

Data File : VU023530.D

Acq On : 30 Apr 2018 16:21

Operator : MD/SY

Sample : VSTDIC005

Misc : 25.0mL/MSVOA_U/WATER

ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Quant Time: May 01 04:34:04 2018

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\524U043018DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Tue May 01 04:31:20 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	52926	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	17310	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	16591	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	86032	5.14	ug/l	100
3) Chloromethane	1.33	50	94643	4.47	ug/l	100
4) Vinyl Chloride	1.40	62	95003	4.94	ug/l	100
5) Bromomethane	1.63	94	49895	3.97	ug/l	100
6) Chloroethane	1.70	64	51967	4.71	ug/l	99
7) Trichlorofluoromethane	1.89	101	111426	5.12	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	67753	5.22	ug/l	99
9) 1,1-Dichloroethene	2.29	96	62750	4.83	ug/l	99
10) Iodomethane	2.42	142	78220	5.37	ug/l	100
11) Allyl Chloride	2.60	41	114668	5.53	ug/l	99
12) Acrylonitrile	2.95	53	24773	8.41	ug/l	95
13) Acetone	2.35	43	51292	21.87	ug/l	98
14) Carbon Disulfide	2.48	76	201495	4.94	ug/l	100
15) Methylene Chloride	2.71	84	66654	4.24	ug/l	98
16) trans-1,2-Dichloroethene	2.99	96	66033	4.70	ug/l	99
17) 1,1-Dichloroethane	3.45	63	131364	5.00	ug/l	100
18) 2-Butanone	4.30	43	87296	24.34	ug/l	99
19) Cyclohexane	4.99	56	113078	5.97	ug/l	98
20) Methylcyclohexane	6.41	83	116032	5.29	ug/l	98
21) 2,2-Dichloropropane	4.23	77	104043	5.41	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	70857	4.53	ug/l	98
23) Diethyl Ether	2.11	59	51161	4.82	ug/l	99
24) tert-Butyl Alcohol	2.89	59	37294	36.11	ug/l	99
25) Methyl tert-Butyl Ether	3.01	73	155474	4.73	ug/l	99
26) Bromochloromethane	4.55	128	28372	4.14	ug/l	99
27) Chloroform	4.68	83	123612	4.72	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	101342	5.04	ug/l	100
29) 1,1-Dichloropropene	5.13	75	99529	5.02	ug/l	99
30) Carbon Tetrachloride	5.13	117	85670	5.08	ug/l	99
31) Isopropyl Ether	3.58	45	218793	5.46	ug/l	98
32) Ethyl-t-butyl ether	4.08	59	186010	5.15	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	158786	5.07	ug/l	100
34) Propionitrile	4.36	54	24575	22.65	ug/l	96
35) Benzene	5.39	78	308638	5.14	ug/l	99
36) 1,2-Dichloroethane	5.41	62	83390	5.24	ug/l	100
37) Trichloroethene	6.19	130	78286	4.89	ug/l	99
38) 1,2-Dichloropropane	6.44	63	81492	5.34	ug/l	97
39) Methacrylonitrile	4.56	41	24631	5.47	ug/l	98
40) Methyl acrylate	4.44	55	34467	5.06	ug/l #	98
41) Tetrahydrofuran	4.67	42	23877	9.51	ug/l	99
42) 1-Chlorobutane	5.07	56	143978	5.39	ug/l	99

Data File : VU023530.D

Acq On : 30 Apr 2018 16:21

Operator : MD/SY

Sample : VSTDIC005

Misc : 25.0mL/MSVOA_U/WATER

ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Quant Time: May 01 04:34:04 2018

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\524U043018DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Tue May 01 04:31:20 2018

Response via : Initial Calibration

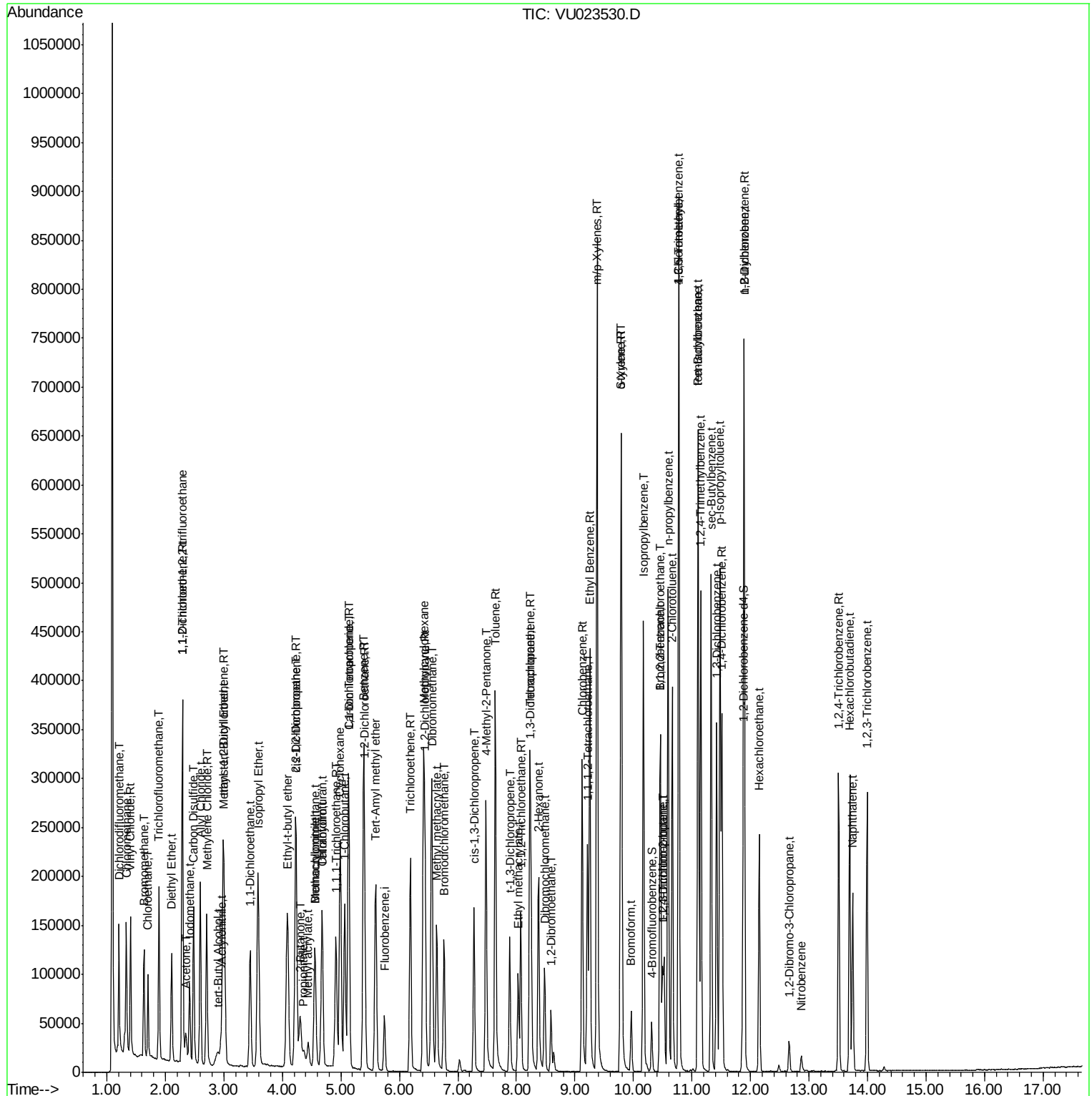
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	34633	4.79	ug/l	99
44) Bromodichloromethane	6.76	83	88302	5.22	ug/l	99
45) 4-Methyl-2-Pentanone	7.48	43	209522	25.16	ug/l	98
46) t-1,4-Dichloro-2-butene	10.50	75	68895	26.53	ug/l #	40
47) Methyl methacrylate	6.64	69	63481	9.25	ug/l	99
48) Ethyl methacrylate	8.03	69	55302	4.53	ug/l	100
49) Toluene	7.64	92	175360	4.99	ug/l	98
50) t-1,3-Dichloropropene	7.89	75	75786	5.21	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	99118	5.29	ug/l	100
52) 1,1,2-Trichloroethane	8.07	97	49410	4.69	ug/l	98
53) 1,3-Dichloropropane	8.25	76	88548	4.89	ug/l	100
54) 2-Hexanone	8.38	43	144439	25.43	ug/l	99
55) Dibromochloromethane	8.48	129	53111	4.90	ug/l	97
56) 1,2-Dibromoethane	8.59	107	42275	4.56	ug/l	98
58) Tetrachloroethene	8.23	164	74527	5.23	ug/l	98
59) Chlorobenzene	9.12	112	185063	4.80	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	61252	4.72	ug/l	99
61) Pentachloroethane	11.10	117	44041	4.68	ug/l	94
62) Hexachloroethane	12.15	117	42889	5.07	ug/l	96
63) Ethyl Benzene	9.25	91	311157	4.90	ug/l	100
64) m/p-Xylenes	9.38	106	246249	10.02	ug/l	98
65) o-Xylene	9.78	106	117574	4.85	ug/l	99
66) Styrene	9.80	104	198271	4.95	ug/l	99
67) Bromoform	9.96	173	28866	4.89	ug/l	100
69) Isopropylbenzene	10.17	105	302023	4.99	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	55774	4.42	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	68895	7.40	ug/l #	76
72) Bromobenzene	10.45	156	73332	4.51	ug/l	97
73) n-propylbenzene	10.59	120	85021	5.00	ug/l	99
74) 2-Chlorotoluene	10.66	126	74418	4.84	ug/l	98
75) 1,3,5-Trimethylbenzene	10.78	105	265657	5.11	ug/l	100
76) 4-Chlorotoluene	10.78	126	77238	4.85	ug/l	99
77) tert-Butylbenzene	11.10	119	238692	4.85	ug/l	100
78) 1,2,4-Trimethylbenzene	11.15	105	266281	5.01	ug/l	99
79) sec-Butylbenzene	11.33	105	342599	5.15	ug/l	99
80) Nitrobenzene	12.87	77	10229	35.78	ug/l	99
81) p-Isopropyltoluene	11.48	119	282610	5.08	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	147400	4.66	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	147897	4.63	ug/l	98
84) n-Butylbenzene	11.89	91	274691	5.21	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	134014	4.54	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	7904	4.67	ug/l	98
87) 1,2,4-Trichlorobenzene	13.51	180	94919	4.57	ug/l	100
88) Hexachlorobutadiene	13.70	225	57869	5.06	ug/l	99
89) Naphthalene	13.75	128	146729	4.47	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	90062	4.58	ug/l	99

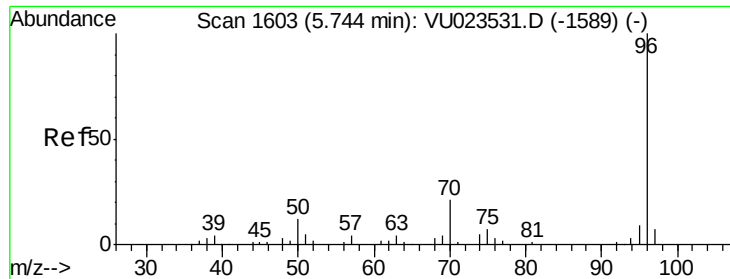
(#)= qualifier out of range (m)= manual integration (+)= signals summed

ALS Vial : 5 Sample Multiplier: 1

VSTDICC005

Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 52926

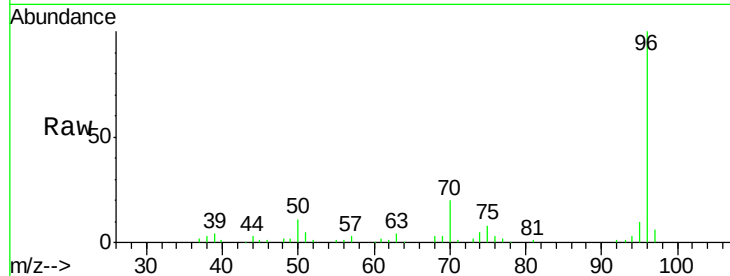
Ion Ratio Lower Upper

96 100

70 20.6 16.2 24.4

95 9.7 6.9 10.3

97 6.5 0.0 0.0#

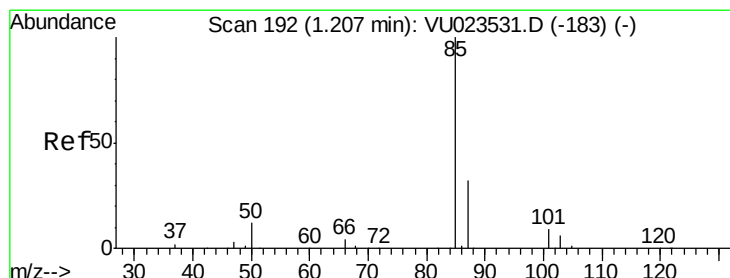
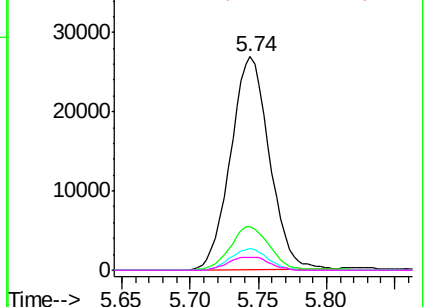
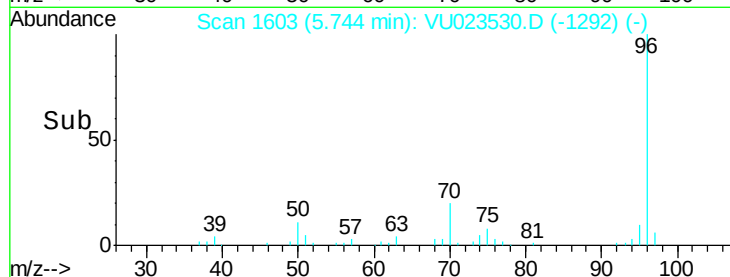


Abundance Ion 96.00 (95.70 to 96.70): VU0

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: 5.14 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU023530.D

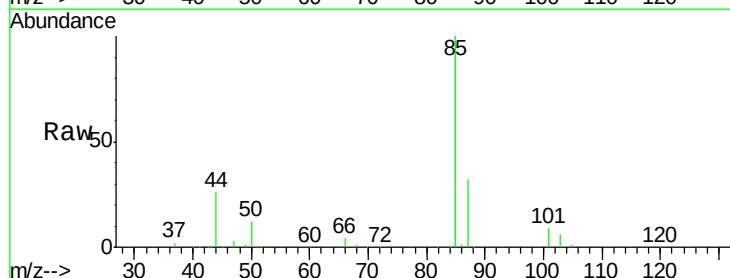
Acq: 30 Apr 2018 16:21

Tgt Ion: 85 Resp: 86032

Ion Ratio Lower Upper

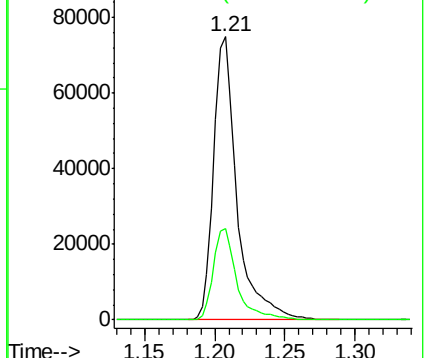
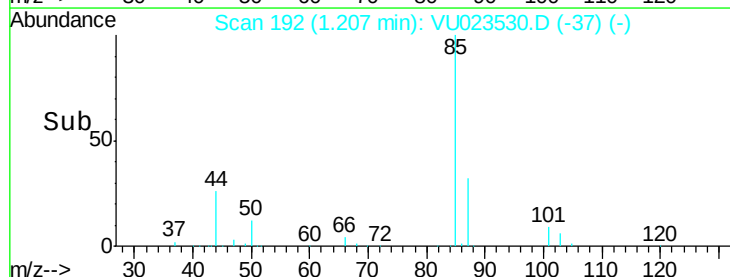
85 100

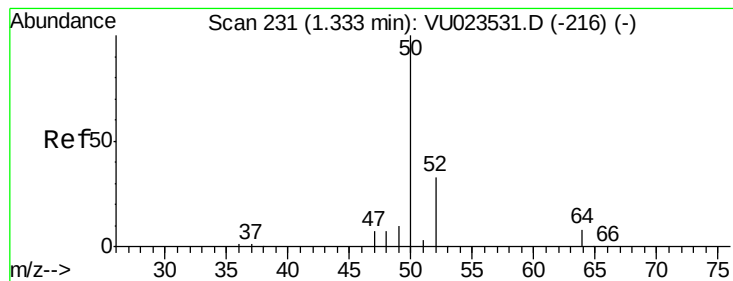
87 32.5 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 4.47 ug/l

RT: 1.33 min Scan# 231

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

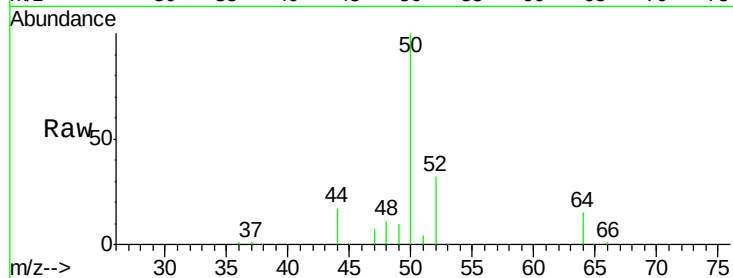
VSTDIC005

Tgt Ion: 50 Resp: 94643

Ion Ratio Lower Upper

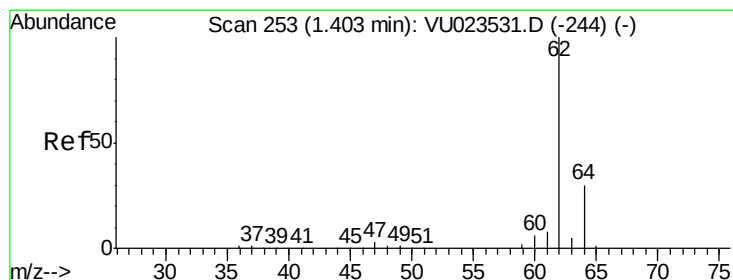
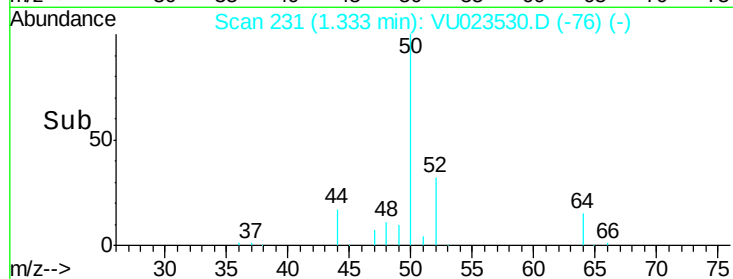
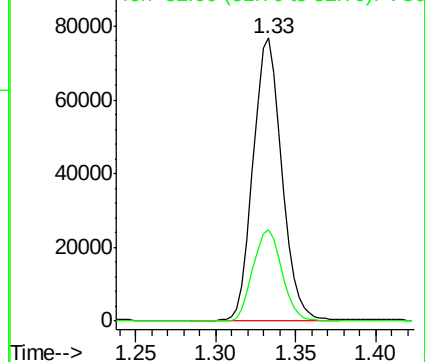
50 100

52 32.3 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 4.94 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023530.D

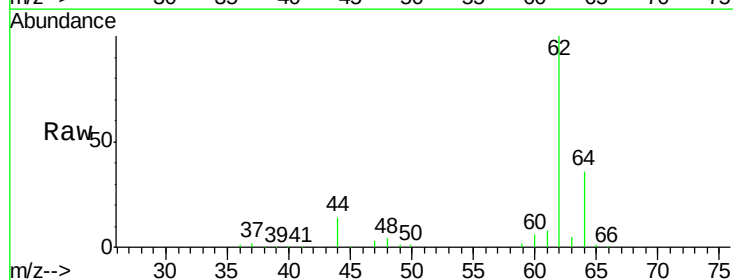
Acq: 30 Apr 2018 16:21

Tgt Ion: 62 Resp: 95003

Ion Ratio Lower Upper

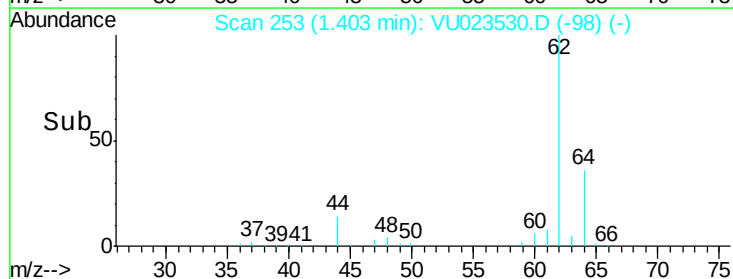
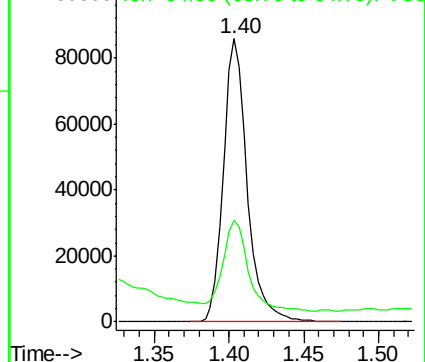
62 100

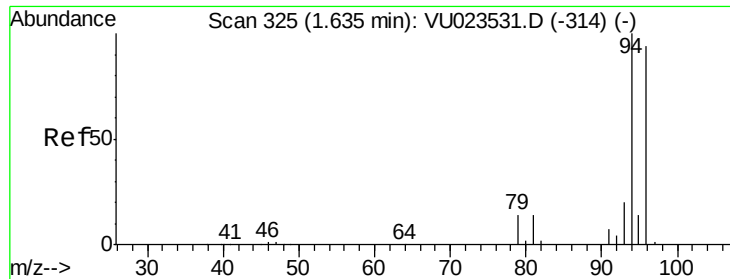
64 32.0 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

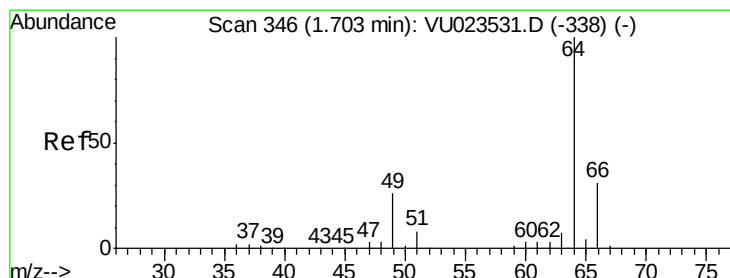
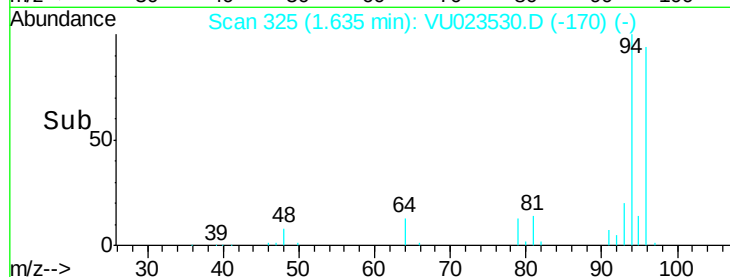
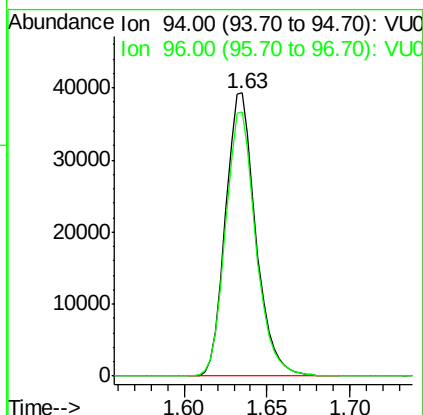
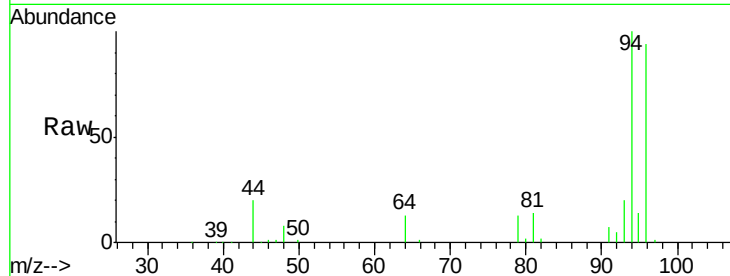




#5
Bromomethane
Concen: 3.97 ug/l
RT: 1.63 min Scan# 325
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

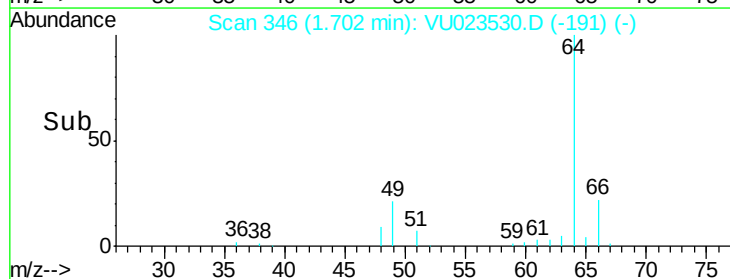
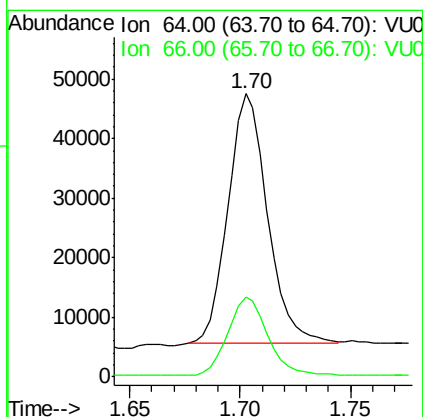
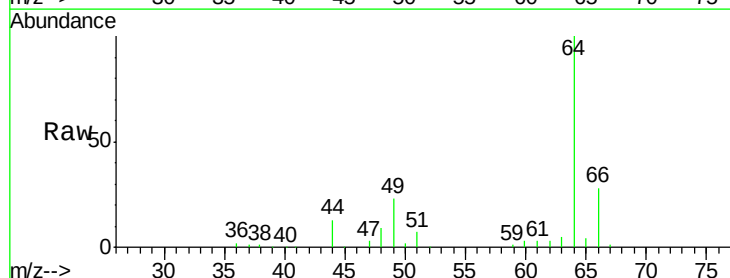
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

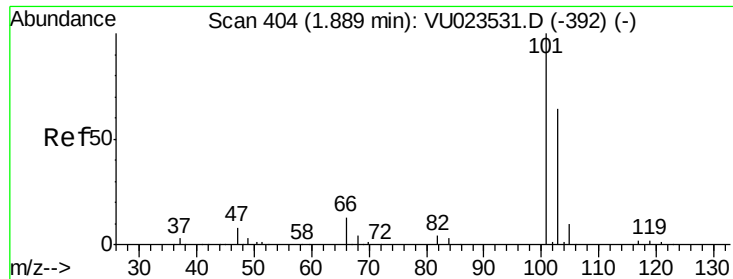
Tgt Ion: 94 Resp: 49895
Ion Ratio Lower Upper
94 100
96 93.5 75.1 112.7



#6
Chloroethane
Concen: 4.71 ug/l
RT: 1.70 min Scan# 346
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion: 64 Resp: 51967
Ion Ratio Lower Upper
64 100
66 31.4 24.9 37.3





#7

Trichlorofluoromethane

Concen: 5.12 ug/l

RT: 1.89 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

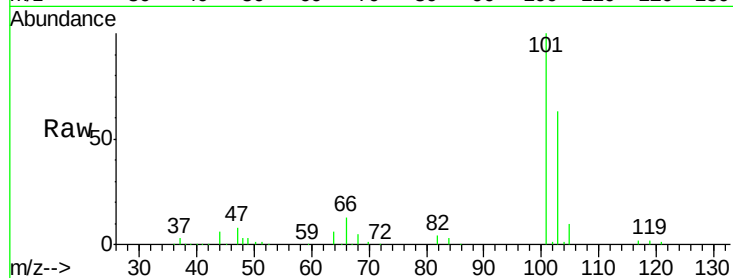
VSTDIC005

Tgt Ion:101 Resp: 111426

Ion Ratio Lower Upper

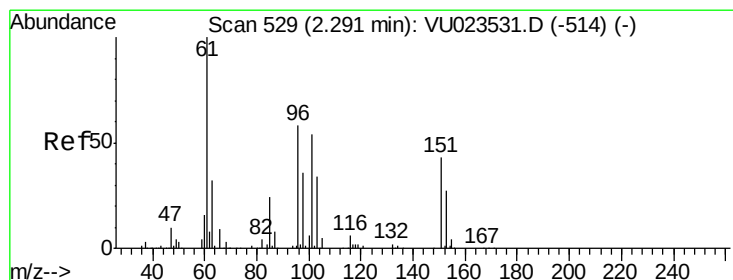
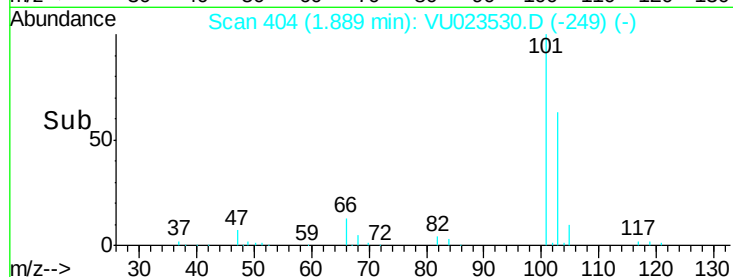
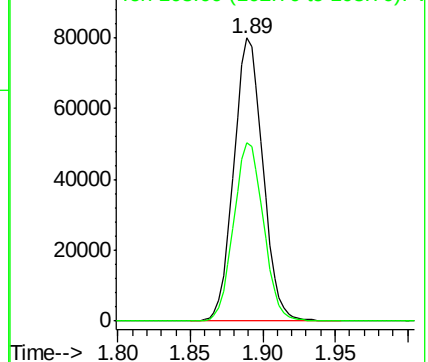
101 100

103 63.1 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: 5.22 ug/l

RT: 2.29 min Scan# 529

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

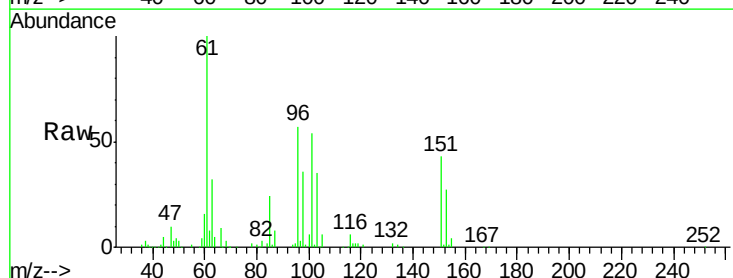
Tgt Ion:101 Resp: 67753

Ion Ratio Lower Upper

101 100

85 44.9 35.2 52.8

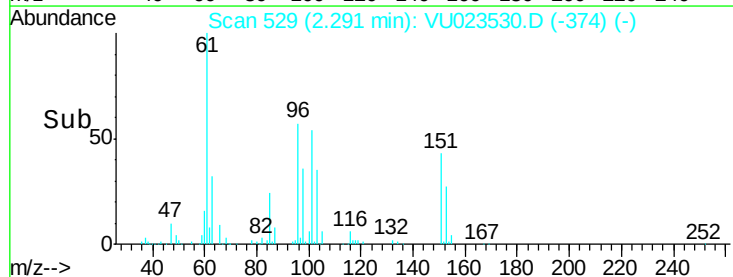
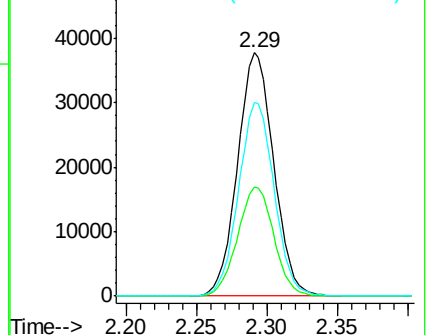
151 78.4 63.5 95.3

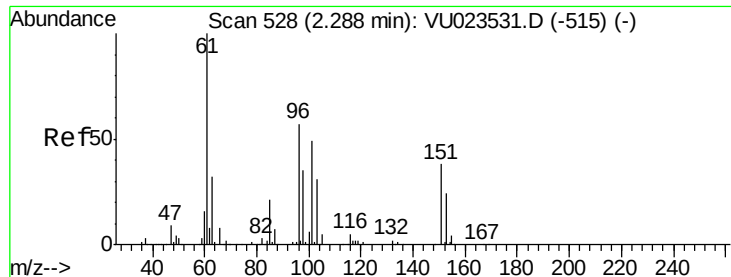


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 4.83 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

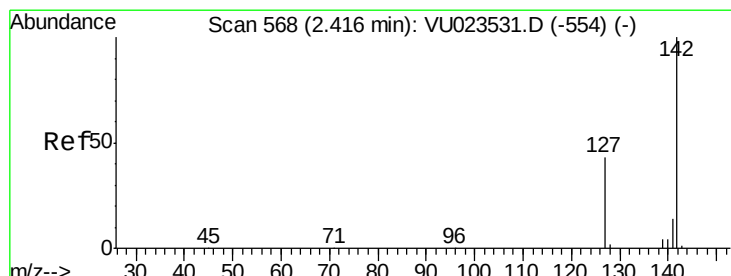
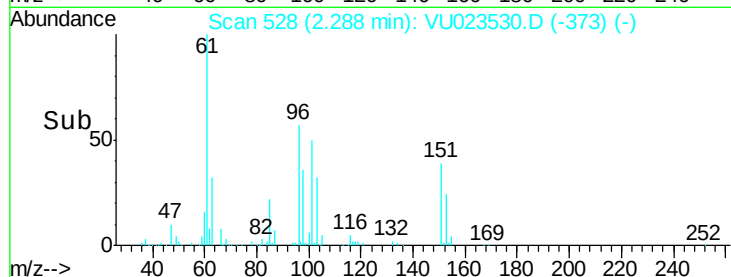
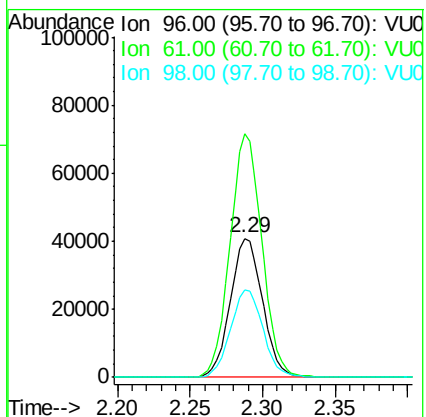
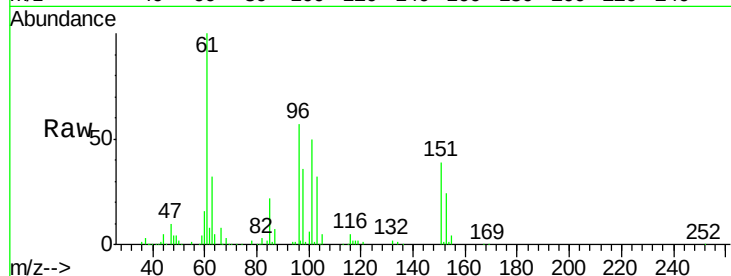
Tgt Ion: 96 Resp: 62750

Ion Ratio Lower Upper

96 100

61 174.8 0.0 526.5

98 62.5 0.0 123.4



#10

Iodomethane

Concen: 5.37 ug/l

RT: 2.42 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU023530.D

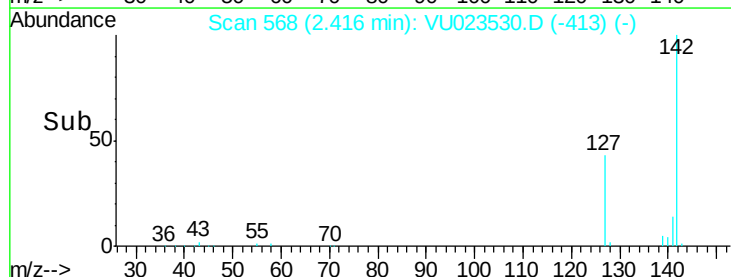
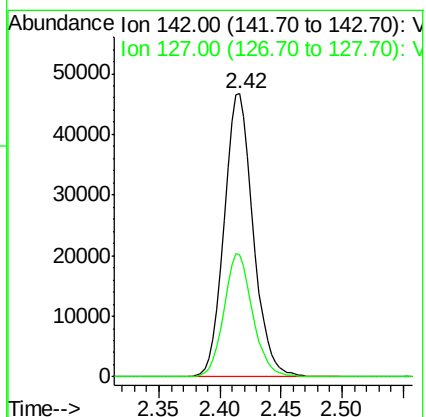
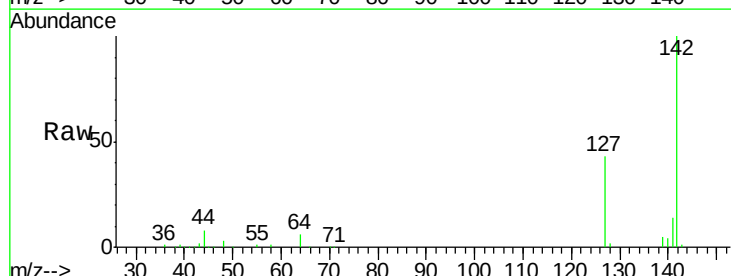
Acq: 30 Apr 2018 16:21

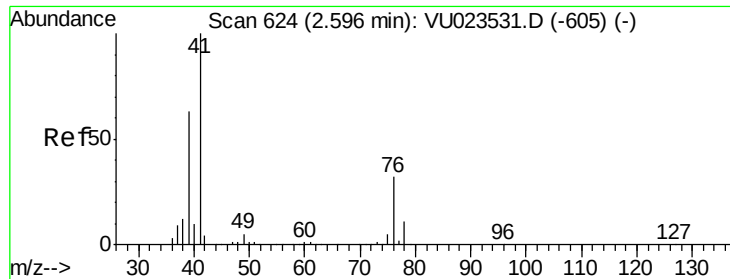
Tgt Ion: 142 Resp: 78220

Ion Ratio Lower Upper

142 100

127 42.8 34.5 51.7

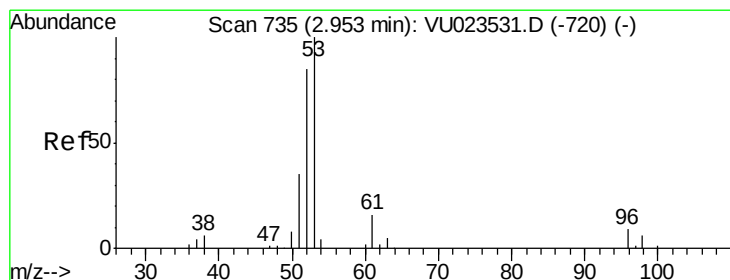
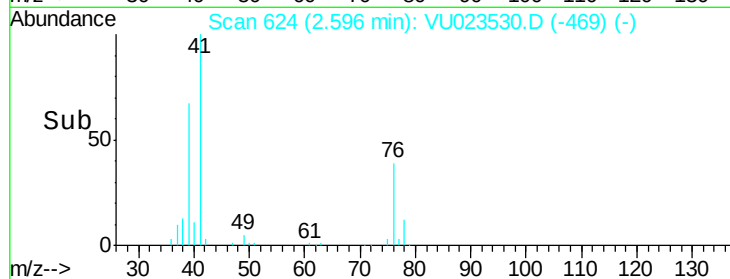
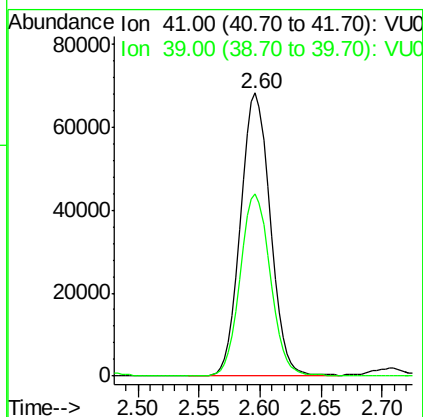
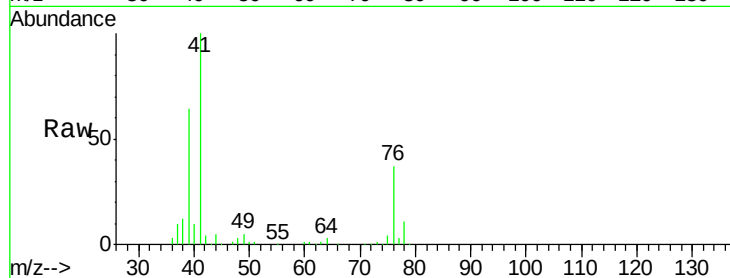




#11
 Allyl Chloride
 Concen: 5.53 ug/l
 RT: 2.60 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

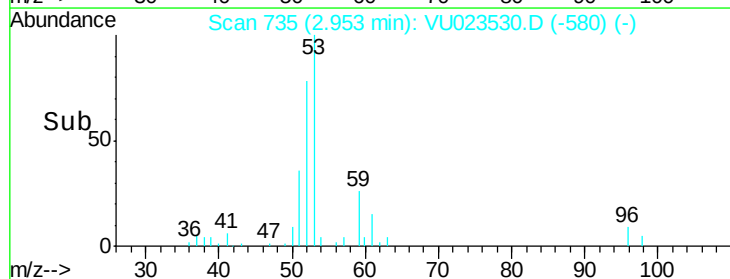
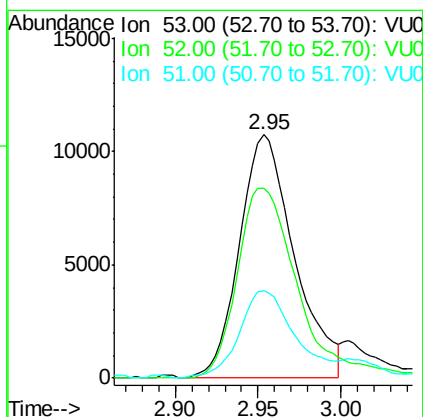
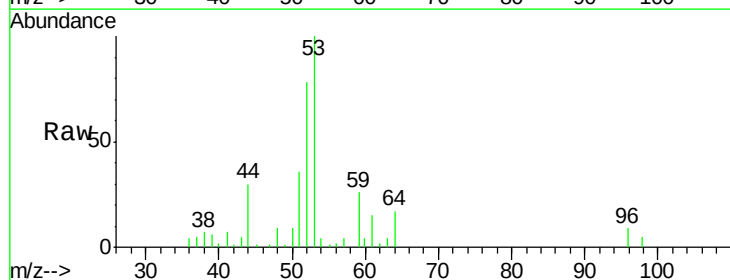
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

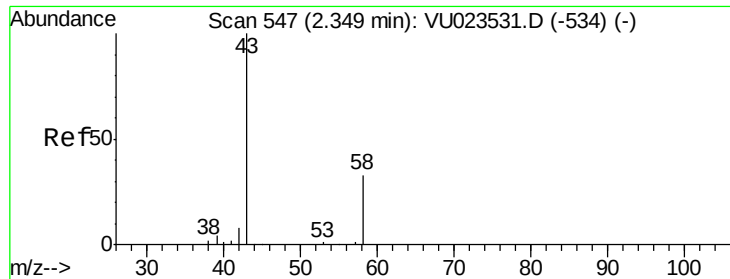
Tgt Ion: 41 Resp: 114668
 Ion Ratio Lower Upper
 41 100
 39 64.8 51.4 77.2



#12
 Acrylonitrile
 Concen: 8.41 ug/l
 RT: 2.95 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion: 53 Resp: 24773
 Ion Ratio Lower Upper
 53 100
 52 86.8 65.1 97.7
 51 36.3 30.2 45.4





#13

Acetone

Concen: 21.87 ug/l

RT: 2.35 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

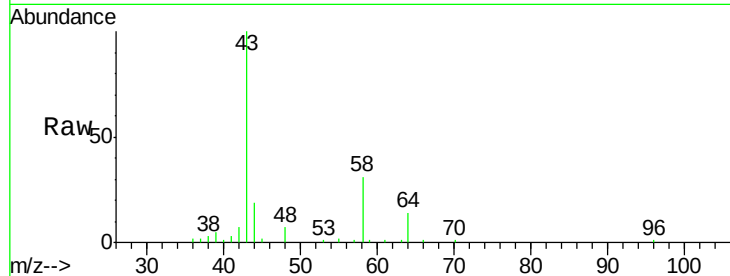
VSTDIC005

Tgt Ion: 43 Resp: 51292

Ion Ratio Lower Upper

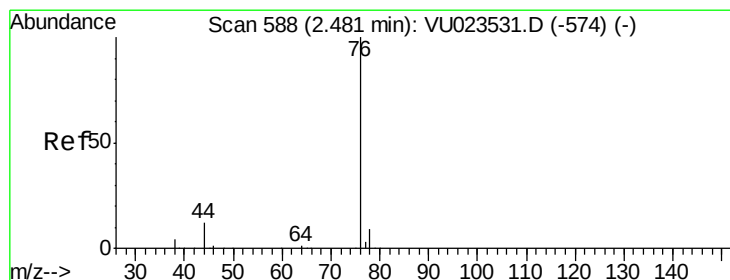
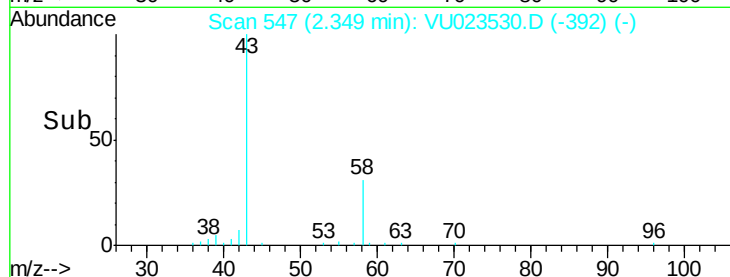
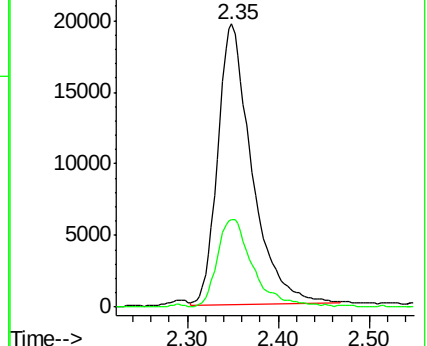
43 100

58 31.4 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 4.94 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU023530.D

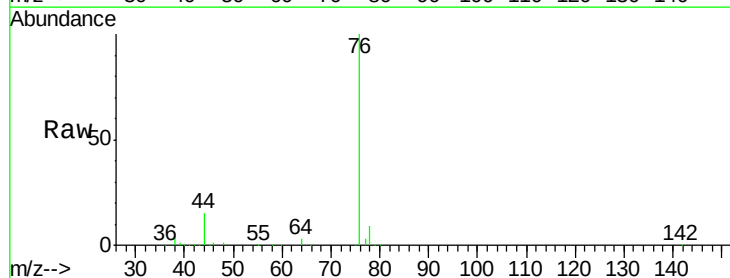
Acq: 30 Apr 2018 16:21

Tgt Ion: 76 Resp: 201495

Ion Ratio Lower Upper

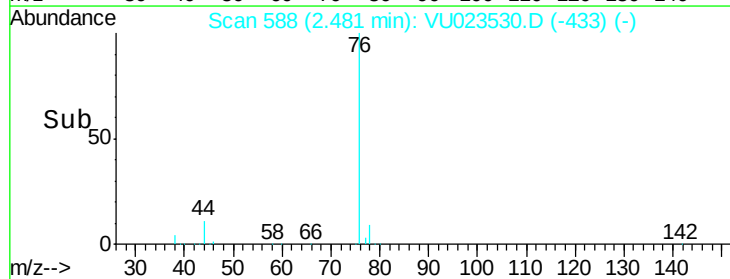
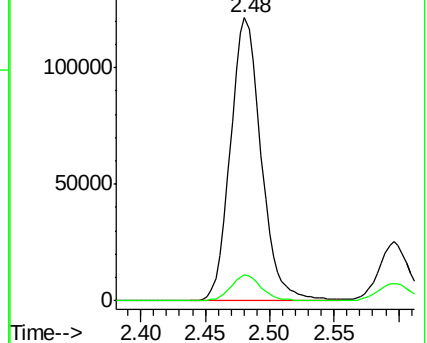
76 100

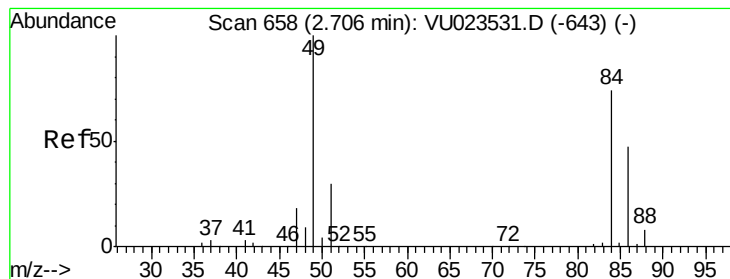
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methylene Chloride

Concen: 4.24 ug/l

RT: 2.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 84 Resp: 66654

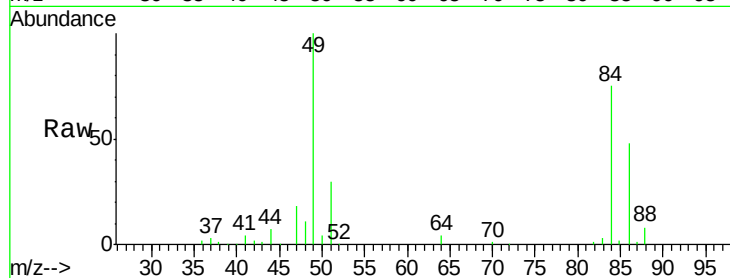
Ion Ratio Lower Upper

84 100

49 133.3 108.7 163.1

51 40.6 0.0 82.4

86 64.3 50.7 76.1

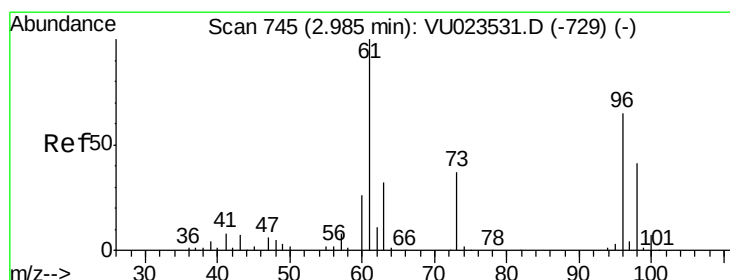
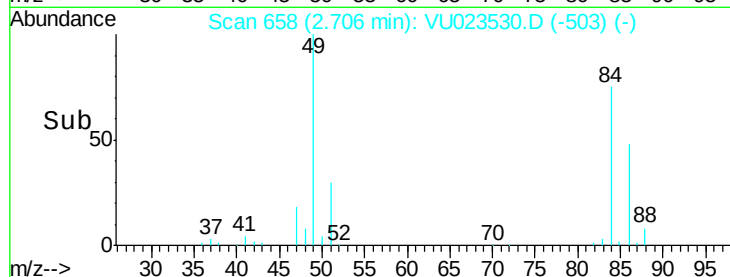
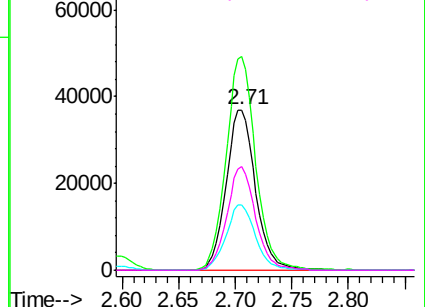


Abundance Ion 84.00 (83.70 to 84.70): VU0

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: 4.70 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

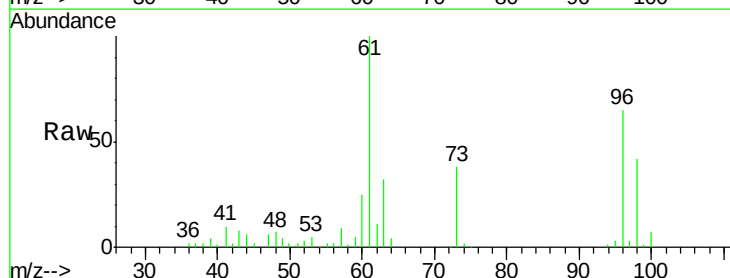
Tgt Ion: 96 Resp: 66033

Ion Ratio Lower Upper

96 100

61 154.7 123.9 185.9

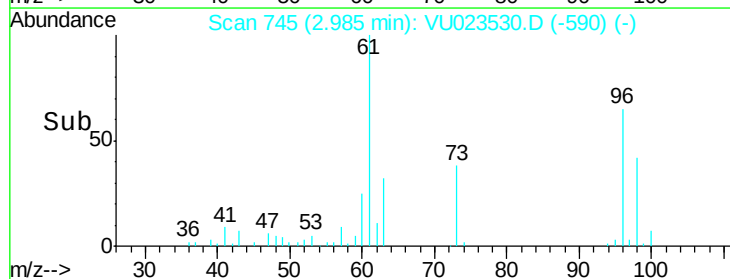
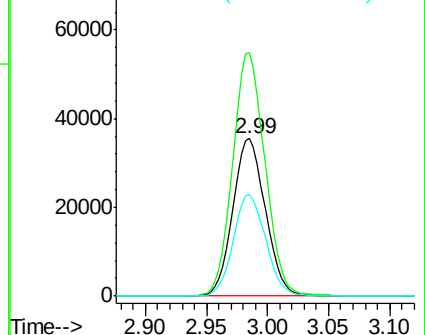
98 64.7 50.6 76.0

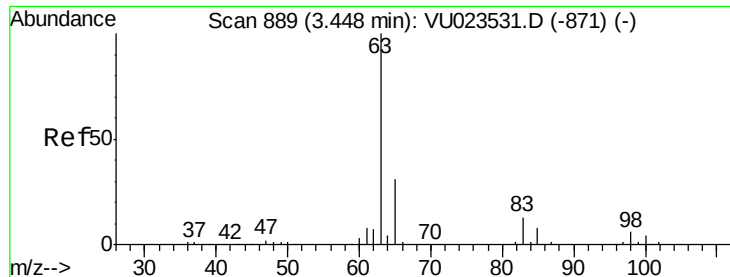


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

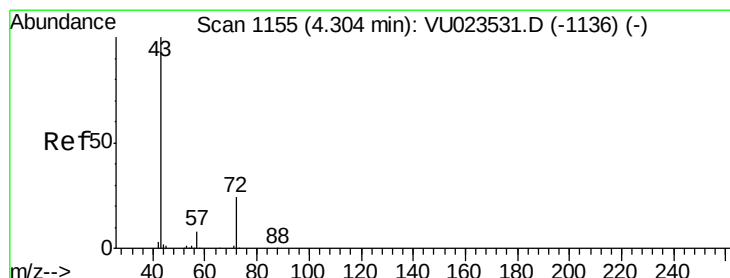
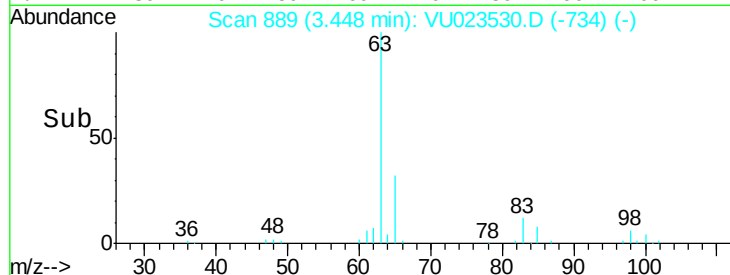
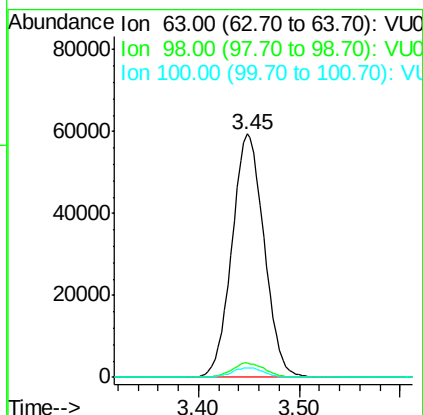
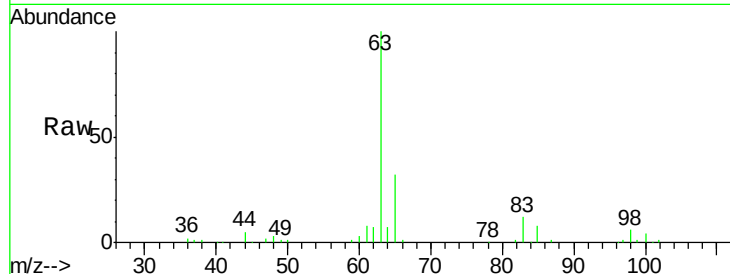




#17
 1,1-Dichloroethane
 Concen: 5.00 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

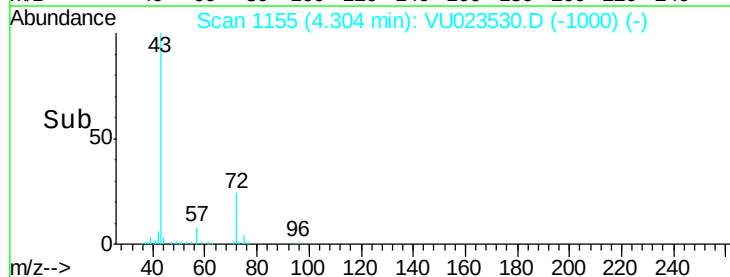
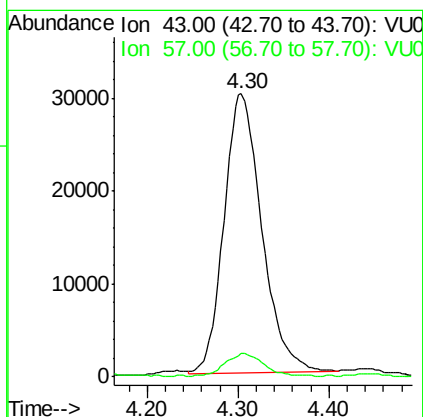
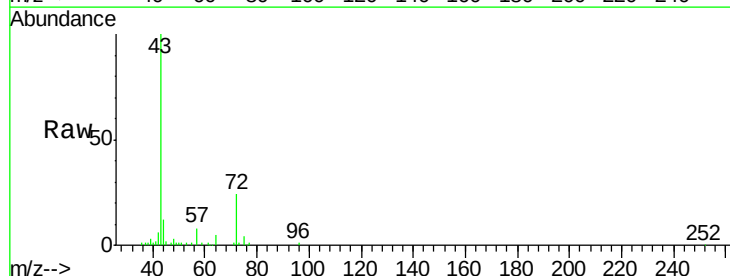
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

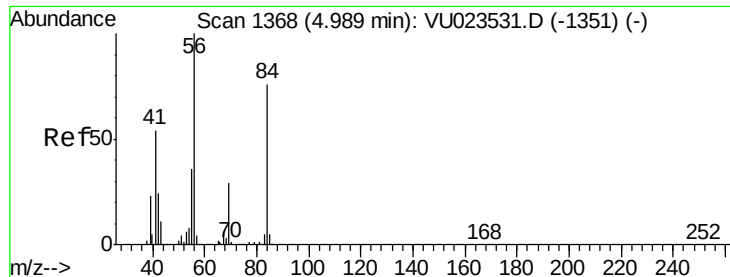
Tgt Ion:	63	Resp:	131364
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.9	8.8
100	4.1	2.0	5.8



#18
 2-Butanone
 Concen: 24.34 ug/l
 RT: 4.30 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion:	43	Resp:	87296
Ion	Ratio	Lower	Upper
43	100		
57	8.3	0.0	15.8

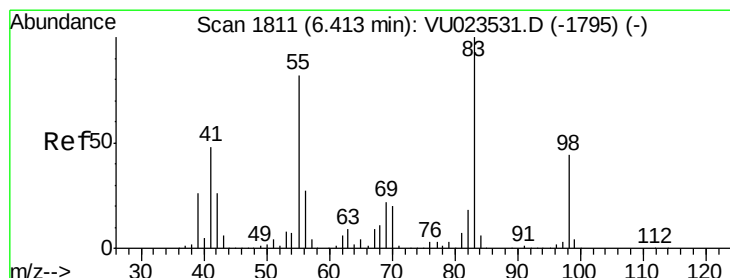
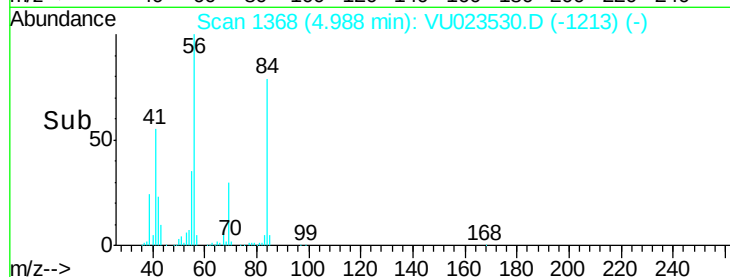
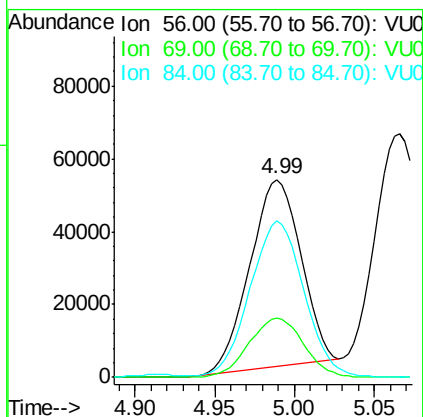
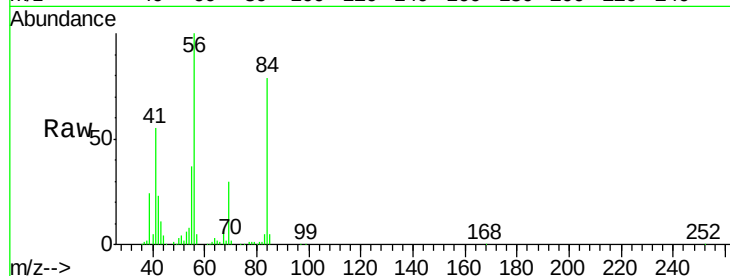




#19
Cyclohexane
Concen: 5.97 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

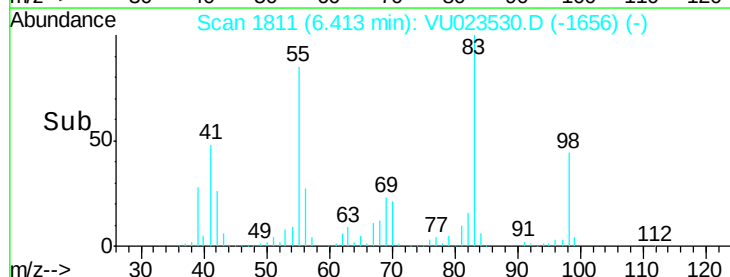
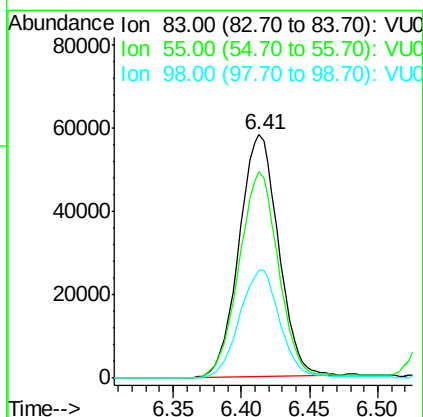
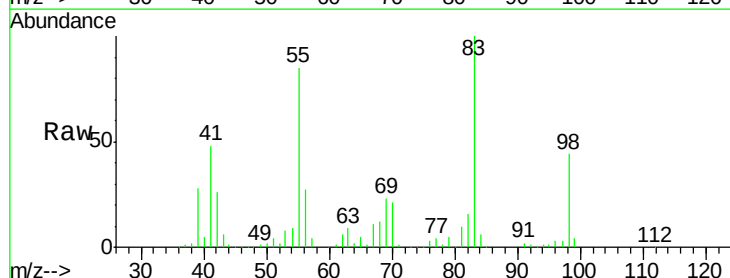
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

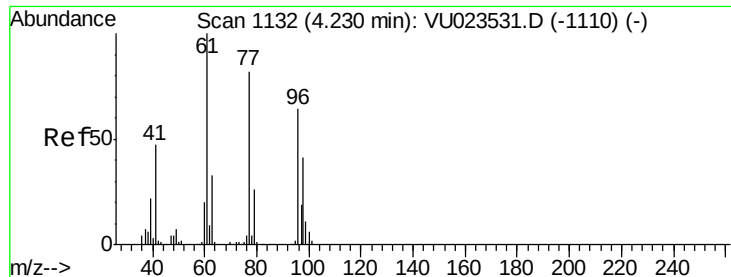
Tgt Ion: 56 Resp: 113078
Ion Ratio Lower Upper
56 100
69 33.9 26.0 39.0
84 87.2 68.3 102.5



#20
Methylcyclohexane
Concen: 5.29 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion: 83 Resp: 116032
Ion Ratio Lower Upper
83 100
55 85.2 66.4 99.6
98 45.1 35.4 53.2

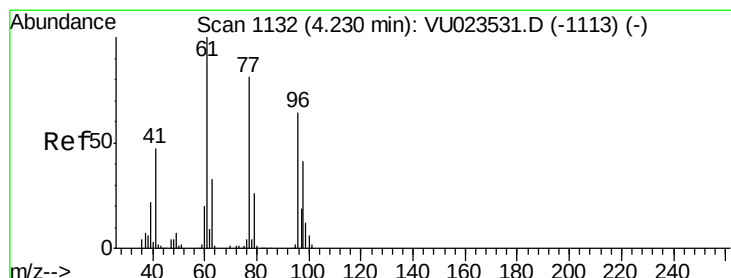
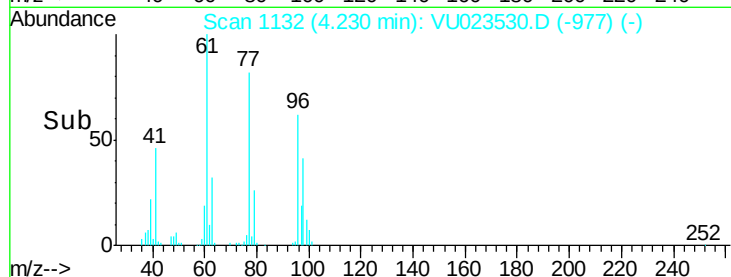
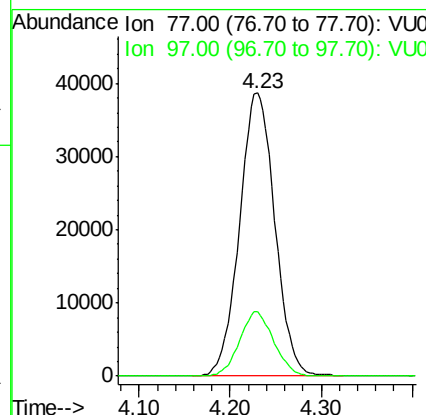
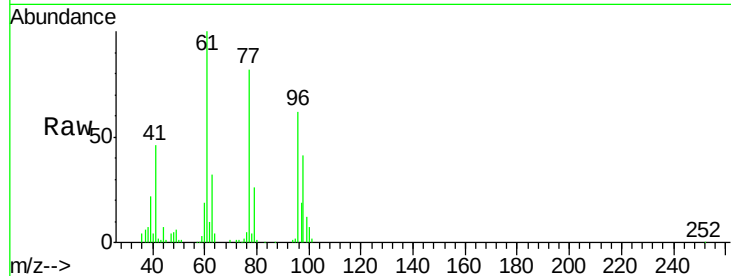




#21
 2,2-Dichloropropane
 Concen: 5.41 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

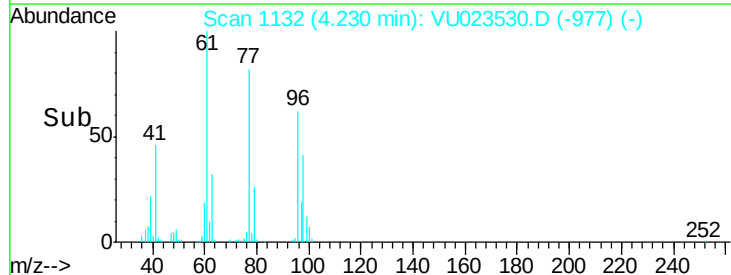
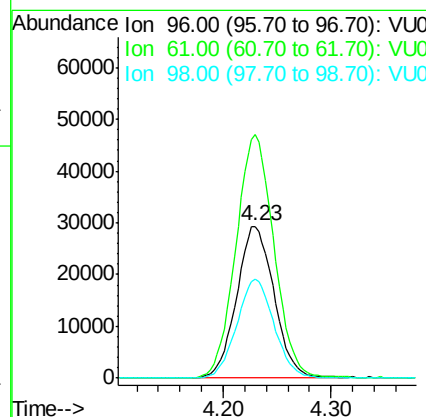
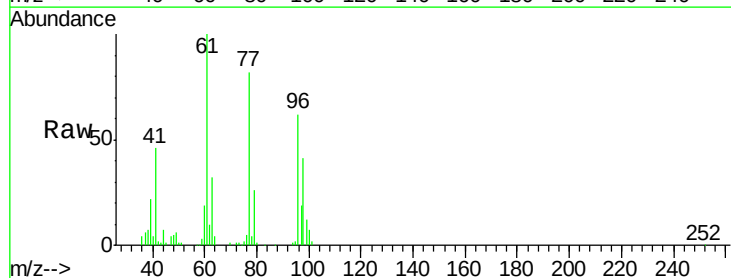
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

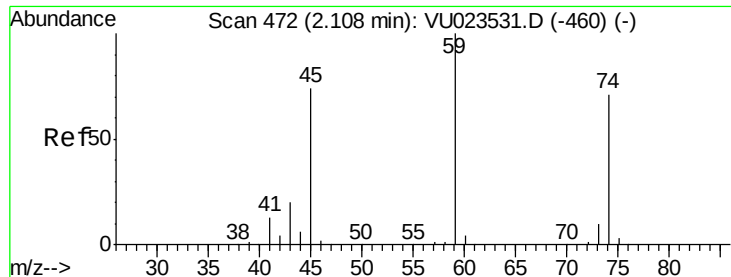
Tgt Ion: 77 Resp: 104043
 Ion Ratio Lower Upper
 77 100
 97 22.0 17.9 26.9



#22
 cis-1,2-Dichloroethene
 Concen: 4.53 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion: 96 Resp: 70857
 Ion Ratio Lower Upper
 96 100
 61 162.8 0.0 400.5
 98 65.0 32.2 96.6

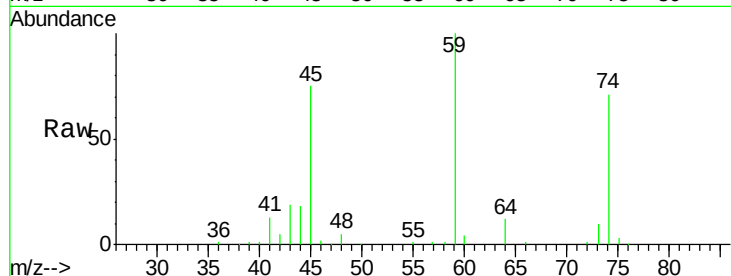




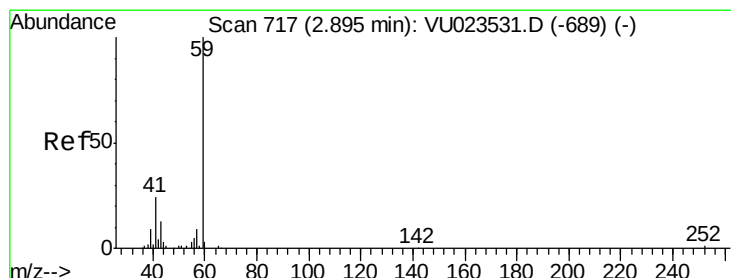
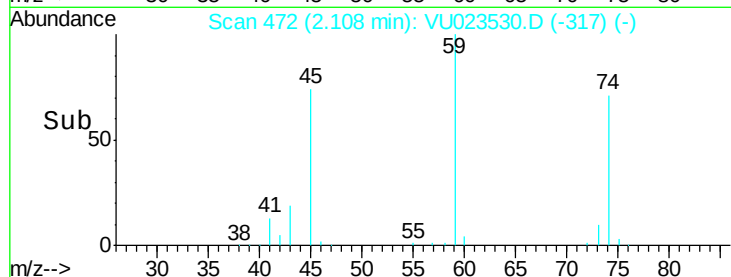
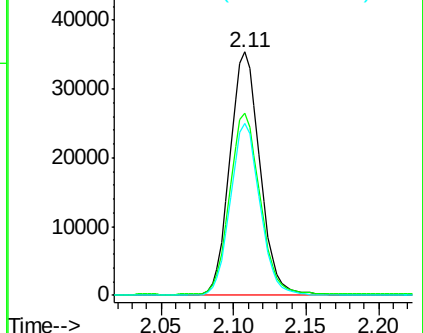
#23
Diethyl Ether
Concen: 4.82 ug/l
RT: 2.11 min Scan# 472
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 51161
Ion Ratio Lower Upper
59 100
45 75.3 60.0 90.0
74 69.1 56.5 84.7

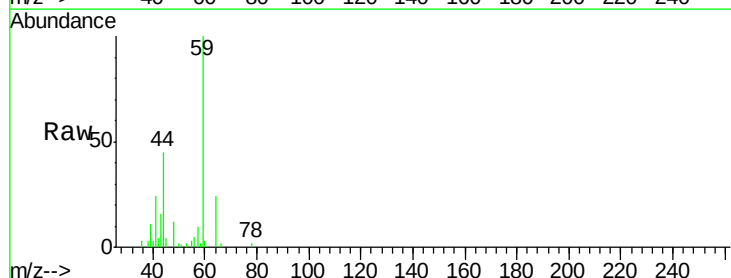


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

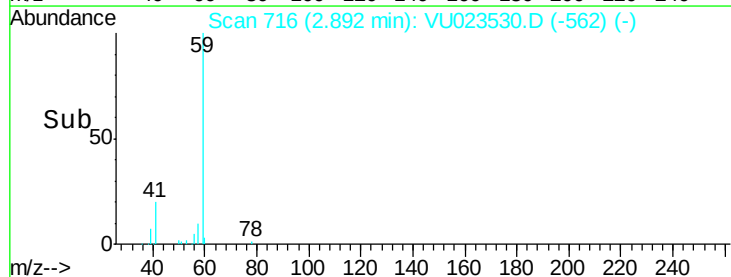
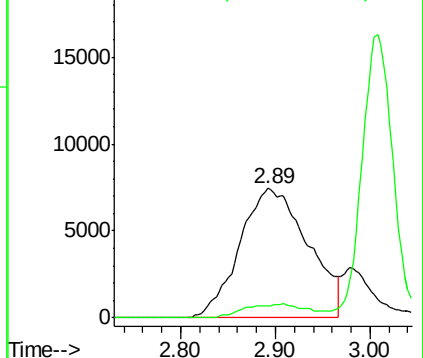


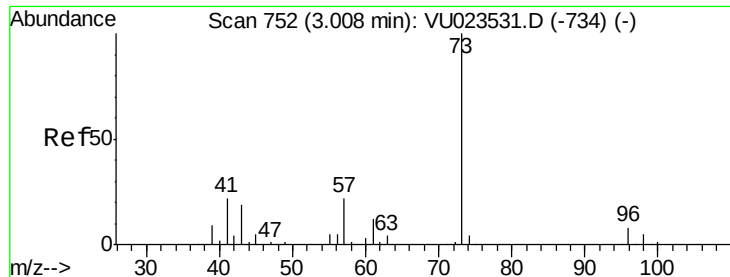
#24
tert-Butyl Alcohol
Concen: 36.11 ug/l
RT: 2.89 min Scan# 716
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion: 59 Resp: 37294
Ion Ratio Lower Upper
59 100
57 4.5 3.4 5.2



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: 4.73 ug/l

RT: 3.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

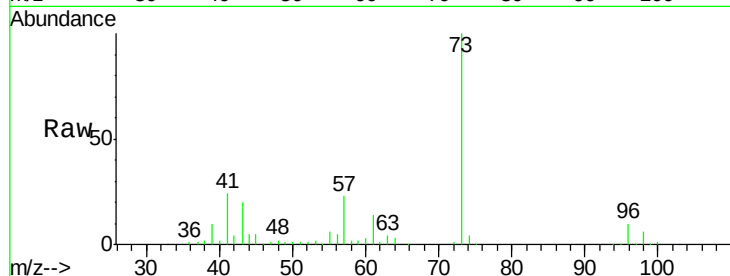
VSTDIC005

Tgt Ion: 73 Resp: 155474

Ion Ratio Lower Upper

73 100

43 20.4 16.2 24.2



Abundance Ion 73.00 (72.70 to 73.70): VU023530.D (-597) (-)

Ion 43.00 (42.70 to 43.70): VU023530.D (-597) (-)

3.01

80000

60000

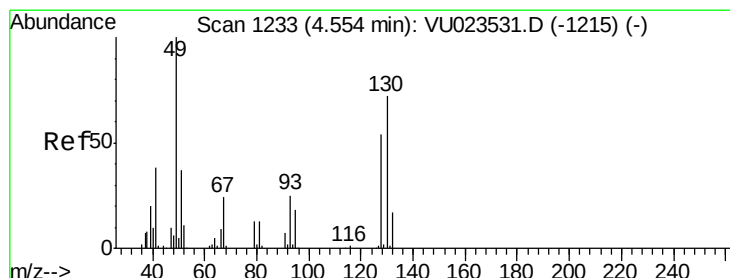
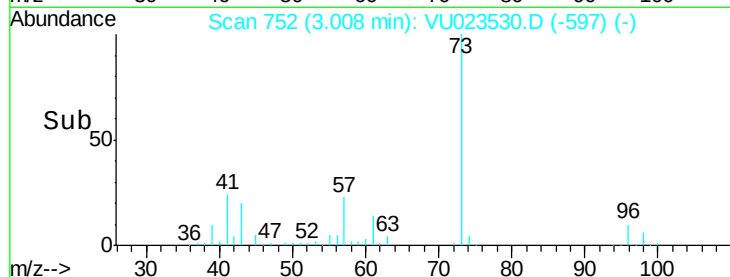
40000

20000

0

Time-->

2.90 3.00 3.10



#26

Bromochloromethane

Concen: 4.14 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

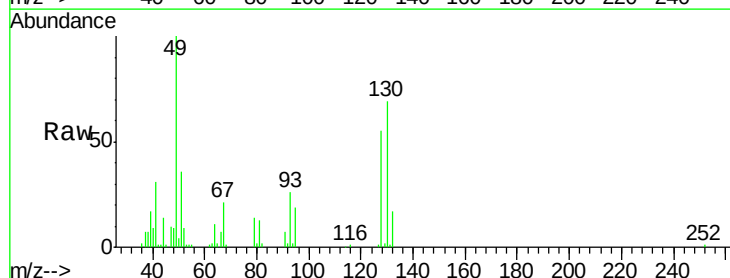
Tgt Ion: 128 Resp: 28372

Ion Ratio Lower Upper

128 100

49 187.0 0.0 375.2

130 129.7 105.8 158.6



Abundance Ion 128.00 (127.70 to 128.70): VU023530.D (-1078) (-)

Ion 49.00 (48.70 to 49.70): VU023530.D (-1078) (-)

Ion 130.00 (129.70 to 130.70): VU023530.D (-1078) (-)

4.55

30000

25000

20000

15000

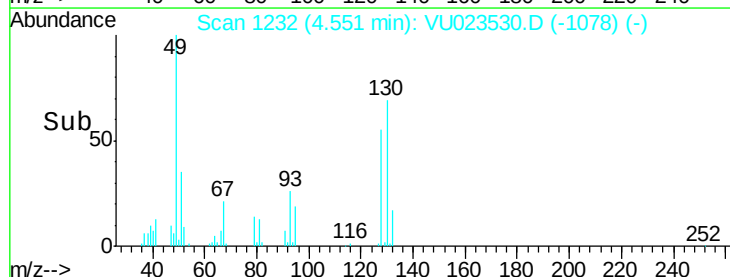
10000

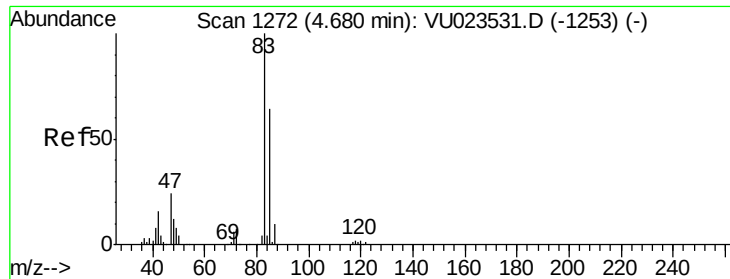
5000

0

Time-->

4.45 4.50 4.55 4.60 4.65

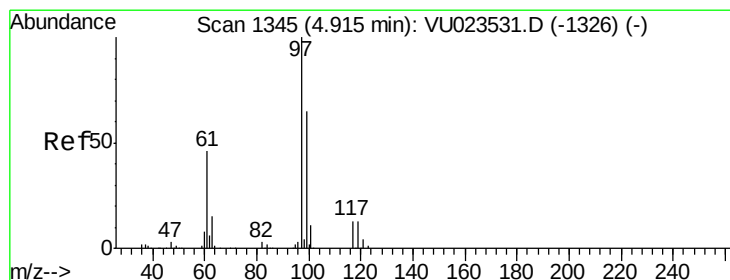
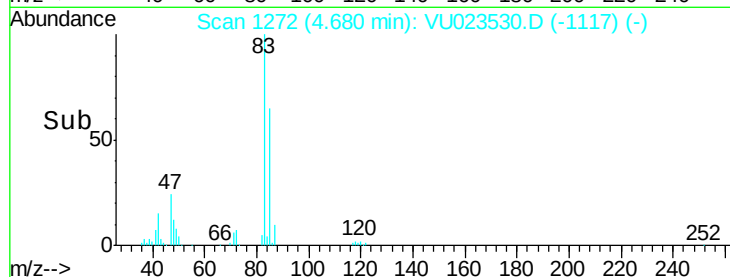
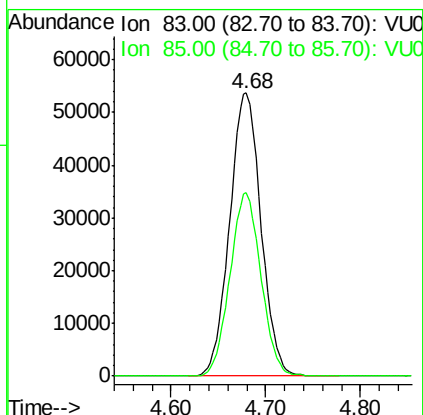
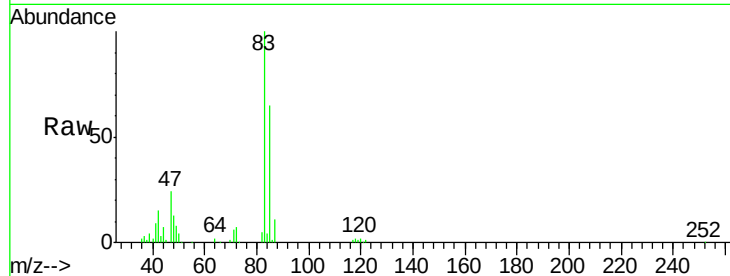




#27
Chloroform
Concen: 4.72 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

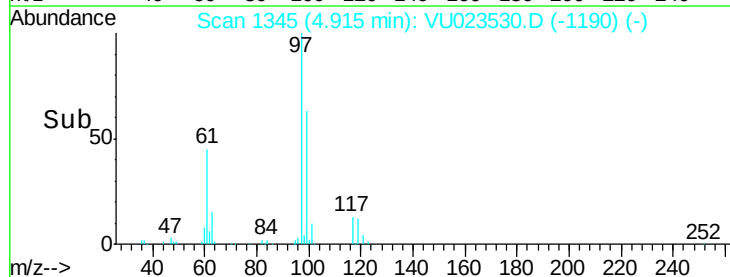
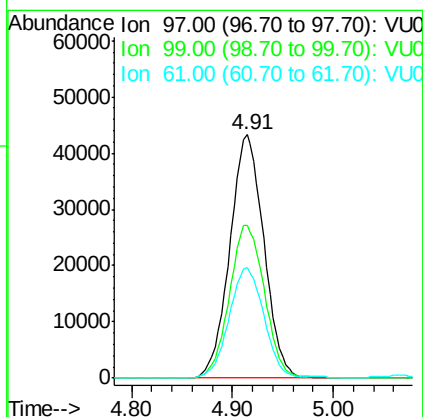
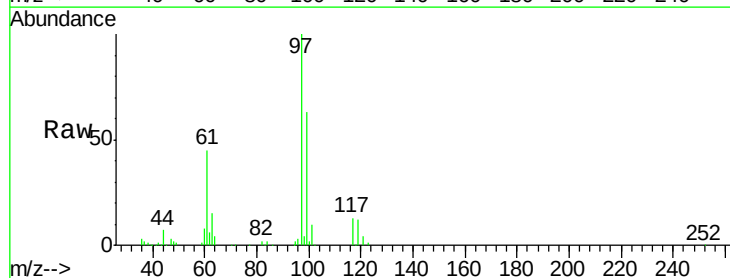
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

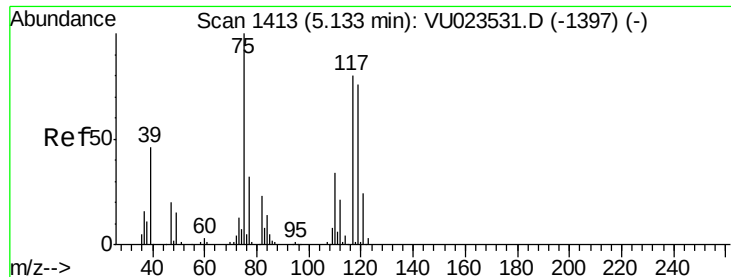
Tgt Ion: 83 Resp: 123612
Ion Ratio Lower Upper
83 100
85 65.0 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 5.04 ug/l
RT: 4.91 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion: 97 Resp: 101342
Ion Ratio Lower Upper
97 100
99 64.5 32.3 96.9
61 46.4 23.2 69.5

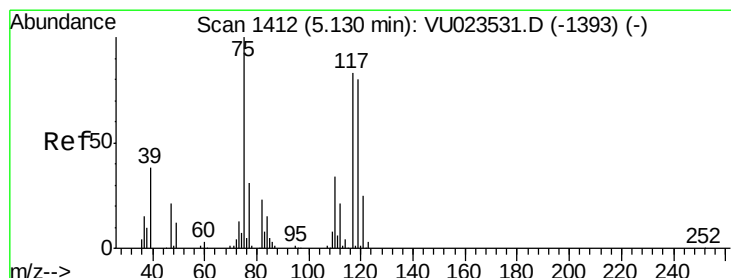
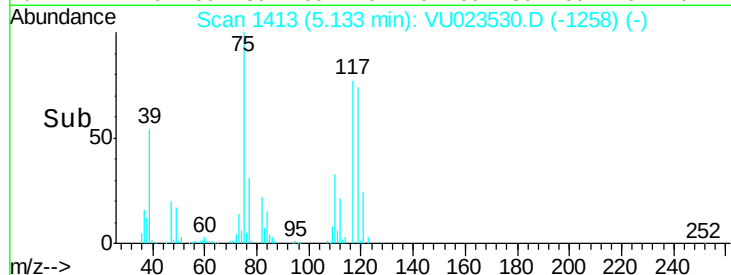
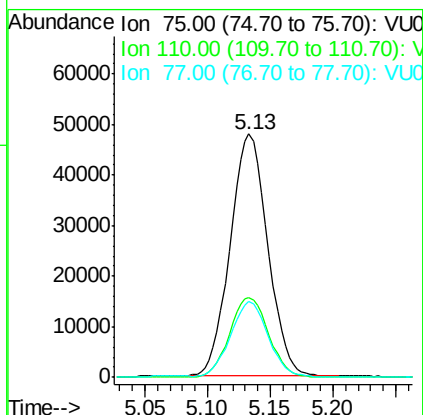
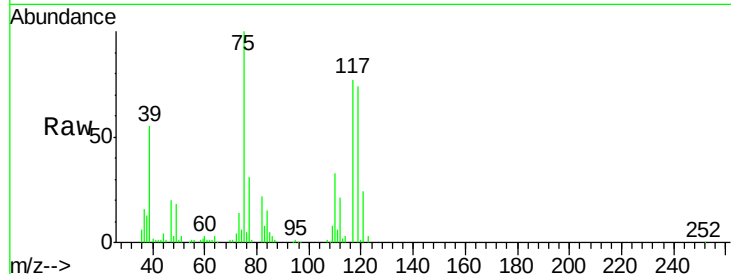




#29
 1,1-Dichloropropene
 Concen: 5.02 ug/l
 RT: 5.13 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

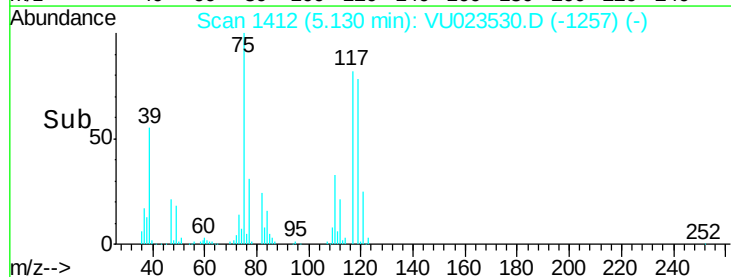
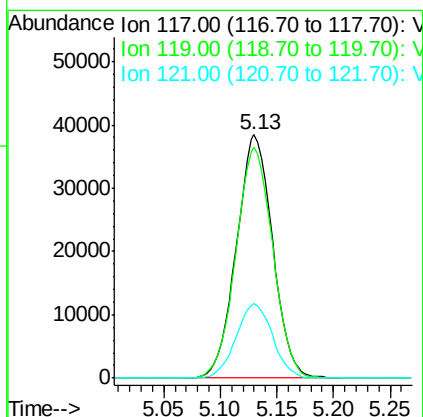
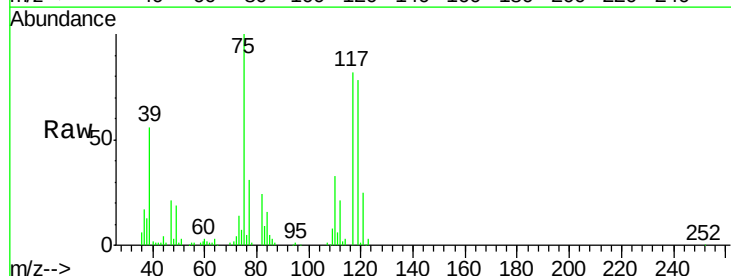
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

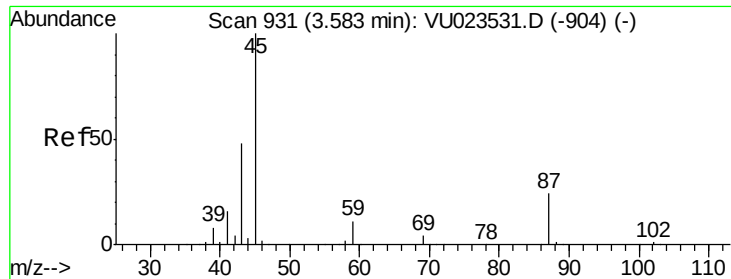
Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.7
77	30.7	24.8	37.2



#30
 Carbon Tetrachloride
 Concen: 5.08 ug/l
 RT: 5.13 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.3	115.9
121	30.5	24.5	36.7





#31

Isopropyl Ether

Concen: 5.46 ug/l

RT: 3.58 min Scan# 931

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

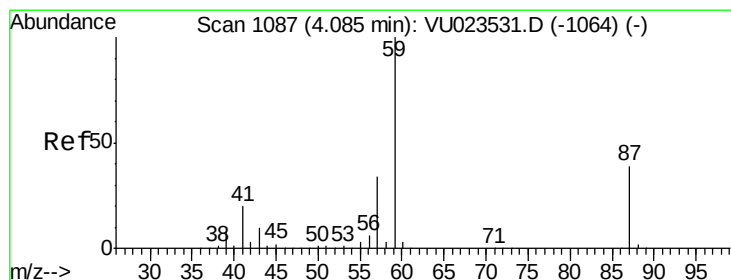
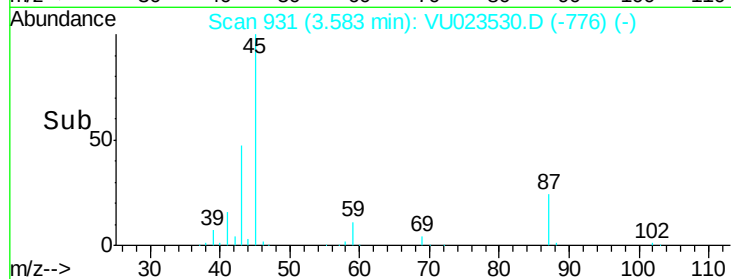
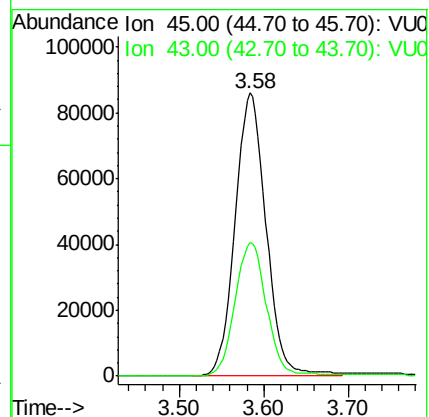
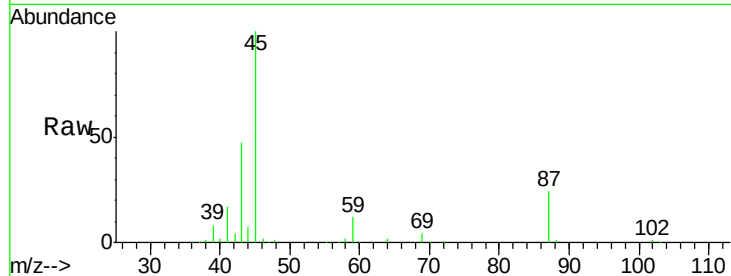
VSTDIC005

Tgt Ion: 45 Resp: 218793

Ion Ratio Lower Upper

45 100

43 49.1 24.0 72.0



#32

Ethyl-t-butyl ether

Concen: 5.15 ug/l

RT: 4.08 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VU023530.D

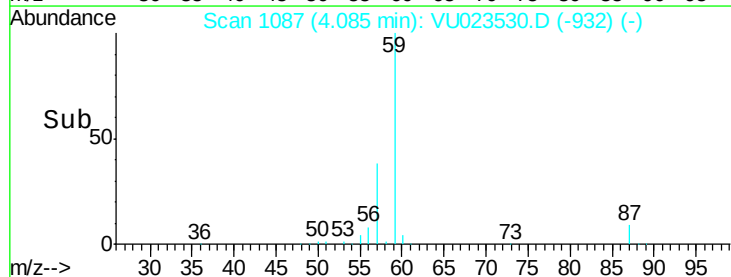
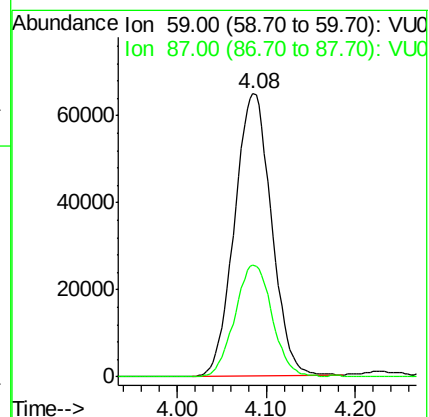
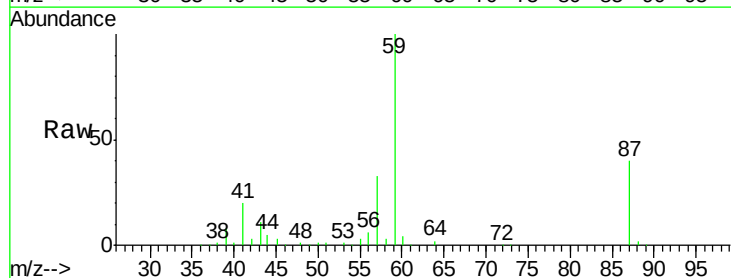
Acq: 30 Apr 2018 16:21

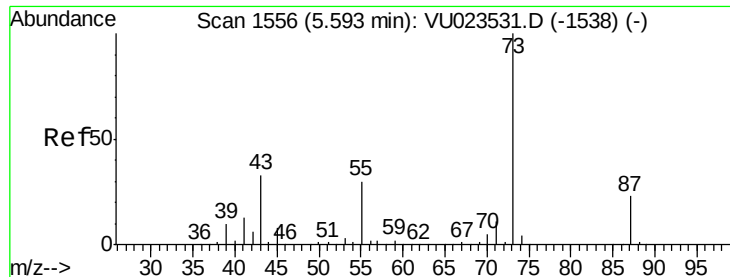
Tgt Ion: 59 Resp: 186010

Ion Ratio Lower Upper

59 100

87 39.6 31.0 46.6





#33

Tert-Amyl methyl ether

Concen: 5.07 ug/l

RT: 5.59 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

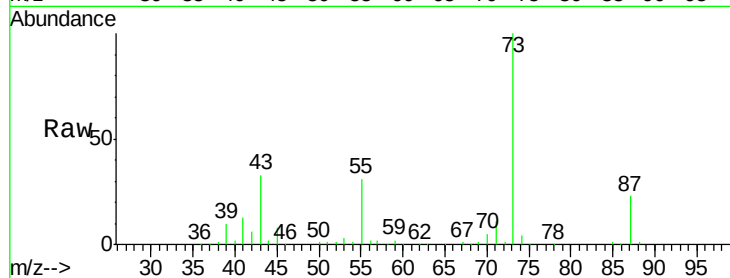
Tgt Ion: 73 Resp: 158786

Ion Ratio Lower Upper

73 100

87 23.4 18.6 28.0

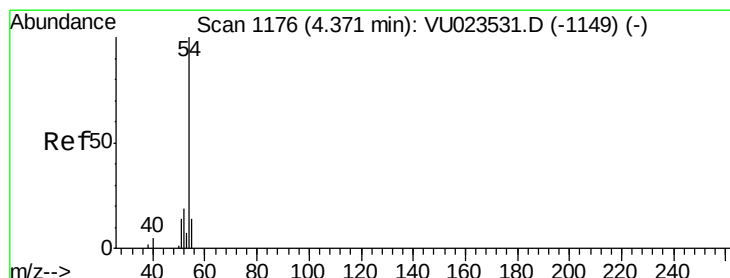
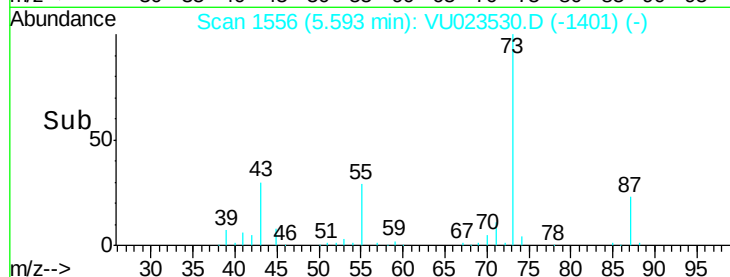
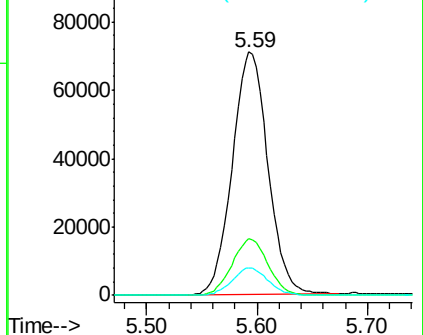
71 11.5 9.3 13.9



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#34

Propionitrile

Concen: 22.65 ug/l

RT: 4.36 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Tgt Ion: 54 Resp: 24575

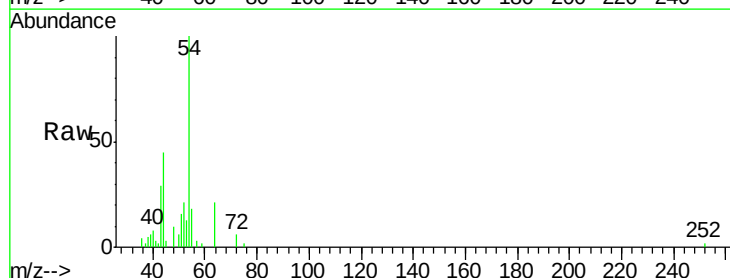
Ion Ratio Lower Upper

54 100

52 20.3 13.7 20.5

55 12.9 10.2 15.2

40 4.8 3.5 5.3

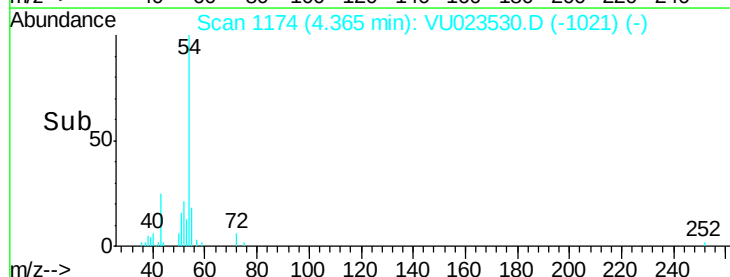
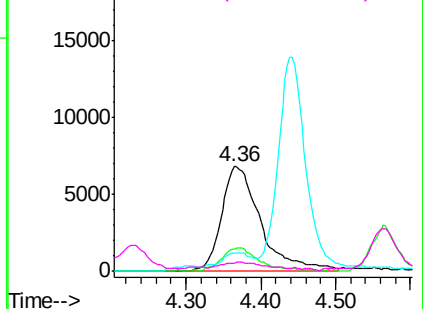


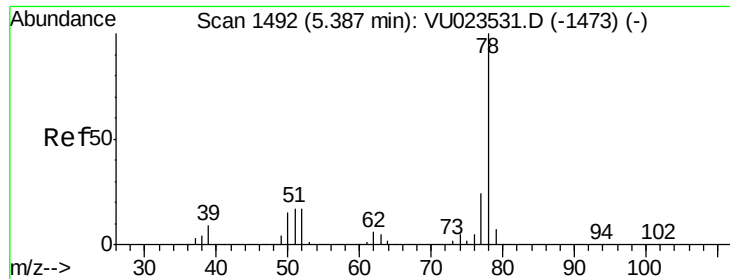
Abundance Ion 54.00 (53.70 to 54.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 5.14 ug/l

RT: 5.39 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

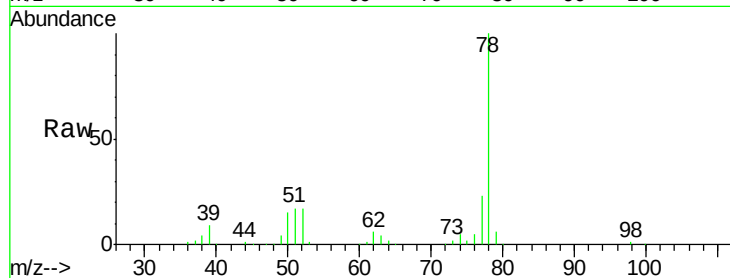
VSTDIC005

Tgt Ion: 78 Resp: 308638

Ion Ratio Lower Upper

78 100

77 23.3 19.1 28.7



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

150000

100000

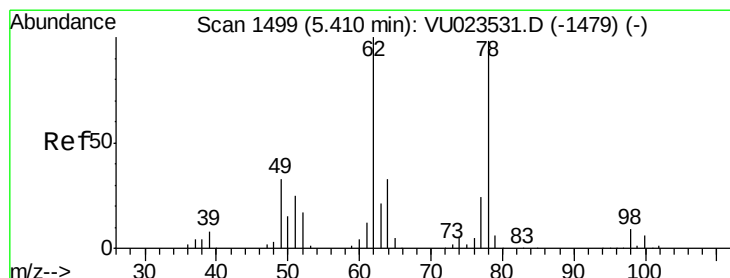
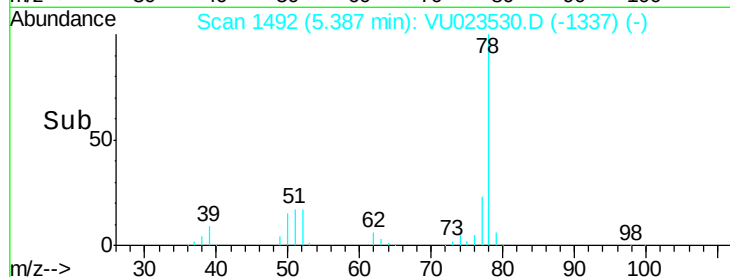
50000

0

5.39

5.30 5.40 5.50

Time-->



#36

1,2-Dichloroethane

Concen: 5.24 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU023530.D

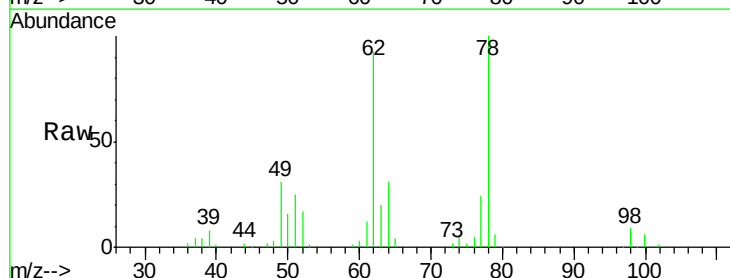
Acq: 30 Apr 2018 16:21

Tgt Ion: 62 Resp: 83390

Ion Ratio Lower Upper

62 100

98 9.0 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

40000

30000

20000

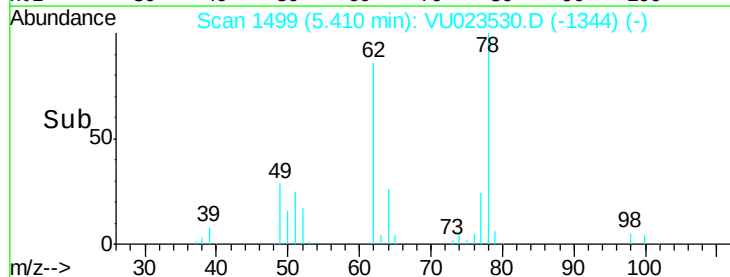
10000

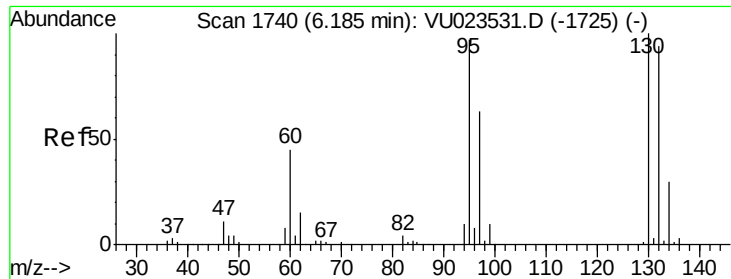
0

5.41

5.30 5.40 5.50

Time-->

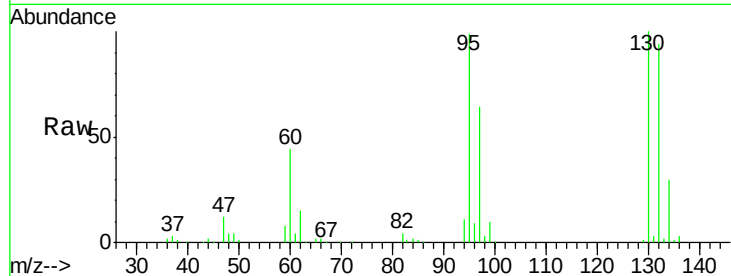




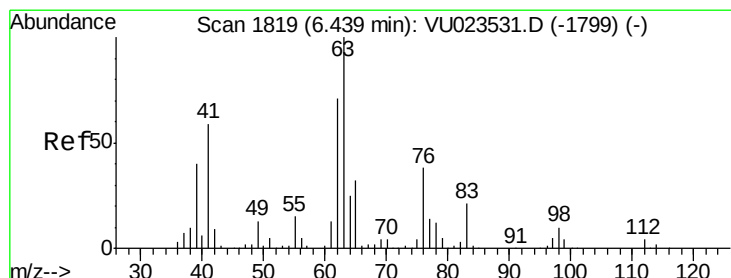
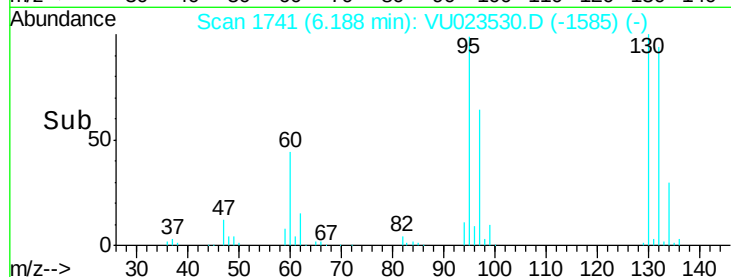
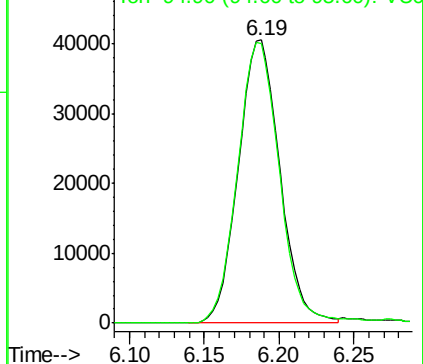
#37
 Trichloroethene
 Concen: 4.89 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:130 Resp: 78286
 Ion Ratio Lower Upper
 130 100
 95 98.7 77.9 116.9

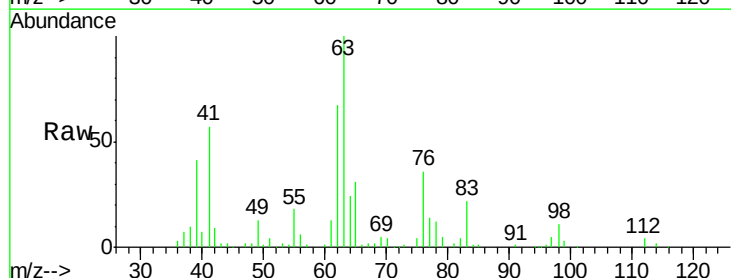


Abundance Ion 129.90 (129.60 to 130.60): VU023530.D (-1585) (-)
 Ion 94.90 (94.60 to 95.60): VU023530.D (-1585) (-)

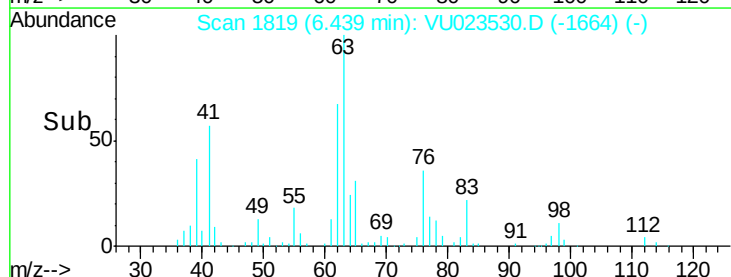
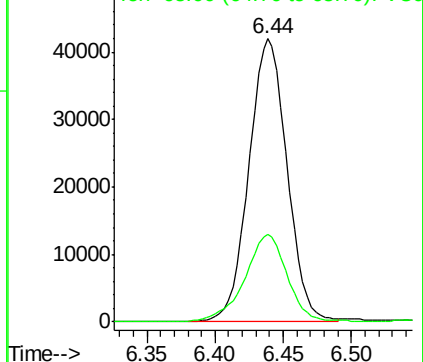


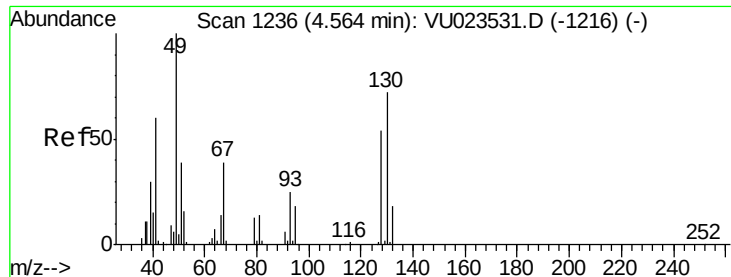
#38
 1,2-Dichloropropane
 Concen: 5.34 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion: 63 Resp: 81492
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU023530.D (-1664) (-)
 Ion 65.00 (64.70 to 65.70): VU023530.D (-1664) (-)

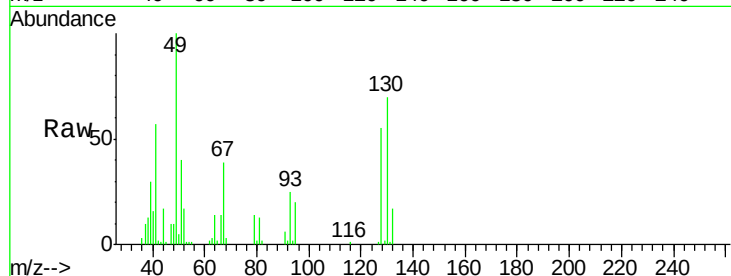




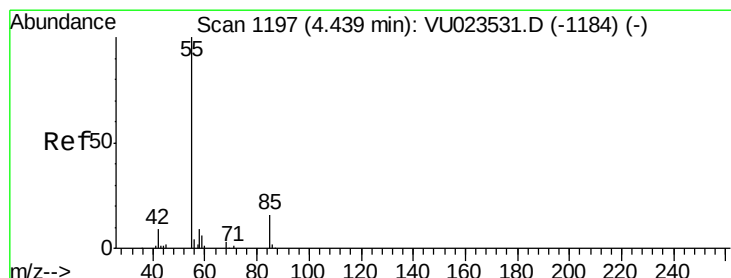
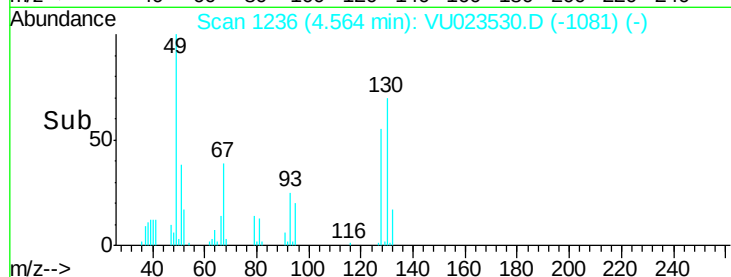
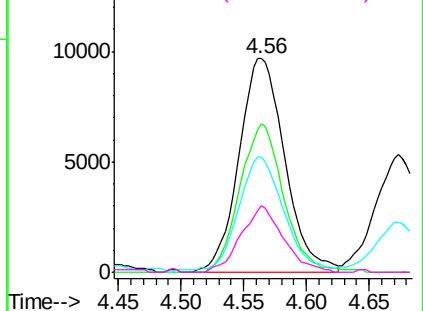
#39
Methacrylonitrile
Concen: 5.47 ug/l
RT: 4.56 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	24631
Ion	Ratio	Lower	Upper
41	100		
67	66.5	51.3	76.9
39	50.4	40.6	60.8
52	28.6	21.5	32.3

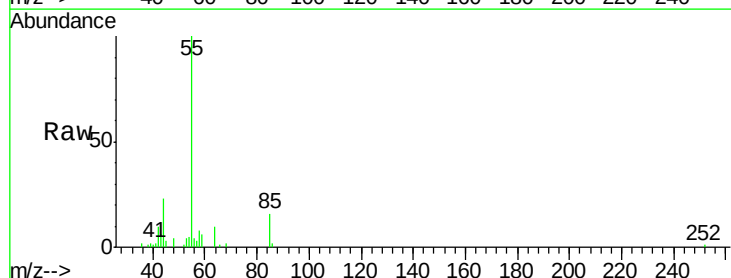


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

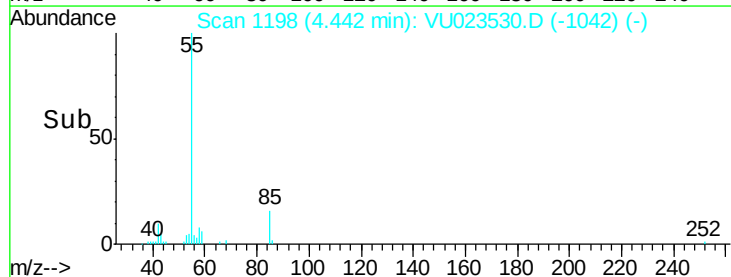
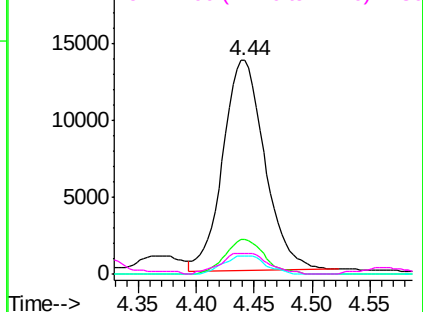


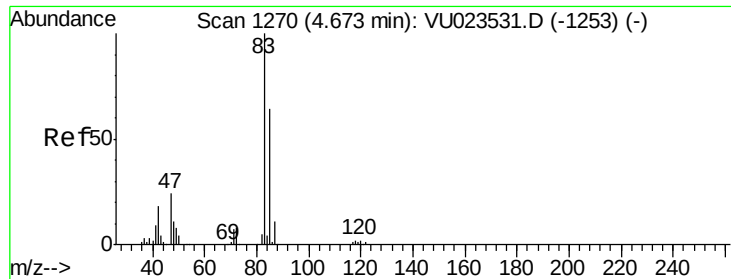
#40
Methyl acrylate
Concen: 5.06 ug/l
RT: 4.44 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion:	55	Resp:	34467
Ion	Ratio	Lower	Upper
55	100		
85	15.5	12.3	18.5
58	8.7	7.0	10.6
42	11.0	7.0	10.4#



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

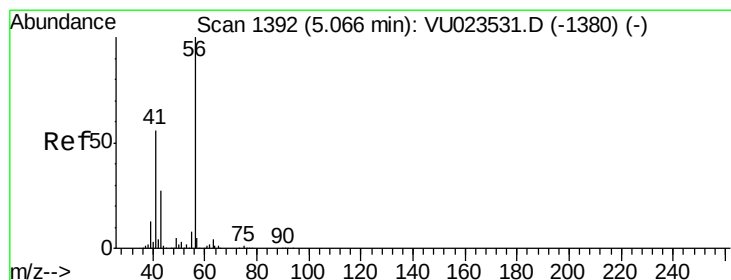
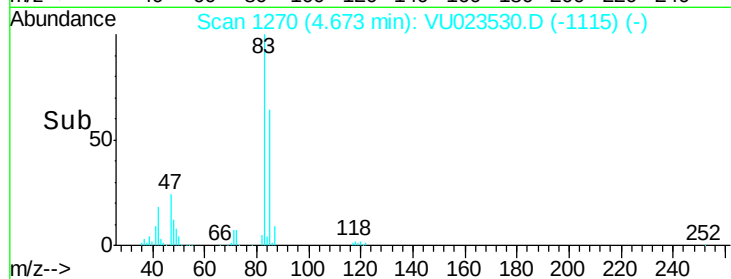
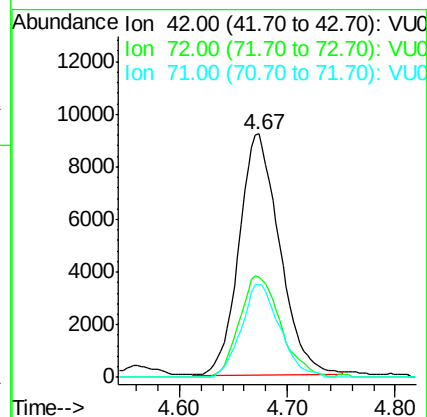
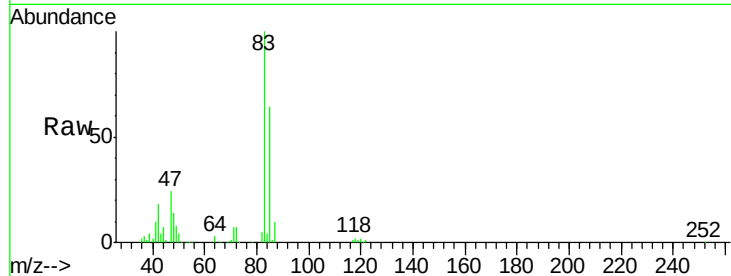




#41
Tetrahydrofuran
Concen: 9.51 ug/l
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

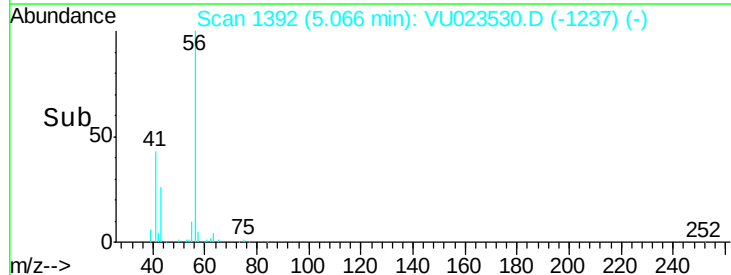
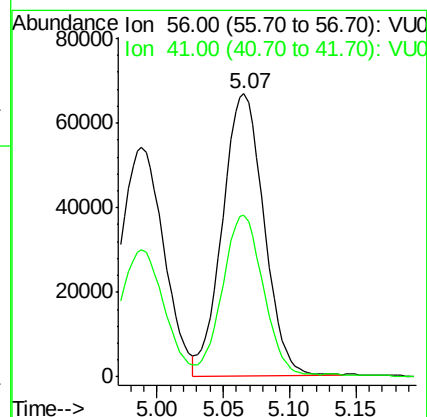
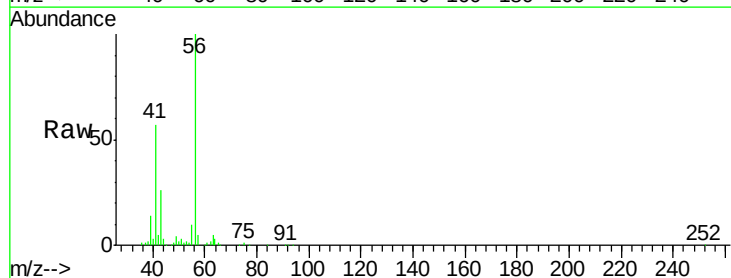
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

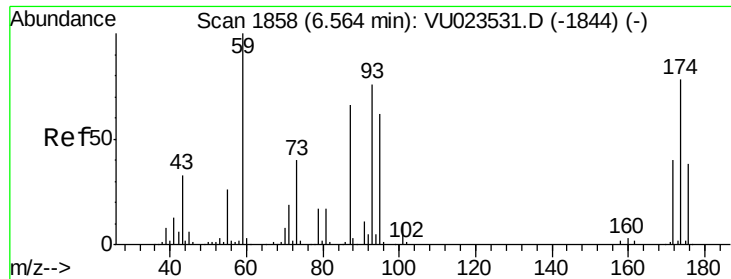
Tgt Ion: 42 Resp: 23877
Ion Ratio Lower Upper
42 100
72 42.7 33.2 49.8
71 36.7 29.8 44.8



#42
1-Chlorobutane
Concen: 5.39 ug/l
RT: 5.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion: 56 Resp: 143978
Ion Ratio Lower Upper
56 100
41 55.6 27.5 82.5





#43

Dibromomethane

Concen: 4.79 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

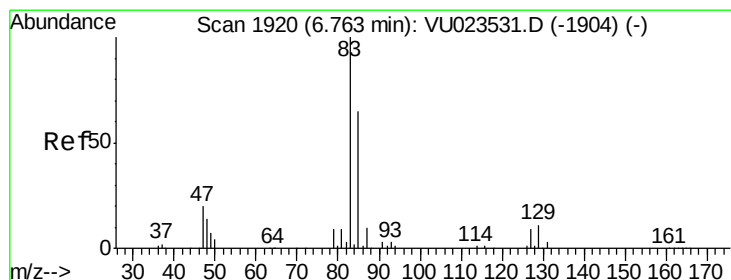
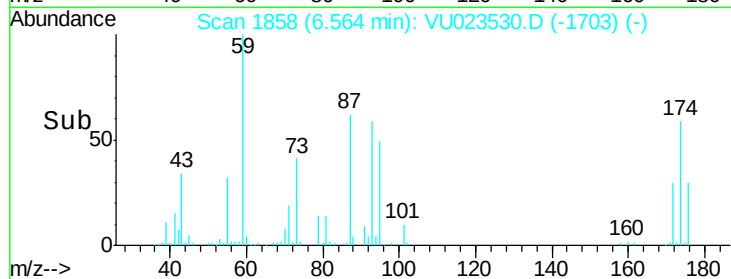
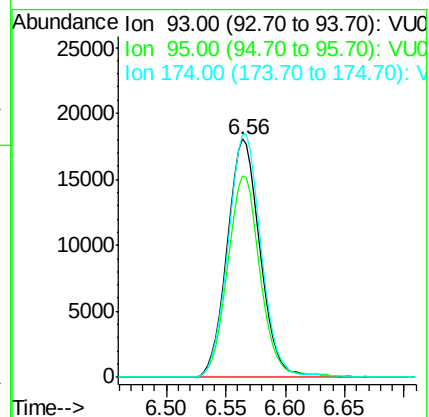
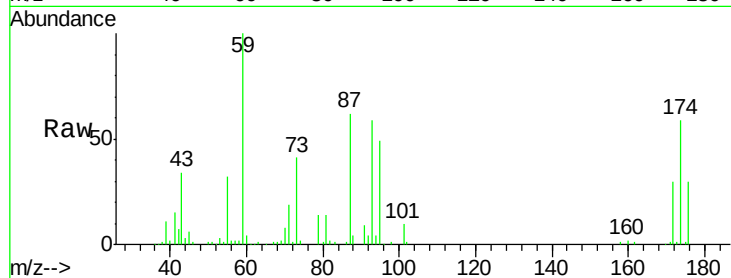
Tgt Ion: 93 Resp: 34633

Ion Ratio Lower Upper

93 100

95 83.6 67.2 100.8

174 102.4 82.8 124.2



#44

Bromodichloromethane

Concen: 5.22 ug/l

RT: 6.76 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

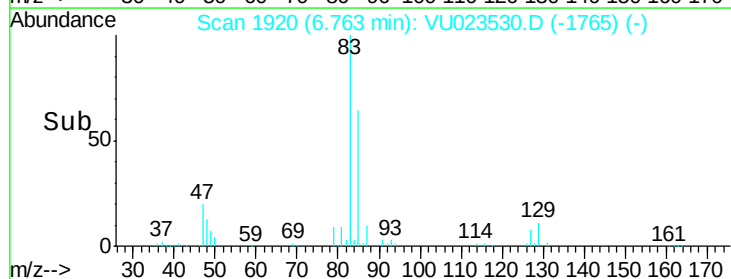
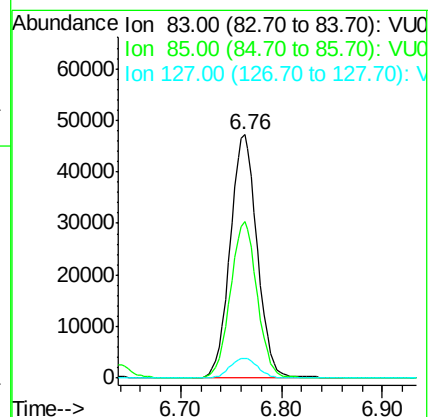
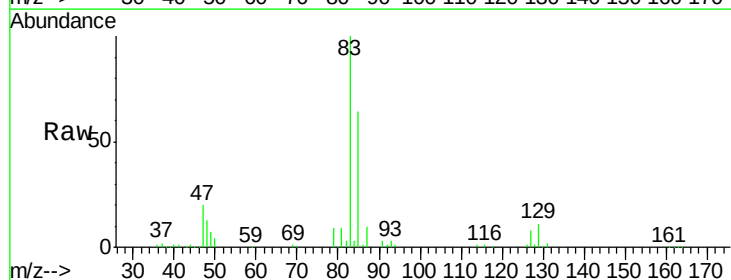
Tgt Ion: 83 Resp: 88302

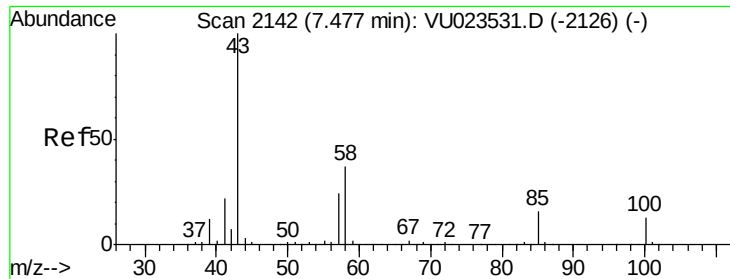
Ion Ratio Lower Upper

83 100

85 64.2 52.2 78.4

127 8.2 7.0 10.4

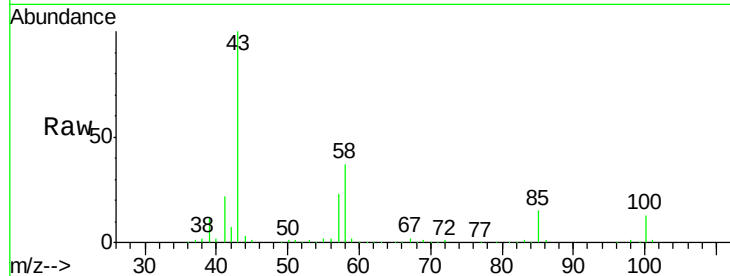




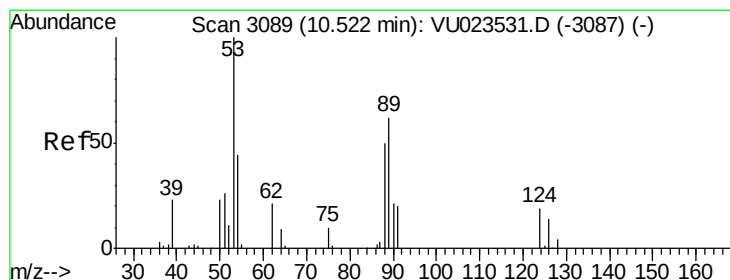
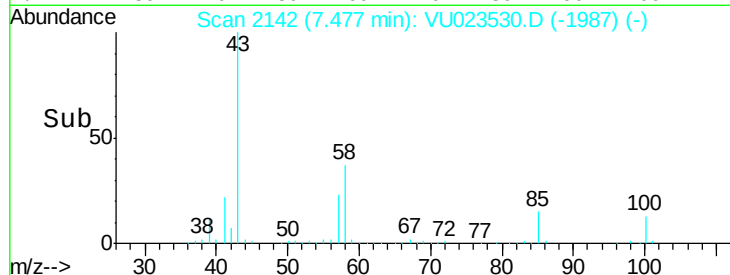
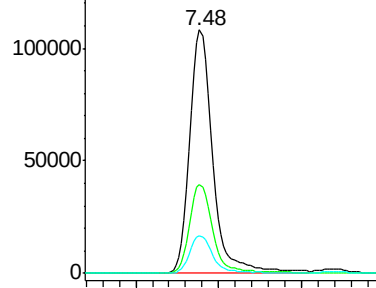
#45
 4-Methyl-2-Pentanone
 Concen: 25.16 ug/l
 RT: 7.48 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 43 Resp: 209522
 Ion Ratio Lower Upper
 43 100
 58 36.4 18.8 56.4
 85 15.3 12.6 19.0

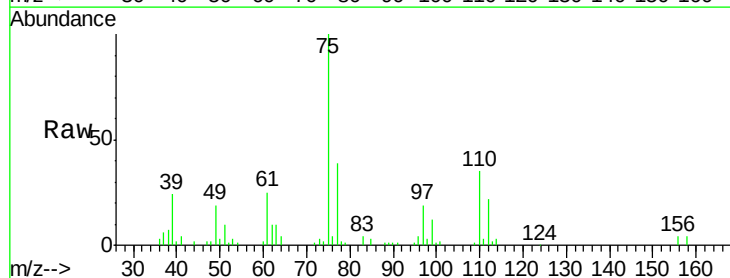


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

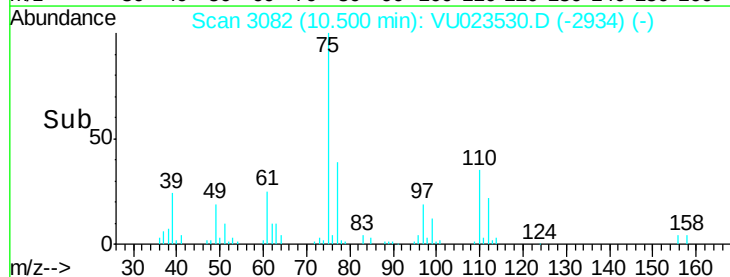
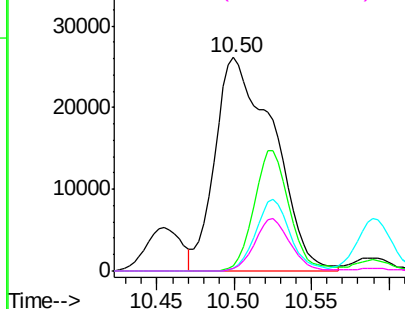


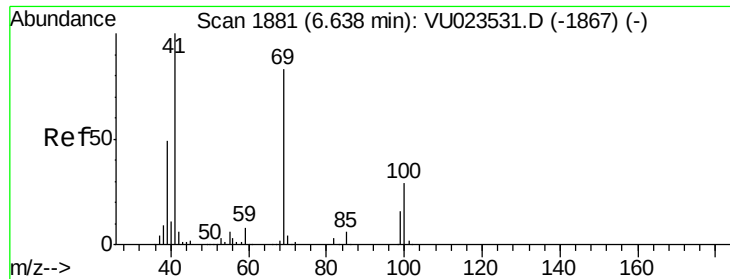
#46
 t-1,4-Dichloro-2-butene
 Concen: 26.53 ug/l
 RT: 10.50 min Scan# 3082
 Delta R.T. -0.02 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion: 75 Resp: 68895
 Ion Ratio Lower Upper
 75 100
 53 34.3 82.2 123.4#
 89 19.6 51.3 76.9#
 88 14.9 37.4 56.2#



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

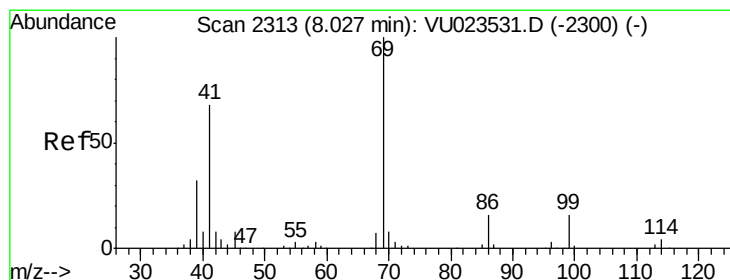
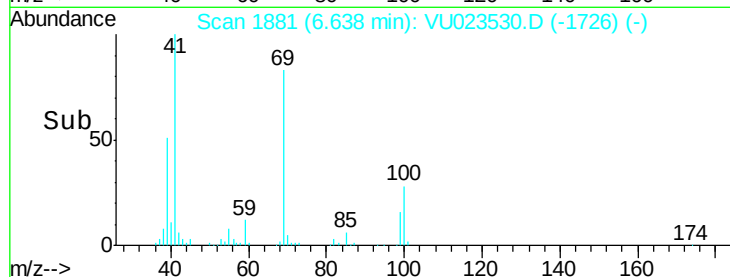
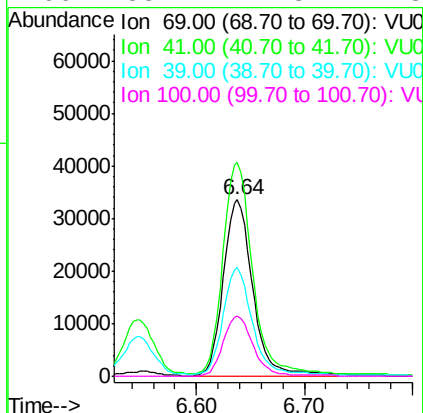
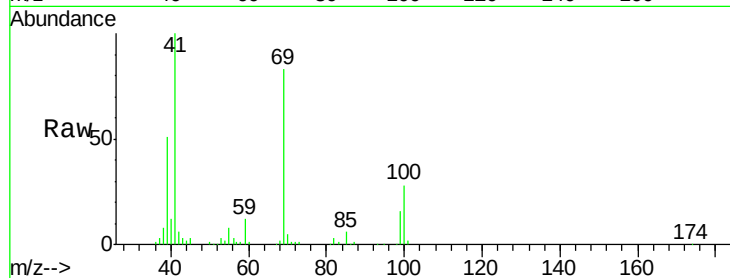




#47
Methyl methacrylate
Concen: 9.25 ug/l
RT: 6.64 min Scan# 1881
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

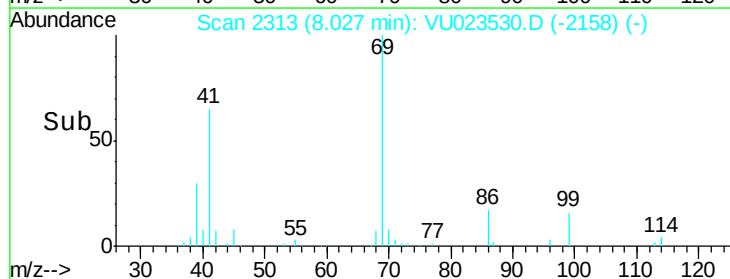
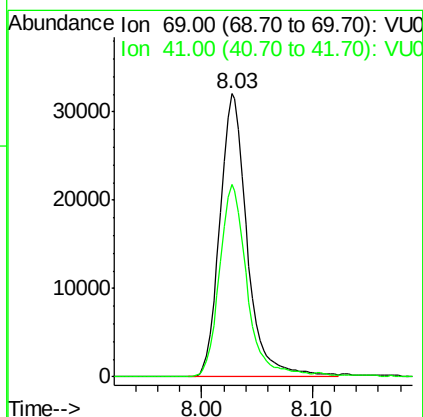
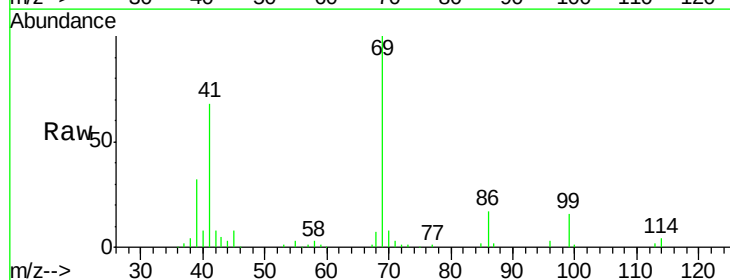
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

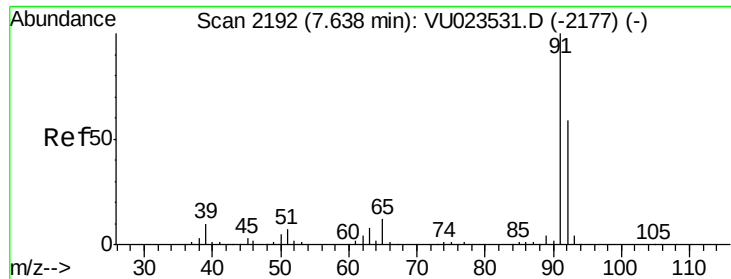
Tgt Ion: 69 Resp: 63481
Ion Ratio Lower Upper
69 100
41 121.6 0.0 245.4
39 61.6 49.0 73.4
100 35.1 27.8 41.8



#48
Ethyl methacrylate
Concen: 4.53 ug/l
RT: 8.03 min Scan# 2313
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion: 69 Resp: 55302
Ion Ratio Lower Upper
69 100
41 68.1 34.2 102.5





#49

Toluene

Concen: 4.99 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

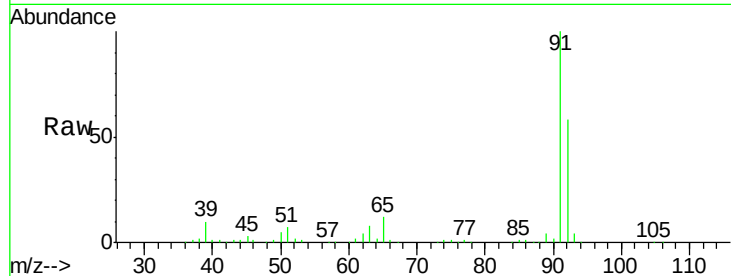
VSTDIC005

Tgt Ion: 92 Resp: 175360

Ion Ratio Lower Upper

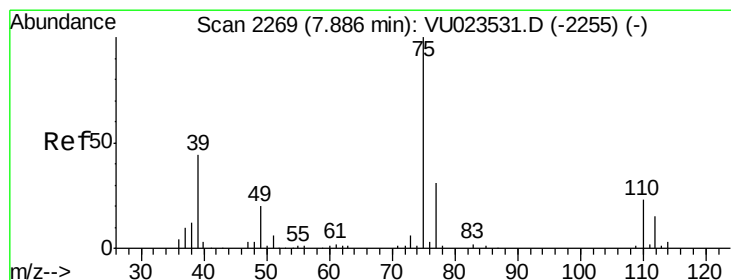
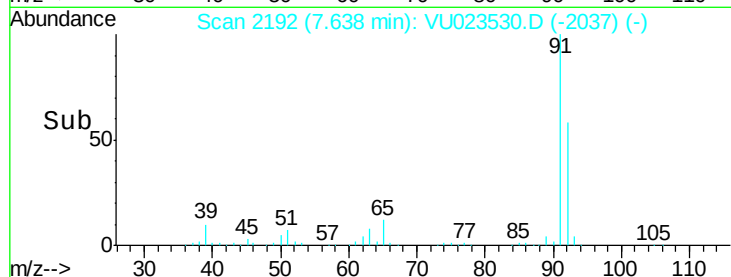
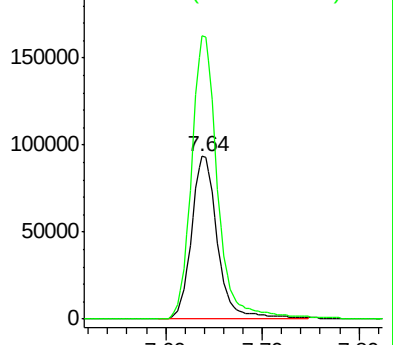
92 100

91 174.8 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 5.21 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VU023530.D

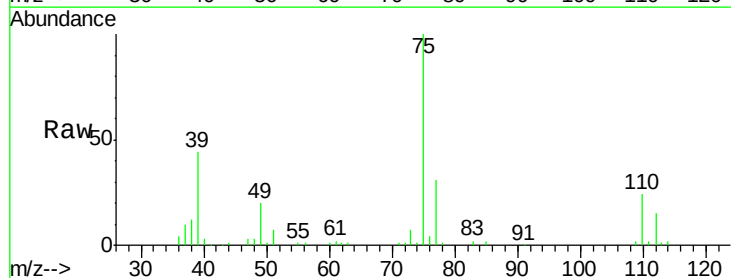
Acq: 30 Apr 2018 16:21

Tgt Ion: 75 Resp: 75786

Ion Ratio Lower Upper

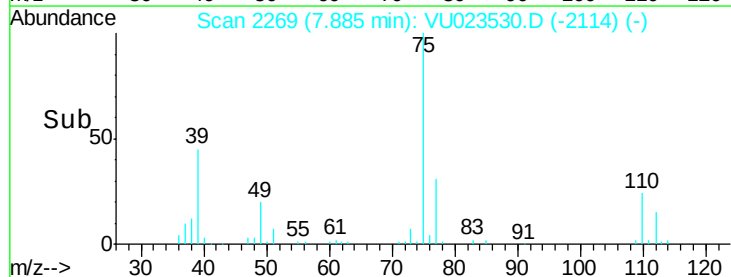
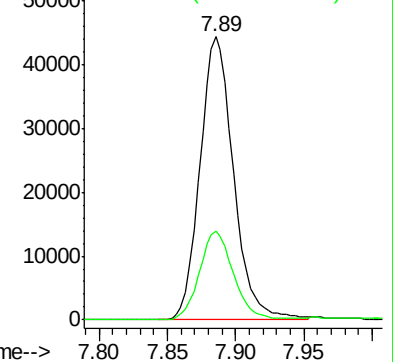
75 100

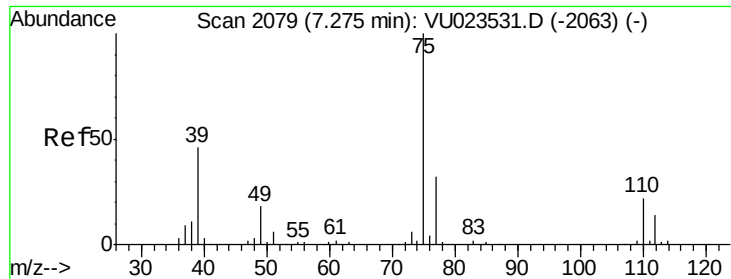
77 31.2 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#51

cis-1,3-Dichloropropene

Concen: 5.29 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

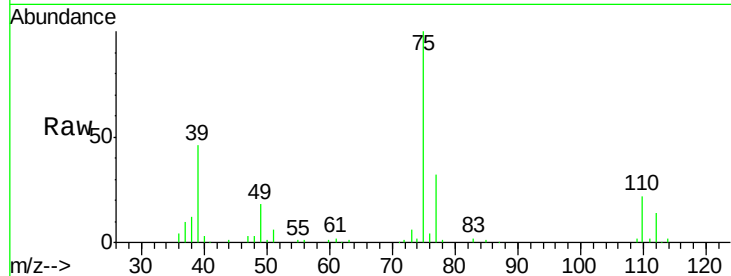
Tgt Ion: 75 Resp: 99118

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

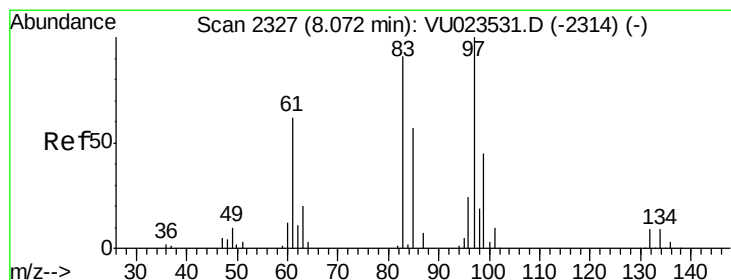
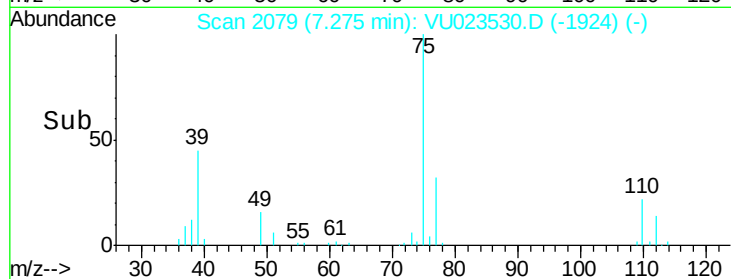
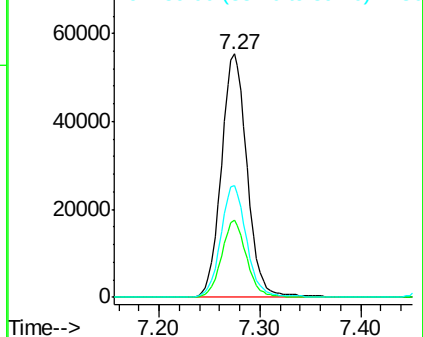
39 45.8 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#52

1,1,2-Trichloroethane

Concen: 4.69 ug/l

RT: 8.07 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Tgt Ion: 97 Resp: 49410

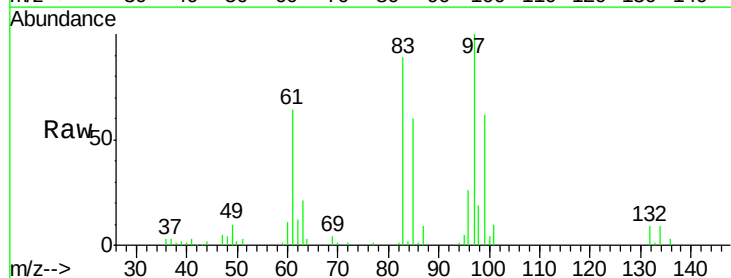
Ion Ratio Lower Upper

97 100

83 88.7 72.6 109.0

85 59.8 47.2 70.8

99 61.5 50.8 76.2

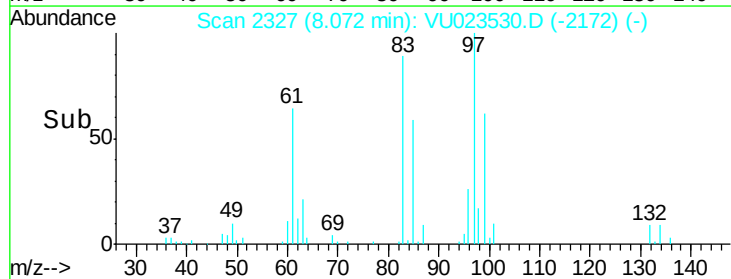
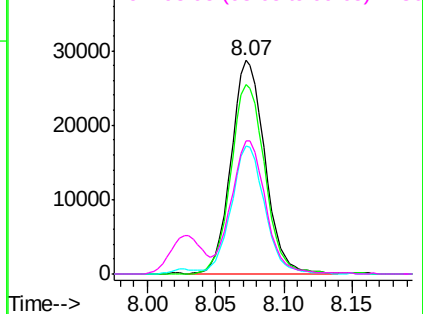


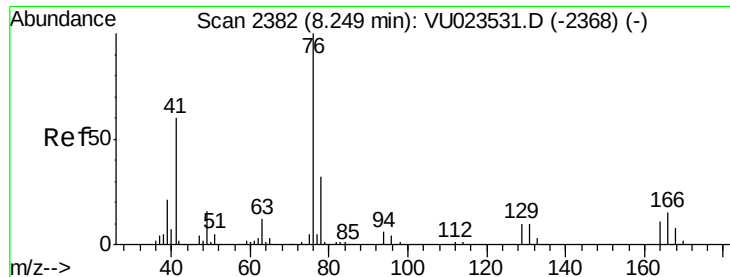
Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 84.95 (84.65 to 85.65): VU0

Ion 98.95 (98.65 to 99.65): VU0





#53

1,3-Dichloropropane

Concen: 4.89 ug/l

RT: 8.25 min Scan# 2382

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

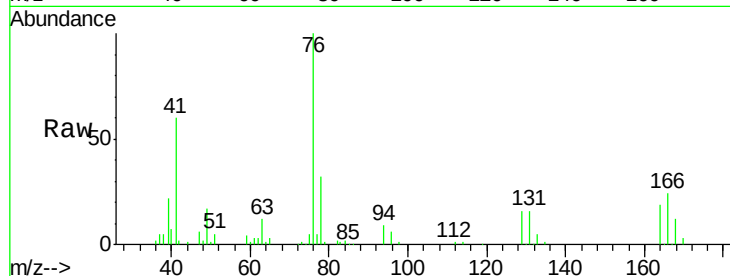
VSTDIC005

Tgt Ion: 76 Resp: 88548

Ion Ratio Lower Upper

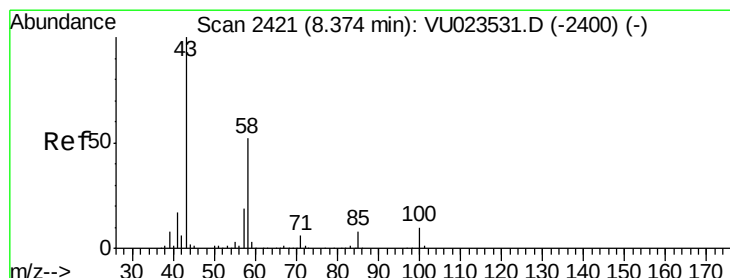
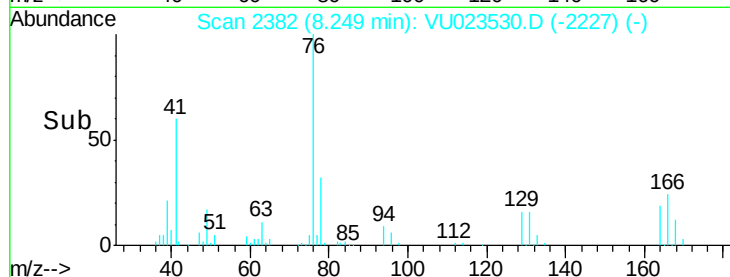
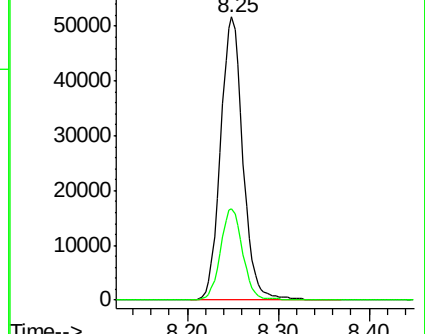
76 100

78 32.0 25.7 38.5



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#54

2-Hexanone

Concen: 25.43 ug/l

RT: 8.38 min Scan# 2422

Delta R.T. 0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

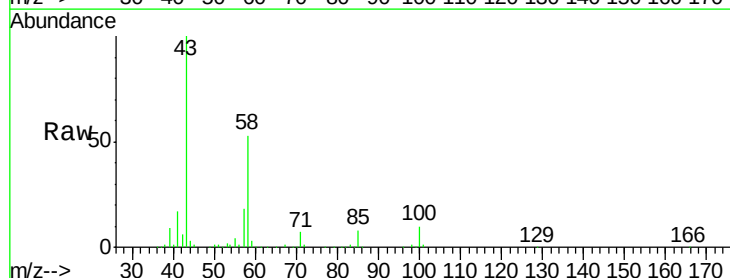
Tgt Ion: 43 Resp: 144439

Ion Ratio Lower Upper

43 100

58 52.1 32.5 72.5

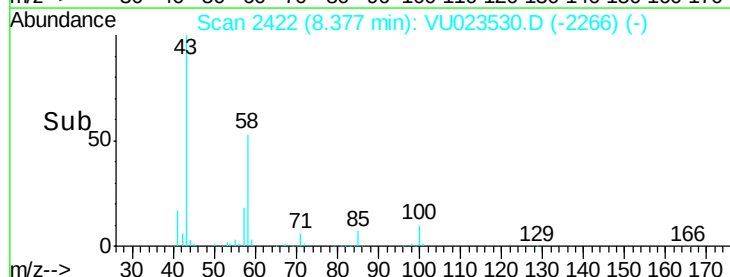
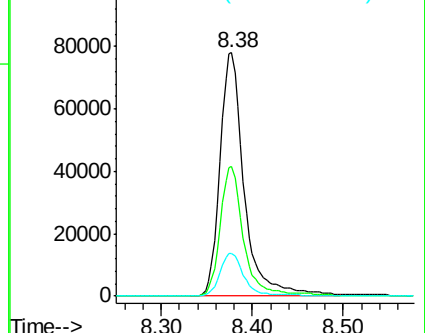
57 17.6 0.0 37.9

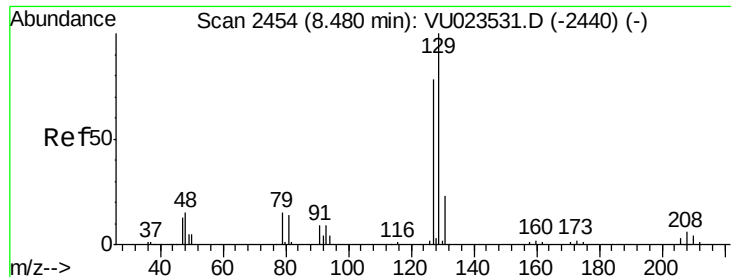


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#55

Dibromochloromethane

Concen: 4.90 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

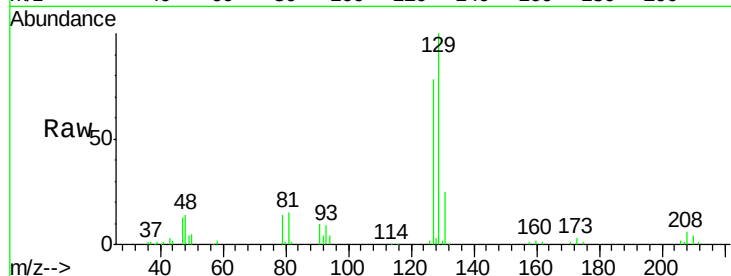
VSTDIC005

Tgt Ion:129 Resp: 53111

Ion Ratio Lower Upper

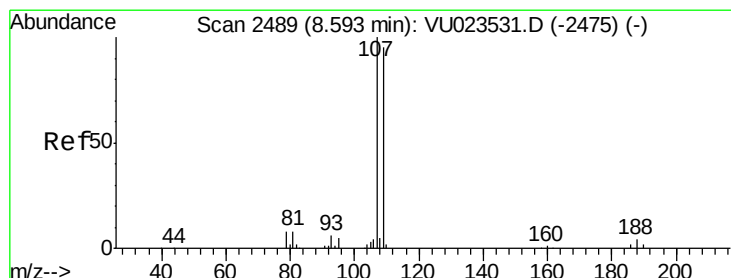
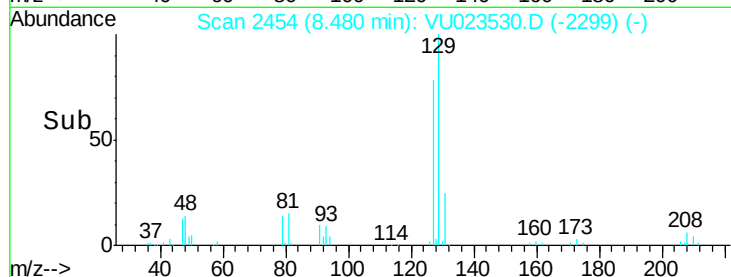
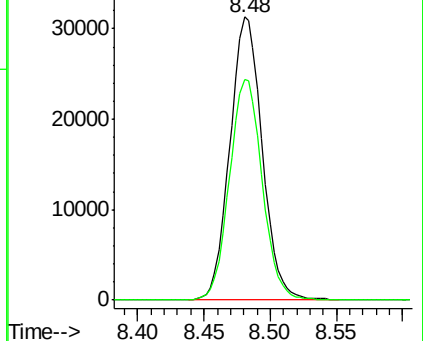
129 100

127 78.7 61.1 91.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 4.56 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. -0.00 min

Lab File: VU023530.D

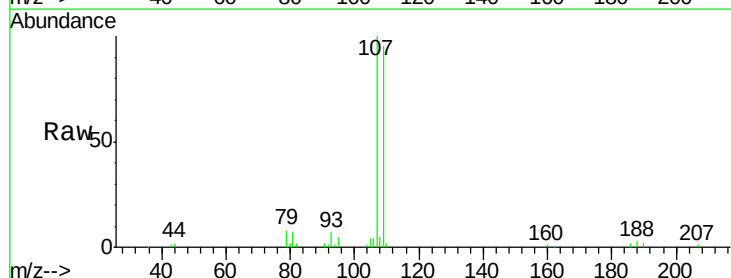
Acq: 30 Apr 2018 16:21

Tgt Ion:107 Resp: 42275

Ion Ratio Lower Upper

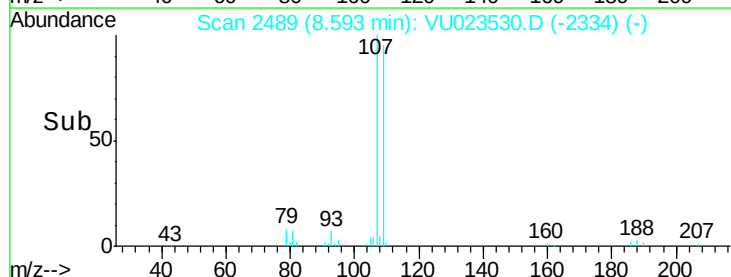
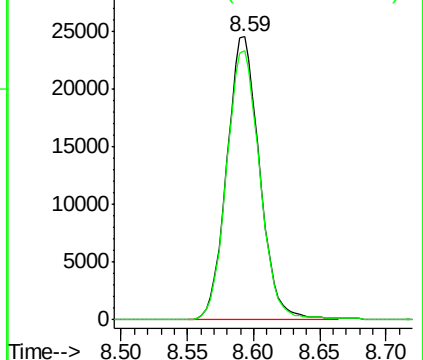
107 100

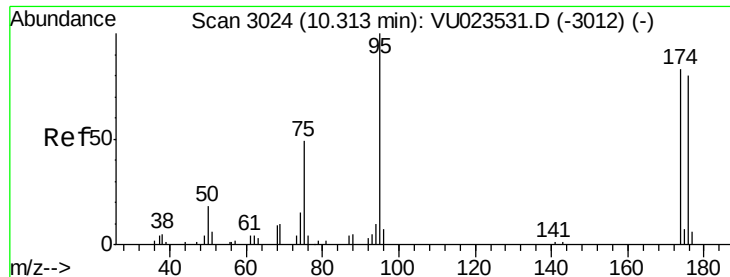
109 96.3 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 4.56 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

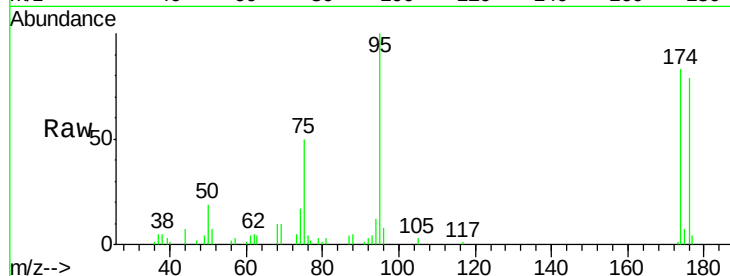
Tgt Ion: 95 Resp: 17310

Ion Ratio Lower Upper

95 100

174 85.3 65.6 98.4

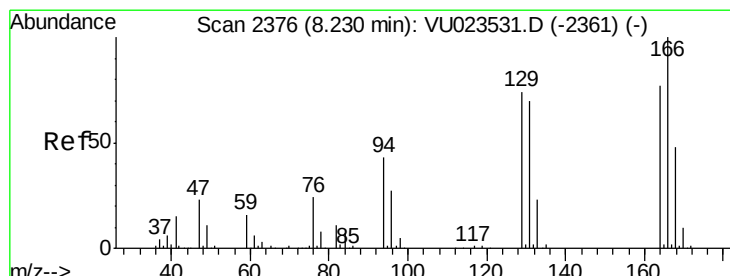
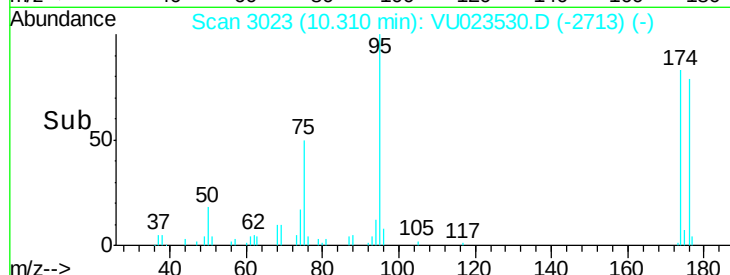
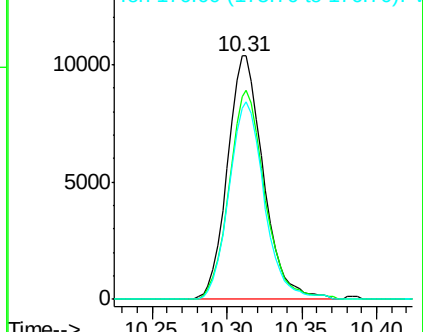
176 79.8 62.0 93.0



Abundance Ion 95.00 (94.70 to 95.70): VU023530.D (-2713) (-)

Ion 174.00 (173.70 to 174.70): VU023530.D (-2713) (-)

Ion 176.00 (175.70 to 176.70): VU023530.D (-2713) (-)



#58

Tetrachloroethene

Concen: 5.23 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Tgt Ion: 164 Resp: 74527

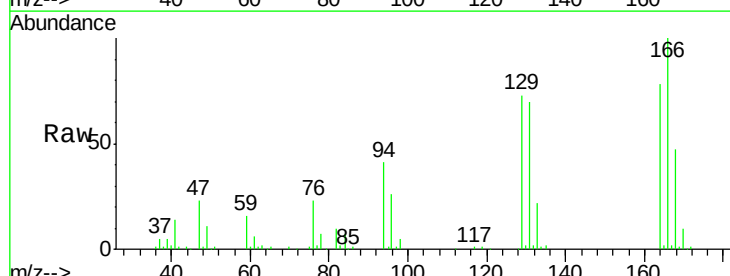
Ion Ratio Lower Upper

164 100

166 128.0 104.1 156.1

129 93.7 76.8 115.2

131 89.7 72.6 108.8

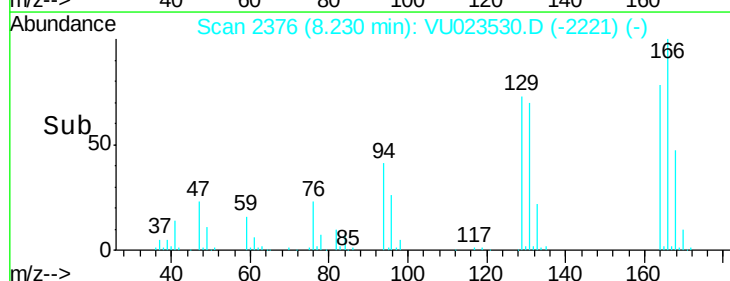
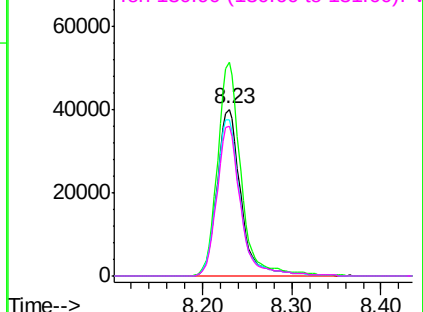


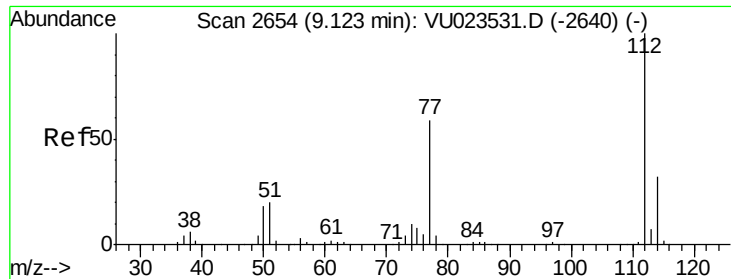
Abundance Ion 163.85 (163.55 to 164.55): VU023530.D (-2221) (-)

Ion 165.80 (165.50 to 166.50): VU023530.D (-2221) (-)

Ion 128.90 (128.60 to 129.60): VU023530.D (-2221) (-)

Ion 130.90 (130.60 to 131.60): VU023530.D (-2221) (-)





#59

Chlorobenzene

Concen: 4.80 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

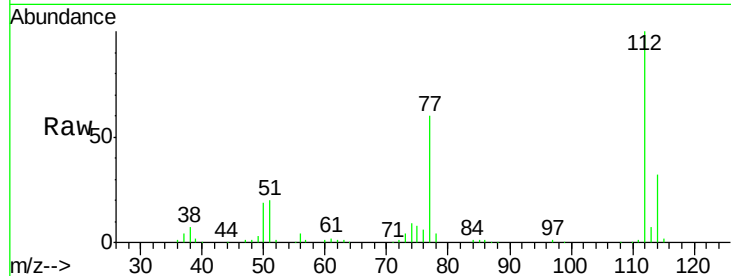
VSTDIC005

Tgt Ion:112 Resp: 185063

Ion Ratio Lower Upper

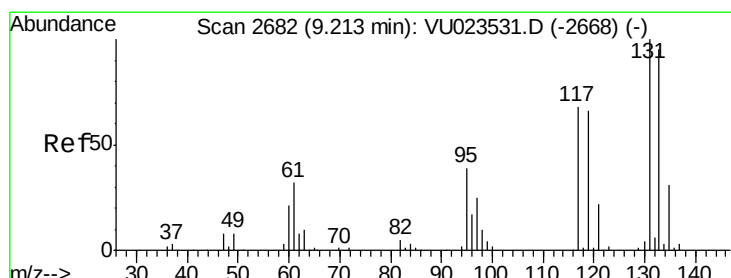
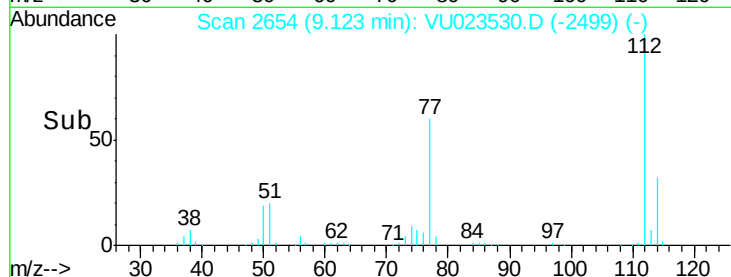
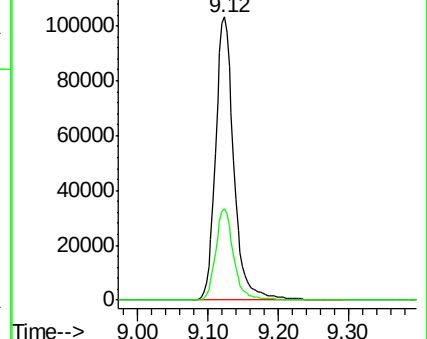
112 100

114 32.3 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 4.72 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

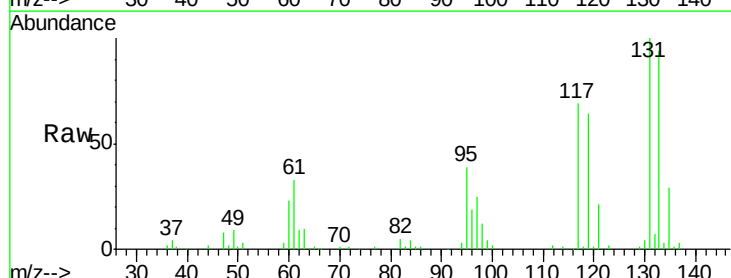
Tgt Ion:131 Resp: 61252

Ion Ratio Lower Upper

131 100

133 95.9 75.8 113.8

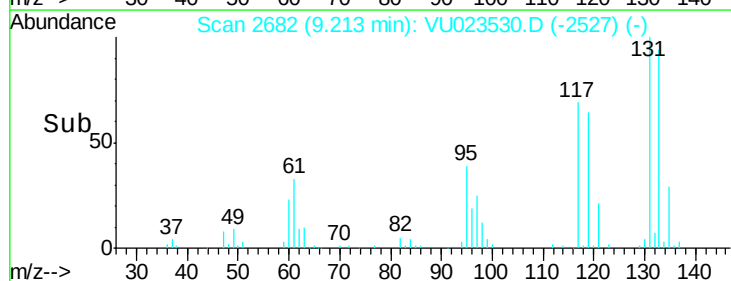
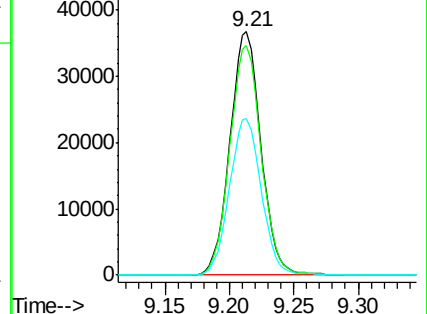
119 66.0 53.0 79.6

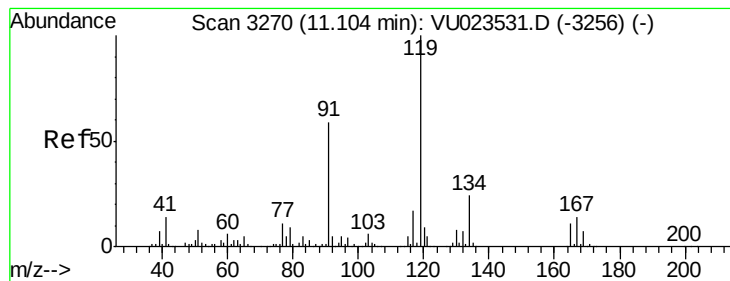


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 4.68 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

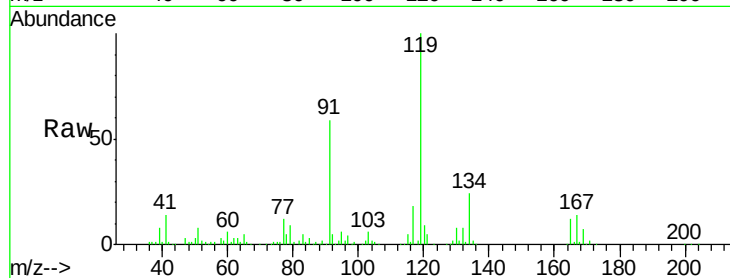
VSTDIC005

Tgt Ion:117 Resp: 44041

Ion Ratio Lower Upper

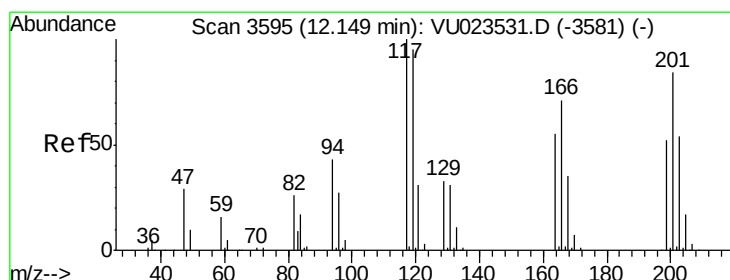
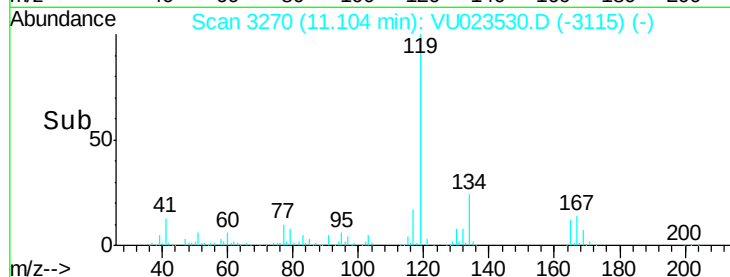
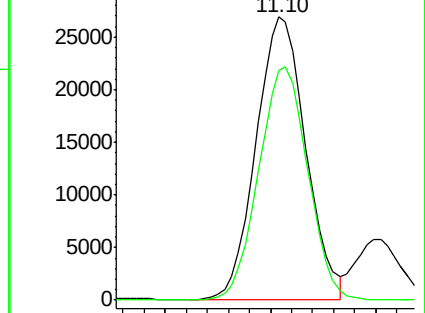
117 100

167 81.3 69.2 103.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 5.07 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU023530.D

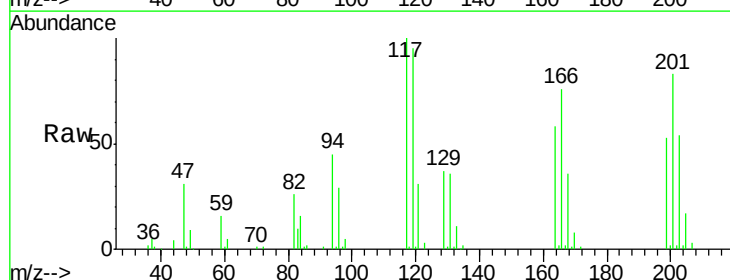
Acq: 30 Apr 2018 16:21

Tgt Ion:117 Resp: 42889

Ion Ratio Lower Upper

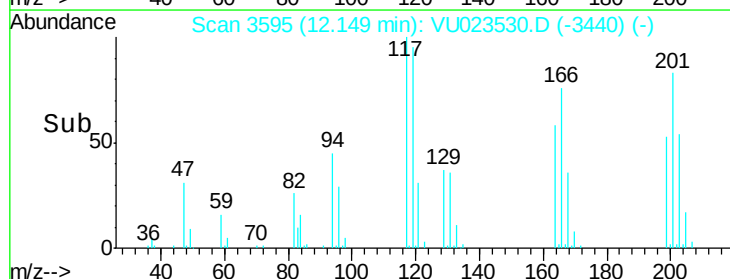
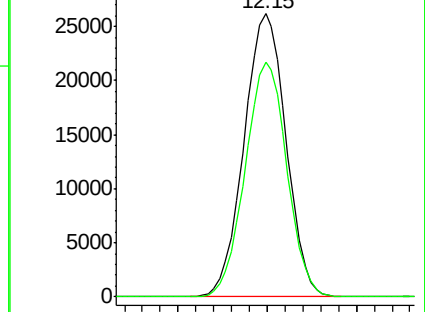
117 100

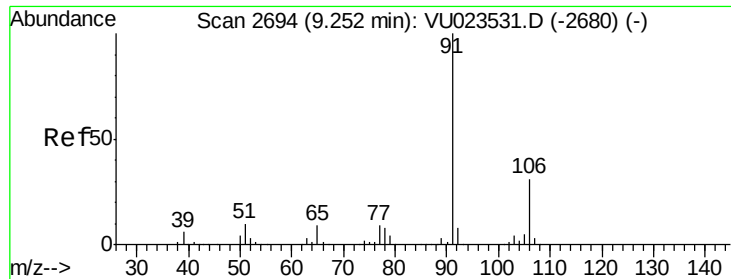
201 82.2 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

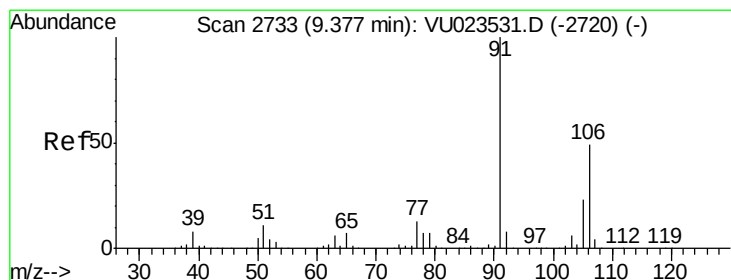
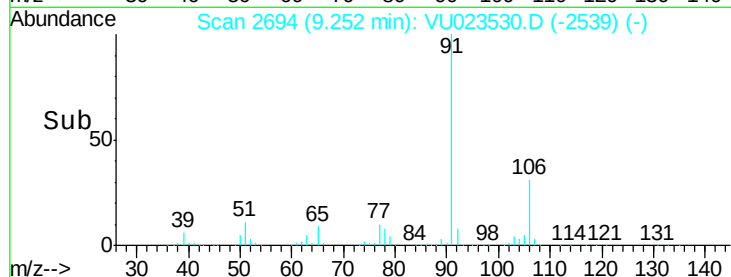
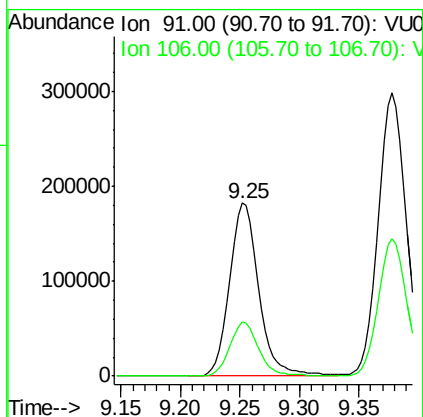
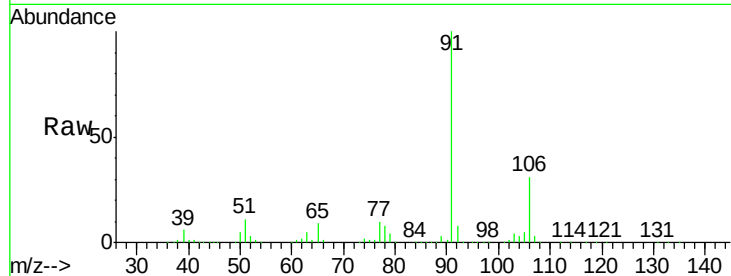




#63
Ethyl Benzene
Concen: 4.90 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

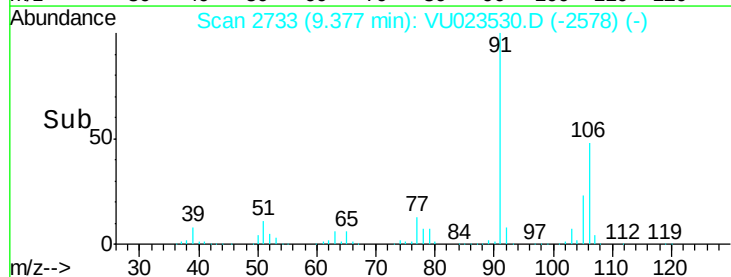
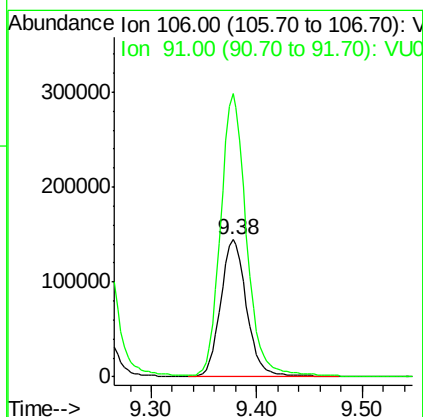
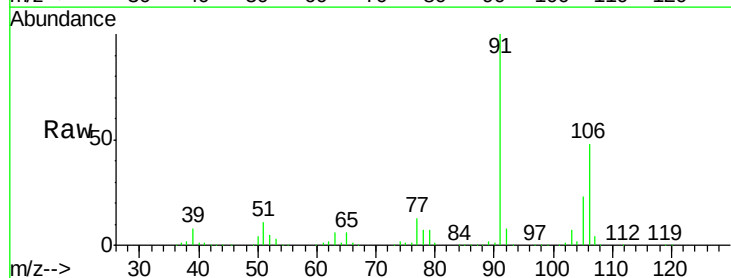
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

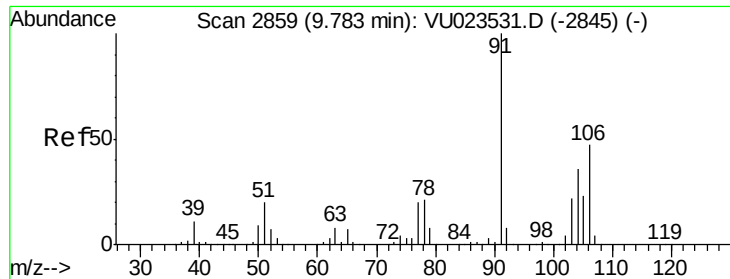
Tgt Ion: 91 Resp: 311157
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1



#64
m/p-Xylenes
Concen: 10.02 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion: 106 Resp: 246249
Ion Ratio Lower Upper
106 100
91 207.5 164.1 246.1

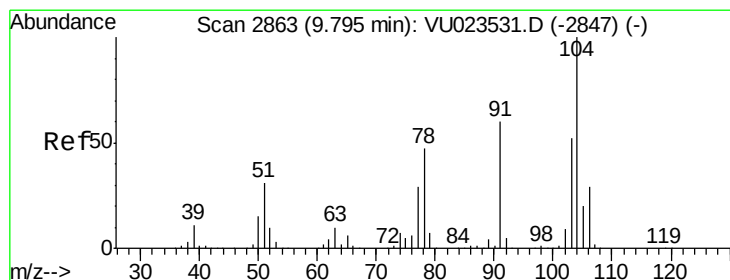
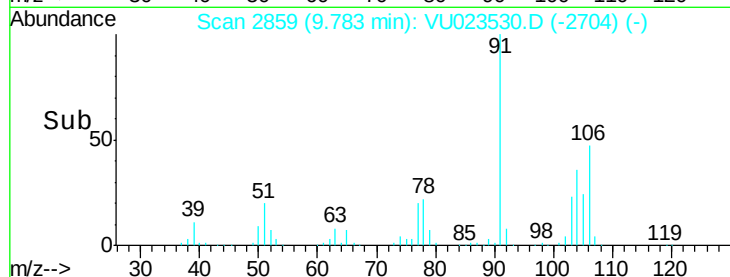
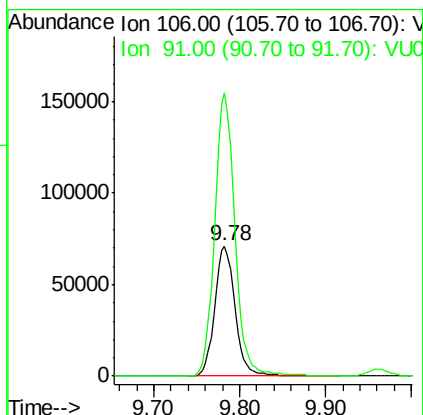
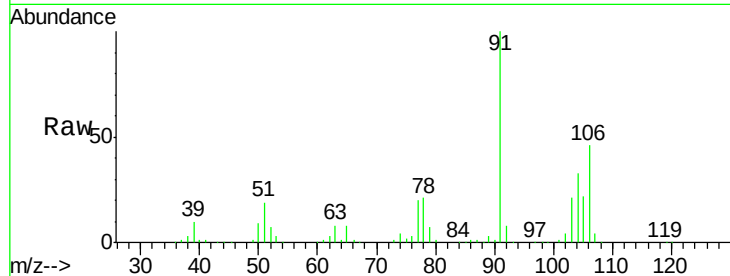




#65
o-Xylene
Concen: 4.85 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

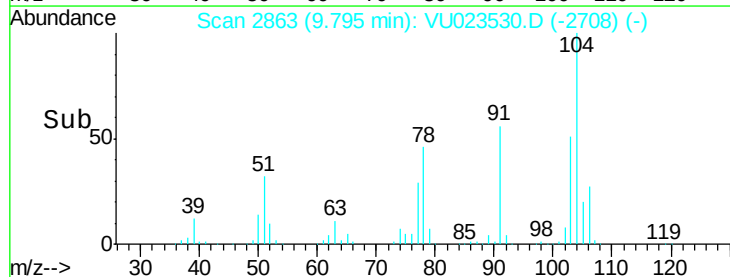
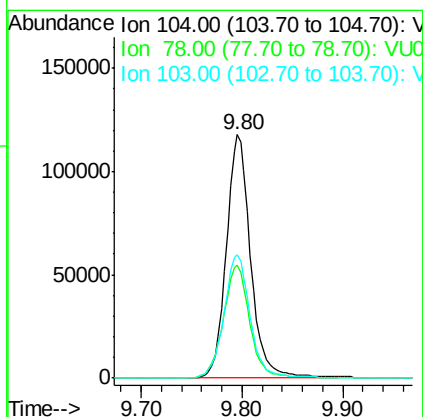
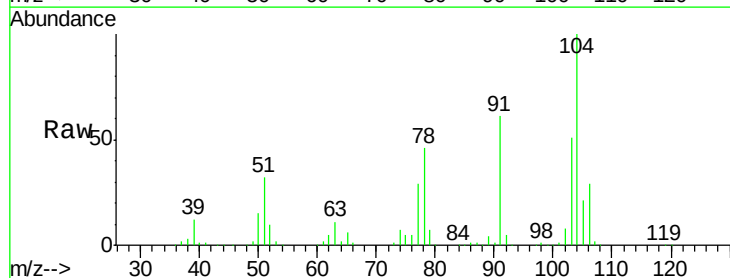
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

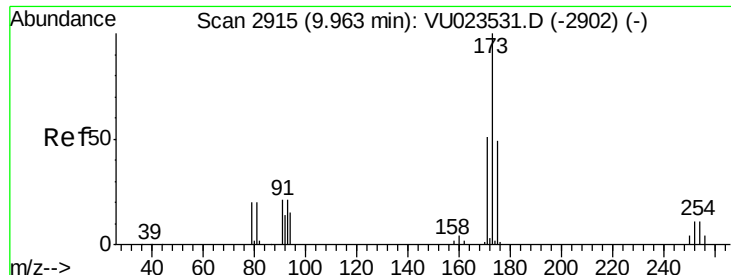
Tgt Ion:106 Resp: 117574
Ion Ratio Lower Upper
106 100
91 216.7 107.9 323.7



#66
Styrene
Concen: 4.95 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion:104 Resp: 198271
Ion Ratio Lower Upper
104 100
78 50.6 40.2 60.2
103 54.8 44.2 66.4





#67

Bromoform

Concen: 4.89 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

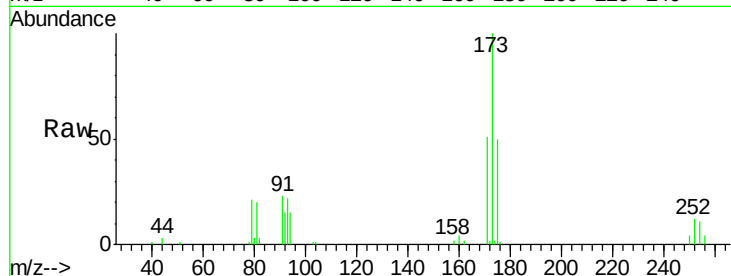
Tgt Ion:173 Resp: 28866

Ion Ratio Lower Upper

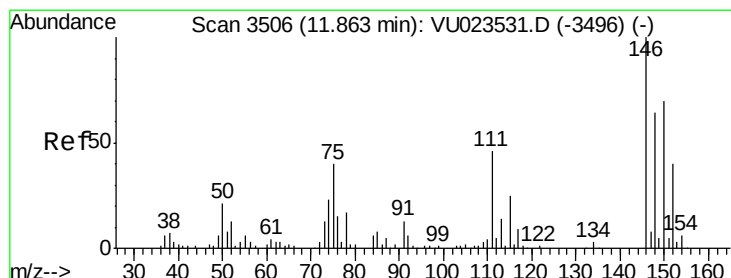
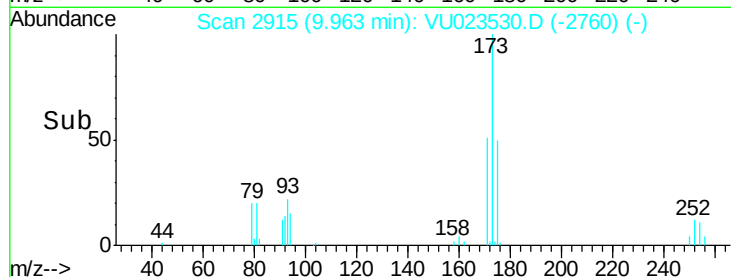
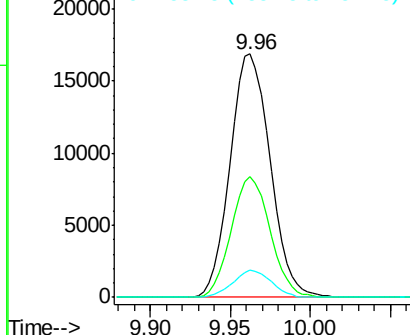
173 100

175 48.1 38.6 57.8

254 10.6 8.8 13.2



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: 4.89 ug/l

RT: 11.86 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

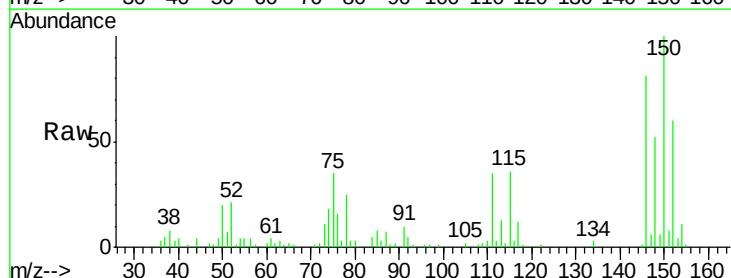
Tgt Ion:152 Resp: 16591

Ion Ratio Lower Upper

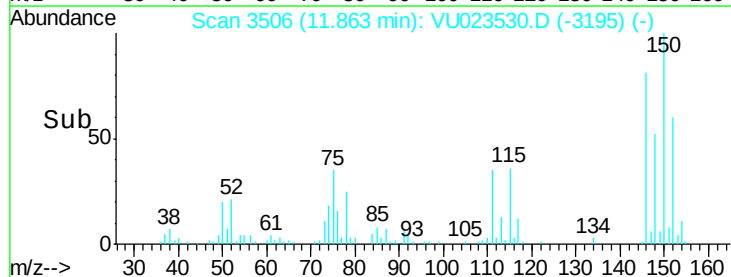
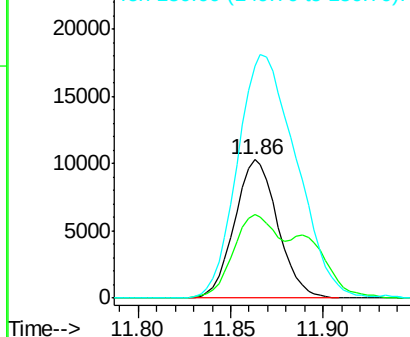
152 100

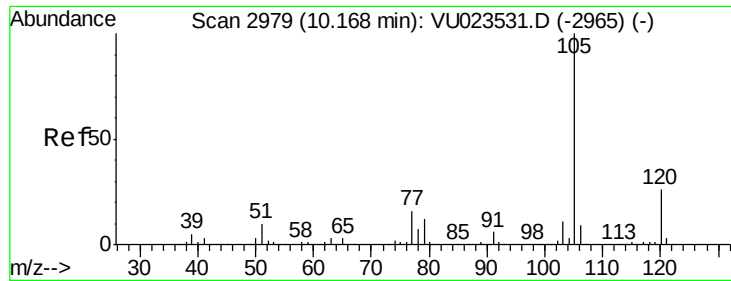
115 63.1 0.0 118.8

150 240.9 0.0 0.0#



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: 4.99 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

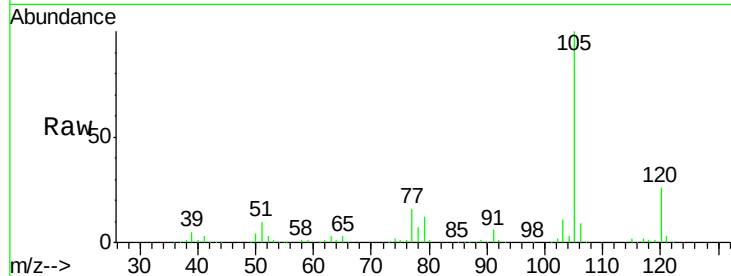
VSTDIC005

Tgt Ion: 105 Resp: 302023

Ion Ratio Lower Upper

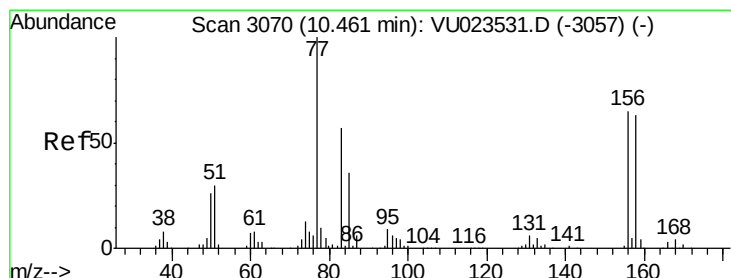
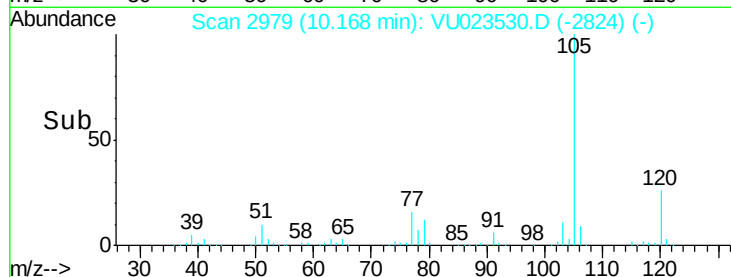
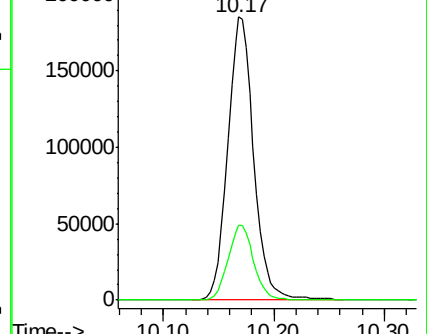
105 100

120 26.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 4.42 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

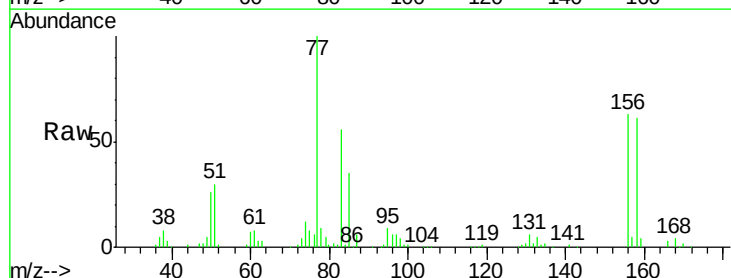
Tgt Ion: 83 Resp: 55774

Ion Ratio Lower Upper

83 100

131 10.1 7.9 11.9

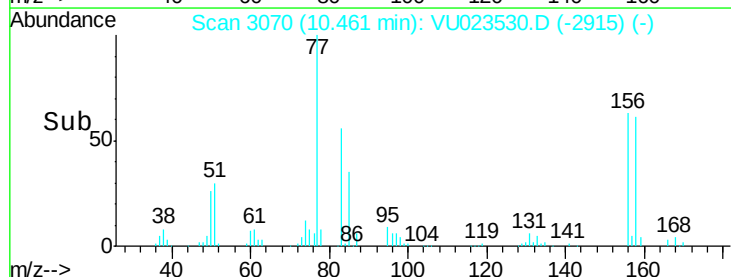
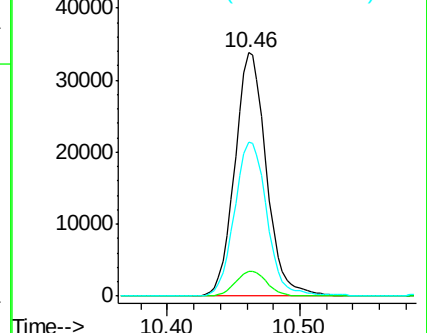
85 65.4 51.8 77.6

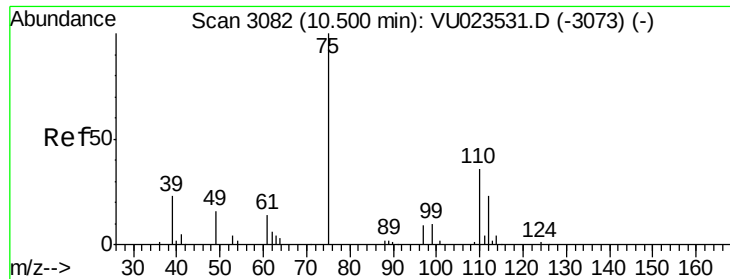


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 7.40 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 68895

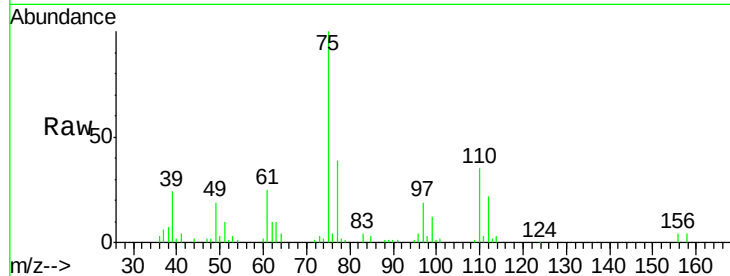
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 21.4 0.0 74.0

97 11.1 0.0 39.6

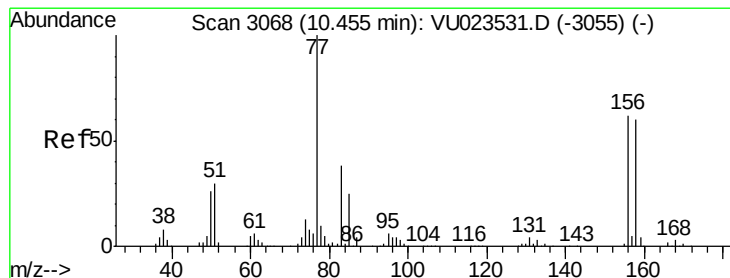
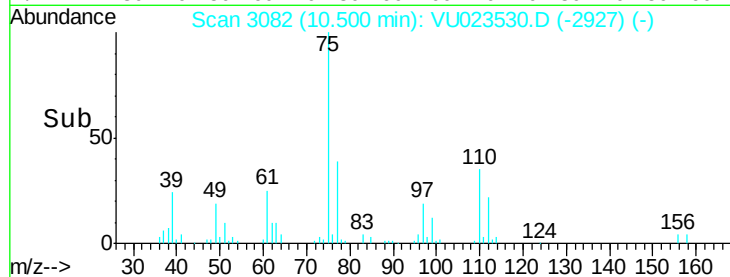
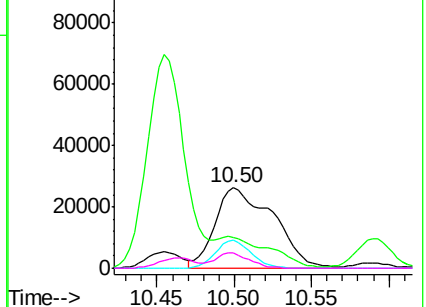


Abundance Ion 75.00 (74.70 to 75.70): VU0

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: 4.51 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

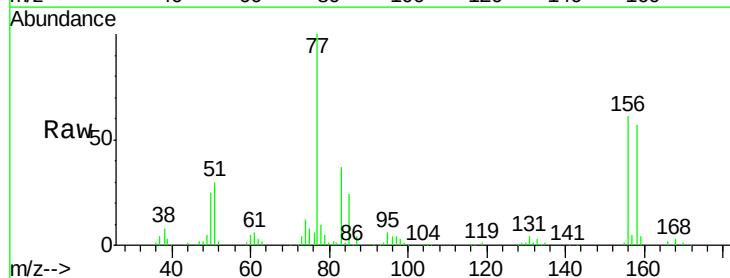
Tgt Ion: 156 Resp: 73332

Ion Ratio Lower Upper

156 100

77 161.4 0.0 309.8

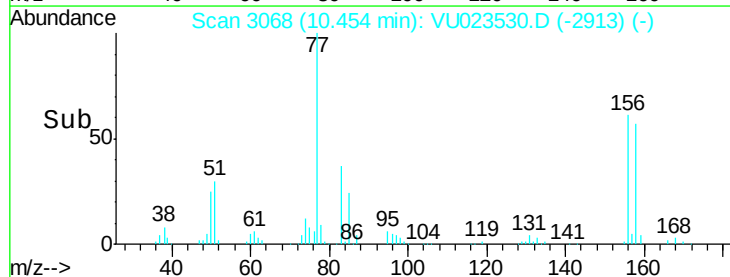
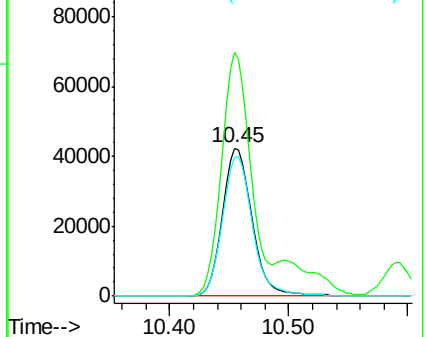
158 95.8 0.0 193.0

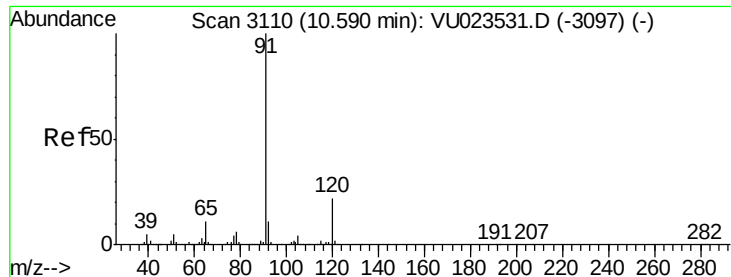


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 5.00 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

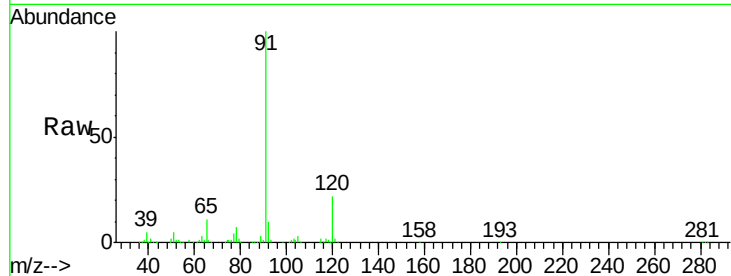
VSTDIC005

Tgt Ion:120 Resp: 85021

Ion Ratio Lower Upper

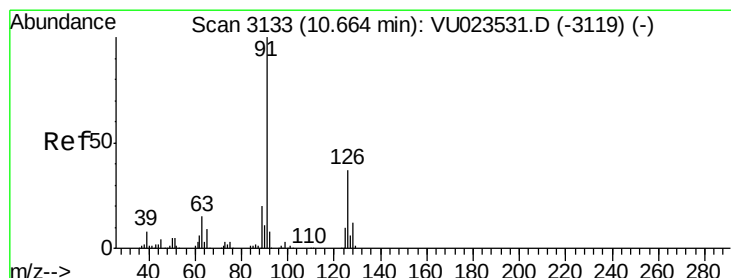
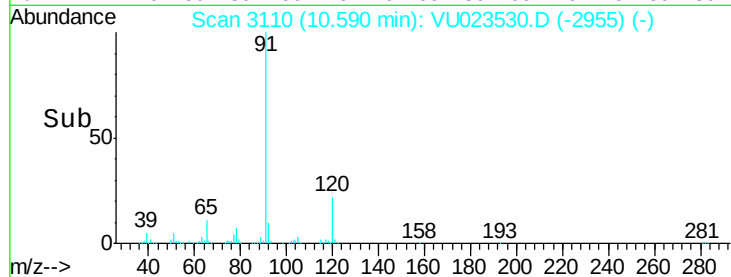
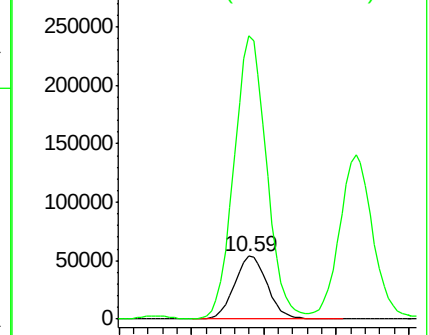
120 100

91 442.3 352.2 528.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 4.84 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU023530.D

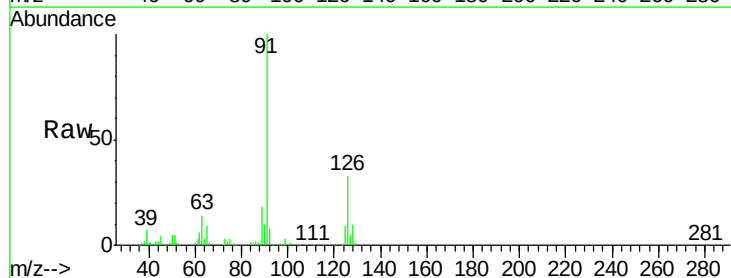
Acq: 30 Apr 2018 16:21

Tgt Ion:126 Resp: 74418

Ion Ratio Lower Upper

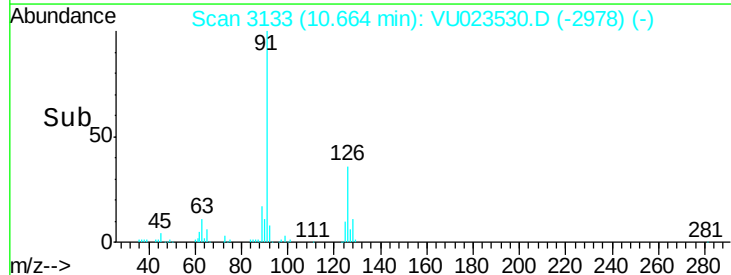
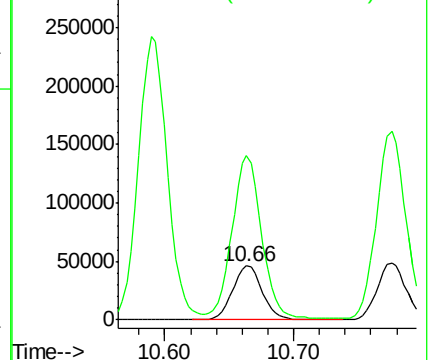
126 100

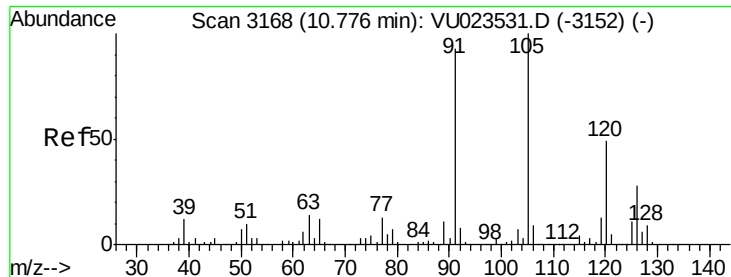
91 303.4 0.0 613.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 5.11 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

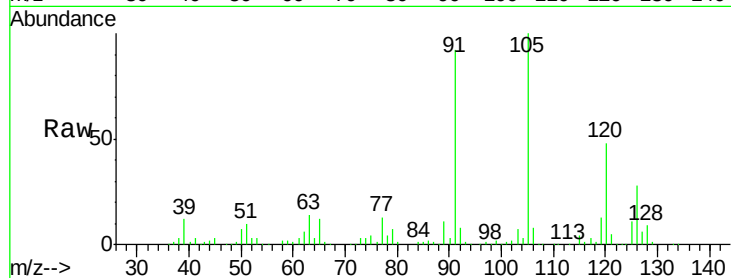
VSTDIC005

Tgt Ion:105 Resp: 265657

Ion Ratio Lower Upper

105 100

120 48.7 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.78

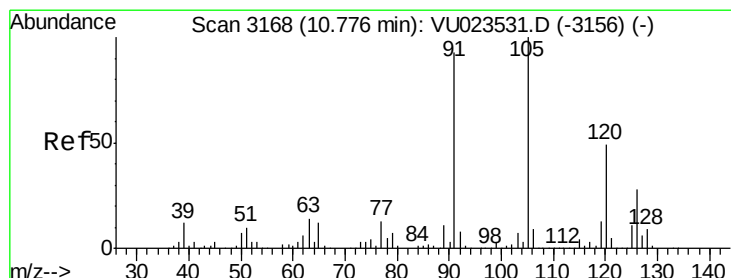
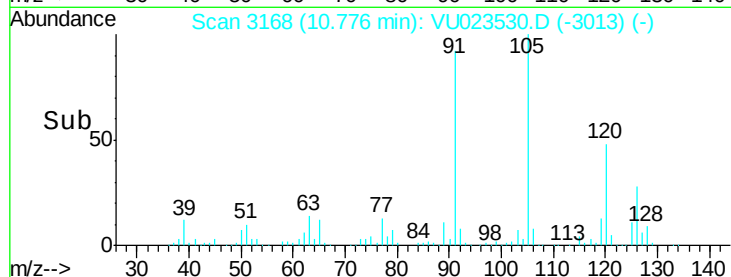
150000

100000

50000

0

Time-->



#76

4-Chlorotoluene

Concen: 4.85 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU023530.D

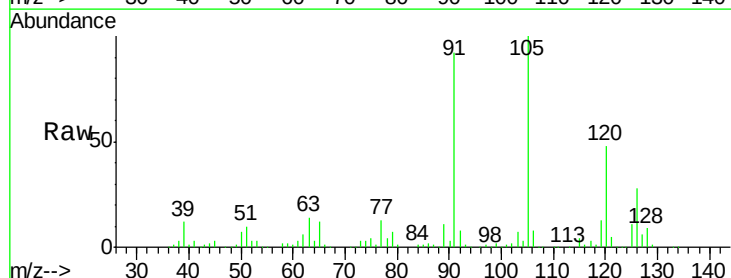
Acq: 30 Apr 2018 16:21

Tgt Ion:126 Resp: 77238

Ion Ratio Lower Upper

126 100

91 332.2 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.78

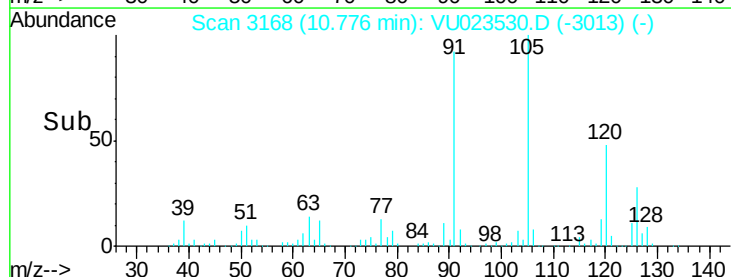
150000

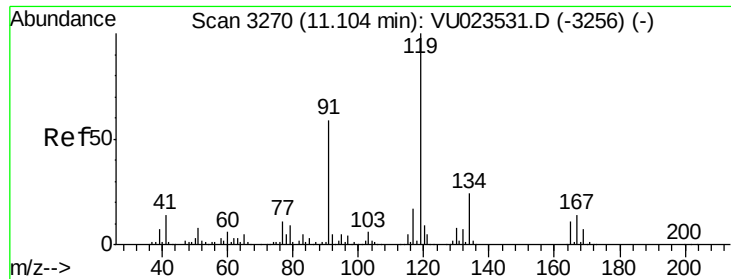
100000

50000

0

Time-->

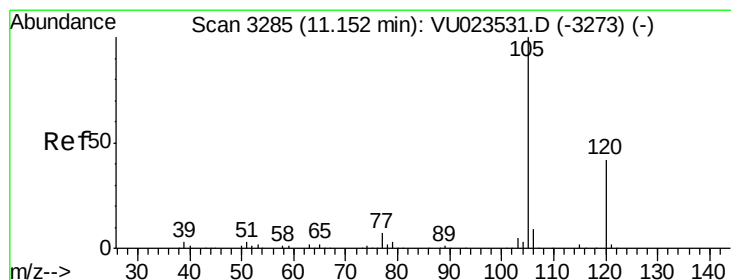
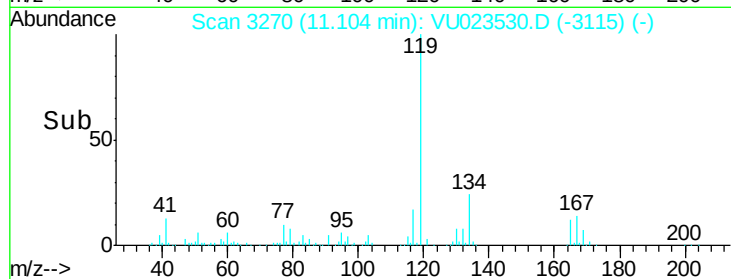
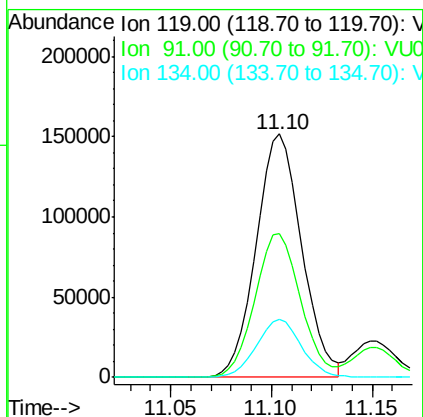
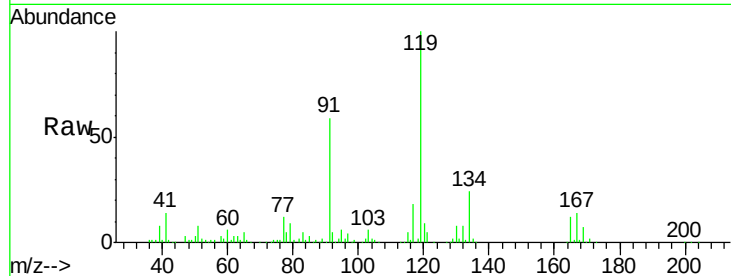




#77
 tert-Butylbenzene
 Concen: 4.85 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

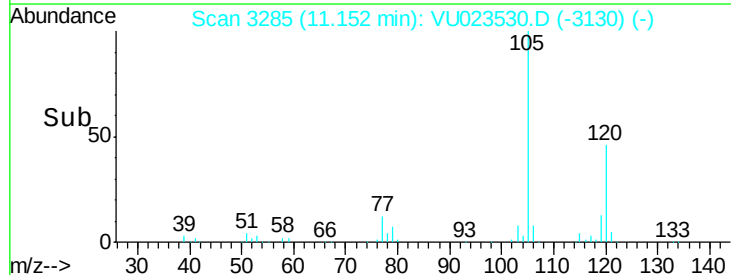
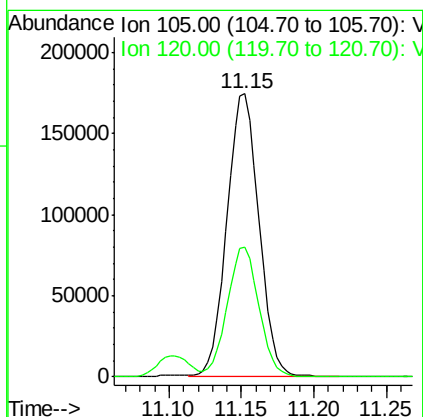
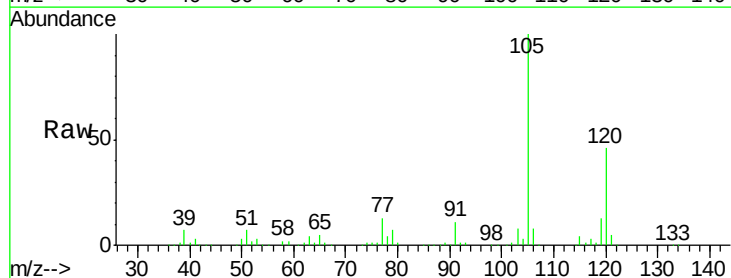
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

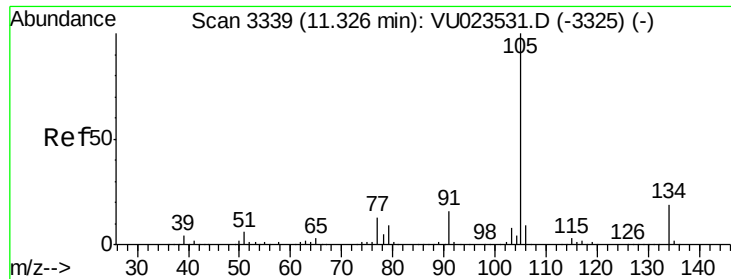
Tgt Ion	Ratio	Lower	Upper
119	100		
91	59.6	29.6	88.8
134	23.9	19.1	28.7



#78
 1,2,4-Trimethylbenzene
 Concen: 5.01 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.1	69.3

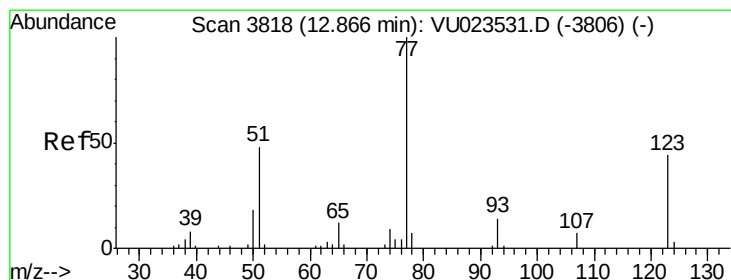
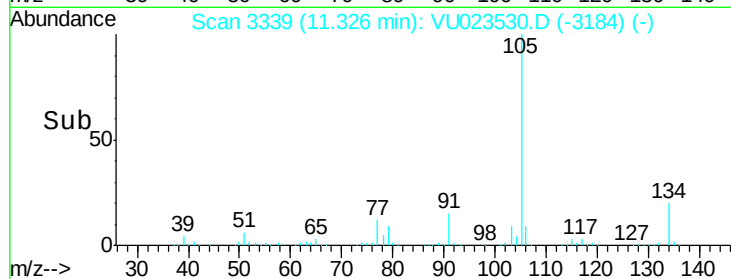
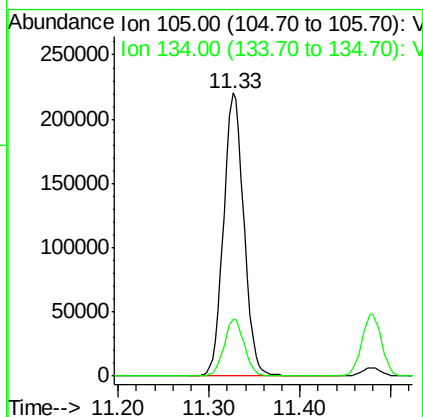
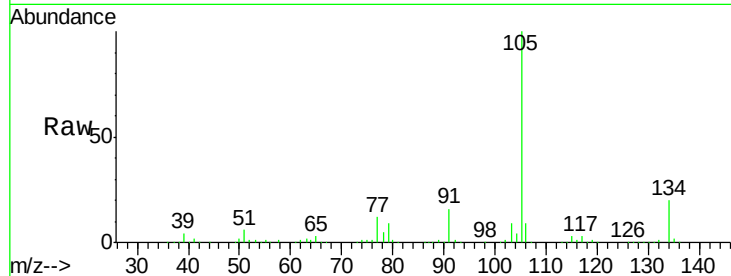




#79
 sec-Butylbenzene
 Concen: 5.15 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

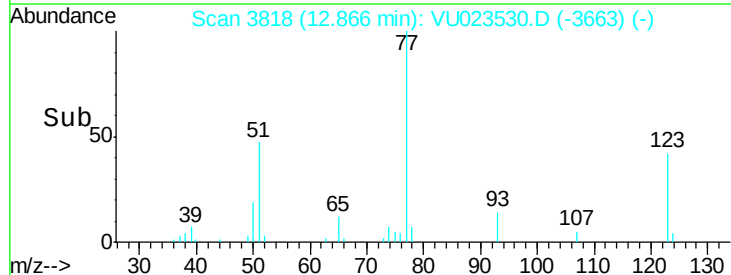
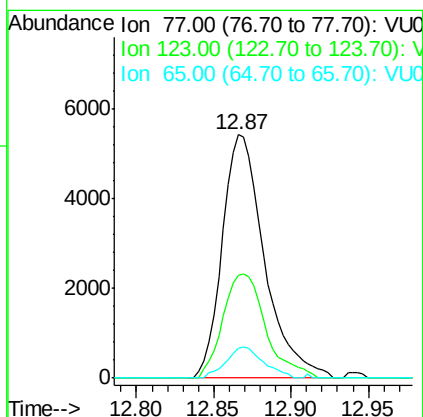
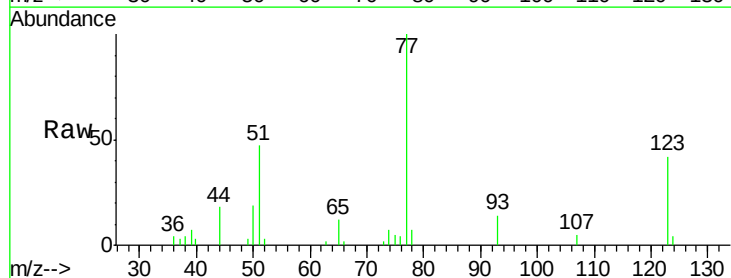
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

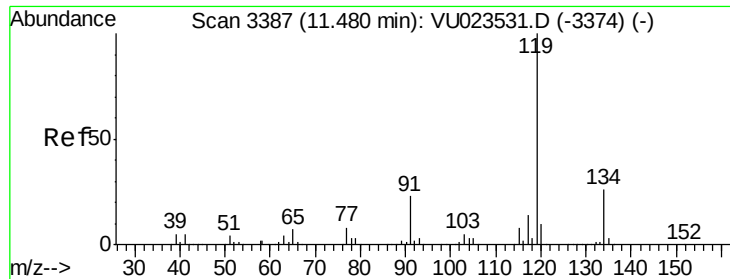
Tgt Ion: 105 Resp: 342599
 Ion Ratio Lower Upper
 105 100
 134 19.9 15.6 23.4



#80
 Nitrobenzene
 Concen: 35.78 ug/l
 RT: 12.87 min Scan# 3818
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion: 77 Resp: 10229
 Ion Ratio Lower Upper
 77 100
 123 43.5 19.4 68.6
 65 11.3 11.2 14.2

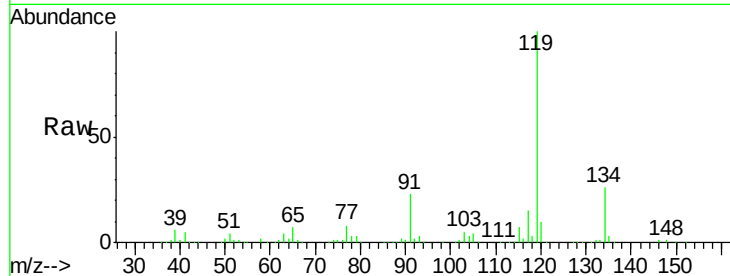




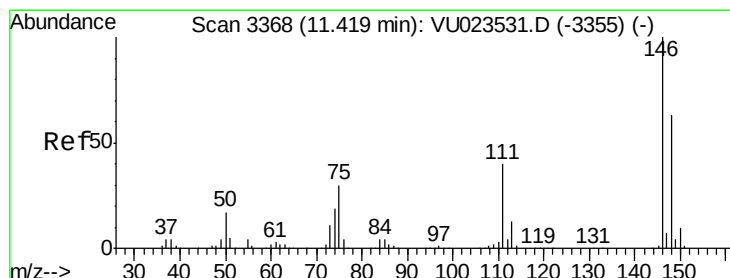
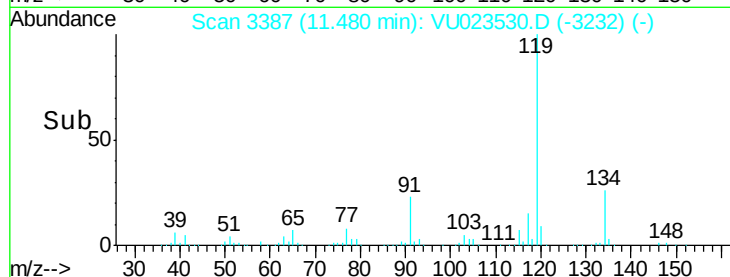
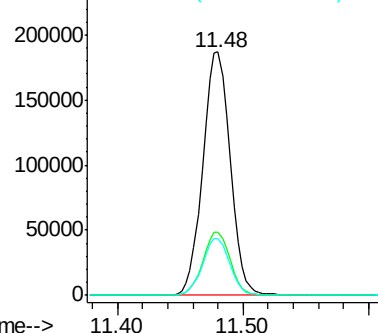
#81
 p-Isopropyltoluene
 Concen: 5.08 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.9	31.3
91	23.5	18.2	27.2

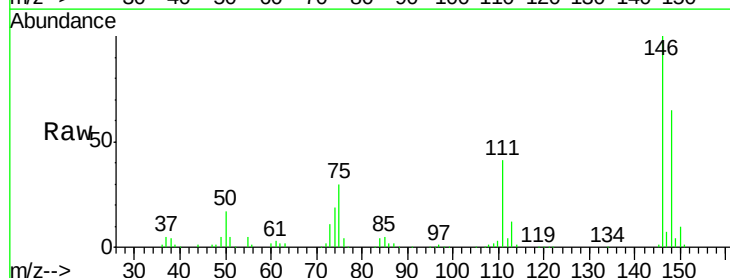


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

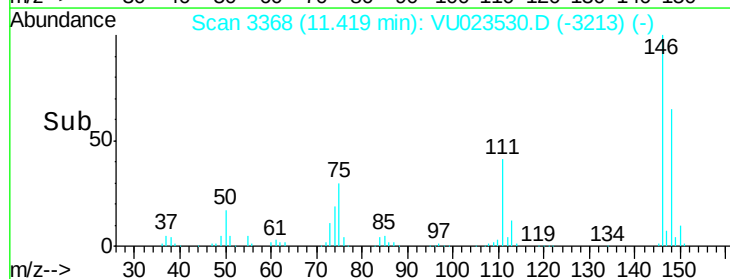
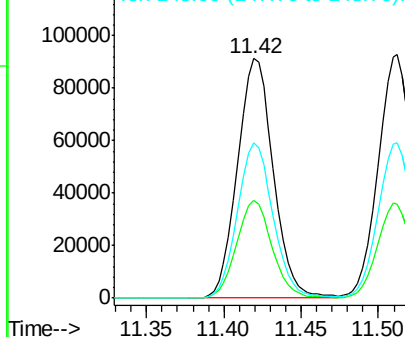


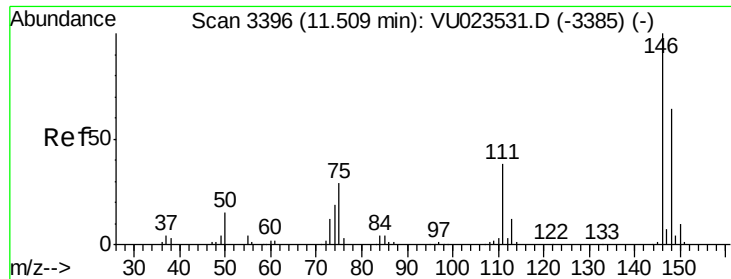
#82
 1,3-Dichlorobenzene
 Concen: 4.66 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	31.8	47.6
148	64.4	51.0	76.4



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

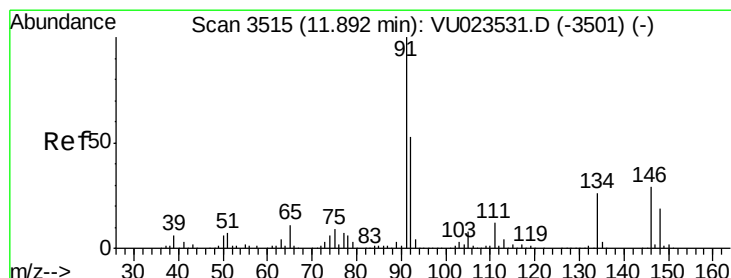
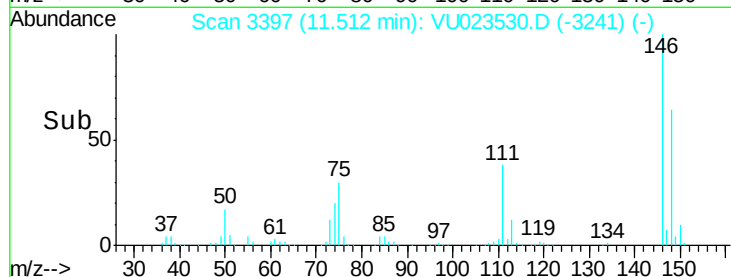
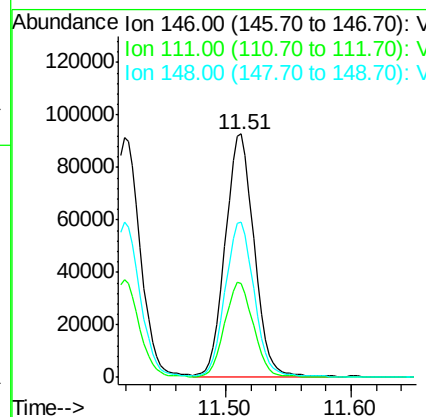
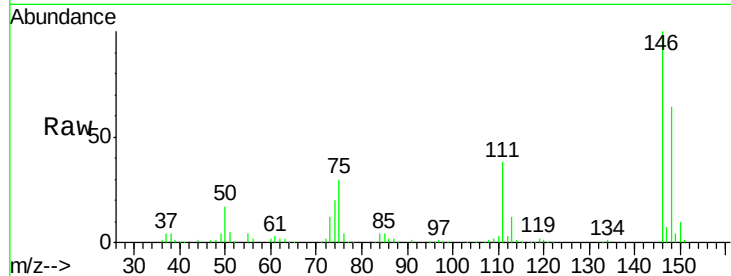




#83
 1,4-Dichlorobenzene
 Concen: 4.63 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

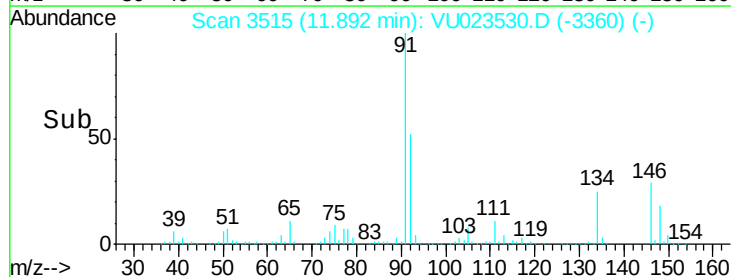
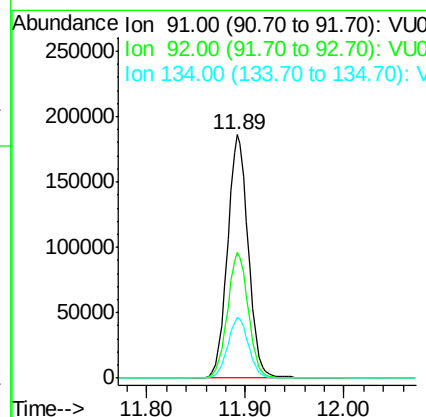
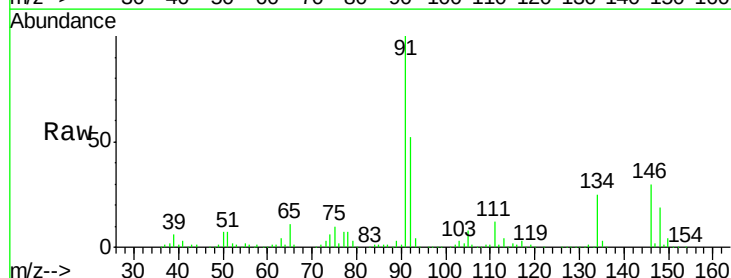
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

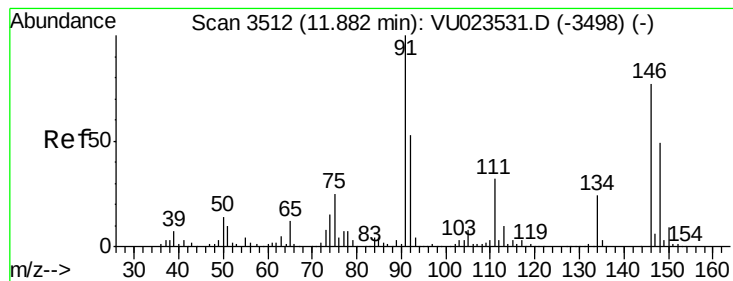
Tgt Ion: 146 Resp: 147897
 Ion Ratio Lower Upper
 146 100
 111 38.6 30.1 45.1
 148 64.4 50.6 76.0



#84
 n-Butylbenzene
 Concen: 5.21 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion: 91 Resp: 274691
 Ion Ratio Lower Upper
 91 100
 92 51.8 42.2 63.2
 134 25.2 20.3 30.5





#85

1,2-Dichlorobenzene

Concen: 4.54 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

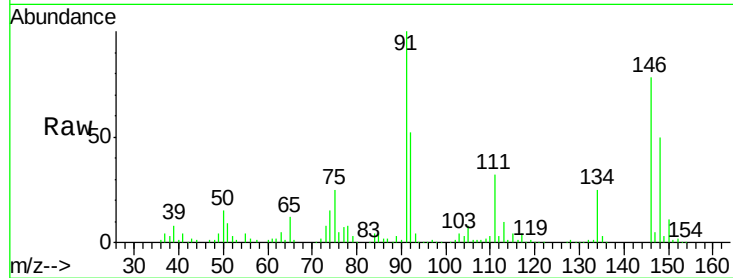
Tgt Ion:146 Resp: 134014

Ion Ratio Lower Upper

146 100

111 40.9 20.7 62.1

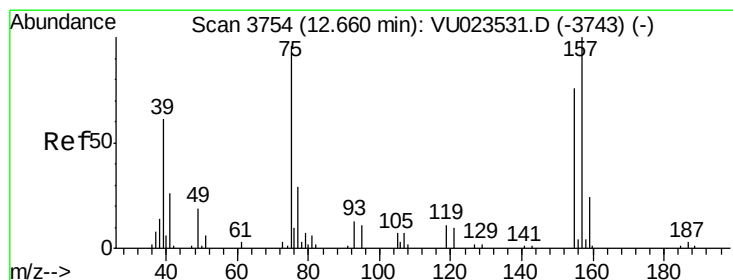
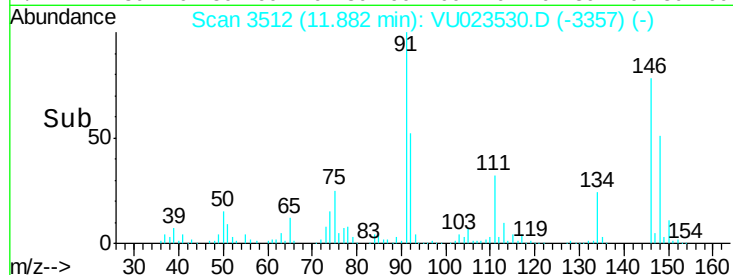
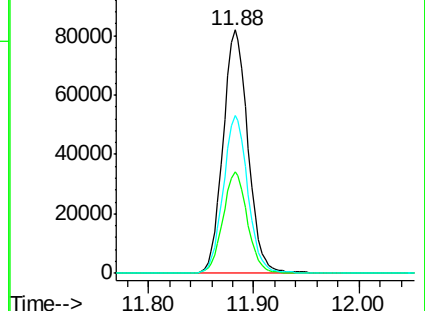
148 63.7 31.9 95.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 4.67 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

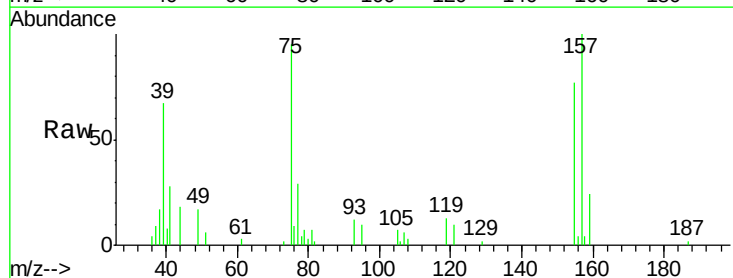
Tgt Ion: 75 Resp: 7904

Ion Ratio Lower Upper

75 100

155 84.2 65.8 98.6

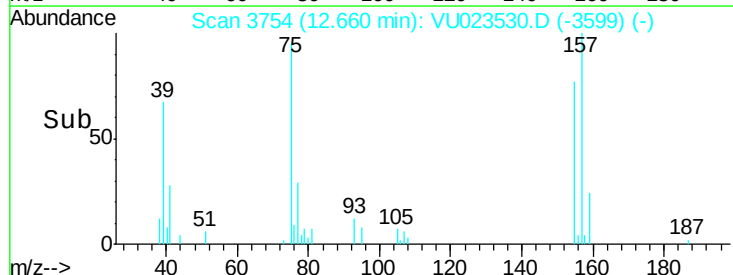
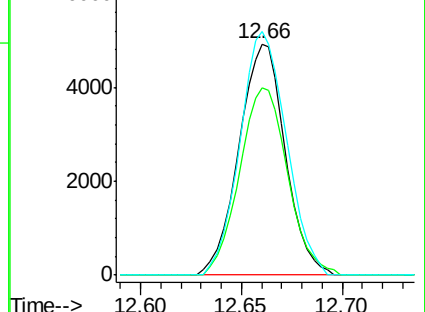
157 105.9 83.5 125.3

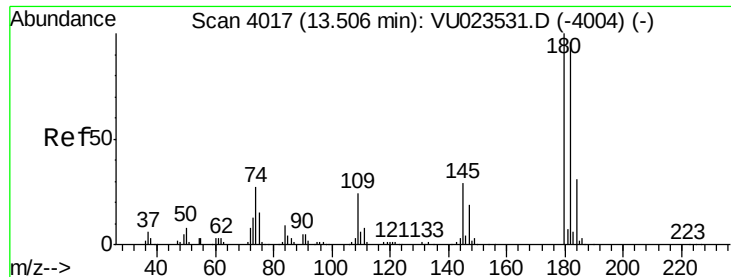


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

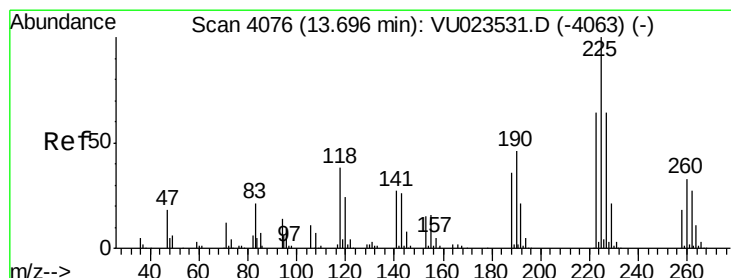
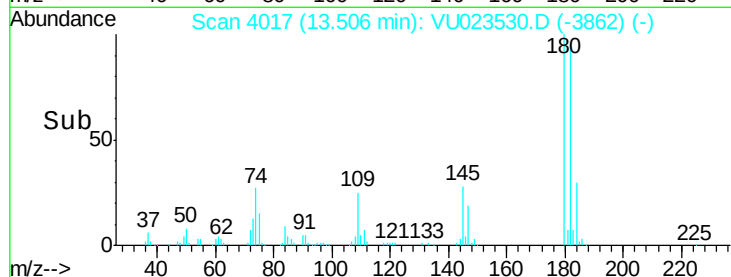
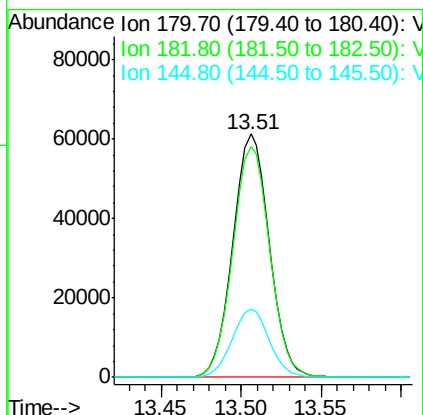
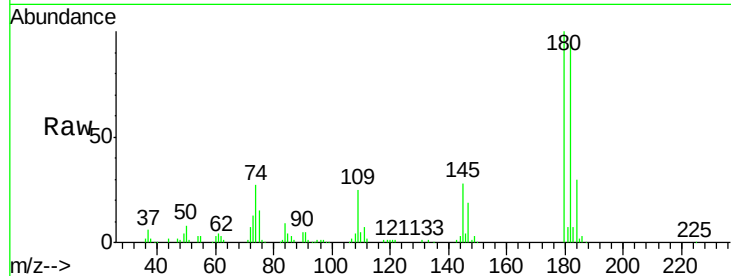




#87
 1,2,4-Trichlorobenzene
 Concen: 4.57 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

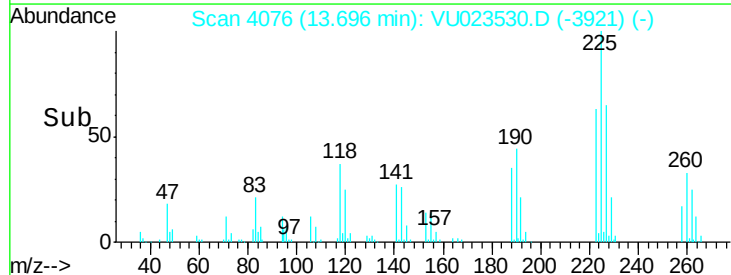
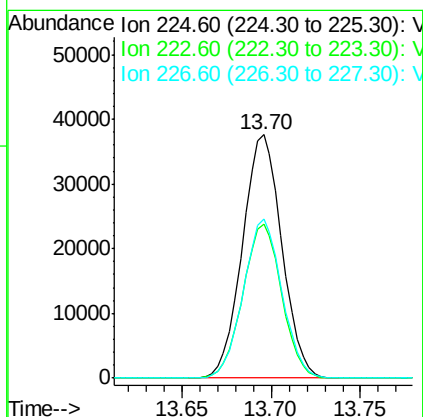
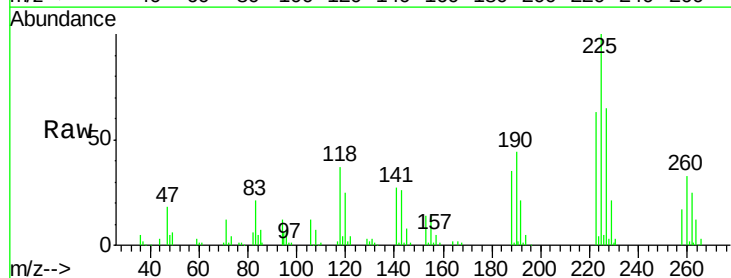
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

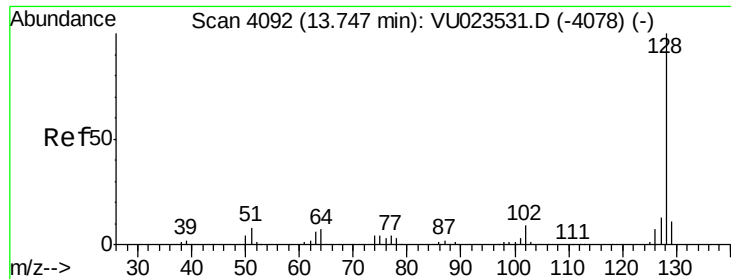
Tgt Ion:180 Resp: 94919
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.1 115.7
 145 28.6 23.3 34.9



#88
 Hexachlorobutadiene
 Concen: 5.06 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion:225 Resp: 57869
 Ion Ratio Lower Upper
 225 100
 223 62.4 50.6 75.8
 227 63.9 51.8 77.6





#89

Naphthalene

Concen: 4.47 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

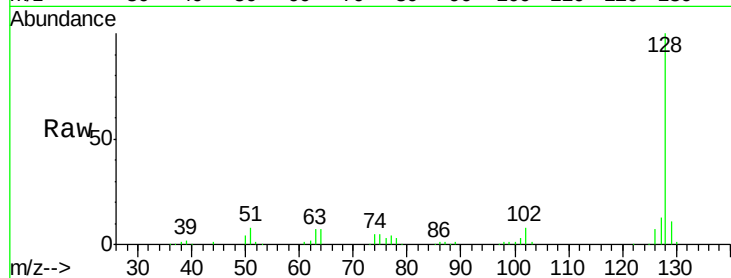
Tgt Ion:128 Resp: 146729

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

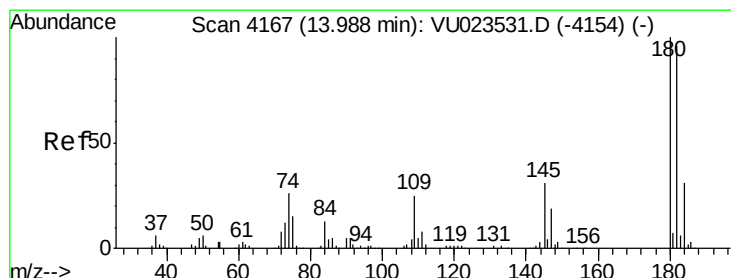
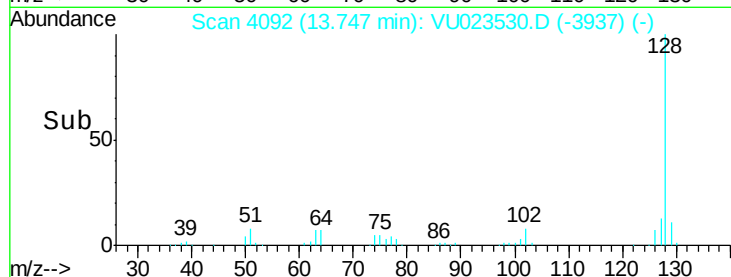
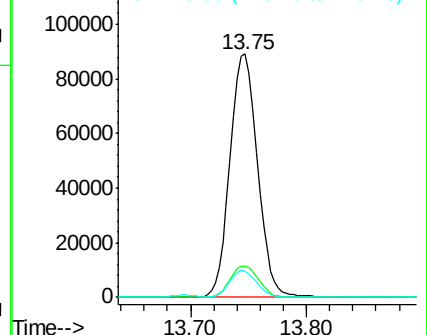
129 10.8 8.7 13.1



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: 4.58 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

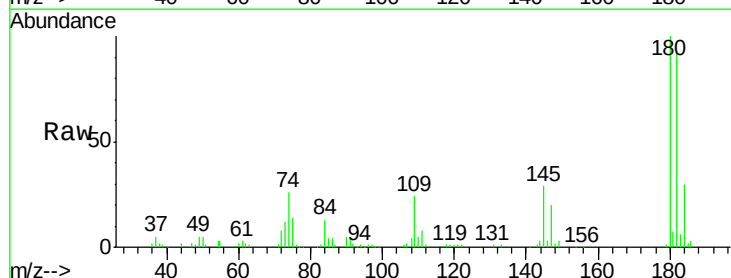
Tgt Ion:180 Resp: 90062

Ion Ratio Lower Upper

180 100

182 94.8 76.8 115.2

145 29.8 24.6 36.8



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

