

Data File : VU023541.D

Acq On : 30 Apr 2018 21:56

Operator : MD/SY

Sample : VU0430WBS01

Misc : 25.0mL/MSVOA_U/WATER

ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

Quant Time: May 01 05:12:03 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	47125	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	15818	1.03	ug/l	0.00
Spiked Amount	1.000		Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	15603	1.04	ug/l	0.00
Spiked Amount	1.000		Recovery	=	104.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	31573	2.06	ug/l	98
3) Chloromethane	1.33	50	36346	2.05	ug/l	99
4) Vinyl Chloride	1.40	62	34794	2.05	ug/l	91
5) Bromomethane	1.63	94	23502	2.58	ug/l	97
6) Chloroethane	1.70	64	19355	2.04	ug/l	97
7) Trichlorofluoromethane	1.89	101	39845	2.04	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	24102	2.01	ug/l	97
9) 1,1-Dichloroethene	2.29	96	21980	1.97	ug/l	95
10) Iodomethane	2.42	142	17059	1.29	ug/l	100
11) Allyl Chloride	2.60	41	39636	1.94	ug/l	98
12) Acrylonitrile	2.95	53	8970	3.90	ug/l	90
13) Acetone	2.35	43	18141	9.30	ug/l	98
14) Carbon Disulfide	2.48	76	71676	1.96	ug/l	99
15) Methylene Chloride	2.71	84	24428	1.93	ug/l	97
16) trans-1,2-Dichloroethene	2.99	96	23299	1.95	ug/l	98
17) 1,1-Dichloroethane	3.45	63	46744	1.99	ug/l	99
18) 2-Butanone	4.31	43	31440	9.98	ug/l	98
19) Cyclohexane	4.99	56	39645	1.95	ug/l	97
20) Methylcyclohexane	6.41	83	35971	1.74	ug/l	97
21) 2,2-Dichloropropane	4.23	77	34825	1.87	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	26016	2.02	ug/l	98
23) Diethyl Ether	2.11	59	18188	2.00	ug/l	99
24) tert-Butyl Alcohol	2.90	59	14462	21.82	ug/l #	97
25) Methyl tert-Butyl Ether	3.01	73	55354	1.98	ug/l	98
26) Bromochloromethane	4.55	128	10937	2.14	ug/l	94
27) Chloroform	4.68	83	44100	1.99	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	35947	1.98	ug/l	98
29) 1,1-Dichloropropene	5.13	75	36025	2.02	ug/l	99
30) Carbon Tetrachloride	5.13	117	29845	1.95	ug/l	96
31) Isopropyl Ether	3.58	45	76014	1.92	ug/l	99
32) Ethyl-t-butyl ether	4.09	59	64795	1.91	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	52564	1.83	ug/l	99
34) Propionitrile	4.37	54	9601	10.70	ug/l #	94
35) Benzene	5.39	78	106215	2.01	ug/l	99
36) 1,2-Dichloroethane	5.41	62	30790	2.06	ug/l	100
37) Trichloroethene	6.19	130	27099	1.91	ug/l	98
38) 1,2-Dichloropropane	6.44	63	28101	1.94	ug/l	97
39) Methacrylonitrile	4.56	41	9172	2.00	ug/l	95
40) Methyl acrylate	4.44	55	12764	2.01	ug/l #	98
41) Tetrahydrofuran	4.68	42	9513	4.02	ug/l	96
42) 1-Chlorobutane	5.07	56	50163	1.94	ug/l	100

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

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Response via : Initial Calibration

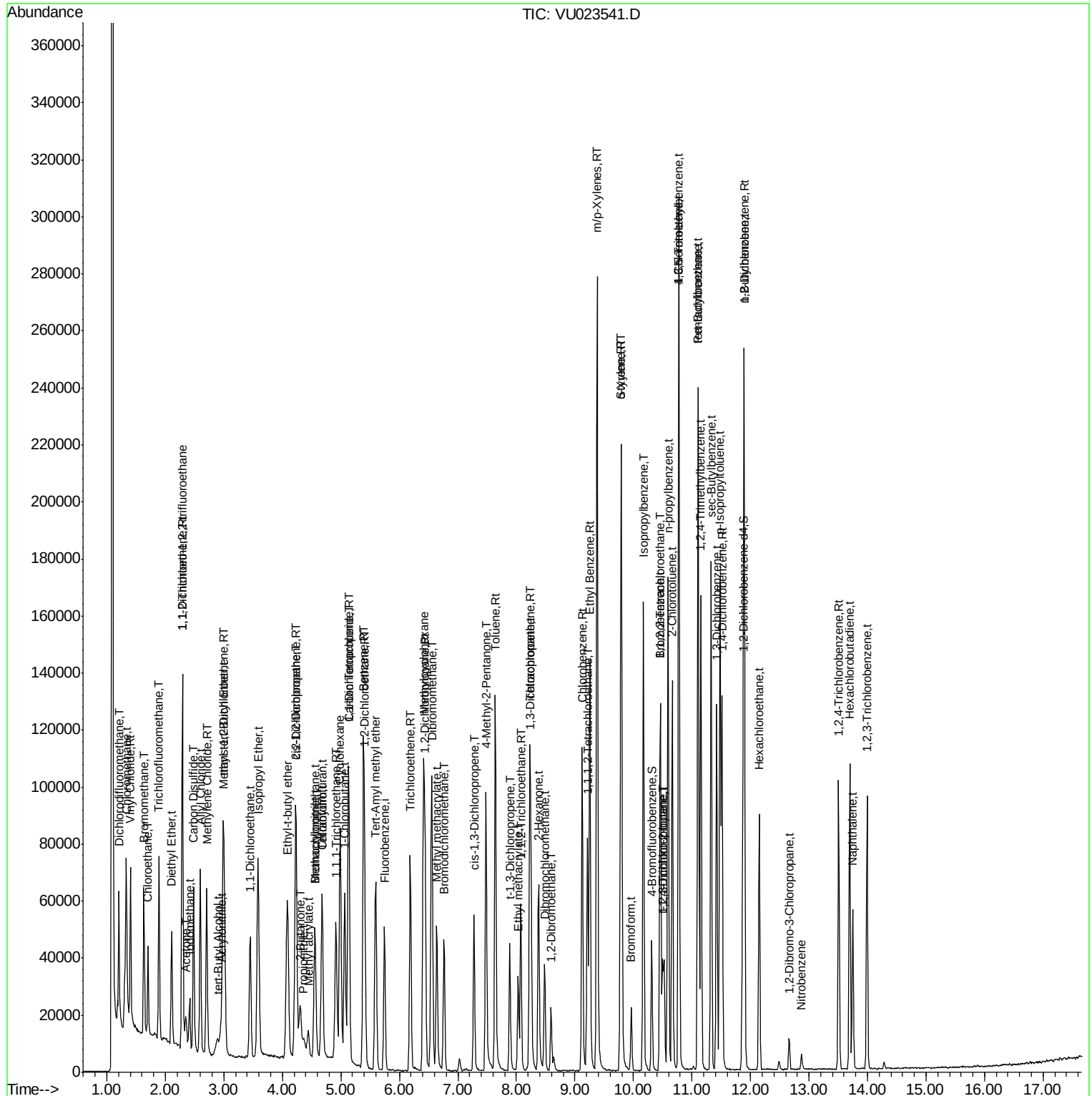
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	12634	2.02	ug/l	99
44) Bromodichloromethane	6.76	83	30125	1.92	ug/l	98
45) 4-Methyl-2-Pentanone	7.48	43	73133	9.91	ug/l	96
46) t-1,4-Dichloro-2-butene	10.50	75	24535	11.24	ug/l #	38
47) Methyl methacrylate	6.64	69	21921	3.87	ug/l	97
48) Ethyl methacrylate	8.03	69	17747	1.79	ug/l	94
49) Toluene	7.64	92	57666	1.89	ug/l	95
50) t-1,3-Dichloropropene	7.89	75	25159	1.88	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	32049	1.84	ug/l	99
52) 1,1,2-Trichloroethane	8.08	97	18100	2.04	ug/l	98
53) 1,3-Dichloropropane	8.25	76	31771	2.01	ug/l	99
54) 2-Hexanone	8.38	43	46884	9.32	ug/l	96
55) Dibromochloromethane	8.48	129	19089	1.96	ug/l	98
56) 1,2-Dibromoethane	8.59	107	15435	2.02	ug/l	99
58) Tetrachloroethene	8.23	164	25808	1.99	ug/l	99
59) Chlorobenzene	9.12	112	65042	1.99	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	20887	1.88	ug/l	97
61) Pentachloroethane	11.10	117	17004	2.15	ug/l	92
62) Hexachloroethane	12.15	117	15608	2.06	ug/l	95
63) Ethyl Benzene	9.25	91	101104	1.86	ug/l	99
64) m/p-Xylenes	9.38	106	79511	3.79	ug/l	100
65) o-Xylene	9.78	106	39560	1.96	ug/l	99
66) Styrene	9.80	104	64550	1.94	ug/l	99
67) Bromoform	9.96	173	9915	1.95	ug/l	97
69) Isopropylbenzene	10.17	105	100636	1.93	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	21736	2.17	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	24535	3.42	ug/l #	77
72) Bromobenzene	10.46	156	26552	2.05	ug/l	97
73) n-propylbenzene	10.59	120	28362	1.97	ug/l	99
74) 2-Chlorotoluene	10.66	126	25454	2.00	ug/l	98
75) 1,3,5-Trimethylbenzene	10.78	105	87267	1.99	ug/l	99
76) 4-Chlorotoluene	10.78	126	26774	2.03	ug/l	99
77) tert-Butylbenzene	11.10	119	81452	1.98	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	88813	2.01	ug/l	99
79) sec-Butylbenzene	11.33	105	115913	2.01	ug/l	99
80) Nitrobenzene	12.87	77	3545	10.53	ug/l #	97
81) p-Isopropyltoluene	11.48	119	93284	1.97	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	53541	2.07	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	53950	2.09	ug/l	98
84) n-Butylbenzene	11.89	91	89847	1.95	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	47367	2.03	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2973	2.10	ug/l	95
87) 1,2,4-Trichlorobenzene	13.51	180	32748	1.94	ug/l	99
88) Hexachlorobutadiene	13.70	225	21318	2.08	ug/l	97
89) Naphthalene	13.75	128	45558	1.79	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	31203	1.97	ug/l	96

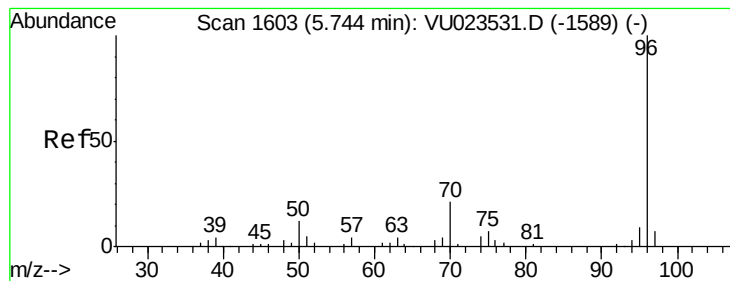
(#)=qualifier out of range (m)=manual integration (+)=signals summed

ALS Vial : 16 Sample Multiplier: 1

VU0430WBS01

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: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tgt Ion: 96 Resp: 47125

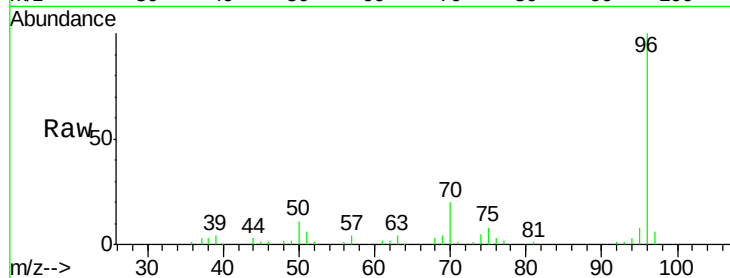
Ion Ratio Lower Upper

96 100

70 20.5 16.2 24.4

95 8.5 6.9 10.3

97 6.3 0.0 0.0#

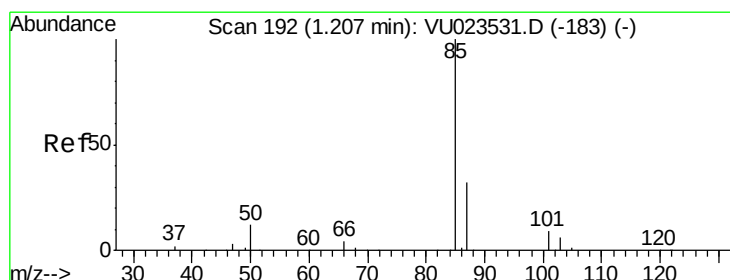
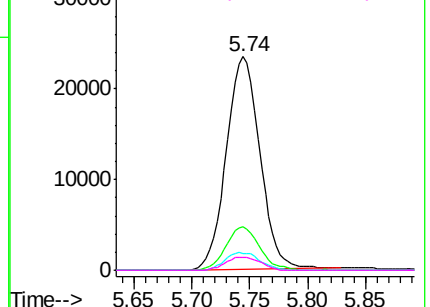
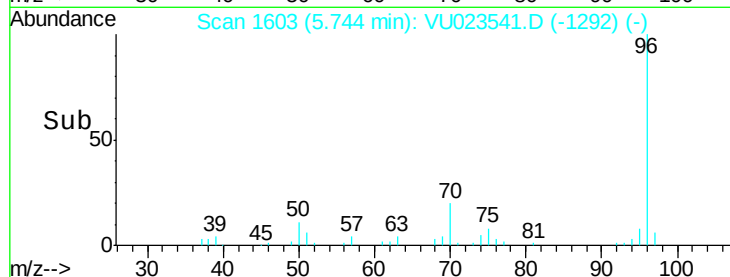


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 2.06 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU023541.D

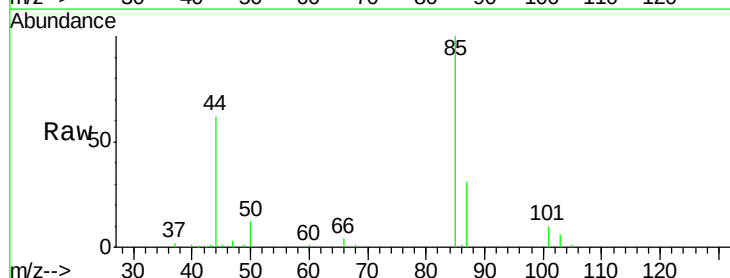
Acq: 30 Apr 2018 21:56

Tgt Ion: 85 Resp: 31573

Ion Ratio Lower Upper

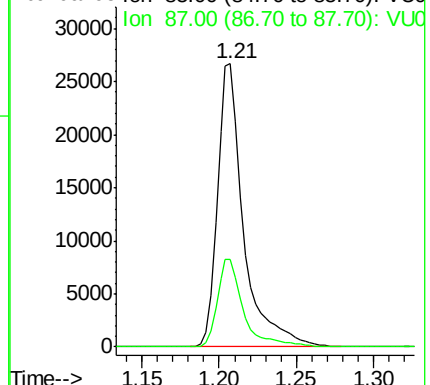
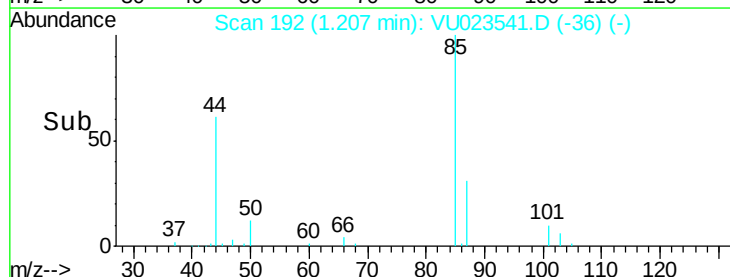
85 100

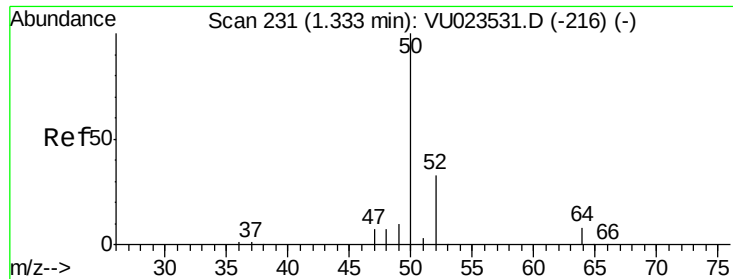
87 30.9 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 2.05 ug/l

RT: 1.33 min Scan# 231

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

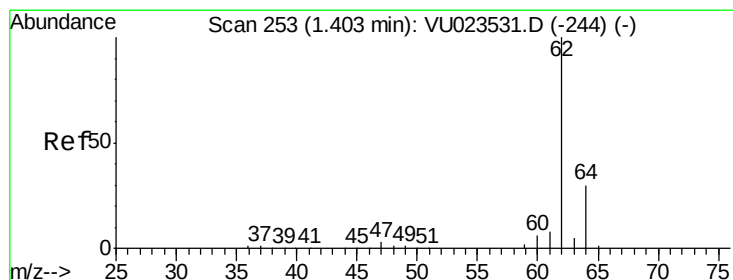
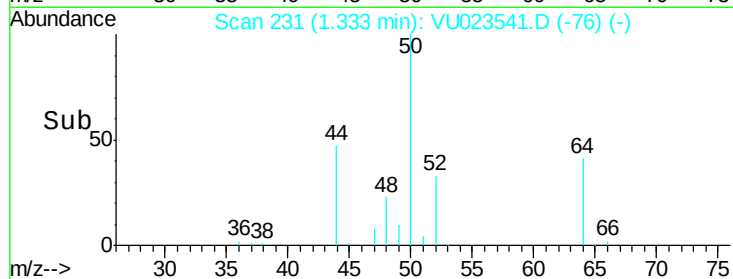
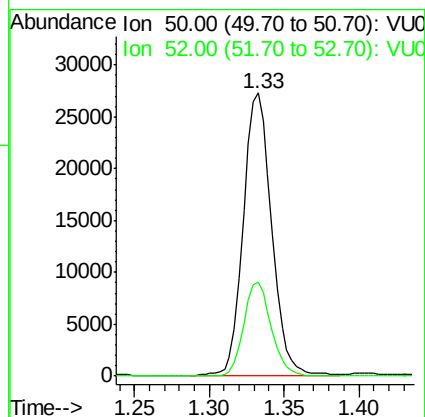
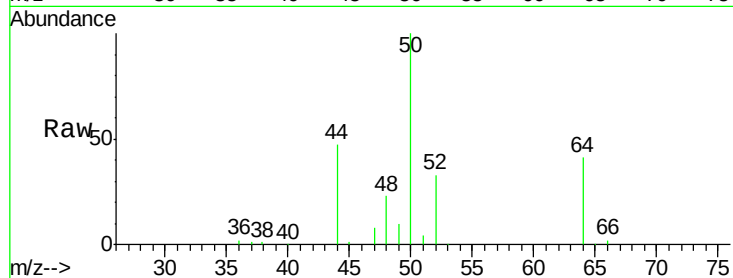
VU0430WBS01

Tgt Ion: 50 Resp: 36346

Ion Ratio Lower Upper

50 100

52 33.2 26.0 39.0



#4

Vinyl Chloride

Concen: 2.05 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023541.D

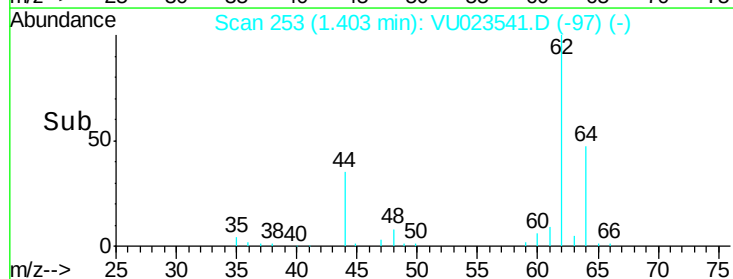
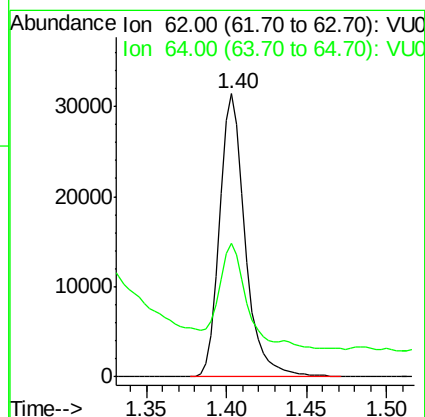
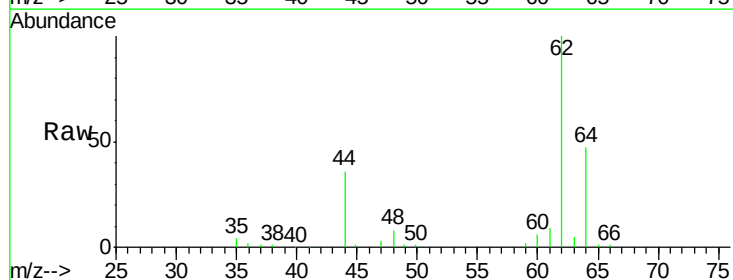
Acq: 30 Apr 2018 21:56

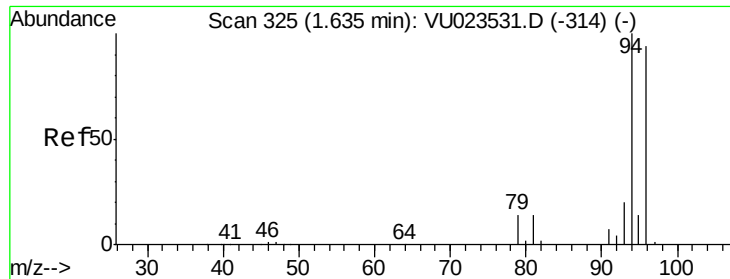
Tgt Ion: 62 Resp: 34794

Ion Ratio Lower Upper

62 100

64 37.2 25.8 38.8

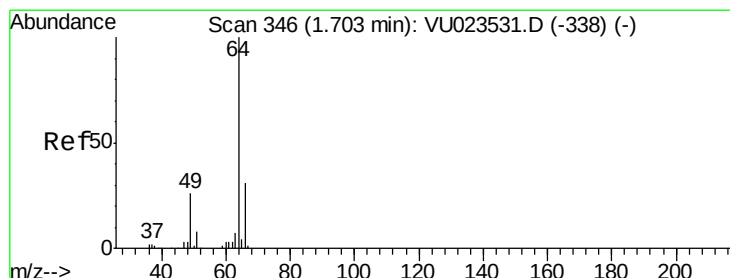
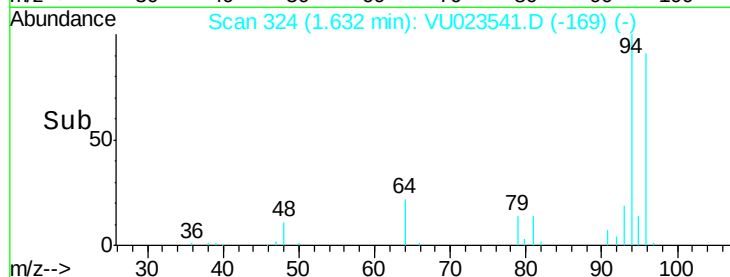
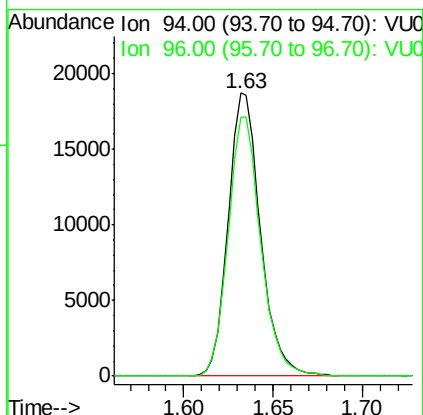
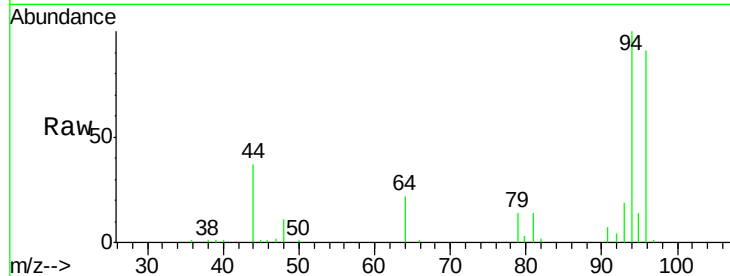




#5
Bromomethane
Concen: 2.58 ug/l
RT: 1.63 min Scan# 324
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

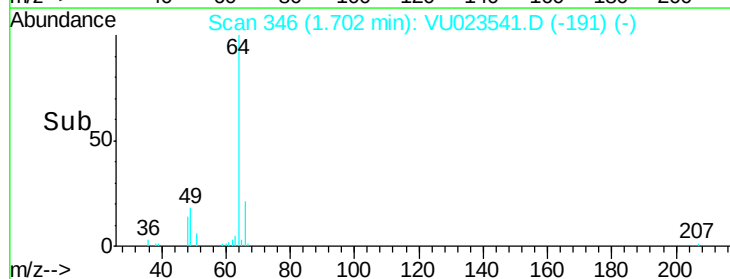
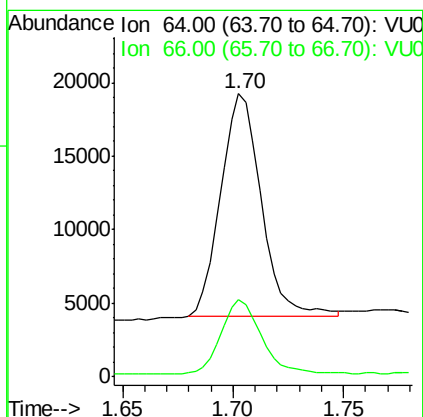
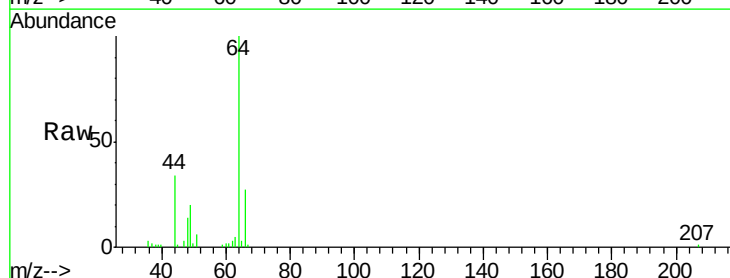
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

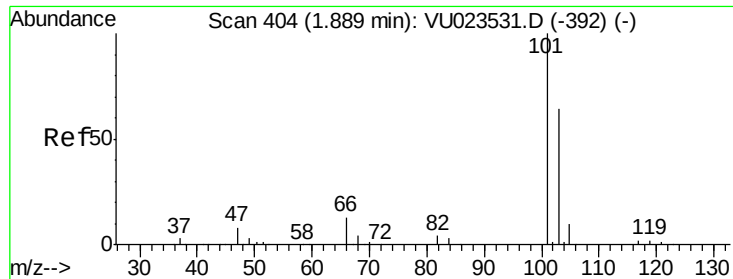
Tgt Ion: 94 Resp: 23502
Ion Ratio Lower Upper
94 100
96 91.3 75.1 112.7



#6
Chloroethane
Concen: 2.04 ug/l
RT: 1.70 min Scan# 346
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion: 64 Resp: 19355
Ion Ratio Lower Upper
64 100
66 32.8 24.9 37.3





#7

Trichlorofluoromethane

Concen: 2.04 ug/l

RT: 1.89 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

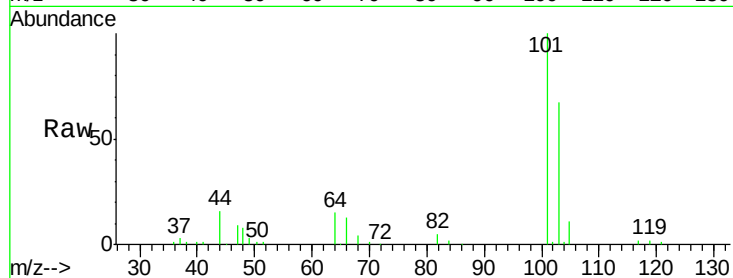
VU0430WBS01

Tgt Ion:101 Resp: 39845

Ion Ratio Lower Upper

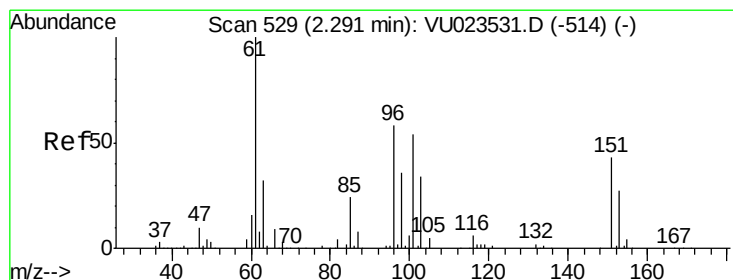
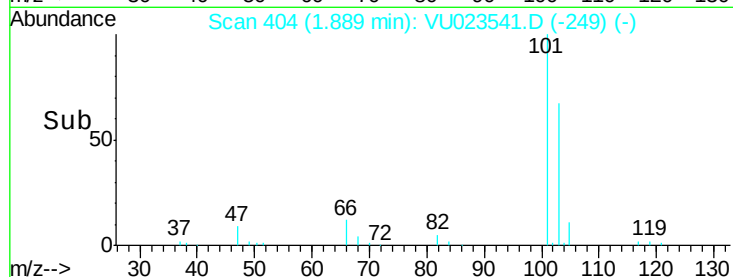
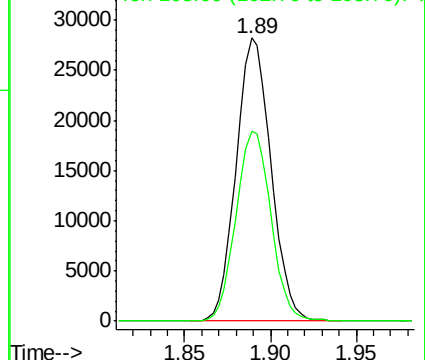
101 100

103 66.9 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: 2.01 ug/l

RT: 2.29 min Scan# 529

Delta R.T. -0.00 min

Lab File: VU023541.D

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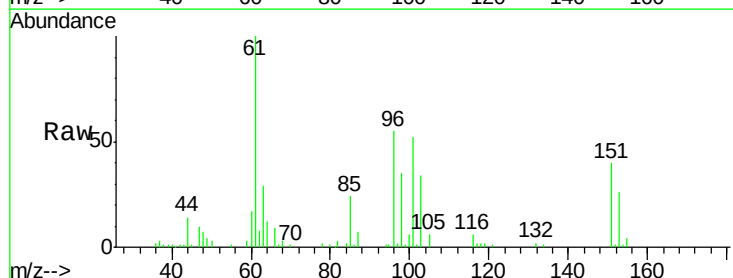
Tgt Ion:101 Resp: 24102

Ion Ratio Lower Upper

101 100

85 42.5 35.2 52.8

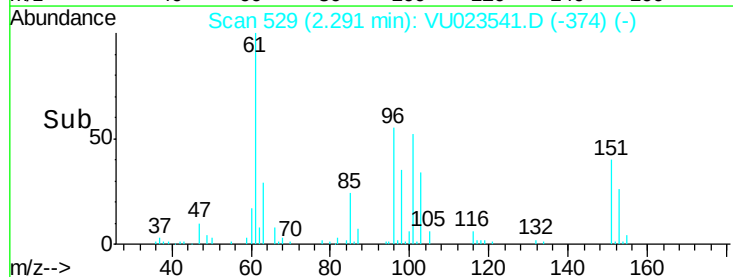
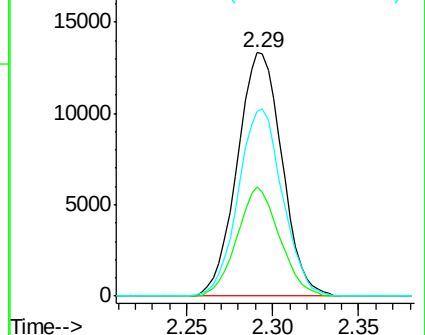
151 76.2 63.5 95.3

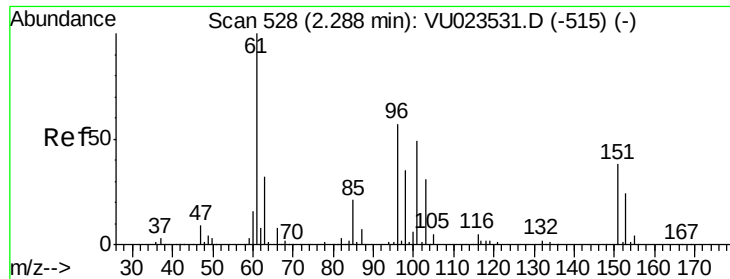


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 1.97 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

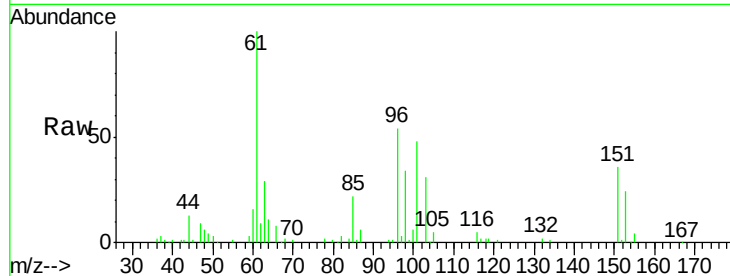
Tgt Ion: 96 Resp: 21980

Ion Ratio Lower Upper

96 100

61 183.6 0.0 526.5

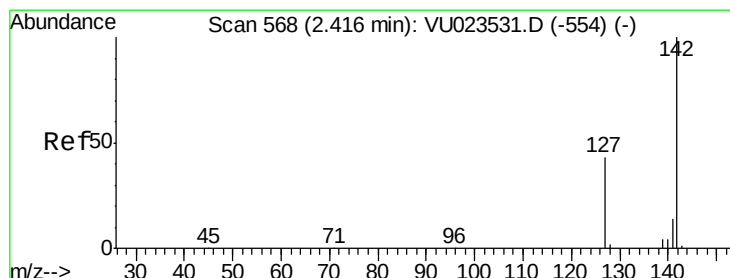
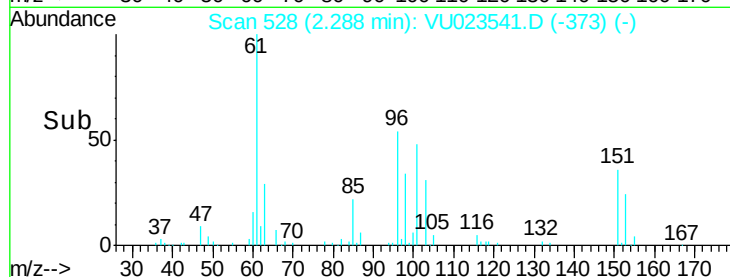
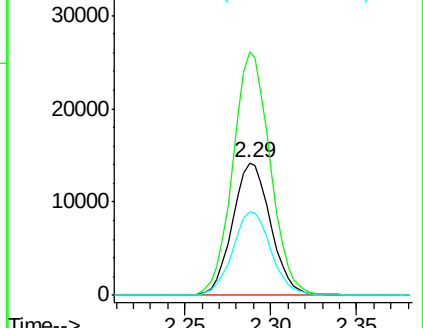
98 63.0 0.0 123.4



Abundance Ion 96.00 (95.70 to 96.70): VU023541.D (-515) (-)

Ion 61.00 (60.70 to 61.70): VU023541.D (-515) (-)

Ion 98.00 (97.70 to 98.70): VU023541.D (-515) (-)



#10

Iodomethane

Concen: 1.29 ug/l

RT: 2.42 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU023541.D

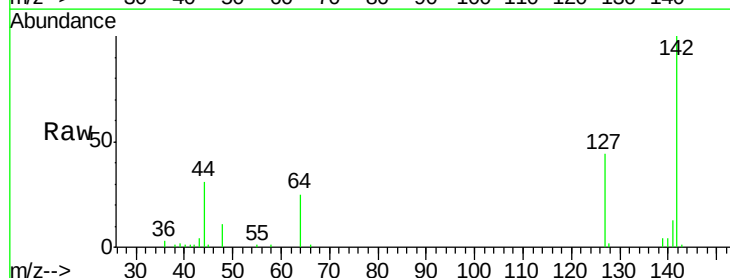
Acq: 30 Apr 2018 21:56

Tgt Ion: 142 Resp: 17059

Ion Ratio Lower Upper

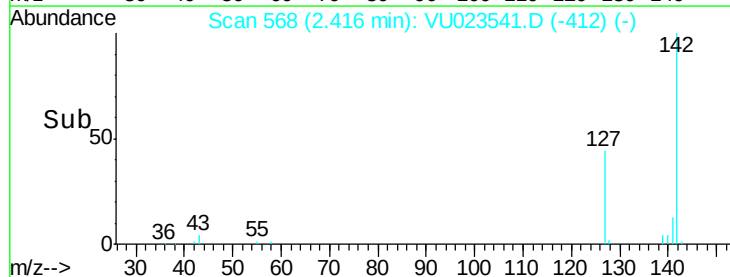
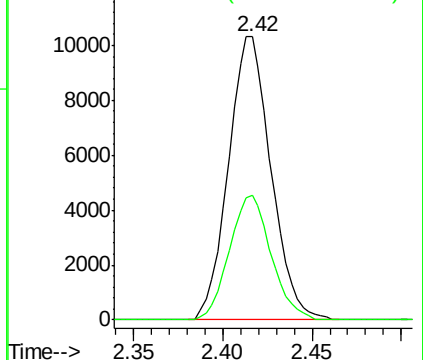
142 100

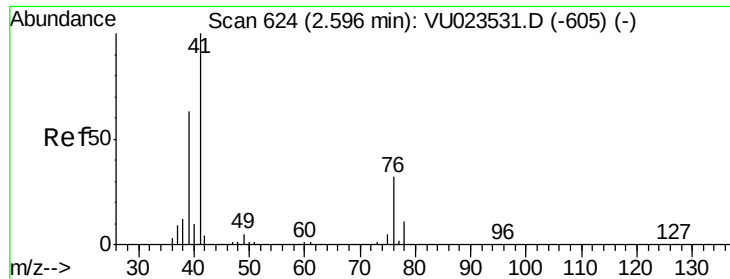
127 43.0 34.5 51.7



Abundance Ion 142.00 (141.70 to 142.70): VU023541.D (-554) (-)

Ion 127.00 (126.70 to 127.70): VU023541.D (-554) (-)

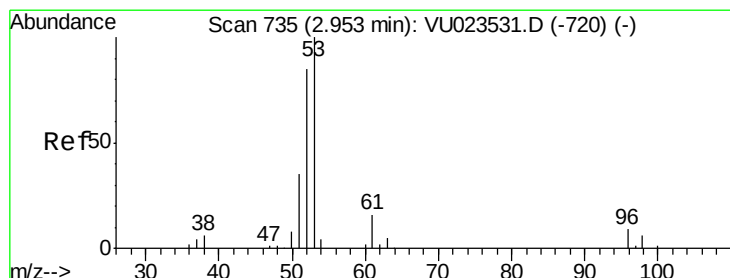
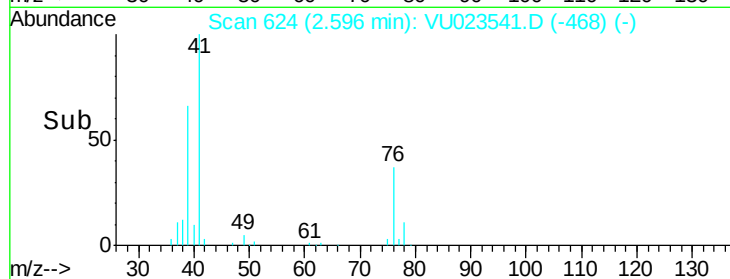
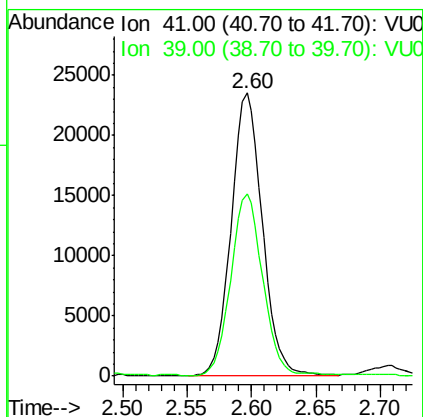
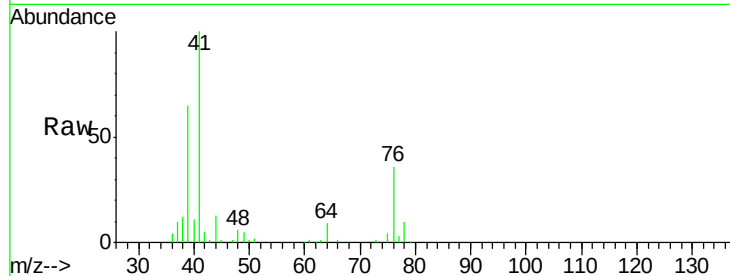




#11
 Allyl Chloride
 Concen: 1.94 ug/l
 RT: 2.60 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

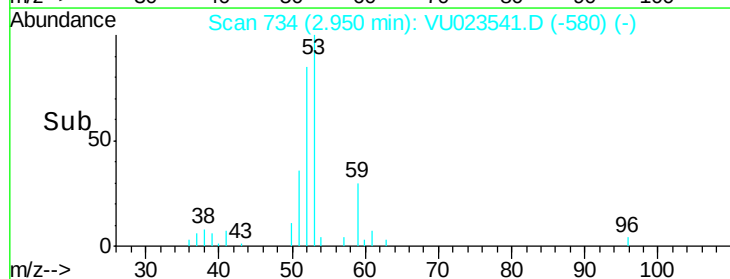
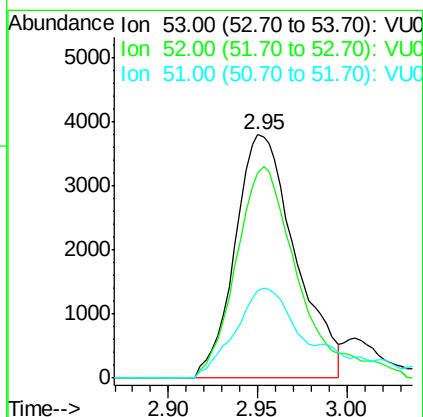
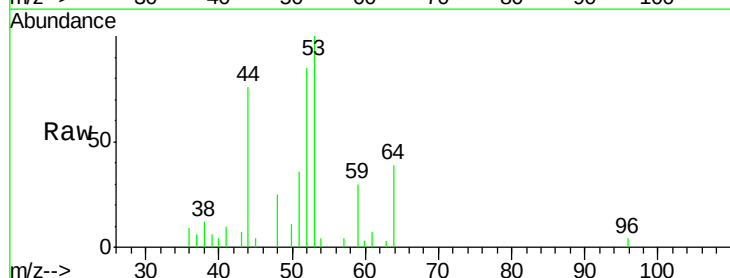
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

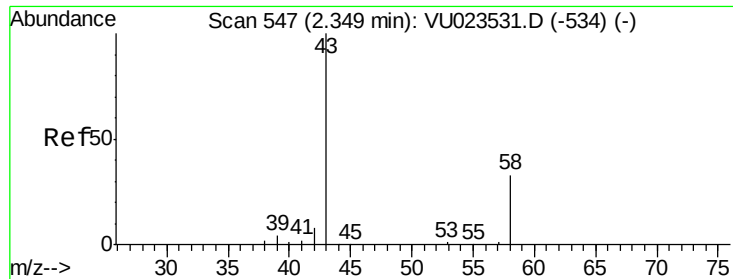
Tgt Ion: 41 Resp: 39636
 Ion Ratio Lower Upper
 41 100
 39 66.2 51.4 77.2



#12
 Acrylonitrile
 Concen: 3.90 ug/l
 RT: 2.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion: 53 Resp: 8970
 Ion Ratio Lower Upper
 53 100
 52 90.2 65.1 97.7
 51 44.5 30.2 45.4





#13

Acetone

Concen: 9.30 ug/l

RT: 2.35 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

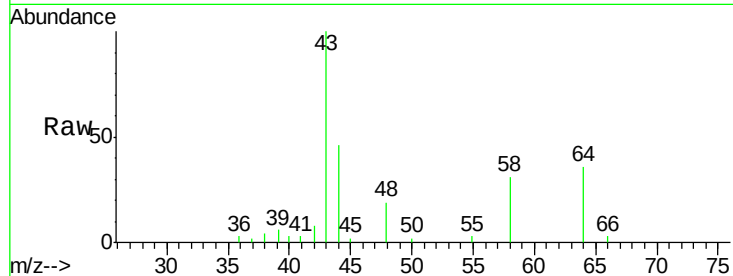
VU0430WBS01

Tgt Ion: 43 Resp: 18141

Ion Ratio Lower Upper

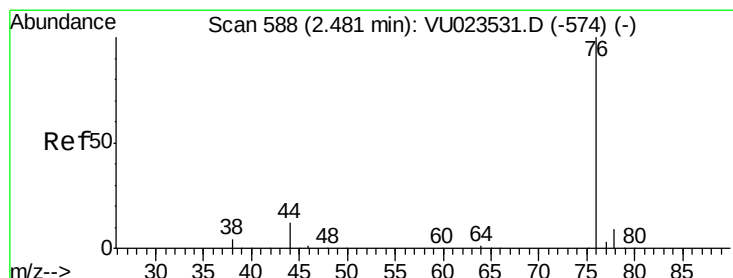
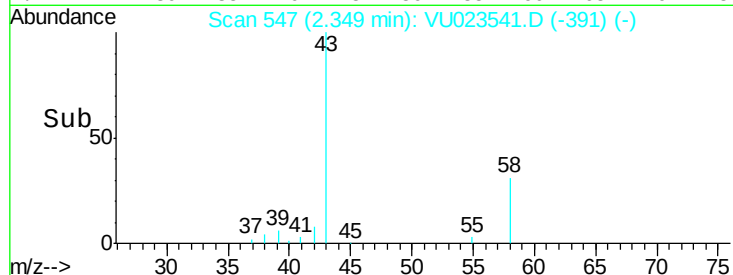
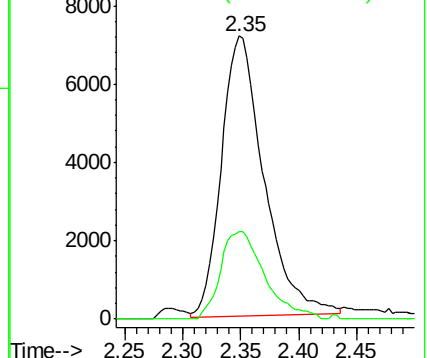
43 100

58 31.4 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 1.96 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU023541.D

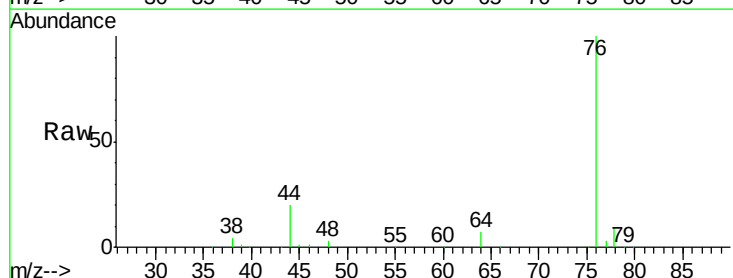
Acq: 30 Apr 2018 21:56

Tgt Ion: 76 Resp: 71676

Ion Ratio Lower Upper

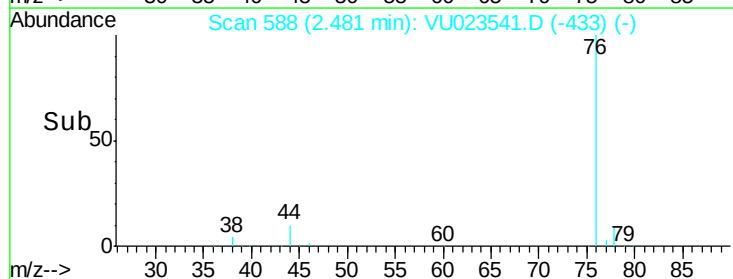
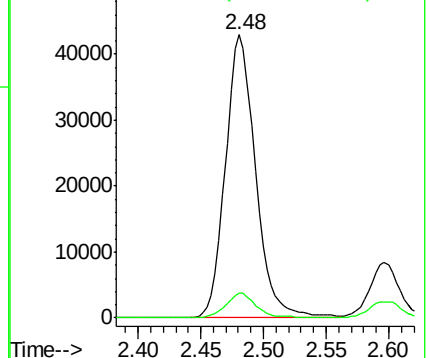
76 100

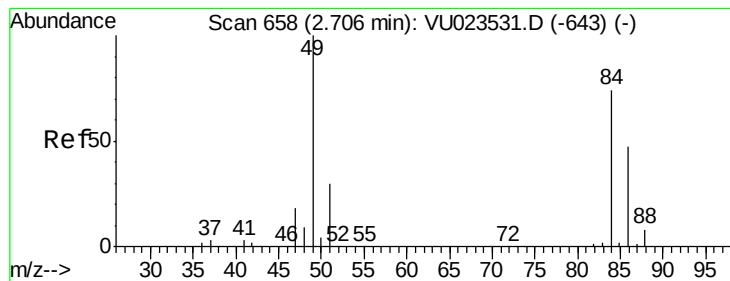
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methylene Chloride

Concen: 1.93 ug/l

RT: 2.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tgt Ion: 84 Resp: 24428

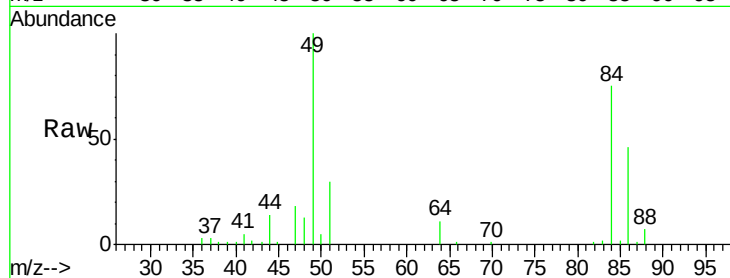
Ion Ratio Lower Upper

84 100

49 133.2 108.7 163.1

51 40.0 0.0 82.4

86 60.8 50.7 76.1



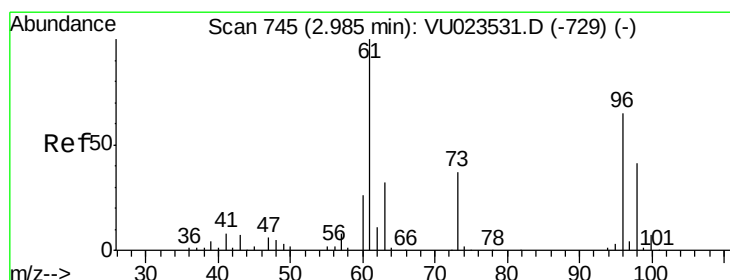
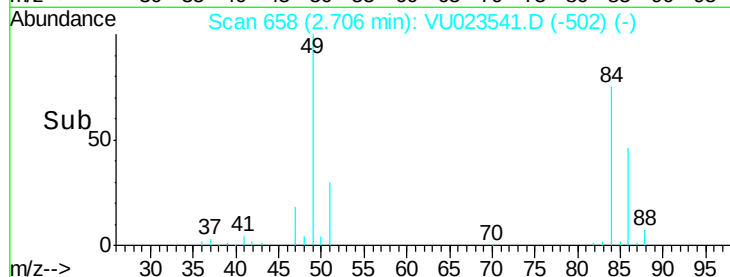
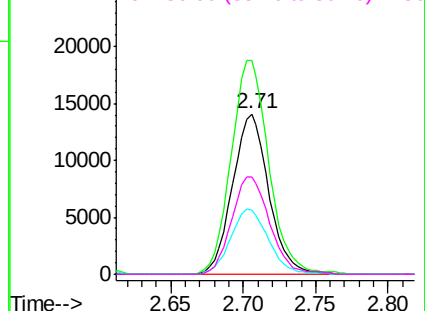
Abundance

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: 1.95 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

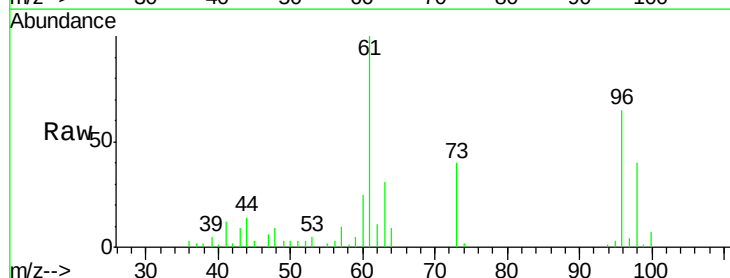
Tgt Ion: 96 Resp: 23299

Ion Ratio Lower Upper

96 100

61 153.1 123.9 185.9

98 61.0 50.6 76.0

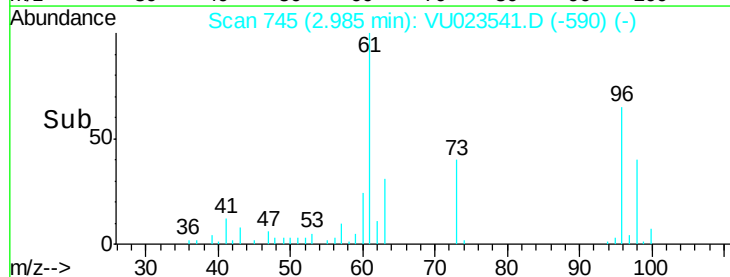
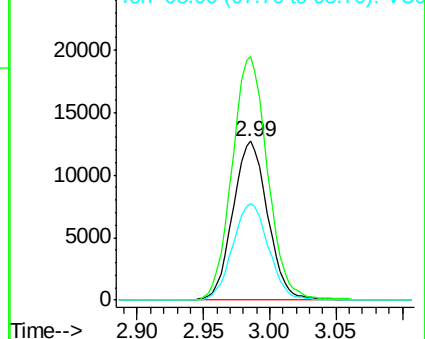


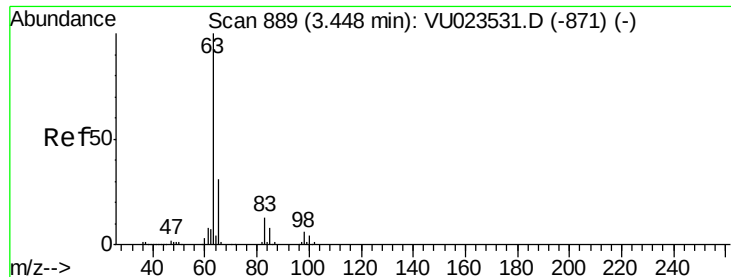
Abundance

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

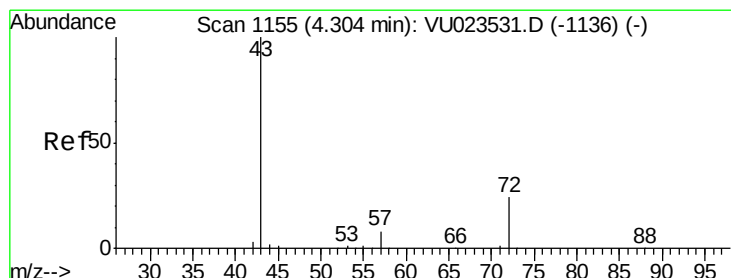
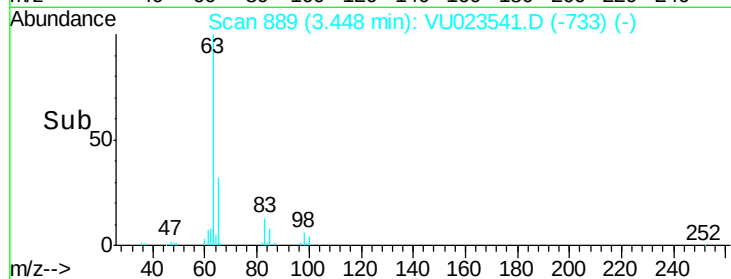
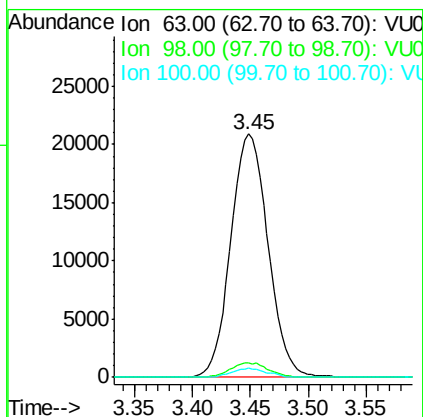
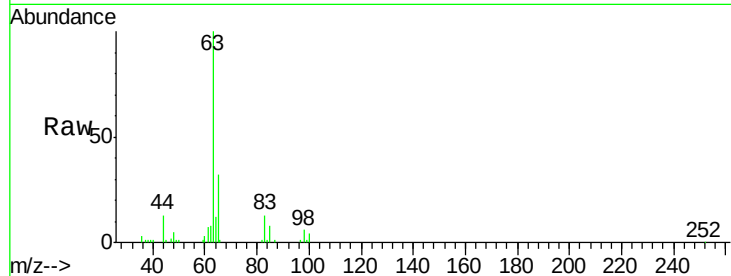




#17
 1,1-Dichloroethane
 Concen: 1.99 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

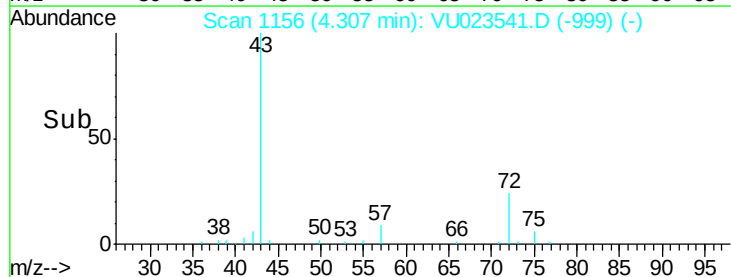
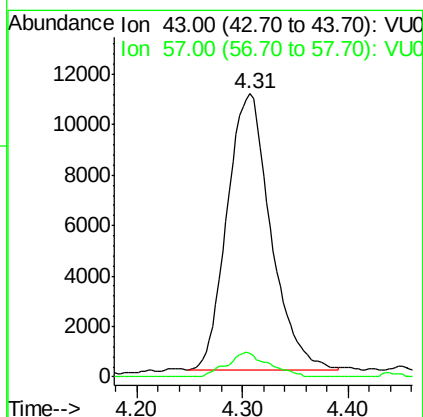
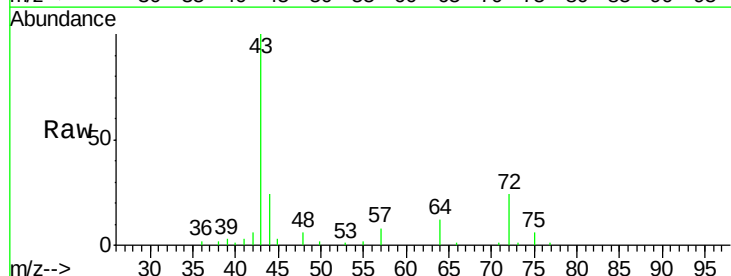
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

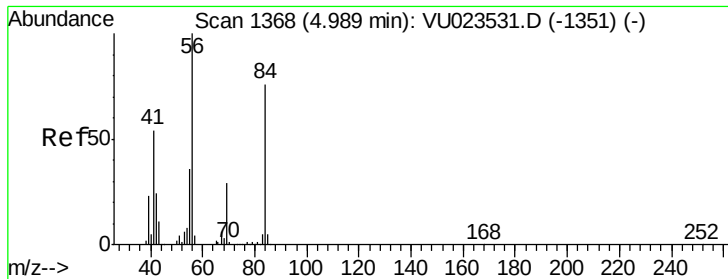
Tgt Ion: 63 Resp: 46744
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.8
 100 3.7 2.0 5.8



#18
 2-Butanone
 Concen: 9.98 ug/l
 RT: 4.31 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion: 43 Resp: 31440
 Ion Ratio Lower Upper
 43 100
 57 8.7 0.0 15.8

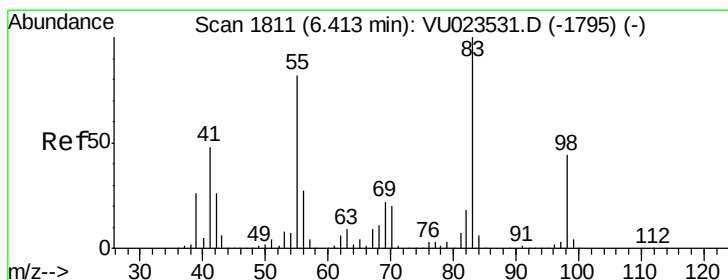
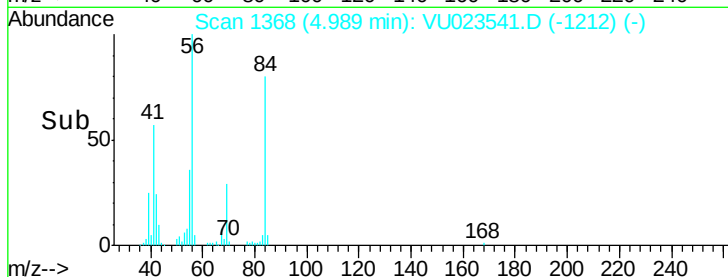
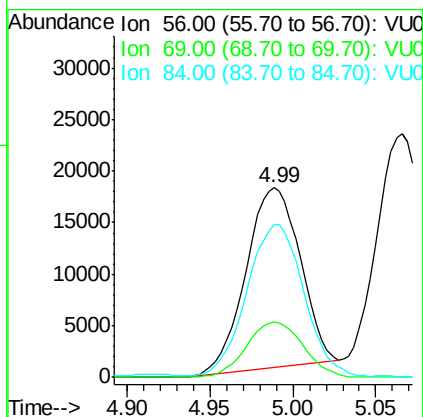
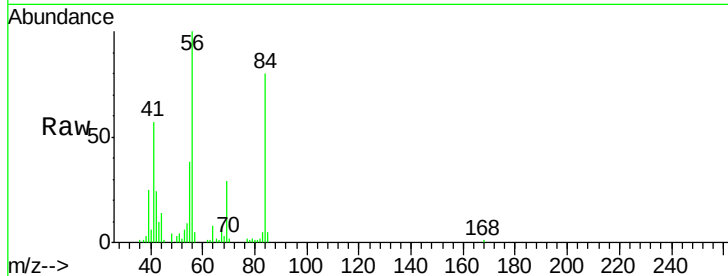




#19
Cyclohexane
Concen: 1.95 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

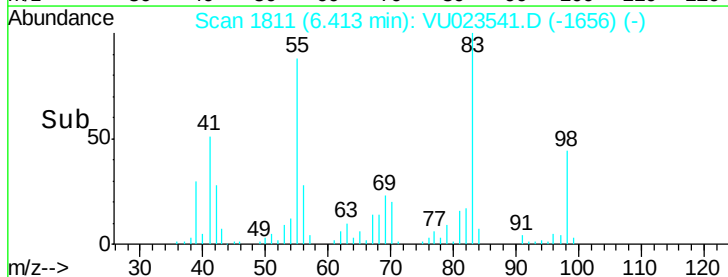
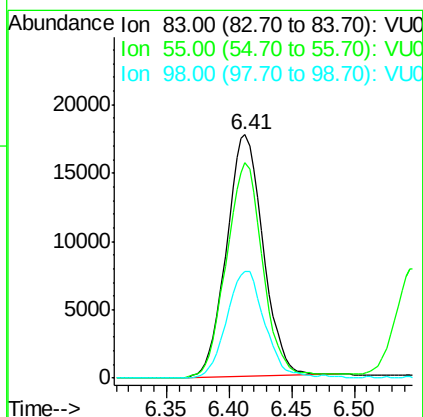
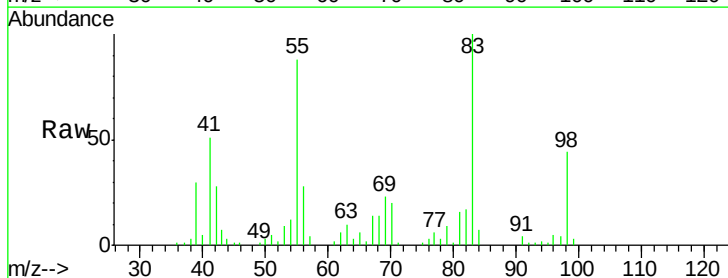
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

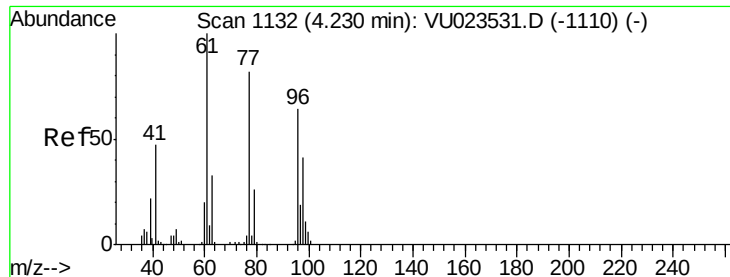
Tgt Ion: 56 Resp: 39645
Ion Ratio Lower Upper
56 100
69 32.2 26.0 39.0
84 88.5 68.3 102.5



#20
Methylcyclohexane
Concen: 1.74 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion: 83 Resp: 35971
Ion Ratio Lower Upper
83 100
55 86.6 66.4 99.6
98 44.5 35.4 53.2





#21

2,2-Dichloropropane

Concen: 1.87 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

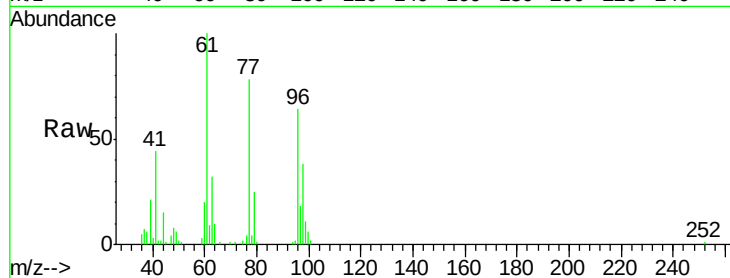
VU0430WBS01

Tgt Ion: 77 Resp: 34825

Ion Ratio Lower Upper

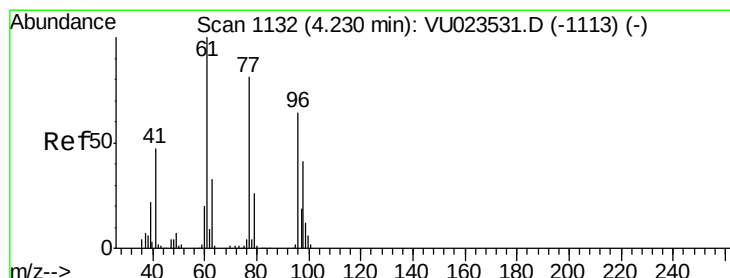
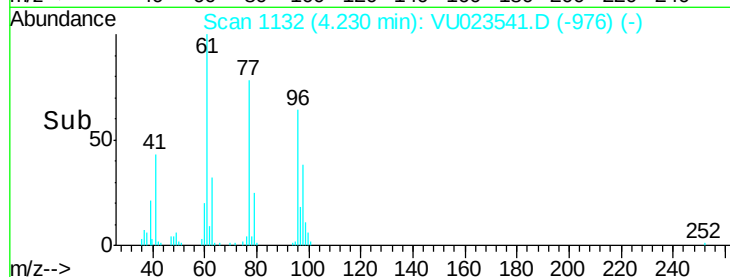
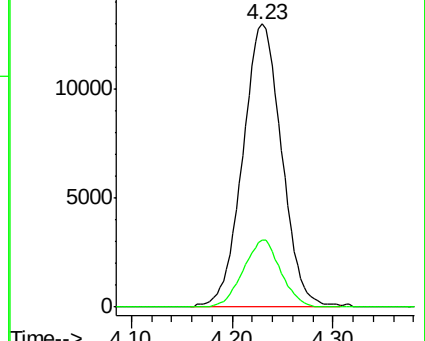
77 100

97 22.6 17.9 26.9



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 2.02 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

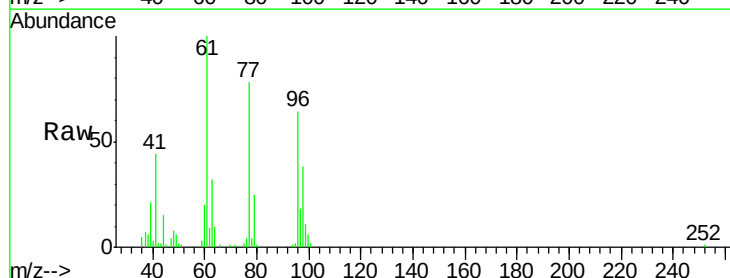
Tgt Ion: 96 Resp: 26016

Ion Ratio Lower Upper

96 100

61 158.6 0.0 400.5

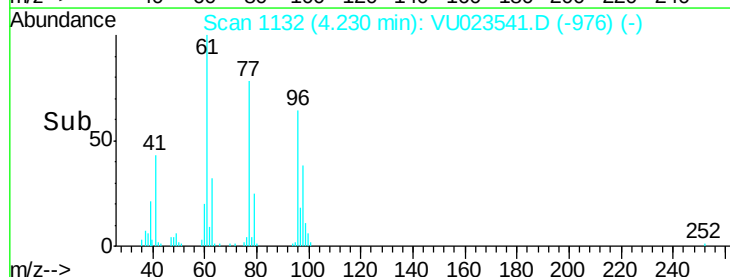
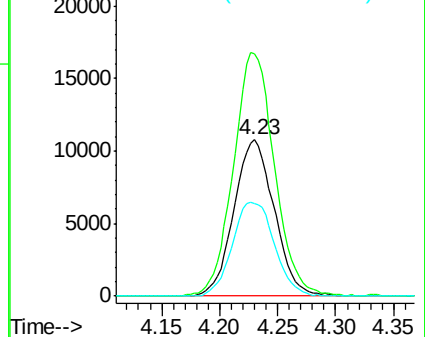
98 62.3 32.2 96.6

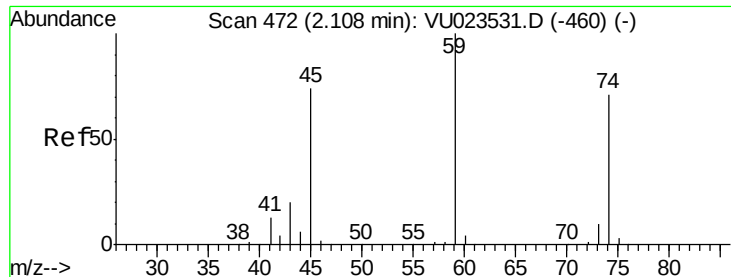


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

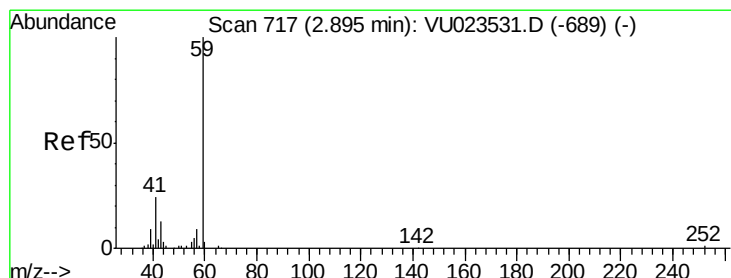
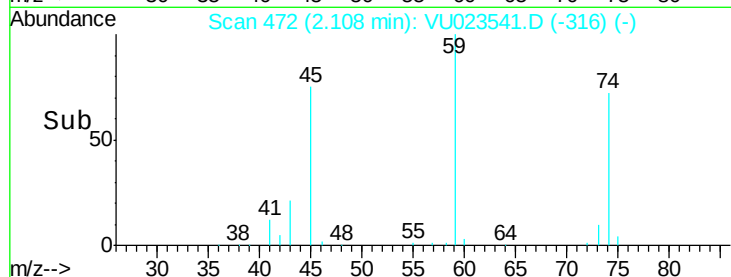
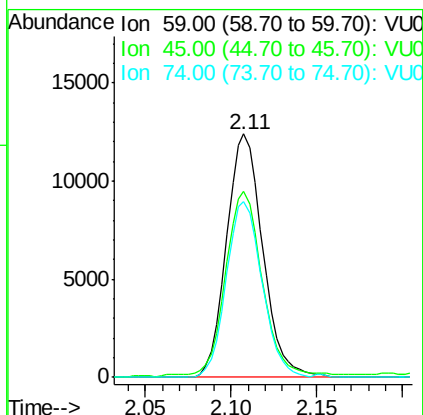
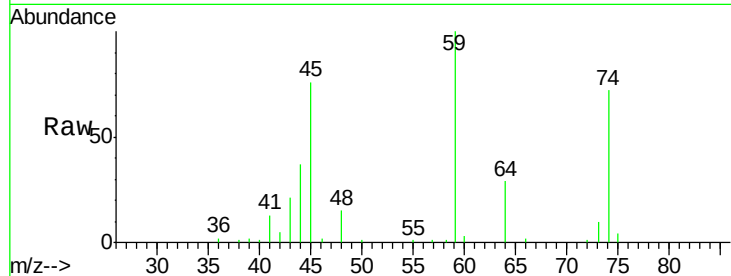




#23
Diethyl Ether
Concen: 2.00 ug/l
RT: 2.11 min Scan# 472
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

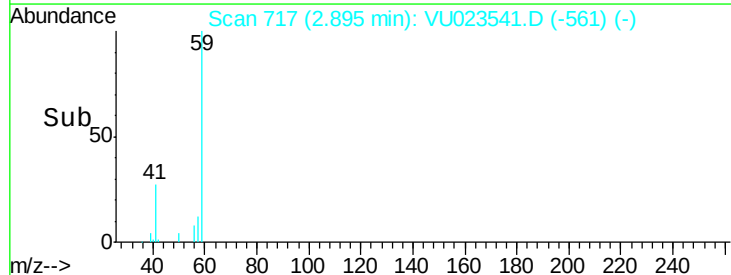
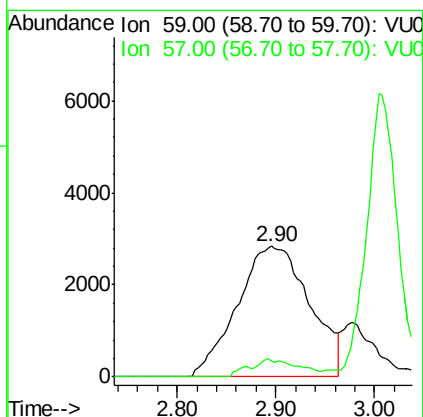
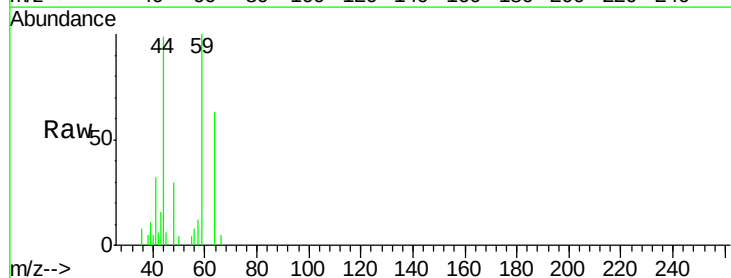
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

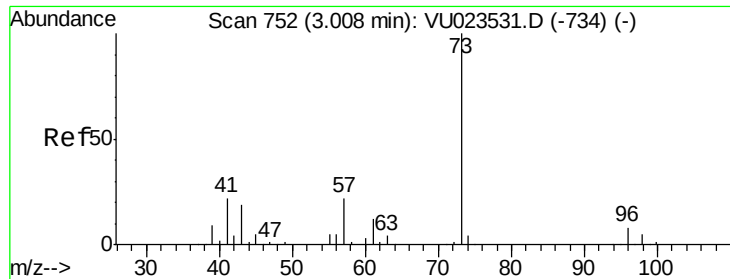
Tgt Ion: 59 Resp: 18188
Ion Ratio Lower Upper
59 100
45 74.6 60.0 90.0
74 71.1 56.5 84.7



#24
tert-Butyl Alcohol
Concen: 21.82 ug/l
RT: 2.90 min Scan# 717
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion: 59 Resp: 14462
Ion Ratio Lower Upper
59 100
57 5.2 3.4 5.2#





#25

Methyl tert-Butyl Ether

Concen: 1.98 ug/l

RT: 3.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampled :

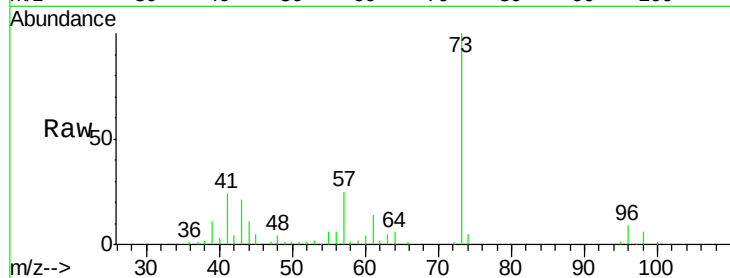
VU0430WBS01

Tgt Ion: 73 Resp: 55354

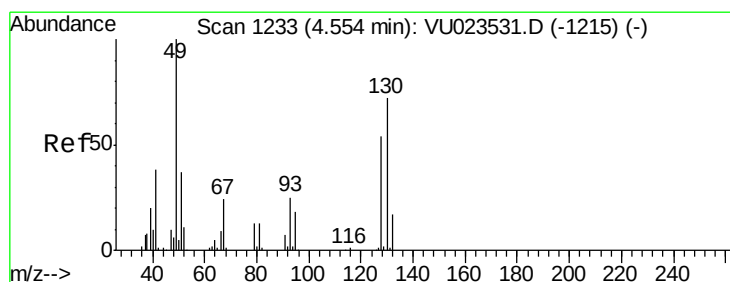
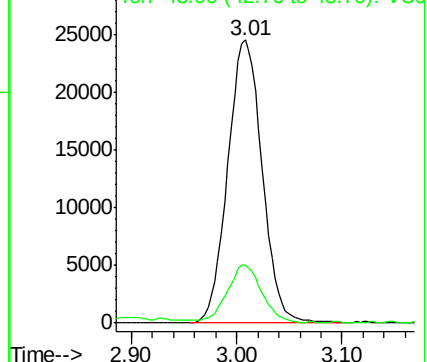
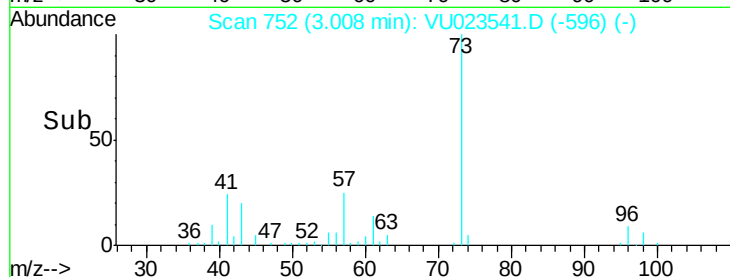
Ion Ratio Lower Upper

73 100

43 21.0 16.2 24.2



Abundance Ion 73.00 (72.70 to 73.70): VU023541.D (-596) (-)



#26

Bromochloromethane

Concen: 2.14 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

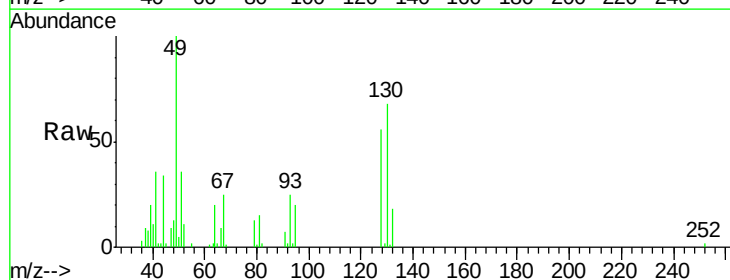
Tgt Ion: 128 Resp: 10937

Ion Ratio Lower Upper

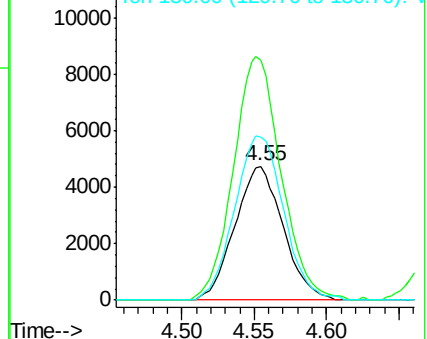
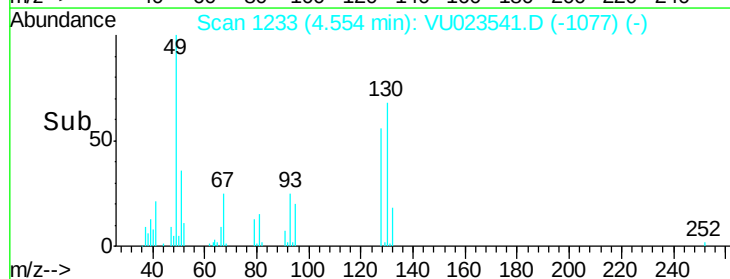
128 100

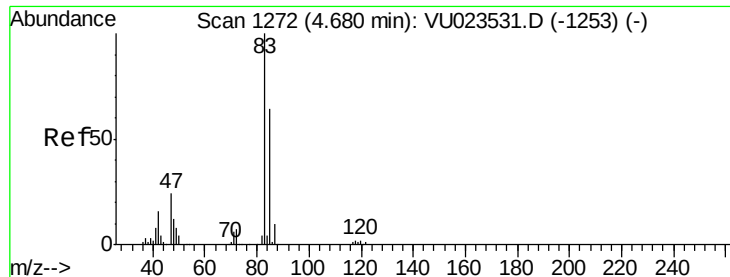
49 179.8 0.0 375.2

130 125.0 105.8 158.6



Abundance Ion 128.00 (127.70 to 128.70): VU023541.D (-1077) (-)





#27

Chloroform

Concen: 1.99 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

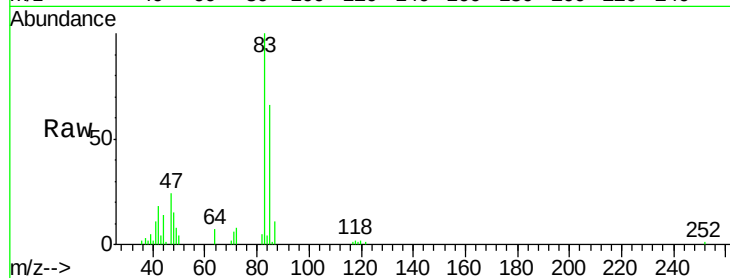
VU0430WBS01

Tgt Ion: 83 Resp: 44100

Ion Ratio Lower Upper

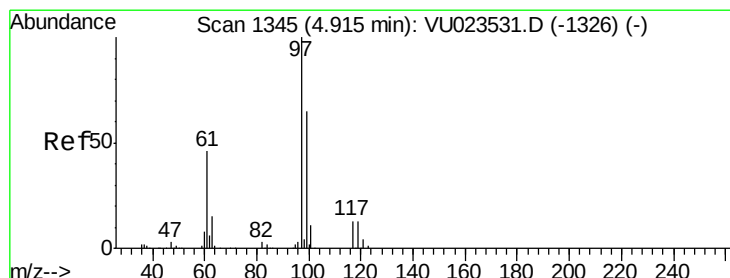
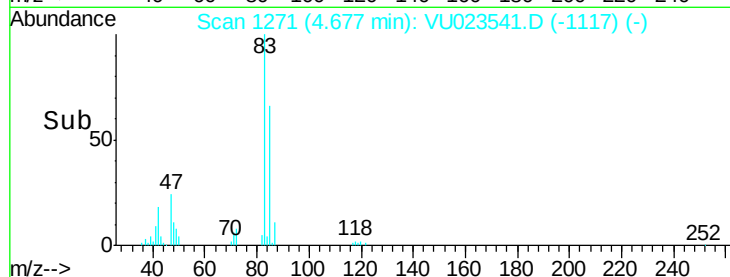
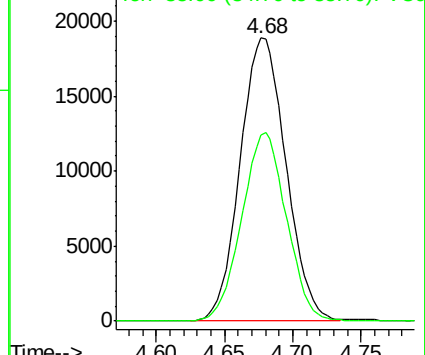
83 100

85 65.6 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: 1.98 ug/l

RT: 4.91 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

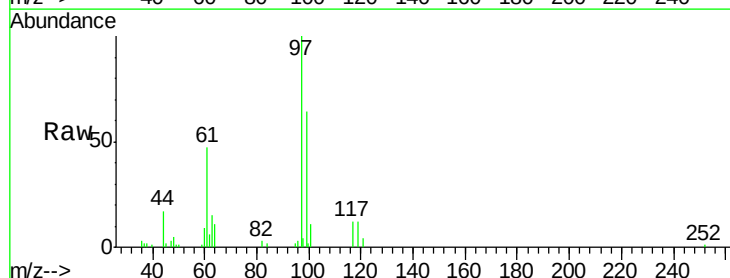
Tgt Ion: 97 Resp: 35947

Ion Ratio Lower Upper

97 100

99 66.2 32.3 96.9

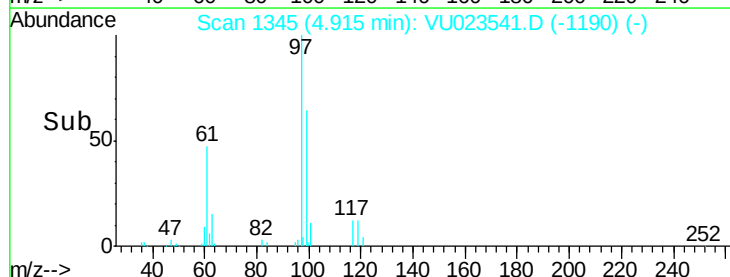
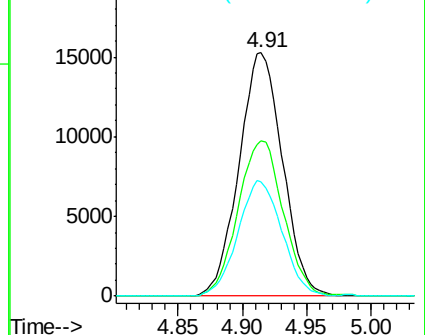
61 47.9 23.2 69.5

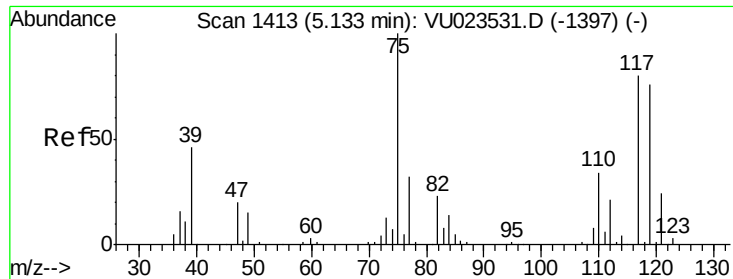


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29

1,1-Dichloropropene

Concen: 2.02 ug/l

RT: 5.13 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

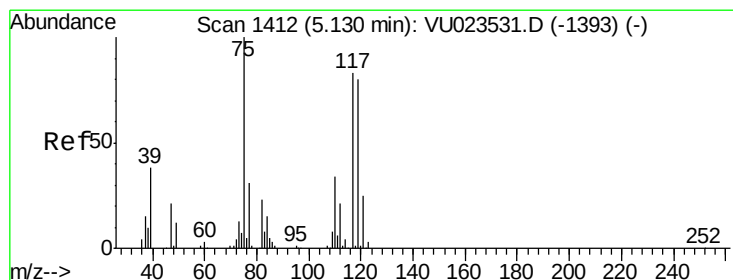
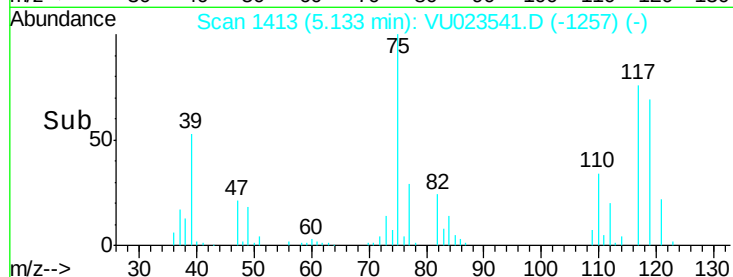
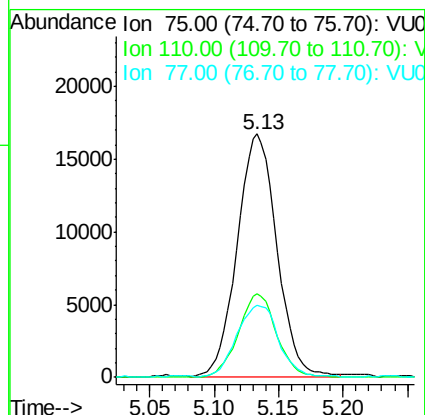
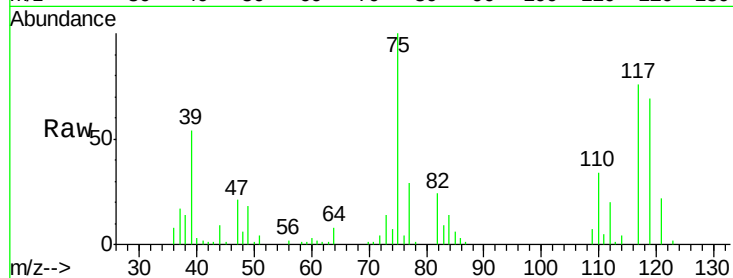
Tgt Ion: 75 Resp: 36025

Ion Ratio Lower Upper

75 100

110 32.9 16.9 50.7

77 31.5 24.8 37.2



#30

Carbon Tetrachloride

Concen: 1.95 ug/l

RT: 5.13 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

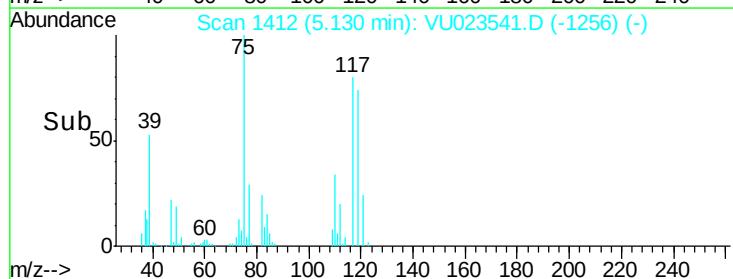
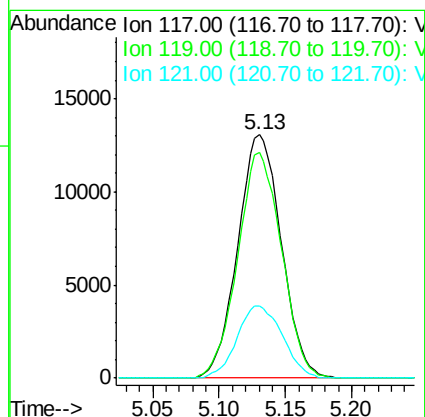
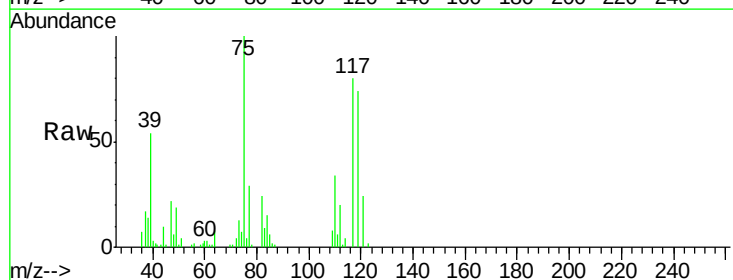
Tgt Ion: 117 Resp: 29845

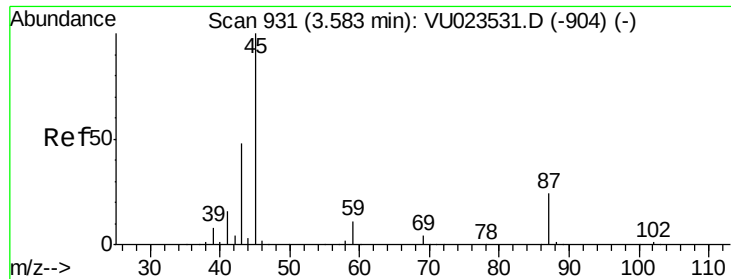
Ion Ratio Lower Upper

117 100

119 92.6 77.3 115.9

121 29.7 24.5 36.7





#31

Isopropyl Ether

Concen: 1.92 ug/l

RT: 3.58 min Scan# 931

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

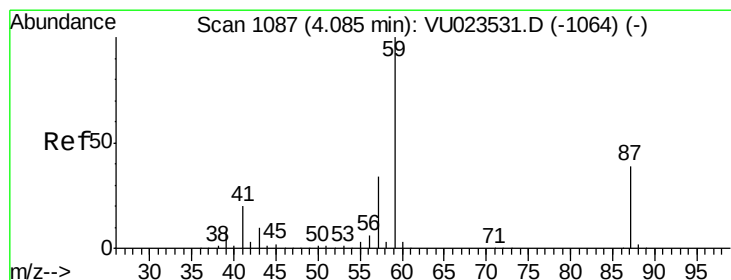
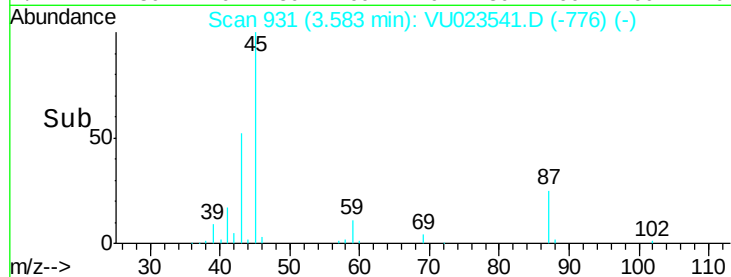
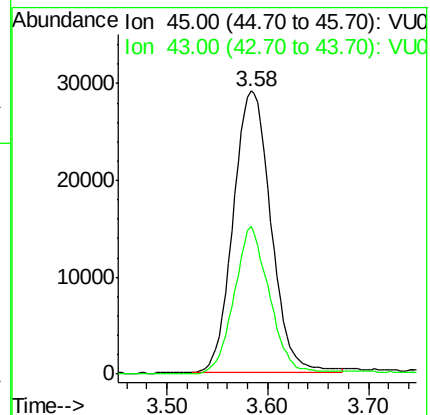
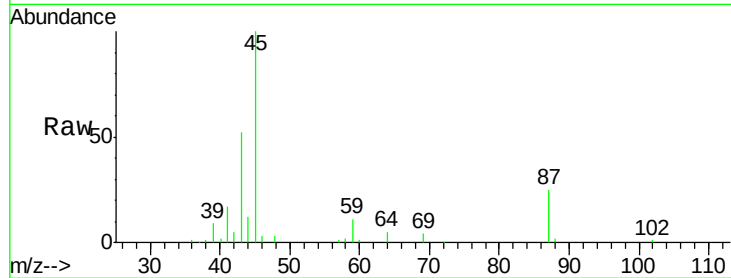
VU0430WBS01

Tgt Ion: 45 Resp: 76014

Ion Ratio Lower Upper

45 100

43 49.0 24.0 72.0



#32

Ethyl-t-butyl ether

Concen: 1.91 ug/l

RT: 4.09 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VU023541.D

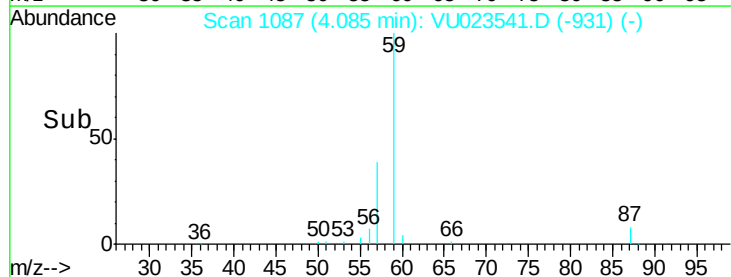
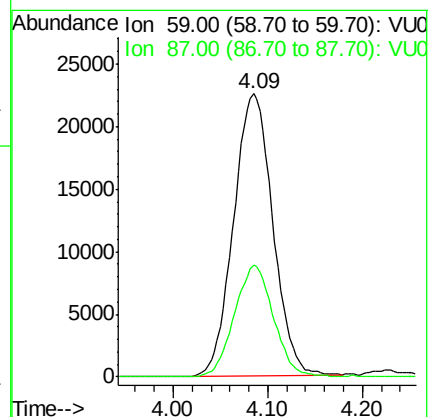
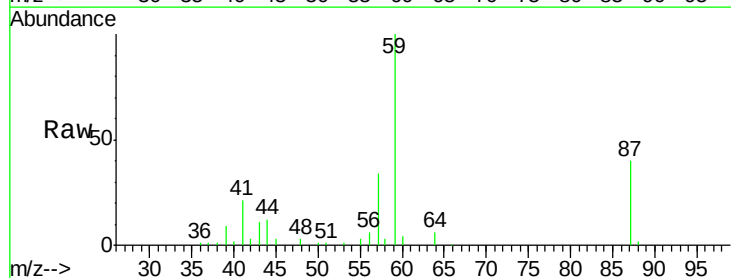
Acq: 30 Apr 2018 21:56

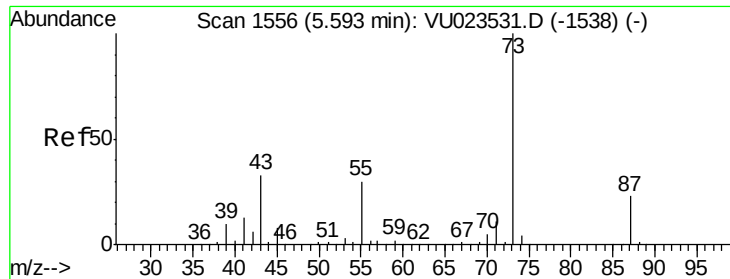
Tgt Ion: 59 Resp: 64795

Ion Ratio Lower Upper

59 100

87 39.4 31.0 46.6



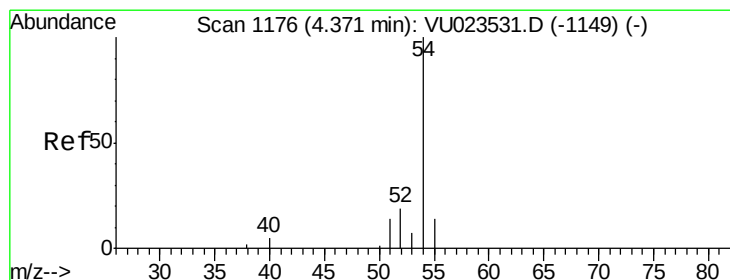
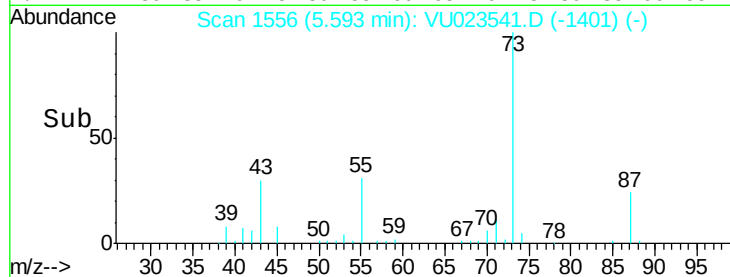
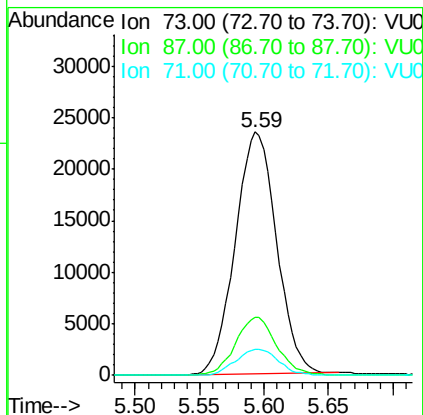
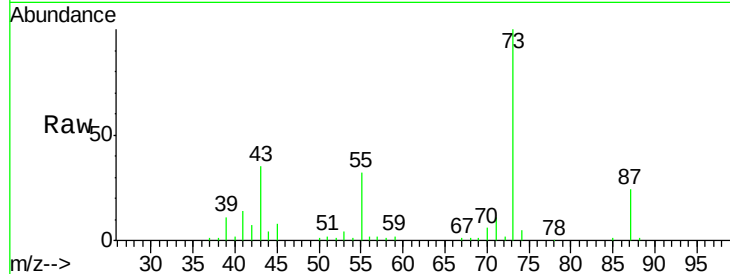


#33

Tert-Amyl methyl ether
 Concen: 1.83 ug/l
 RT: 5.59 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

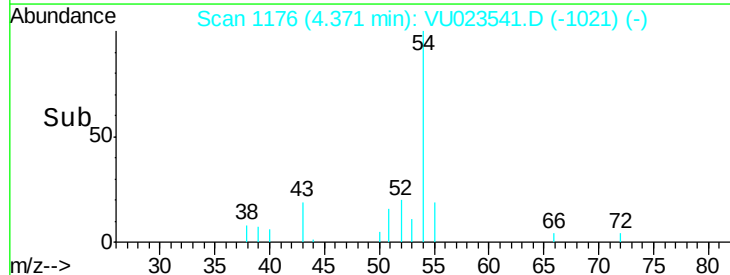
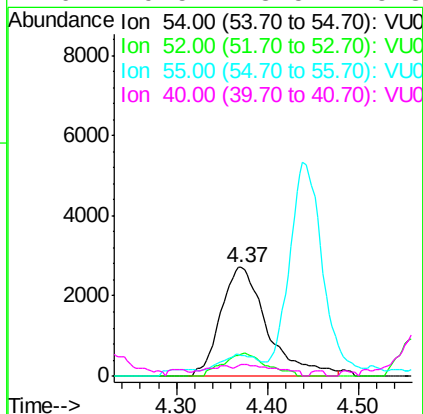
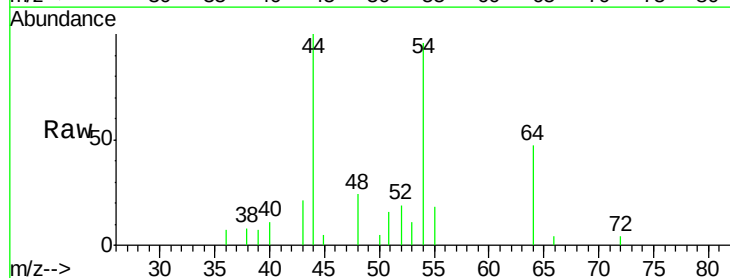
Tgt Ion: 73 Resp: 52564
 Ion Ratio Lower Upper
 73 100
 87 23.7 18.6 28.0
 71 11.0 9.3 13.9

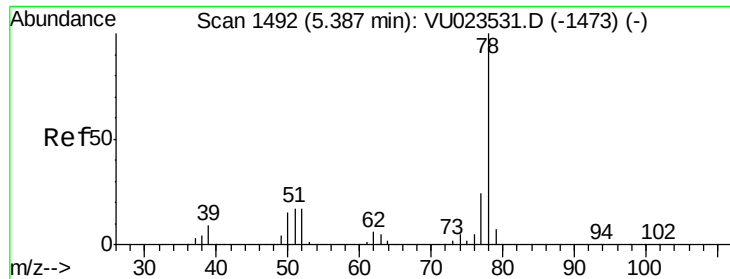


#34

Propionitrile
 Concen: 10.70 ug/l
 RT: 4.37 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion: 54 Resp: 9601
 Ion Ratio Lower Upper
 54 100
 52 19.3 13.7 20.5
 55 14.1 10.2 15.2
 40 9.5 3.5 5.3#





#35

Benzene

Concen: 2.01 ug/l

RT: 5.39 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

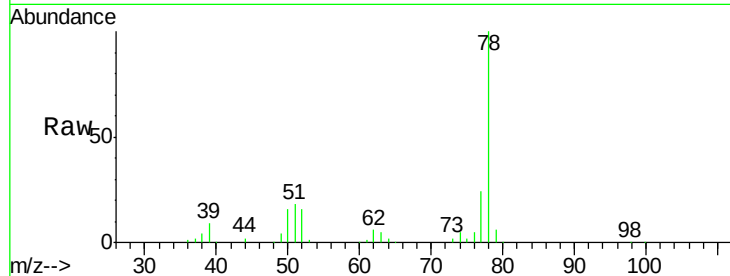
VU0430WBS01

Tgt Ion: 78 Resp: 106215

Ion Ratio Lower Upper

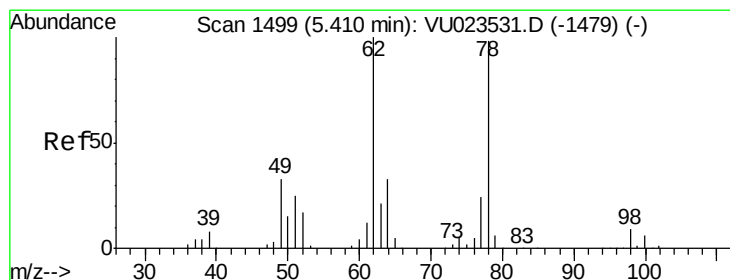
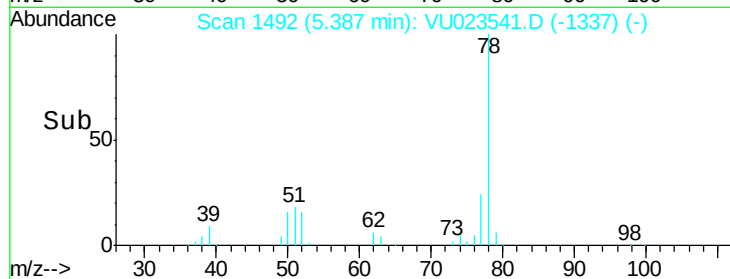
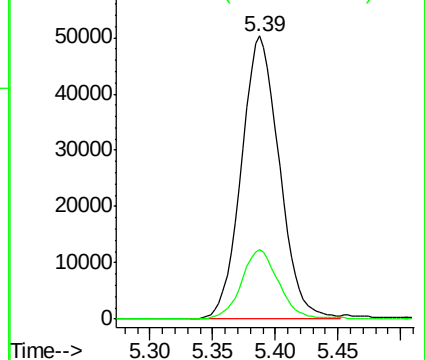
78 100

77 24.5 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: 2.06 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU023541.D

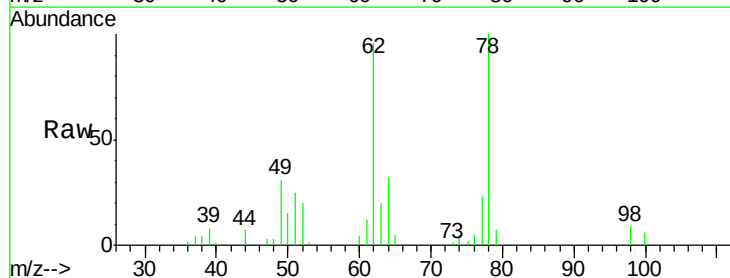
Acq: 30 Apr 2018 21:56

Tgt Ion: 62 Resp: 30790

Ion Ratio Lower Upper

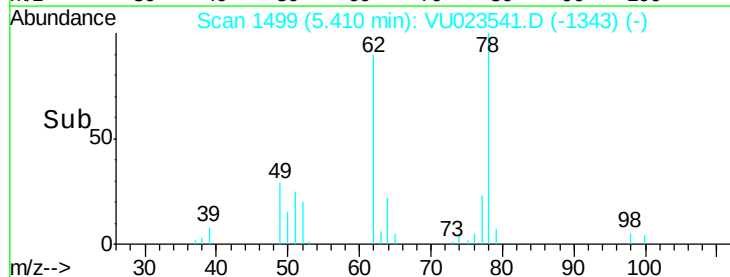
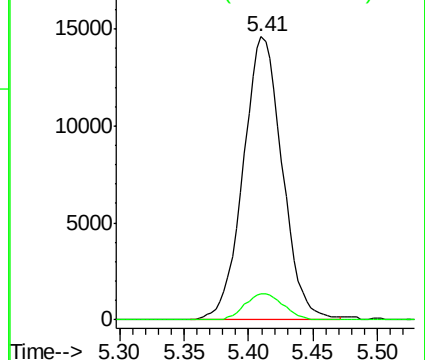
62 100

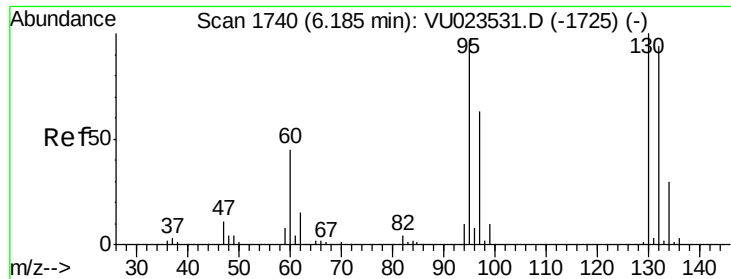
98 9.1 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 1.91 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

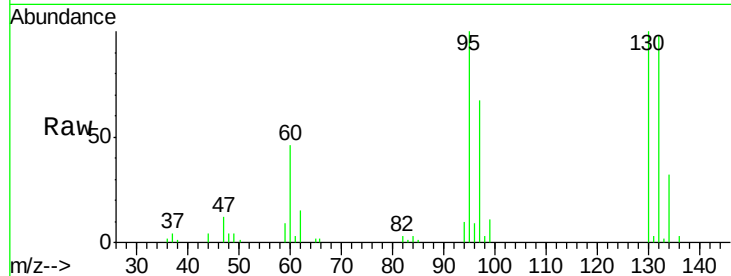
VU0430WBS01

Tgt Ion:130 Resp: 27099

Ion Ratio Lower Upper

130 100

95 99.7 77.9 116.9



Abundance Ion 129.90 (129.60 to 130.60): VU023541.D (-1585) (-)

Ion 94.90 (94.60 to 95.60): VU023541.D (-1585) (-)

6.19

15000

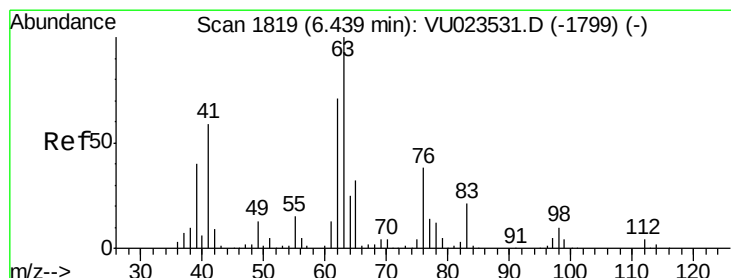
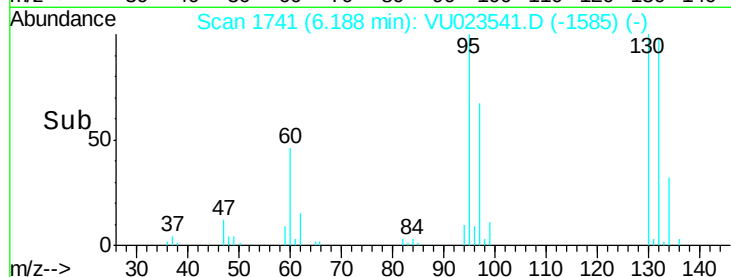
10000

5000

0

6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 1.94 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VU023541.D

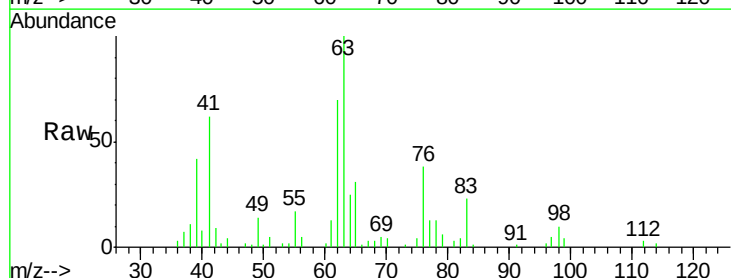
Acq: 30 Apr 2018 21:56

Tgt Ion: 63 Resp: 28101

Ion Ratio Lower Upper

63 100

65 30.7 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU023541.D (-1663) (-)

Ion 65.00 (64.70 to 65.70): VU023541.D (-1663) (-)

6.44

15000

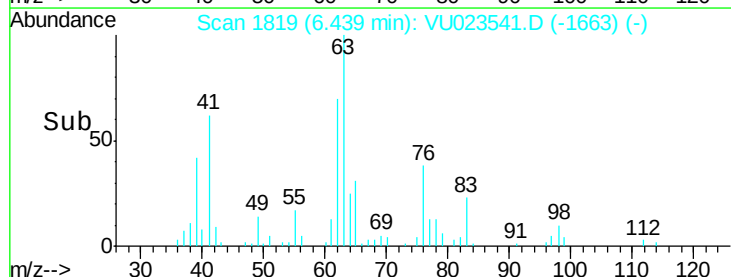
10000

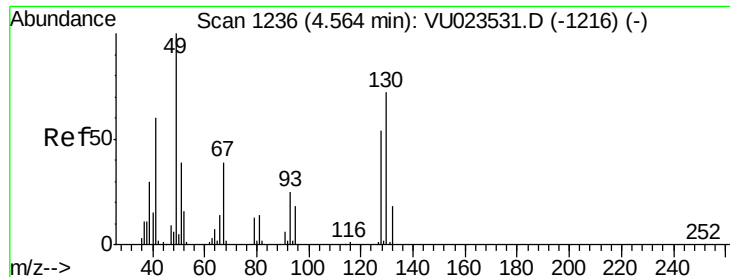
5000

0

6.35 6.40 6.45 6.50

Time-->

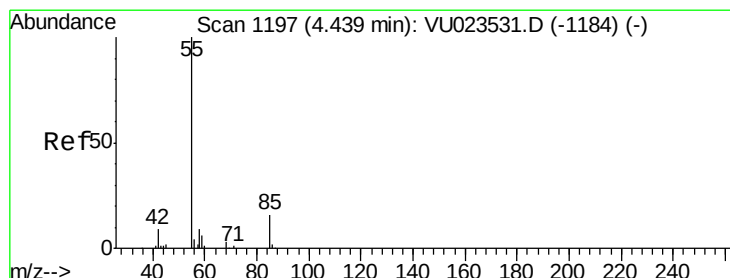
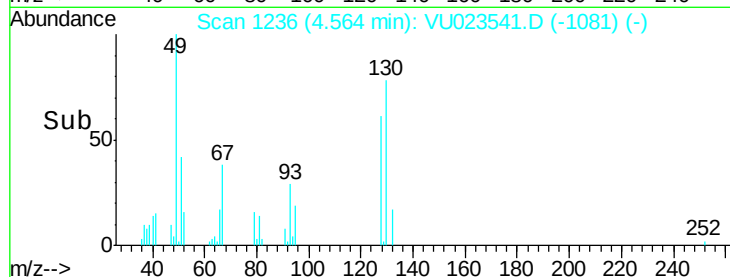
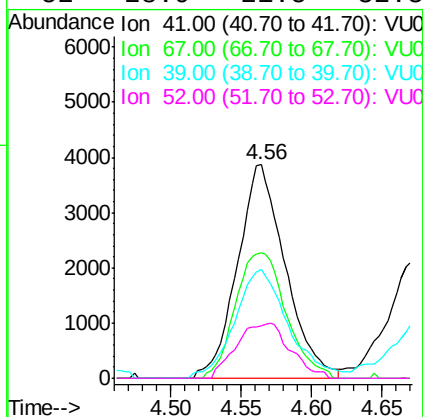
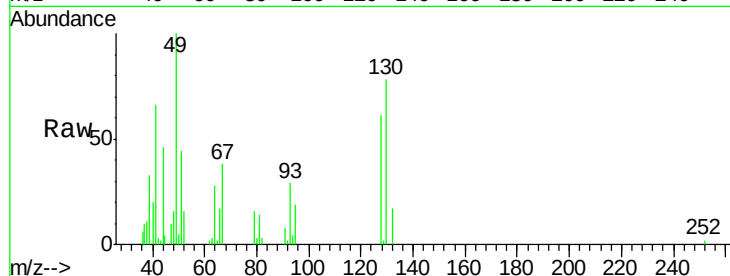




#39
Methacrylonitrile
Concen: 2.00 ug/l
RT: 4.56 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

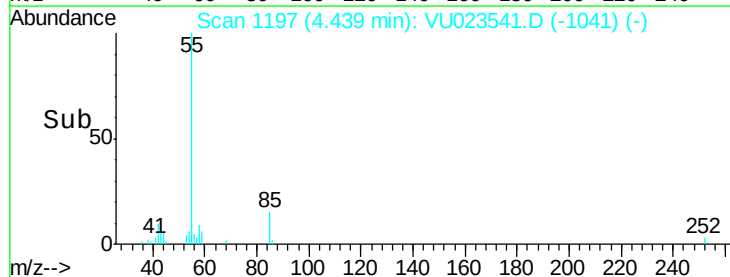
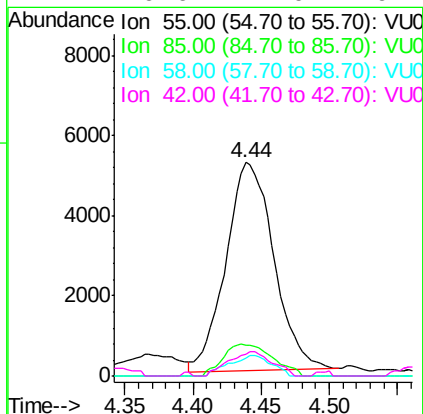
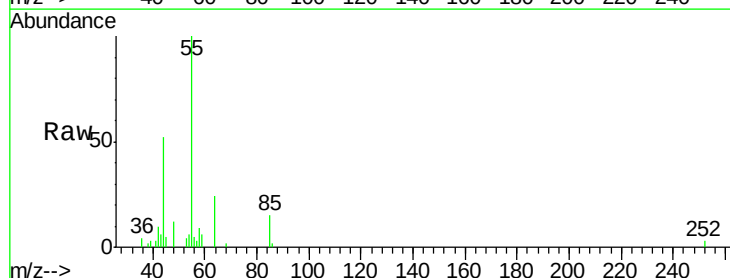
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

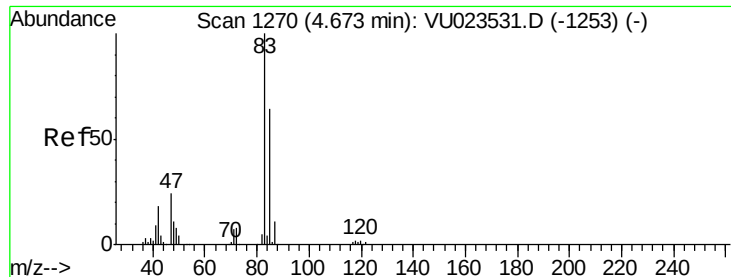
Tgt Ion:	41	Resp:	9172
Ion	Ratio	Lower	Upper
41	100		
67	62.3	51.3	76.9
39	57.0	40.6	60.8
52	28.9	21.5	32.3



#40
Methyl acrylate
Concen: 2.01 ug/l
RT: 4.44 min Scan# 1197
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion:	55	Resp:	12764
Ion	Ratio	Lower	Upper
55	100		
85	15.7	12.3	18.5
58	8.7	7.0	10.6
42	10.6	7.0	10.4#





#41

Tetrahydrofuran

Concen: 4.02 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

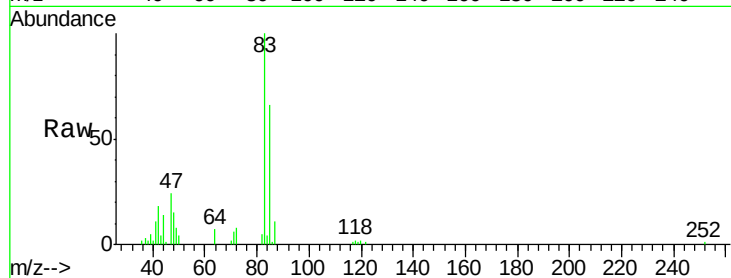
Tgt Ion: 42 Resp: 9513

Ion Ratio Lower Upper

42 100

72 39.9 33.2 49.8

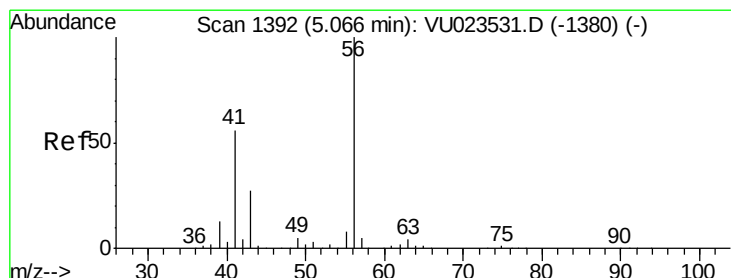
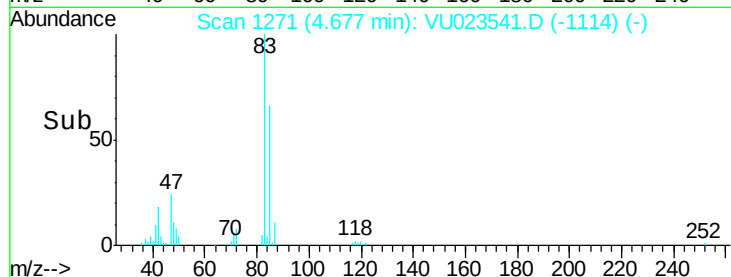
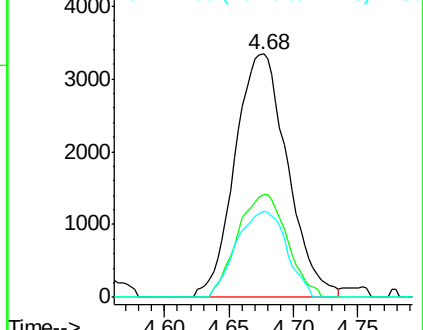
71 33.6 29.8 44.8



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 1.94 ug/l

RT: 5.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VU023541.D

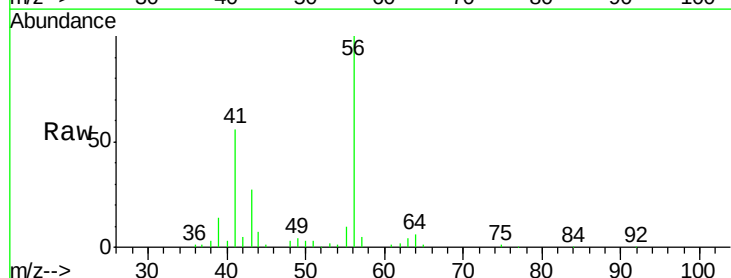
Acq: 30 Apr 2018 21:56

Tgt Ion: 56 Resp: 50163

Ion Ratio Lower Upper

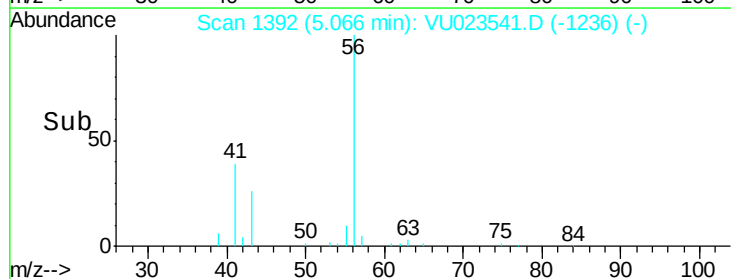
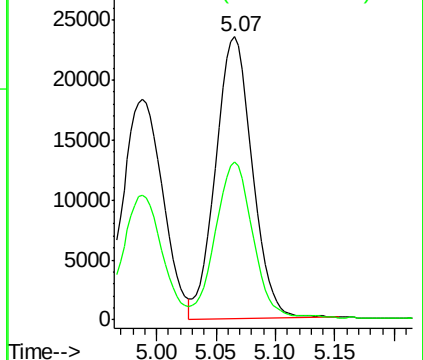
56 100

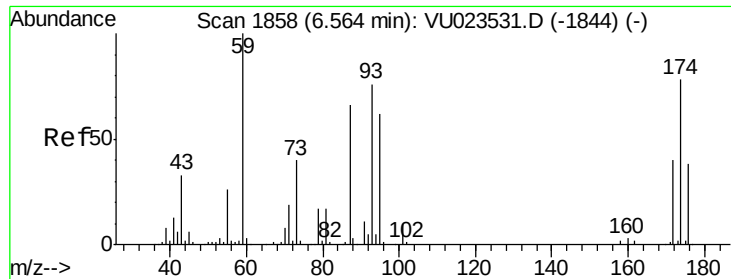
41 55.1 27.5 82.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 2.02 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

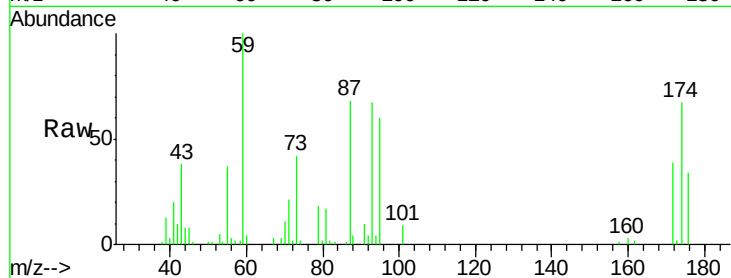
Tgt Ion: 93 Resp: 12634

Ion Ratio Lower Upper

93 100

95 85.4 67.2 100.8

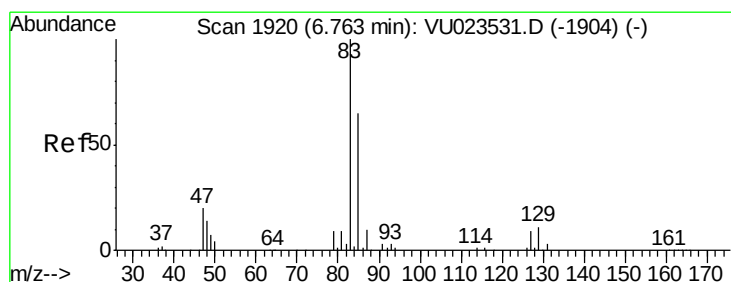
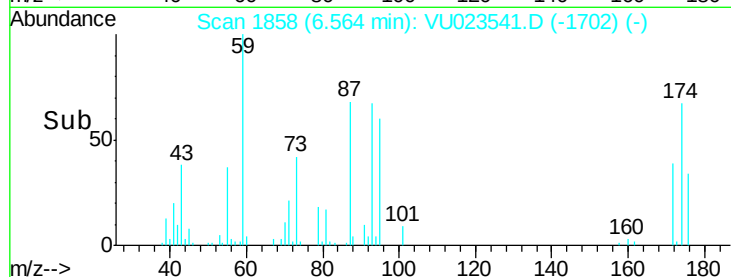
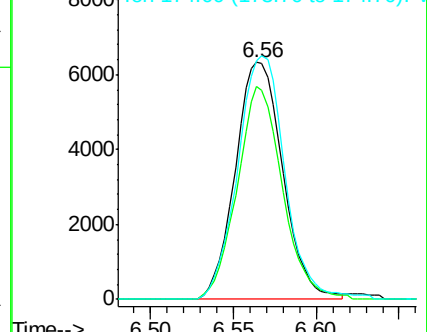
174 102.6 82.8 124.2



Abundance Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 1.92 ug/l

RT: 6.76 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

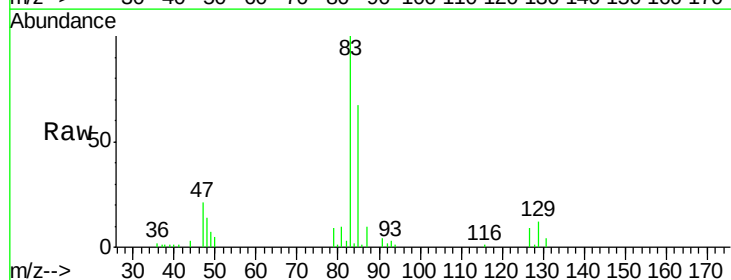
Tgt Ion: 83 Resp: 30125

Ion Ratio Lower Upper

83 100

85 67.0 52.2 78.4

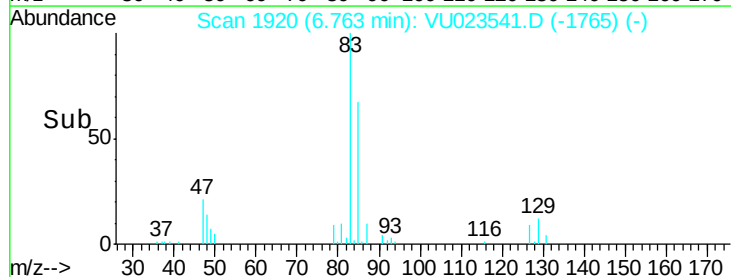
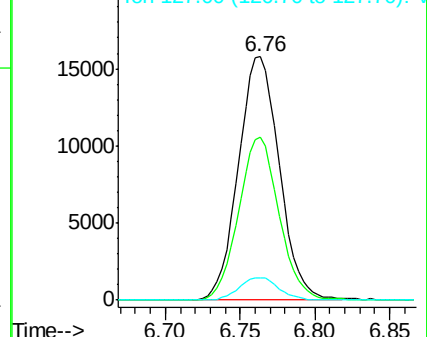
127 9.3 7.0 10.4

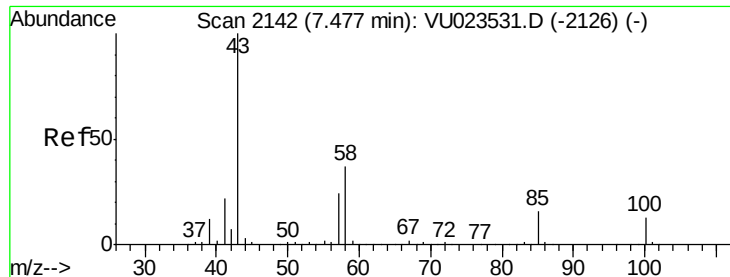


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V





#45

4-Methyl-2-Pentanone

Concen: 9.91 ug/l

RT: 7.48 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

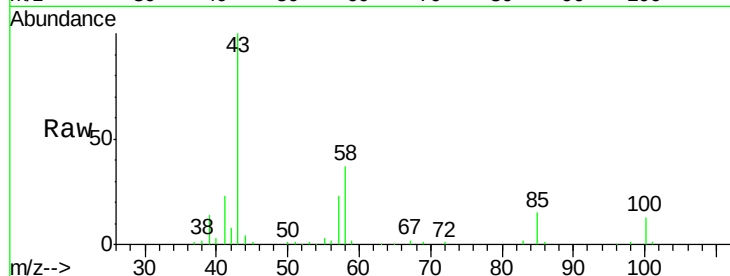
Tgt Ion: 43 Resp: 73133

Ion Ratio Lower Upper

43 100

58 35.0 18.8 56.4

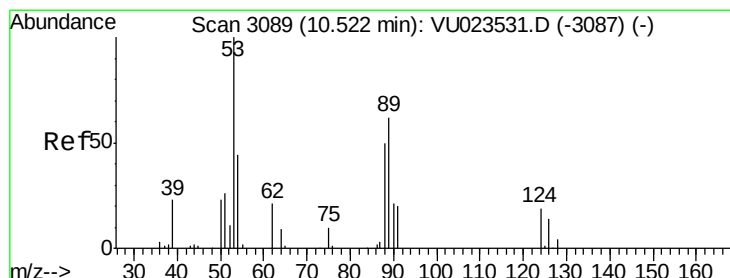
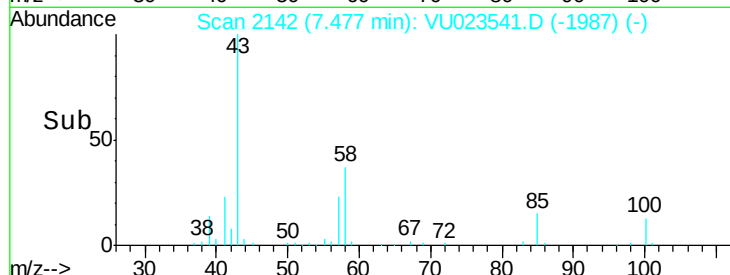
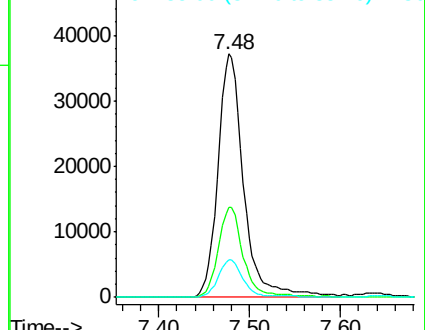
85 14.8 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

t-1,4-Dichloro-2-butene

Concen: 11.24 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. -0.02 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Tgt Ion: 75 Resp: 24535

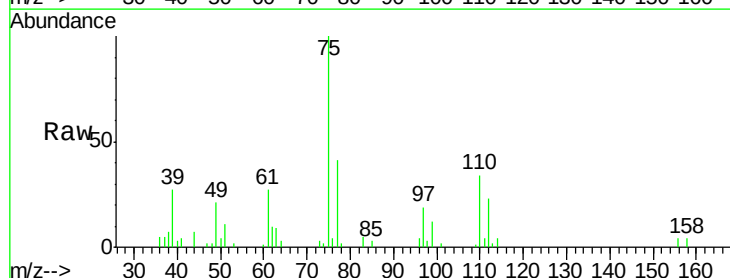
Ion Ratio Lower Upper

75 100

53 32.4 82.2 123.4#

89 18.1 51.3 76.9#

88 14.0 37.4 56.2#

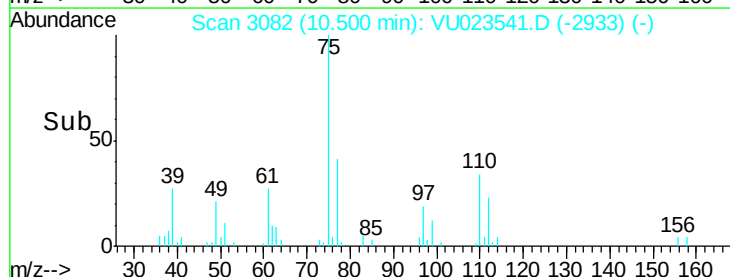
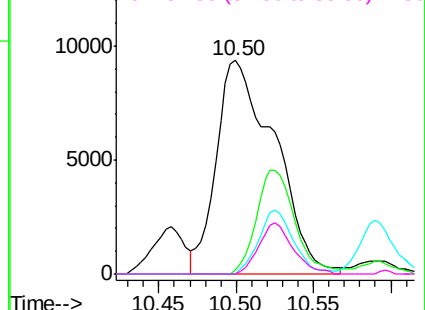


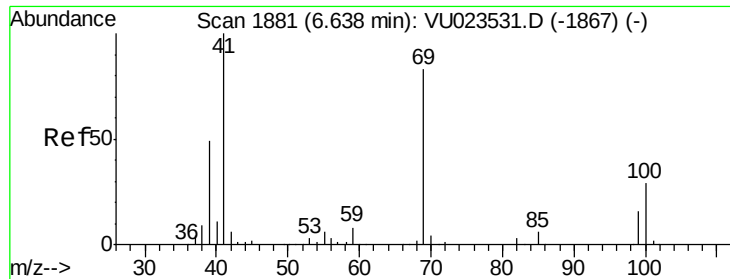
Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.80 (88.50 to 89.50): VU0

Ion 87.80 (87.50 to 88.50): VU0

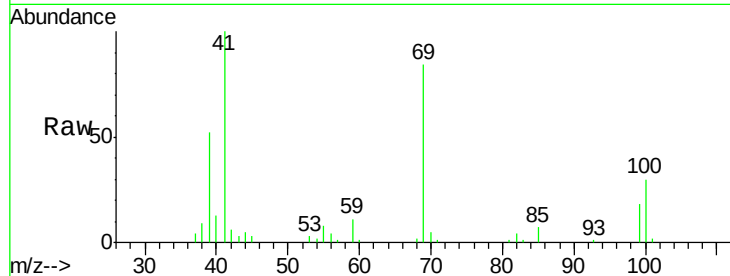




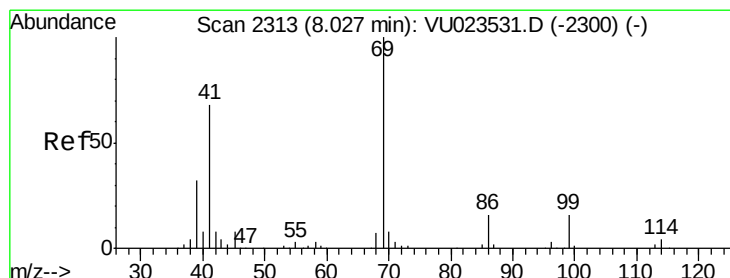
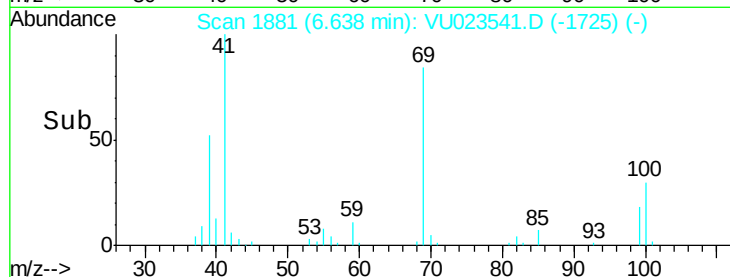
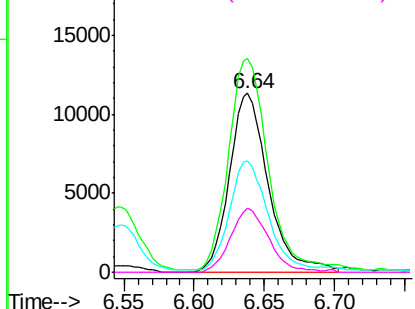
#47
Methyl methacrylate
Concen: 3.87 ug/l
RT: 6.64 min Scan# 1881
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

Tgt Ion: 69 Resp: 21921
Ion Ratio Lower Upper
69 100
41 118.4 0.0 245.4
39 59.1 49.0 73.4
100 35.2 27.8 41.8

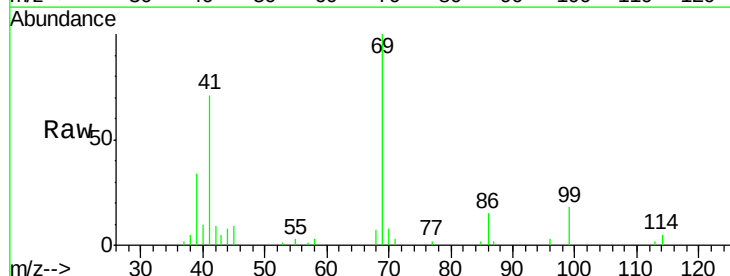


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

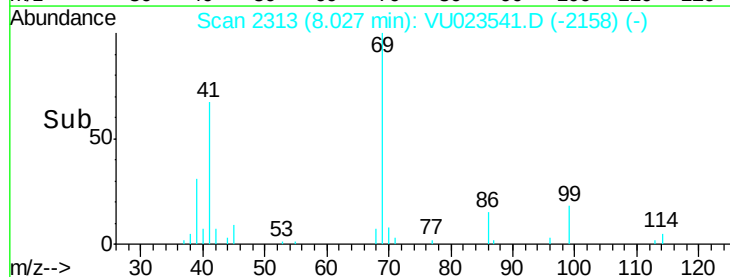
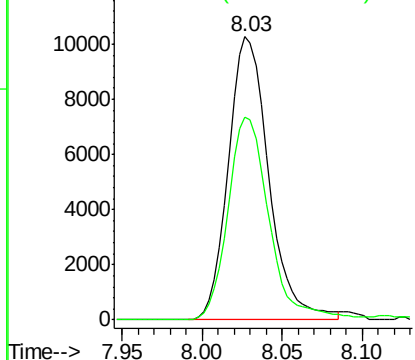


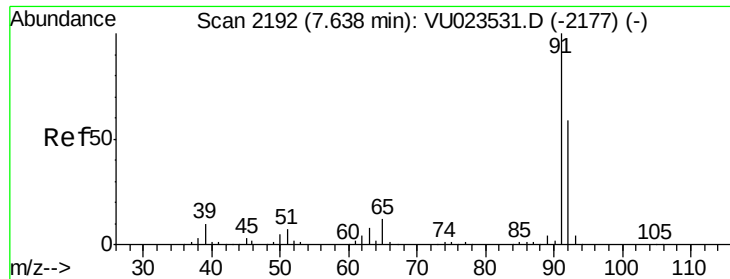
#48
Ethyl methacrylate
Concen: 1.79 ug/l
RT: 8.03 min Scan# 2313
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion: 69 Resp: 17747
Ion Ratio Lower Upper
69 100
41 72.8 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: 1.89 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

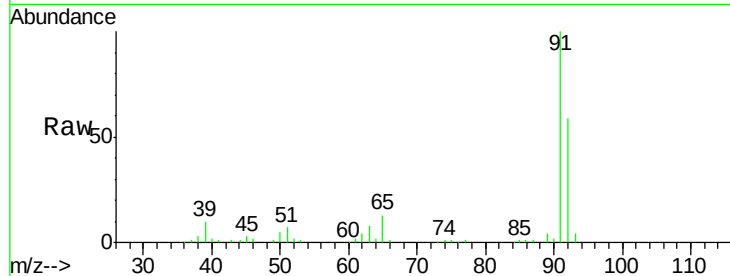
VU0430WBS01

Tgt Ion: 92 Resp: 57666

Ion Ratio Lower Upper

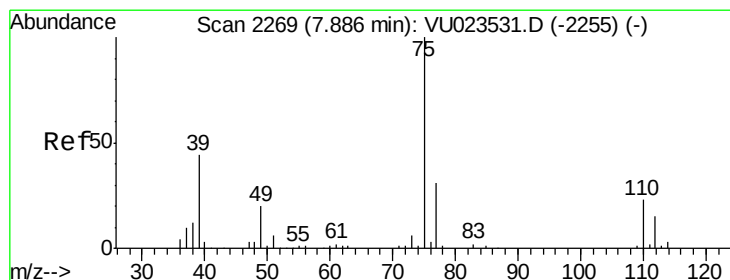
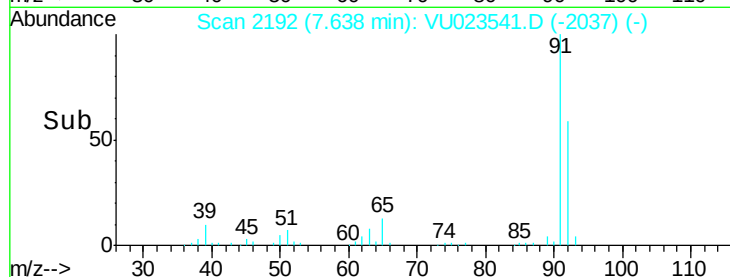
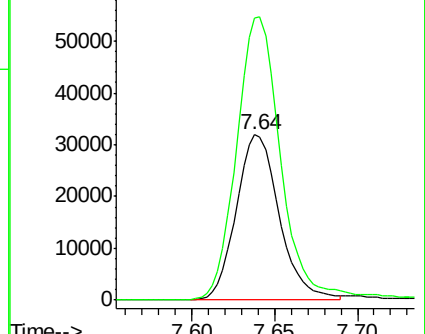
92 100

91 178.6 137.1 205.7



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: 1.88 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VU023541.D

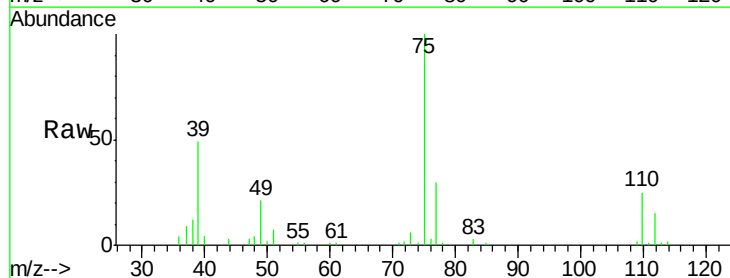
Acq: 30 Apr 2018 21:56

Tgt Ion: 75 Resp: 25159

Ion Ratio Lower Upper

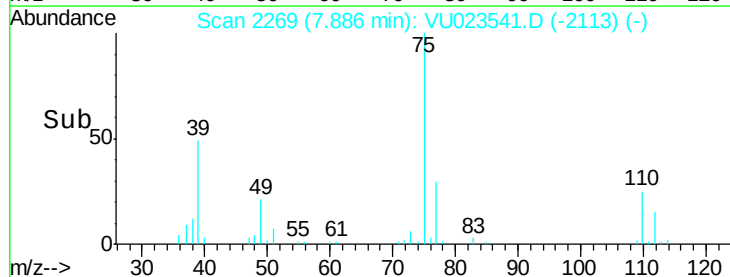
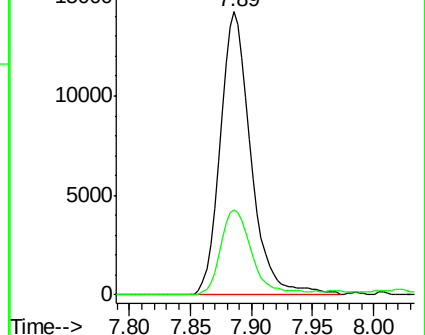
75 100

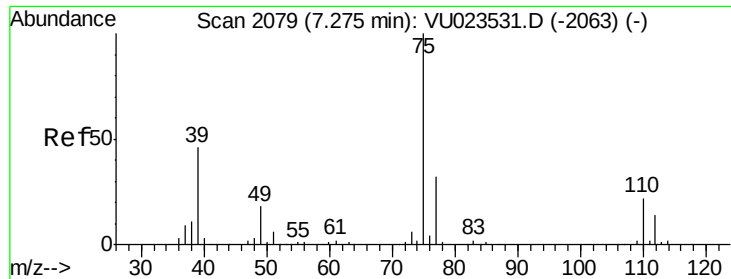
77 29.9 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

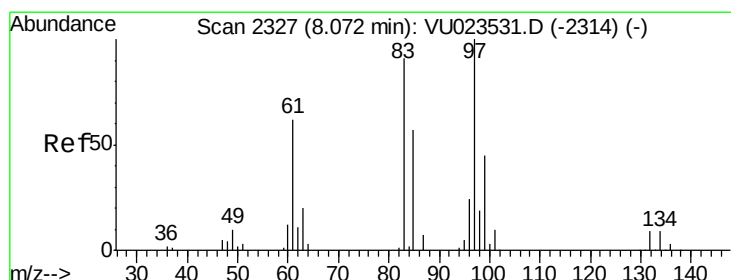
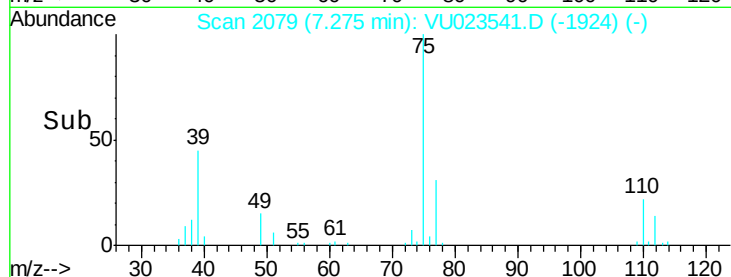
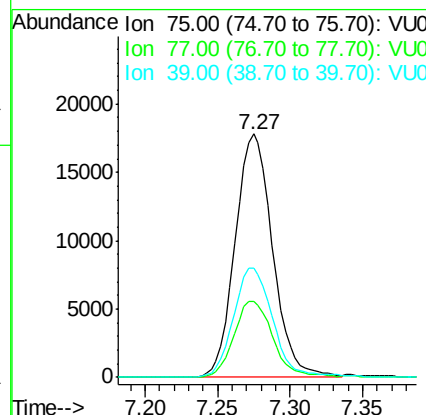
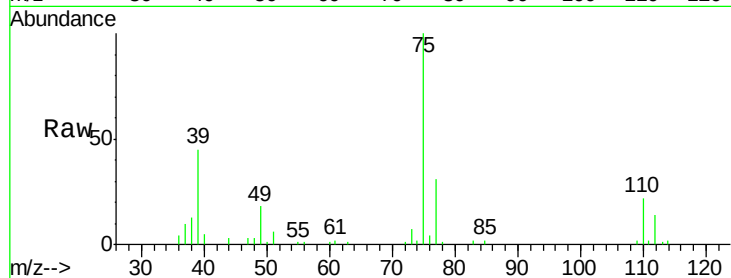




#51
 cis-1,3-Dichloropropene
 Concen: 1.84 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

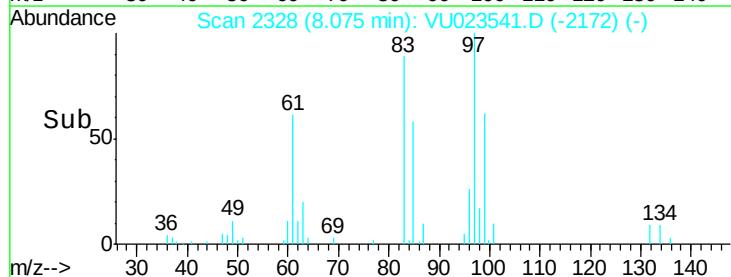
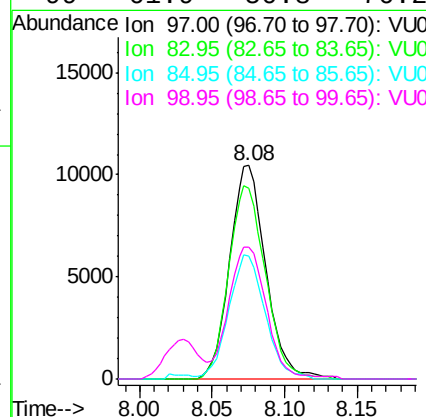
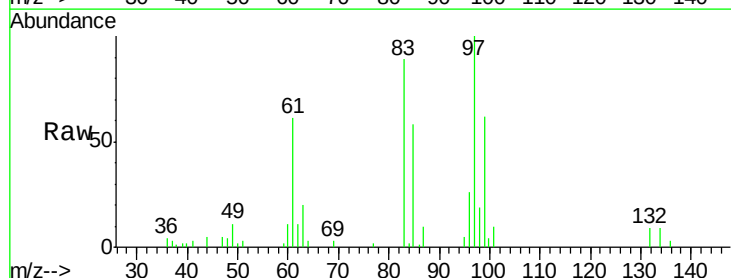
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

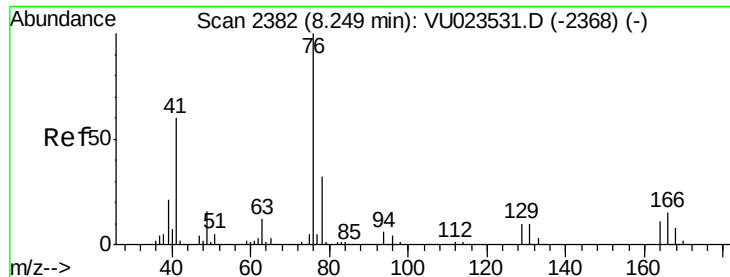
Tgt Ion: 75 Resp: 32049
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8
 39 44.9 36.4 54.6



#52
 1,1,2-Trichloroethane
 Concen: 2.04 ug/l
 RT: 8.08 min Scan# 2328
 Delta R.T. 0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion: 97 Resp: 18100
 Ion Ratio Lower Upper
 97 100
 83 89.3 72.6 109.0
 85 57.6 47.2 70.8
 99 61.9 50.8 76.2

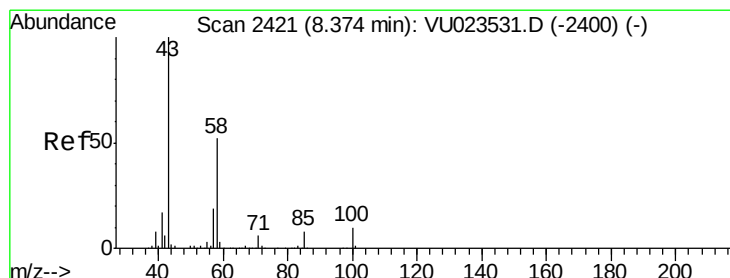
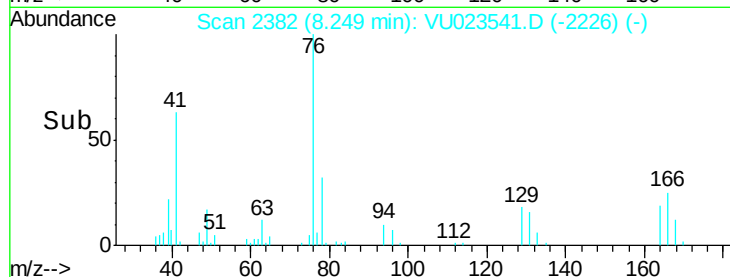
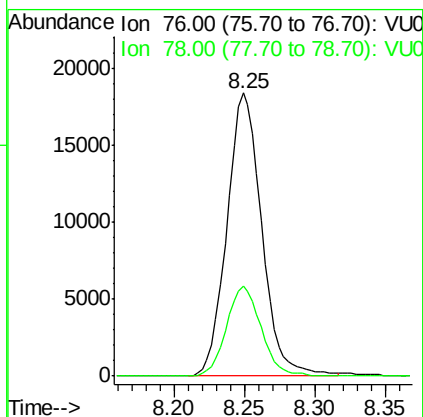
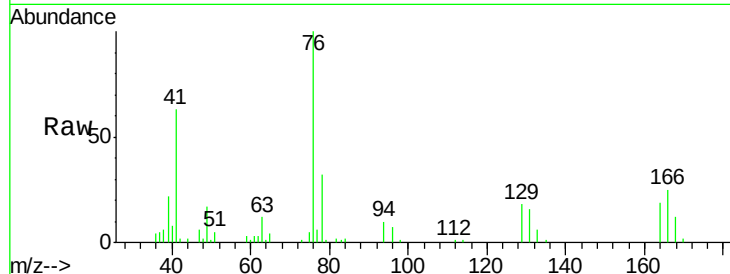




#53
 1,3-Dichloropropane
 Concen: 2.01 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

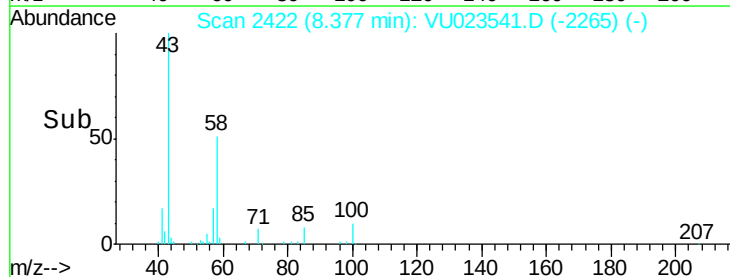
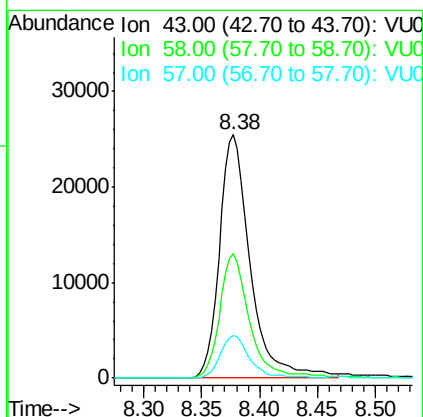
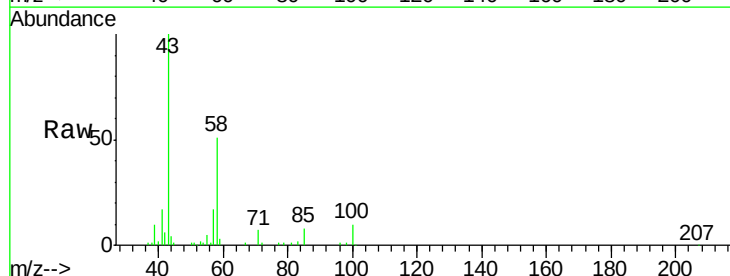
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

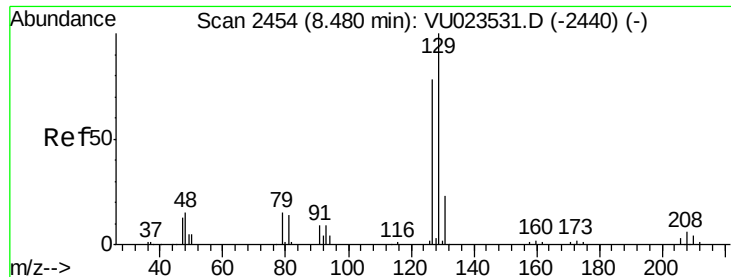
Tgt Ion: 76 Resp: 31771
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.7 38.5



#54
 2-Hexanone
 Concen: 9.32 ug/l
 RT: 8.38 min Scan# 2422
 Delta R.T. 0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion: 43 Resp: 46884
 Ion Ratio Lower Upper
 43 100
 58 49.7 32.5 72.5
 57 16.6 0.0 37.9





#55

Dibromochloromethane

Concen: 1.96 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

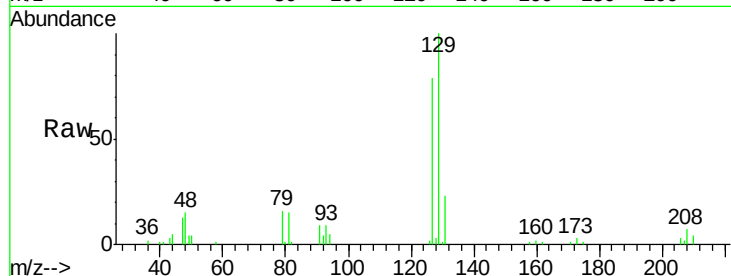
VU0430WBS01

Tgt Ion:129 Resp: 19089

Ion Ratio Lower Upper

129 100

127 78.1 61.1 91.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

12000

10000

8000

6000

4000

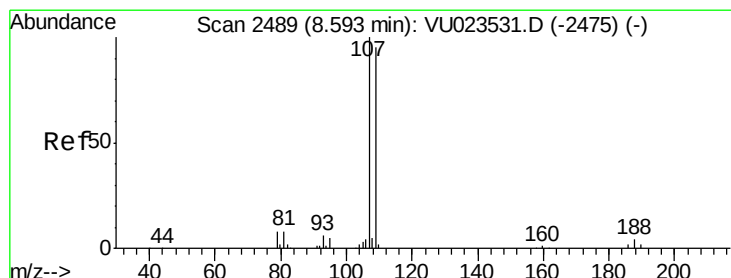
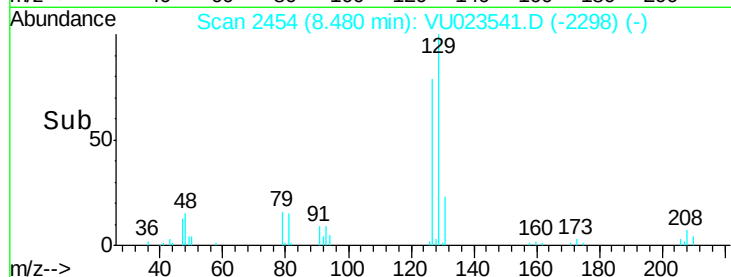
2000

0

8.48

8.45 8.50 8.55

Time-->



#56

1,2-Dibromoethane

Concen: 2.02 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. -0.00 min

Lab File: VU023541.D

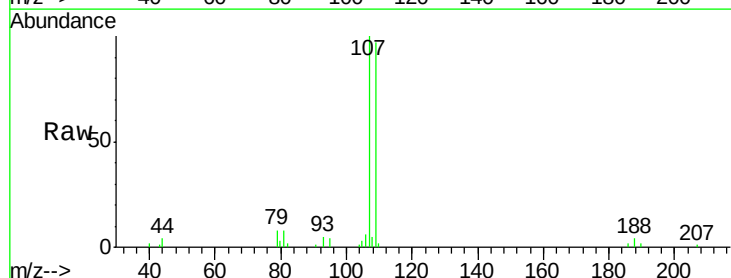
Acq: 30 Apr 2018 21:56

Tgt Ion:107 Resp: 15435

Ion Ratio Lower Upper

107 100

109 93.8 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10000

8000

6000

4000

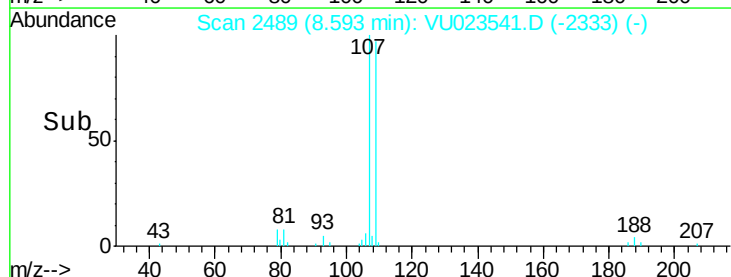
2000

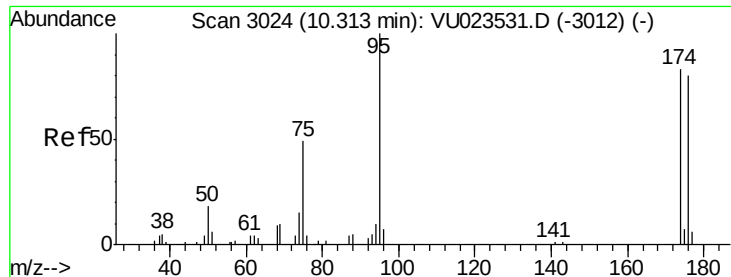
0

8.59

8.55 8.60 8.65

Time-->

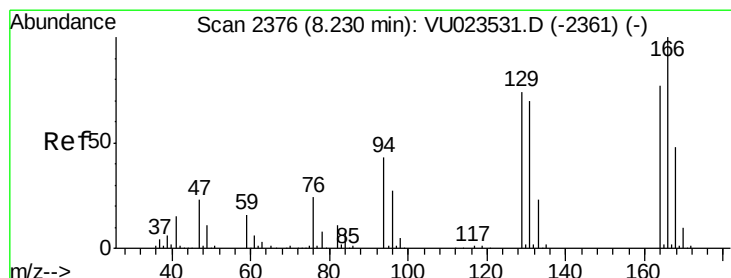
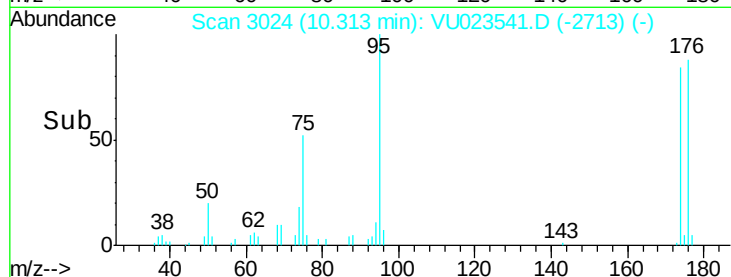
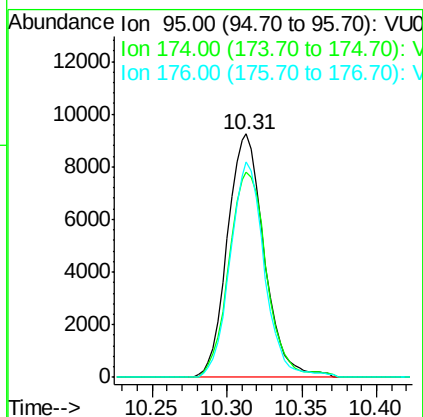
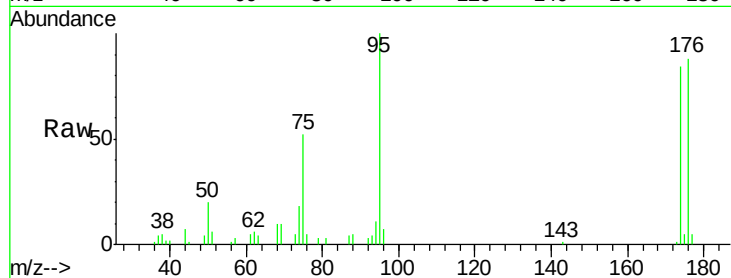




#57
4-Bromofluorobenzene
Concen: 2.02 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

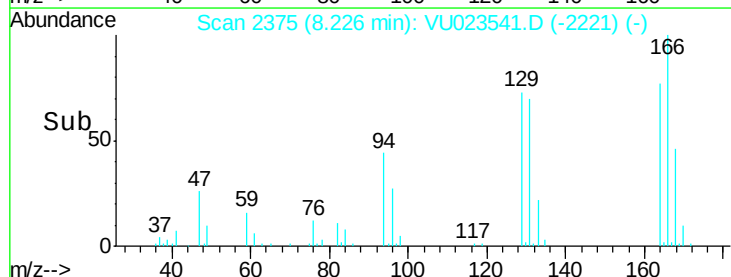
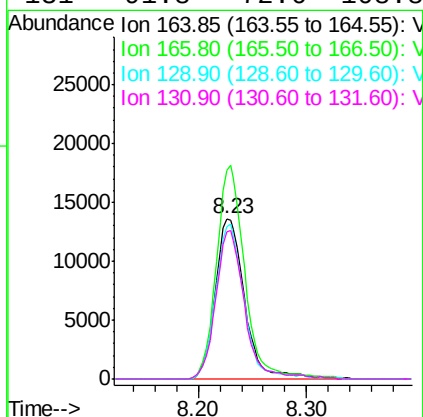
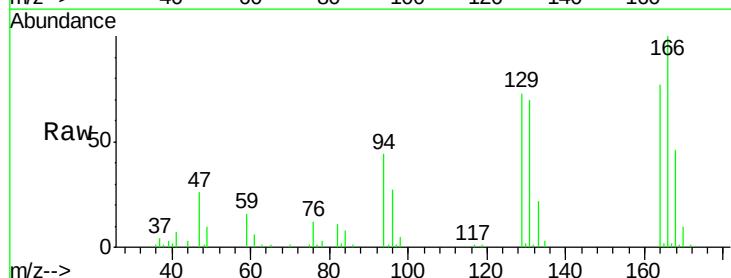
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

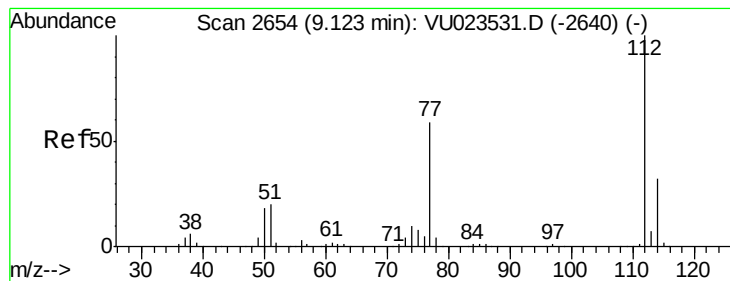
Tgt Ion: 95 Resp: 15818
Ion Ratio Lower Upper
95 100
174 86.5 65.6 98.4
176 82.5 62.0 93.0



#58
Tetrachloroethene
Concen: 1.99 ug/l
RT: 8.23 min Scan# 2375
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion: 164 Resp: 25808
Ion Ratio Lower Upper
164 100
166 130.4 104.1 156.1
129 94.8 76.8 115.2
131 91.8 72.6 108.8





#59

Chlorobenzene

Concen: 1.99 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

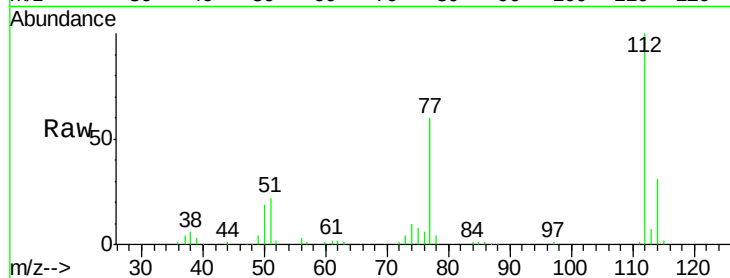
VU0430WBS01

Tgt Ion:112 Resp: 65042

Ion Ratio Lower Upper

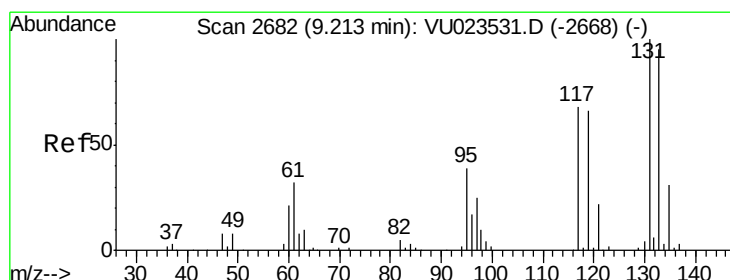
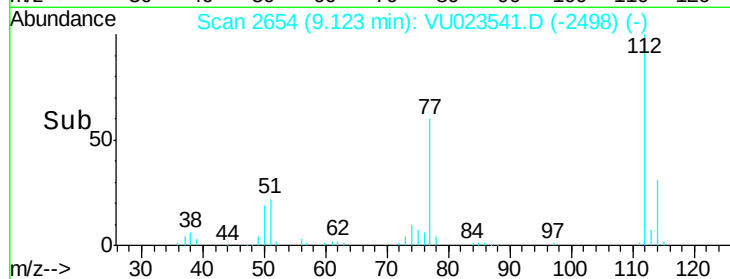
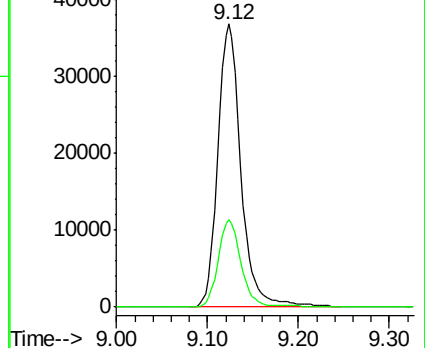
112 100

114 30.9 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: 1.88 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

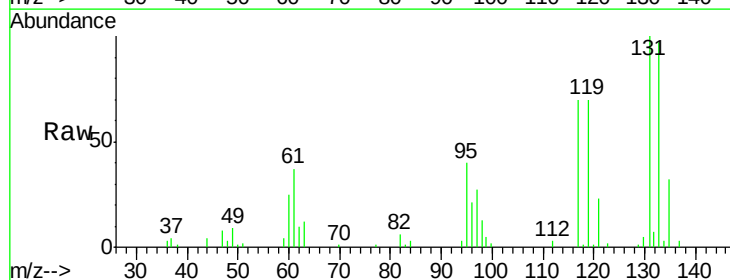
Tgt Ion:131 Resp: 20887

Ion Ratio Lower Upper

131 100

133 97.8 75.8 113.8

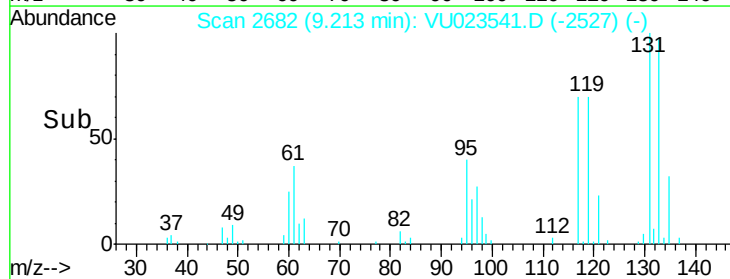
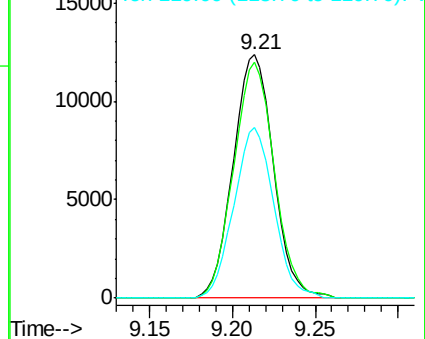
119 69.4 53.0 79.6

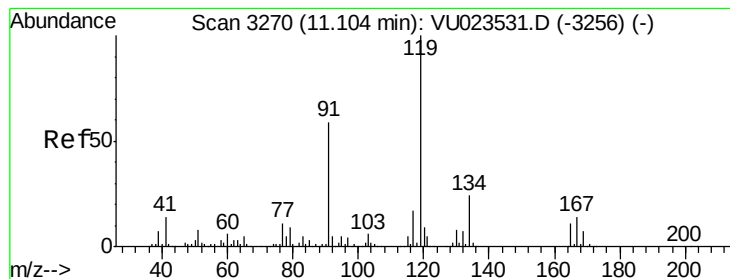


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 2.15 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

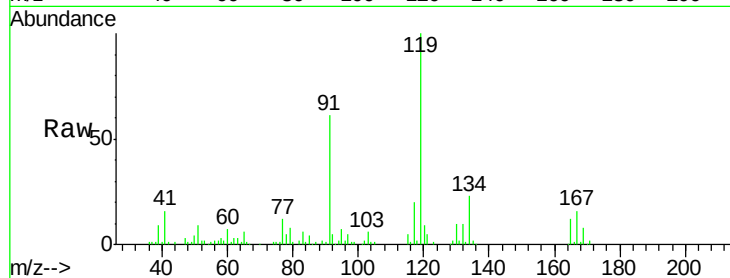
VU0430WBS01

Tgt Ion:117 Resp: 17004

Ion Ratio Lower Upper

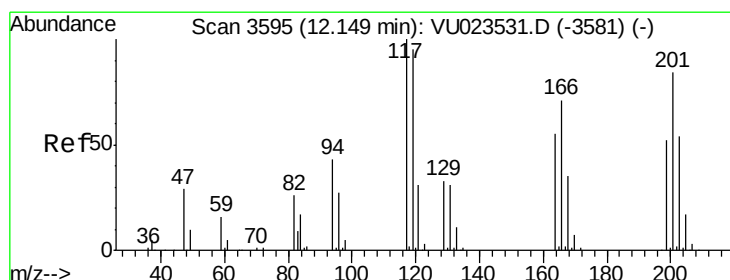
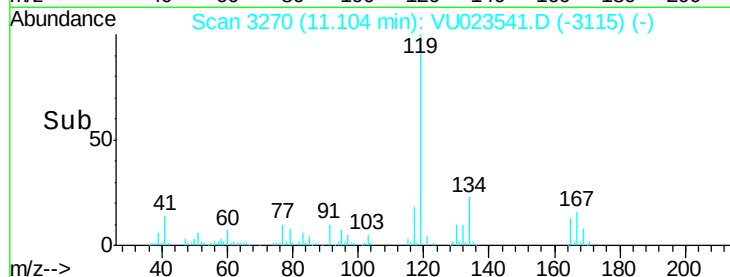
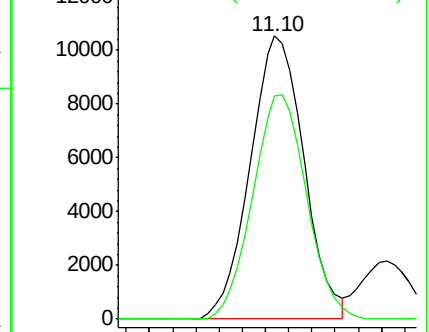
117 100

167 79.3 69.2 103.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 2.06 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU023541.D

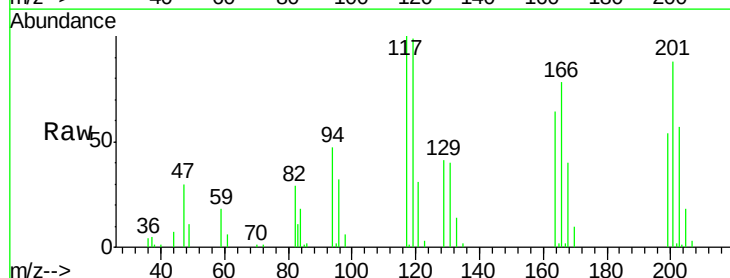
Acq: 30 Apr 2018 21:56

Tgt Ion:117 Resp: 15608

Ion Ratio Lower Upper

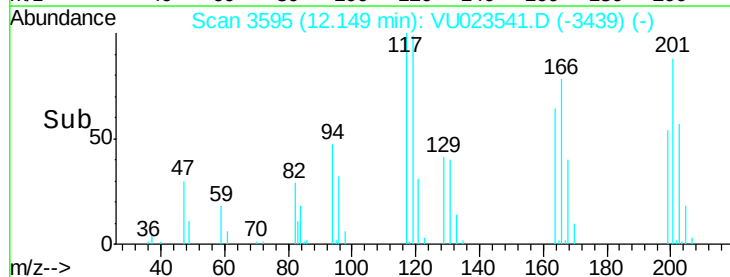
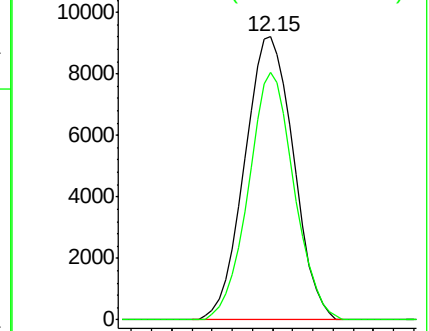
117 100

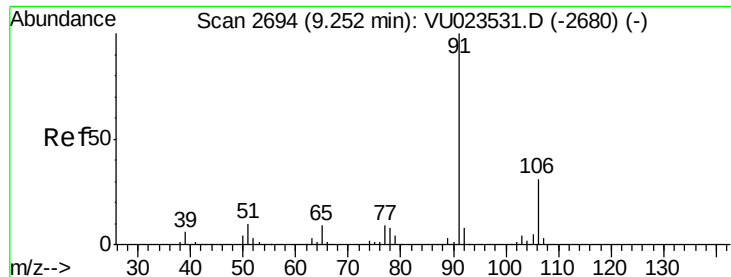
201 81.6 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 1.86 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

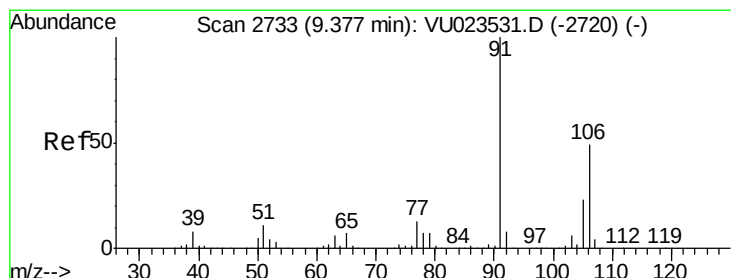
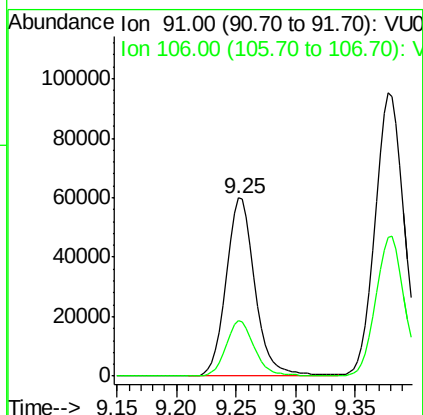
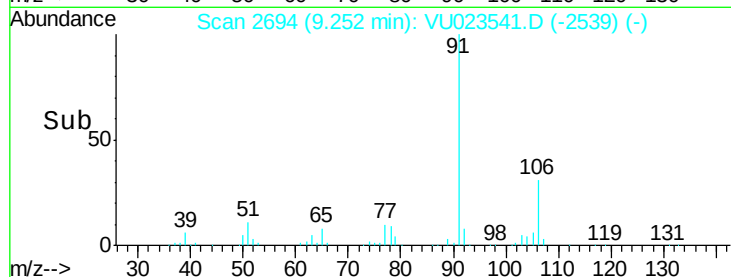
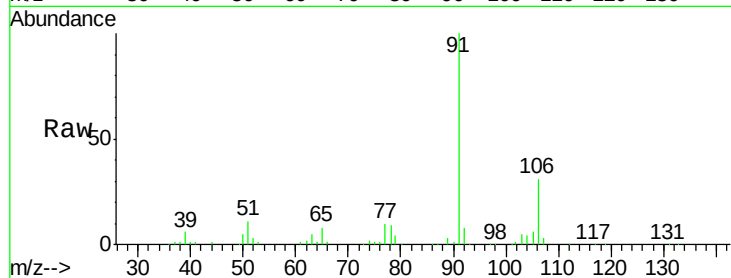
VU0430WBS01

Tgt Ion: 91 Resp: 101104

Ion Ratio Lower Upper

91 100

106 31.3 24.7 37.1



#64

m/p-Xylenes

Concen: 3.79 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU023541.D

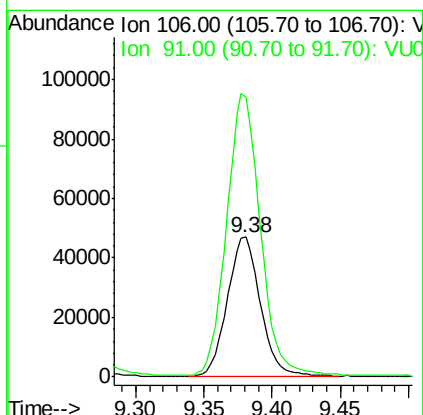
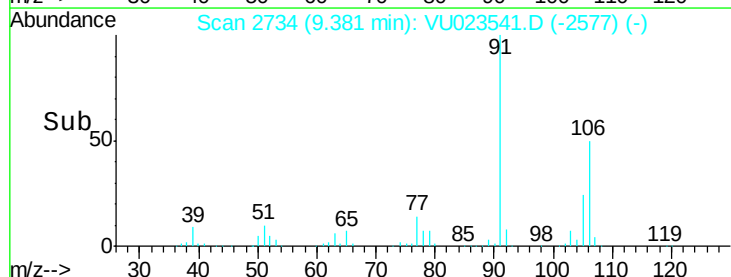
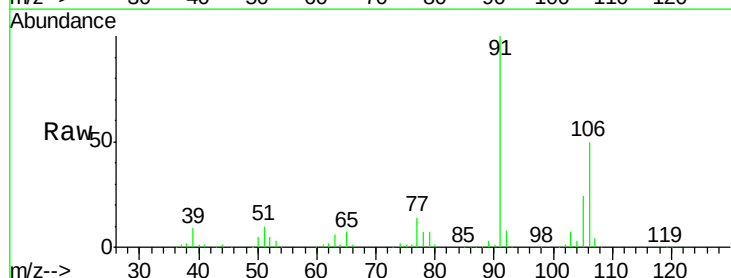
Acq: 30 Apr 2018 21:56

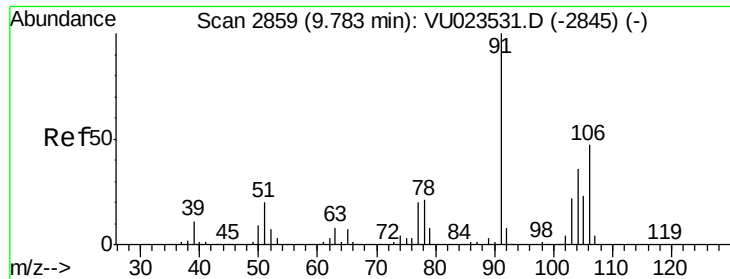
Tgt Ion: 106 Resp: 79511

Ion Ratio Lower Upper

106 100

91 205.2 164.1 246.1

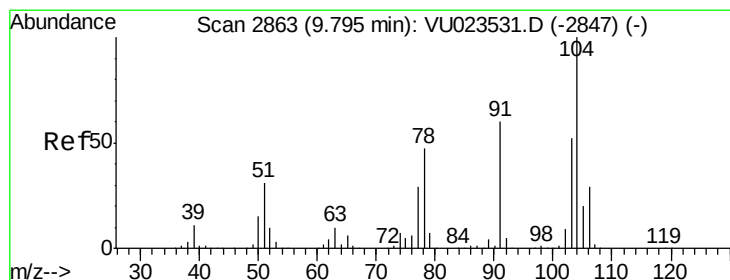
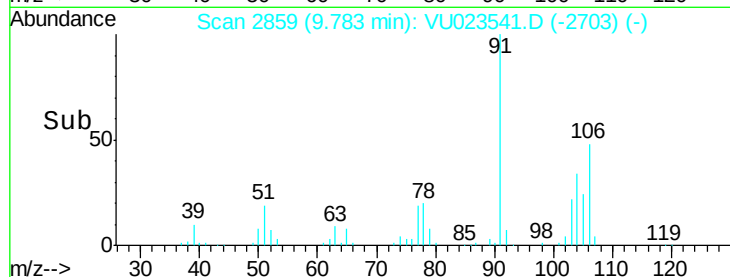
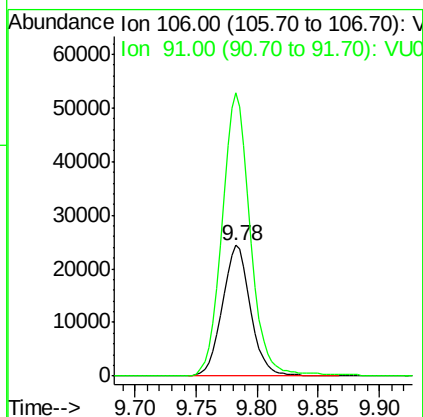
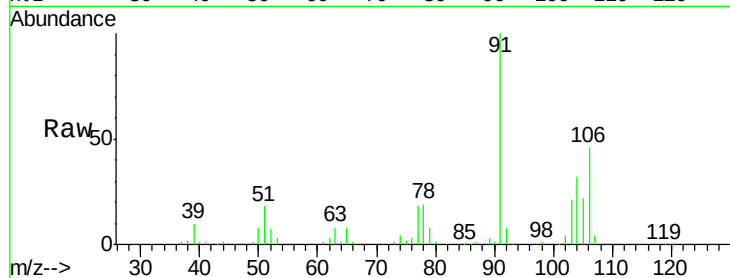




#65
o-Xylene
Concen: 1.96 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

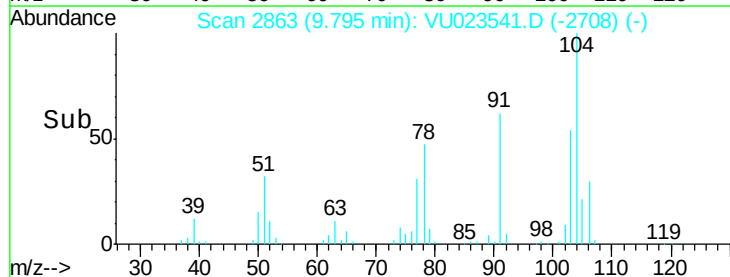
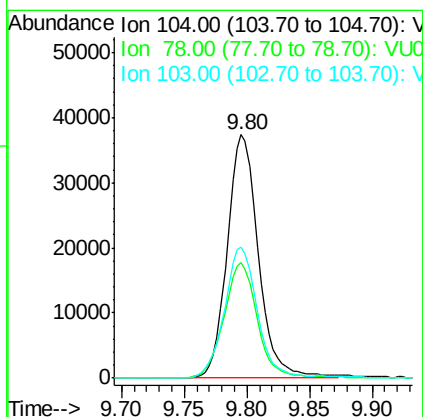
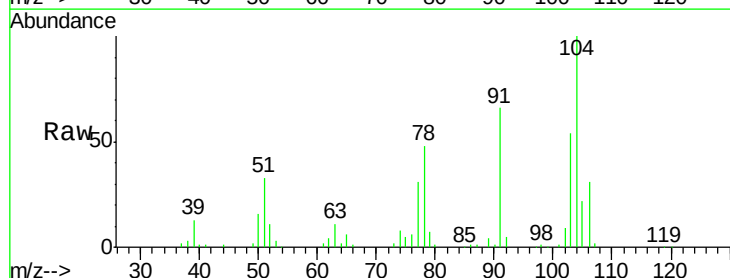
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

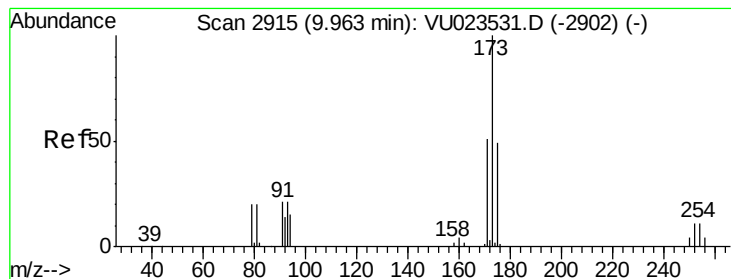
Tgt Ion:106 Resp: 39560
Ion Ratio Lower Upper
106 100
91 218.1 107.9 323.7



#66
Styrene
Concen: 1.94 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion:104 Resp: 64550
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.2
103 56.4 44.2 66.4





#67

Bromoform

Concen: 1.95 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

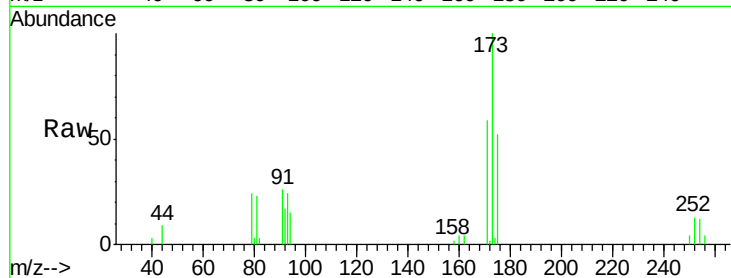
Tgt Ion:173 Resp: 9915

Ion Ratio Lower Upper

173 100

175 50.4 38.6 57.8

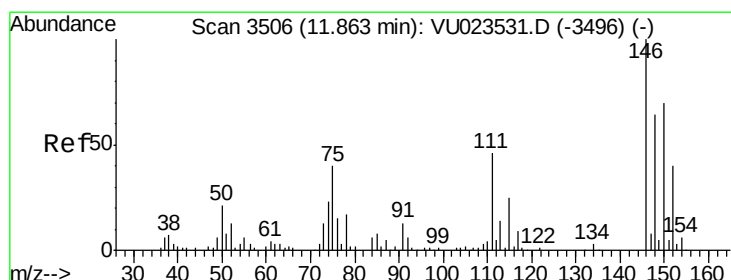
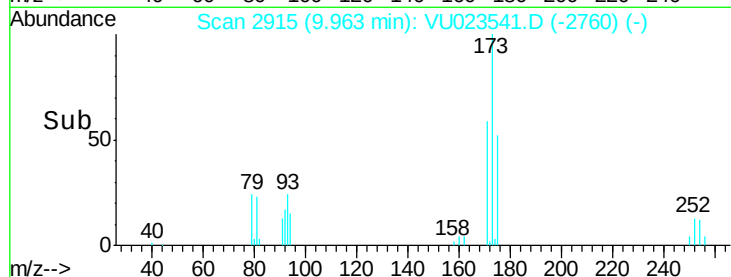
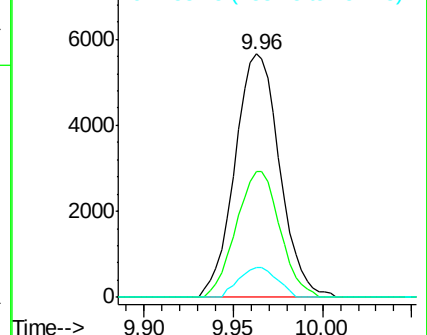
254 10.3 8.8 13.2



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: 1.95 ug/l

RT: 11.86 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

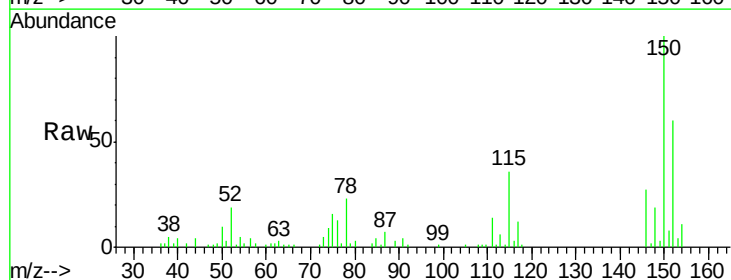
Tgt Ion:152 Resp: 15603

Ion Ratio Lower Upper

152 100

115 82.4 0.0 118.8

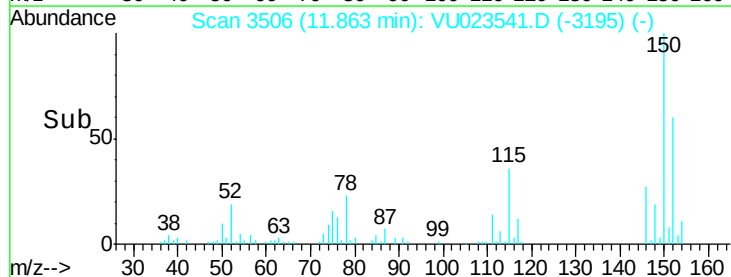
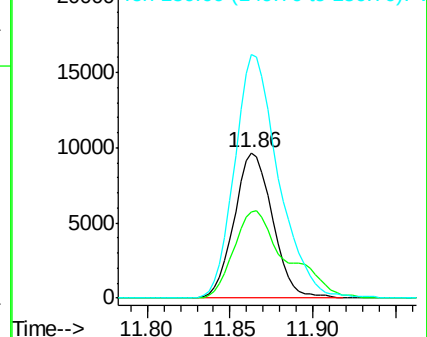
150 191.5 0.0 0.0#

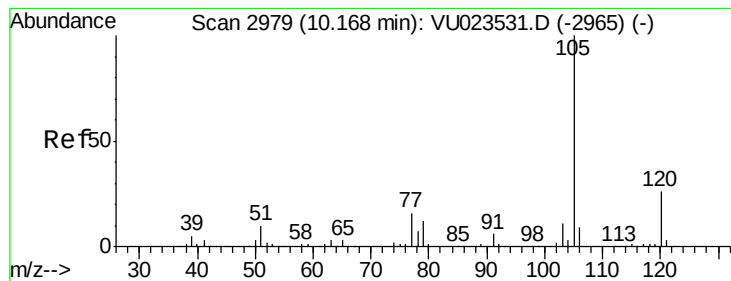


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.93 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

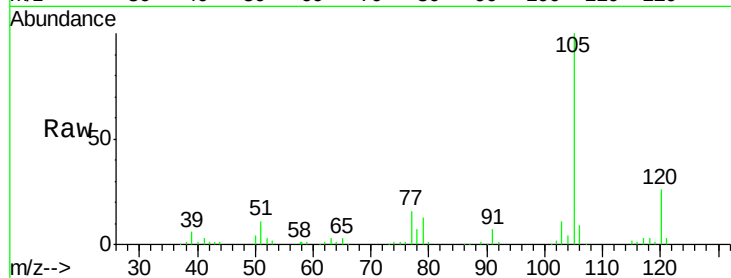
VU0430WBS01

Tgt Ion:105 Resp: 100636

Ion Ratio Lower Upper

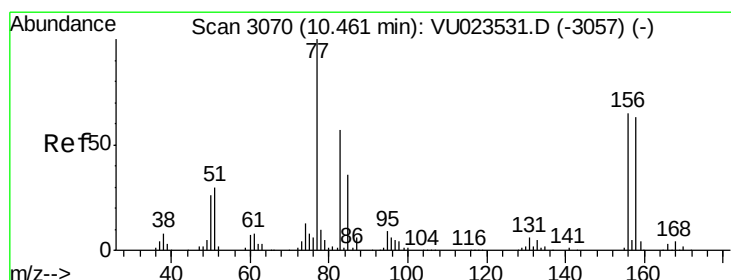
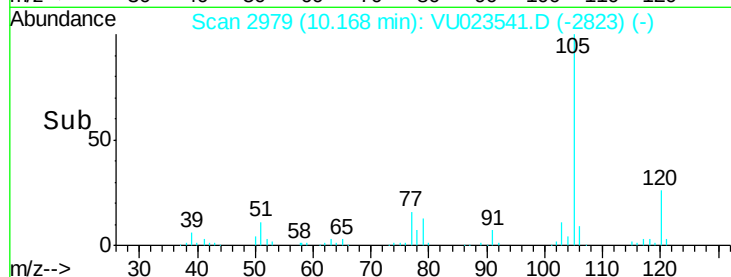
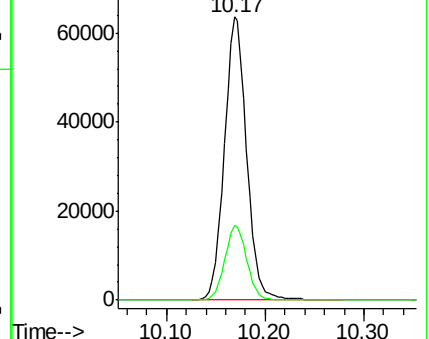
105 100

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: 2.17 ug/l

RT: 10.46 min Scan# 3071

Delta R.T. 0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

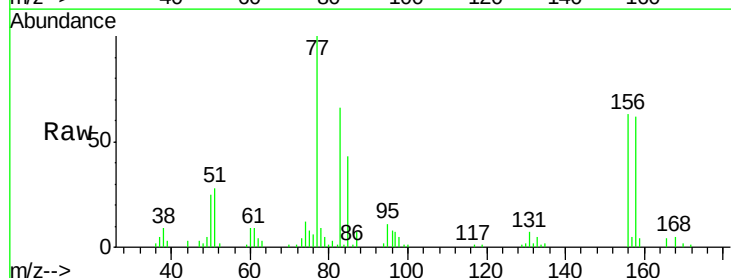
Tgt Ion: 83 Resp: 21736

Ion Ratio Lower Upper

83 100

131 10.1 7.9 11.9

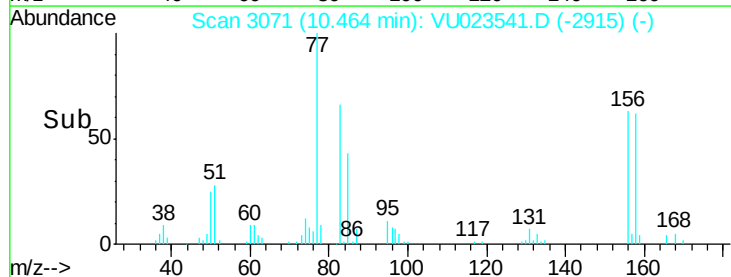
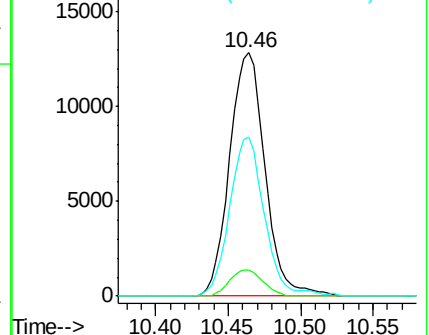
85 64.1 51.8 77.6

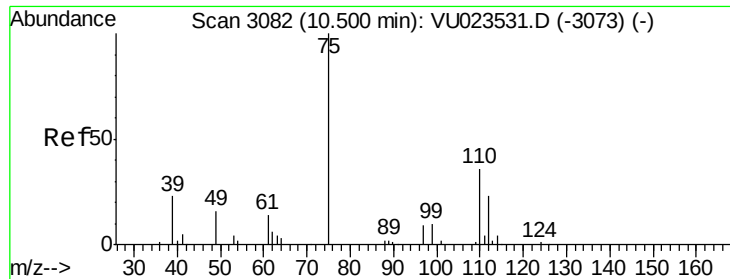


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 3.42 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tgt Ion: 75 Resp: 24535

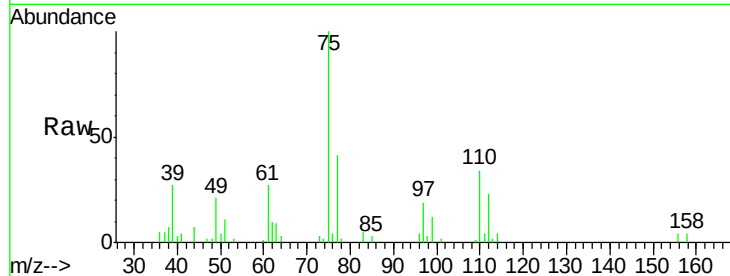
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 22.0 0.0 74.0

97 11.5 0.0 39.6

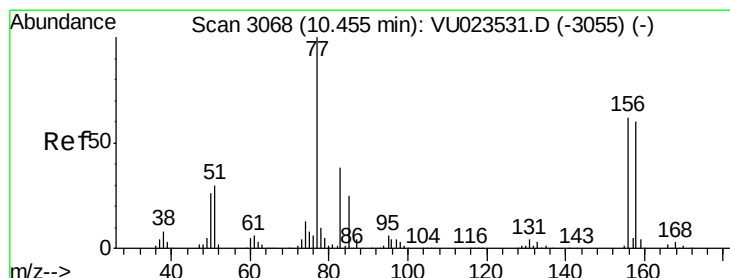
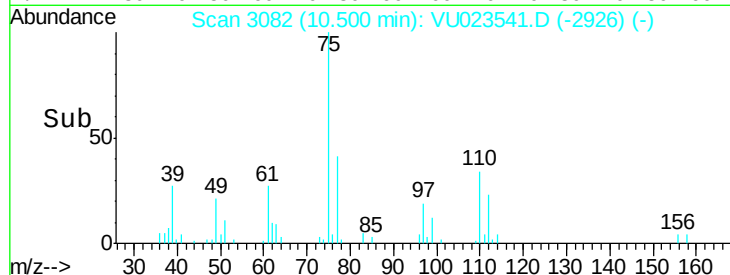
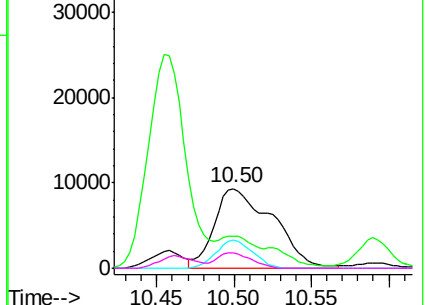


Abundance Ion 75.00 (74.70 to 75.70): VU023531.D (-3073) (-)

Ion 77.00 (76.70 to 77.70): VU023531.D (-3073) (-)

Ion 110.00 (109.70 to 110.70): VU023531.D (-3073) (-)

Ion 97.00 (96.70 to 97.70): VU023531.D (-3073) (-)



#72

Bromobenzene

Concen: 2.05 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

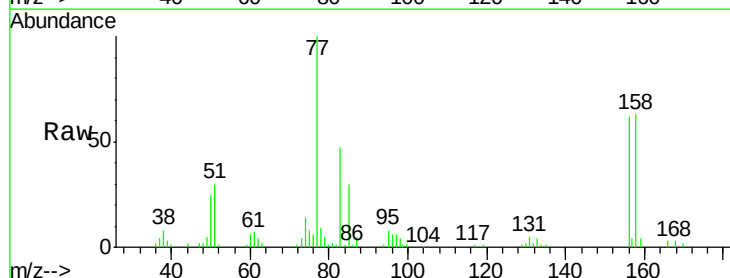
Tgt Ion: 156 Resp: 26552

Ion Ratio Lower Upper

156 100

77 160.3 0.0 309.8

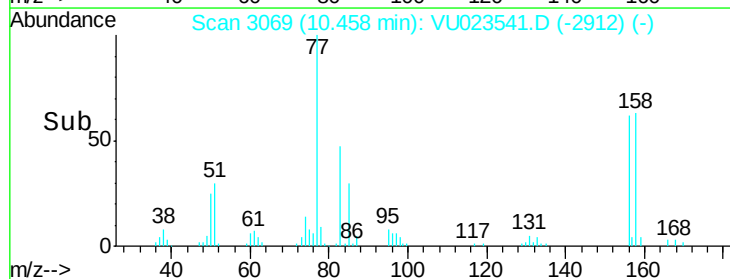
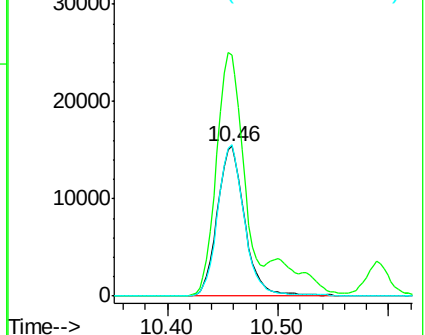
158 97.8 0.0 193.0

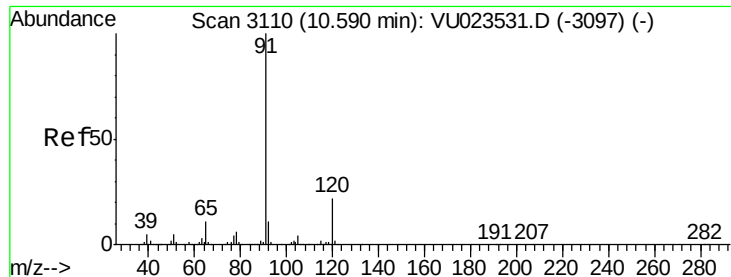


Abundance Ion 156.00 (155.70 to 156.70): VU023531.D (-3055) (-)

Ion 77.00 (76.70 to 77.70): VU023531.D (-3055) (-)

Ion 158.00 (157.70 to 158.70): VU023531.D (-3055) (-)





#73

n-propylbenzene

Concen: 1.97 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

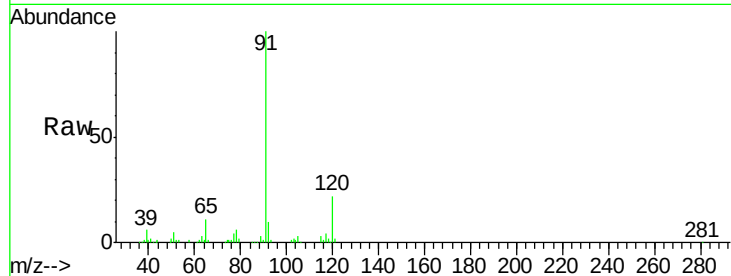
VU0430WBS01

Tgt Ion:120 Resp: 28362

Ion Ratio Lower Upper

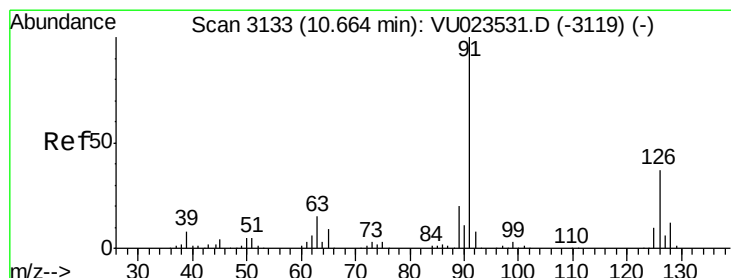
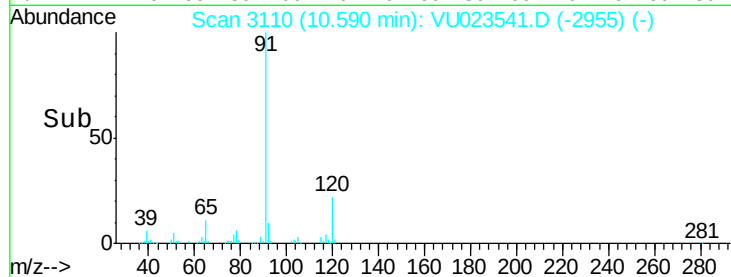
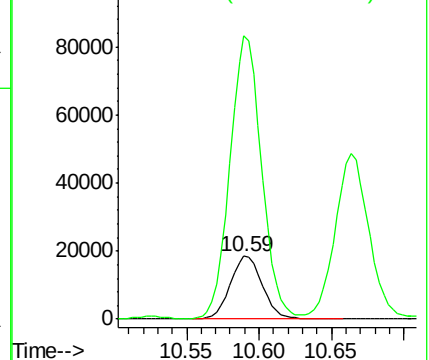
120 100

91 441.6 352.2 528.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 2.00 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU023541.D

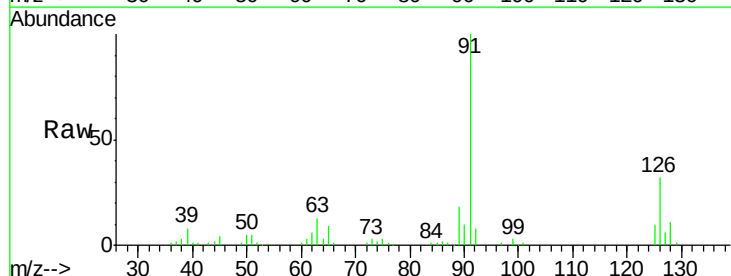
Acq: 30 Apr 2018 21:56

Tgt Ion:126 Resp: 25454

Ion Ratio Lower Upper

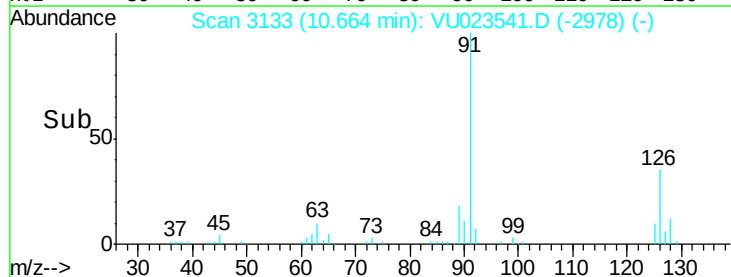
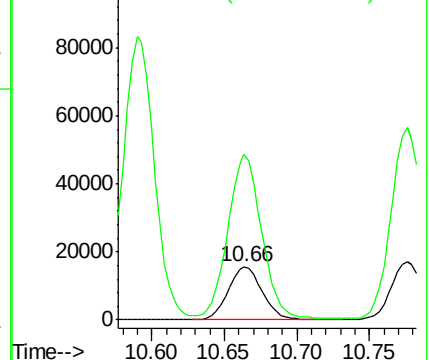
126 100

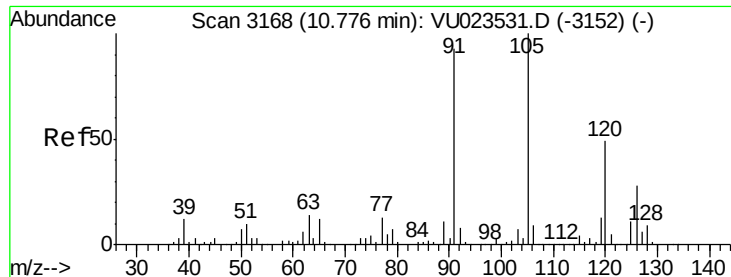
91 309.8 0.0 613.0



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: 1.99 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

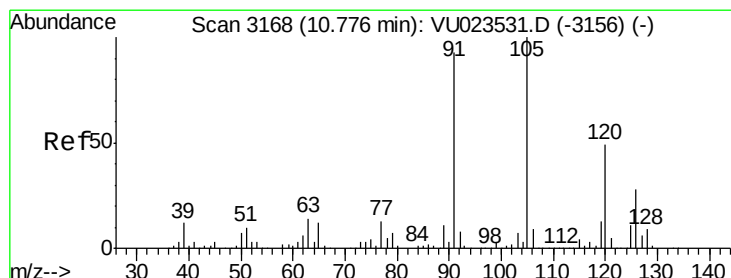
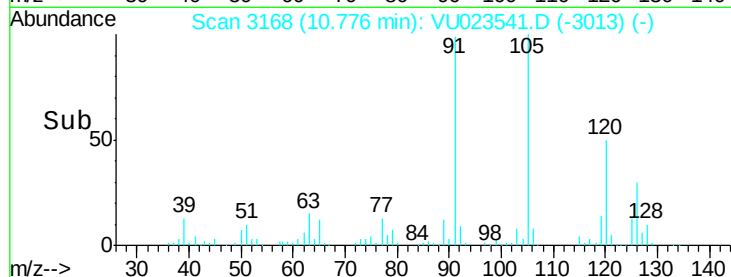
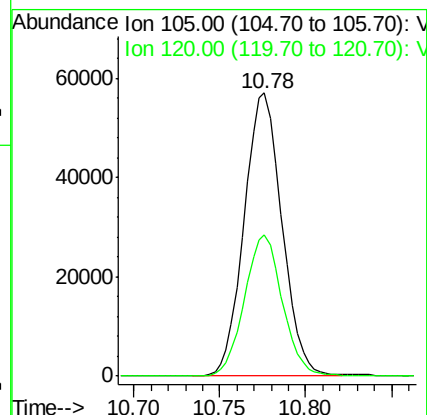
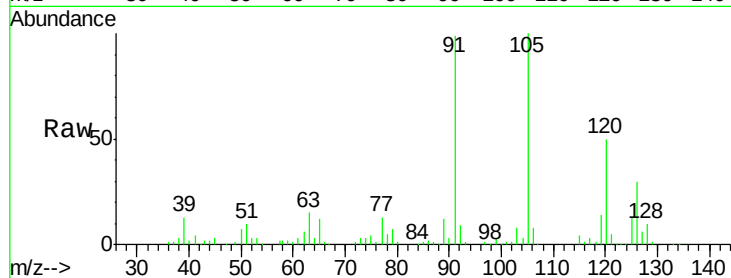
VU0430WBS01

Tgt Ion:105 Resp: 87267

Ion Ratio Lower Upper

105 100

120 49.8 39.0 58.6



#76

4-Chlorotoluene

Concen: 2.03 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU023541.D

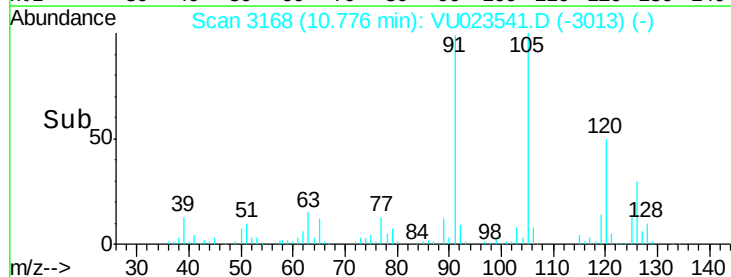
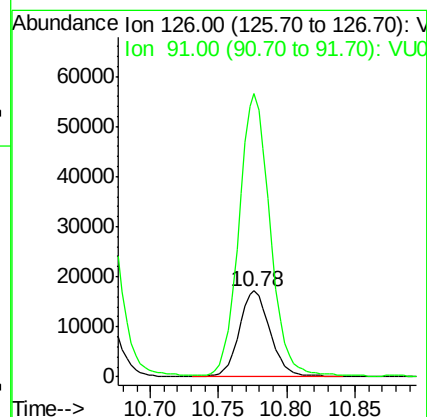
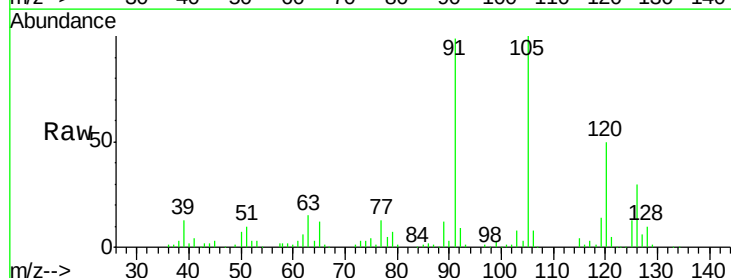
Acq: 30 Apr 2018 21:56

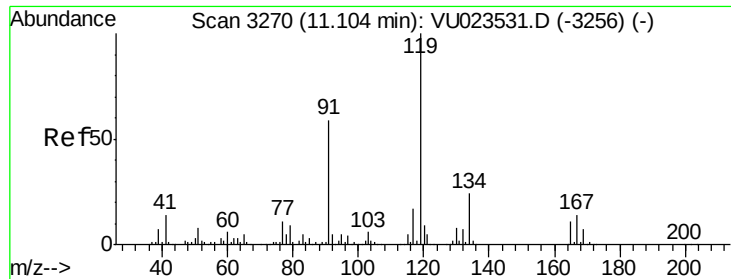
Tgt Ion:126 Resp: 26774

Ion Ratio Lower Upper

126 100

91 332.5 0.0 667.2

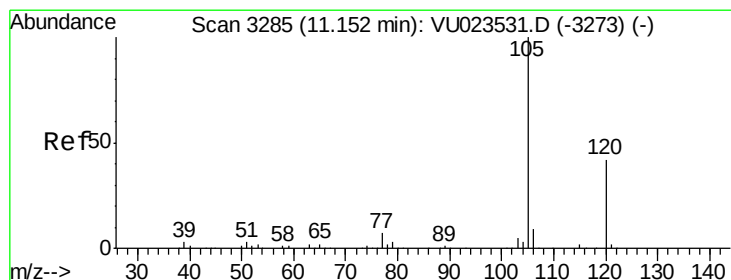
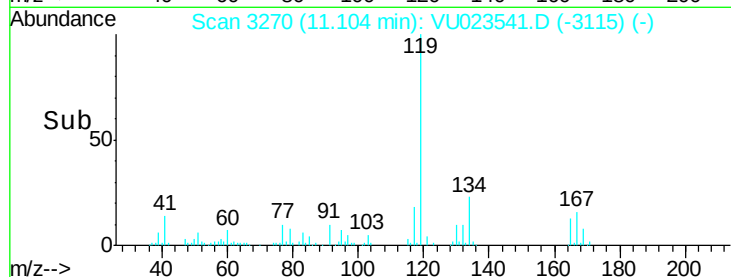
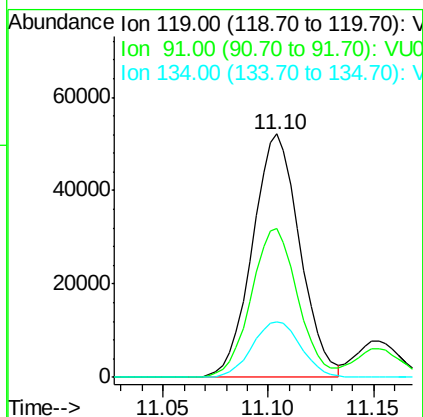
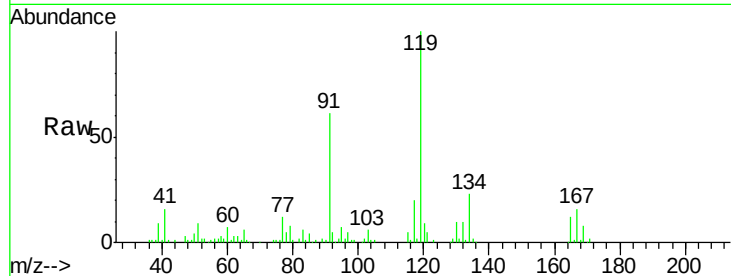




#77
 tert-Butylbenzene
 Concen: 1.98 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

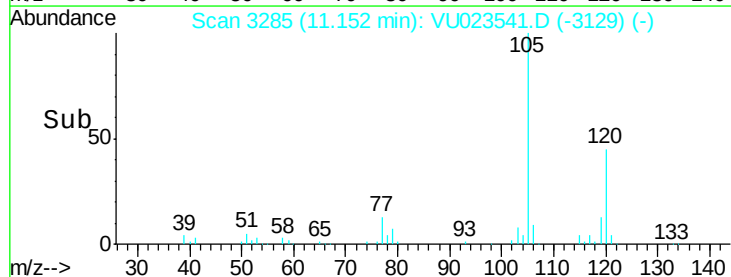
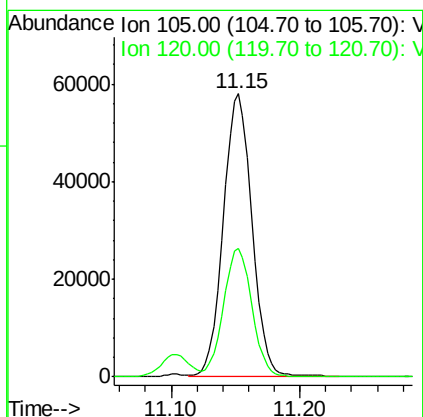
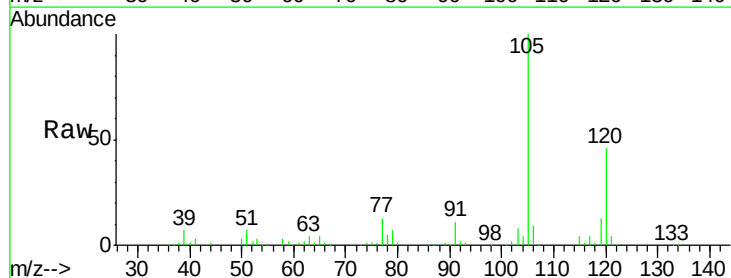
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

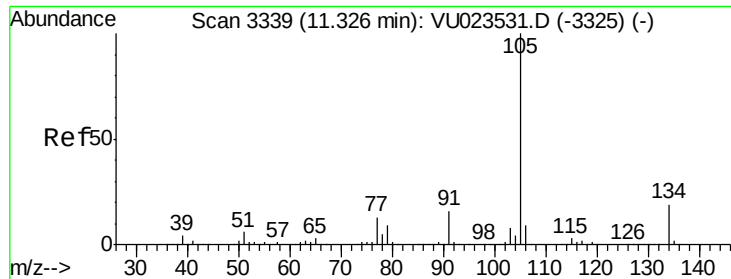
Tgt Ion:119 Resp: 81452
 Ion Ratio Lower Upper
 119 100
 91 60.7 29.6 88.8
 134 23.5 19.1 28.7



#78
 1,2,4-Trimethylbenzene
 Concen: 2.01 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion:105 Resp: 88813
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.1 69.3





#79

sec-Butylbenzene

Concen: 2.01 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

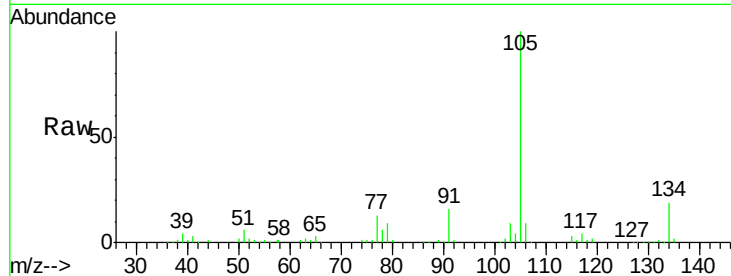
VU0430WBS01

Tgt Ion: 105 Resp: 115913

Ion Ratio Lower Upper

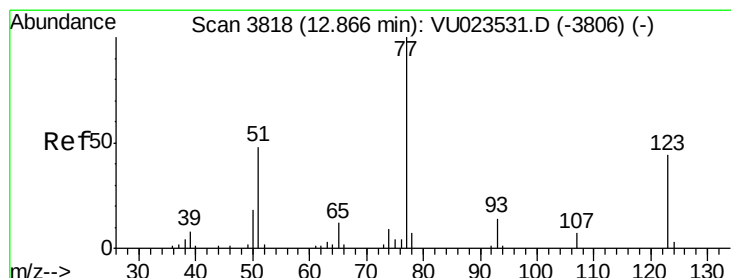
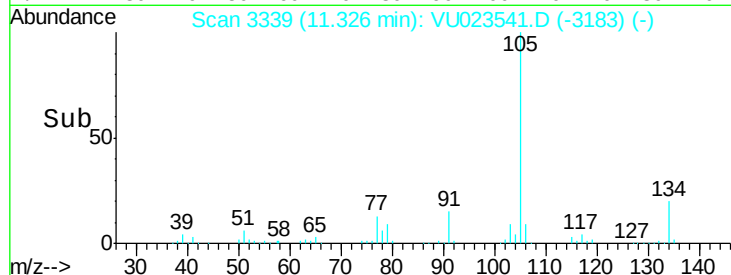
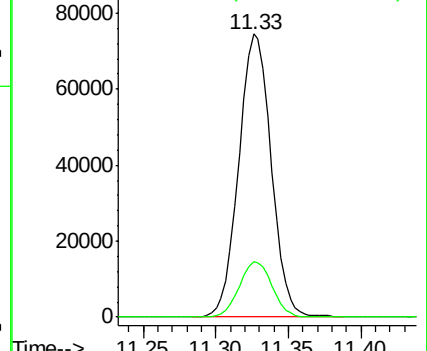
105 100

134 19.8 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: 10.53 ug/l

RT: 12.87 min Scan# 3820

Delta R.T. 0.01 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

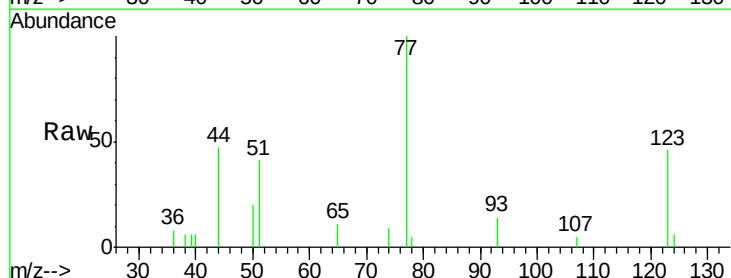
Tgt Ion: 77 Resp: 3545

Ion Ratio Lower Upper

77 100

123 43.1 19.4 68.6

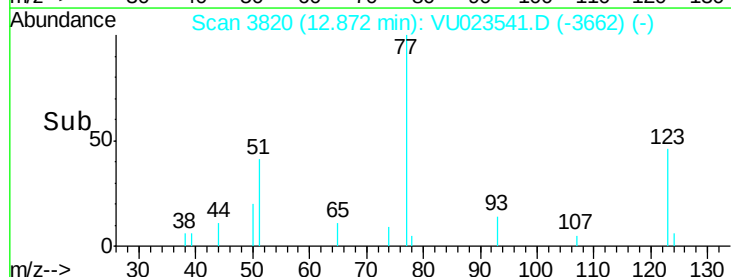
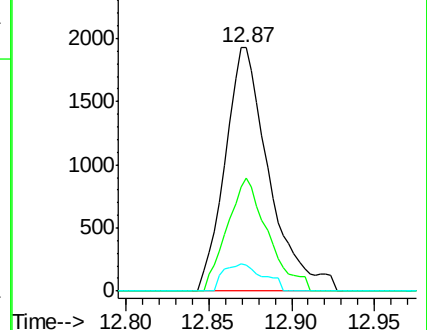
65 10.1 11.2 14.2#

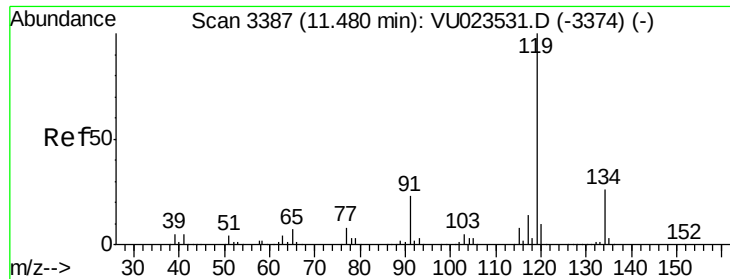


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

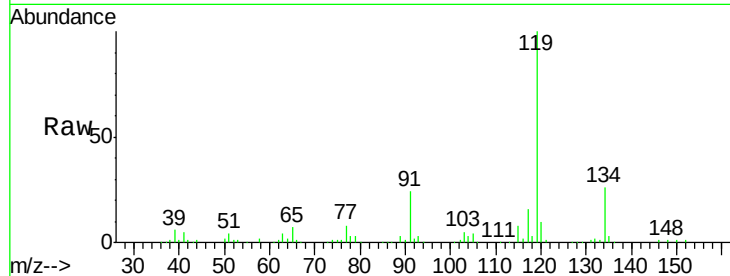




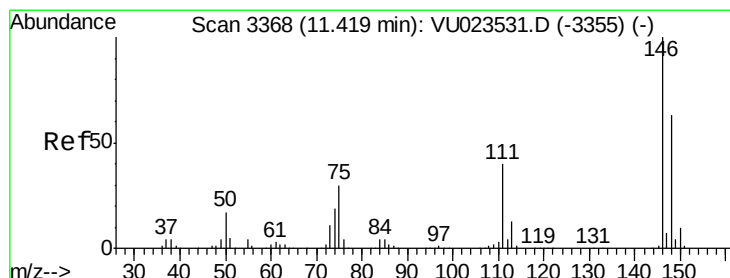
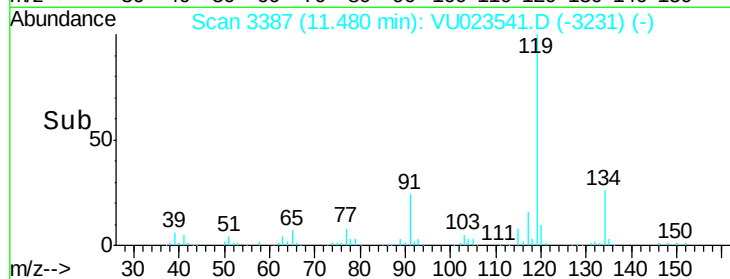
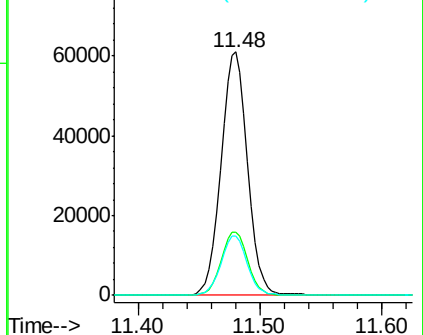
#81
 p-Isopropyltoluene
 Concen: 1.97 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

Tgt Ion:119 Resp: 93284
 Ion Ratio Lower Upper
 119 100
 134 26.3 20.9 31.3
 91 24.4 18.2 27.2

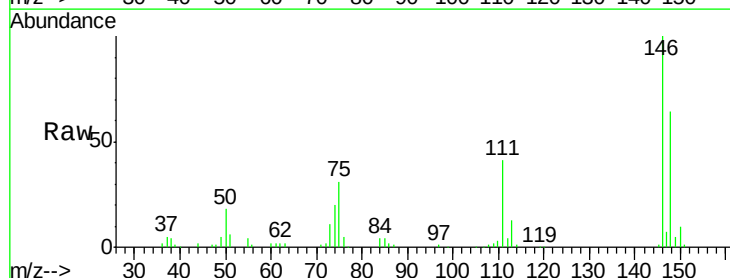


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

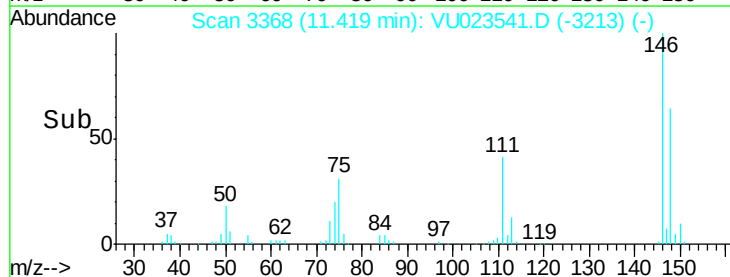
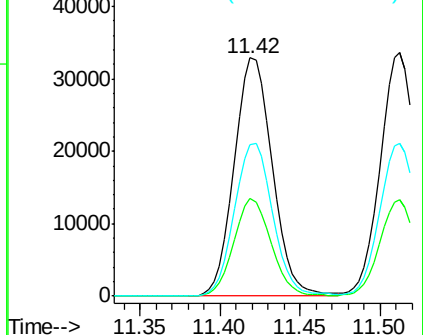


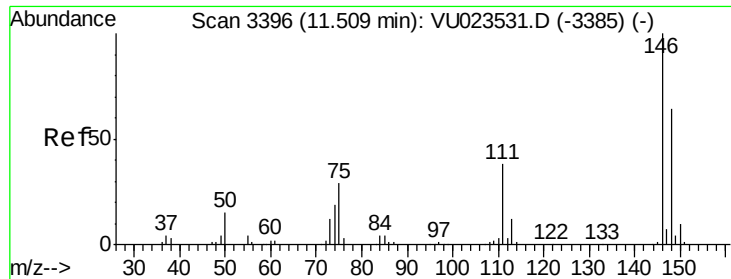
#82
 1,3-Dichlorobenzene
 Concen: 2.07 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion:146 Resp: 53541
 Ion Ratio Lower Upper
 146 100
 111 40.1 31.8 47.6
 148 64.3 51.0 76.4



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

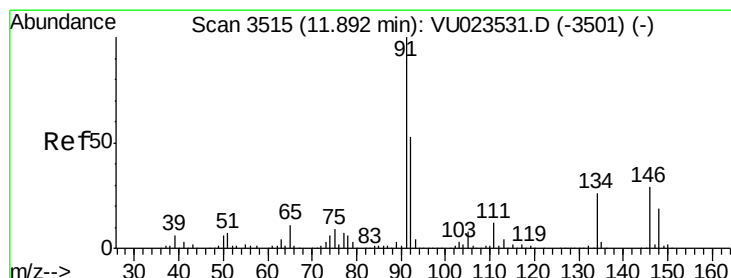
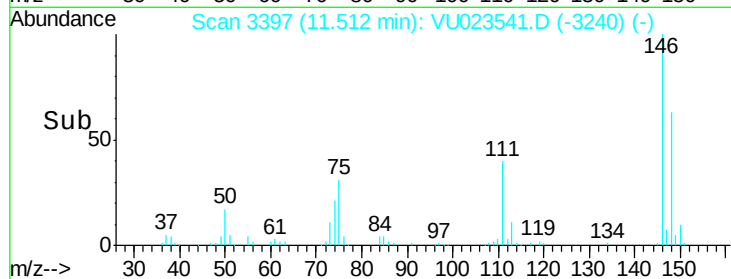
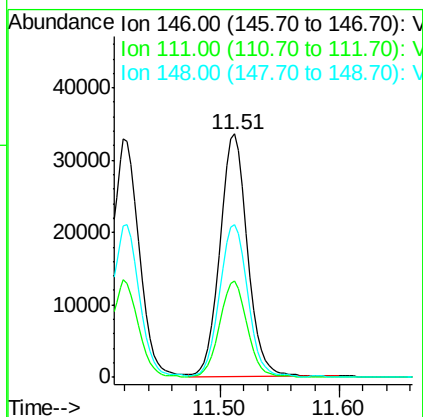
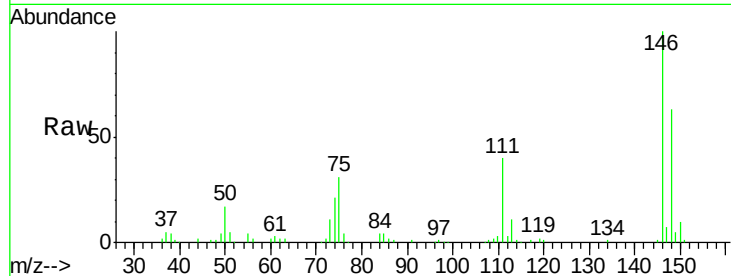




#83
 1,4-Dichlorobenzene
 Concen: 2.09 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

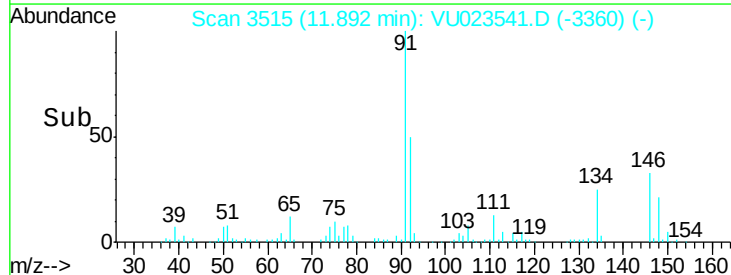
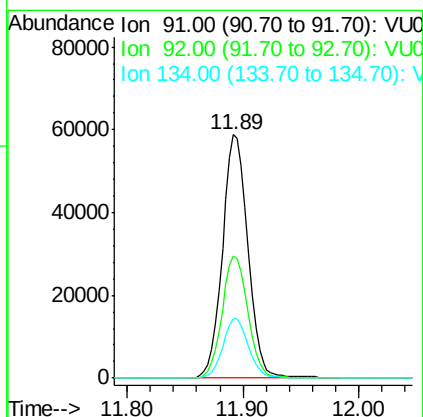
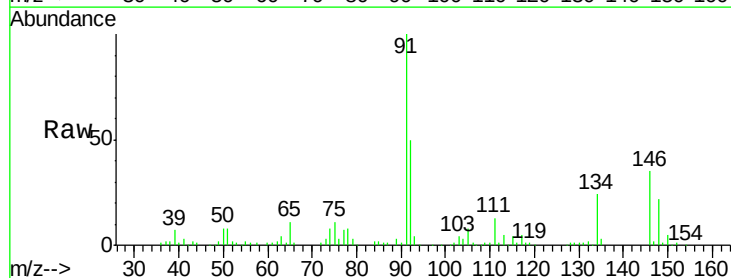
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

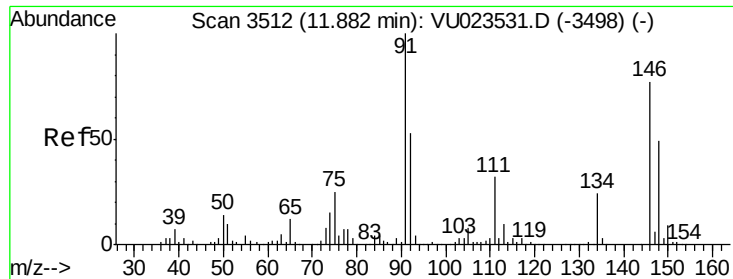
Tgt Ion: 146 Resp: 53950
 Ion Ratio Lower Upper
 146 100
 111 39.9 30.1 45.1
 148 63.8 50.6 76.0



#84
 n-Butylbenzene
 Concen: 1.95 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion: 91 Resp: 89847
 Ion Ratio Lower Upper
 91 100
 92 50.7 42.2 63.2
 134 24.5 20.3 30.5

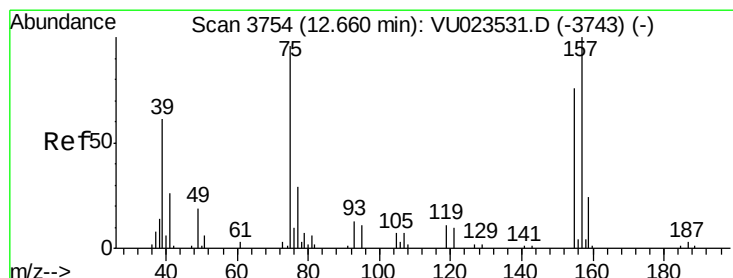
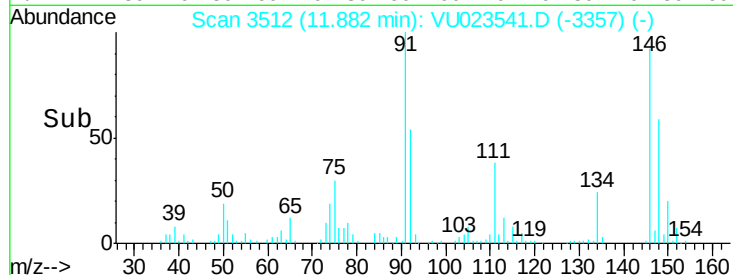
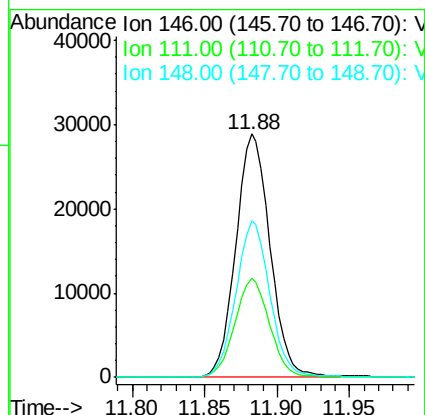
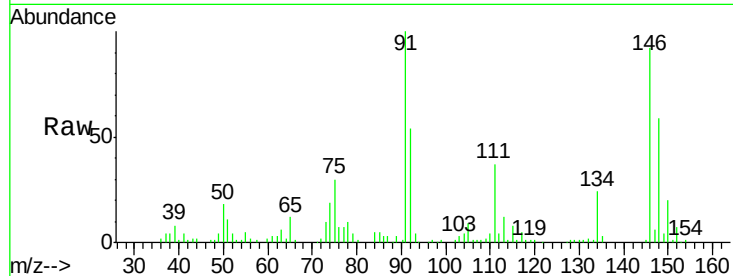




#85
 1,2-Dichlorobenzene
 Concen: 2.03 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

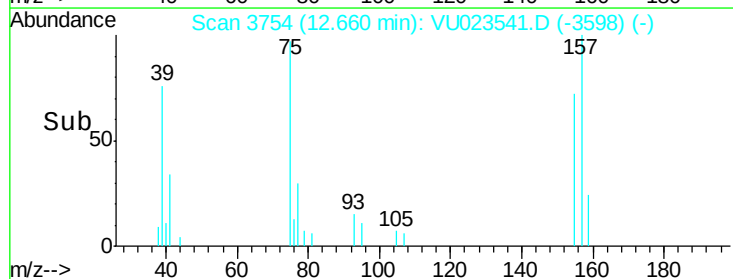
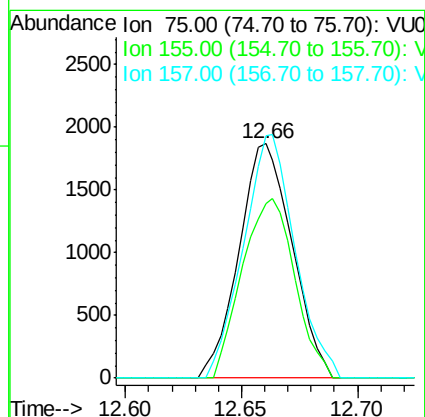
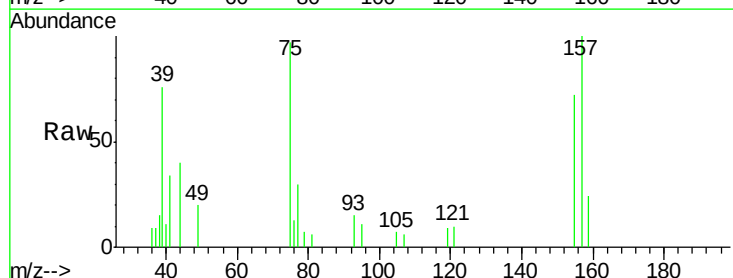
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

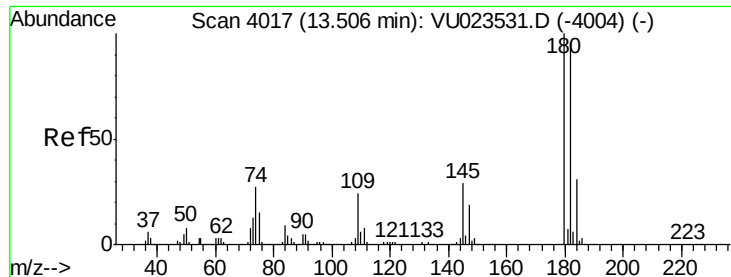
Tgt Ion: 146 Resp: 47367
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.7 62.1
 148 63.8 31.9 95.5



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.10 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion: 75 Resp: 2973
 Ion Ratio Lower Upper
 75 100
 155 75.9 65.8 98.6
 157 100.8 83.5 125.3

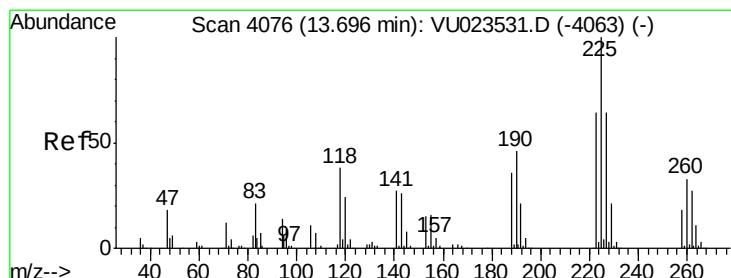
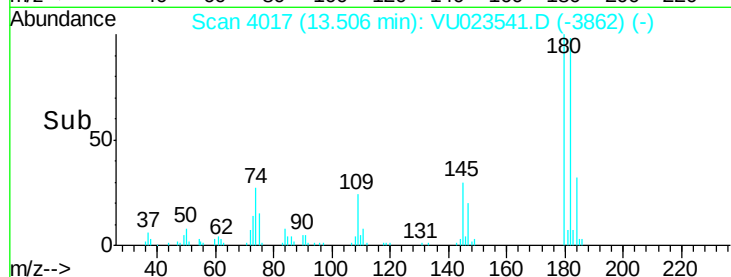
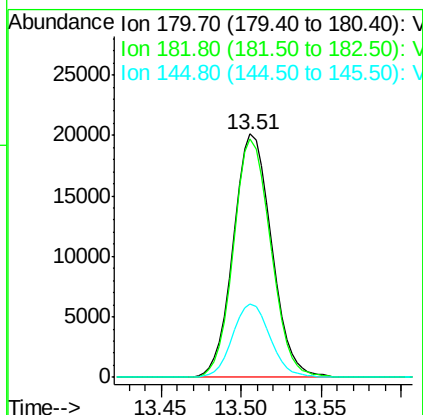
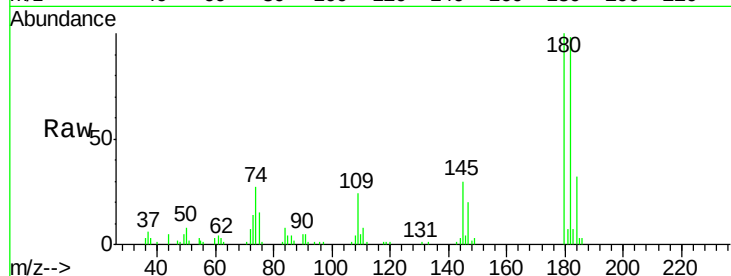




#87
 1,2,4-Trichlorobenzene
 Concen: 1.94 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

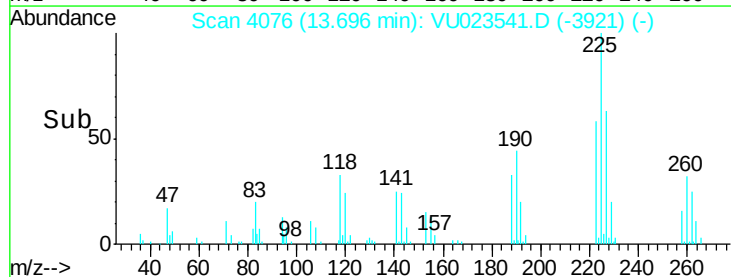
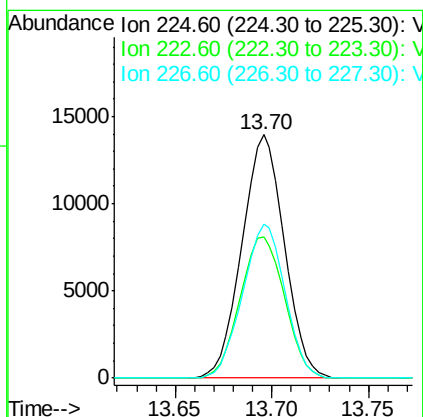
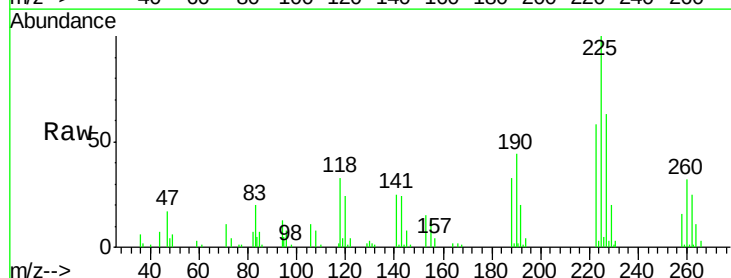
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

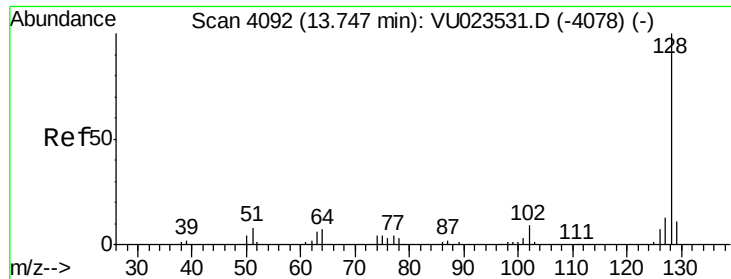
Tgt Ion:180 Resp: 32748
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.1 115.7
 145 29.5 23.3 34.9



#88
 Hexachlorobutadiene
 Concen: 2.08 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion:225 Resp: 21318
 Ion Ratio Lower Upper
 225 100
 223 60.7 50.6 75.8
 227 63.2 51.8 77.6





#89

Naphthalene

Concen: 1.79 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

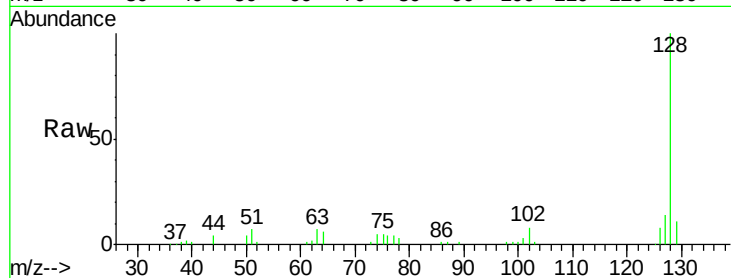
Tgt Ion:128 Resp: 45558

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

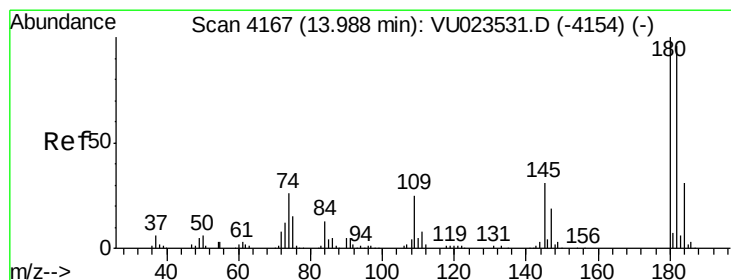
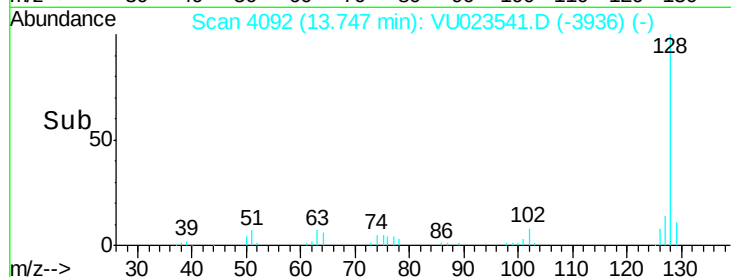
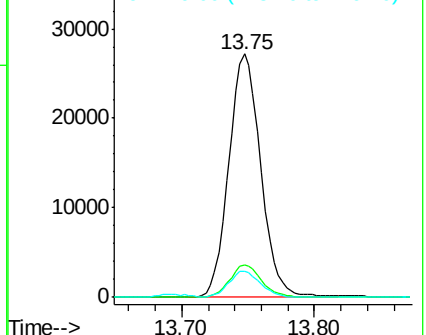
129 10.6 8.7 13.1



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: 1.97 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

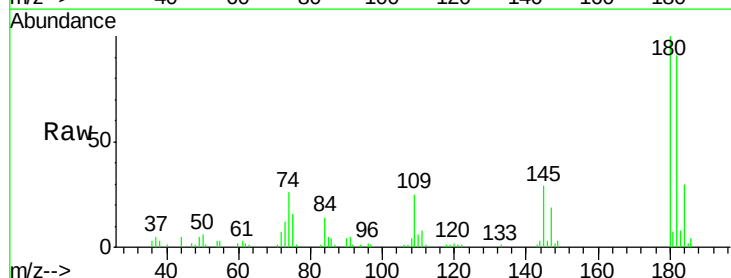
Tgt Ion:180 Resp: 31203

Ion Ratio Lower Upper

180 100

182 91.2 76.8 115.2

145 29.6 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

