

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121418\
 Data File : VU028677.D
 Acq On : 13 Dec 2018 14:38
 Operator : MD/SY
 Sample : J6347-16MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MSD

Quant Time: Dec 14 05:37:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	14067	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	5389	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	5160	1.08	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	51745	10.226	ug/l	100
3) Chloromethane	1.33	50	81249	9.434	ug/l	100
4) Vinyl Chloride	1.40	62	61481	10.430	ug/l	97
5) Bromomethane	1.61	94	24049	10.355	ug/l	99
6) Chloroethane	1.69	64	33851	9.837	ug/l	98
7) Trichlorofluoromethane	1.88	101	68197	10.593	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	39610	10.697	ug/l	99
9) 1,1-Dichloroethene	2.28	96	35520	10.371	ug/l	96
10) Iodomethane	2.41	142	39939	17.243	ug/l	99
11) Allyl Chloride	2.59	41	83916	9.705	ug/l	100
12) Acrylonitrile	2.94	53	22410	20.542	ug/l	96
13) Acetone	2.32	43	43998	43.521	ug/l	99
14) Carbon Disulfide	2.48	76	129805	9.978	ug/l	100
15) Methylene Chloride	2.70	84	42144	10.091	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	39113	10.204	ug/l	99
17) 1,1-Dichloroethane	3.44	63	85892	10.052	ug/l	99
18) 2-Butanone	4.28	43	77739	51.460	ug/l	100
19) Cyclohexane	4.98	56	72300	9.747	ug/l	97
20) Methylcyclohexane	6.40	83	66855	9.207	ug/l	98
21) 2,2-Dichloropropane	4.22	77	67551	9.850	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	44431	9.906	ug/l	99
23) Diethyl Ether	2.10	59	35153	10.239	ug/l	99
24) tert-Butyl Alcohol	2.84	59	35492	102.992	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	104897	10.311	ug/l	98
26) Bromochloromethane	4.55	128	16914	9.892	ug/l	97
27) Chloroform	4.67	83	77129	9.360	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	63889	9.928	ug/l	99
29) 1,1-Dichloropropene	5.13	75	59741	9.677	ug/l	99
30) Carbon Tetrachloride	5.12	117	50613	9.740	ug/l	99
31) Isopropyl Ether	3.58	45	154863	10.121	ug/l	99
32) Ethyl-t-butyl ether	4.08	59	126510	10.038	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	101642	9.722	ug/l	100
34) Propionitrile	4.33	54	21622	56.975	ug/l #	97
35) Benzene	5.38	78	171046	9.412	ug/l	99
36) 1,2-Dichloroethane	5.40	62	54046	9.943	ug/l	99
37) Trichloroethene	6.18	130	47473	11.993	ug/l	98
38) 1,2-Dichloropropane	6.43	63	49304	9.513	ug/l	98
39) Methacrylonitrile	4.55	41	20201	9.937	ug/l	98
40) Methyl acrylate	4.43	55	29313	10.482	ug/l #	97
41) Tetrahydrofuran	4.66	42	20691	20.250	ug/l	99
42) 1-Chlorobutane	5.06	56	92973	9.474	ug/l	98

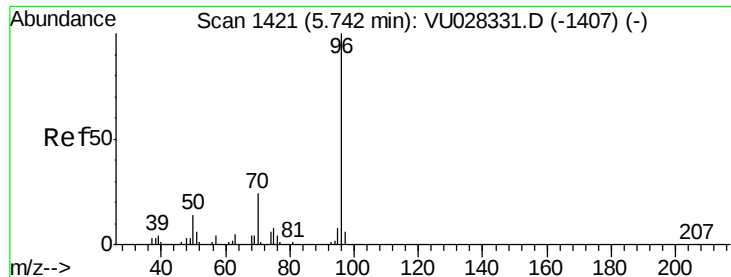
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	21688	9.830	ug/l	98
44) Bromodichloromethane	6.76	83	55864	9.589	ug/l	94
45) 4-Methyl-2-Pentanone	7.48	43	177565	50.107	ug/l	100
46) t-1,4-Dichloro-2-butene	10.49	75	29039	22.404	ug/l	96
47) Methyl methacrylate	6.63	69	45911	20.387	ug/l	98
48) Ethyl methacrylate	8.03	69	44883	9.964	ug/l	96
49) Toluene	7.63	92	99093	9.818	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	53782	9.612	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	65123	9.425	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	31559	10.189	ug/l	99
53) 1,3-Dichloropropane	8.24	76	58008	10.026	ug/l	99
54) 2-Hexanone	8.37	43	126788	49.735	ug/l	99
55) Dibromochloromethane	8.48	129	33466	10.158	ug/l	100
56) 1,2-Dibromoethane	8.59	107	29001	10.279	ug/l	98
58) Tetrachloroethene	8.22	164	33649	9.285	ug/l	97
59) Chlorobenzene	9.12	112	104845	9.983	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	36139	10.154	ug/l	99
61) Pentachloroethane	11.10	117	32414	11.703	ug/l	99
62) Hexachloroethane	12.14	117	29200	11.251	ug/l	97
63) Ethyl Benzene	9.25	91	197279	10.180	ug/l	100
64) m/p-Xylenes	9.37	106	147812	21.077	ug/l	100
65) o-Xylene	9.78	106	70469	10.413	ug/l	98
66) Styrene	9.79	104	125374	10.801	ug/l	98
67) Bromoform	9.96	173	19211	10.404	ug/l	98
69) Isopropylbenzene	10.17	105	187542	10.349	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	45139	10.864	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	29039	10.026	ug/l #	94
72) Bromobenzene	10.45	156	43411	10.793	ug/l	99
73) n-propylbenzene	10.59	120	51303	10.916	ug/l	97
74) 2-Chlorotoluene	10.66	126	45154	10.964	ug/l	95
75) 1,3,5-Trimethylbenzene	10.77	105	165697	10.864	ug/l	98
76) 4-Chlorotoluene	10.77	126	44973	10.771	ug/l	99
77) tert-Butylbenzene	11.10	119	156436	10.895	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	169622	10.853	ug/l	99
79) sec-Butylbenzene	11.32	105	216548	10.818	ug/l	99
80) Nitrobenzene	12.86	77	11210	59.890	ug/l	99
81) p-Isopropyltoluene	11.48	119	172938	10.872	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	89636	11.126	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	89483	11.159	ug/l	99
84) n-Butylbenzene	11.89	91	181112	10.845	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	85269	11.119	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	7125	10.660	ug/l	95
87) 1,2,4-Trichlorobenzene	13.50	180	56537	10.488	ug/l	99
88) Hexachlorobutadiene	13.69	225	31318	10.737	ug/l	99
89) Naphthalene	13.74	128	113376	10.642	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	54504	10.723	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MSD

Tot Ion: 96 Resp: 14067

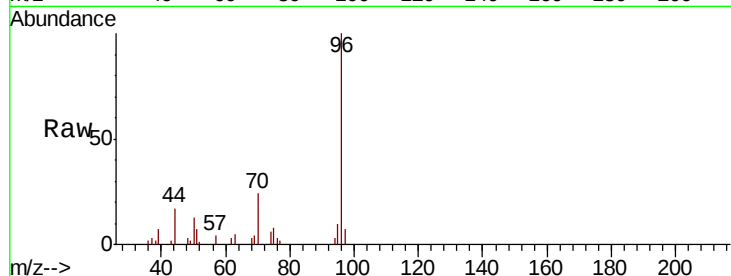
Ion Ratio Lower Upper

96 100

70 23.3 17.8 26.8

95 8.9 7.6 11.4

97 0.0 0.0 0.0

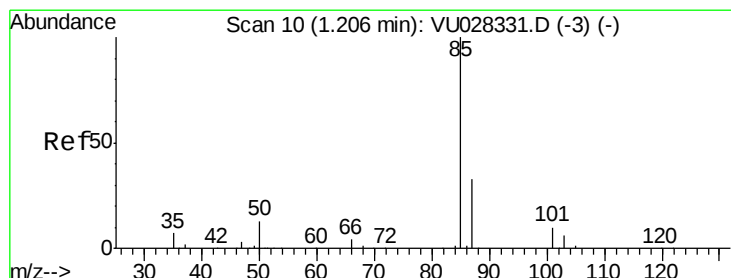
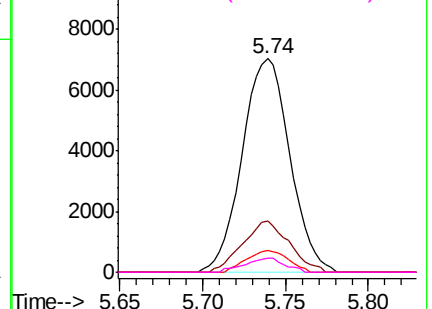
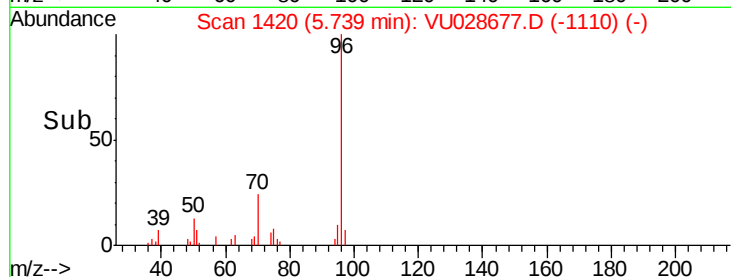


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 10.226 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028677.D

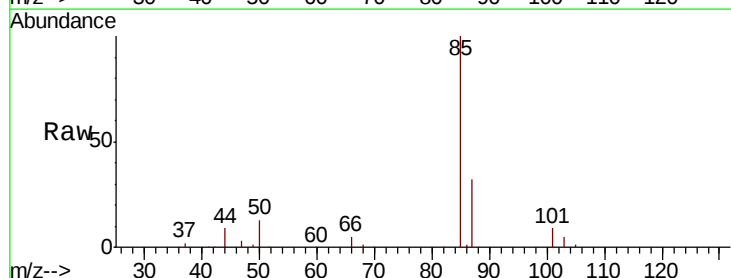
Acq: 13 Dec 2018 14:38

Tgt Ion: 85 Resp: 51745

Ion Ratio Lower Upper

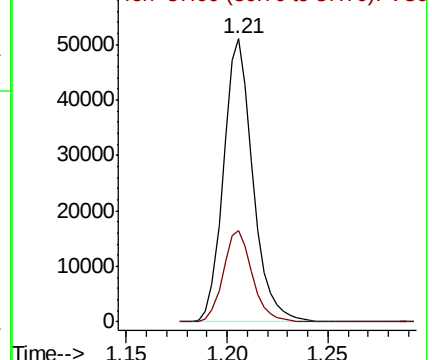
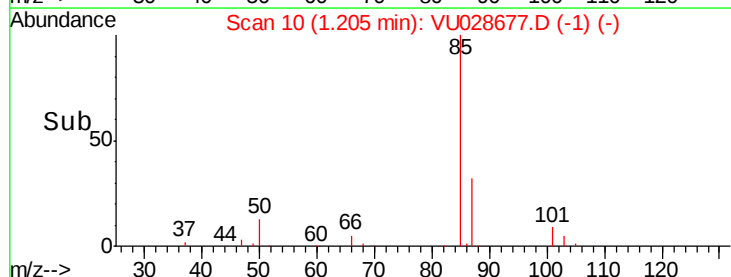
85 100

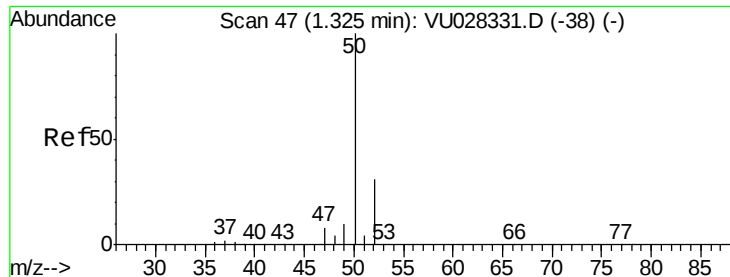
87 32.4 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 9.434 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

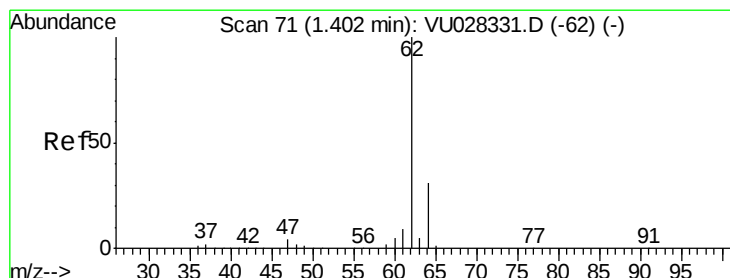
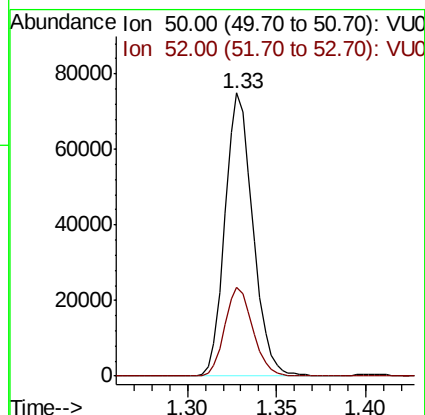
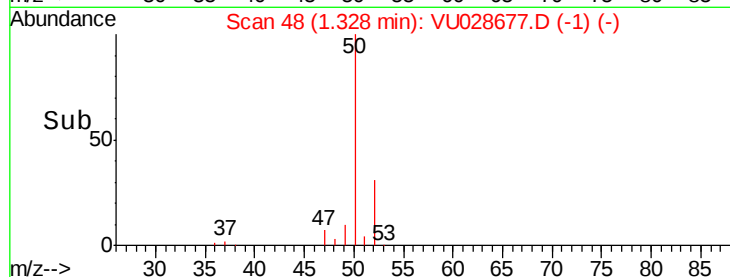
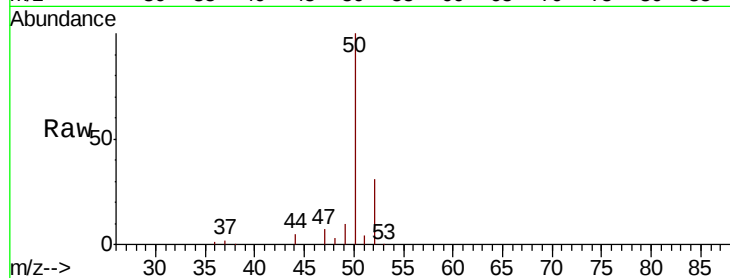
P001-TW001-01MSD

Tot Ion: 50 Resp: 81249

Ion Ratio Lower Upper

50 100

52 31.4 25.1 37.7



#4

Vinyl Chloride

Concen: 10.430 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028677.D

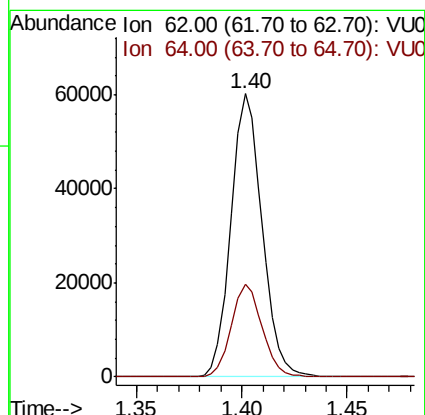
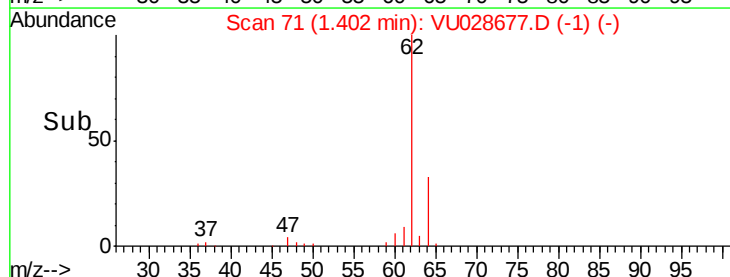
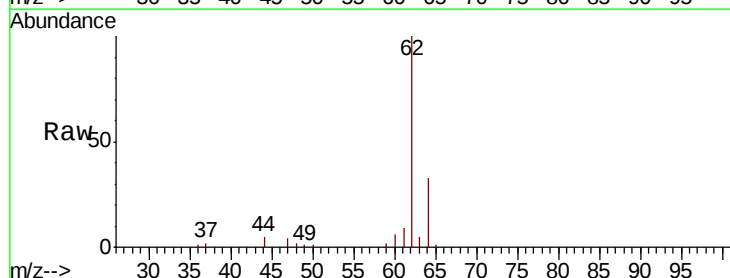
Acq: 13 Dec 2018 14:38

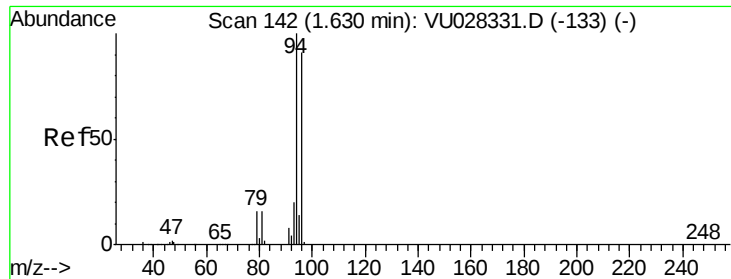
Tgt Ion: 62 Resp: 61481

Ion Ratio Lower Upper

62 100

64 32.6 24.7 37.1





#5

Bromomethane

Concen: 10.355 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.02 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

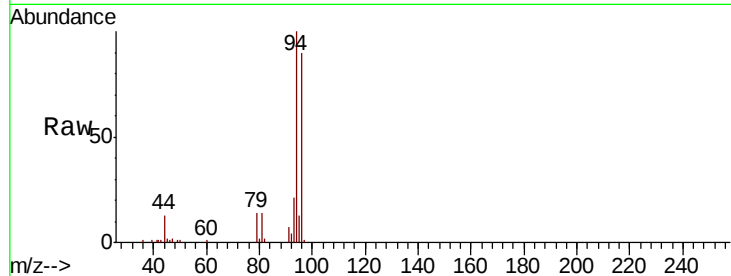
P001-TW001-01MSD

Tot Ion: 94 Resp: 24049

Ion Ratio Lower Upper

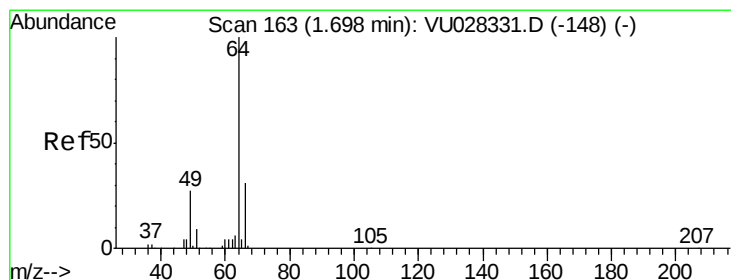
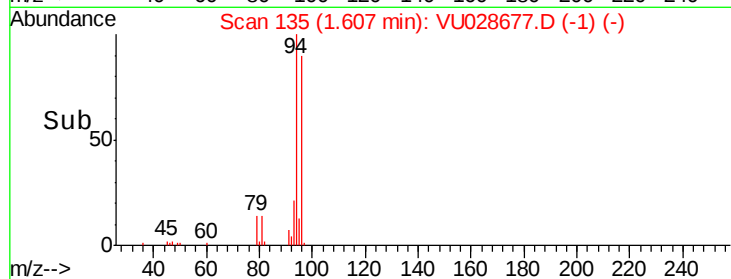
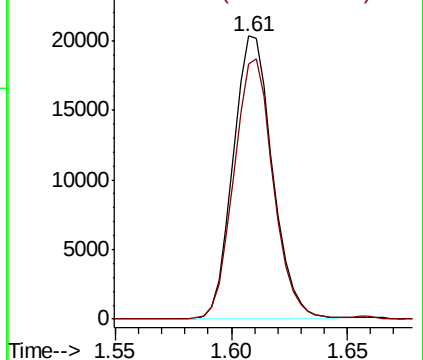
94 100

96 90.0 73.1 109.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 9.837 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028677.D

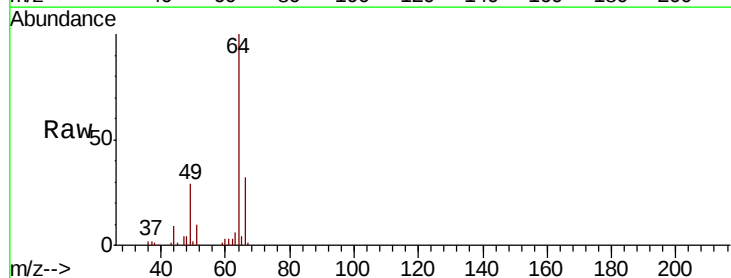
Acq: 13 Dec 2018 14:38

Tgt Ion: 64 Resp: 33851

Ion Ratio Lower Upper

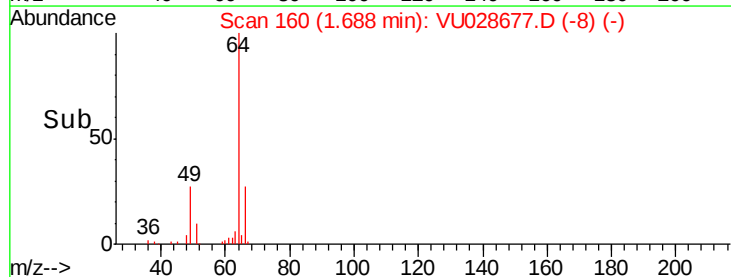
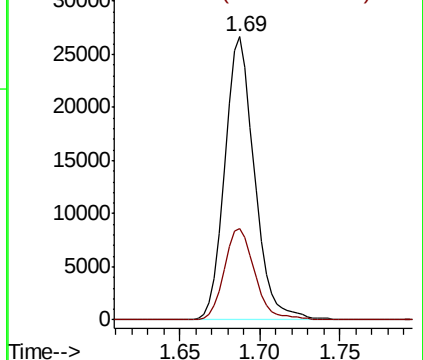
64 100

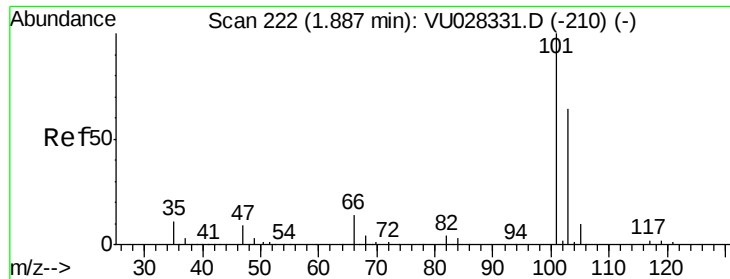
66 32.3 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



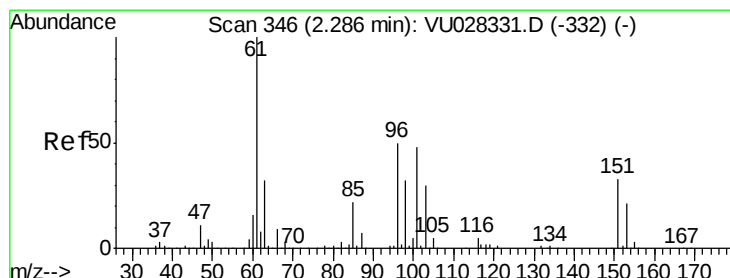
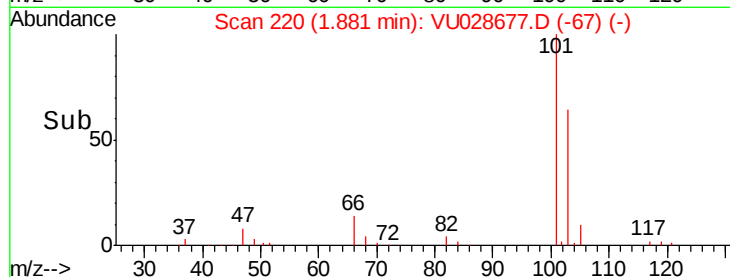
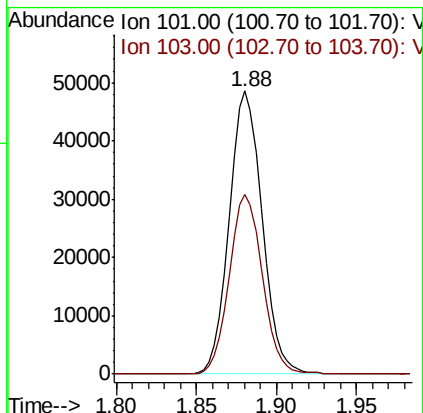
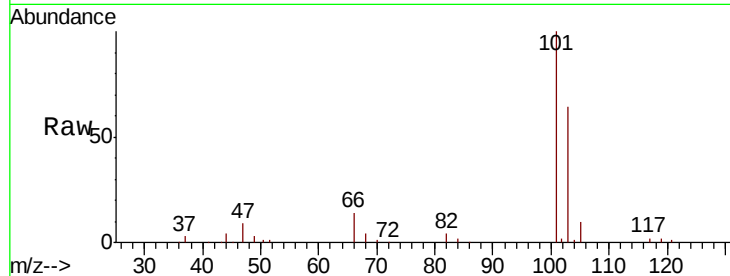


#7

Trichlorofluoromethane
 Concen: 10.593 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028677.D
 Acq: 13 Dec 2018 14:38

Instrument :
 MSVOA_U
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 P001-TW001-01MSD

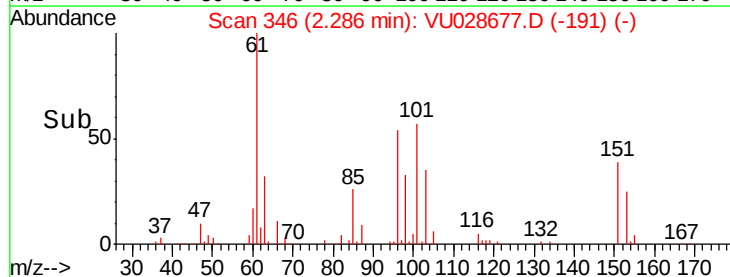
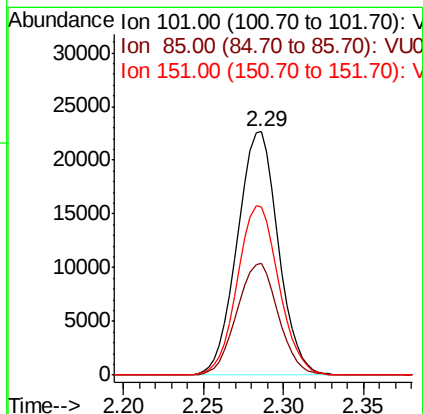
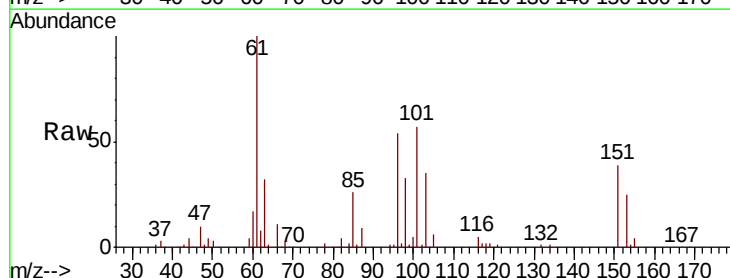
Tot Ion:101 Resp: 68197
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.4 77.0

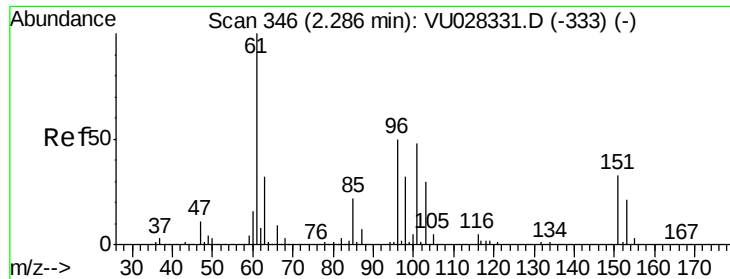


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.697 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU028677.D
 Acq: 13 Dec 2018 14:38

Tgt Ion:101 Resp: 39610
 Ion Ratio Lower Upper
 101 100
 85 46.2 36.7 55.1
 151 70.2 55.8 83.6





#9

1,1-Dichloroethene

Concen: 10.371 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MSD

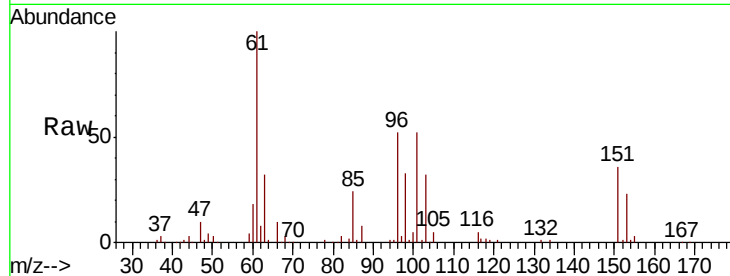
Tot Ion: 96 Resp: 35520

Ion Ratio Lower Upper

96 100

61 191.1 0.0 597.6

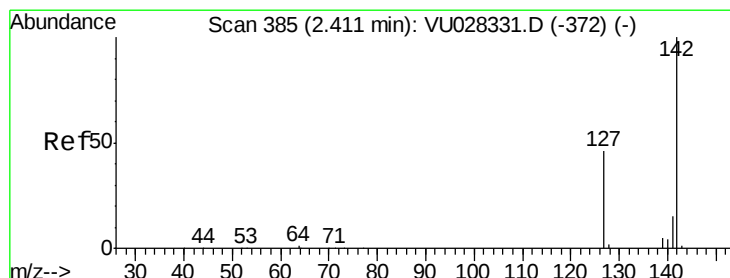
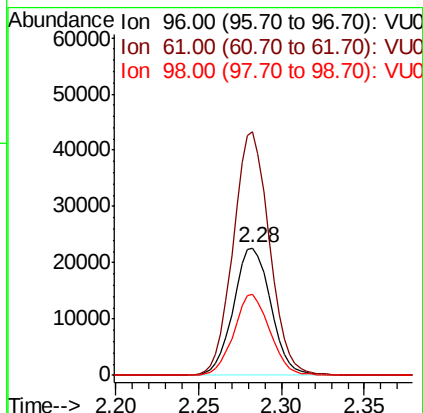
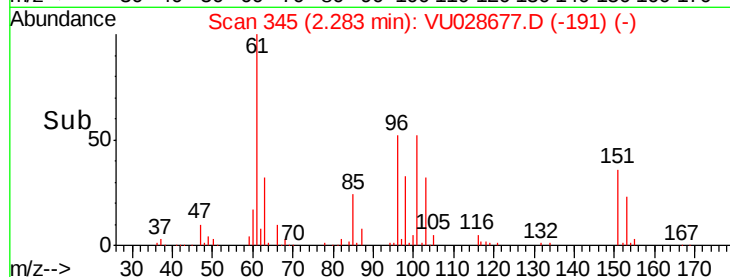
98 63.7 0.0 127.6



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 17.243 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028677.D

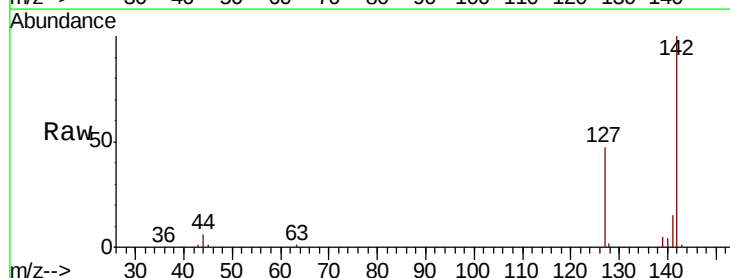
Acq: 13 Dec 2018 14:38

Tgt Ion: 142 Resp: 39939

Ion Ratio Lower Upper

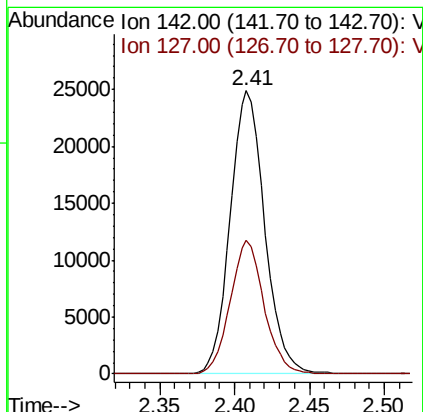
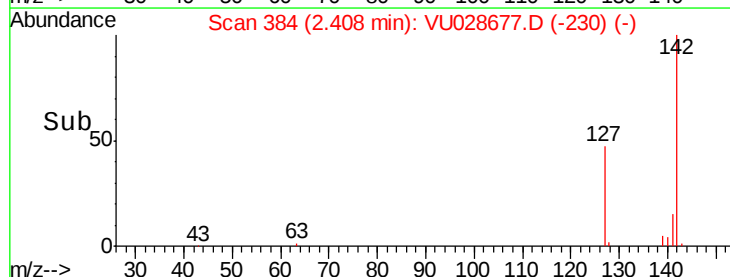
142 100

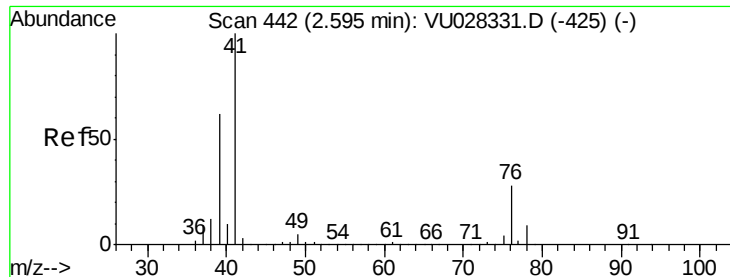
127 46.2 36.4 54.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

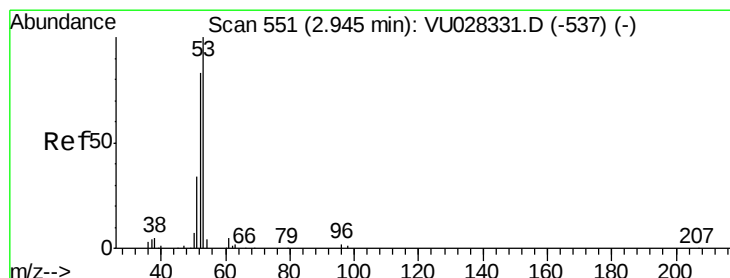
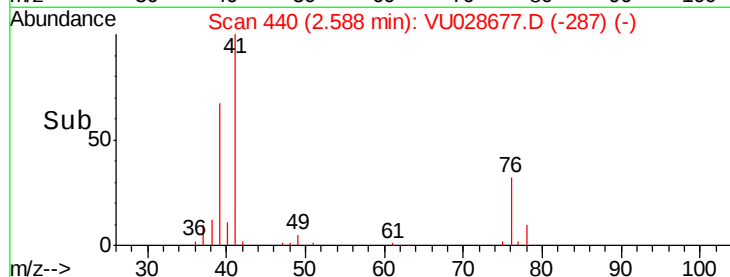
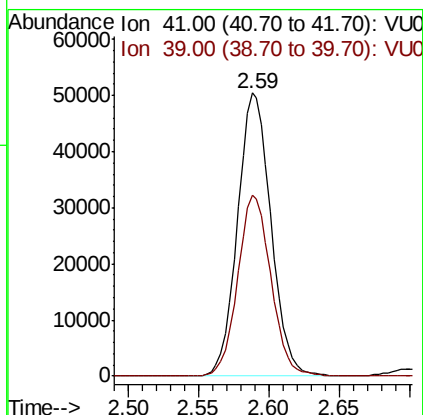
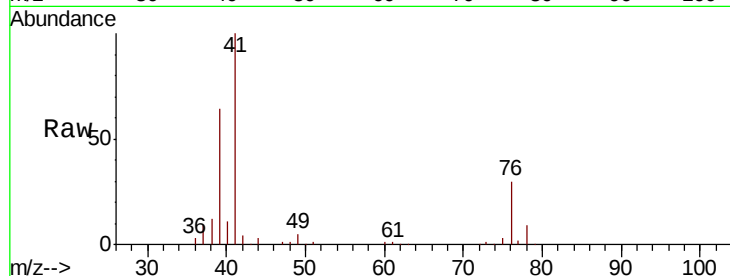




#11
Allvl Chloride
Concen: 9.705 ug/l
RT: 2.59 min Scan# 440
Delta R.T. -0.01 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

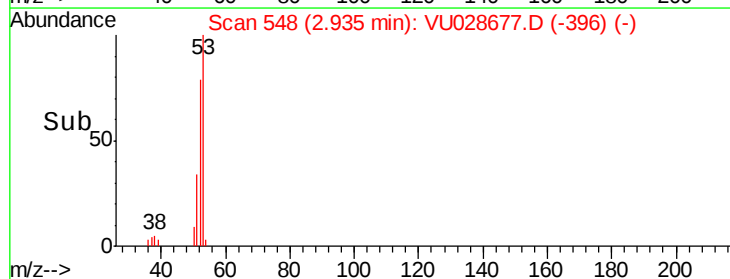
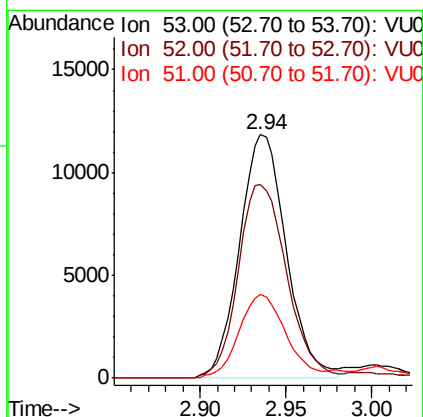
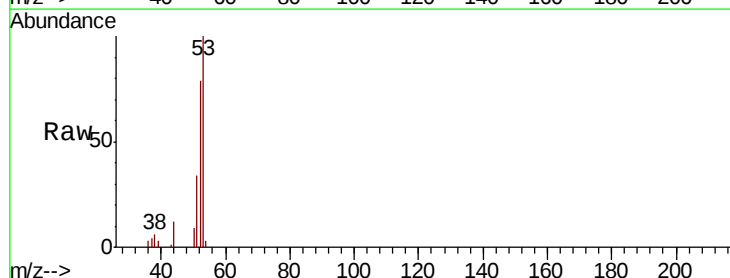
Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MSD

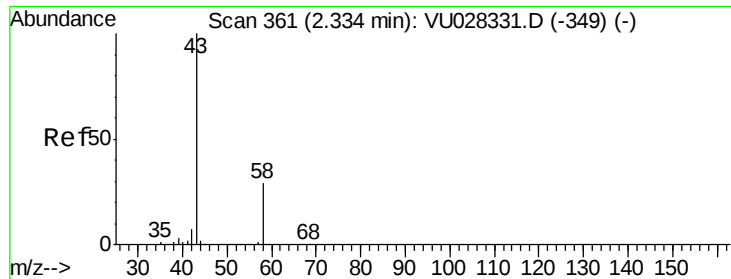
Tot Ion: 41 Resp: 83916
Ion Ratio Lower Upper
41 100
39 63.7 50.8 76.2



#12
Acrylonitrile
Concen: 20.542 ug/l
RT: 2.94 min Scan# 548
Delta R.T. -0.01 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

Tgt Ion: 53 Resp: 22410
Ion Ratio Lower Upper
53 100
52 82.3 69.3 103.9
51 34.2 27.8 41.8





#13

Acetone

Concen: 43.521 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.01 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

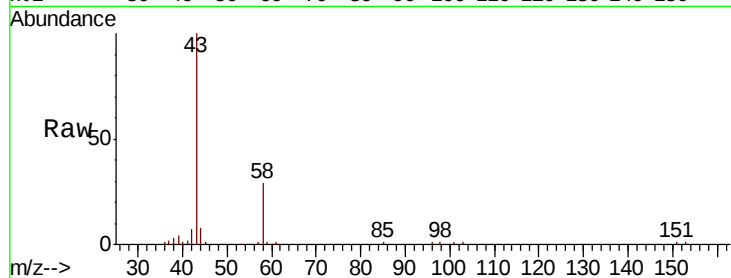
P001-TW001-01MSD

Tot Ion: 43 Resp: 43998

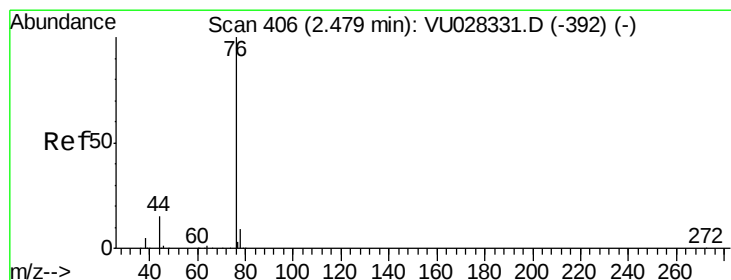
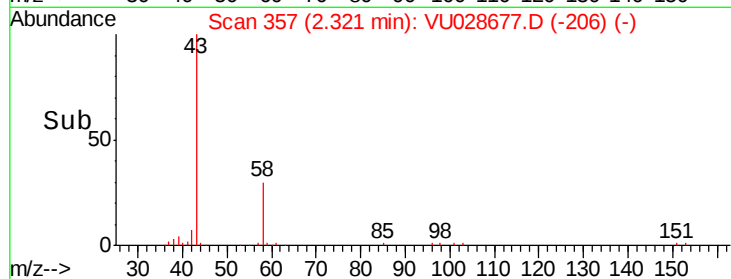
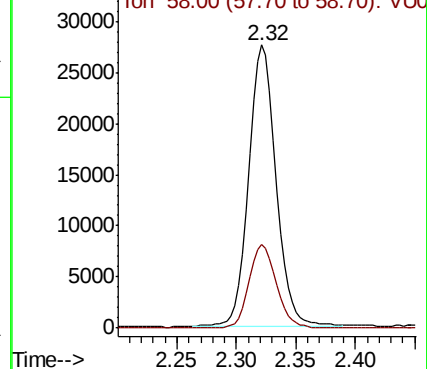
Ion Ratio Lower Upper

43 100

58 29.6 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0



#14

Carbon Disulfide

Concen: 9.978 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028677.D

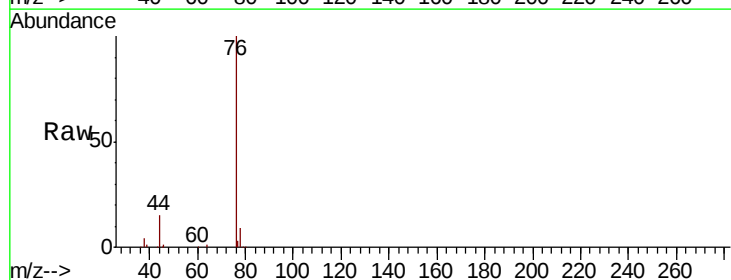
Acq: 13 Dec 2018 14:38

Tgt Ion: 76 Resp: 129805

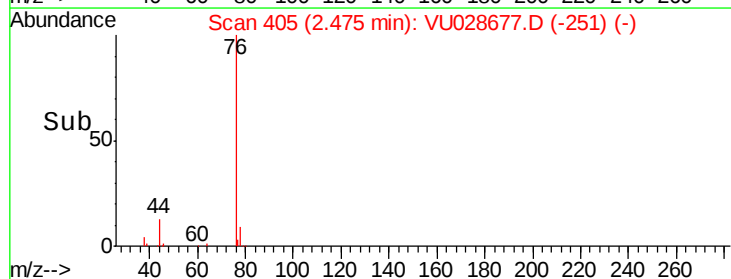
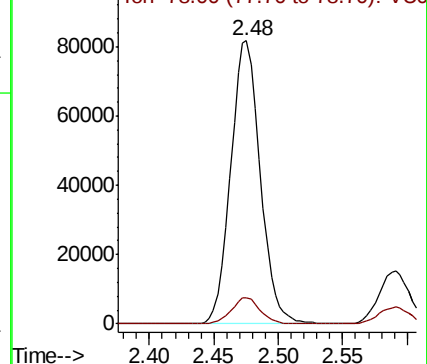
Ion Ratio Lower Upper

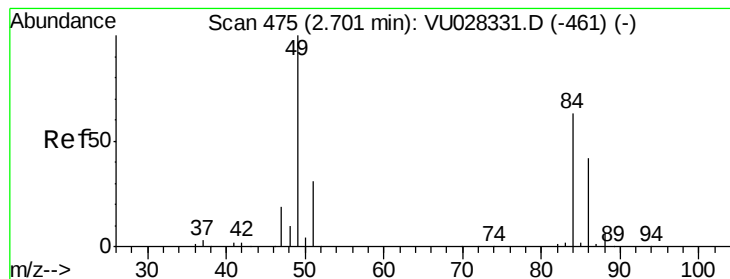
76 100

78 9.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0





#15

Methylene Chloride

Concen: 10.091 ug/l

RT: 2.70 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MSD

Tot Ion: 84 Resp: 42144

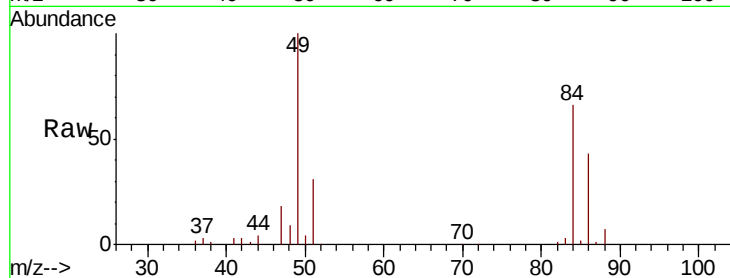
Ion Ratio Lower Upper

84 100

49 151.0 127.7 191.5

51 46.3 0.0 98.2

86 64.7 53.1 79.7

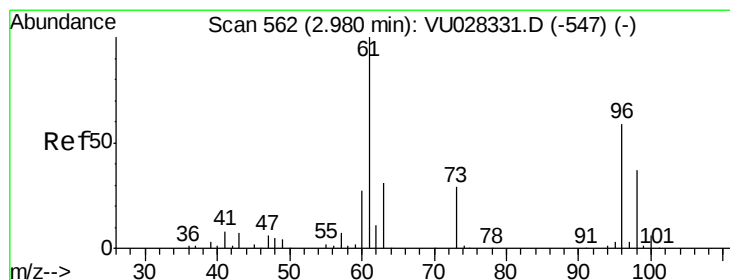
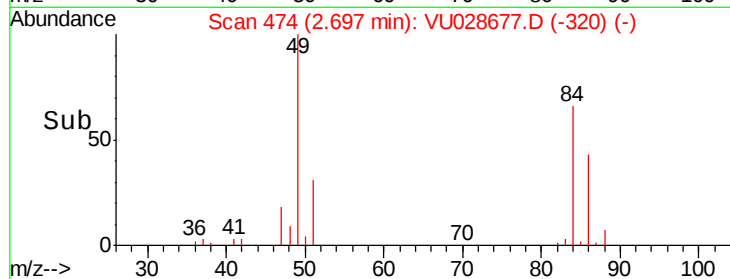
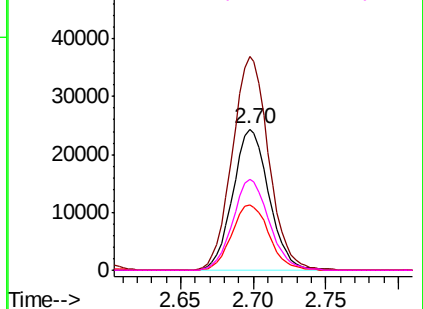


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 10.204 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

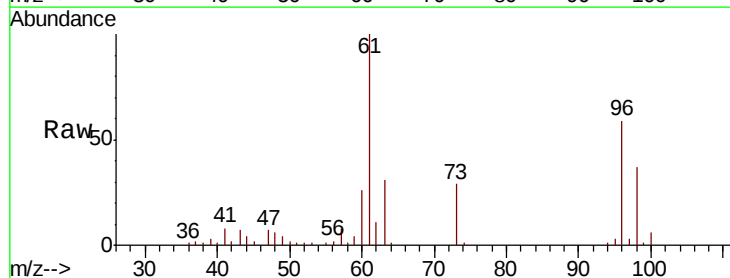
Tgt Ion: 96 Resp: 39113

Ion Ratio Lower Upper

96 100

61 168.2 136.4 204.6

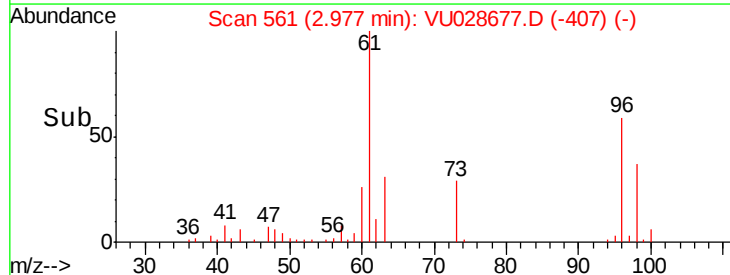
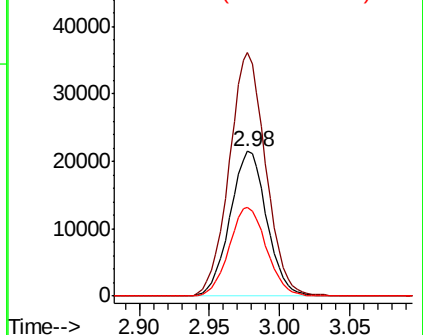
98 61.7 49.8 74.8

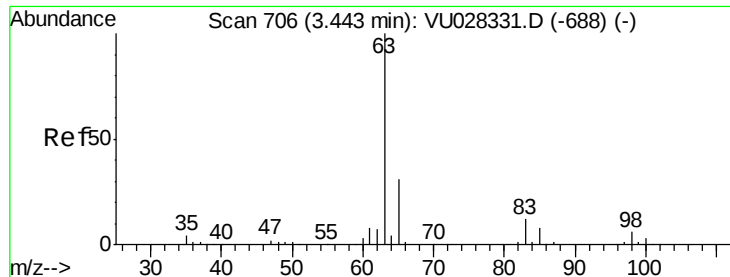


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

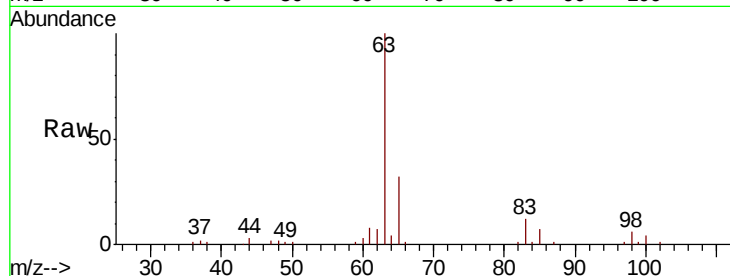




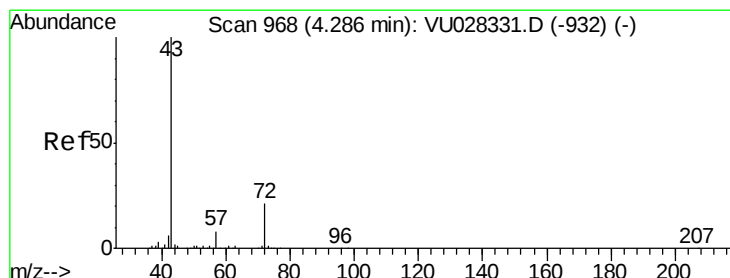
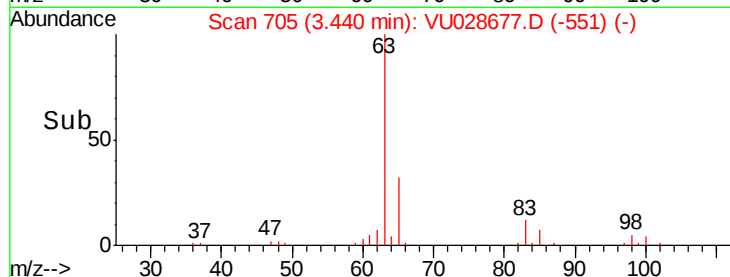
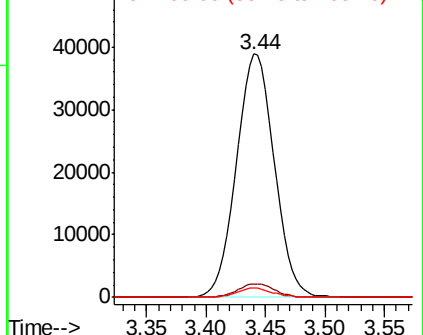
#17
 1,1-Dichloroethane
 Concen: 10.052 ug/l
 RT: 3.44 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VU028677.D
 Acq: 13 Dec 2018 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MSD

Tot Ion: 63 Resp: 85892
 Ion Ratio Lower Upper
 63 100
 98 5.5 3.0 9.0
 100 4.0 1.8 5.3

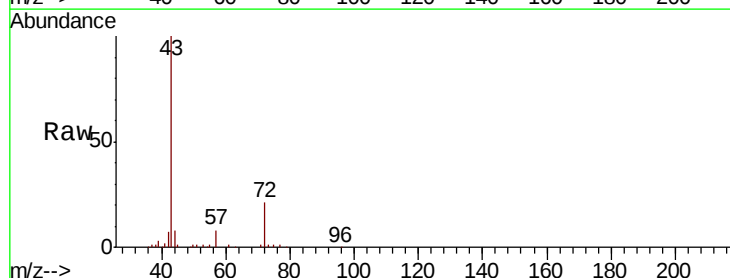


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

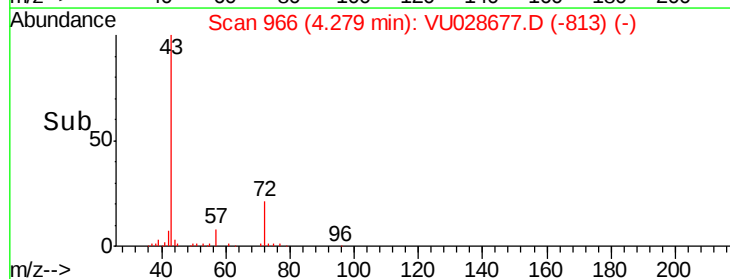
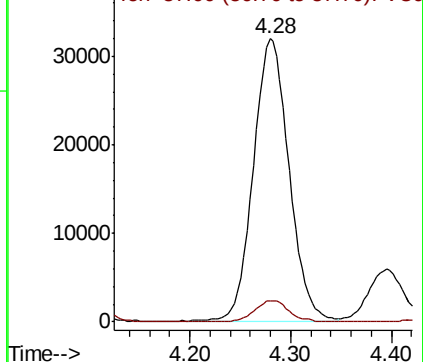


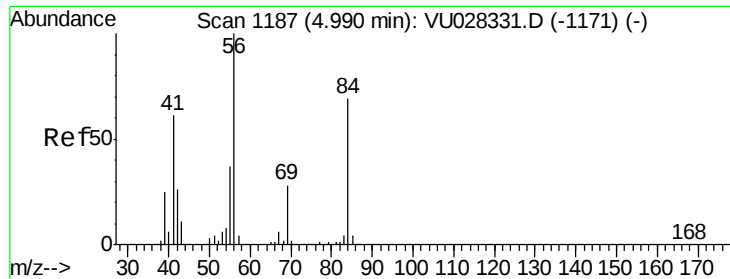
#18
 2-Butanone
 Concen: 51.460 ug/l
 RT: 4.28 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: VU028677.D
 Acq: 13 Dec 2018 14:38

Tgt Ion: 43 Resp: 77739
 Ion Ratio Lower Upper
 43 100
 57 7.6 0.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0

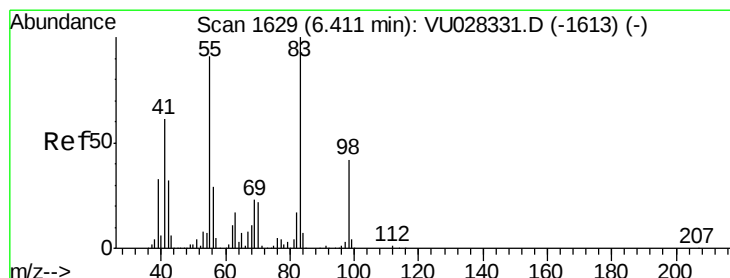
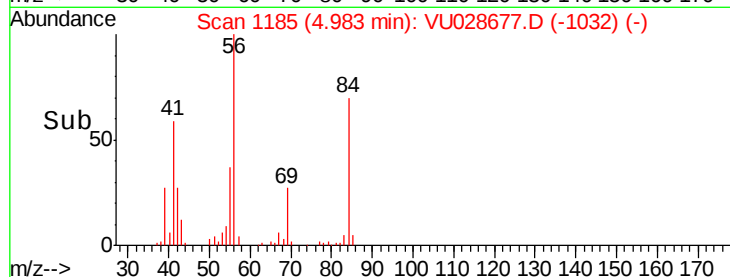
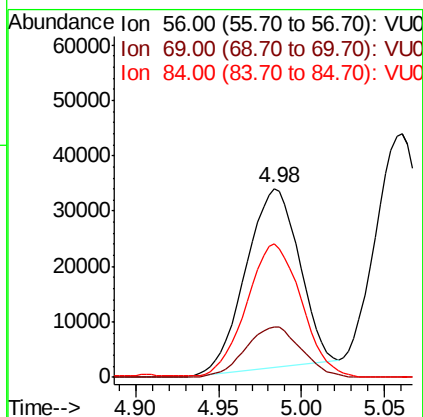
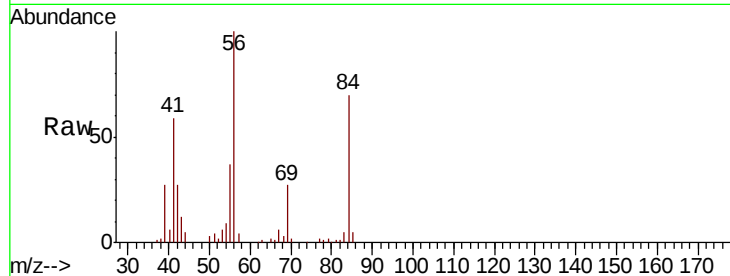




#19
Cyclohexane
Concen: 9.747 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

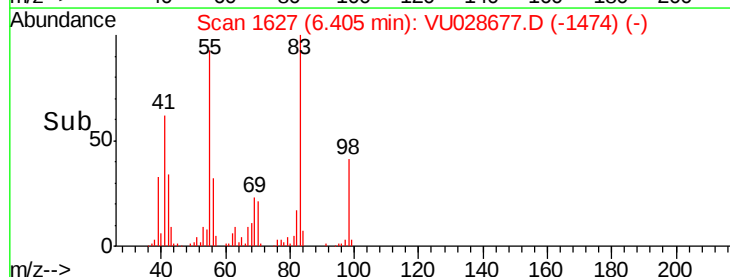
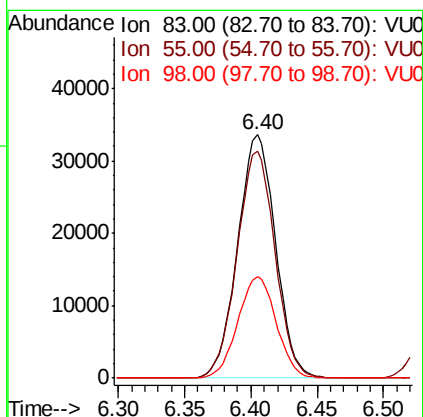
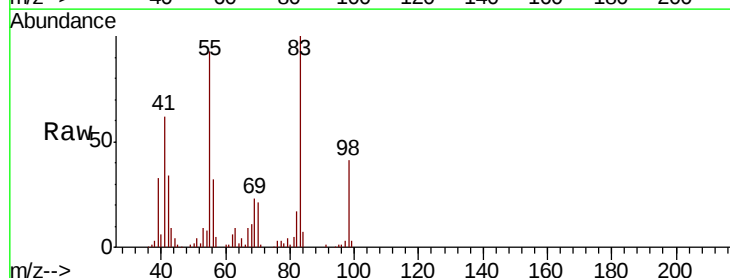
Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MSD

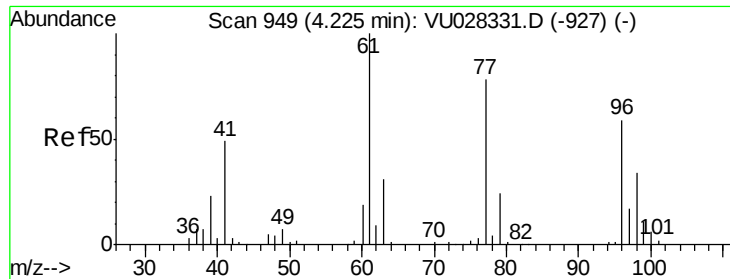
Tot Ion: 56 Resp: 72300
Ion Ratio Lower Upper
56 100
69 29.6 25.0 37.6
84 76.2 62.6 94.0



#20
Methylcyclohexane
Concen: 9.207 ug/l
RT: 6.40 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

Tgt Ion: 83 Resp: 66855
Ion Ratio Lower Upper
83 100
55 93.4 72.6 108.8
98 42.1 33.8 50.8

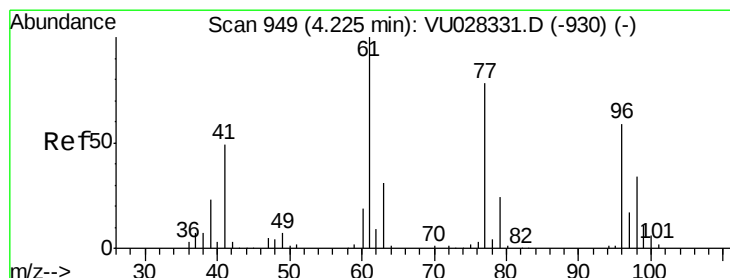
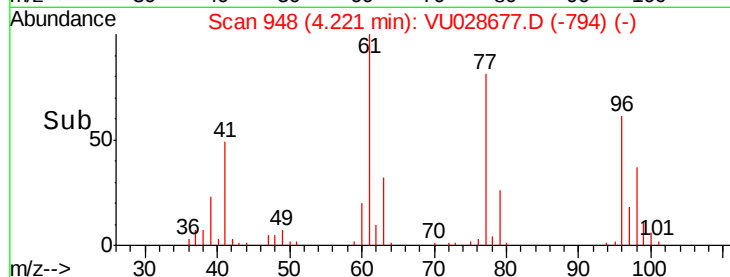
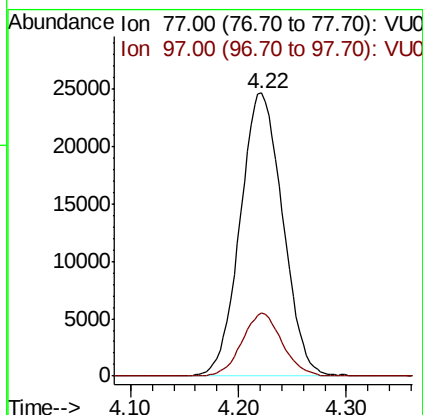
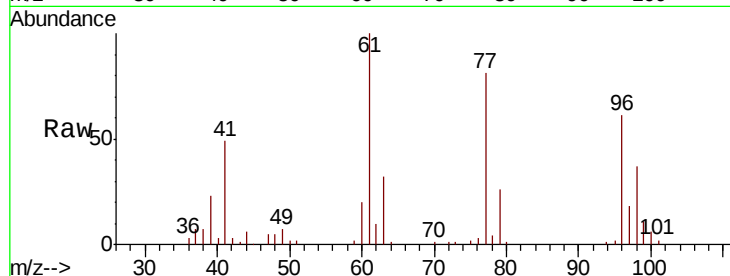




#21
 2,2-Dichloropropane
 Concen: 9.850 ug/l
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU028677.D
 Acq: 13 Dec 2018 14:38

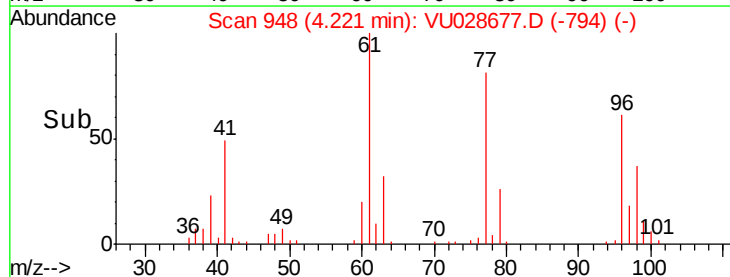
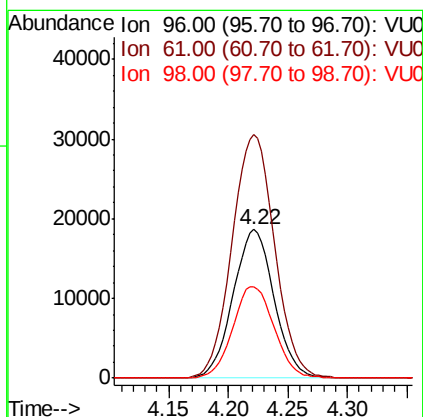
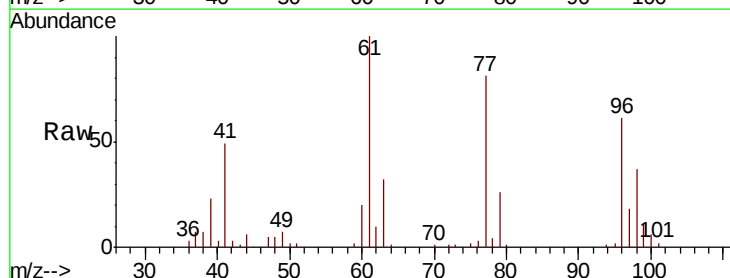
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MSD

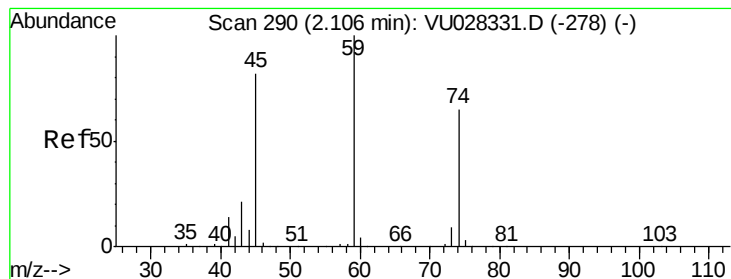
Tot Ion: 77 Resp: 67551
 Ion Ratio Lower Upper
 77 100
 97 21.0 17.4 26.2



#22
 cis-1,2-Dichloroethene
 Concen: 9.906 ug/l
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU028677.D
 Acq: 13 Dec 2018 14:38

Tgt Ion: 96 Resp: 44431
 Ion Ratio Lower Upper
 96 100
 61 170.2 0.0 423.0
 98 62.1 30.3 91.0





#23

Diethyl Ether

Concen: 10.239 ug/l

RT: 2.10 min Scan# 289

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MSD

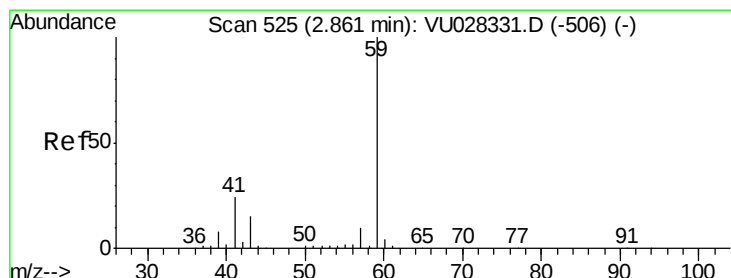
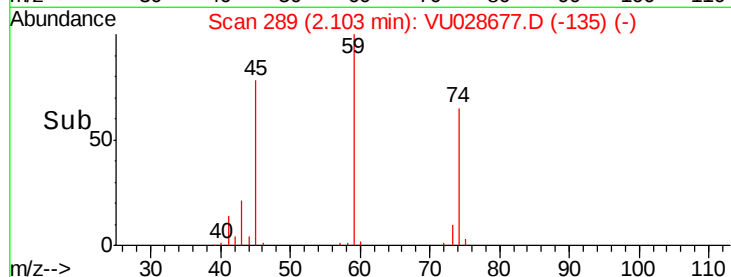
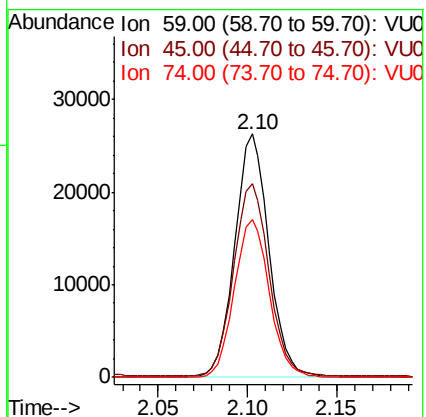
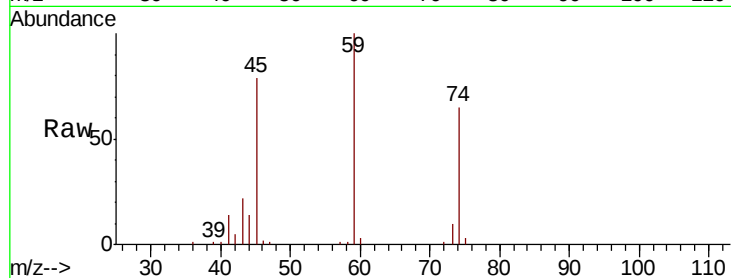
Tot Ion: 59 Resp: 35153

Ion Ratio Lower Upper

59 100

45 81.7 66.4 99.6

74 66.4 52.2 78.4



#24

tert-Butyl Alcohol

Concen: 102.992 ug/l

RT: 2.84 min Scan# 518

Delta R.T. -0.02 min

Lab File: VU028677.D

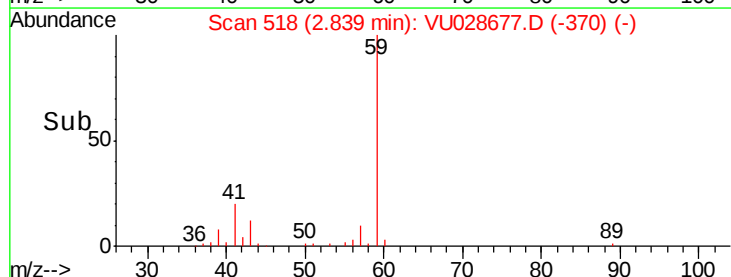
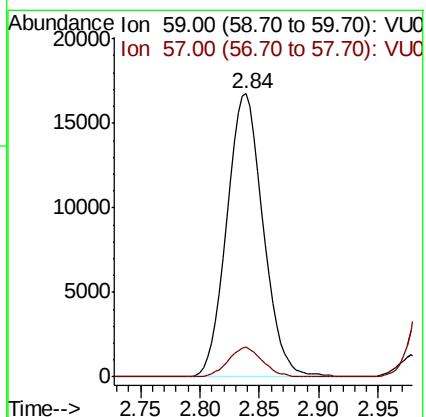
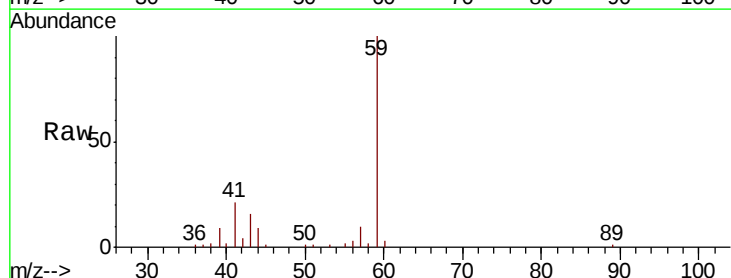
Acq: 13 Dec 2018 14:38

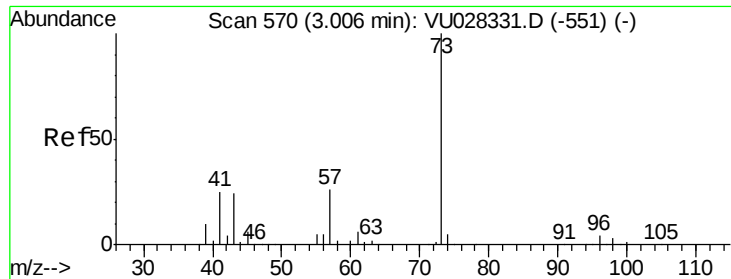
Tgt Ion: 59 Resp: 35492

Ion Ratio Lower Upper

59 100

57 9.8 8.2 12.4



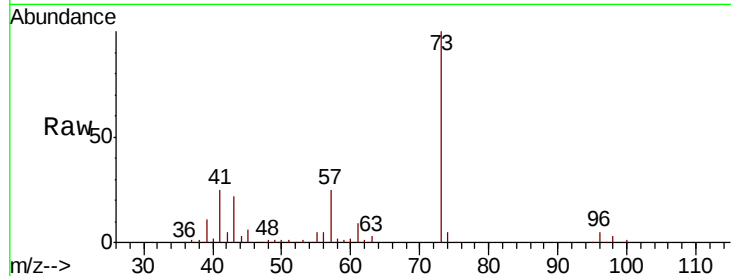


#25

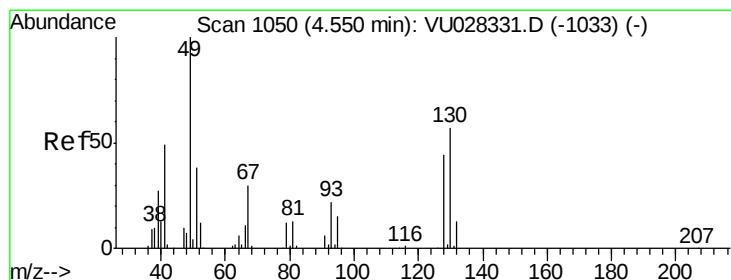
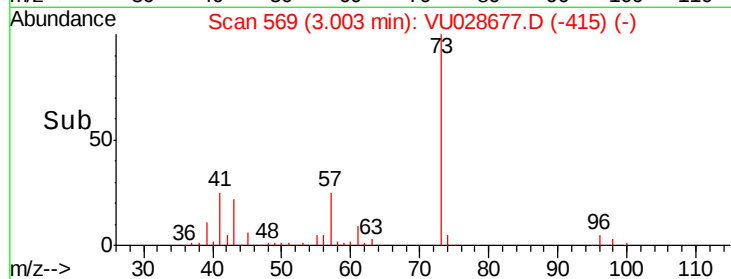
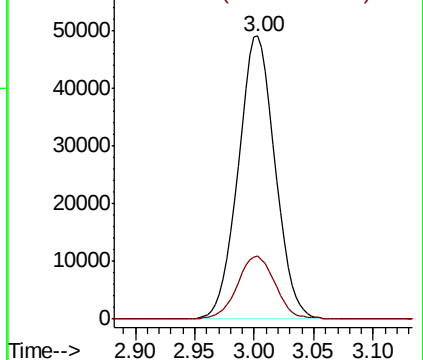
Methyl tert-Butyl Ether
 Concen: 10.311 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VU028677.D
 Acq: 13 Dec 2018 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MSD

Tot Ion: 73 Resp: 104897
 Ion Ratio Lower Upper
 73 100
 43 22.3 18.5 27.7



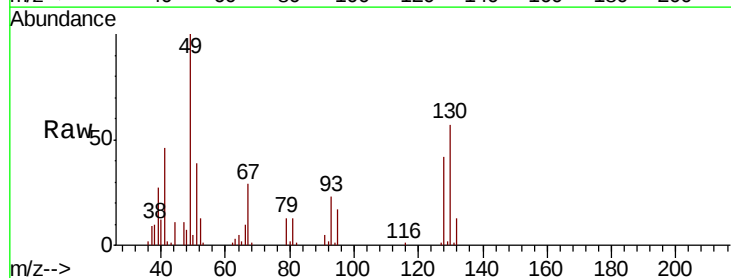
Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0



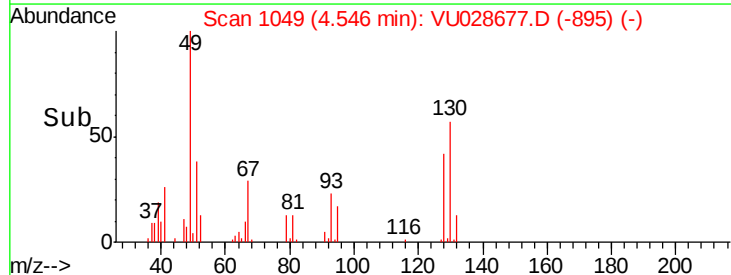
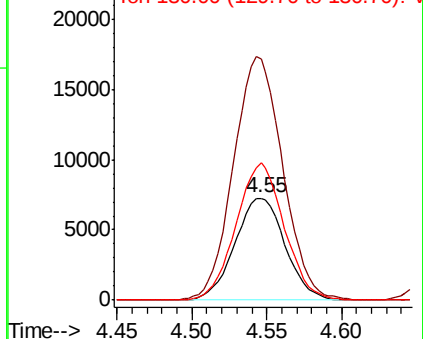
#26

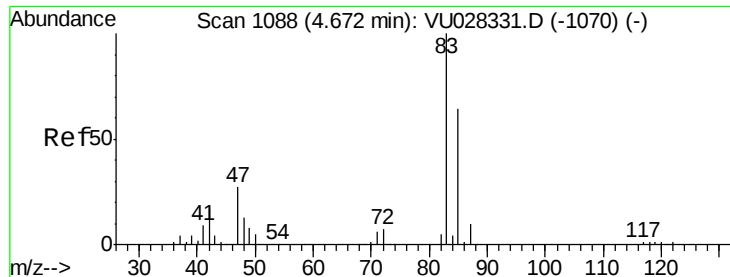
Bromochloromethane
 Concen: 9.892 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028677.D
 Acq: 13 Dec 2018 14:38

Tgt Ion: 128 Resp: 16914
 Ion Ratio Lower Upper
 128 100
 49 235.1 0.0 457.6
 130 129.0 101.4 152.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VU0
 Ion 130.00 (129.70 to 130.70): V

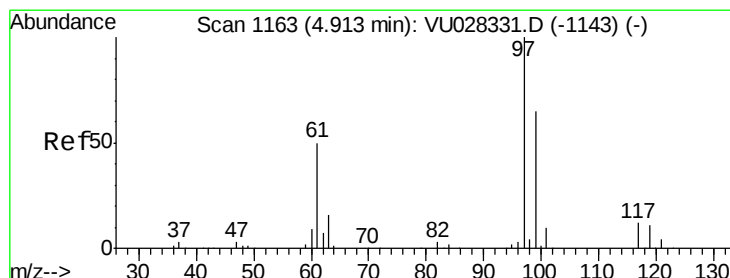
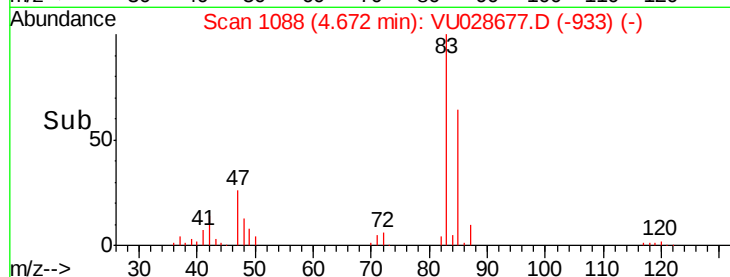
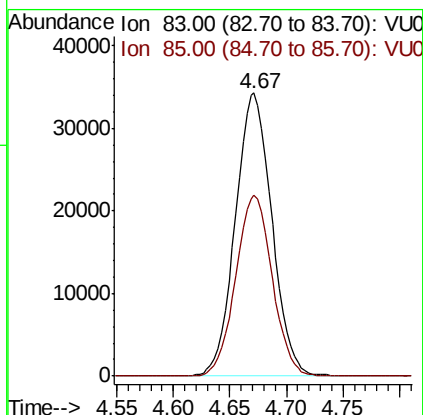
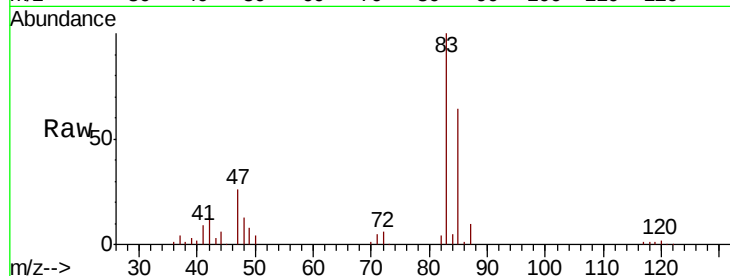




#27
Chloroform
Concen: 9.360 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

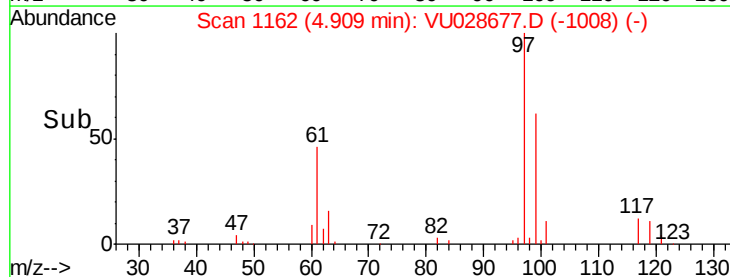
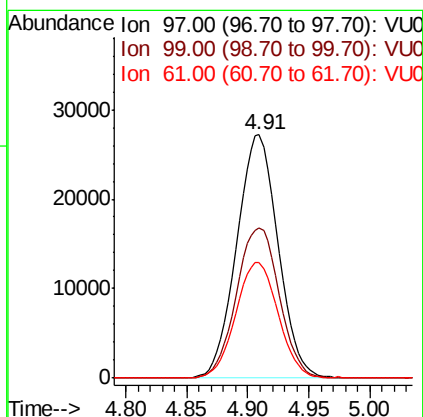
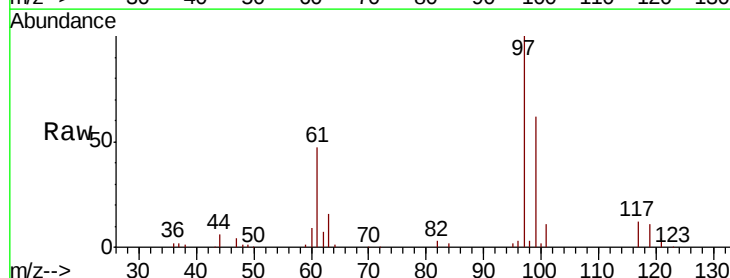
Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MSD

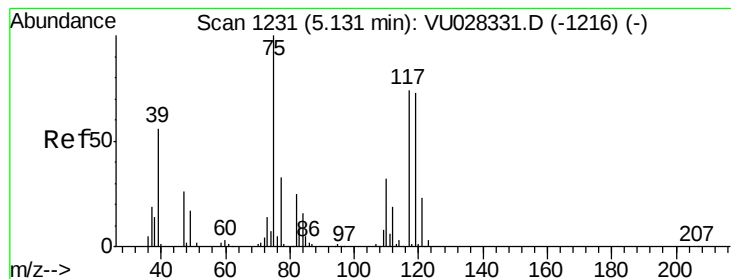
Tot Ion: 83 Resp: 77129
Ion Ratio Lower Upper
83 100
85 64.0 0.0 128.0



#28
1,1,1-Trichloroethane
Concen: 9.928 ug/l
RT: 4.91 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

Tgt Ion: 97 Resp: 63889
Ion Ratio Lower Upper
97 100
99 63.8 32.2 96.6
61 48.6 24.9 74.7





#29

1,1-Dichloropropene

Concen: 9.677 ug/l

RT: 5.13 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MSD

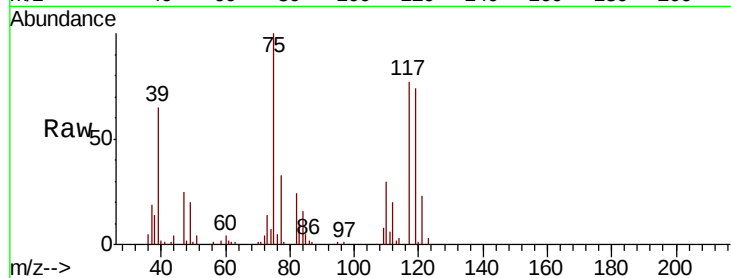
Tot Ion: 75 Resp: 59741

Ion Ratio Lower Upper

75 100

110 30.5 15.8 47.3

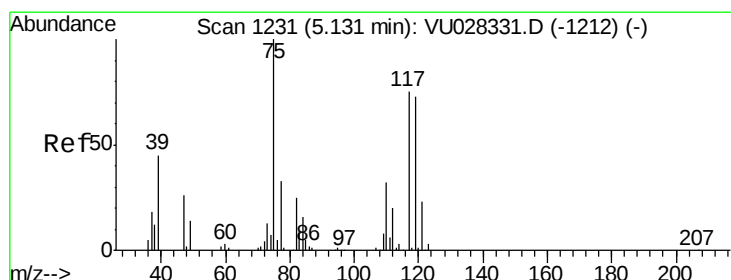
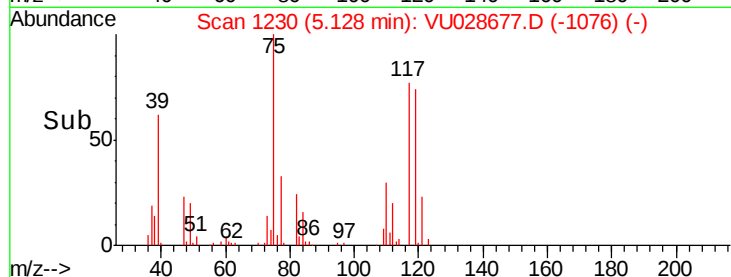
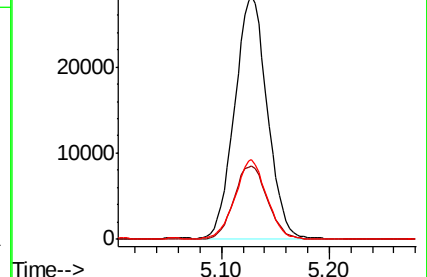
77 31.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU028331.D (-1216) (-)

Ion 110.00 (109.70 to 110.70): VU028331.D (-1216) (-)

Ion 77.00 (76.70 to 77.70): VU028331.D (-1216) (-)



#30

Carbon Tetrachloride

Concen: 9.740 ug/l

RT: 5.12 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

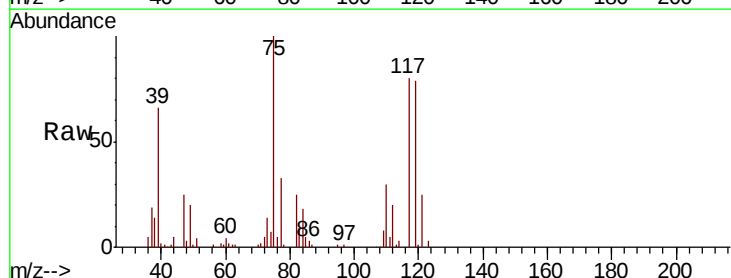
Tgt Ion: 117 Resp: 50613

Ion Ratio Lower Upper

117 100

119 99.3 78.2 117.4

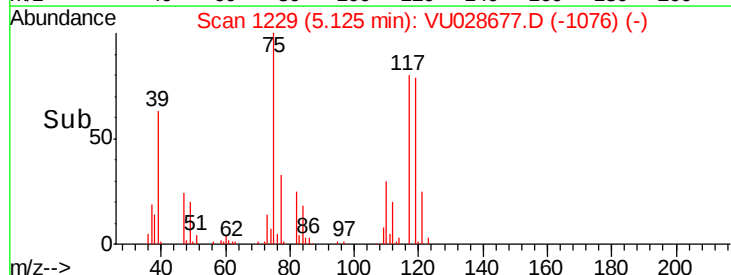
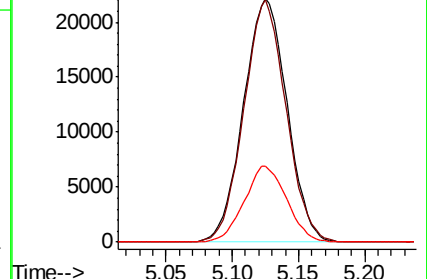
121 31.4 24.7 37.1

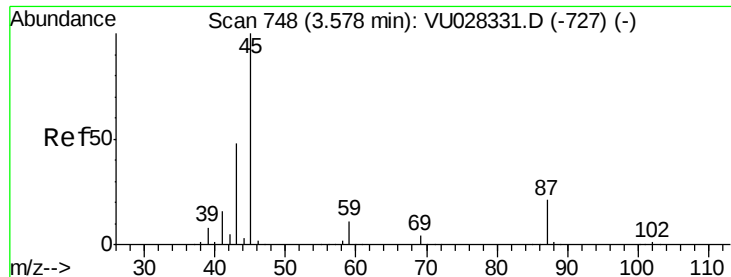


Abundance Ion 117.00 (116.70 to 117.70): VU028331.D (-1212) (-)

Ion 119.00 (118.70 to 119.70): VU028331.D (-1212) (-)

Ion 121.00 (120.70 to 121.70): VU028331.D (-1212) (-)





#31

Isopropyl Ether

Concen: 10.121 ug/l

RT: 3.58 min Scan# 748

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

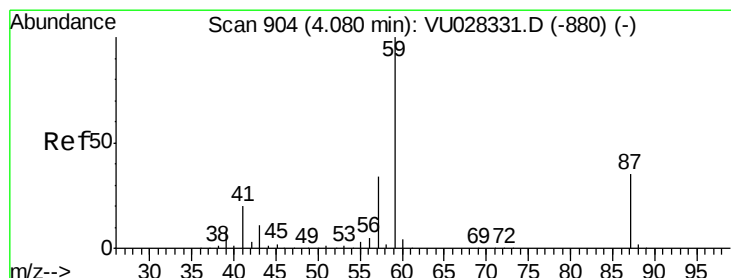
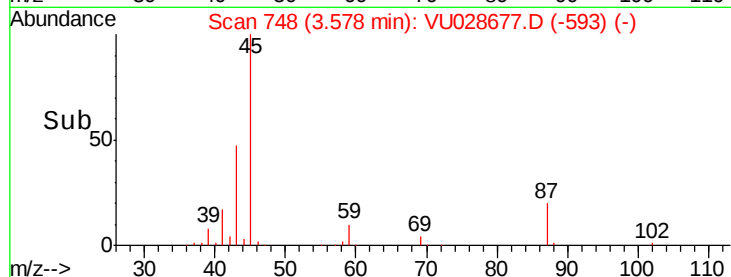
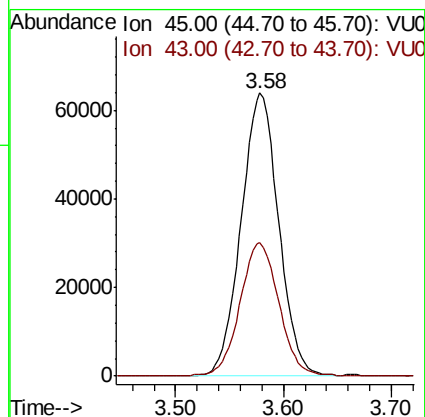
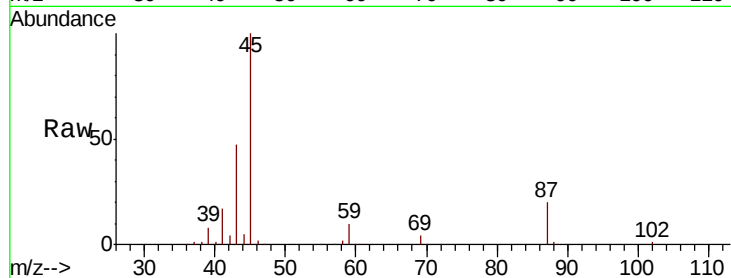
P001-TW001-01MSD

Tot Ion: 45 Resp: 154863

Ion Ratio Lower Upper

45 100

43 49.1 24.2 72.6



#32

Ethyl-t-butyl ether

Concen: 10.038 ug/l

RT: 4.08 min Scan# 903

Delta R.T. -0.00 min

Lab File: VU028677.D

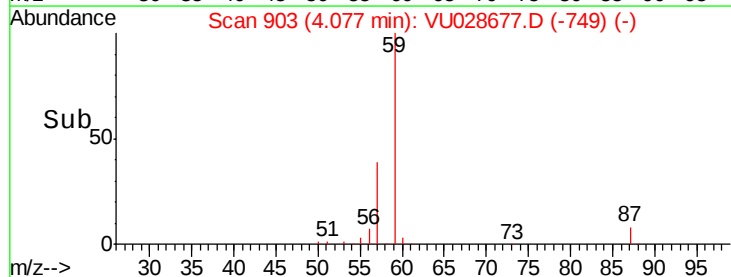
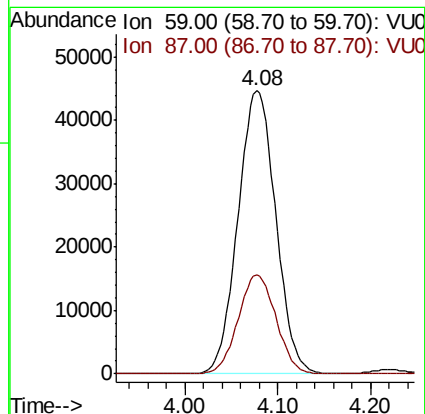
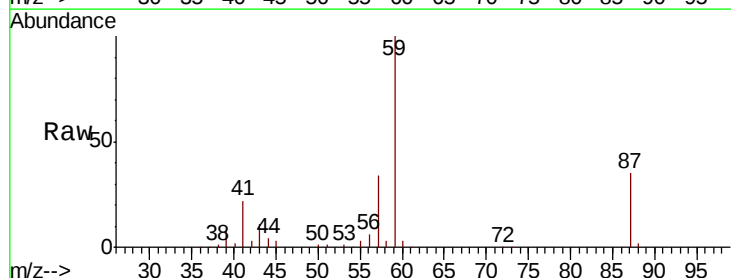
Acq: 13 Dec 2018 14:38

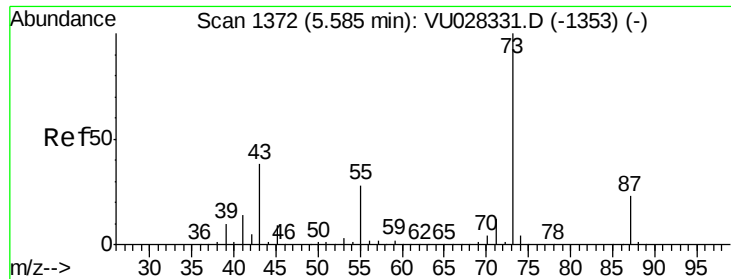
Tgt Ion: 59 Resp: 126510

Ion Ratio Lower Upper

59 100

87 35.0 28.2 42.4

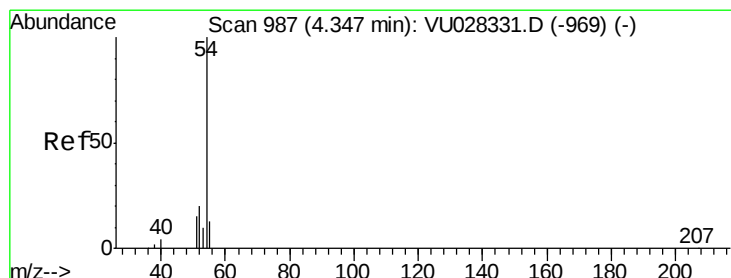
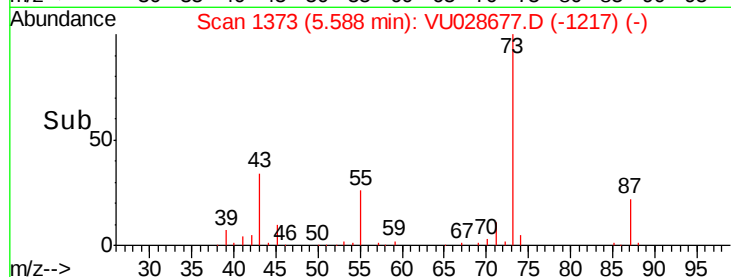
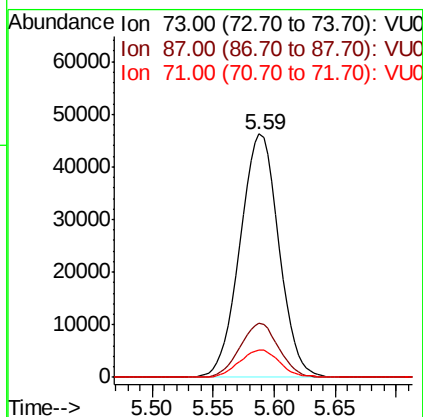
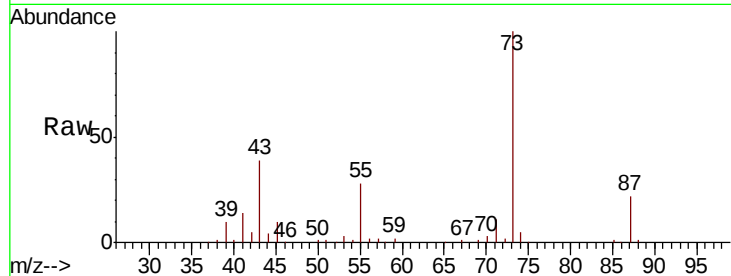




#33
Tert-Butyl methyl ether
Concen: 9.722 ug/l
RT: 5.59 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

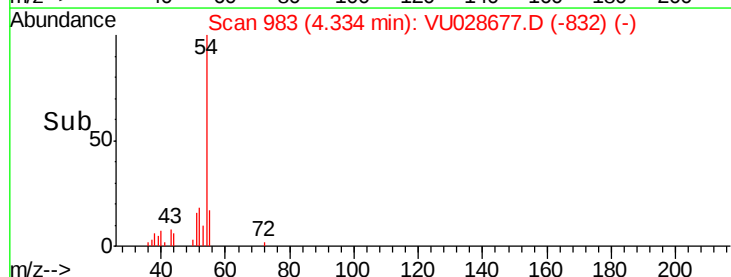
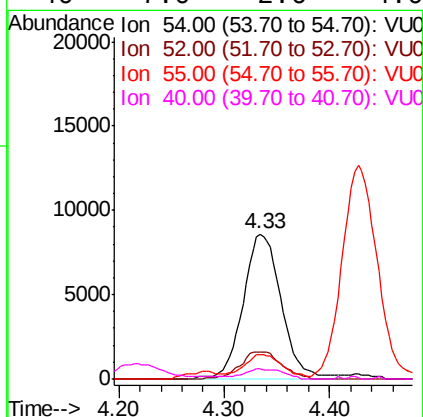
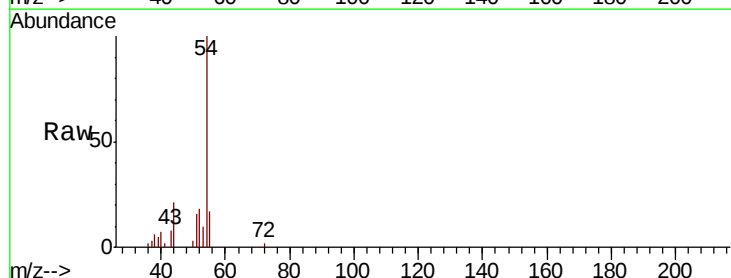
Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MSD

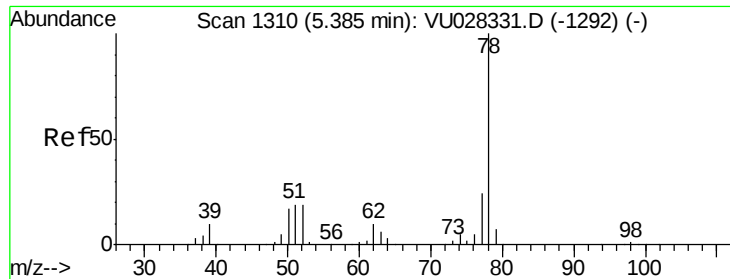
Tot Ion: 73 Resp: 101642
Ion Ratio Lower Upper
73 100
87 22.0 17.6 26.4
71 11.6 9.2 13.8



#34
Propionitrile
Concen: 56.975 ug/l
RT: 4.33 min Scan# 983
Delta R.T. -0.01 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

Tgt Ion: 54 Resp: 21622
Ion Ratio Lower Upper
54 100
52 19.9 16.6 25.0
55 17.5 12.9 19.3
40 7.0 2.6 4.0#





#35

Benzene

Concen: 9.412 ug/l

RT: 5.38 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

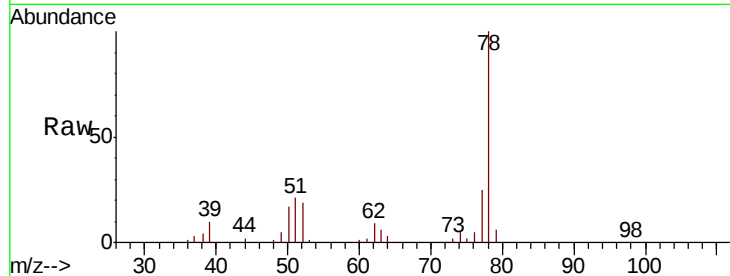
P001-TW001-01MSD

Tot Ion: 78 Resp: 171046

Ion Ratio Lower Upper

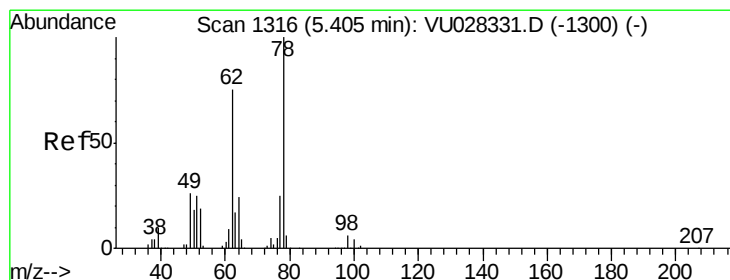
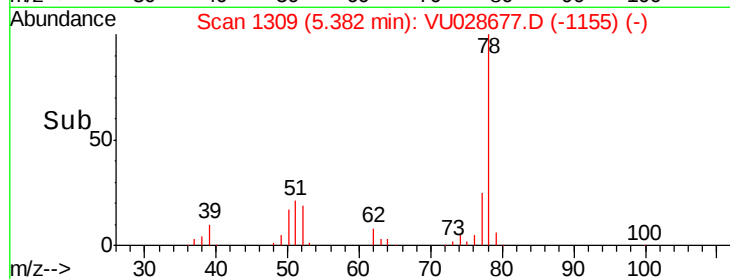
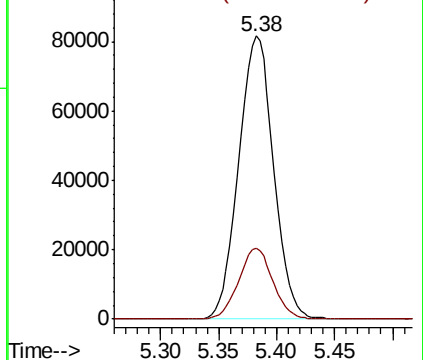
78 100

77 25.0 19.5 29.3



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 9.943 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU028677.D

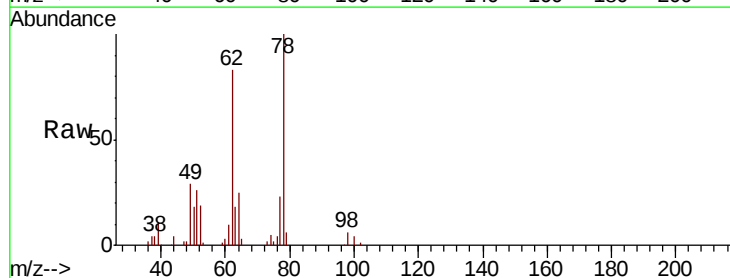
Acq: 13 Dec 2018 14:38

Tgt Ion: 62 Resp: 54046

Ion Ratio Lower Upper

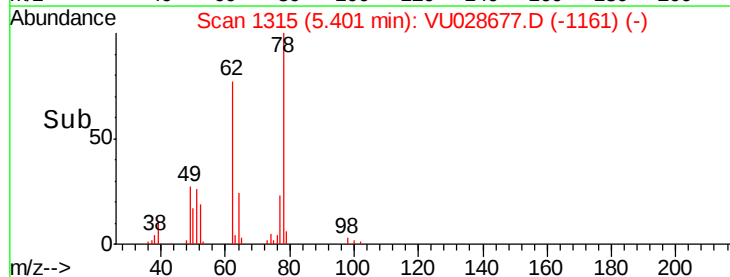
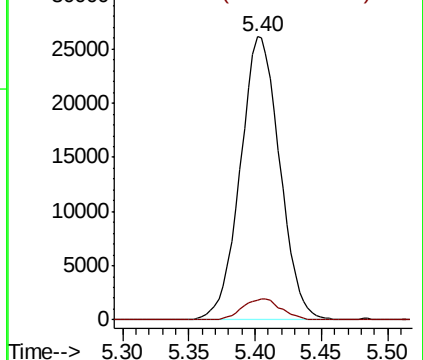
62 100

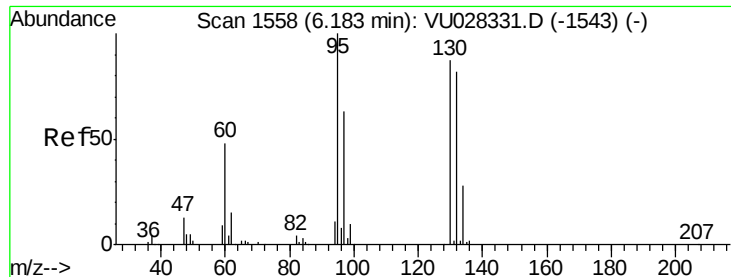
98 7.2 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

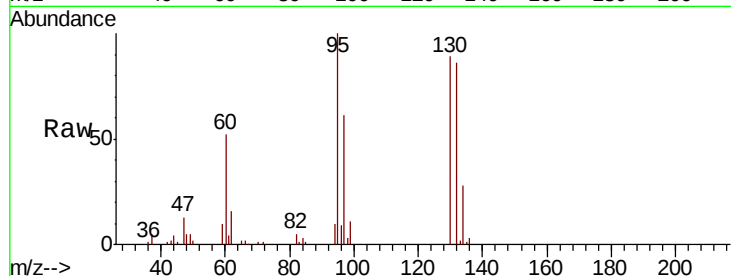




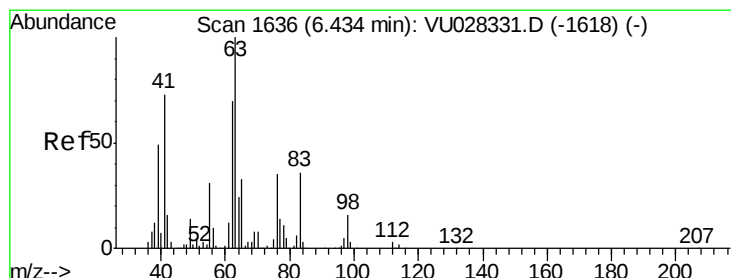
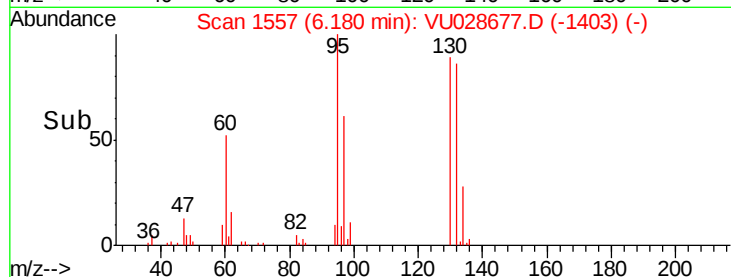
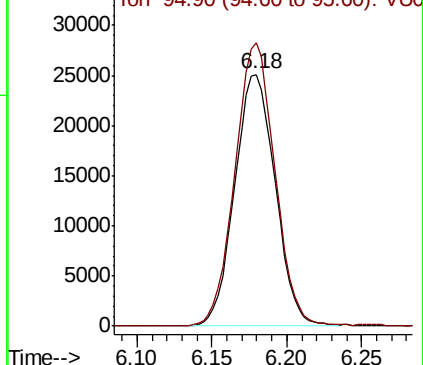
#37
 Trichloroethene
 Concen: 11.993 ug/l
 RT: 6.18 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VU028677.D
 Acq: 13 Dec 2018 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MSD

Tot Ion:130 Resp: 47473
 Ion Ratio Lower Upper
 130 100
 95 112.6 91.5 137.3

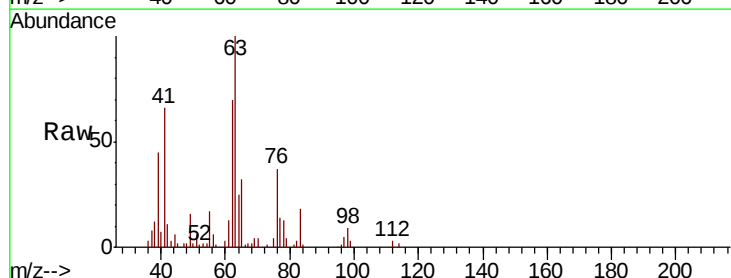


Abundance Ion 129.90 (129.60 to 130.60): VU028331.D (-1543) (-)
 Ion 94.90 (94.60 to 95.60): VU028331.D (-1543) (-)

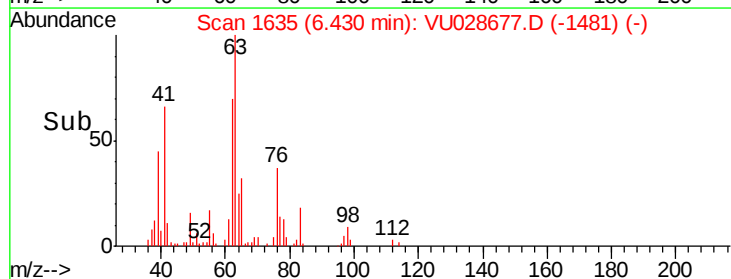
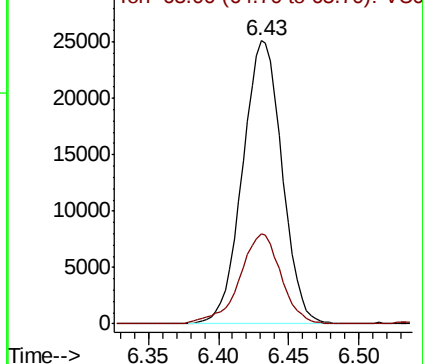


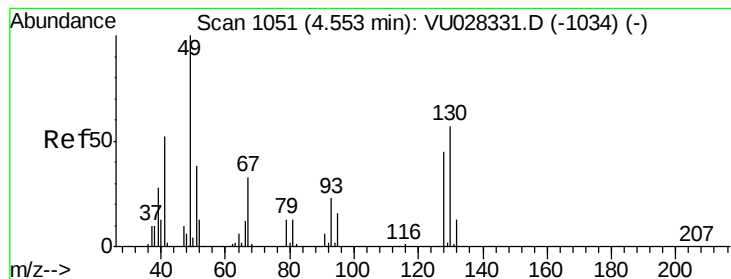
#38
 1,2-Dichloropropane
 Concen: 9.513 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028677.D
 Acq: 13 Dec 2018 14:38

Tgt Ion: 63 Resp: 49304
 Ion Ratio Lower Upper
 63 100
 65 31.7 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VU028331.D (-1618) (-)
 Ion 65.00 (64.70 to 65.70): VU028331.D (-1618) (-)





#39

Methacrylonitrile

Concen: 9.937 ug/l

RT: 4.55 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MSD

Tot Ion: 41 Resp: 20201

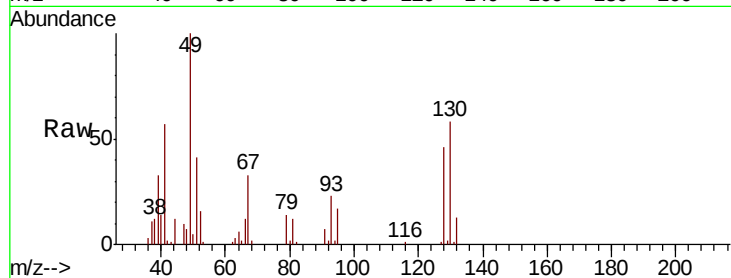
Ion Ratio Lower Upper

41 100

67 59.0 48.2 72.4

39 56.2 42.9 64.3

52 27.3 21.4 32.0

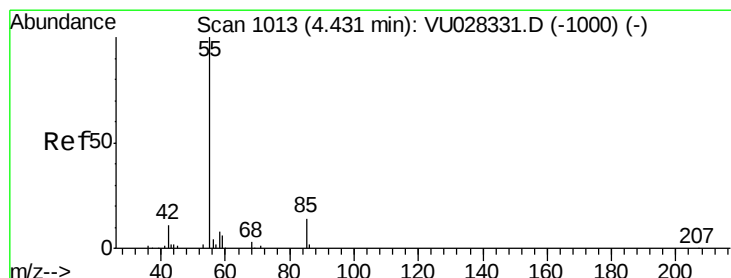
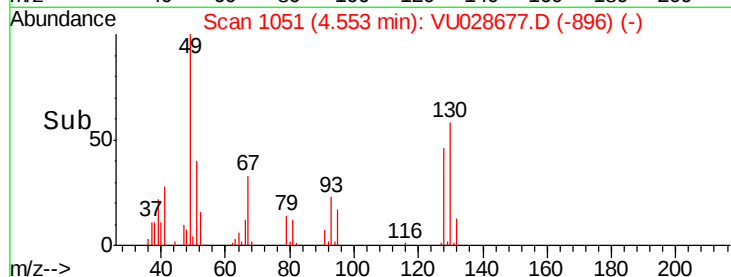
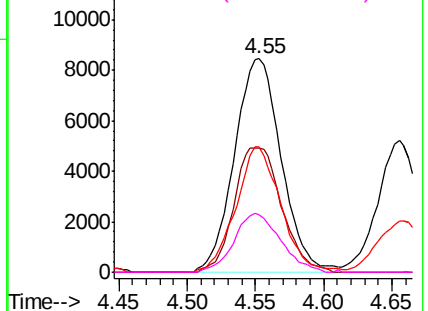


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40

Methyl acrylate

Concen: 10.482 ug/l

RT: 4.43 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Tgt Ion: 55 Resp: 29313

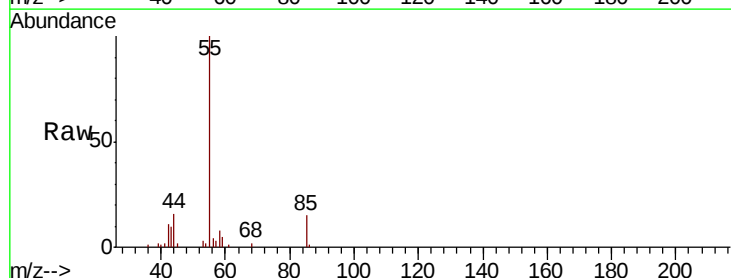
Ion Ratio Lower Upper

55 100

85 13.7 10.9 16.3

58 8.3 6.4 9.6

42 13.1 7.5 11.3#

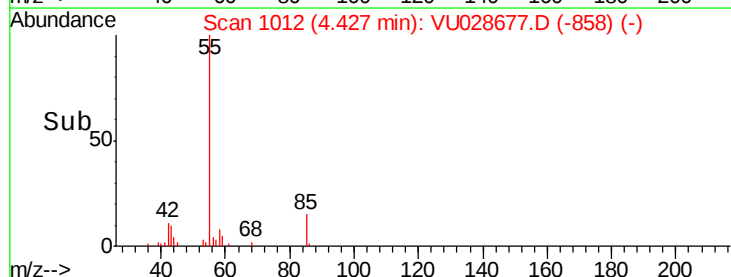
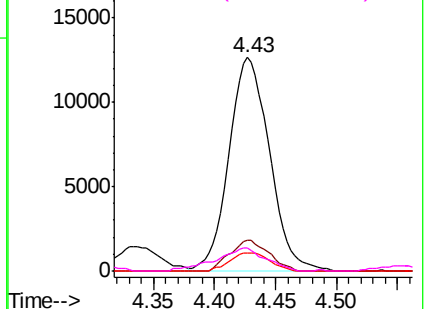


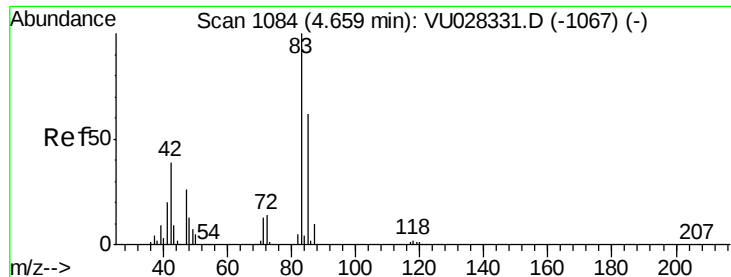
Abundance Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 20.250 ug/l

RT: 4.66 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MSD

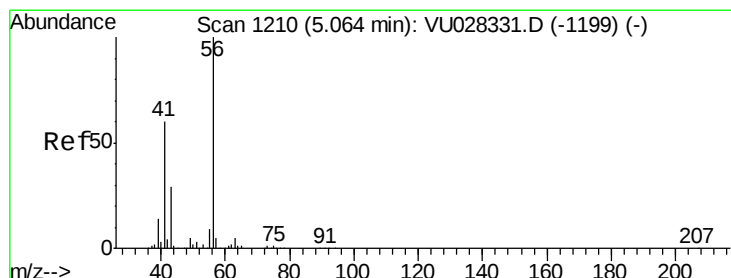
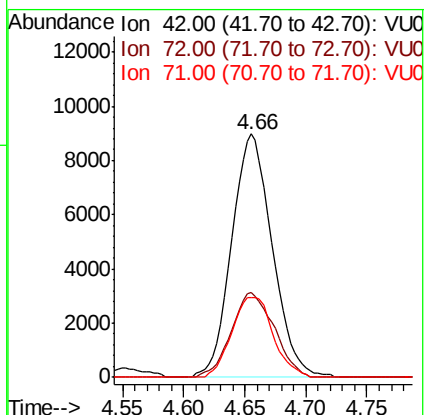
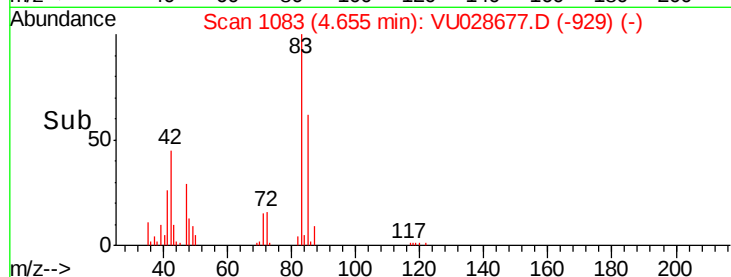
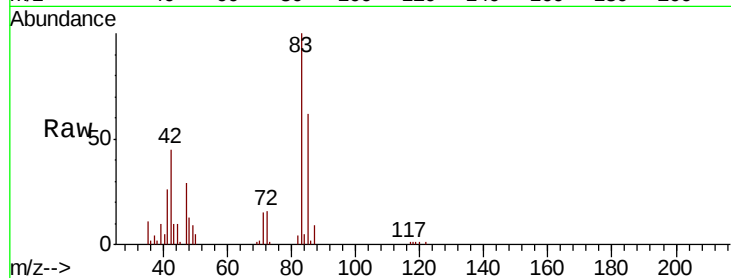
Tot Ion: 42 Resp: 20691

Ion Ratio Lower Upper

42 100

72 36.8 29.8 44.6

71 33.6 25.9 38.9



#42

1-Chlorobutane

Concen: 9.474 ug/l

RT: 5.06 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VU028677.D

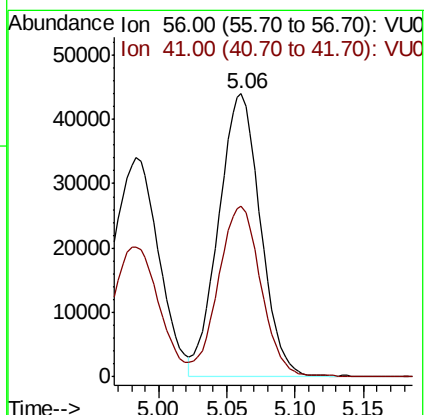
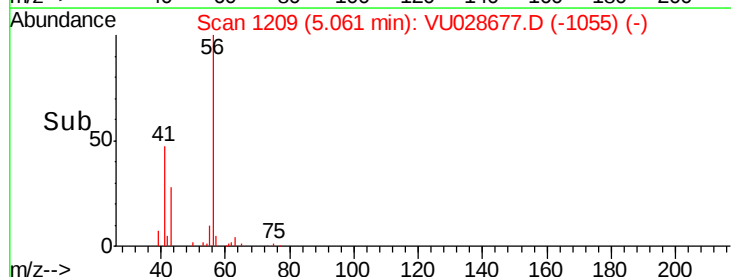
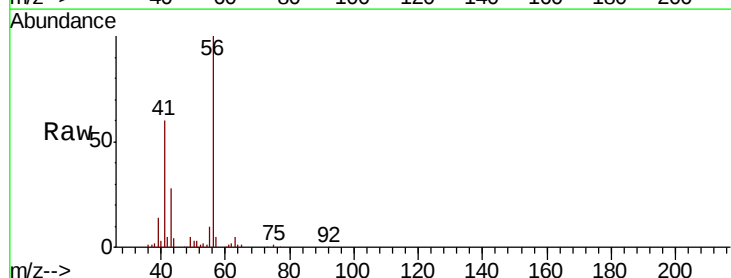
Acq: 13 Dec 2018 14:38

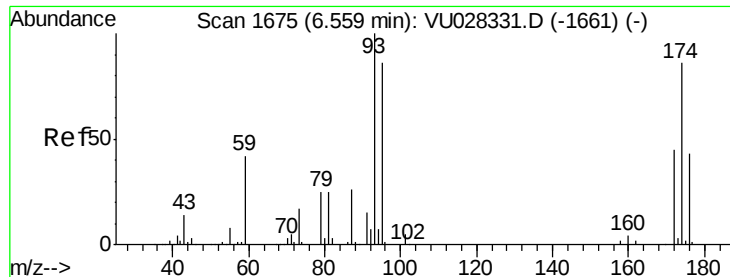
Tgt Ion: 56 Resp: 92973

Ion Ratio Lower Upper

56 100

41 60.7 29.8 89.3





#43

Dibromomethane

Concen: 9.830 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MSD

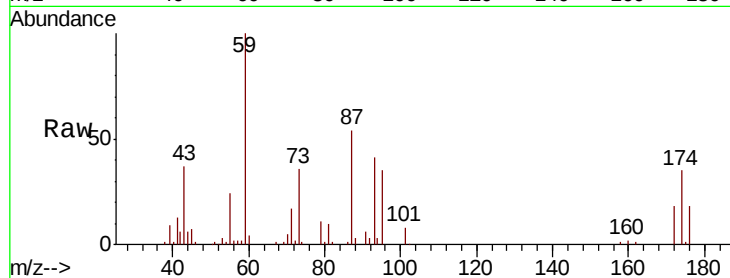
Tot Ion: 93 Resp: 21688

Ion Ratio Lower Upper

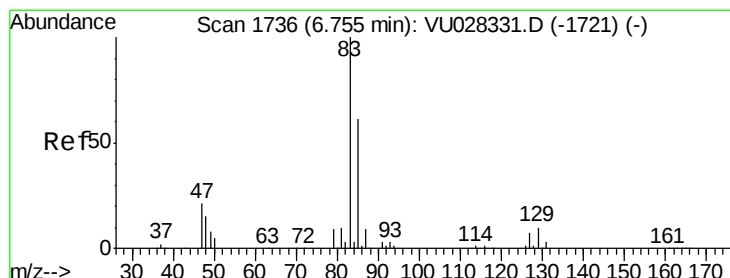
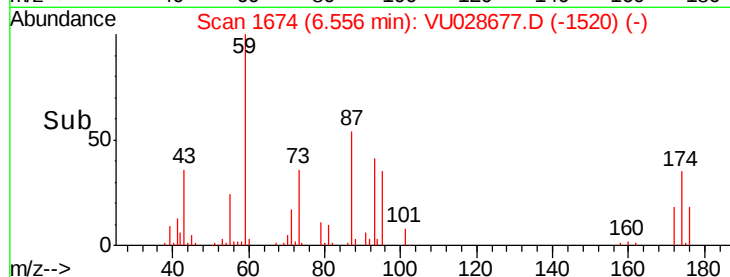
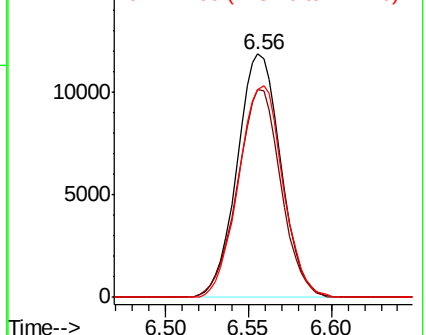
93 100

95 84.9 66.6 99.8

174 88.3 69.4 104.2



Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 9.589 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

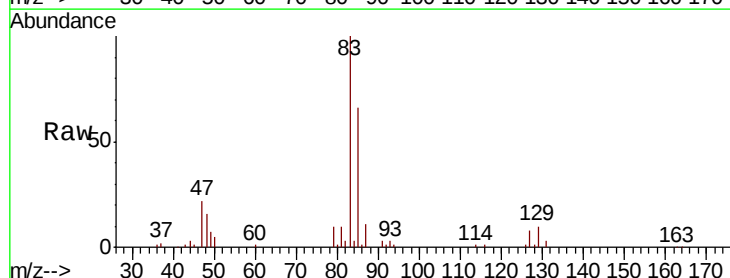
Tgt Ion: 83 Resp: 55864

Ion Ratio Lower Upper

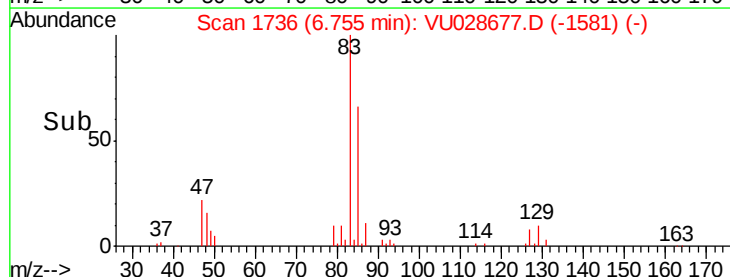
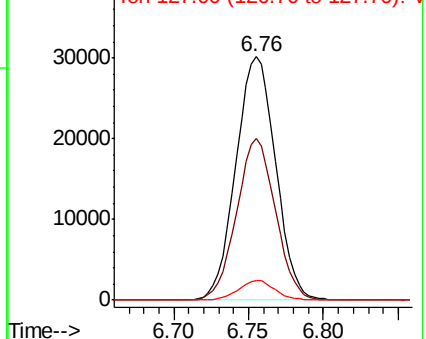
83 100

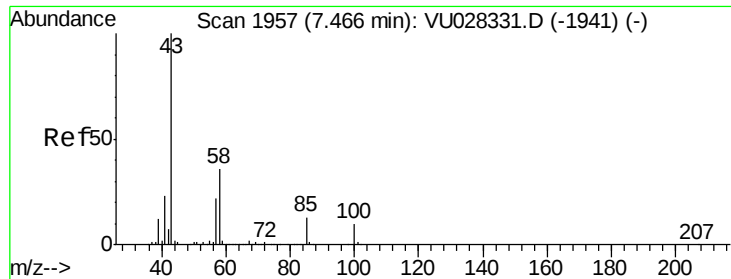
85 66.2 49.0 73.6

127 8.2 5.7 8.5



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V

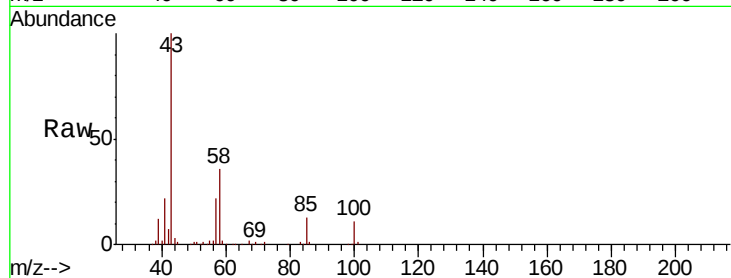




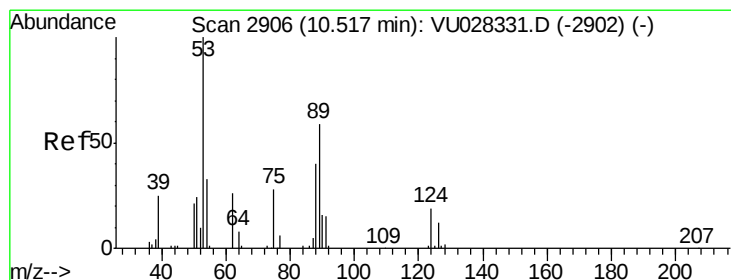
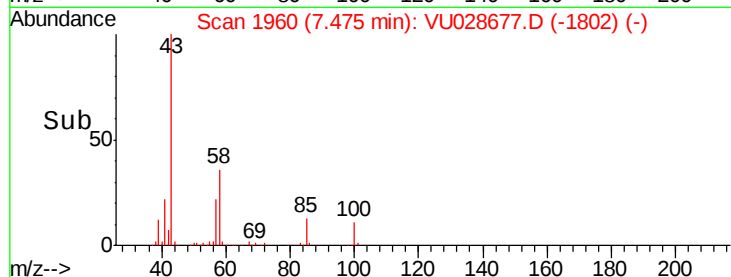
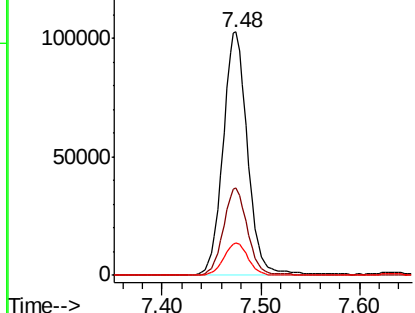
#45
4-Methyl-2-Pentanone
Concen: 50.107 ug/l
RT: 7.48 min Scan# 1960
Delta R.T. 0.01 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.7	17.9	53.7
85	13.2	10.8	16.2

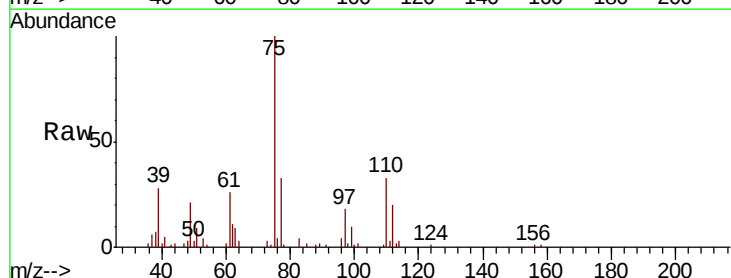


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

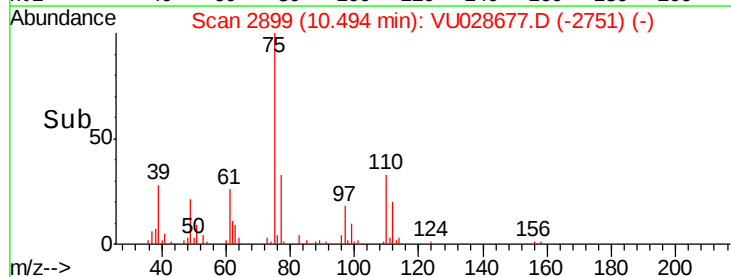
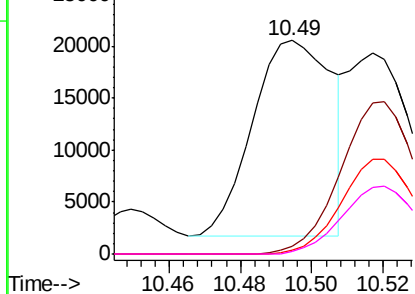


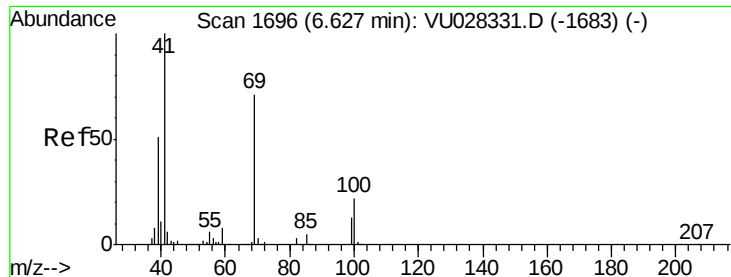
#46
t-1,4-Dichloro-2-butene
Concen: 22.404 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

Tgt Ion	Ratio	Lower	Upper
75	100		
53	75.6	65.0	97.6
89	47.0	38.6	58.0
88	33.8	27.3	40.9



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0

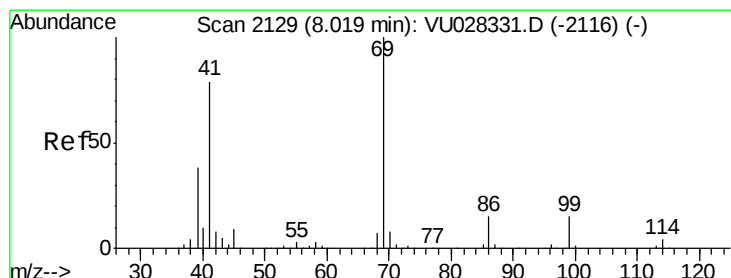
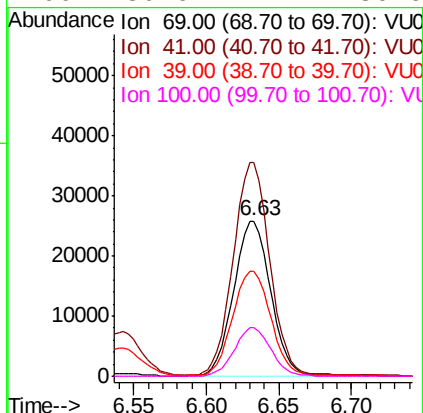
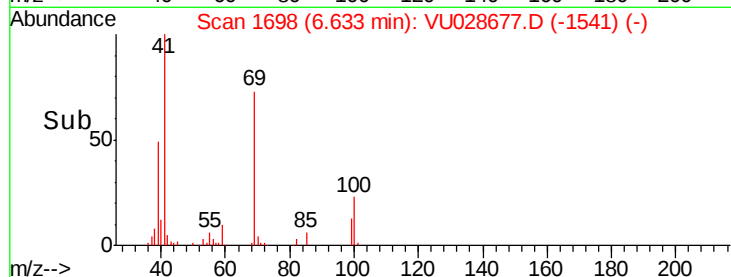
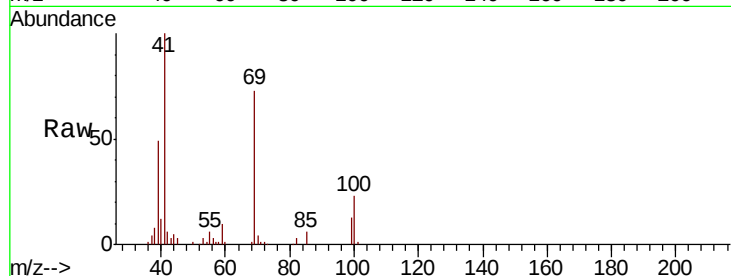




#47
Methyl methacrylate
Concen: 20.387 ug/l
RT: 6.63 min Scan# 1698
Delta R.T. 0.01 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

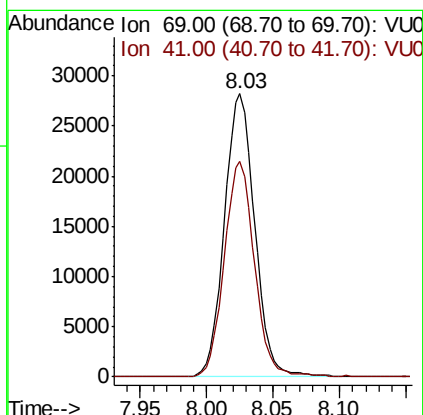
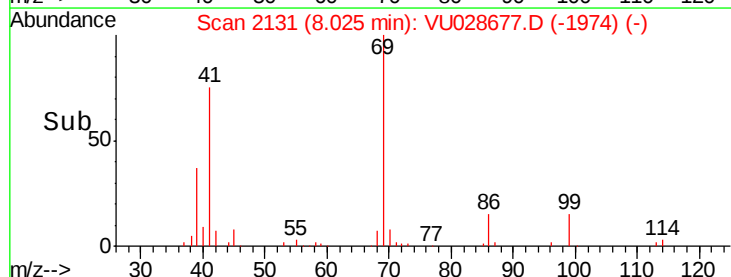
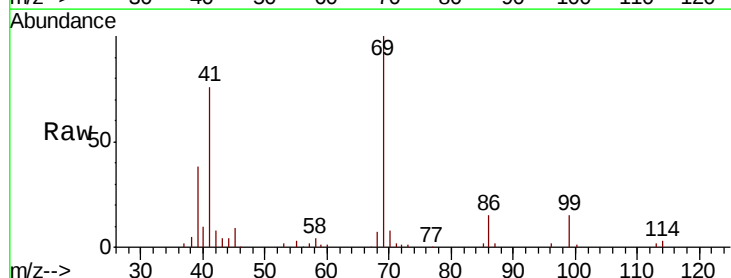
Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MSD

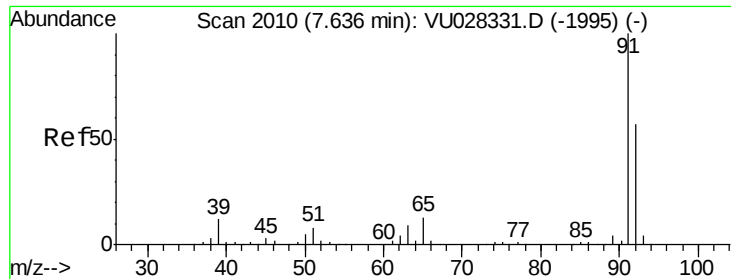
Tot Ion: 69 Resp: 45911
Ion Ratio Lower Upper
69 100
41 135.4 0.0 277.2
39 70.2 57.6 86.4
100 30.6 24.4 36.6



#48
Ethyl methacrylate
Concen: 9.964 ug/l
RT: 8.03 min Scan# 2131
Delta R.T. 0.01 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

Tgt Ion: 69 Resp: 44883
Ion Ratio Lower Upper
69 100
41 75.7 39.4 118.2





#49

Toluene

Concen: 9.818 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

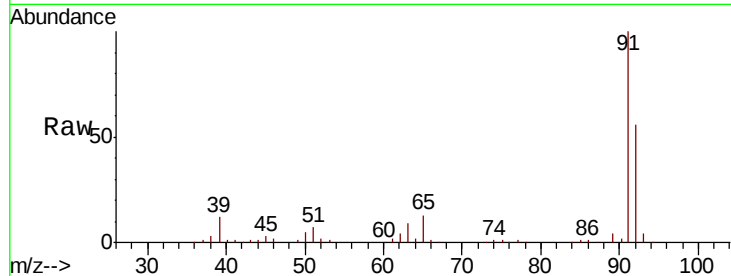
P001-TW001-01MSD

Tot Ion: 92 Resp: 99093

Ion Ratio Lower Upper

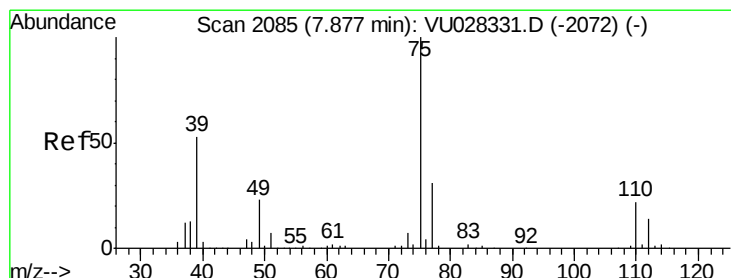
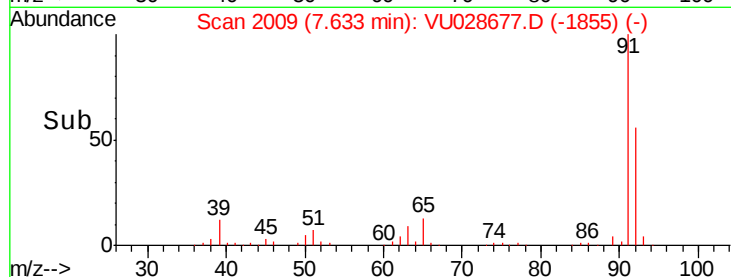
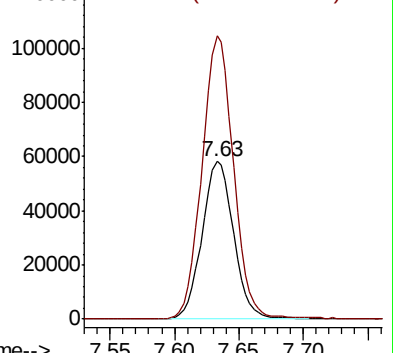
92 100

91 179.7 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 9.612 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028677.D

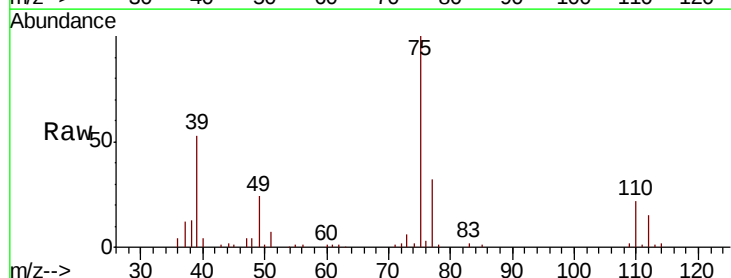
Acq: 13 Dec 2018 14:38

Tgt Ion: 75 Resp: 53782

Ion Ratio Lower Upper

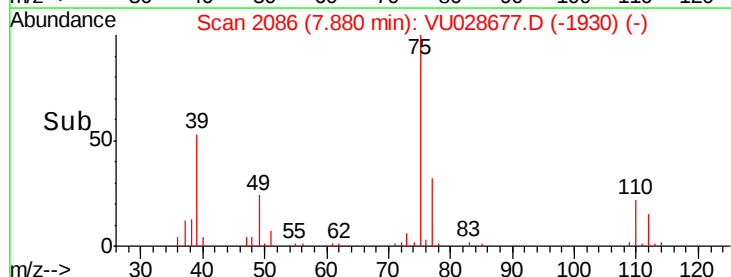
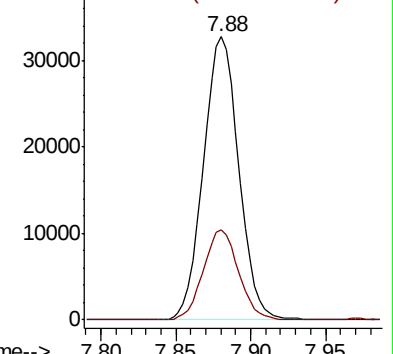
75 100

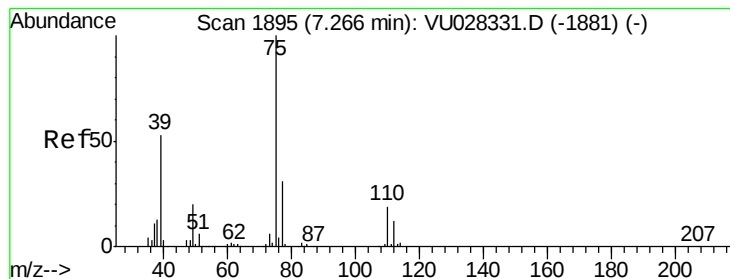
77 31.9 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



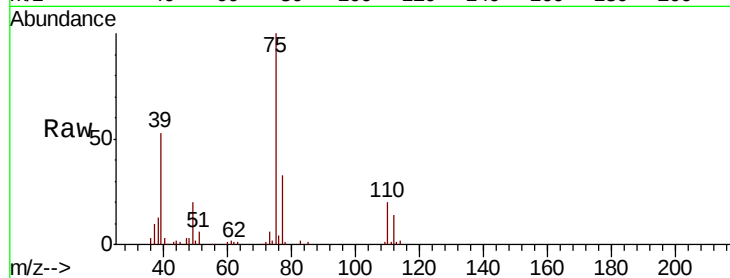


#51

cis-1,3-Dichloropropene
 Concen: 9.425 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU028677.D
 Acq: 13 Dec 2018 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.4	36.6
39	52.8	42.8	64.2

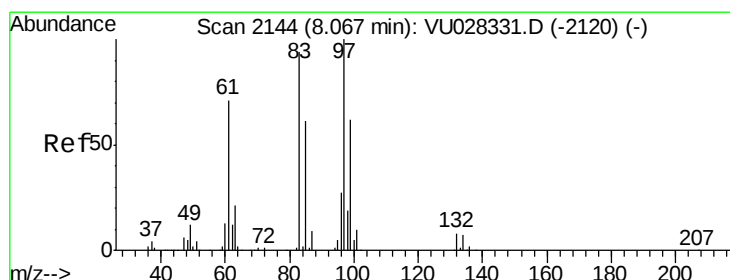
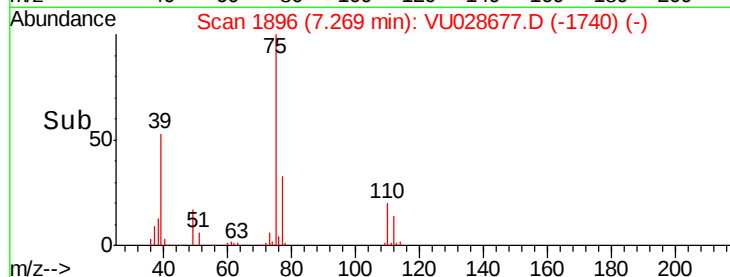
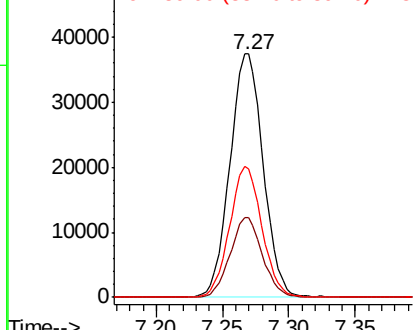


Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

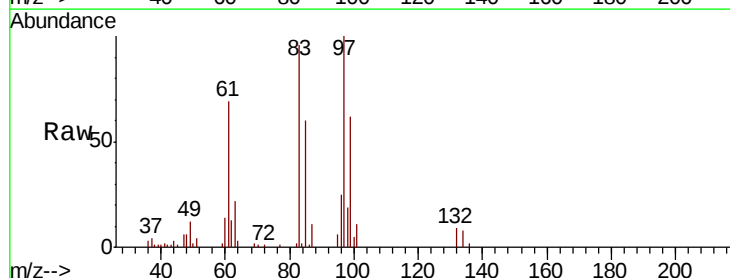
Ion 39.00 (38.70 to 39.70): VU0



#52

1,1,2-Trichloroethane
 Concen: 10.189 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028677.D
 Acq: 13 Dec 2018 14:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	95.9	75.1	112.7
85	60.1	48.7	73.1
99	62.1	49.6	74.4



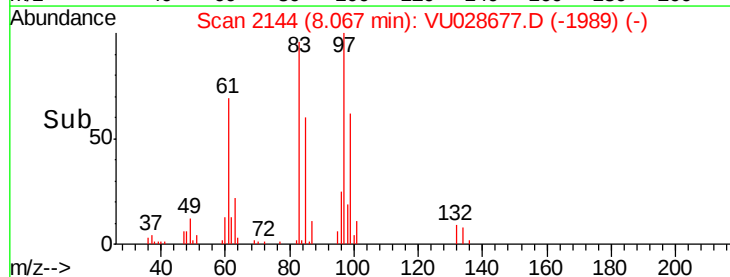
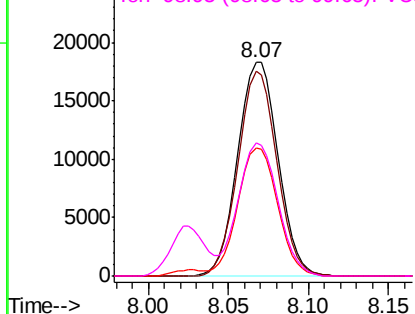
Abundance

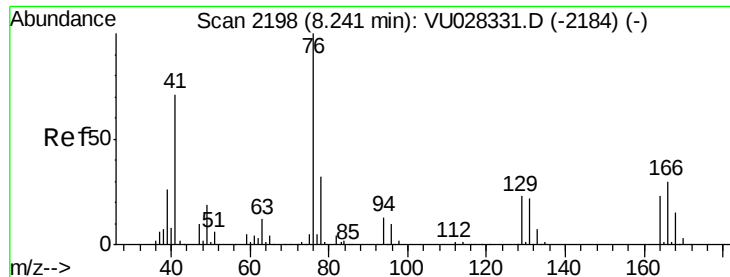
Ion 97.00 (96.70 to 97.70): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 84.95 (84.65 to 85.65): VU0

Ion 98.95 (98.65 to 99.65): VU0





#53

1,3-Dichloropropane

Concen: 10.026 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

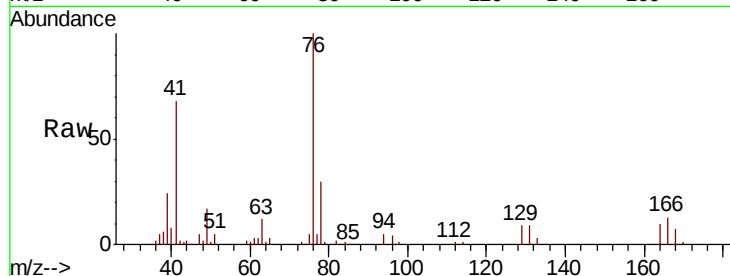
P001-TW001-01MSD

Tot Ion: 76 Resp: 58008

Ion Ratio Lower Upper

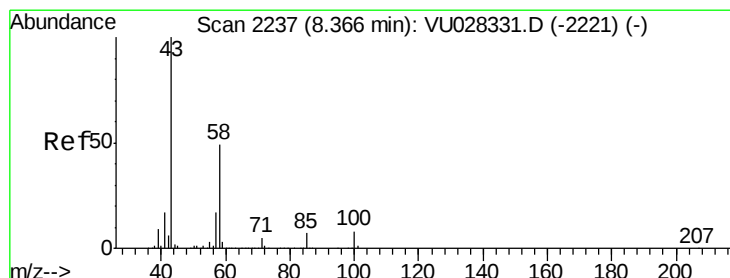
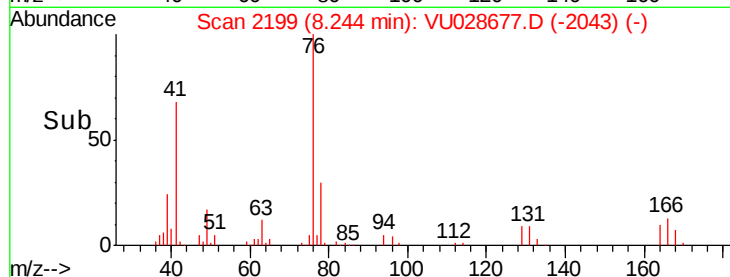
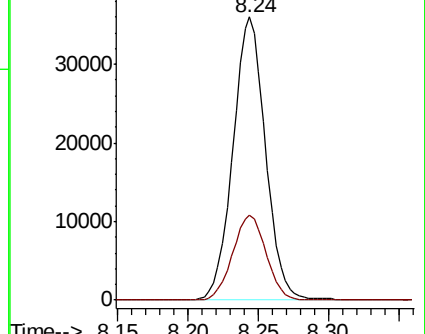
76 100

78 30.9 25.4 38.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#54

2-Hexanone

Concen: 49.735 ug/l

RT: 8.37 min Scan# 2239

Delta R.T. 0.01 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

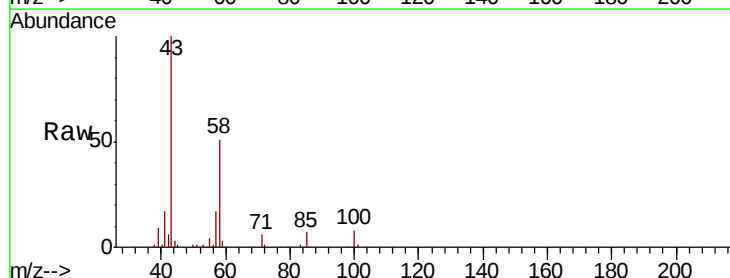
Tgt Ion: 43 Resp: 126788

Ion Ratio Lower Upper

43 100

58 49.6 29.3 69.3

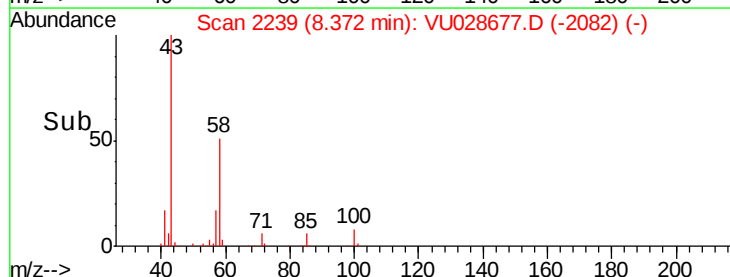
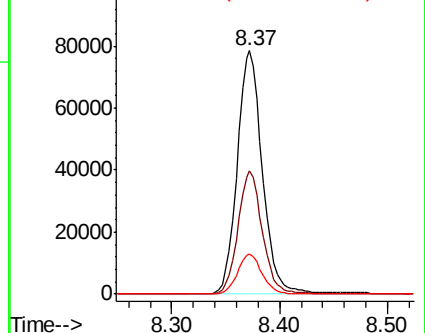
57 16.3 0.0 36.8

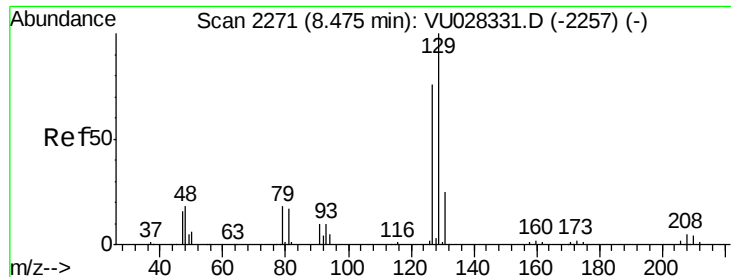


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#55

Dibromochloromethane

Concen: 10.158 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

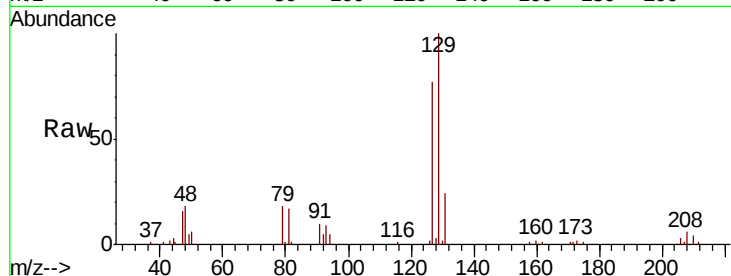
P001-TW001-01MSD

Tot Ion:129 Resp: 33466

Ion Ratio Lower Upper

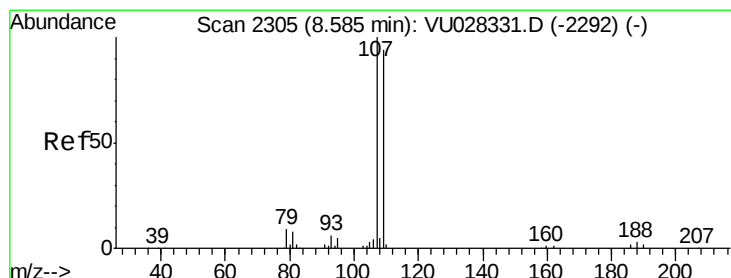
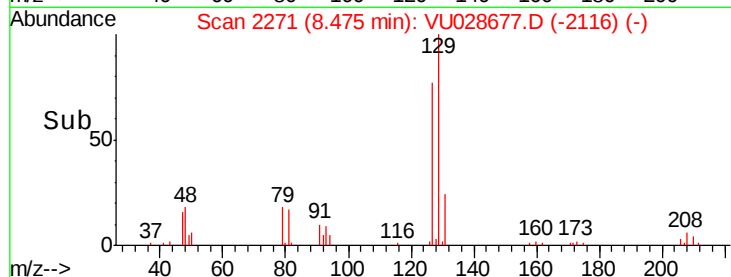
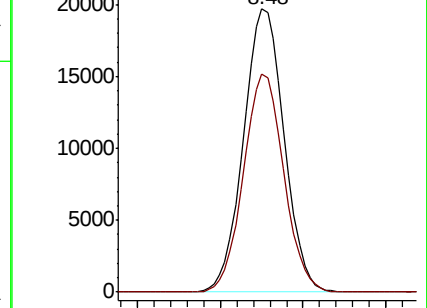
129 100

127 76.5 61.0 91.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 10.279 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028677.D

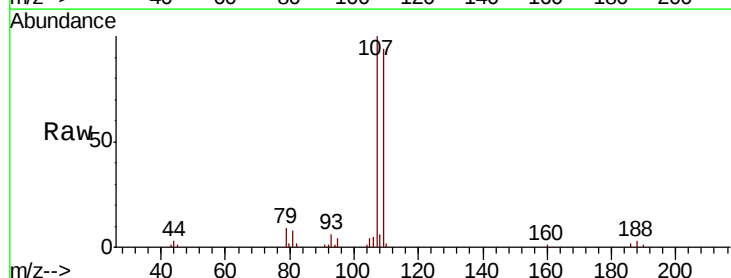
Acq: 13 Dec 2018 14:38

Tgt Ion:107 Resp: 29001

Ion Ratio Lower Upper

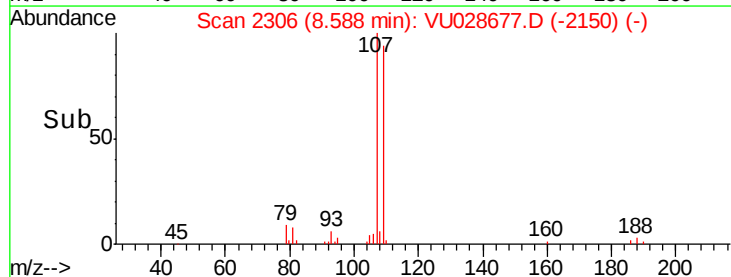
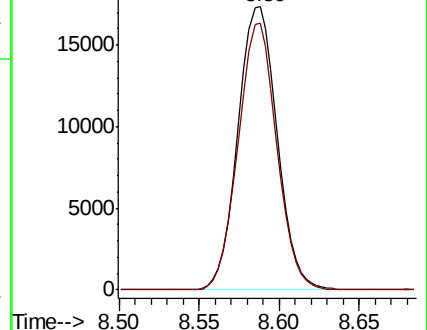
107 100

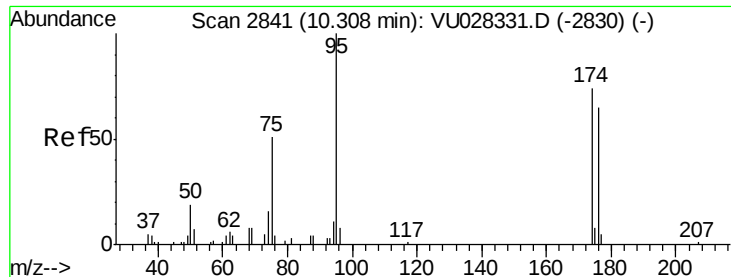
109 92.4 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

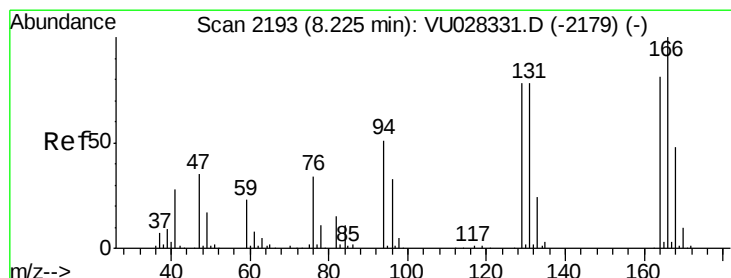
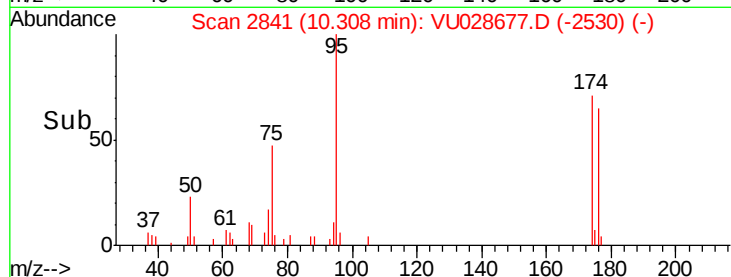
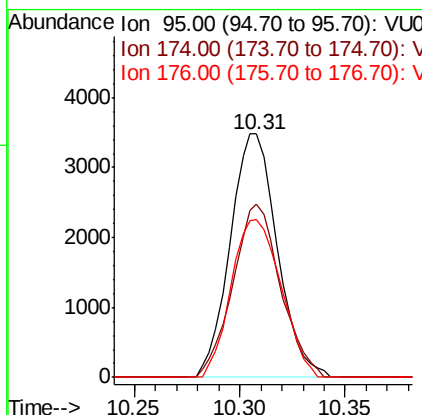
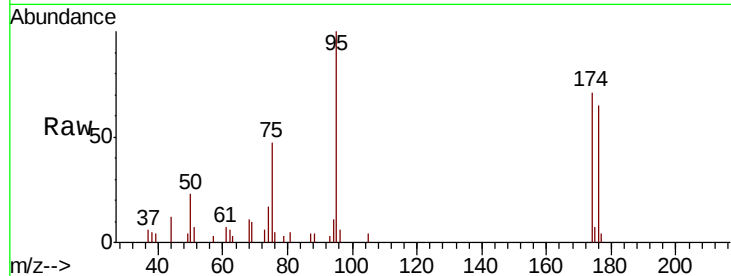




#57
4-Bromofluorobenzene
Concen: 10.279 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

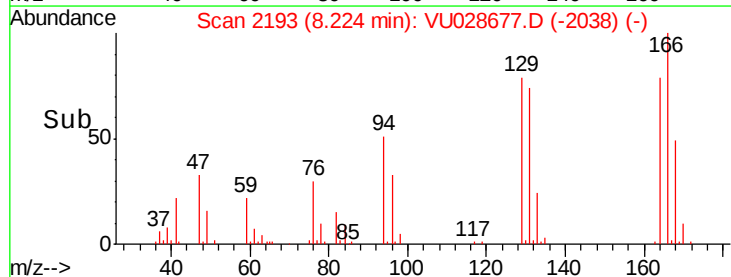
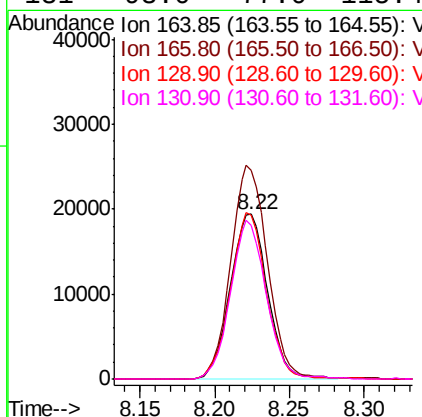
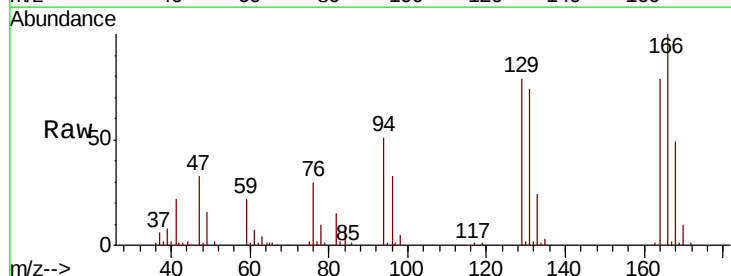
Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MSD

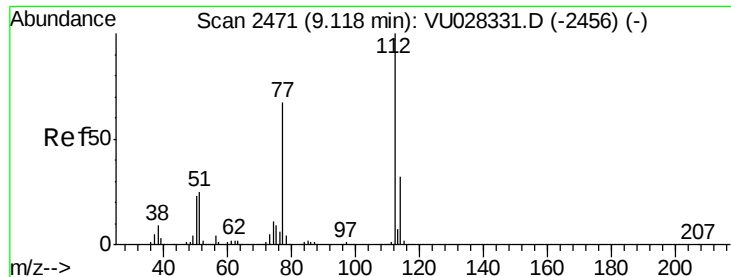
Tot Ion: 95 Resp: 5389
Ion Ratio Lower Upper
95 100
174 71.9 59.3 88.9
176 68.6 54.3 81.5



#58
Tetrachloroethene
Concen: 9.285 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

Tgt Ion: 164 Resp: 33649
Ion Ratio Lower Upper
164 100
166 126.2 98.6 148.0
129 99.6 77.0 115.4
131 93.0 77.0 115.4

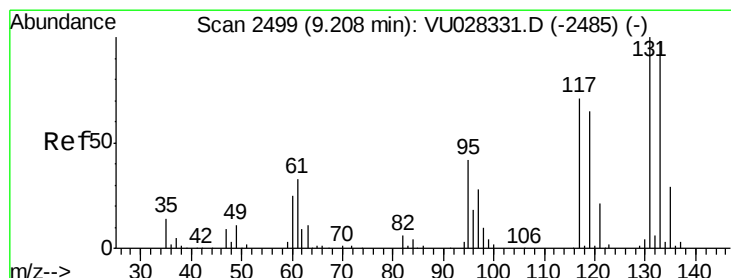
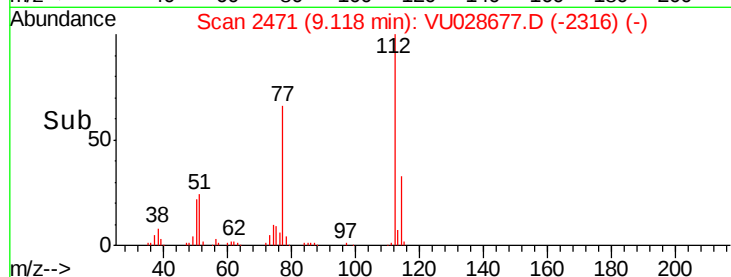
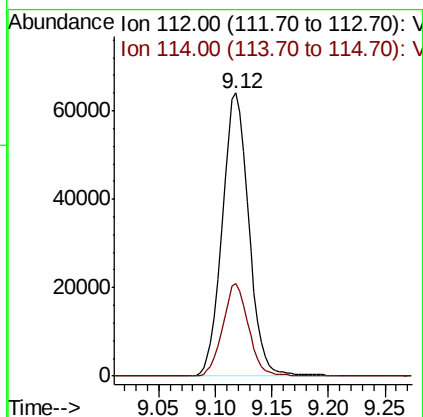
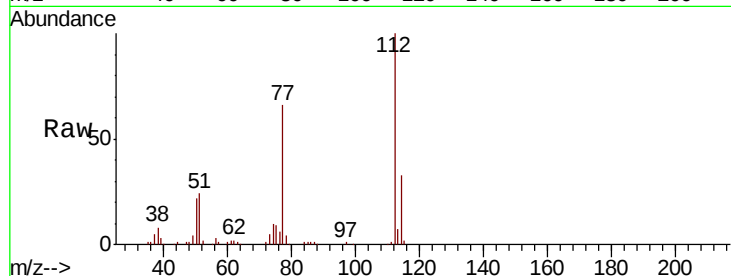




#59
Chlorobenzene
Concen: 9.983 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

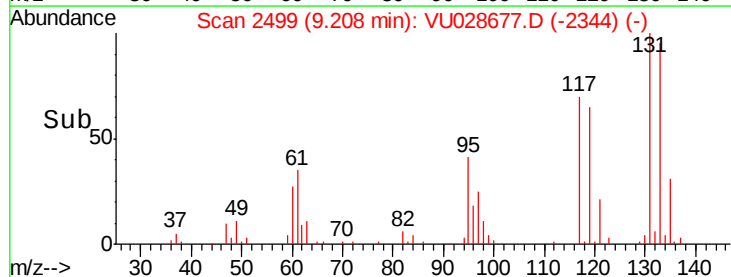
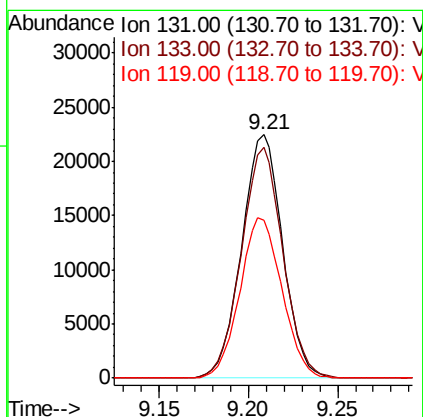
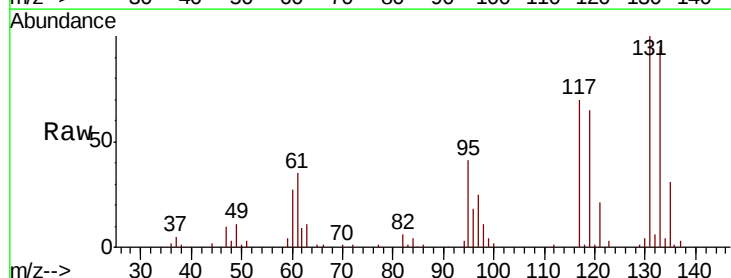
Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MSD

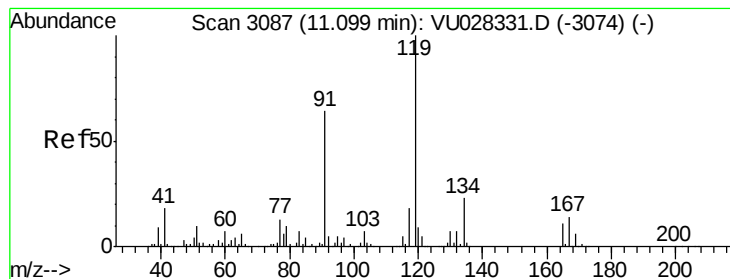
Tot Ion:112 Resp: 104845
Ion Ratio Lower Upper
112 100
114 32.8 25.2 37.8



#60
1,1,1,2-Tetrachloroethane
Concen: 10.154 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

Tgt Ion:131 Resp: 36139
Ion Ratio Lower Upper
131 100
133 96.0 77.7 116.5
119 67.6 54.3 81.5





#61

Pentachloroethane

Concen: 11.703 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

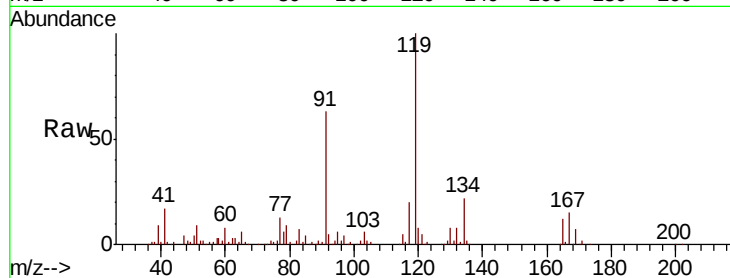
P001-TW001-01MSD

Tot Ion:117 Resp: 32414

Ion Ratio Lower Upper

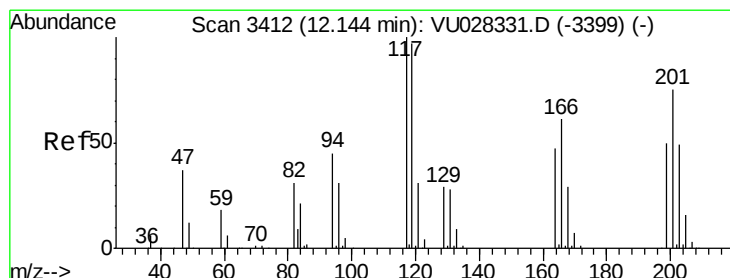
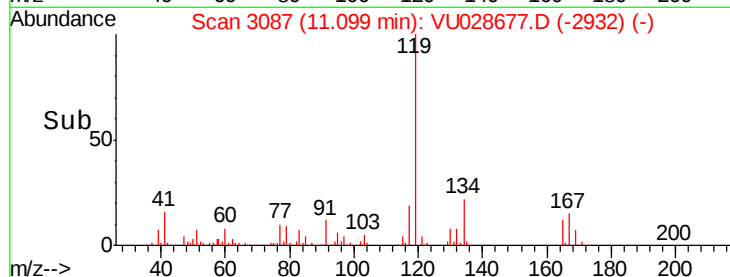
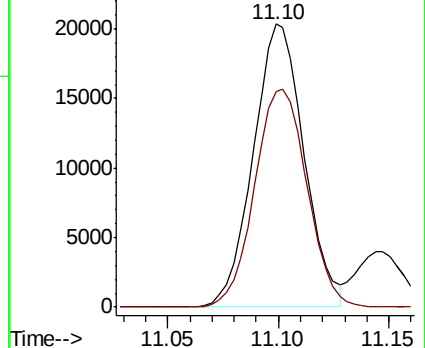
117 100

167 79.3 64.2 96.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 11.251 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028677.D

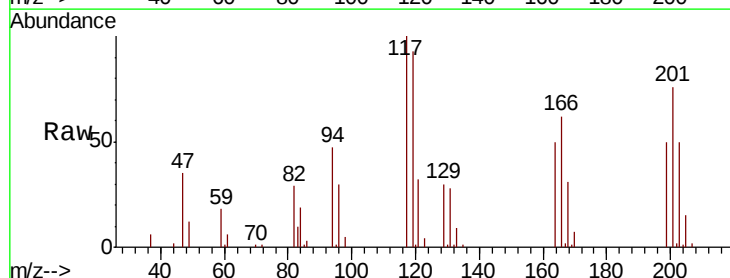
Acq: 13 Dec 2018 14:38

Tgt Ion:117 Resp: 29200

Ion Ratio Lower Upper

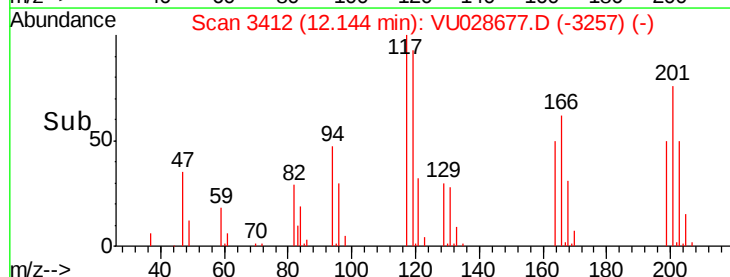
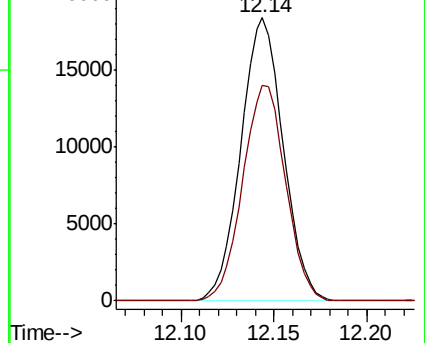
117 100

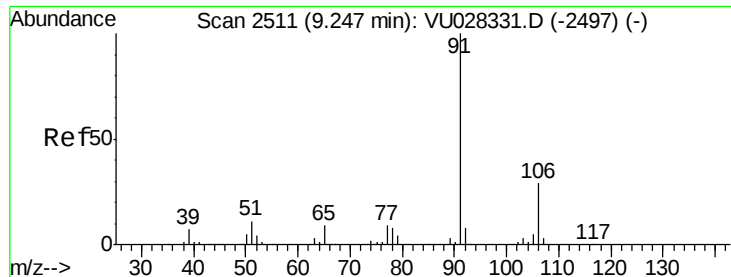
201 77.0 59.4 89.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

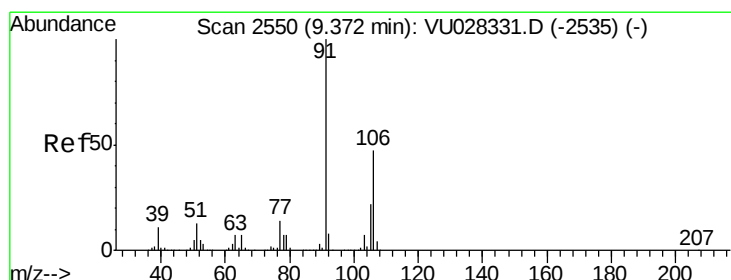
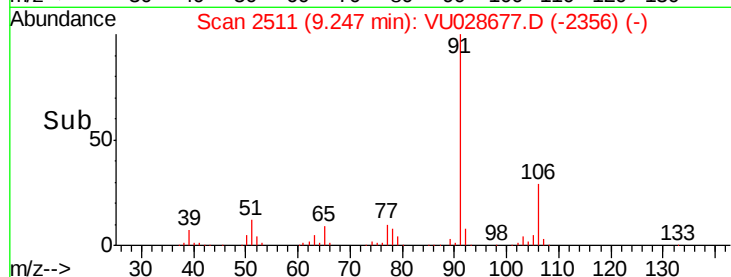
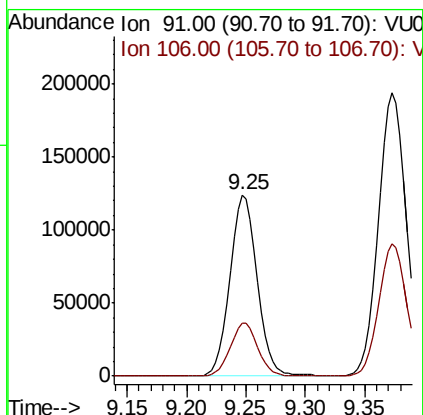
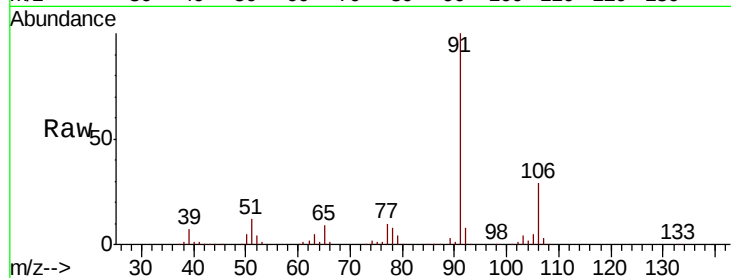




#63
Ethyl Benzene
Concen: 10.180 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

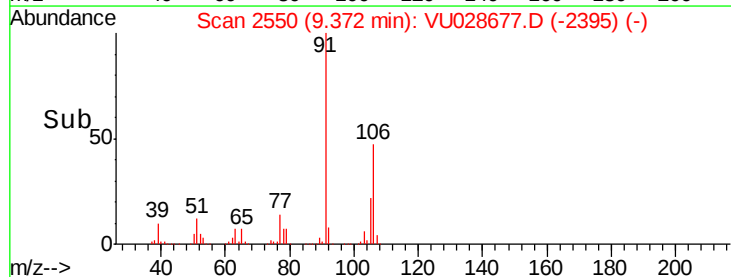
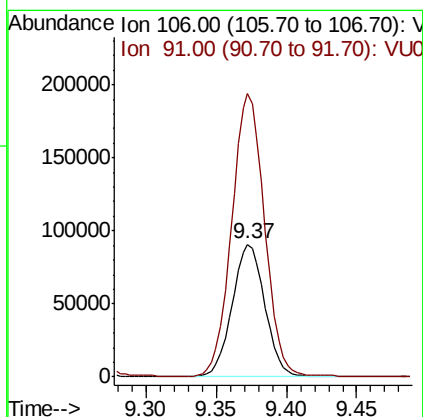
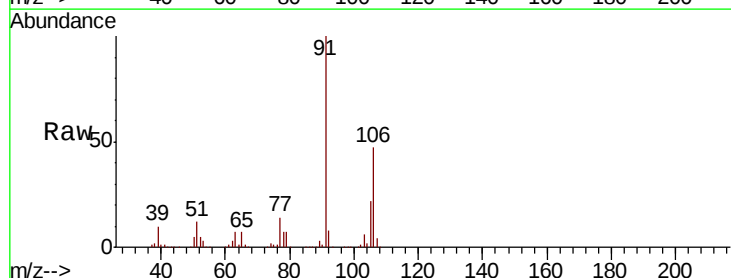
Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MSD

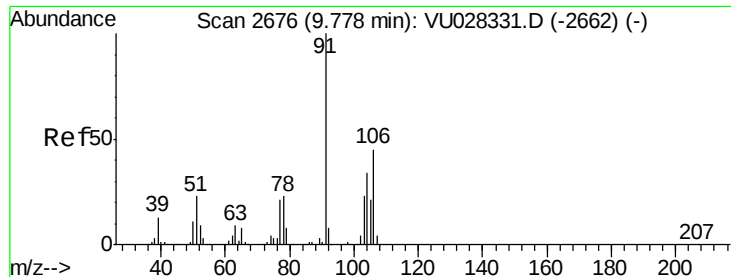
Tot Ion: 91 Resp: 197279
Ion Ratio Lower Upper
91 100
106 29.2 23.4 35.2



#64
m/p-Xylenes
Concen: 21.077 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

Tgt Ion: 106 Resp: 147812
Ion Ratio Lower Upper
106 100
91 212.9 170.6 256.0

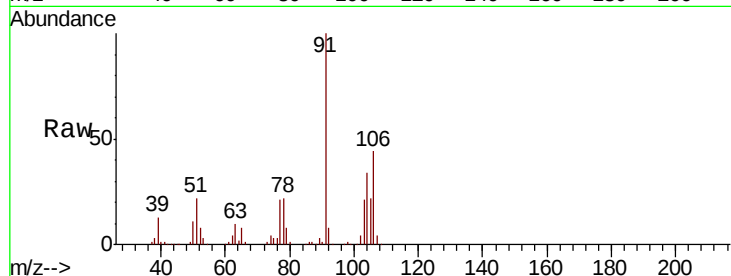




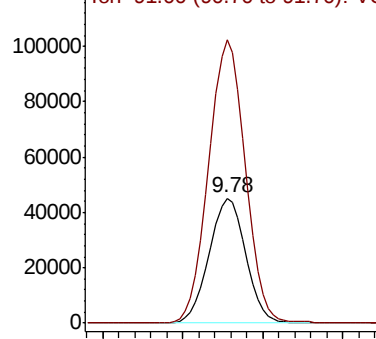
#65
o-Xylene
Concen: 10.413 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MSD

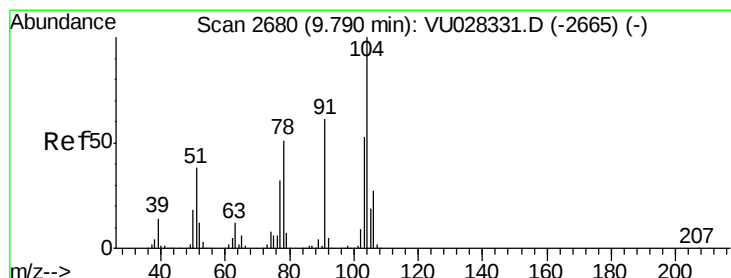
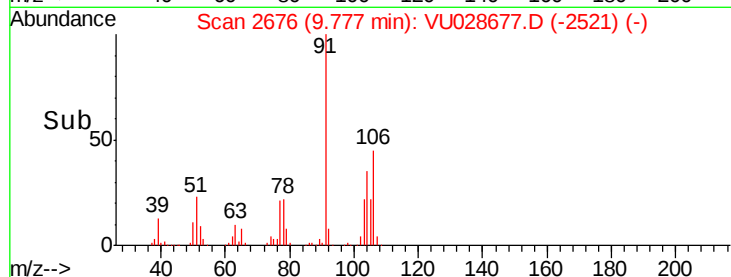
Tot Ion:106 Resp: 70469
Ion Ratio Lower Upper
106 100
91 227.4 112.3 337.0



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

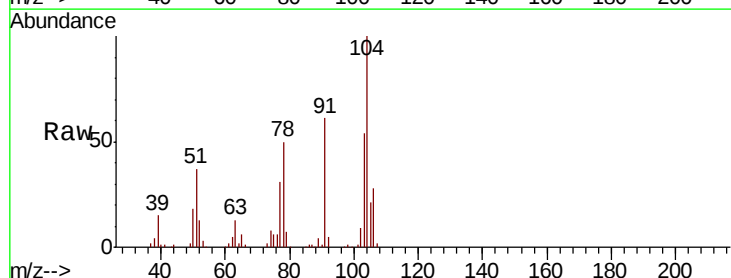


Time-->

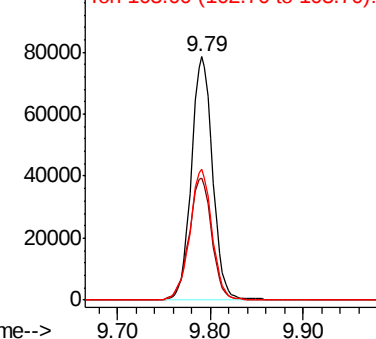


#66
Styrene
Concen: 10.801 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

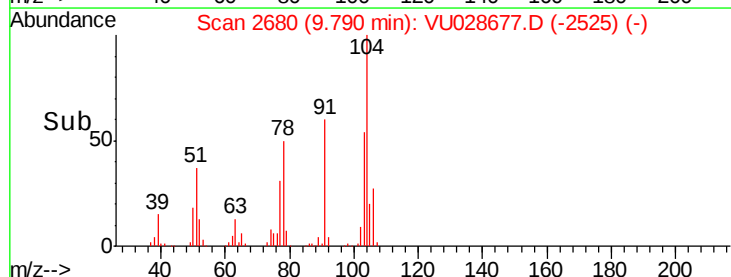
Tgt Ion:104 Resp: 125374
Ion Ratio Lower Upper
104 100
78 53.4 44.0 66.0
103 55.7 45.2 67.8

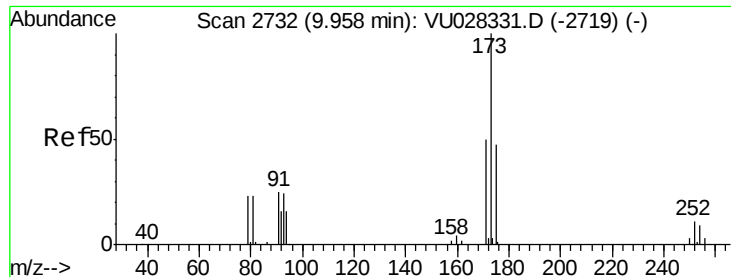


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#67

Bromoform

Concen: 10.404 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MSD

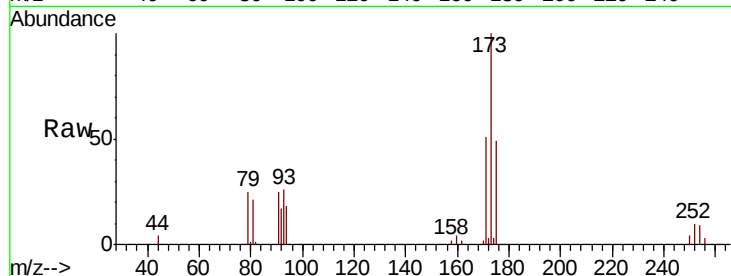
Tot Ion:173 Resp: 19211

Ion Ratio Lower Upper

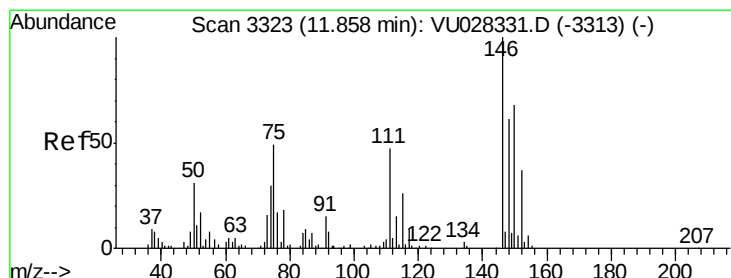
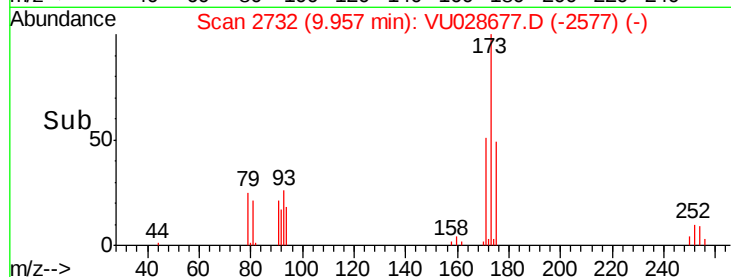
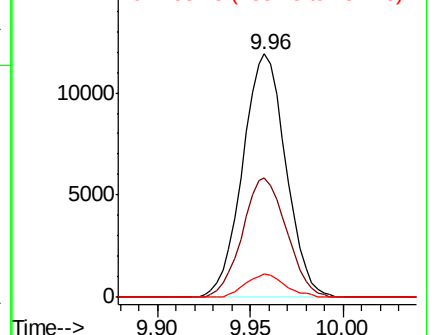
173 100

175 50.0 39.0 58.6

254 8.7 6.8 10.2



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 10.404 ug/l

RT: 11.86 min Scan# 3323

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

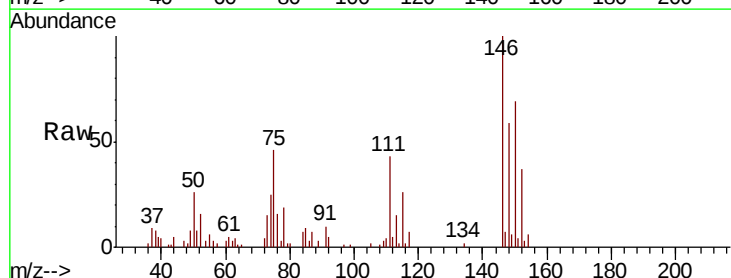
Tgt Ion:152 Resp: 5160

Ion Ratio Lower Upper

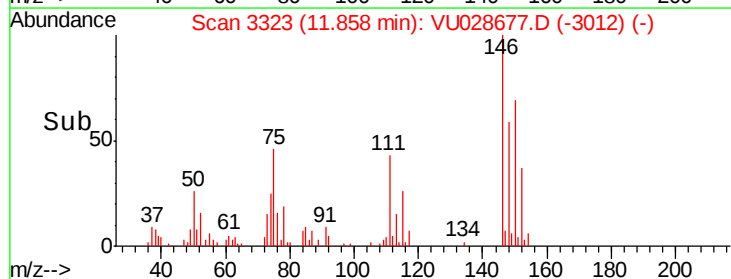
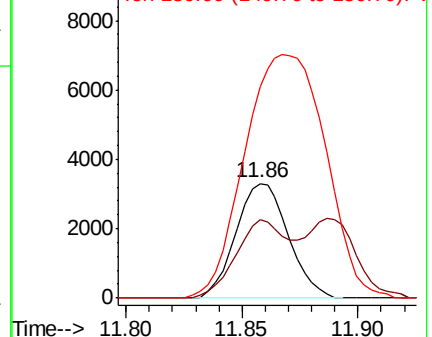
152 100

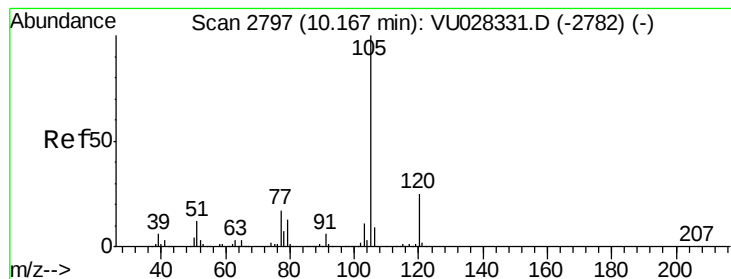
115 64.3 0.0 146.8

150 329.6 0.0 653.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 10.349 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

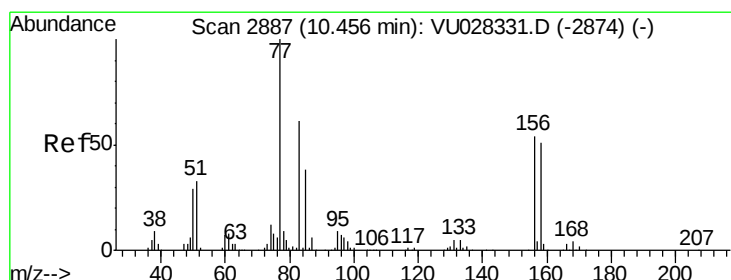
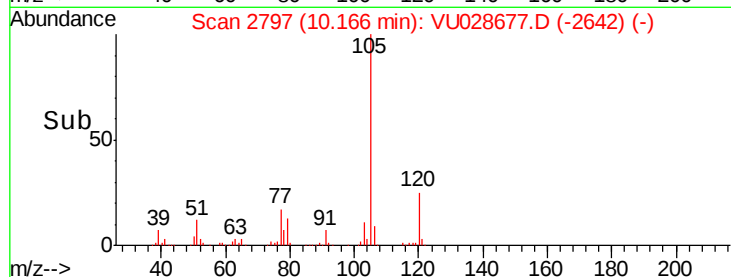
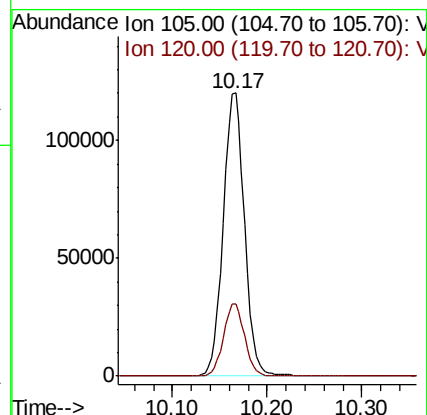
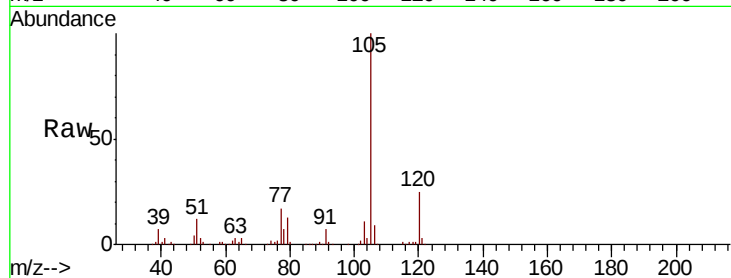
P001-TW001-01MSD

Tot Ion:105 Resp: 187542

Ion Ratio Lower Upper

105 100

120 25.3 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 10.864 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

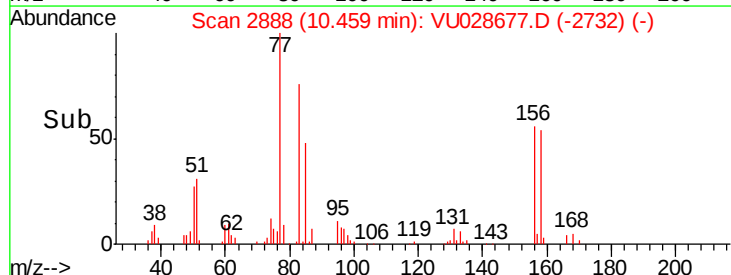
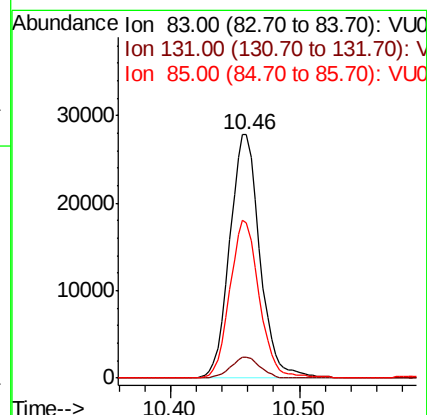
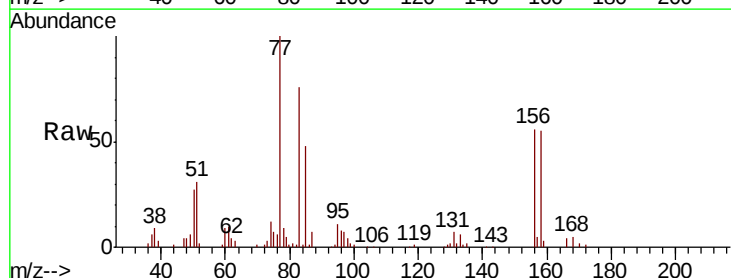
Tgt Ion: 83 Resp: 45139

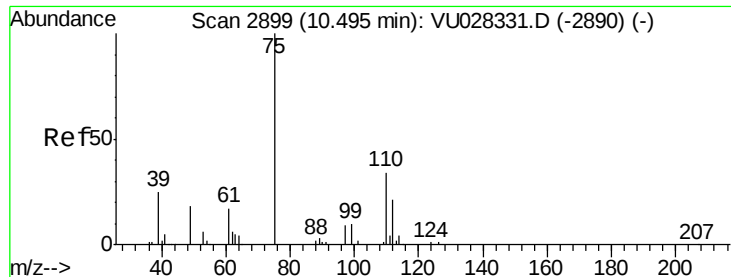
Ion Ratio Lower Upper

83 100

131 8.2 6.6 9.8

85 63.3 50.5 75.7





#71

1,2,3-Trichloropropane

Concen: 10.026 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MSD

Tot Ion: 75 Resp: 29039

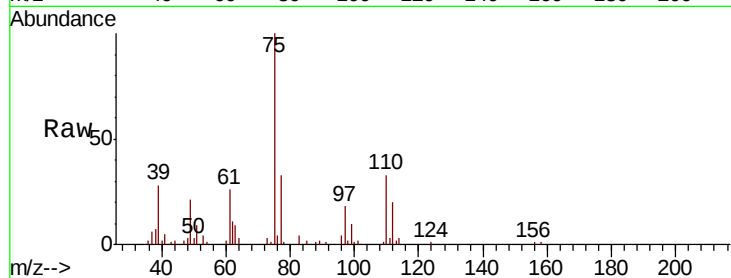
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 36.9 0.0 67.6

97 21.2 0.0 35.8

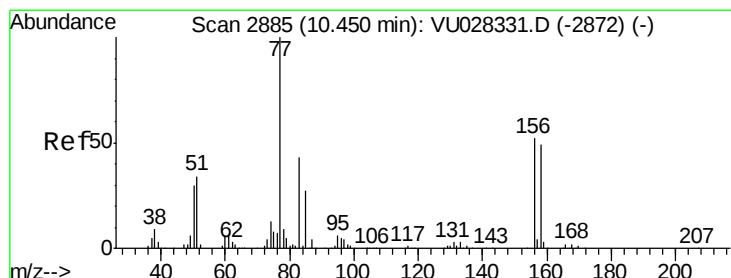
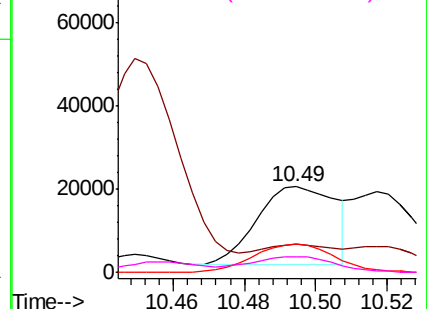
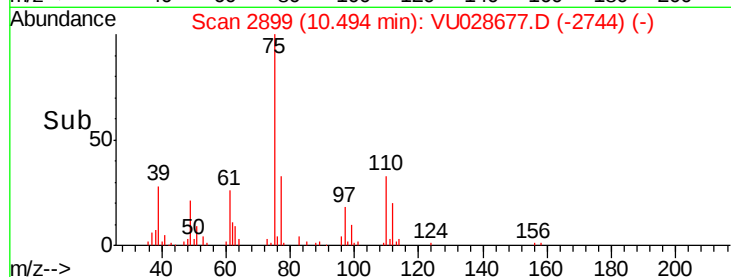


Abundance Ion 75.00 (74.70 to 75.70): VU028331.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU028331.D (-2890) (-)

Ion 110.00 (109.70 to 110.70): VU028331.D (-2890) (-)

Ion 97.00 (96.70 to 97.70): VU028331.D (-2890) (-)



#72

Bromobenzene

Concen: 10.793 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

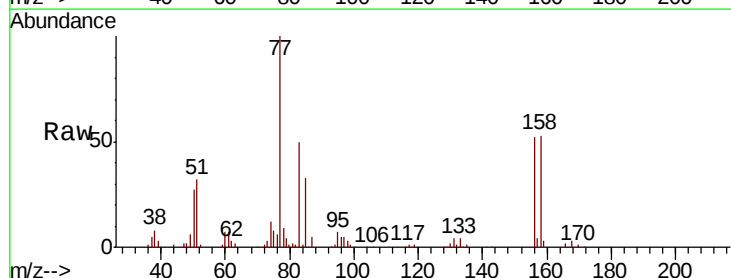
Tgt Ion: 156 Resp: 43411

Ion Ratio Lower Upper

156 100

77 189.9 0.0 380.4

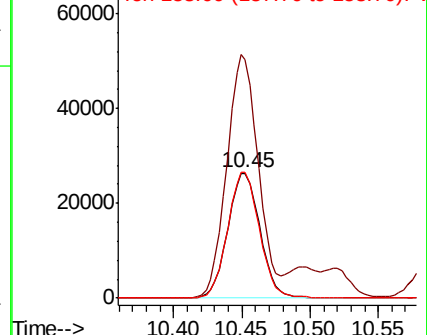
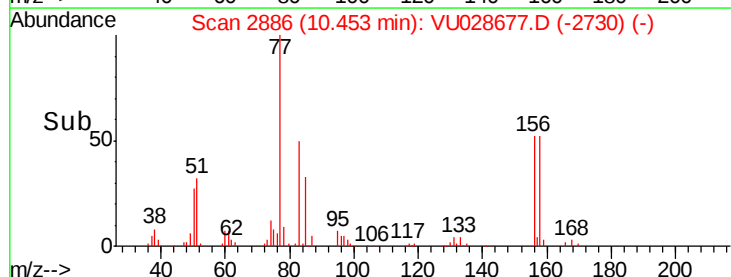
158 98.8 0.0 191.2

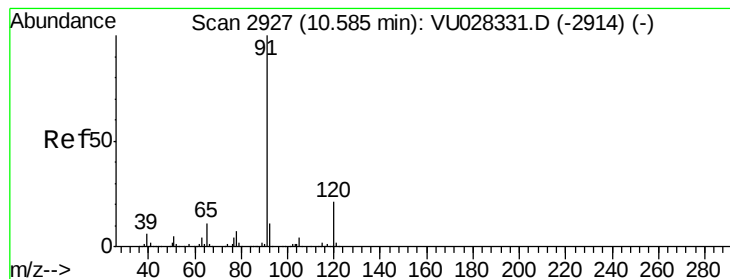


Abundance Ion 156.00 (155.70 to 156.70): VU028331.D (-2872) (-)

Ion 77.00 (76.70 to 77.70): VU028331.D (-2872) (-)

Ion 158.00 (157.70 to 158.70): VU028331.D (-2872) (-)





#73

n-propylbenzene

Concen: 10.916 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

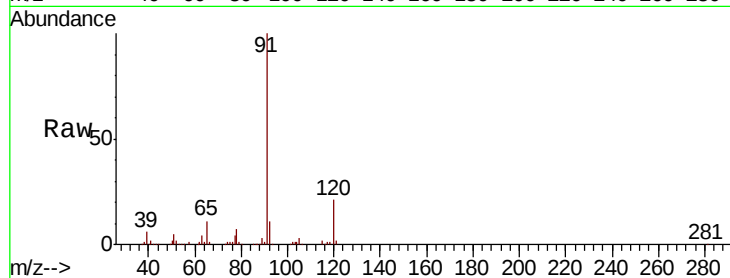
P001-TW001-01MSD

Tot Ion:120 Resp: 51303

Ion Ratio Lower Upper

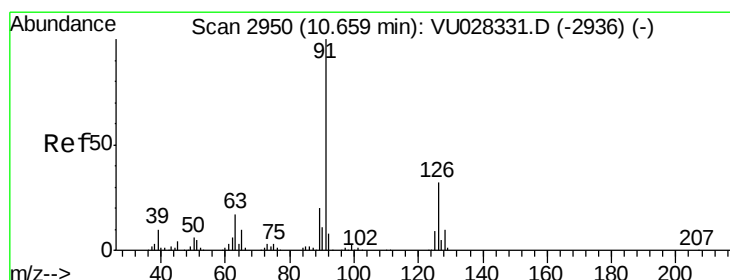
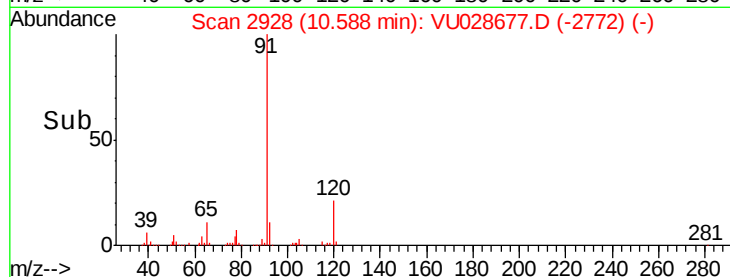
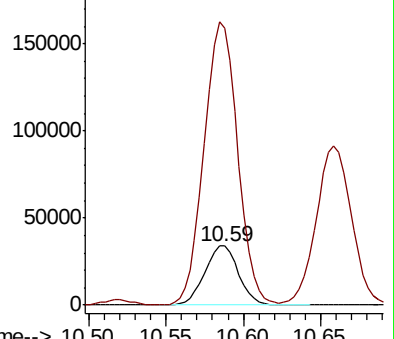
120 100

91 476.6 388.1 582.1



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.964 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028677.D

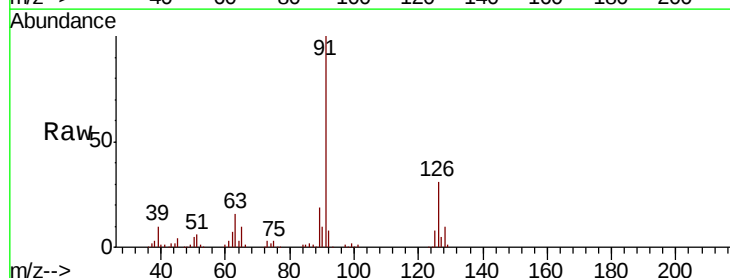
Acq: 13 Dec 2018 14:38

Tgt Ion:126 Resp: 45154

Ion Ratio Lower Upper

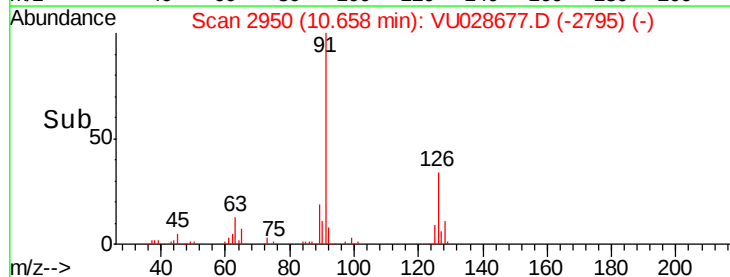
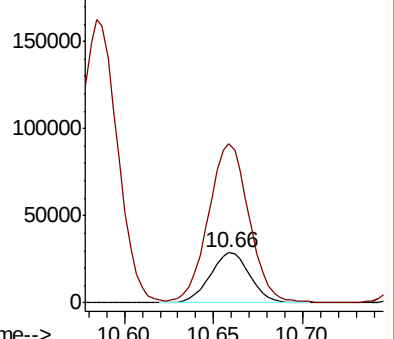
126 100

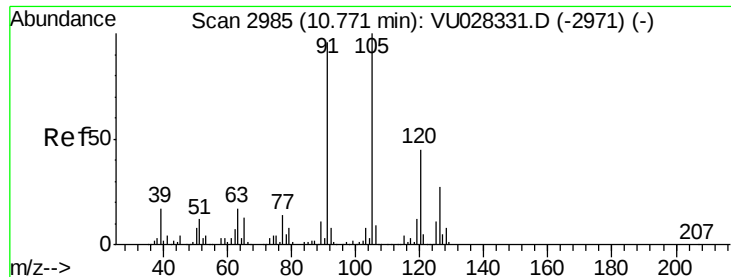
91 319.7 0.0 661.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 10.864 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

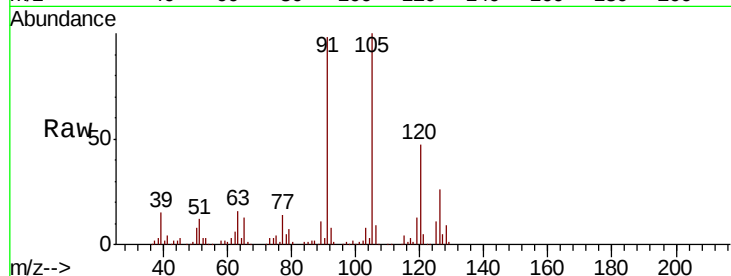
P001-TW001-01MSD

Tot Ion:105 Resp: 165697

Ion Ratio Lower Upper

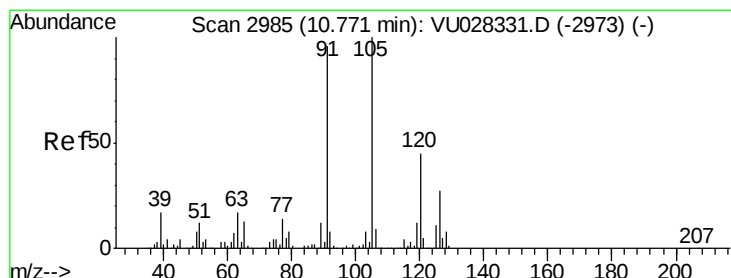
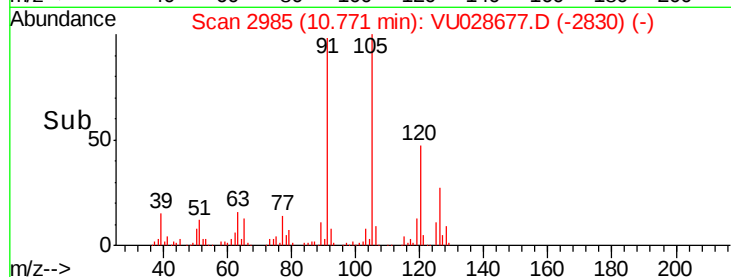
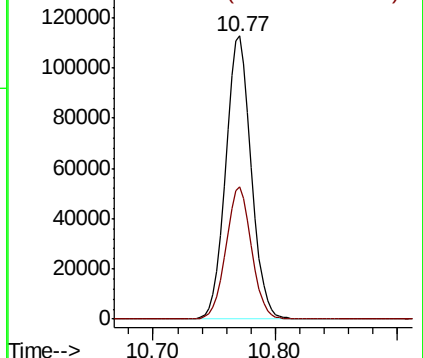
105 100

120 46.7 36.3 54.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 10.771 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028677.D

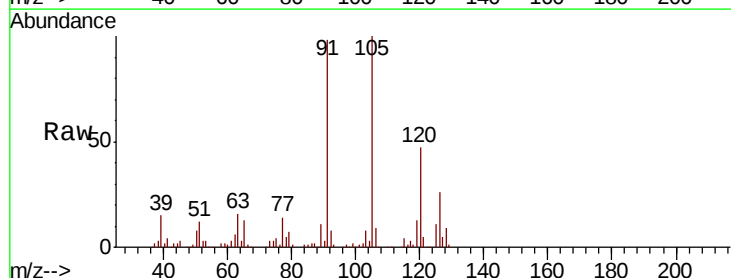
Acq: 13 Dec 2018 14:38

Tgt Ion:126 Resp: 44973

Ion Ratio Lower Upper

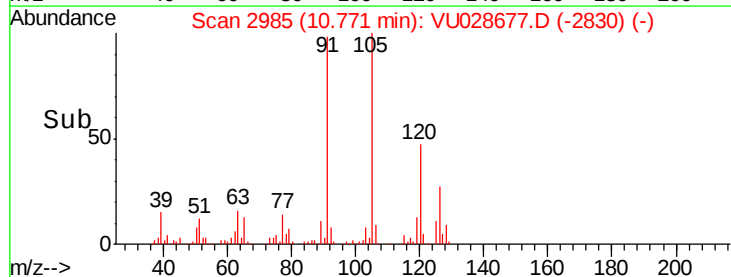
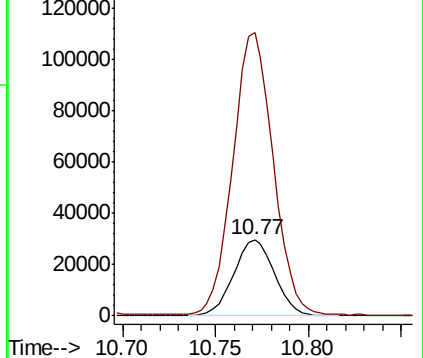
126 100

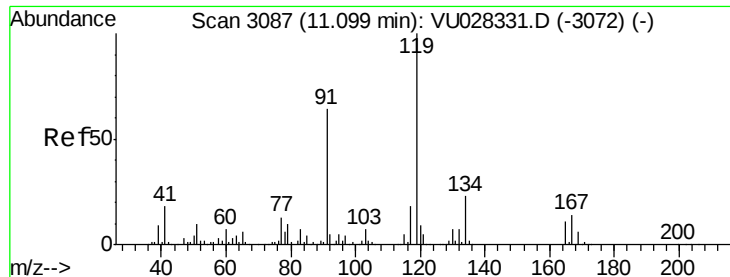
91 368.7 0.0 731.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 10.895 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MSD

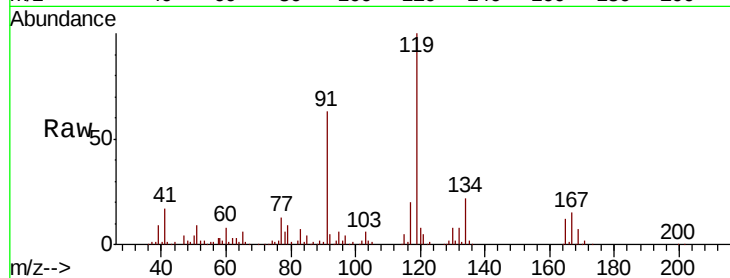
Tot Ion:119 Resp: 156436

Ion Ratio Lower Upper

119 100

91 63.2 32.0 96.0

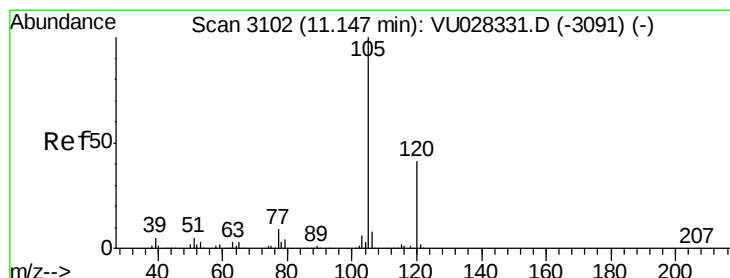
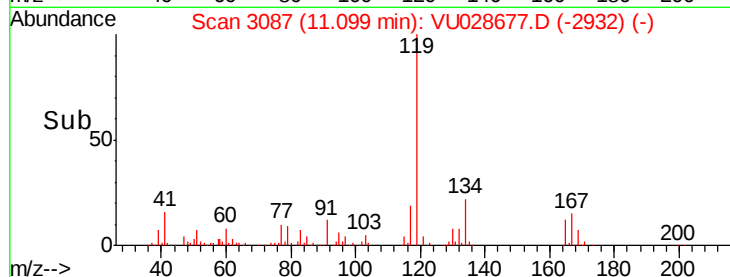
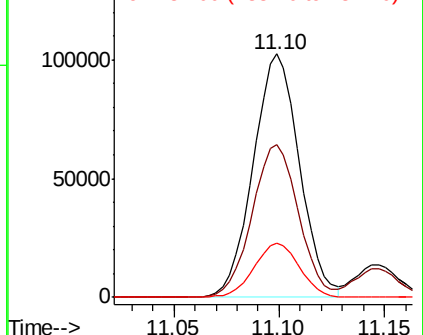
134 22.0 17.9 26.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 10.853 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028677.D

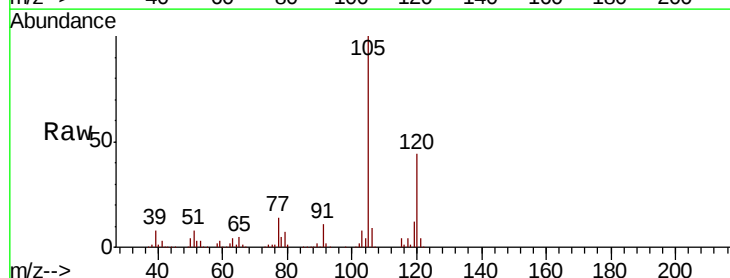
Acq: 13 Dec 2018 14:38

Tgt Ion:105 Resp: 169622

Ion Ratio Lower Upper

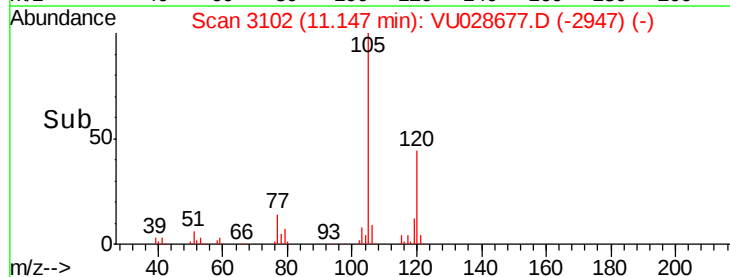
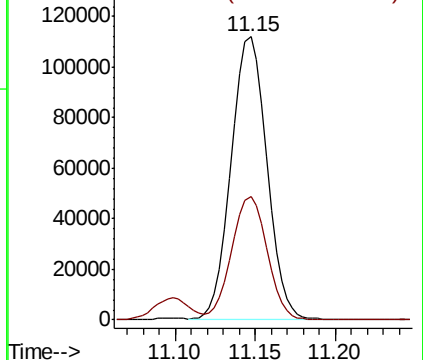
105 100

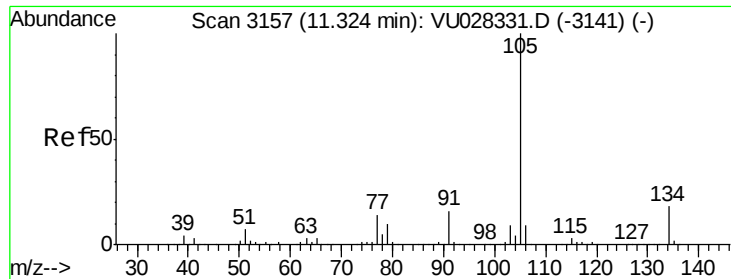
120 43.4 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 10.818 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

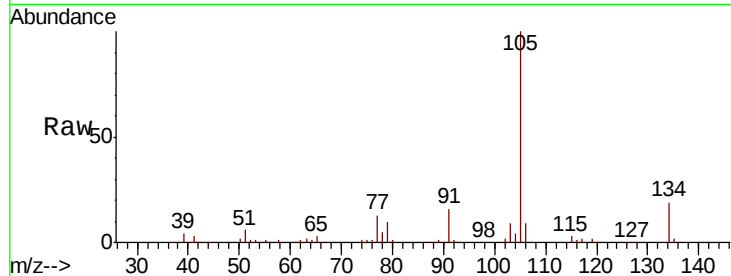
P001-TW001-01MSD

Tot Ion: 105 Resp: 216548

Ion Ratio Lower Upper

105 100

134 18.7 14.6 22.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

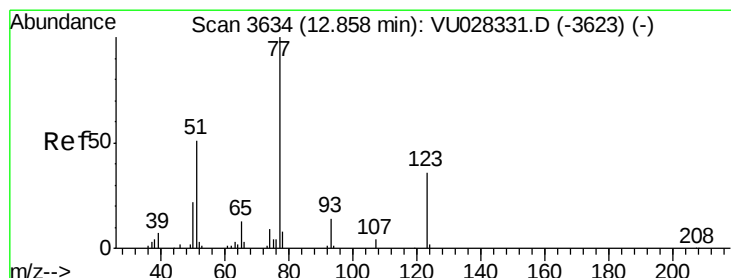
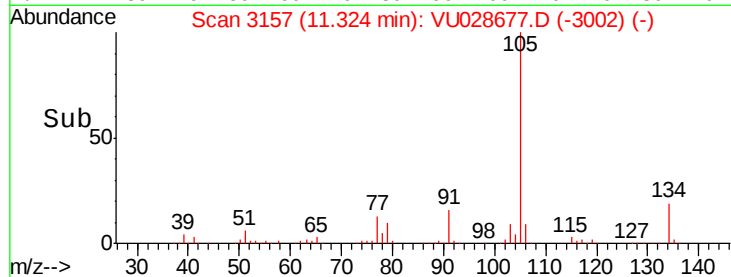
150000

100000

50000

0

Time-->



#80

Nitrobenzene

Concen: 59.890 ug/l

RT: 12.86 min Scan# 3635

Delta R.T. 0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

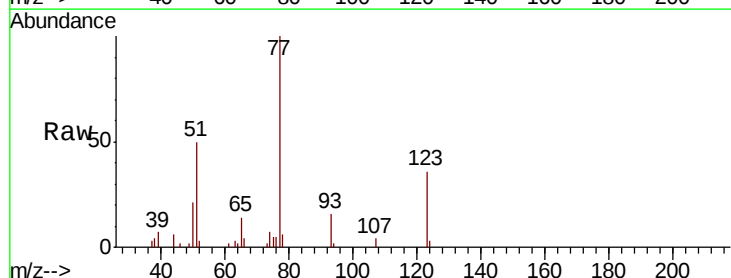
Tgt Ion: 77 Resp: 11210

Ion Ratio Lower Upper

77 100

123 37.1 16.5 58.3

65 12.9 12.1 15.3



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

12.86

8000

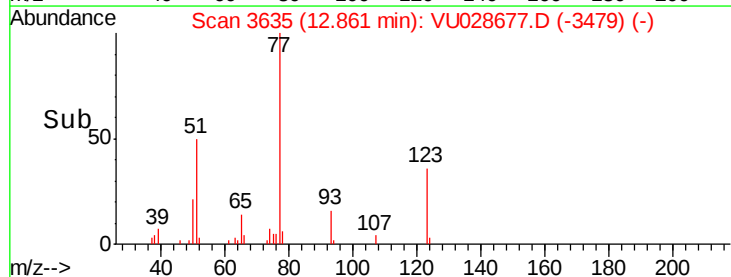
6000

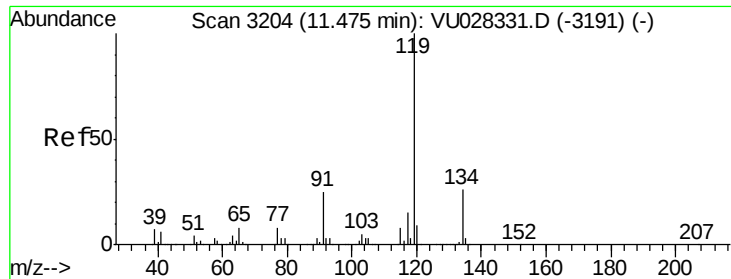
4000

2000

0

Time-->

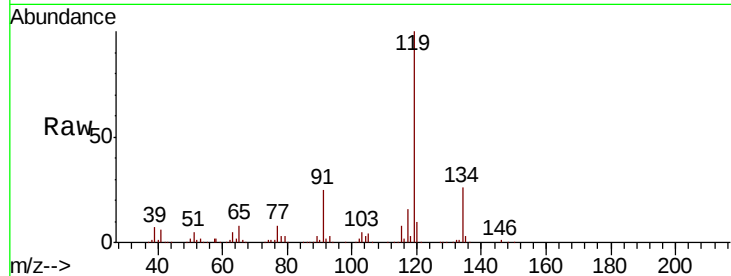




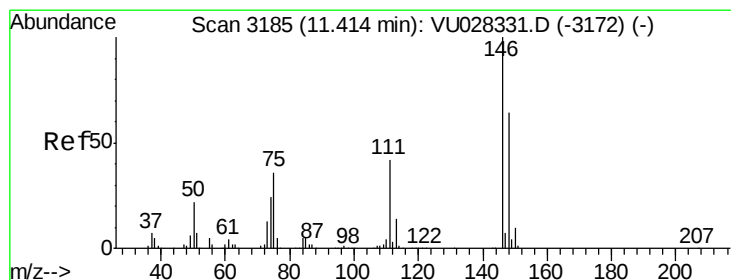
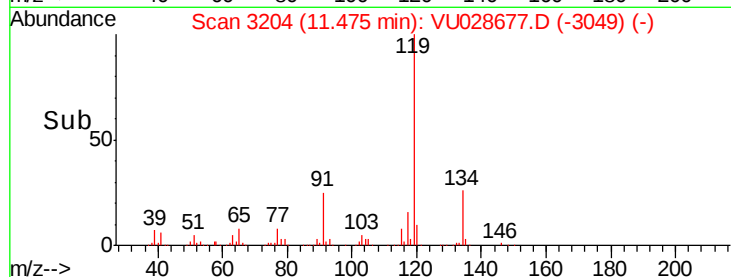
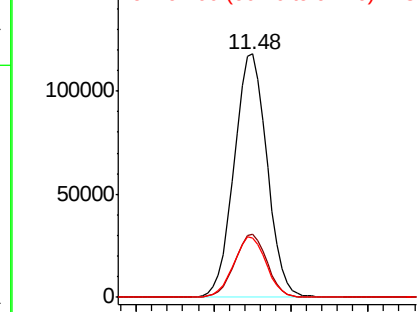
#81
p-Isopropyltoluene
Concen: 10.872 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MSD

Tot Ion:119 Resp: 172938
Ion Ratio Lower Upper
119 100
134 25.5 20.3 30.5
91 24.9 20.0 30.0

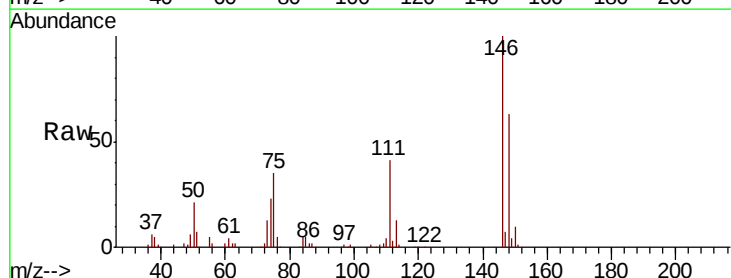


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

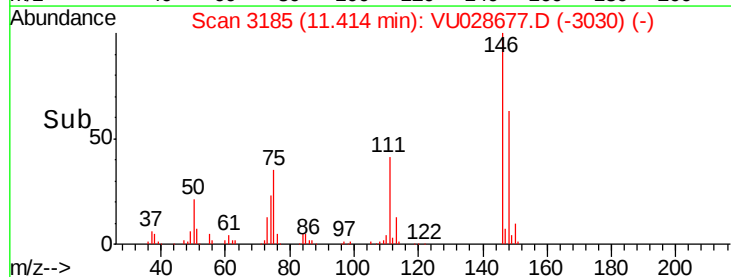
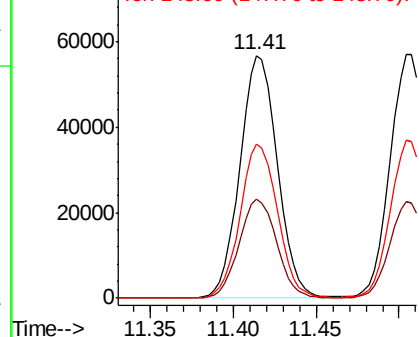


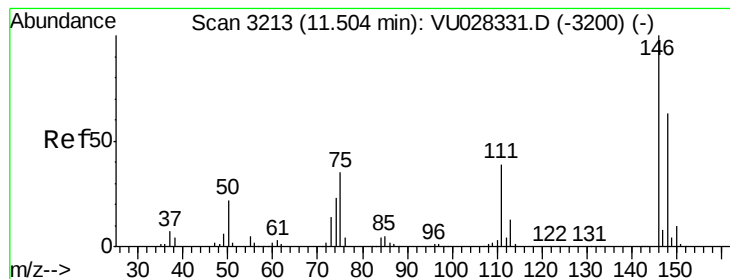
#82
1,3-Dichlorobenzene
Concen: 11.126 ug/l
RT: 11.41 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VU028677.D
Acq: 13 Dec 2018 14:38

Tgt Ion:146 Resp: 89636
Ion Ratio Lower Upper
146 100
111 41.0 33.4 50.2
148 63.2 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#83

1,4-Dichlorobenzene

Concen: 11.159 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MSD

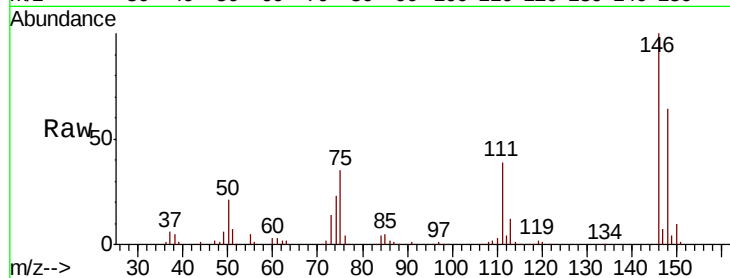
Tot Ion:146 Resp: 89483

Ion Ratio Lower Upper

146 100

111 39.6 31.4 47.2

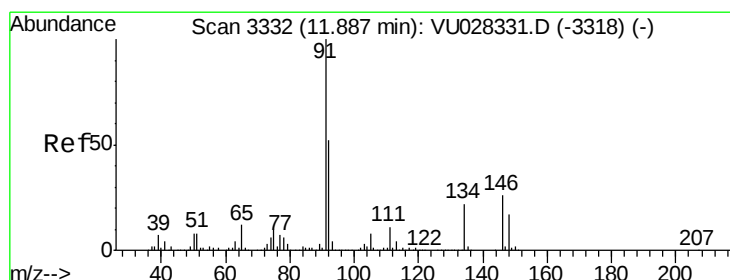
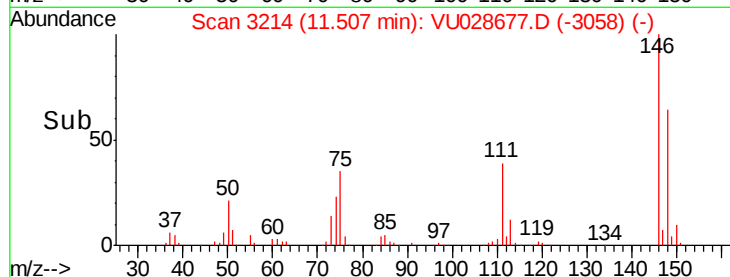
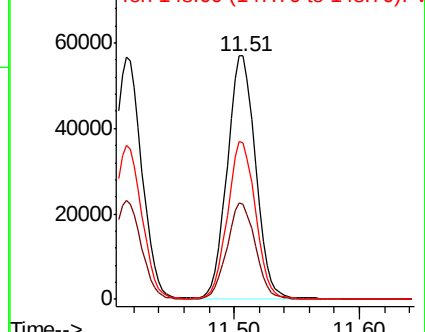
148 63.8 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

n-Butylbenzene

Concen: 10.845 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

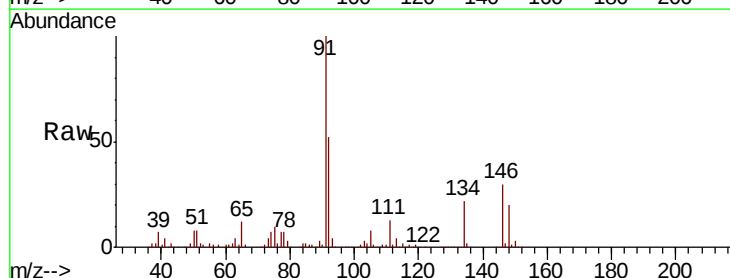
Tgt Ion: 91 Resp: 181112

Ion Ratio Lower Upper

91 100

92 51.6 41.6 62.4

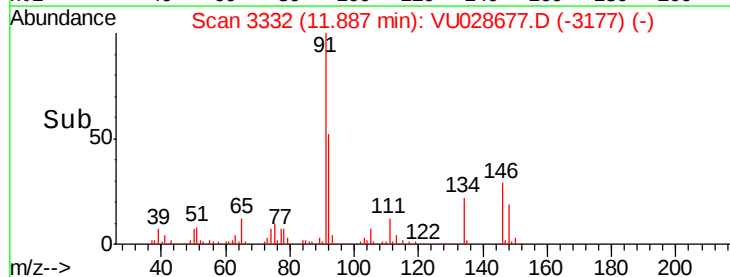
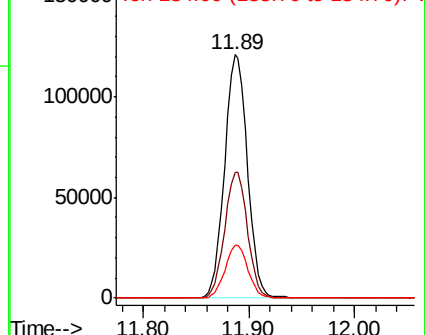
134 21.7 17.8 26.6

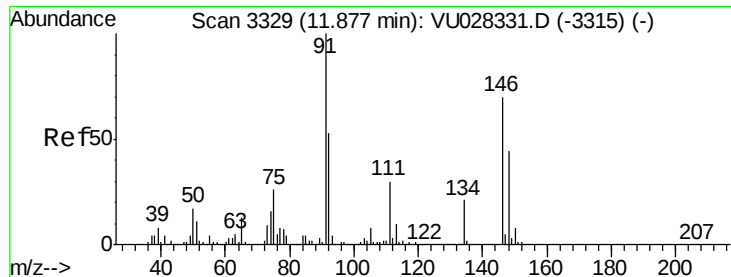


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 11.119 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MSD

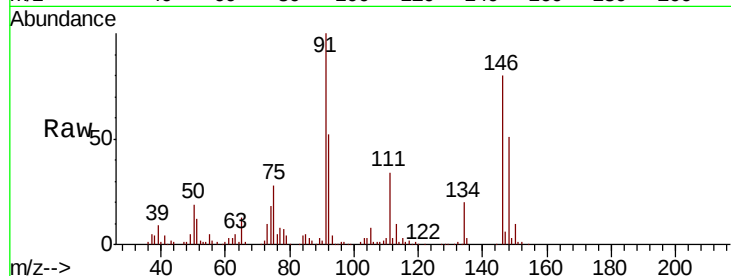
Tot Ion:146 Resp: 85269

Ion Ratio Lower Upper

146 100

111 42.2 21.4 64.3

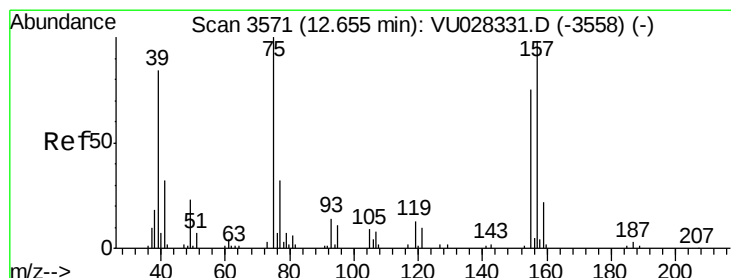
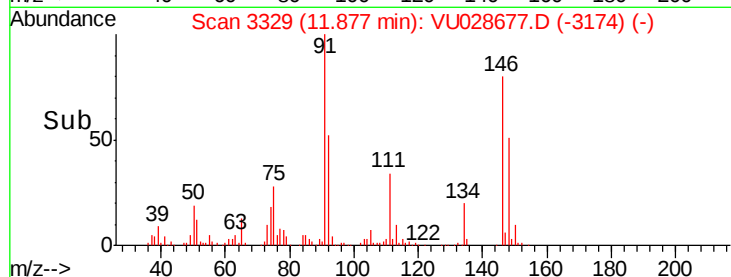
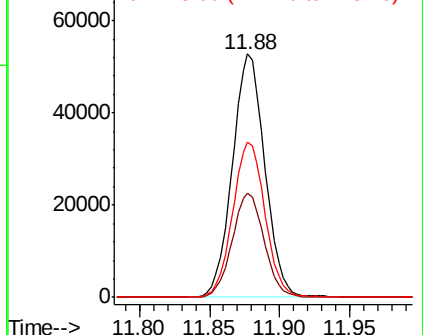
148 63.5 31.4 94.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 10.660 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

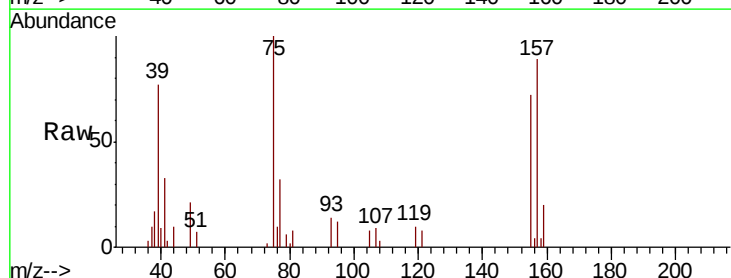
Tgt Ion: 75 Resp: 7125

Ion Ratio Lower Upper

75 100

155 75.3 57.0 85.4

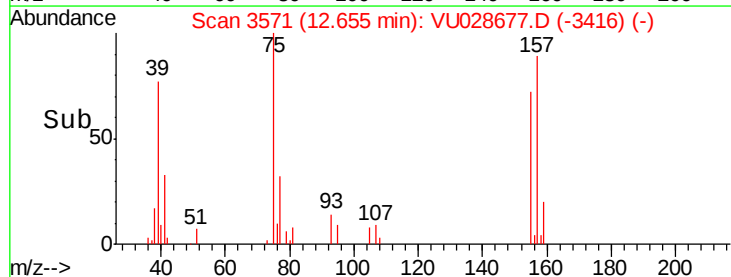
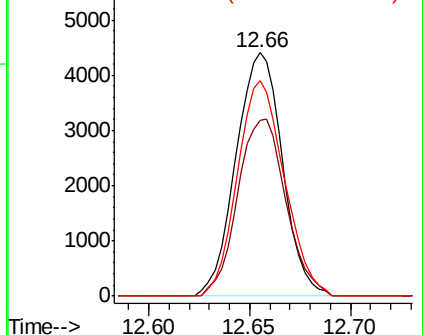
157 89.3 75.4 113.2

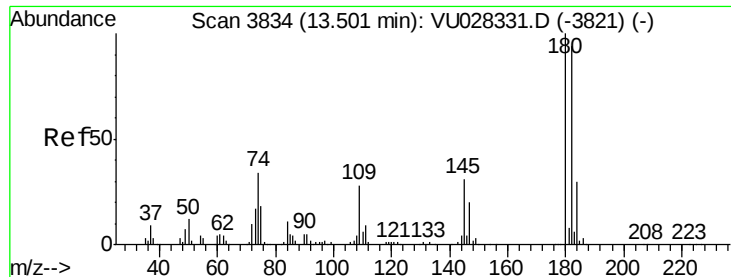


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

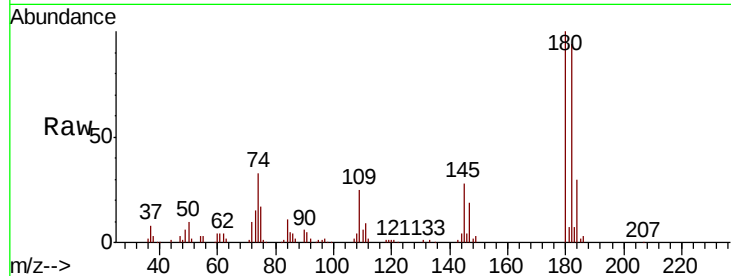




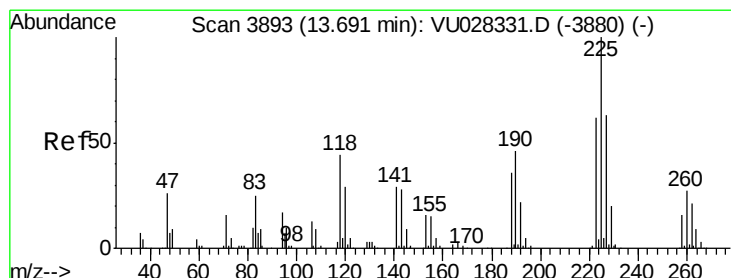
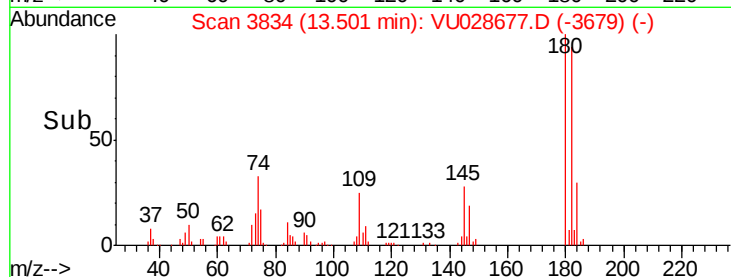
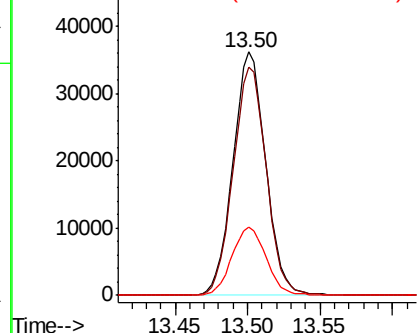
#87
 1,2,4-Trichlorobenzene
 Concen: 10.488 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028677.D
 Acq: 13 Dec 2018 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MSD

Tot Ion:180 Resp: 56537
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.6 113.4
 145 29.3 24.4 36.6

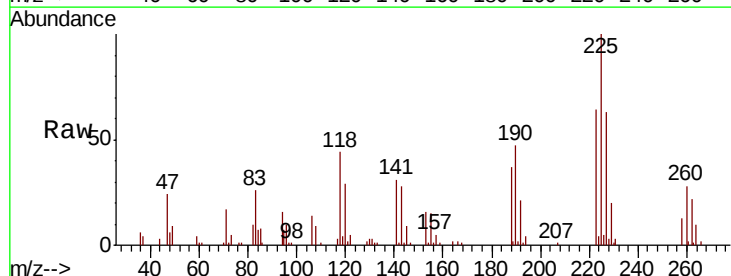


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

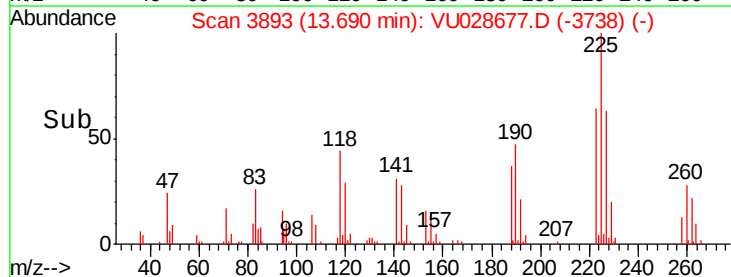
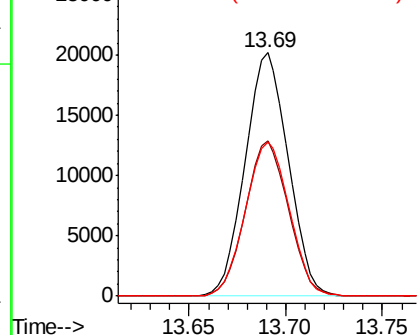


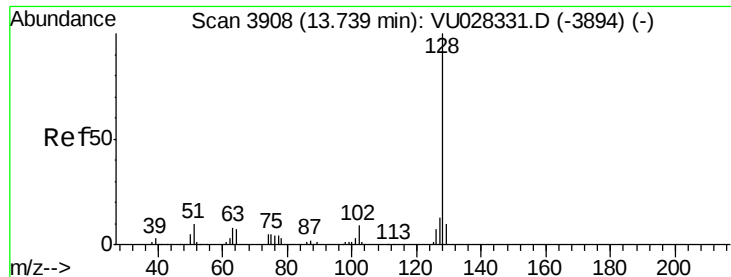
#88
 Hexachlorobutadiene
 Concen: 10.737 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028677.D
 Acq: 13 Dec 2018 14:38

Tgt Ion:225 Resp: 31318
 Ion Ratio Lower Upper
 225 100
 223 63.8 50.6 76.0
 227 64.3 50.8 76.2



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 10.642 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MSD

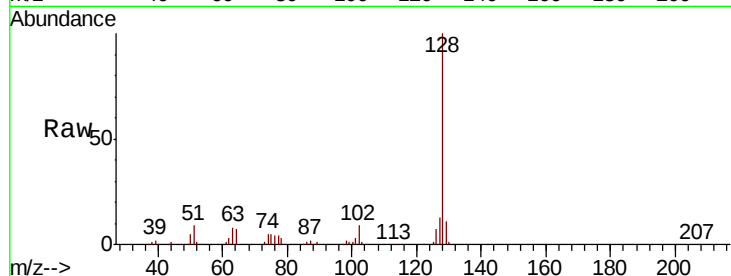
Tot Ion:128 Resp: 113376

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	10.6	8.2	12.4

128 100

127 13.3 10.3 15.5

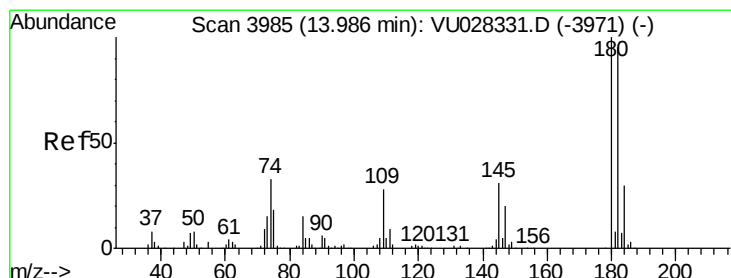
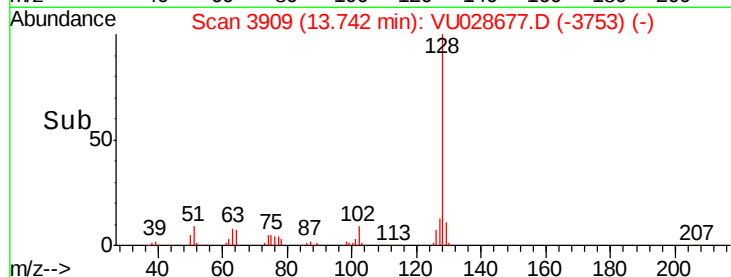
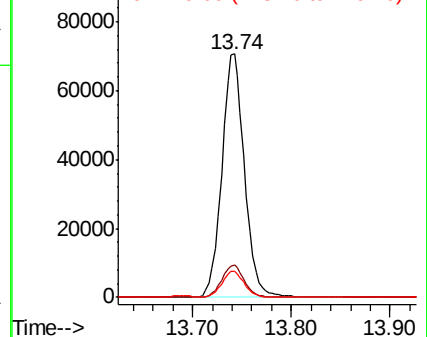
129 10.6 8.2 12.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 10.723 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028677.D

Acq: 13 Dec 2018 14:38

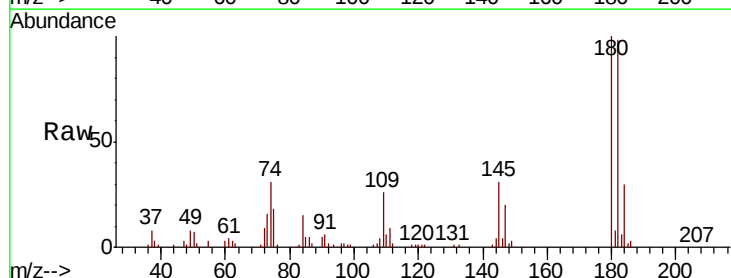
Tgt Ion:180 Resp: 54504

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
145	31.2	26.0	39.0

180 100

182 95.7 76.1 114.1

145 31.2 26.0 39.0



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

