

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028589.D
 Acq On : 11 Dec 2018 07:17
 Operator : MD/SY
 Sample : J6305-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01

Quant Time: Dec 11 07:38:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	83644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	153512	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	139686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	62434	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	70026	54.86	ug/l	0.00
Spiked Amount			Recovery	=	109.72%	
35) Dibromofluoromethane	4.88	113	50855	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
50) Toluene-d8	7.57	98	204110	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
62) 4-Bromofluorobenzene	10.30	95	69413	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	297	0.265	ug/l #	43
3) Chloromethane	1.33	50	1878	0.911	ug/l	97
7) Trichlorofluoromethane	1.88	101	3576	2.285	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.08	101	14056	15.017	ug/l #	20
11) Tert butyl alcohol	2.83	59	16750	58.898	ug/l	97
13) Acrolein	2.19	56	1025	4.521	ug/l #	1
14) Allyl chloride	2.55	41	18436	8.368	ug/l #	44
15) Acrylonitrile	2.94	53	2165	2.742	ug/l	95
16) Acetone	2.32	43	162920	195.594	ug/l	98
17) Carbon Disulfide	2.47	76	836	0.249	ug/l #	75
18) Methyl Acetate	2.71	43	6473	2.998	ug/l #	56
19) Methyl tert-butyl Ether	3.01	73	2083	0.590	ug/l #	1
25) 2-Butanone	4.26	43	132553	116.447	ug/l	97
29) Tetrahydrofuran	4.64	42	38155	52.191	ug/l	97
30) Chloroform	4.68	83	450	0.230	ug/l #	16
31) Cyclohexane	4.99	56	30015	12.825	ug/l #	94
36) 1,1-Dichloropropene	4.98	75	7826	4.659	ug/l #	49
37) Ethyl Acetate	4.26	43	132553	61.040	ug/l #	70
38) Carbon Tetrachloride	4.98	117	9007	6.652	ug/l #	15
39) Methylcyclohexane	6.41	83	18883	9.214	ug/l	96
40) Benzene	5.39	78	220873	44.643	ug/l	98
41) Methacrylonitrile	4.56	41	4734	3.981	ug/l #	73
42) 1,2-Dichloroethane	5.39	62	2253	1.301	ug/l #	76
43) Isopropyl Acetate	5.47	43	1155	0.336	ug/l #	62
48) Methyl methacrylate	6.64	41	2876	1.684	ug/l #	74
49) 1,4-Dioxane	6.61	88	2922	108.340	ug/l #	72
51) 4-Methyl-2-Pentanone	7.46	43	61054	28.183	ug/l	97
52) Toluene	7.64	92	710893	244.146	ug/l	100
53) t-1,3-Dichloropropene	7.64	75	8180	4.276	ug/l #	1
55) 1,1,2-Trichloroethane	8.05	97	1858	1.614	ug/l #	20
56) Ethyl methacrylate	8.04	69	1093	0.555	ug/l	92
59) 2-Hexanone	8.37	43	11076	6.451	ug/l	97
65) Chlorobenzene	9.12	112	2089	0.702	ug/l #	76
67) Ethyl Benzene	9.25	91	454268	83.018	ug/l	100

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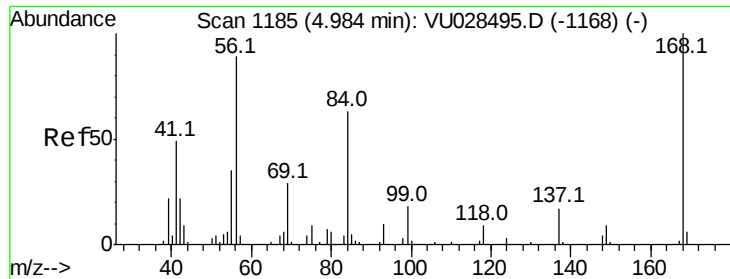
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

68) m/p-Xylenes	9.37	106	708150	355.662	uq/l	98
69) o-Xylene	9.78	106	338657	175.023	uq/l	98
70) Styrene	9.79	104	198406	61.960	uq/l #	80
73) Isopropylbenzene	10.17	105	43144	9.006	uq/l	98
74) N-amyl acetate	10.02	43	582	0.211	uq/l #	1
76) 1,2,3-Trichloropropane	10.30	75	37288	23.389	uq/l #	34
78) n-propylbenzene	10.58	91	118887	19.971	uq/l	98
79) 2-Chlorotoluene	10.68	91	88081	25.687	uq/l #	43
80) 1,3,5-Trimethylbenzene	10.77	105	216488	54.591	uq/l	99
81) trans-1,4-Dichloro-2-buten	10.68	75	6225	10.023	uq/l #	100
82) 4-Chlorotoluene	10.77	91	24164	5.947	uq/l #	47
83) tert-Butylbenzene	11.15	119	79550	20.812	uq/l #	57
84) 1,2,4-Trimethylbenzene	11.15	105	695331	170.135	uq/l	100
85) sec-Butylbenzene	11.15	105	695331	141.601	uq/l #	59
86) p-Isopropyltoluene	11.43	119	9939	2.383	uq/l	95
89) n-Butylbenzene	11.88	91	17916	4.244	uq/l #	24
90) Hexachloroethane	12.14	117	2926	4.641	uq/l #	11
91) 1,2-Dichlorobenzene	11.88	146	715	0.338	uq/l #	82
92) 1,2-Dibromo-3-Chloropropan	12.65	75	181	0.454	uq/l #	6
93) 1,2,4-Trichlorobenzene	13.50	180	823	1.400	uq/l #	84
95) Naphthalene	13.74	128	192767	37.959	uq/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	801	0.698	uq/l #	80

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

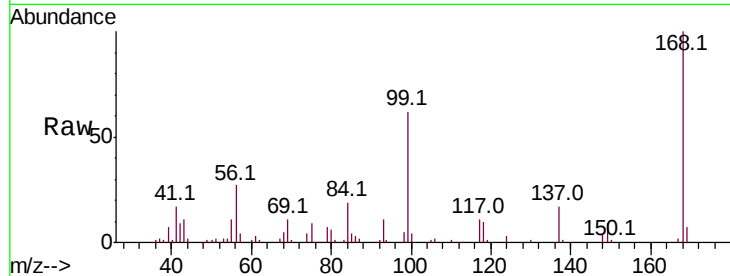
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

Tot Ion:168 Resp: 83644

Ion Ratio Lower Upper

168 100

99 61.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

40000

30000

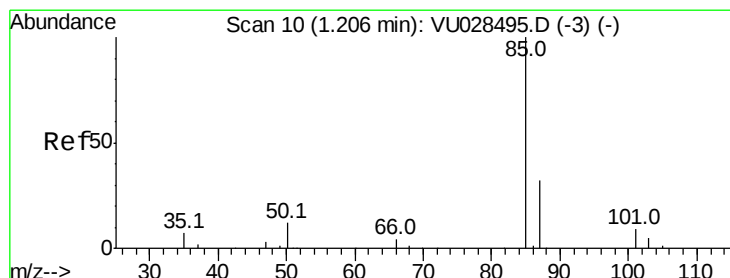
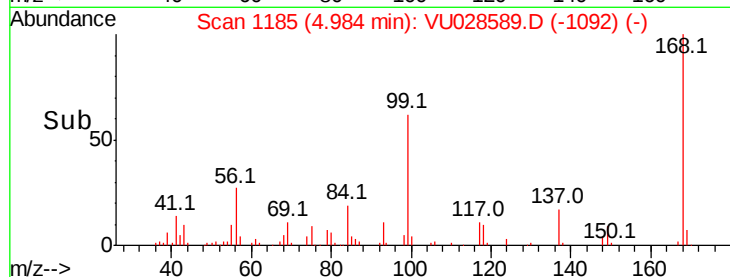
20000

10000

0

Time-->

4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 0.265 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU028589.D

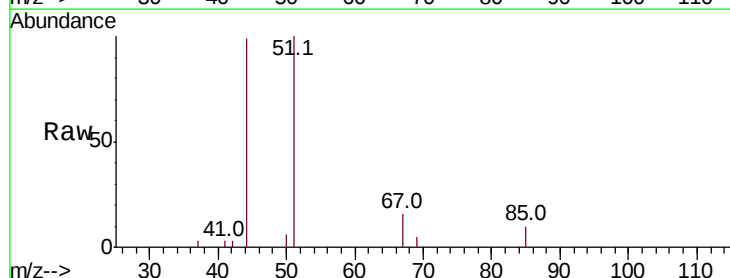
Acq: 11 Dec 2018 07:17

Tgt Ion: 85 Resp: 297

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

400

300

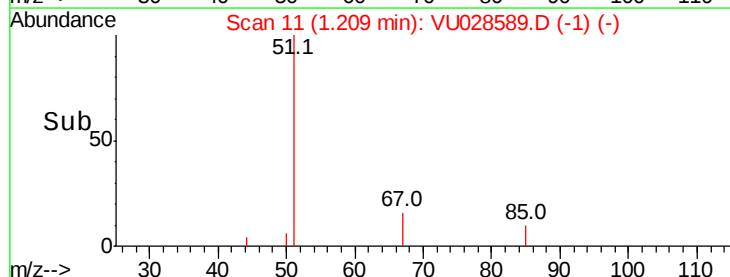
200

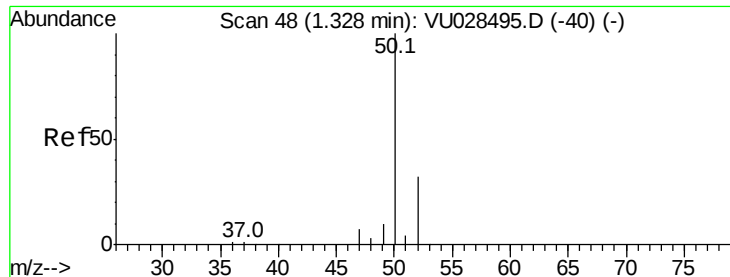
100

0

Time-->

1.18 1.20 1.22





#3

Chloromethane

Concen: 0.911 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

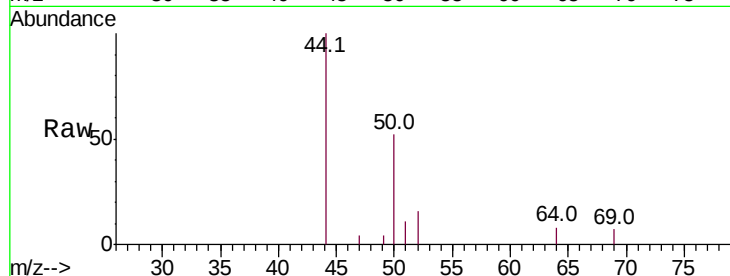
P001-SW001-01

Tot Ion: 50 Resp: 1878

Ion Ratio Lower Upper

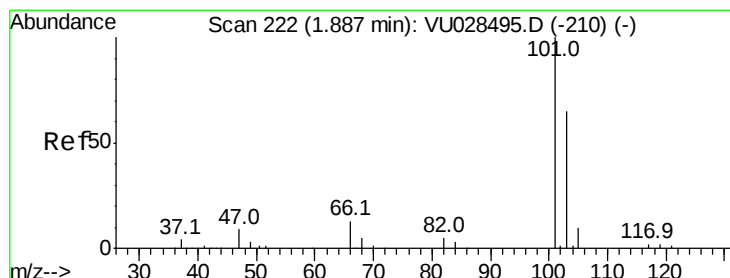
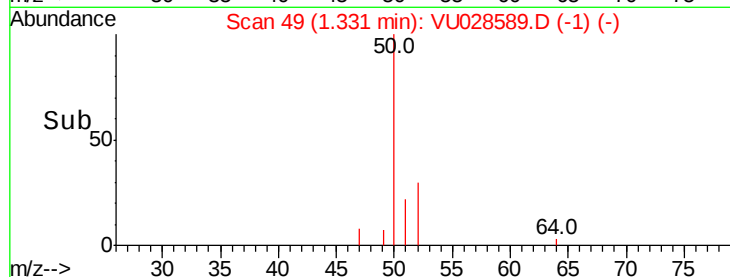
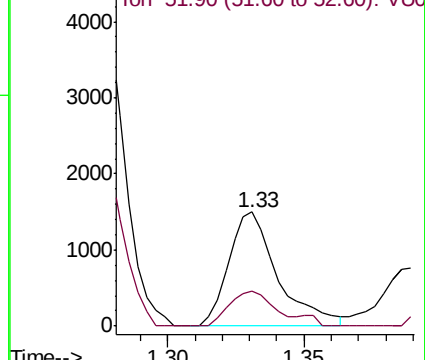
50 100

52 30.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)



#7

Trichlorofluoromethane

Concen: 2.285 ug/l

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU028589.D

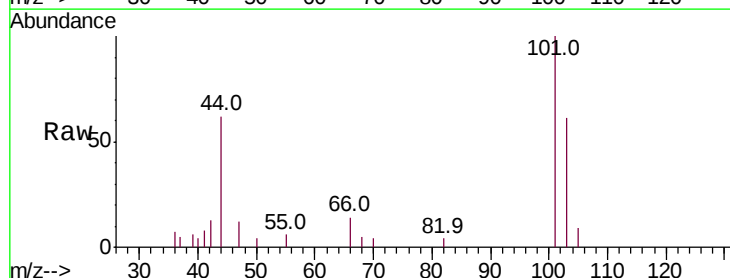
Acq: 11 Dec 2018 07:17

Tgt Ion:101 Resp: 3576

Ion Ratio Lower Upper

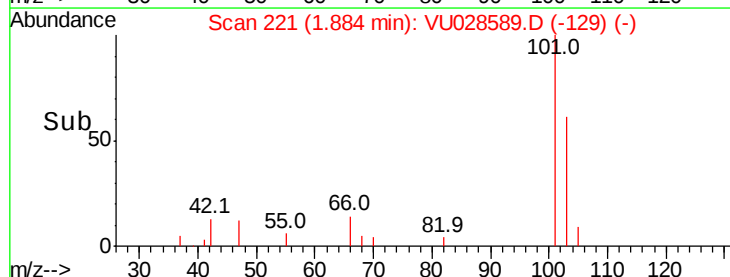
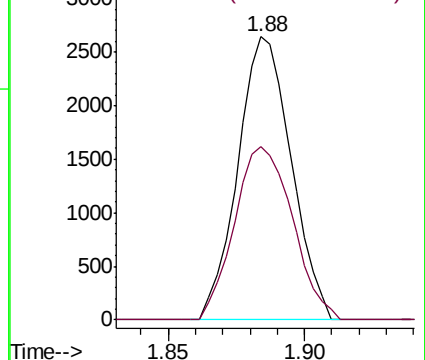
101 100

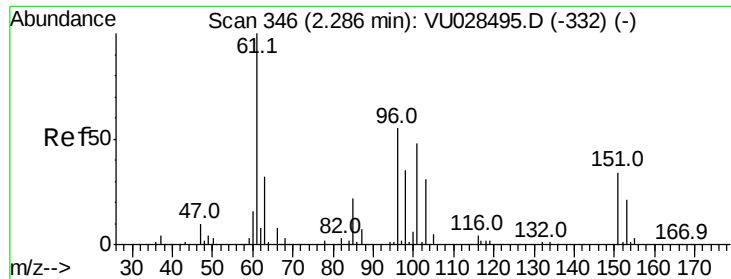
103 61.4 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): VU028495.D (-210) (-)

Ion 102.80 (102.50 to 103.50): VU028495.D (-210) (-)





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.017 ug/l

RT: 2.08 min Scan# 283

Delta R.T. -0.20 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01

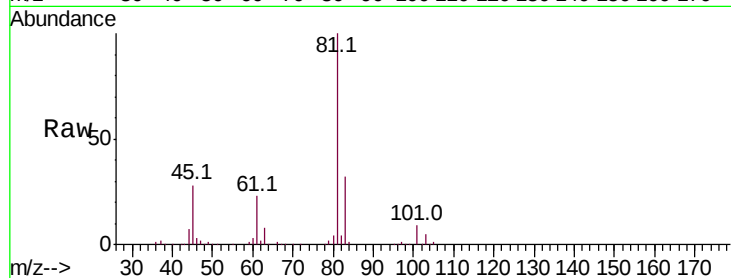
Tot Ion:101 Resp: 14056

Ion Ratio Lower Upper

101 100

85 0.0 36.4 54.6#

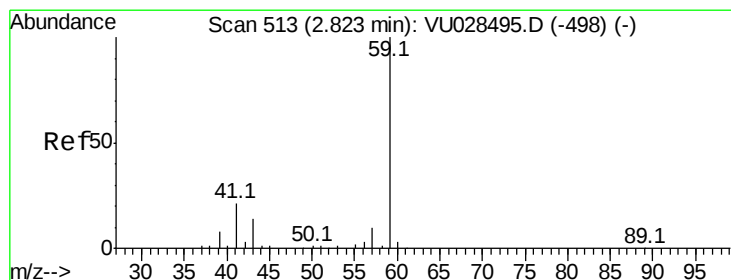
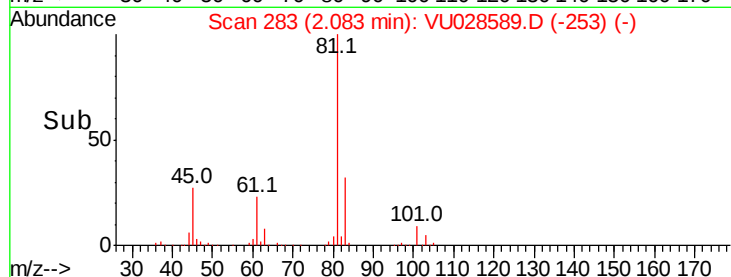
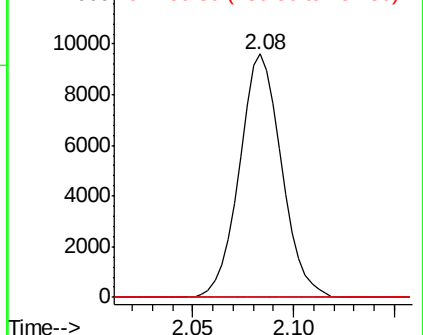
151 0.0 58.2 87.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 58.898 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU028589.D

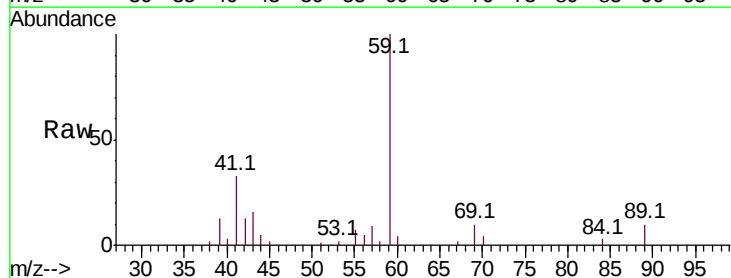
Acq: 11 Dec 2018 07:17

Tgt Ion: 59 Resp: 16750

Ion Ratio Lower Upper

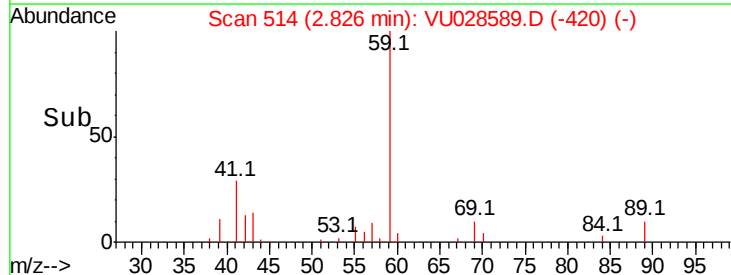
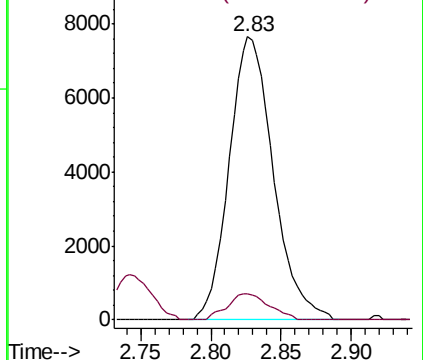
59 100

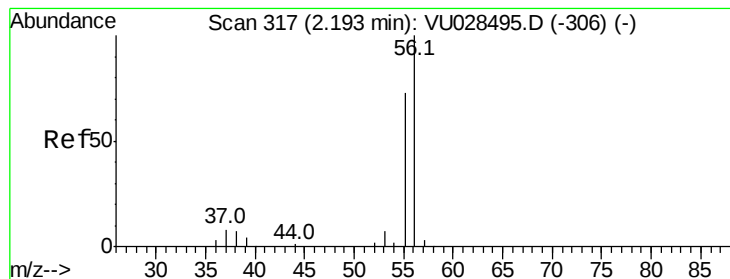
57 8.8 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 4.521 ug/l

RT: 2.19 min Scan# 316

Delta R.T. -0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

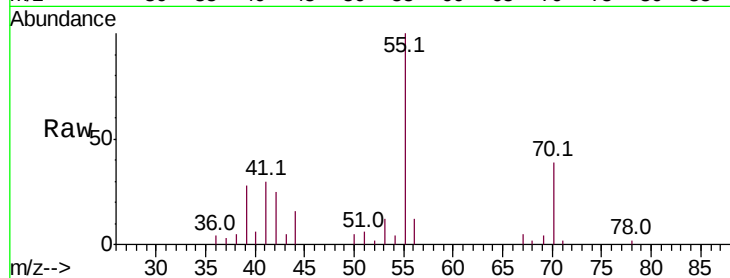
P001-SW001-01

Tot Ion: 56 Resp: 1025

Ion Ratio Lower Upper

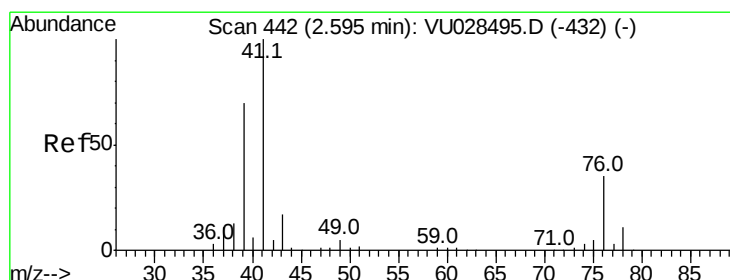
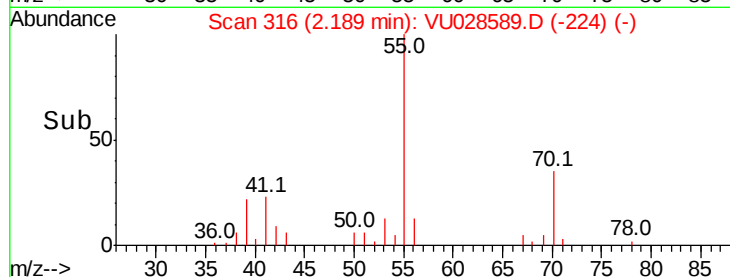
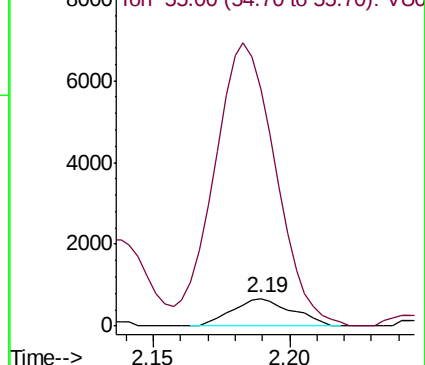
56 100

55 1054.4 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 8.368 ug/l

RT: 2.55 min Scan# 429

Delta R.T. -0.04 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

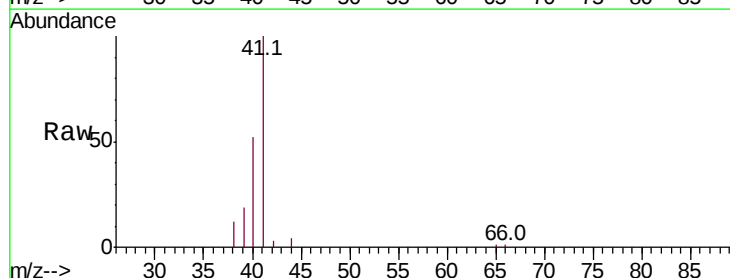
Tgt Ion: 41 Resp: 18436

Ion Ratio Lower Upper

41 100

39 20.5 50.8 76.2#

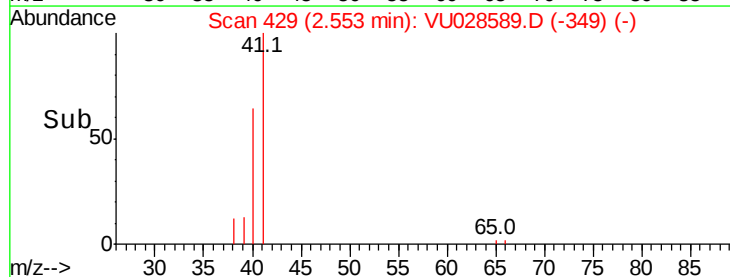
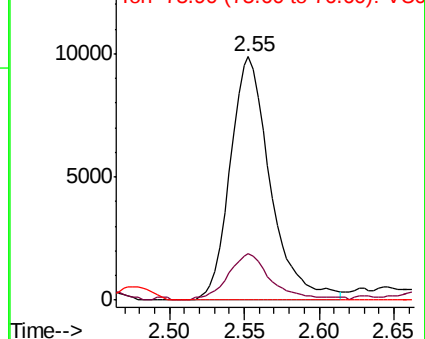
76 0.0 24.8 37.2#

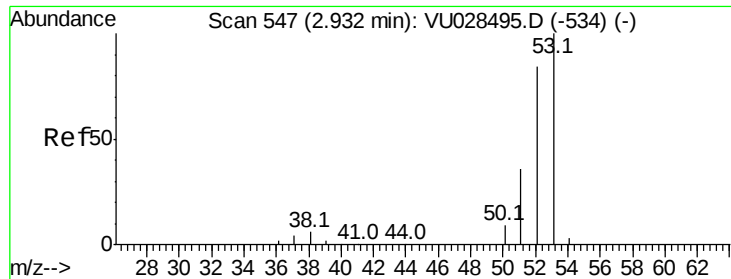


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 2.742 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.01 min

Lab File: VU028589.D

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Instrument :

MSVOA_U

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P001-SW001-01

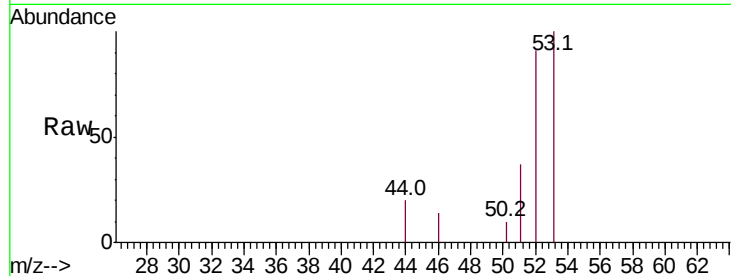
Tot Ion: 53 Resp: 2165

Ion Ratio Lower Upper

53 100

52 86.9 66.1 99.1

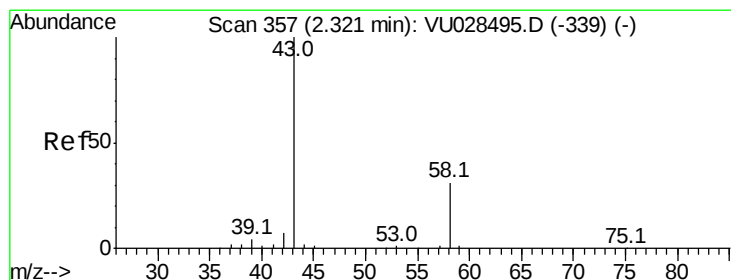
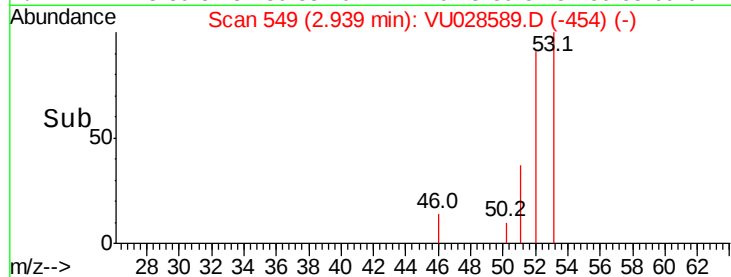
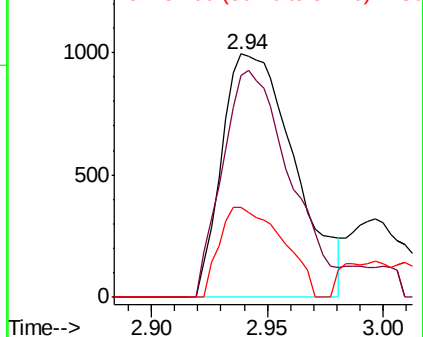
51 32.1 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 195.594 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028589.D

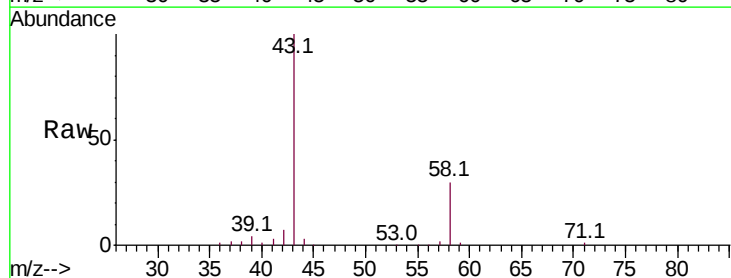
Acq: 11 Dec 2018 07:17

Tgt Ion: 43 Resp: 162920

Ion Ratio Lower Upper

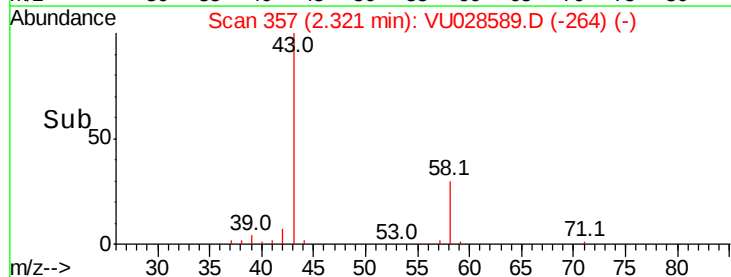
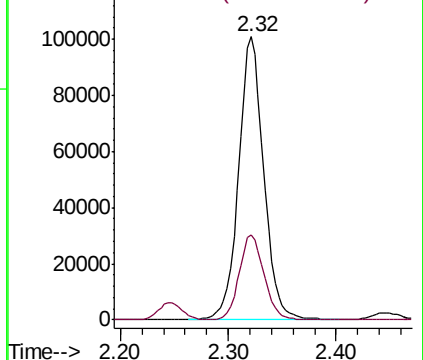
43 100

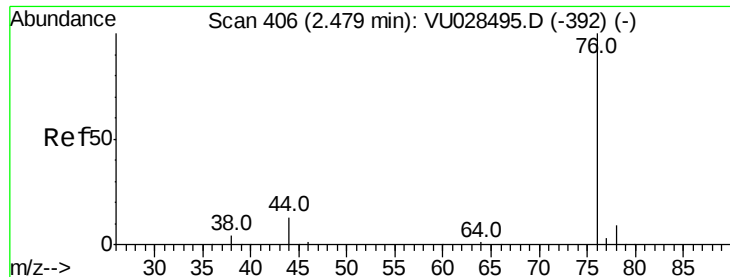
58 29.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

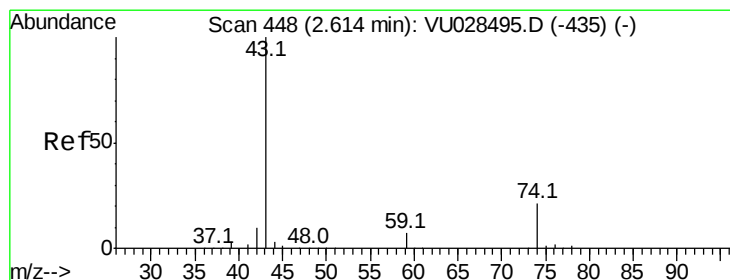
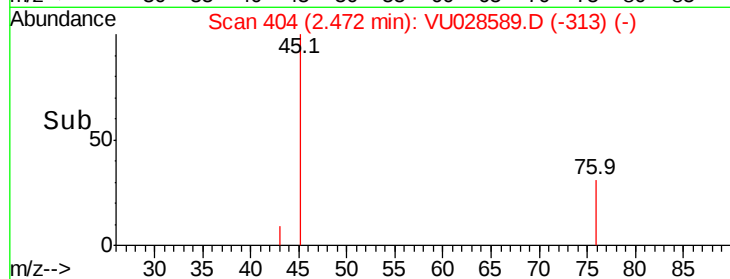
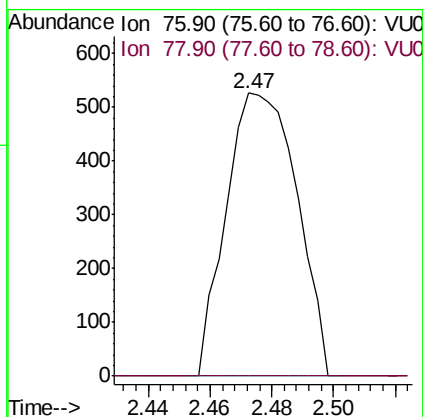
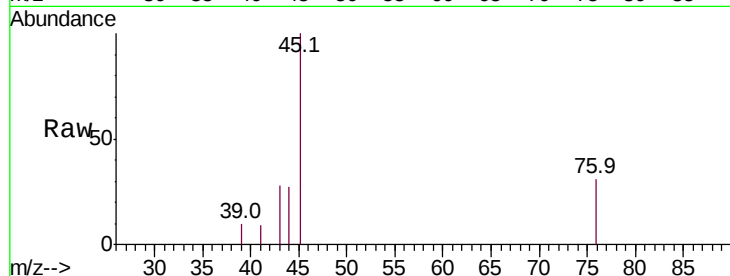




#17
Carbon Disulfide
Concen: 0.249 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

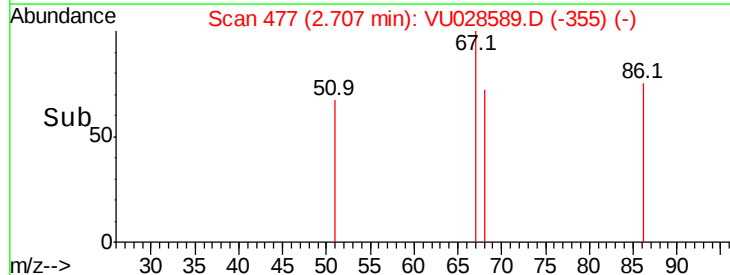
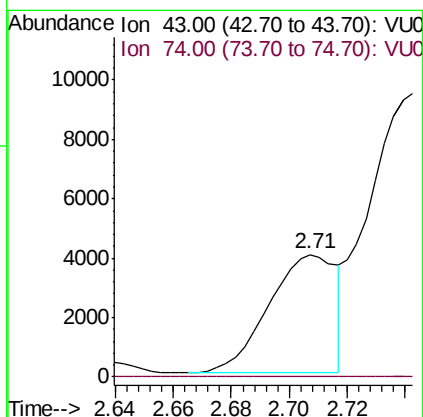
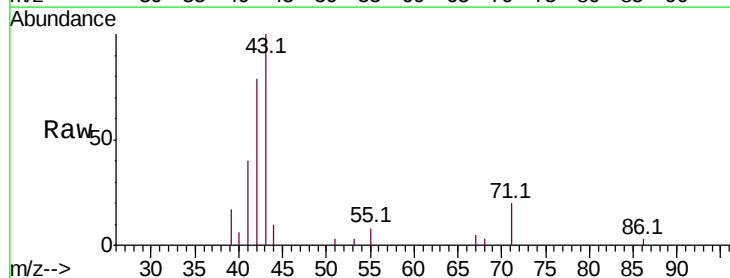
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

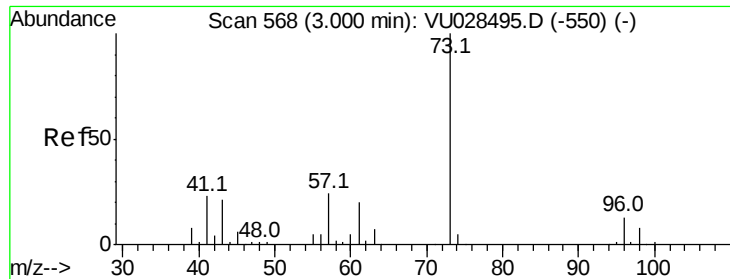
Tot Ion: 76 Resp: 836
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 2.998 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.09 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion: 43 Resp: 6473
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#

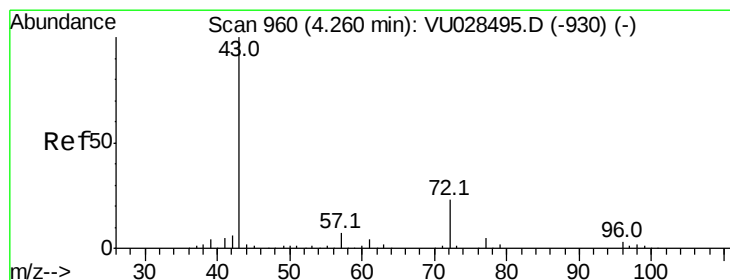
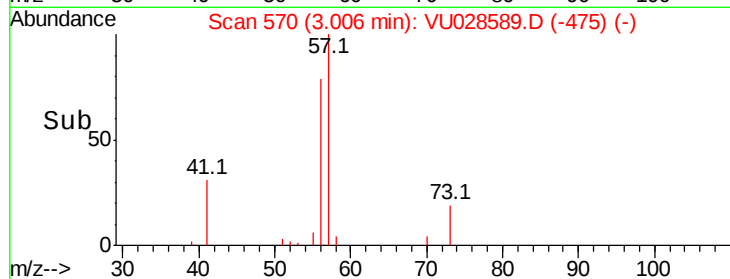
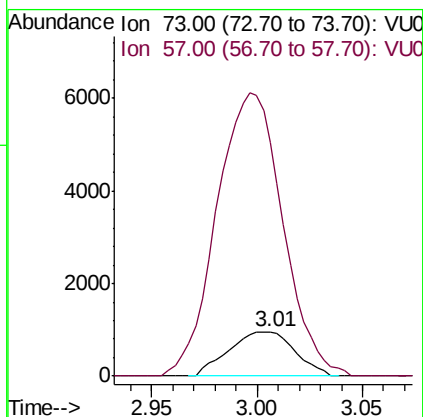
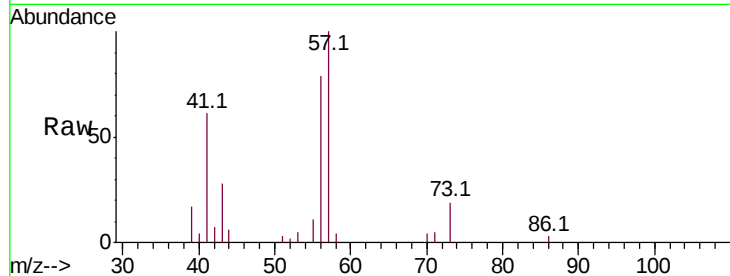




#19
Methvl tert-butvl Ether
Concen: 0.590 ug/l
RT: 3.01 min Scan# 570
Delta R.T. 0.01 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

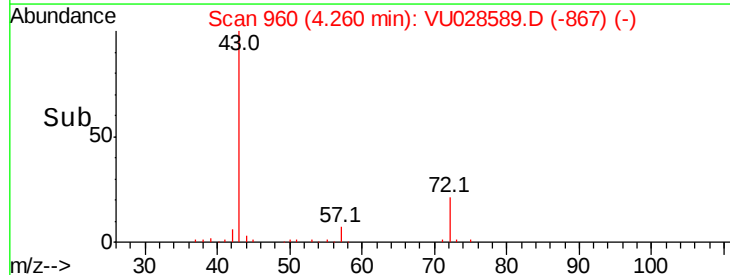
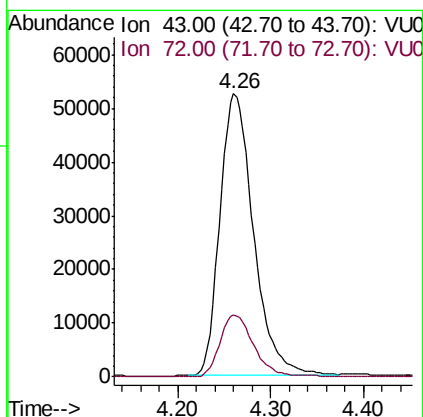
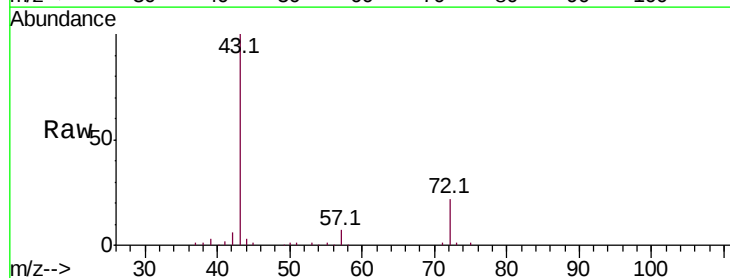
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

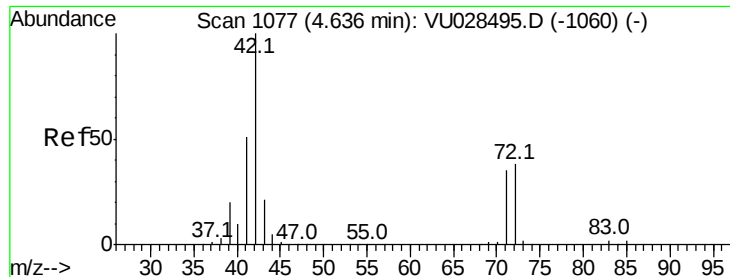
Tot Ion: 73 Resp: 2083
Ion Ratio Lower Upper
73 100
57 509.9 19.4 29.2#



#25
2-Butanone
Concen: 116.447 ug/l
RT: 4.26 min Scan# 960
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion: 43 Resp: 132553
Ion Ratio Lower Upper
43 100
72 21.8 18.6 28.0





#29

Tetrahydrofuran

Concen: 52.191 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01

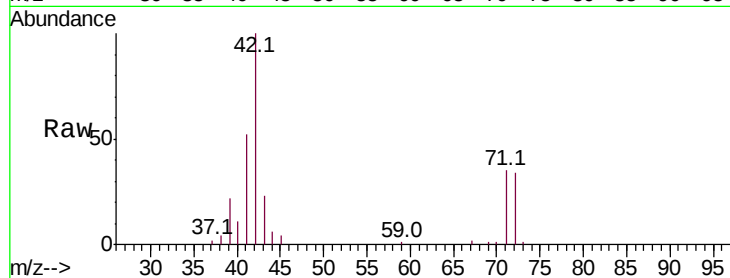
Tot Ion: 42 Resp: 38155

Ion Ratio Lower Upper

42 100

72 36.2 31.4 47.0

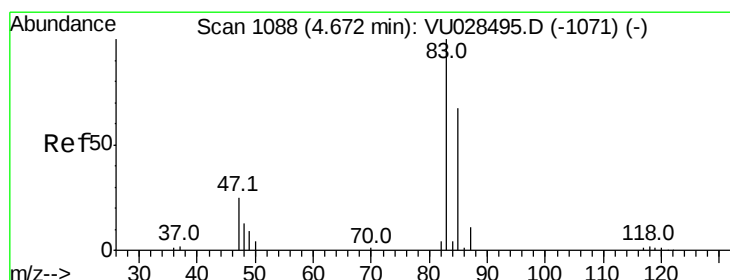
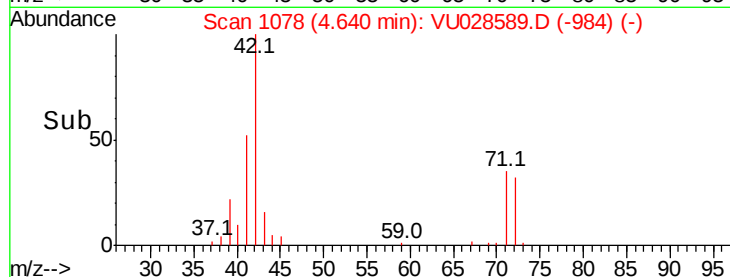
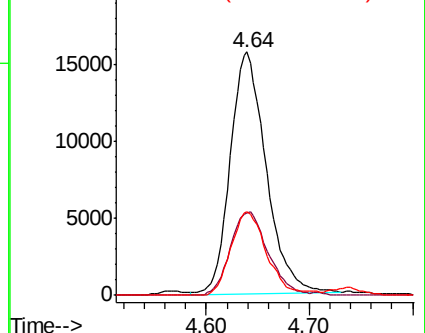
71 34.8 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 0.230 ug/l

RT: 4.68 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VU028589.D

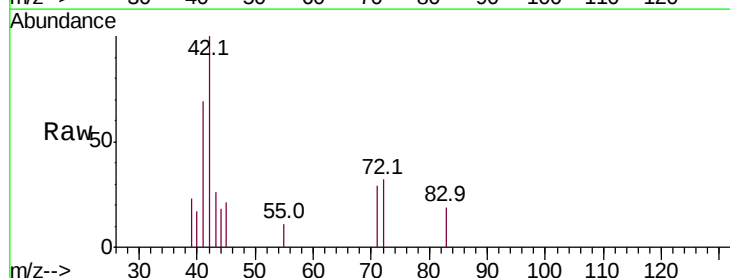
Acq: 11 Dec 2018 07:17

Tgt Ion: 83 Resp: 450

Ion Ratio Lower Upper

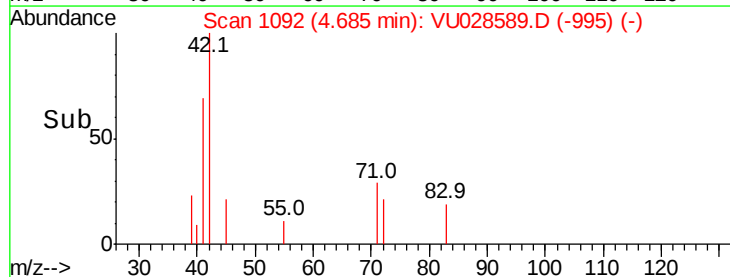
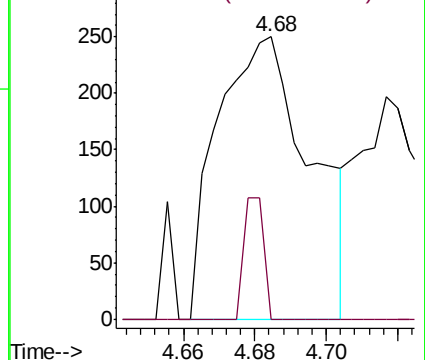
83 100

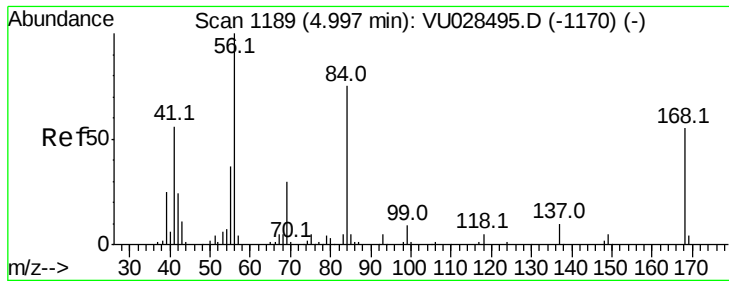
85 0.0 53.6 80.4#



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

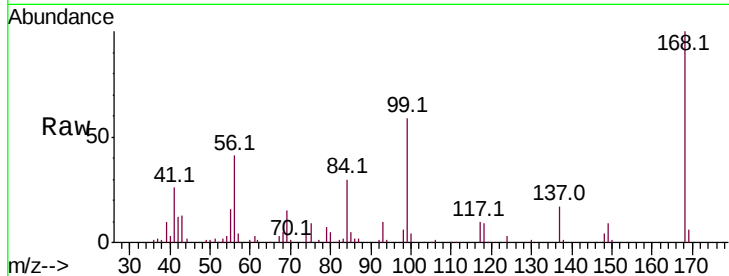




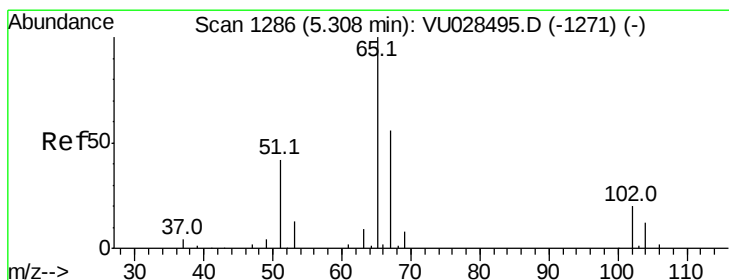
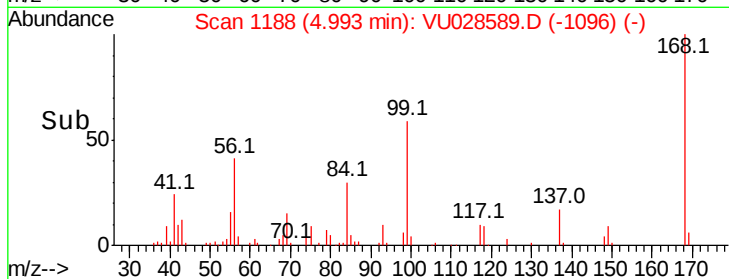
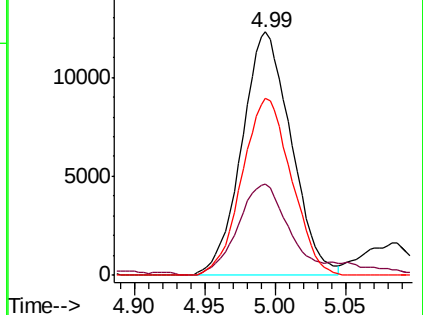
#31
Cyclohexane
Concen: 12.825 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

Tot Ion: 56 Resp: 30015
Ion Ratio Lower Upper
56 100
69 37.6 24.0 36.0#
84 72.5 59.7 89.5

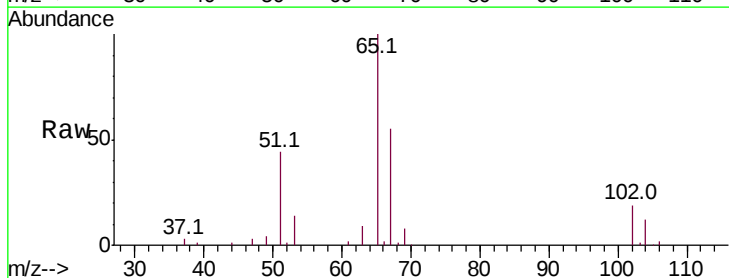


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

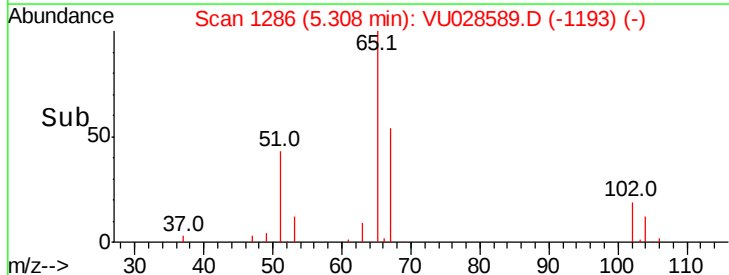
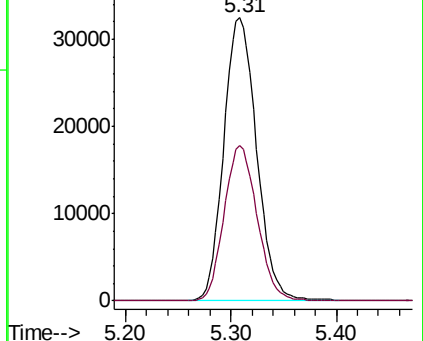


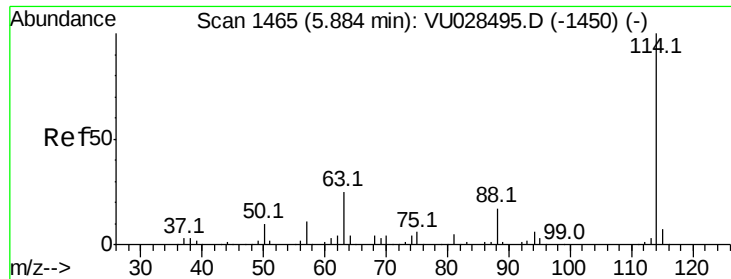
#33
1,2-Dichloroethane-d4
Concen: 54.860 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion: 65 Resp: 70026
Ion Ratio Lower Upper
65 100
67 55.1 0.0 110.6



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

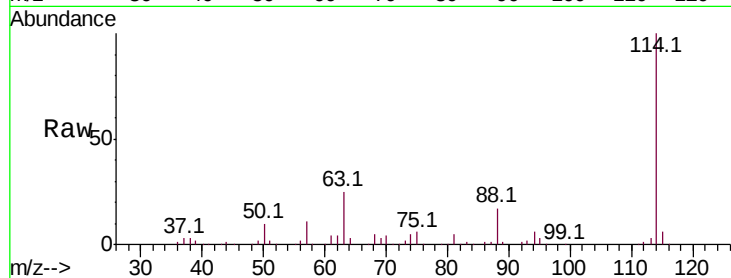




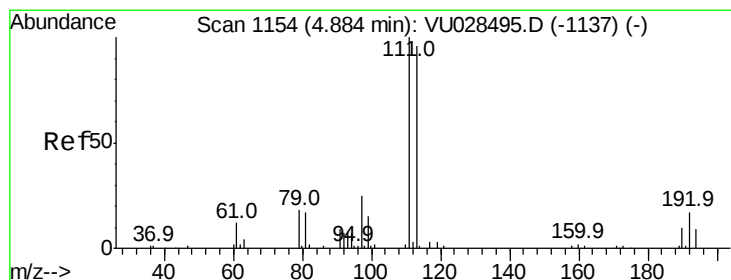
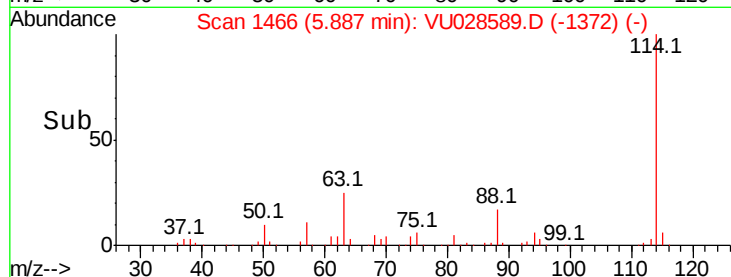
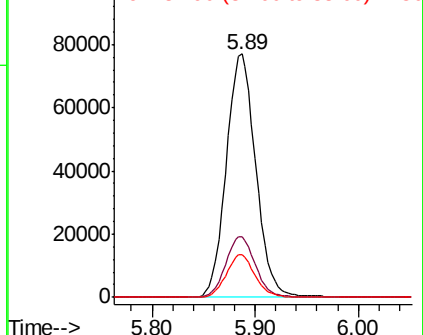
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028589.D
 Acq: 11 Dec 2018 07:17

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01

Tot Ion:114 Resp: 153512
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 17.4 0.0 33.4

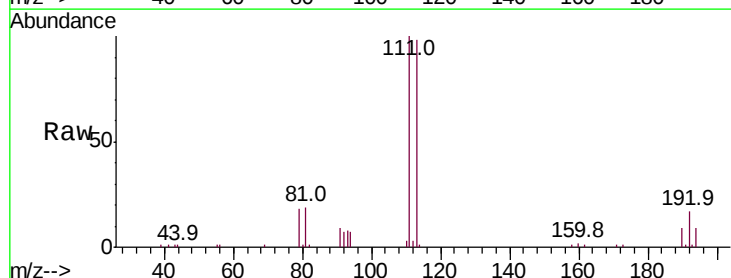


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

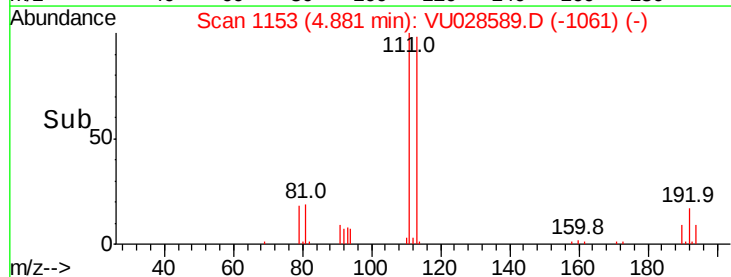
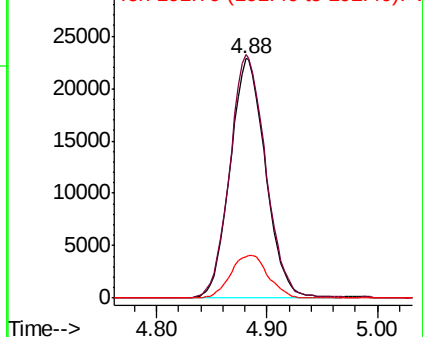


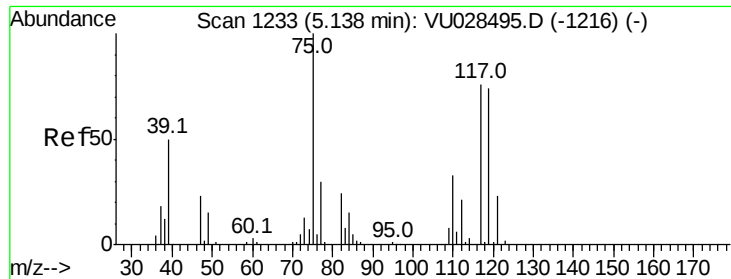
#35
 Dibromofluoromethane
 Concen: 52.642 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028589.D
 Acq: 11 Dec 2018 07:17

Tgt Ion:113 Resp: 50855
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.0
 192 18.9 14.8 22.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

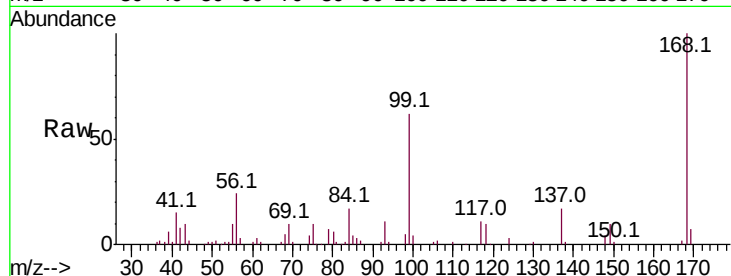




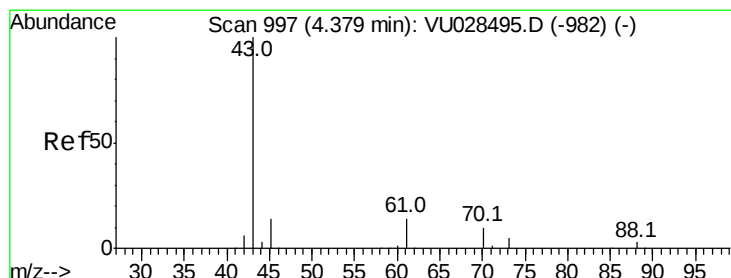
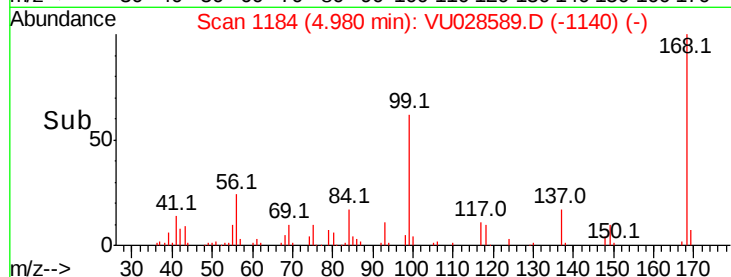
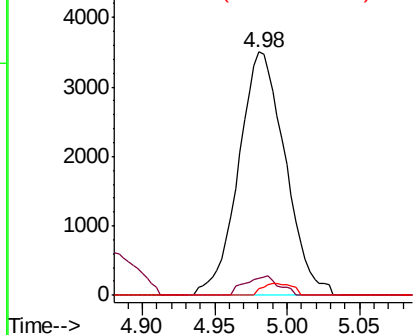
#36
 1,1-Dichloropropene
 Concen: 4.659 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028589.D
 Acq: 11 Dec 2018 07:17

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01

Tot Ion	Ratio	Lower	Upper
75	100		
110	5.8	16.1	48.2#
77	0.0	24.5	36.7#

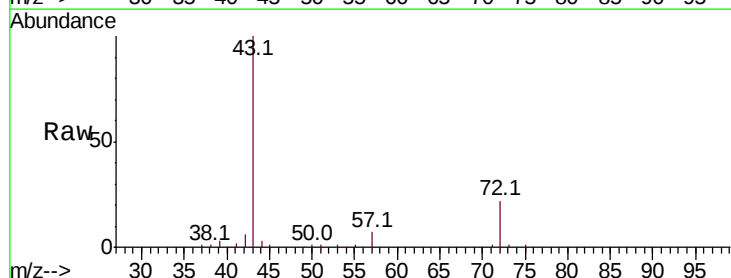


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

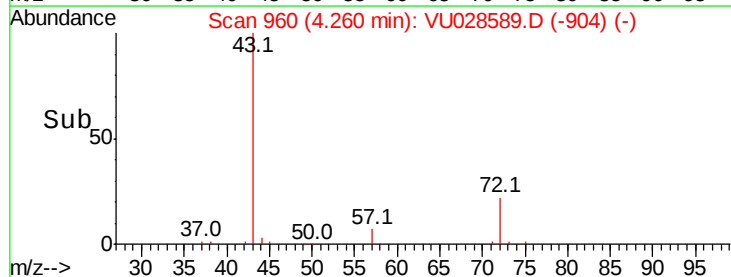
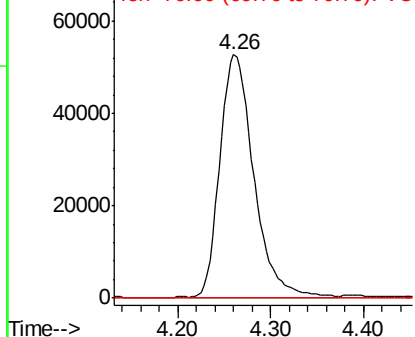


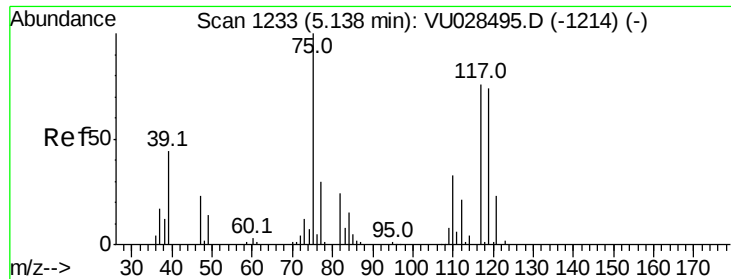
#37
 Ethyl Acetate
 Concen: 61.040 ug/l
 RT: 4.26 min Scan# 960
 Delta R.T. -0.12 min
 Lab File: VU028589.D
 Acq: 11 Dec 2018 07:17

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	0.0	7.4	11.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

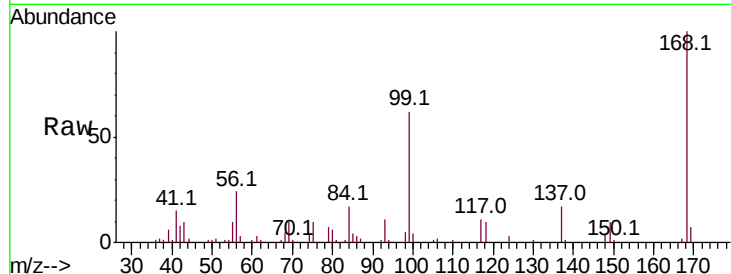




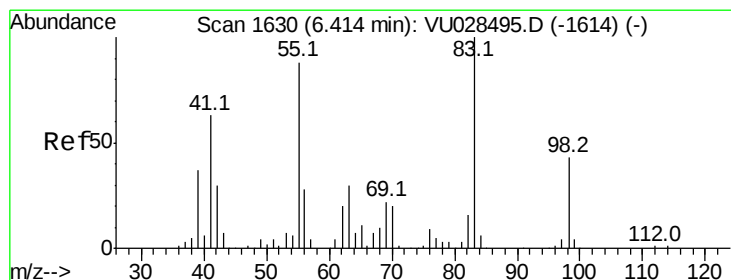
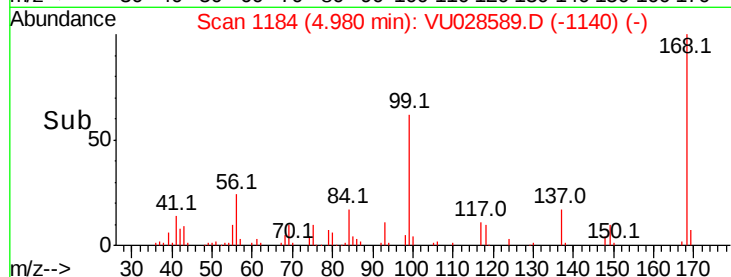
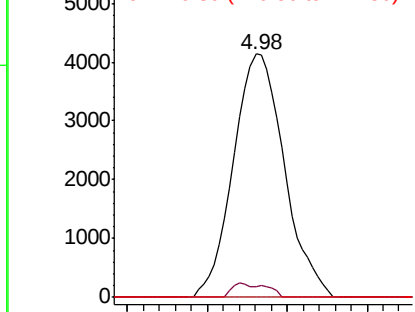
#38
Carbon Tetrachloride
Concen: 6.652 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.16 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

Tot Ion:117 Resp: 9007
Ion Ratio Lower Upper
117 100
119 4.4 77.6 116.4#
121 0.0 24.6 36.8#

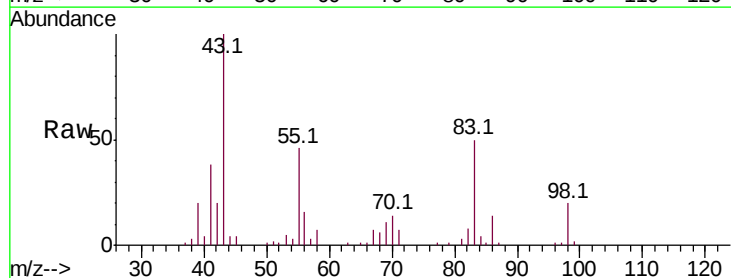


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

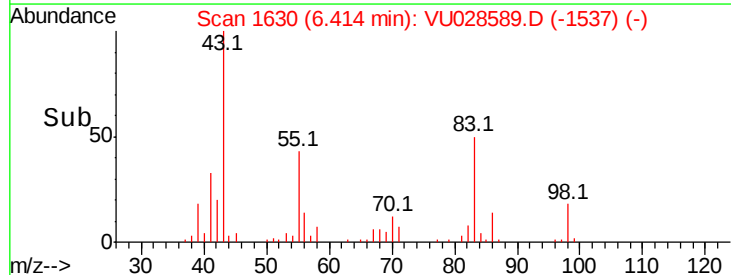
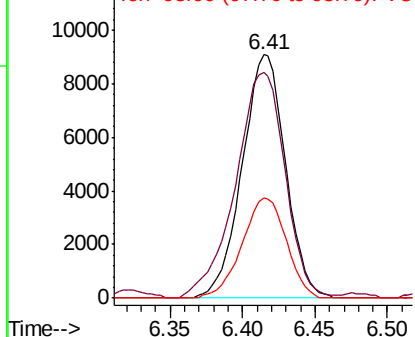


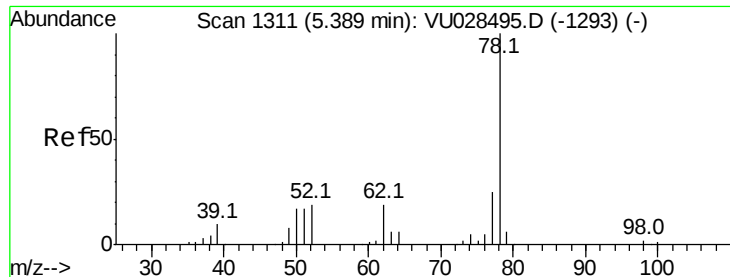
#39
Methylcyclohexane
Concen: 9.214 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion: 83 Resp: 18883
Ion Ratio Lower Upper
83 100
55 91.6 70.2 105.2
98 41.0 34.2 51.4



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: 44.643 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

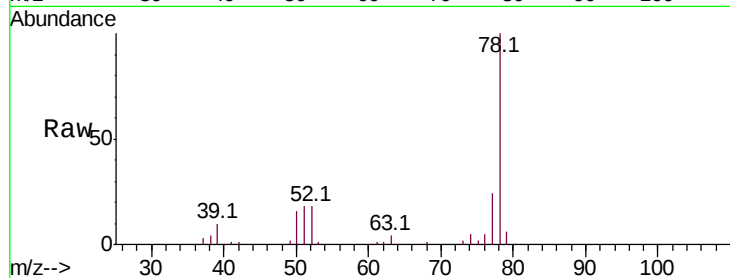
P001-SW001-01

Tot Ion: 78 Resp: 220873

Ion Ratio Lower Upper

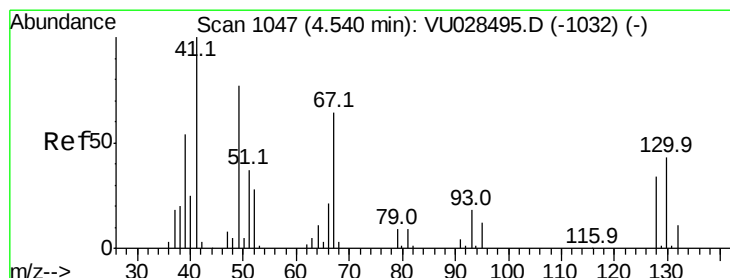
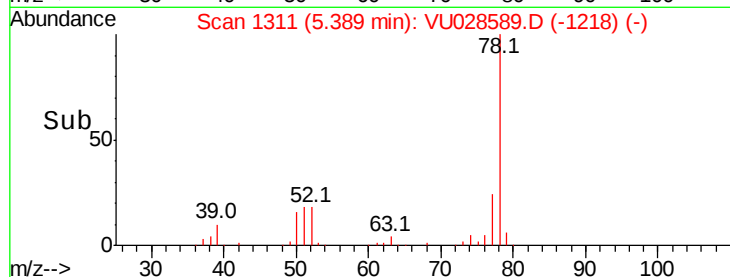
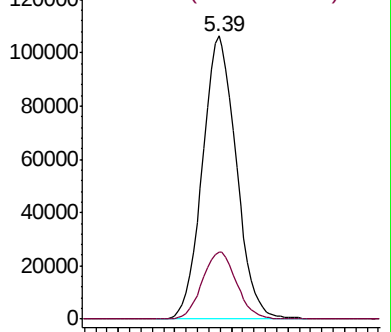
78 100

77 23.9 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#41

Methacrylonitrile

Concen: 3.981 ug/l

RT: 4.56 min Scan# 1052

Delta R.T. 0.02 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Tgt Ion: 41 Resp: 4734

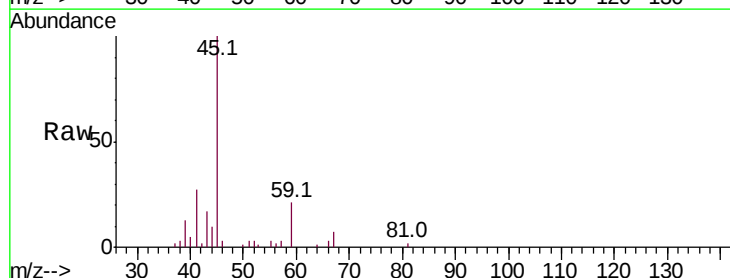
Ion Ratio Lower Upper

41 100

39 51.8 43.3 64.9

67 30.6 53.6 80.4#

52 13.6 22.1 33.1#

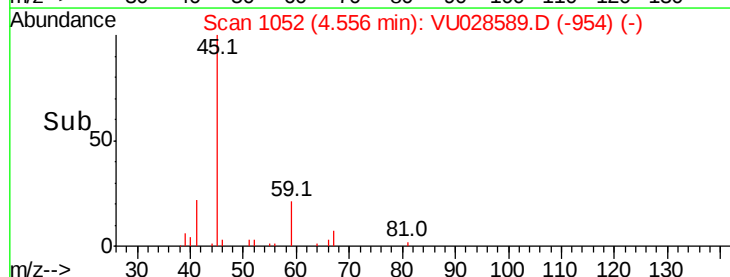
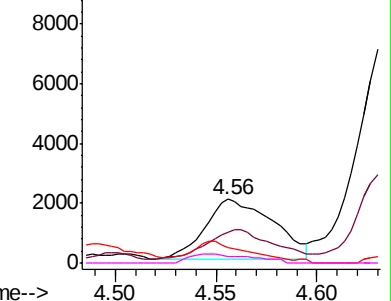


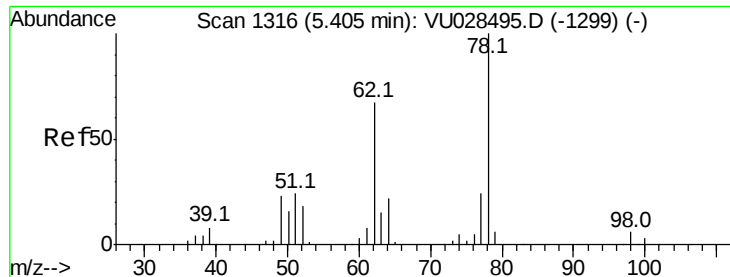
Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 1.301 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. -0.01 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

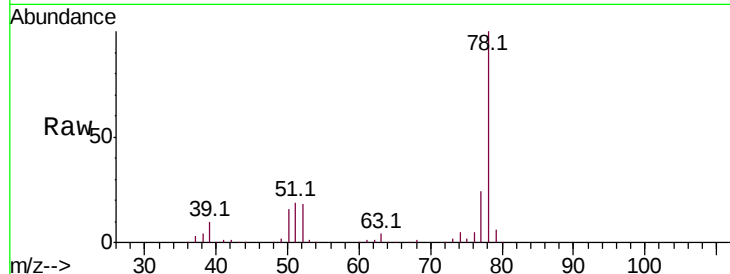
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

Tot Ion: 62 Resp: 2253

Ion Ratio Lower Upper

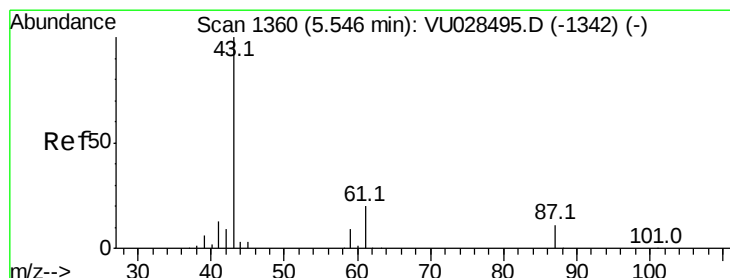
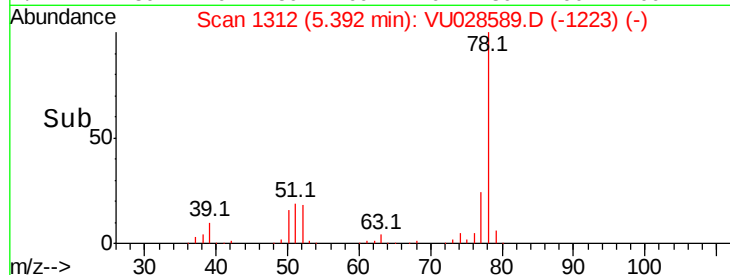
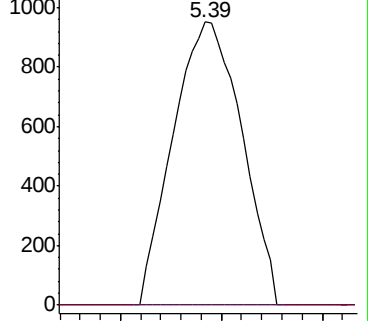
62 100

98 0.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#43

Isopropyl Acetate

Concen: 0.336 ug/l

RT: 5.47 min Scan# 1336

Delta R.T. -0.08 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

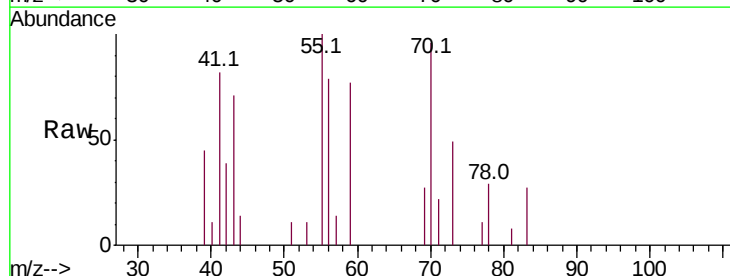
Tgt Ion: 43 Resp: 1155

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

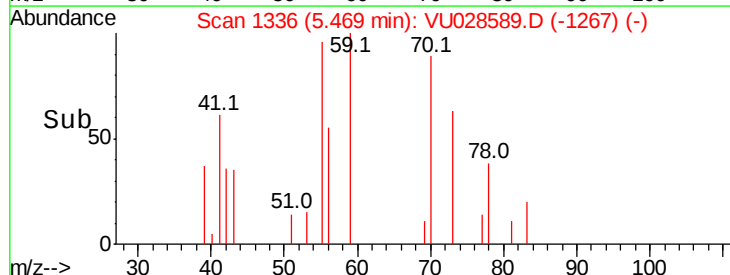
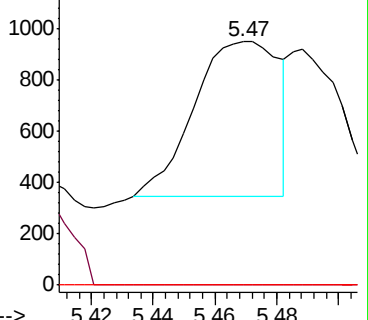
87 0.0 8.7 13.1#

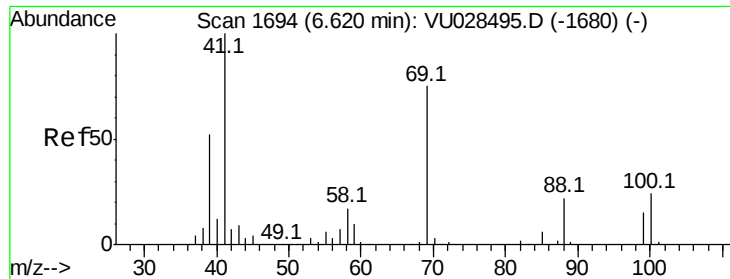


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

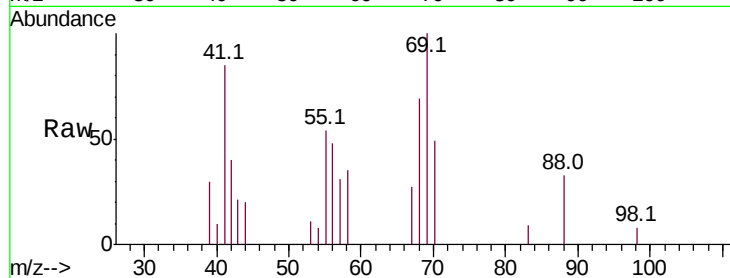




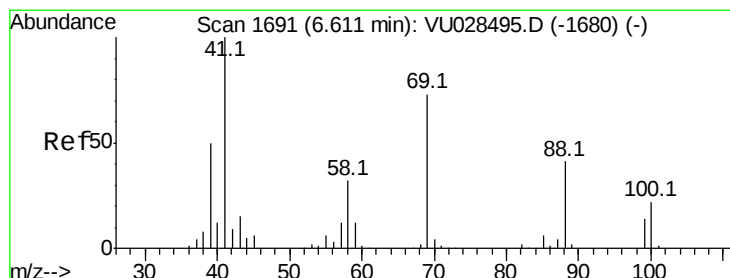
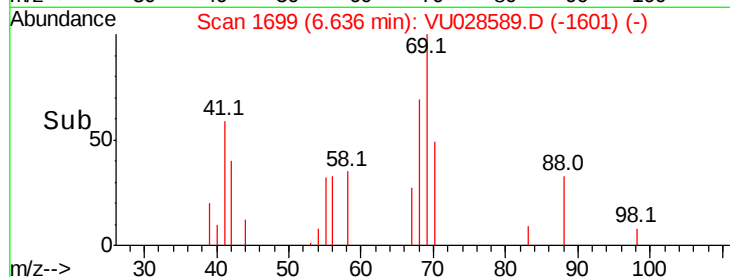
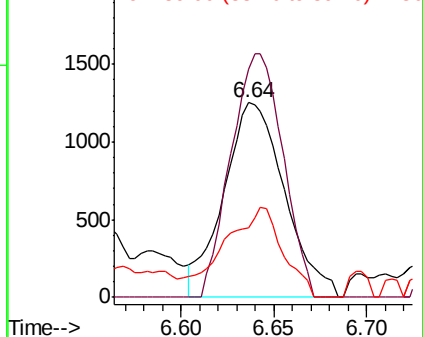
#48
Methvl methacrylate
Concen: 1.684 ug/l
RT: 6.64 min Scan# 1699
Delta R.T. 0.02 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

Tot Ion: 41 Resp: 2876
Ion Ratio Lower Upper
41 100
69 106.5 60.4 90.6#
39 43.6 41.1 61.7

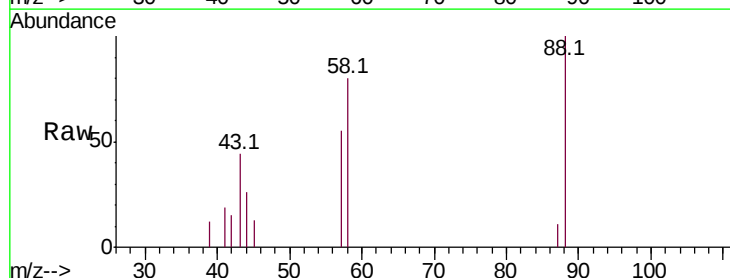


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

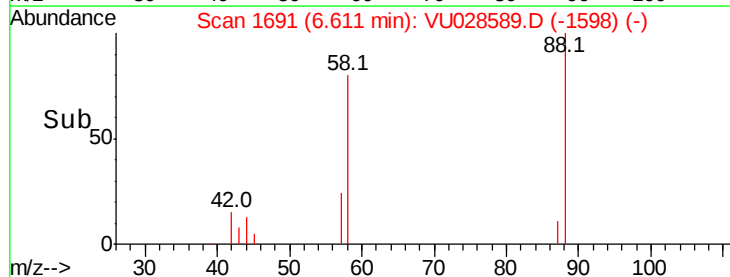
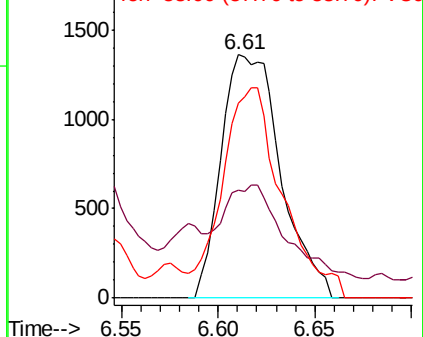


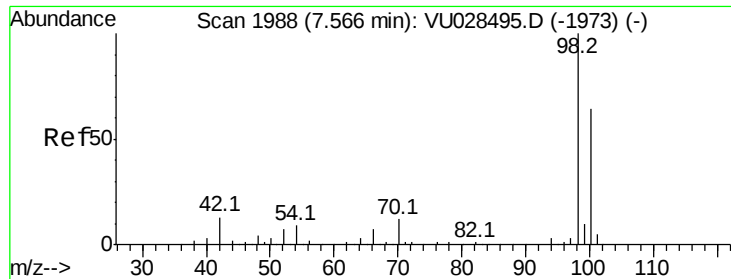
#49
1,4-Dioxane
Concen: 108.340 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion: 88 Resp: 2922
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 87.0 62.4 93.6



Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

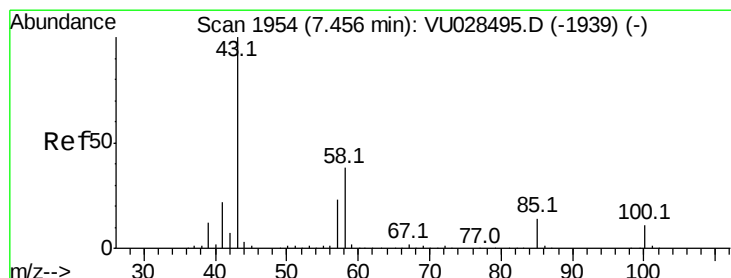
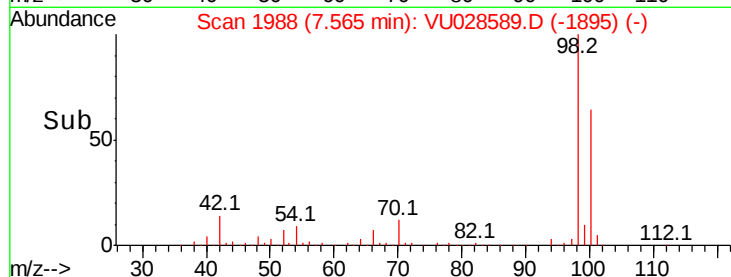
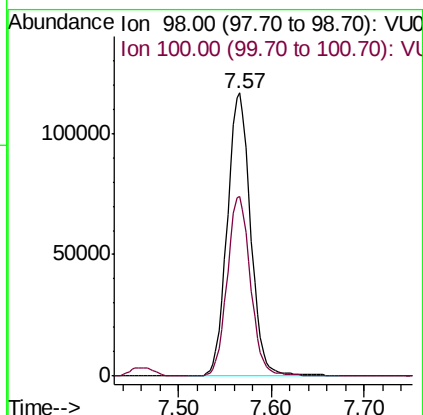
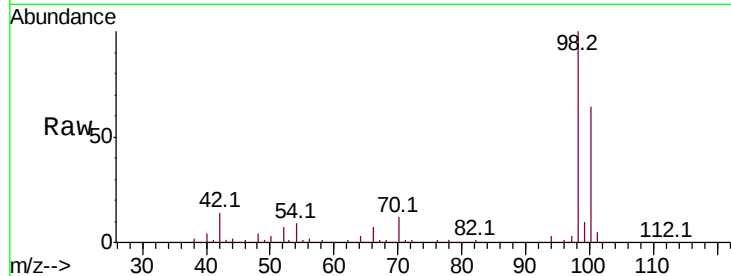




#50
Toluene-d8
Concen: 53.410 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

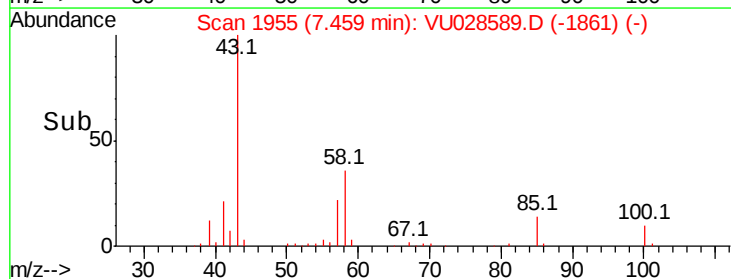
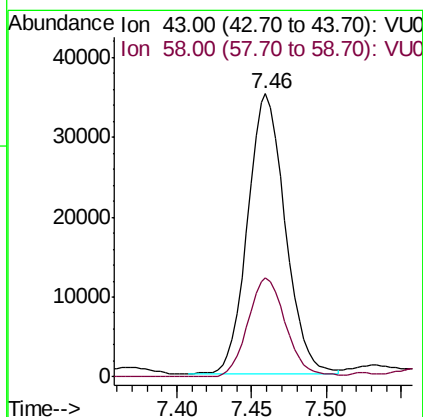
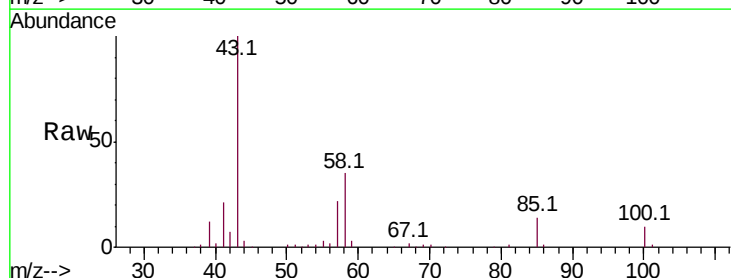
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

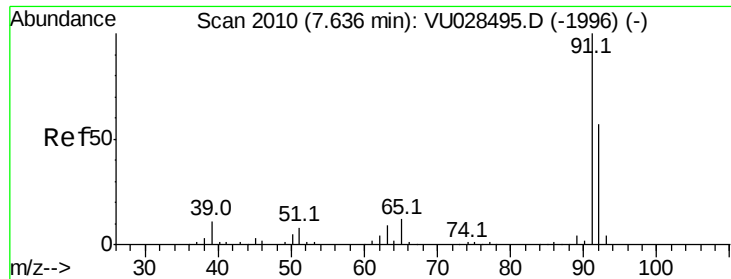
Tot Ion: 98 Resp: 204110
Ion Ratio Lower Upper
98 100
100 63.7 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 28.183 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion: 43 Resp: 61054
Ion Ratio Lower Upper
43 100
58 35.9 30.2 45.2





#52

Toluene

Concen: 244.146 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

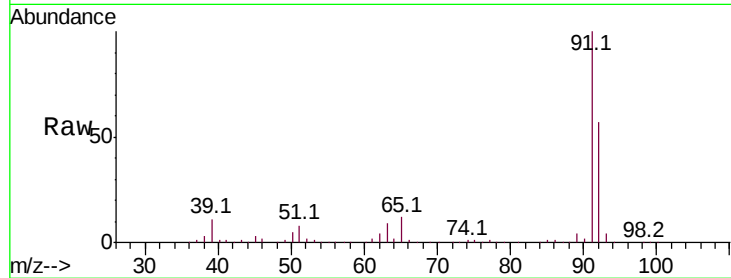
P001-SW001-01

Tot Ion: 92 Resp: 710893

Ion Ratio Lower Upper

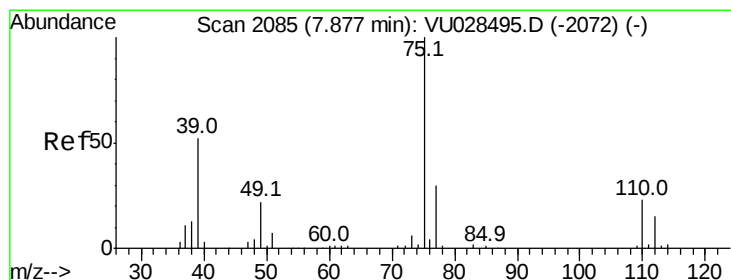
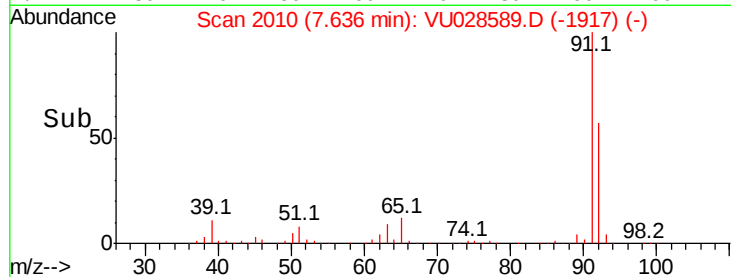
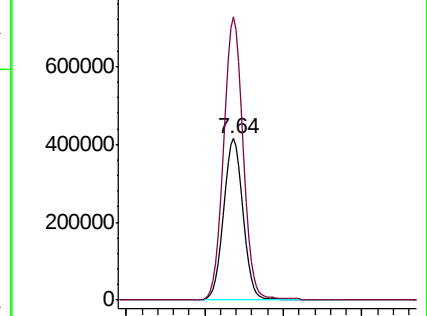
92 100

91 175.5 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#53

t-1,3-Dichloropropene

Concen: 4.276 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.24 min

Lab File: VU028589.D

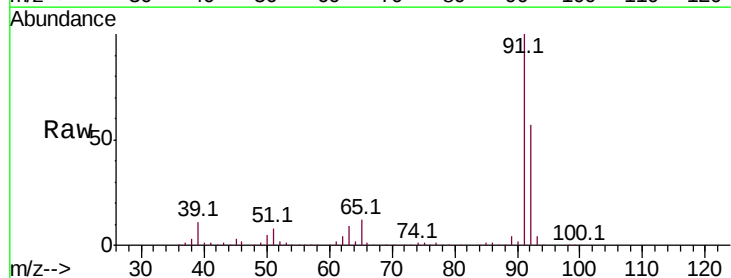
Acq: 11 Dec 2018 07:17

Tgt Ion: 75 Resp: 8180

Ion Ratio Lower Upper

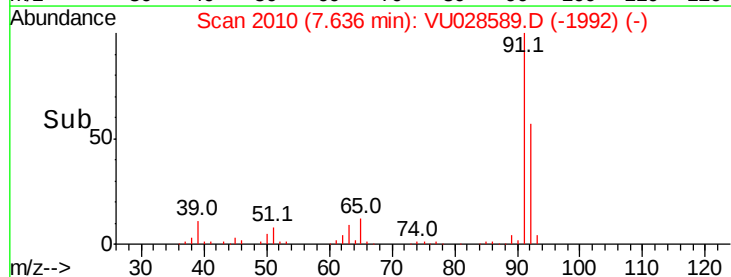
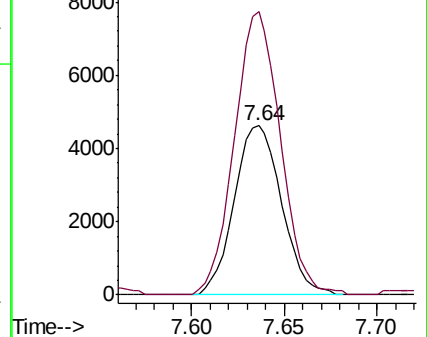
75 100

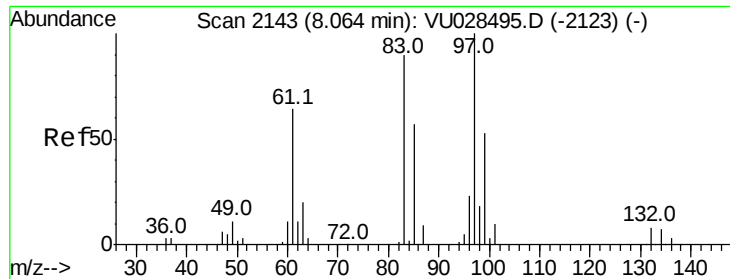
77 167.1 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0





#55

1,1,2-Trichloroethane

Concen: 1.614 ug/l

RT: 8.05 min Scan# 2138

Delta R.T. -0.02 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01

Tot Ion: 97 Resp: 1858

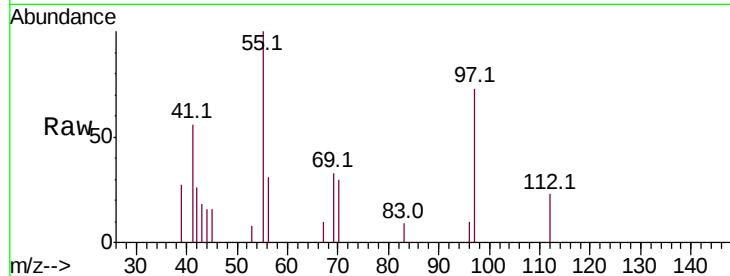
Ion Ratio Lower Upper

97 100

83 12.4 72.4 108.6#

85 0.0 46.0 69.0#

99 0.0 47.4 71.2#

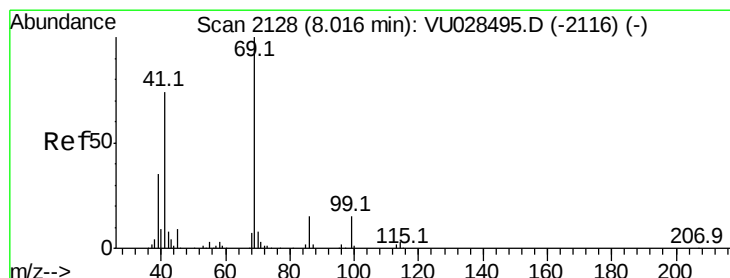
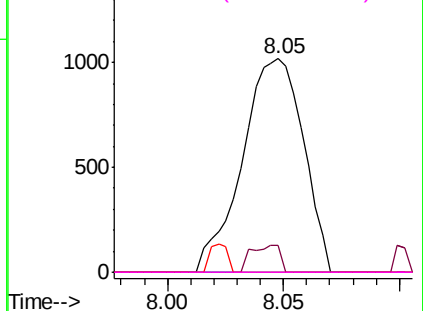
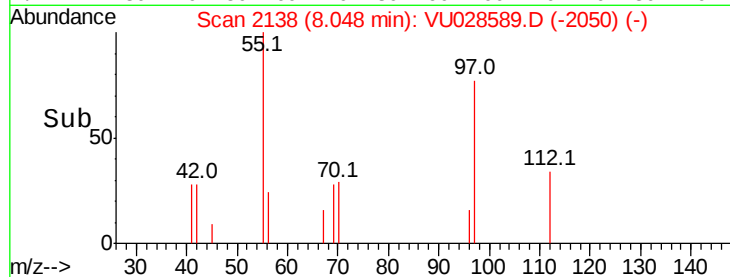


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 0.555 ug/l

RT: 8.04 min Scan# 2137

Delta R.T. 0.03 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

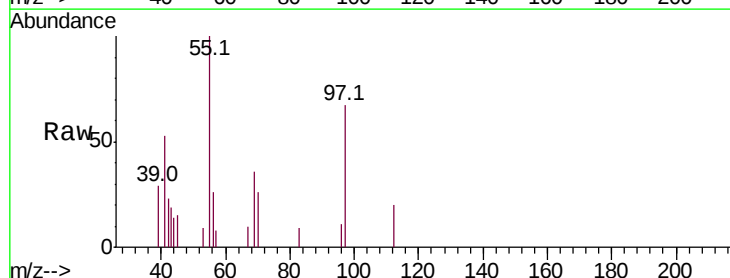
Tgt Ion: 69 Resp: 1093

Ion Ratio Lower Upper

69 100

41 81.8 59.1 88.7

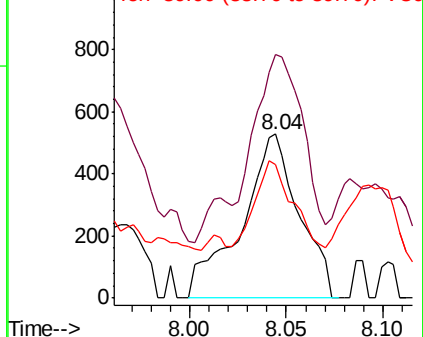
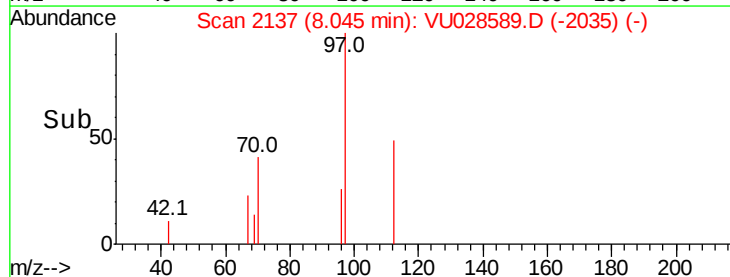
39 32.9 28.4 42.6

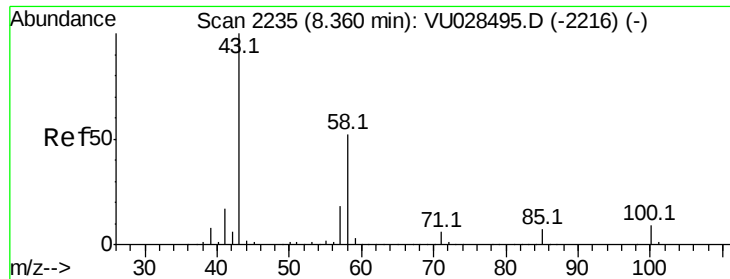


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

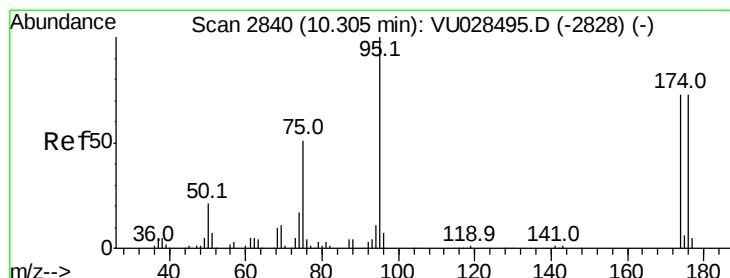
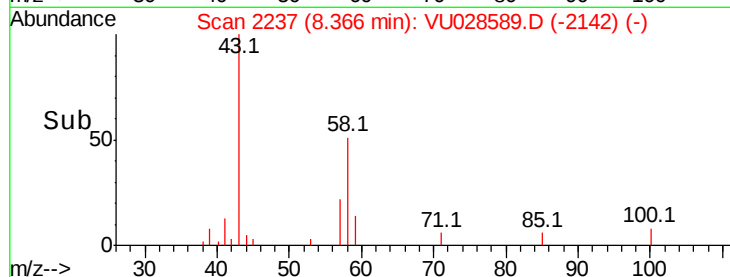
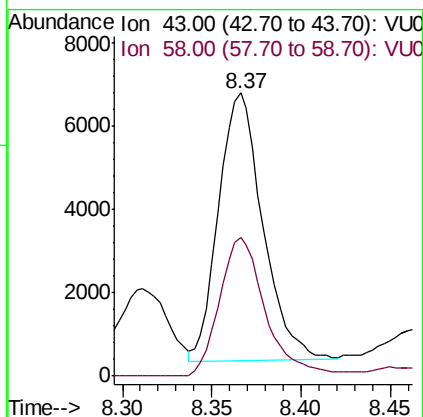
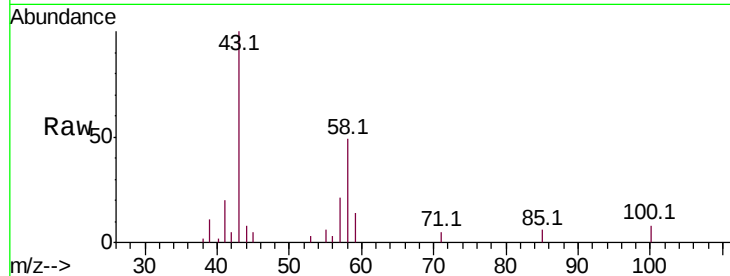




#59
2-Hexanone
Concen: 6.451 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.01 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

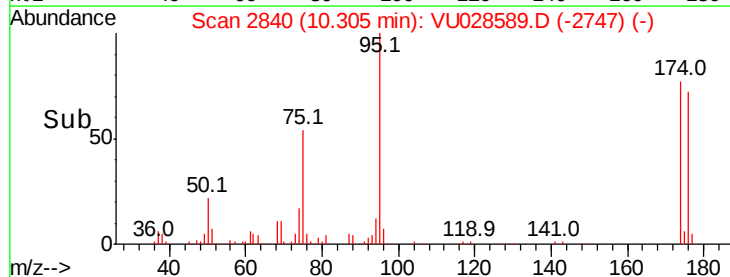
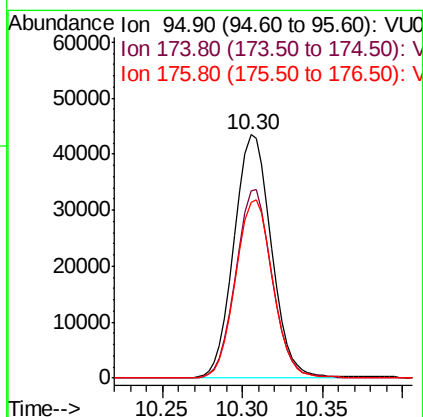
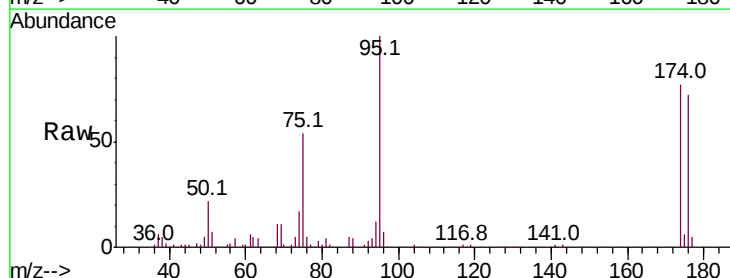
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

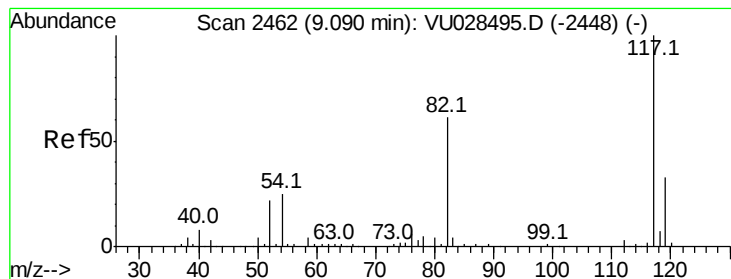
Tot Ion: 43 Resp: 11076
Ion Ratio Lower Upper
43 100
58 54.0 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 48.596 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion: 95 Resp: 69413
Ion Ratio Lower Upper
95 100
174 75.1 0.0 150.4
176 72.9 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: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01

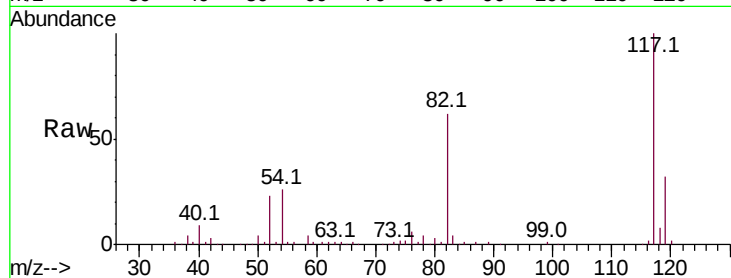
Tot Ion:117 Resp: 139686

Ion Ratio Lower Upper

117 100

82 61.7 48.9 73.3

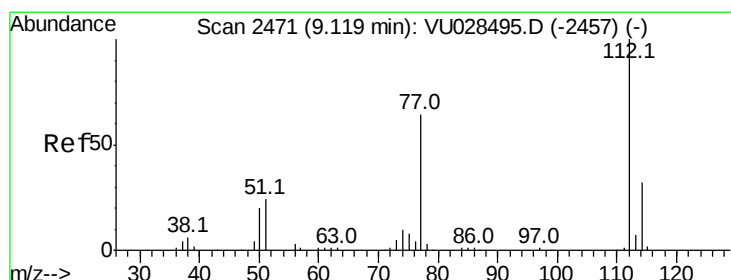
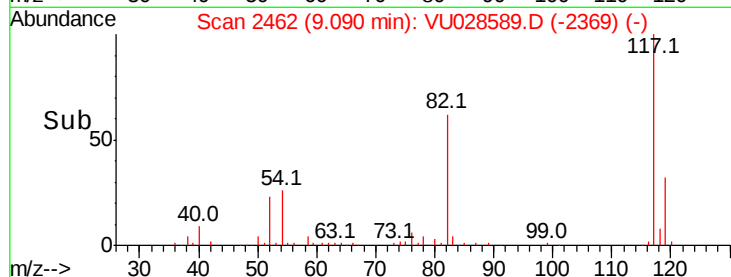
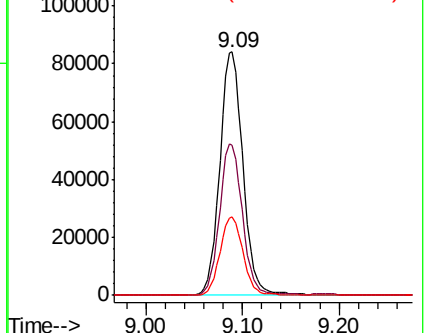
119 32.0 26.2 39.4



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



#65

Chlorobenzene

Concen: 0.702 ug/l

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU028589.D

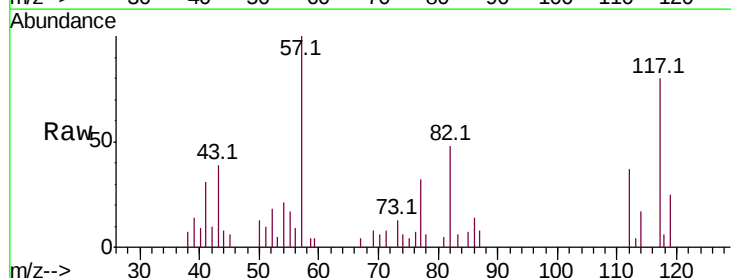
Acq: 11 Dec 2018 07:17

Tgt Ion:112 Resp: 2089

Ion Ratio Lower Upper

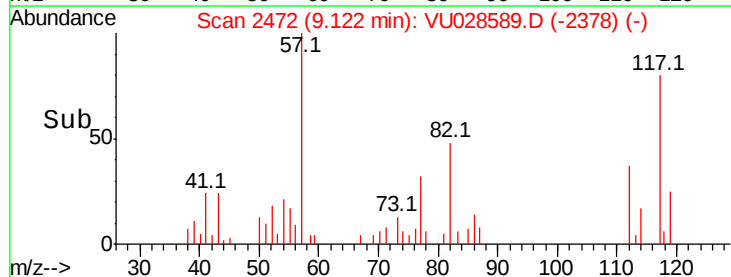
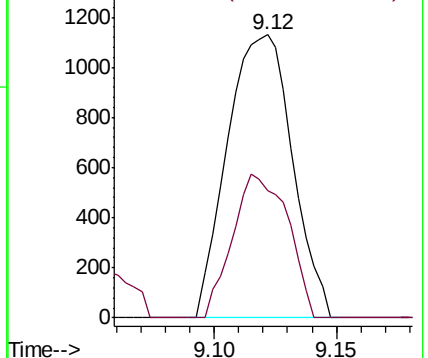
112 100

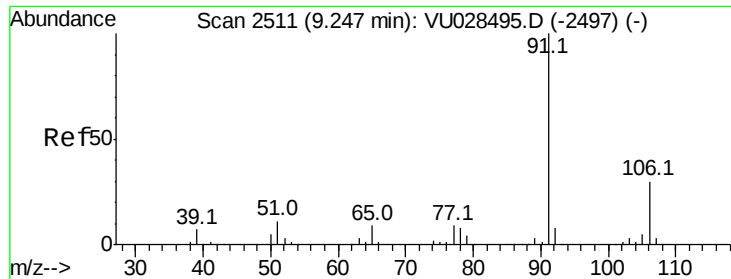
114 45.0 25.3 37.9#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

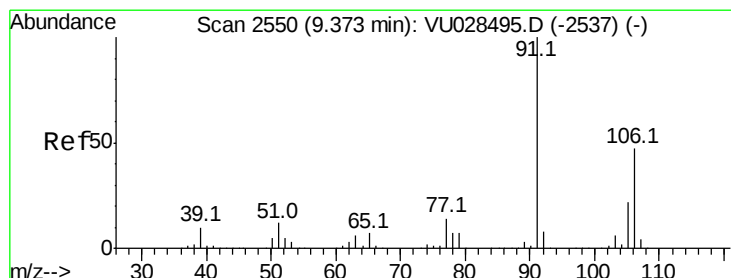
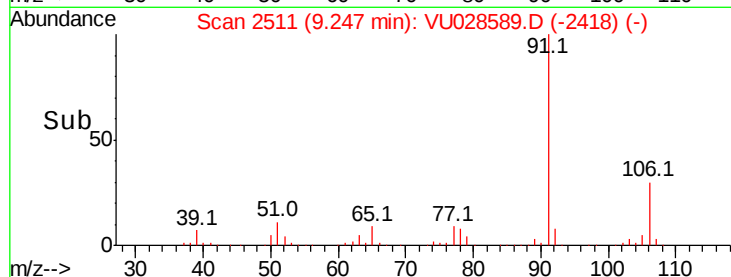
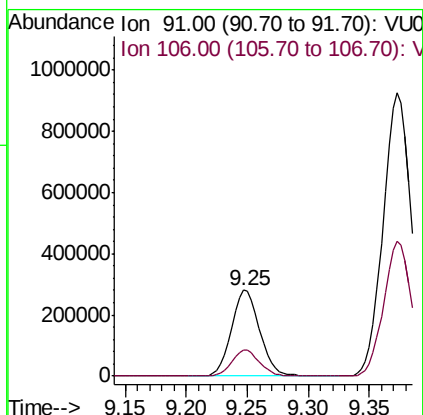
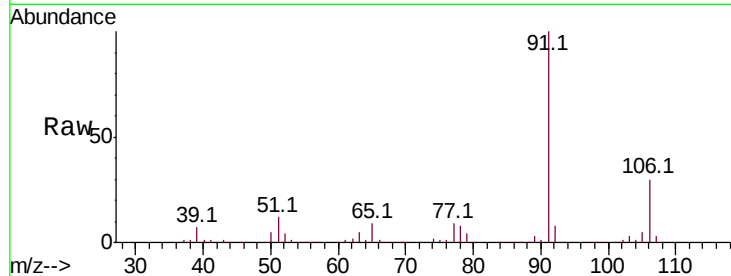




#67
Ethyl Benzene
Concen: 83.018 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

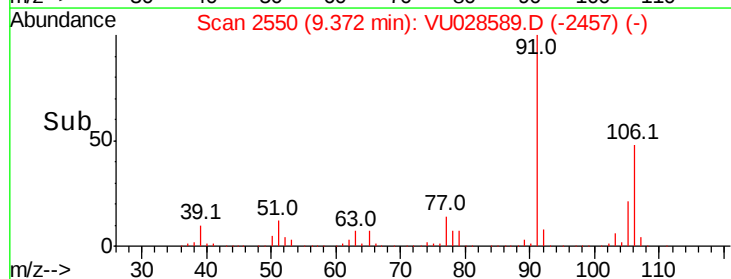
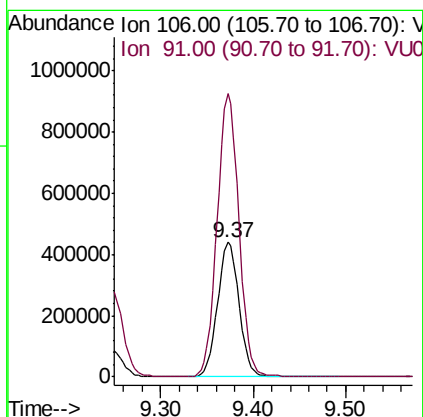
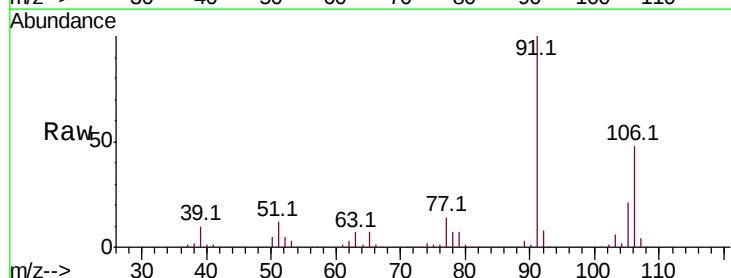
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

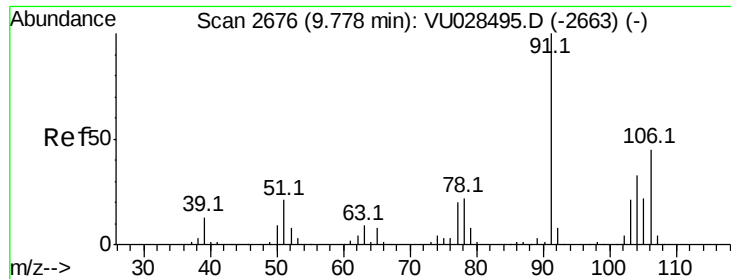
Tot Ion: 91 Resp: 454268
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1



#68
m/p-Xylenes
Concen: 355.662 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion: 106 Resp: 708150
Ion Ratio Lower Upper
106 100
91 212.5 167.4 251.0

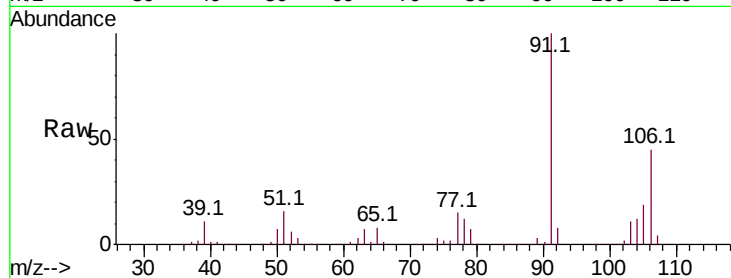




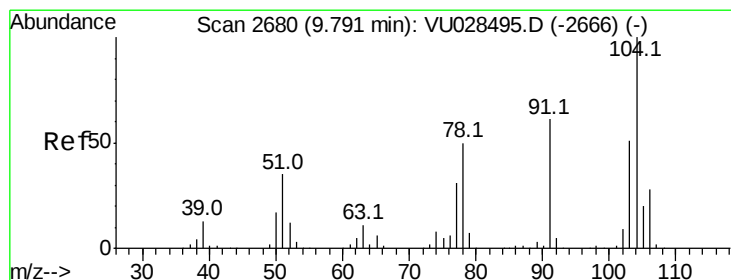
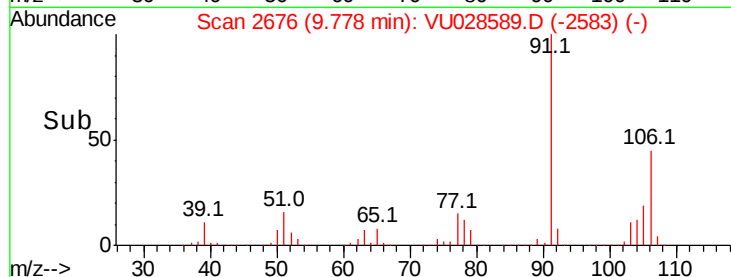
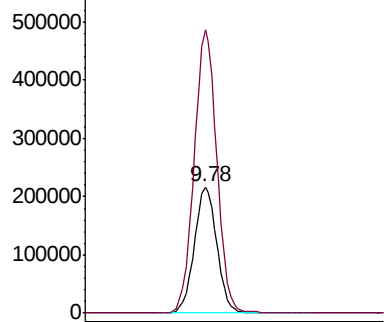
#69
o-Xylene
Concen: 175.023 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

Tot Ion:106 Resp: 338657
Ion Ratio Lower Upper
106 100
91 225.5 111.3 334.0

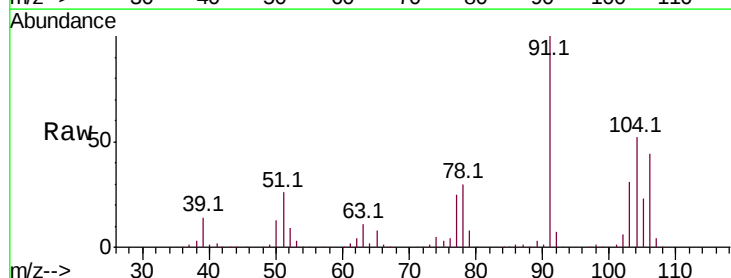


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

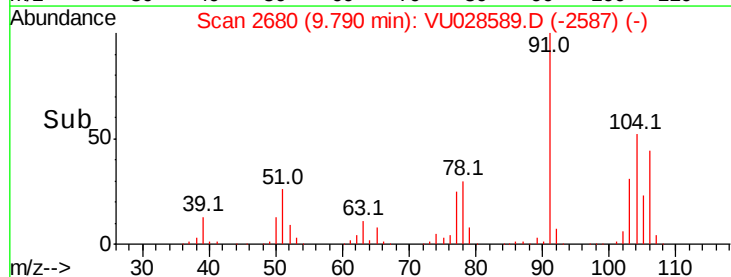
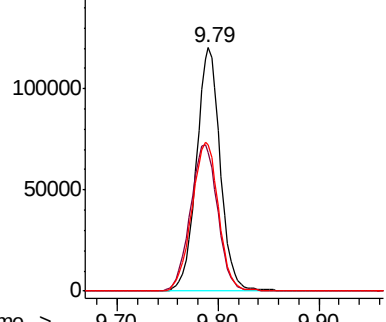


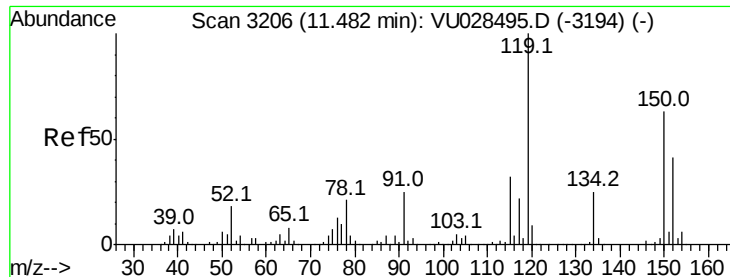
#70
Styrene
Concen: 61.960 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion:104 Resp: 198406
Ion Ratio Lower Upper
104 100
78 69.2 43.0 64.6#
103 68.7 44.2 66.4#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01

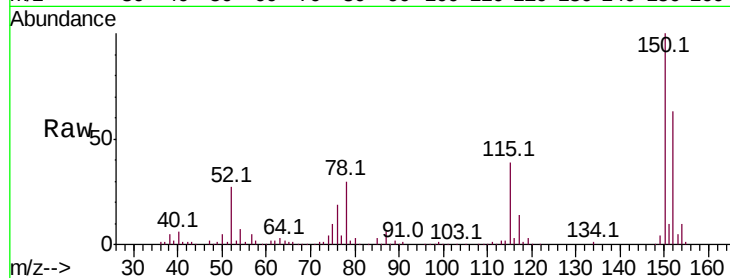
Tot Ion:152 Resp: 62434

Ion Ratio Lower Upper

152 100

115 61.3 42.7 128.1

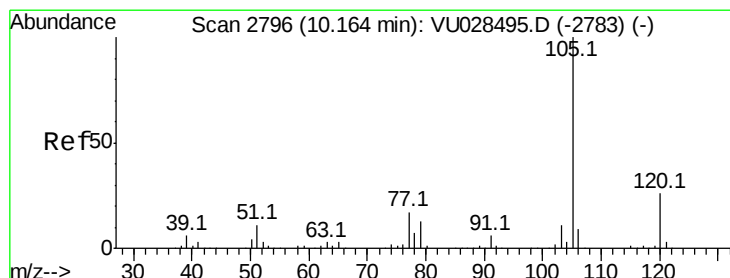
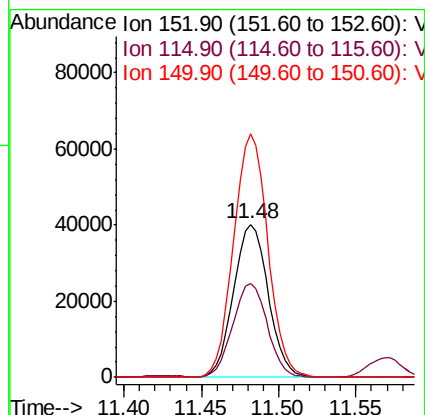
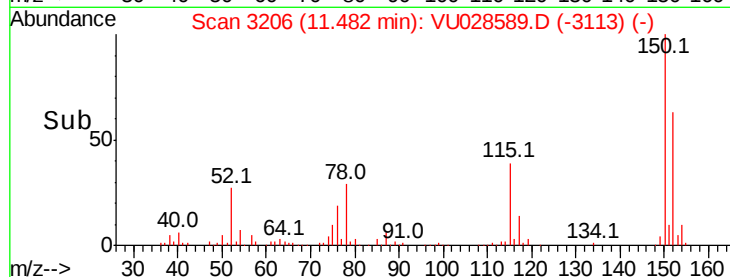
150 157.1 0.0 346.0



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: 9.006 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028589.D

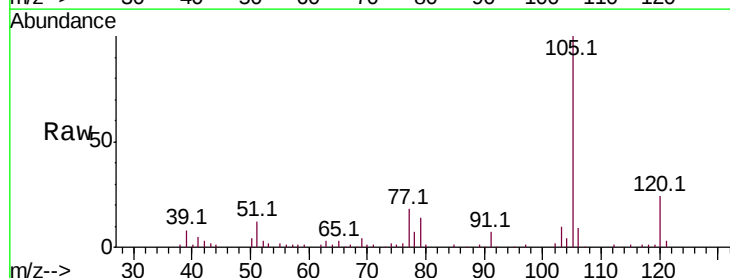
Acq: 11 Dec 2018 07:17

Tgt Ion:105 Resp: 43144

Ion Ratio Lower Upper

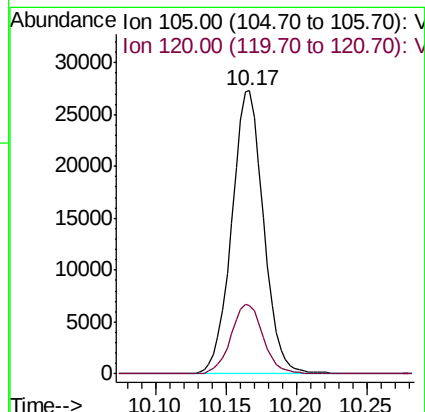
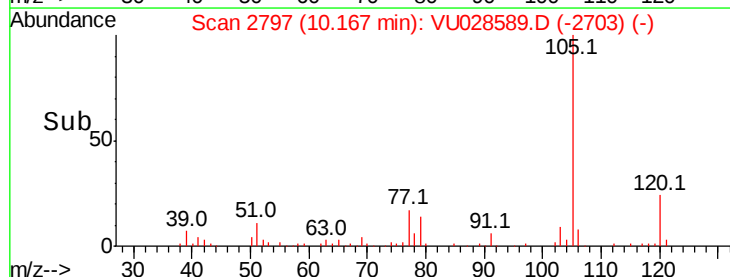
105 100

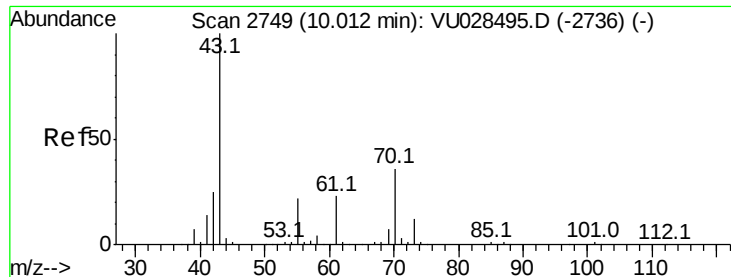
120 24.7 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.211 ug/l

RT: 10.02 min Scan# 2752

Delta R.T. 0.01 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01

Tot Ion: 43 Resp: 582

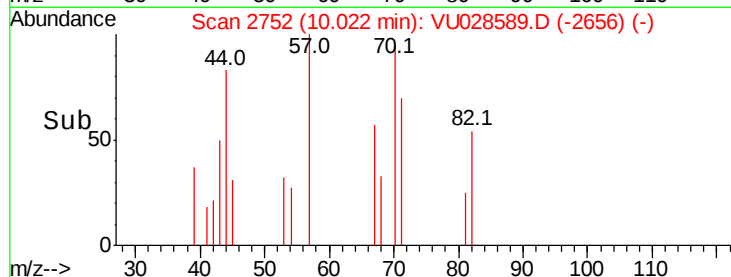
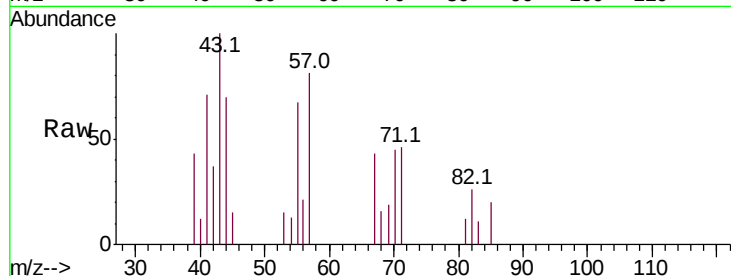
Ion Ratio Lower Upper

43 100

70 186.6 29.3 43.9#

55 136.6 18.0 27.0#

61 0.0 18.3 27.5#

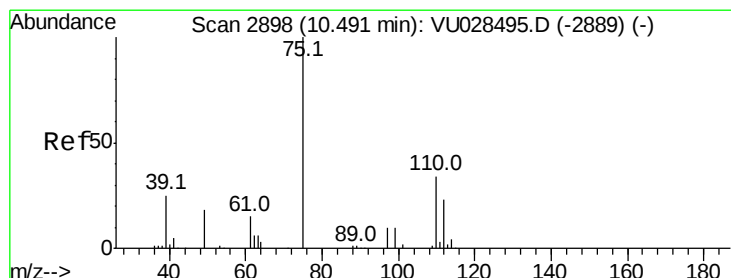
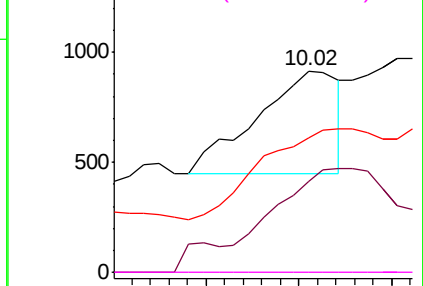


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#76

1,2,3-Trichloropropane

Concen: 23.389 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028589.D

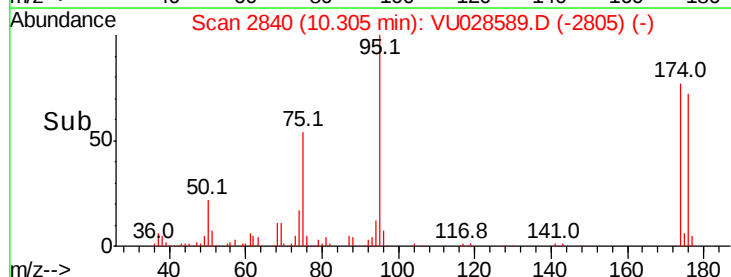
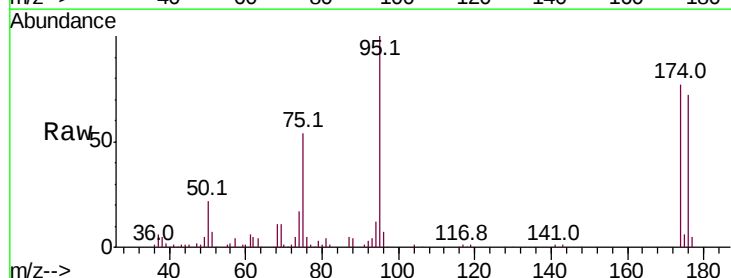
Acq: 11 Dec 2018 07:17

Tgt Ion: 75 Resp: 37288

Ion Ratio Lower Upper

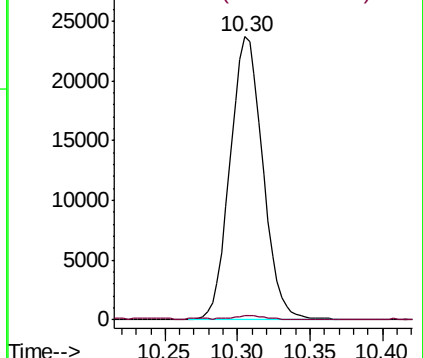
75 100

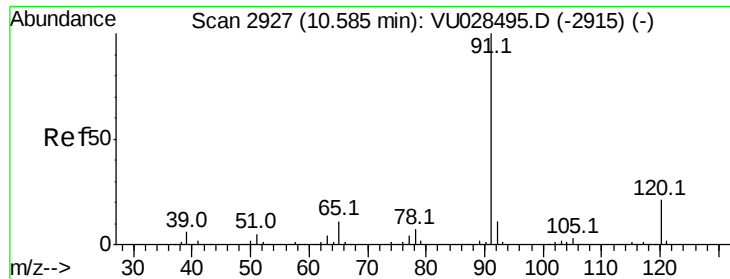
77 0.0 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 19.971 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

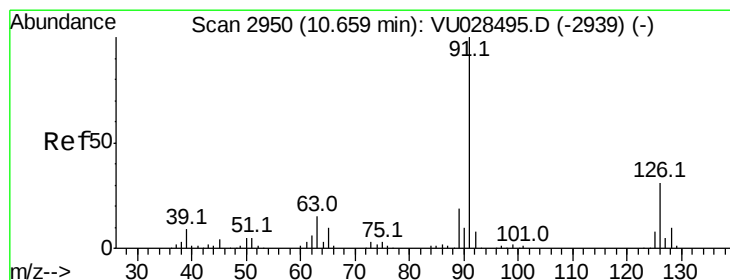
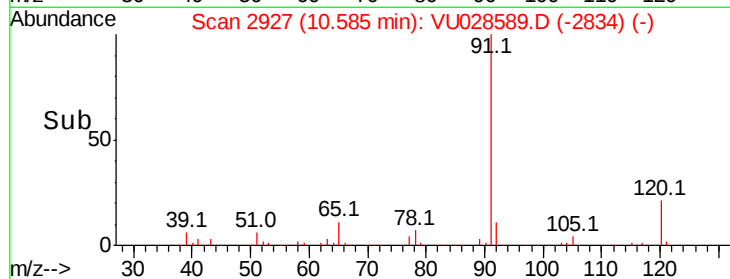
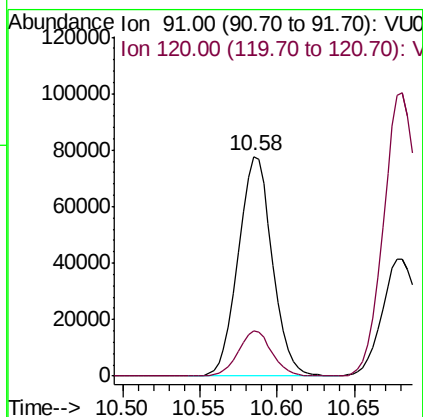
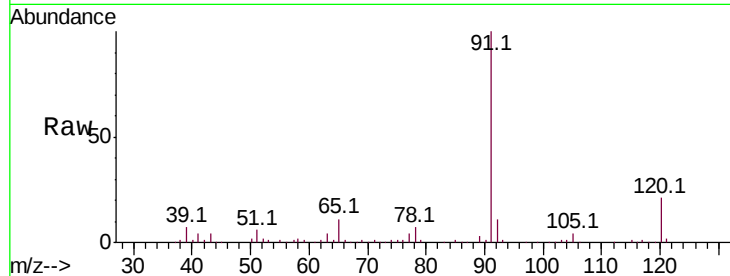
P001-SW001-01

Tot Ion: 91 Resp: 118887

Ion Ratio Lower Upper

91 100

120 20.2 10.6 31.8



#79

2-Chlorotoluene

Concen: 25.687 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.02 min

Lab File: VU028589.D

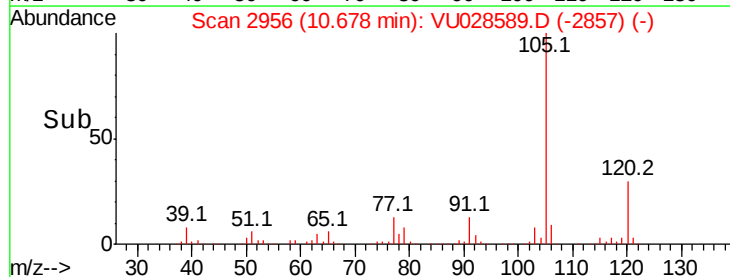
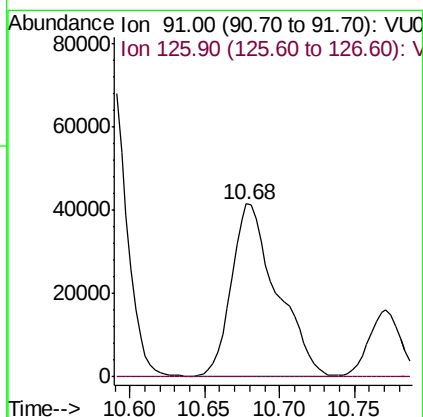
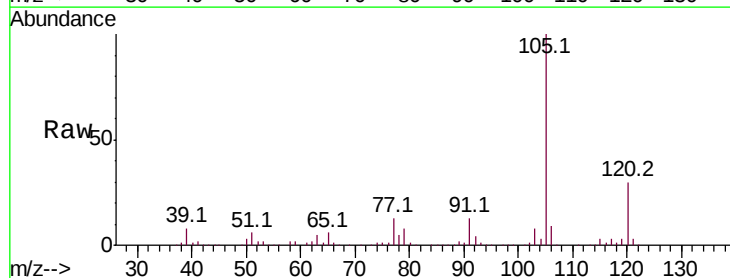
Acq: 11 Dec 2018 07:17

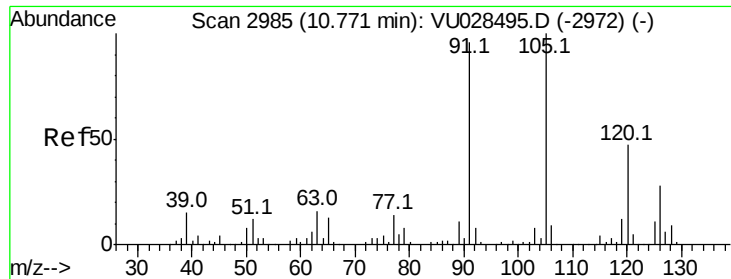
Tgt Ion: 91 Resp: 88081

Ion Ratio Lower Upper

91 100

126 0.0 15.6 46.8#





#80

1,3,5-Trimethylbenzene

Concen: 54.591 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

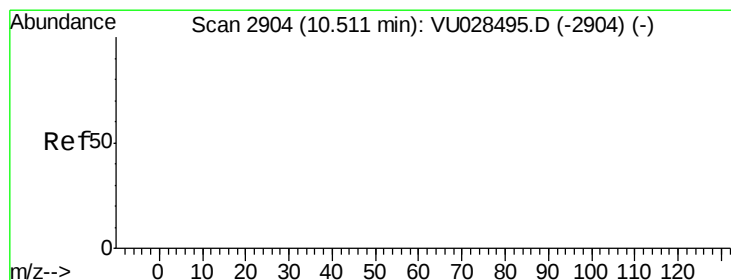
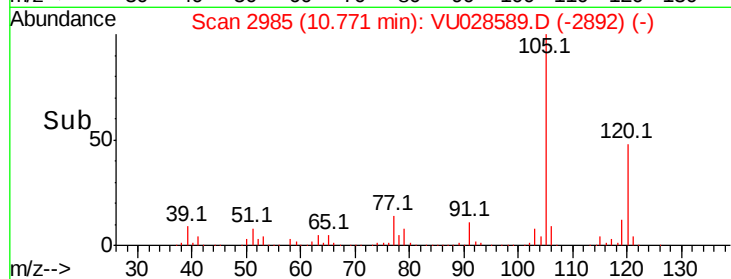
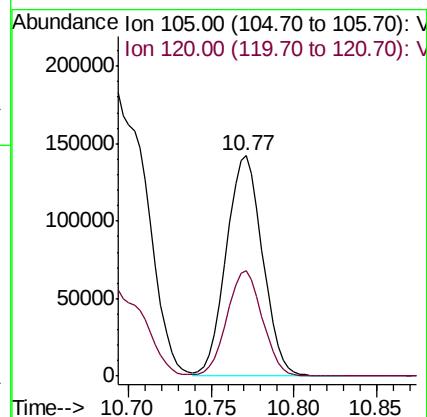
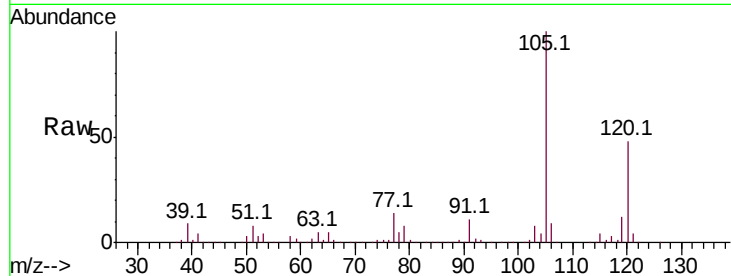
P001-SW001-01

Tot Ion:105 Resp: 216488

Ion Ratio Lower Upper

105 100

120 46.8 23.7 71.1



#81

trans-1,4-Dichloro-2-butene

Concen: 10.023 ug/l

RT: 10.68 min Scan# 2957

Delta R.T. 0.17 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

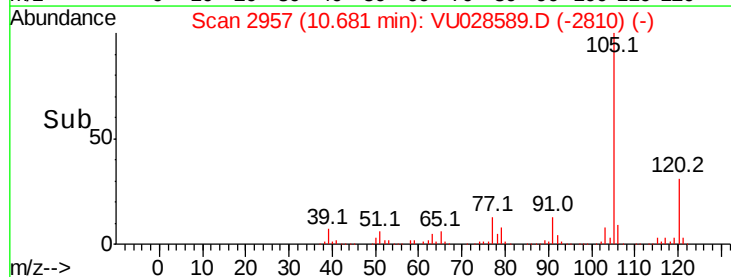
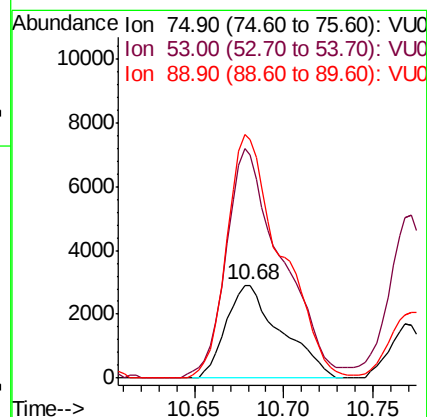
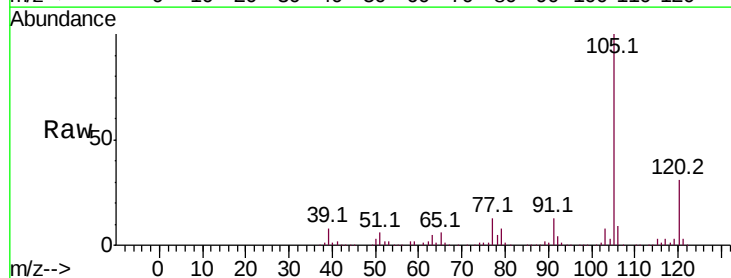
Tgt Ion: 75 Resp: 6225

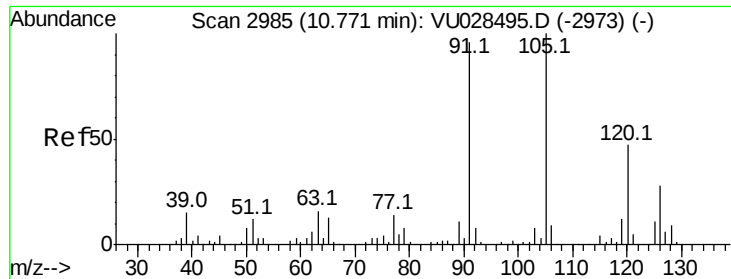
Ion Ratio Lower Upper

75 100

53 251.6 0.0 0.0#

89 260.0 0.0 0.0#

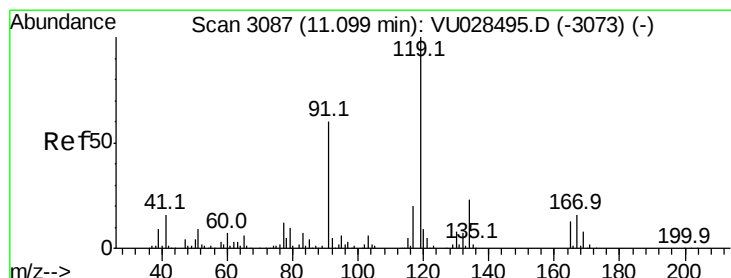
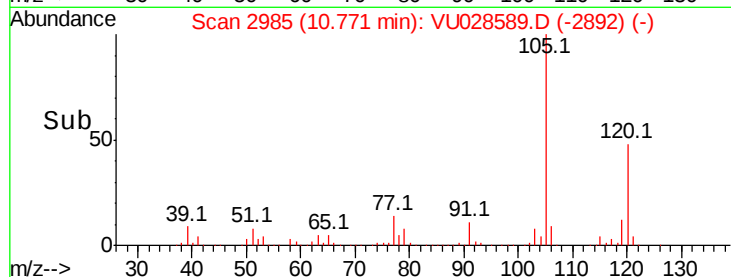
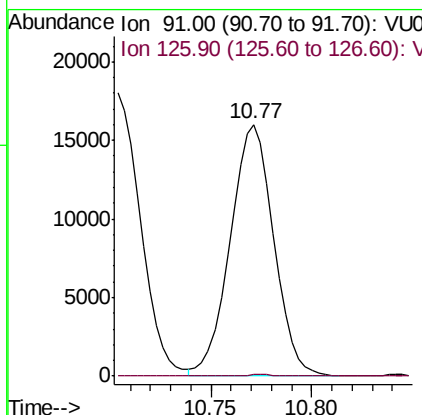
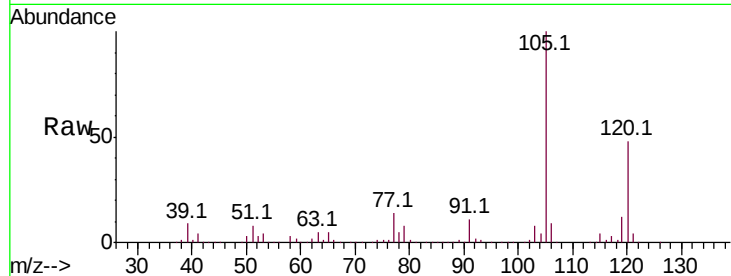




#82
4-Chlorotoluene
Concen: 5.947 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

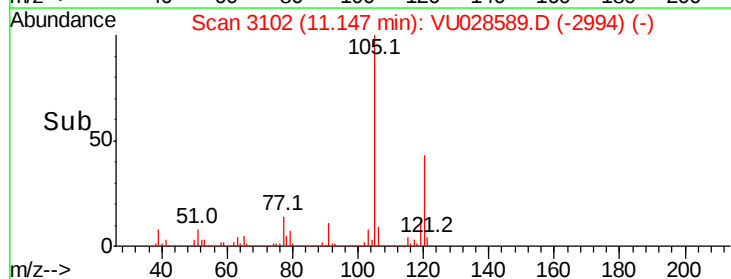
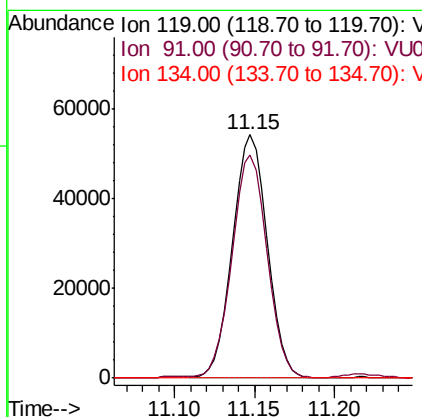
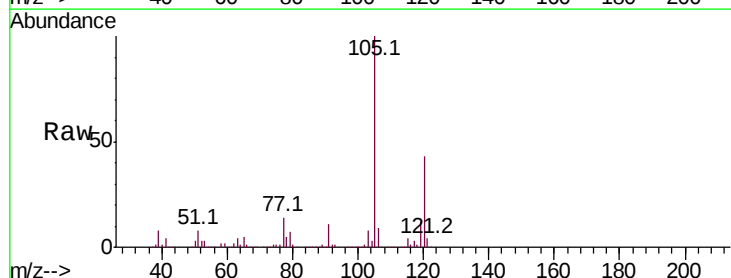
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

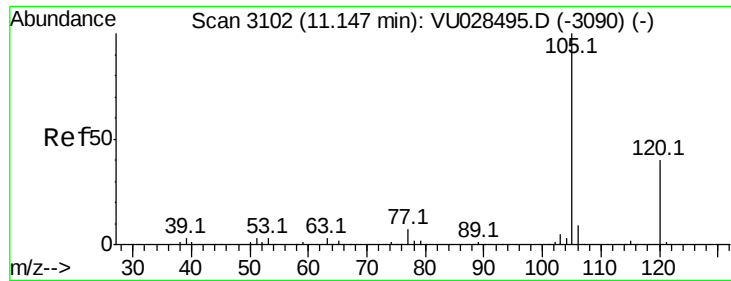
Tot Ion: 91 Resp: 24164
Ion Ratio Lower Upper
91 100
126 0.3 14.1 42.3#



#83
tert-Butylbenzene
Concen: 20.812 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.05 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion: 119 Resp: 79550
Ion Ratio Lower Upper
119 100
91 92.3 30.3 91.0#
134 0.0 11.2 33.5#

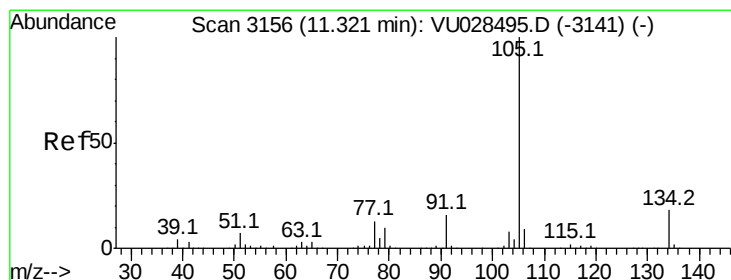
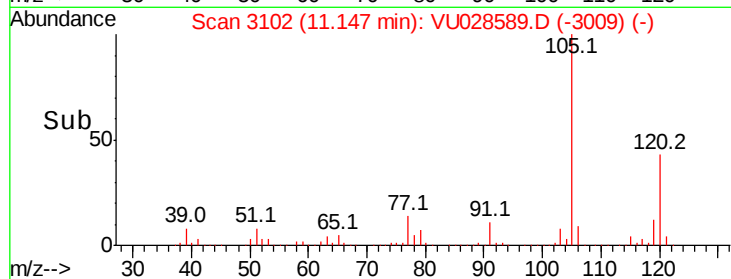
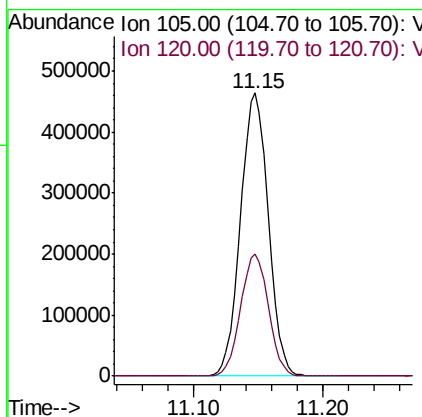
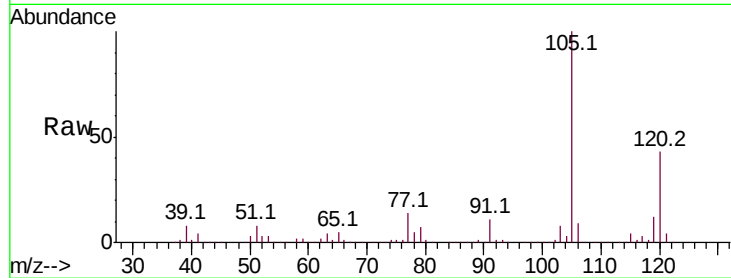




#84
 1,2,4-Trimethylbenzene
 Concen: 170.135 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028589.D
 Acq: 11 Dec 2018 07:17

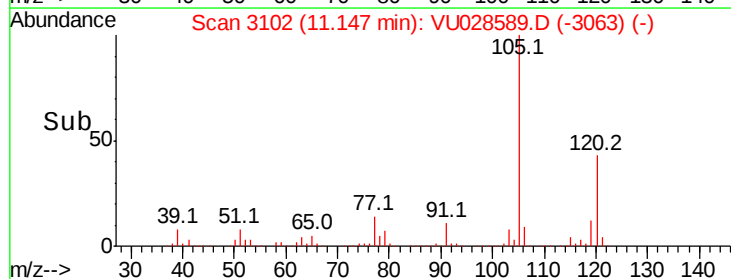
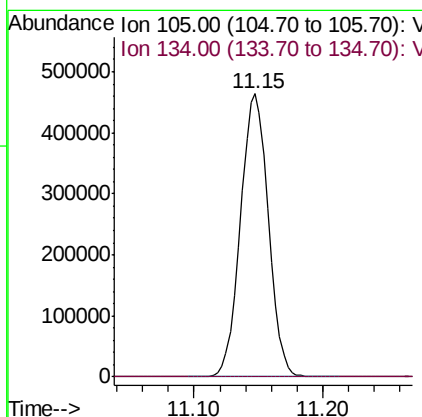
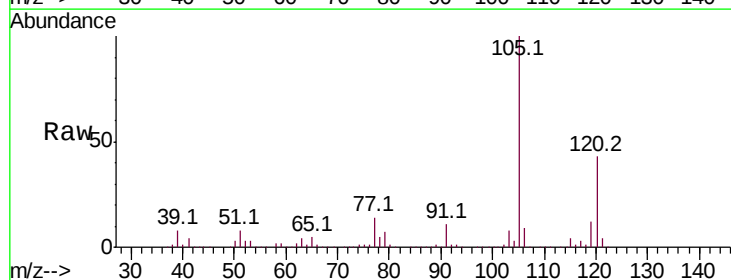
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01

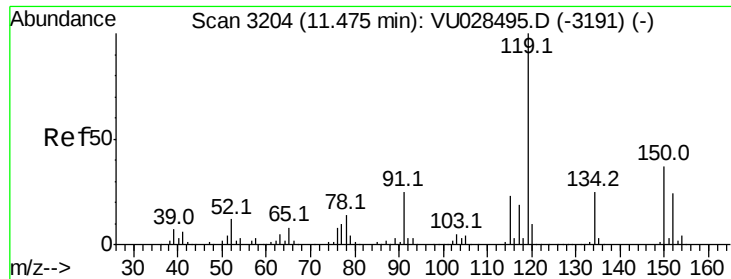
Tot Ion:105 Resp: 695331
 Ion Ratio Lower Upper
 105 100
 120 43.3 21.8 65.4



#85
 sec-Butylbenzene
 Concen: 141.601 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.17 min
 Lab File: VU028589.D
 Acq: 11 Dec 2018 07:17

Tgt Ion:105 Resp: 695331
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.2 27.6#

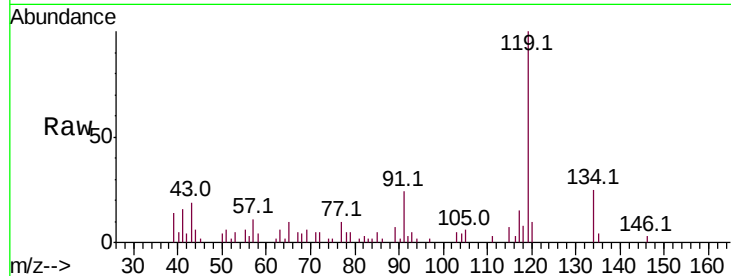




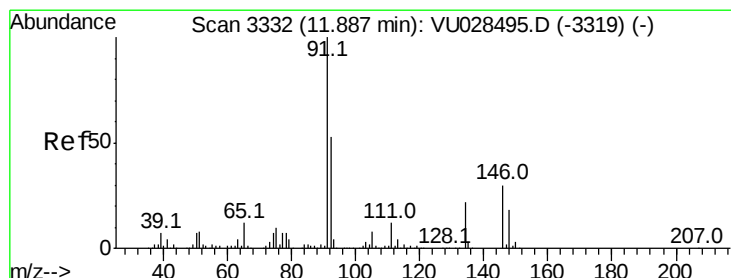
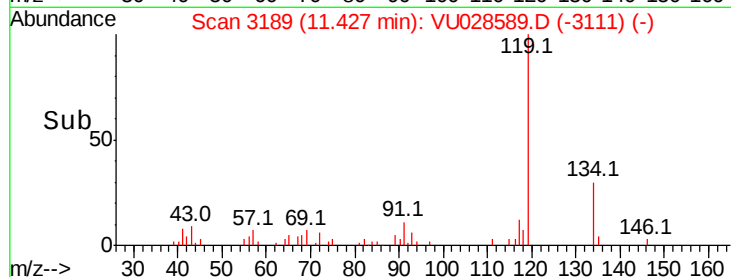
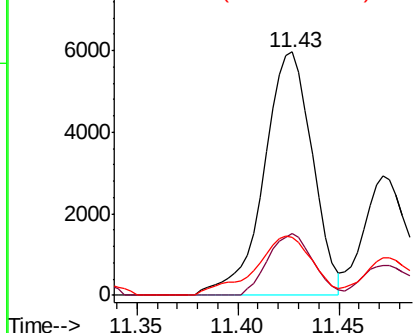
#86
p-Isopropyltoluene
Concen: 2.383 ug/l
RT: 11.43 min Scan# 3189
Delta R.T. -0.05 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

Tot Ion:119 Resp: 9939
Ion Ratio Lower Upper
119 100
134 23.6 12.7 38.1
91 28.8 12.6 37.6

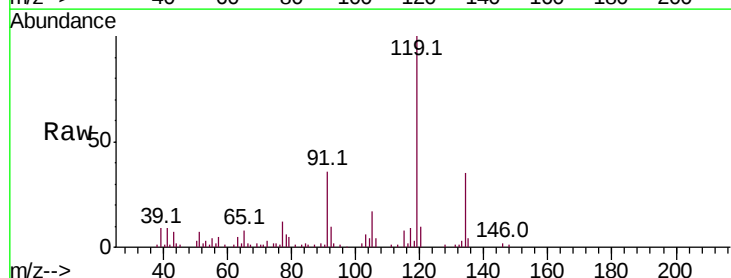


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

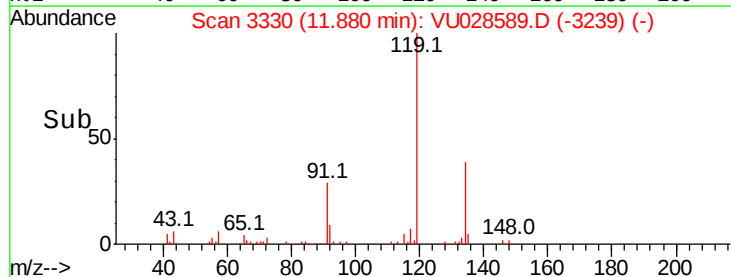
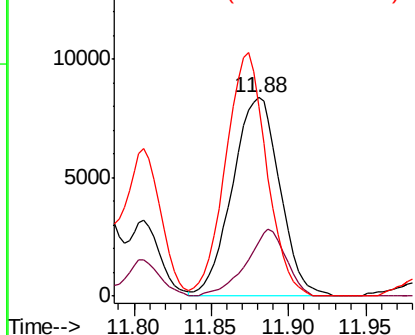


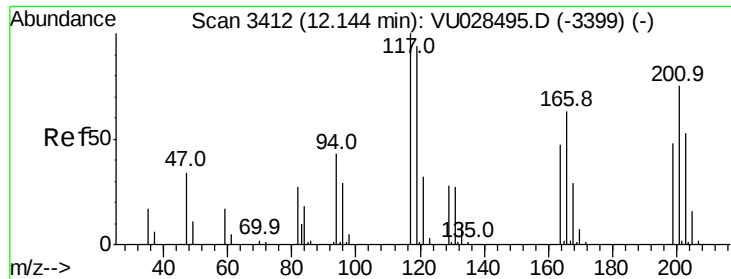
#89
n-Butylbenzene
Concen: 4.244 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. -0.01 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion: 91 Resp: 17916
Ion Ratio Lower Upper
91 100
92 28.3 26.3 78.9
134 105.7 11.3 33.8#



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

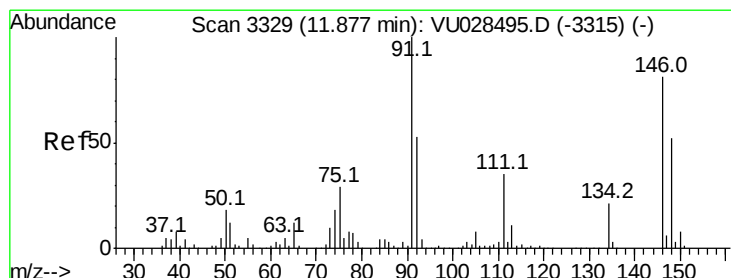
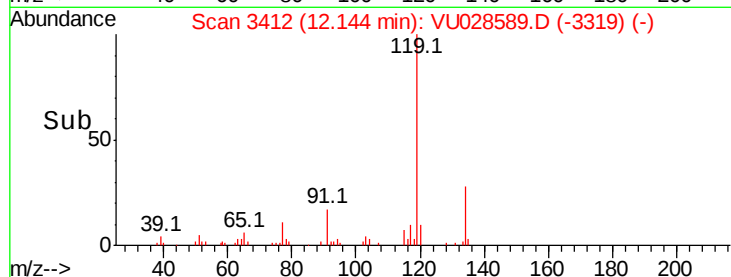
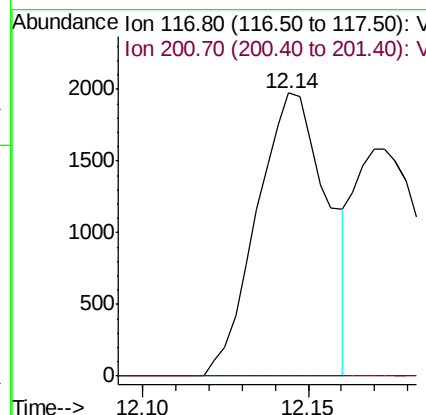
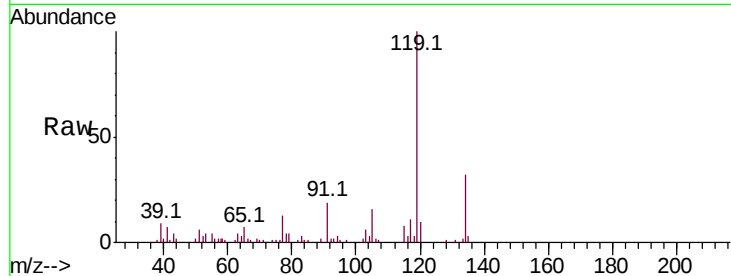




#90
Hexachloroethane
Concen: 4.641 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

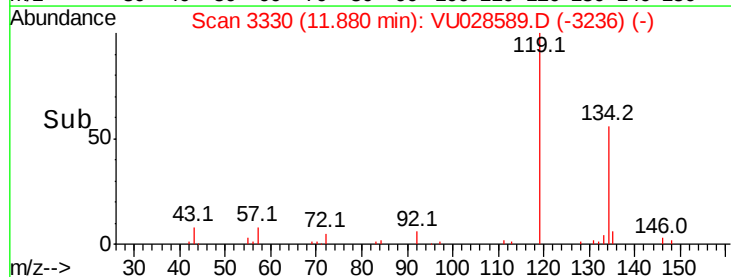
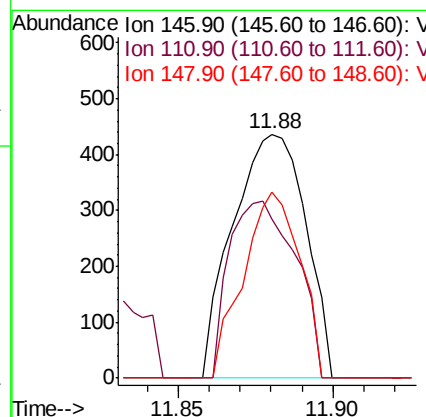
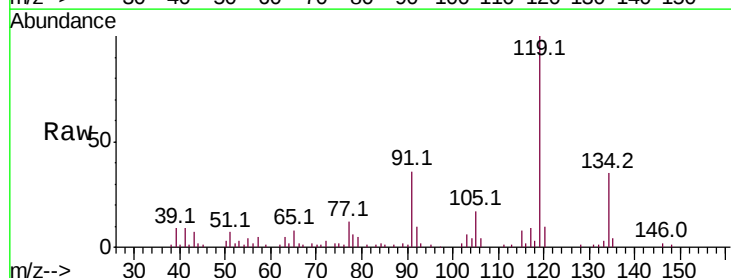
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

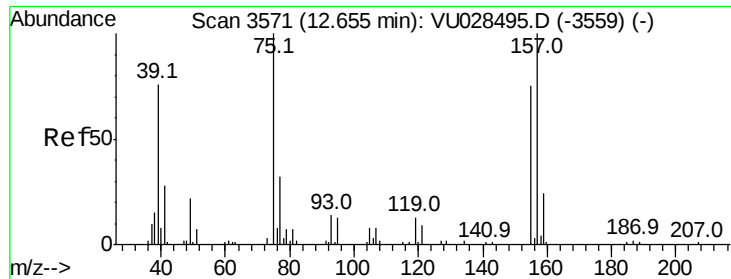
Tot Ion:117 Resp: 2926
Ion Ratio Lower Upper
117 100
201 0.0 38.1 114.5#



#91
1,2-Dichlorobenzene
Concen: 0.338 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion:146 Resp: 715
Ion Ratio Lower Upper
146 100
111 66.6 21.1 63.4#
148 59.4 31.4 94.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.454 ug/l

RT: 12.65 min Scan# 3569

Delta R.T. -0.01 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01

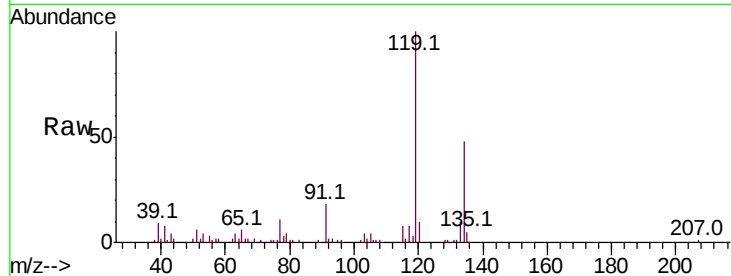
Tot Ion: 75 Resp: 181

Ion Ratio Lower Upper

75 100

155 0.0 38.1 114.5#

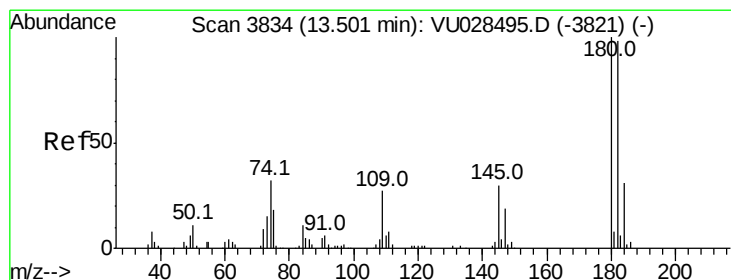
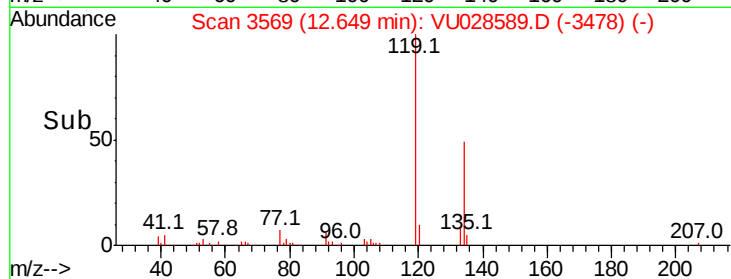
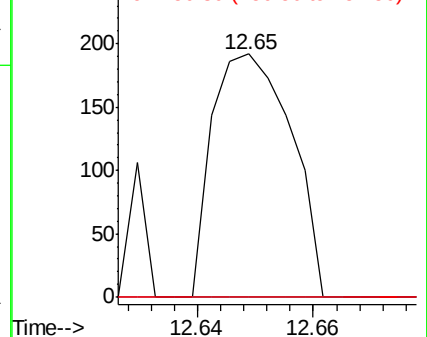
157 0.0 48.7 146.1#



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-3559) (-)

Ion 154.80 (154.50 to 155.50): VU028495.D (-3559) (-)

Ion 156.80 (156.50 to 157.50): VU028495.D (-3559) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.400 ug/l

RT: 13.50 min Scan# 3833

Delta R.T. -0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

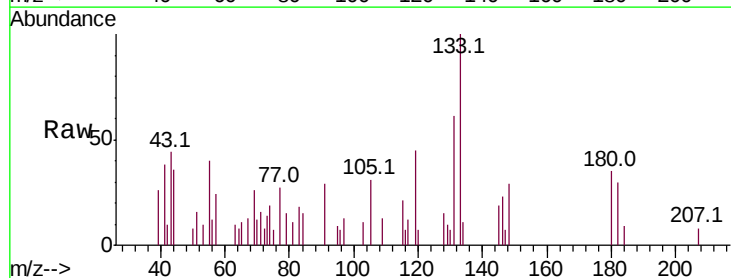
Tgt Ion:180 Resp: 823

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.8

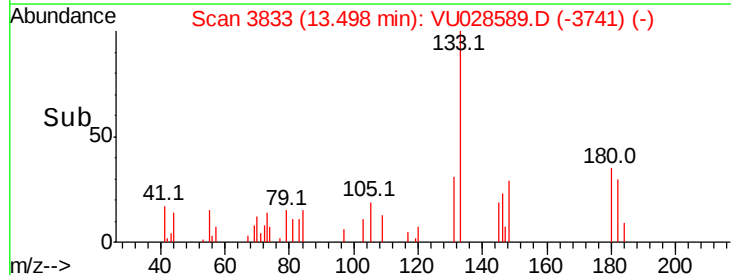
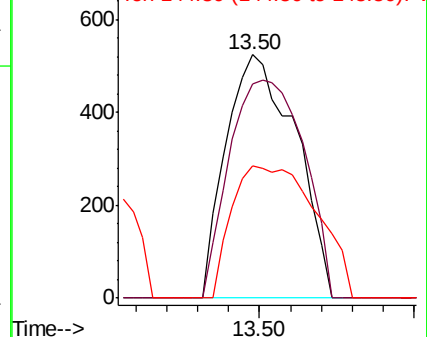
145 65.5 15.0 45.1#

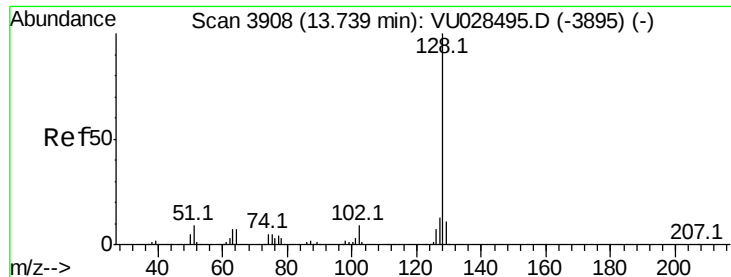


Abundance Ion 179.80 (179.50 to 180.50): VU028495.D (-3821) (-)

Ion 181.80 (181.50 to 182.50): VU028495.D (-3821) (-)

Ion 144.80 (144.50 to 145.50): VU028495.D (-3821) (-)

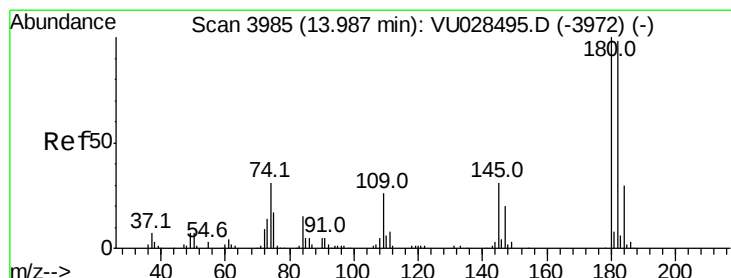
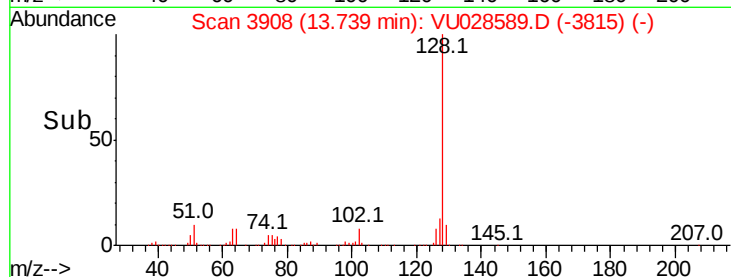
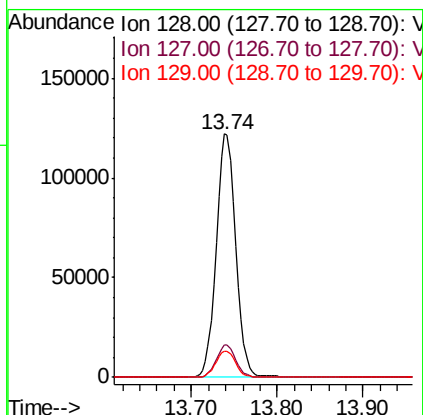
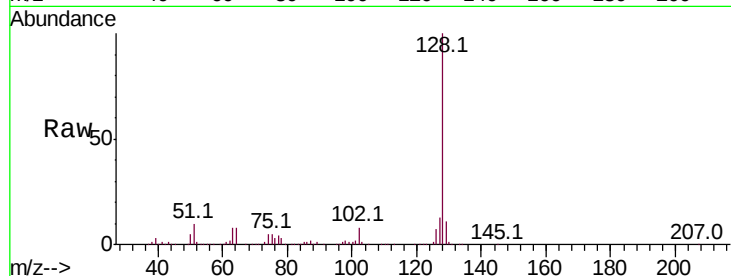




#95
Naphthalene
Concen: 37.959 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

Tot Ion:128 Resp: 192767
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.698 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion:180 Resp: 801
Ion Ratio Lower Upper
180 100
182 108.2 48.2 144.6
145 7.0 15.8 47.3#

