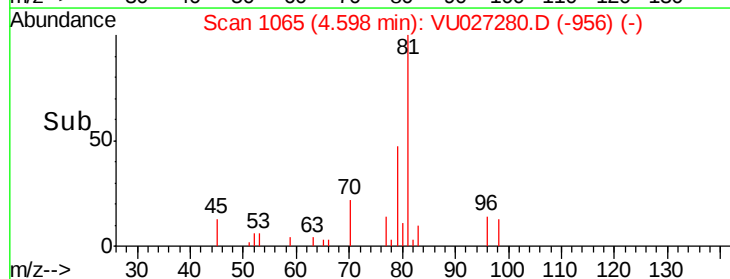


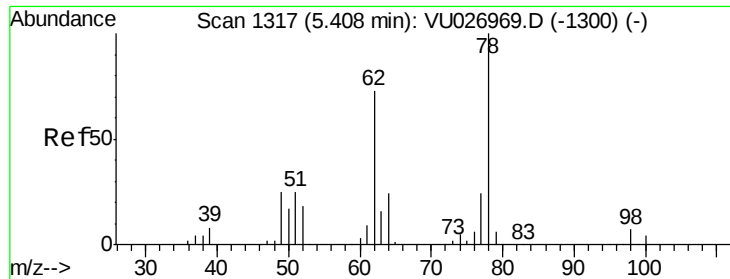
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#42

1,2-Dichloroethane

Concen: 6.079 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

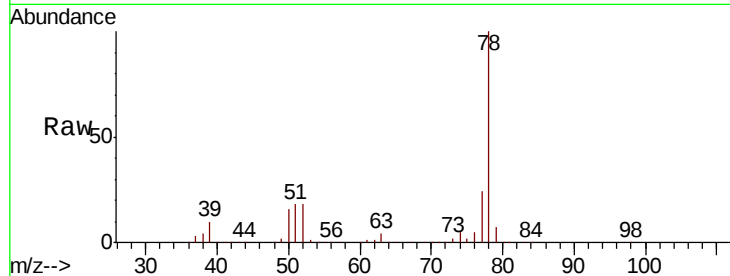
B-7(TW-1)

Tgt Ion: 62 Resp: 20285

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

5.39

10000

8000

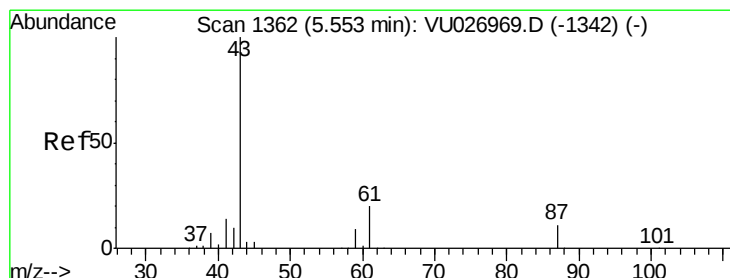
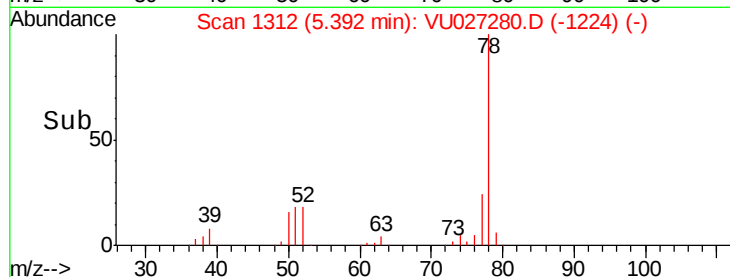
6000

4000

2000

0

Time--> 5.30 5.35 5.40 5.45



#43

Isopropyl Acetate

Concen: 20.266 ug/l

RT: 5.54 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

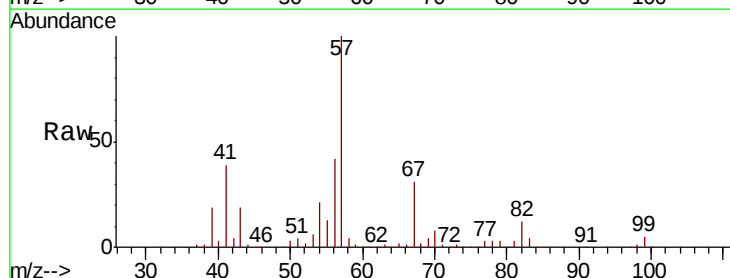
Tgt Ion: 43 Resp: 116236

Ion Ratio Lower Upper

43 100

61 1.6 15.7 23.5#

87 0.0 9.0 13.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

5.54

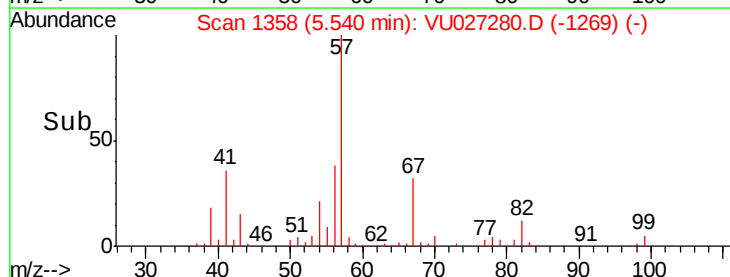
60000

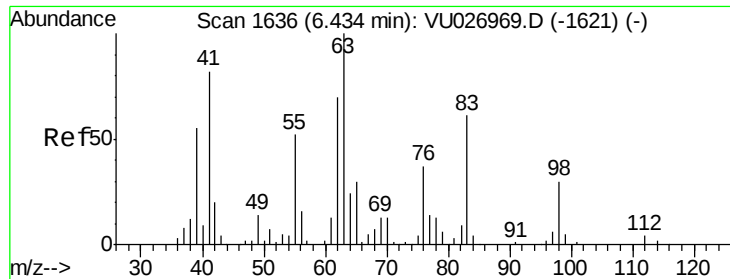
40000

20000

0

Time--> 5.50 5.55 5.60





#45

1,2-Dichloropropane

Concen: 1.634 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.02 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

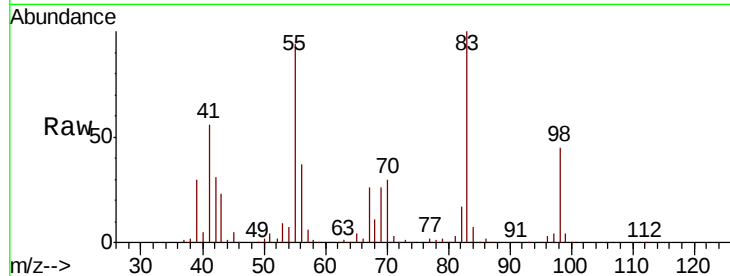
B-7(TW-1)

Tgt Ion: 63 Resp: 4111

Ion Ratio Lower Upper

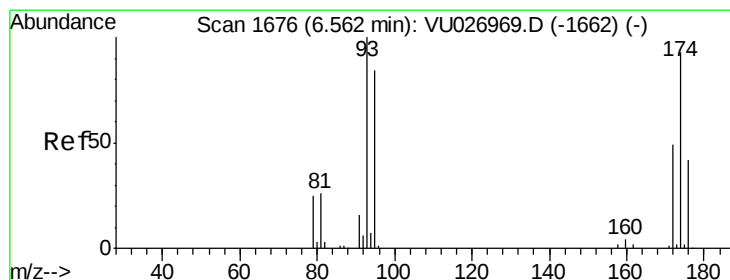
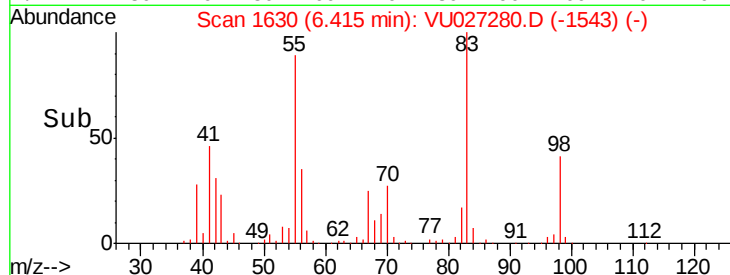
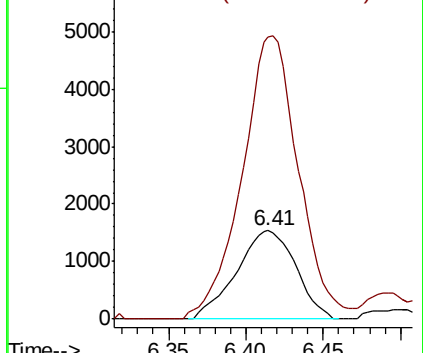
63 100

65 310.8 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VU027280.D (-1543) (-)

Ion 64.90 (64.60 to 65.60): VU027280.D (-1543) (-)



#46

Dibromomethane

Concen: 0.213 ug/l

RT: 6.54 min Scan# 1669

Delta R.T. -0.02 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

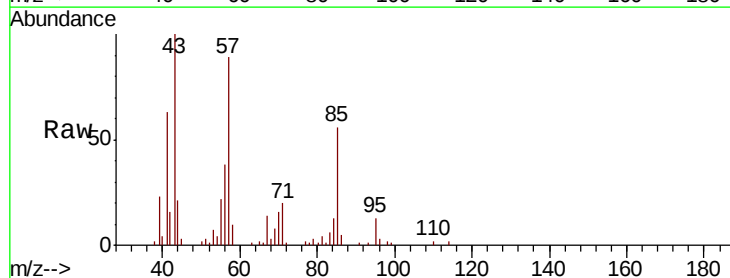
Tgt Ion: 93 Resp: 324

Ion Ratio Lower Upper

93 100

95 915.7 66.2 99.4#

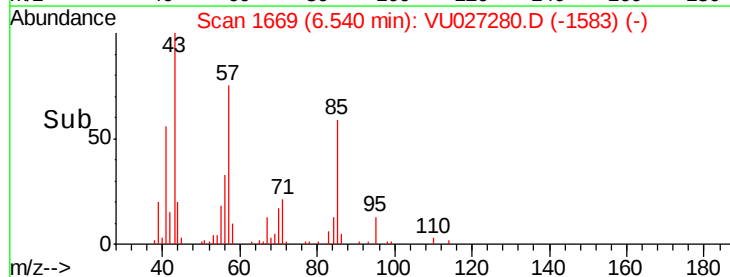
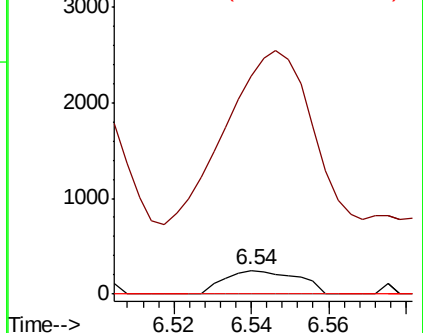
174 0.0 71.7 107.5#

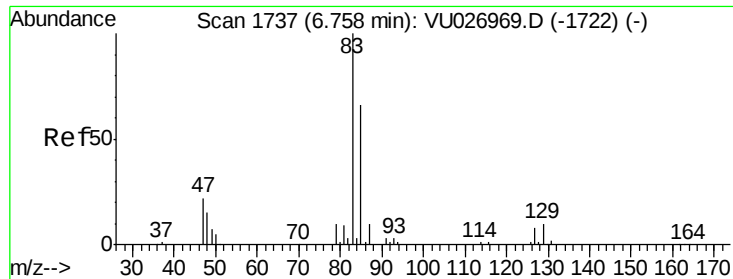


Abundance Ion 92.80 (92.50 to 93.50): VU027280.D (-1583) (-)

Ion 94.80 (94.50 to 95.50): VU027280.D (-1583) (-)

Ion 173.70 (173.40 to 174.40): VU027280.D (-1583) (-)

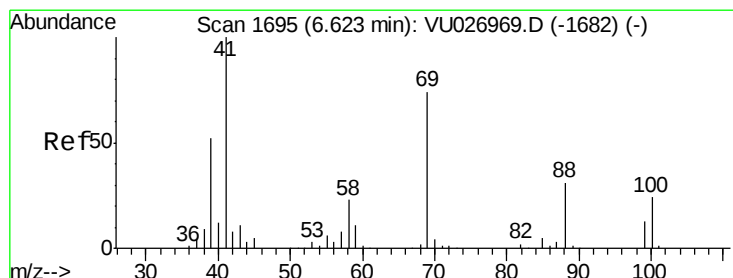
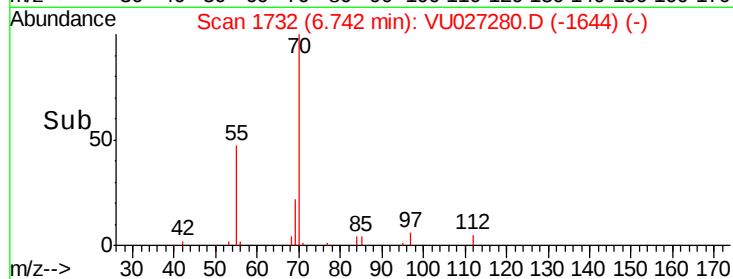
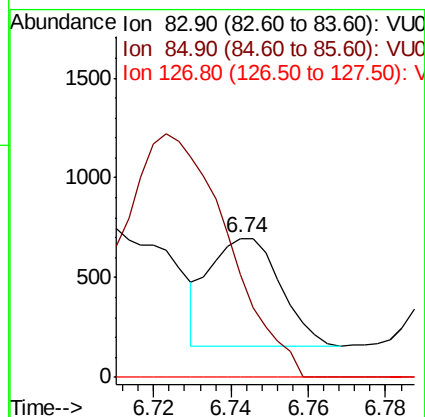
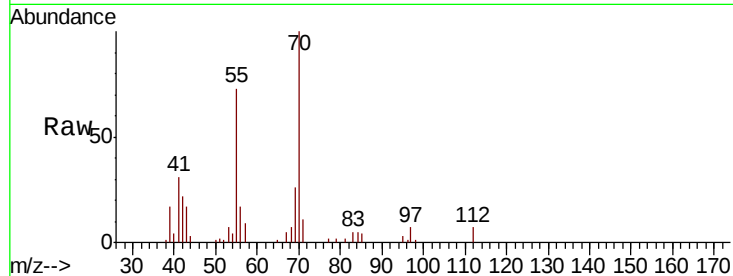




#47
 Bromodichloromethane
 Concen: 0.222 ug/l
 RT: 6.74 min Scan# 1732
 Delta R.T. -0.02 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

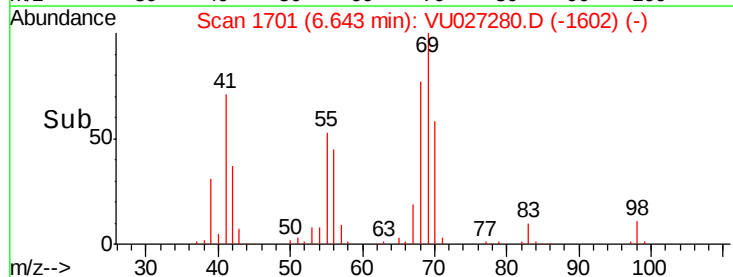
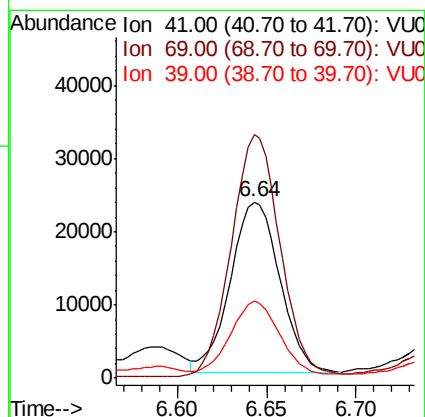
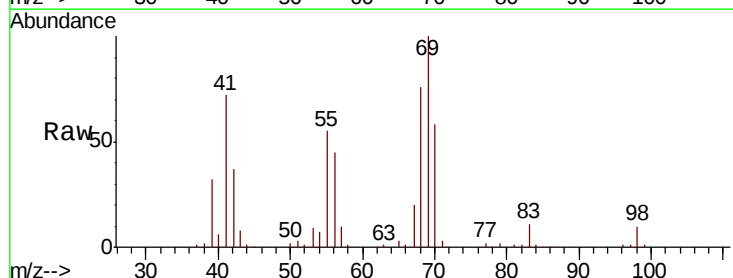
Instrument :
 MSVOA_U
 ClientSampleId :
 B-7(TW-1)

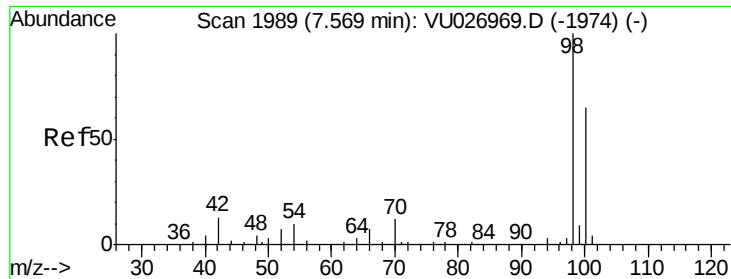
Tgt Ion: 83 Resp: 681
 Ion Ratio Lower Upper
 83 100
 85 95.4 52.5 78.7#
 127 0.0 6.3 9.5#



#48
 Methyl methacrylate
 Concen: 15.142 ug/l
 RT: 6.64 min Scan# 1701
 Delta R.T. 0.02 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

Tgt Ion: 41 Resp: 45022
 Ion Ratio Lower Upper
 41 100
 69 139.1 60.6 90.8#
 39 41.6 42.8 64.2#

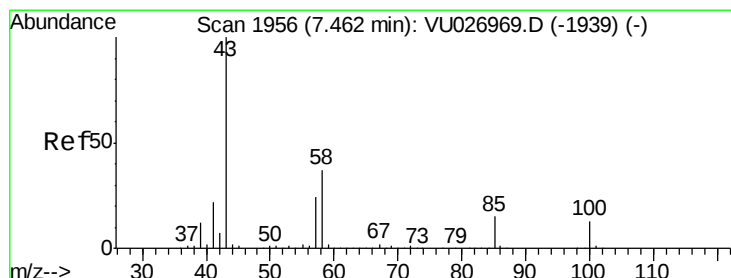
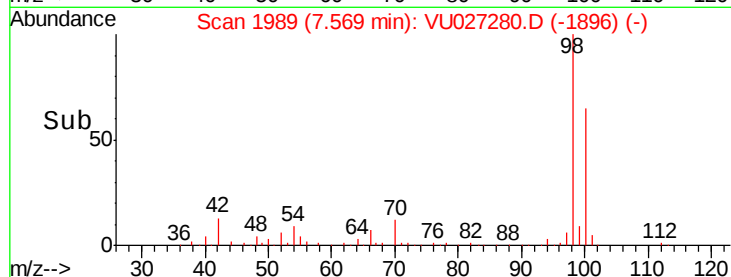
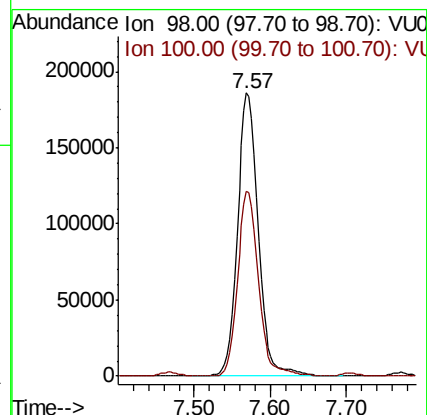
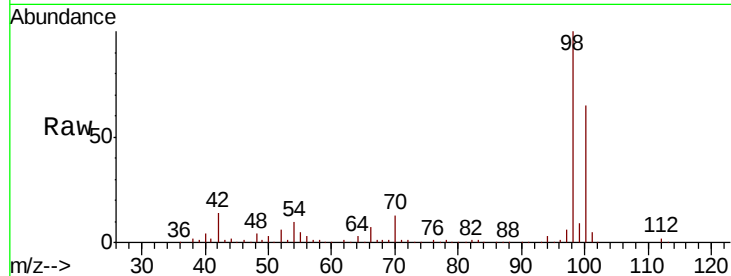




#50
Toluene-d8
Concen: 49.011 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

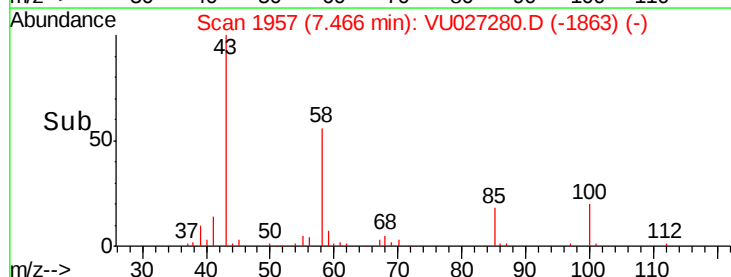
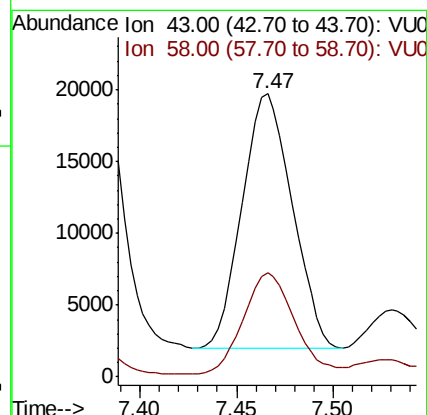
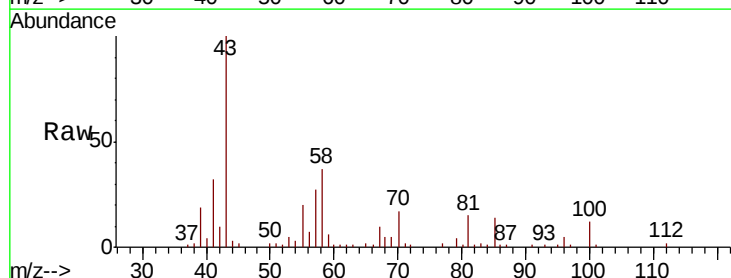
Instrument :
MSVOA_U
ClientSampleId :
B-7(TW-1)

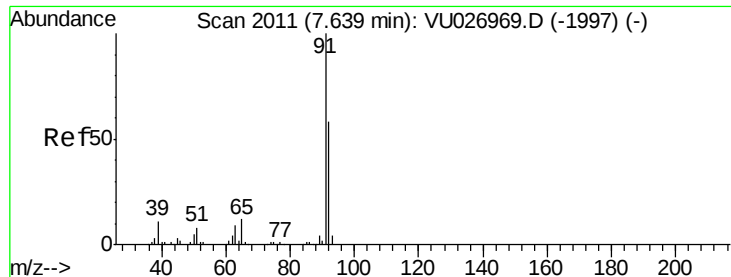
Tgt Ion: 98 Resp: 352433
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 8.291 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

Tgt Ion: 43 Resp: 31981
Ion Ratio Lower Upper
43 100
58 41.2 29.8 44.6





#52

Toluene

Concen: 3277.546 ug/l

RT: 7.65 min Scan# 2015

Delta R.T. 0.01 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

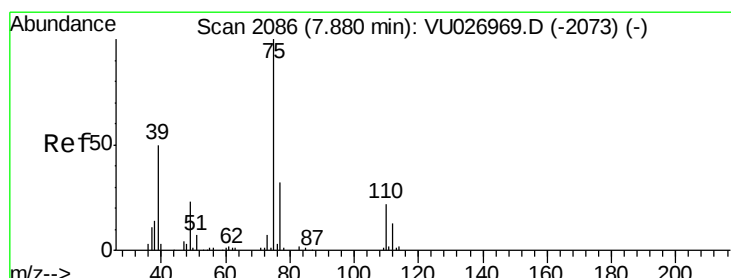
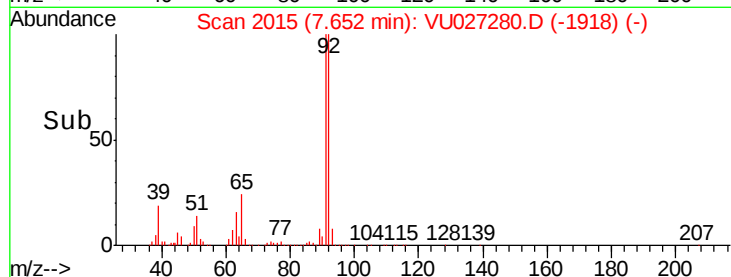
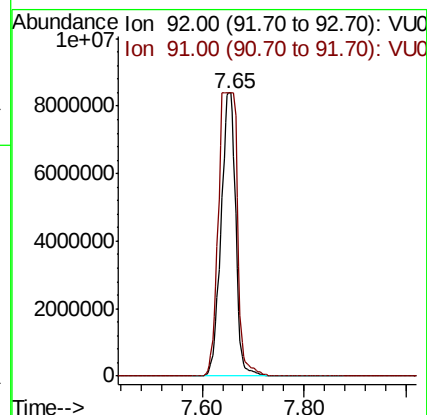
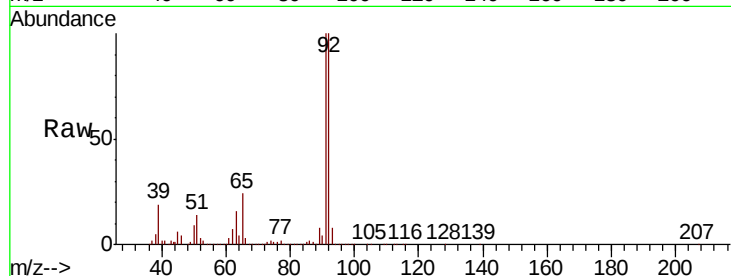
B-7(TW-1)

Tgt Ion: 92 Resp:16591993

Ion Ratio Lower Upper

92 100

91 0.0 136.4 204.6#



#53

t-1,3-Dichloropropene

Concen: 62.221 ug/l

RT: 7.65 min Scan# 2015

Delta R.T. -0.23 min

Lab File: VU027280.D

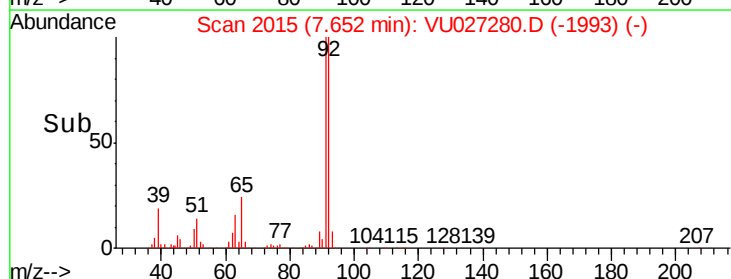
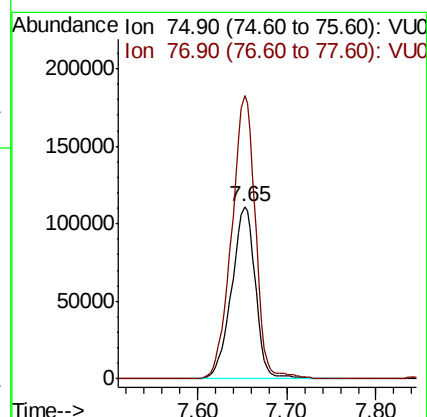
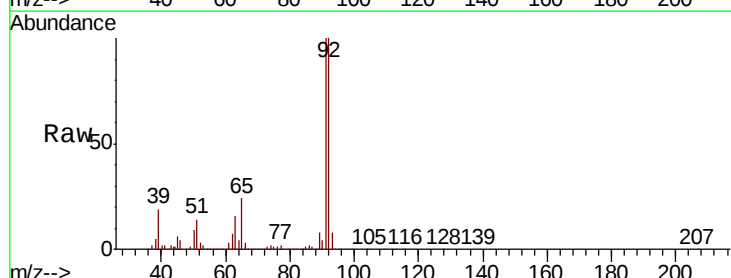
Acq: 28 Sep 2018 18:35

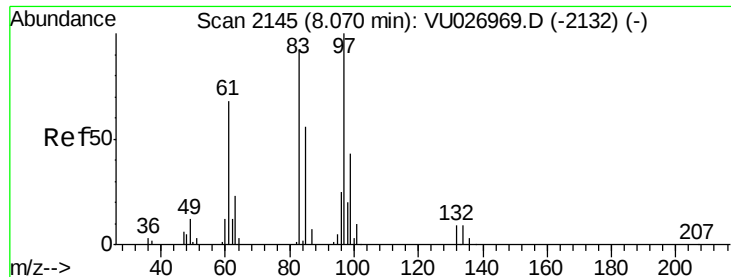
Tgt Ion: 75 Resp: 205443

Ion Ratio Lower Upper

75 100

77 164.2 25.3 37.9#





#55

1,1,2-Trichloroethane

Concen: 11.776 ug/l

RT: 8.05 min Scan# 2139

Delta R.T. -0.02 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

B-7(TW-1)

Tgt Ion: 97 Resp: 25260

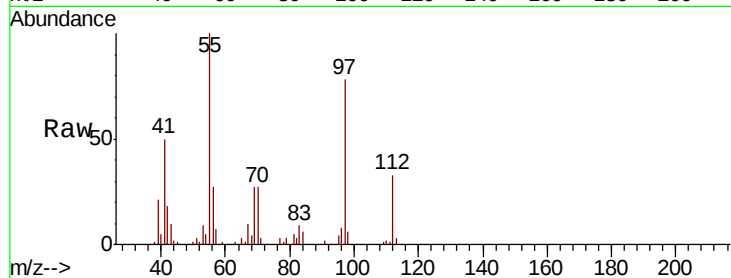
Ion Ratio Lower Upper

97 100

83 10.1 73.1 109.7#

85 0.0 46.7 70.1#

99 0.0 50.0 75.0#



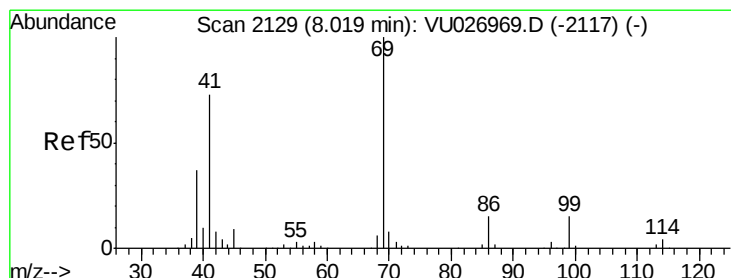
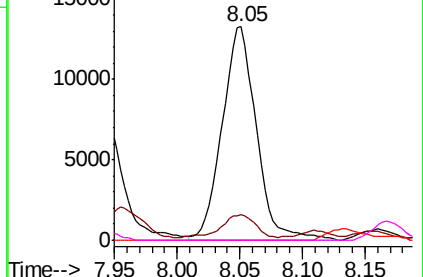
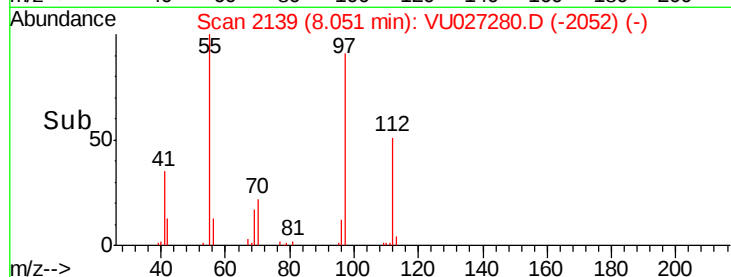
Abundance Ion 96.90 (96.60 to 97.60): VU0

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

Time--> 7.95 8.00 8.05 8.10 8.15



#56

Ethyl methacrylate

Concen: 4.276 ug/l

RT: 8.05 min Scan# 2138

Delta R.T. 0.03 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

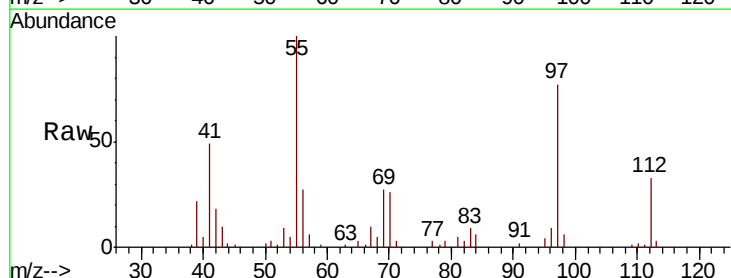
Tgt Ion: 69 Resp: 8105

Ion Ratio Lower Upper

69 100

41 156.1 59.0 88.4#

39 67.1 30.2 45.4#

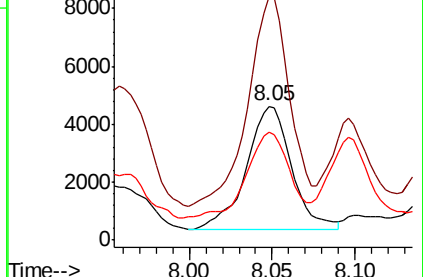
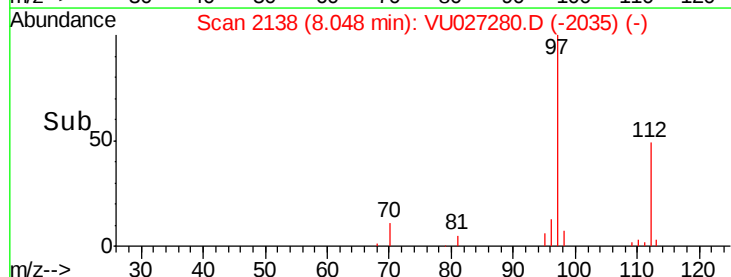


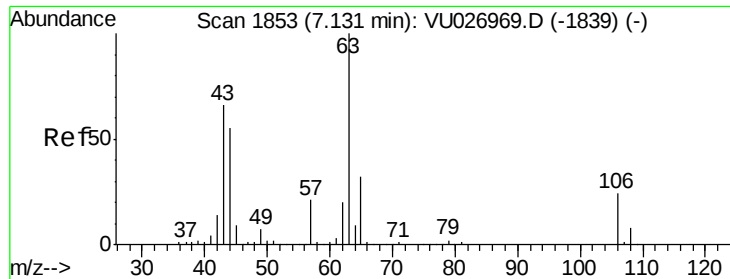
Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Time--> 8.00 8.05 8.10 8.15

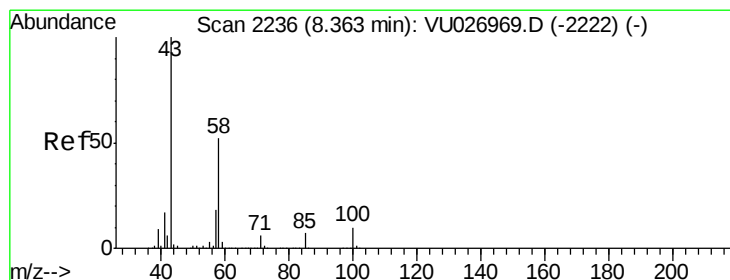
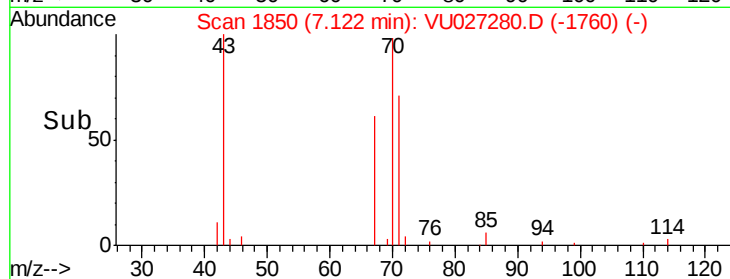
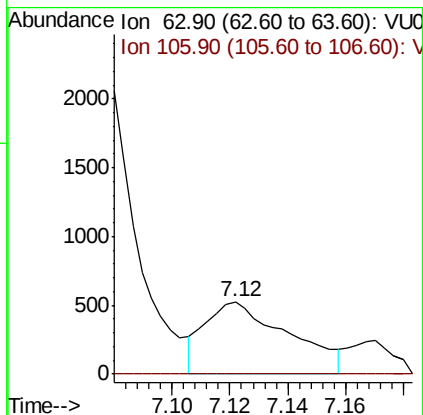
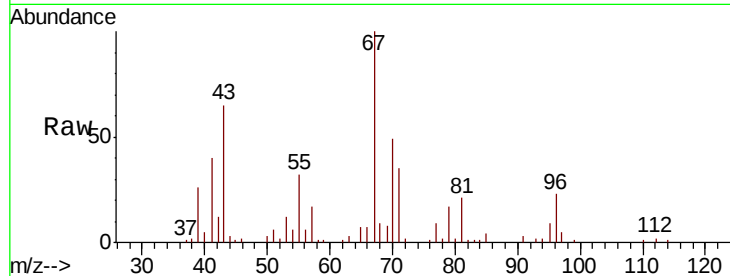




#58
 2-Chloroethyl Vinyl ether
 Concen: 5.348 ug/l
 RT: 7.12 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

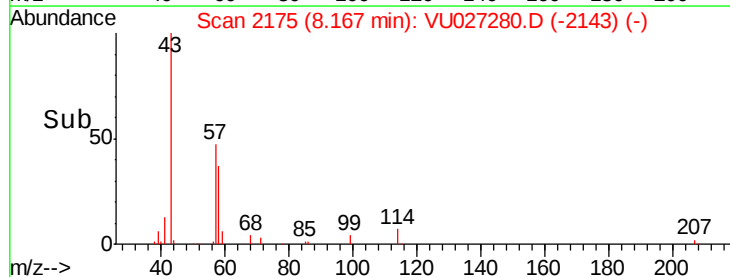
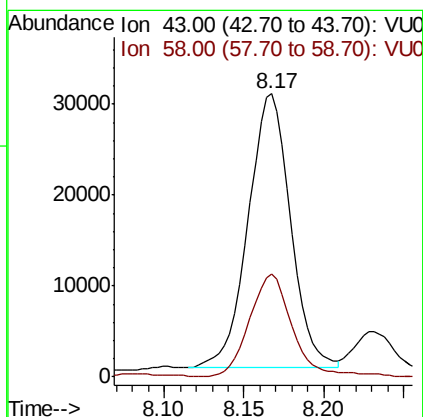
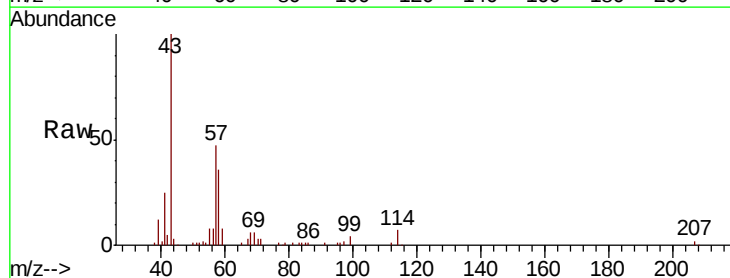
Instrument :
 MSVOA_U
 ClientSampleId :
 B-7(TW-1)

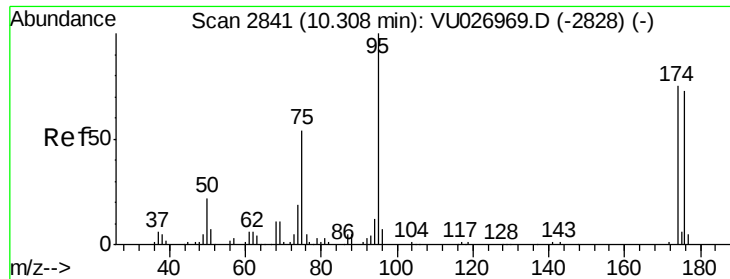
Tgt Ion: 63 Resp: 1048
 Ion Ratio Lower Upper
 63 100
 106 0.0 18.7 28.1#



#59
 2-Hexanone
 Concen: 18.114 ug/l
 RT: 8.17 min Scan# 2175
 Delta R.T. -0.20 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

Tgt Ion: 43 Resp: 54697
 Ion Ratio Lower Upper
 43 100
 58 38.2 26.1 78.2





#62

4-Bromofluorobenzene

Concen: 51.352 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

B-7(TW-1)

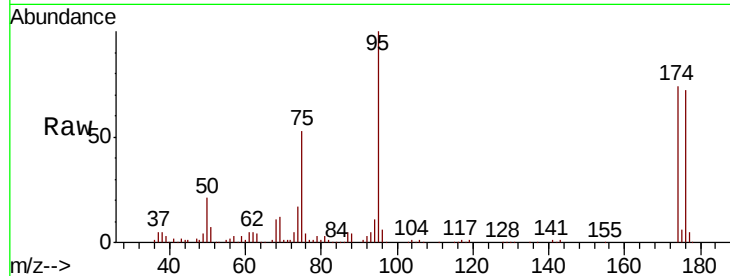
Tgt Ion: 95 Resp: 126706

Ion Ratio Lower Upper

95 100

174 76.5 0.0 150.2

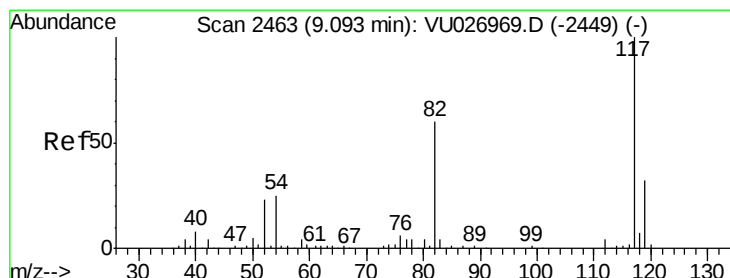
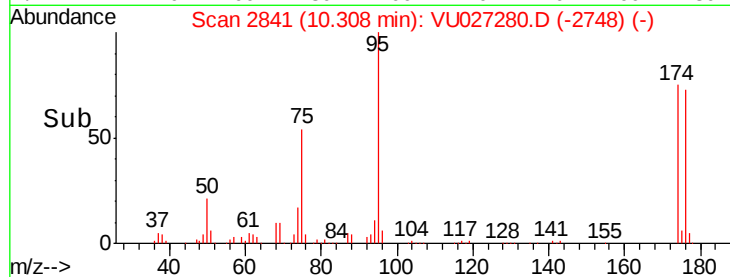
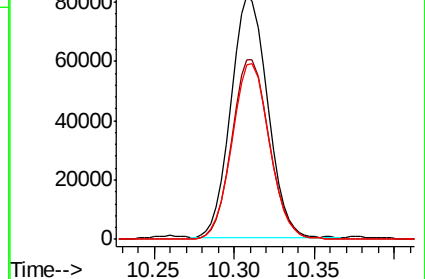
176 74.9 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

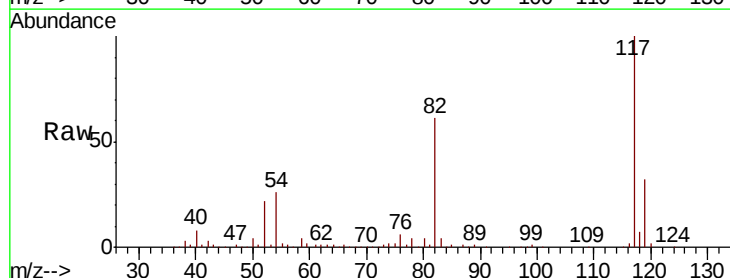
Tgt Ion: 117 Resp: 212501

Ion Ratio Lower Upper

117 100

82 61.1 48.0 72.0

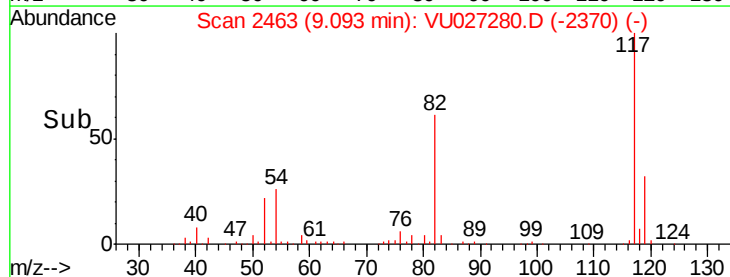
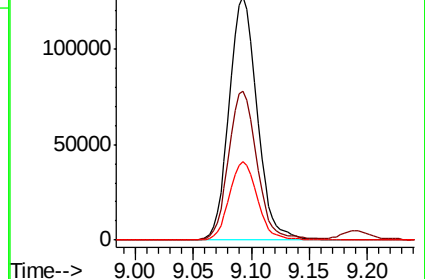
119 32.0 25.8 38.8

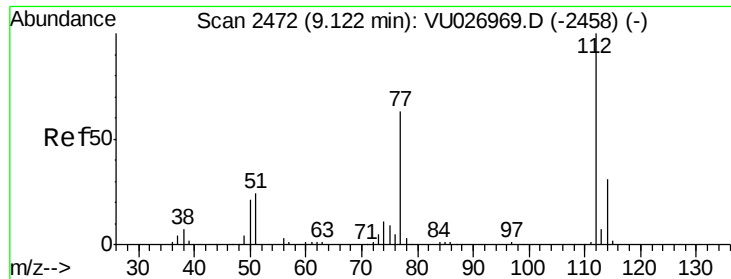


Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)

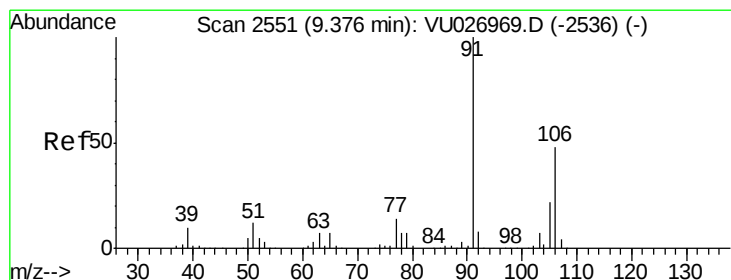
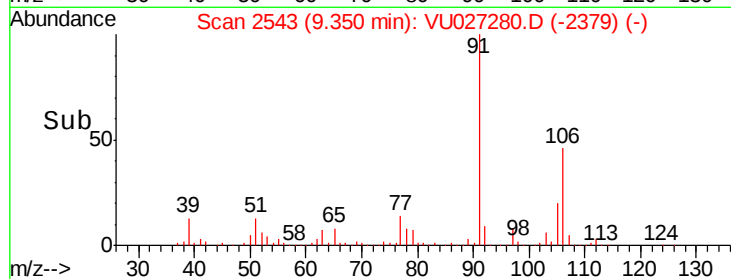
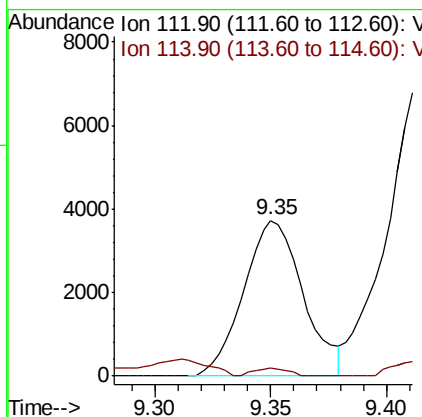
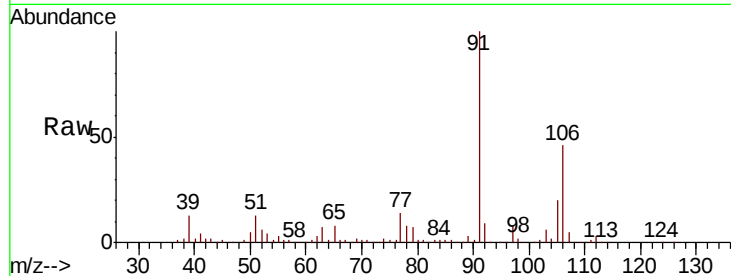




#65
Chlorobenzene
Concen: 1.185 ug/l
RT: 9.35 min Scan# 2543
Delta R.T. 0.23 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

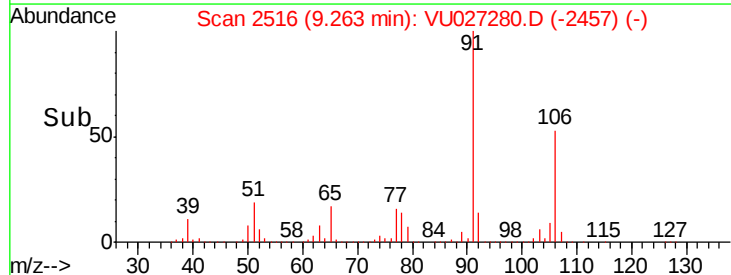
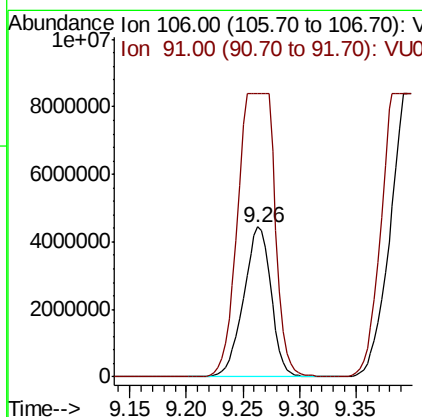
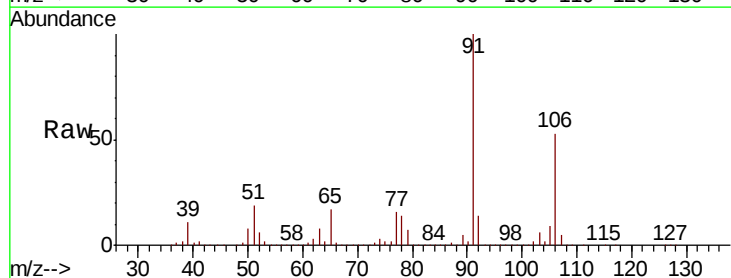
Instrument :
MSVOA_U
ClientSampleId :
B-7(TW-1)

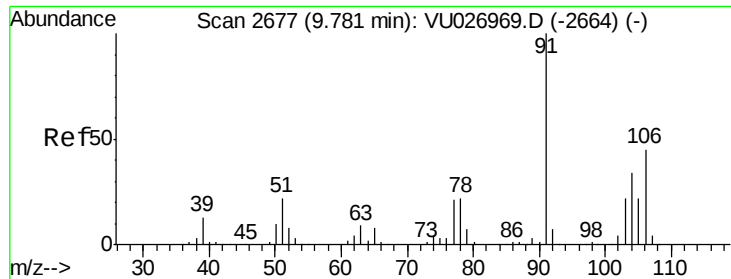
Tgt Ion:112 Resp: 6675
Ion Ratio Lower Upper
112 100
114 4.9 25.0 37.6#



#68
m/p-Xylenes
Concen: 1971.803 ug/l
RT: 9.26 min Scan# 2516
Delta R.T. -0.11 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

Tgt Ion:106 Resp: 7505818
Ion Ratio Lower Upper
106 100
91 0.0 166.5 249.7#

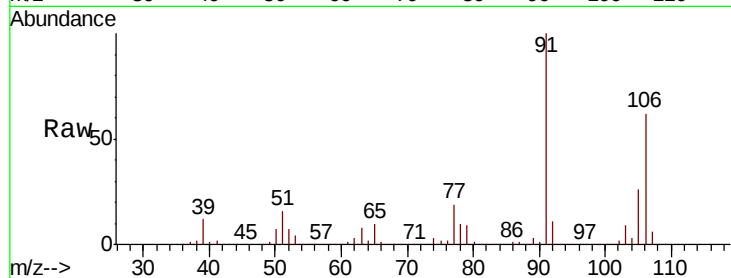




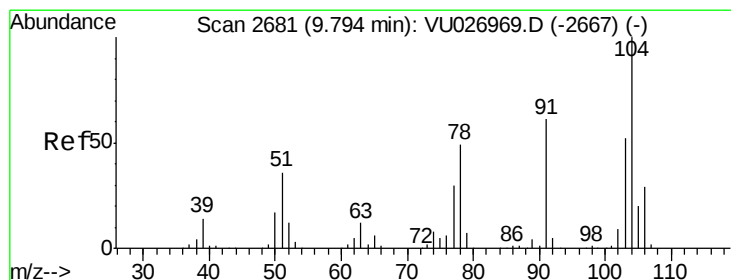
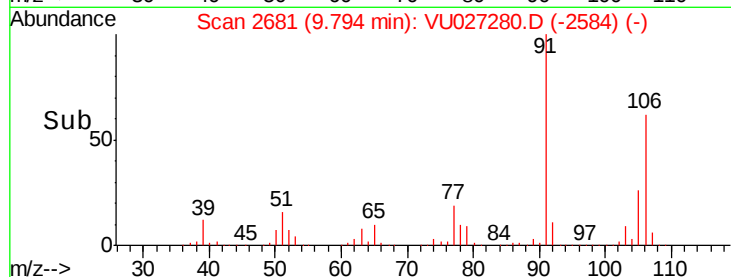
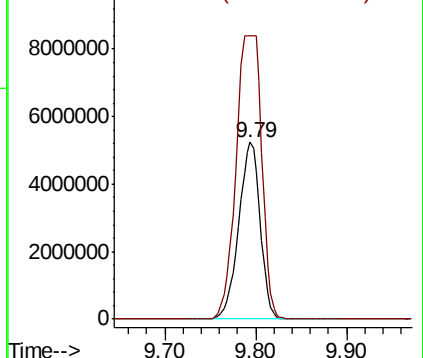
#69
o-Xylene
Concen: 2603.366 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.01 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

Instrument :
MSVOA_U
ClientSampleId :
B-7(TW-1)

Tgt Ion:106 Resp: 8546323
Ion Ratio Lower Upper
106 100
91 0.0 110.2 330.6#

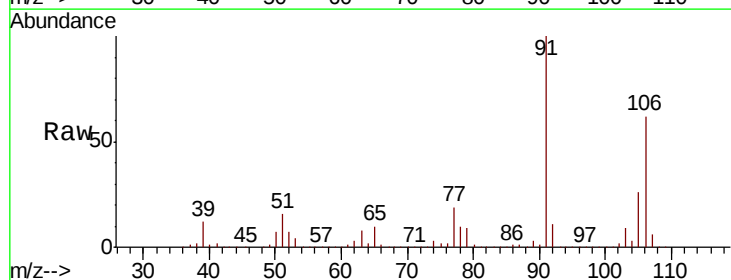


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

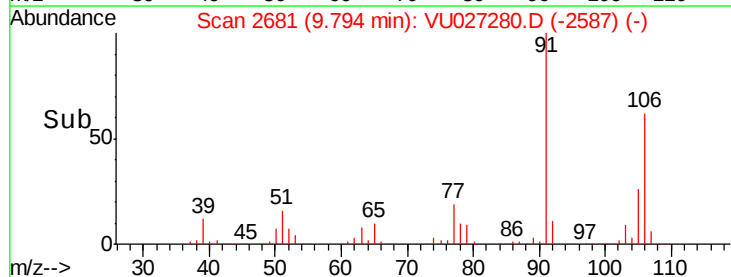
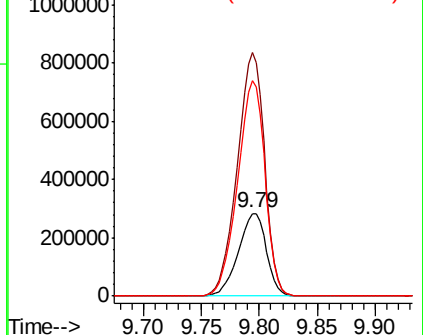


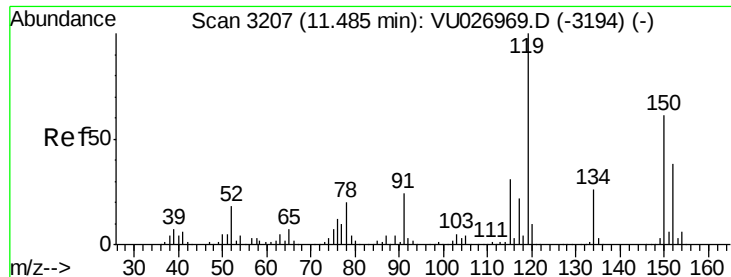
#70
Styrene
Concen: 76.676 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

Tgt Ion:104 Resp: 476131
Ion Ratio Lower Upper
104 100
78 286.2 43.0 64.4#
103 253.9 44.1 66.1#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

B-7(TW-1)

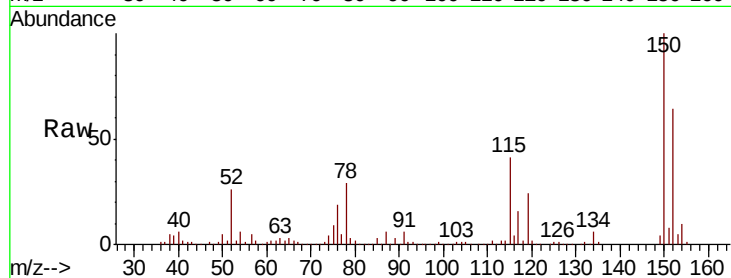
Tgt Ion:152 Resp: 121387

Ion Ratio Lower Upper

152 100

115 63.4 44.9 134.5

150 156.9 0.0 355.8

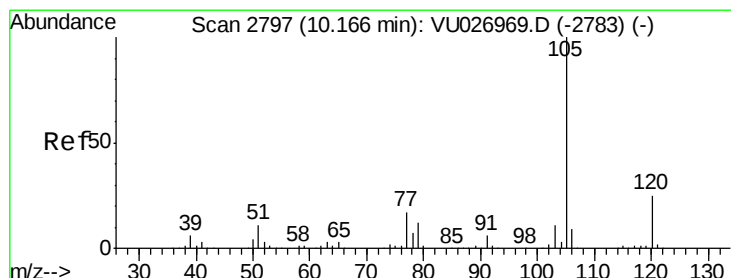
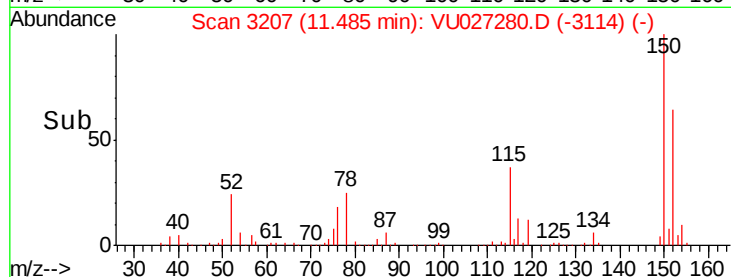
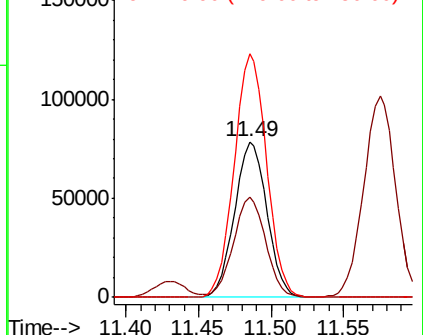


Abundance

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: 93.997 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027280.D

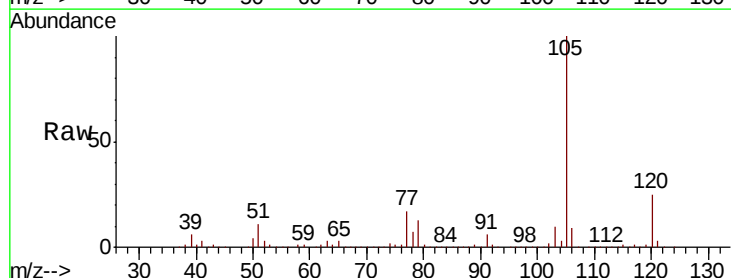
Acq: 28 Sep 2018 18:35

Tgt Ion:105 Resp: 867946

Ion Ratio Lower Upper

105 100

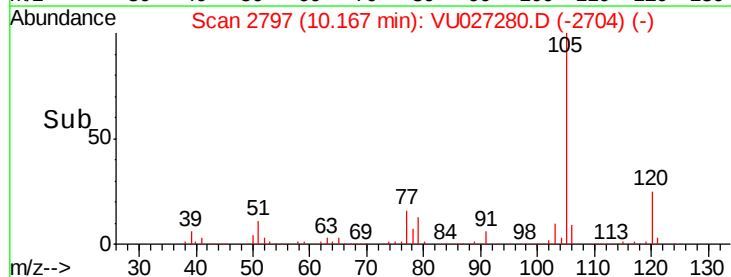
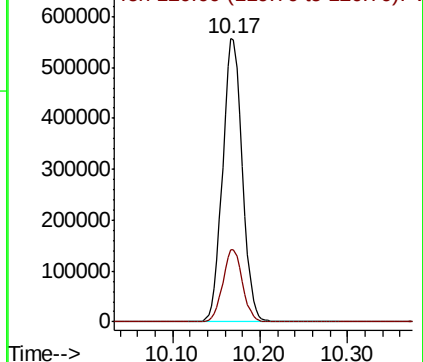
120 25.5 12.8 38.4

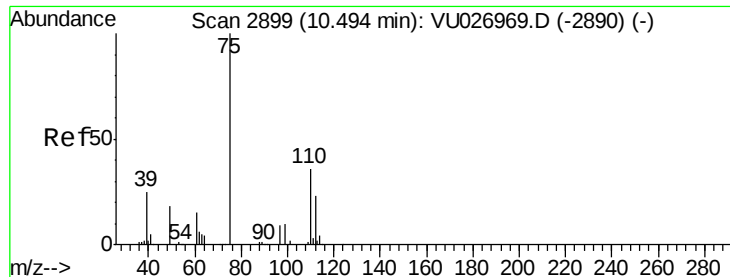


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 4.466 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.10 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

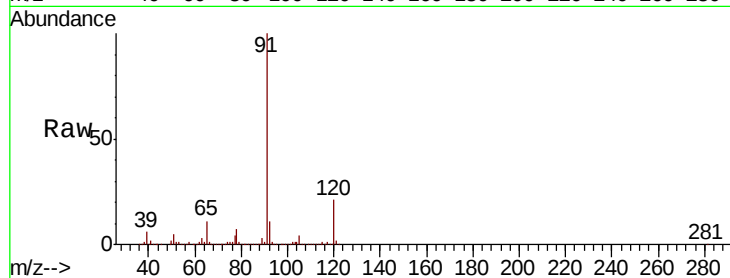
B-7(TW-1)

Tgt Ion: 75 Resp: 16471

Ion Ratio Lower Upper

75 100

77 686.5 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

150000

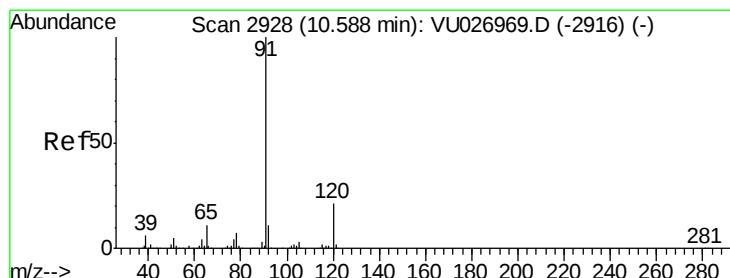
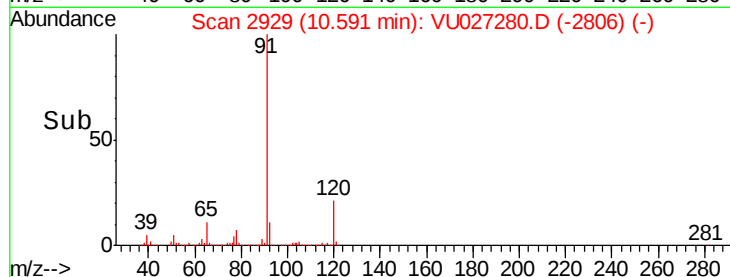
100000

50000

0

10.55 10.60 10.65

Time-->



#78

n-propylbenzene

Concen: 258.887 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU027280.D

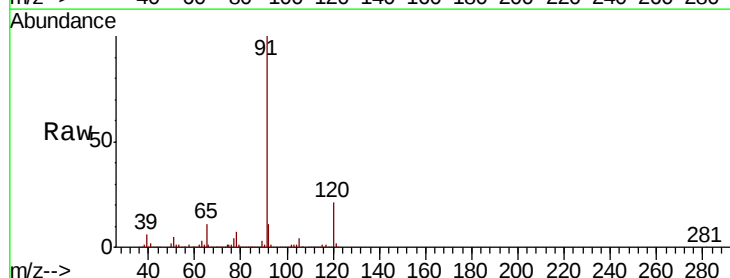
Acq: 28 Sep 2018 18:35

Tgt Ion: 91 Resp: 2828523

Ion Ratio Lower Upper

91 100

120 21.4 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

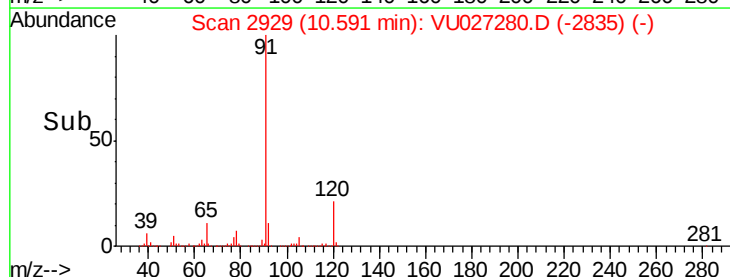
1000000

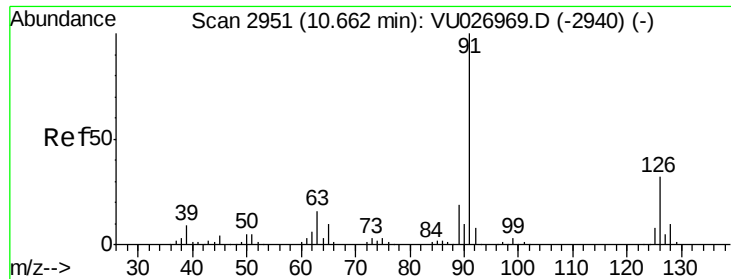
500000

0

10.50 10.55 10.60 10.65

Time-->

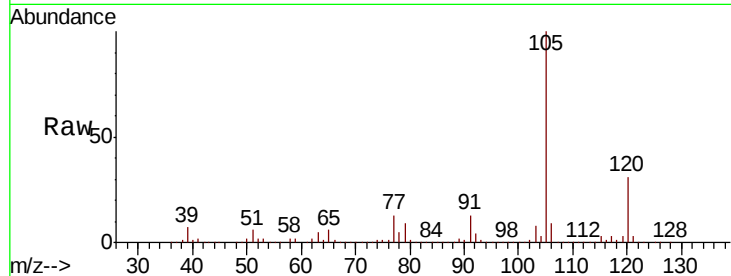




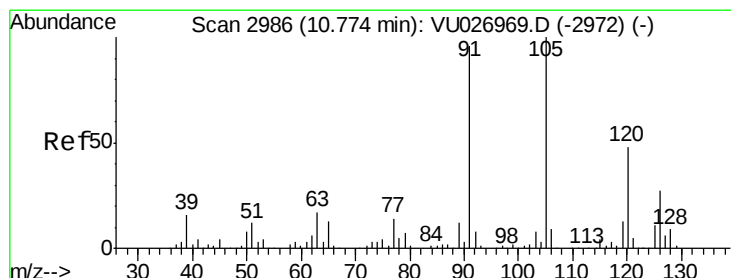
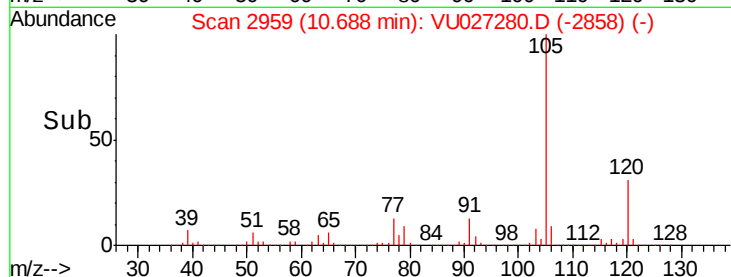
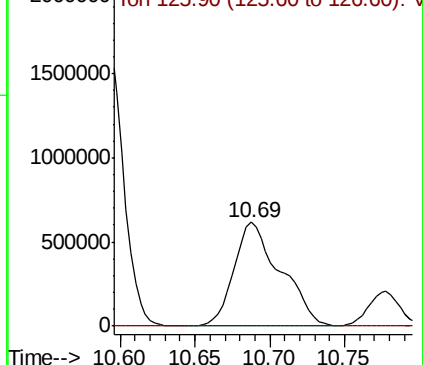
#79
 2-Chlorotoluene
 Concen: 194.370 ug/l
 RT: 10.69 min Scan# 2959
 Delta R.T. 0.03 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

Instrument :
 MSVOA_U
 ClientSampleId :
 B-7(TW-1)

Tgt Ion: 91 Resp: 1333906
 Ion Ratio Lower Upper
 91 100
 126 0.1 15.8 47.3#

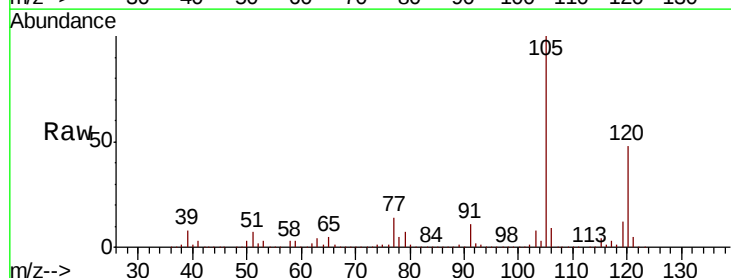


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)
 Ion 125.90 (125.60 to 126.60): VU026969.D (-2940) (-)

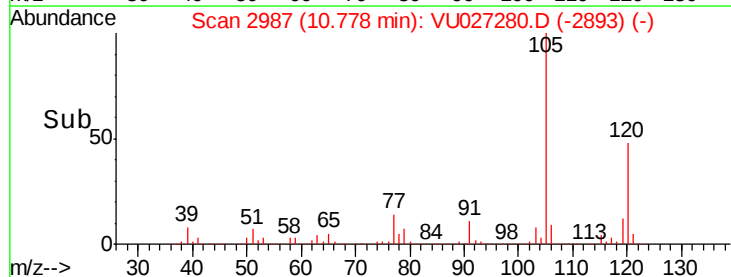
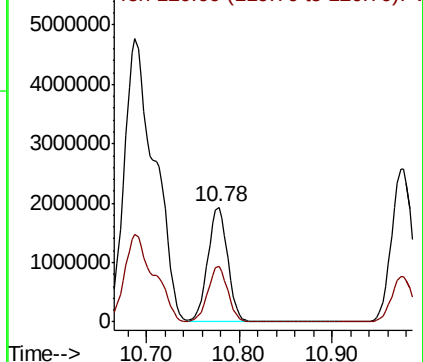


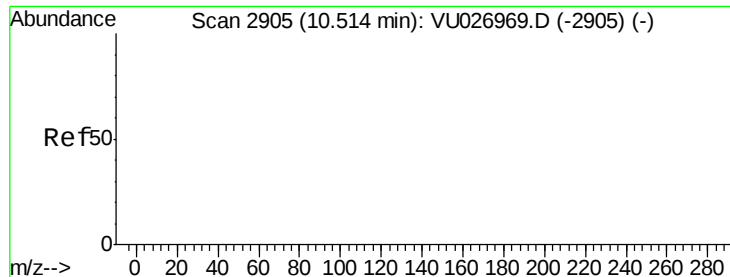
#80
 1,3,5-Trimethylbenzene
 Concen: 376.427 ug/l
 RT: 10.78 min Scan# 2987
 Delta R.T. 0.00 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

Tgt Ion: 105 Resp: 2869223
 Ion Ratio Lower Upper
 105 100
 120 48.2 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) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 14.293 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.08 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

B-7(TW-1)

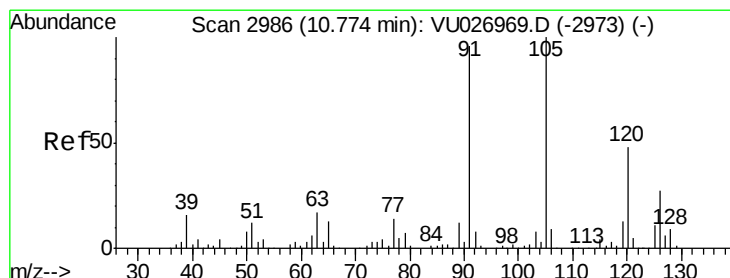
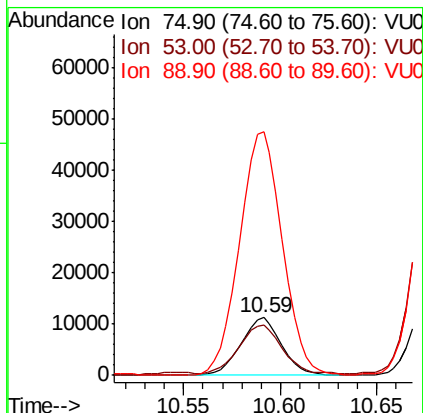
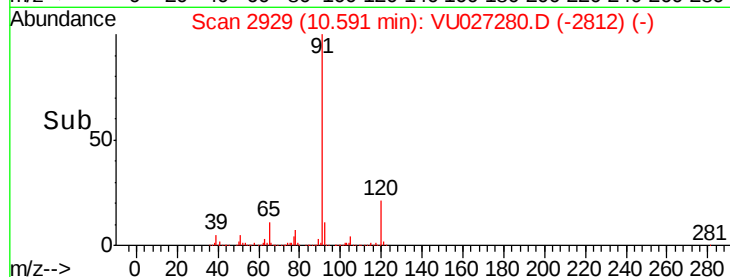
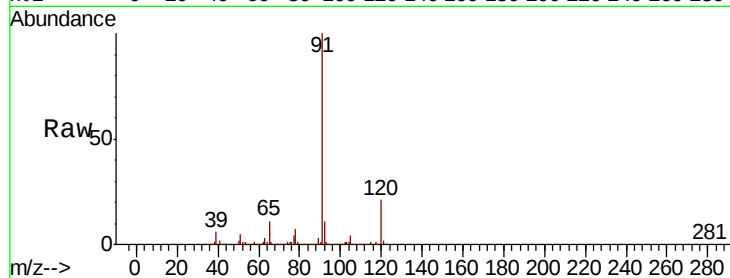
Tgt Ion: 75 Resp: 16471

Ion Ratio Lower Upper

75 100

53 86.4 0.0 0.0#

89 445.0 0.0 0.0#



#82

4-Chlorotoluene

Concen: 39.417 ug/l

RT: 10.78 min Scan# 2987

Delta R.T. 0.00 min

Lab File: VU027280.D

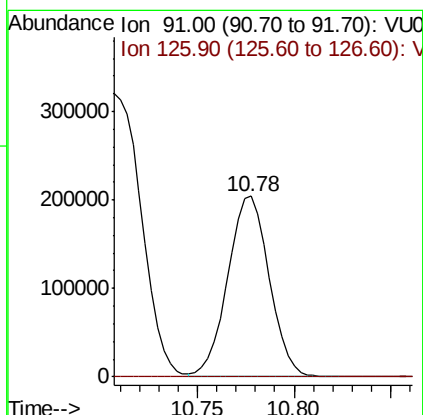
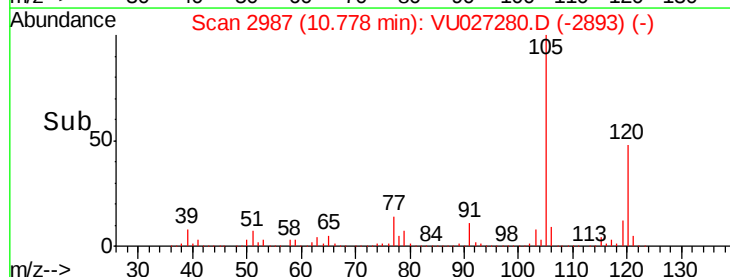
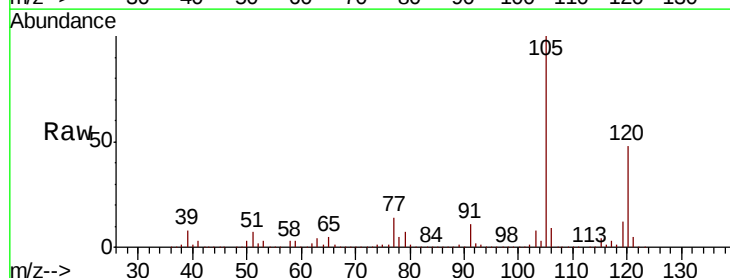
Acq: 28 Sep 2018 18:35

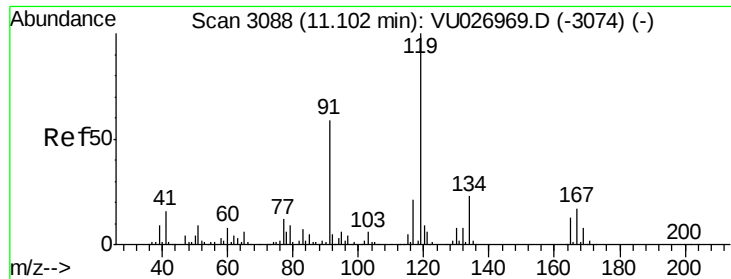
Tgt Ion: 91 Resp: 303315

Ion Ratio Lower Upper

91 100

126 0.0 14.1 42.2#

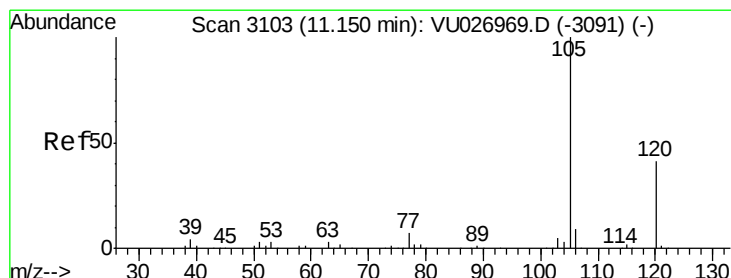
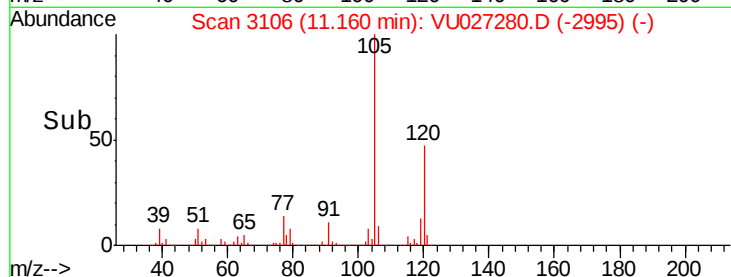
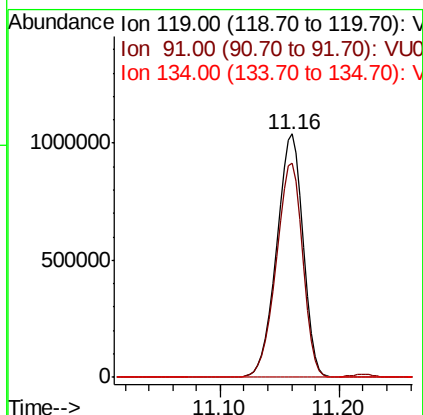
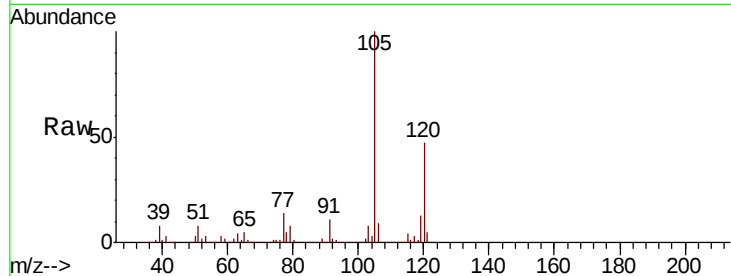




#83
 tert-Butylbenzene
 Concen: 211.526 ug/l
 RT: 11.16 min Scan# 3106
 Delta R.T. 0.06 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

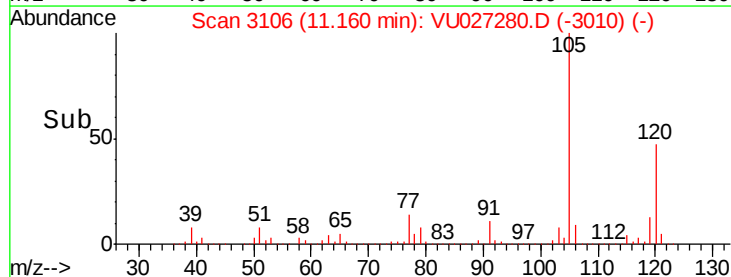
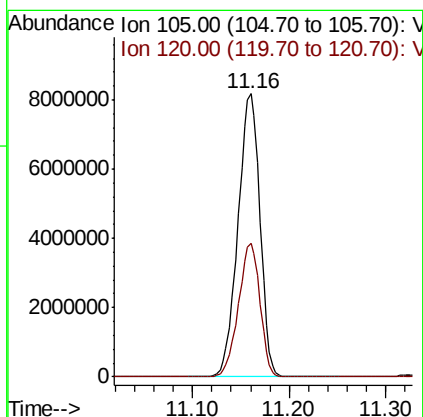
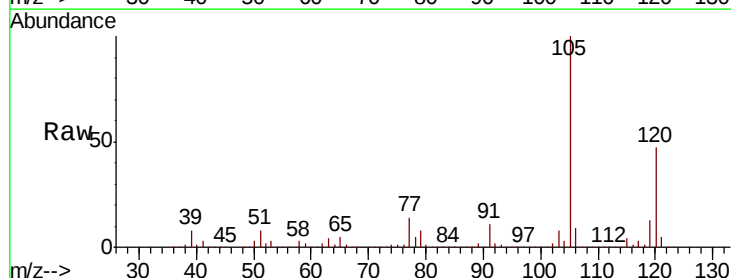
Instrument :
 MSVOA_U
 ClientSampleId :
 B-7(TW-1)

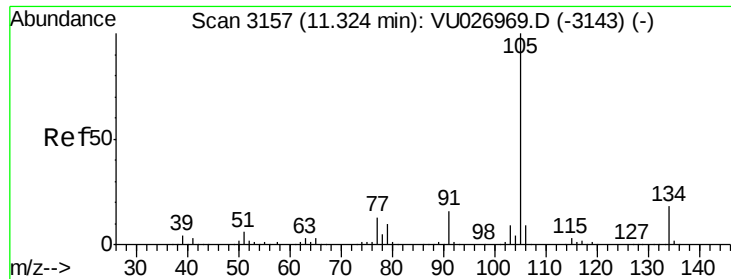
Tgt Ion:119 Resp: 1594024
 Ion Ratio Lower Upper
 119 100
 91 88.6 29.8 89.4
 134 0.0 11.5 34.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 1656.328 ug/l
 RT: 11.16 min Scan# 3106
 Delta R.T. 0.01 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

Tgt Ion:105 Resp:12848294
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.4 67.2

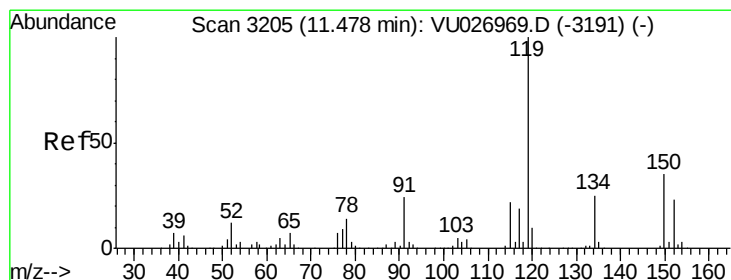
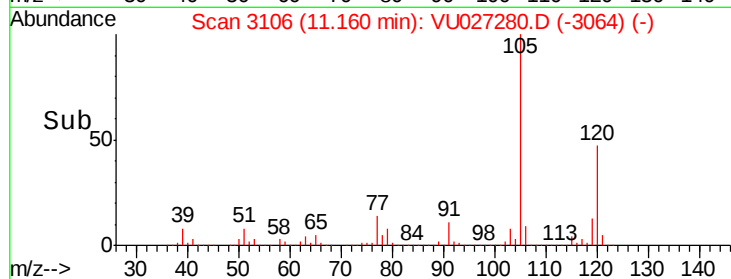
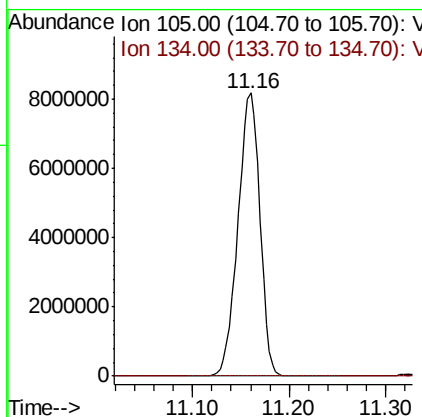
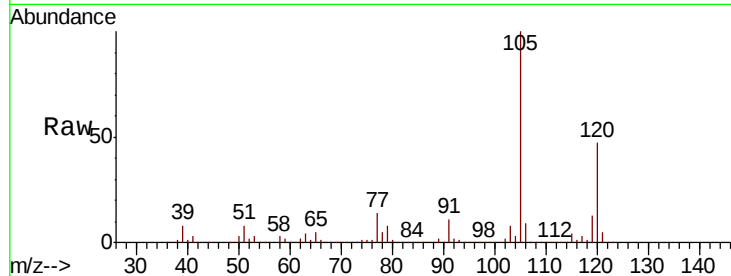




#85
 sec-Butylbenzene
 Concen: 1396.711 ug/l
 RT: 11.16 min Scan# 3106
 Delta R.T. -0.16 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

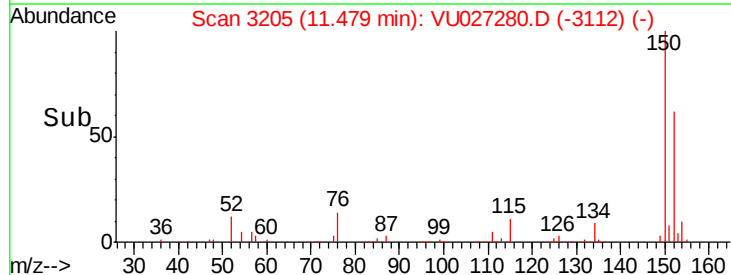
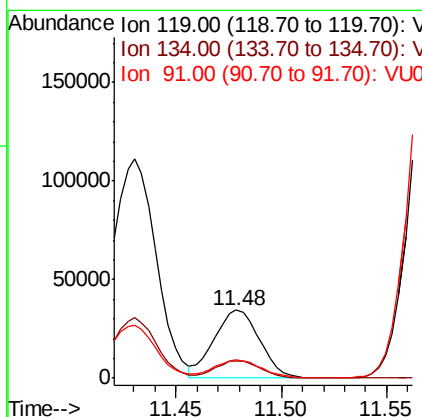
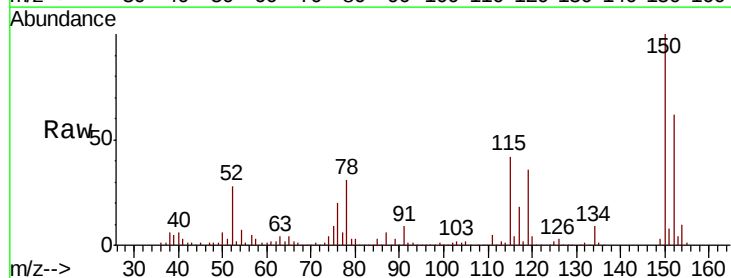
Instrument :
 MSVOA_U
 ClientSampleId :
 B-7(TW-1)

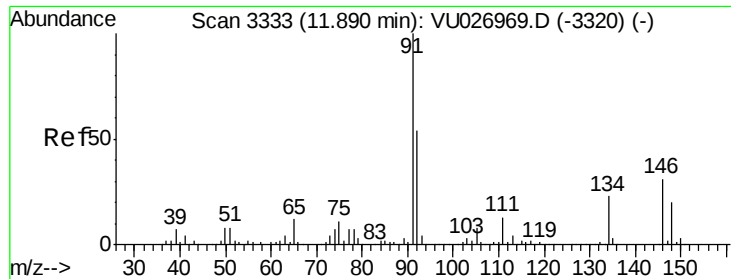
Tgt Ion:105 Resp:12848294
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.2#



#86
 p-Isopropyltoluene
 Concen: 6.829 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027280.D
 Acq: 28 Sep 2018 18:35

Tgt Ion:119 Resp: 51906
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.8 38.3
 91 26.5 12.3 36.8

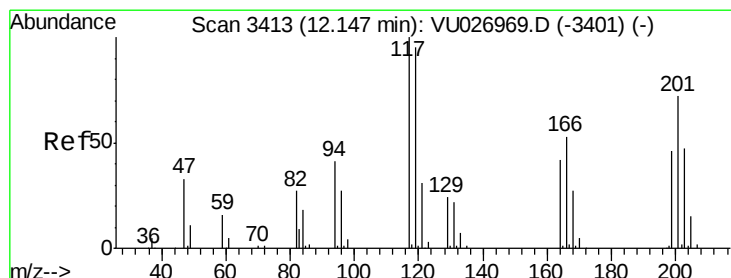
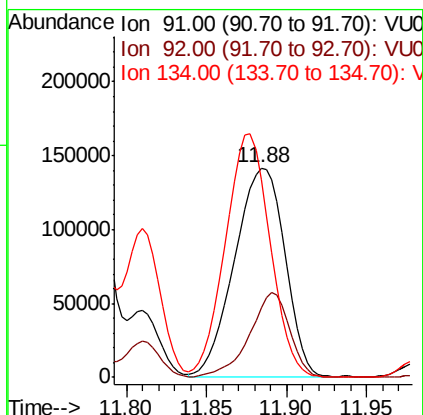
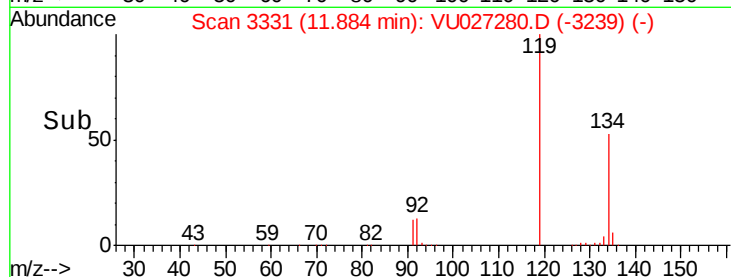
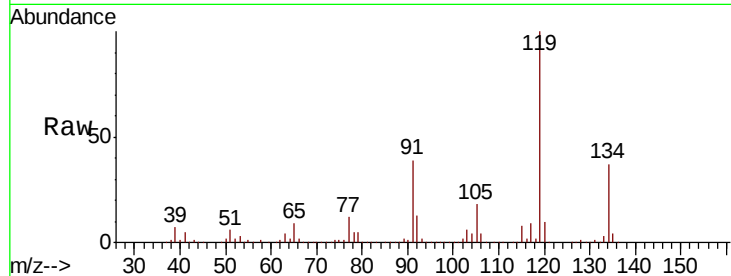




#89
n-Butylbenzene
Concen: 36.854 ug/l
RT: 11.88 min Scan# 3331
Delta R.T. -0.01 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

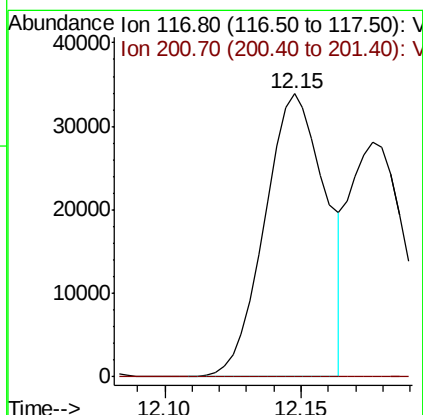
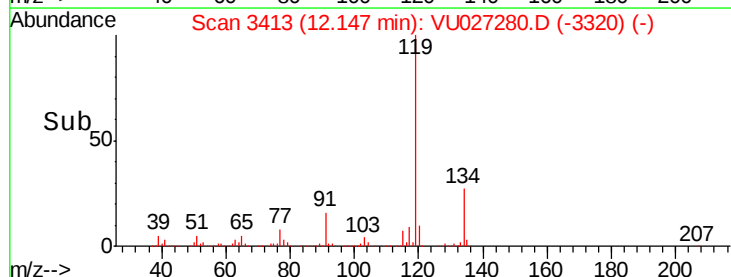
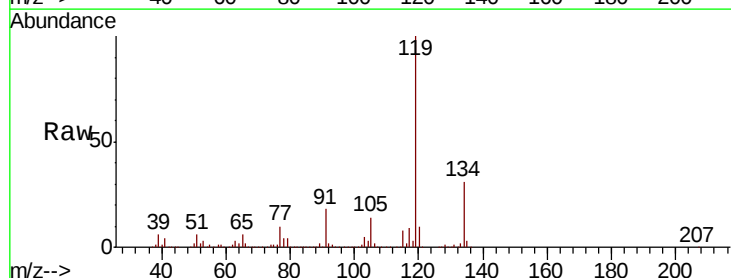
Instrument :
MSVOA_U
ClientSampleId :
B-7(TW-1)

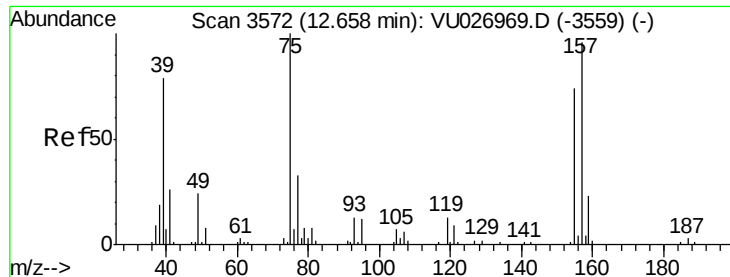
Tgt Ion: 91 Resp: 302846
Ion Ratio Lower Upper
91 100
92 32.9 27.1 81.2
134 104.0 11.7 35.0#



#90
Hexachloroethane
Concen: 31.546 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027280.D
Acq: 28 Sep 2018 18:35

Tgt Ion: 117 Resp: 52770
Ion Ratio Lower Upper
117 100
201 0.0 36.8 110.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.123 ug/l

RT: 12.65 min Scan# 3569

Delta R.T. -0.01 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

B-7(TW-1)

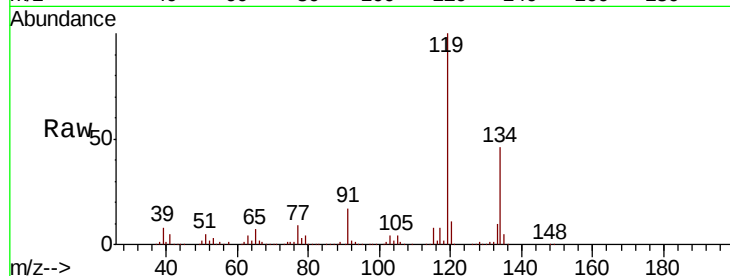
Tgt Ion: 75 Resp: 3571

Ion Ratio Lower Upper

75 100

155 0.0 36.6 109.8#

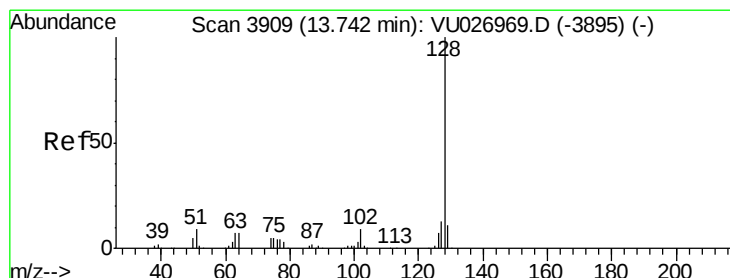
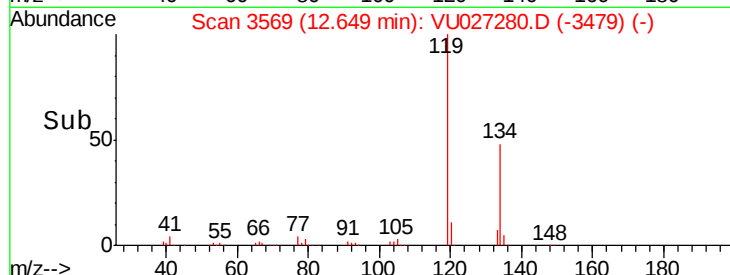
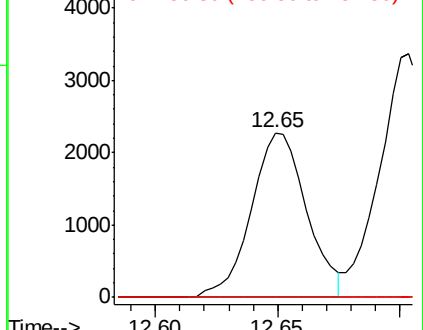
157 0.0 47.4 142.2#



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: 605.312 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027280.D

Acq: 28 Sep 2018 18:35

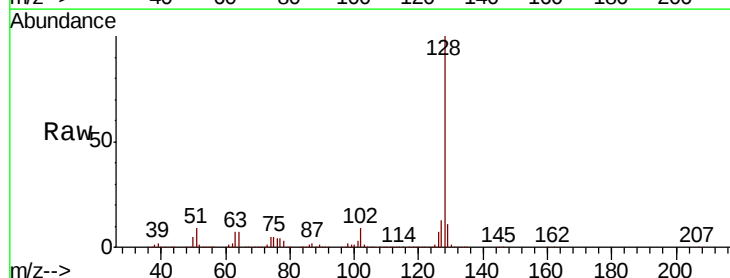
Tgt Ion: 128 Resp: 6278288

Ion Ratio Lower Upper

128 100

127 13.2 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) (-)

