

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028591.D
 Acq On : 11 Dec 2018 08:05
 Operator : MD/SY
 Sample : J6305-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW003-01

Quant Time: Dec 11 11:40:15 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	85452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	158174	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	141501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	59679	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	72173	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	
35) Dibromofluoromethane	4.88	113	53025	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
50) Toluene-d8	7.56	98	207009	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	10.30	95	70492	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1813	0.861	ug/l	100
4) Vinyl Chloride	1.52	62	869	0.572	ug/l #	67
5) Bromomethane	1.61	94	171	0.279	ug/l #	4
7) Trichlorofluoromethane	1.88	101	572	0.358	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.08	101	1165	1.218	ug/l #	20
11) Tert butyl alcohol	2.83	59	24092	82.922	ug/l #	83
13) Acrolein	2.19	56	458	1.977	ug/l #	1
14) Allyl chloride	2.55	41	28820	12.805	ug/l #	44
15) Acrylonitrile	2.94	53	3076	3.813	ug/l	90
16) Acetone	2.32	43	189360	222.526	ug/l	100
18) Methyl Acetate	2.71	43	10536	4.776	ug/l #	56
19) Methyl tert-butyl Ether	3.00	73	913	0.253	ug/l #	1
25) 2-Butanone	4.26	43	72937	62.719	ug/l	99
26) 2,2-Dichloropropane	4.20	77	3312	1.824	ug/l #	54
29) Tetrahydrofuran	4.64	42	12395	16.596	ug/l	97
31) Cyclohexane	4.99	56	45939	19.825	ug/l	95
36) 1,1-Dichloropropene	4.98	75	7840	4.530	ug/l #	47
37) Ethyl Acetate	4.26	43	73526	32.861	ug/l #	70
38) Carbon Tetrachloride	4.98	117	8740	6.265	ug/l #	16
39) Methylcyclohexane	6.41	83	37715	17.861	ug/l	99
40) Benzene	5.39	78	70994	13.926	ug/l	96
41) Methacrylonitrile	4.57	41	4834	3.945	ug/l #	67
42) 1,2-Dichloroethane	5.39	62	674	0.378	ug/l #	76
43) Isopropyl Acetate	5.54	43	2145	0.606	ug/l #	62
48) Methyl methacrylate	6.64	41	3308	1.880	ug/l #	56
49) 1,4-Dioxane	6.61	88	2605	93.740	ug/l #	84
51) 4-Methyl-2-Pentanone	7.46	43	27109	12.145	ug/l	99
52) Toluene	7.64	92	175983	58.658	ug/l	99
53) t-1,3-Dichloropropene	7.64	75	1919	0.973	ug/l #	1
55) 1,1,2-Trichloroethane	8.04	97	2262	1.907	ug/l #	18
56) Ethyl methacrylate	8.04	69	681	0.335	ug/l #	57
59) 2-Hexanone	8.37	43	4034	2.280	ug/l	93
67) Ethyl Benzene	9.25	91	108332	19.544	ug/l	98
68) m/p-Xylenes	9.37	106	131167	65.032	ug/l	95

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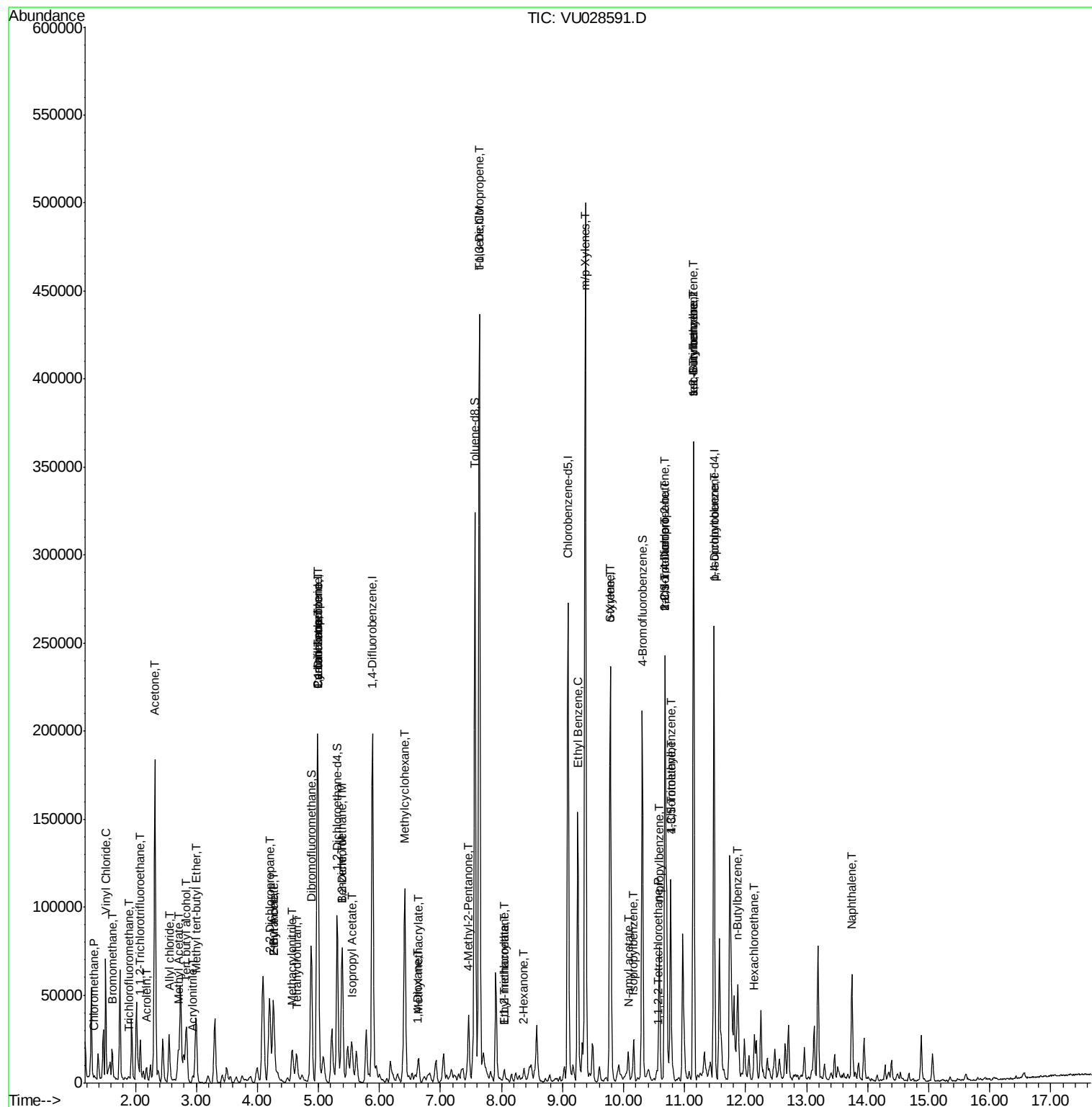
69) o-Xylene	9.78	106	48673	24.832	ug/l	98
70) Styrene	9.79	104	39552	12.193	ug/l	89
73) Isopropylbenzene	10.17	105	11532	2.518	ug/l	100
74) N-amy1 acetate	10.07	43	2415	0.914	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	10.55	83	436	0.248	ug/l #	36
76) 1,2,3-Trichloropropane	10.68	75	1169	0.767	ug/l #	1
78) n-propylbenzene	10.58	91	54223	9.529	ug/l	100
79) 2-Chlorotoluene	10.68	91	25383	7.744	ug/l #	43
80) 1,3,5-Trimethylbenzene	10.77	105	58040	15.311	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.68	75	1169	2.390	ug/l #	100
82) 4-Chlorotoluene	10.77	91	6814	1.754	ug/l #	47
83) tert-Butylbenzene	11.15	119	22648	6.199	ug/l #	62
84) 1,2,4-Trimethylbenzene	11.15	105	189250	48.444	ug/l	99
85) sec-Butylbenzene	11.15	105	189250	40.319	ug/l #	59
86) p-Isopropyltoluene	11.48	119	1681	0.422	ug/l	86
89) n-Butylbenzene	11.88	91	10043	2.489	ug/l #	34
90) Hexachloroethane	12.15	117	1432	2.376	ug/l #	11
95) Naphthalene	13.74	128	45249	9.322	ug/l	100

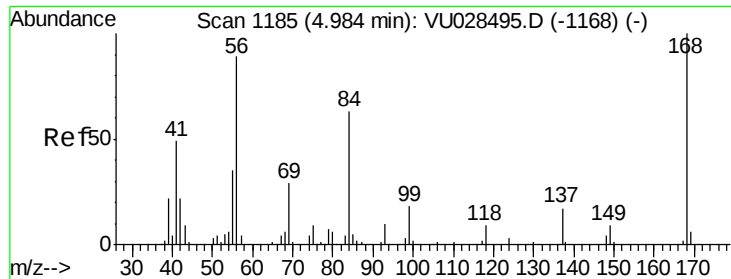
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Instrument :

MSVOA_U

ClientSampleId :

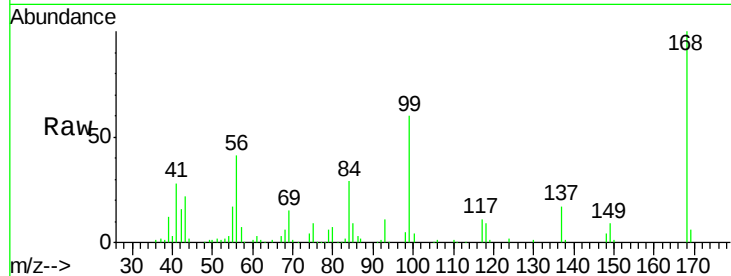
P001-SW003-01

Tot Ion:168 Resp: 85452

Ion Ratio Lower Upper

168 100

99 60.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

4.98

40000

30000

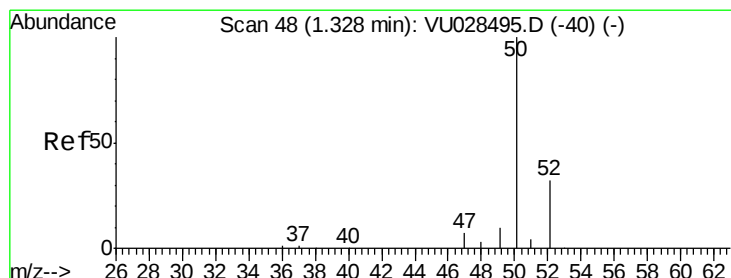
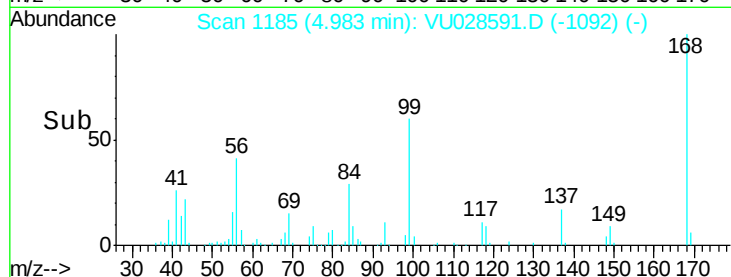
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#3

Chloromethane

Concen: 0.861 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028591.D

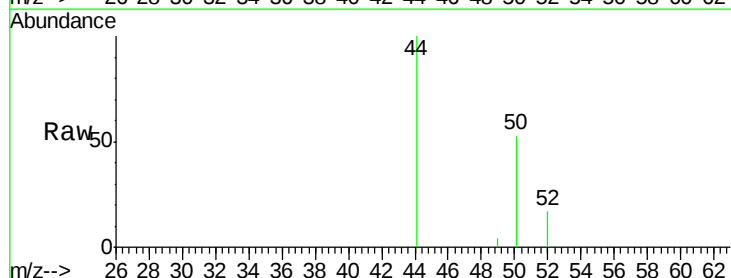
Acq: 11 Dec 2018 08:05

Tgt Ion: 50 Resp: 1813

Ion Ratio Lower Upper

50 100

52 31.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

1500

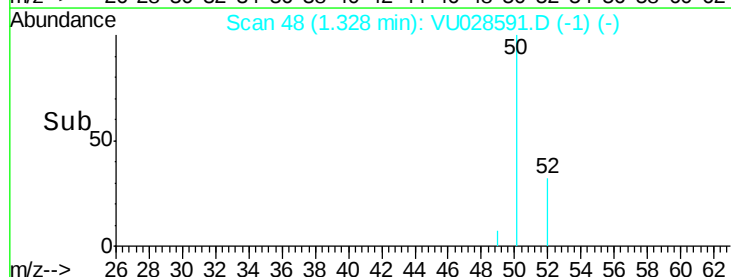
1000

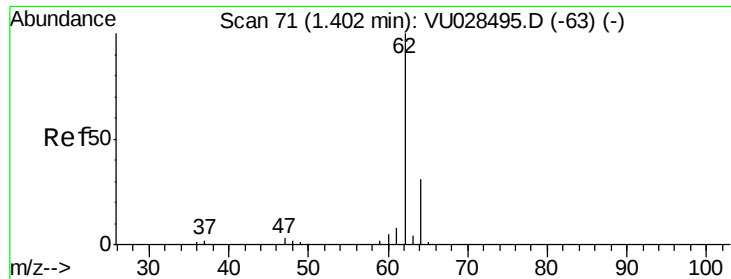
500

0

1.30 1.35

Time-->





#4

Vinyl Chloride

Concen: 0.572 ug/l

RT: 1.52 min Scan# 107

Delta R.T. 0.12 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Instrument :

MSVOA_U

ClientSampleId :

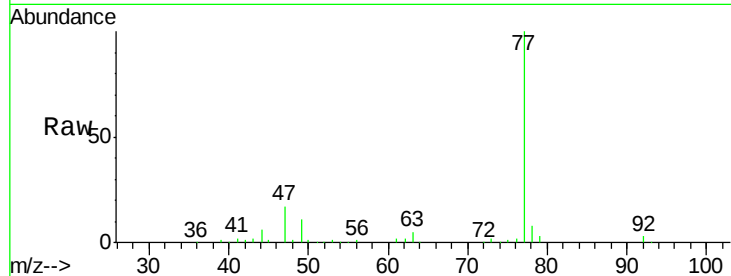
P001-SW003-01

Tot Ion: 62 Resp: 869

Ion Ratio Lower Upper

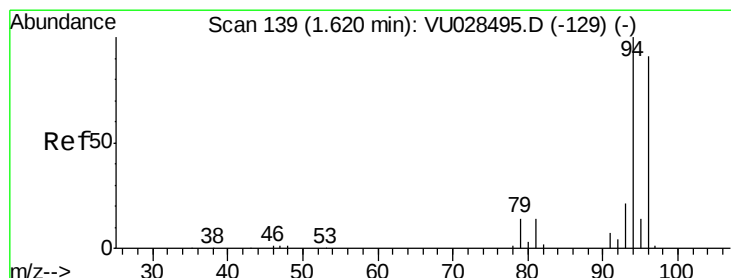
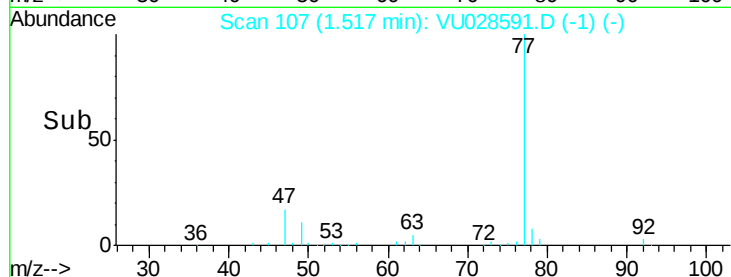
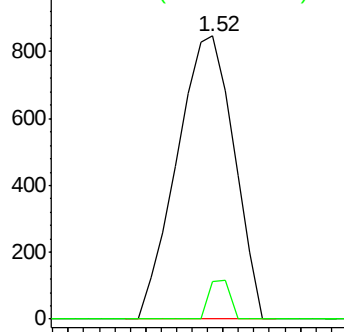
62 100

64 13.1 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.279 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.01 min

Lab File: VU028591.D

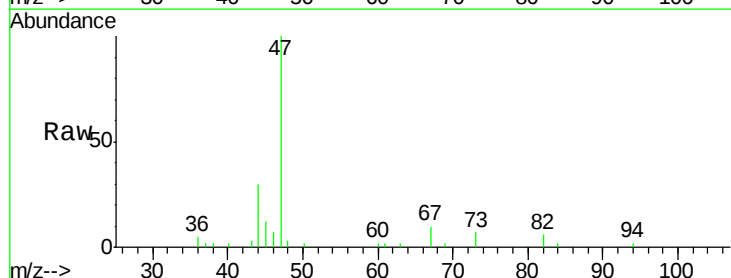
Acq: 11 Dec 2018 08:05

Tgt Ion: 94 Resp: 171

Ion Ratio Lower Upper

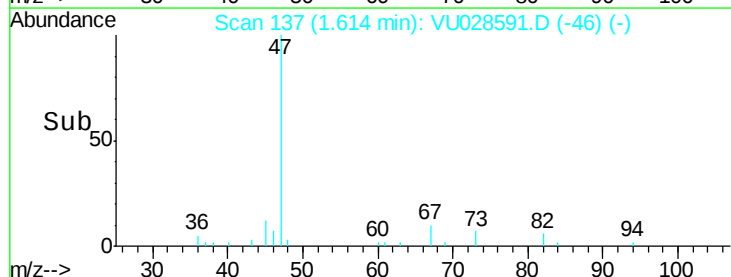
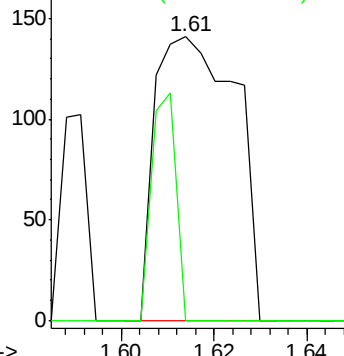
94 100

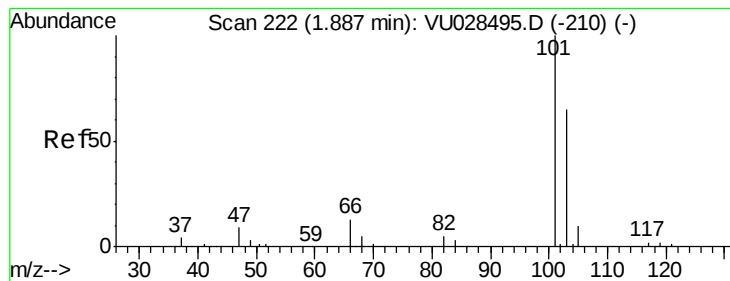
96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#7

Trichlorofluoromethane

Concen: 0.358 ug/l

RT: 1.88 min Scan# 220

Delta R.T. -0.01 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Instrument :

MSVOA_U

ClientSampleId :

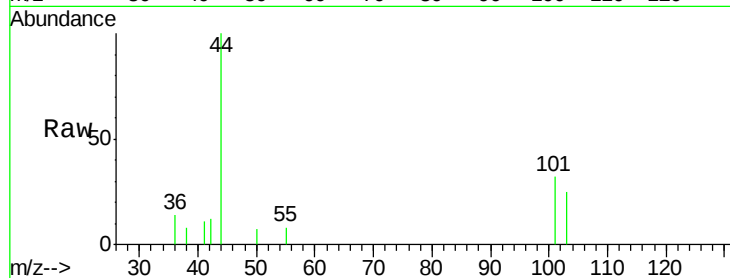
P001-SW003-01

Tot Ion:101 Resp: 572

Ion Ratio Lower Upper

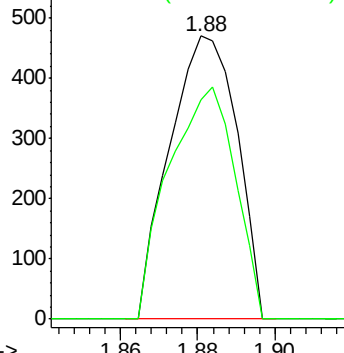
101 100

103 77.4 52.3 78.5

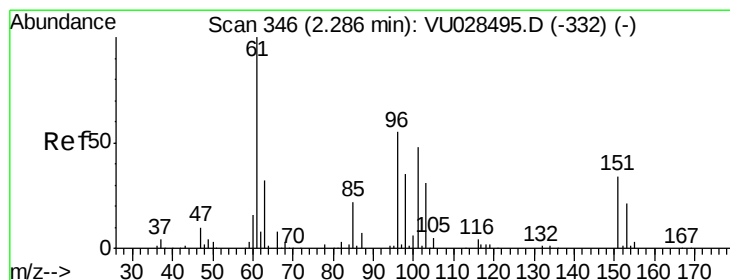
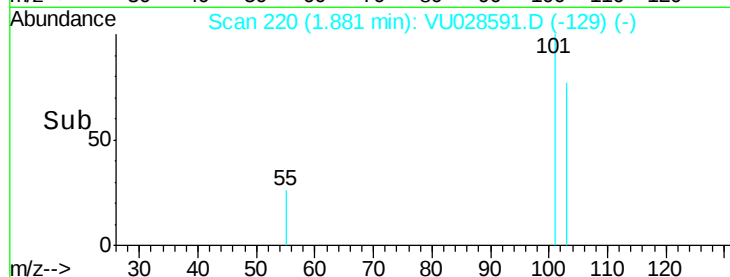


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.218 ug/l

RT: 2.08 min Scan# 282

Delta R.T. -0.21 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

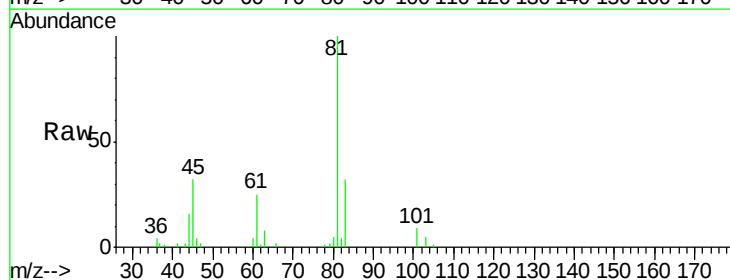
Tgt Ion:101 Resp: 1165

Ion Ratio Lower Upper

101 100

85 0.0 36.4 54.6#

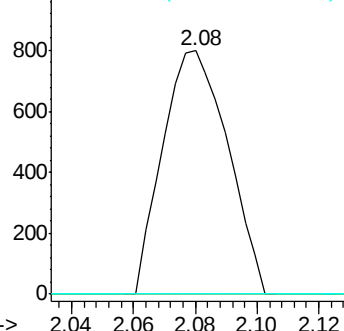
151 0.0 58.2 87.2#



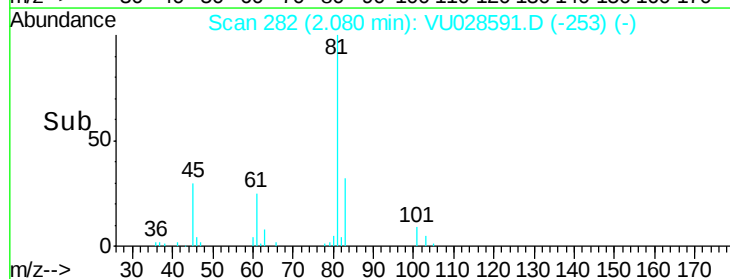
Abundance Ion 100.90 (100.60 to 101.60): V

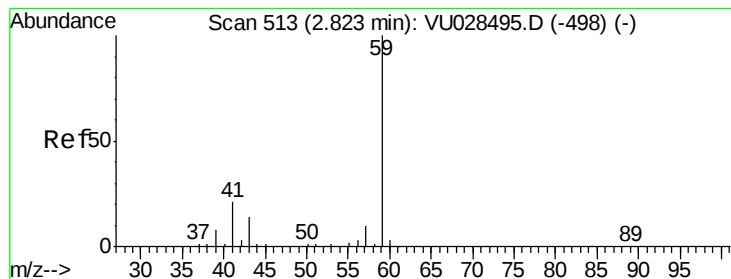
Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



Time-->





#11

Tert butyl alcohol

Concen: 82.922 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.01 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Instrument :

MSVOA_U

ClientSampleId :

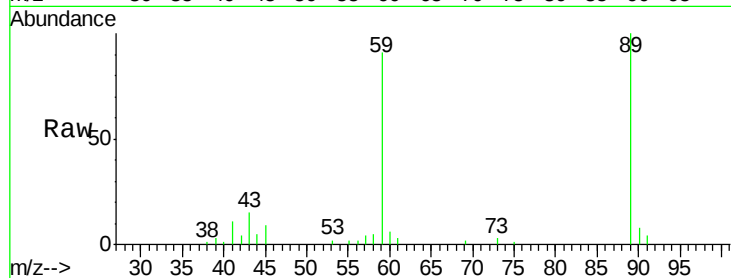
P001-SW003-01

Tot Ion: 59 Resp: 24092

Ion Ratio Lower Upper

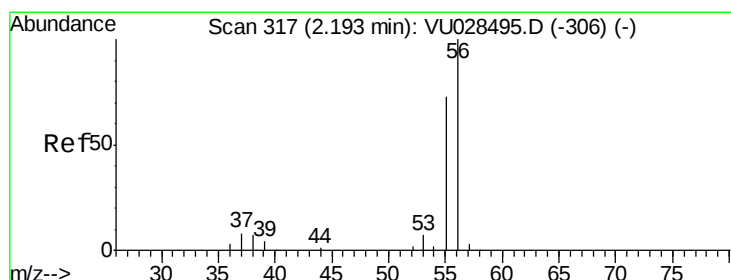
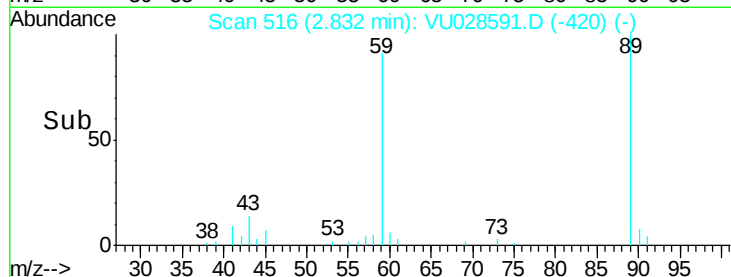
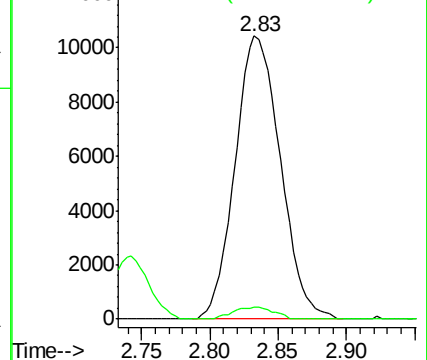
59 100

57 3.7 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: 1.977 ug/l

RT: 2.19 min Scan# 316

Delta R.T. -0.00 min

Lab File: VU028591.D

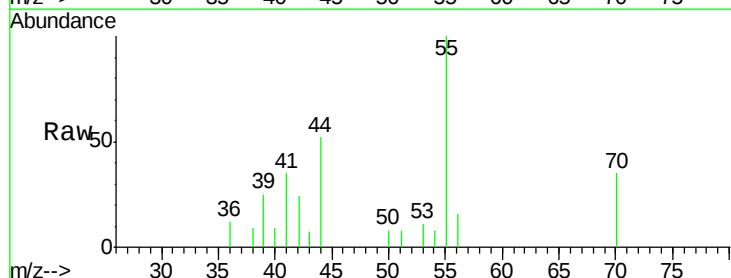
Acq: 11 Dec 2018 08:05

Tgt Ion: 56 Resp: 458

Ion Ratio Lower Upper

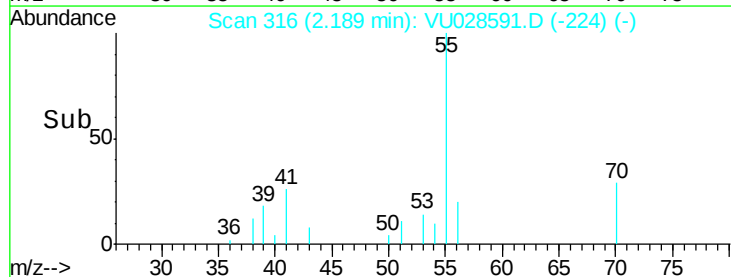
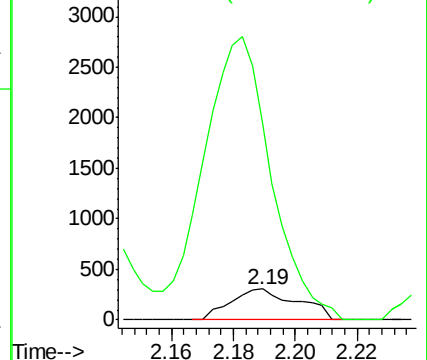
56 100

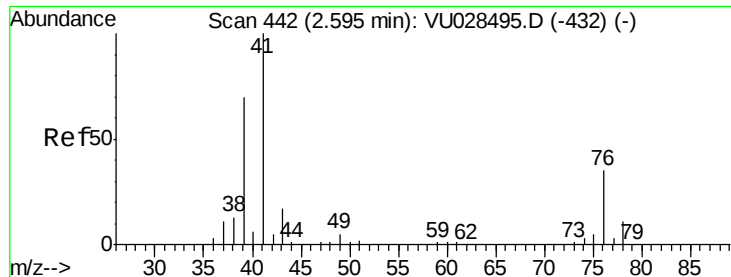
55 922.3 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

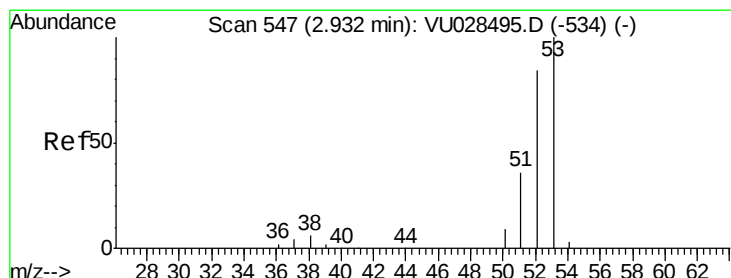
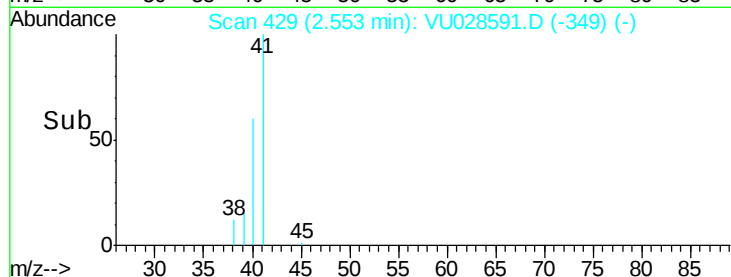
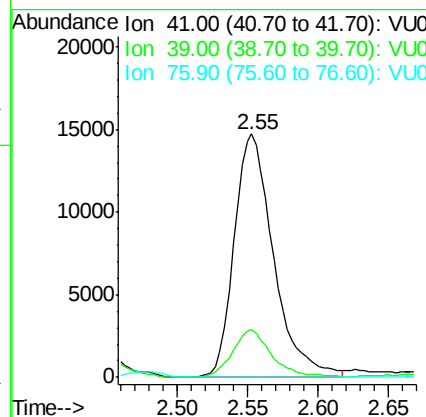
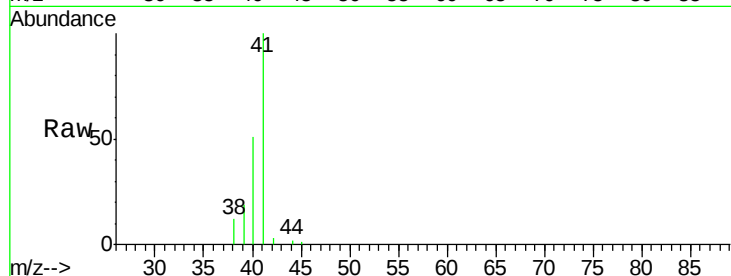




#14
 Allvl chloride
 Concen: 12.805 ug/l
 RT: 2.55 min Scan# 429
 Delta R.T. -0.04 min
 Lab File: VU028591.D
 Acq: 11 Dec 2018 08:05

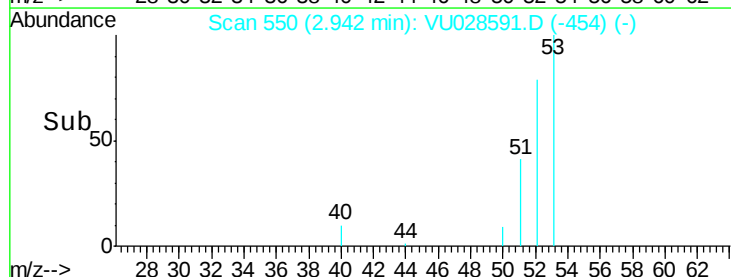
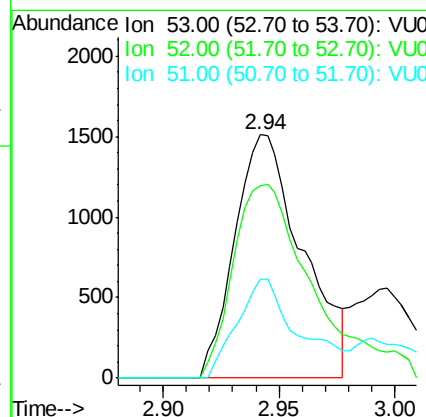
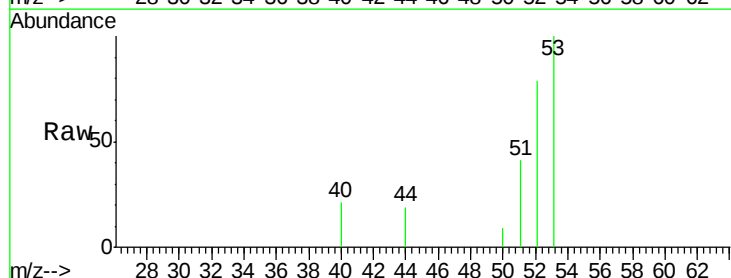
Instrument :
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 P001-SW003-01

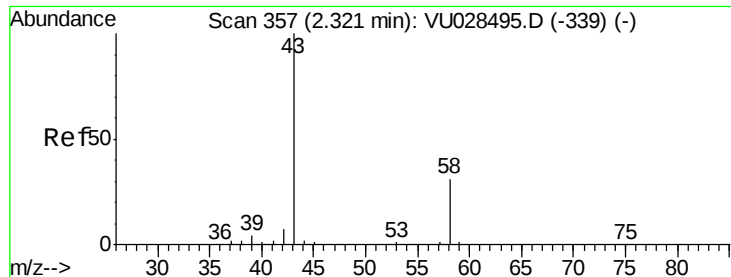
Tot Ion: 41 Resp: 28820
 Ion Ratio Lower Upper
 41 100
 39 19.5 50.8 76.2#
 76 0.0 24.8 37.2#



#15
 Acrylonitrile
 Concen: 3.813 ug/l
 RT: 2.94 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: VU028591.D
 Acq: 11 Dec 2018 08:05

Tgt Ion: 53 Resp: 3076
 Ion Ratio Lower Upper
 53 100
 52 93.7 66.1 99.1
 51 37.1 28.1 42.1





#16

Acetone

Concen: 222.526 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Instrument :

MSVOA_U

ClientSampleId :

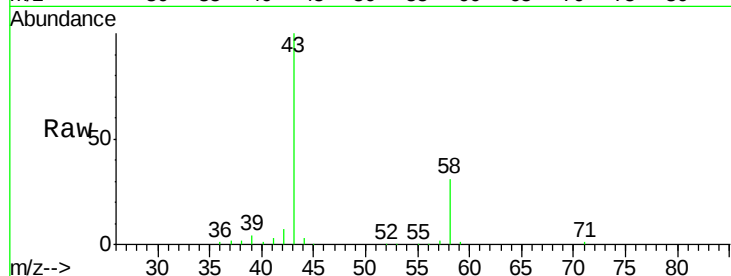
P001-SW003-01

Tot Ion: 43 Resp: 189360

Ion Ratio Lower Upper

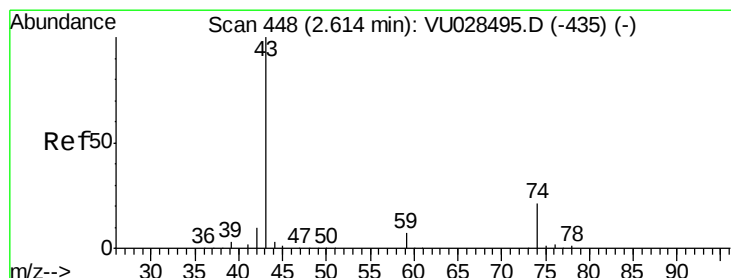
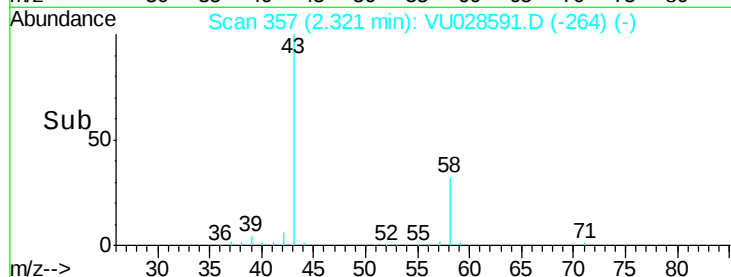
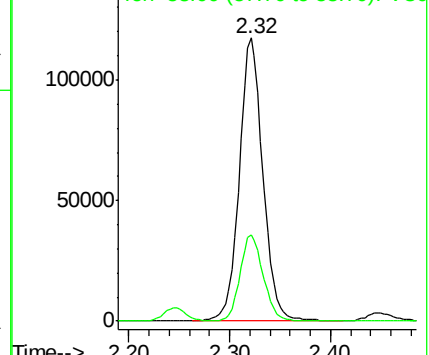
43 100

58 30.6 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 4.776 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.09 min

Lab File: VU028591.D

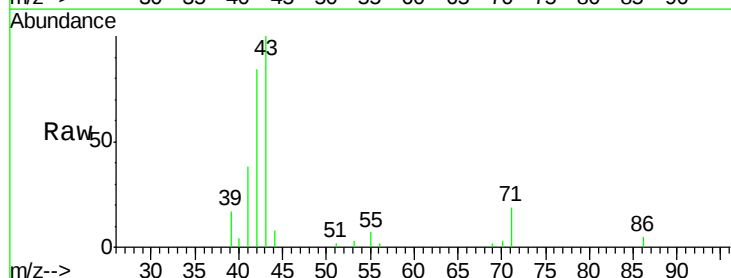
Acq: 11 Dec 2018 08:05

Tgt Ion: 43 Resp: 10536

Ion Ratio Lower Upper

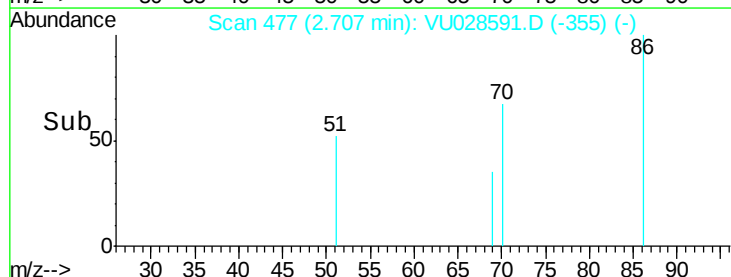
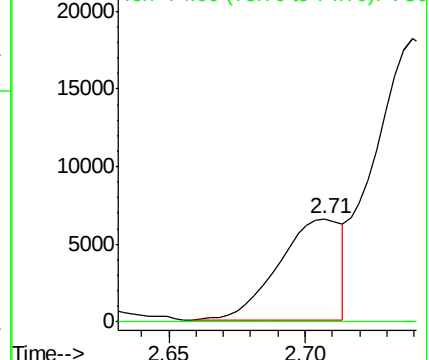
43 100

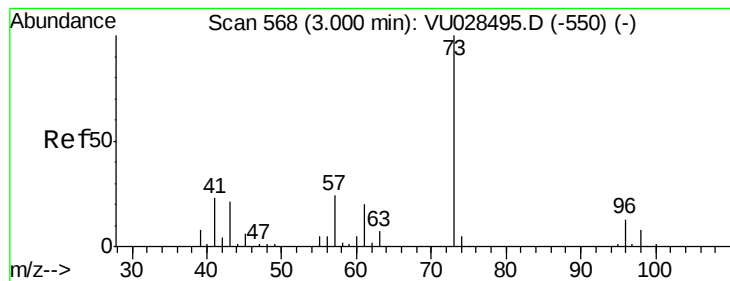
74 0.0 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#19

Methyl tert-butyl Ether

Concen: 0.253 ug/l

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Instrument :

MSVOA_U

ClientSampleId :

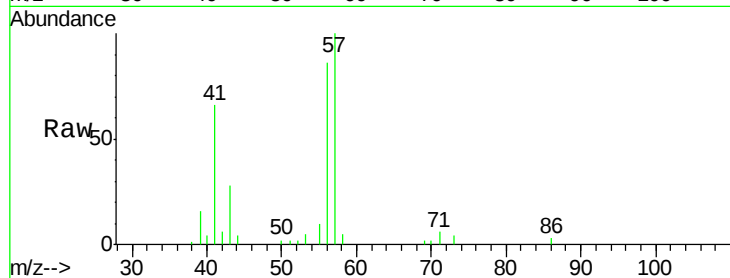
P001-SW003-01

Tot Ion: 73 Resp: 913

Ion Ratio Lower Upper

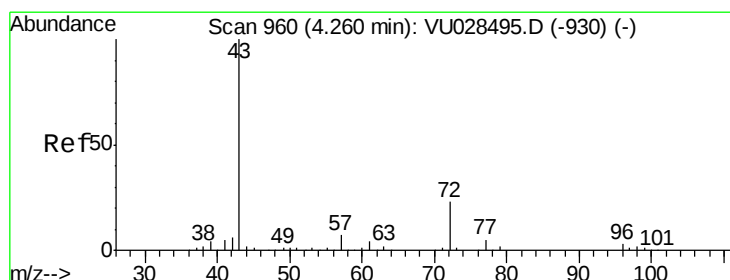
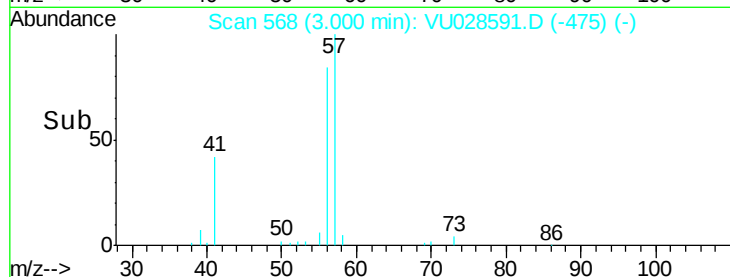
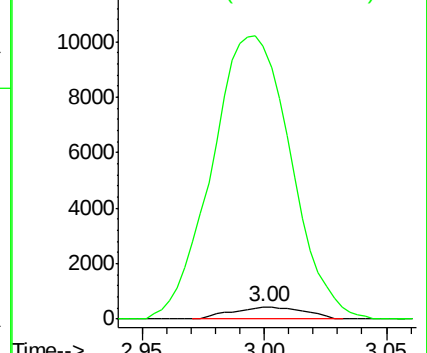
73 100

57 2138.3 19.4 29.2#



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#25

2-Butanone

Concen: 62.719 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028591.D

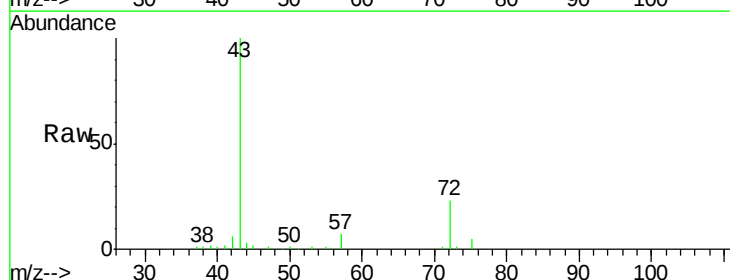
Acq: 11 Dec 2018 08:05

Tgt Ion: 43 Resp: 72937

Ion Ratio Lower Upper

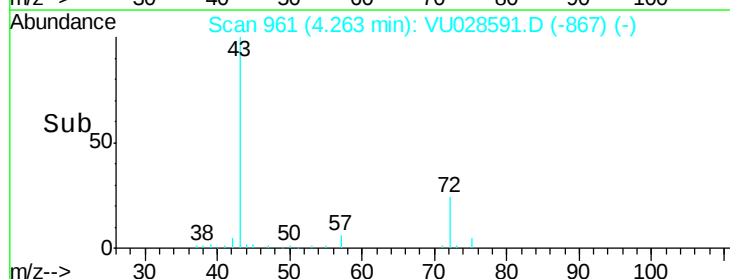
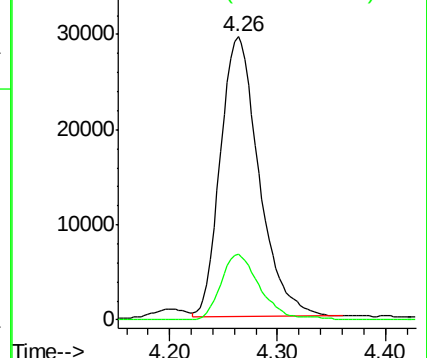
43 100

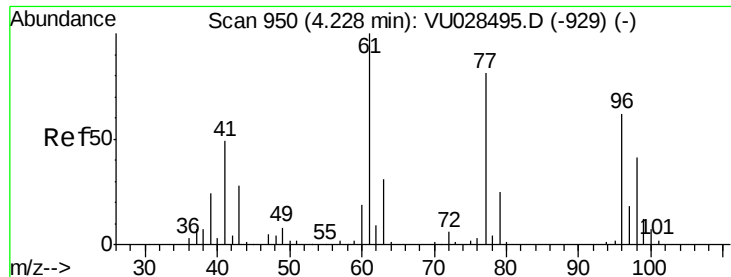
72 23.6 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

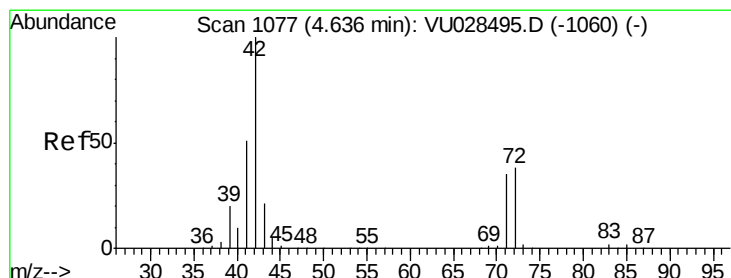
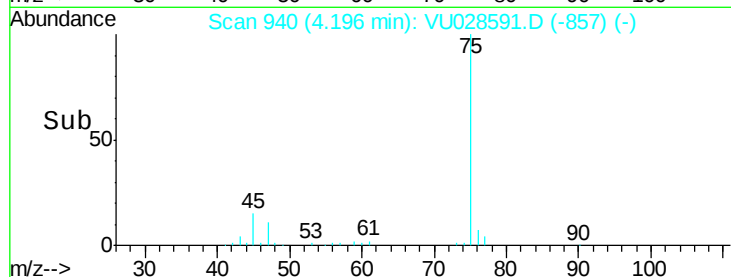
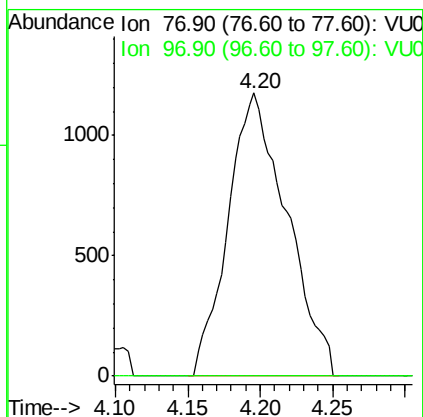
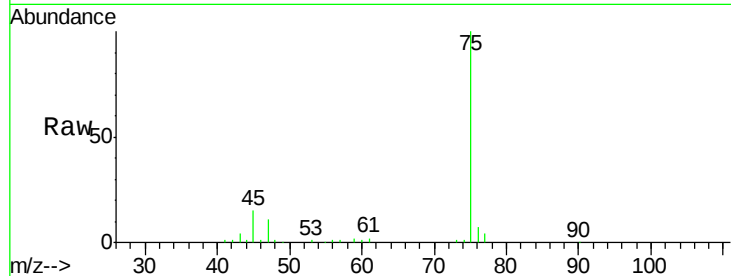




#26
 2,2-Dichloropropane
 Concen: 1.824 ug/l
 RT: 4.20 min Scan# 940
 Delta R.T. -0.03 min
 Lab File: VU028591.D
 Acq: 11 Dec 2018 08:05

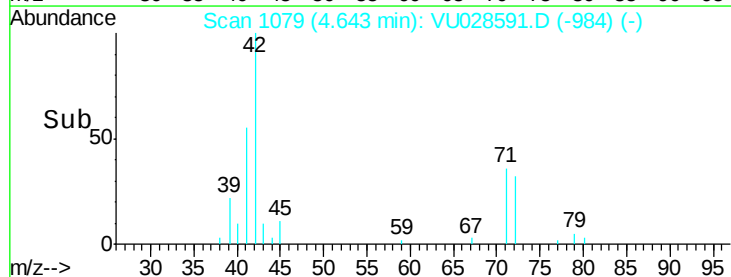
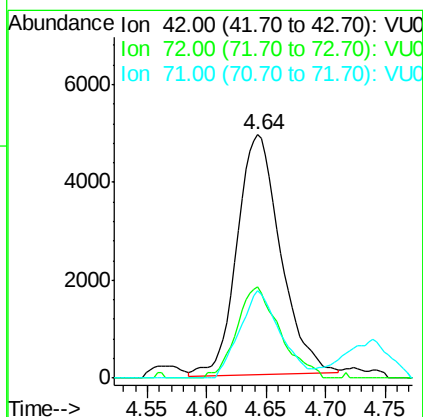
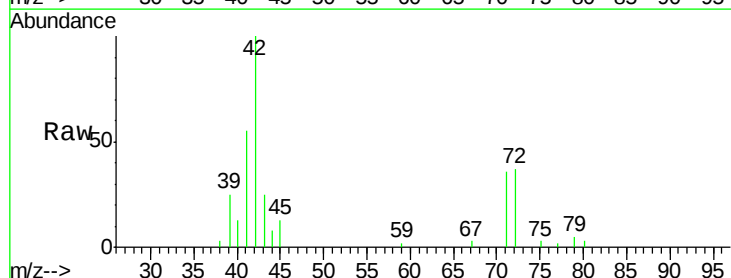
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW003-01

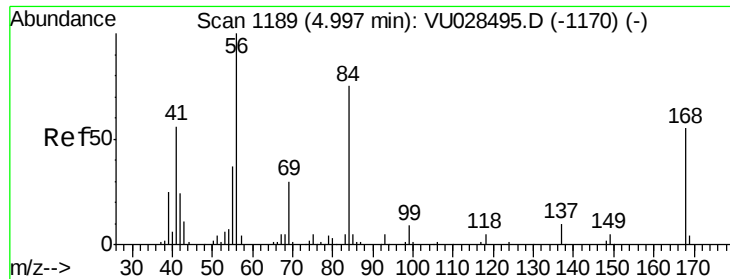
Tot Ion: 77 Resp: 3312
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.0 33.0#



#29
 Tetrahydrofuran
 Concen: 16.596 ug/l
 RT: 4.64 min Scan# 1079
 Delta R.T. 0.01 min
 Lab File: VU028591.D
 Acq: 11 Dec 2018 08:05

Tgt Ion: 42 Resp: 12395
 Ion Ratio Lower Upper
 42 100
 72 37.6 31.4 47.0
 71 33.8 28.6 43.0

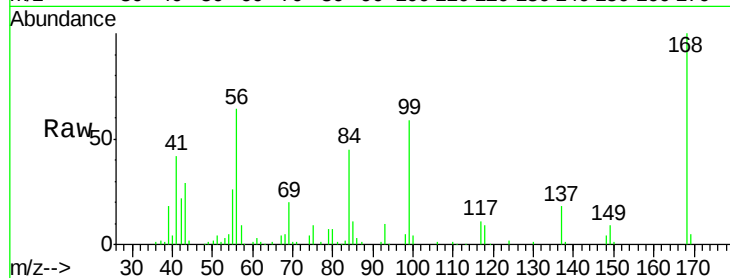




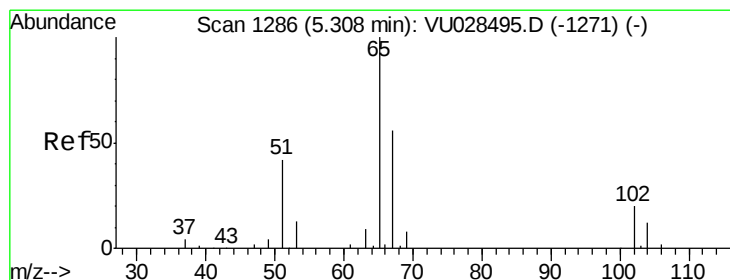
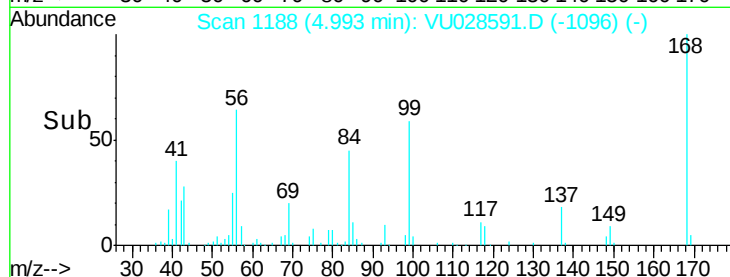
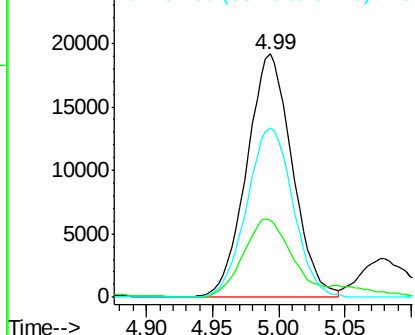
#31
Cyclohexane
Concen: 19.825 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

Instrument :
MSVOA_U
ClientSampleId :
P001-SW003-01

Tot Ion: 56 Resp: 45939
Ion Ratio Lower Upper
56 100
69 31.6 24.0 36.0
84 69.3 59.7 89.5

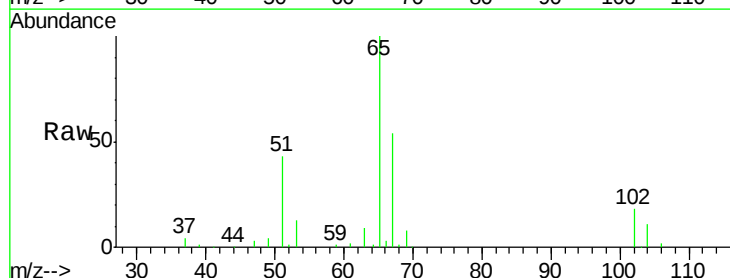


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

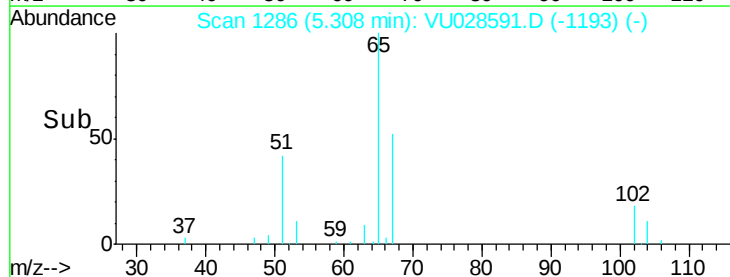
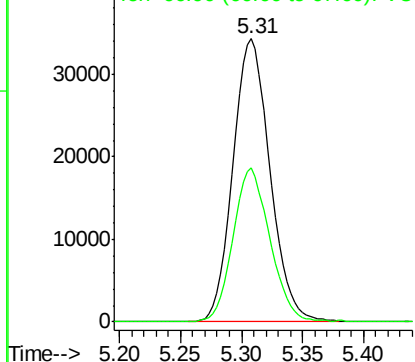


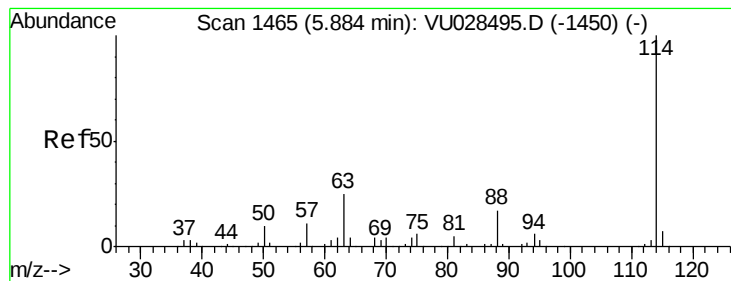
#33
1,2-Dichloroethane-d4
Concen: 55.345 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

Tgt Ion: 65 Resp: 72173
Ion Ratio Lower Upper
65 100
67 54.1 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: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Instrument :

MSVOA_U

ClientSampleId :

P001-SW003-01

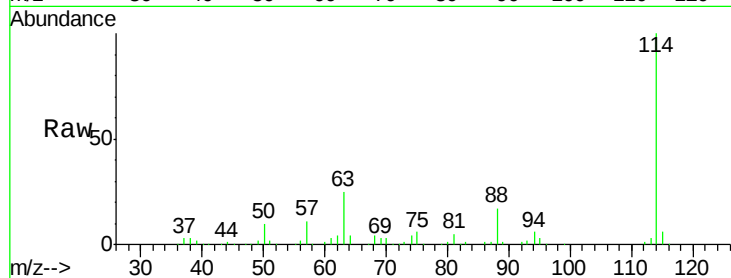
Tot Ion:114 Resp: 158174

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

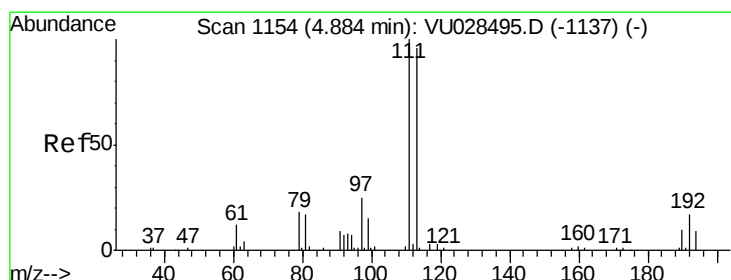
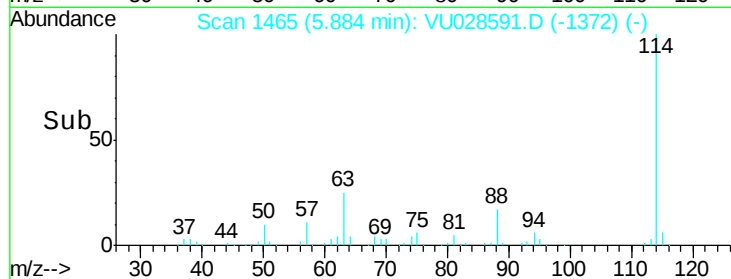
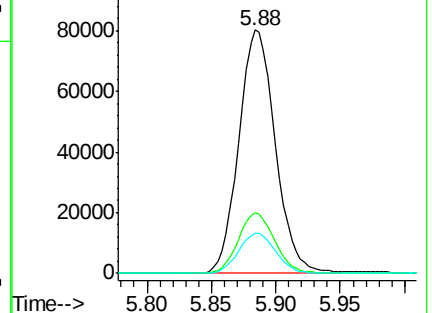
88 16.5 0.0 33.4



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: 53.270 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

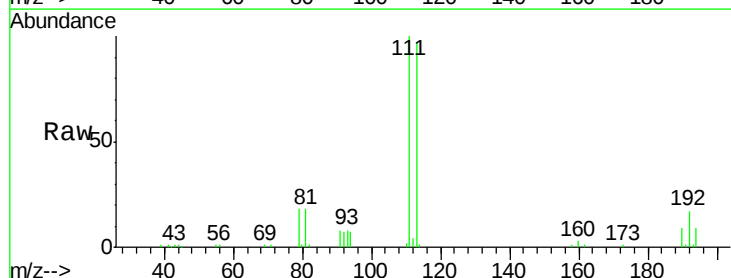
Tgt Ion:113 Resp: 53025

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.0

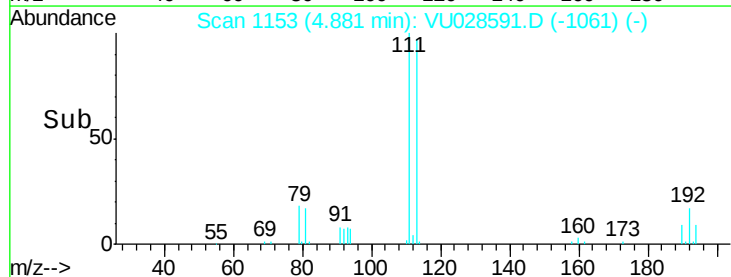
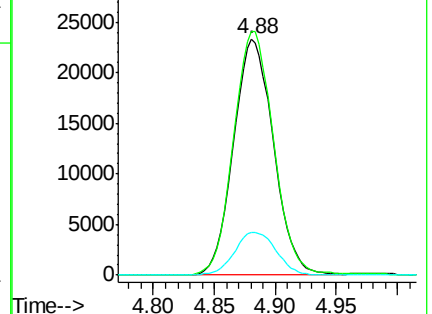
192 18.7 14.8 22.2

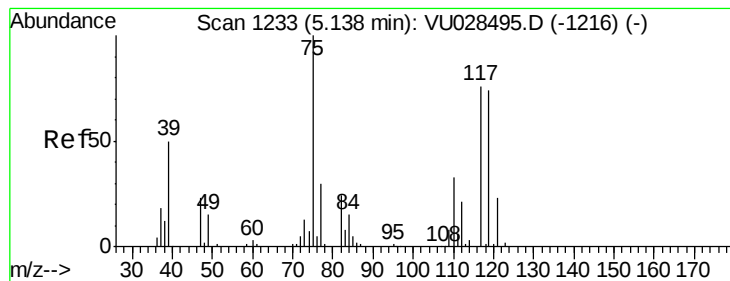


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.530 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Instrument :

MSVOA_U

ClientSampleId :

P001-SW003-01

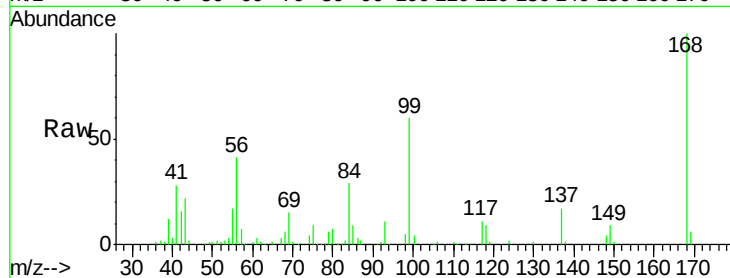
Tot Ion: 75 Resp: 7840

Ion Ratio Lower Upper

75 100

110 3.8 16.1 48.2#

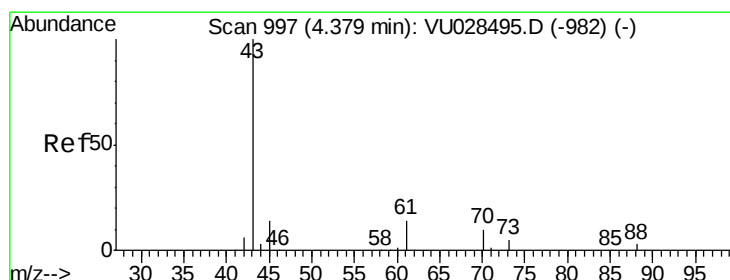
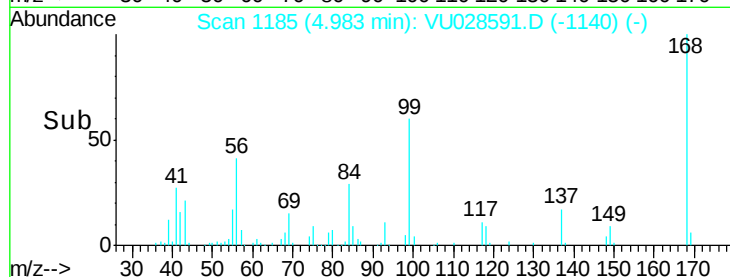
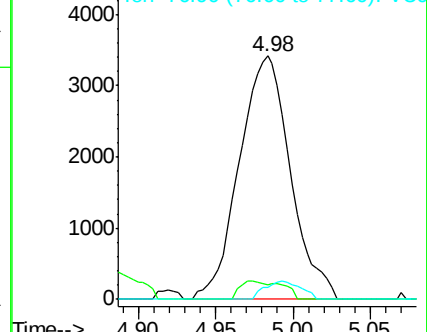
77 0.0 24.5 36.7#



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: 32.861 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.12 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

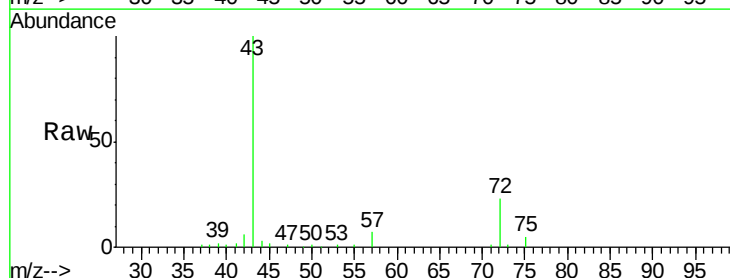
Tgt Ion: 43 Resp: 73526

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

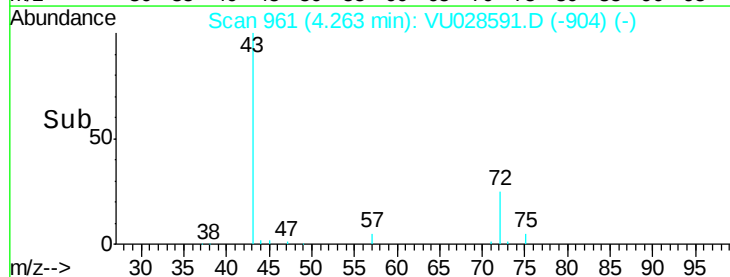
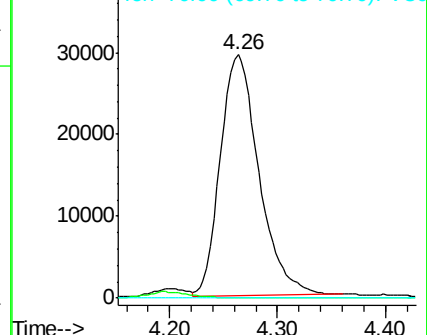
70 0.0 7.4 11.0#

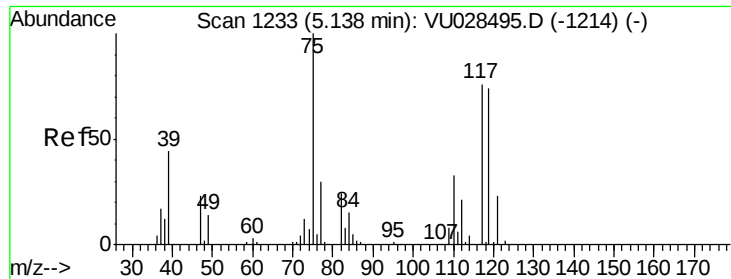


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0

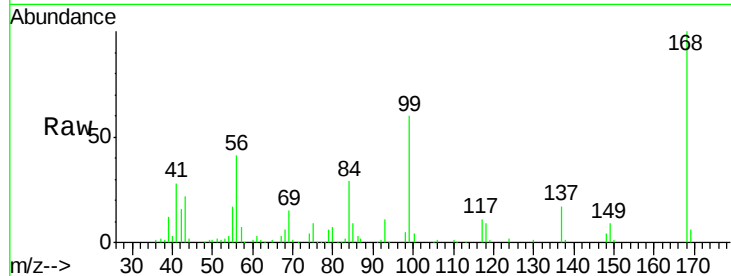




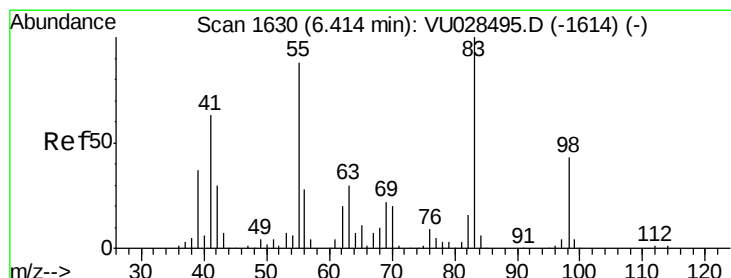
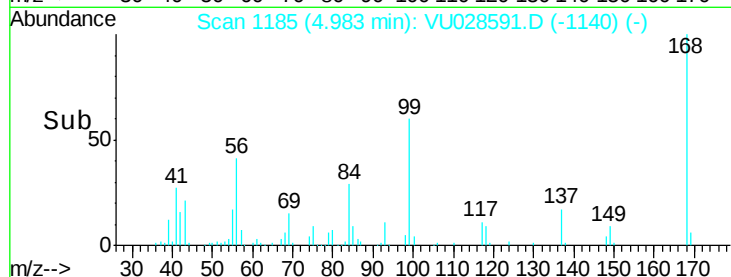
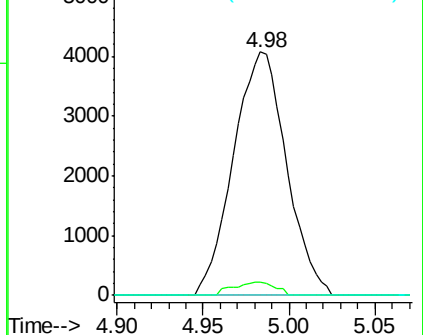
#38
Carbon Tetrachloride
Concen: 6.265 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

Instrument :
MSVOA_U
ClientSampleId :
P001-SW003-01

Tot Ion:117 Resp: 8740
Ion Ratio Lower Upper
117 100
119 5.5 77.6 116.4#
121 0.0 24.6 36.8#

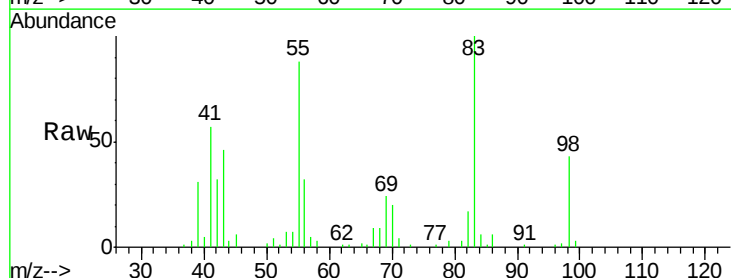


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

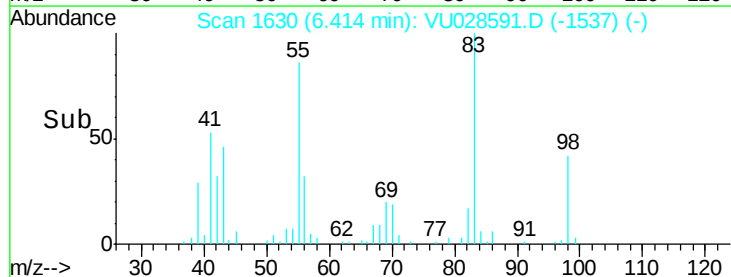
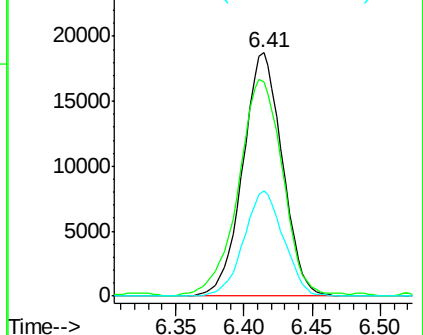


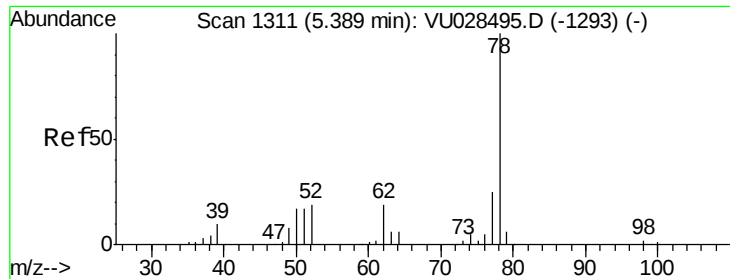
#39
Methylcyclohexane
Concen: 17.861 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

Tgt Ion: 83 Resp: 37715
Ion Ratio Lower Upper
83 100
55 86.6 70.2 105.2
98 43.3 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: 13.926 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Instrument :

MSVOA_U

ClientSampleId :

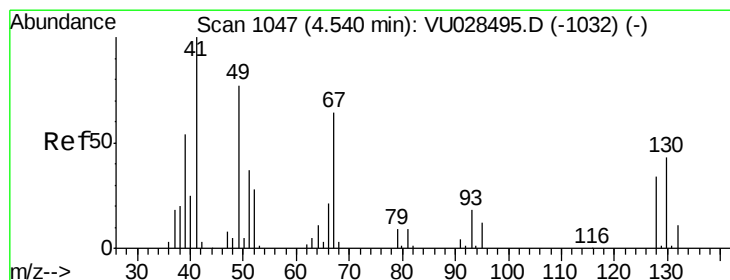
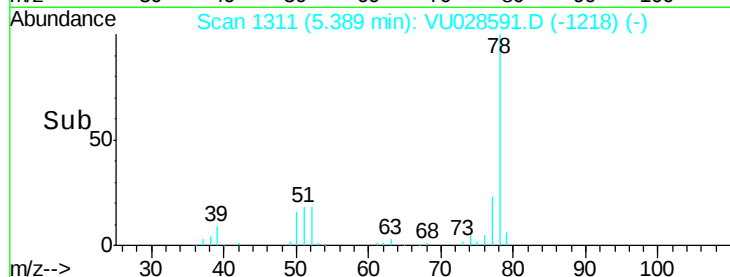
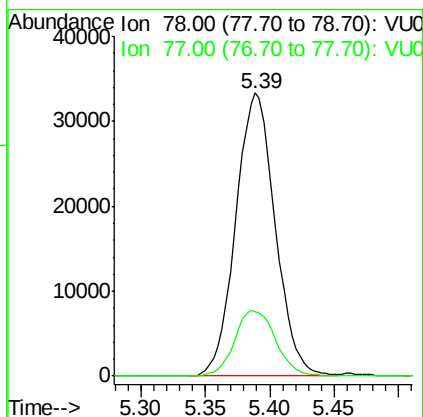
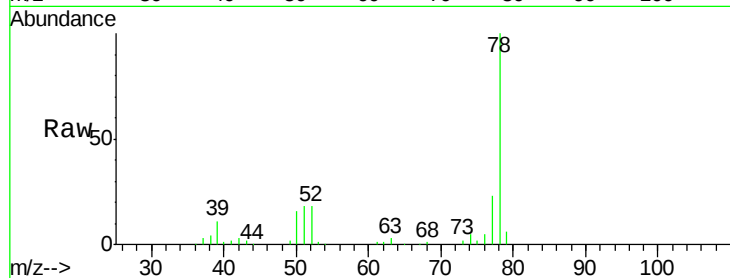
P001-SW003-01

Tot Ion: 78 Resp: 70994

Ion Ratio Lower Upper

78 100

77 23.0 19.9 29.9



#41

Methacrylonitrile

Concen: 3.945 ug/l

RT: 4.57 min Scan# 1056

Delta R.T. 0.03 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Tgt Ion: 41 Resp: 4834

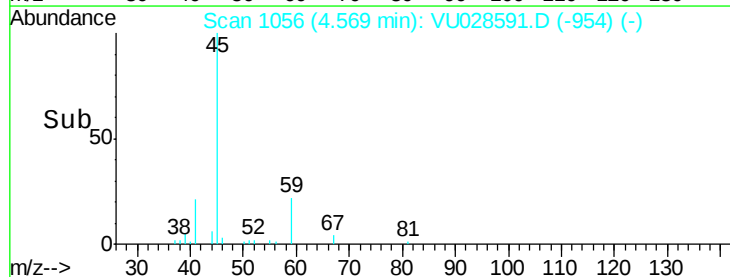
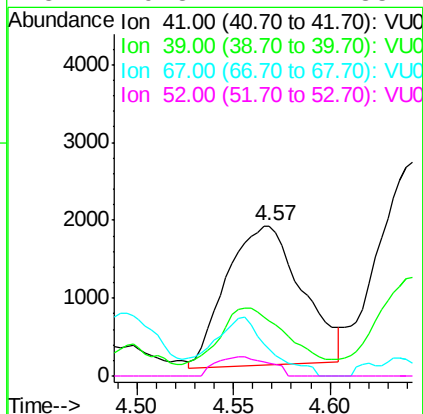
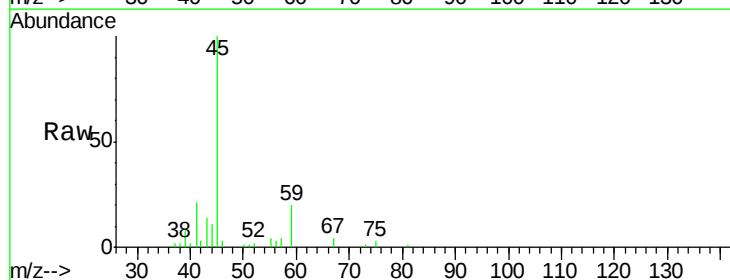
Ion Ratio Lower Upper

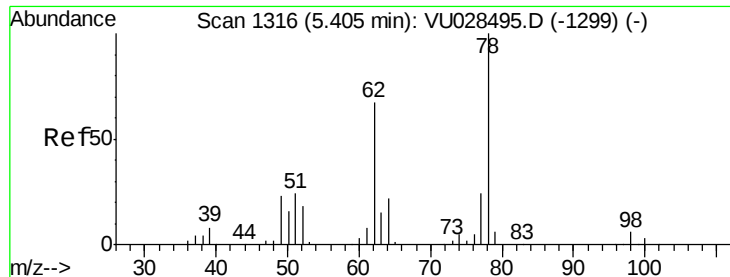
41 100

39 41.6 43.3 64.9#

67 30.7 53.6 80.4#

52 9.8 22.1 33.1#

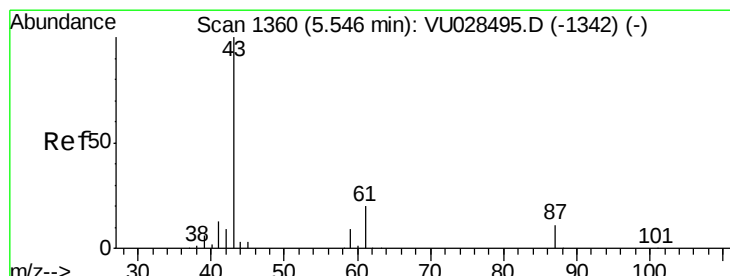
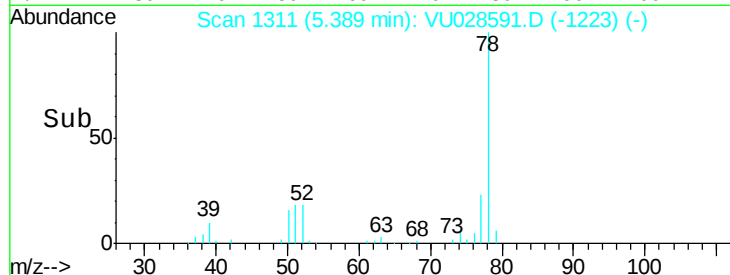
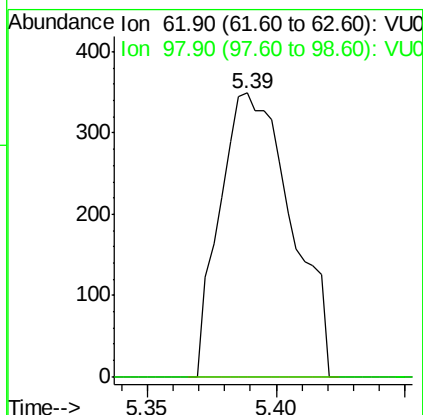
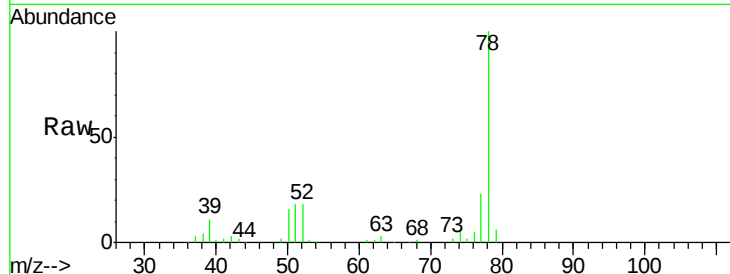




#42
 1,2-Dichloroethane
 Concen: 0.378 ug/l
 RT: 5.39 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: VU028591.D
 Acq: 11 Dec 2018 08:05

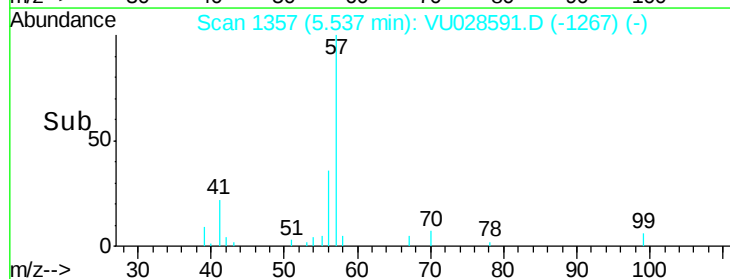
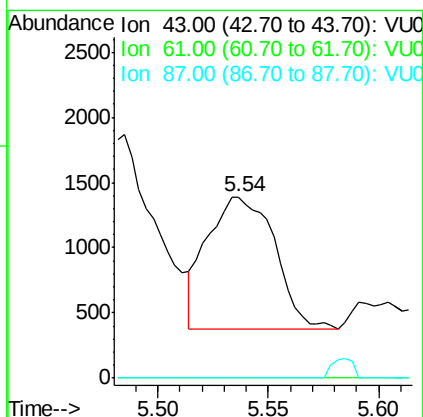
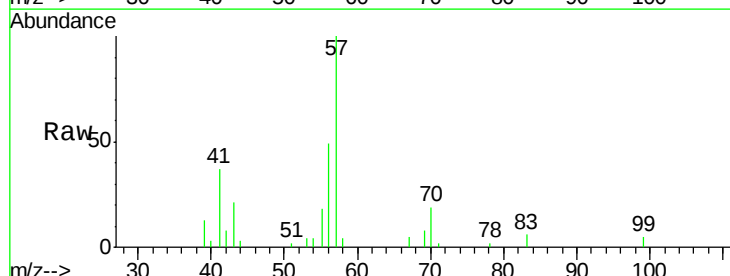
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW003-01

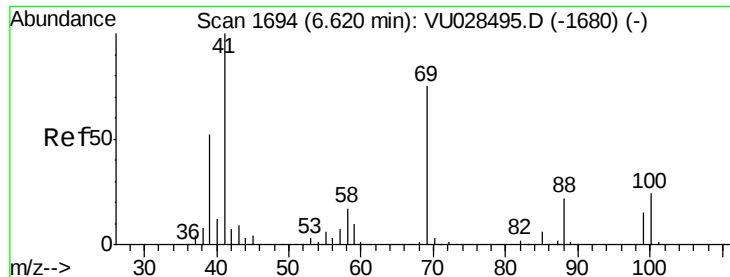
Tot Ion: 62 Resp: 674
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 17.2



#43
 Isopropyl Acetate
 Concen: 0.606 ug/l
 RT: 5.54 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VU028591.D
 Acq: 11 Dec 2018 08:05

Tgt Ion: 43 Resp: 2145
 Ion Ratio Lower Upper
 43 100
 61 0.0 15.5 23.3#
 87 0.0 8.7 13.1#

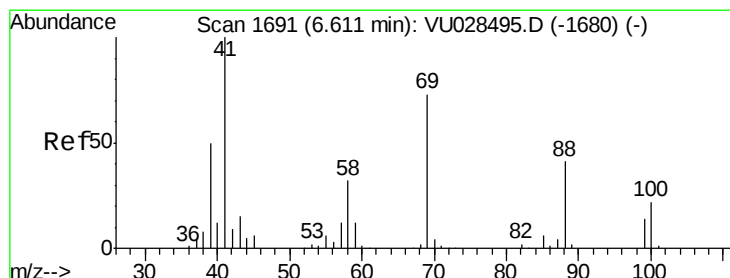
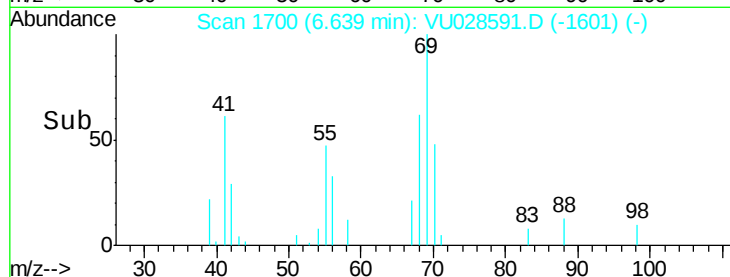
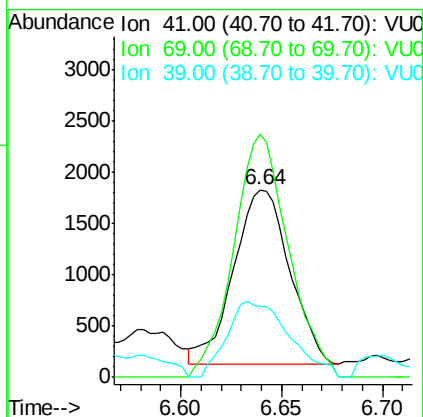
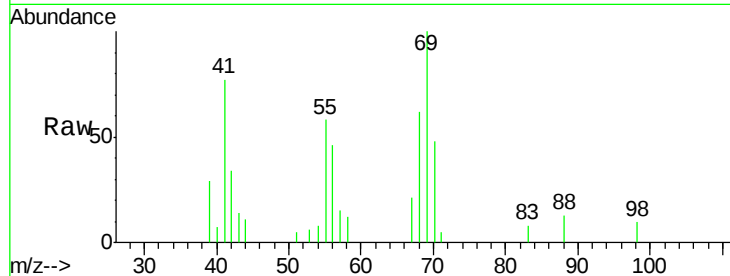




#48
Methvl methacrylate
Concen: 1.880 ug/l
RT: 6.64 min Scan# 1700
Delta R.T. 0.02 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

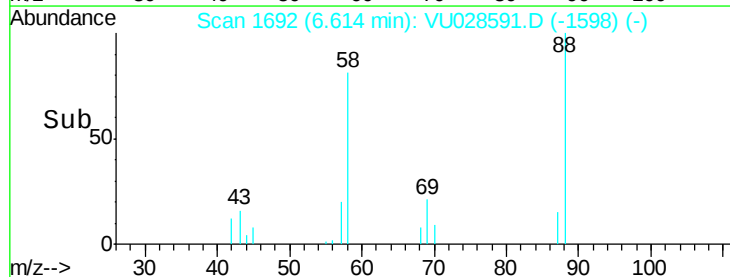
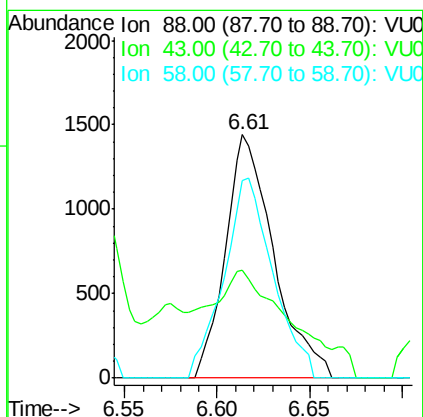
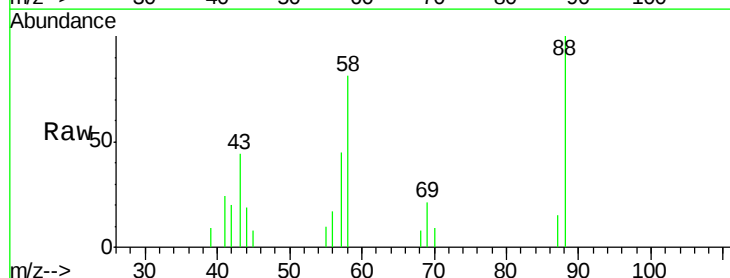
Instrument :
MSVOA_U
ClientSampleId :
P001-SW003-01

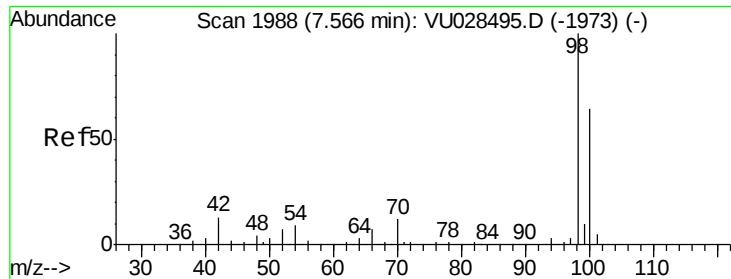
Tot Ion: 41 Resp: 3308
Ion Ratio Lower Upper
41 100
69 136.2 60.4 90.6#
39 48.4 41.1 61.7



#49
1,4-Dioxane
Concen: 93.740 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

Tgt Ion: 88 Resp: 2605
Ion Ratio Lower Upper
88 100
43 60.2 30.9 46.3#
58 83.4 62.4 93.6

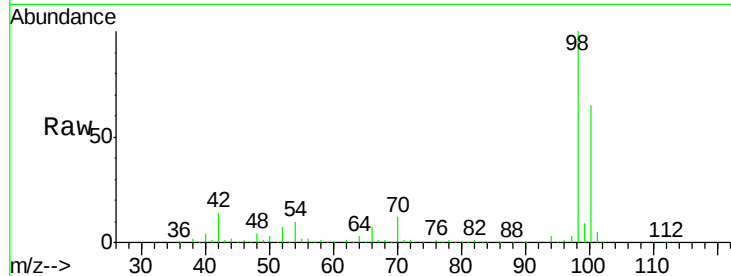




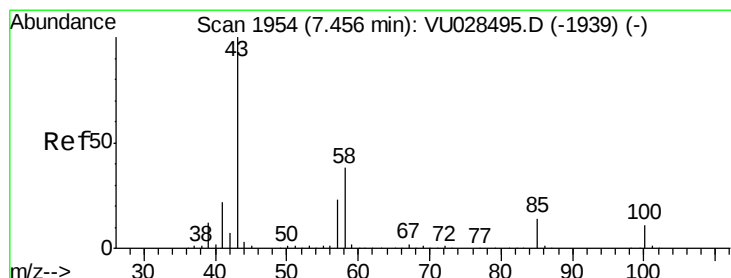
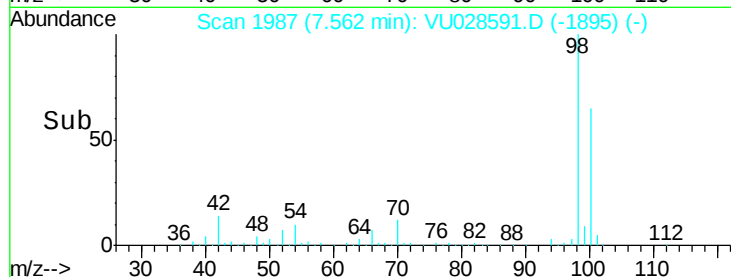
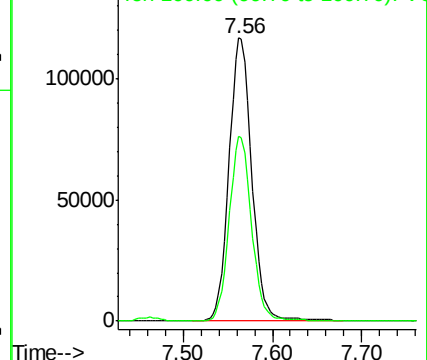
#50
Toluene-d8
Concen: 52.572 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

Instrument :
MSVOA_U
ClientSampleId :
P001-SW003-01

Tot Ion: 98 Resp: 207009
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6

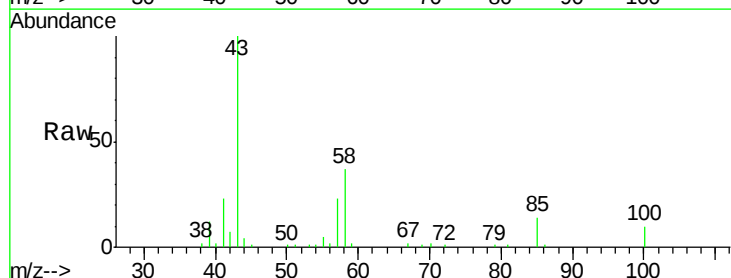


Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)
Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

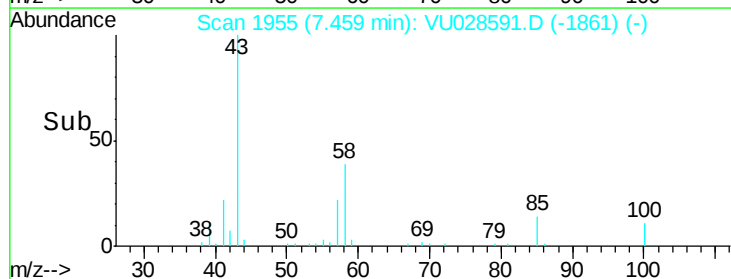
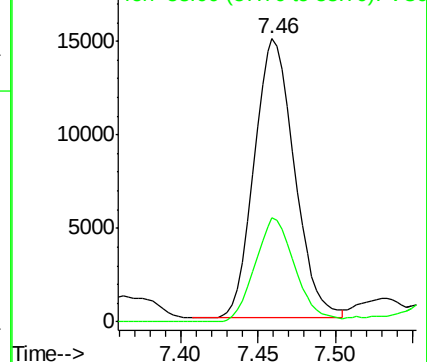


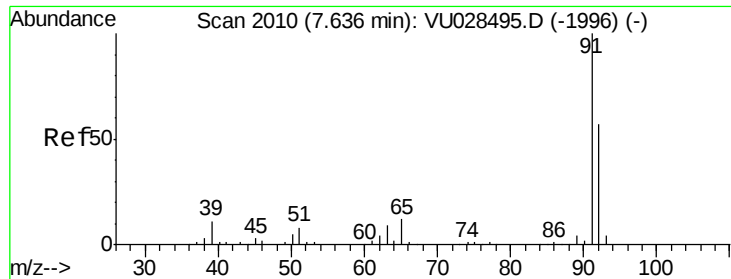
#51
4-Methyl-2-Pentanone
Concen: 12.145 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

Tgt Ion: 43 Resp: 27109
Ion Ratio Lower Upper
43 100
58 37.0 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)
Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)





#52

Toluene

Concen: 58.658 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Instrument :

MSVOA_U

ClientSampleId :

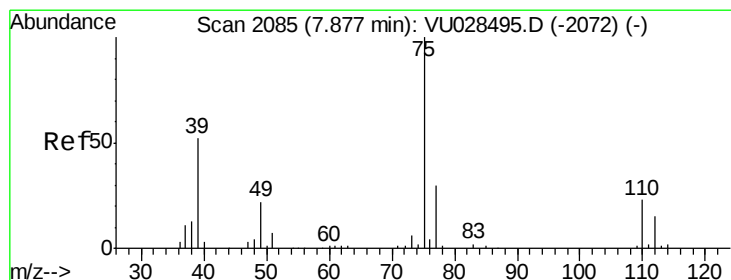
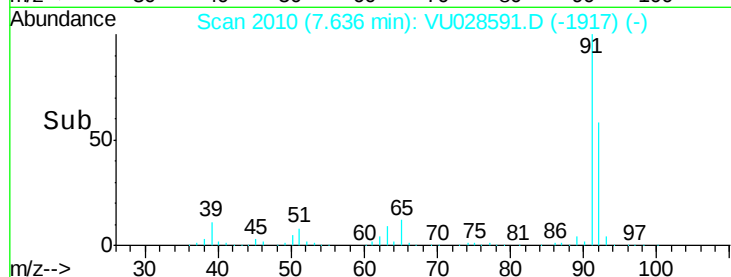
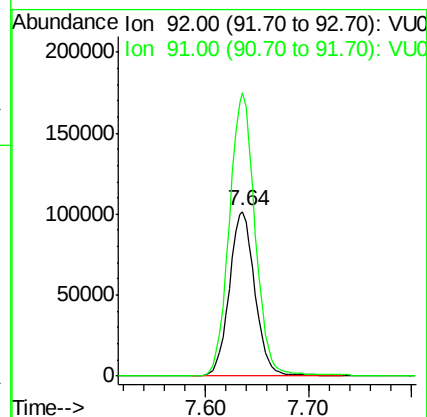
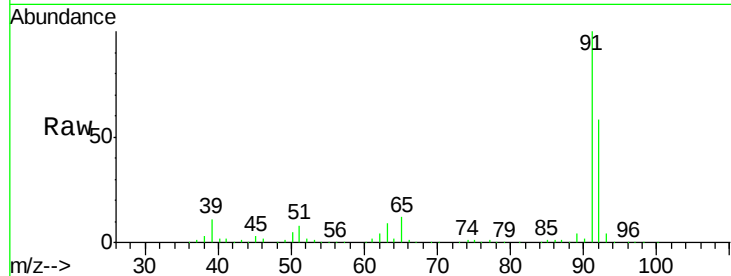
P001-SW003-01

Tot Ion: 92 Resp: 175983

Ion Ratio Lower Upper

92 100

91 174.0 140.2 210.4



#53

t-1,3-Dichloropropene

Concen: 0.973 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.24 min

Lab File: VU028591.D

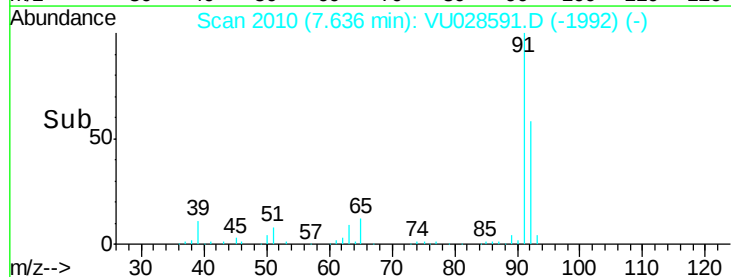
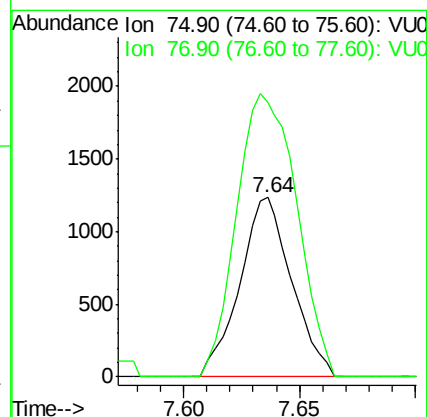
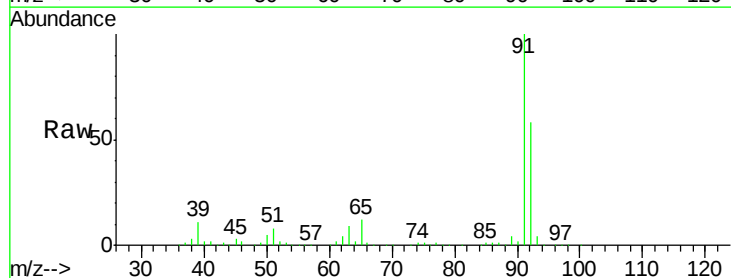
Acq: 11 Dec 2018 08:05

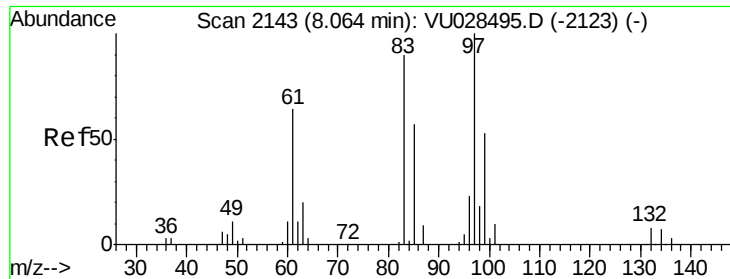
Tgt Ion: 75 Resp: 1919

Ion Ratio Lower Upper

75 100

77 153.2 24.2 36.4#

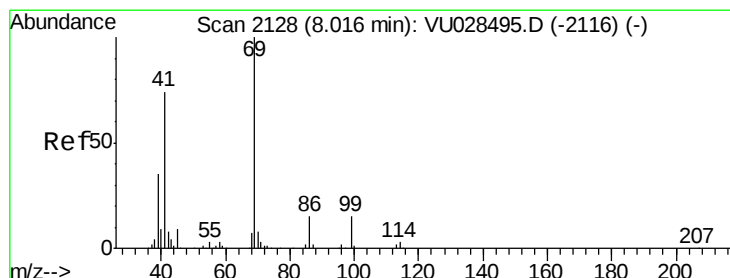
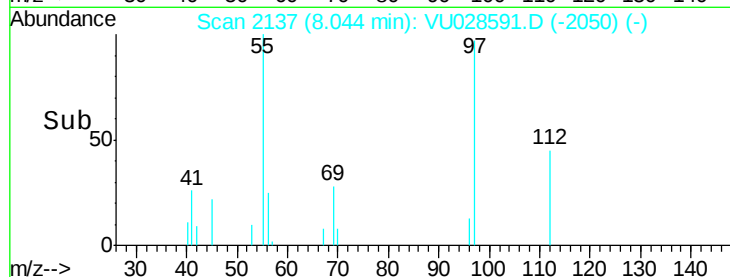
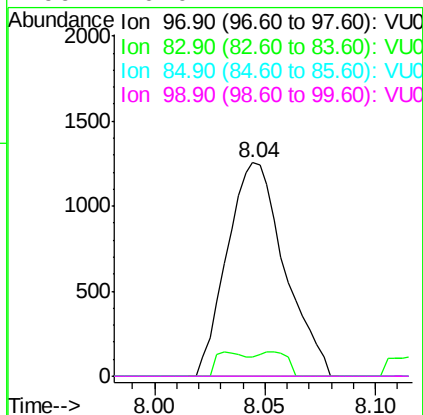
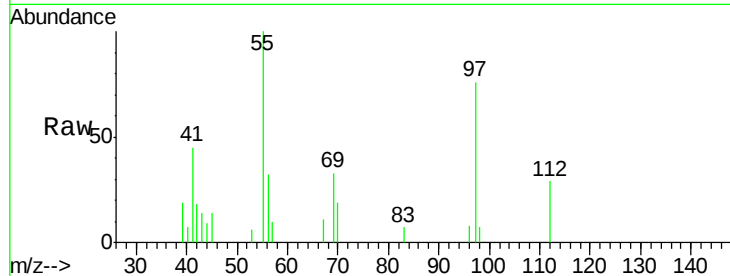




#55
 1,1,2-Trichloroethane
 Concen: 1.907 ug/l
 RT: 8.04 min Scan# 2137
 Delta R.T. -0.02 min
 Lab File: VU028591.D
 Acq: 11 Dec 2018 08:05

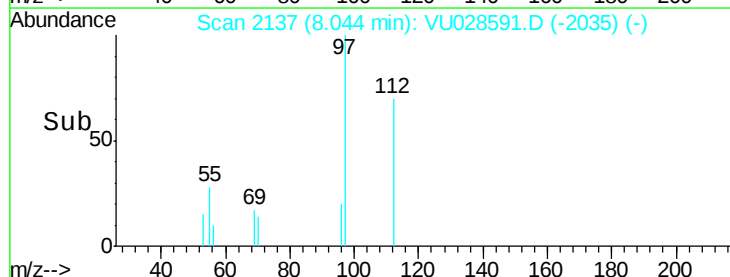
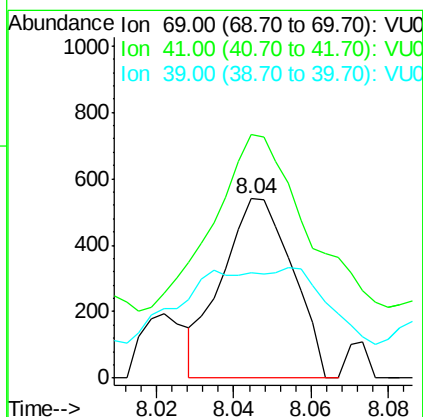
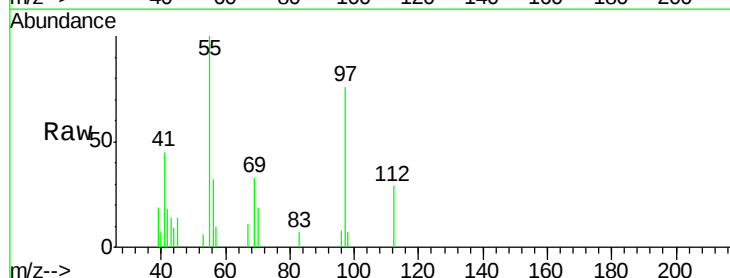
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW003-01

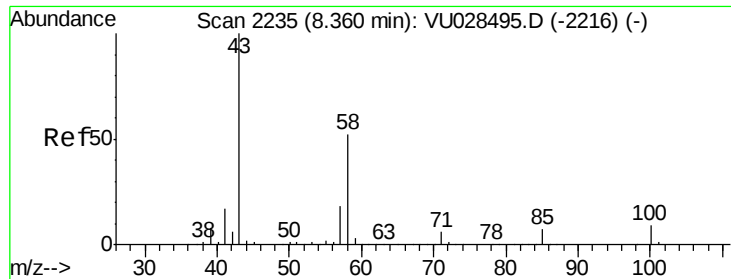
Tot Ion: 97 Resp: 2262
 Ion Ratio Lower Upper
 97 100
 83 8.8 72.4 108.6#
 85 0.0 46.0 69.0#
 99 0.0 47.4 71.2#



#56
 Ethyl methacrylate
 Concen: 0.335 ug/l
 RT: 8.04 min Scan# 2137
 Delta R.T. 0.03 min
 Lab File: VU028591.D
 Acq: 11 Dec 2018 08:05

Tgt Ion: 69 Resp: 681
 Ion Ratio Lower Upper
 69 100
 41 127.2 59.1 88.7#
 39 36.1 28.4 42.6

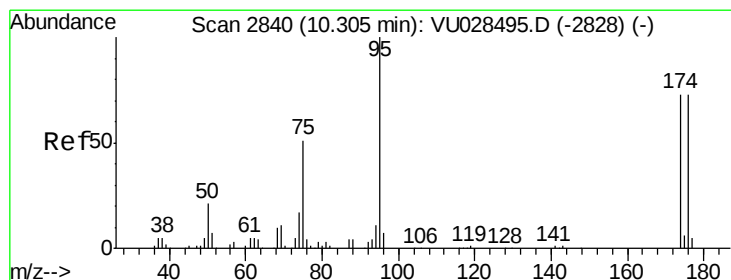
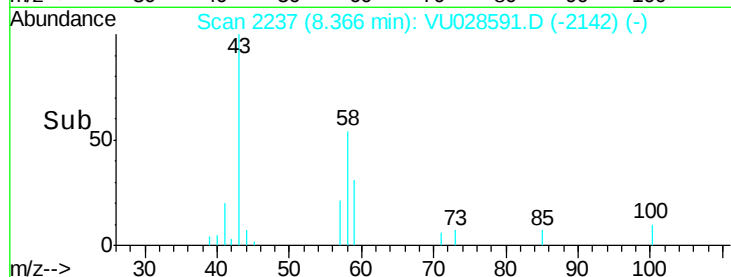
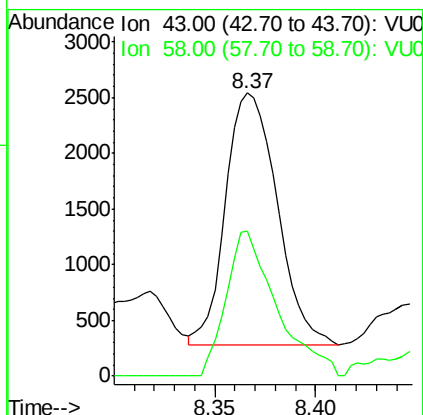
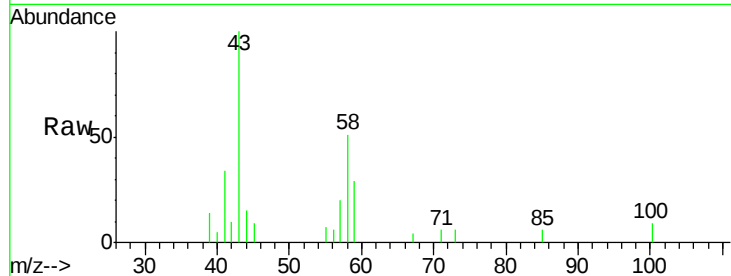




#59
2-Hexanone
Concen: 2.280 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.01 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

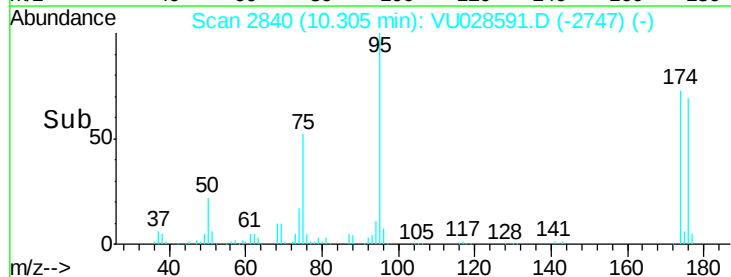
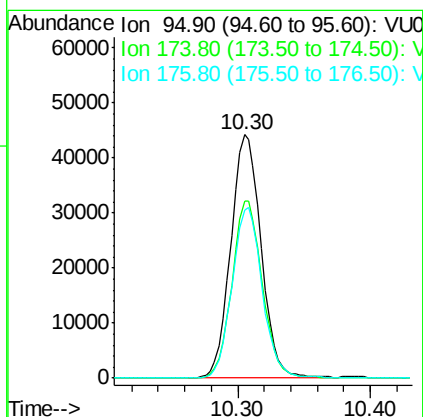
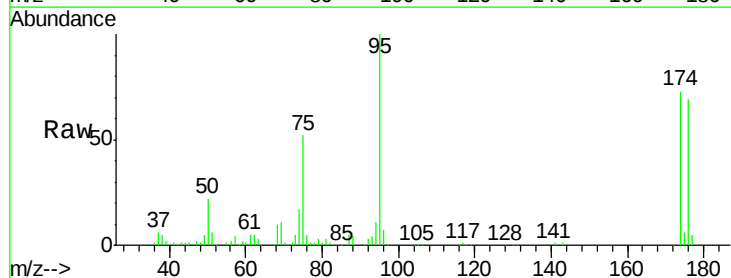
Instrument :
MSVOA_U
ClientSampleId :
P001-SW003-01

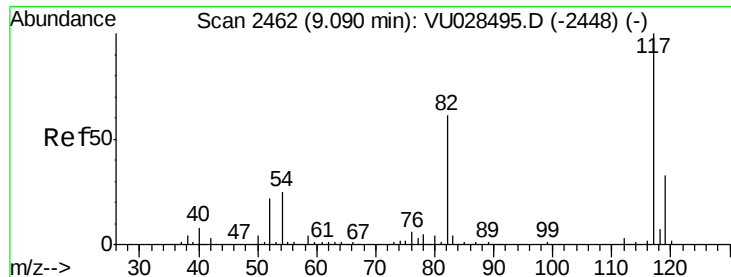
Tot Ion: 43 Resp: 4034
Ion Ratio Lower Upper
43 100
58 56.5 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 47.897 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

Tgt Ion: 95 Resp: 70492
Ion Ratio Lower Upper
95 100
174 72.3 0.0 150.4
176 69.5 0.0 145.2

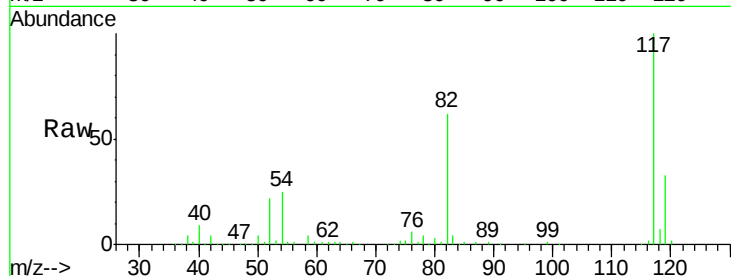




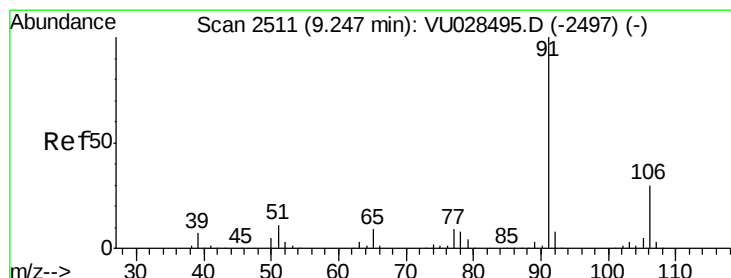
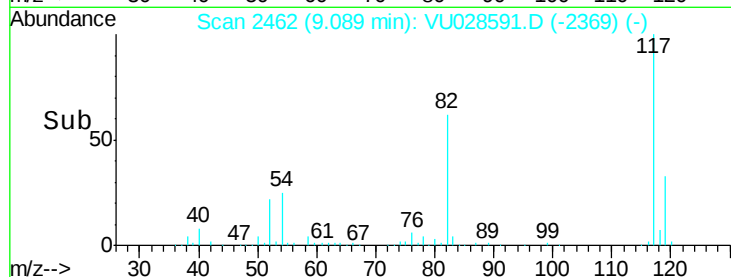
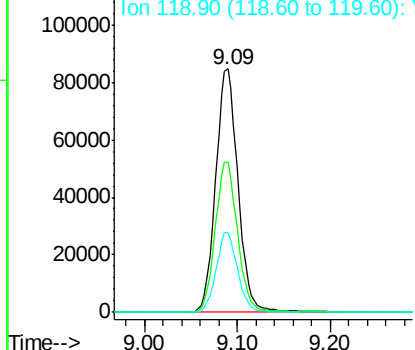
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

Instrument :
MSVOA_U
ClientSampleId :
P001-SW003-01

Tot Ion:117 Resp: 141501
Ion Ratio Lower Upper
117 100
82 61.6 48.9 73.3
119 32.5 26.2 39.4

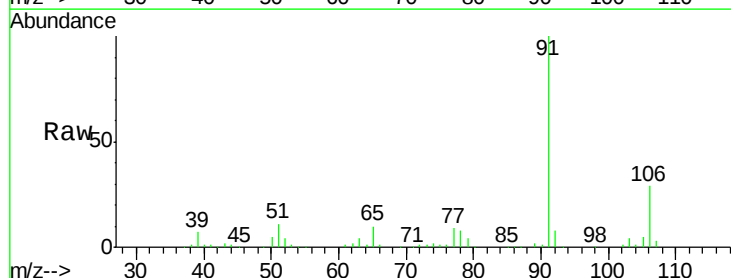


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

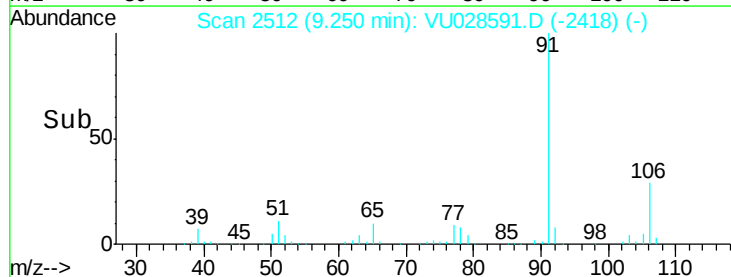
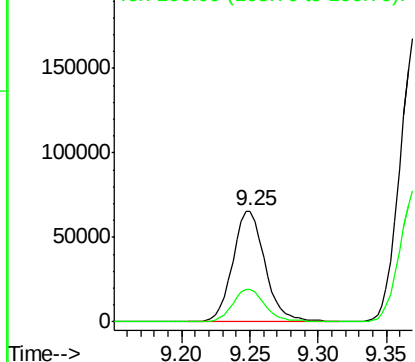


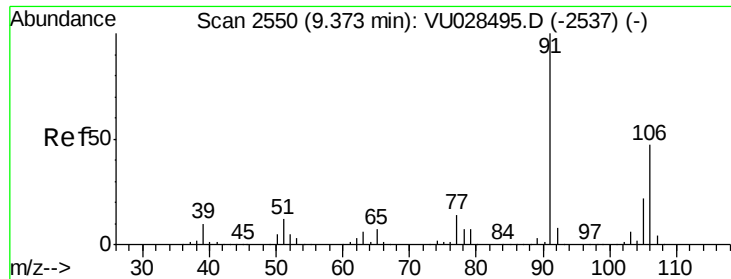
#67
Ethyl Benzene
Concen: 19.544 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

Tgt Ion: 91 Resp: 108332
Ion Ratio Lower Upper
91 100
106 29.3 24.1 36.1



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





#68

m/p-Xylenes

Concen: 65.032 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Instrument :

MSVOA_U

ClientSampleId :

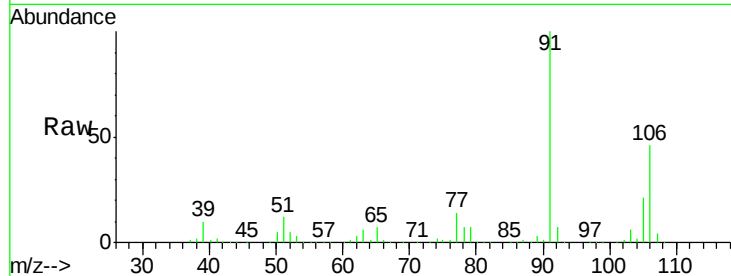
P001-SW003-01

Tot Ion:106 Resp: 131167

Ion Ratio Lower Upper

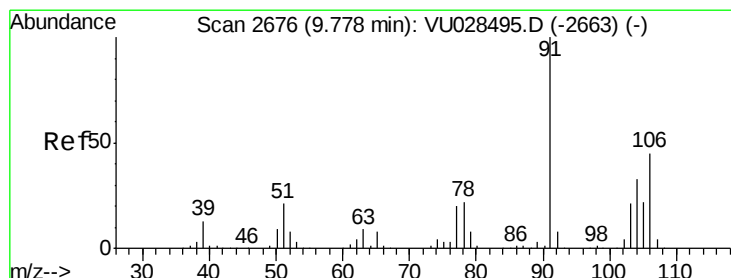
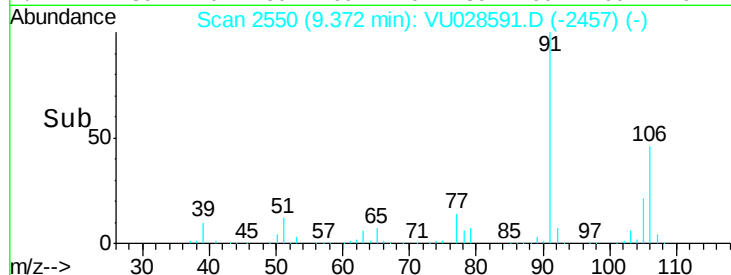
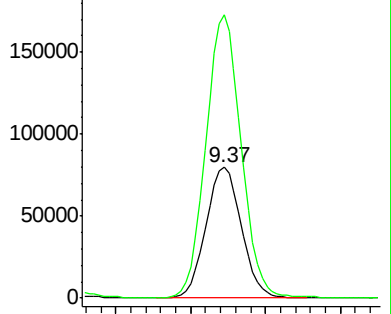
106 100

91 216.5 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 24.832 ug/l

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028591.D

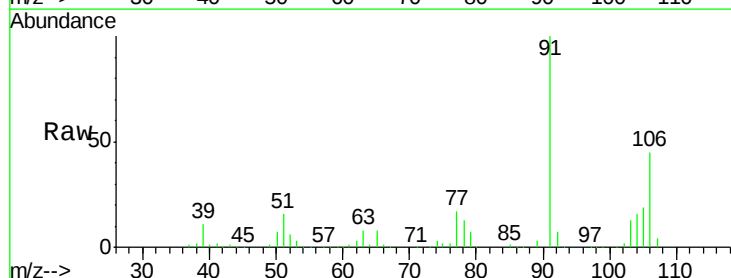
Acq: 11 Dec 2018 08:05

Tgt Ion:106 Resp: 48673

Ion Ratio Lower Upper

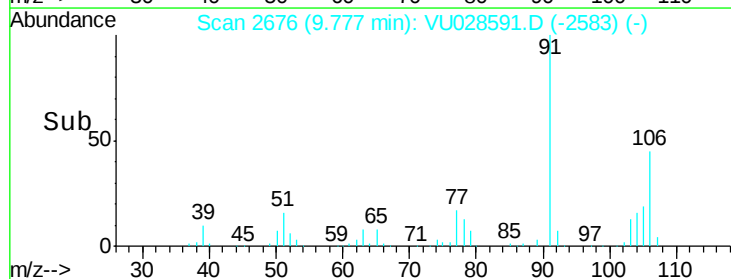
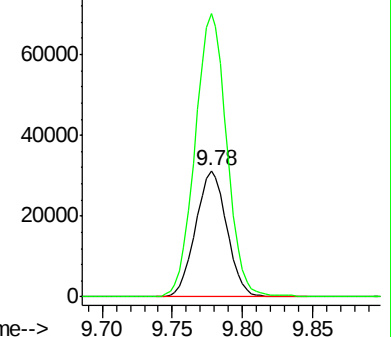
106 100

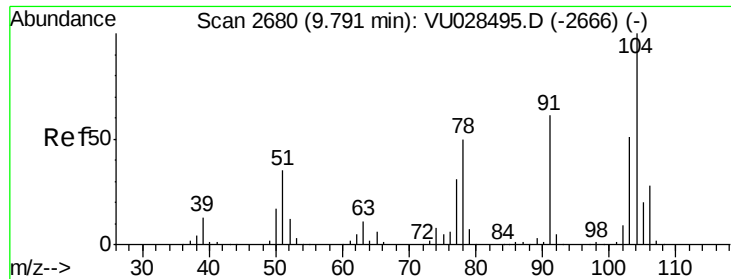
91 226.5 111.3 334.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

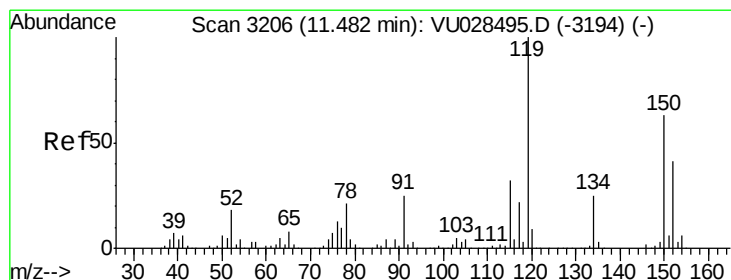
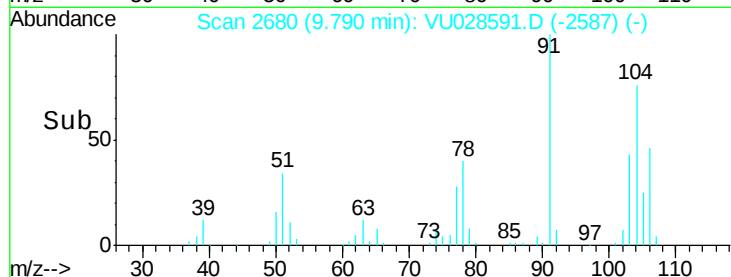
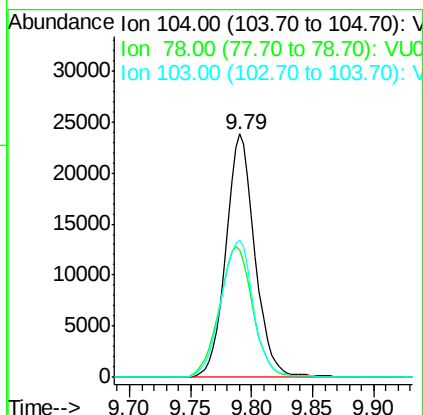
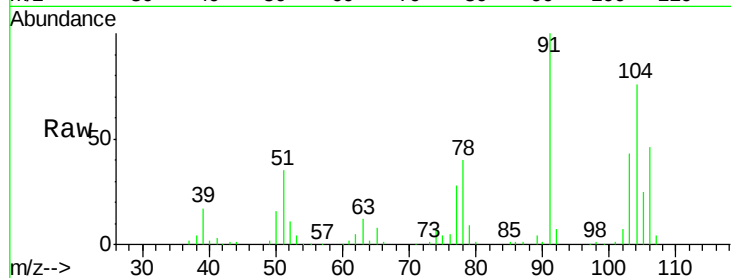




#70
Stvrene
Concen: 12.193 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

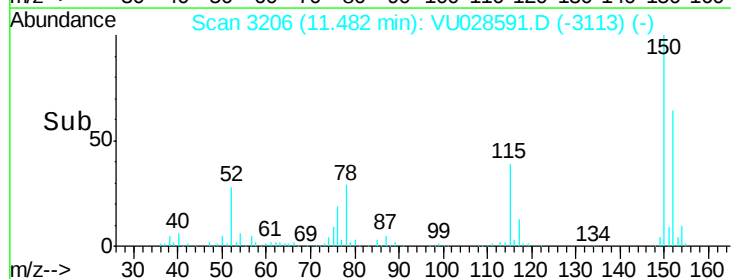
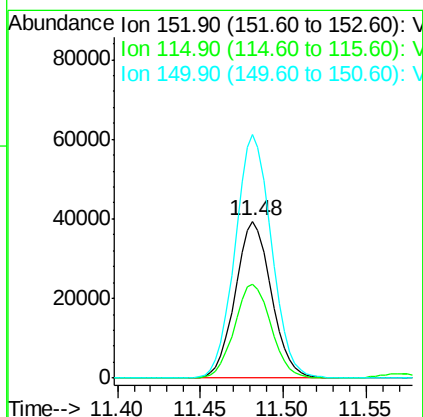
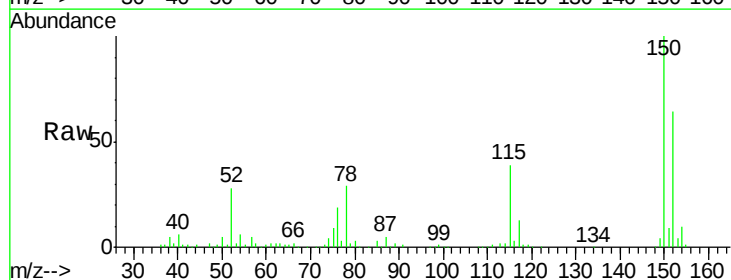
Instrument :
MSVOA_U
ClientSampleId :
P001-SW003-01

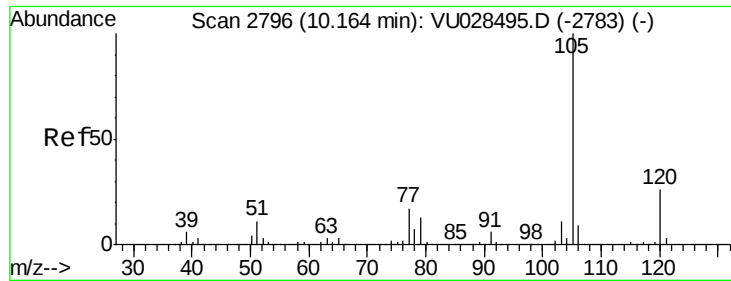
Tot Ion:104 Resp: 39552
Ion Ratio Lower Upper
104 100
78 62.0 43.0 64.6
103 63.0 44.2 66.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

Tgt Ion:152 Resp: 59679
Ion Ratio Lower Upper
152 100
115 61.0 42.7 128.1
150 156.8 0.0 346.0





#73

Isopropylbenzene

Concen: 2.518 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Instrument :

MSVOA_U

ClientSampleId :

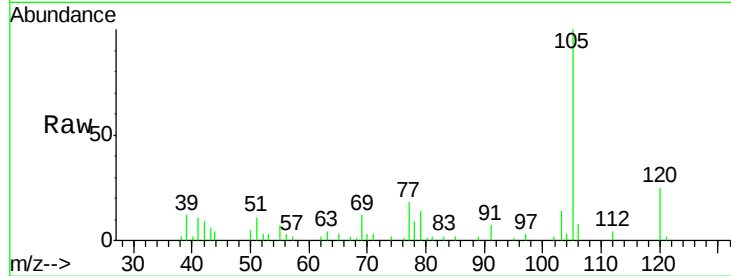
P001-SW003-01

Tot Ion: 105 Resp: 11532

Ion Ratio Lower Upper

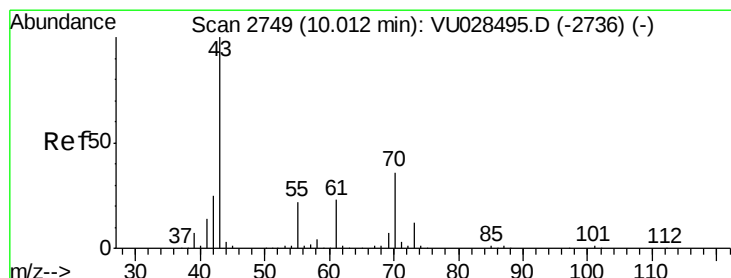
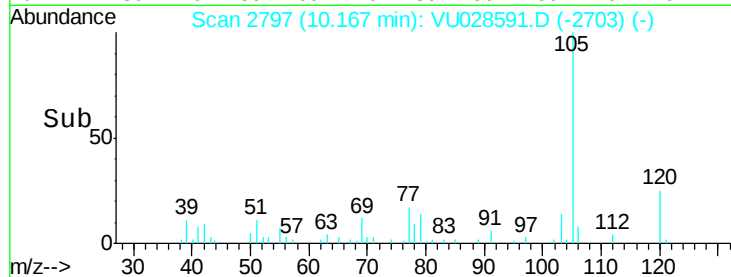
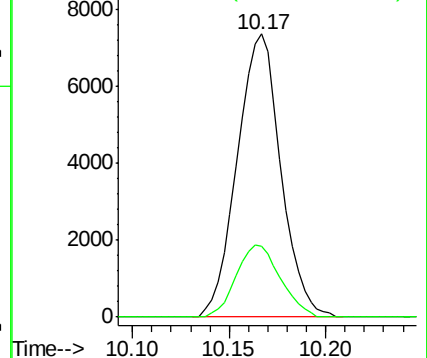
105 100

120 25.7 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-ethyl acetate

Concen: 0.914 ug/l

RT: 10.07 min Scan# 2768

Delta R.T. 0.06 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Tgt Ion: 43 Resp: 2415

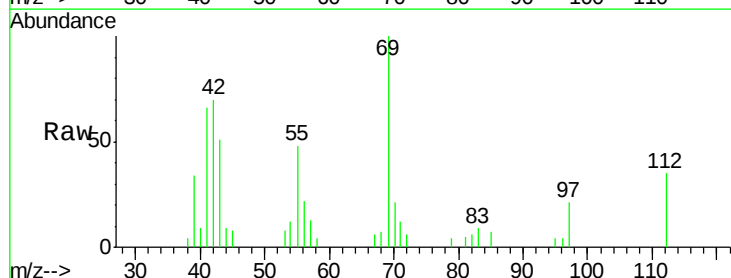
Ion Ratio Lower Upper

43 100

70 48.4 29.3 43.9#

55 90.5 18.0 27.0#

61 0.0 18.3 27.5#

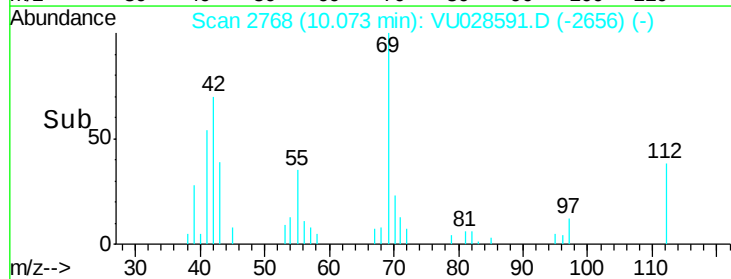
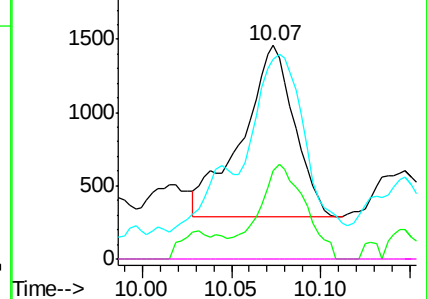


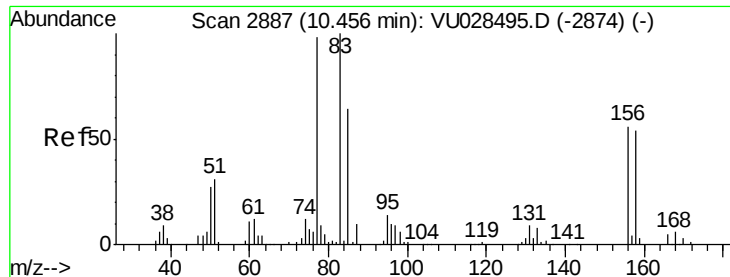
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 0.248 ug/l

RT: 10.55 min Scan# 2916

Delta R.T. 0.09 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Instrument :

MSVOA_U

ClientSampleId :

P001-SW003-01

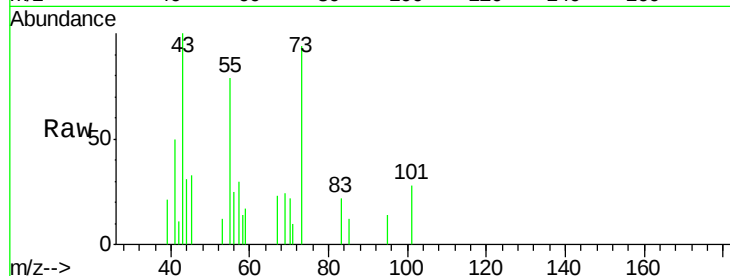
Tot Ion: 83 Resp: 436

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

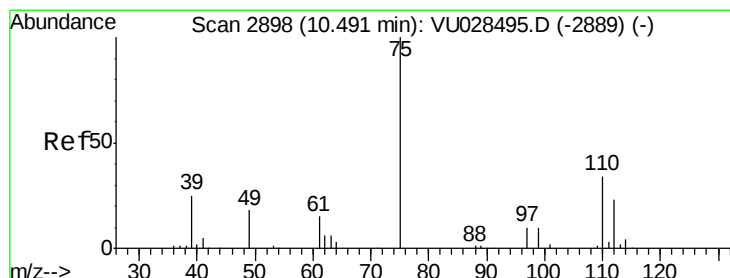
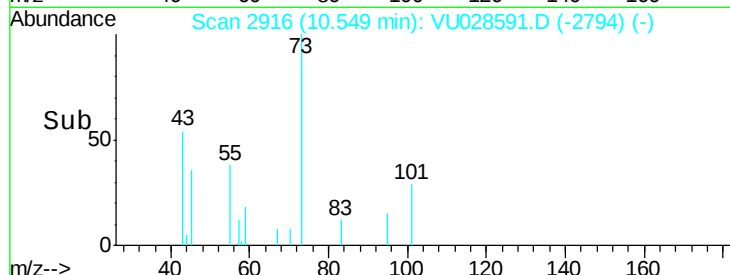
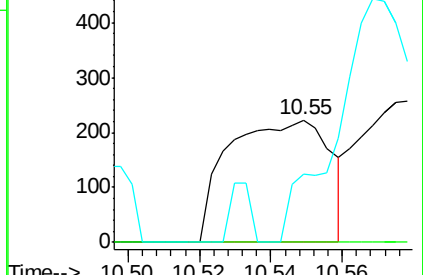
85 9.6 31.8 95.4#



Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028495.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 0.767 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.19 min

Lab File: VU028591.D

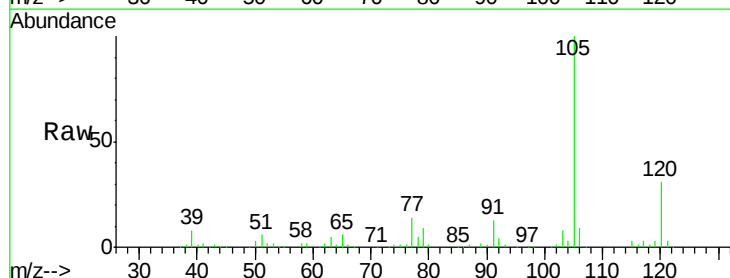
Acq: 11 Dec 2018 08:05

Tgt Ion: 75 Resp: 1169

Ion Ratio Lower Upper

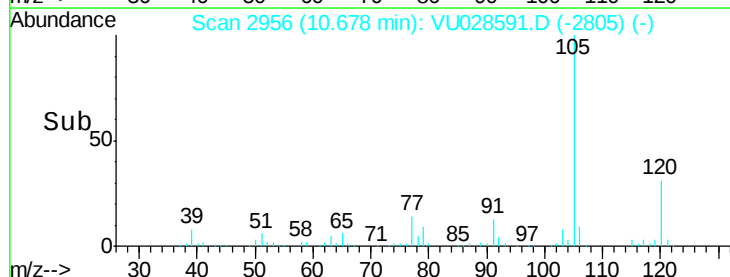
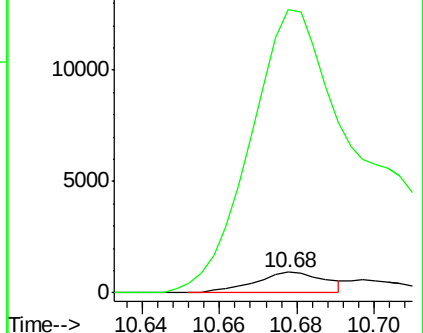
75 100

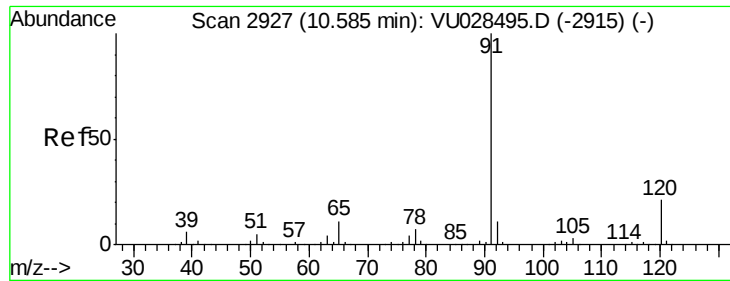
77 2235.4 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-2889) (-)





#78

n-propylbenzene

Concen: 9.529 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028591.D

Acq: 11 Dec 2018 08:05

Instrument :

MSVOA_U

ClientSampleId :

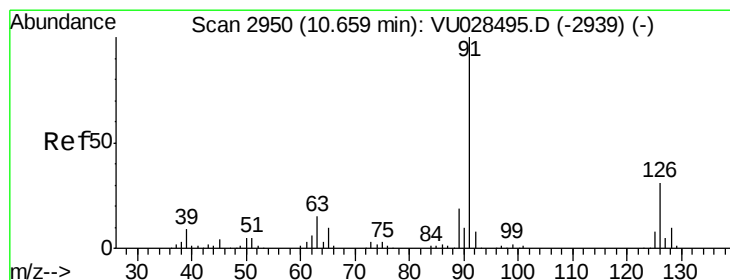
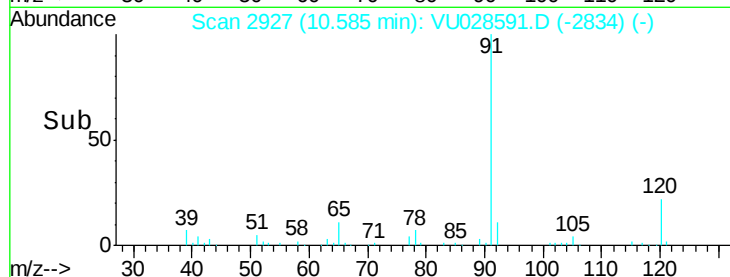
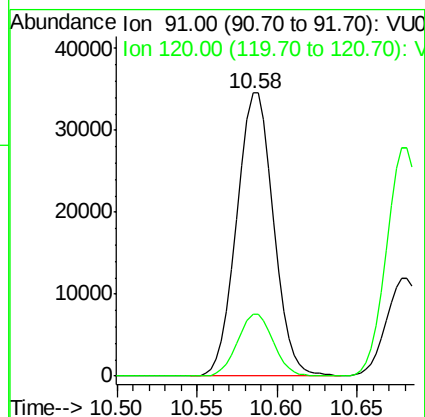
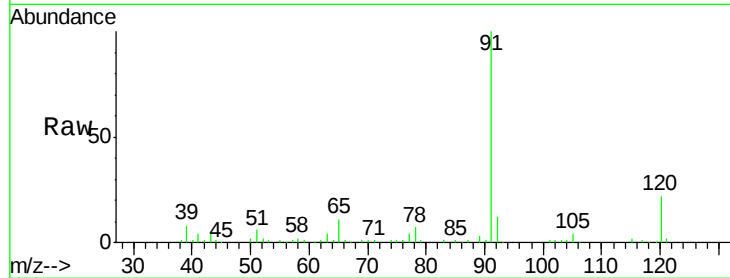
P001-SW003-01

Tot Ion: 91 Resp: 54223

Ion Ratio Lower Upper

91 100

120 21.1 10.6 31.8



#79

2-Chlorotoluene

Concen: 7.744 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.02 min

Lab File: VU028591.D

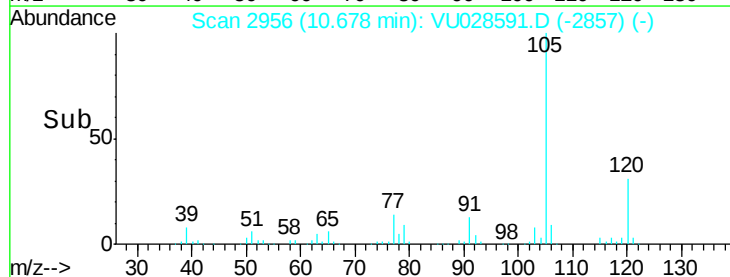
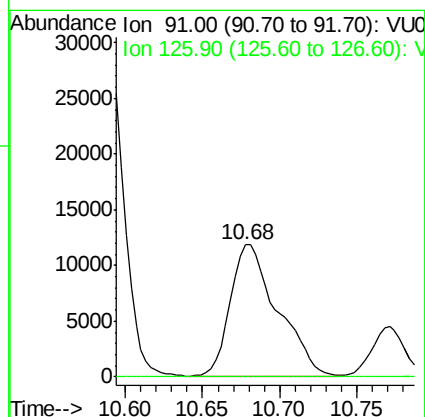
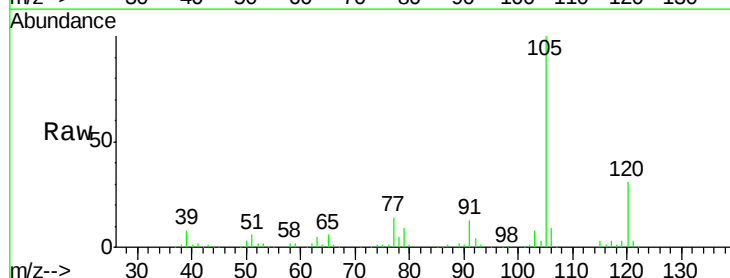
Acq: 11 Dec 2018 08:05

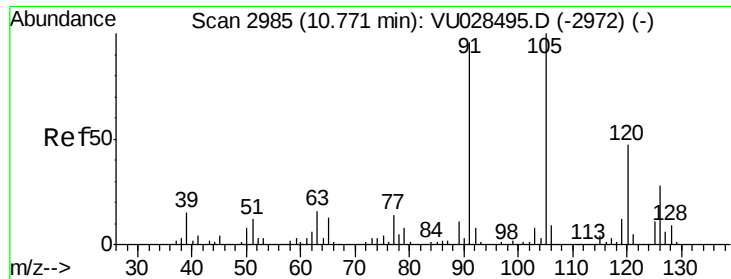
Tgt Ion: 91 Resp: 25383

Ion Ratio Lower Upper

91 100

126 0.0 15.6 46.8#

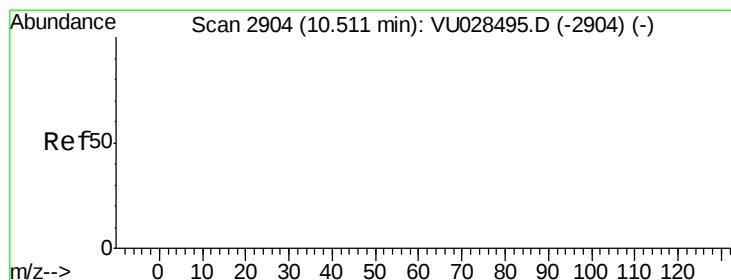
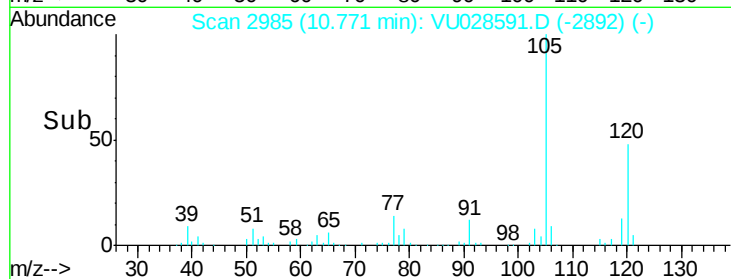
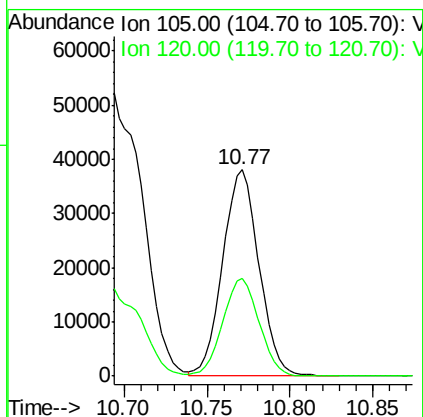
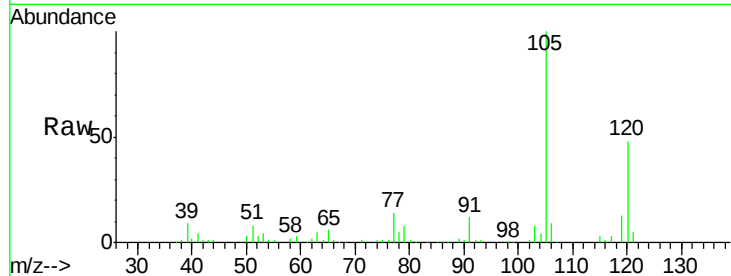




#80
 1,3,5-Trimethylbenzene
 Concen: 15.311 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028591.D
 Acq: 11 Dec 2018 08:05

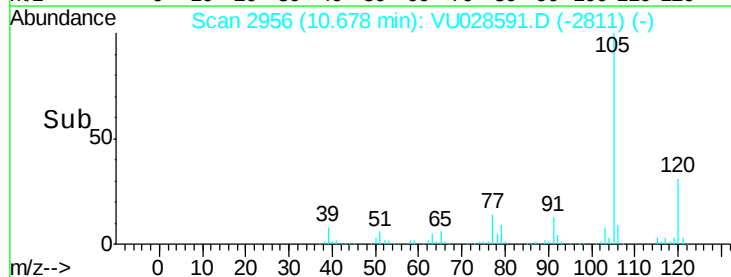
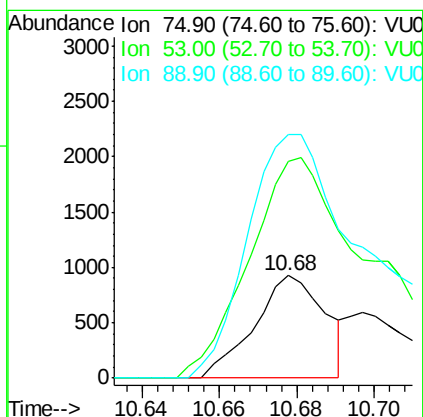
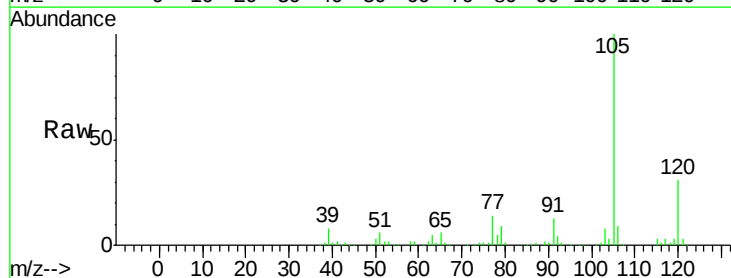
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW003-01

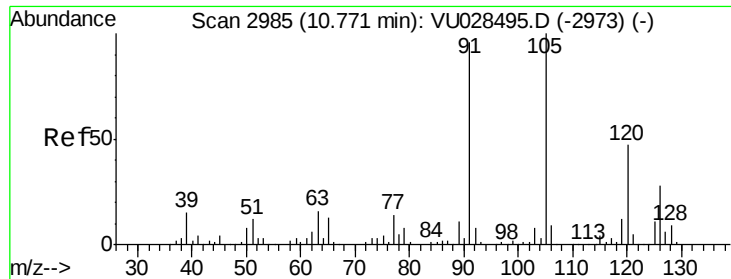
Tot Ion:105 Resp: 58040
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.7 71.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 2.390 ug/l
 RT: 10.68 min Scan# 2956
 Delta R.T. 0.17 min
 Lab File: VU028591.D
 Acq: 11 Dec 2018 08:05

Tgt Ion: 75 Resp: 1169
 Ion Ratio Lower Upper
 75 100
 53 377.4 0.0 0.0#
 89 411.5 0.0 0.0#

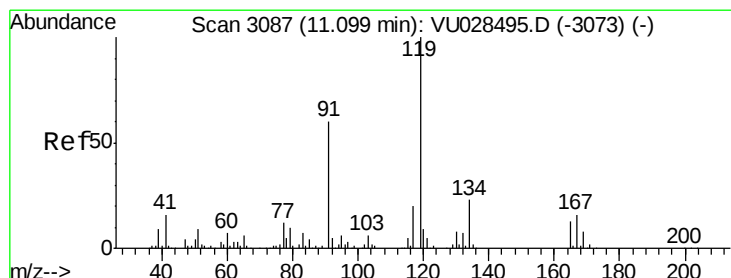
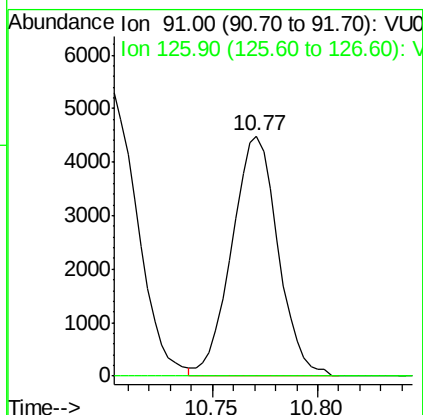
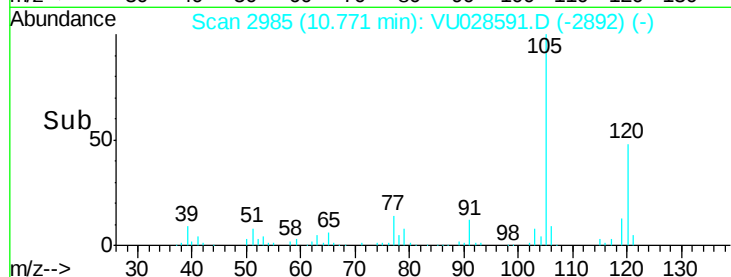
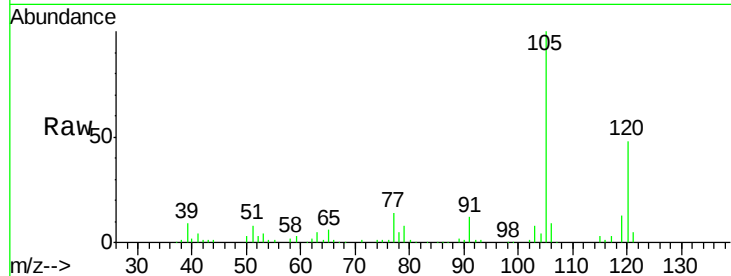




#82
4-Chlorotoluene
Concen: 1.754 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

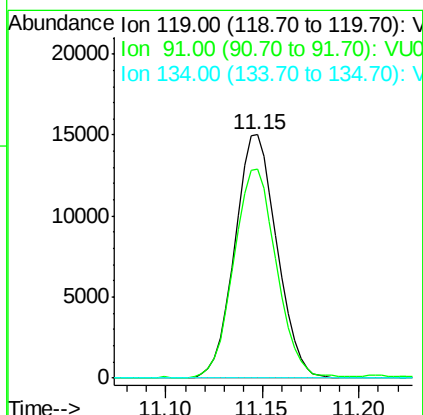
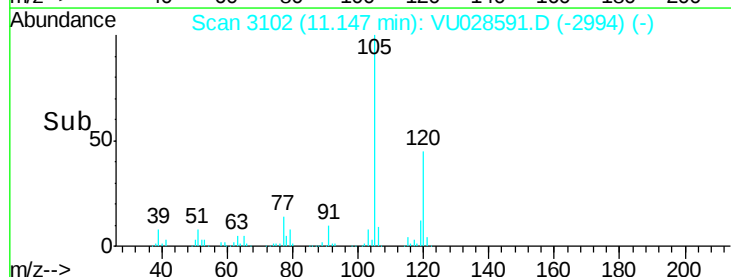
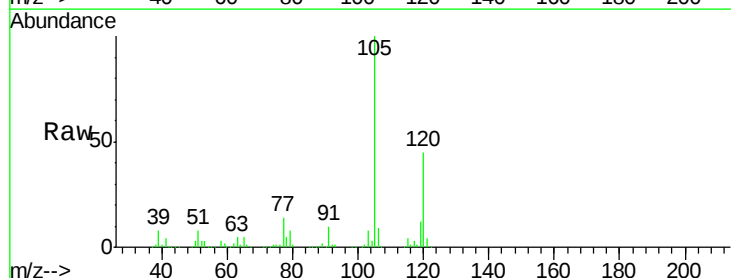
Instrument :
MSVOA_U
ClientSampleId :
P001-SW003-01

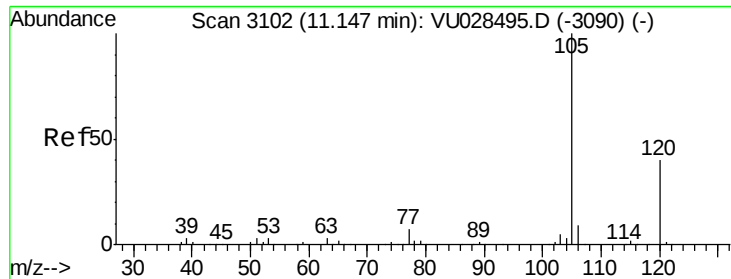
Tot Ion: 91 Resp: 6814
Ion Ratio Lower Upper
91 100
126 0.0 14.1 42.3#



#83
tert-Butylbenzene
Concen: 6.199 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.05 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

Tgt Ion: 119 Resp: 22648
Ion Ratio Lower Upper
119 100
91 87.5 30.3 91.0
134 0.0 11.2 33.5#

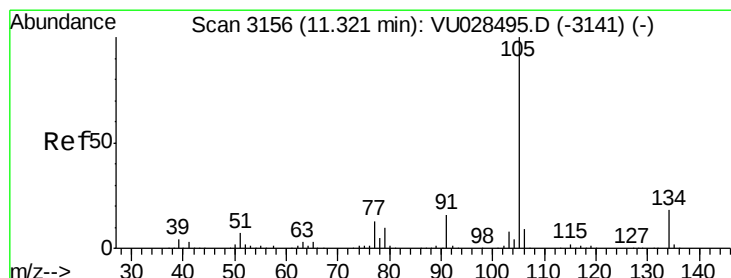
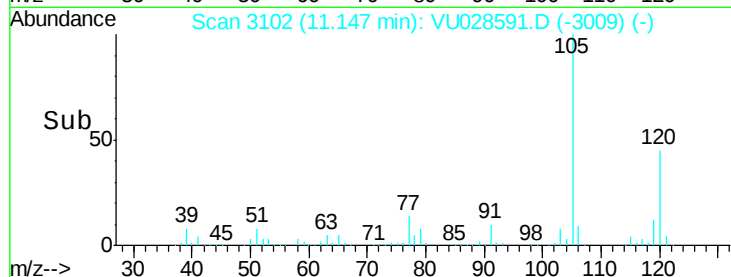
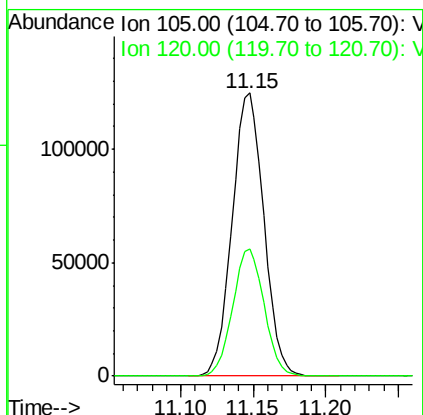
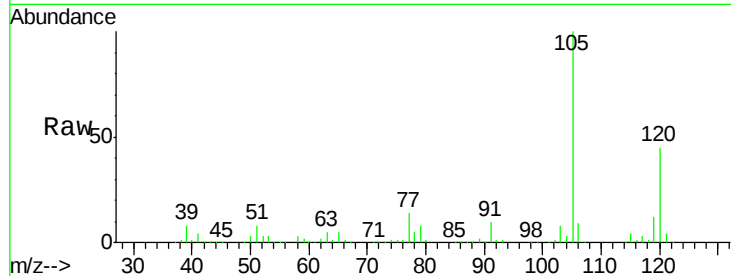




#84
 1,2,4-Trimethylbenzene
 Concen: 48.444 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028591.D
 Acq: 11 Dec 2018 08:05

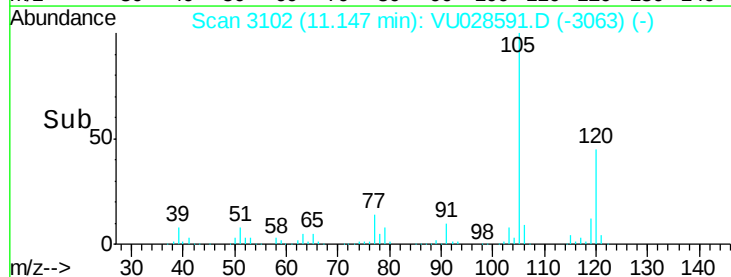
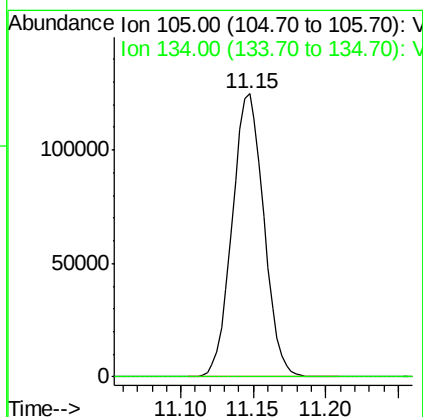
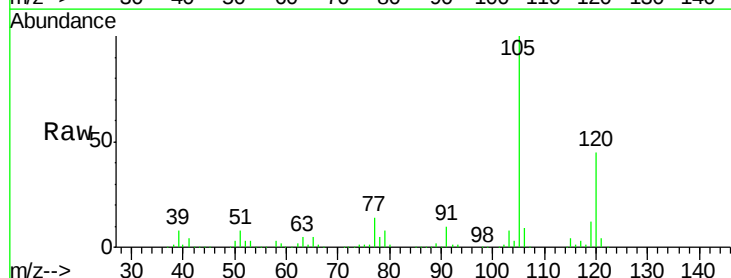
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW003-01

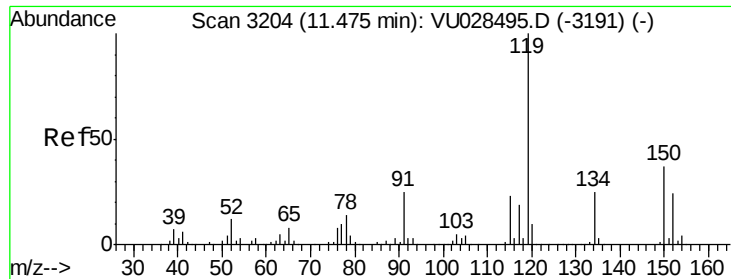
Tot Ion:105 Resp: 189250
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.8 65.4



#85
 sec-Butylbenzene
 Concen: 40.319 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.17 min
 Lab File: VU028591.D
 Acq: 11 Dec 2018 08:05

Tgt Ion:105 Resp: 189250
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.2 27.6#

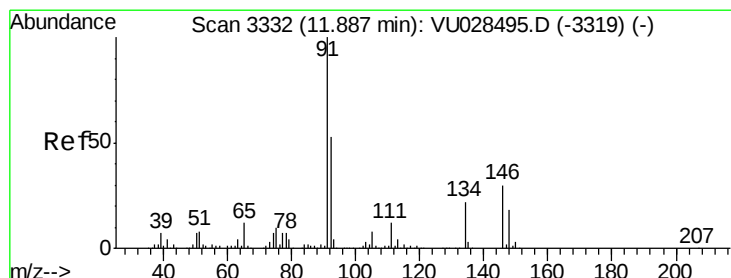
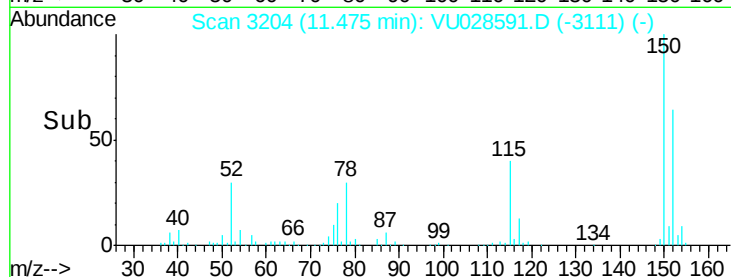
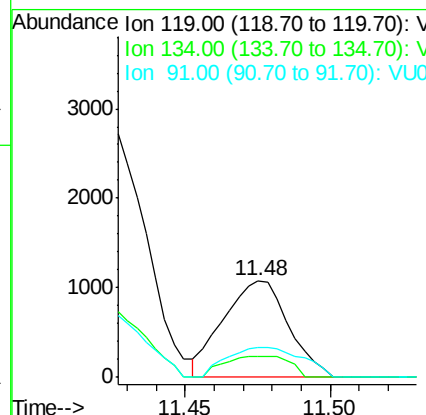
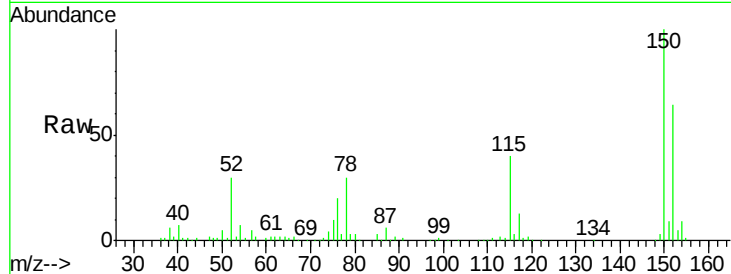




#86
 p-Isopropyltoluene
 Concen: 0.422 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028591.D
 Acq: 11 Dec 2018 08:05

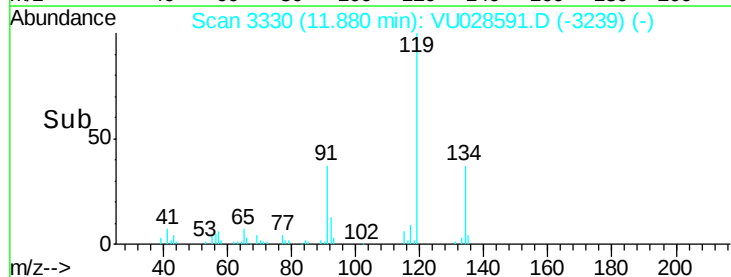
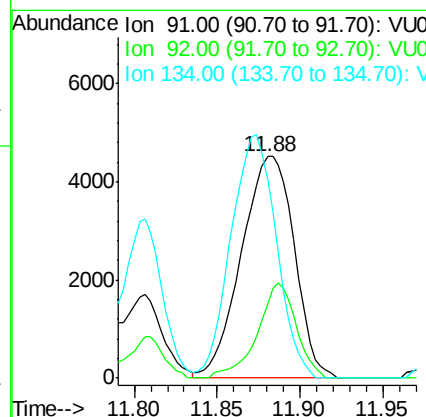
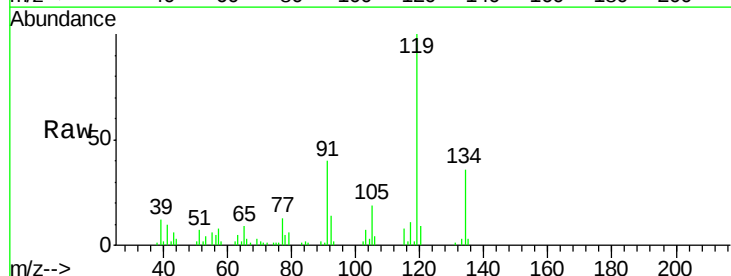
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW003-01

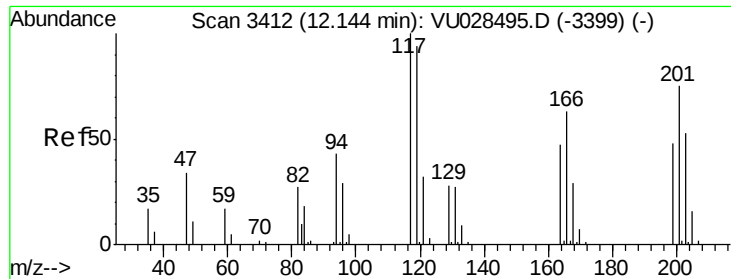
Tot Ion: 119 Resp: 1681
 Ion Ratio Lower Upper
 119 100
 134 22.3 12.7 38.1
 91 36.0 12.6 37.6



#89
 n-Butylbenzene
 Concen: 2.489 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.01 min
 Lab File: VU028591.D
 Acq: 11 Dec 2018 08:05

Tgt Ion: 91 Resp: 10043
 Ion Ratio Lower Upper
 91 100
 92 31.4 26.3 78.9
 134 94.1 11.3 33.8#

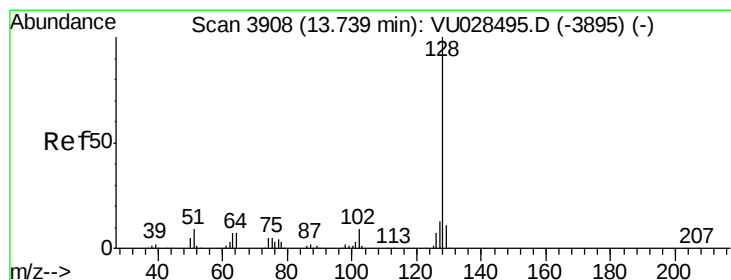
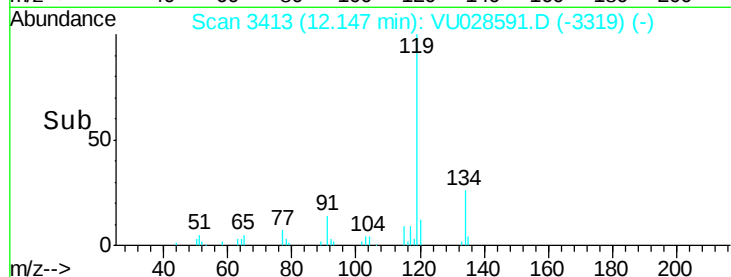
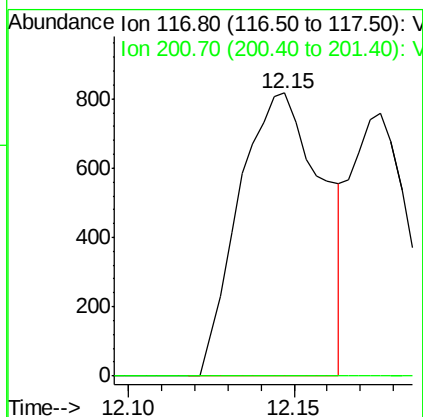
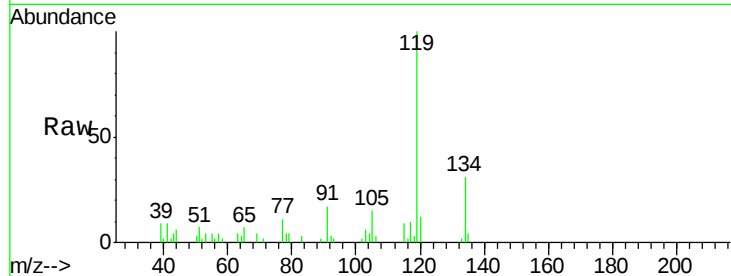




#90
Hexachloroethane
Concen: 2.376 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

Instrument :
MSVOA_U
ClientSampleId :
P001-SW003-01

Tot Ion:117 Resp: 1432
Ion Ratio Lower Upper
117 100
201 0.0 38.1 114.5#



#95
Naphthalene
Concen: 9.322 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028591.D
Acq: 11 Dec 2018 08:05

Tgt Ion:128 Resp: 45249
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.7 8.6 13.0

