

Data File : VU023543.D

Acq On : 30 Apr 2018 22:54

Operator : MD/SY

Sample : VSTDCCC020

Misc : 25.0mL/MSVOA_U/WATER

ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Quant Time: May 01 05:13:45 2018

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

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Tue May 01 05:06:52 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	50538	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	17583	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	15785	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	160490	9.78	ug/l	100
3) Chloromethane	1.33	50	176469	9.28	ug/l	99
4) Vinyl Chloride	1.40	62	175979	9.65	ug/l	99
5) Bromomethane	1.63	94	101638	10.42	ug/l	100
6) Chloroethane	1.70	64	96203	9.48	ug/l	98
7) Trichlorofluoromethane	1.89	101	204509	9.77	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	122237	9.50	ug/l	99
9) 1,1-Dichloroethene	2.29	96	113615	9.51	ug/l	97
10) Iodomethane	2.41	142	139283	9.81	ug/l	99
11) Allyl Chloride	2.60	41	207578	9.46	ug/l	100
12) Acrylonitrile	2.95	53	50745	20.59	ug/l	97
13) Acetone	2.35	43	86968	41.58	ug/l	98
14) Carbon Disulfide	2.48	76	379487	9.66	ug/l	100
15) Methylene Chloride	2.70	84	123541	9.08	ug/l	99
16) trans-1,2-Dichloroethene	2.99	96	121778	9.52	ug/l	99
17) 1,1-Dichloroethane	3.45	63	241265	9.57	ug/l	99
18) 2-Butanone	4.30	43	160868	47.60	ug/l	100
19) Cyclohexane	4.99	56	209051	9.60	ug/l	100
20) Methylcyclohexane	6.41	83	222032	9.99	ug/l	99
21) 2,2-Dichloropropane	4.23	77	176548	8.83	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	133481	9.64	ug/l	99
23) Diethyl Ether	2.11	59	95374	9.77	ug/l	99
24) tert-Butyl Alcohol	2.89	59	65914	92.75	ug/l #	86
25) Methyl tert-Butyl Ether	3.01	73	292346	9.74	ug/l	100
26) Bromochloromethane	4.55	128	54898	10.03	ug/l	96
27) Chloroform	4.68	83	229538	9.67	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	190468	9.78	ug/l	99
29) 1,1-Dichloropropene	5.13	75	182960	9.58	ug/l	100
30) Carbon Tetrachloride	5.13	117	163035	9.95	ug/l	99
31) Isopropyl Ether	3.58	45	404920	9.52	ug/l	99
32) Ethyl-t-butyl ether	4.08	59	352300	9.69	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	300245	9.76	ug/l	99
34) Propionitrile	4.37	54	46121	47.93	ug/l #	95
35) Benzene	5.39	78	572897	10.09	ug/l	99
36) 1,2-Dichloroethane	5.41	62	160075	9.97	ug/l	100
37) Trichloroethene	6.18	130	143256	9.40	ug/l	97
38) 1,2-Dichloropropane	6.44	63	153725	9.87	ug/l	98
39) Methacrylonitrile	4.56	41	46699	9.49	ug/l	95
40) Methyl acrylate	4.44	55	68878	10.09	ug/l	99
41) Tetrahydrofuran	4.67	42	45773	18.05	ug/l	99
42) 1-Chlorobutane	5.07	56	270859	9.78	ug/l	99

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Tue May 01 05:06:52 2018

Response via : Initial Calibration

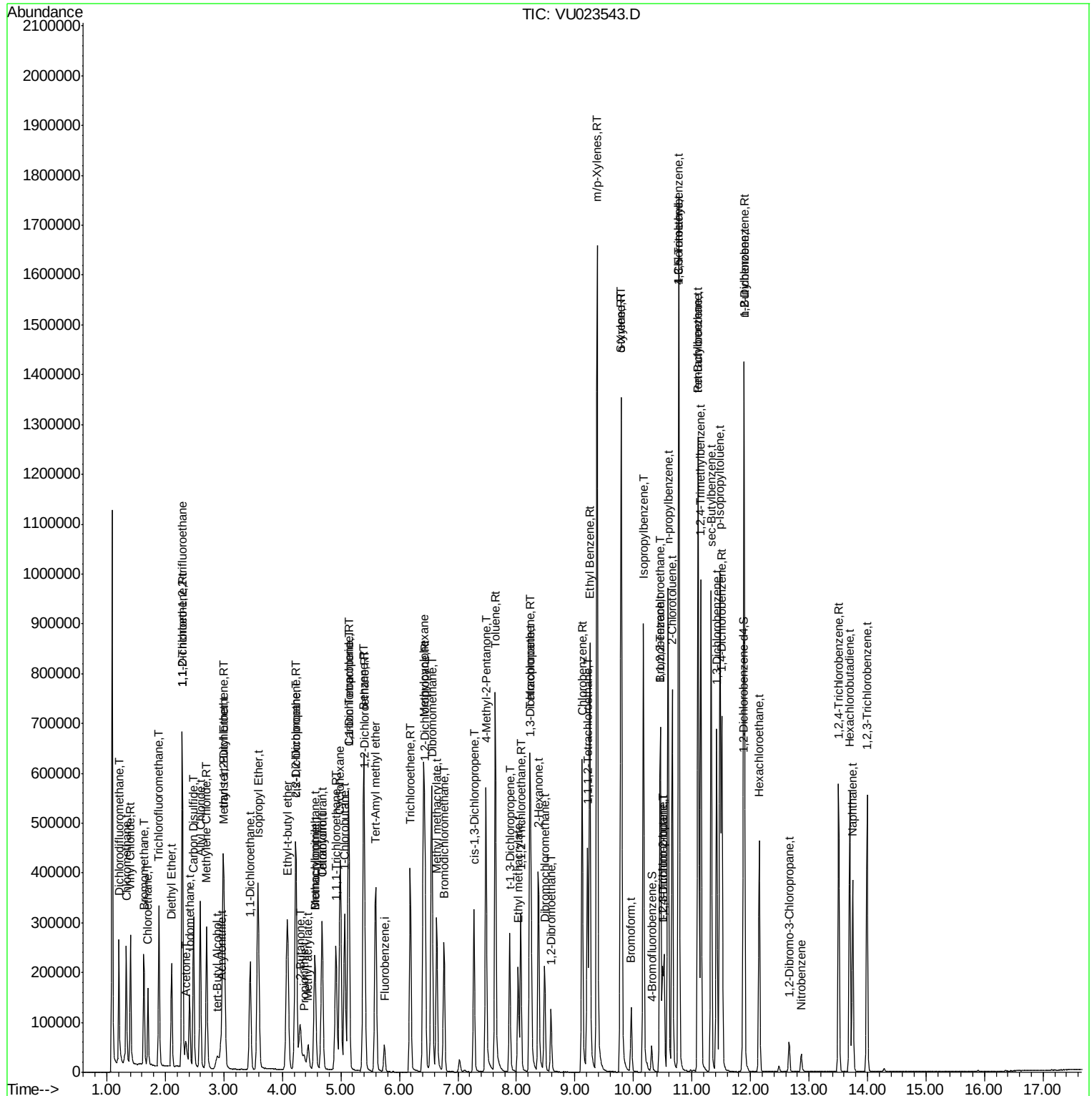
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	67236	10.04	ug/l	99
44) Bromodichloromethane	6.76	83	168858	10.03	ug/l	99
45) 4-Methyl-2-Pentanone	7.48	43	418229	52.84	ug/l	99
46) t-1,4-Dichloro-2-butene	10.50	75	135786	58.02	ug/l #	40
47) Methyl methacrylate	6.64	69	127390	20.99	ug/l	99
48) Ethyl methacrylate	8.03	69	113972	10.74	ug/l	99
49) Toluene	7.64	92	339154	10.34	ug/l	98
50) t-1,3-Dichloropropene	7.89	75	151613	10.55	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	190298	10.18	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	96446	10.12	ug/l	99
53) 1,3-Dichloropropane	8.25	76	173794	10.26	ug/l	100
54) 2-Hexanone	8.37	43	282445	52.38	ug/l	100
55) Dibromochloromethane	8.48	129	108185	10.36	ug/l	99
56) 1,2-Dibromoethane	8.59	107	84364	10.27	ug/l	99
58) Tetrachloroethene	8.23	164	142847	10.28	ug/l	97
59) Chlorobenzene	9.12	112	360477	10.27	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	120547	10.11	ug/l	99
61) Pentachloroethane	11.10	117	83798	9.90	ug/l	96
62) Hexachloroethane	12.15	117	81668	10.05	ug/l	99
63) Ethyl Benzene	9.25	91	624609	10.70	ug/l	99
64) m/p-Xylenes	9.38	106	494127	21.96	ug/l	100
65) o-Xylene	9.78	106	232689	10.74	ug/l	98
66) Styrene	9.80	104	403828	11.30	ug/l	100
67) Bromoform	9.96	173	58236	10.68	ug/l	100
69) Isopropylbenzene	10.17	105	601906	10.78	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	112087	10.44	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	135786	17.66	ug/l #	75
72) Bromobenzene	10.46	156	144854	10.42	ug/l	96
73) n-propylbenzene	10.59	120	169549	10.99	ug/l	100
74) 2-Chlorotoluene	10.66	126	148246	10.87	ug/l	98
75) 1,3,5-Trimethylbenzene	10.78	105	527292	11.21	ug/l	99
76) 4-Chlorotoluene	10.78	126	152500	10.79	ug/l	99
77) tert-Butylbenzene	11.10	119	471253	10.70	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	530234	11.17	ug/l	99
79) sec-Butylbenzene	11.33	105	667689	10.82	ug/l	100
80) Nitrobenzene	12.87	77	21055	47.47	ug/l	98
81) p-Isopropyltoluene	11.48	119	561129	11.07	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	284979	10.27	ug/l	100
83) 1,4-Dichlorobenzene	11.51	146	290503	10.49	ug/l	100
84) n-Butylbenzene	11.89	91	531301	10.73	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	256112	10.23	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	15437	10.18	ug/l	98
87) 1,2,4-Trichlorobenzene	13.51	180	184284	10.17	ug/l	99
88) Hexachlorobutadiene	13.70	225	108760	9.90	ug/l	100
89) Naphthalene	13.75	128	301054	11.04	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	174645	10.27	ug/l	100

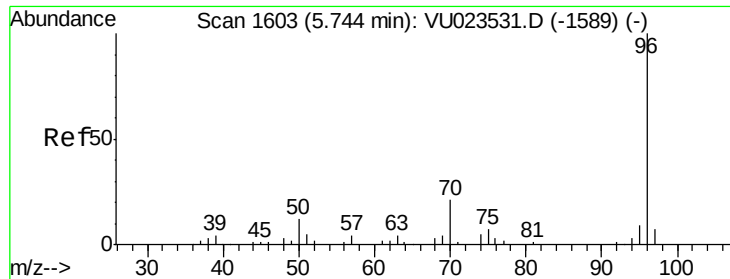
(#)=qualifier out of range (m)=manual integration (+)=signals summed

ALS Vial : 18 Sample Multiplier: 1

VIDEOCONFERENCES

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: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 96 Resp: 50538

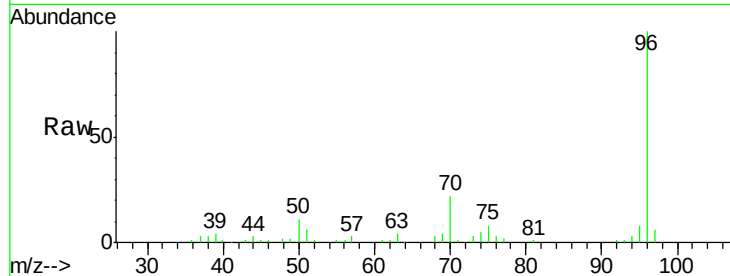
Ion Ratio Lower Upper

96 100

70 21.7 16.2 24.4

95 8.5 6.9 10.3

97 0.0 0.0 0.0

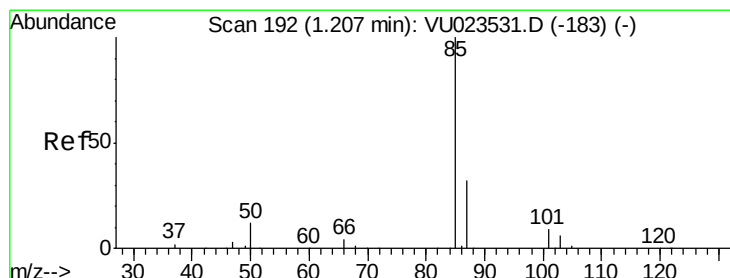
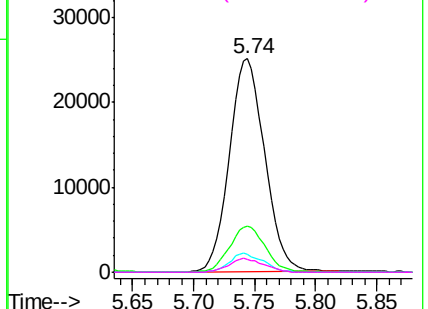
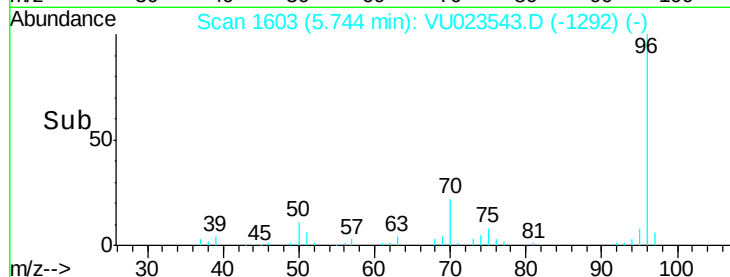


Abundance Ion 96.00 (95.70 to 96.70): VU023543.D (-1292) (-)

Ion 70.00 (69.70 to 70.70): VU023543.D (-1292) (-)

Ion 95.00 (94.70 to 95.70): VU023543.D (-1292) (-)

Ion 97.00 (96.70 to 97.70): VU023543.D (-1292) (-)



#2

Dichlorodifluoromethane

Concen: 9.78 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU023543.D

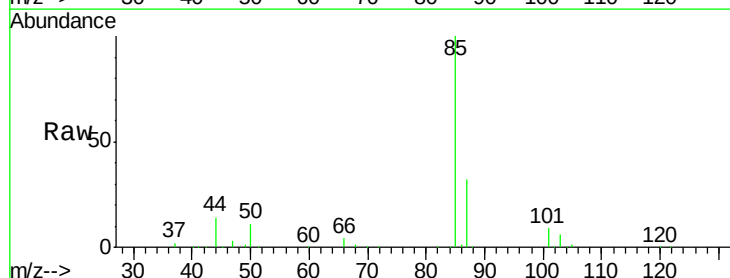
Acq: 30 Apr 2018 22:54

Tgt Ion: 85 Resp: 160490

Ion Ratio Lower Upper

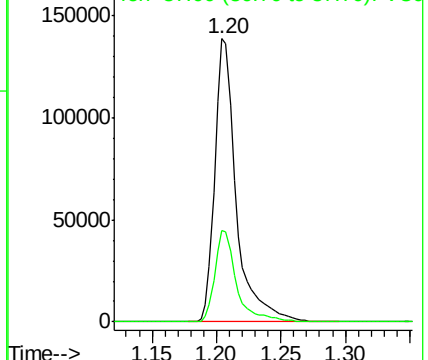
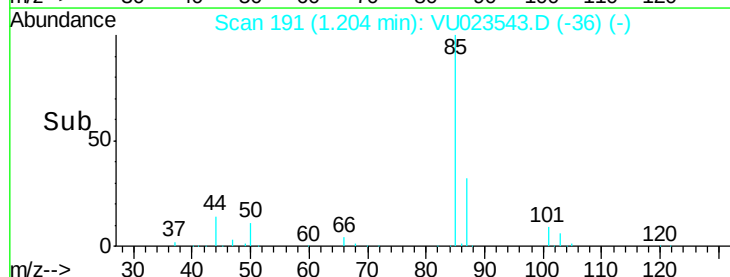
85 100

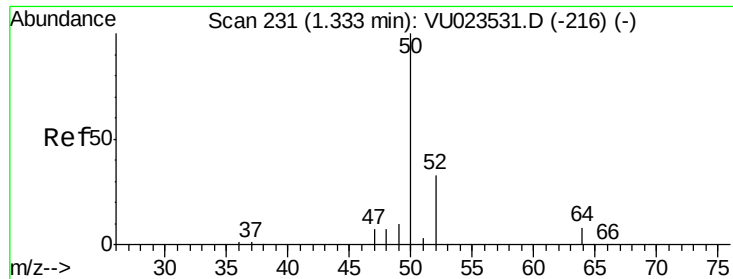
87 32.2 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VU023543.D (-36) (-)

Ion 87.00 (86.70 to 87.70): VU023543.D (-36) (-)





#3

Chloromethane

Concen: 9.28 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

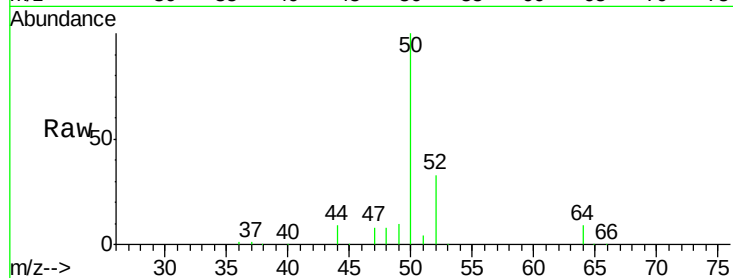
VSTDCCC010EC

Tgt Ion: 50 Resp: 176469

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.33

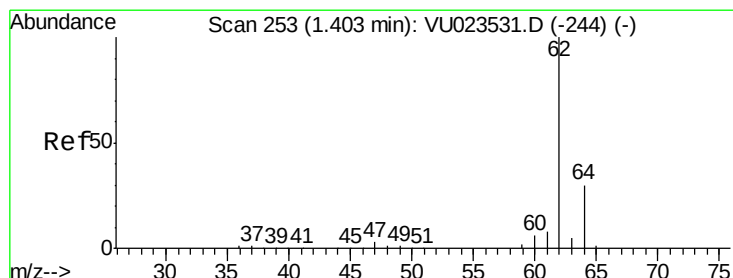
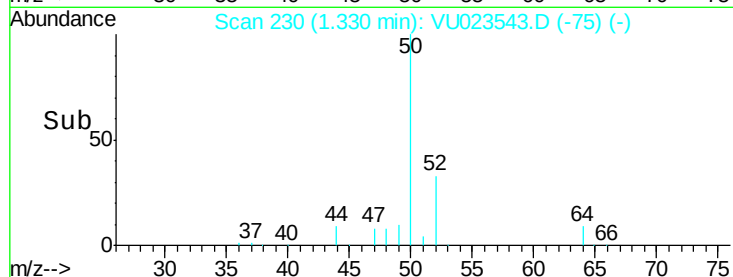
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 9.65 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU023543.D

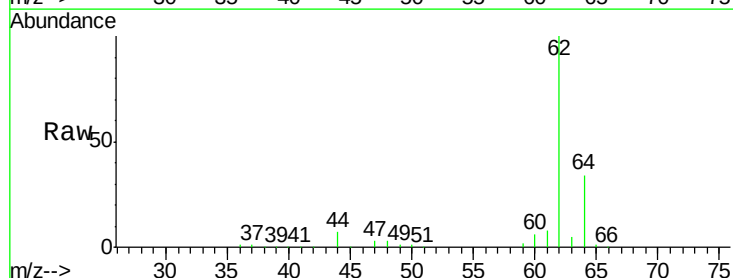
Acq: 30 Apr 2018 22:54

Tgt Ion: 62 Resp: 175979

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

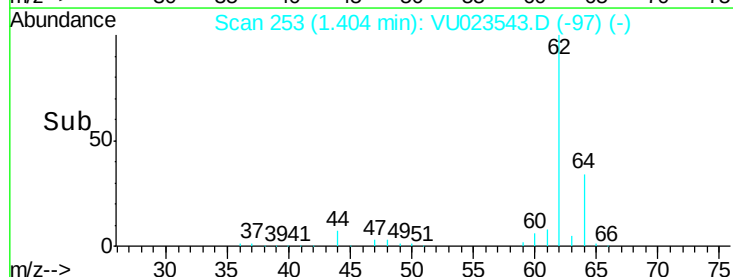
150000

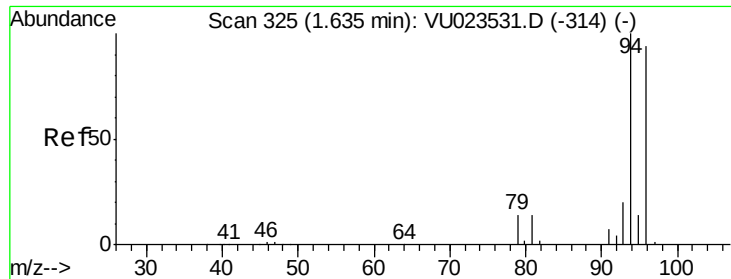
100000

50000

0

Time-->

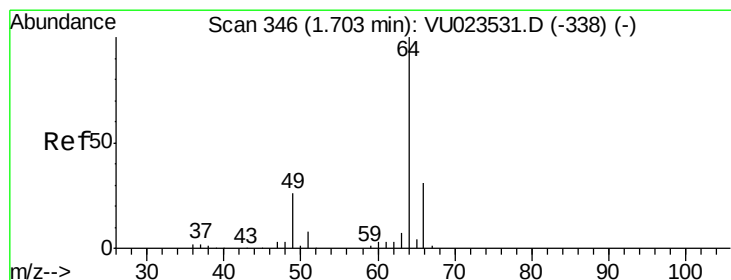
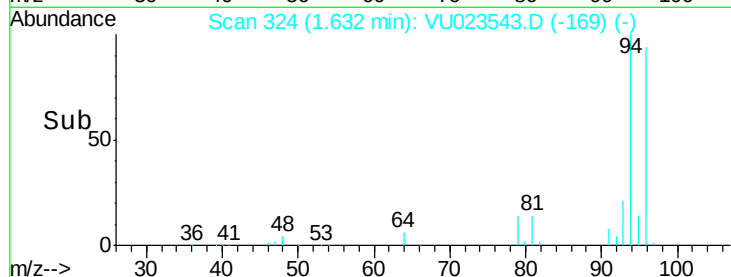
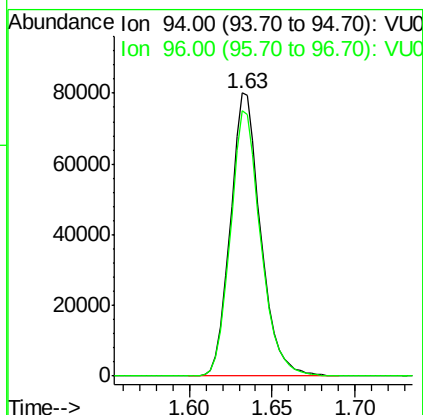
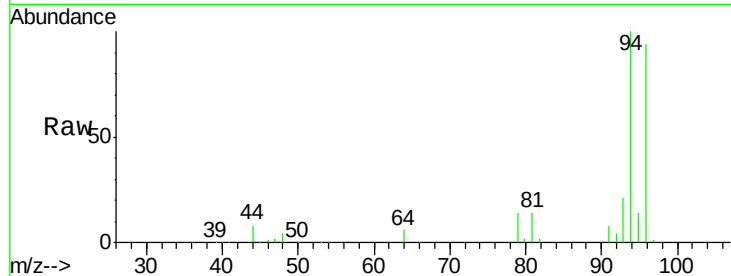




#5
Bromomethane
Concen: 10.42 ug/l
RT: 1.63 min Scan# 324
Delta R.T. -0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

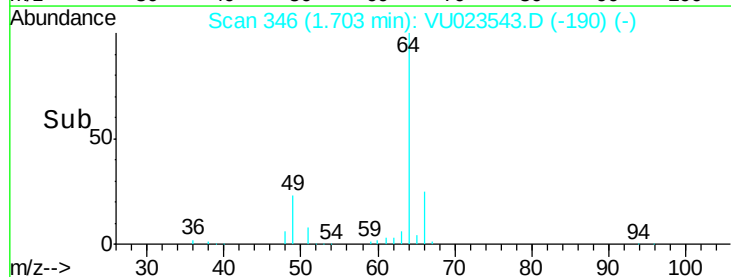
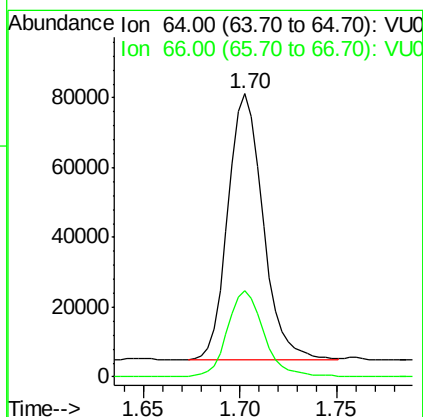
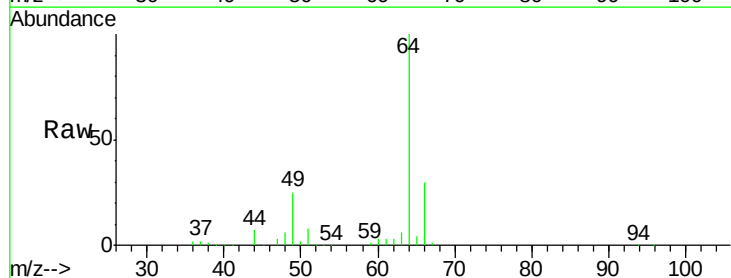
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

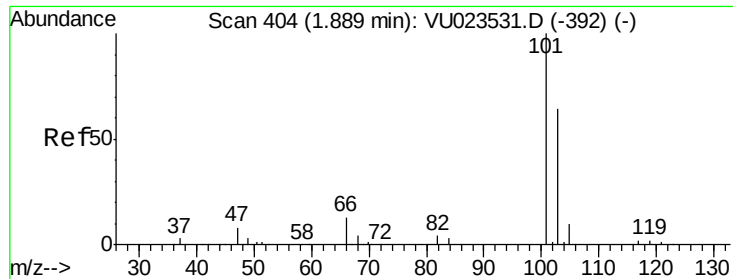
Tgt Ion: 94 Resp: 101638
Ion Ratio Lower Upper
94 100
96 93.7 75.1 112.7



#6
Chloroethane
Concen: 9.48 ug/l
RT: 1.70 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion: 64 Resp: 96203
Ion Ratio Lower Upper
64 100
66 32.1 24.9 37.3





#7

Trichlorofluoromethane

Concen: 9.77 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

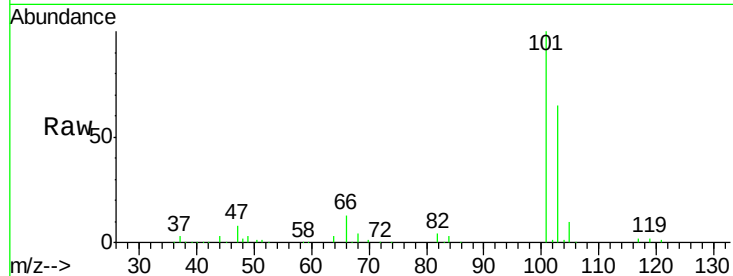
VSTDCCC010EC

Tgt Ion:101 Resp: 204509

Ion Ratio Lower Upper

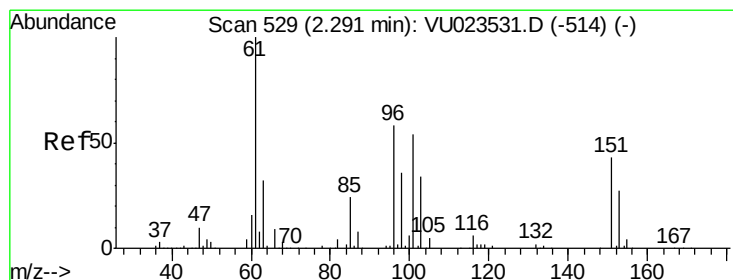
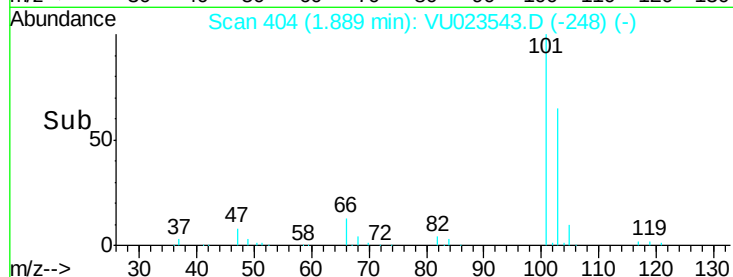
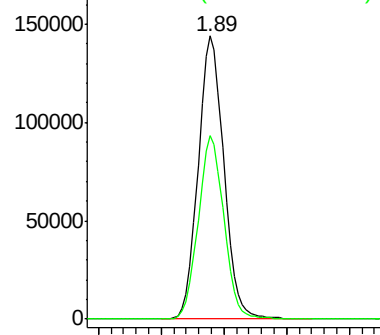
101 100

103 64.7 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: 9.50 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

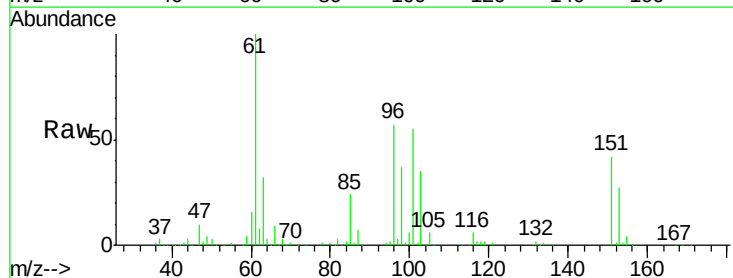
Tgt Ion:101 Resp: 122237

Ion Ratio Lower Upper

101 100

85 43.6 35.2 52.8

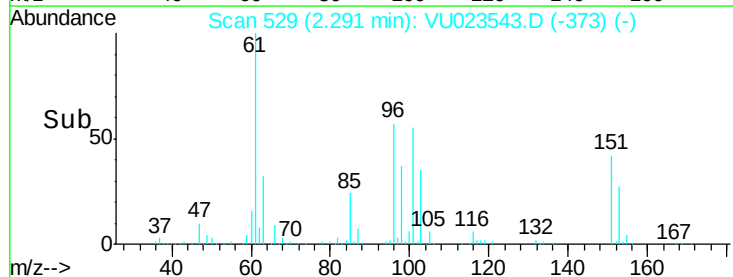
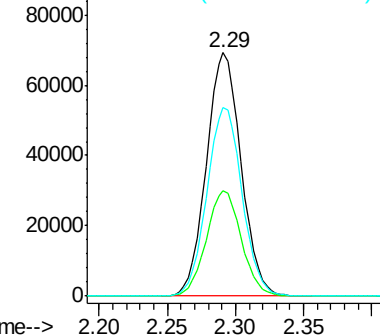
151 78.7 63.5 95.3

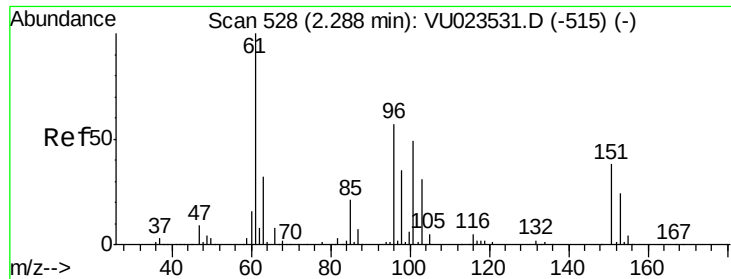


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

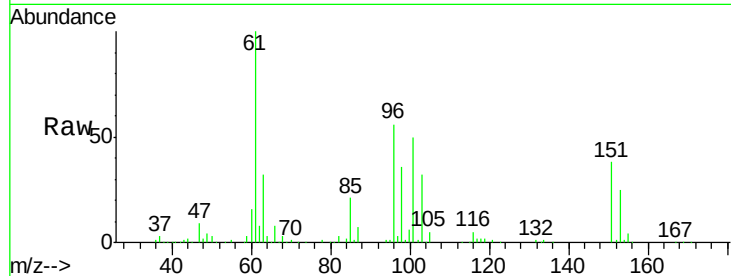




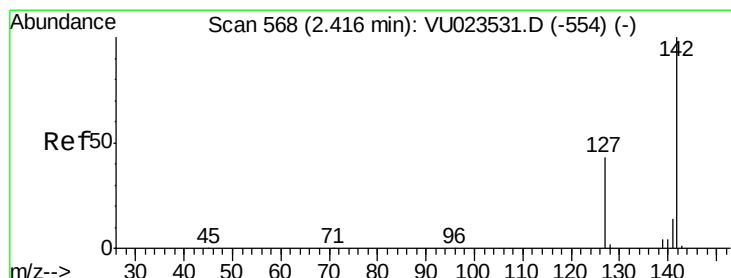
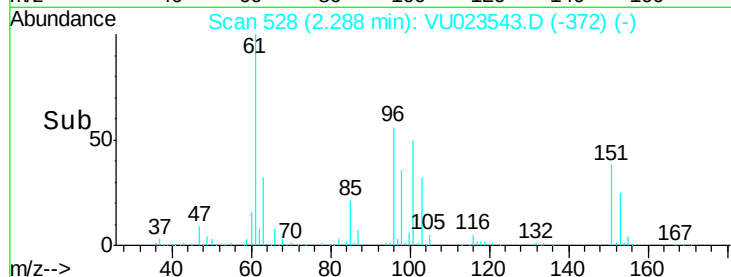
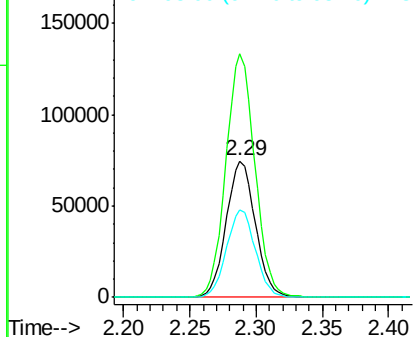
#9
 1,1-Dichloroethene
 Concen: 9.51 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 96 Resp: 113615
 Ion Ratio Lower Upper
 96 100
 61 178.9 0.0 526.5
 98 64.4 0.0 123.4

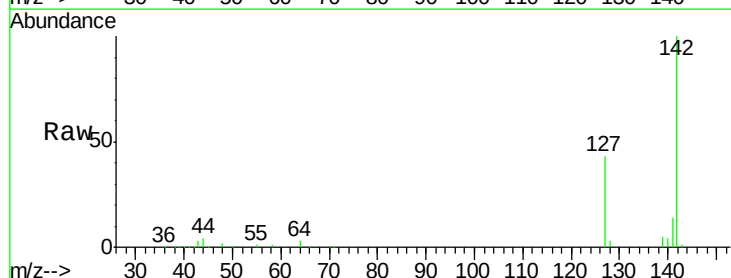


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

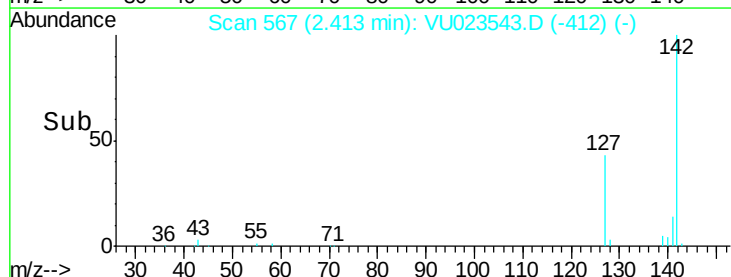
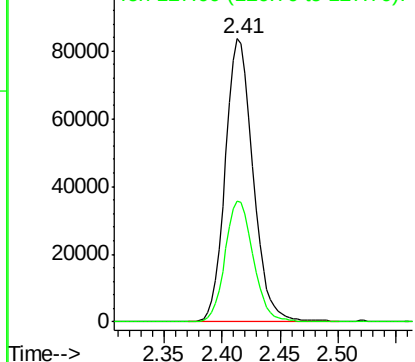


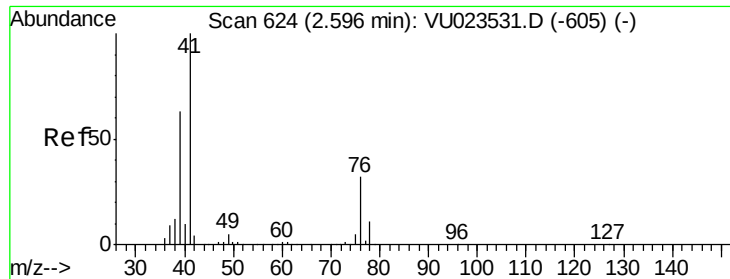
#10
 Iodomethane
 Concen: 9.81 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion: 142 Resp: 139283
 Ion Ratio Lower Upper
 142 100
 127 43.5 34.5 51.7



Abundance Ion 142.00 (141.70 to 142.70): V
 Ion 127.00 (126.70 to 127.70): V

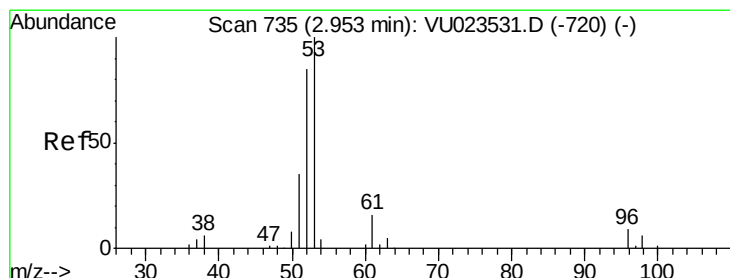
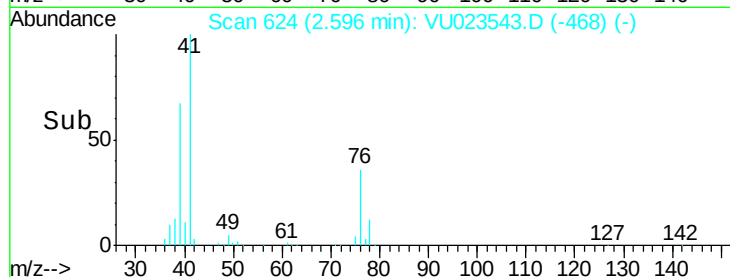
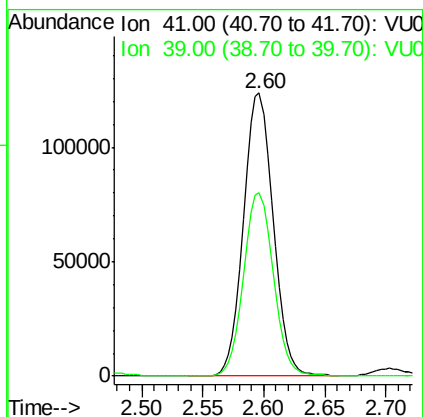
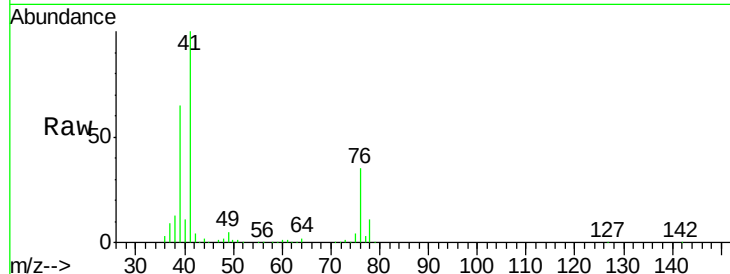




#11
 Allyl Chloride
 Concen: 9.46 ug/l
 RT: 2.60 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

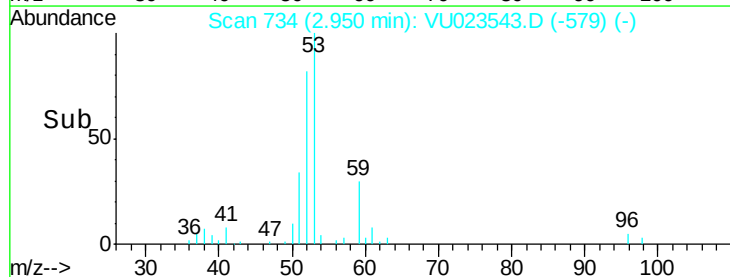
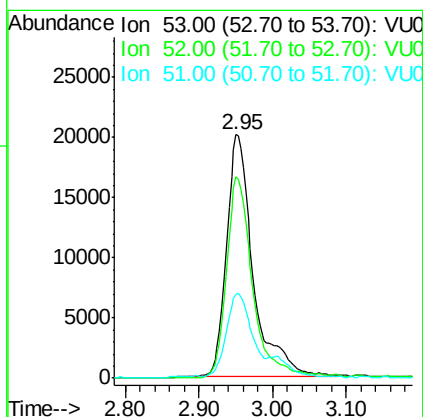
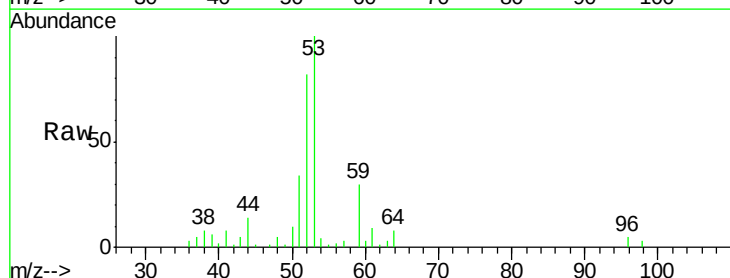
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

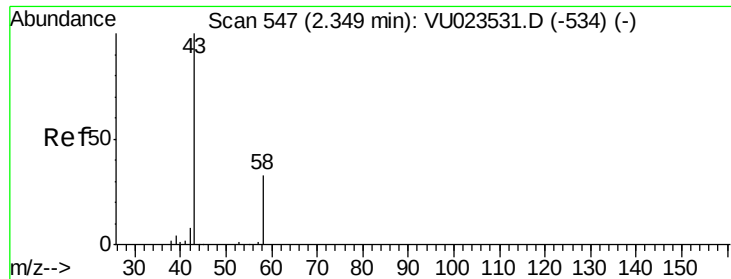
Tgt Ion: 41 Resp: 207578
 Ion Ratio Lower Upper
 41 100
 39 64.5 51.4 77.2



#12
 Acrylonitrile
 Concen: 20.59 ug/l
 RT: 2.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion: 53 Resp: 50745
 Ion Ratio Lower Upper
 53 100
 52 81.1 65.1 97.7
 51 32.3 30.2 45.4





#13

Acetone

Concen: 41.58 ug/l

RT: 2.35 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

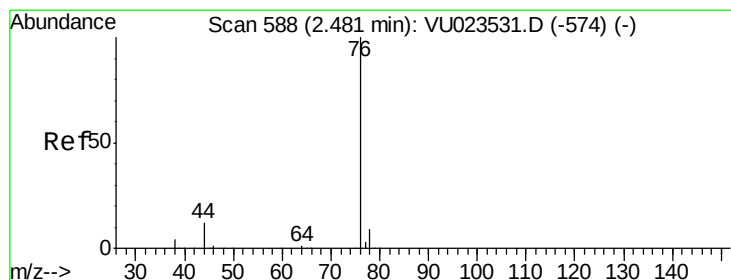
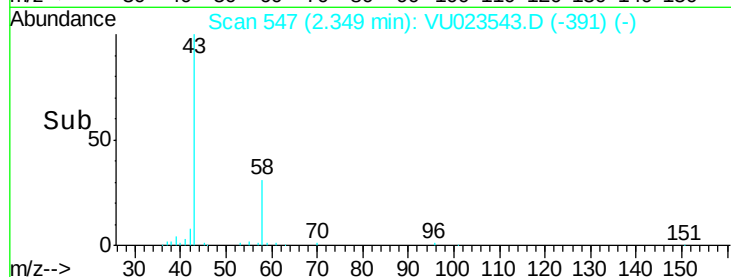
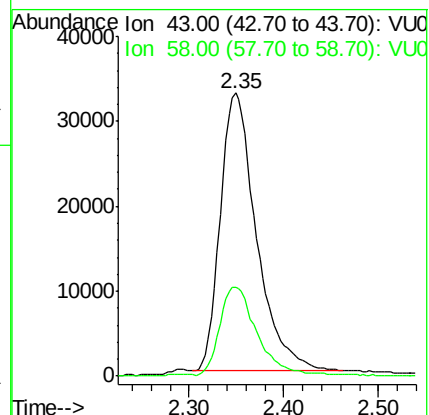
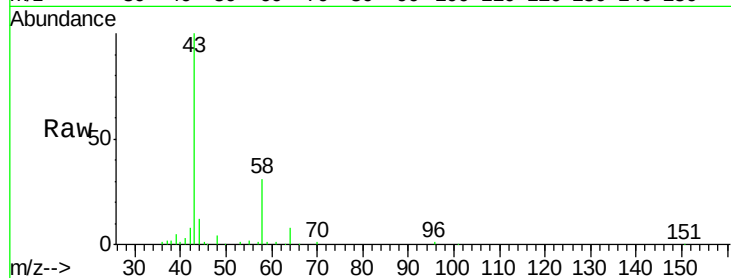
VSTDCCC010EC

Tgt Ion: 43 Resp: 86968

Ion Ratio Lower Upper

43 100

58 31.6 26.0 39.0



#14

Carbon Disulfide

Concen: 9.66 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU023543.D

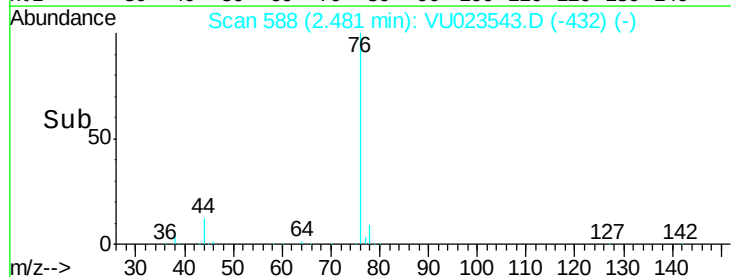
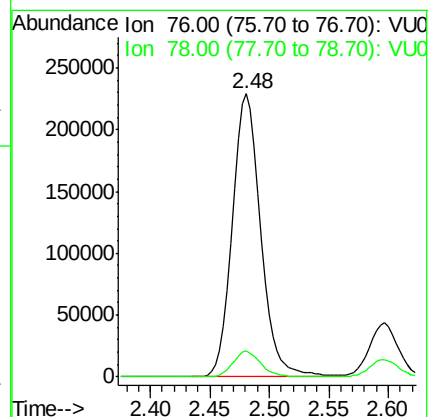
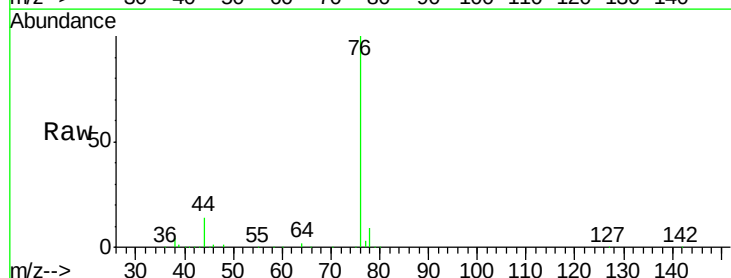
Acq: 30 Apr 2018 22:54

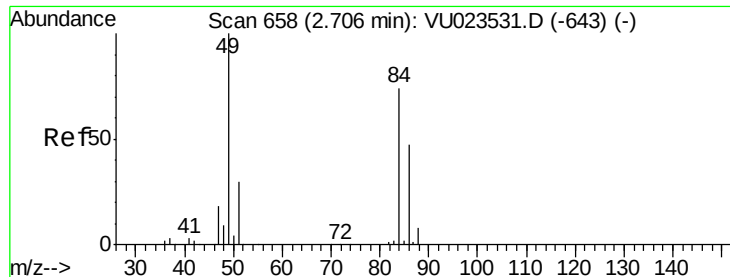
Tgt Ion: 76 Resp: 379487

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

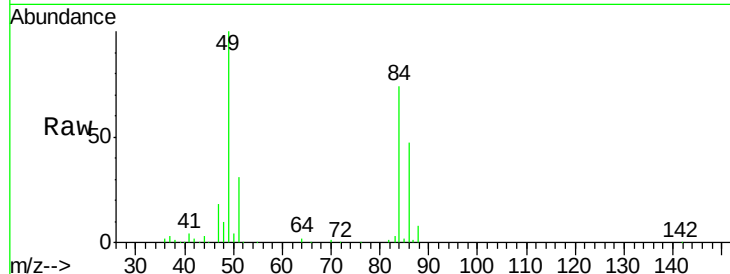




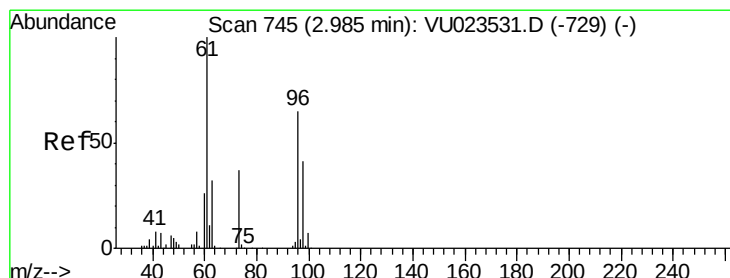
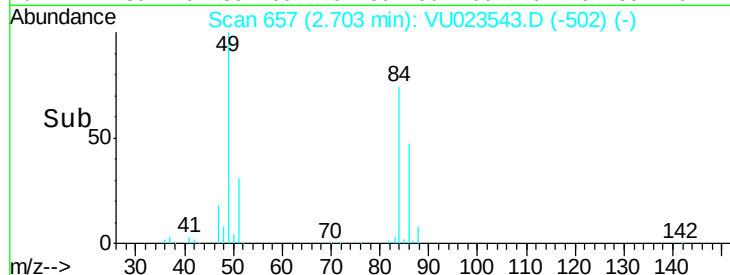
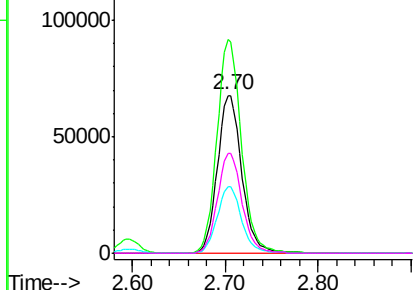
#15
Methylene Chloride
Concen: 9.08 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:	84	Resp:	123541
Ion	Ratio	Lower	Upper
84	100		
49	135.4	108.7	163.1
51	42.1	0.0	82.4
86	63.4	50.7	76.1

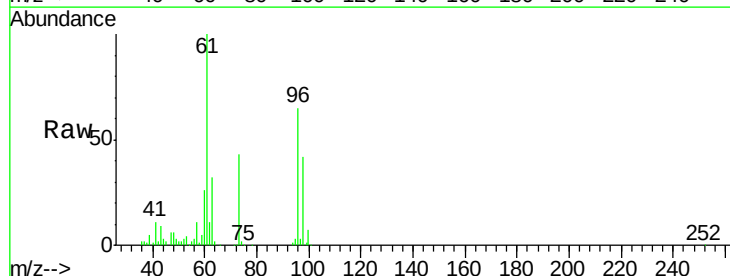


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

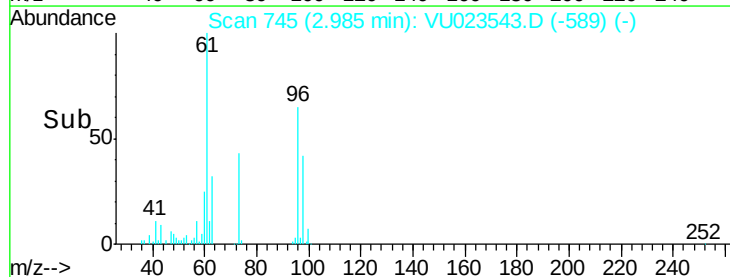
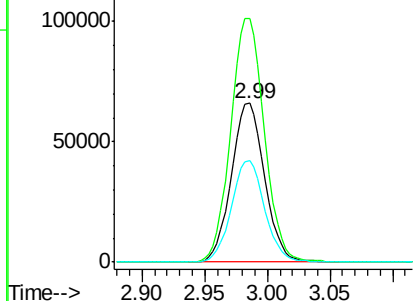


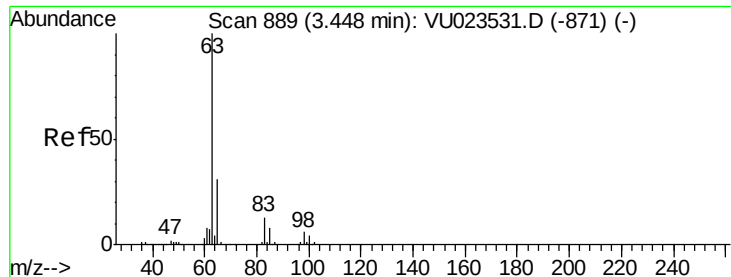
#16
trans-1,2-Dichloroethene
Concen: 9.52 ug/l
RT: 2.99 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion:	96	Resp:	121778
Ion	Ratio	Lower	Upper
96	100		
61	153.2	123.9	185.9
98	63.7	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

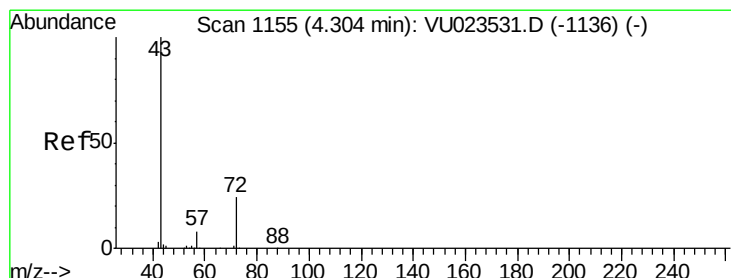
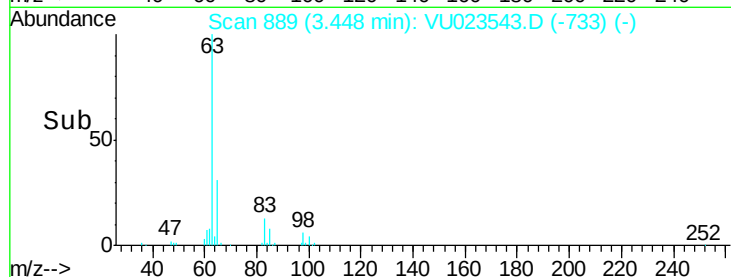
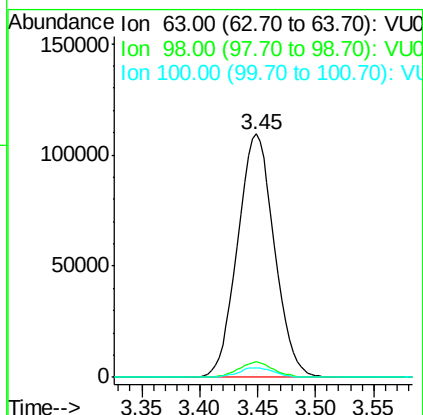
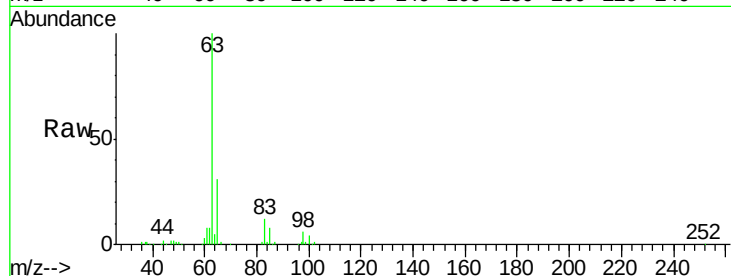




#17
 1,1-Dichloroethane
 Concen: 9.57 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

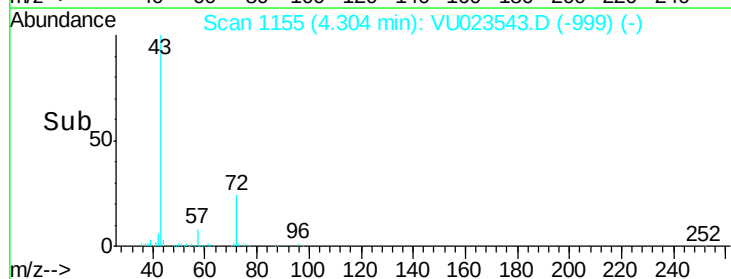
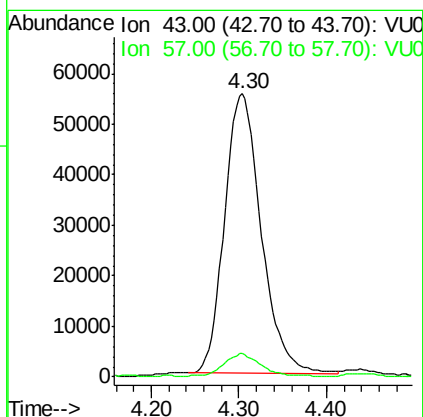
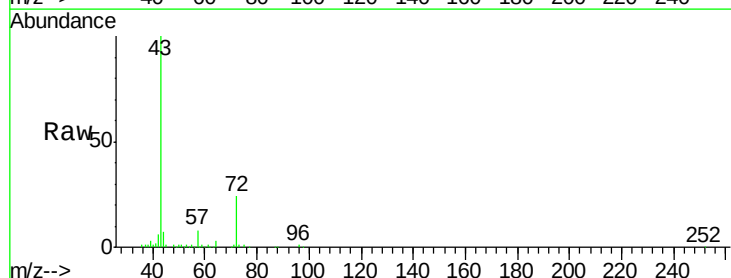
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

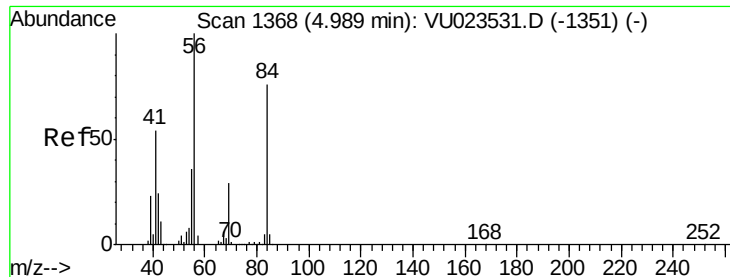
Tgt Ion:	63	Resp:	241265
Ion	Ratio	Lower	Upper
63	100		
98	6.3	2.9	8.8
100	3.8	2.0	5.8



#18
 2-Butanone
 Concen: 47.60 ug/l
 RT: 4.30 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion:	43	Resp:	160868
Ion	Ratio	Lower	Upper
43	100		
57	7.9	0.0	15.8

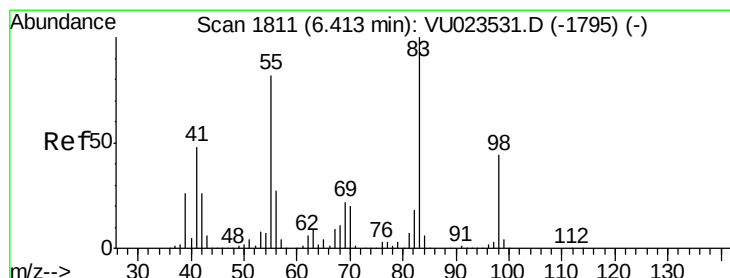
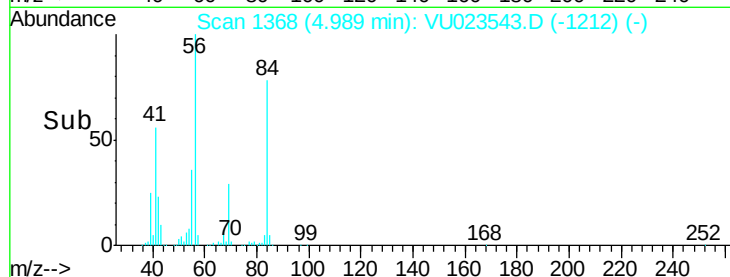
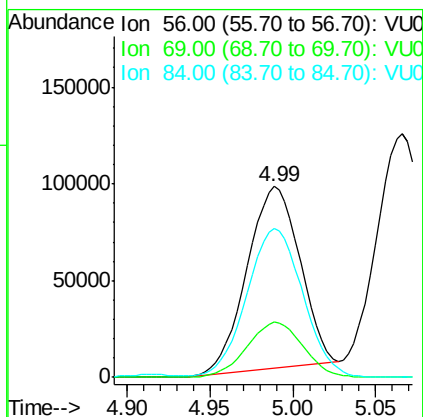
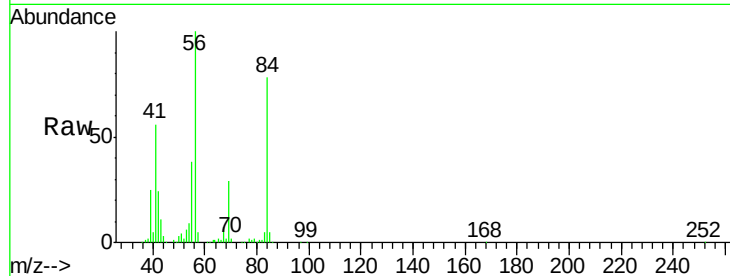




#19
Cyclohexane
Concen: 9.60 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

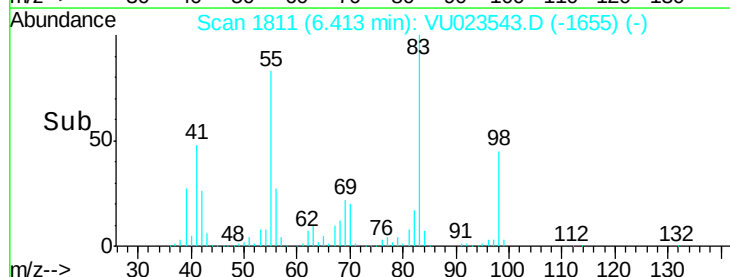
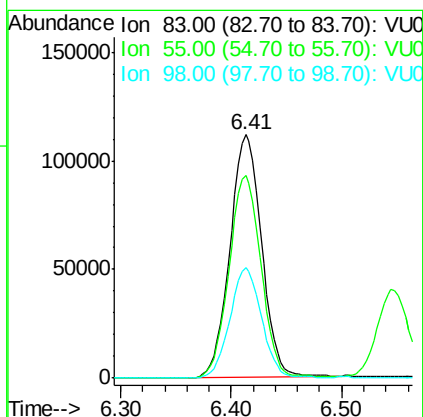
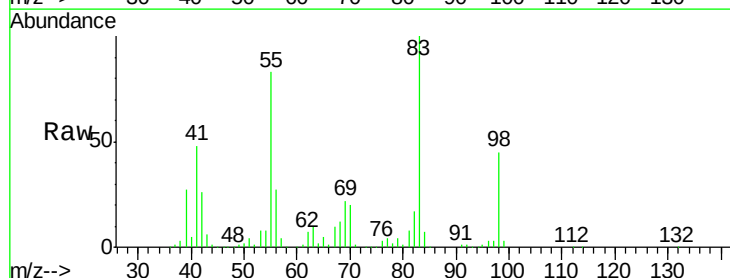
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

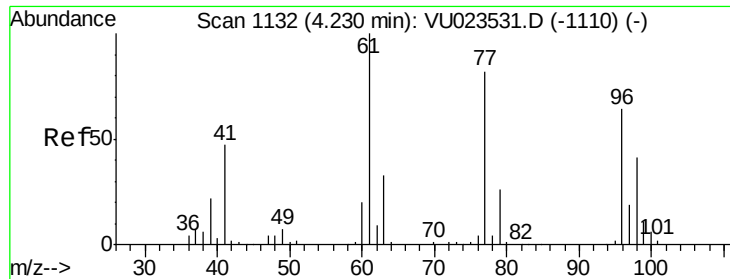
Tgt Ion: 56 Resp: 209051
Ion Ratio Lower Upper
56 100
69 32.1 26.0 39.0
84 85.3 68.3 102.5



#20
Methylcyclohexane
Concen: 9.99 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion: 83 Resp: 222032
Ion Ratio Lower Upper
83 100
55 83.4 66.4 99.6
98 45.0 35.4 53.2

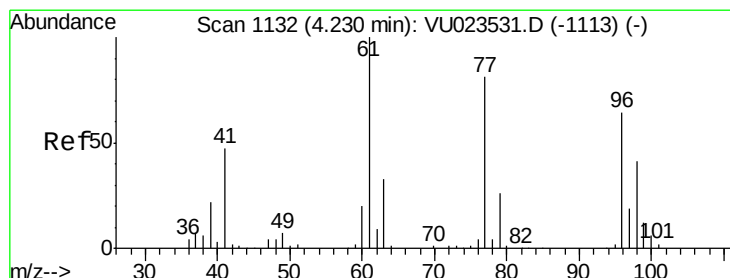
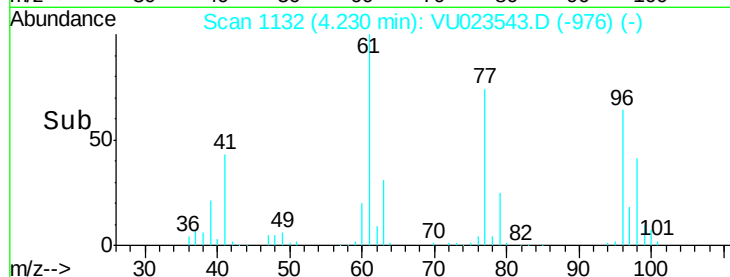
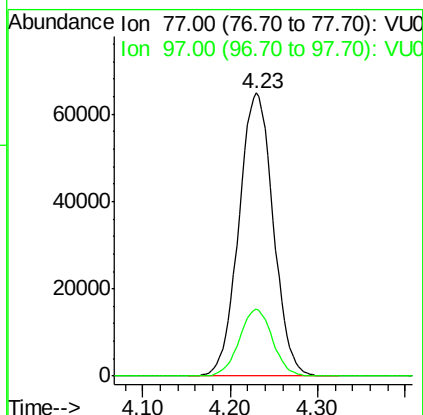
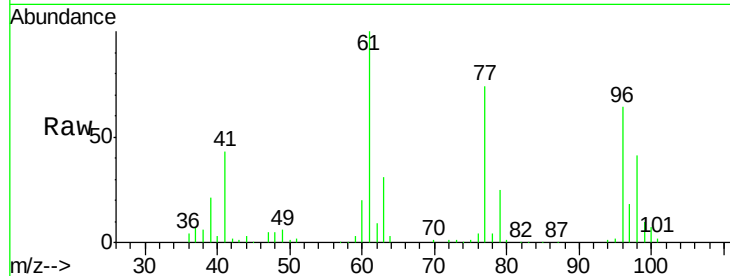




#21
 2,2-Dichloropropane
 Concen: 8.83 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

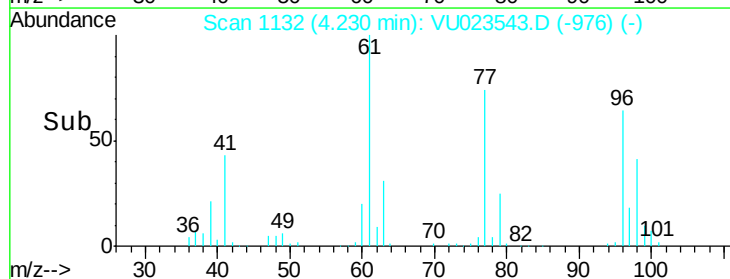
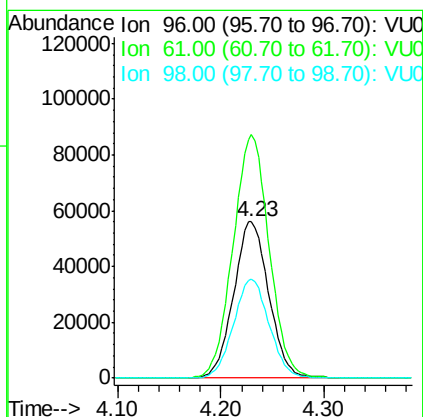
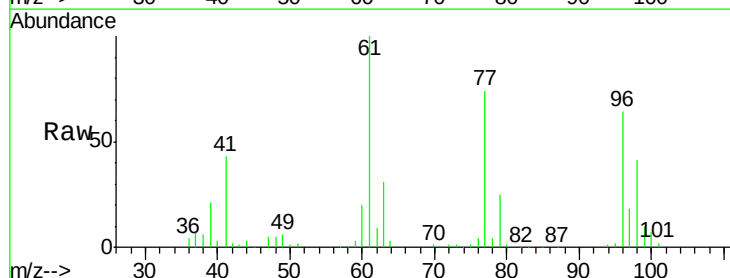
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

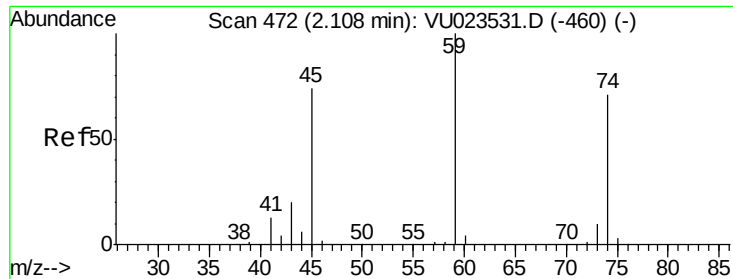
Tgt Ion: 77 Resp: 176548
 Ion Ratio Lower Upper
 77 100
 97 22.8 17.9 26.9



#22
 cis-1,2-Dichloroethene
 Concen: 9.64 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion: 96 Resp: 133481
 Ion Ratio Lower Upper
 96 100
 61 159.3 0.0 400.5
 98 63.9 32.2 96.6

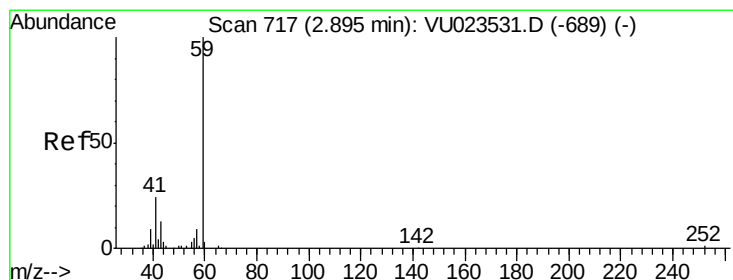
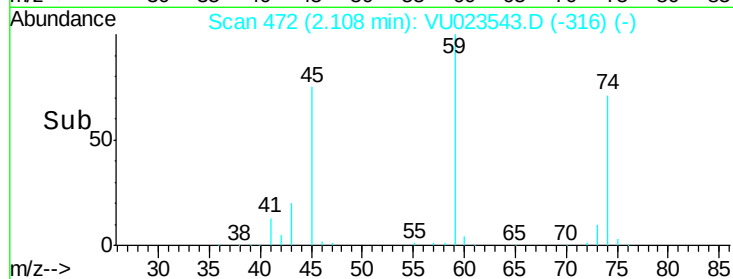
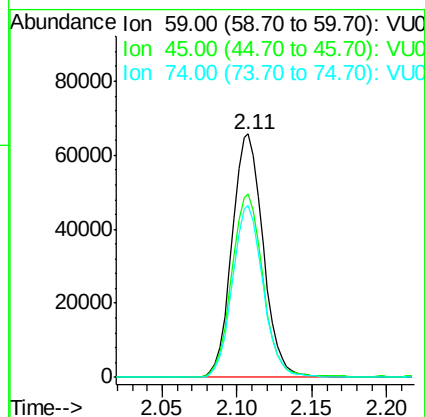
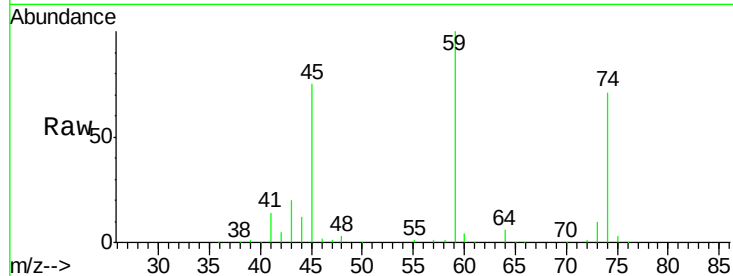




#23
Diethyl Ether
Concen: 9.77 ug/l
RT: 2.11 min Scan# 472
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

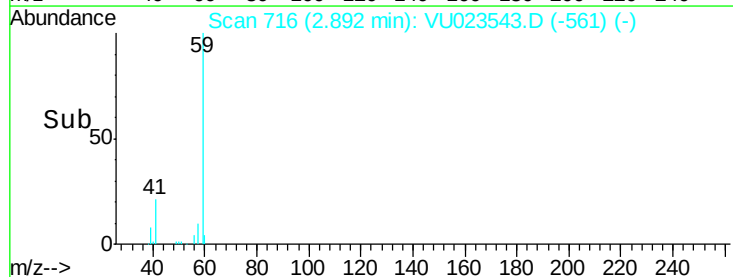
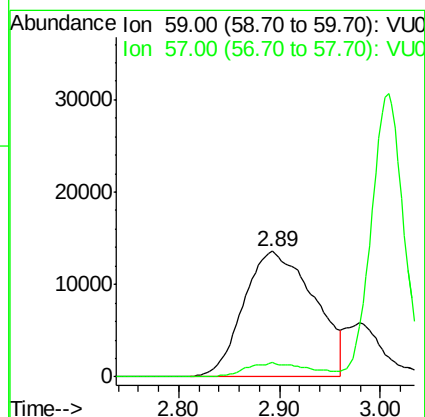
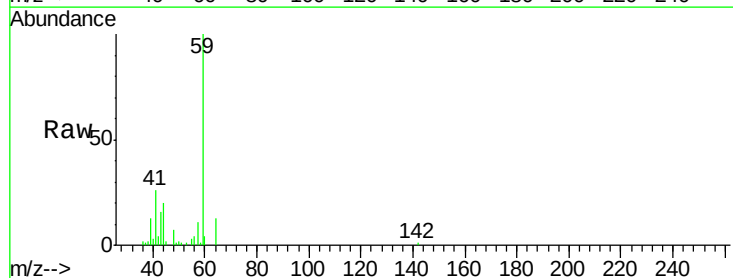
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

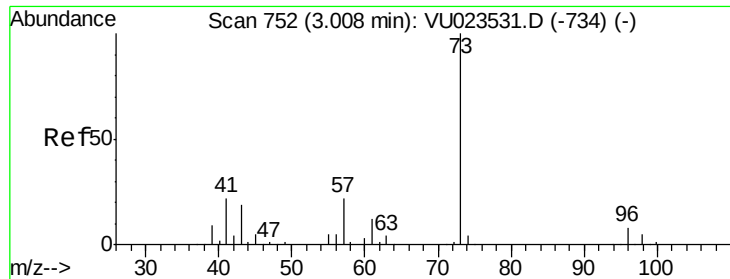
Tgt Ion: 59 Resp: 95374
Ion Ratio Lower Upper
59 100
45 76.1 60.0 90.0
74 69.5 56.5 84.7



#24
tert-Butyl Alcohol
Concen: 92.75 ug/l
RT: 2.89 min Scan# 716
Delta R.T. -0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion: 59 Resp: 65914
Ion Ratio Lower Upper
59 100
57 8.9 3.4 5.2#





#25

Methyl tert-Butyl Ether

Concen: 9.74 ug/l

RT: 3.01 min Scan# 752

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

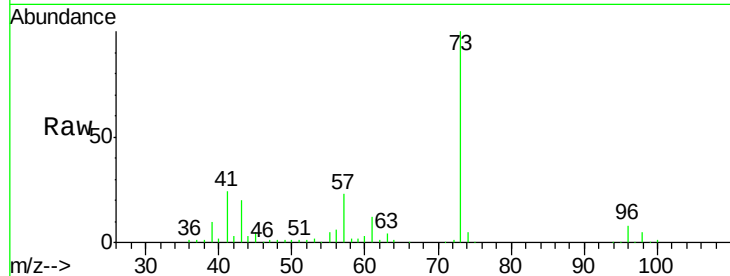
VSTDCCC010EC

Tgt Ion: 73 Resp: 292346

Ion Ratio Lower Upper

73 100

43 20.4 16.2 24.2



Abundance Ion 73.00 (72.70 to 73.70): VU023543.D (-596) (-)

Ion 43.00 (42.70 to 43.70): VU023543.D (-596) (-)

3.01

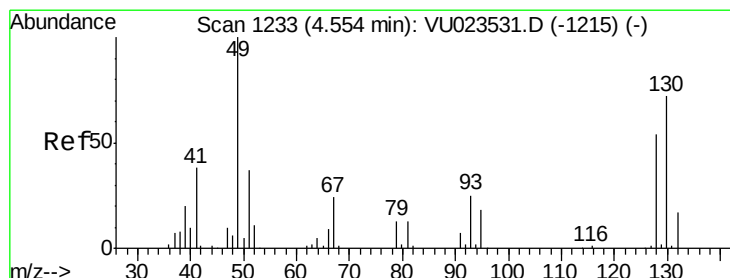
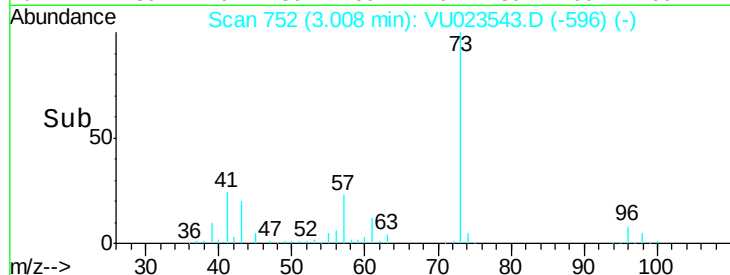
150000

100000

50000

0

Time-->



#26

Bromochloromethane

Concen: 10.03 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

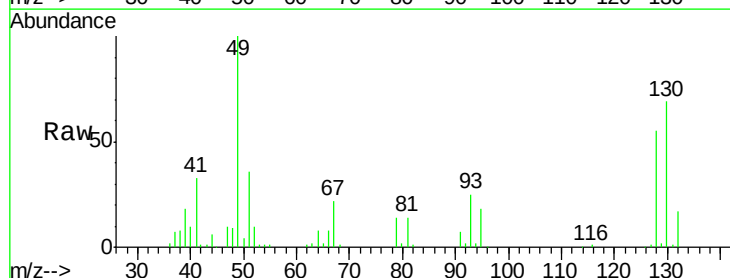
Tgt Ion: 128 Resp: 54898

Ion Ratio Lower Upper

128 100

49 182.5 0.0 375.2

130 127.3 105.8 158.6



Abundance Ion 128.00 (127.70 to 128.70): VU023543.D (-1077) (-)

Ion 49.00 (48.70 to 49.70): VU023543.D (-1077) (-)

Ion 130.00 (129.70 to 130.70): VU023543.D (-1077) (-)

4.55

60000

50000

40000

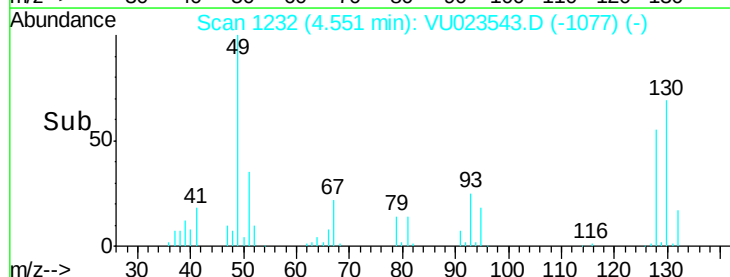
30000

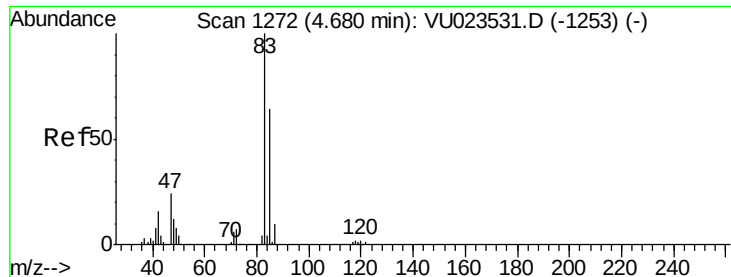
20000

10000

0

Time-->





#27

Chloroform

Concen: 9.67 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

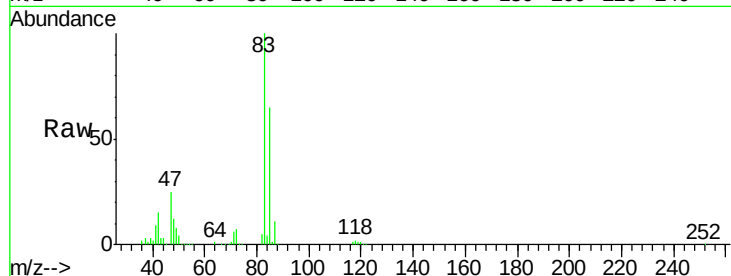
VSTDCCC010EC

Tgt Ion: 83 Resp: 229538

Ion Ratio Lower Upper

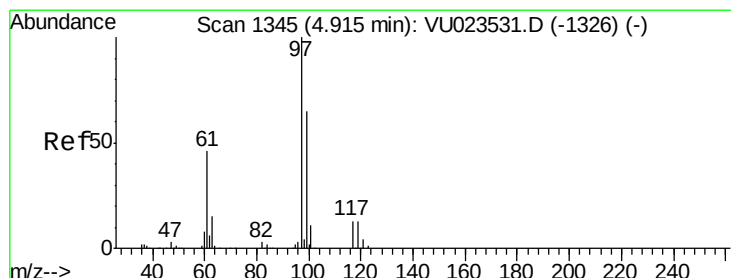
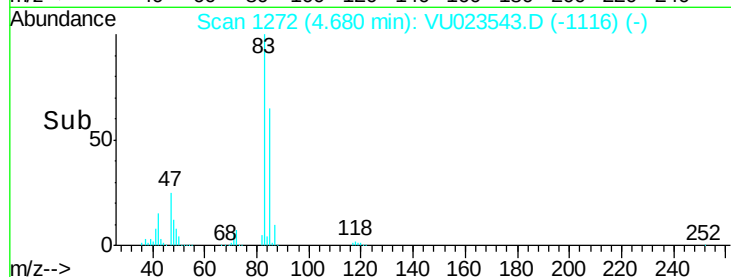
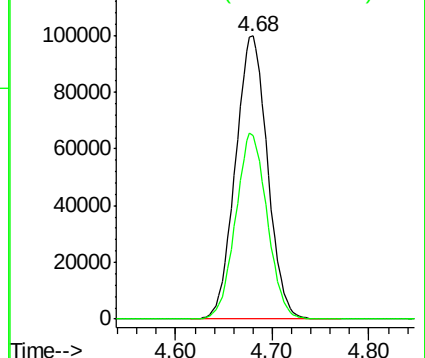
83 100

85 64.8 0.0 128.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 9.78 ug/l

RT: 4.91 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

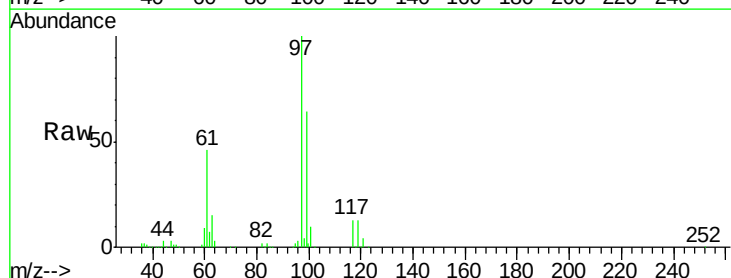
Tgt Ion: 97 Resp: 190468

Ion Ratio Lower Upper

97 100

99 64.1 32.3 96.9

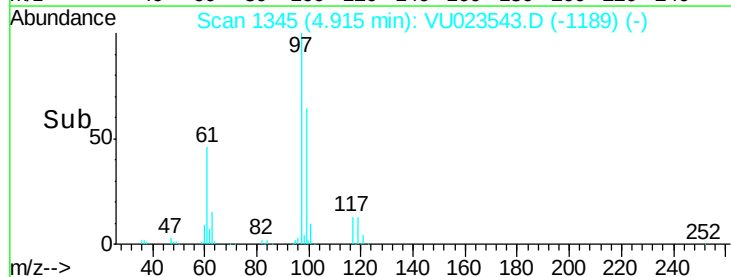
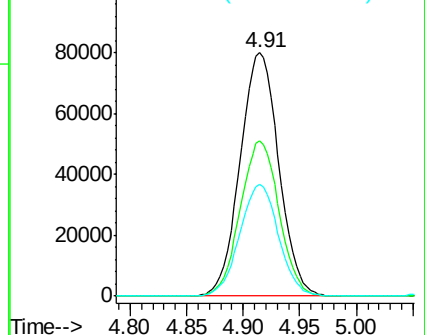
61 46.1 23.2 69.5

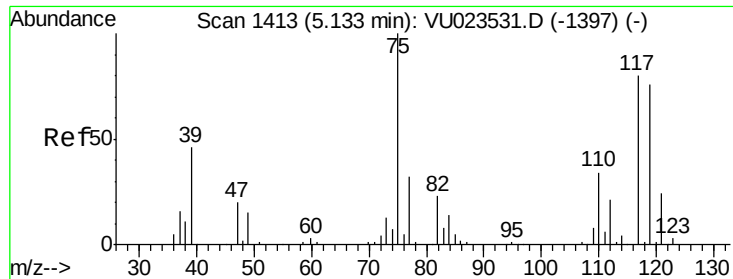


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29

1,1-Dichloropropene

Concen: 9.58 ug/l

RT: 5.13 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

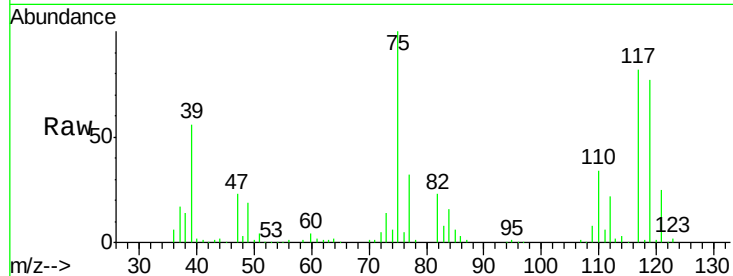
Tgt Ion: 75 Resp: 182960

Ion Ratio Lower Upper

75 100

110 33.8 16.9 50.7

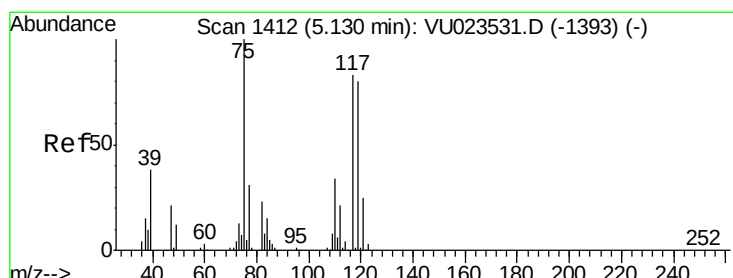
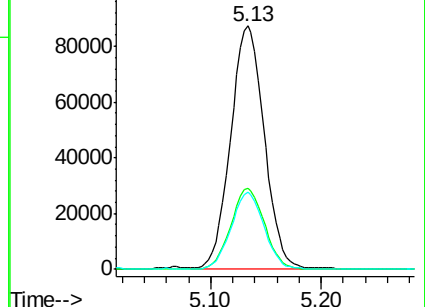
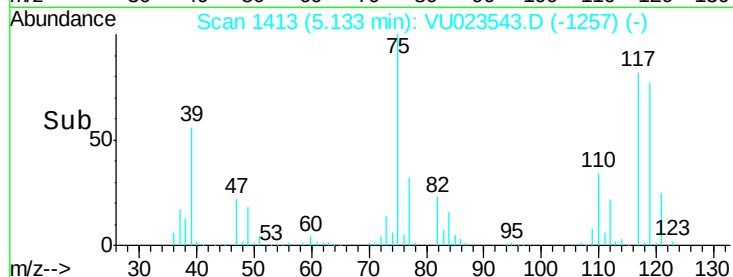
77 30.6 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VU023543.D (-1257) (-)

Ion 110.00 (109.70 to 110.70): VU023543.D (-1257) (-)

Ion 77.00 (76.70 to 77.70): VU023543.D (-1257) (-)



#30

Carbon Tetrachloride

Concen: 9.95 ug/l

RT: 5.13 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

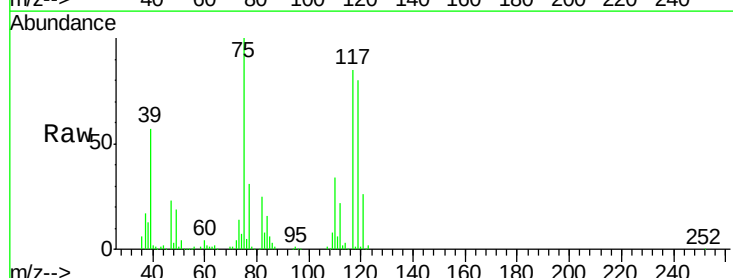
Tgt Ion: 117 Resp: 163035

Ion Ratio Lower Upper

117 100

119 95.0 77.3 115.9

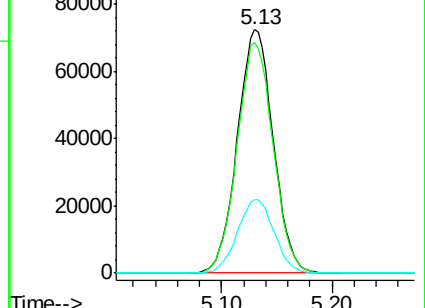
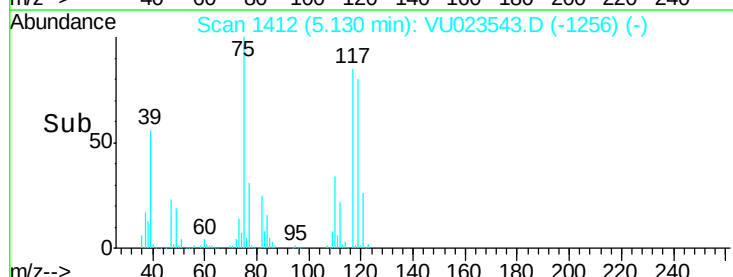
121 30.4 24.5 36.7

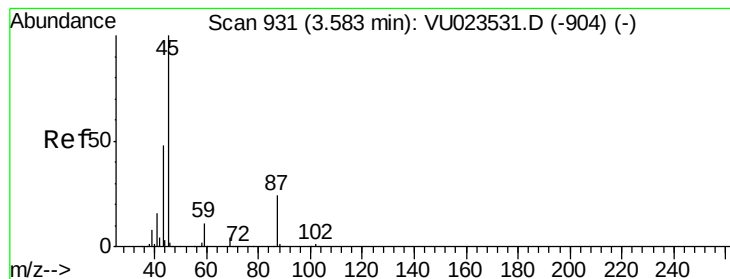


Abundance Ion 117.00 (116.70 to 117.70): VU023543.D (-1256) (-)

Ion 119.00 (118.70 to 119.70): VU023543.D (-1256) (-)

Ion 121.00 (120.70 to 121.70): VU023543.D (-1256) (-)





#31

Isopropyl Ether

Concen: 9.52 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

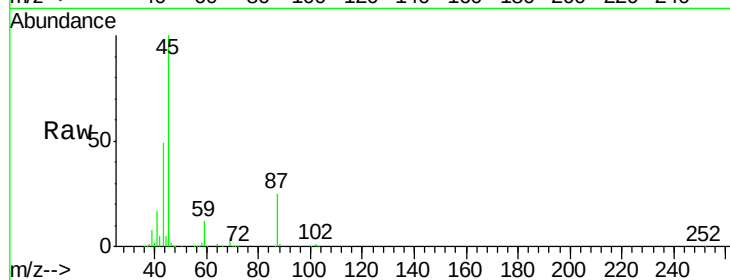
VSTDCCC010EC

Tgt Ion: 45 Resp: 404920

Ion Ratio Lower Upper

45 100

43 48.6 24.0 72.0



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

3.58

150000

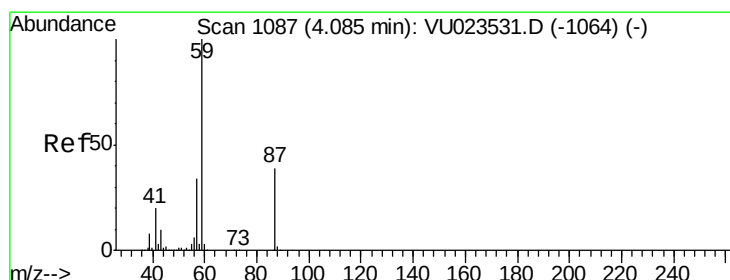
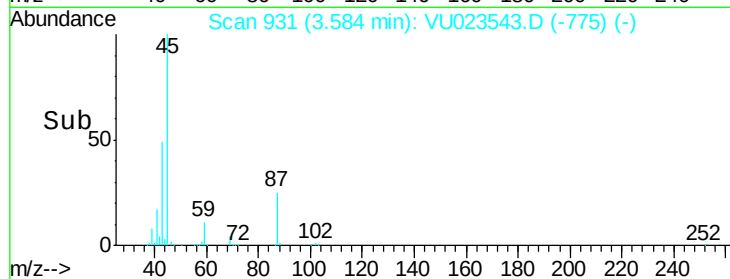
100000

50000

0

Time-->

3.50 3.60 3.70



#32

Ethyl-t-butyl ether

Concen: 9.69 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VU023543.D

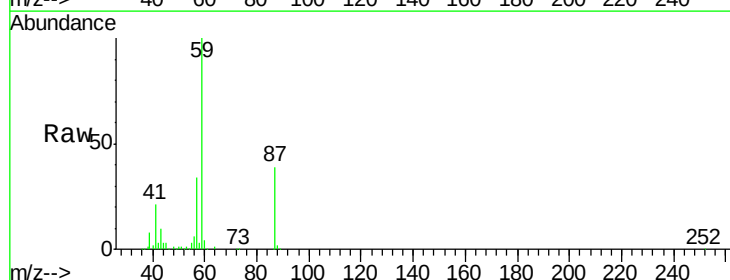
Acq: 30 Apr 2018 22:54

Tgt Ion: 59 Resp: 352300

Ion Ratio Lower Upper

59 100

87 39.3 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

4.08

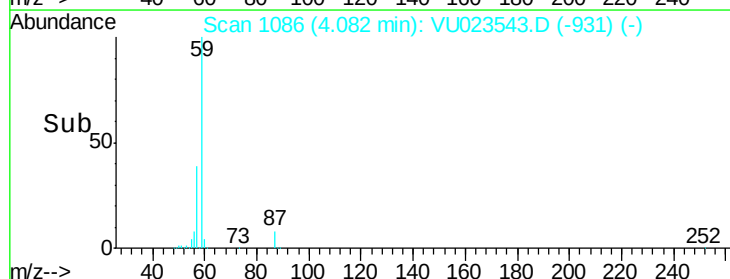
100000

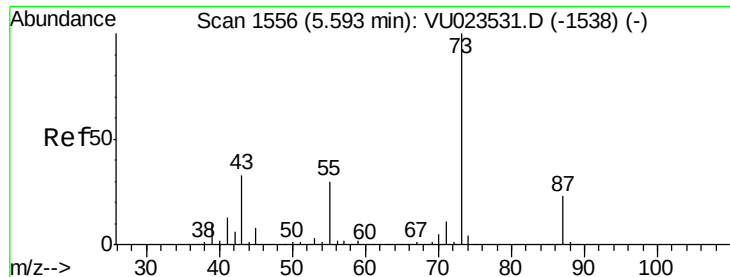
50000

0

Time-->

4.00 4.10 4.20

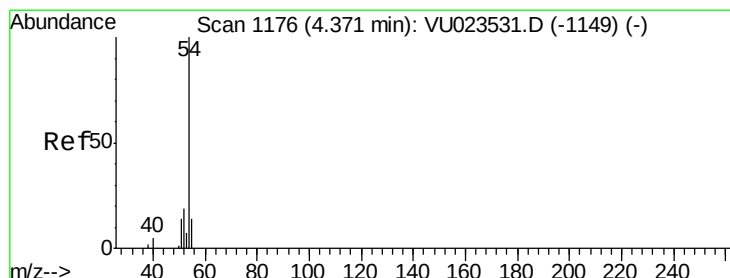
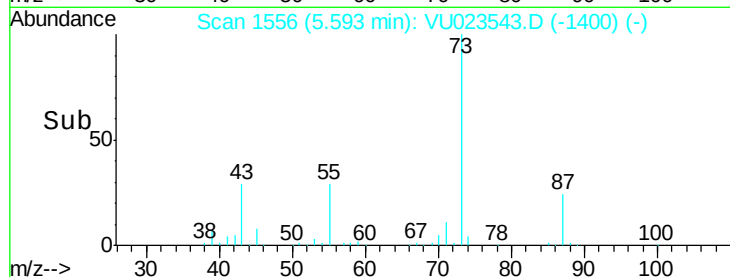
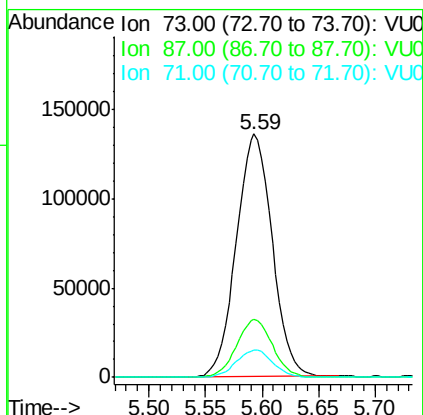
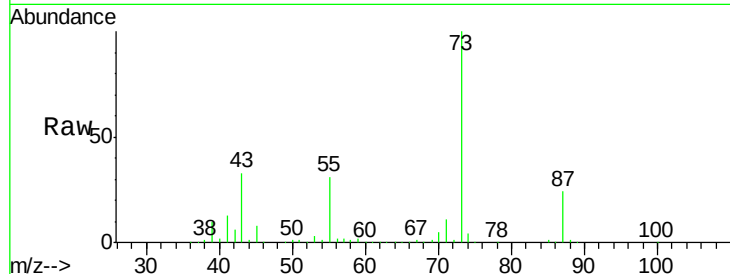




#33
Tert-Amyl methyl ether
Concen: 9.76 ug/l
RT: 5.59 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

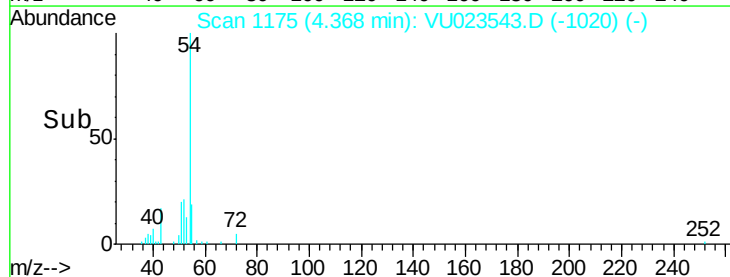
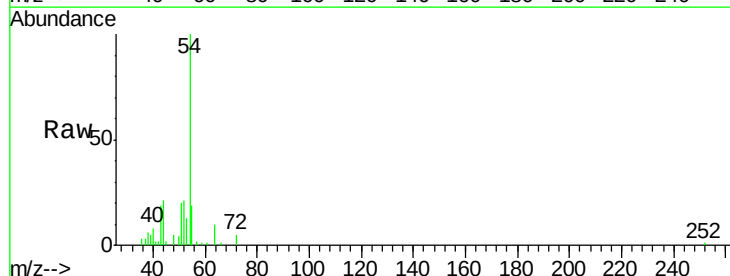
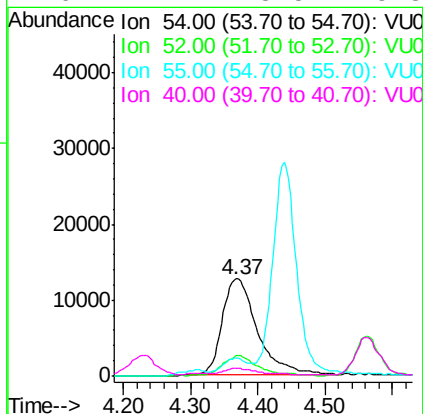
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

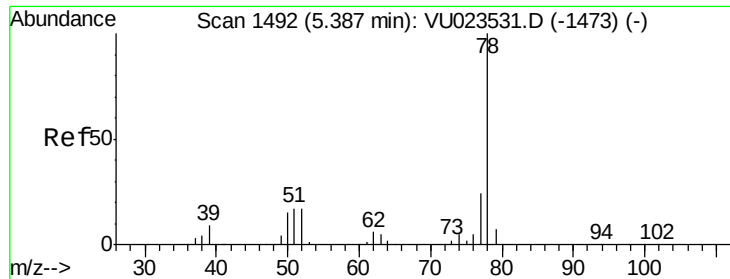
Tgt Ion: 73 Resp: 300245
Ion Ratio Lower Upper
73 100
87 23.6 18.6 28.0
71 11.4 9.3 13.9



#34
Propionitrile
Concen: 47.93 ug/l
RT: 4.37 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion: 54 Resp: 46121
Ion Ratio Lower Upper
54 100
52 20.7 13.7 20.5#
55 13.4 10.2 15.2
40 4.7 3.5 5.3





#35

Benzene

Concen: 10.09 ug/l

RT: 5.39 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

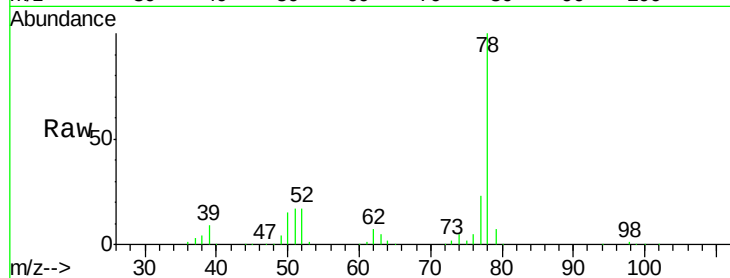
VSTDCCC010EC

Tgt Ion: 78 Resp: 572897

Ion Ratio Lower Upper

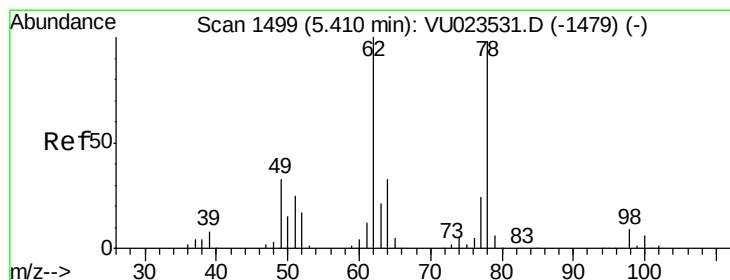
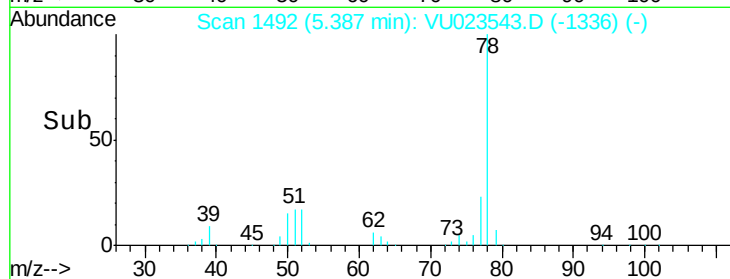
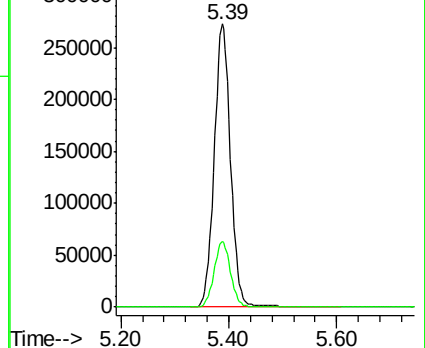
78 100

77 23.2 19.1 28.7



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 9.97 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU023543.D

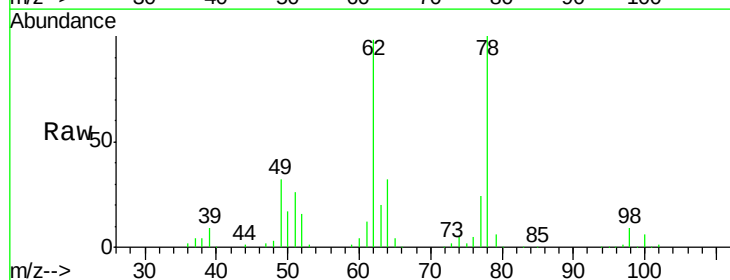
Acq: 30 Apr 2018 22:54

Tgt Ion: 62 Resp: 160075

Ion Ratio Lower Upper

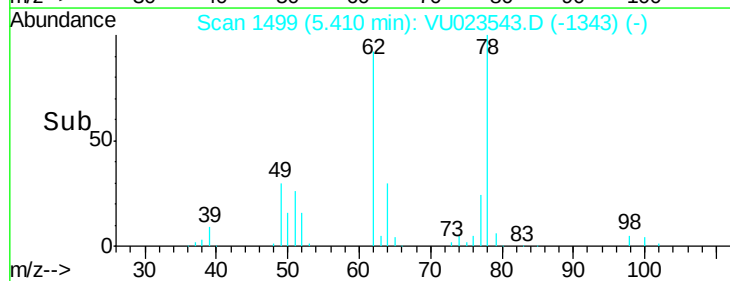
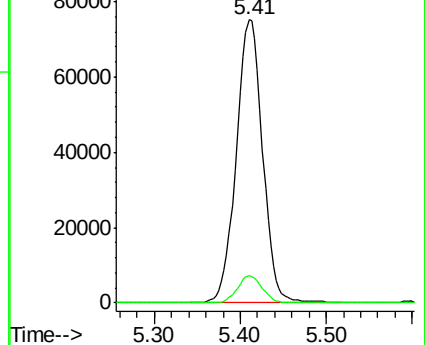
62 100

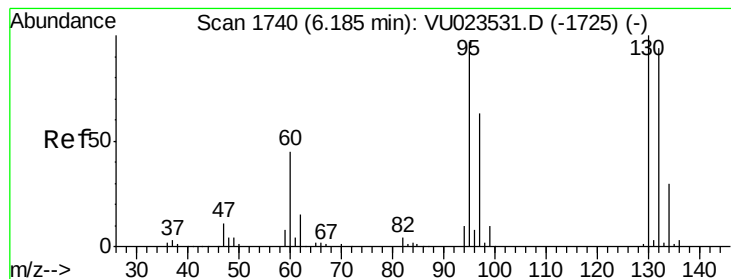
98 9.0 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 9.40 ug/l

RT: 6.18 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

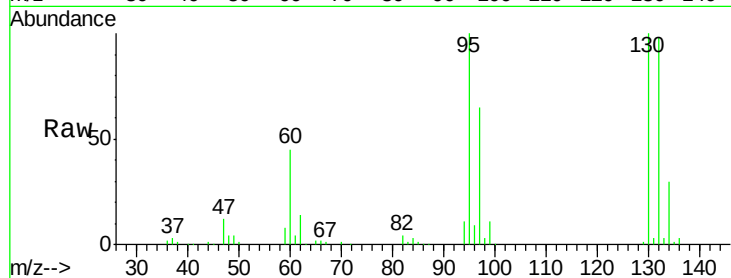
VSTDCCC010EC

Tgt Ion:130 Resp: 143256

Ion Ratio Lower Upper

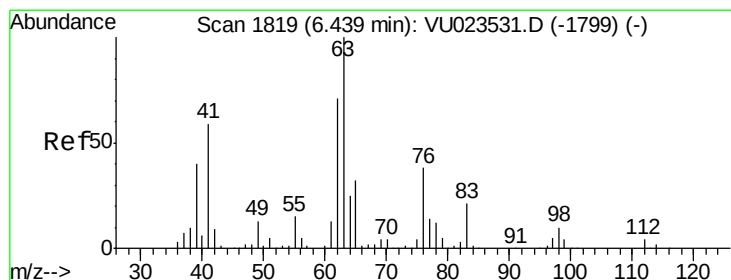
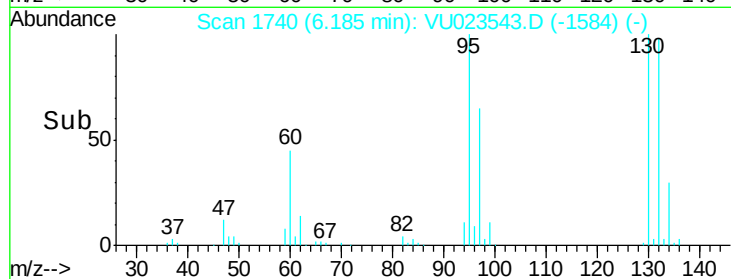
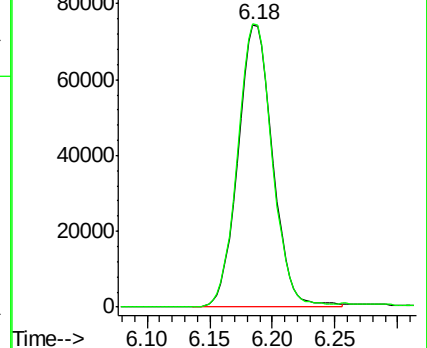
130 100

95 100.2 77.9 116.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0



#38

1,2-Dichloropropane

Concen: 9.87 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU023543.D

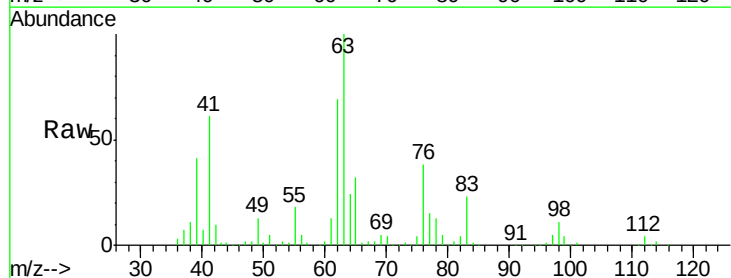
Acq: 30 Apr 2018 22:54

Tgt Ion: 63 Resp: 153725

Ion Ratio Lower Upper

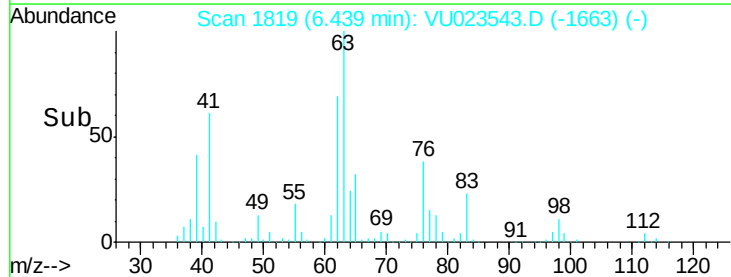
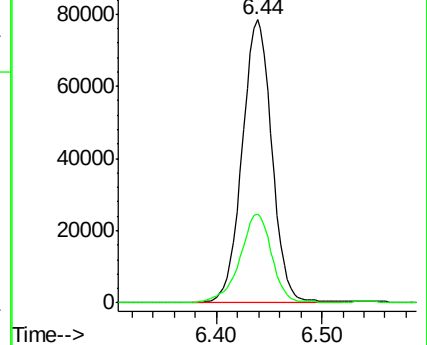
63 100

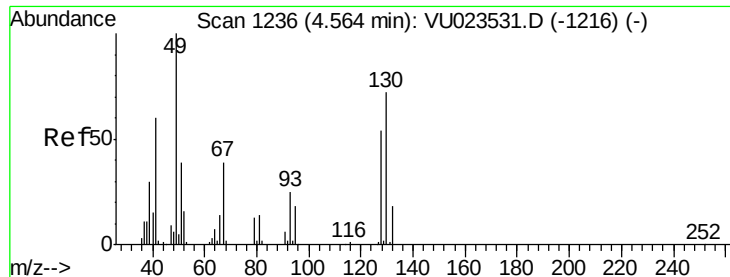
65 31.4 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0





#39

Methacrylonitrile

Concen: 9.49 ug/l

RT: 4.56 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 46699

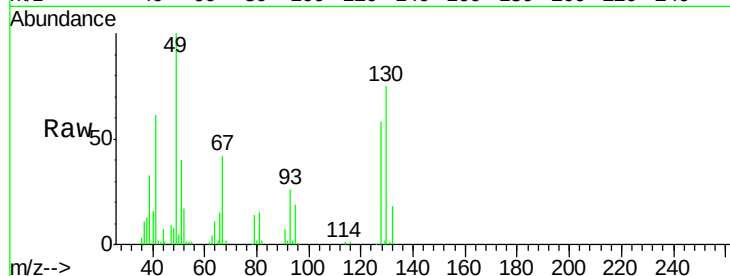
Ion Ratio Lower Upper

41 100

67 68.0 51.3 76.9

39 55.2 40.6 60.8

52 29.3 21.5 32.3

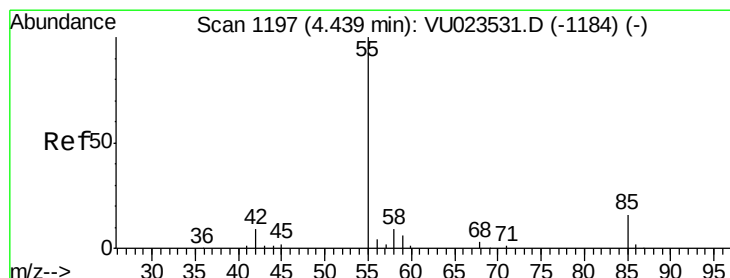
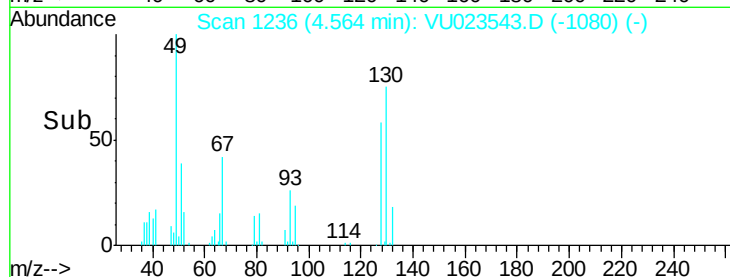
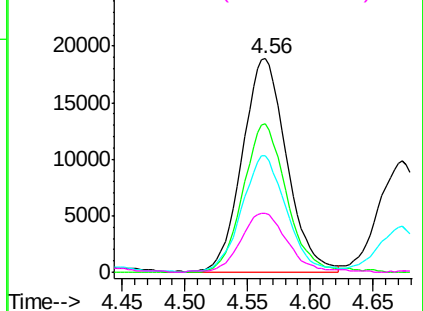


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 10.09 ug/l

RT: 4.44 min Scan# 1197

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Tgt Ion: 55 Resp: 68878

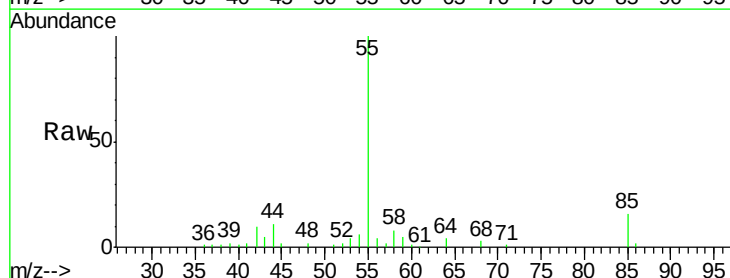
Ion Ratio Lower Upper

55 100

85 15.9 12.3 18.5

58 8.7 7.0 10.6

42 9.2 7.0 10.4

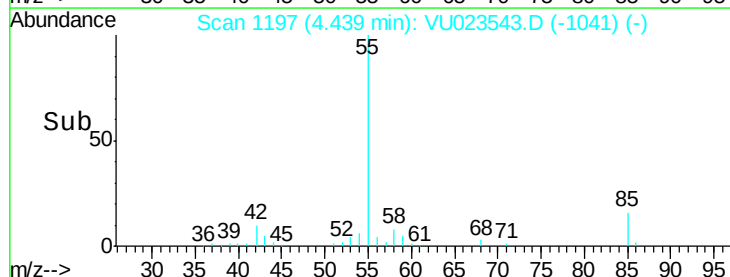
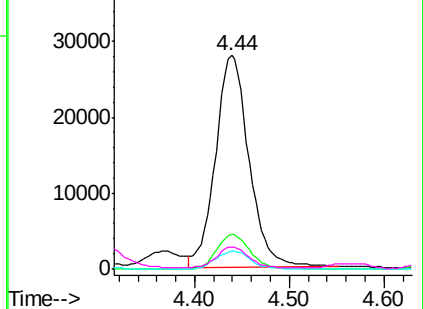


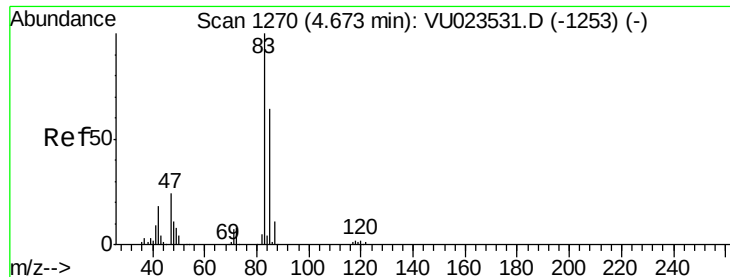
Abundance Ion 55.00 (54.70 to 55.70): VU0

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

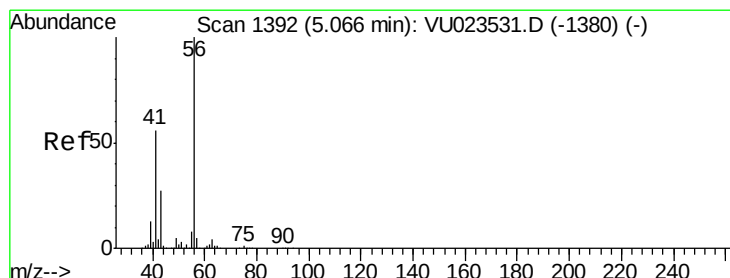
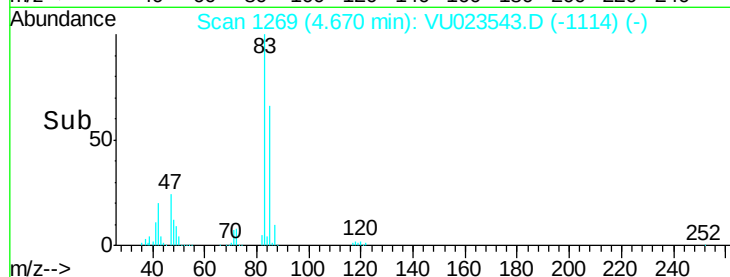
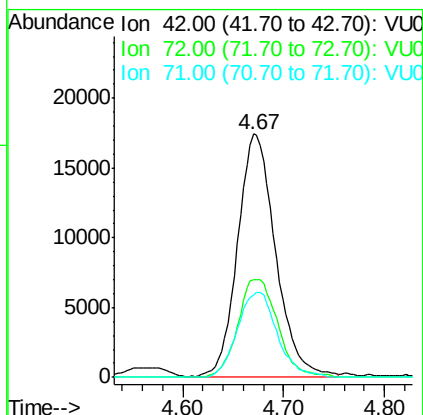
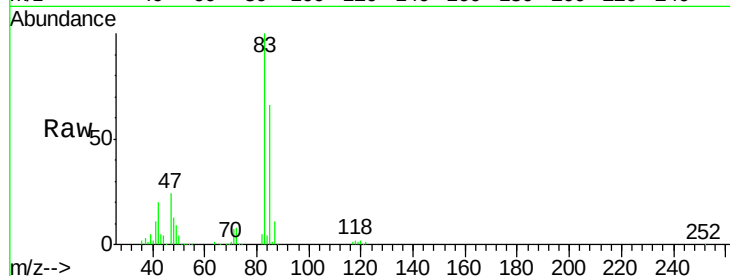




#41
Tetrahydrofuran
Concen: 18.05 ug/l
RT: 4.67 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

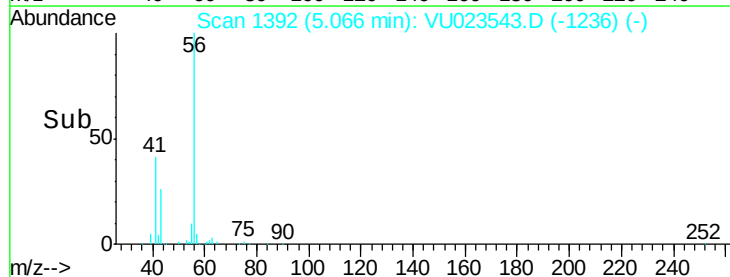
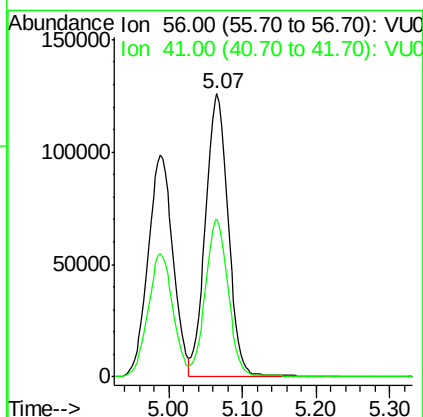
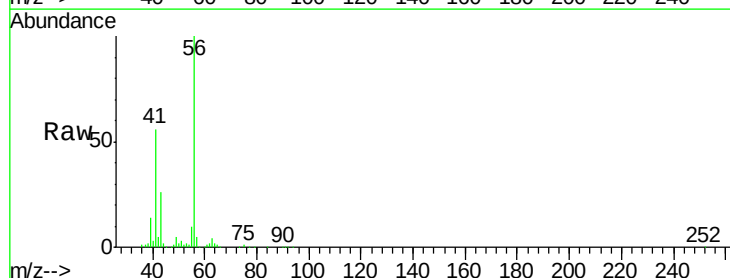
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

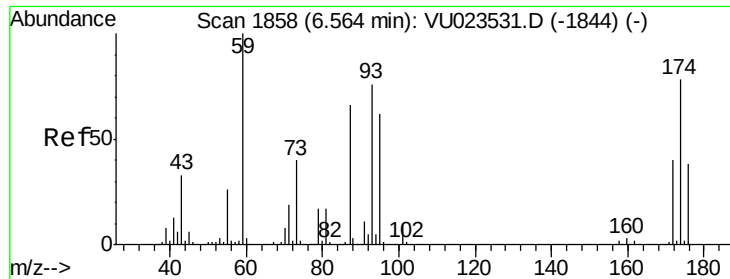
Tgt Ion: 42 Resp: 45773
Ion Ratio Lower Upper
42 100
72 41.9 33.2 49.8
71 36.5 29.8 44.8



#42
1-Chlorobutane
Concen: 9.78 ug/l
RT: 5.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion: 56 Resp: 270859
Ion Ratio Lower Upper
56 100
41 55.5 27.5 82.5





#43

Dibromomethane

Concen: 10.04 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

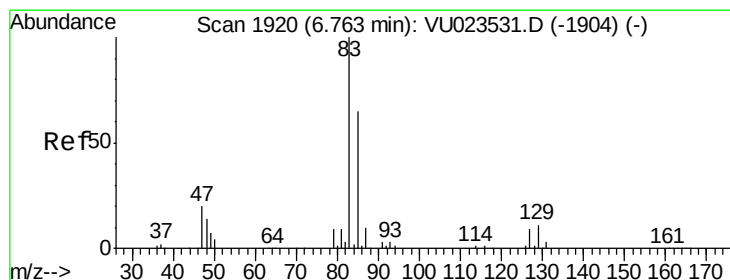
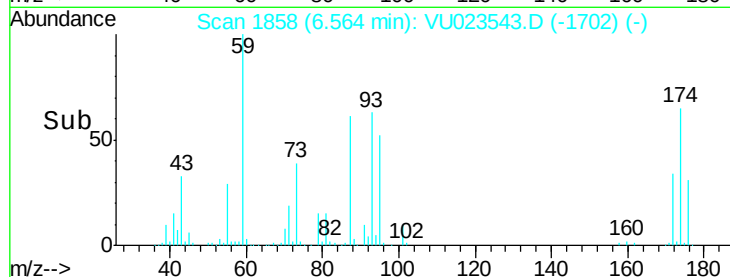
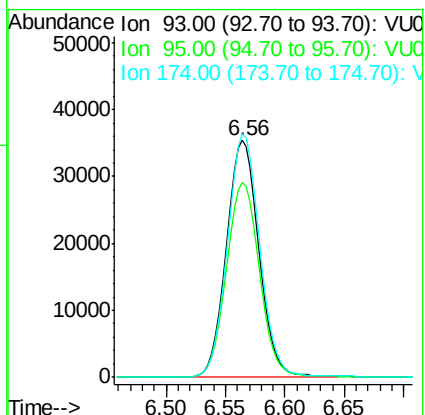
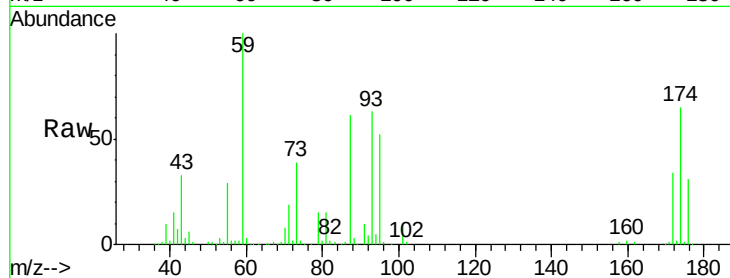
Tgt Ion: 93 Resp: 67236

Ion Ratio Lower Upper

93 100

95 84.0 67.2 100.8

174 102.2 82.8 124.2



#44

Bromodichloromethane

Concen: 10.03 ug/l

RT: 6.76 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

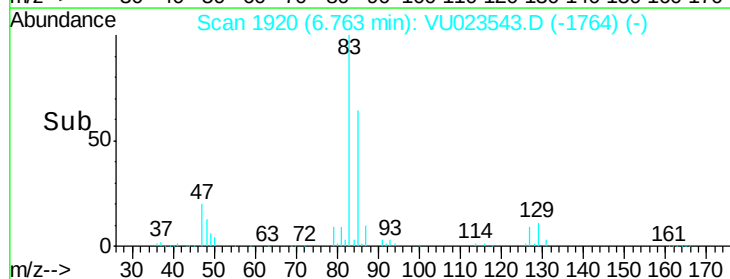
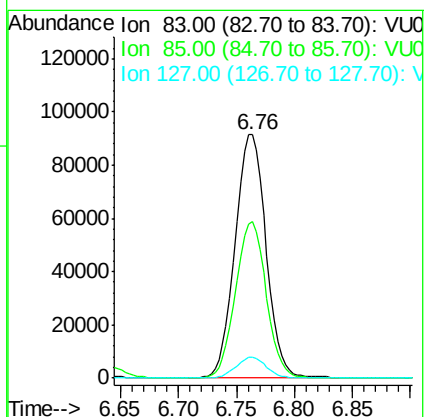
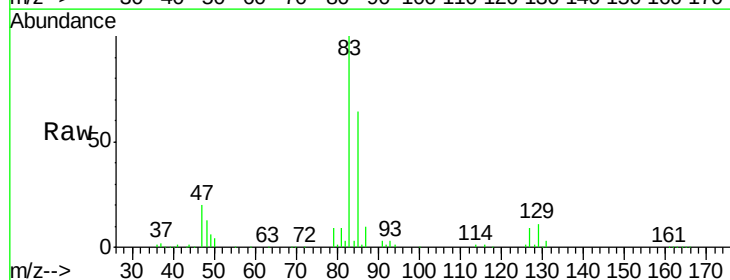
Tgt Ion: 83 Resp: 168858

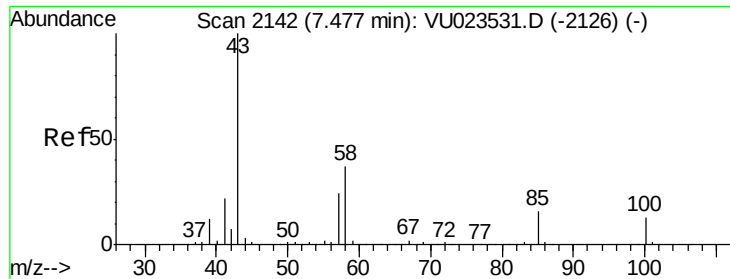
Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.4

127 8.5 7.0 10.4





#45

4-Methyl-2-Pentanone

Concen: 52.84 ug/l

RT: 7.48 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

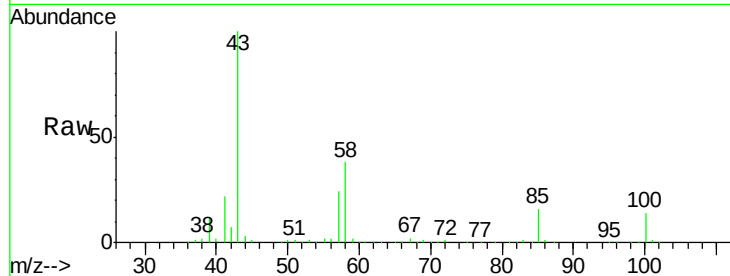
Tgt Ion: 43 Resp: 418229

Ion Ratio Lower Upper

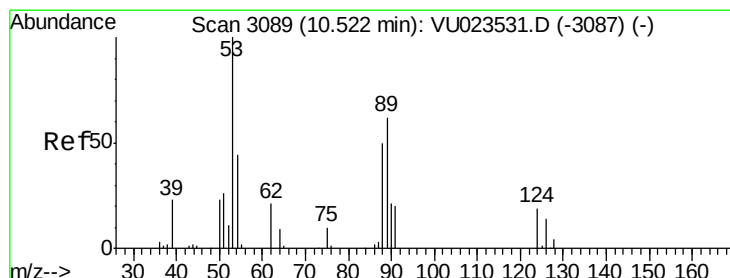
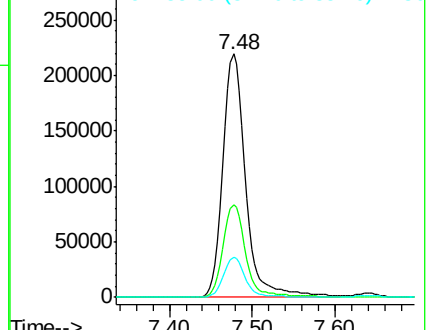
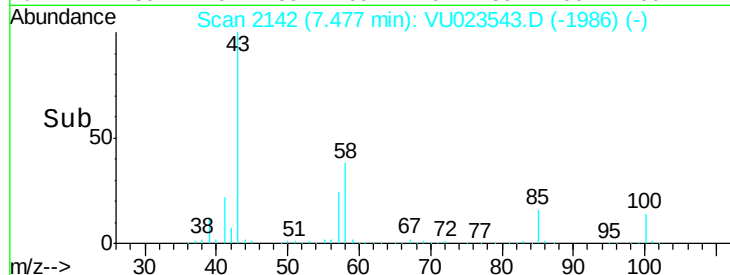
43 100

58 38.1 18.8 56.4

85 16.0 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VU023543.D (-1986) (-)



#46

t-1,4-Dichloro-2-butene

Concen: 58.02 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. -0.02 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Tgt Ion: 75 Resp: 135786

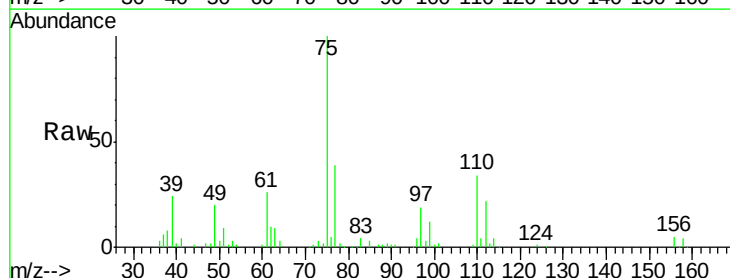
Ion Ratio Lower Upper

75 100

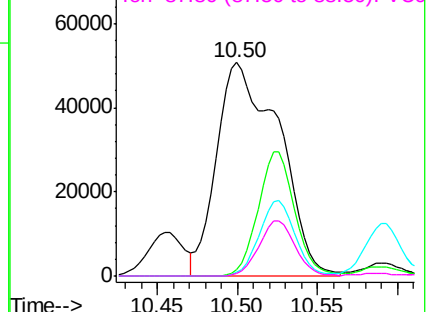
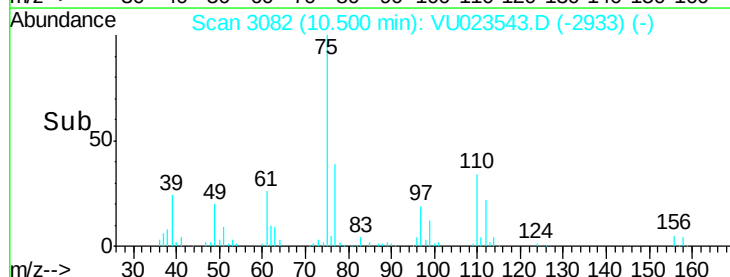
53 34.1 82.2 123.4#

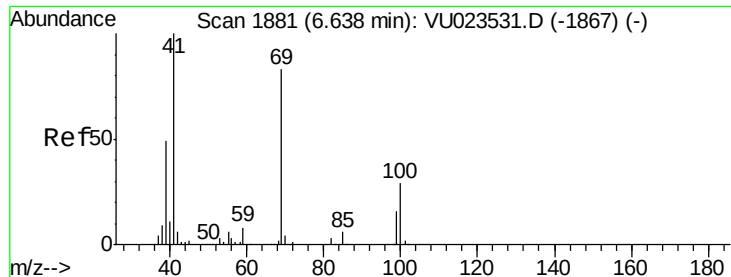
89 20.4 51.3 76.9#

88 15.1 37.4 56.2#



Abundance Ion 74.90 (74.60 to 75.60): VU023543.D (-2933) (-)





#47

Methyl methacrylate

Concen: 20.99 ug/l

RT: 6.64 min Scan# 1881

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 69 Resp: 127390

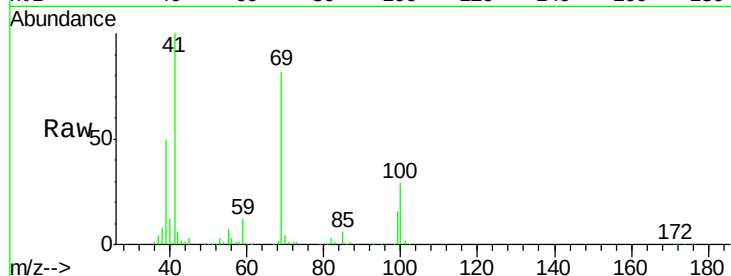
Ion Ratio Lower Upper

69 100

41 124.8 0.0 245.4

39 61.3 49.0 73.4

100 35.4 27.8 41.8

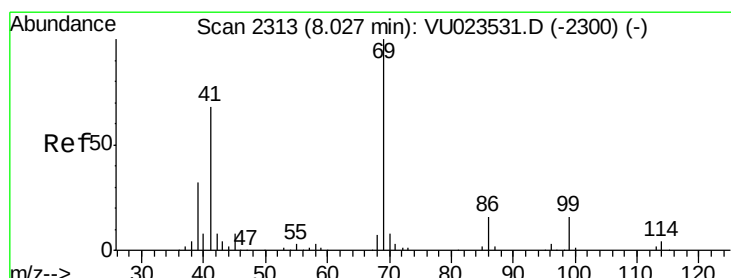
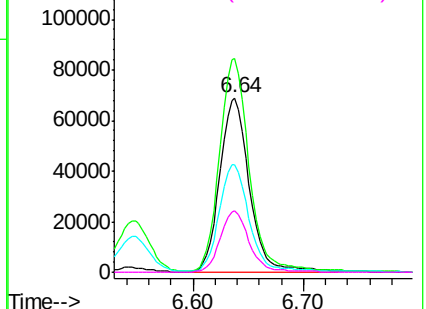
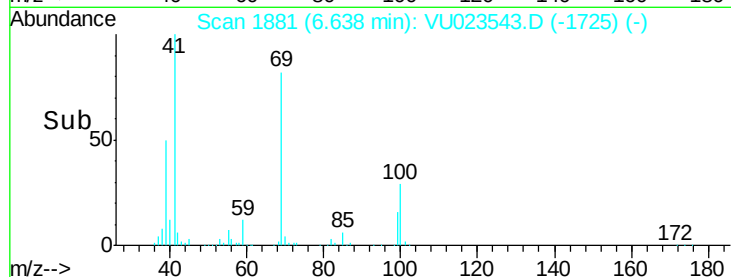


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#48

Ethyl methacrylate

Concen: 10.74 ug/l

RT: 8.03 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VU023543.D

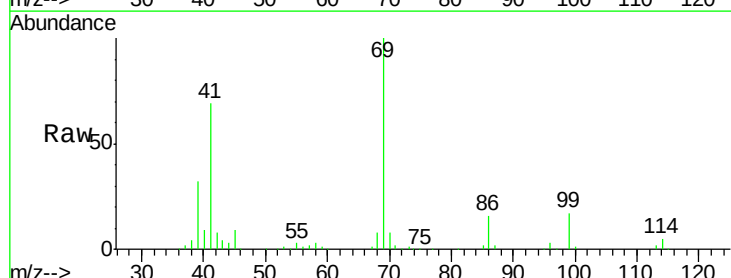
Acq: 30 Apr 2018 22:54

Tgt Ion: 69 Resp: 113972

Ion Ratio Lower Upper

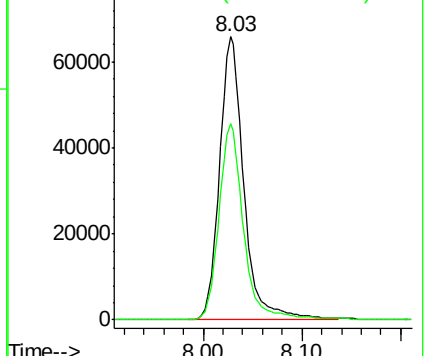
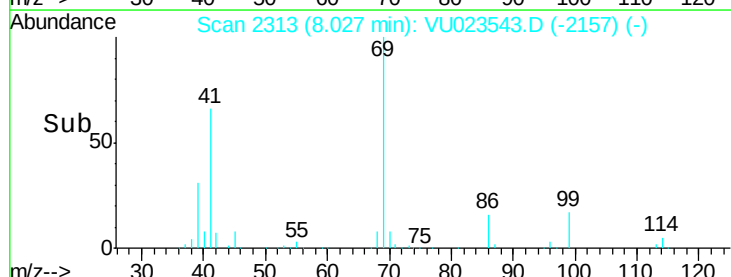
69 100

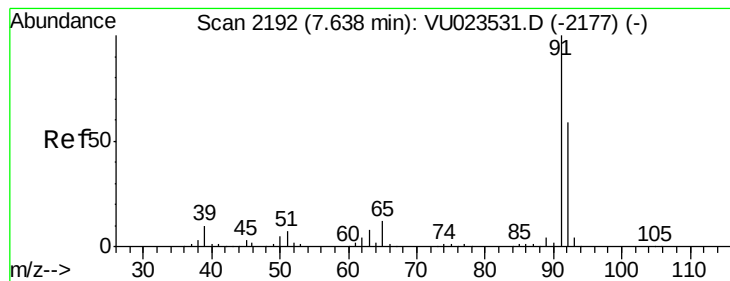
41 69.0 34.2 102.5



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 10.34 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

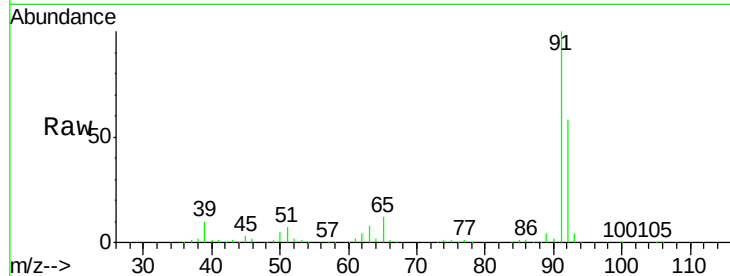
VSTDCCC010EC

Tgt Ion: 92 Resp: 339154

Ion Ratio Lower Upper

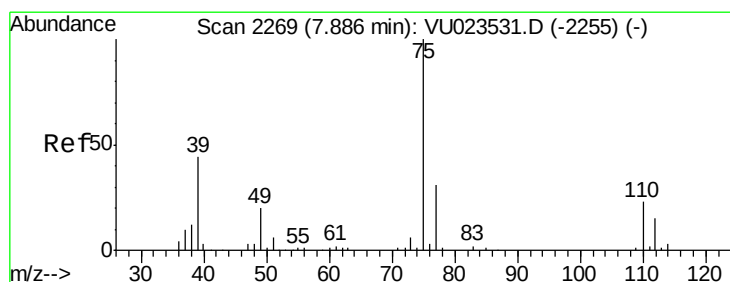
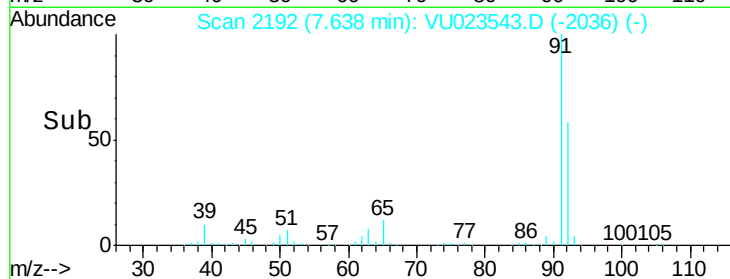
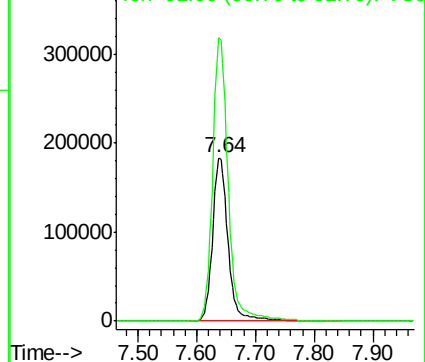
92 100

91 174.3 137.1 205.7



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: 10.55 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU023543.D

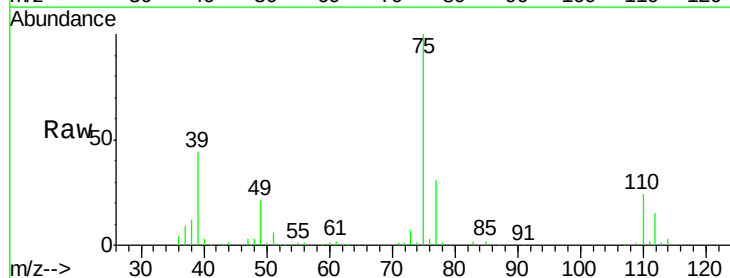
Acq: 30 Apr 2018 22:54

Tgt Ion: 75 Resp: 151613

Ion Ratio Lower Upper

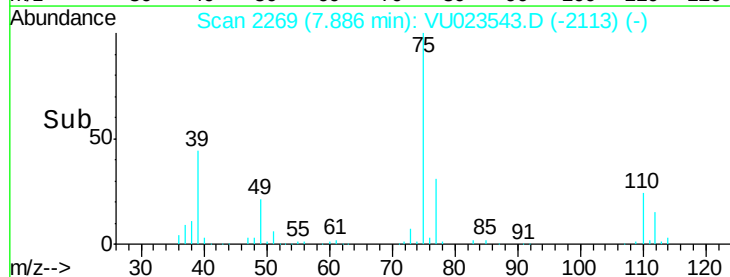
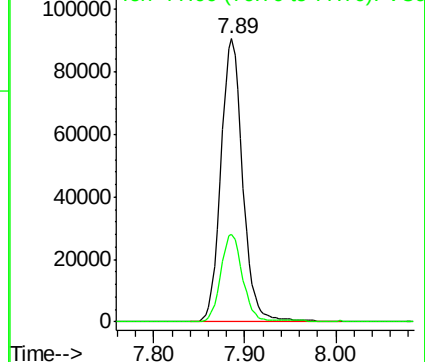
75 100

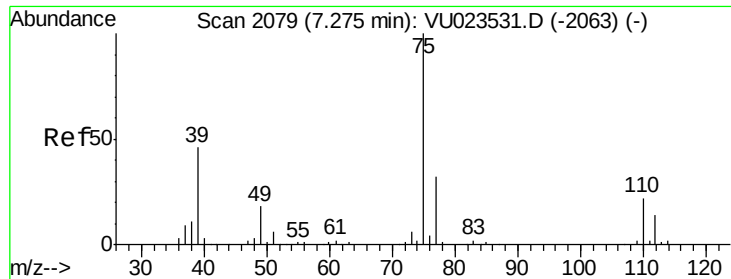
77 31.0 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



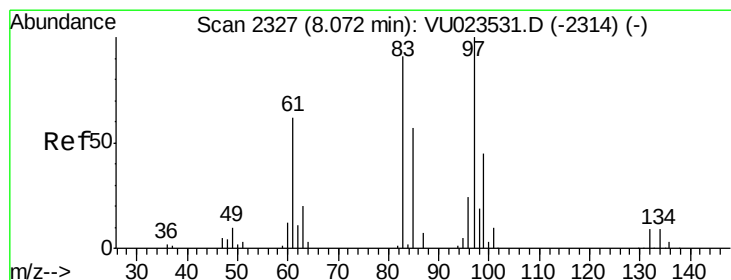
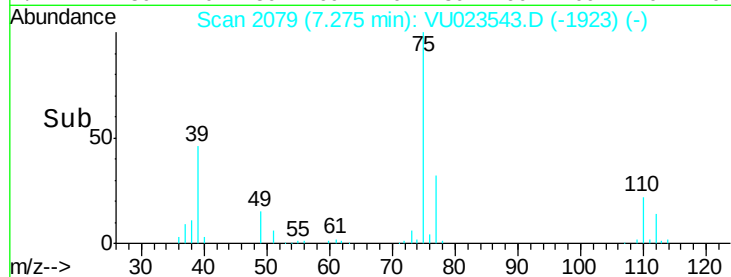
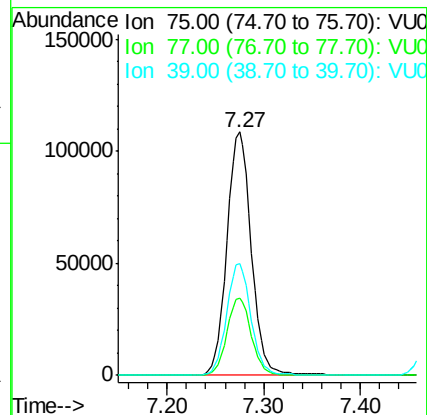
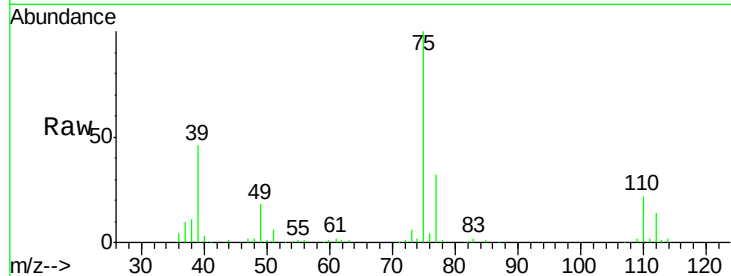


#51

cis-1,3-Dichloropropene
Concen: 10.18 ug/l
RT: 7.27 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

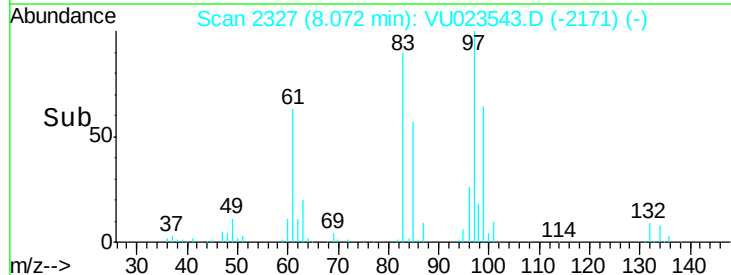
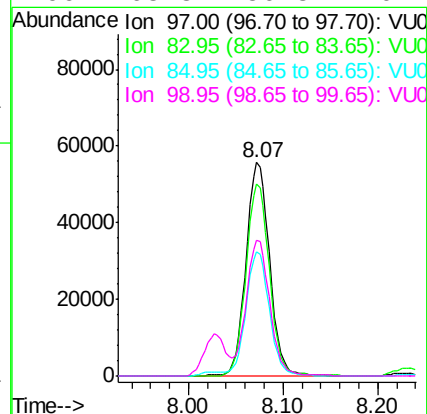
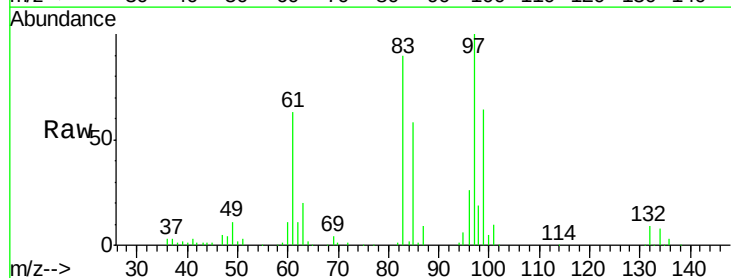
Tgt Ion: 75 Resp: 190298
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8
39 46.0 36.4 54.6

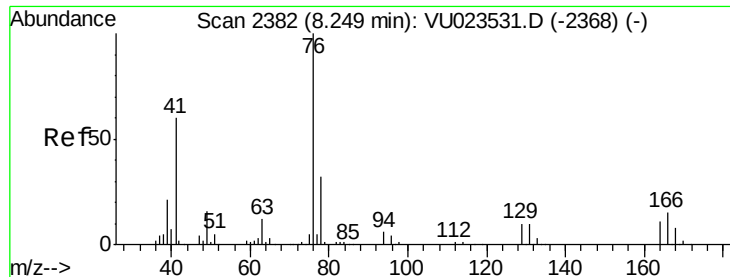


#52

1,1,2-Trichloroethane
Concen: 10.12 ug/l
RT: 8.07 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion: 97 Resp: 96446
Ion Ratio Lower Upper
97 100
83 90.1 72.6 109.0
85 58.0 47.2 70.8
99 63.8 50.8 76.2





#53

1,3-Dichloropropane

Concen: 10.26 ug/l

RT: 8.25 min Scan# 2382

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

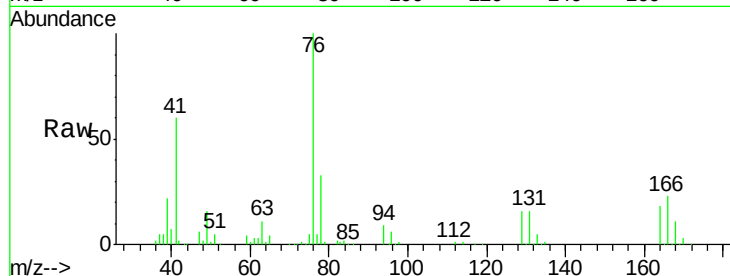
VSTDCCC010EC

Tgt Ion: 76 Resp: 173794

Ion Ratio Lower Upper

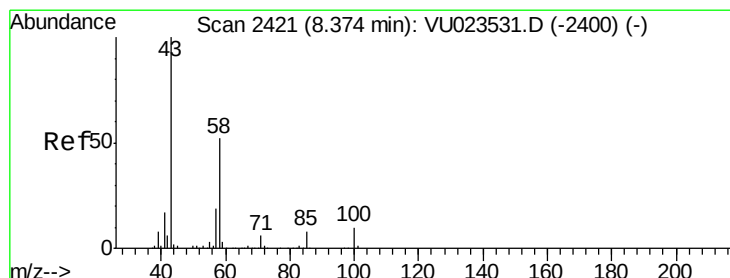
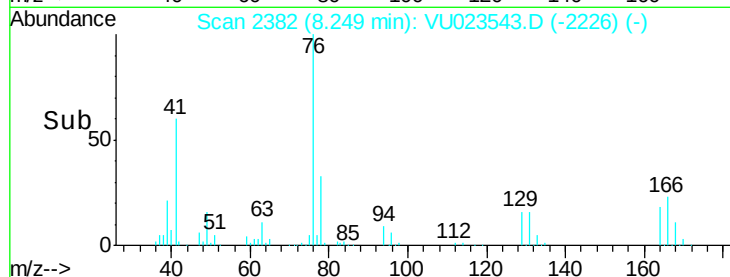
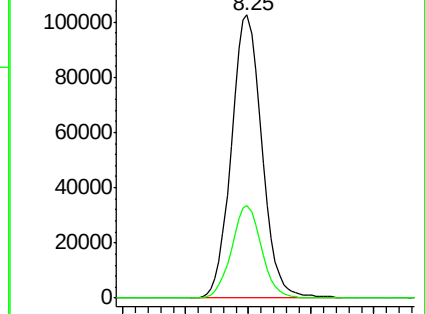
76 100

78 32.3 25.7 38.5



Abundance Ion 76.00 (75.70 to 76.70): VU023543.D (-2226) (-)

Ion 78.00 (77.70 to 78.70): VU023543.D (-2226) (-)



#54

2-Hexanone

Concen: 52.38 ug/l

RT: 8.37 min Scan# 2421

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

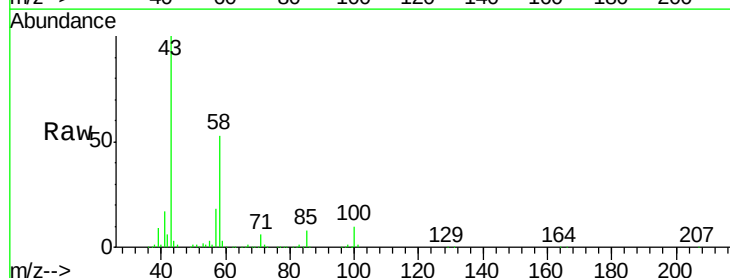
Tgt Ion: 43 Resp: 282445

Ion Ratio Lower Upper

43 100

58 52.2 32.5 72.5

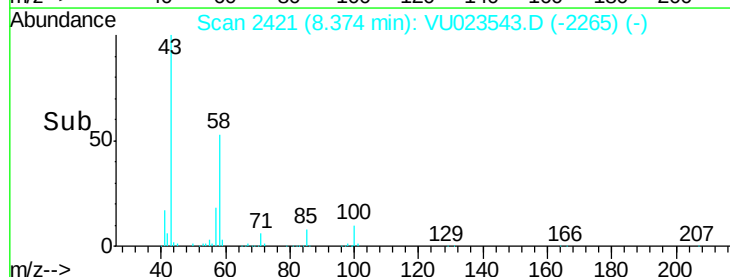
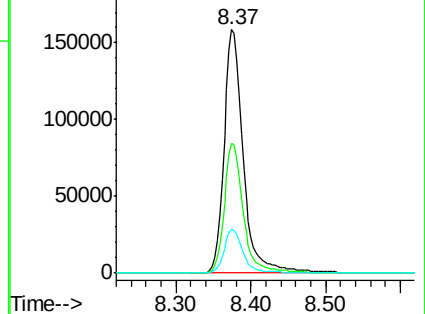
57 17.9 0.0 37.9

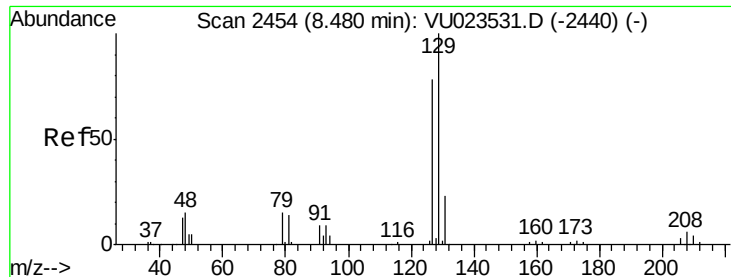


Abundance Ion 43.00 (42.70 to 43.70): VU023543.D (-2265) (-)

Ion 58.00 (57.70 to 58.70): VU023543.D (-2265) (-)

Ion 57.00 (56.70 to 57.70): VU023543.D (-2265) (-)





#55

Dibromochloromethane

Concen: 10.36 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

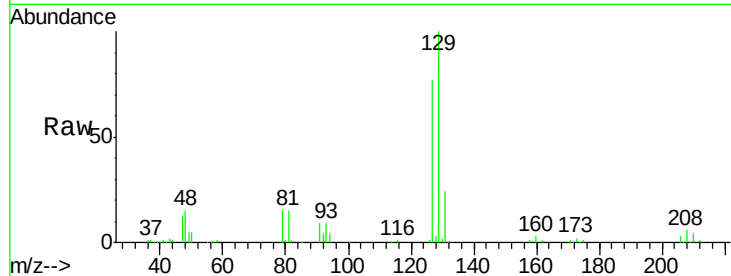
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:129 Resp: 108185

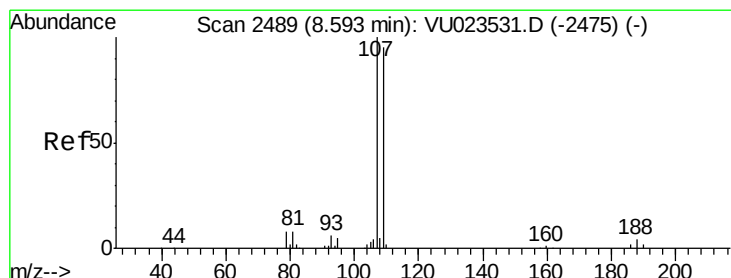
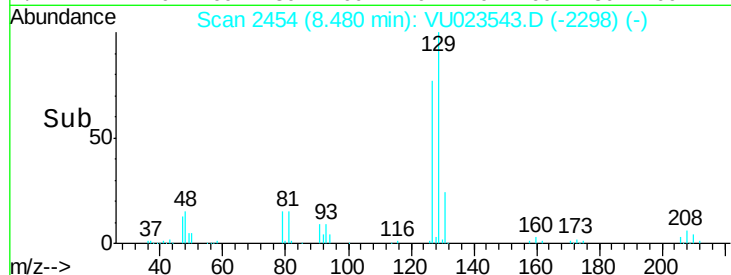
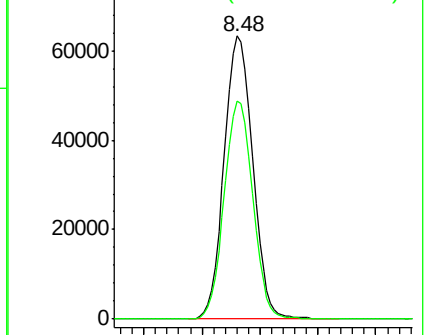
Ion Ratio Lower Upper

129 100

127 77.1 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: 10.27 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU023543.D

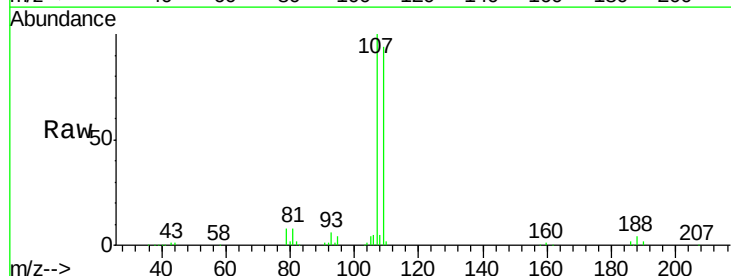
Acq: 30 Apr 2018 22:54

Tgt Ion:107 Resp: 84364

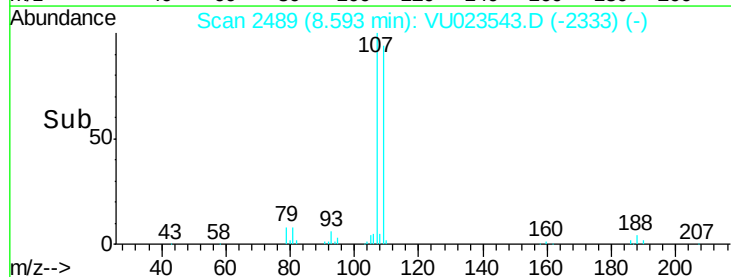
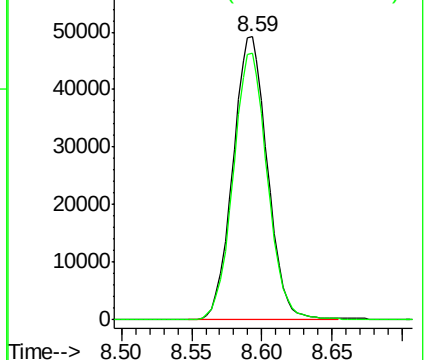
Ion Ratio Lower Upper

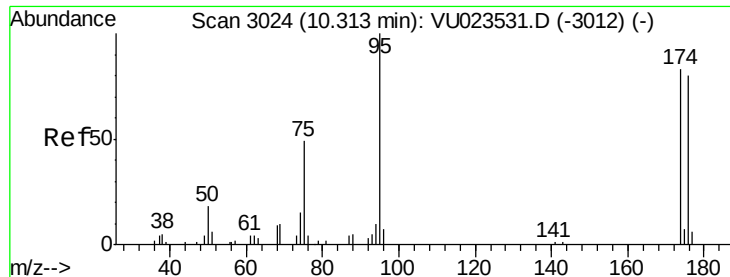
107 100

109 93.5 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V

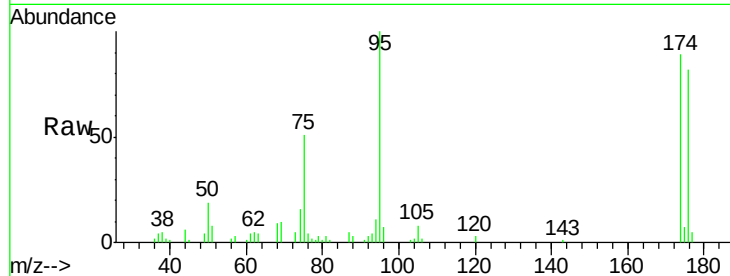




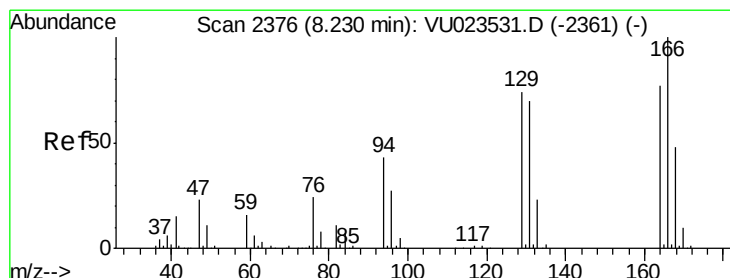
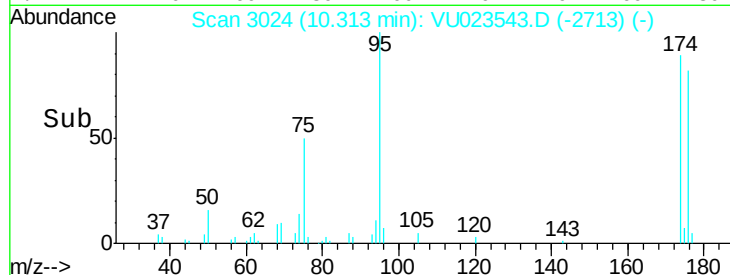
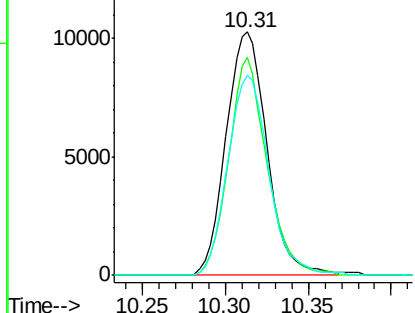
#57
4-Bromofluorobenzene
Concen: 10.27 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 95 Resp: 17583
Ion Ratio Lower Upper
95 100
174 84.0 65.6 98.4
176 82.2 62.0 93.0



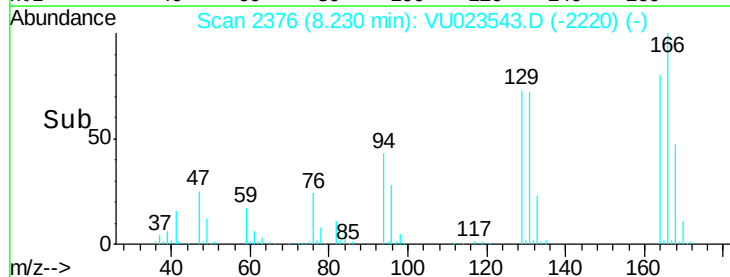
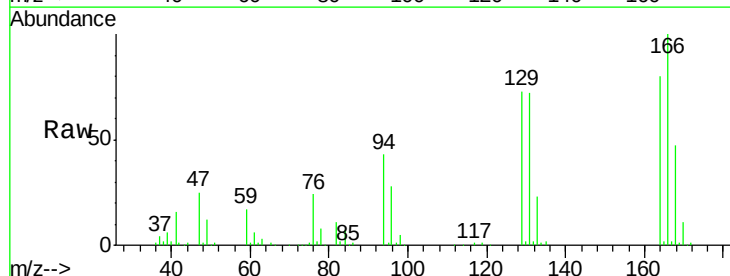
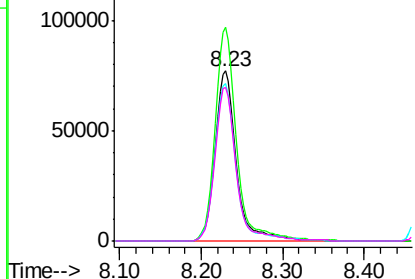
Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

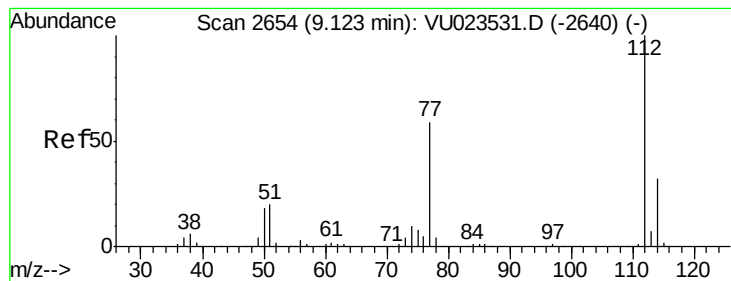


#58
Tetrachloroethene
Concen: 10.28 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion: 164 Resp: 142847
Ion Ratio Lower Upper
164 100
166 125.5 104.1 156.1
129 92.2 76.8 115.2
131 90.4 72.6 108.8

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#59

Chlorobenzene

Concen: 10.27 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

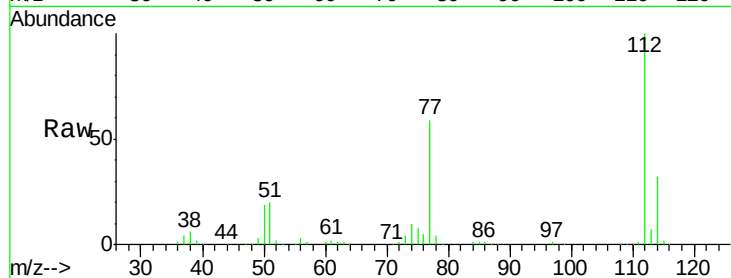
VSTDCCC010EC

Tgt Ion:112 Resp: 360477

Ion Ratio Lower Upper

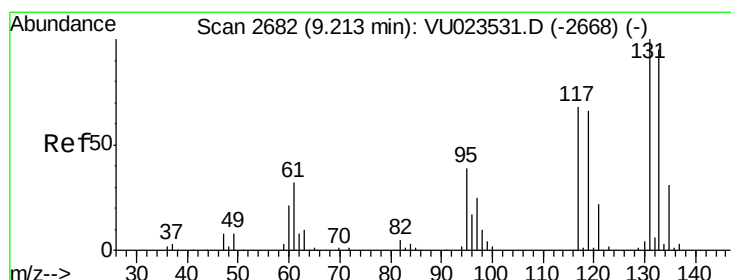
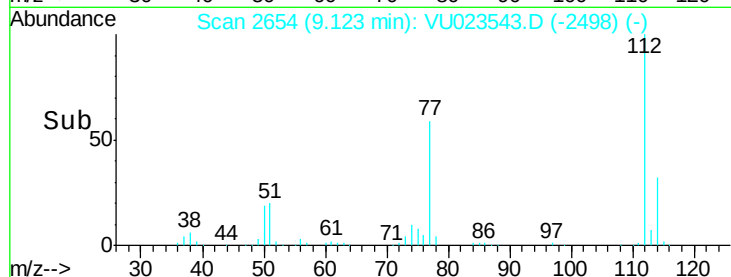
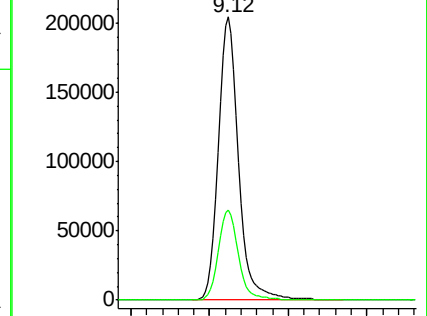
112 100

114 31.7 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: 10.11 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

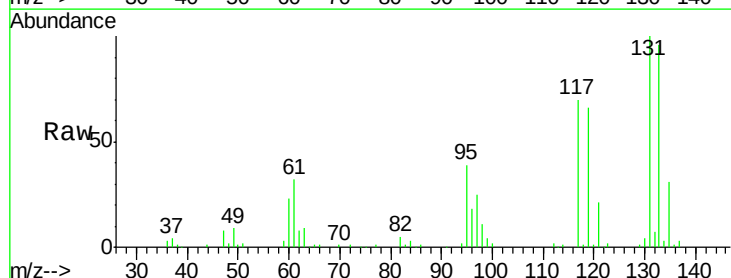
Tgt Ion:131 Resp: 120547

Ion Ratio Lower Upper

131 100

133 96.7 75.8 113.8

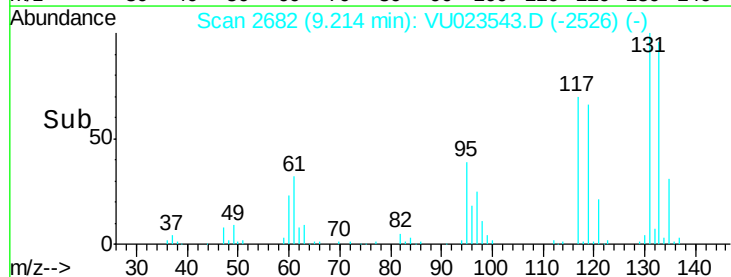
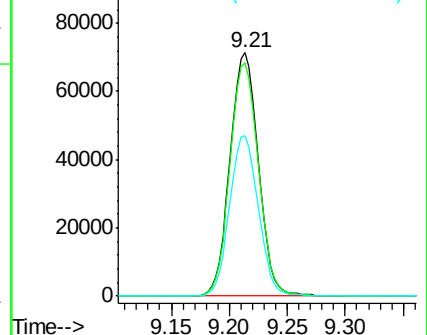
119 66.8 53.0 79.6

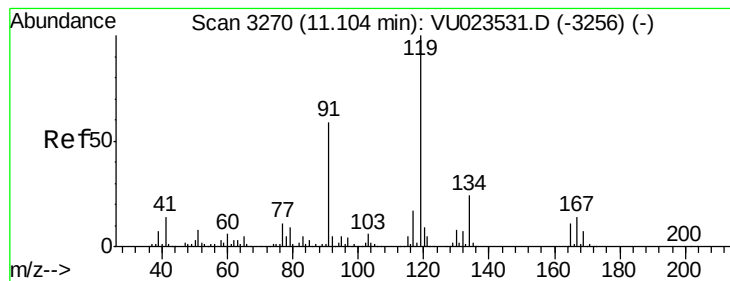


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 9.90 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

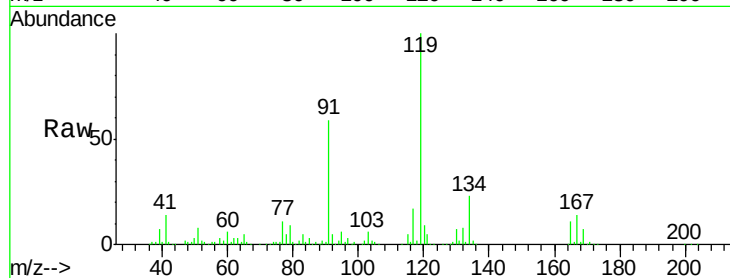
VSTDCCC010EC

Tgt Ion:117 Resp: 83798

Ion Ratio Lower Upper

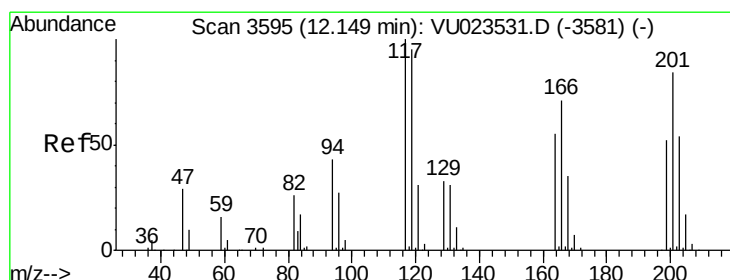
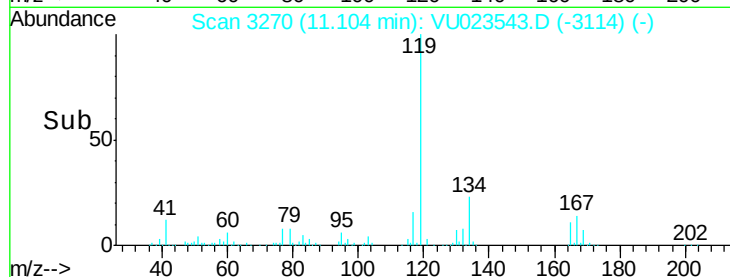
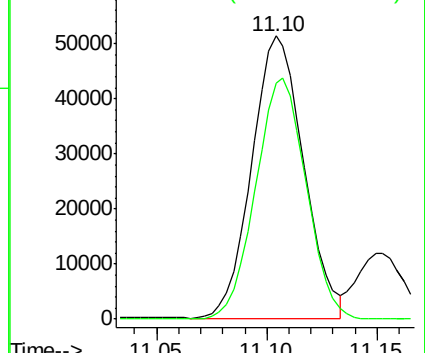
117 100

167 83.1 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: 10.05 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU023543.D

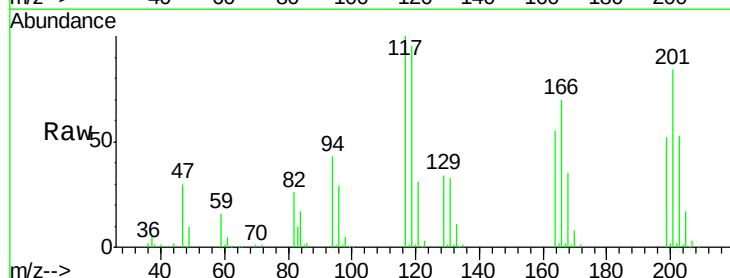
Acq: 30 Apr 2018 22:54

Tgt Ion:117 Resp: 81668

Ion Ratio Lower Upper

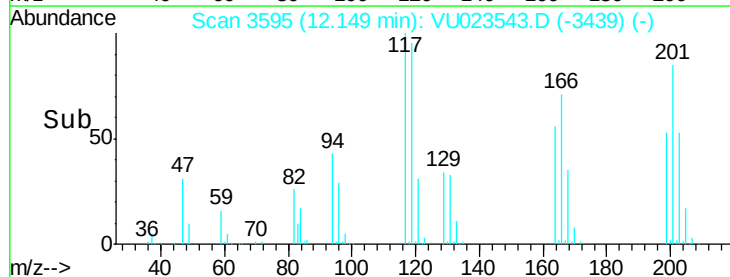
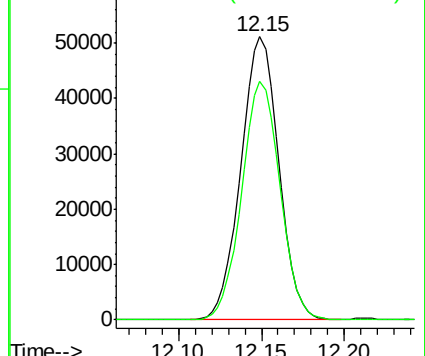
117 100

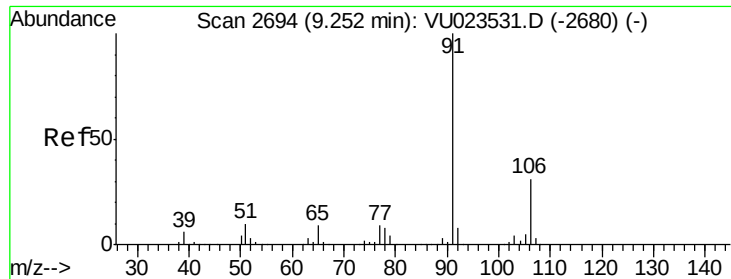
201 85.0 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 10.70 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

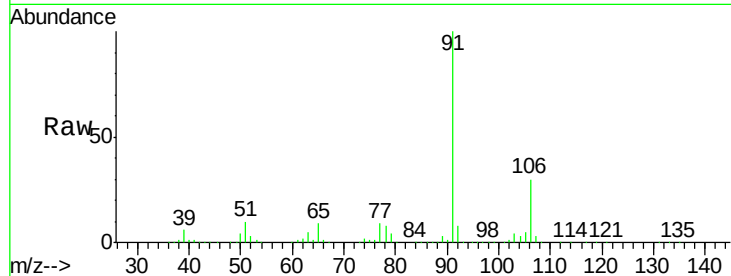
VSTDCCC010EC

Tgt Ion: 91 Resp: 624609

Ion Ratio Lower Upper

91 100

106 30.4 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VU023531.D (-2680) (-)

Ion 106.00 (105.70 to 106.70): VU023531.D (-2680) (-)

600000

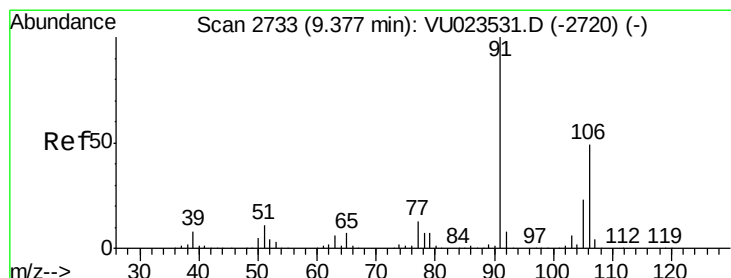
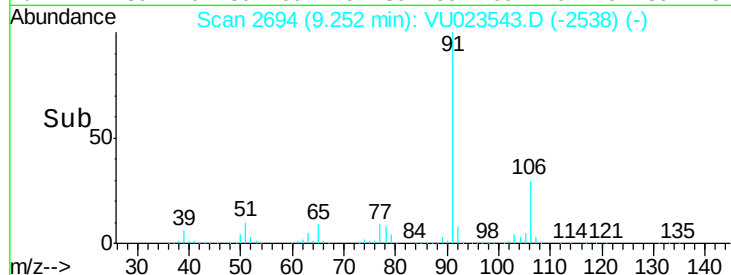
400000

200000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#64

m/p-Xylenes

Concen: 21.96 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU023543.D

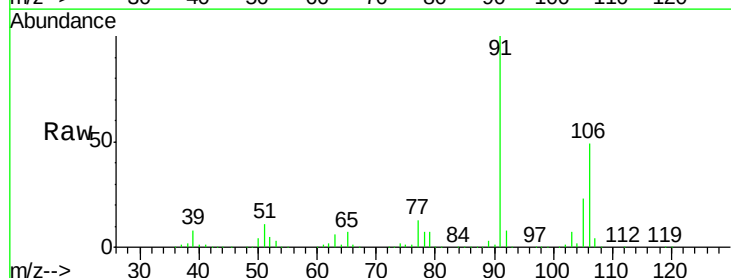
Acq: 30 Apr 2018 22:54

Tgt Ion: 106 Resp: 494127

Ion Ratio Lower Upper

106 100

91 205.5 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): VU023531.D (-2720) (-)

Ion 91.00 (90.70 to 91.70): VU023531.D (-2720) (-)

600000

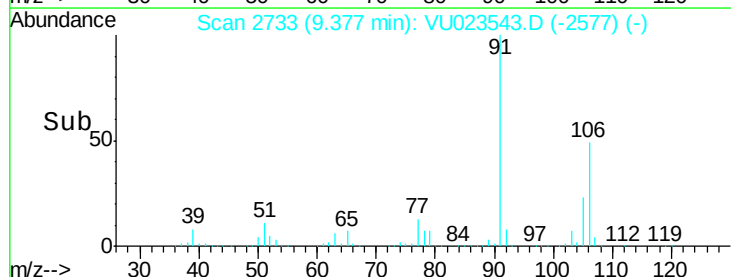
400000

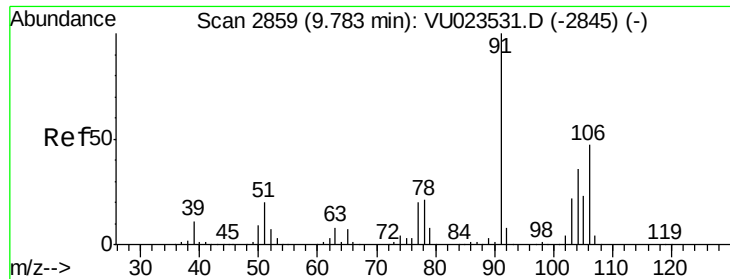
200000

0

9.30 9.40 9.50 9.60

Time-->

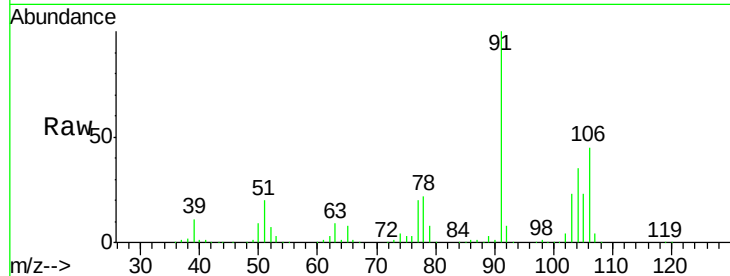




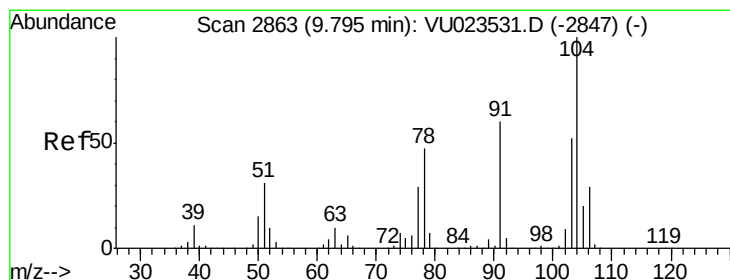
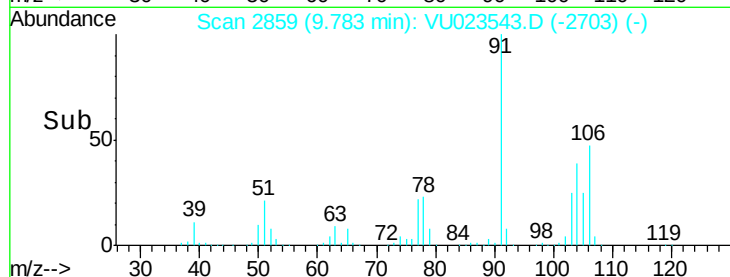
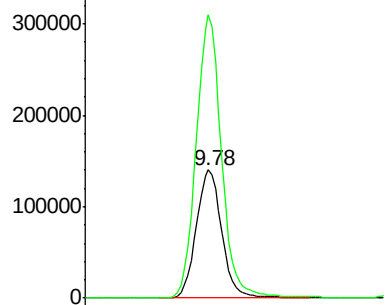
#65
o-Xylene
Concen: 10.74 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:106 Resp: 232689
Ion Ratio Lower Upper
106 100
91 218.8 107.9 323.7

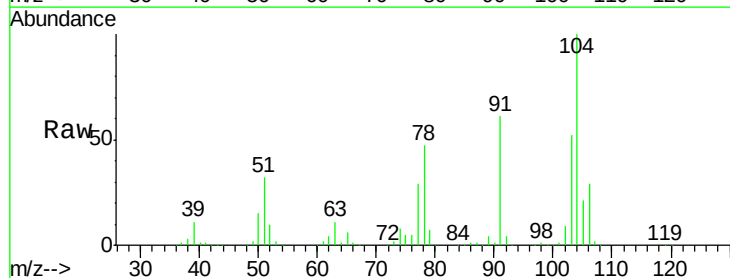


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

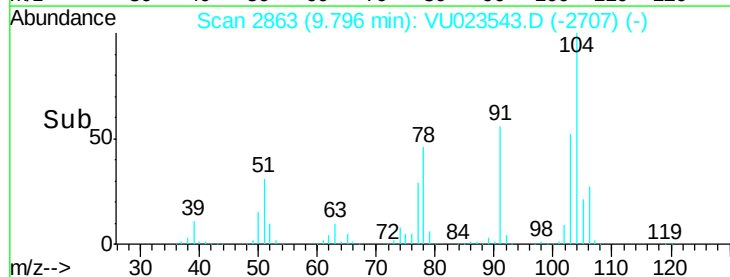
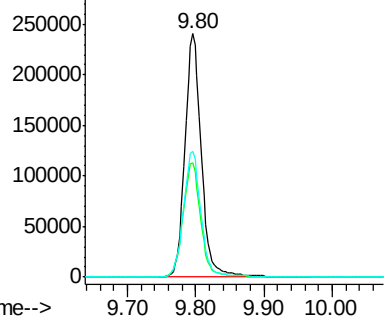


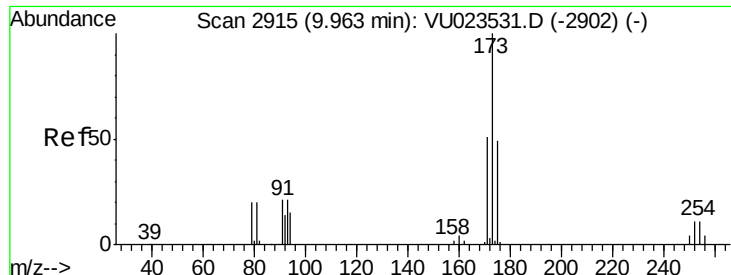
#66
Styrene
Concen: 11.30 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion:104 Resp: 403828
Ion Ratio Lower Upper
104 100
78 50.4 40.2 60.2
103 55.2 44.2 66.4



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





#67

Bromoform

Concen: 10.68 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

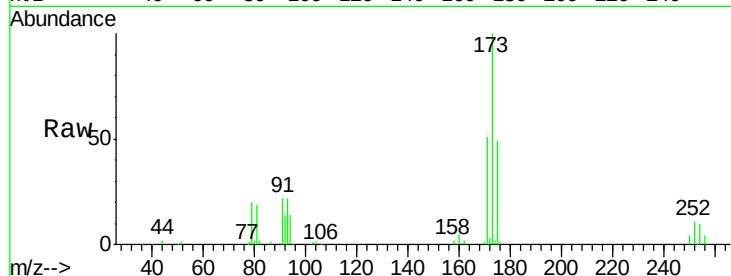
Tgt Ion:173 Resp: 58236

Ion Ratio Lower Upper

173 100

175 48.4 38.6 57.8

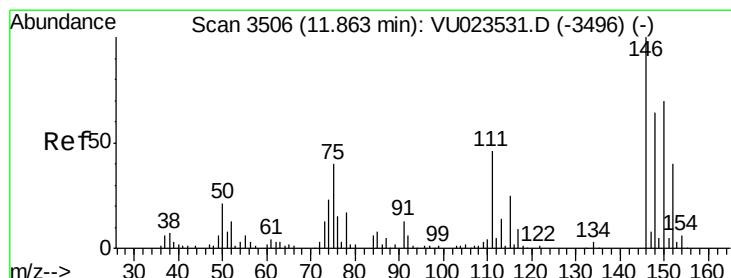
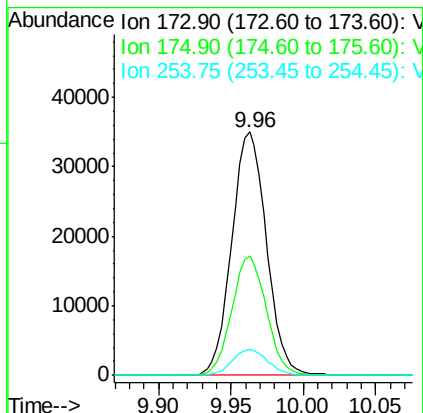
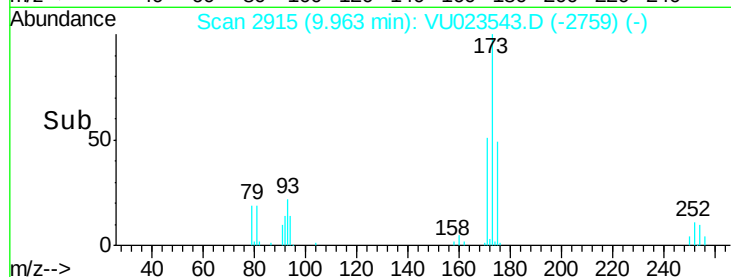
254 10.7 8.8 13.2



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: 10.68 ug/l

RT: 11.86 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

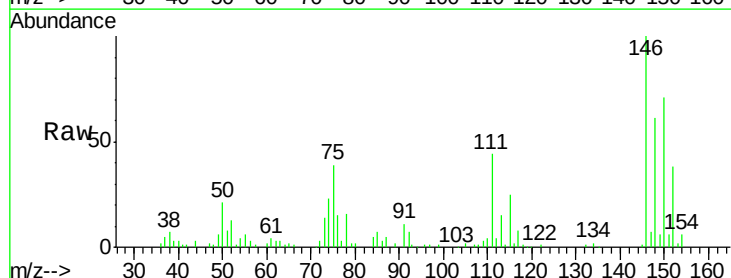
Tgt Ion:152 Resp: 15785

Ion Ratio Lower Upper

152 100

115 62.5 0.0 118.8

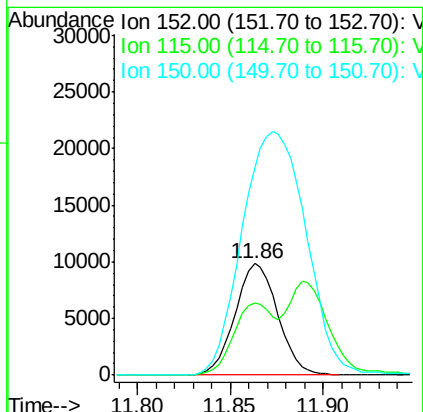
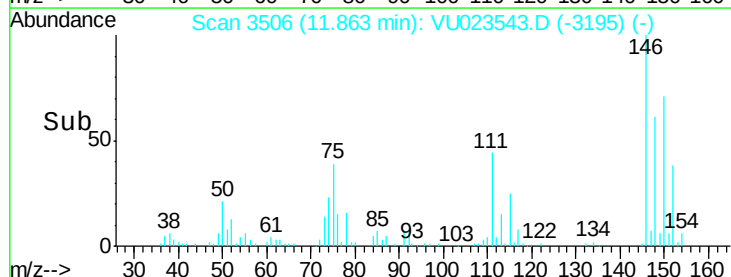
150 328.6 0.0 0.0#

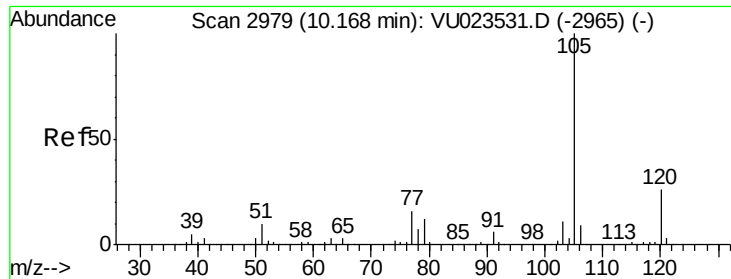


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 10.78 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

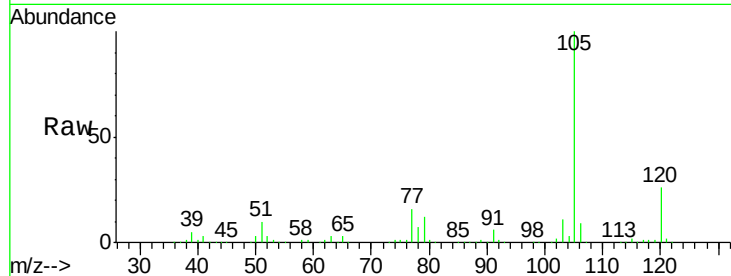
VSTDCCC010EC

Tgt Ion:105 Resp: 601906

Ion Ratio Lower Upper

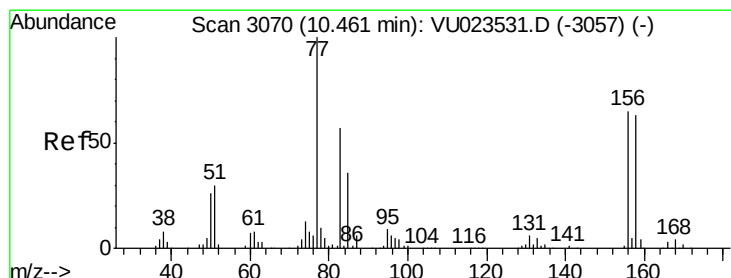
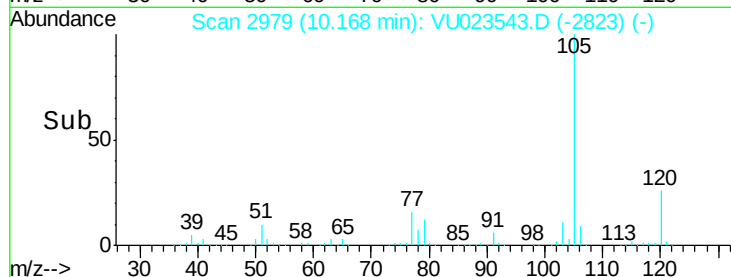
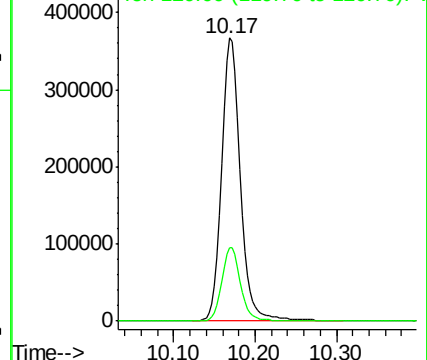
105 100

120 26.1 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: 10.44 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

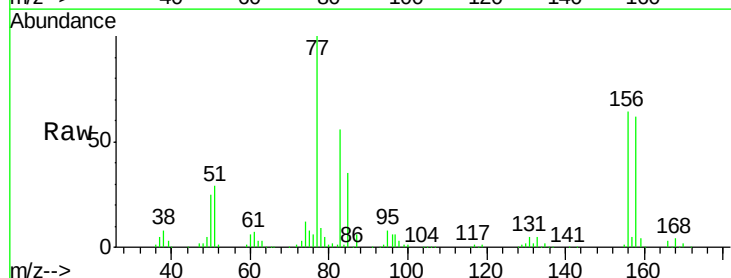
Tgt Ion: 83 Resp: 112087

Ion Ratio Lower Upper

83 100

131 9.8 7.9 11.9

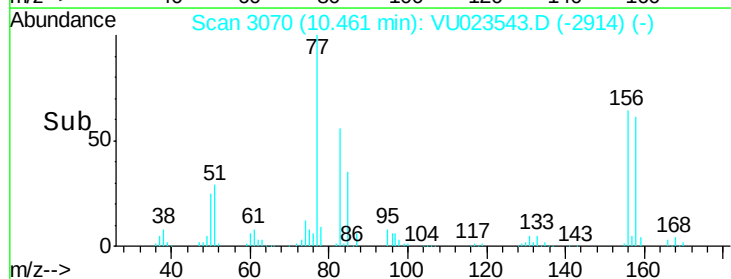
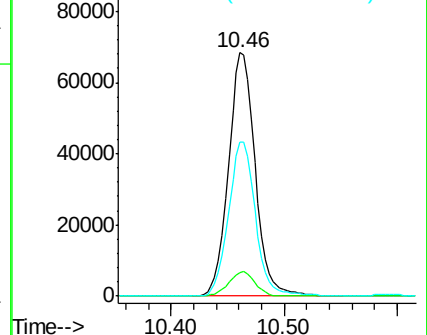
85 64.1 51.8 77.6

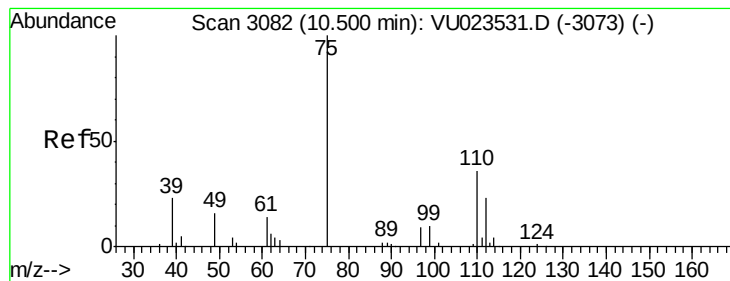


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 17.66 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 75 Resp: 135786

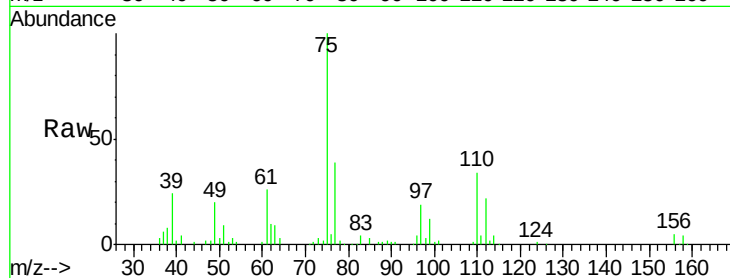
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 20.6 0.0 74.0

97 11.1 0.0 39.6

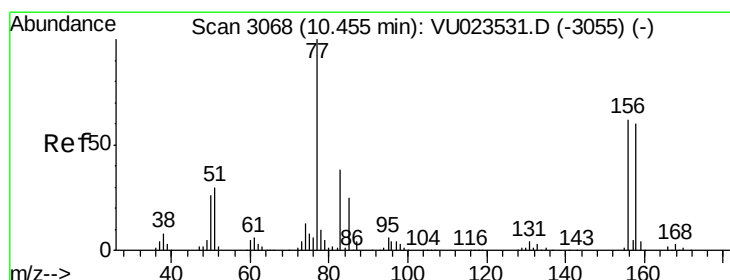
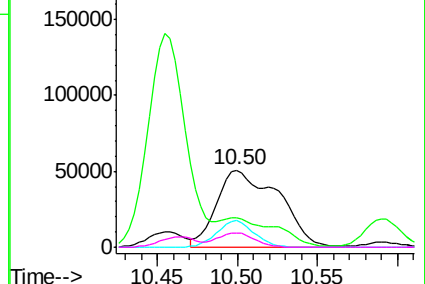
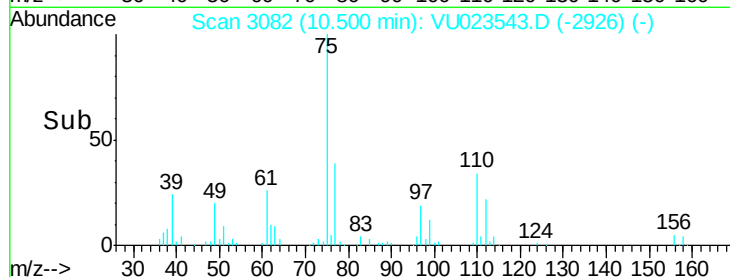


Abundance Ion 75.00 (74.70 to 75.70): VU0

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: 10.42 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

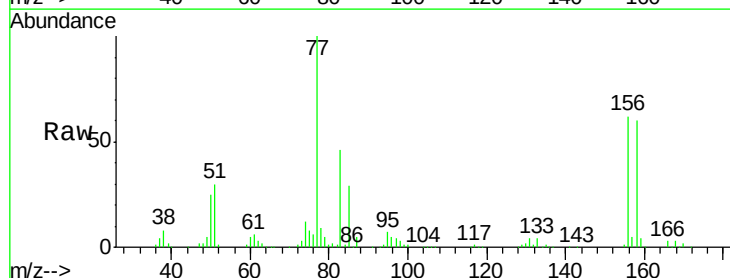
Tgt Ion: 156 Resp: 144854

Ion Ratio Lower Upper

156 100

77 163.0 0.0 309.8

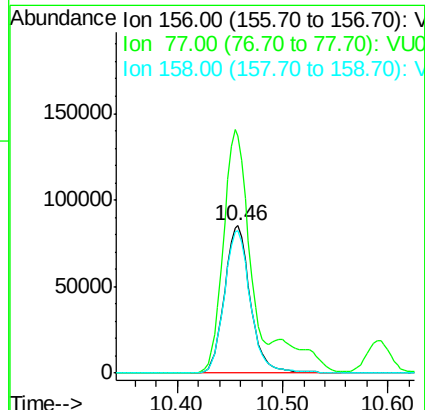
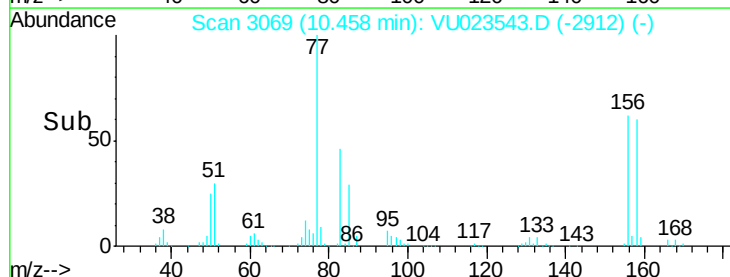
158 97.2 0.0 193.0

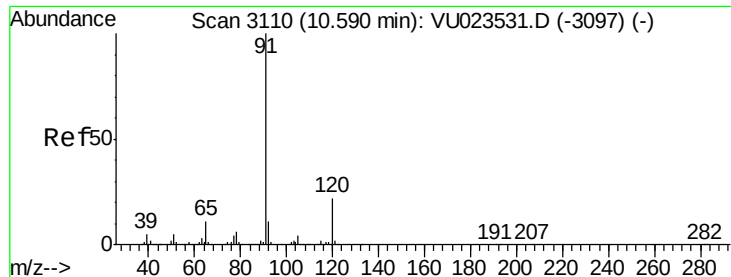


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 10.99 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

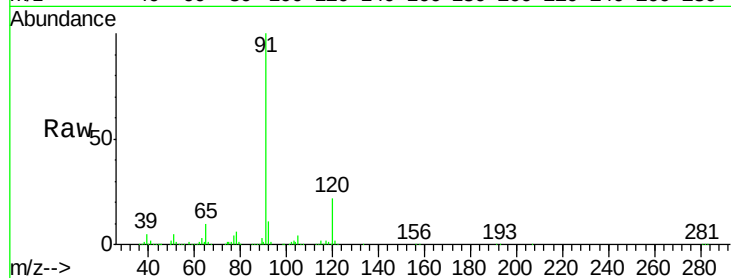
VSTDCCC010EC

Tgt Ion:120 Resp: 169549

Ion Ratio Lower Upper

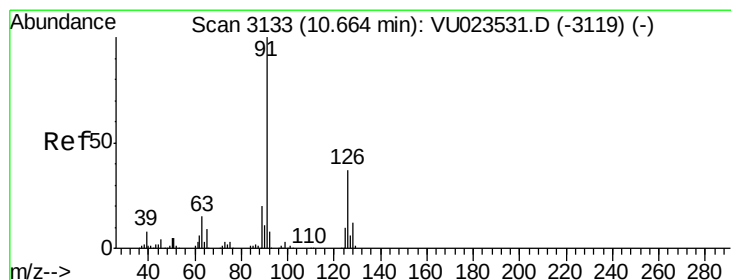
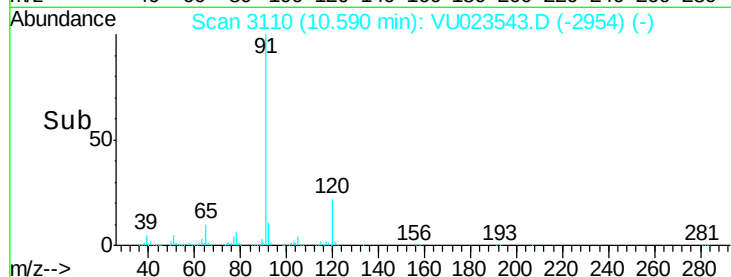
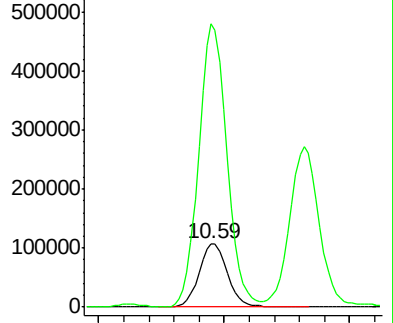
120 100

91 440.4 352.2 528.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.87 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU023543.D

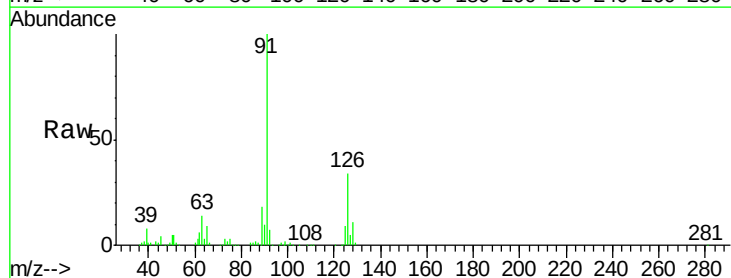
Acq: 30 Apr 2018 22:54

Tgt Ion:126 Resp: 148246

Ion Ratio Lower Upper

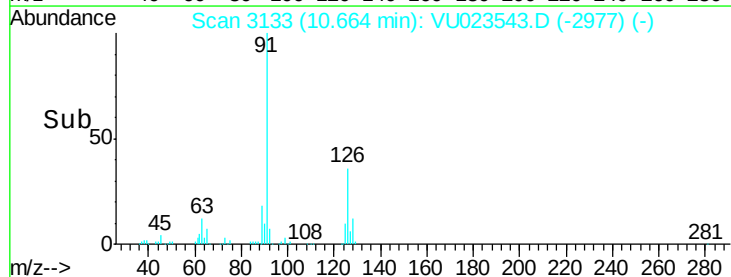
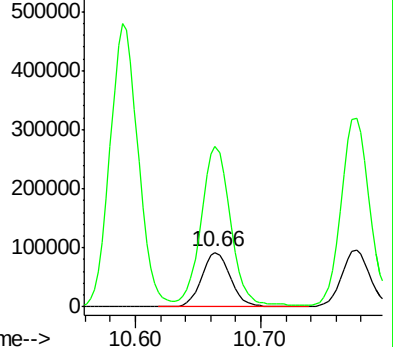
126 100

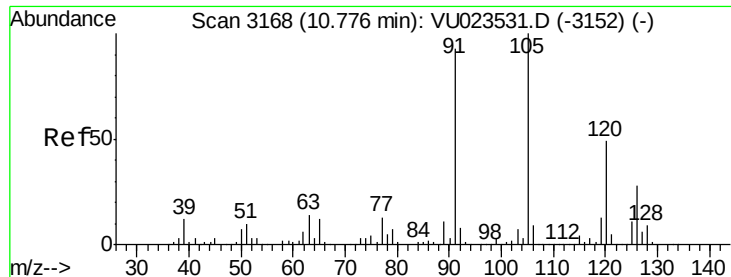
91 301.9 0.0 613.0



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: 11.21 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

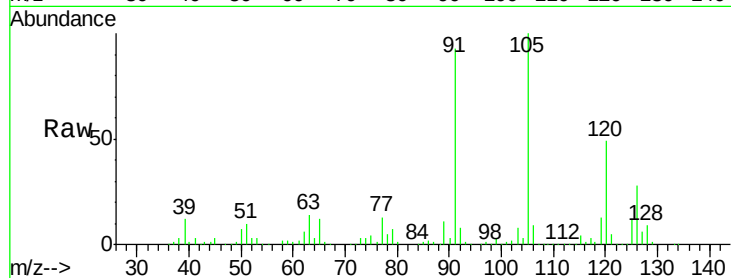
VSTDCCC010EC

Tgt Ion:105 Resp: 527292

Ion Ratio Lower Upper

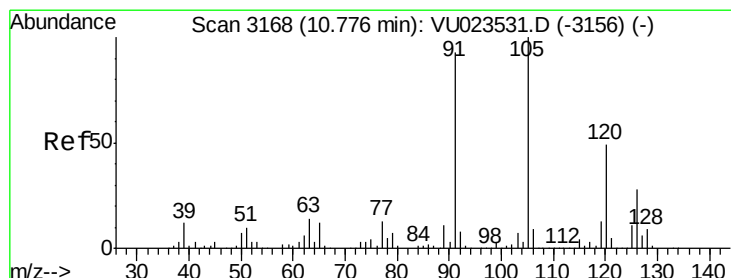
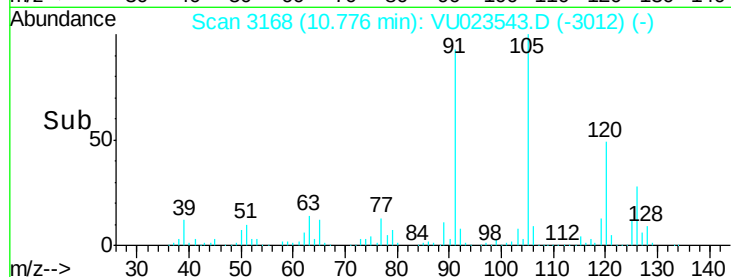
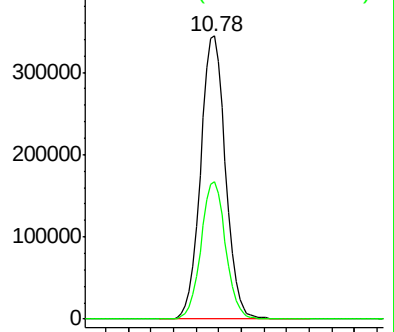
105 100

120 48.0 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 10.79 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU023543.D

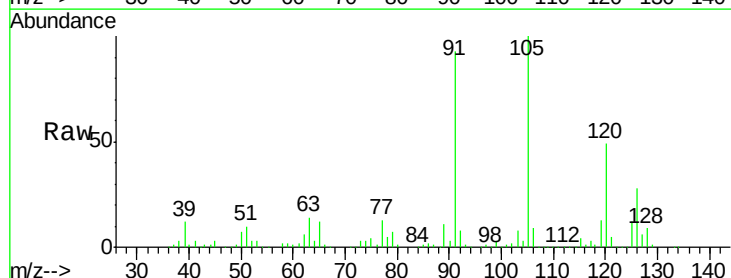
Acq: 30 Apr 2018 22:54

Tgt Ion:126 Resp: 152500

Ion Ratio Lower Upper

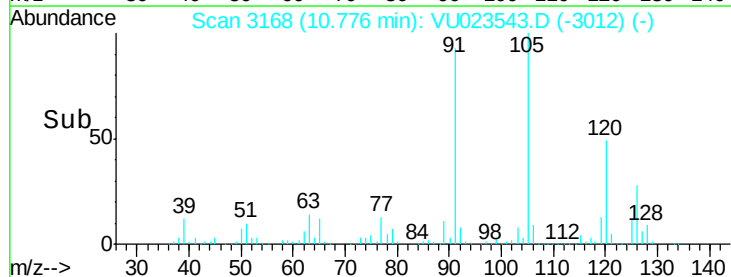
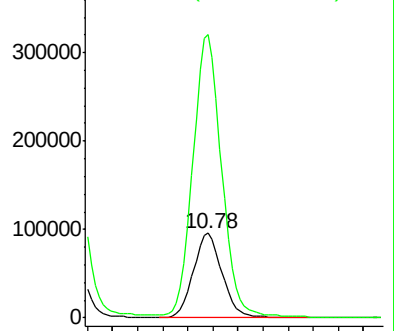
126 100

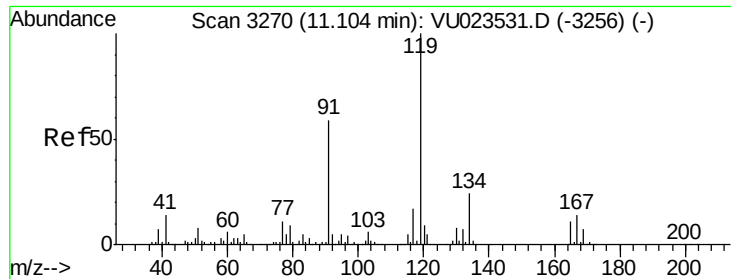
91 334.7 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

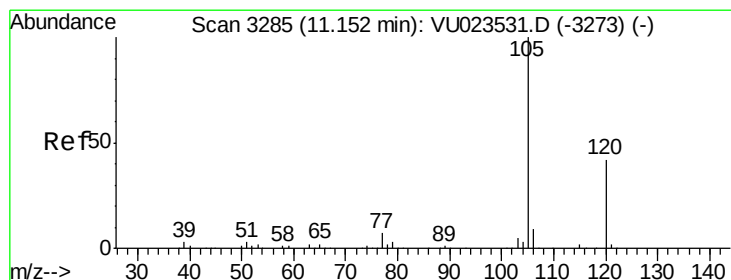
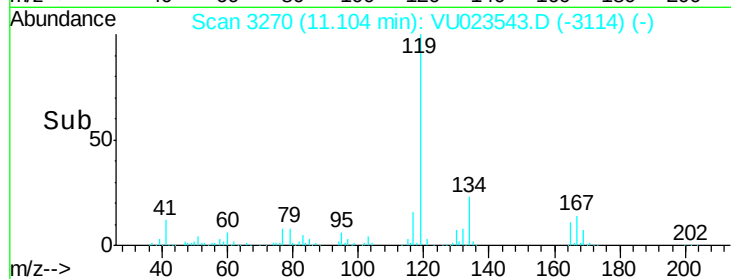
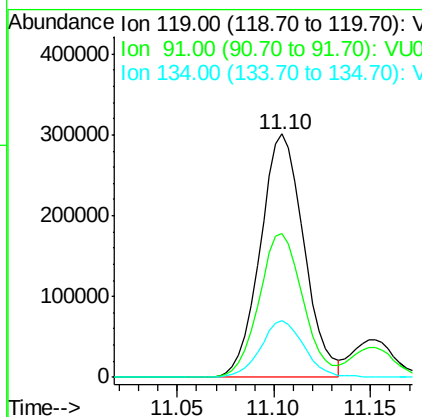
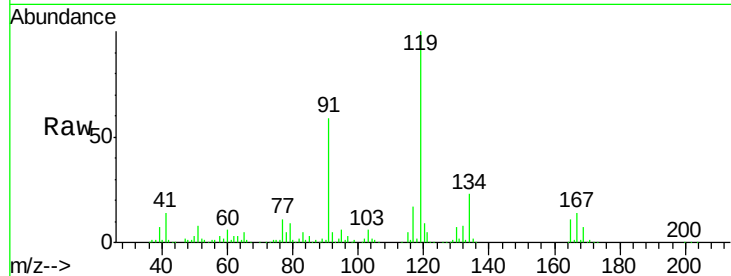




#77
 tert-Butylbenzene
 Concen: 10.70 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

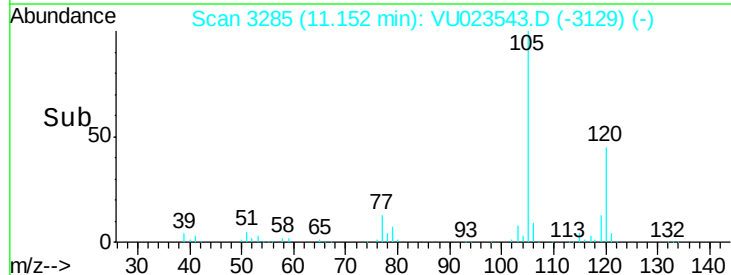
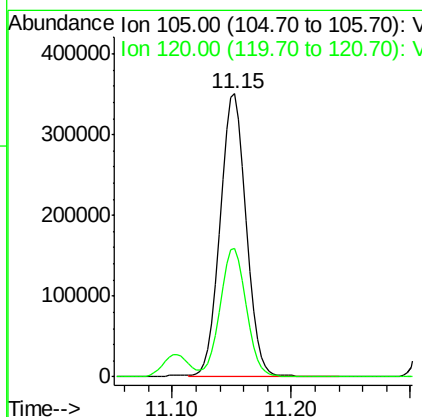
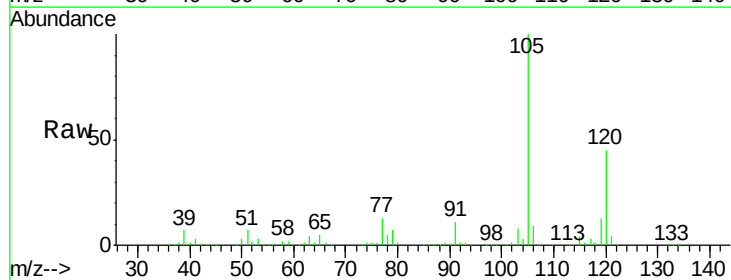
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

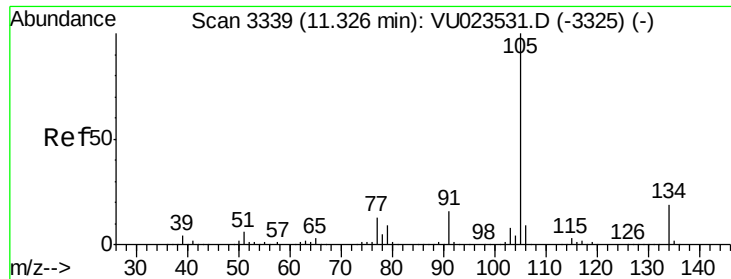
Tgt Ion	Ratio	Lower	Upper
119	100		
91	59.8	29.6	88.8
134	23.5	19.1	28.7



#78
 1,2,4-Trimethylbenzene
 Concen: 11.17 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.1	69.3





#79

sec-Butylbenzene

Concen: 10.82 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

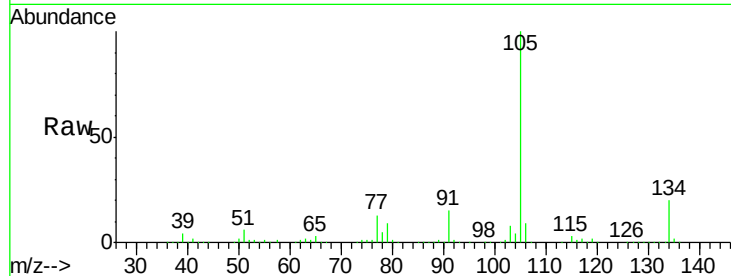
VSTDCCC010EC

Tgt Ion: 105 Resp: 667689

Ion Ratio Lower Upper

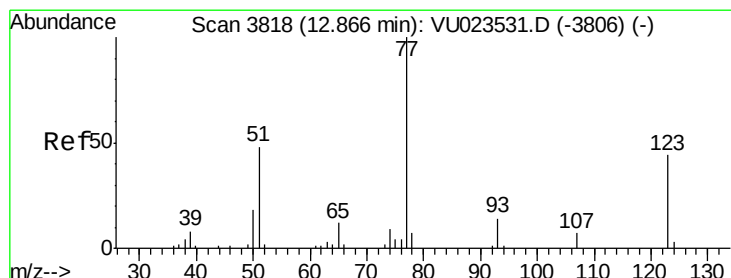
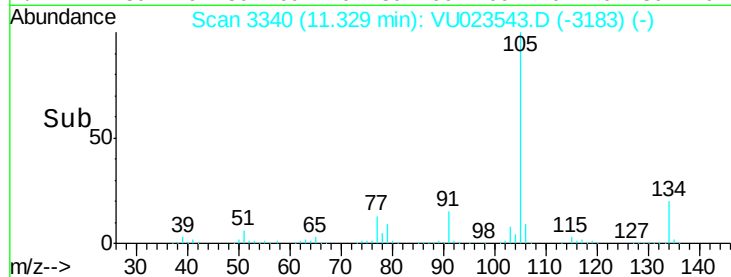
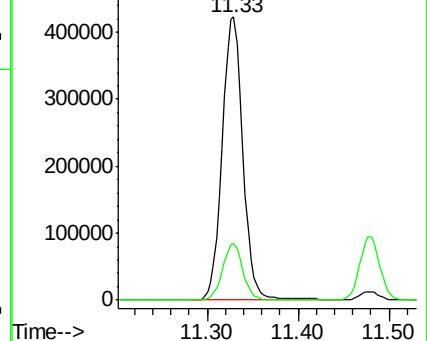
105 100

134 19.6 15.6 23.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 47.47 ug/l

RT: 12.87 min Scan# 3818

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

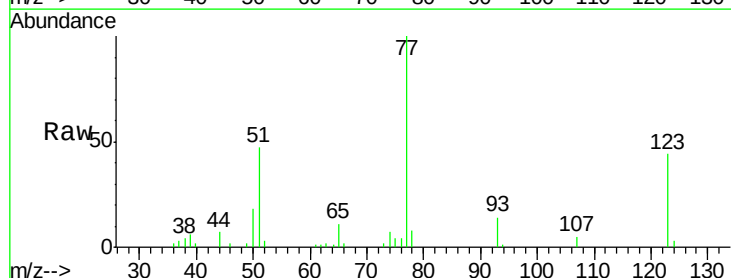
Tgt Ion: 77 Resp: 21055

Ion Ratio Lower Upper

77 100

123 45.4 19.4 68.6

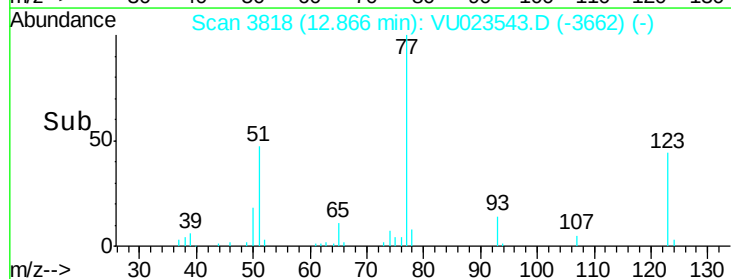
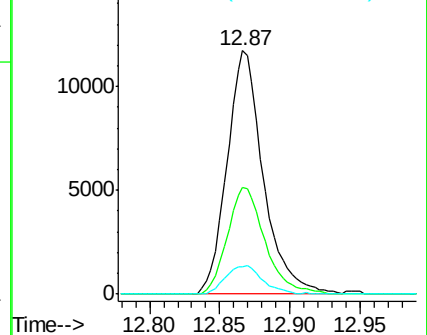
65 11.8 11.2 14.2

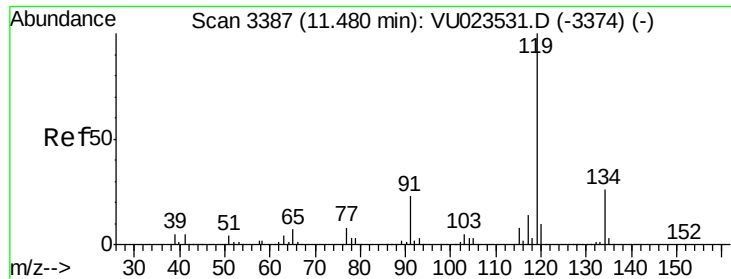


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

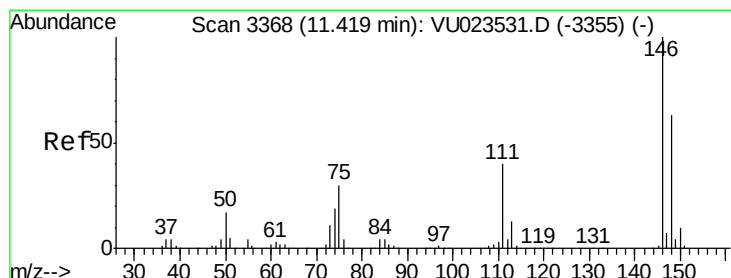
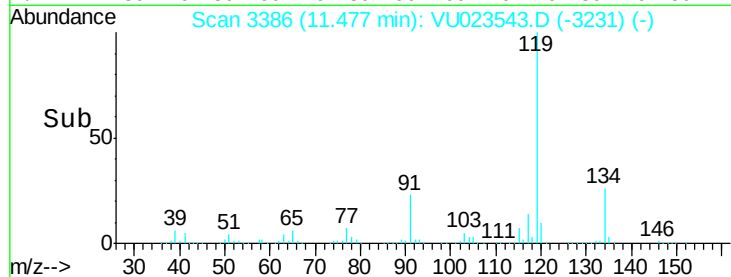
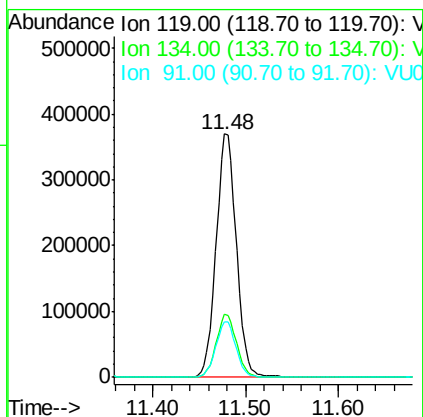
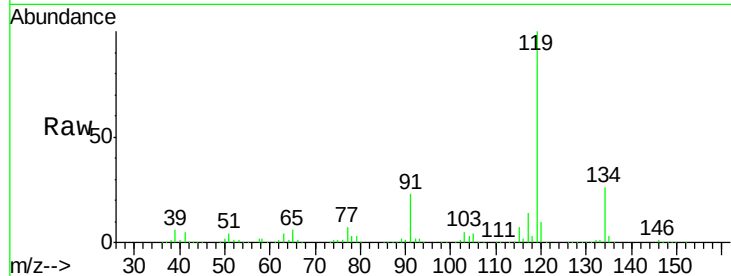




#81
 p-Isopropyltoluene
 Concen: 11.07 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

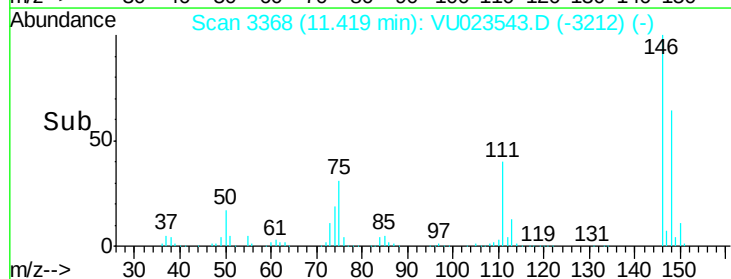
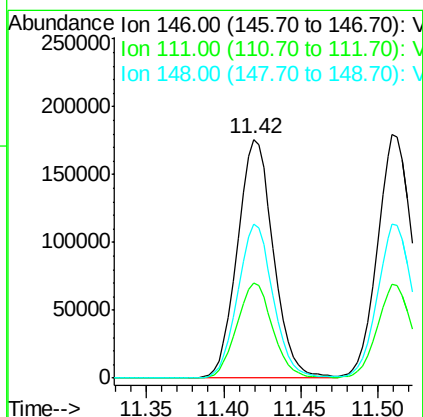
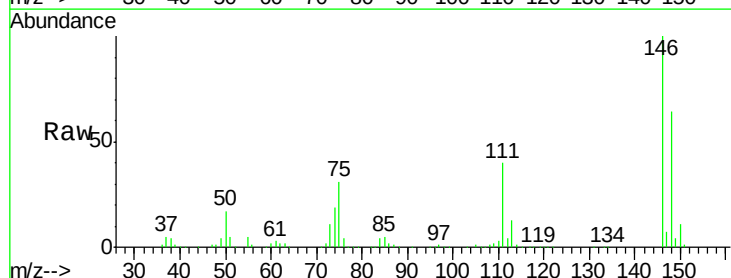
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

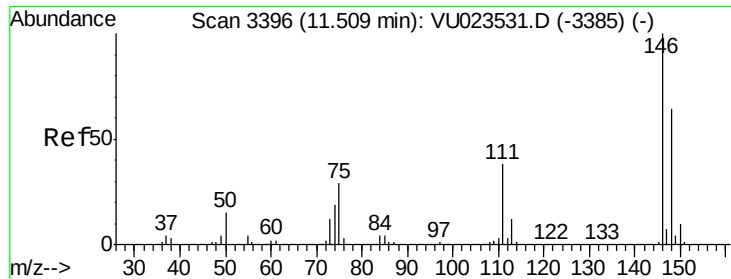
Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.9	31.3
91	22.5	18.2	27.2



#82
 1,3-Dichlorobenzene
 Concen: 10.27 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	31.8	47.6
148	63.4	51.0	76.4

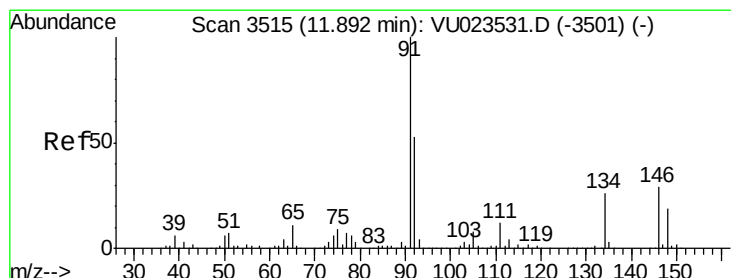
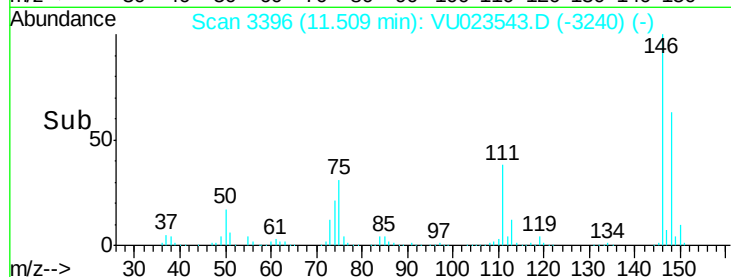
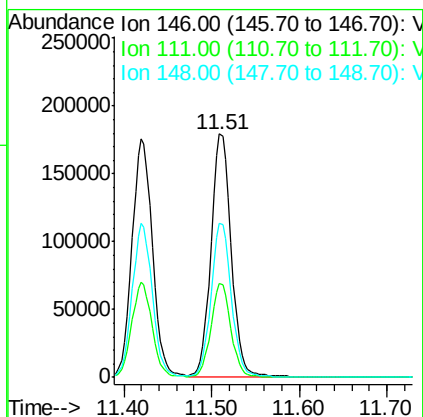
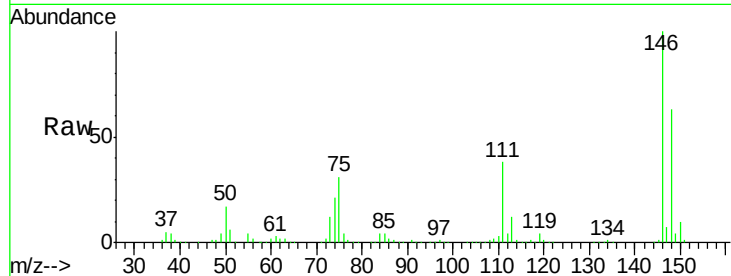




#83
 1,4-Dichlorobenzene
 Concen: 10.49 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

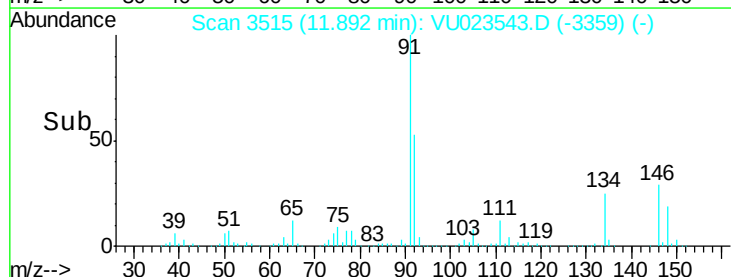
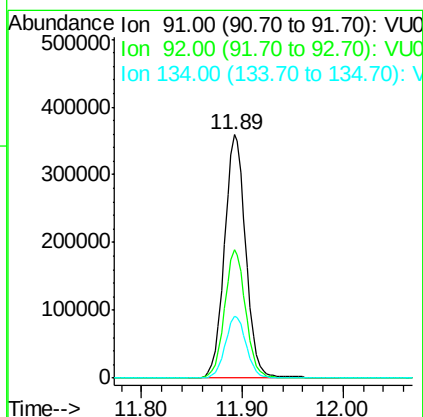
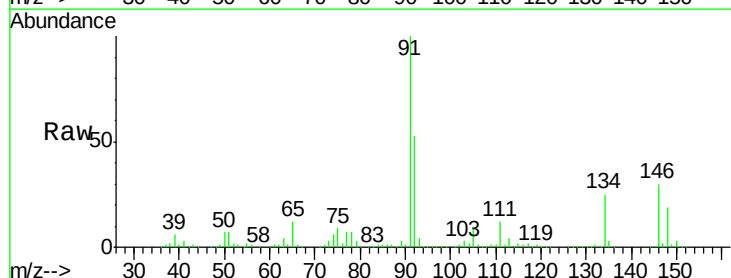
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

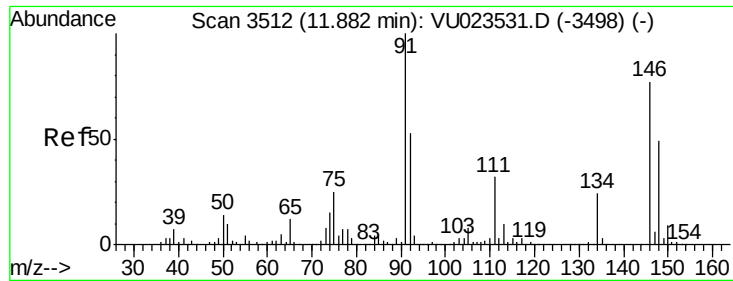
Tgt Ion: 146 Resp: 290503
 Ion Ratio Lower Upper
 146 100
 111 37.4 30.1 45.1
 148 63.0 50.6 76.0



#84
 n-Butylbenzene
 Concen: 10.73 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion: 91 Resp: 531301
 Ion Ratio Lower Upper
 91 100
 92 52.2 42.2 63.2
 134 25.2 20.3 30.5

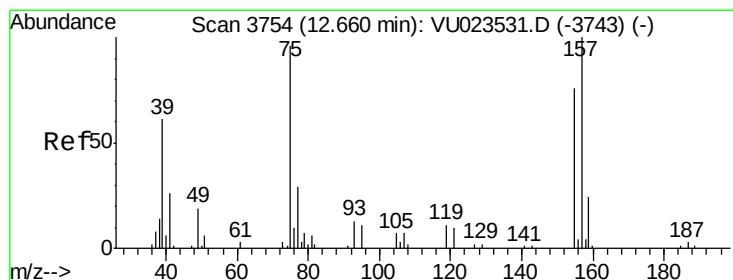
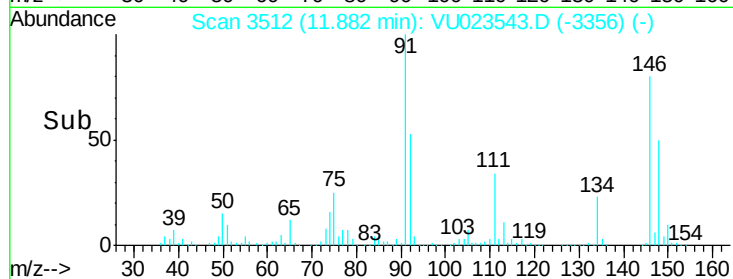
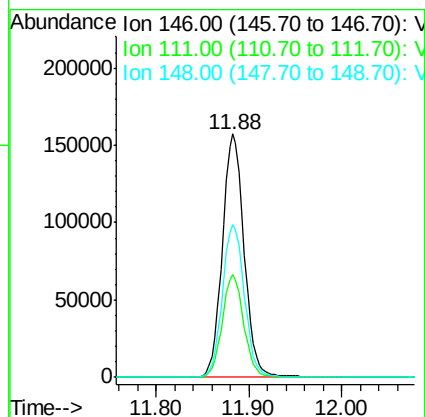
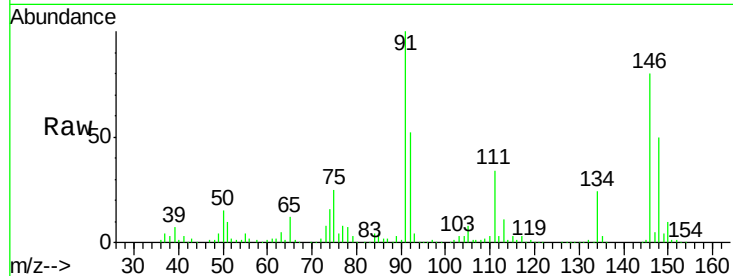




#85
 1,2-Dichlorobenzene
 Concen: 10.23 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

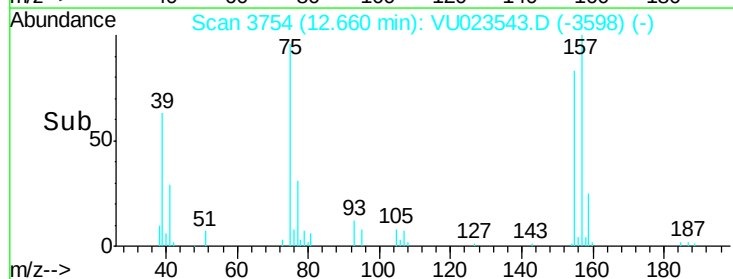
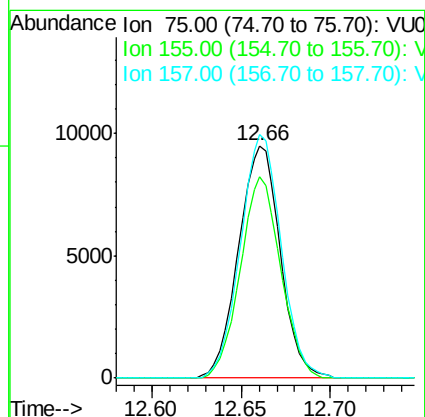
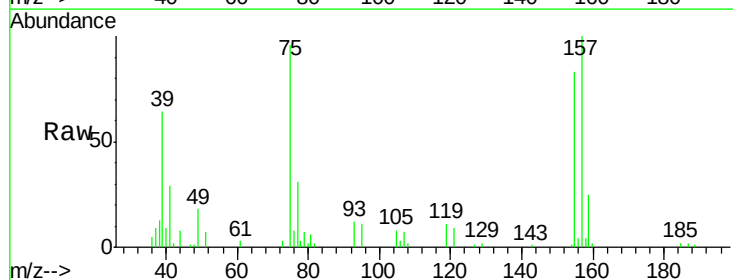
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

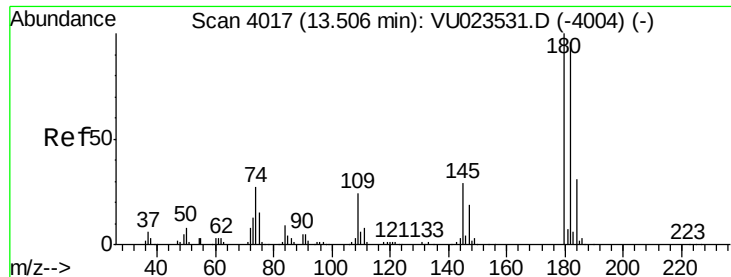
Tgt Ion: 146 Resp: 256112
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.7 62.1
 148 63.7 31.9 95.5



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.18 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion: 75 Resp: 15437
 Ion Ratio Lower Upper
 75 100
 155 83.8 65.8 98.6
 157 102.3 83.5 125.3

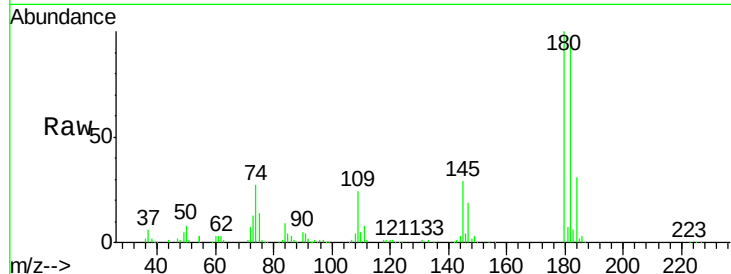




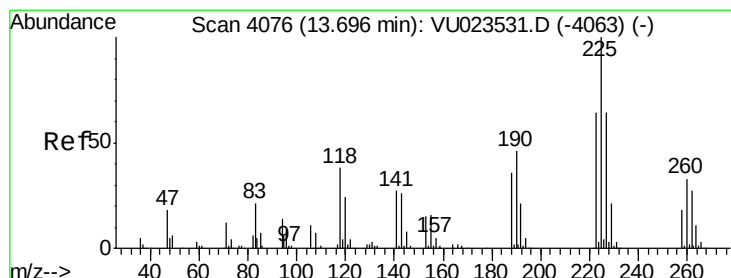
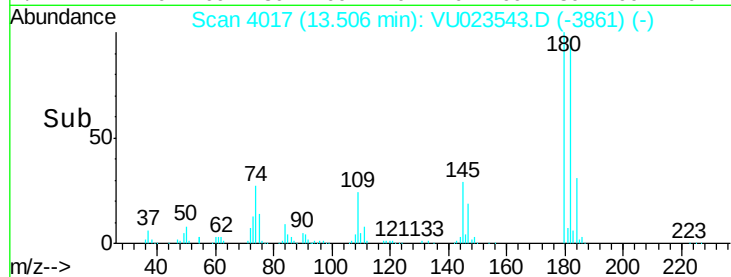
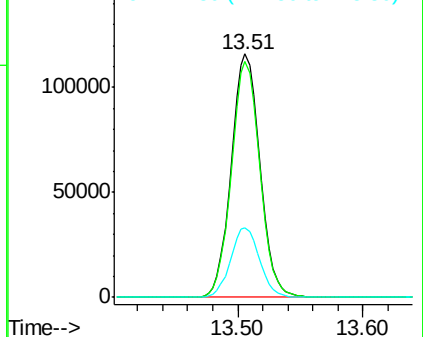
#87
 1,2,4-Trichlorobenzene
 Concen: 10.17 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 184284
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.1 115.7
 145 28.8 23.3 34.9

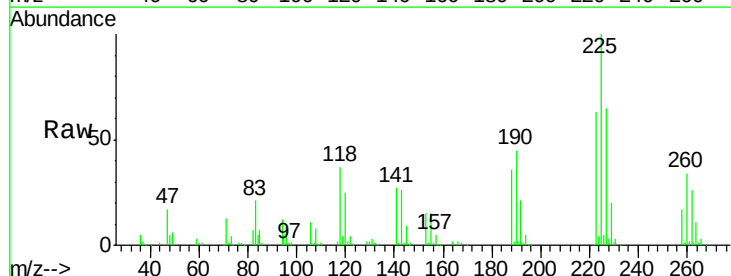


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

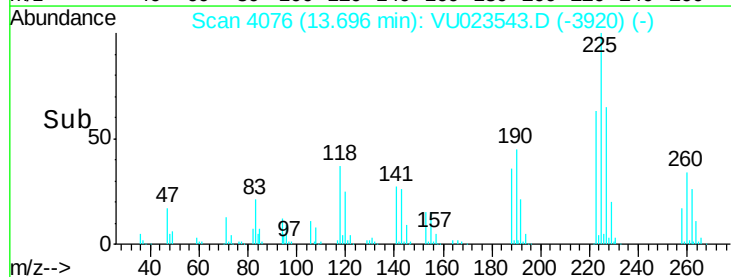
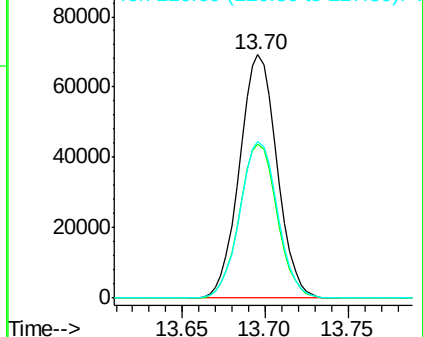


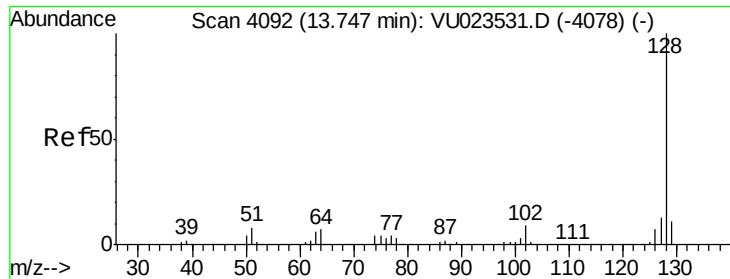
#88
 Hexachlorobutadiene
 Concen: 9.90 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion:225 Resp: 108760
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.6 75.8
 227 64.8 51.8 77.6



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





#89

Naphthalene

Concen: 11.04 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

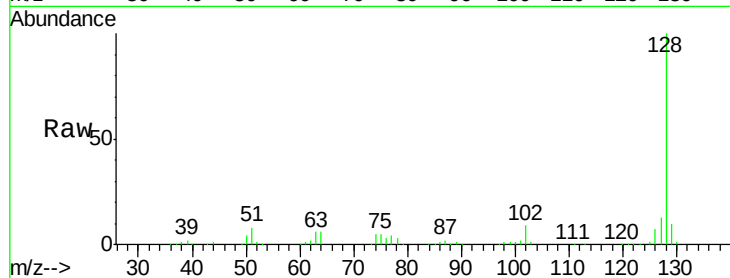
Tgt Ion:128 Resp: 301054

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

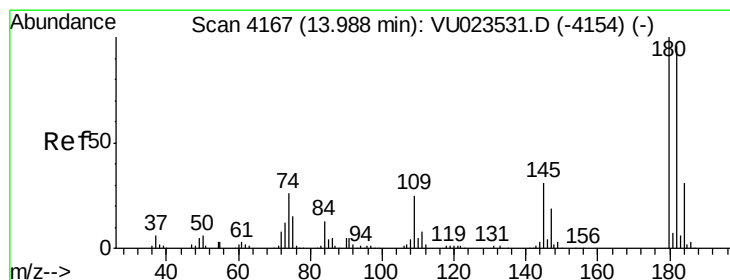
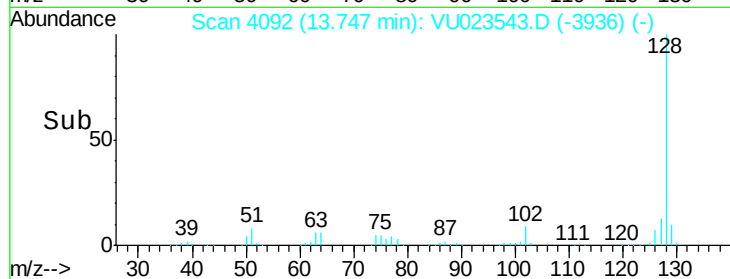
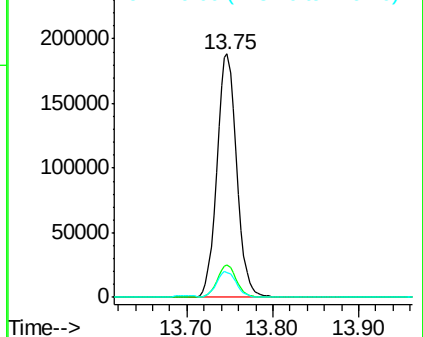
129 10.8 8.7 13.1



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: 10.27 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

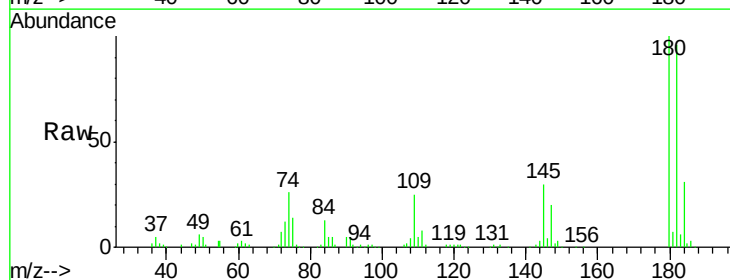
Tgt Ion:180 Resp: 174645

Ion Ratio Lower Upper

180 100

182 95.6 76.8 115.2

145 30.3 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

