

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121418\
 Data File : VU028678.D
 Acq On : 13 Dec 2018 15:07
 Operator : MD/SY
 Sample : VSTDCCC010EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Dec 14 05:38:20 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	14286	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	5453	1.04	ug/l	0.00
Spiked Amount	1.000		Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	5536	1.14	ug/l	0.00
Spiked Amount	1.000		Recovery	=	114.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	53956	10.499	ug/l 98
3) Chloromethane	1.33	50	81834	9.356	ug/l 98
4) Vinyl Chloride	1.40	62	63270	10.569	ug/l 98
5) Bromomethane	1.61	94	24159	10.243	ug/l 100
6) Chloroethane	1.69	64	35920	10.278	ug/l 100
7) Trichlorofluoromethane	1.88	101	70371	10.763	ug/l 100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	41506	11.038	ug/l 98
9) 1,1-Dichloroethene	2.28	96	36603	10.524	ug/l 92
10) Iodomethane	2.41	142	41404	17.601	ug/l 99
11) Allyl Chloride	2.59	41	87855	10.005	ug/l 99
12) Acrylonitrile	2.94	53	23457	21.172	ug/l 95
13) Acetone	2.32	43	48901	47.629	ug/l 95
14) Carbon Disulfide	2.48	76	132804	10.052	ug/l 100
15) Methylene Chloride	2.70	84	44081	10.393	ug/l 98
16) trans-1,2-Dichloroethene	2.98	96	40344	10.364	ug/l 98
17) 1,1-Dichloroethane	3.44	63	90344	10.411	ug/l 99
18) 2-Butanone	4.28	43	81027	52.814	ug/l 97
19) Cyclohexane	4.98	56	75826	10.065	ug/l 96
20) Methylcyclohexane	6.40	83	70130	9.510	ug/l 97
21) 2,2-Dichloropropane	4.22	77	71114	10.211	ug/l 98
22) cis-1,2-Dichloroethene	4.22	96	45401	9.967	ug/l 96
23) Diethyl Ether	2.10	59	36746	10.539	ug/l 98
24) tert-Butyl Alcohol	2.84	59	36445	104.136	ug/l 99
25) Methyl tert-Butyl Ether	3.00	73	108148	10.468	ug/l 99
26) Bromochloromethane	4.55	128	17462	10.056	ug/l 97
27) Chloroform	4.67	83	79590	9.511	ug/l 99
28) 1,1,1-Trichloroethane	4.91	97	67726	10.363	ug/l 97
29) 1,1-Dichloropropene	5.13	75	61070	9.741	ug/l 99
30) Carbon Tetrachloride	5.12	117	52617	9.970	ug/l 99
31) Isopropyl Ether	3.58	45	161191	10.373	ug/l 100
32) Ethyl-t-butyl ether	4.08	59	130650	10.208	ug/l 100
33) Tert-Amyl methyl ether	5.59	73	106269	10.009	ug/l 100
34) Propionitrile	4.33	54	21901	56.826	ug/l # 98
35) Benzene	5.38	78	177598	9.623	ug/l 100
36) 1,2-Dichloroethane	5.40	62	55541	10.062	ug/l 99
37) Trichloroethene	6.18	130	39313	9.779	ug/l 95
38) 1,2-Dichloropropane	6.43	63	51900	9.860	ug/l 97
39) Methacrylonitrile	4.55	41	21425	10.378	ug/l 98
40) Methyl acrylate	4.43	55	29237	10.294	ug/l 98
41) Tetrahydrofuran	4.66	42	21672	20.885	ug/l 99
42) 1-Chlorobutane	5.06	56	96298	9.663	ug/l 99

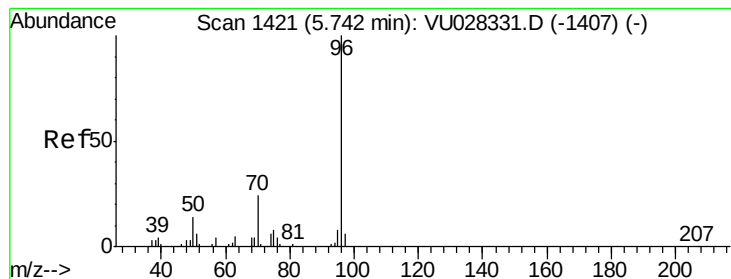
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121418\
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	22195	9.906	ug/l	99
44) Bromodichloromethane	6.76	83	57166	9.662	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	185983	51.678	ug/l	99
46) t-1,4-Dichloro-2-butene	10.49	75	30312	23.028	ug/l	95
47) Methyl methacrylate	6.63	69	48406	21.166	ug/l	97
48) Ethyl methacrylate	8.03	69	46643	10.196	ug/l	98
49) Toluene	7.63	92	102694	10.019	ug/l	97
50) t-1,3-Dichloropropene	7.88	75	55929	9.842	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	67950	9.683	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	32858	10.446	ug/l	97
53) 1,3-Dichloropropane	8.24	76	59961	10.204	ug/l	98
54) 2-Hexanone	8.37	43	130417	50.374	ug/l	99
55) Dibromochloromethane	8.48	129	35212	10.524	ug/l	99
56) 1,2-Dibromoethane	8.59	107	29825	10.409	ug/l	99
58) Tetrachloroethene	8.22	164	38350	10.420	ug/l	97
59) Chlorobenzene	9.12	112	109730	10.288	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	38403	10.625	ug/l	98
61) Pentachloroethane	11.10	117	31407	11.166	ug/l	99
62) Hexachloroethane	12.14	117	30669	11.635	ug/l	99
63) Ethyl Benzene	9.25	91	206805	10.508	ug/l	99
64) m/p-Xylenes	9.37	106	156012	21.905	ug/l	99
65) o-Xylene	9.78	106	73826	10.742	ug/l	100
66) Styrene	9.79	104	129801	11.011	ug/l	98
67) Bromoform	9.96	173	19751	10.533	ug/l	99
69) Isopropylbenzene	10.16	105	197460	10.729	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	46505	11.021	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	30312	10.305	ug/l #	98
72) Bromobenzene	10.45	156	45970	11.254	ug/l	97
73) n-propylbenzene	10.58	120	54149	11.344	ug/l	98
74) 2-Chlorotoluene	10.66	126	47492	11.355	ug/l	95
75) 1,3,5-Trimethylbenzene	10.77	105	173737	11.217	ug/l	96
76) 4-Chlorotoluene	10.77	126	48346	11.402	ug/l	98
77) tert-Butylbenzene	11.10	119	163945	11.243	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	179301	11.296	ug/l	100
79) sec-Butylbenzene	11.32	105	226582	11.146	ug/l	100
80) Nitrobenzene	12.86	77	10221	53.769	ug/l	92
81) p-Isopropyltoluene	11.48	119	181003	11.205	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	92927	11.357	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	93078	11.429	ug/l	99
84) n-Butylbenzene	11.89	91	190898	11.256	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	86939	11.163	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.65	75	6940	10.224	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	58557	10.696	ug/l	98
88) Hexachlorobutadiene	13.69	225	34228	11.555	ug/l	97
89) Naphthalene	13.74	128	116883	10.803	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	55976	10.843	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: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 96 Resp: 14286

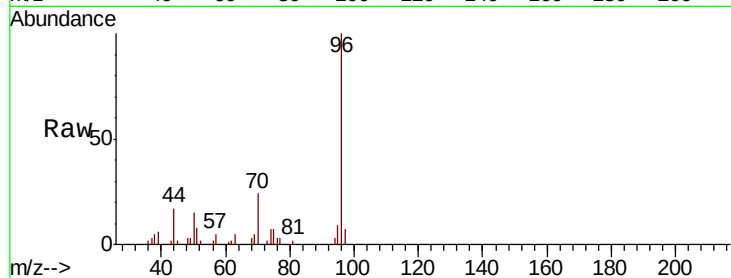
Ion Ratio Lower Upper

96 100

70 23.6 17.8 26.8

95 8.7 7.6 11.4

97 0.0 0.0 0.0

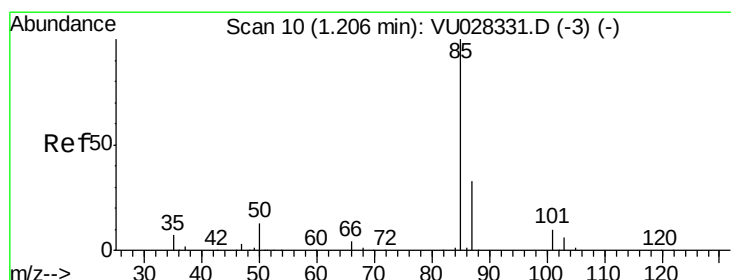
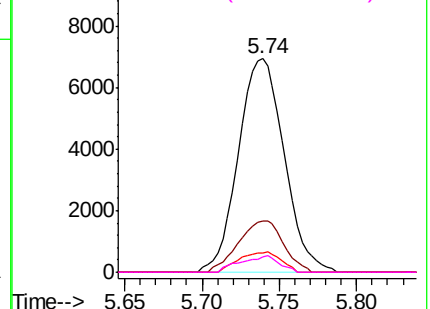
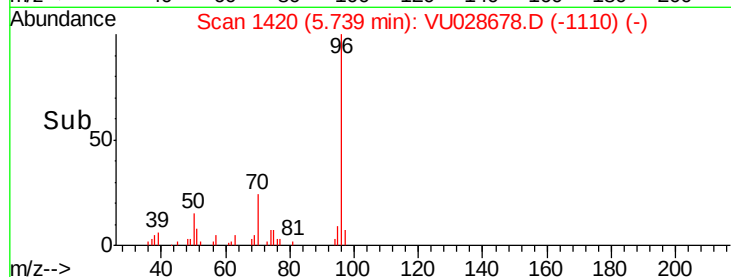


Abundance Ion 96.00 (95.70 to 96.70): VU0

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: 10.499 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028678.D

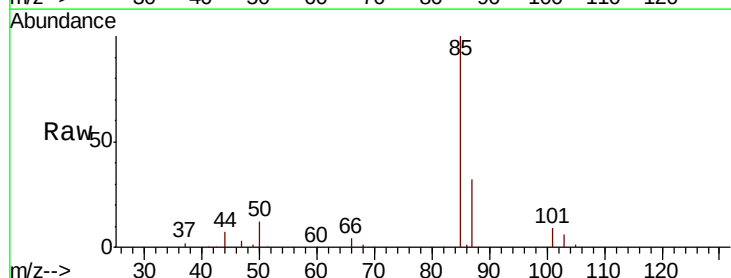
Acq: 13 Dec 2018 15:07

Tgt Ion: 85 Resp: 53956

Ion Ratio Lower Upper

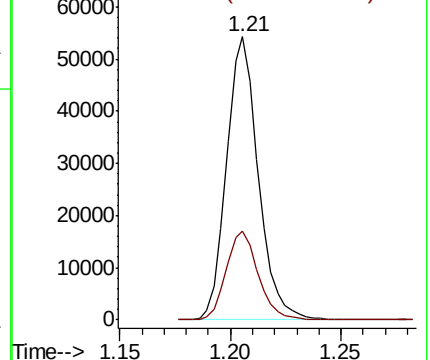
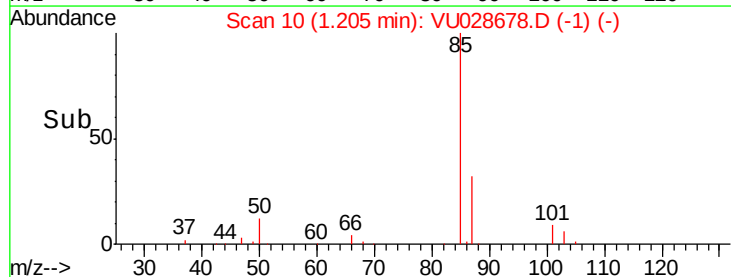
85 100

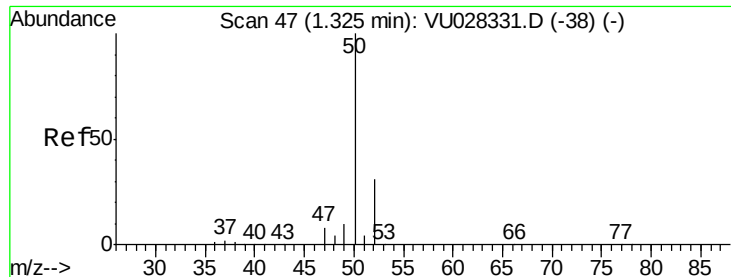
87 31.5 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 9.356 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

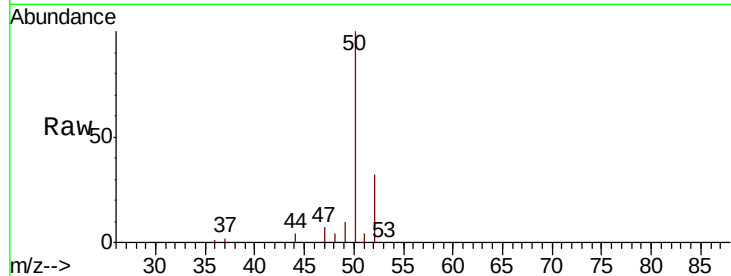
VSTDCCC010EC

Tot Ion: 50 Resp: 81834

Ion Ratio Lower Upper

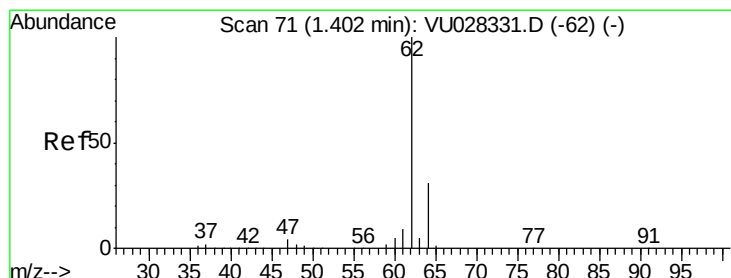
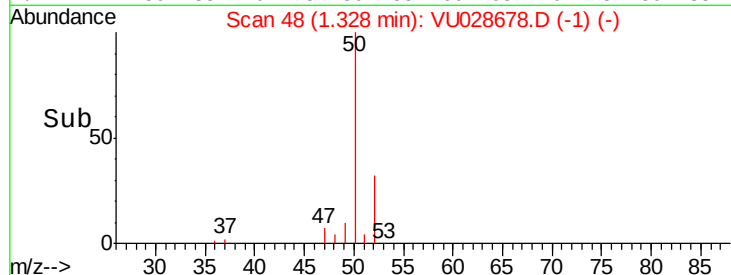
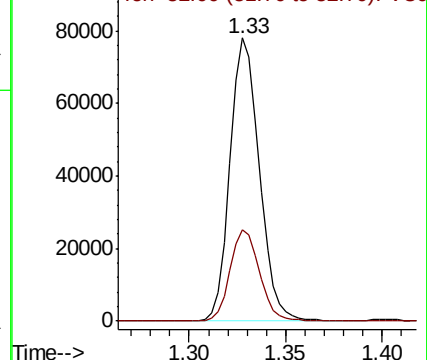
50 100

52 32.2 25.1 37.7



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 10.569 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028678.D

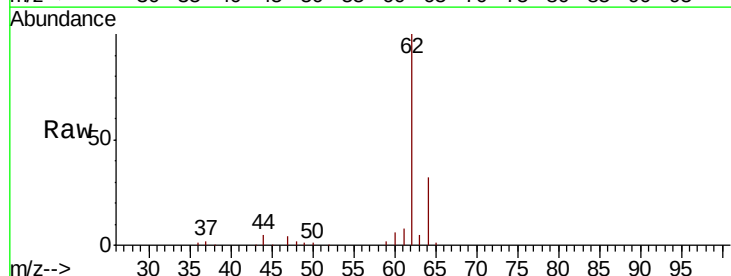
Acq: 13 Dec 2018 15:07

Tgt Ion: 62 Resp: 63270

Ion Ratio Lower Upper

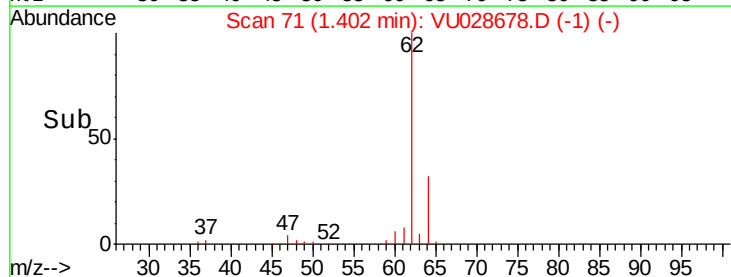
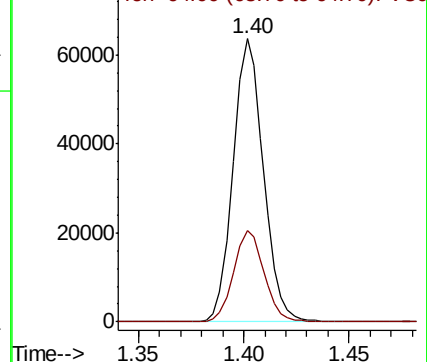
62 100

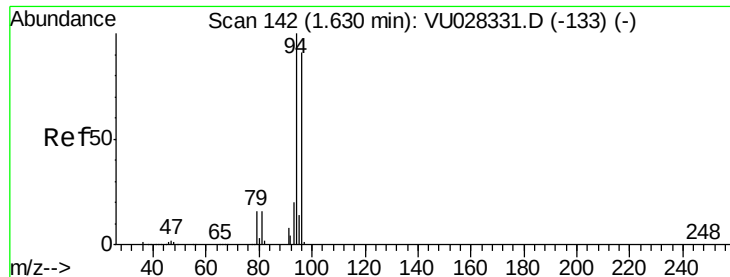
64 32.2 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 10.243 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.02 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

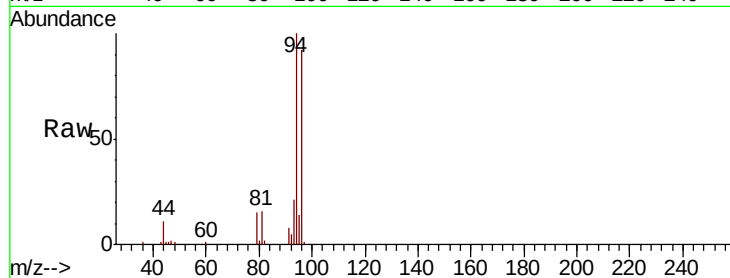
VSTDCCC010EC

Tot Ion: 94 Resp: 24159

Ion Ratio Lower Upper

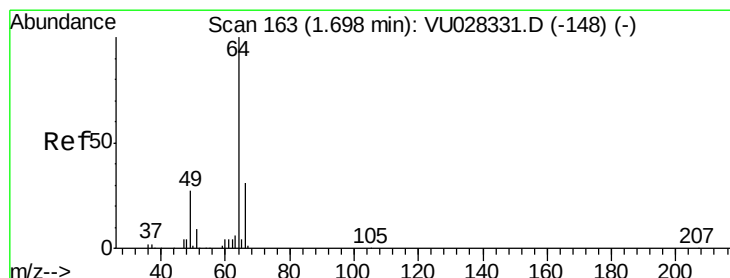
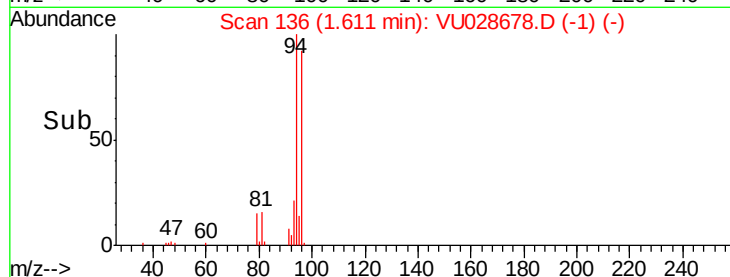
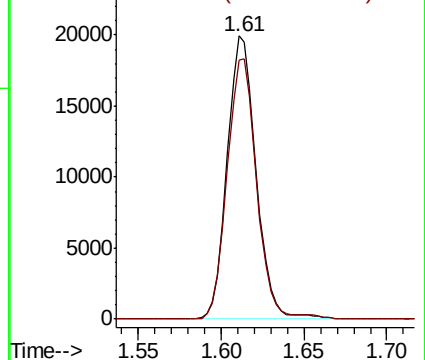
94 100

96 91.7 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: 10.278 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.01 min

Lab File: VU028678.D

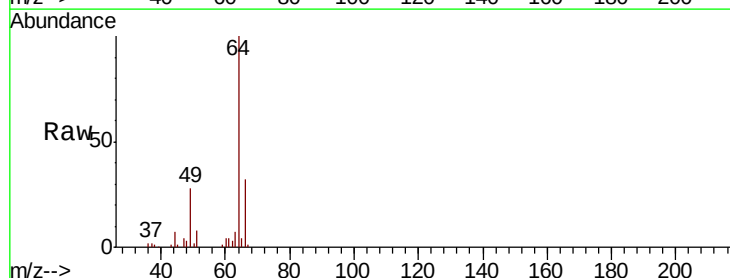
Acq: 13 Dec 2018 15:07

Tgt Ion: 64 Resp: 35920

Ion Ratio Lower Upper

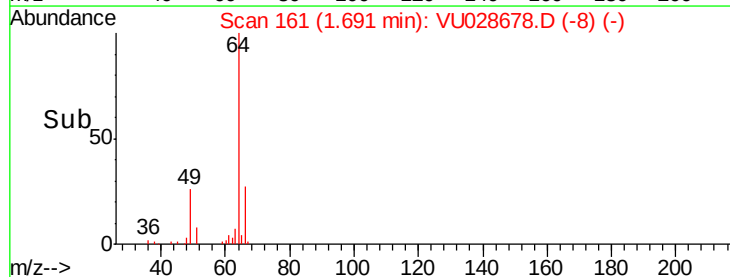
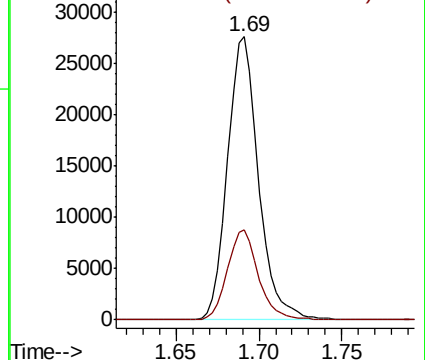
64 100

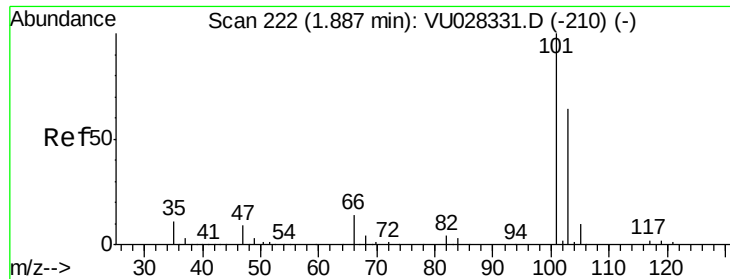
66 31.7 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



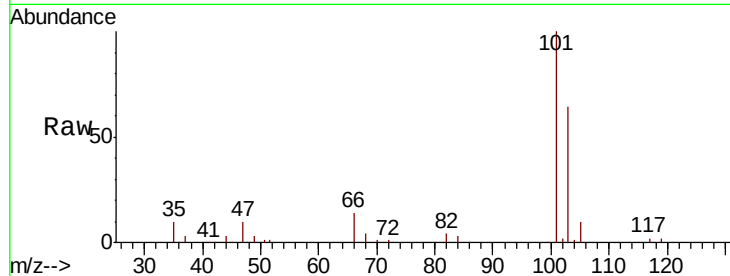


#7

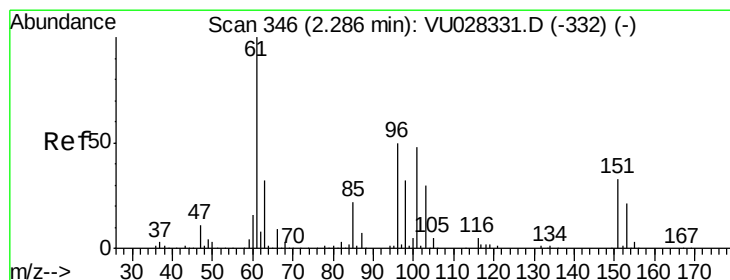
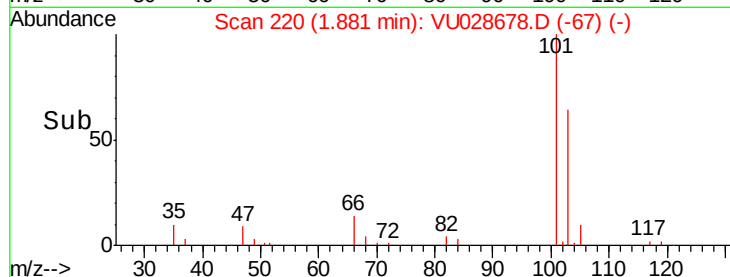
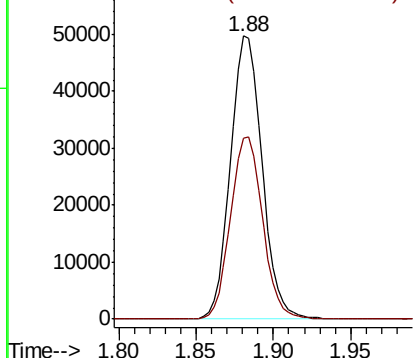
Trichlorofluoromethane
 Concen: 10.763 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 70371
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.4 77.0



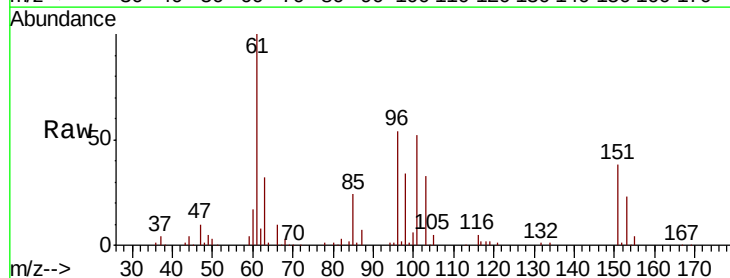
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



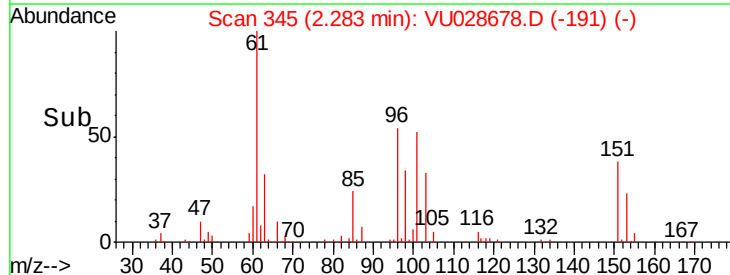
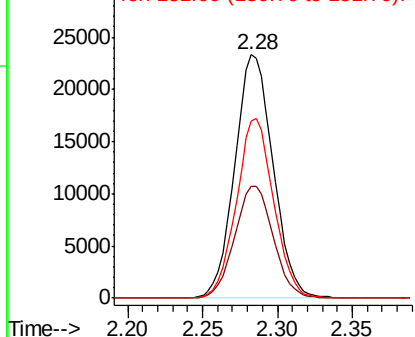
#8

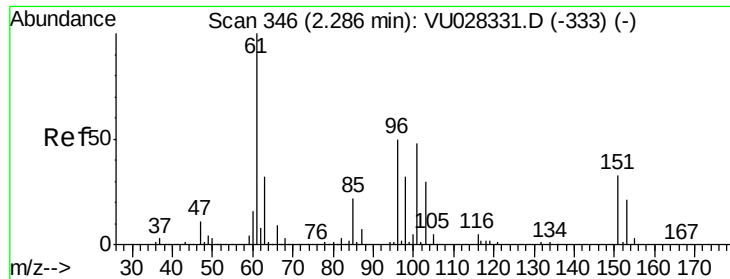
1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 11.038 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion:101 Resp: 41506
 Ion Ratio Lower Upper
 101 100
 85 46.3 36.7 55.1
 151 71.7 55.8 83.6



Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VU
 Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 10.524 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

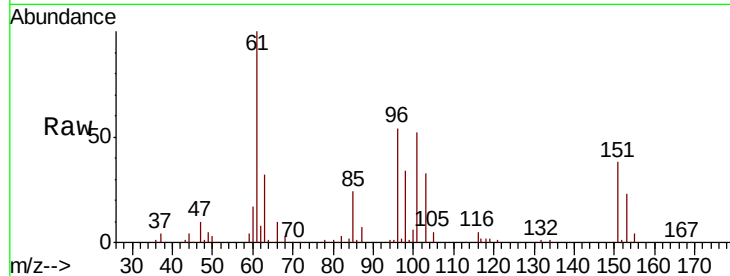
Tot Ion: 96 Resp: 36603

Ion Ratio Lower Upper

96 100

61 184.1 0.0 597.6

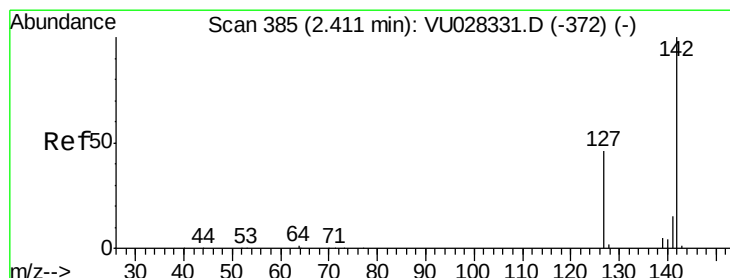
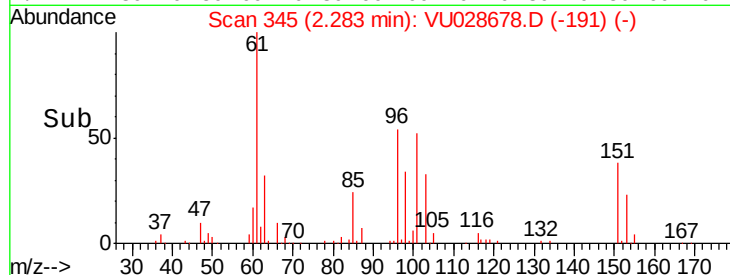
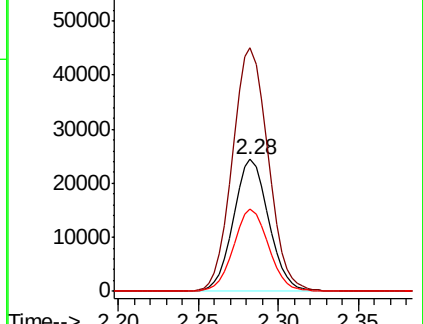
98 61.8 0.0 127.6



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: 17.601 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028678.D

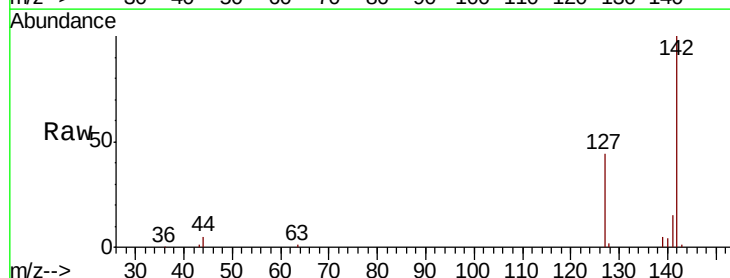
Acq: 13 Dec 2018 15:07

Tgt Ion: 142 Resp: 41404

Ion Ratio Lower Upper

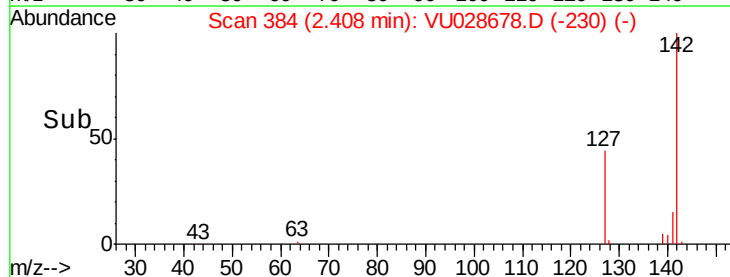
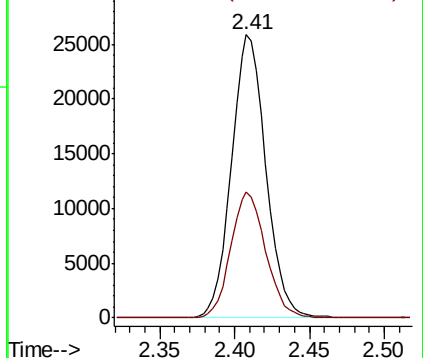
142 100

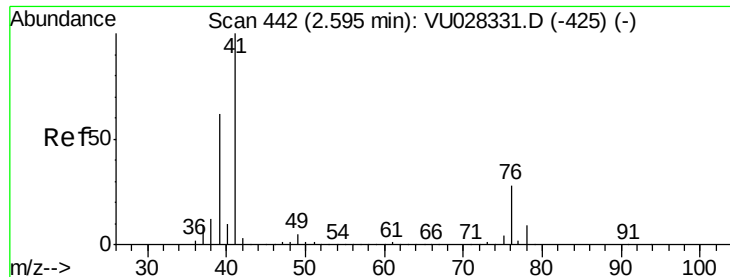
127 45.1 36.4 54.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

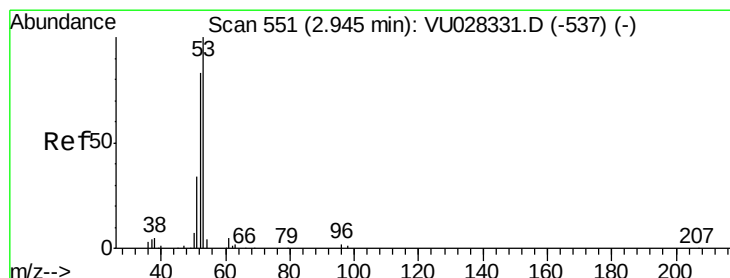
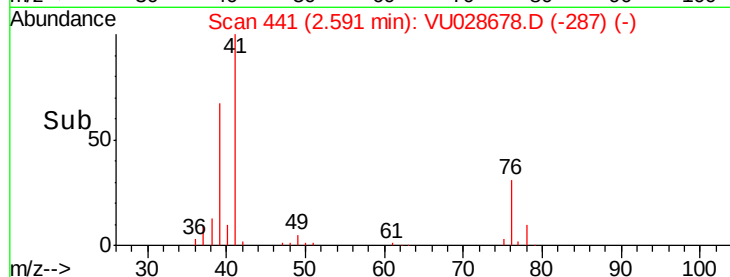
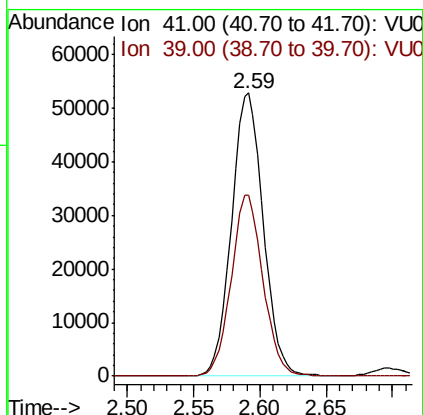
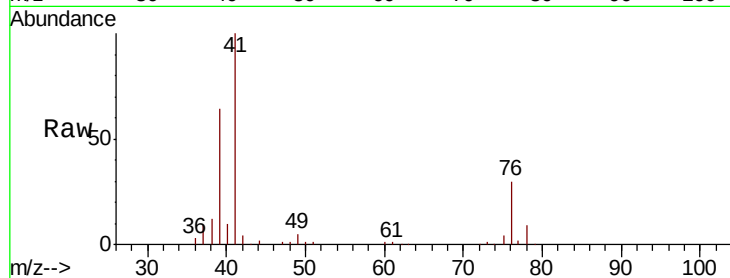




#11
Allvl Chloride
Concen: 10.005 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

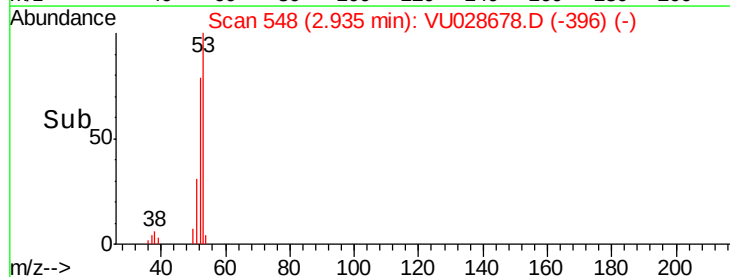
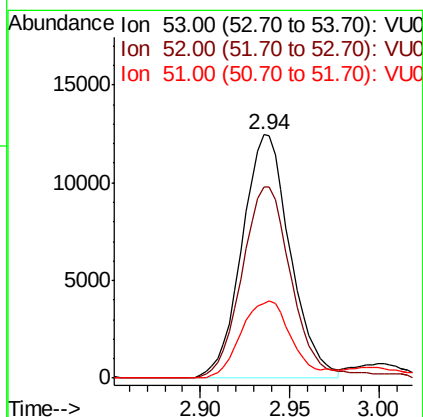
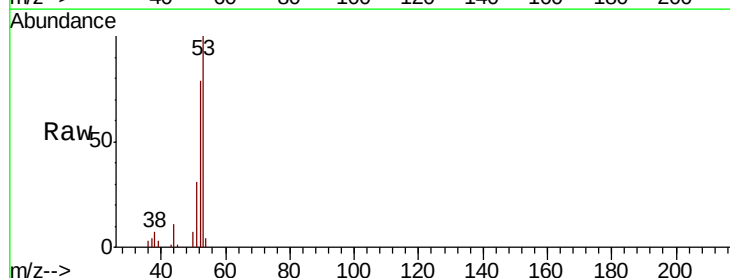
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

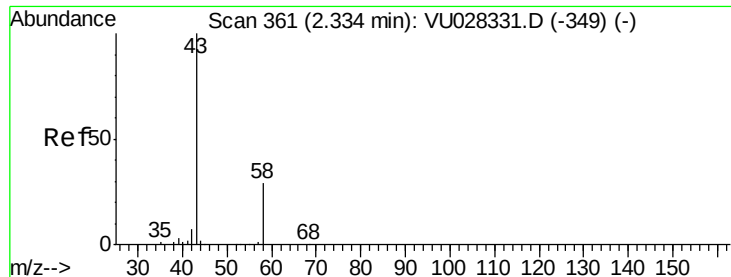
Tot Ion: 41 Resp: 87855
Ion Ratio Lower Upper
41 100
39 64.1 50.8 76.2



#12
Acrylonitrile
Concen: 21.172 ug/l
RT: 2.94 min Scan# 548
Delta R.T. -0.01 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 53 Resp: 23457
Ion Ratio Lower Upper
53 100
52 81.3 69.3 103.9
51 33.6 27.8 41.8





#13

Acetone

Concen: 47.629 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.01 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

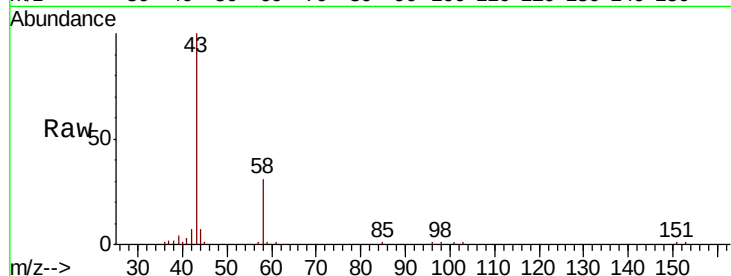
VSTDCCC010EC

Tot Ion: 43 Resp: 48901

Ion Ratio Lower Upper

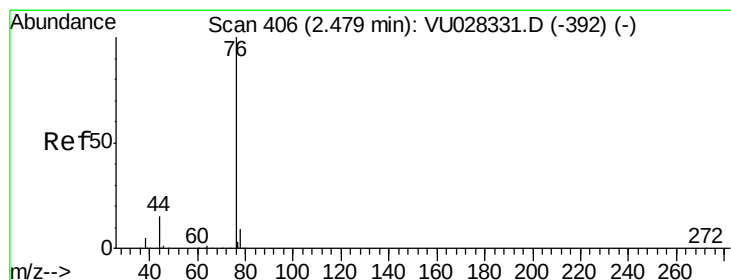
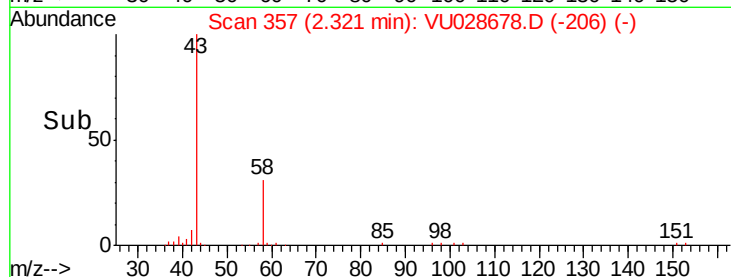
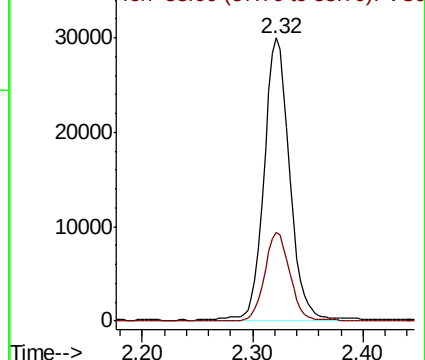
43 100

58 31.3 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 10.052 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028678.D

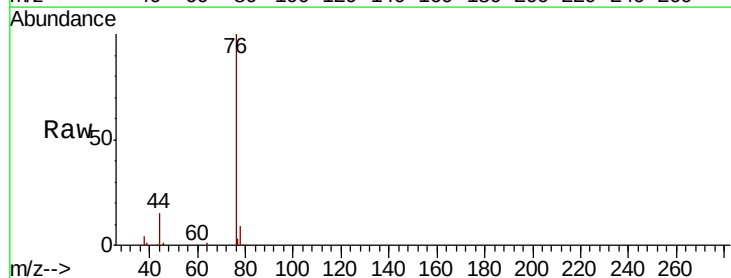
Acq: 13 Dec 2018 15:07

Tgt Ion: 76 Resp: 132804

Ion Ratio Lower Upper

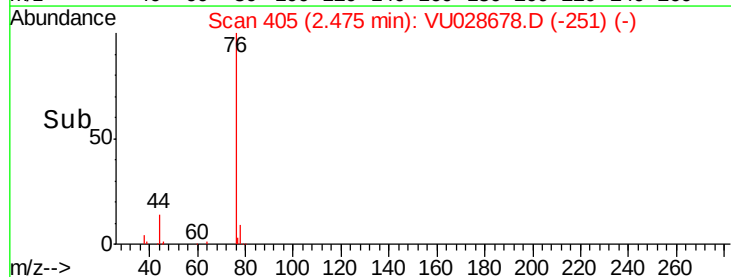
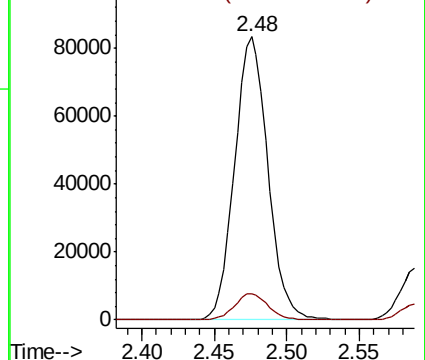
76 100

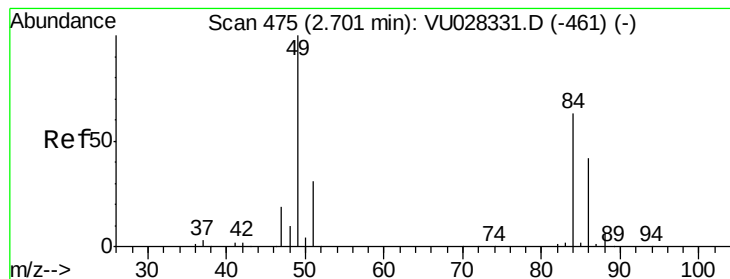
78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methylene Chloride

Concen: 10.393 ug/l

RT: 2.70 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 84 Resp: 44081

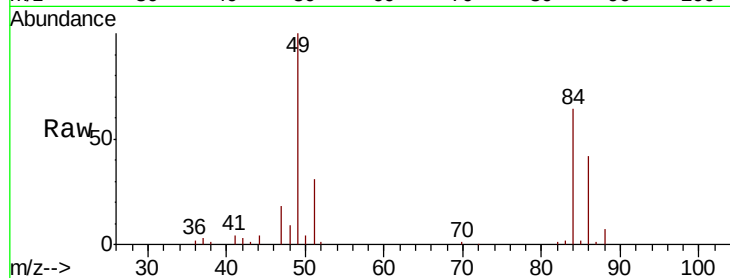
Ion Ratio Lower Upper

84 100

49 155.7 127.7 191.5

51 48.0 0.0 98.2

86 64.7 53.1 79.7

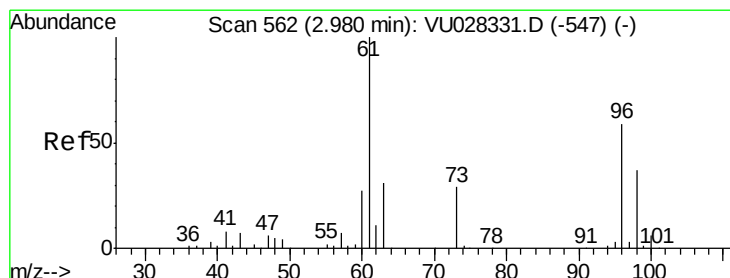
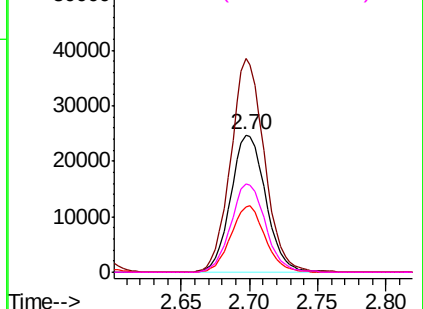
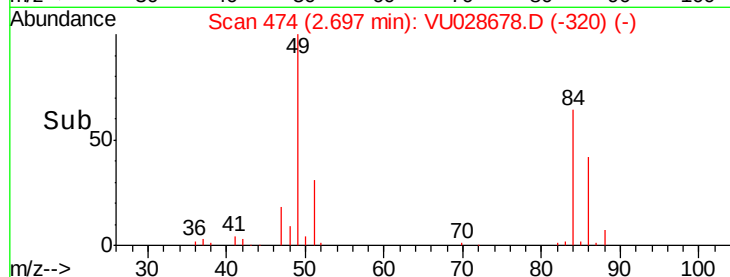


Abundance Ion 84.00 (83.70 to 84.70): VU0

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: 10.364 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

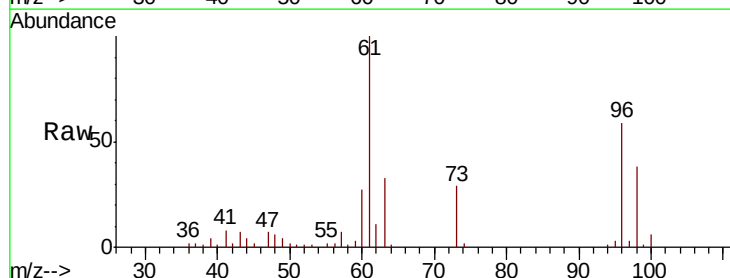
Tgt Ion: 96 Resp: 40344

Ion Ratio Lower Upper

96 100

61 168.3 136.4 204.6

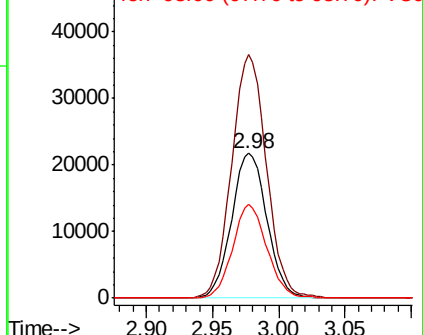
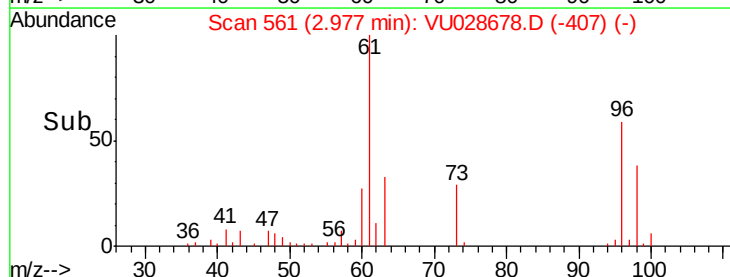
98 64.7 49.8 74.8

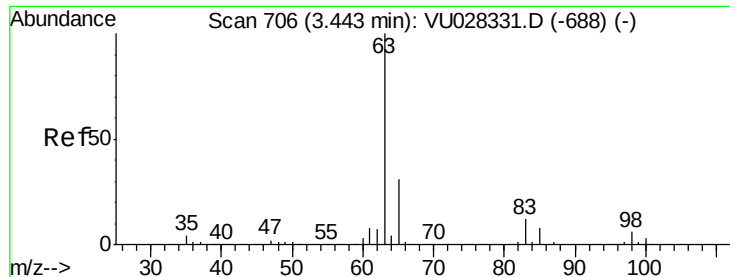


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

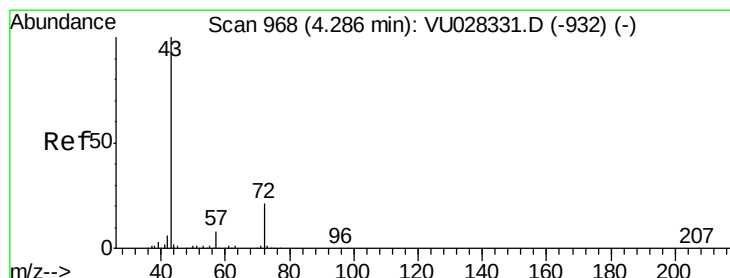
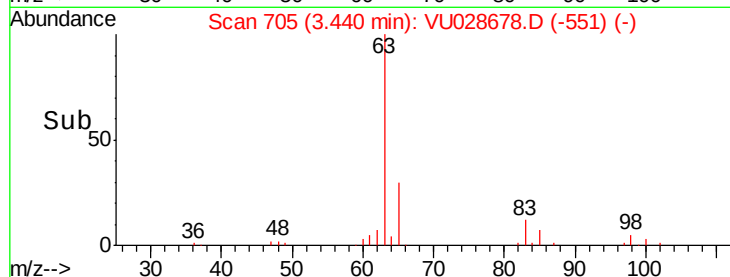
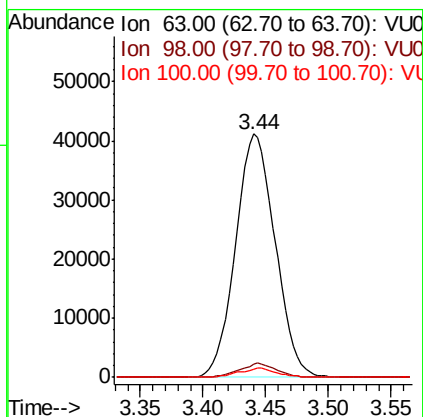
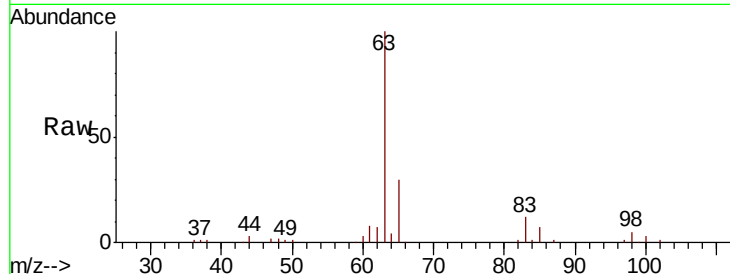




#17
 1,1-Dichloroethane
 Concen: 10.411 ug/l
 RT: 3.44 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

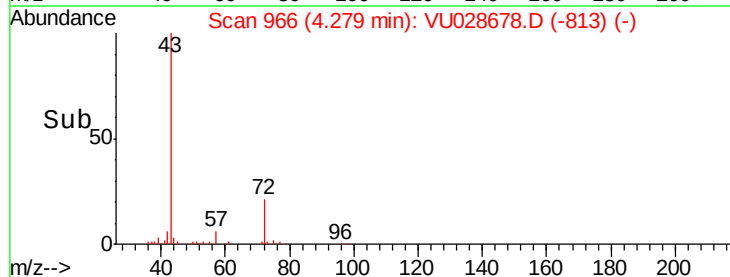
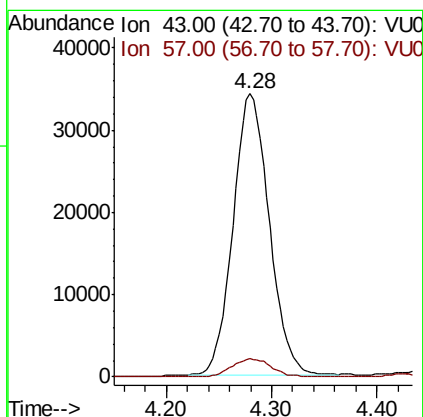
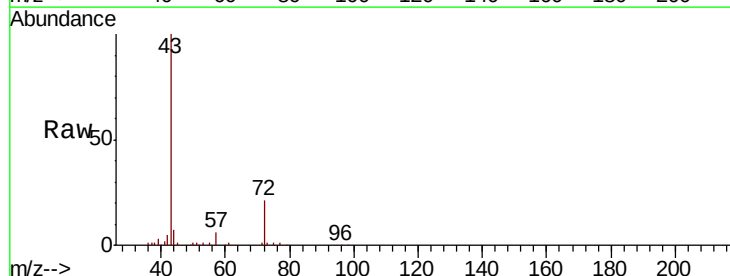
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

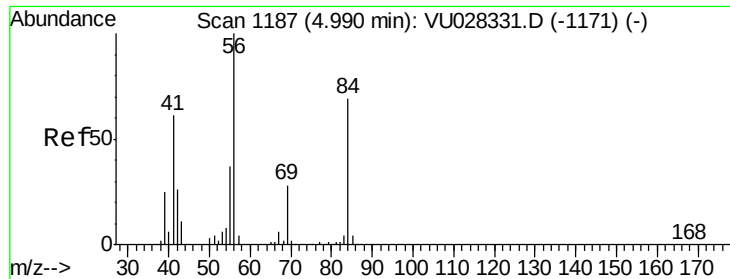
Tot Ion: 63 Resp: 90344
 Ion Ratio Lower Upper
 63 100
 98 5.3 3.0 9.0
 100 3.4 1.8 5.3



#18
 2-Butanone
 Concen: 52.814 ug/l
 RT: 4.28 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion: 43 Resp: 81027
 Ion Ratio Lower Upper
 43 100
 57 6.4 0.0 15.0





#19

Cyclohexane

Concen: 10.065 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

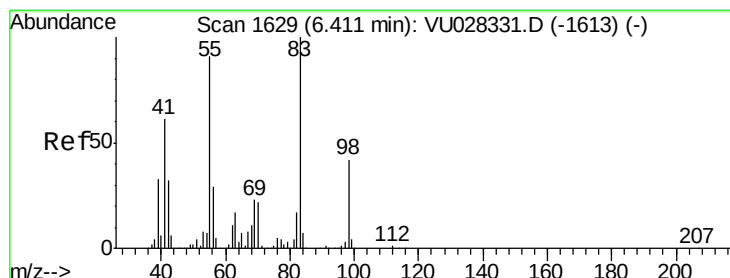
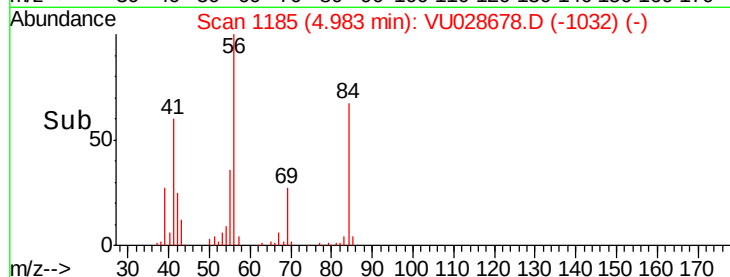
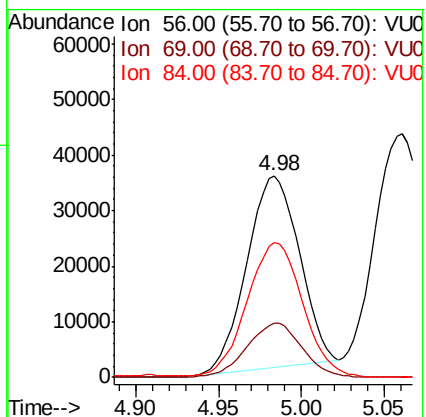
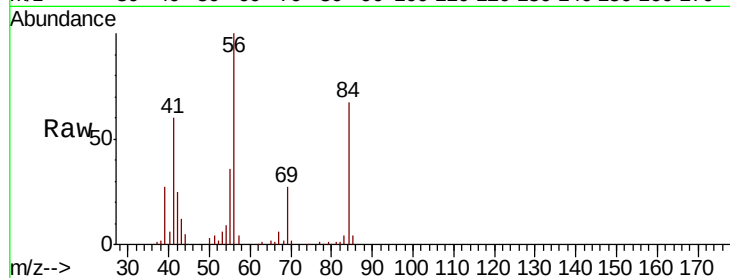
Tot Ion: 56 Resp: 75826

Ion Ratio Lower Upper

56 100

69 29.9 25.0 37.6

84 73.9 62.6 94.0



#20

Methylcyclohexane

Concen: 9.510 ug/l

RT: 6.40 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

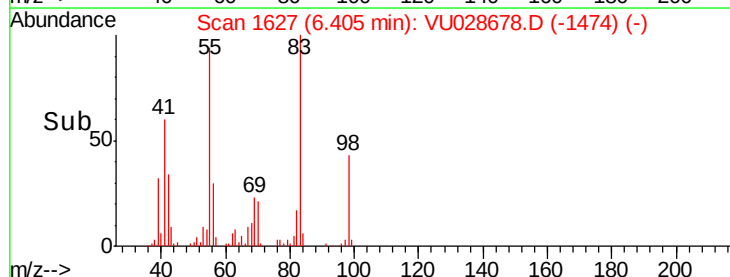
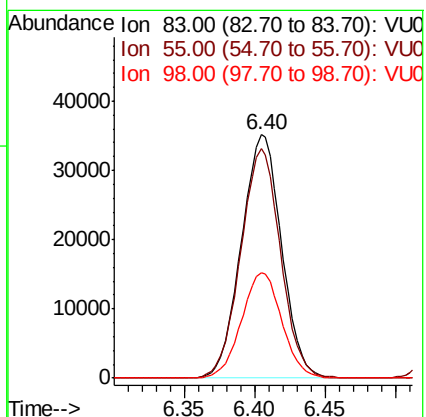
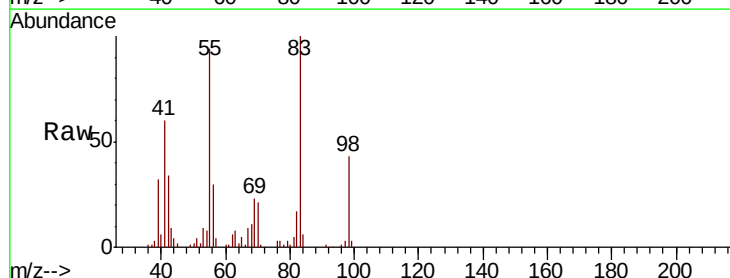
Tgt Ion: 83 Resp: 70130

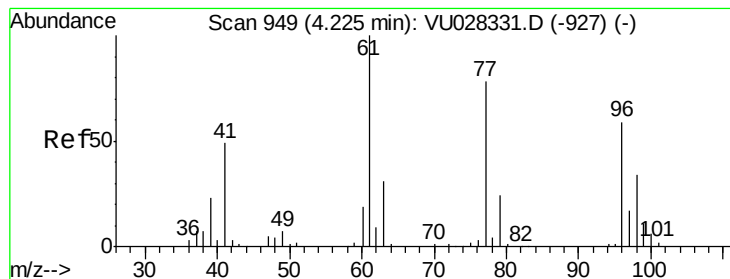
Ion Ratio Lower Upper

83 100

55 93.6 72.6 108.8

98 43.4 33.8 50.8





#21

2,2-Dichloropropane

Concen: 10.211 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

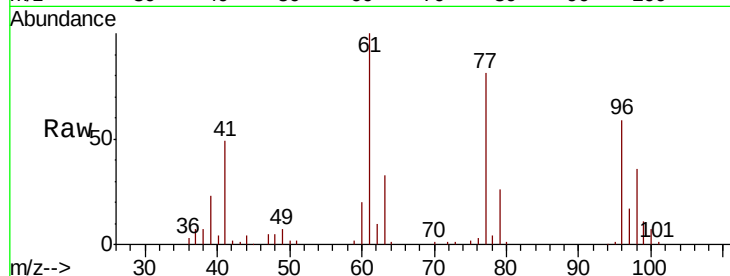
VSTDCCC010EC

Tot Ion: 77 Resp: 71114

Ion Ratio Lower Upper

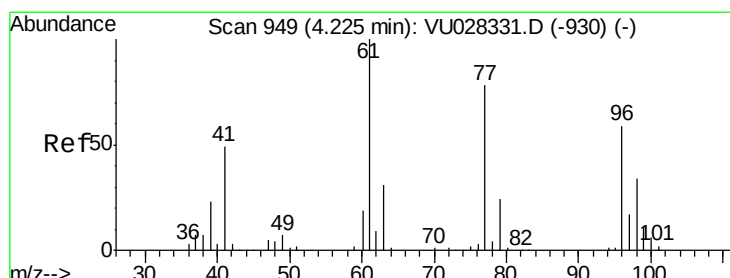
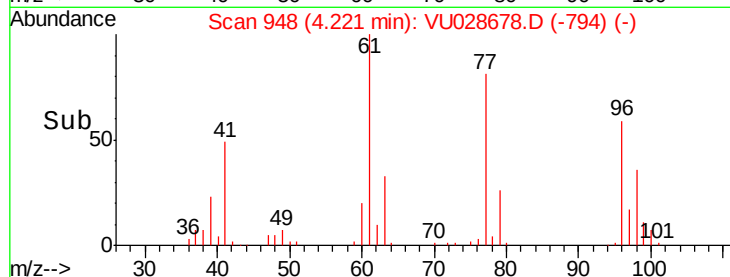
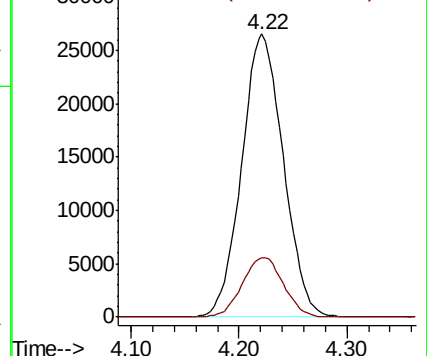
77 100

97 20.8 17.4 26.2



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 9.967 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

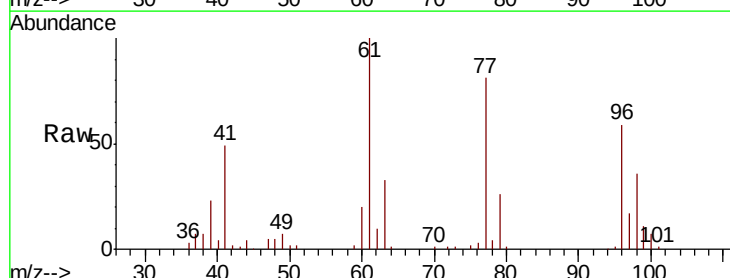
Tgt Ion: 96 Resp: 45401

Ion Ratio Lower Upper

96 100

61 175.5 0.0 423.0

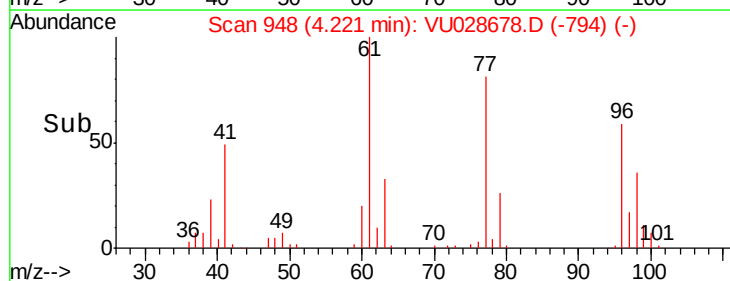
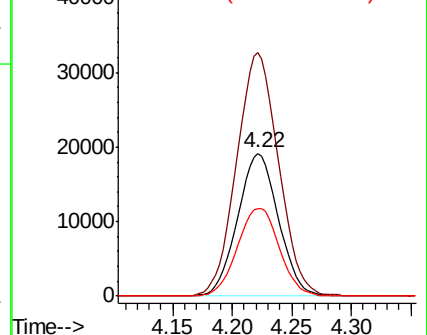
98 63.3 30.3 91.0

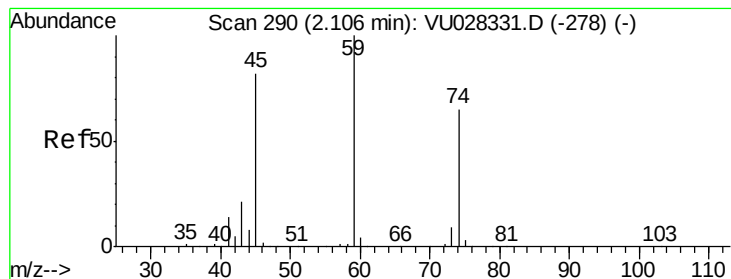


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#23

Diethyl Ether

Concen: 10.539 ug/l

RT: 2.10 min Scan# 289

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

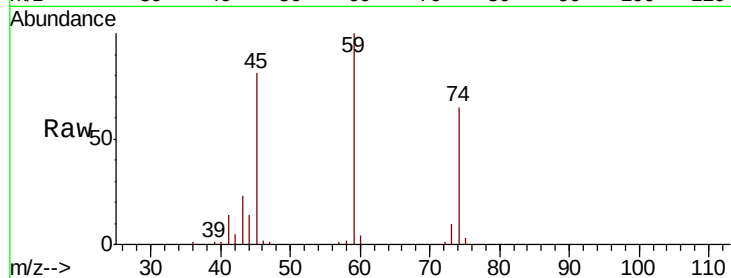
Tot Ion: 59 Resp: 36746

Ion Ratio Lower Upper

59 100

45 79.9 66.4 99.6

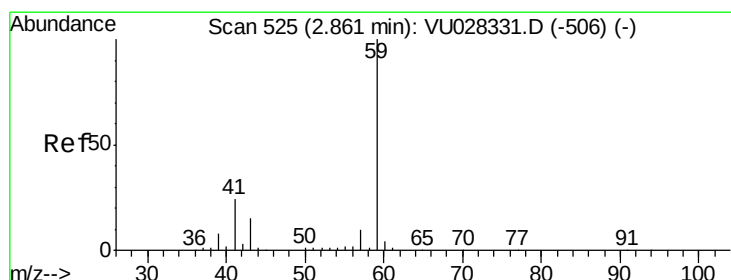
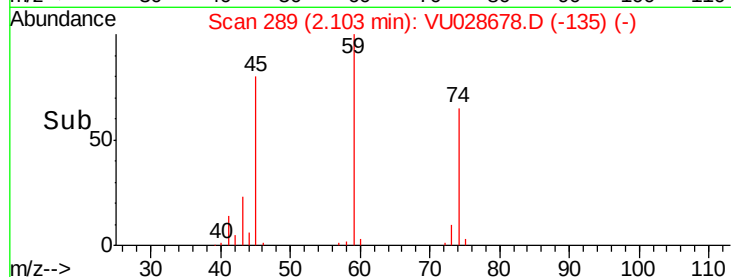
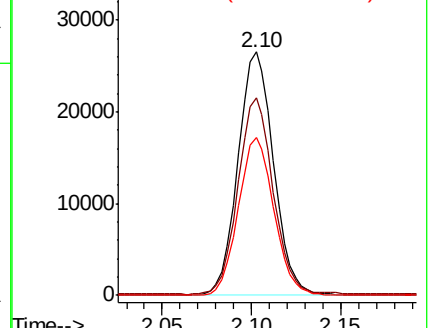
74 64.6 52.2 78.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#24

tert-Butyl Alcohol

Concen: 104.136 ug/l

RT: 2.84 min Scan# 517

Delta R.T. -0.03 min

Lab File: VU028678.D

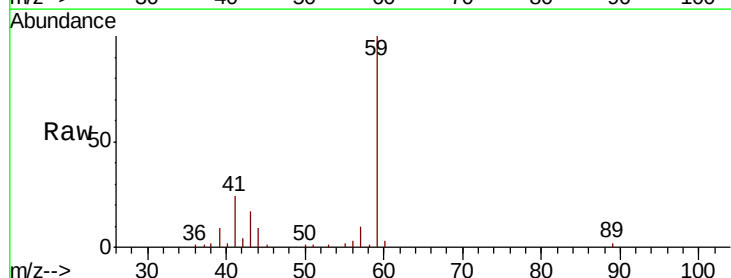
Acq: 13 Dec 2018 15:07

Tgt Ion: 59 Resp: 36445

Ion Ratio Lower Upper

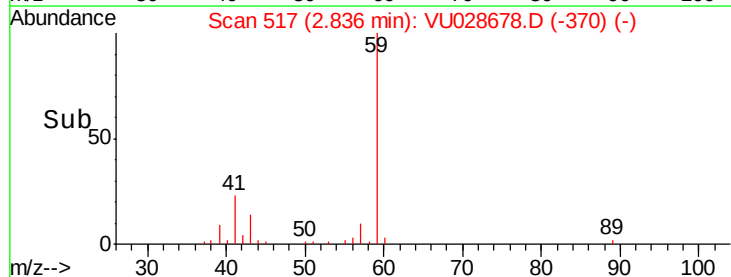
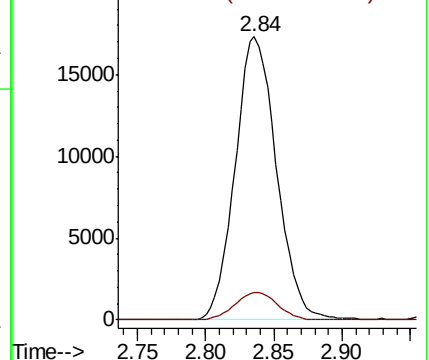
59 100

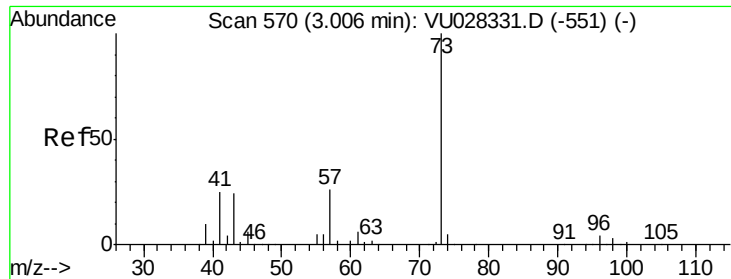
57 10.0 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#25

Methyl tert-Butyl Ether

Concen: 10.468 ug/l

RT: 3.00 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

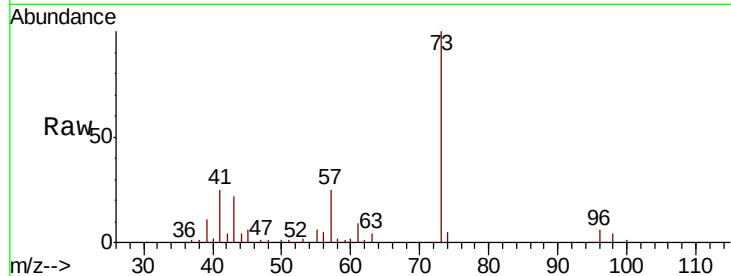
VSTDCCC010EC

Tot Ion: 73 Resp: 108148

Ion Ratio Lower Upper

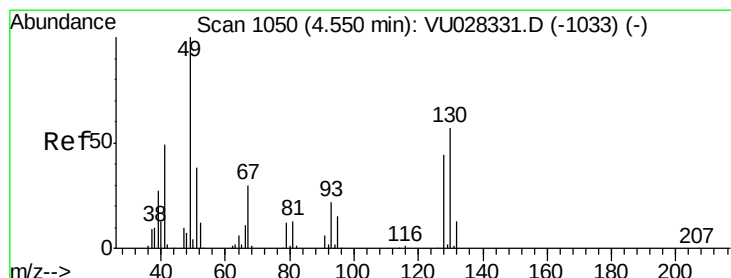
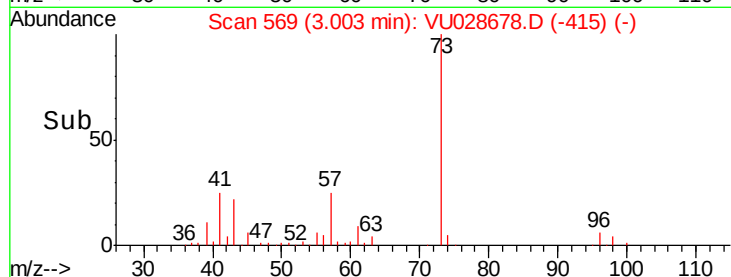
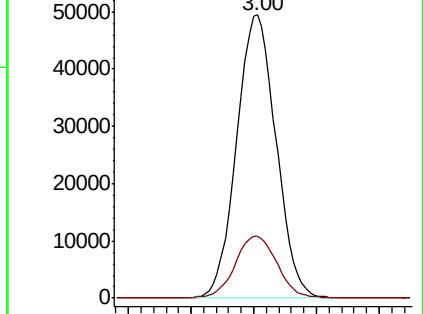
73 100

43 22.6 18.5 27.7



Abundance Ion 73.00 (72.70 to 73.70): VU028331.D (-551) (-)

Ion 43.00 (42.70 to 43.70): VU028331.D (-551) (-)



#26

Bromochloromethane

Concen: 10.056 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

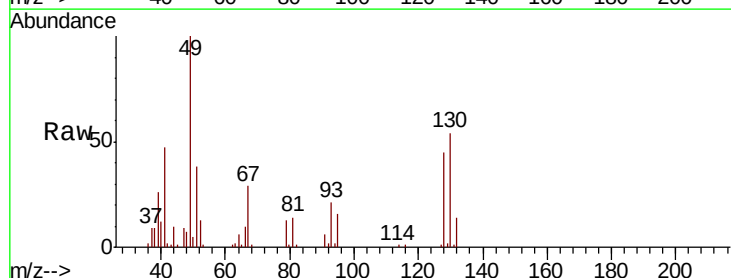
Tgt Ion: 128 Resp: 17462

Ion Ratio Lower Upper

128 100

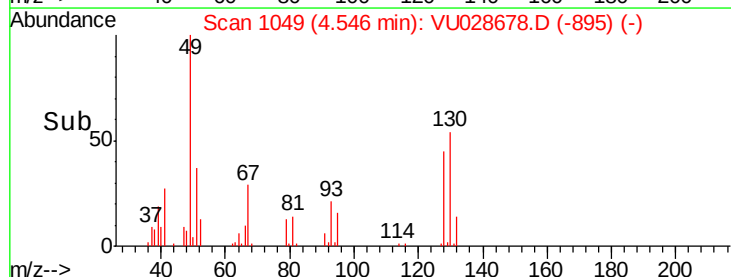
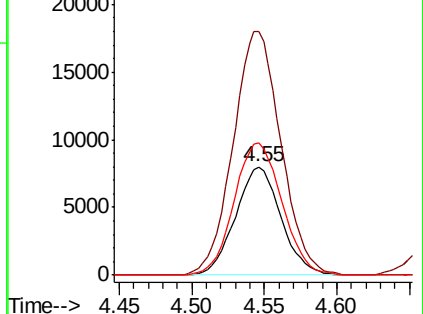
49 235.7 0.0 457.6

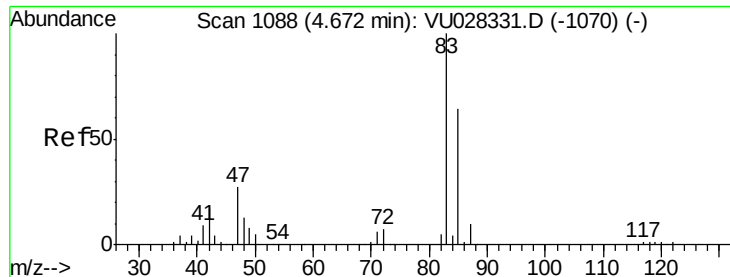
130 128.1 101.4 152.2



Abundance Ion 128.00 (127.70 to 128.70): VU028331.D (-1033) (-)

Ion 49.00 (48.70 to 49.70): VU028331.D (-1033) (-)

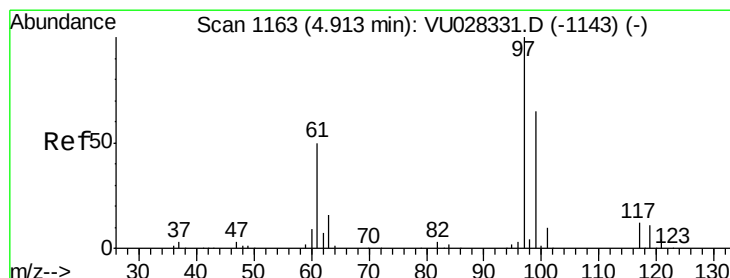
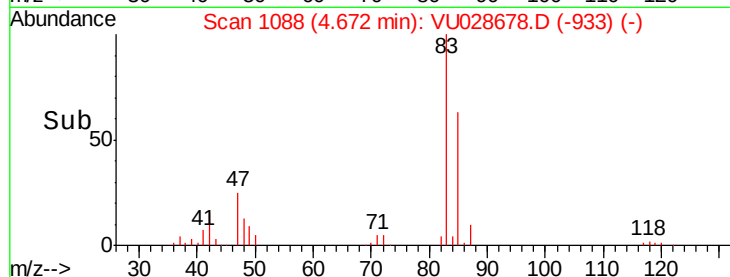
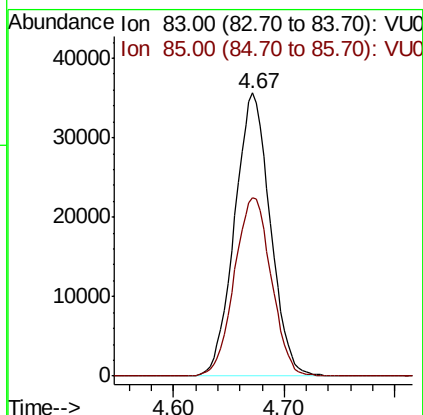
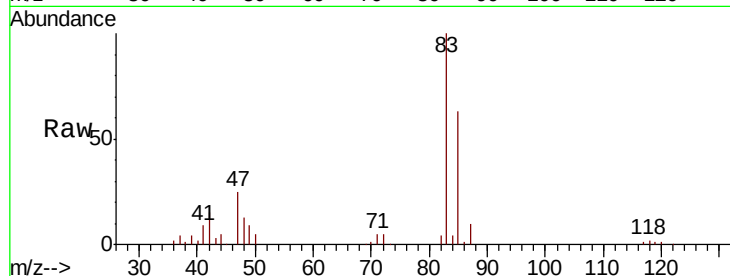




#27
Chloroform
Concen: 9.511 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

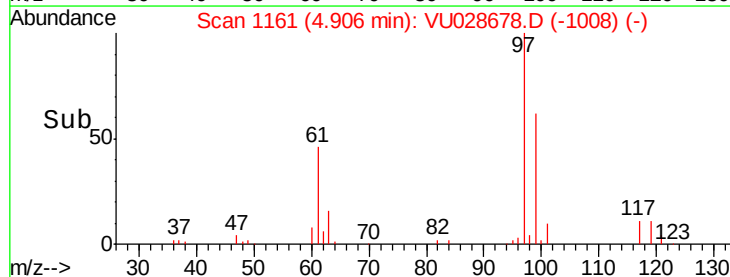
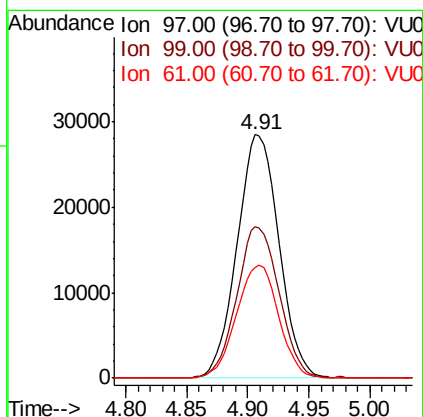
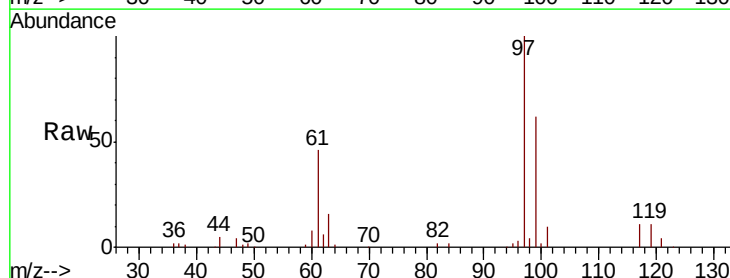
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

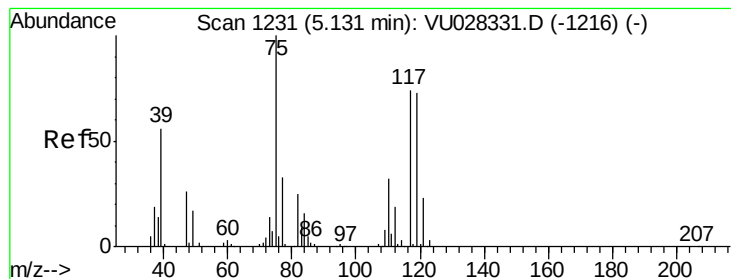
Tot Ion: 83 Resp: 79590
Ion Ratio Lower Upper
83 100
85 63.2 0.0 128.0



#28
1,1,1-Trichloroethane
Concen: 10.363 ug/l
RT: 4.91 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 97 Resp: 67726
Ion Ratio Lower Upper
97 100
99 62.6 32.2 96.6
61 46.5 24.9 74.7





#29

1,1-Dichloropropene

Concen: 9.741 ug/l

RT: 5.13 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

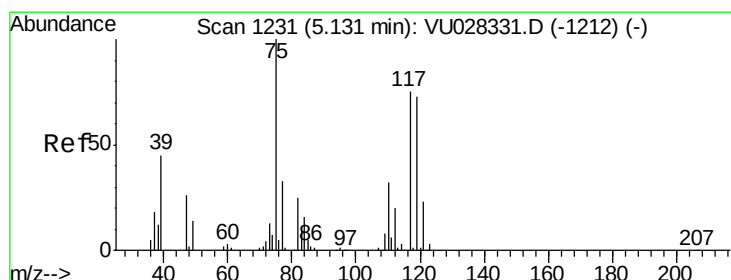
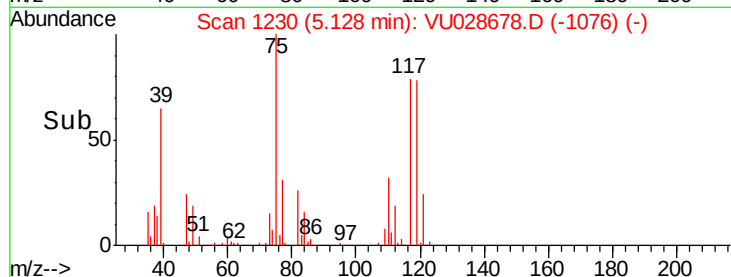
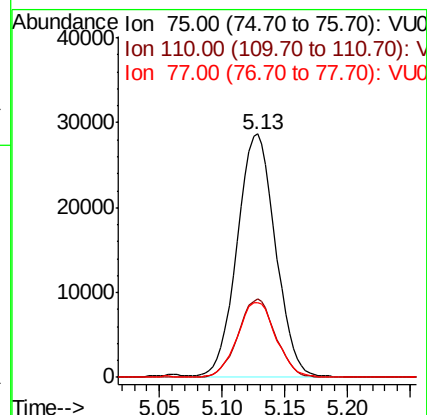
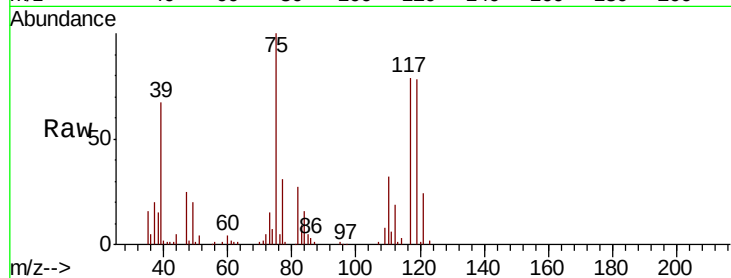
Tot Ion: 75 Resp: 61070

Ion Ratio Lower Upper

75 100

110 31.2 15.8 47.3

77 31.0 25.4 38.0



#30

Carbon Tetrachloride

Concen: 9.970 ug/l

RT: 5.12 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

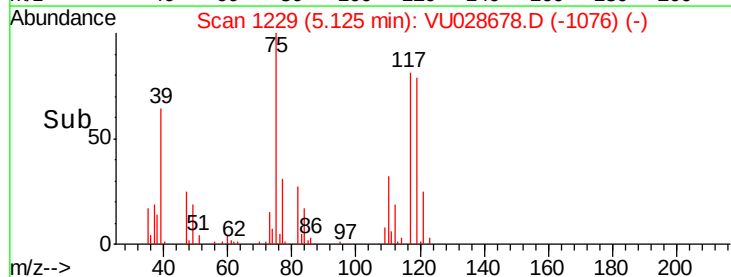
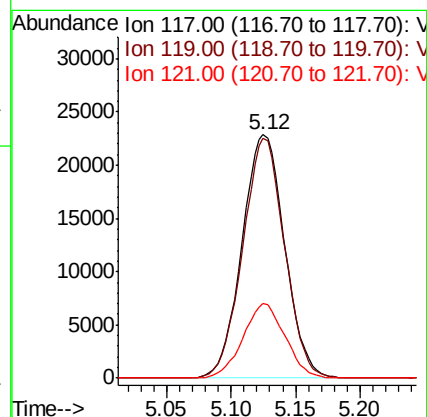
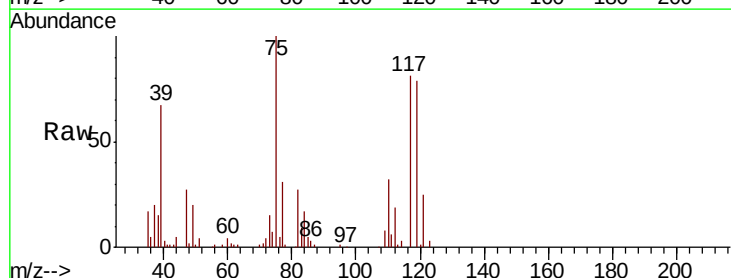
Tgt Ion: 117 Resp: 52617

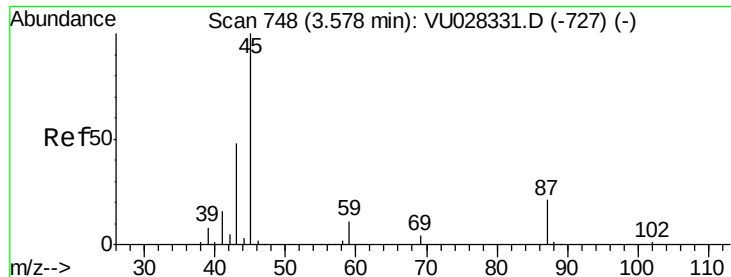
Ion Ratio Lower Upper

117 100

119 98.6 78.2 117.4

121 30.5 24.7 37.1





#31

Isopropyl Ether

Concen: 10.373 ug/l

RT: 3.58 min Scan# 748

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

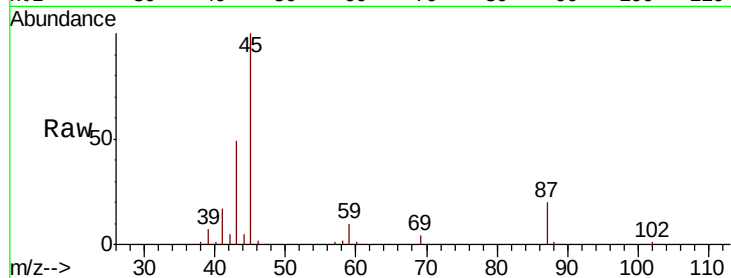
VSTDCCC010EC

Tot Ion: 45 Resp: 161191

Ion Ratio Lower Upper

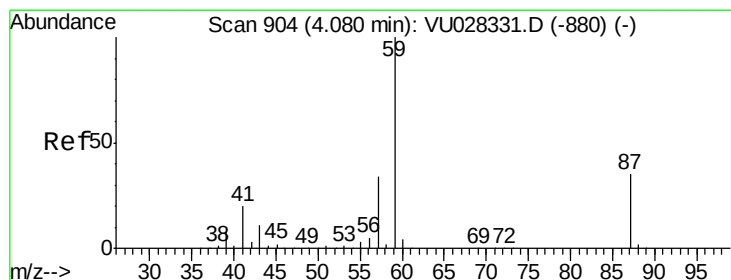
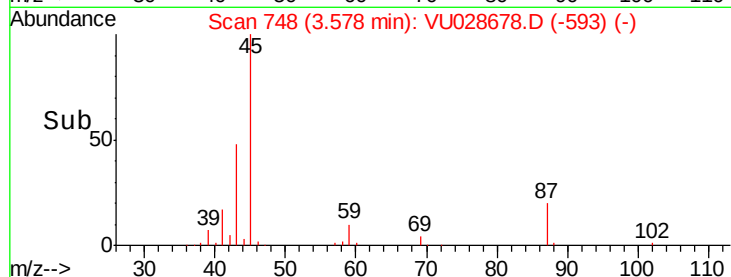
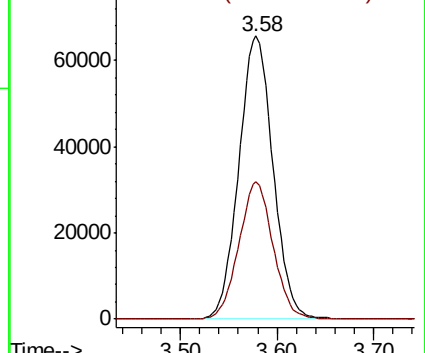
45 100

43 48.7 24.2 72.6



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 10.208 ug/l

RT: 4.08 min Scan# 903

Delta R.T. -0.00 min

Lab File: VU028678.D

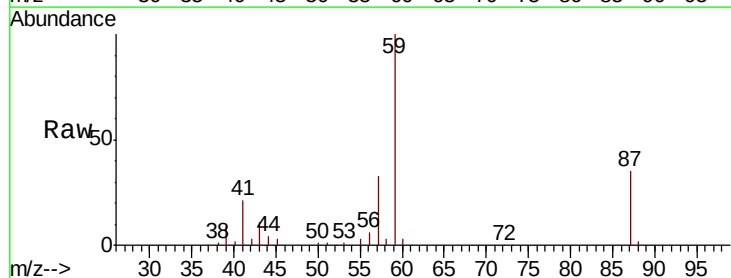
Acq: 13 Dec 2018 15:07

Tgt Ion: 59 Resp: 130650

Ion Ratio Lower Upper

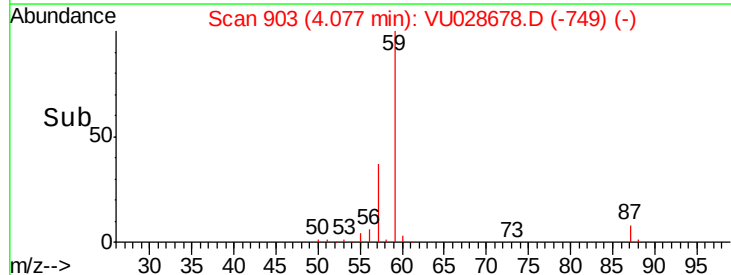
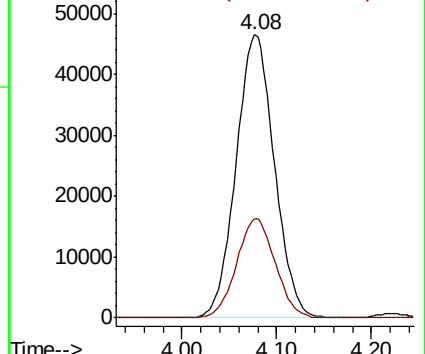
59 100

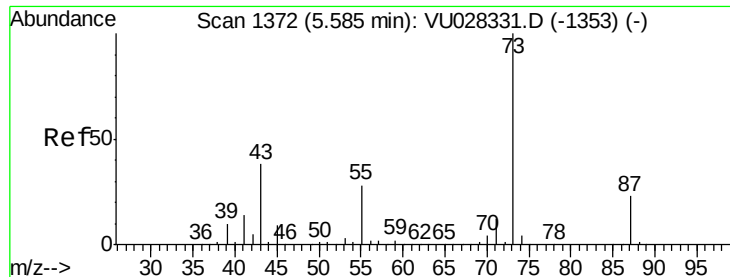
87 35.3 28.2 42.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

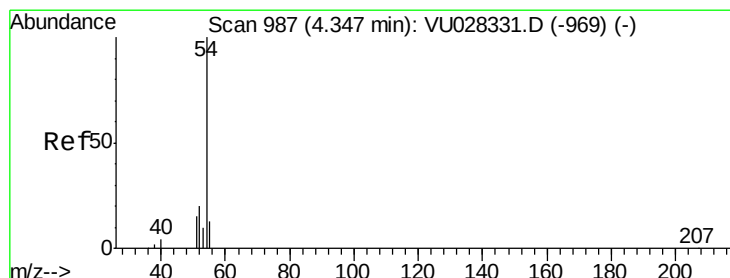
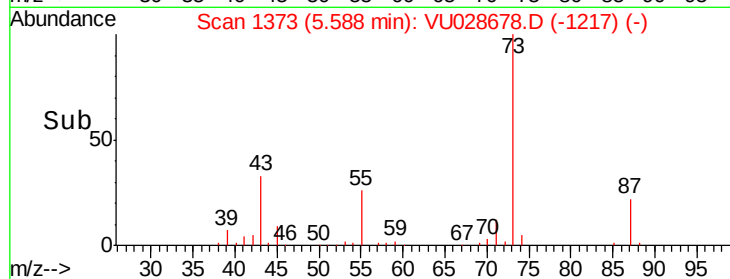
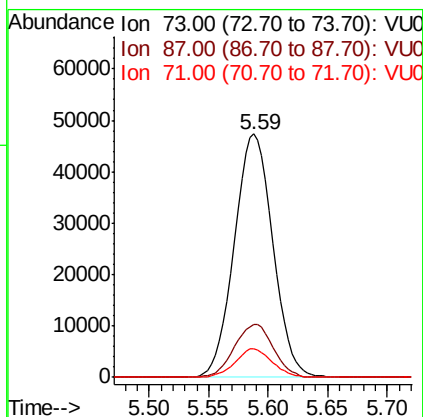
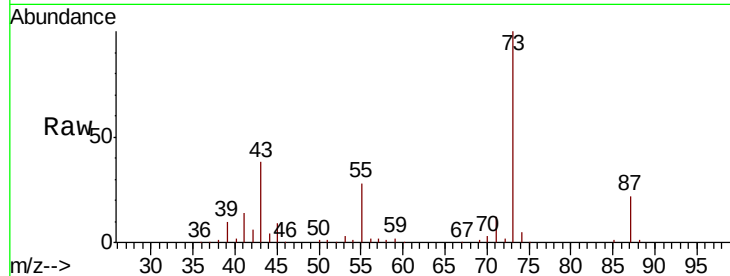




#33
Tert-Butyl methyl ether
Concen: 10.009 ug/l
RT: 5.59 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

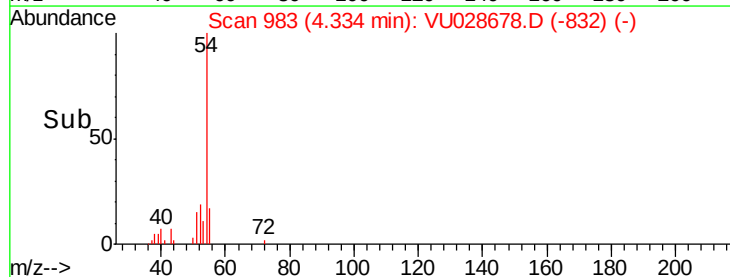
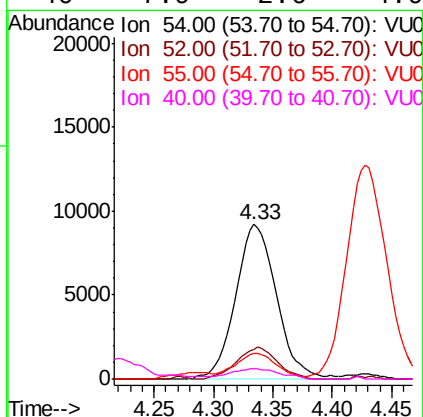
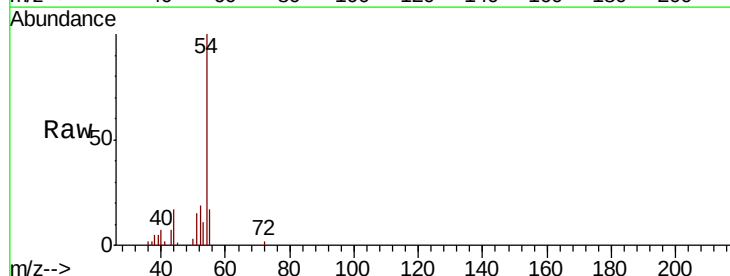
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

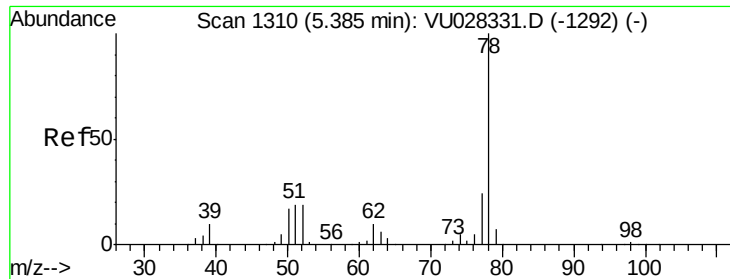
Tot Ion: 73 Resp: 106269
Ion Ratio Lower Upper
73 100
87 22.0 17.6 26.4
71 11.3 9.2 13.8



#34
Propionitrile
Concen: 56.826 ug/l
RT: 4.33 min Scan# 983
Delta R.T. -0.01 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 54 Resp: 21901
Ion Ratio Lower Upper
54 100
52 20.4 16.6 25.0
55 15.8 12.9 19.3
40 7.9 2.6 4.0#





#35

Benzene

Concen: 9.623 ug/l

RT: 5.38 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

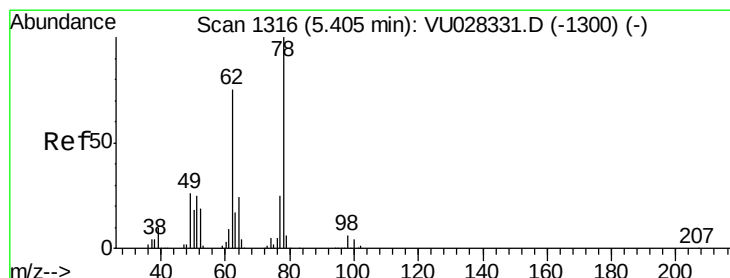
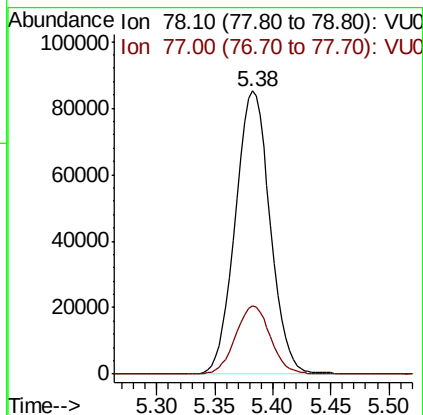
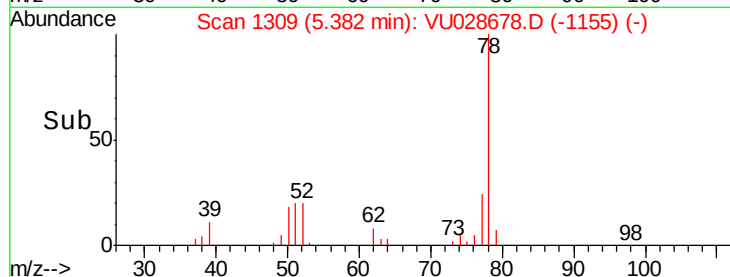
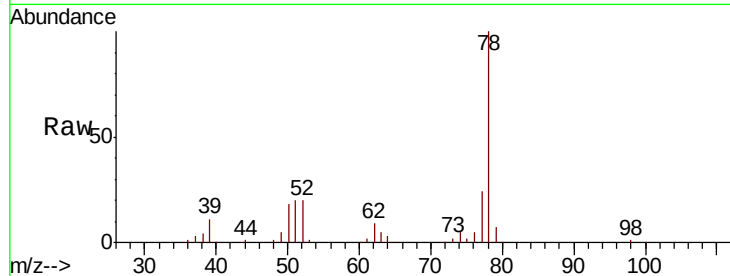
VSTDCCC010EC

Tot Ion: 78 Resp: 177598

Ion Ratio Lower Upper

78 100

77 24.2 19.5 29.3



#36

1,2-Dichloroethane

Concen: 10.062 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU028678.D

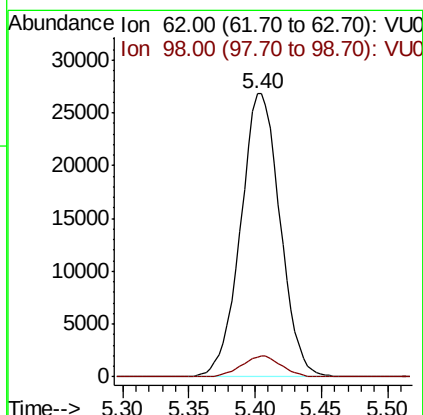
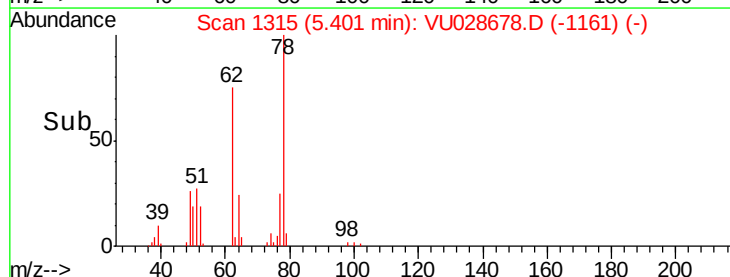
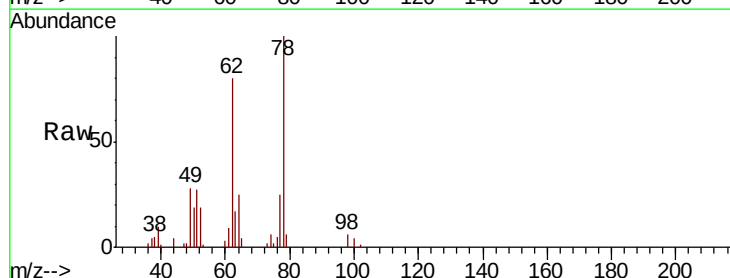
Acq: 13 Dec 2018 15:07

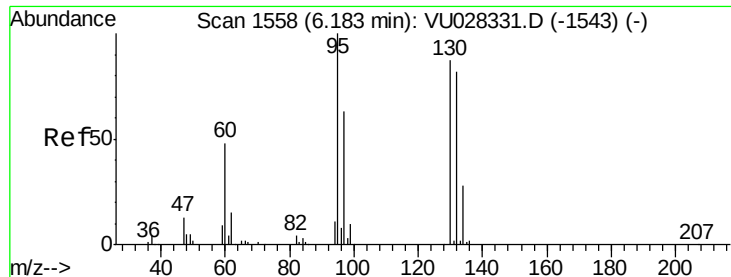
Tgt Ion: 62 Resp: 55541

Ion Ratio Lower Upper

62 100

98 7.2 6.0 9.0





#37

Trichloroethene

Concen: 9.779 ug/l

RT: 6.18 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

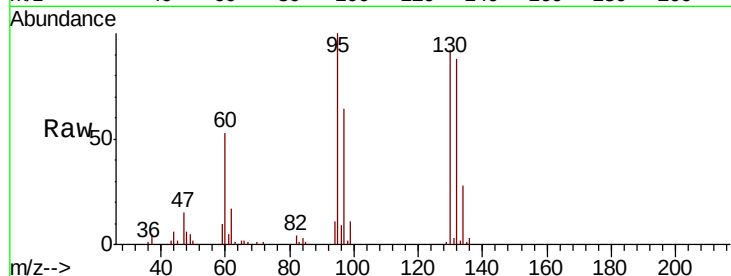
VSTDCCC010EC

Tot Ion:130 Resp: 39313

Ion Ratio Lower Upper

130 100

95 108.7 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) (-)

6.18

25000

20000

15000

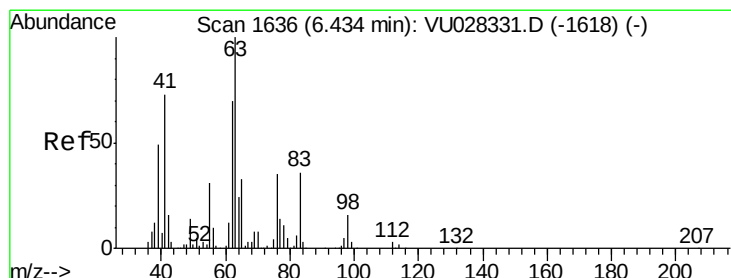
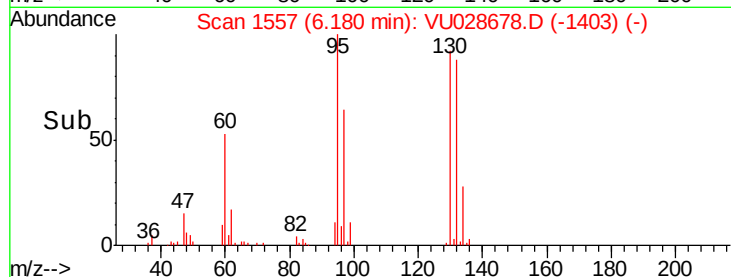
10000

5000

0

6.10 6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 9.860 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028678.D

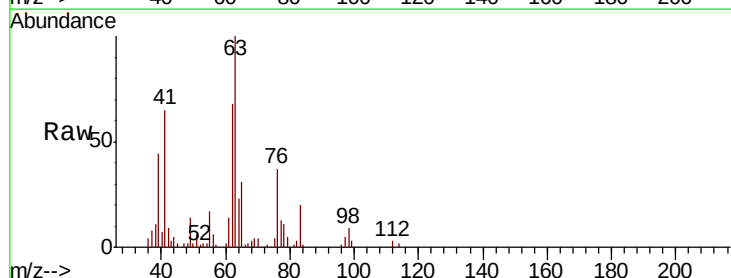
Acq: 13 Dec 2018 15:07

Tgt Ion: 63 Resp: 51900

Ion Ratio Lower Upper

63 100

65 31.2 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) (-)

6.43

30000

25000

20000

15000

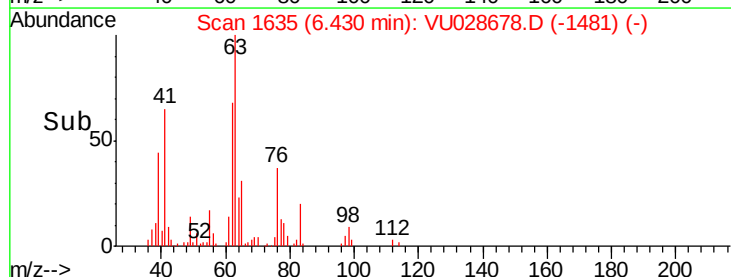
10000

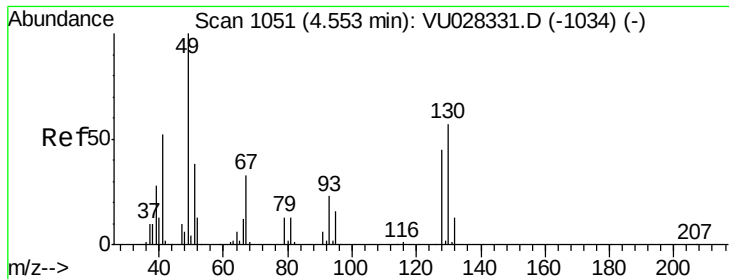
5000

0

6.35 6.40 6.45 6.50

Time-->

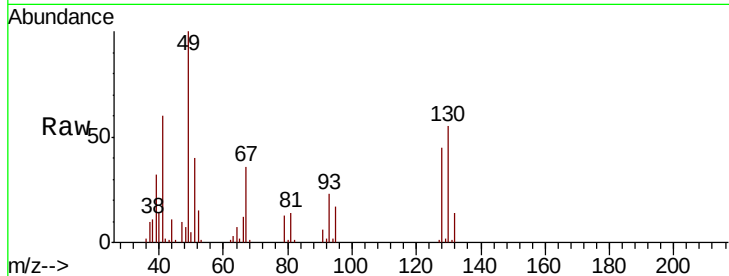




#39
Methacrylonitrile
Concen: 10.378 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	41	Resp:	21425
Ion	Ratio	Lower	Upper
41	100		
67	61.2	48.2	72.4
39	55.1	42.9	64.3
52	26.1	21.4	32.0



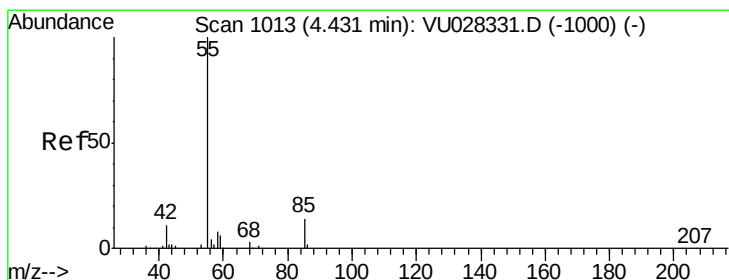
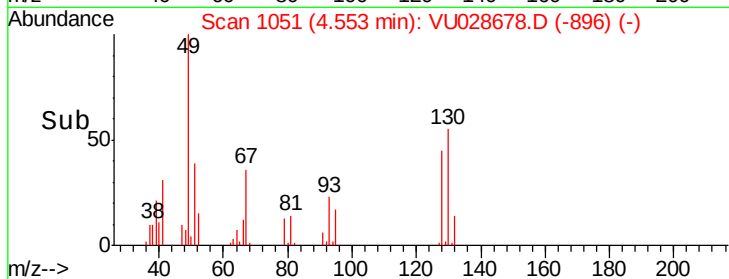
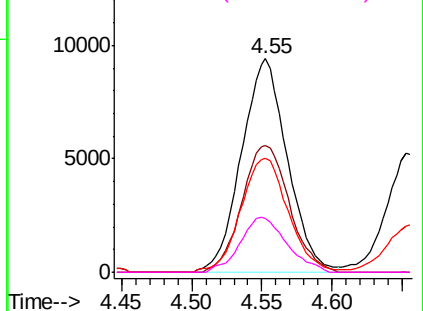
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

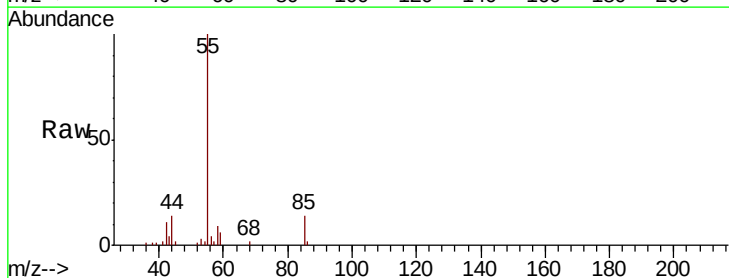
Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40
Methyl acrylate
Concen: 10.294 ug/l
RT: 4.43 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion:	55	Resp:	29237
Ion	Ratio	Lower	Upper
55	100		
85	13.8	10.9	16.3
58	8.3	6.4	9.6
42	10.9	7.5	11.3



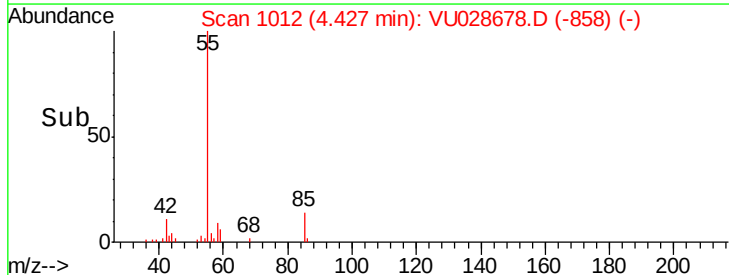
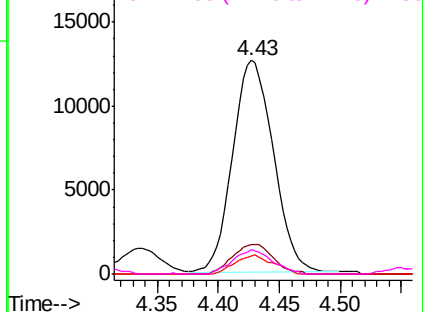
Abundance

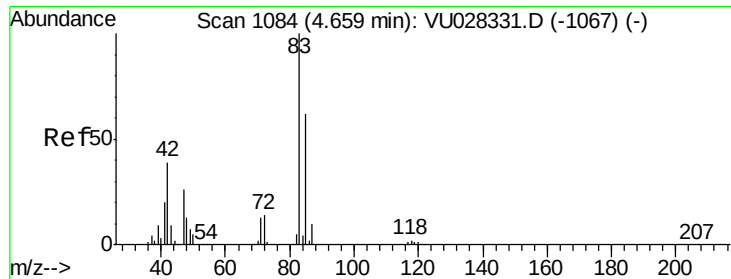
Ion 55.00 (54.70 to 55.70): VU0

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: 20.885 ug/l

RT: 4.66 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

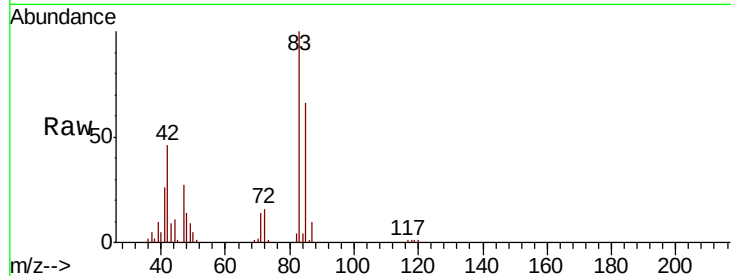
Tot Ion: 42 Resp: 21672

Ion Ratio Lower Upper

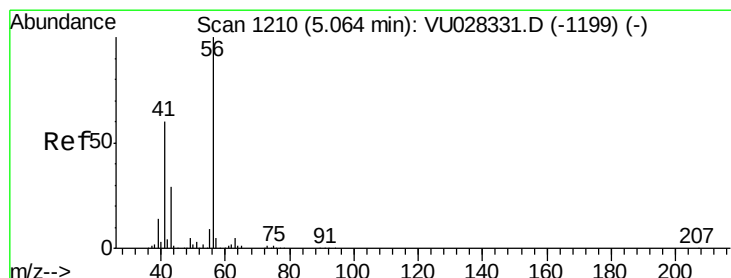
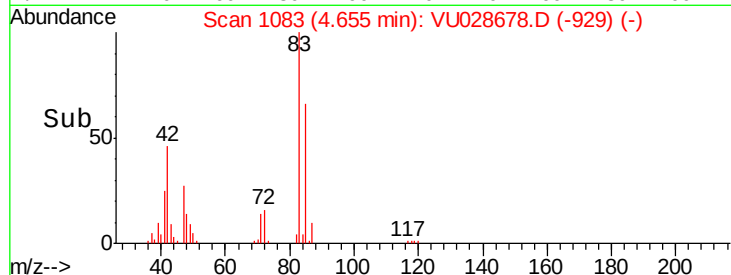
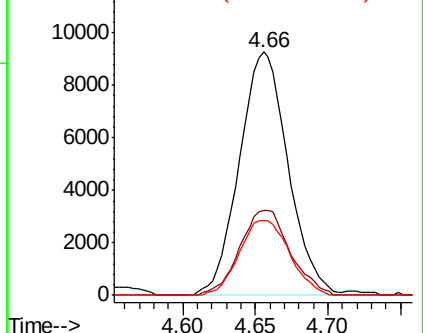
42 100

72 36.1 29.8 44.6

71 31.8 25.9 38.9



Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 9.663 ug/l

RT: 5.06 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VU028678.D

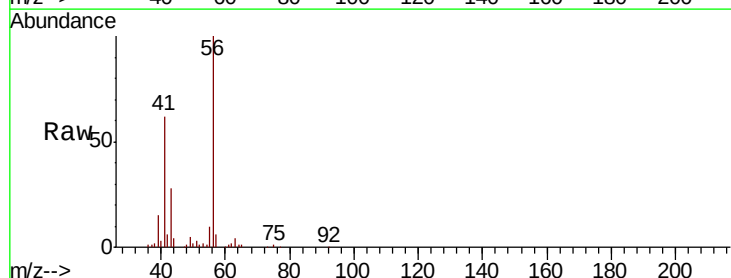
Acq: 13 Dec 2018 15:07

Tgt Ion: 56 Resp: 96298

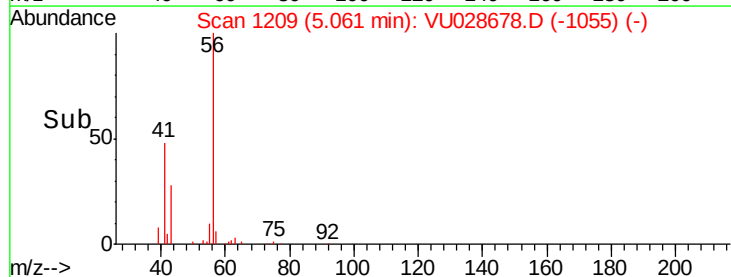
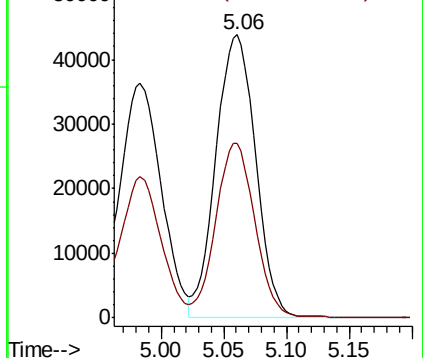
Ion Ratio Lower Upper

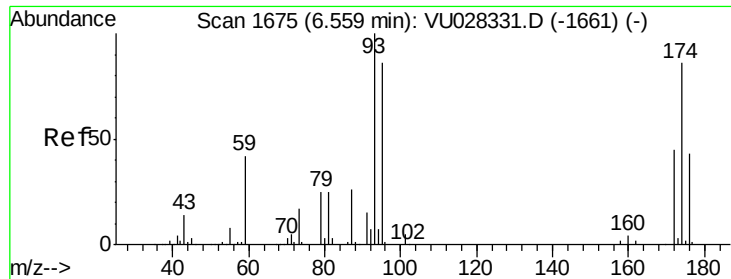
56 100

41 60.4 29.8 89.3



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 9.906 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

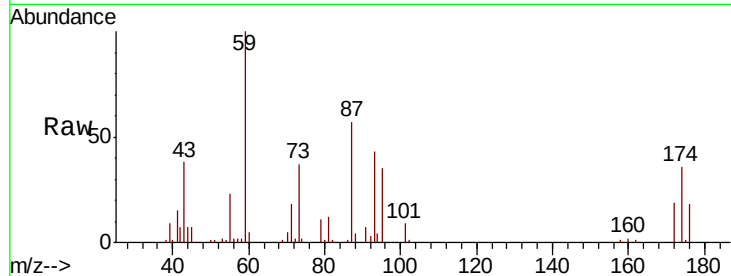
Tot Ion: 93 Resp: 22195

Ion Ratio Lower Upper

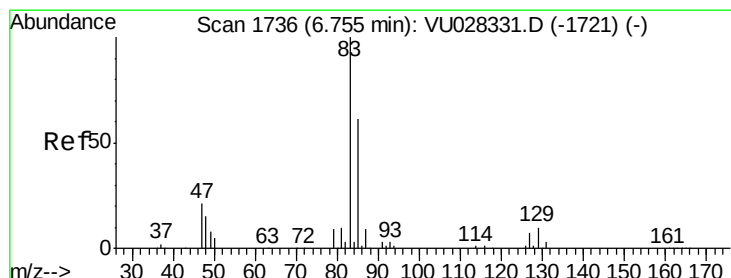
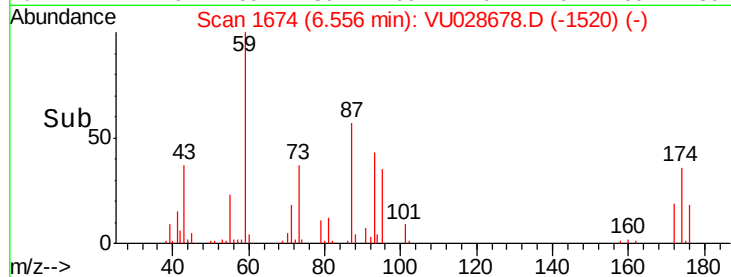
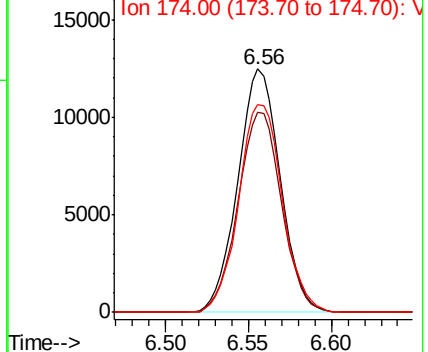
93 100

95 84.1 66.6 99.8

174 87.9 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: 9.662 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

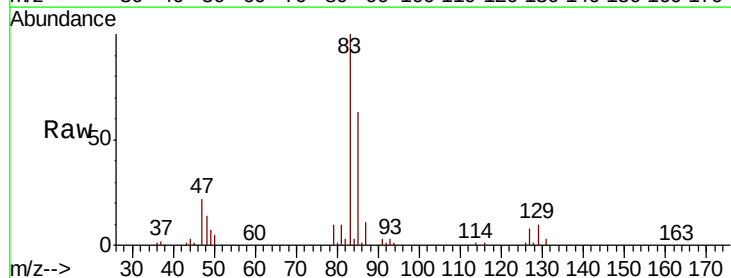
Tgt Ion: 83 Resp: 57166

Ion Ratio Lower Upper

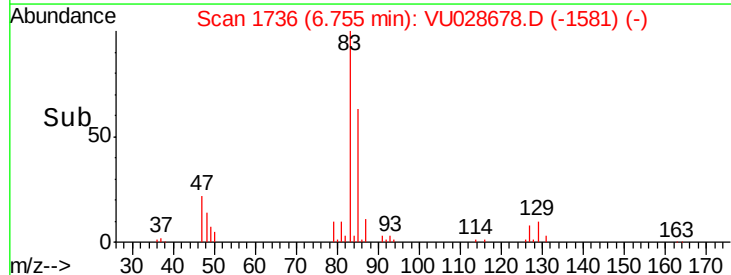
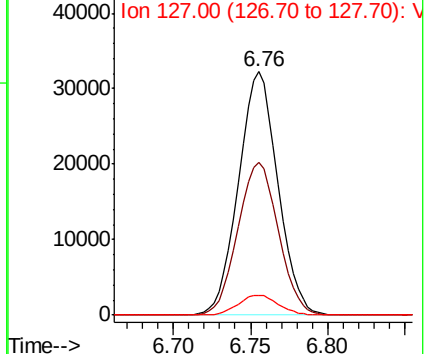
83 100

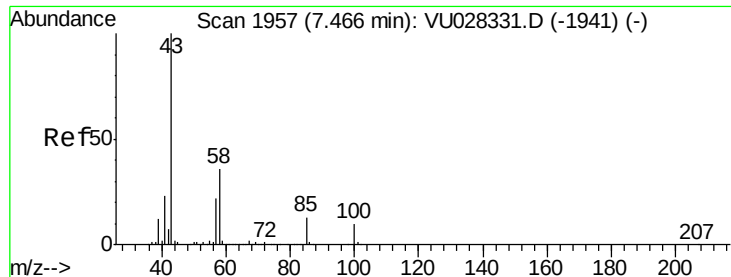
85 62.5 49.0 73.6

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

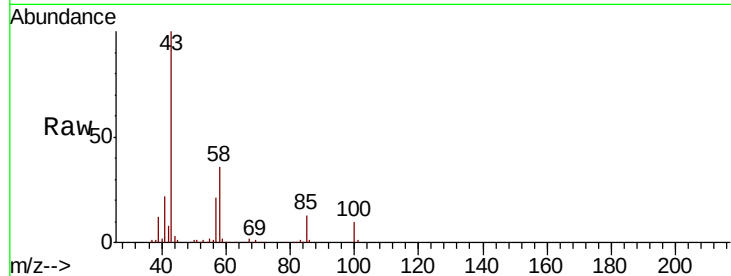




#45
4-Methyl-2-Pentanone
Concen: 51.678 ug/l
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	185983
Ion Ratio	Lower	Upper	
43	100		
58	35.4	17.9	53.7
85	13.1	10.8	16.2

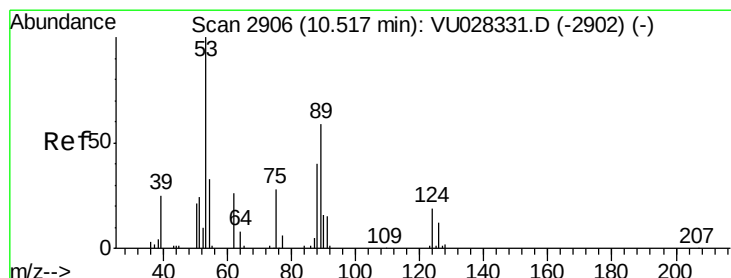
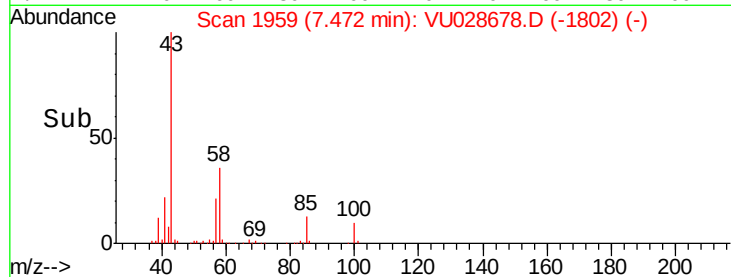
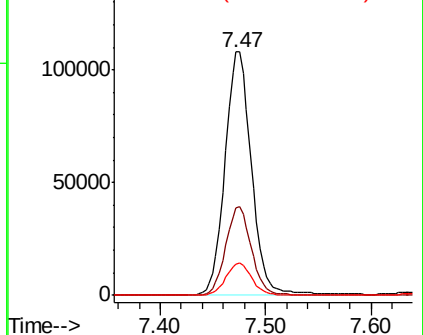


Abundance

Ion 43.00 (42.70 to 43.70): VU0

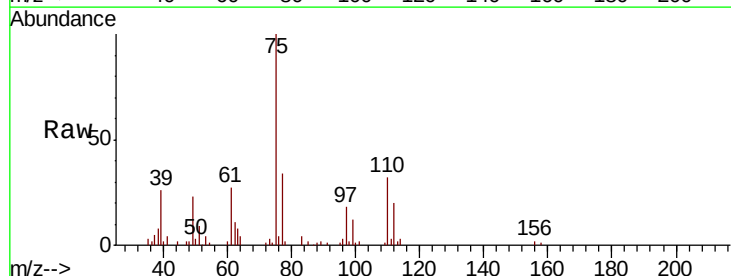
Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
t-1,4-Dichloro-2-butene
Concen: 23.028 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion	75	Resp	30312
Ion Ratio	Lower	Upper	
75	100		
53	77.0	65.0	97.6
89	44.7	38.6	58.0
88	31.8	27.3	40.9



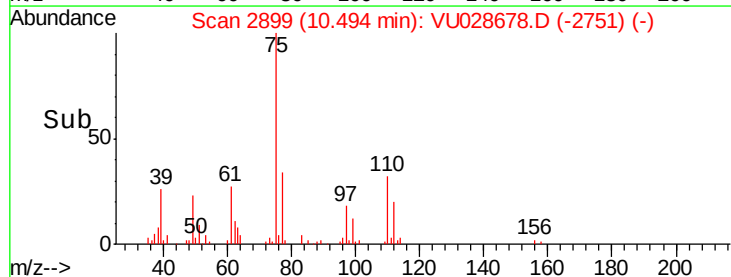
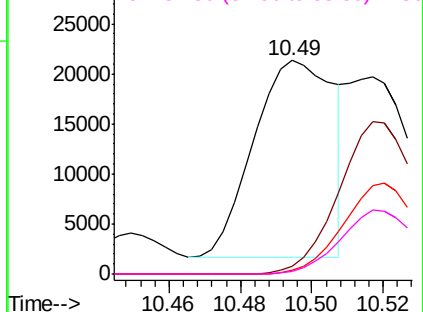
Abundance

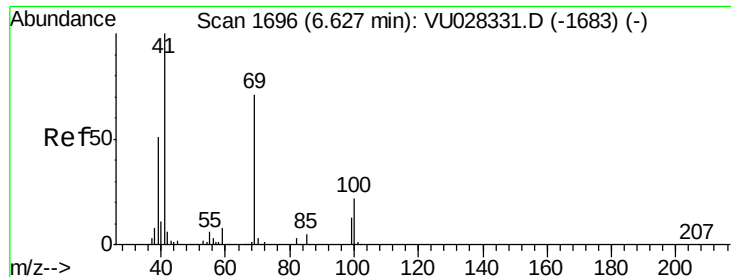
Ion 74.90 (74.60 to 75.60): VU0

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: 21.166 ug/l

RT: 6.63 min Scan# 1698

Delta R.T. 0.01 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 69 Resp: 48406

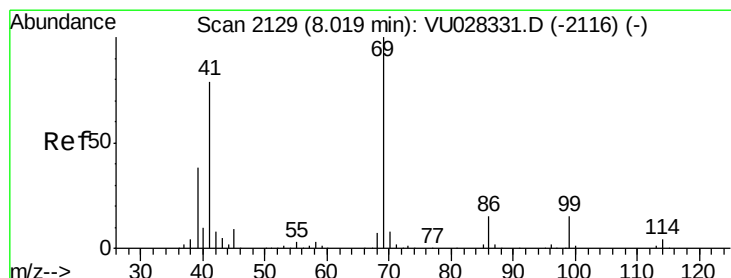
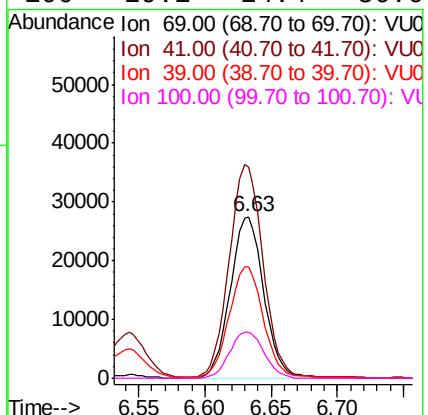
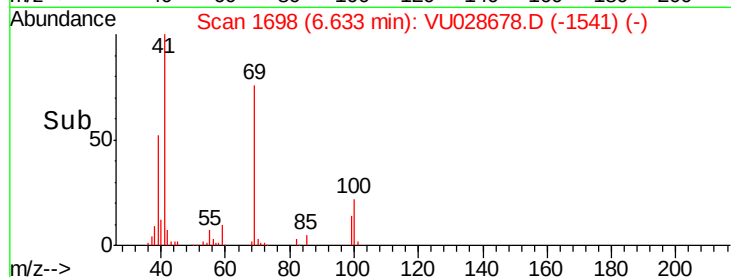
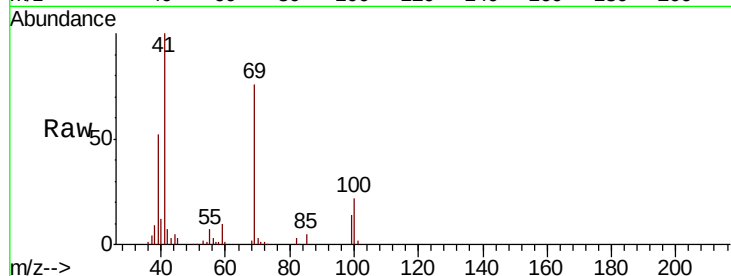
Ion Ratio Lower Upper

69 100

41 132.8 0.0 277.2

39 71.2 57.6 86.4

100 29.1 24.4 36.6



#48

Ethyl methacrylate

Concen: 10.196 ug/l

RT: 8.03 min Scan# 2131

Delta R.T. 0.01 min

Lab File: VU028678.D

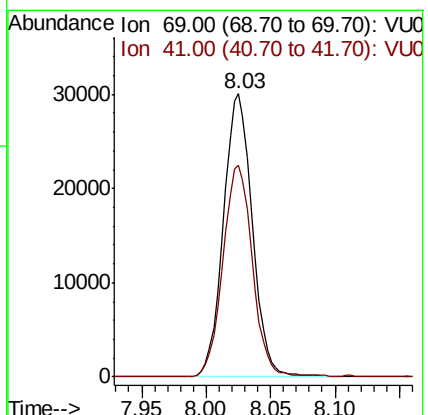
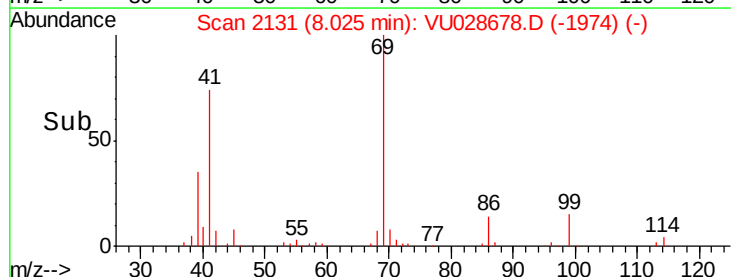
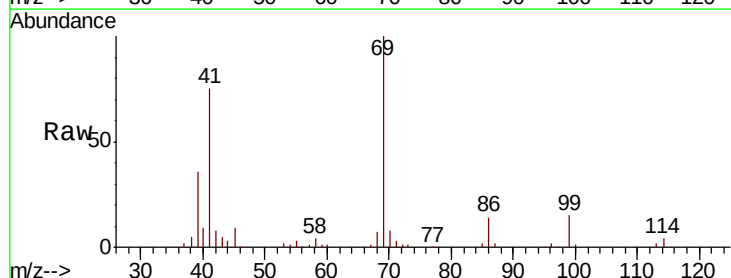
Acq: 13 Dec 2018 15:07

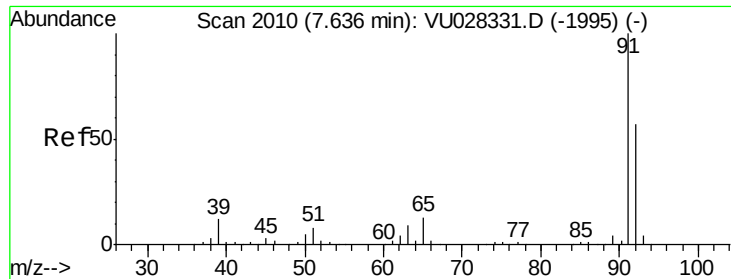
Tgt Ion: 69 Resp: 46643

Ion Ratio Lower Upper

69 100

41 76.8 39.4 118.2





#49

Toluene

Concen: 10.019 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

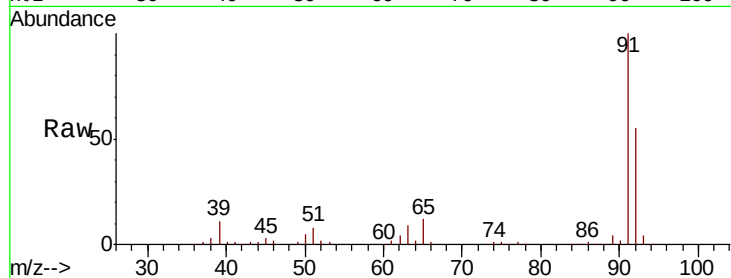
VSTDCCC010EC

Tot Ion: 92 Resp: 102694

Ion Ratio Lower Upper

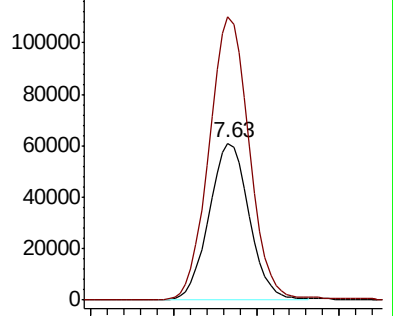
92 100

91 181.3 141.5 212.3

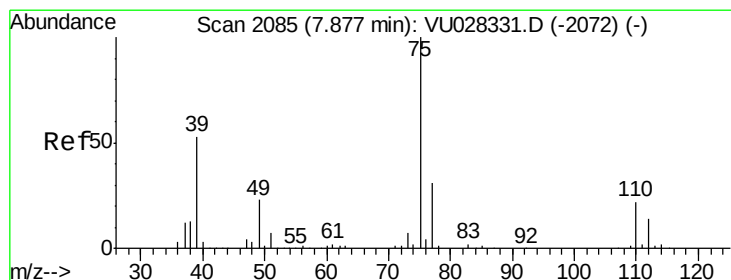
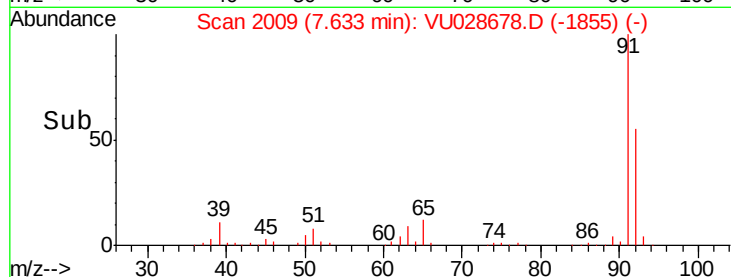


Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



Time--> 7.55 7.60 7.65 7.70



#50

t-1,3-Dichloropropene

Concen: 9.842 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028678.D

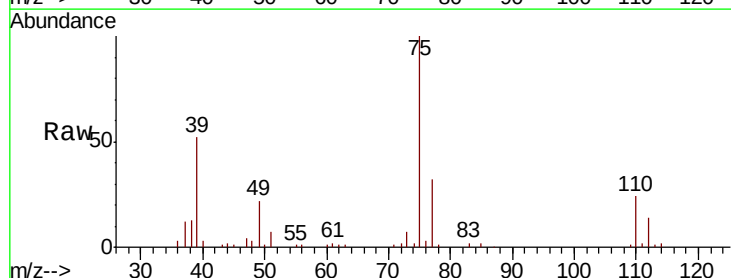
Acq: 13 Dec 2018 15:07

Tgt Ion: 75 Resp: 55929

Ion Ratio Lower Upper

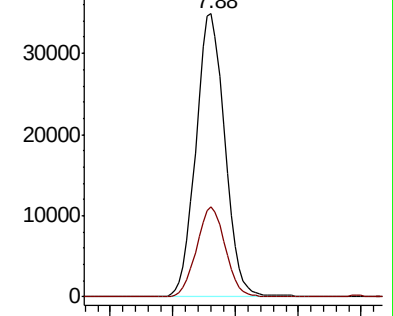
75 100

77 31.9 24.7 37.1

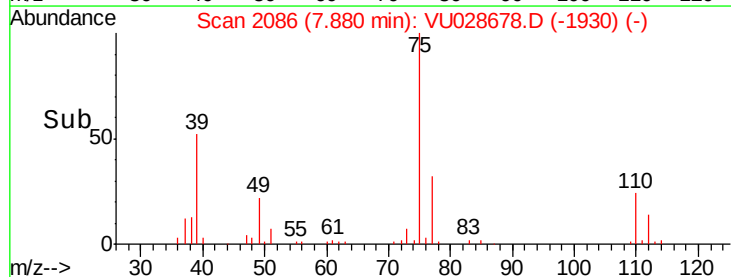


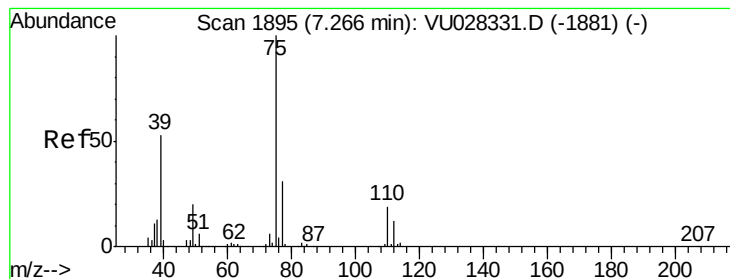
Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time--> 7.80 7.85 7.90 7.95 8.00



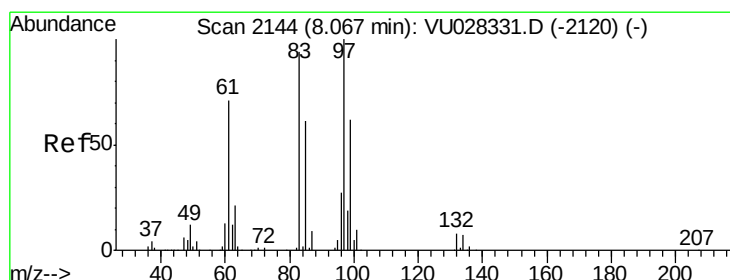
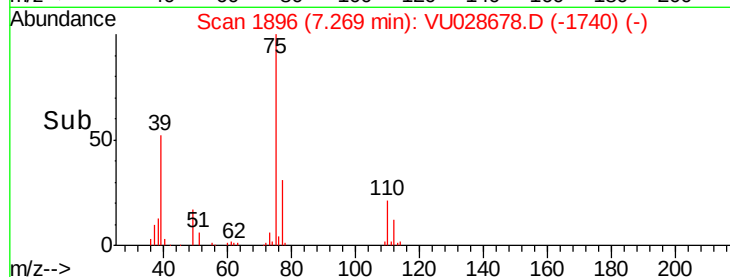
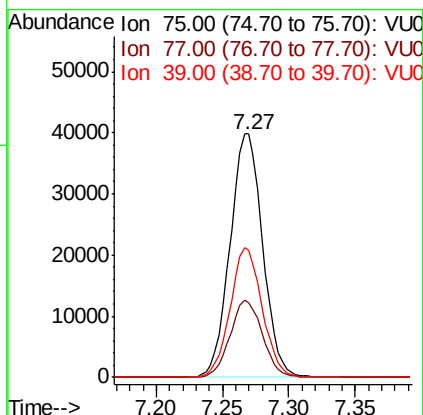
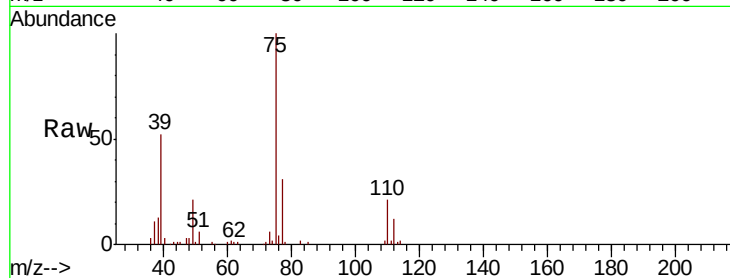


#51

cis-1,3-Dichloropropene
 Concen: 9.683 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

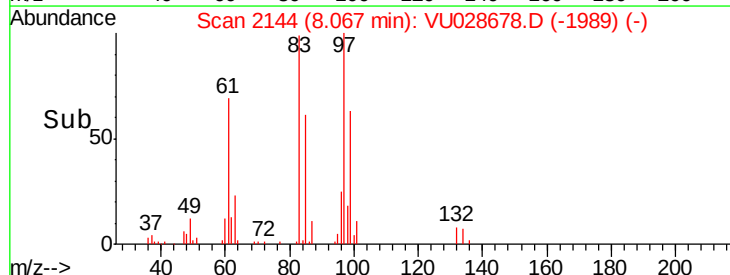
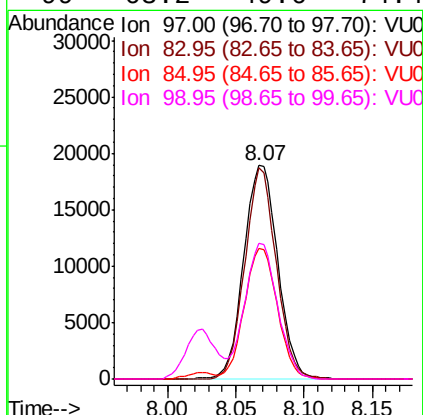
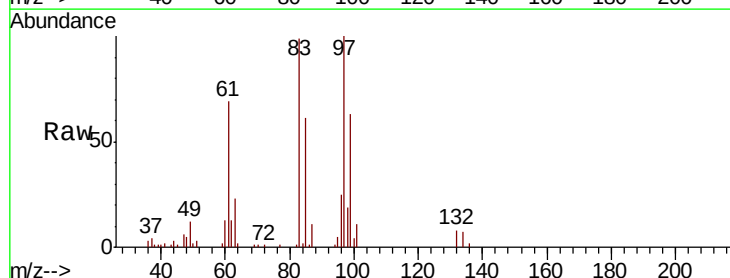
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.4	36.6
39	52.2	42.8	64.2

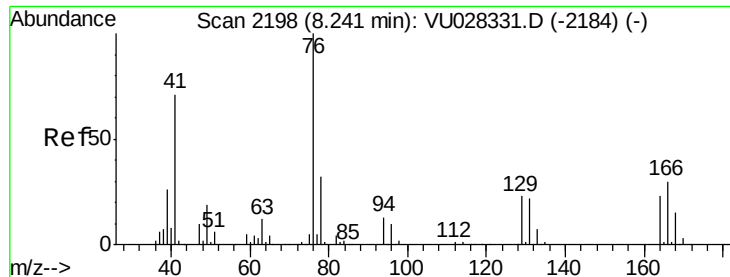


#52

1,1,2-Trichloroethane
 Concen: 10.446 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
97	100		
83	98.7	75.1	112.7
85	61.3	48.7	73.1
99	63.2	49.6	74.4





#53

1,3-Dichloropropane

Concen: 10.204 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

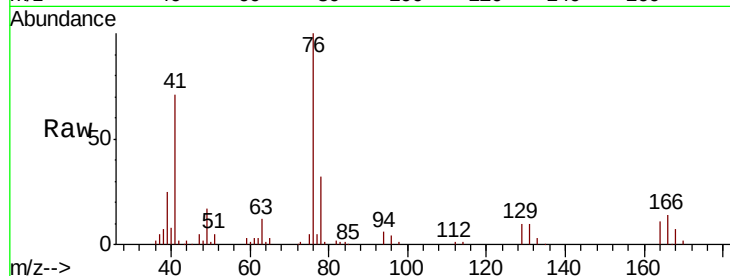
VSTDCCC010EC

Tot Ion: 76 Resp: 59961

Ion Ratio Lower Upper

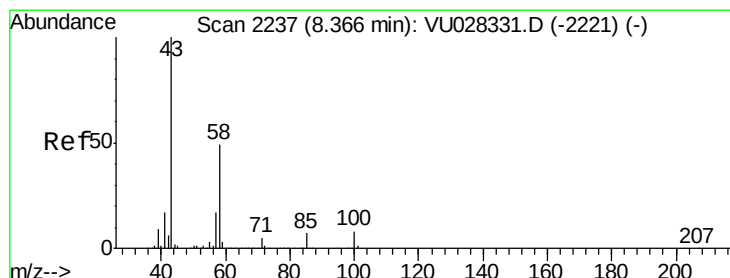
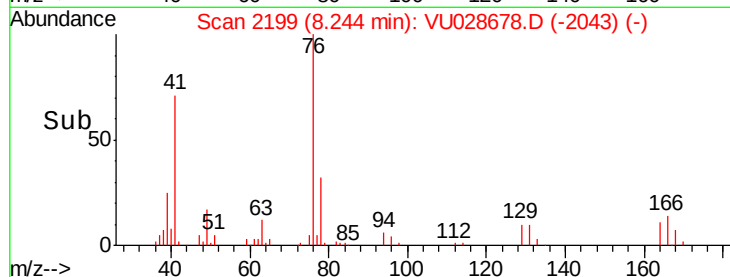
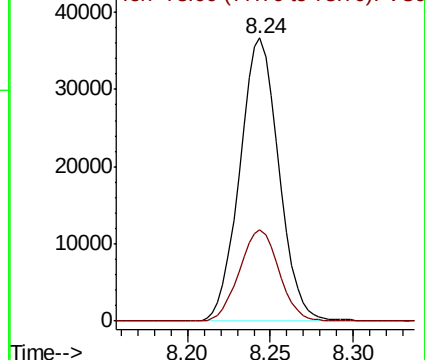
76 100

78 32.7 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: 50.374 ug/l

RT: 8.37 min Scan# 2239

Delta R.T. 0.01 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

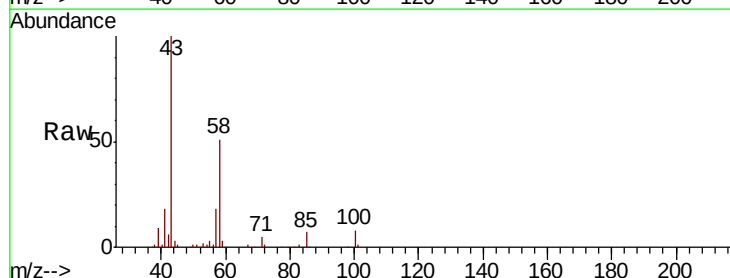
Tgt Ion: 43 Resp: 130417

Ion Ratio Lower Upper

43 100

58 50.5 29.3 69.3

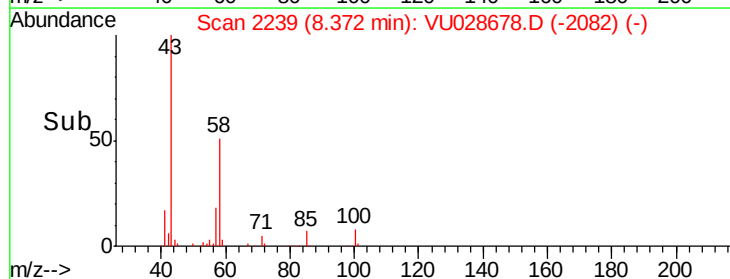
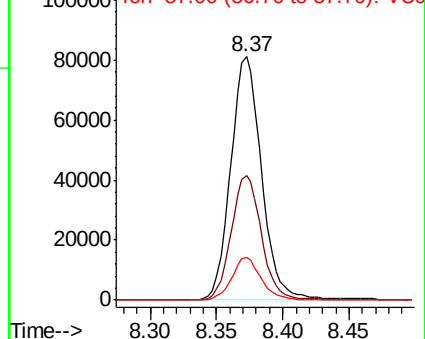
57 16.9 0.0 36.8

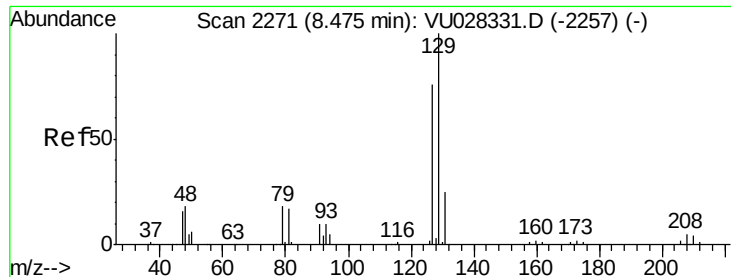


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#55

Dibromochloromethane

Concen: 10.524 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

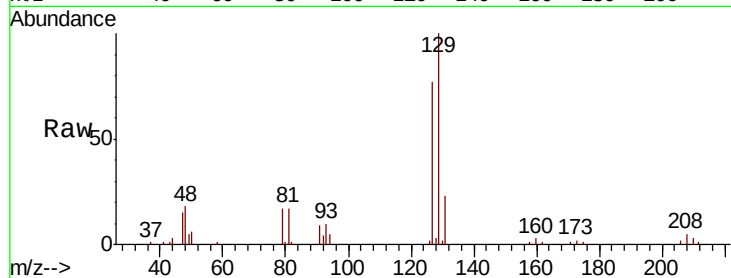
VSTDCCC010EC

Tot Ion:129 Resp: 35212

Ion Ratio Lower Upper

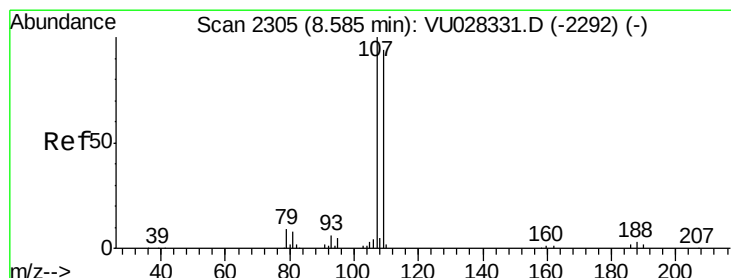
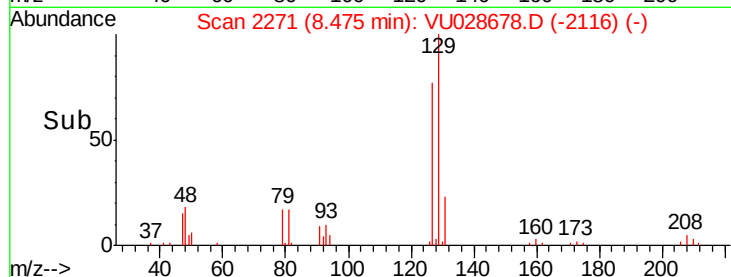
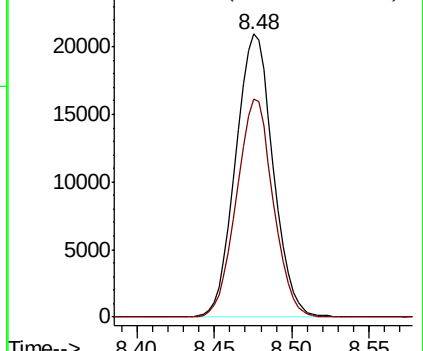
129 100

127 75.2 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: 10.409 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028678.D

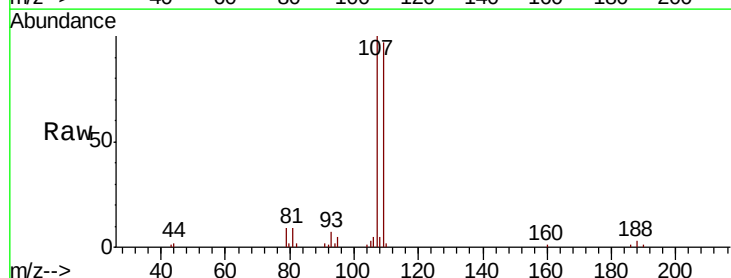
Acq: 13 Dec 2018 15:07

Tgt Ion:107 Resp: 29825

Ion Ratio Lower Upper

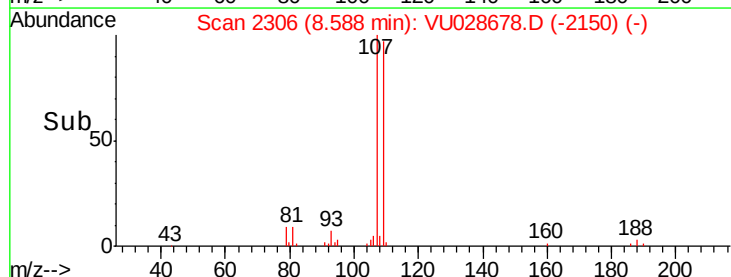
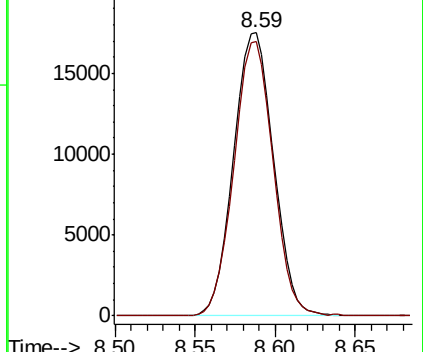
107 100

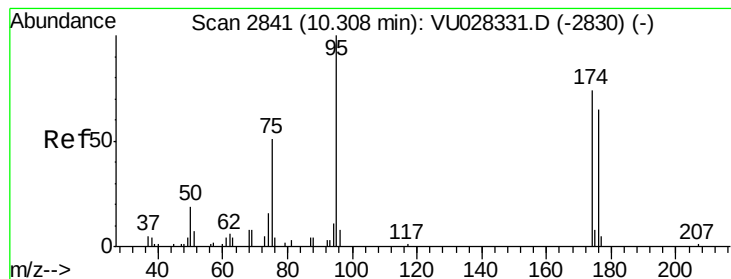
109 94.8 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 10.409 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

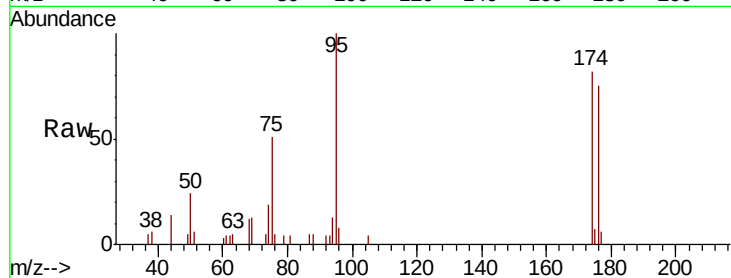
Tot Ion: 95 Resp: 5453

Ion Ratio Lower Upper

95 100

174 78.0 59.3 88.9

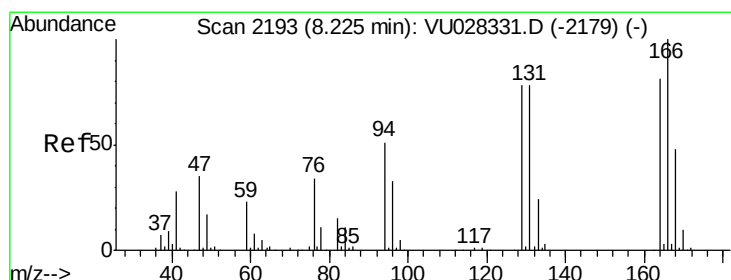
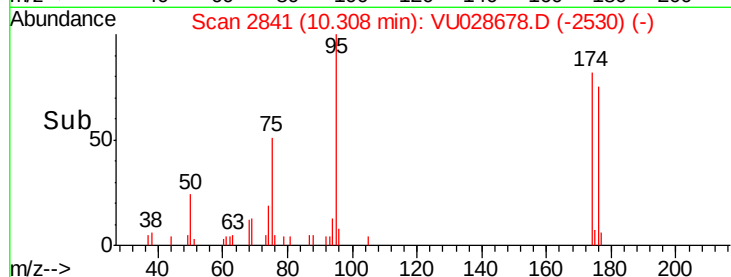
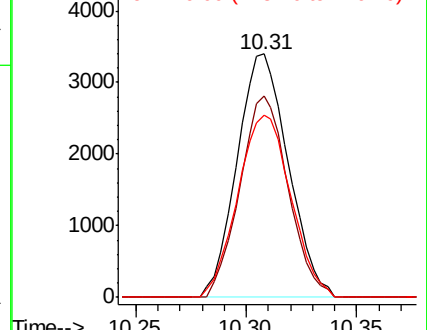
176 77.5 54.3 81.5



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#58

Tetrachloroethene

Concen: 10.420 ug/l

RT: 8.22 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Tgt Ion: 164 Resp: 38350

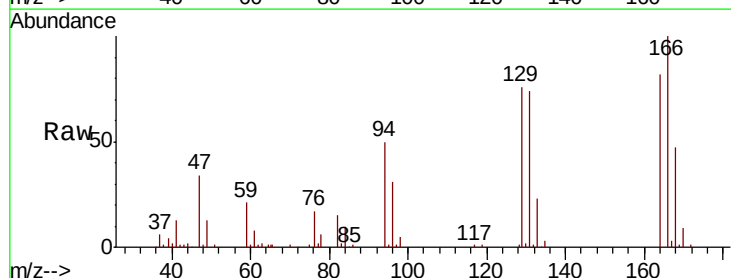
Ion Ratio Lower Upper

164 100

166 122.5 98.6 148.0

129 92.7 77.0 115.4

131 90.7 77.0 115.4

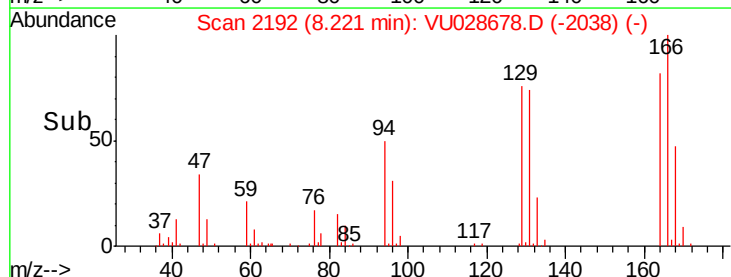
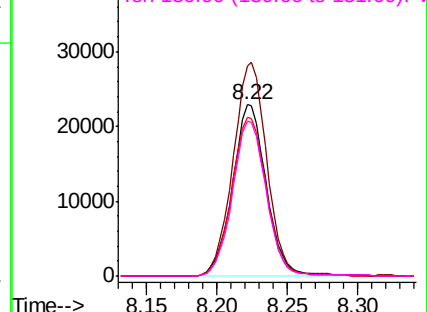


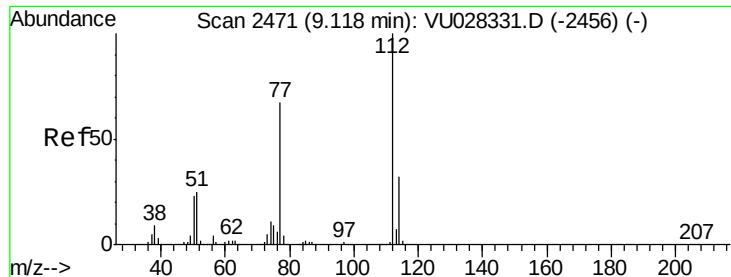
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

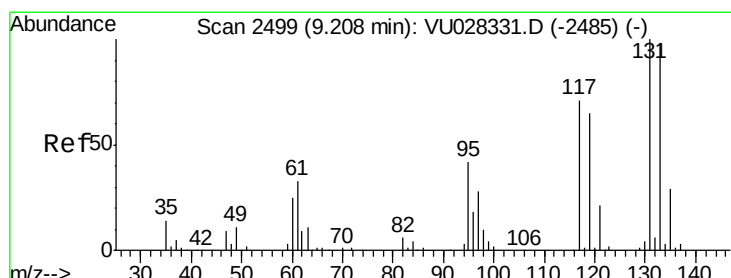
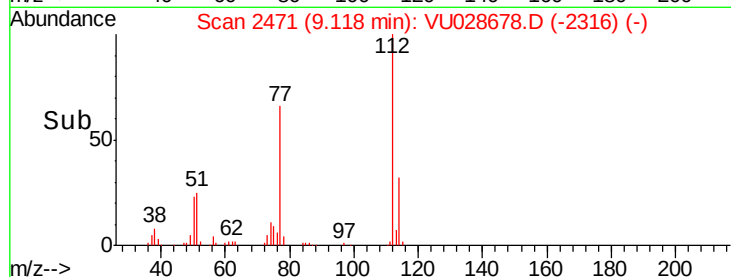
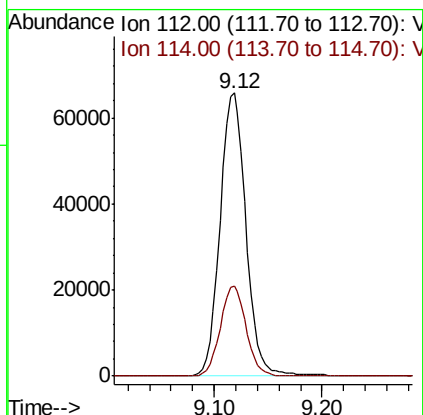
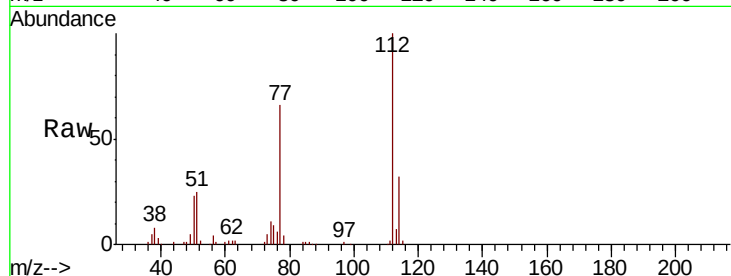




#59
Chlorobenzene
Concen: 10.288 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

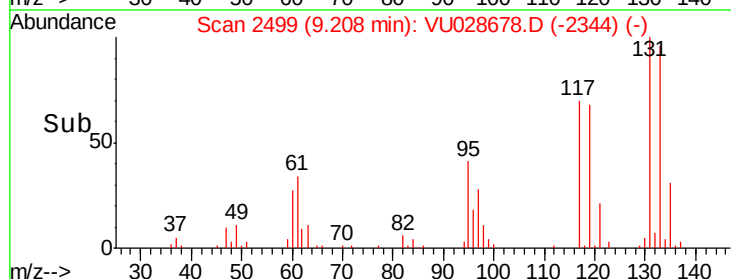
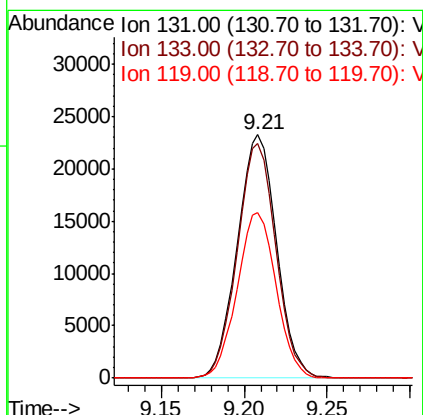
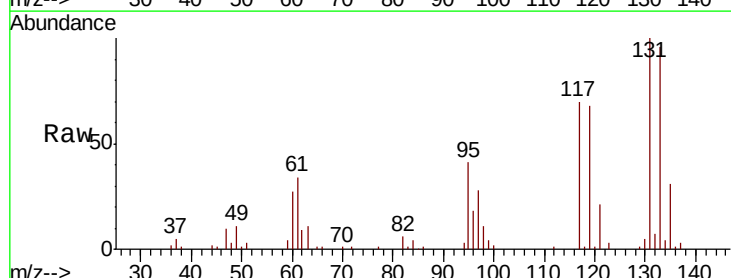
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

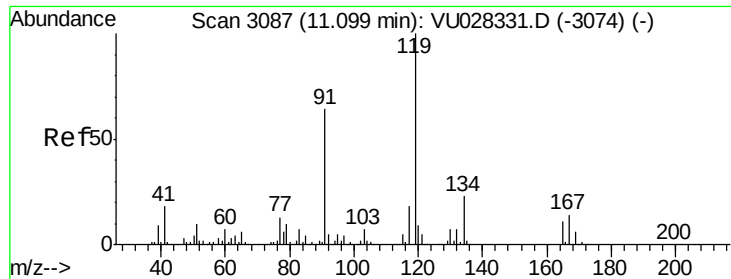
Tot Ion:112 Resp: 109730
Ion Ratio Lower Upper
112 100
114 32.0 25.2 37.8



#60
1,1,1,2-Tetrachloroethane
Concen: 10.625 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion:131 Resp: 38403
Ion Ratio Lower Upper
131 100
133 94.8 77.7 116.5
119 67.3 54.3 81.5

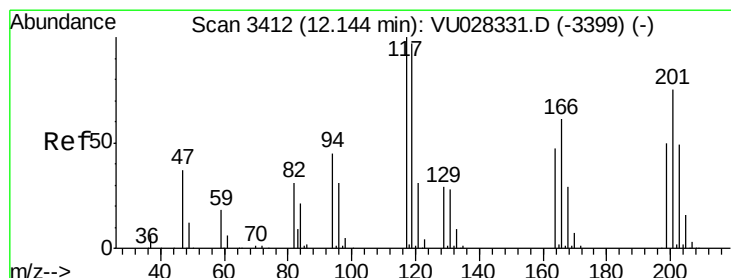
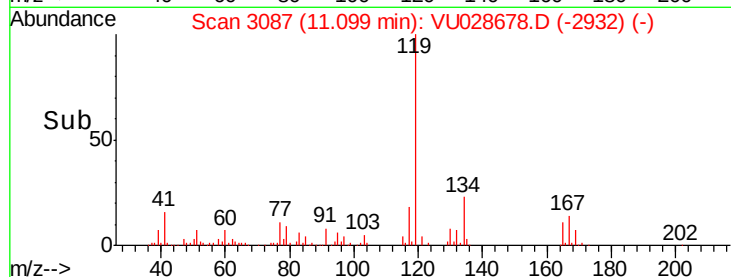
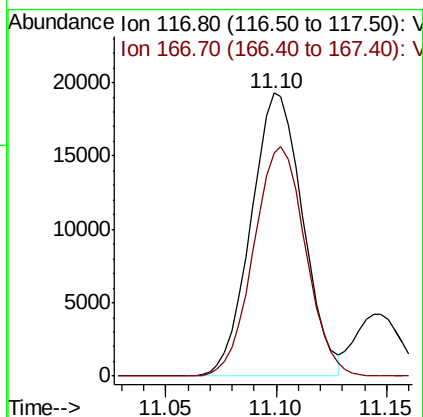
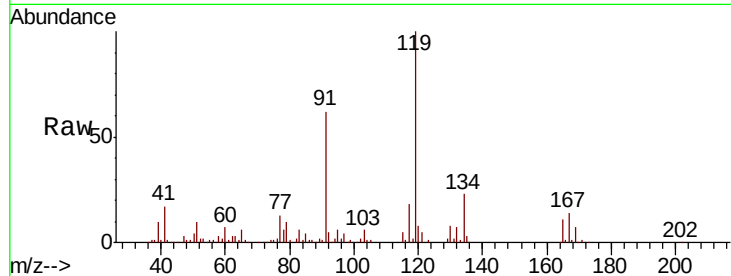




#61
 Pentachloroethane
 Concen: 11.166 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

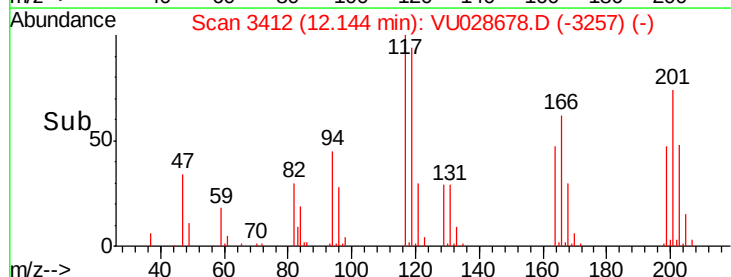
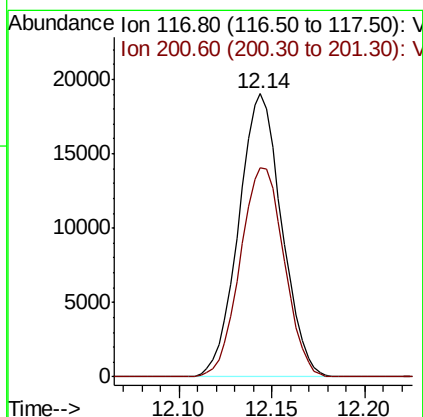
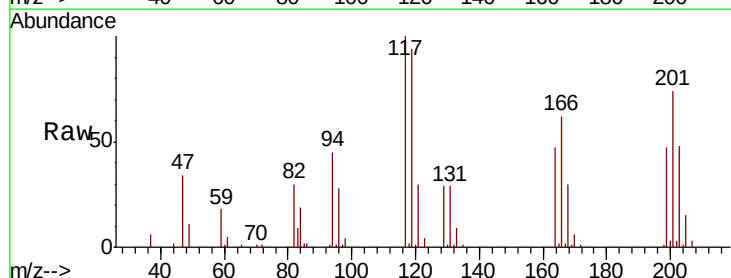
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

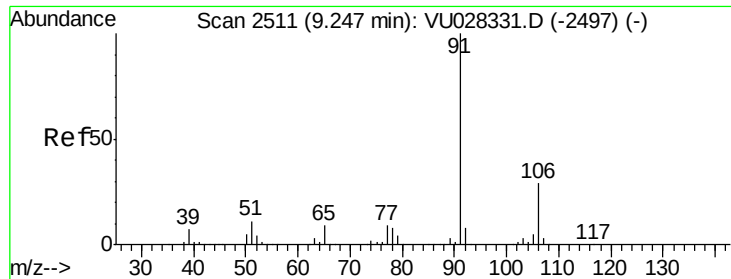
Tot Ion:117 Resp: 31407
 Ion Ratio Lower Upper
 117 100
 167 81.1 64.2 96.2



#62
 Hexachloroethane
 Concen: 11.635 ug/l
 RT: 12.14 min Scan# 3412
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion:117 Resp: 30669
 Ion Ratio Lower Upper
 117 100
 201 75.2 59.4 89.2

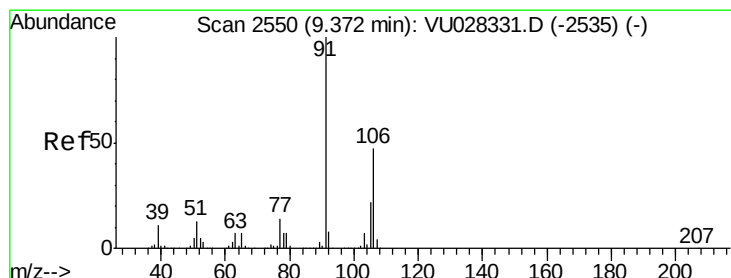
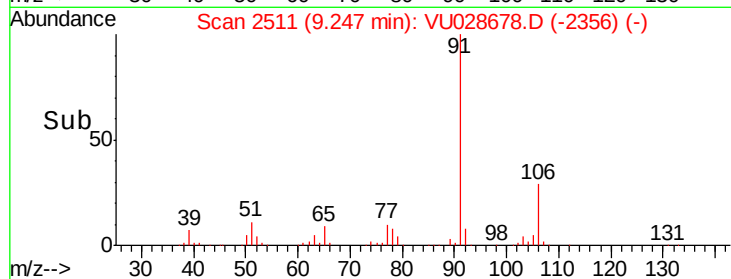
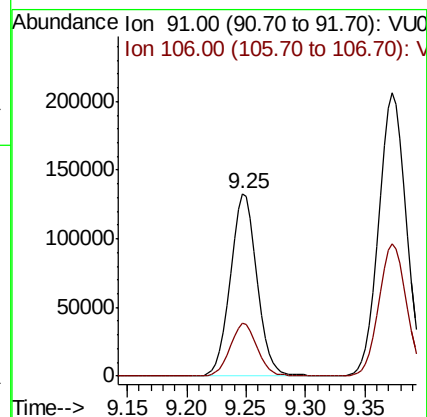
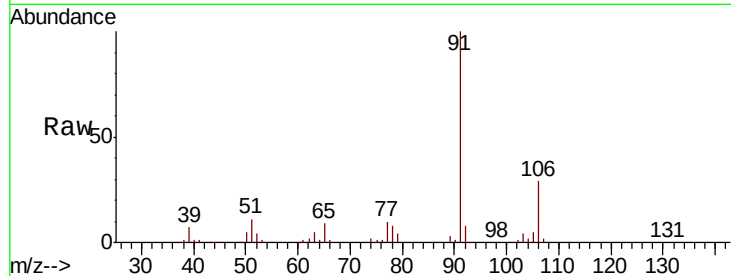




#63
Ethyl Benzene
Concen: 10.508 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

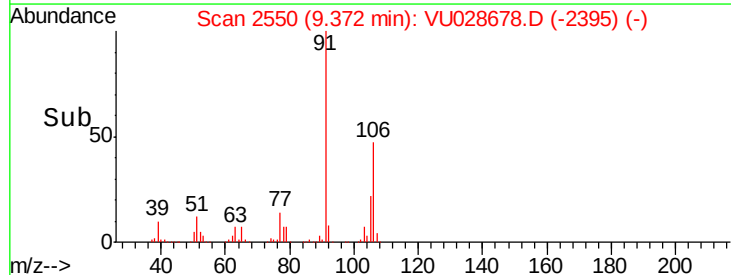
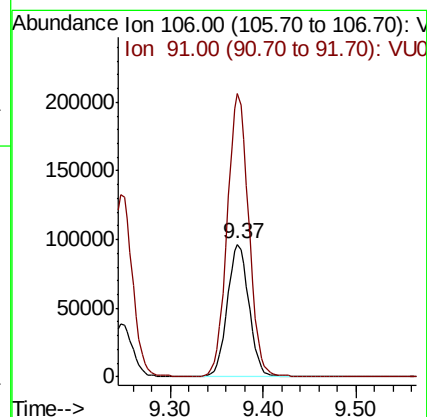
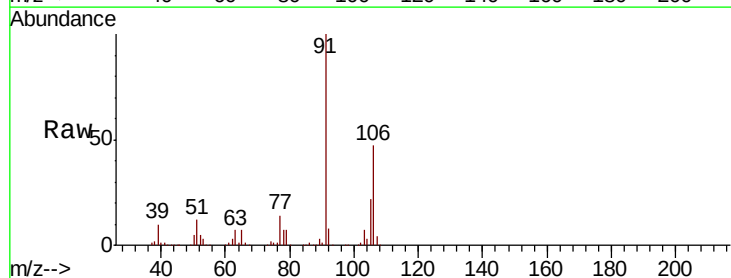
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

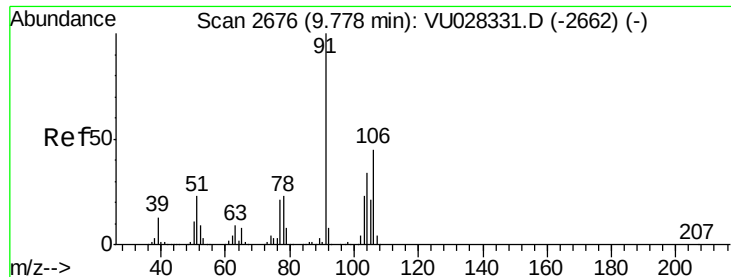
Tot Ion: 91 Resp: 206805
Ion Ratio Lower Upper
91 100
106 28.8 23.4 35.2



#64
m/p-Xylenes
Concen: 21.905 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 106 Resp: 156012
Ion Ratio Lower Upper
106 100
91 211.3 170.6 256.0

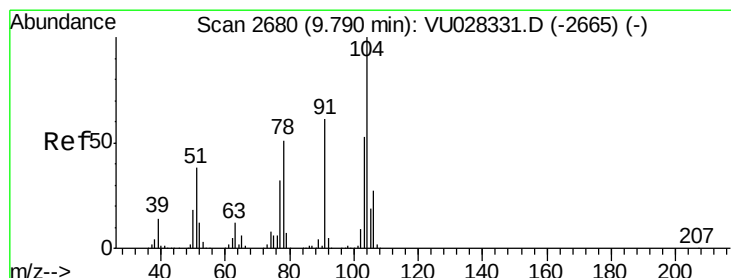
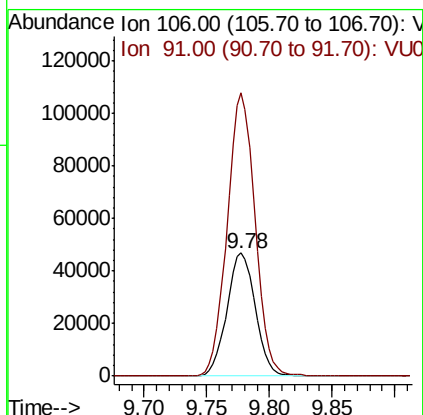
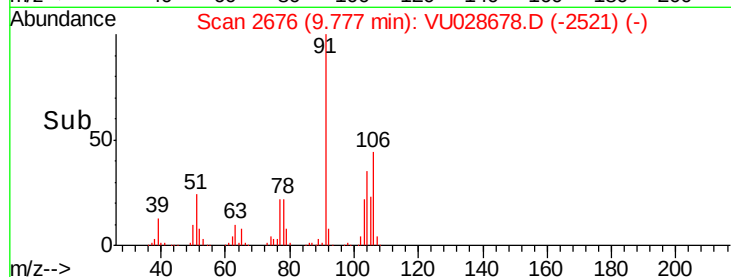
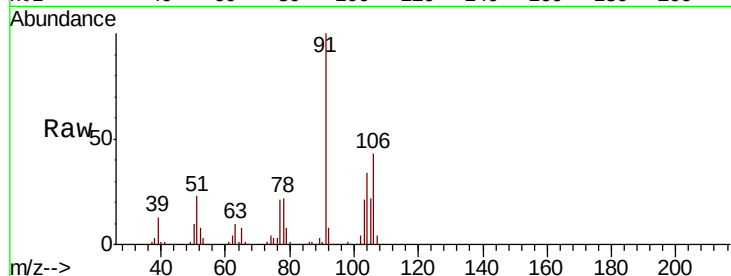




#65
o-Xylene
Concen: 10.742 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

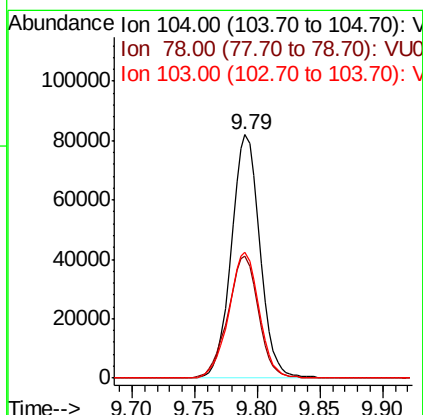
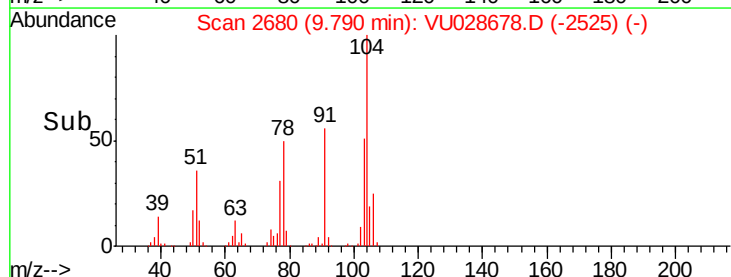
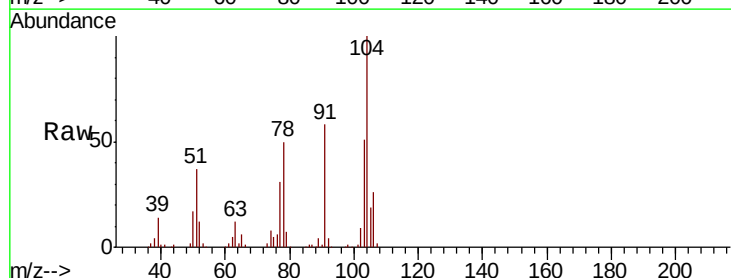
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

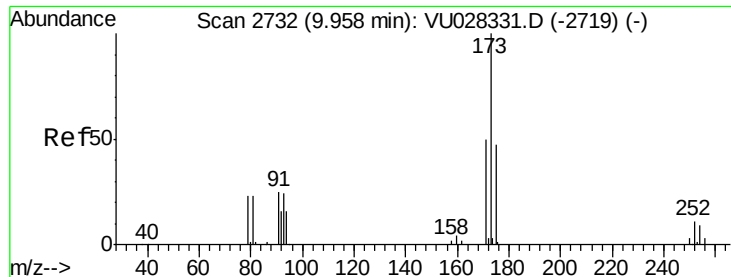
Tot Ion:106 Resp: 73826
Ion Ratio Lower Upper
106 100
91 224.7 112.3 337.0



#66
Styrene
Concen: 11.011 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion:104 Resp: 129801
Ion Ratio Lower Upper
104 100
78 53.8 44.0 66.0
103 54.7 45.2 67.8

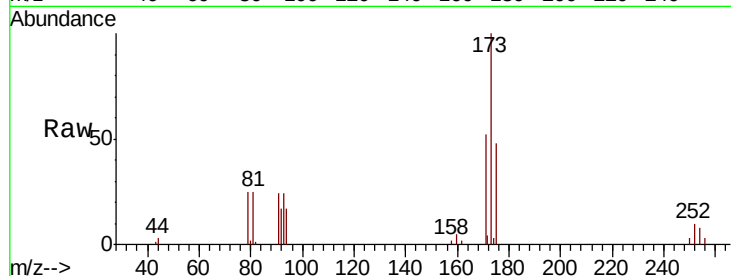




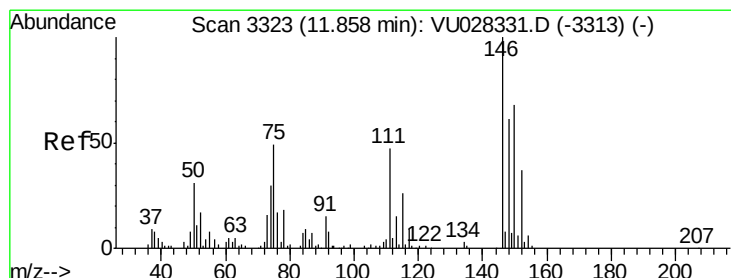
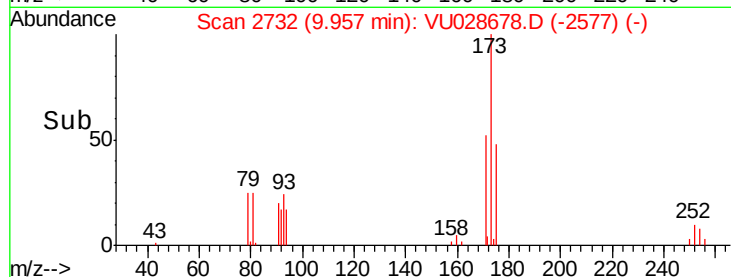
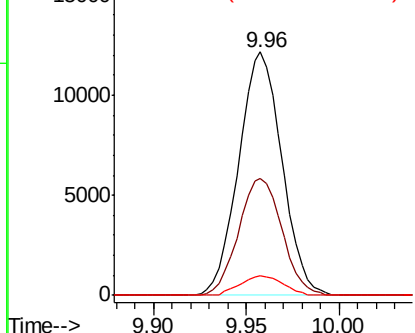
#67
Bromoform
Concen: 10.533 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 19751
Ion Ratio Lower Upper
173 100
175 48.0 39.0 58.6
254 7.9 6.8 10.2

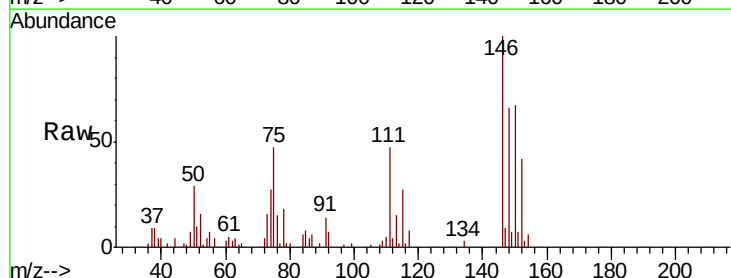


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

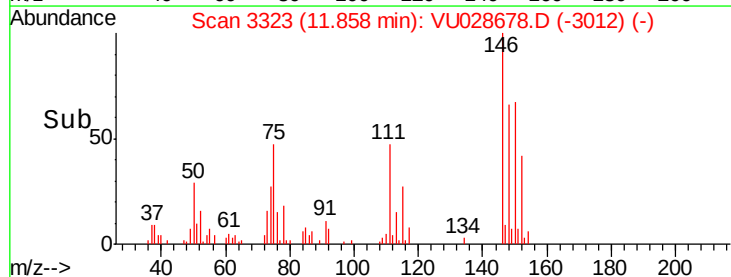
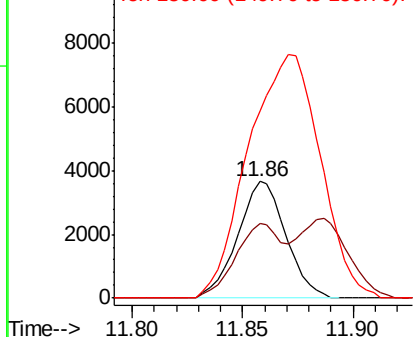


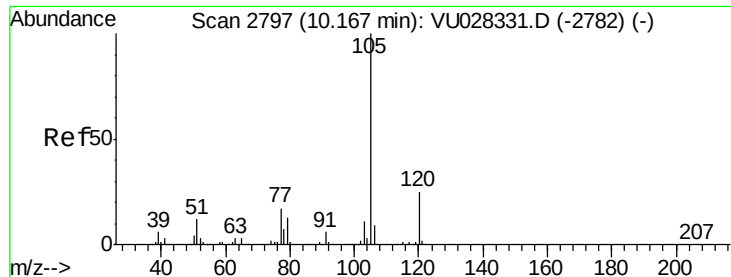
#68
1,2-Dichlorobenzene-d4
Concen: 10.533 ug/l
RT: 11.86 min Scan# 3323
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion:152 Resp: 5536
Ion Ratio Lower Upper
152 100
115 63.1 0.0 146.8
150 312.8 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: 10.729 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

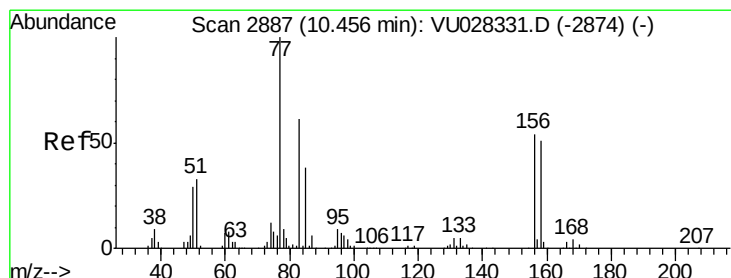
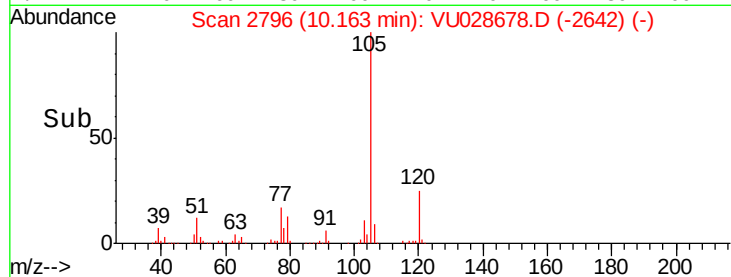
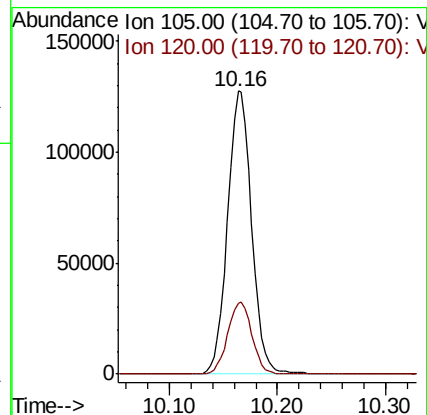
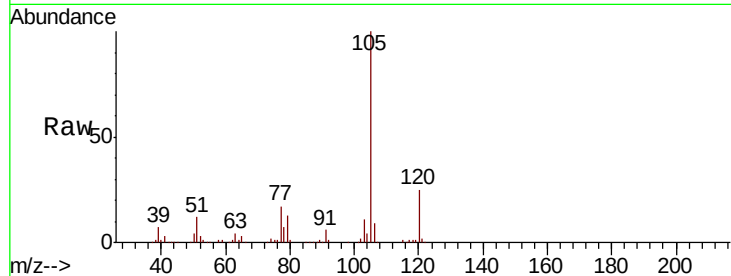
VSTDCCC010EC

Tot Ion:105 Resp: 197460

Ion Ratio Lower Upper

105 100

120 25.7 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 11.021 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

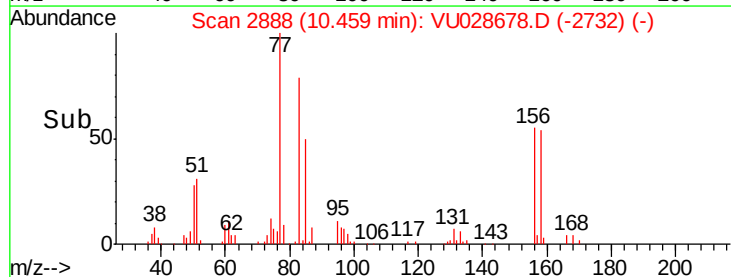
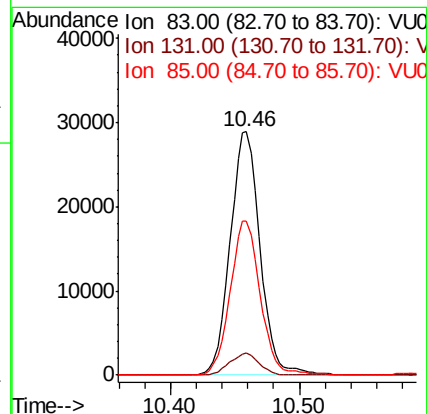
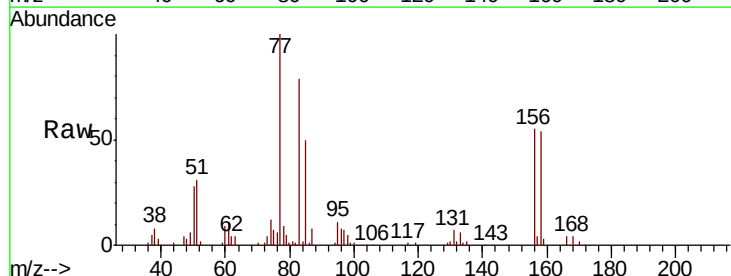
Tgt Ion: 83 Resp: 46505

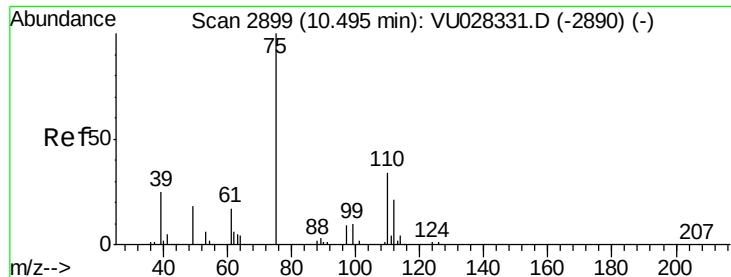
Ion Ratio Lower Upper

83 100

131 8.7 6.6 9.8

85 63.6 50.5 75.7





#71

1,2,3-Trichloropropane

Concen: 10.305 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 30312

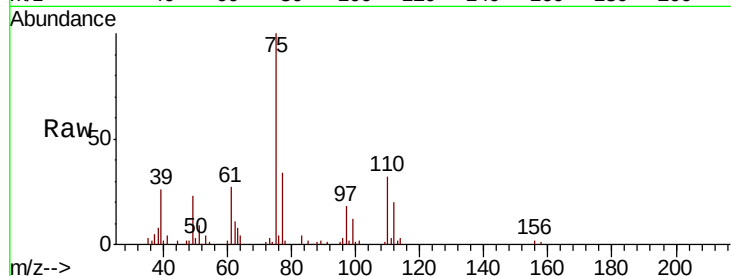
Ion Ratio Lower Upper

75 100

77 11.7 0.0 0.0#

110 34.3 0.0 67.6

97 19.3 0.0 35.8

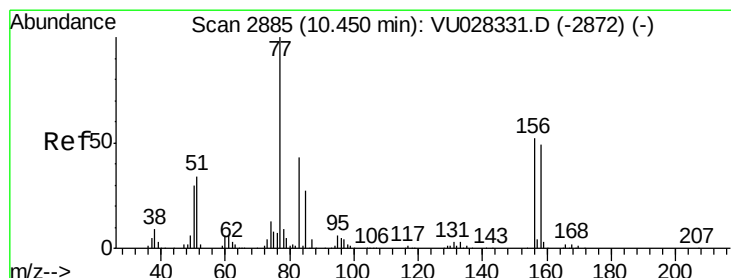
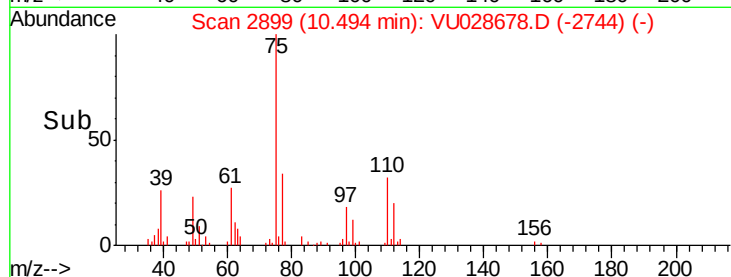
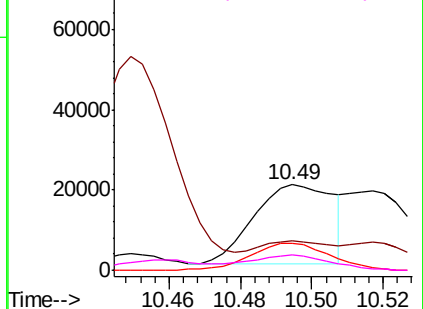


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 11.254 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

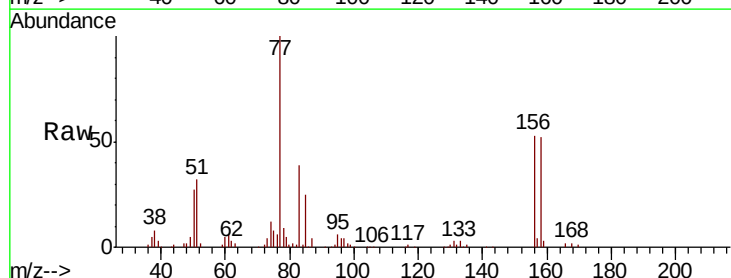
Tgt Ion: 156 Resp: 45970

Ion Ratio Lower Upper

156 100

77 183.9 0.0 380.4

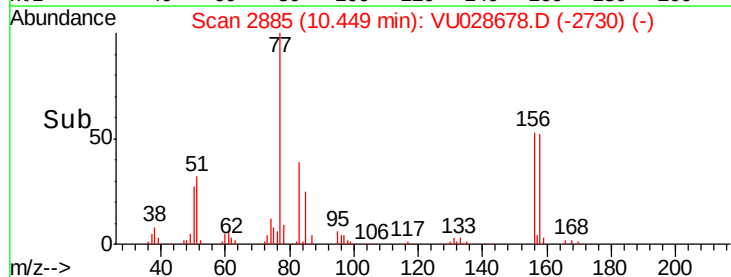
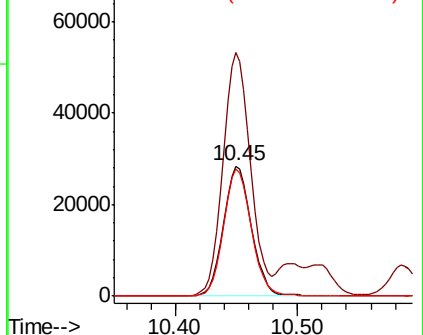
158 96.8 0.0 191.2

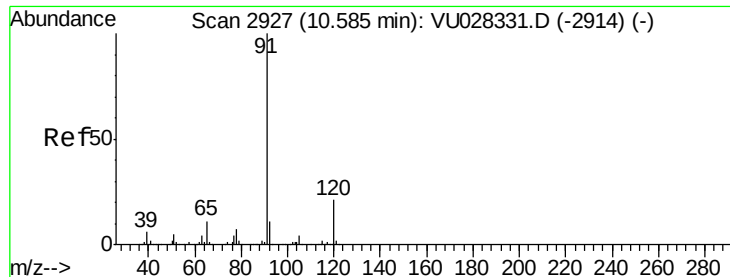


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 11.344 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

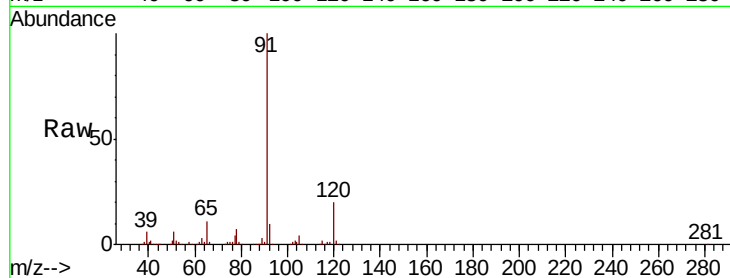
VSTDCCC010EC

Tot Ion:120 Resp: 54149

Ion Ratio Lower Upper

120 100

91 479.3 388.1 582.1



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

200000

150000

100000

50000

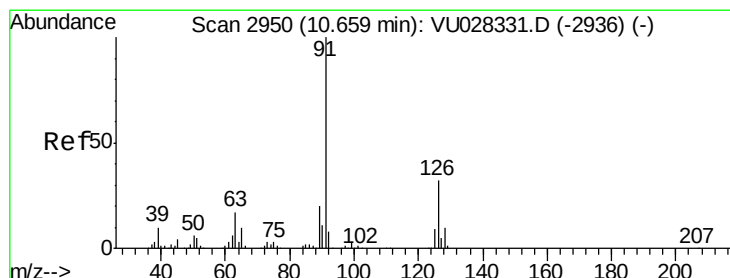
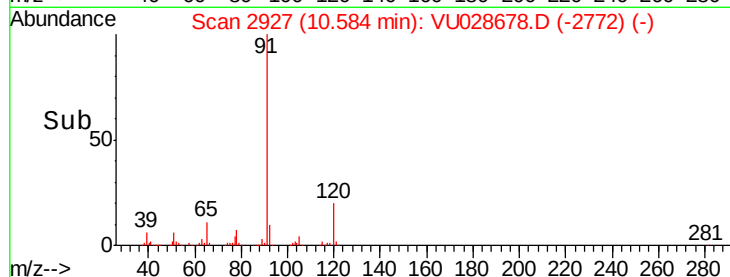
0

10.55

10.60

10.65

Time-->



#74

2-Chlorotoluene

Concen: 11.355 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028678.D

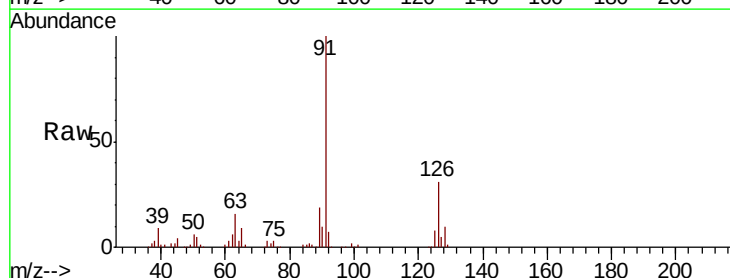
Acq: 13 Dec 2018 15:07

Tgt Ion:126 Resp: 47492

Ion Ratio Lower Upper

126 100

91 320.5 0.0 661.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

200000

150000

100000

50000

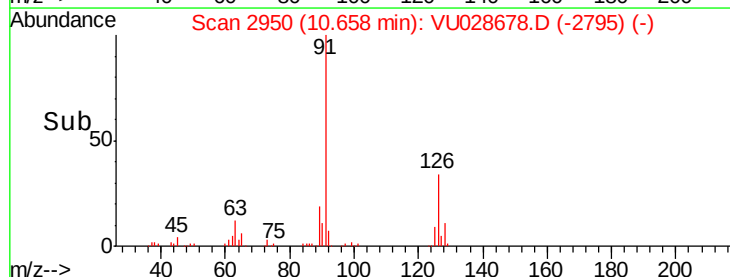
0

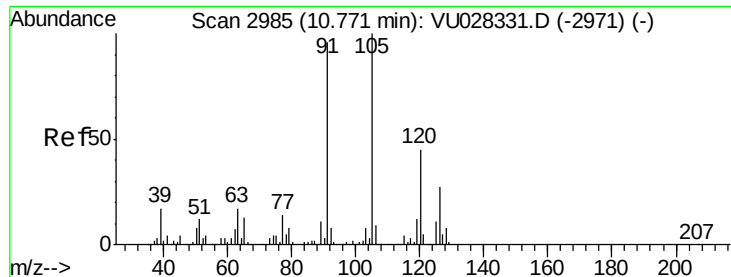
10.60

10.65

10.70

Time-->





#75

1,3,5-Trimethylbenzene

Concen: 11.217 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

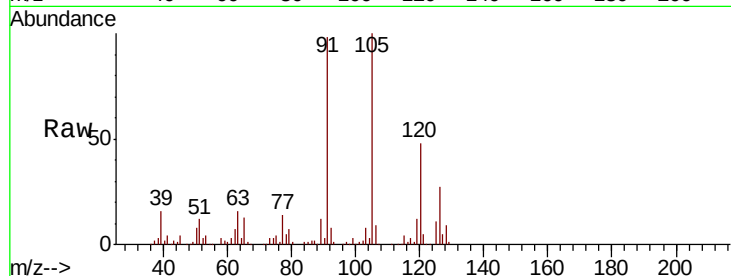
VSTDCCC010EC

Tot Ion:105 Resp: 173737

Ion Ratio Lower Upper

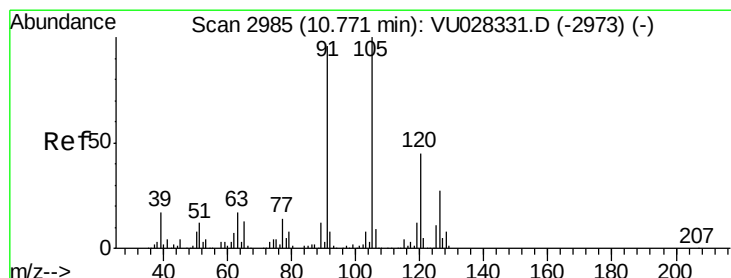
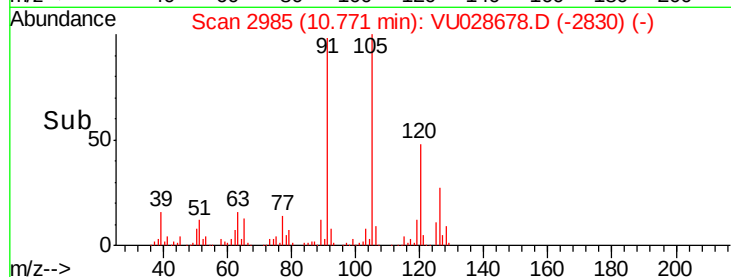
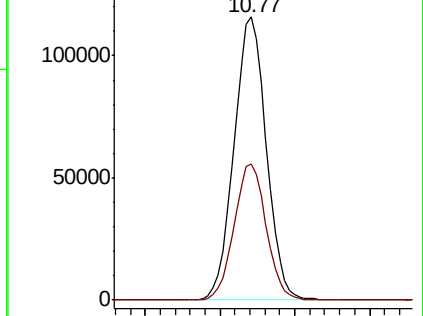
105 100

120 47.9 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: 11.402 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028678.D

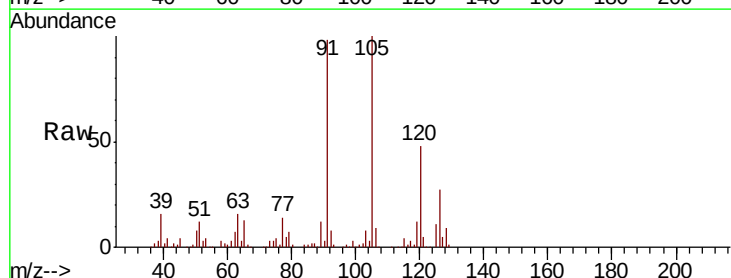
Acq: 13 Dec 2018 15:07

Tgt Ion:126 Resp: 48346

Ion Ratio Lower Upper

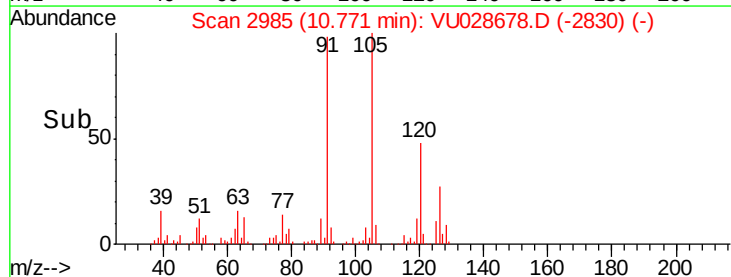
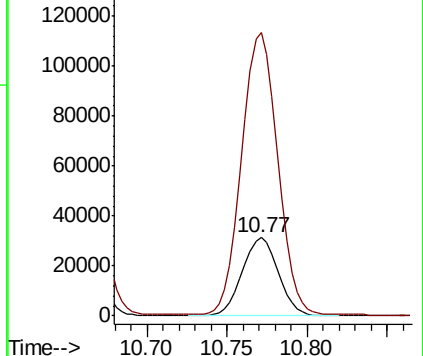
126 100

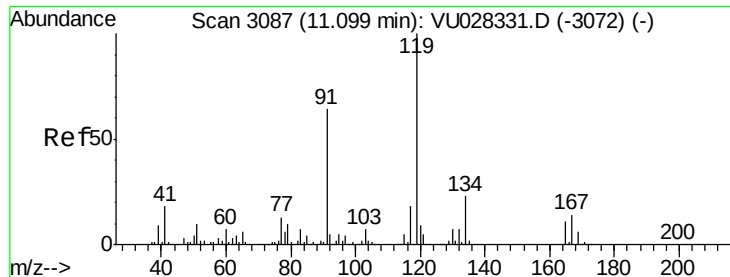
91 360.3 0.0 731.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

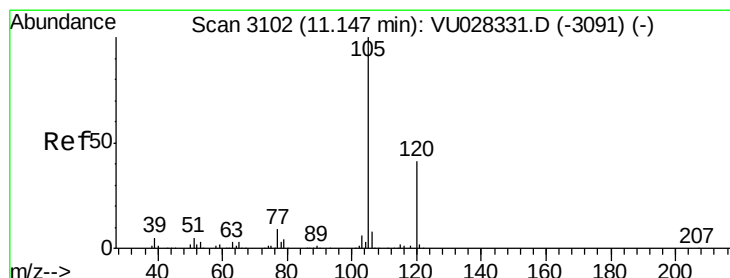
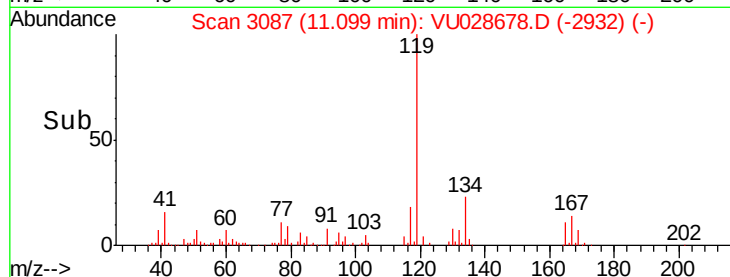
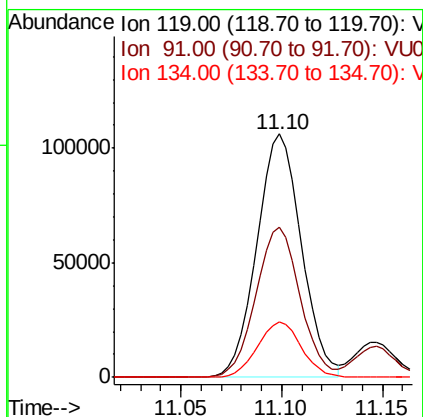
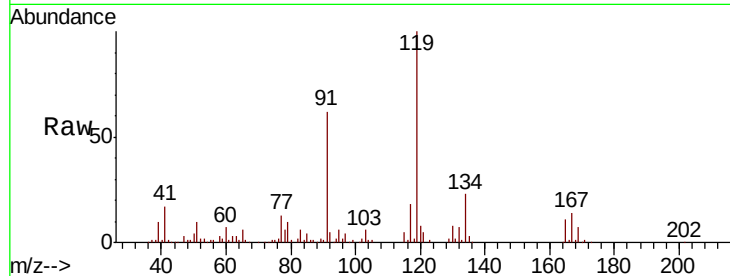




#77
tert-Butylbenzene
Concen: 11.243 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

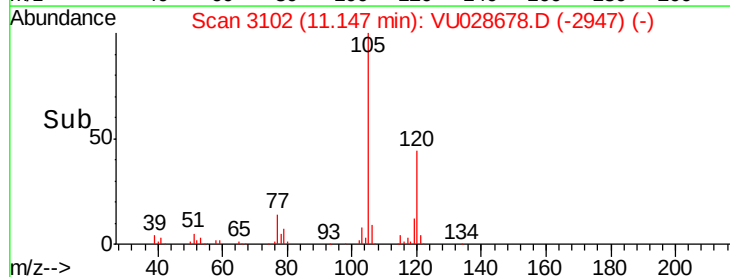
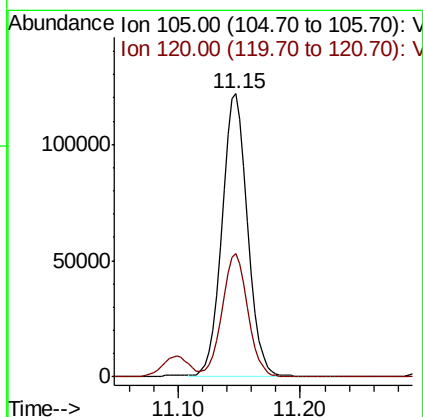
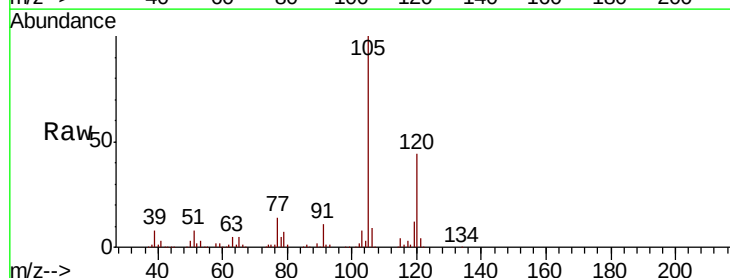
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

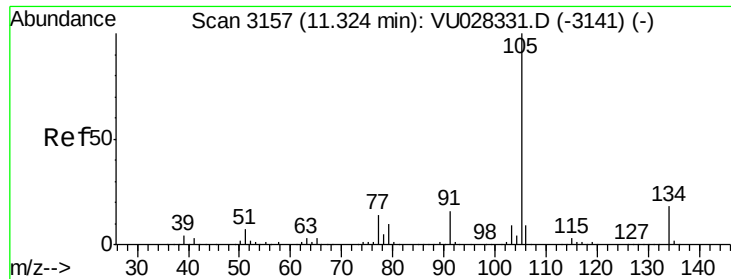
Tot Ion:119 Resp: 163945
Ion Ratio Lower Upper
119 100
91 61.2 32.0 96.0
134 22.4 17.9 26.9



#78
1,2,4-Trimethylbenzene
Concen: 11.296 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion:105 Resp: 179301
Ion Ratio Lower Upper
105 100
120 43.7 21.9 65.8





#79

sec-Butylbenzene

Concen: 11.146 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

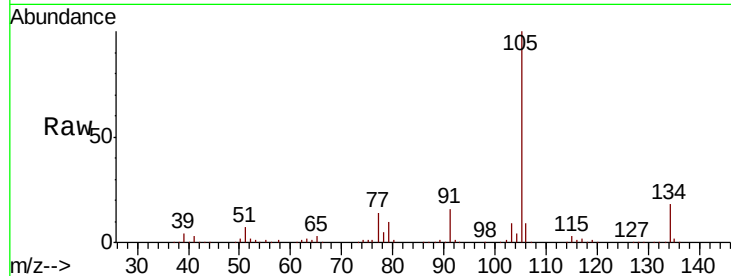
VSTDCCC010EC

Tot Ion:105 Resp: 226582

Ion Ratio Lower Upper

105 100

134 18.3 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

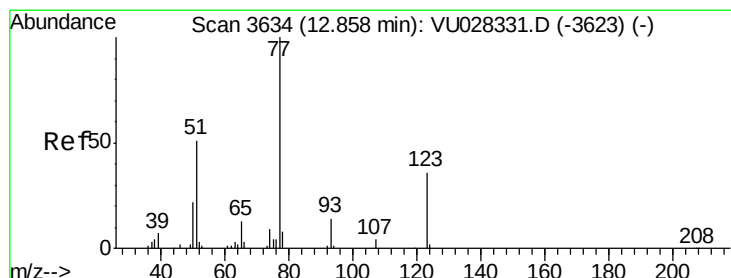
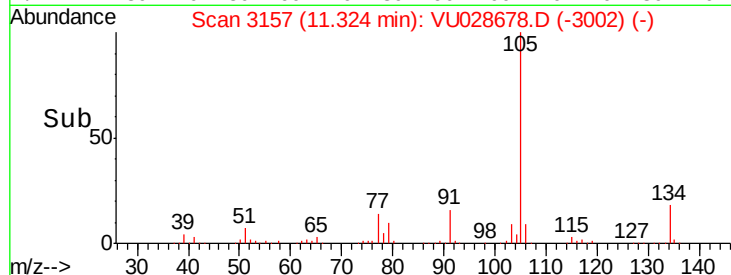
150000

100000

50000

0

Time-->



#80

Nitrobenzene

Concen: 53.769 ug/l

RT: 12.86 min Scan# 3635

Delta R.T. 0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

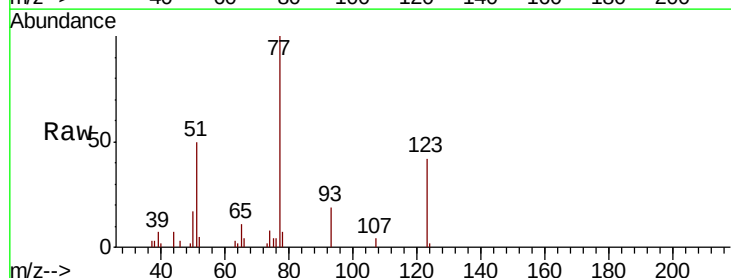
Tgt Ion: 77 Resp: 10221

Ion Ratio Lower Upper

77 100

123 43.6 16.5 58.3

65 13.7 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

8000

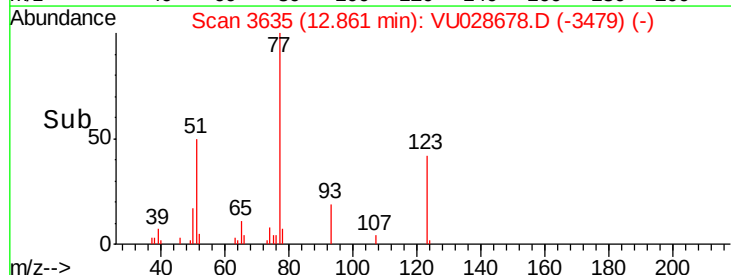
6000

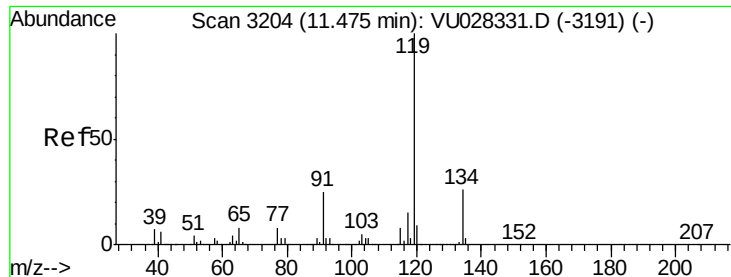
4000

2000

0

Time-->

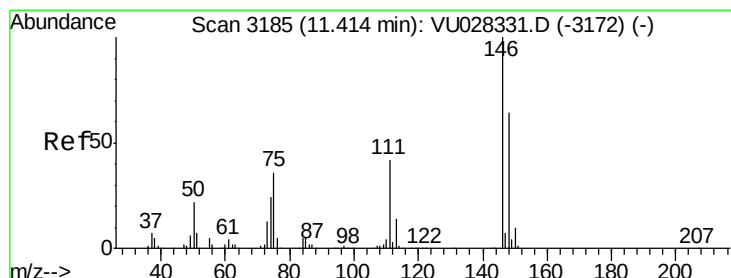
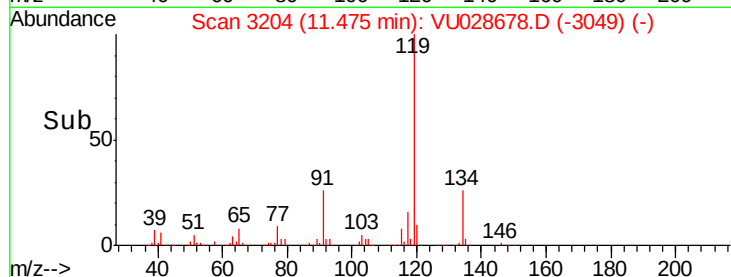
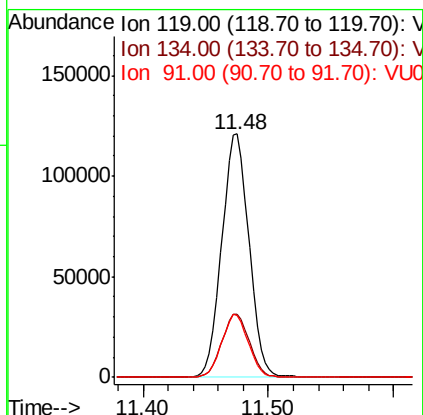
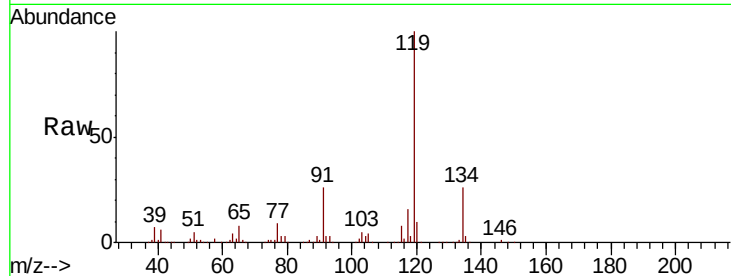




#81
 p-Isopropyltoluene
 Concen: 11.205 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

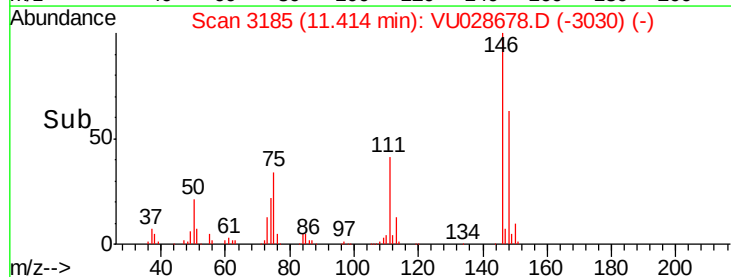
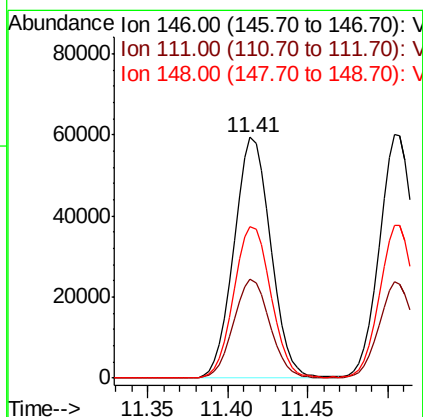
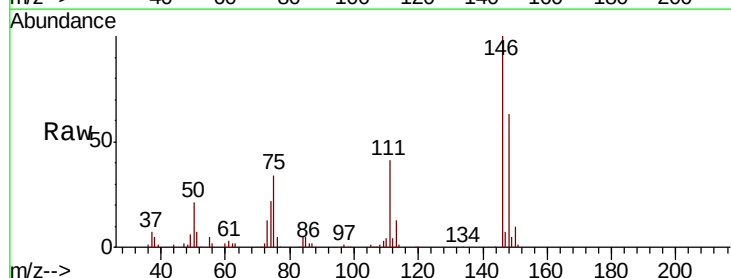
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

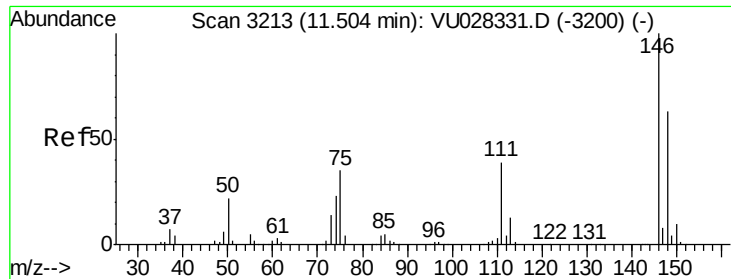
Tot Ion:119 Resp: 181003
 Ion Ratio Lower Upper
 119 100
 134 26.4 20.3 30.5
 91 25.4 20.0 30.0



#82
 1,3-Dichlorobenzene
 Concen: 11.357 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion:146 Resp: 92927
 Ion Ratio Lower Upper
 146 100
 111 40.6 33.4 50.2
 148 63.7 51.2 76.8

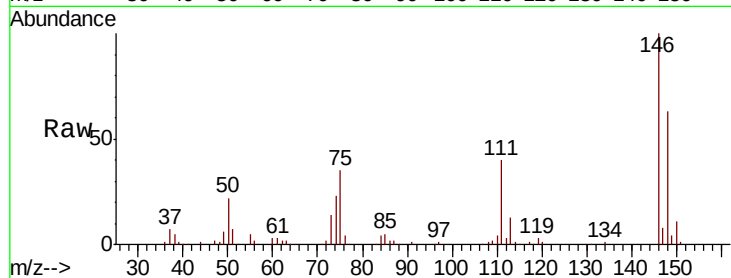




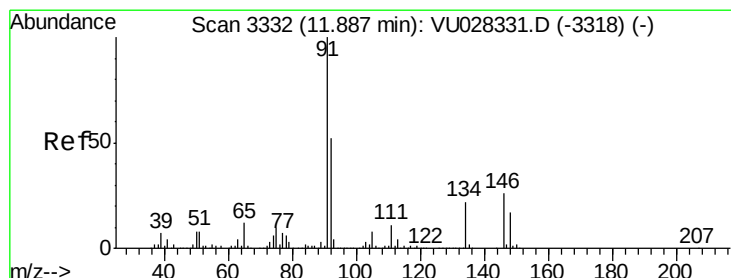
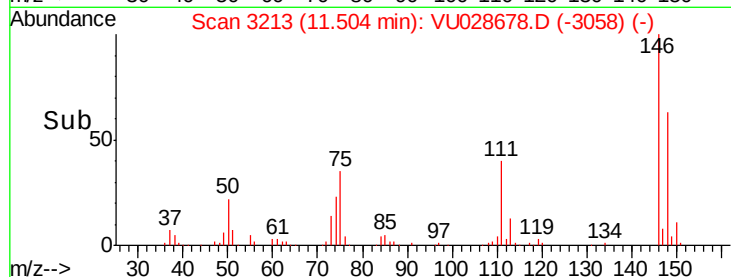
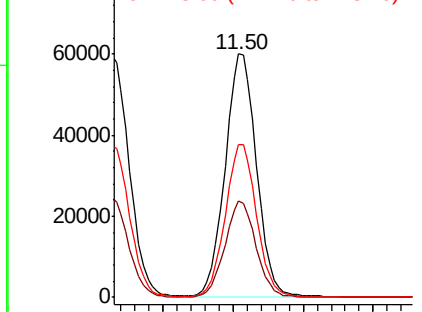
#83
 1,4-Dichlorobenzene
 Concen: 11.429 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 93078
 Ion Ratio Lower Upper
 146 100
 111 39.4 31.4 47.2
 148 62.3 50.7 76.1

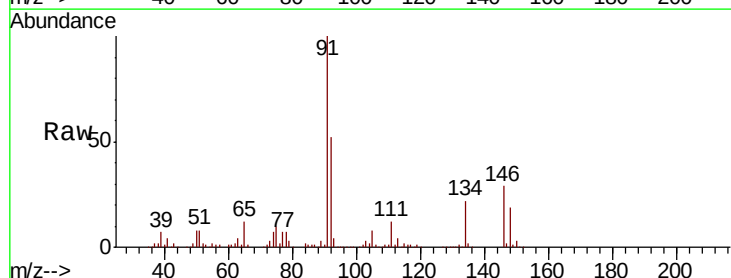


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

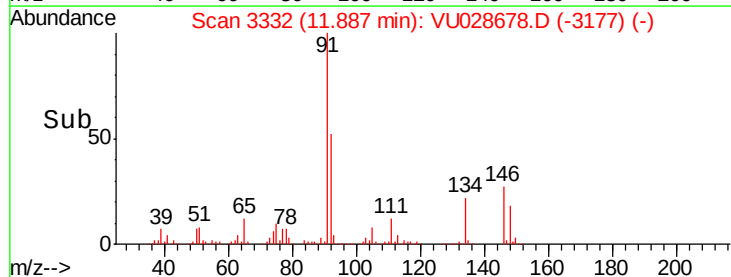
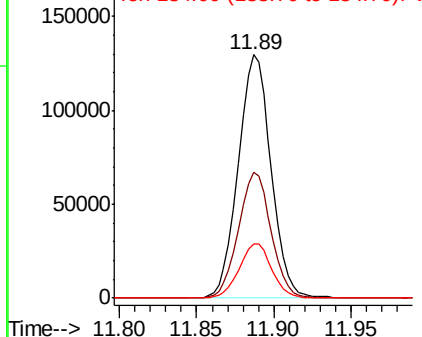


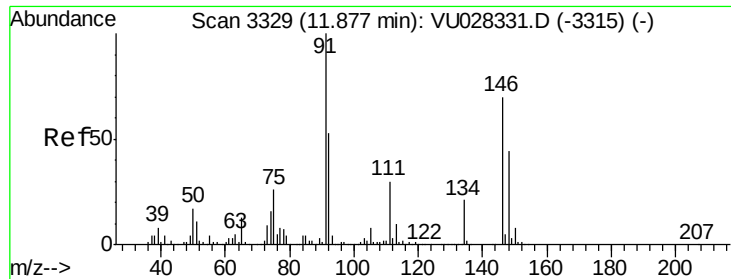
#84
 n-Butylbenzene
 Concen: 11.256 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion: 91 Resp: 190898
 Ion Ratio Lower Upper
 91 100
 92 51.5 41.6 62.4
 134 22.2 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

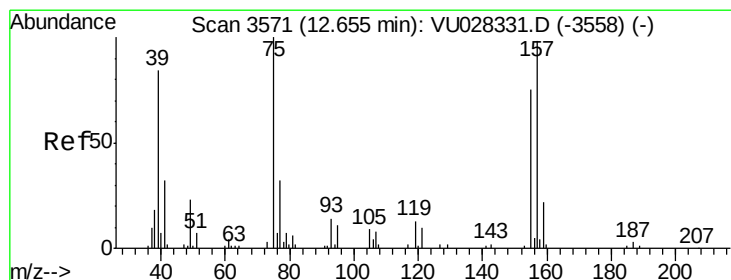
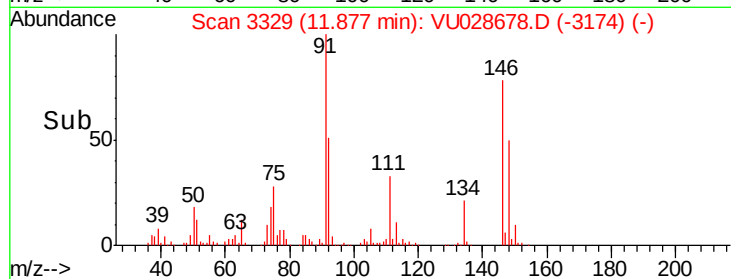
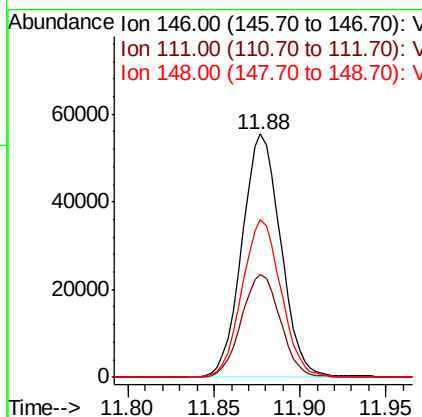
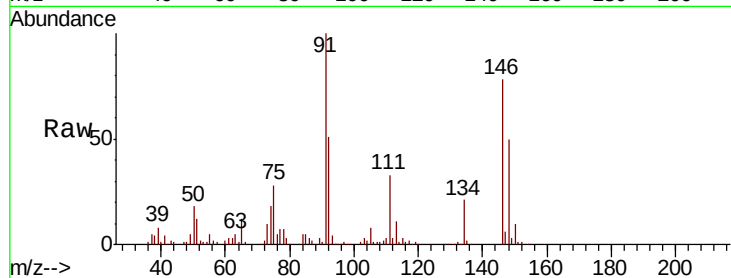




#85
 1,2-Dichlorobenzene
 Concen: 11.163 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

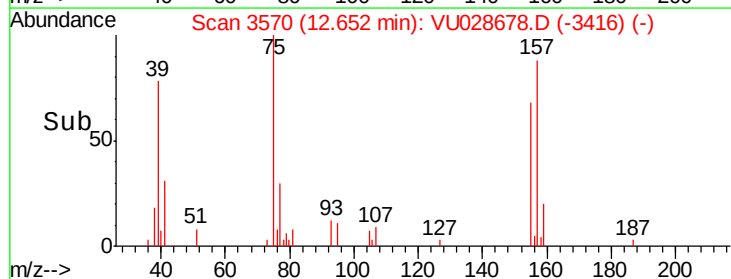
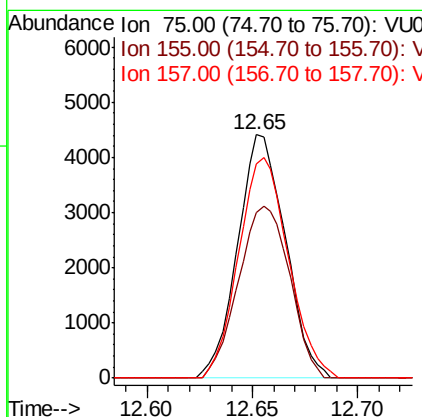
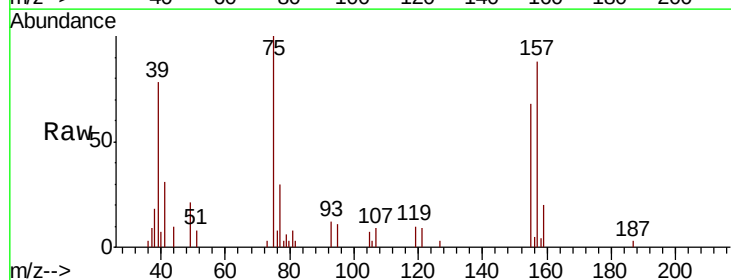
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

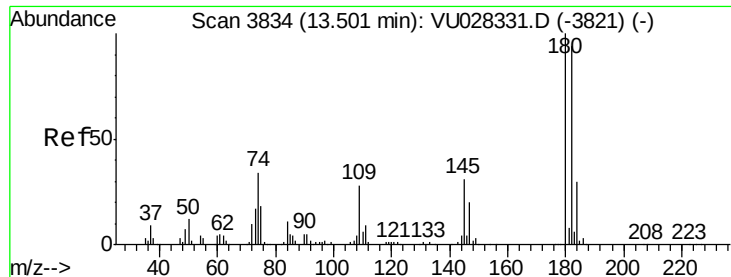
Tot Ion:146 Resp: 86939
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.4 64.3
 148 65.5 31.4 94.2



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.224 ug/l
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion: 75 Resp: 6940
 Ion Ratio Lower Upper
 75 100
 155 75.6 57.0 85.4
 157 94.6 75.4 113.2

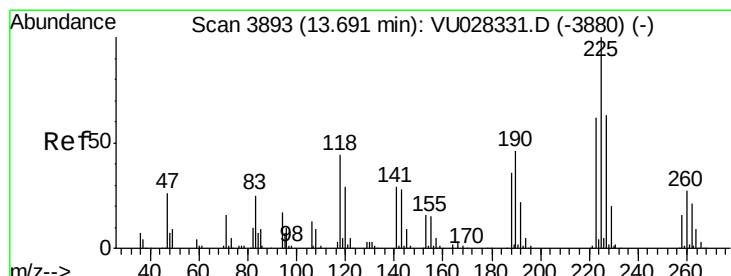
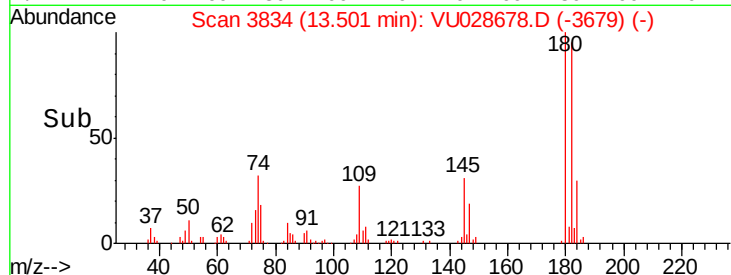
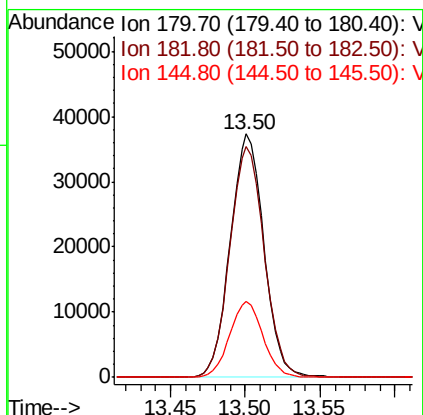
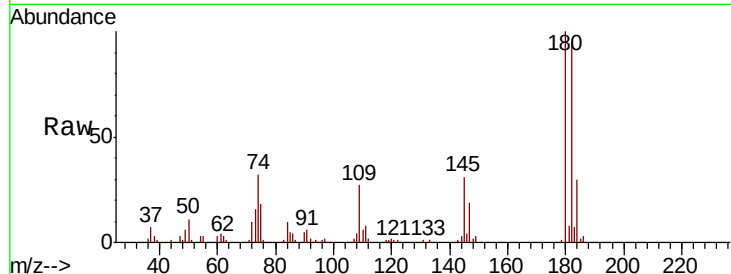




#87
 1,2,4-Trichlorobenzene
 Concen: 10.696 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

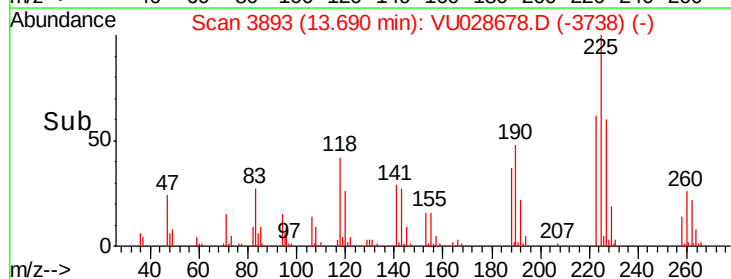
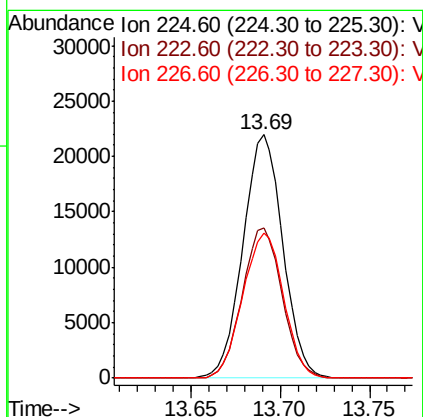
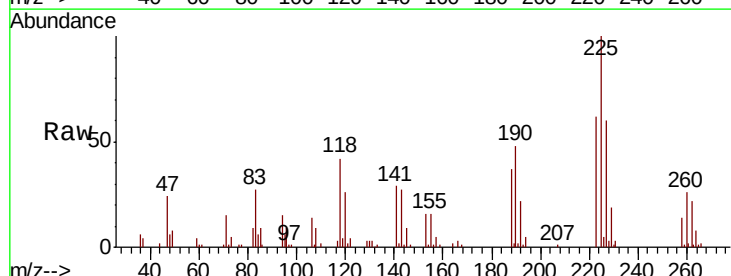
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

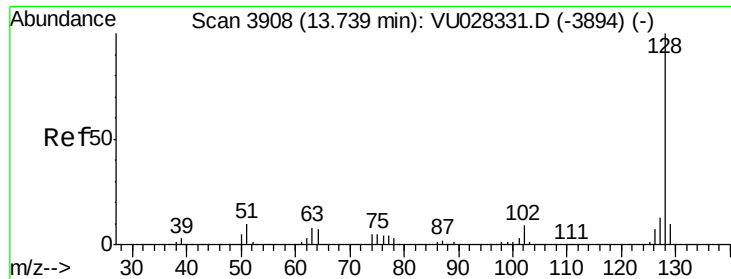
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.6	113.4
145	30.8	24.4	36.6



#88
 Hexachlorobutadiene
 Concen: 11.555 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.6	76.0
227	60.9	50.8	76.2





#89

Naphthalene

Concen: 10.803 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

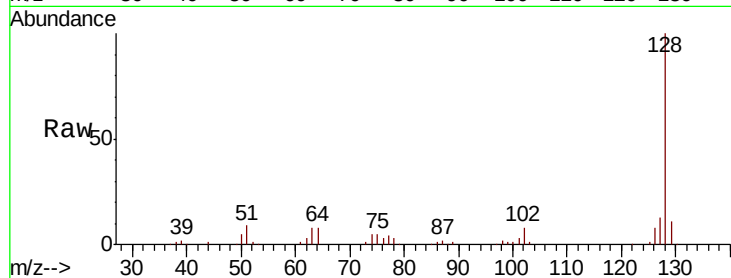
Tot Ion:128 Resp: 116883

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

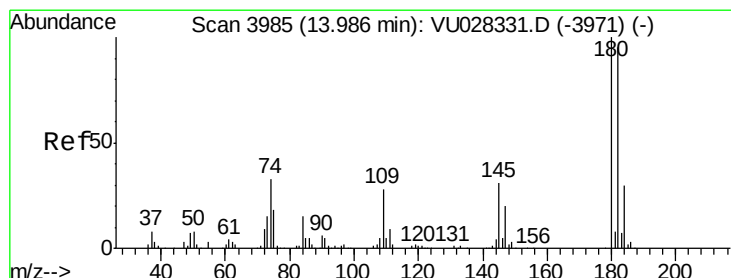
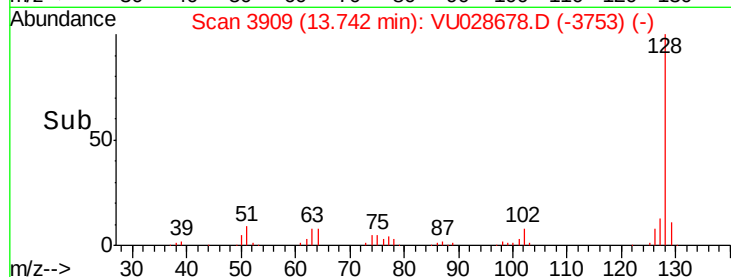
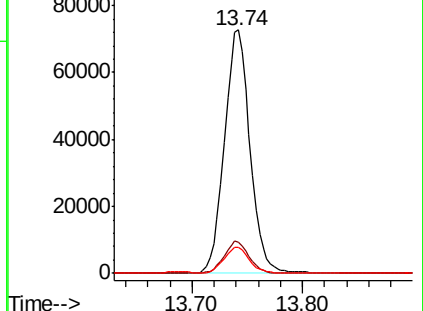
129 10.7 8.2 12.4



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: 10.843 ug/l

RT: 13.98 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

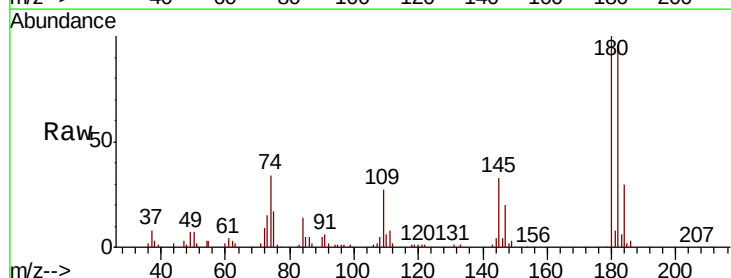
Tgt Ion:180 Resp: 55976

Ion Ratio Lower Upper

180 100

182 96.2 76.1 114.1

145 32.3 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

