

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025344.D
 Acq On : 12 Jul 2018 17:07
 Operator : MD/SY
 Sample : VU0712WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD02

Quant Time: Jul 13 01:11:19 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	165846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	249282	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	231315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	133758	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	125256	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
35) Dibromofluoromethane	4.89	113	103096	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	7.57	98	332987	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
62) 4-Bromofluorobenzene	10.31	95	135138	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	31567	18.39	ug/l	98
3) Chloromethane	1.33	50	31433	18.74	ug/l	99
4) Vinyl Chloride	1.40	62	34536	18.31	ug/l	99
5) Bromomethane	1.62	94	22554	20.24	ug/l	94
6) Chloroethane	1.70	64	24525	20.62	ug/l	99
7) Trichlorofluoromethane	1.89	101	58851	19.85	ug/l	100
8) Diethyl Ether	2.10	74	22910	20.60	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	36702	19.98	ug/l	99
10) Methyl Iodide	2.41	142	34606	21.94	ug/l	98
11) Tert butyl alcohol	2.82	59	59104	105.15	ug/l	99
12) 1,1-Dichloroethene	2.28	96	32328	19.23	ug/l	98
13) Acrolein	2.19	56	17345	46.64	ug/l	95
14) Allyl chloride	2.59	41	57564	18.88	ug/l	98
15) Acrylonitrile	2.94	53	117576	101.74	ug/l	99
16) Acetone	2.32	43	133830	104.67	ug/l	99
17) Carbon Disulfide	2.48	76	77412	17.08	ug/l	99
18) Methyl Acetate	2.62	43	60910	23.09	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	135998	21.27	ug/l	97
20) Methylene Chloride	2.70	84	40441	20.70	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	35638	18.55	ug/l	97
22) Diisopropyl ether	3.57	45	130126	20.90	ug/l	96
23) Vinyl Acetate	3.53	43	555725	101.74	ug/l	99
24) 1,1-Dichloroethane	3.45	63	73058	20.81	ug/l	99
25) 2-Butanone	4.26	43	180335	100.98	ug/l	99
26) 2,2-Dichloropropane	4.23	77	69140	20.48	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	43589	19.61	ug/l	96
28) Bromochloromethane	4.55	49	33877	19.98	ug/l	100
29) Tetrahydrofuran	4.64	42	108401	101.19	ug/l	99
30) Chloroform	4.68	83	78279	21.05	ug/l	98
31) Cyclohexane	5.00	56	62844	19.77	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	70638	20.96	ug/l	99
36) 1,1-Dichloropropene	5.14	75	52725	19.02	ug/l	98
37) Ethyl Acetate	4.38	43	63862	20.66	ug/l	99
38) Carbon Tetrachloride	5.14	117	60157	20.17	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025344.D
 Acq On : 12 Jul 2018 17:07
 Operator : MD/SY
 Sample : VU0712WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD02

Quant Time: Jul 13 01:11:19 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	62487	18.08	ug/l	98
40) Benzene	5.39	78	158901	19.90	ug/l	98
41) Methacrylonitrile	4.54	41	35442	20.68	ug/l	98
42) 1,2-Dichloroethane	5.41	62	65952	20.77	ug/l	100
43) Isopropyl Acetate	5.55	43	101631	20.53	ug/l	100
44) Trichloroethene	6.19	130	43235	18.85	ug/l	98
45) 1,2-Dichloropropane	6.44	63	43420	20.76	ug/l	99
46) Dibromomethane	6.56	93	30785	20.22	ug/l	99
47) Bromodichloromethane	6.76	83	57431	20.31	ug/l	98
48) Methyl methacrylate	6.63	41	51796	20.99	ug/l	99
49) 1,4-Dioxane	6.62	88	24094	405.82	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	329645	102.47	ug/l	100
52) Toluene	7.64	92	101070	19.89	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	59138	19.03	ug/l	95
54) cis-1,3-Dichloropropene	7.27	75	64209	19.42	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	43866	20.73	ug/l	98
56) Ethyl methacrylate	8.02	69	66107	20.00	ug/l	100
57) 1,3-Dichloropropane	8.25	76	71963	20.48	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	116997	79.78	ug/l	100
59) 2-Hexanone	8.36	43	263179	100.86	ug/l	99
60) Dibromochloromethane	8.48	129	45607	19.96	ug/l	98
61) 1,2-Dibromoethane	8.59	107	45859	20.25	ug/l	99
64) Tetrachloroethene	8.23	164	41323	19.60	ug/l	99
65) Chlorobenzene	9.12	112	116210	20.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	43542	21.07	ug/l	99
67) Ethyl Benzene	9.25	91	197976	20.10	ug/l	99
68) m/p-Xylenes	9.38	106	154605	40.59	ug/l	100
69) o-Xylene	9.78	106	77700	20.38	ug/l	97
70) Styrene	9.80	104	120992	19.98	ug/l	100
71) Bromoform	9.96	173	33943	20.02	ug/l #	99
73) Isopropylbenzene	10.17	105	206504	20.21	ug/l	99
74) N-amyl acetate	10.01	43	85935	21.29	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	69736	20.86	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	78532	28.82	ug/l	85
77) Bromobenzene	10.45	156	52563	20.10	ug/l	98
78) n-propylbenzene	10.59	91	227233	20.04	ug/l	99
79) 2-Chlorotoluene	10.66	91	142094	21.90	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	173676	20.20	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	78532	73.70	ug/l #	100
82) 4-Chlorotoluene	10.78	91	160133	19.94	ug/l	99
83) tert-Butylbenzene	11.10	119	179014	20.60	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	176707	20.05	ug/l	99
85) sec-Butylbenzene	11.33	105	209511	20.48	ug/l	99
86) p-Isopropyltoluene	11.48	119	181562	20.04	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	92193	19.29	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	91821	20.58	ug/l	97
89) n-Butylbenzene	11.89	91	137282	18.43	ug/l	99
90) Hexachloroethane	12.15	117	28502	18.58	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	98363	20.38	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16270	20.06	ug/l	96

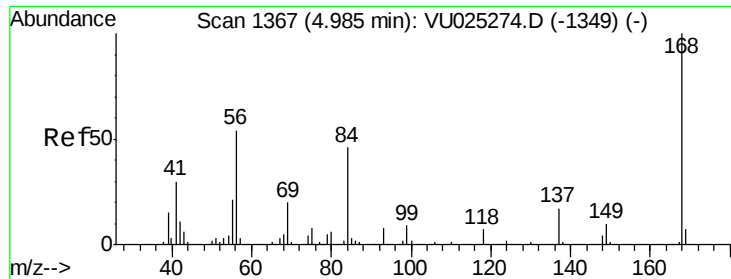
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
Data File : VU025344.D
Acq On : 12 Jul 2018 17:07
Operator : MD/SY
Sample : VU0712WBSD01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD02

Quant Time: Jul 13 01:11:19 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	54253	18.97	ug/l	98
94) Hexachlorobutadiene	13.70	225	32791	19.00	ug/l	98
95) Naphthalene	13.74	128	177492	19.61	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	58759	19.53	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

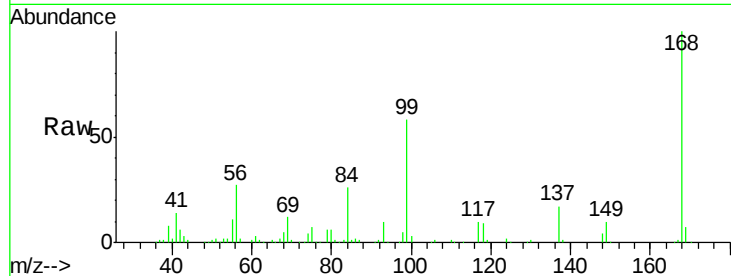
VU0712WBSD02

Tot Ion:168 Resp: 165846

Ion Ratio Lower Upper

168 100

99 57.5 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

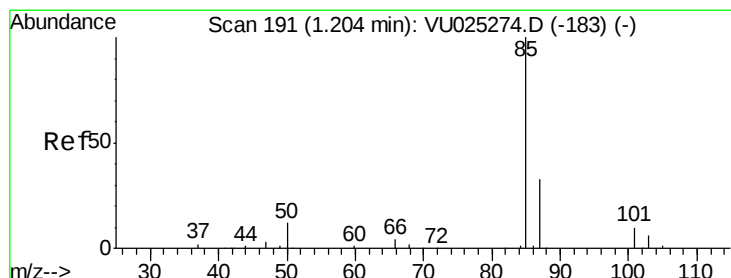
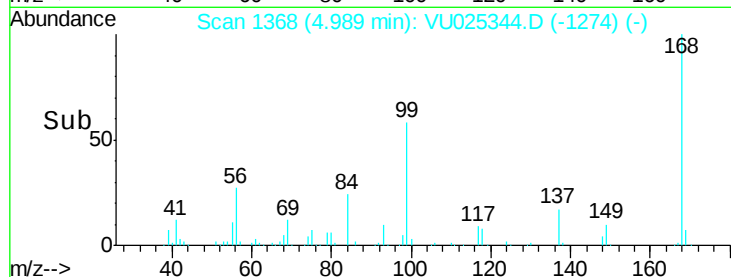
40000

20000

0

Time-->

4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 18.39 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025344.D

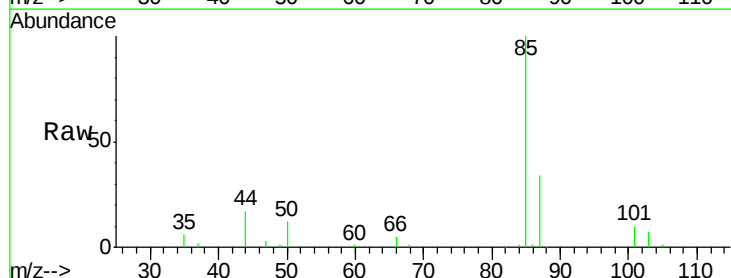
Acq: 12 Jul 2018 17:07

Tgt Ion: 85 Resp: 31567

Ion Ratio Lower Upper

85 100

87 34.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.21

30000

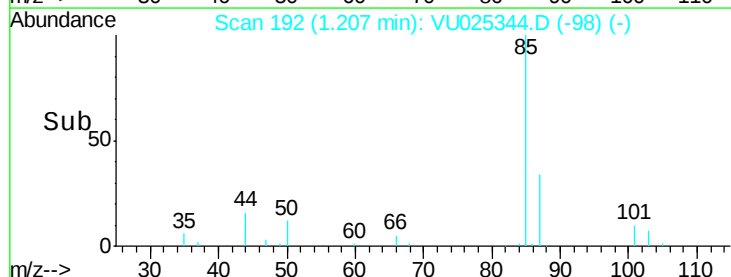
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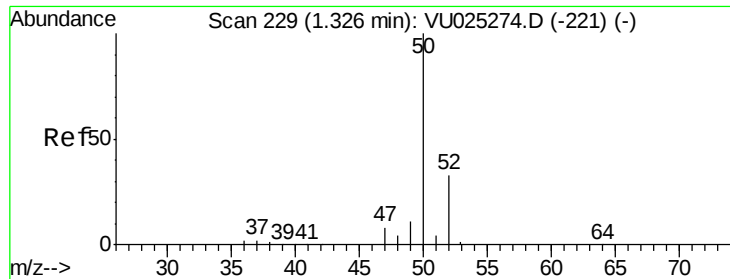
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Time-->

1.15 1.20 1.25

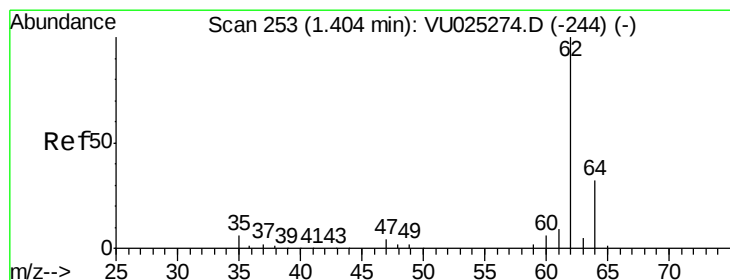
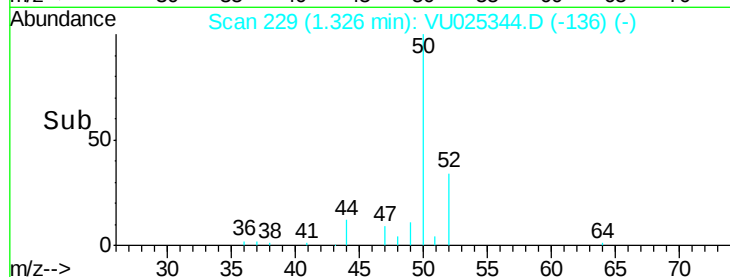
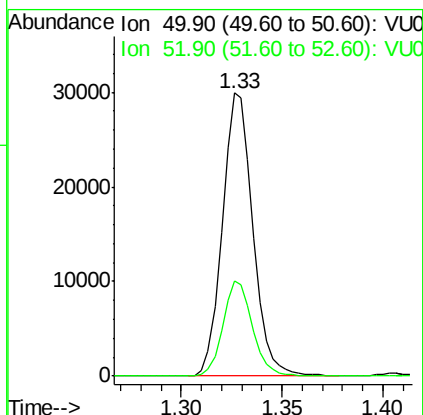
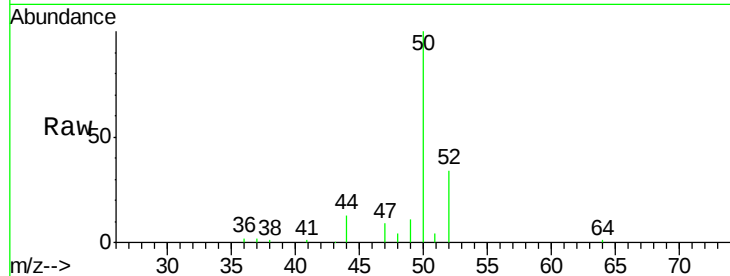




#3
Chloromethane
Concen: 18.74 ug/l
RT: 1.33 min Scan# 229
Delta R.T. 0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

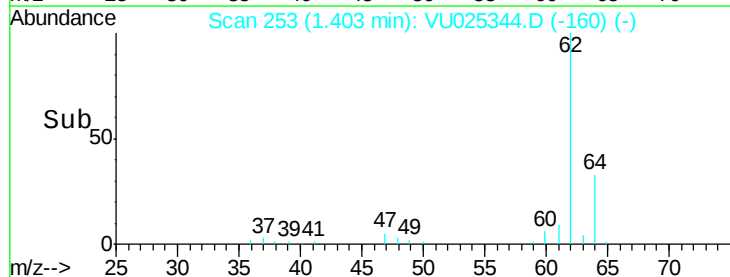
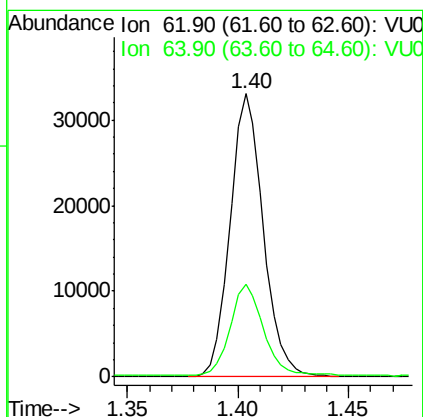
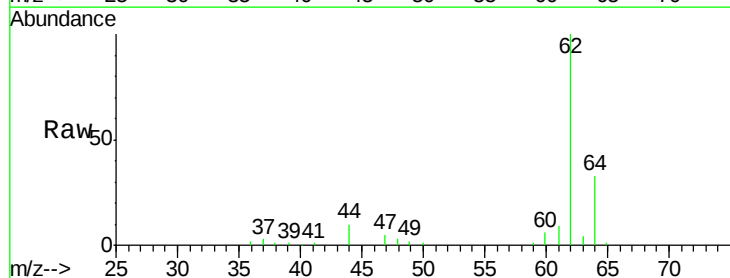
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD02

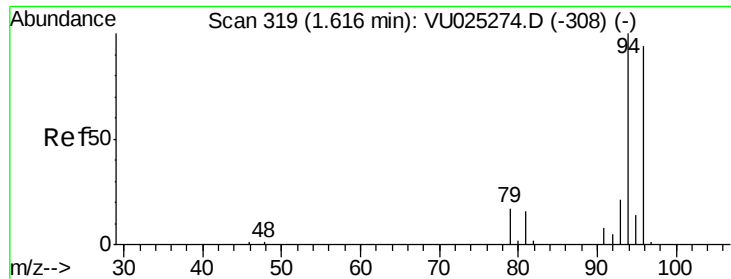
Tot Ion: 50 Resp: 31433
Ion Ratio Lower Upper
50 100
52 33.6 26.5 39.7



#4
Vinyl Chloride
Concen: 18.31 ug/l
RT: 1.40 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Tgt Ion: 62 Resp: 34536
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.0





#5

Bromomethane

Concen: 20.24 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

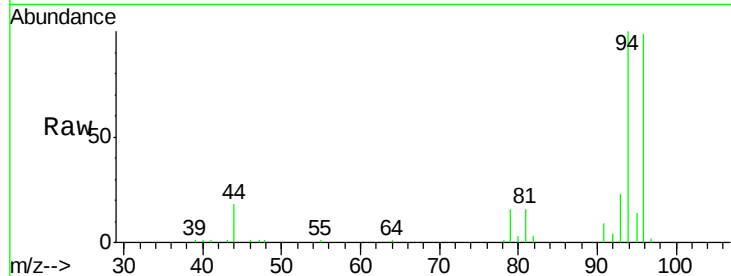
VU0712WBSD02

Tot Ion: 94 Resp: 22554

Ion Ratio Lower Upper

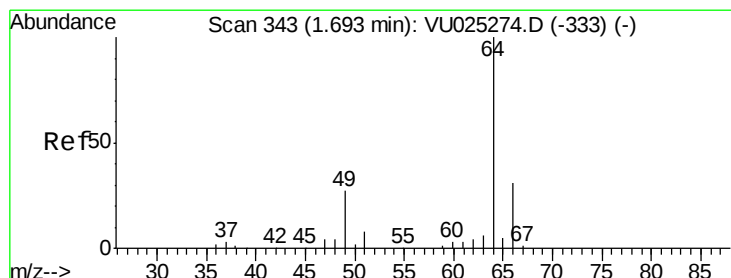
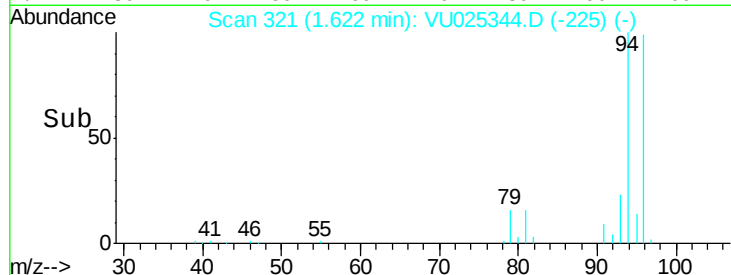
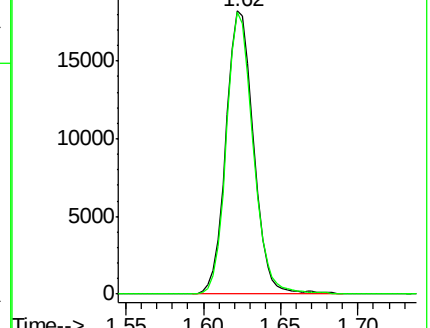
94 100

96 99.5 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.62 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025344.D

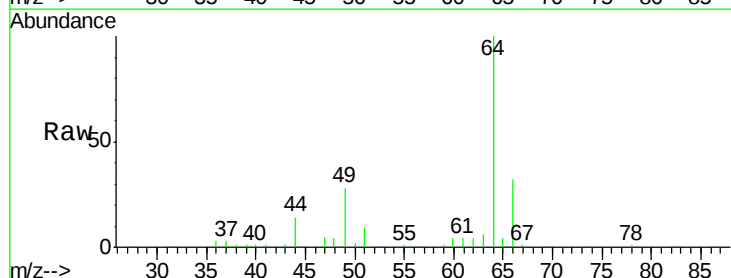
Acq: 12 Jul 2018 17:07

Tgt Ion: 64 Resp: 24525

Ion Ratio Lower Upper

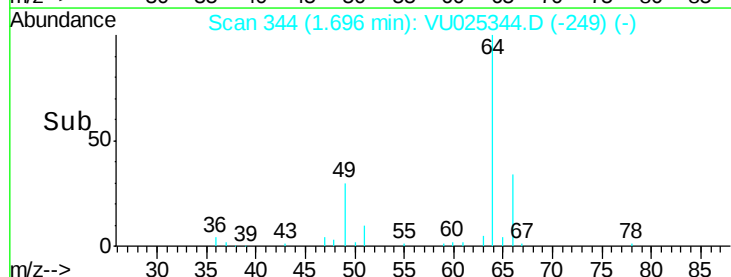
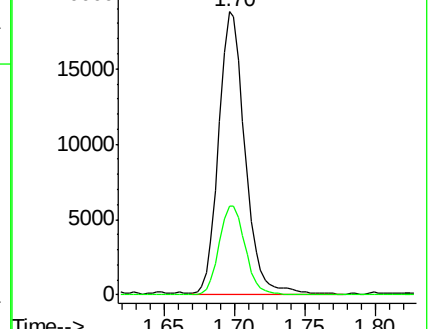
64 100

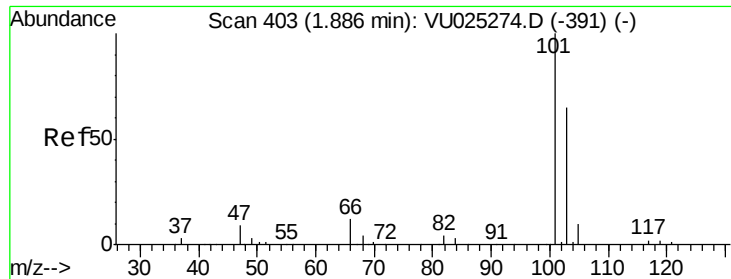
66 31.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



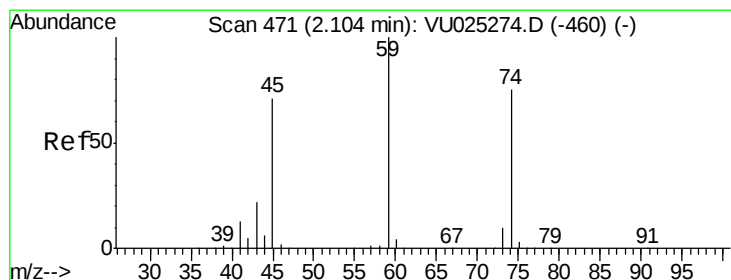
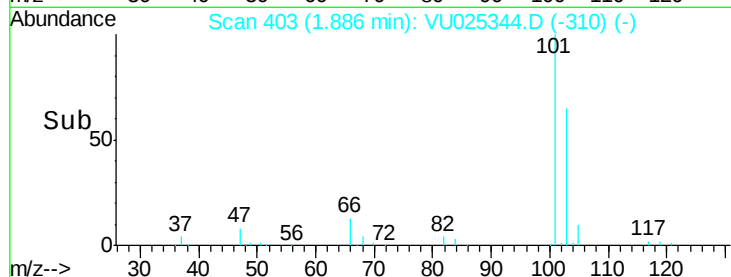
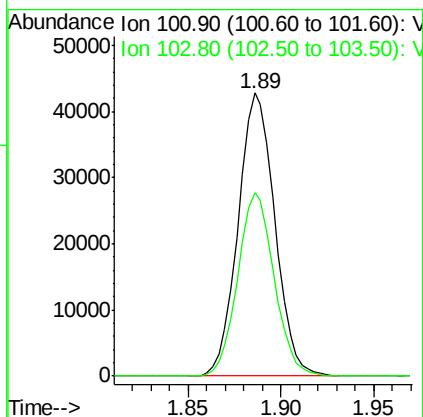
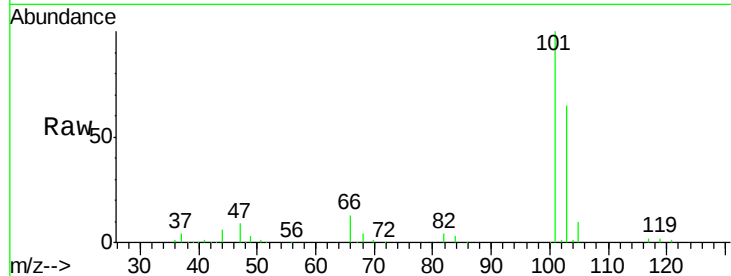


#7

Trichlorofluoromethane
 Concen: 19.85 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD02

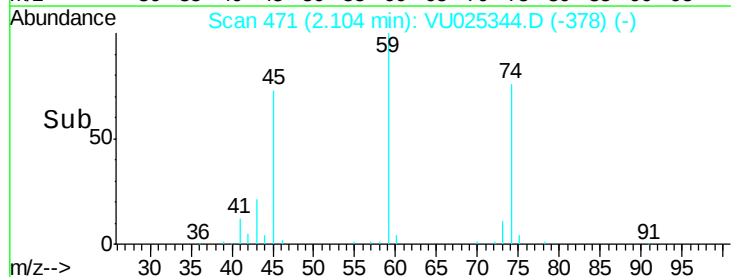
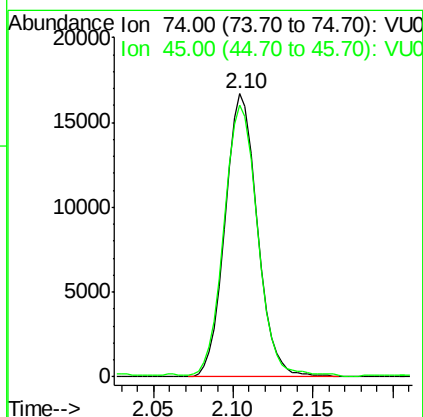
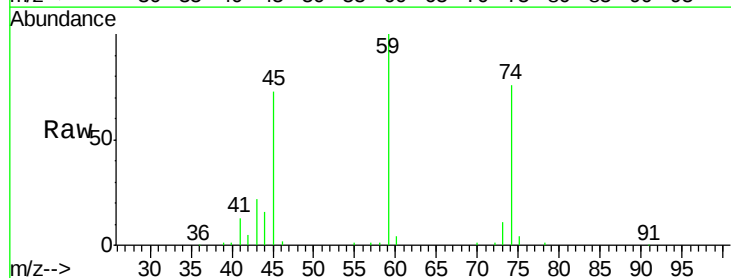
Tot Ion:101 Resp: 58851
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.2 78.2

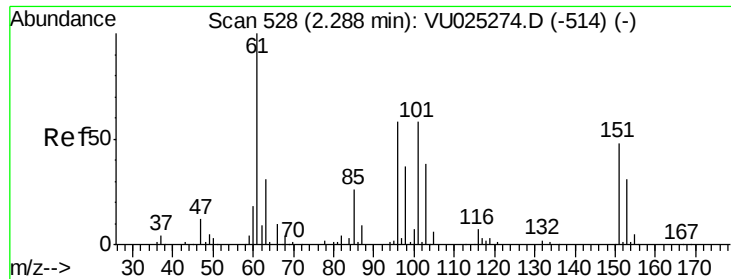


#8

Diethyl Ether
 Concen: 20.60 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

Tgt Ion: 74 Resp: 22910
 Ion Ratio Lower Upper
 74 100
 45 100.9 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.98 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD02

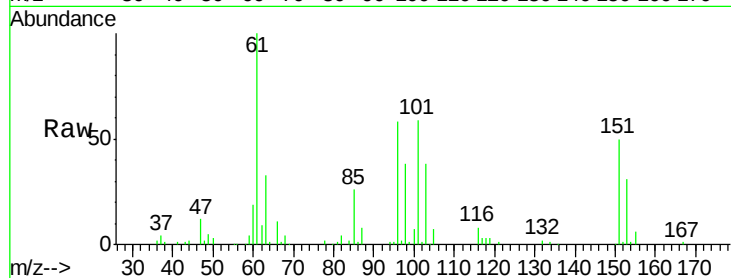
Tot Ion:101 Resp: 36702

Ion Ratio Lower Upper

101 100

85 44.6 36.0 54.0

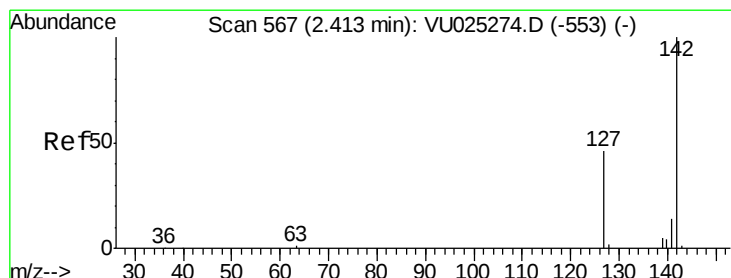
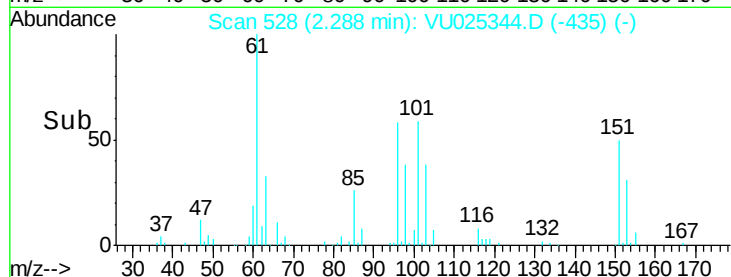
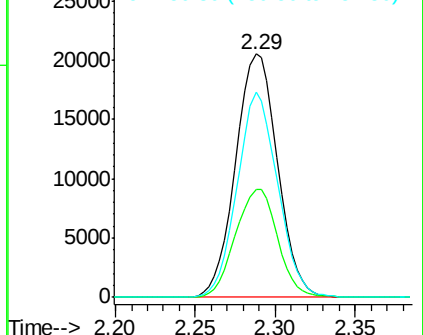
151 81.3 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.94 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

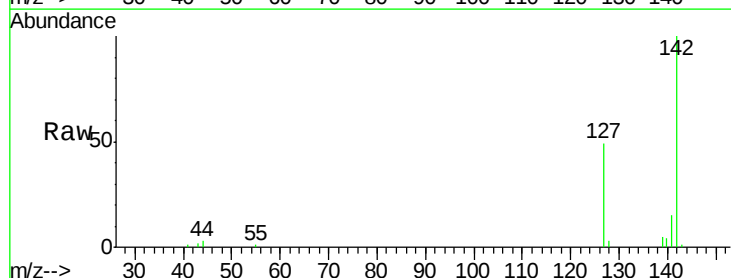
Tgt Ion:142 Resp: 34606

Ion Ratio Lower Upper

142 100

127 47.1 36.5 54.7

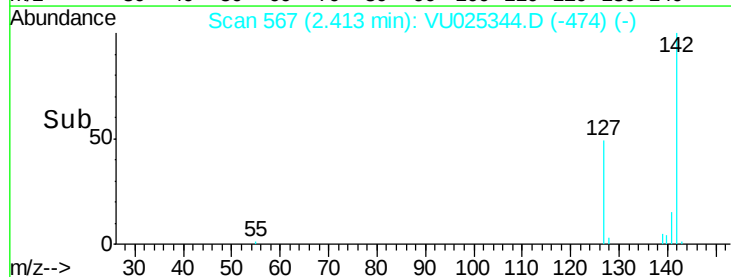
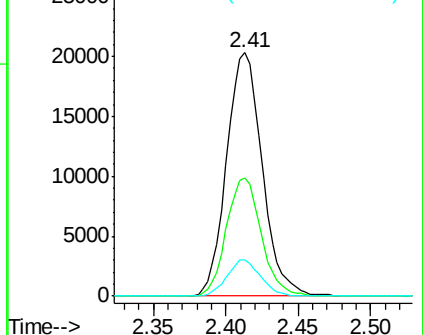
141 13.9 11.4 17.2

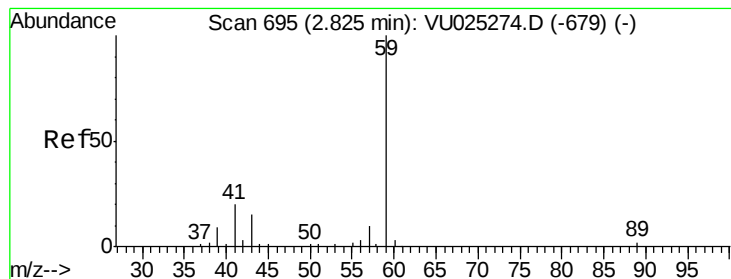


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



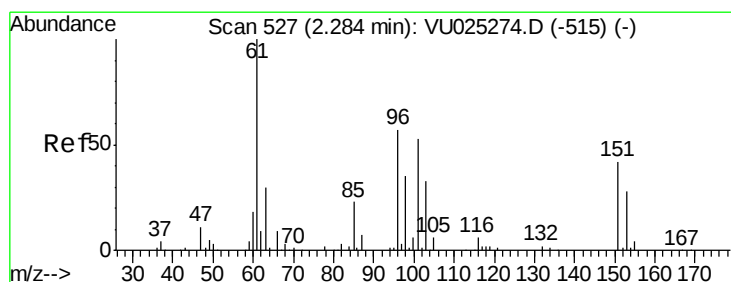
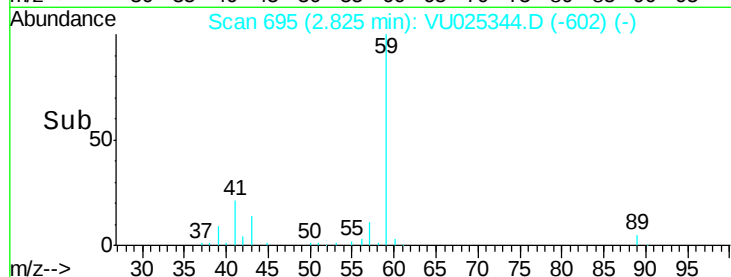
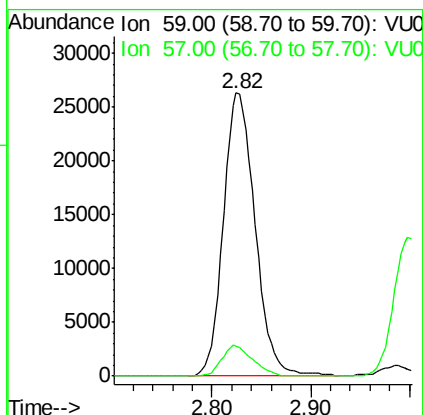
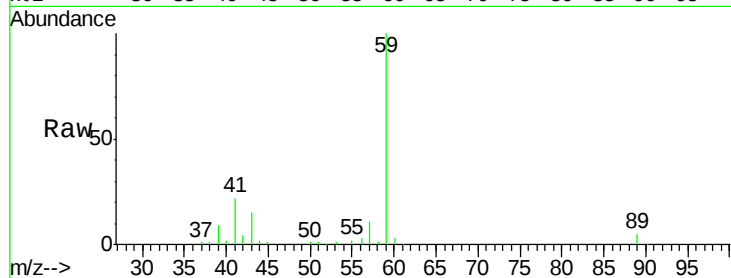


#11

Tert butyl alcohol
 Concen: 105.15 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD02

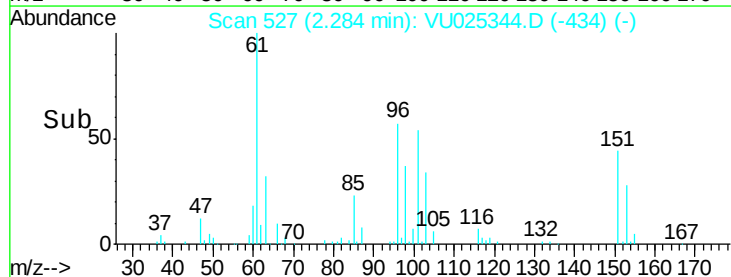
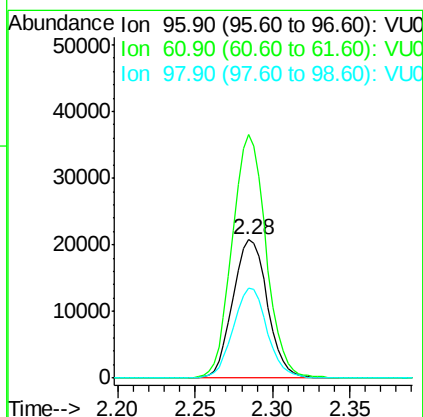
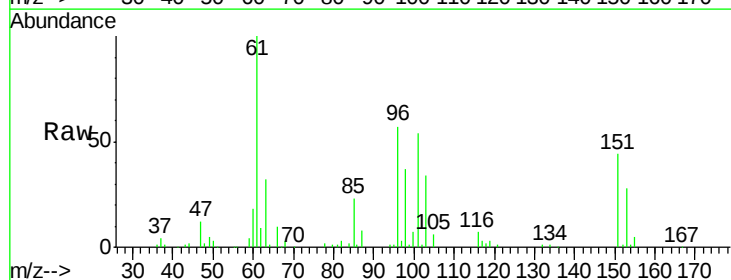
Tot Ion: 59 Resp: 59104
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.2

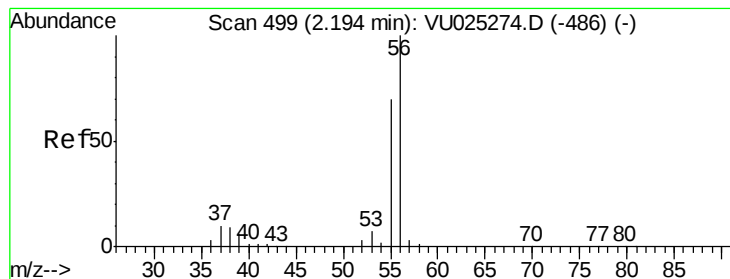


#12

1,1-Dichloroethene
 Concen: 19.23 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

Tgt Ion: 96 Resp: 32328
 Ion Ratio Lower Upper
 96 100
 61 175.9 140.2 210.4
 98 65.3 49.3 73.9





#13

Acrolein

Concen: 46.64 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

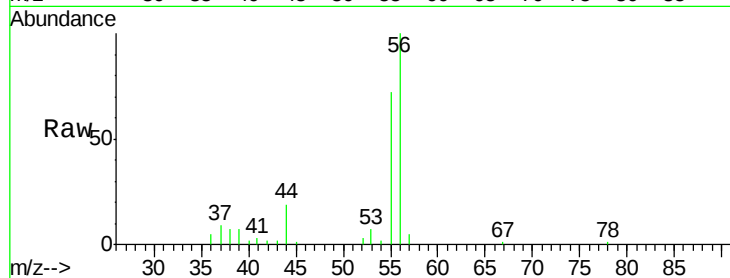
VU0712WBSD02

Tot Ion: 56 Resp: 17345

Ion Ratio Lower Upper

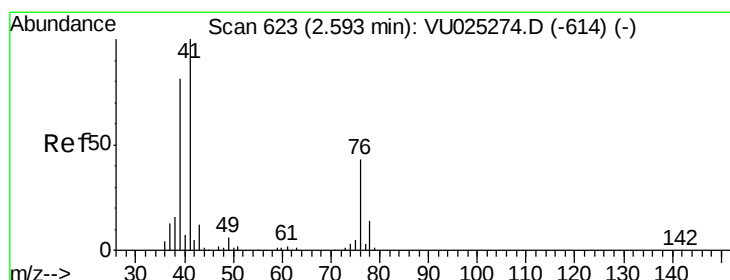
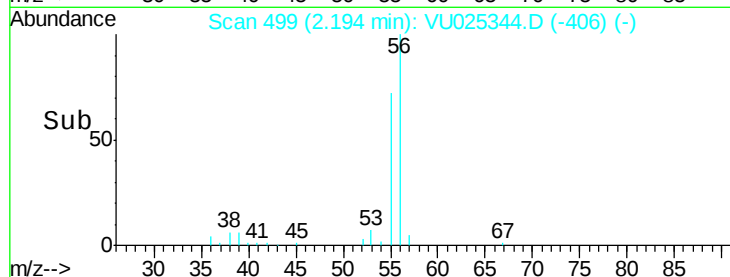
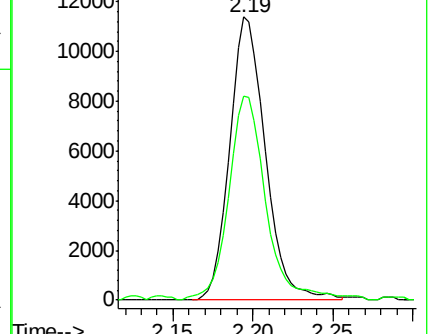
56 100

55 75.6 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 18.88 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

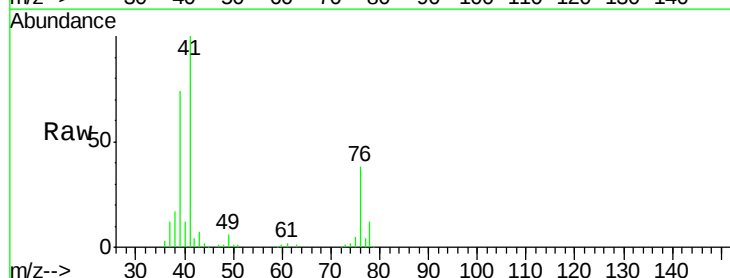
Tgt Ion: 41 Resp: 57564

Ion Ratio Lower Upper

41 100

39 75.0 60.6 91.0

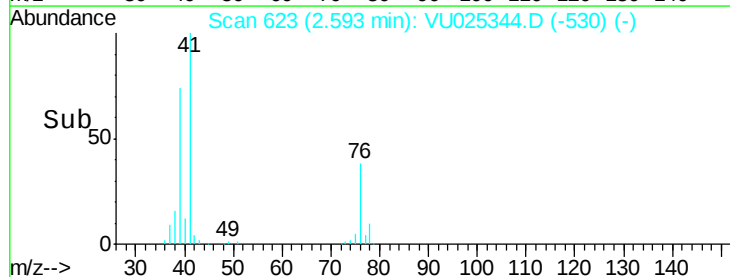
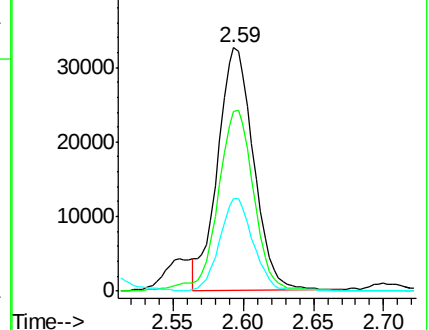
76 35.8 30.5 45.7

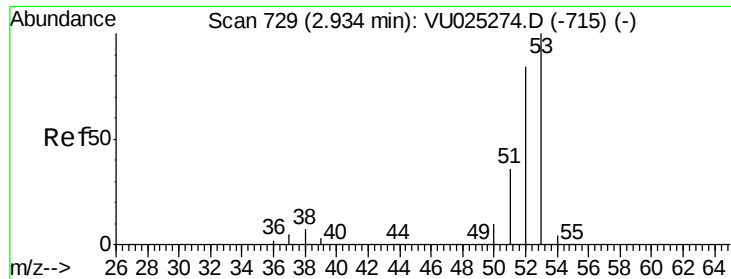


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 101.74 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD02

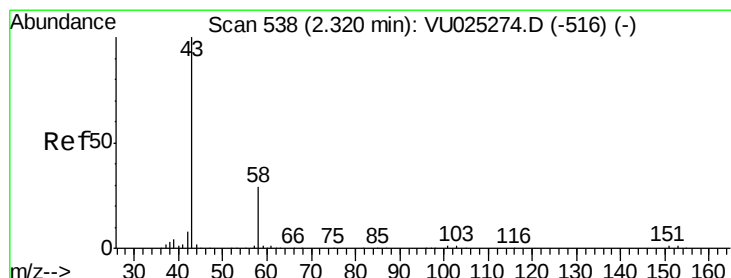
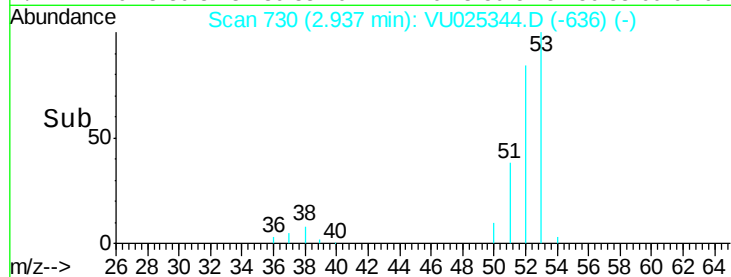
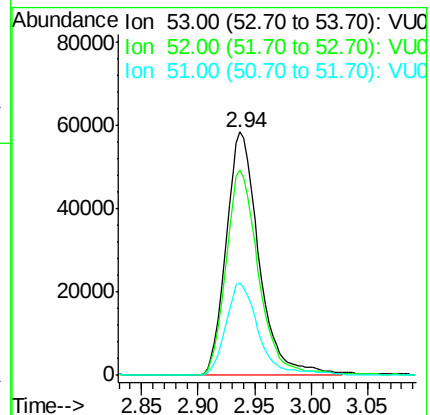
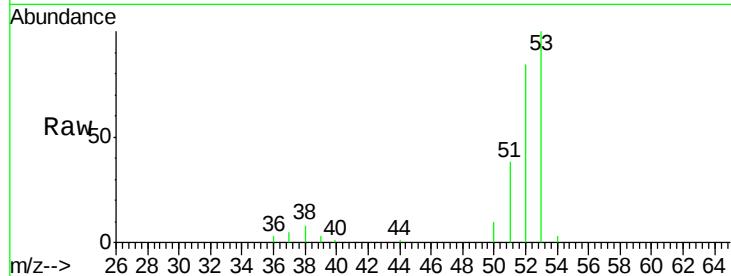
Tot Ion: 53 Resp: 117576

Ion Ratio Lower Upper

53 100

52 83.8 66.6 99.8

51 38.2 29.4 44.2



#16

Acetone

Concen: 104.67 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025344.D

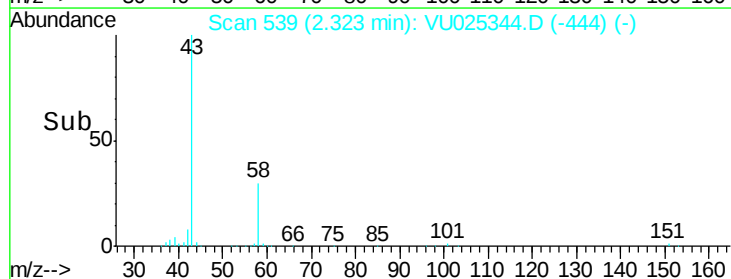
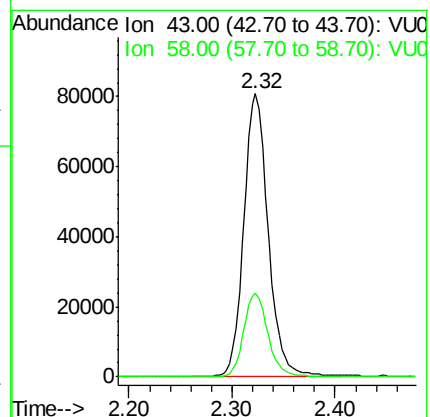
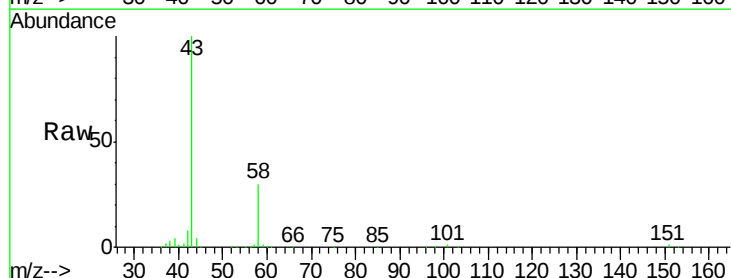
Acq: 12 Jul 2018 17:07

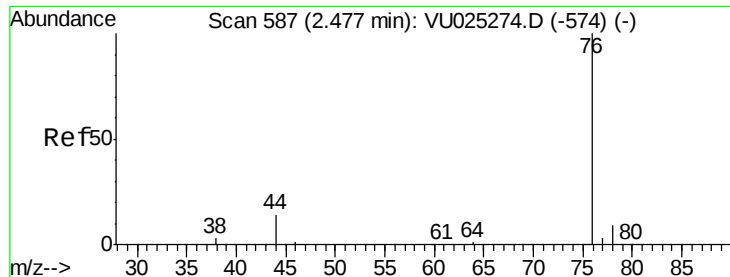
Tgt Ion: 43 Resp: 133830

Ion Ratio Lower Upper

43 100

58 29.5 23.1 34.7





#17

Carbon Disulfide

Concen: 17.08 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

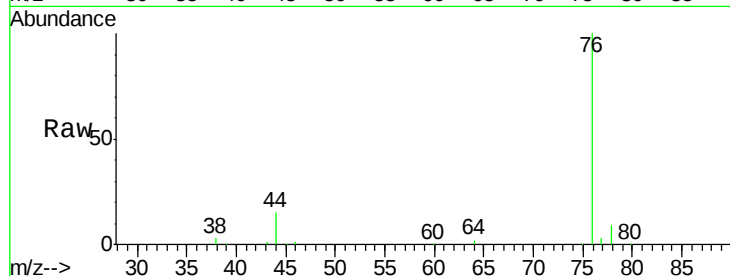
VU0712WBSD02

Tot Ion: 76 Resp: 77412

Ion Ratio Lower Upper

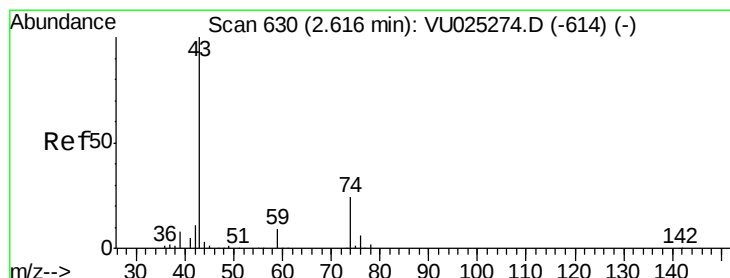
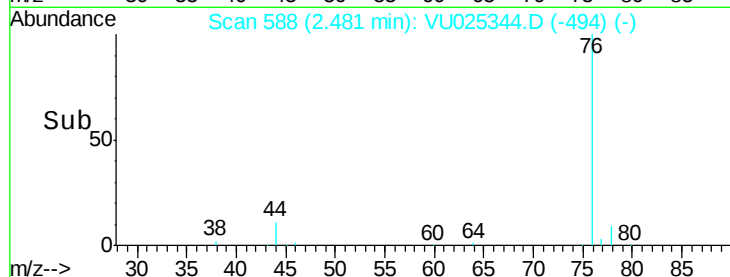
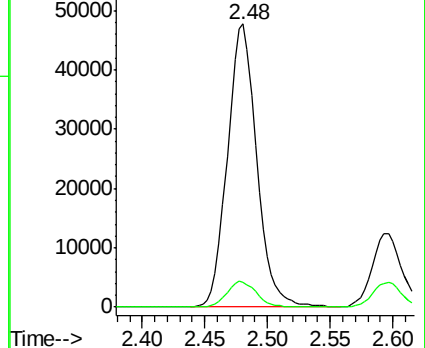
76 100

78 8.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 23.09 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025344.D

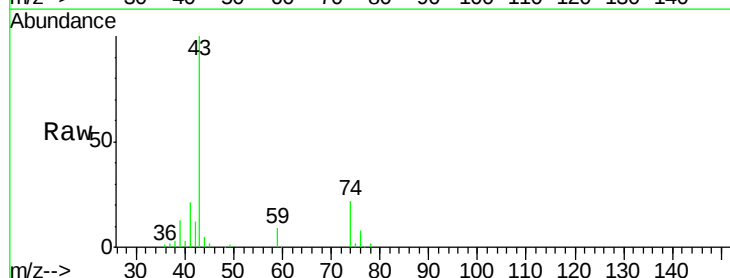
Acq: 12 Jul 2018 17:07

Tgt Ion: 43 Resp: 60910

Ion Ratio Lower Upper

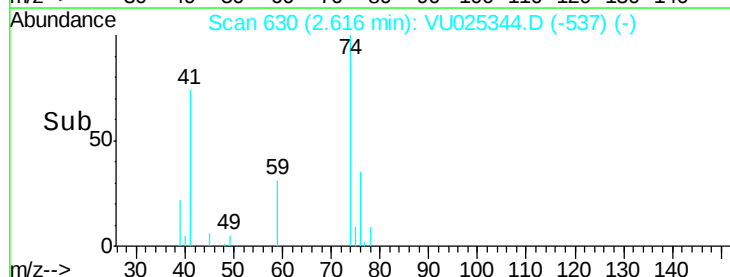
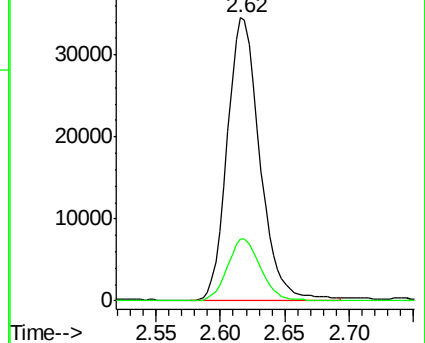
43 100

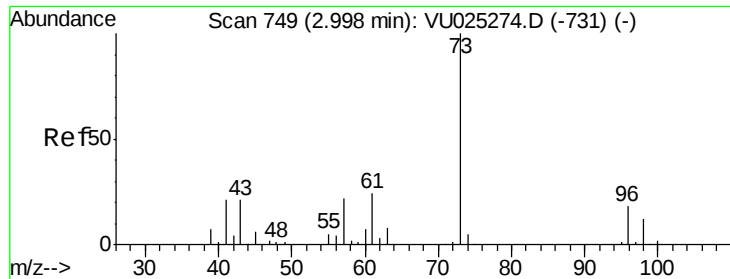
74 22.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

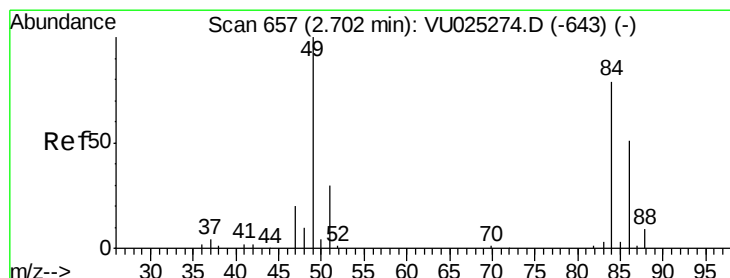
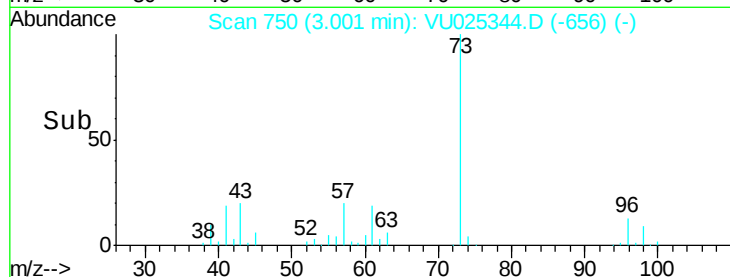
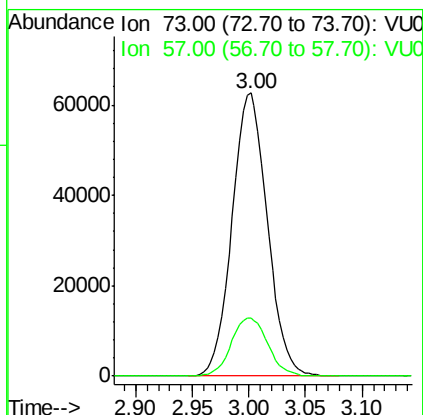
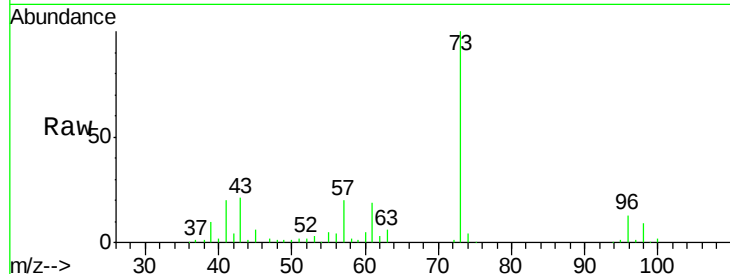




#19
Methyl tert-butyl Ether
Concen: 21.27 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

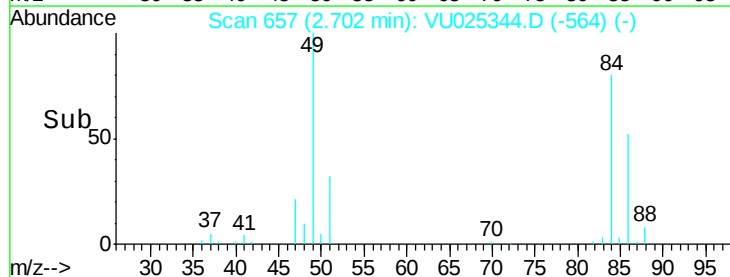
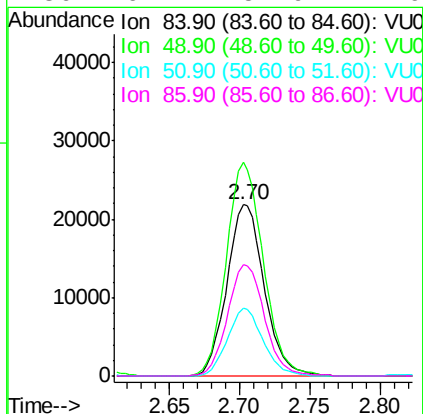
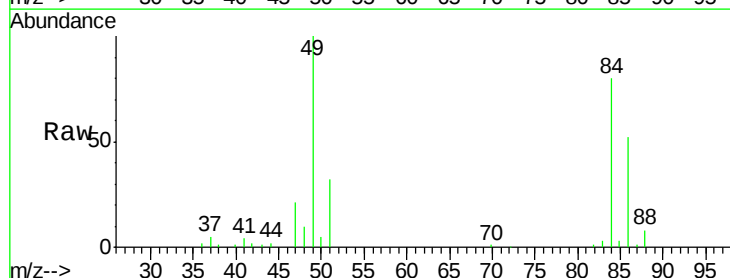
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD02

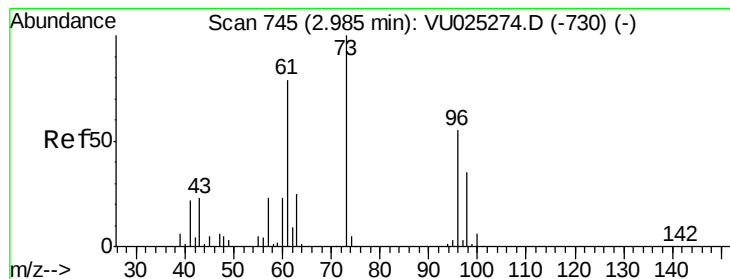
Tot Ion: 73 Resp: 135998
Ion Ratio Lower Upper
73 100
57 20.5 17.4 26.2



#20
Methylene Chloride
Concen: 20.70 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Tgt Ion: 84 Resp: 40441
Ion Ratio Lower Upper
84 100
49 124.9 101.8 152.6
51 39.7 30.8 46.2
86 64.7 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 18.55 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD02

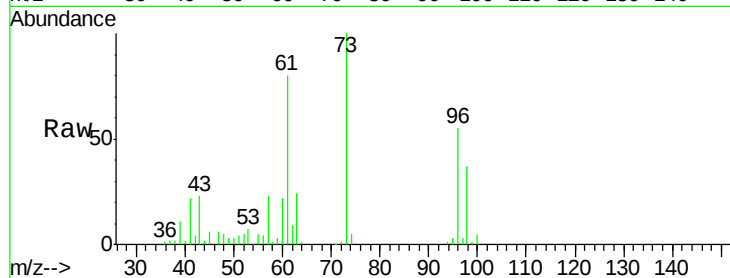
Tot Ion: 96 Resp: 35638

Ion Ratio Lower Upper

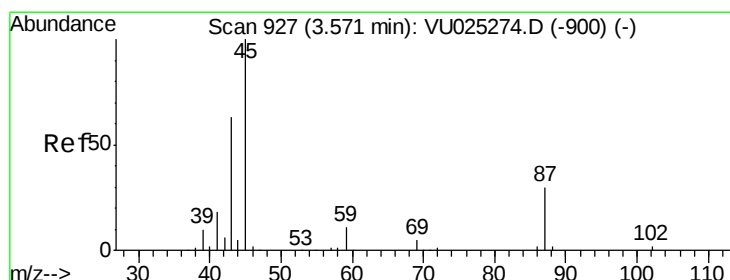
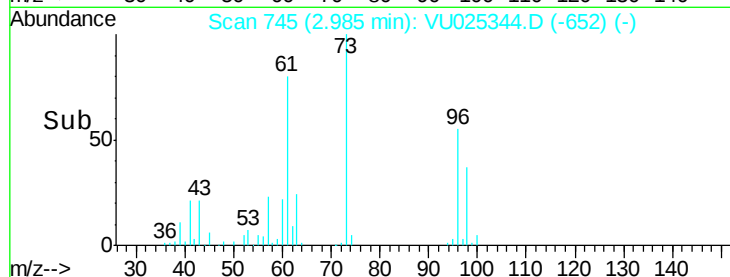
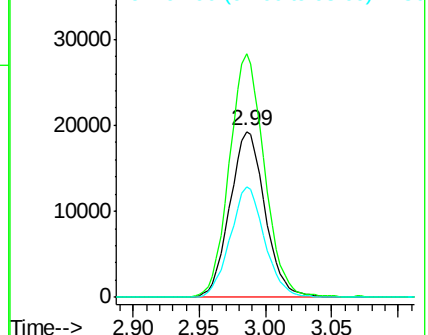
96 100

61 146.6 114.5 171.7

98 66.7 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 20.90 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Tgt Ion: 45 Resp: 130126

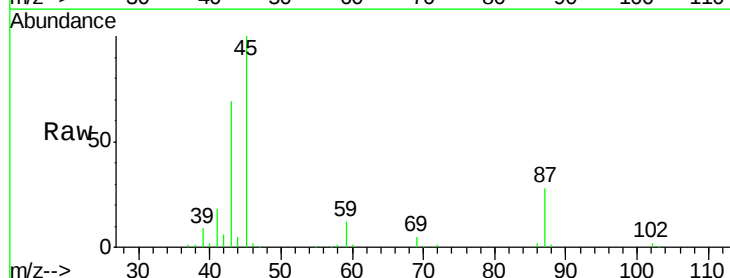
Ion Ratio Lower Upper

45 100

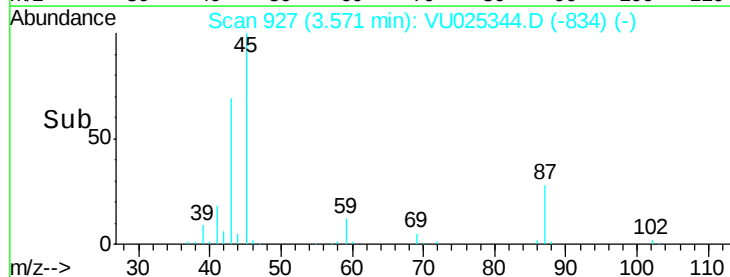
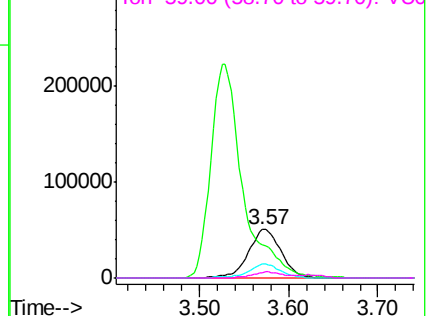
43 66.9 50.9 76.3

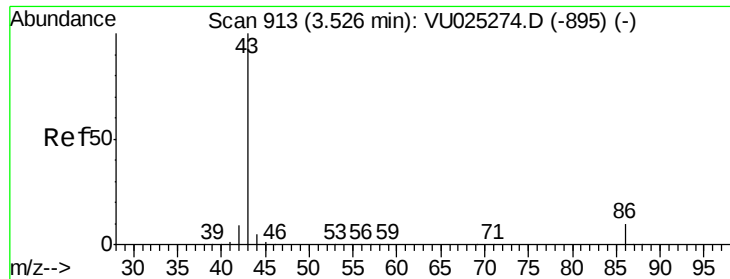
87 27.8 23.8 35.8

59 11.7 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0

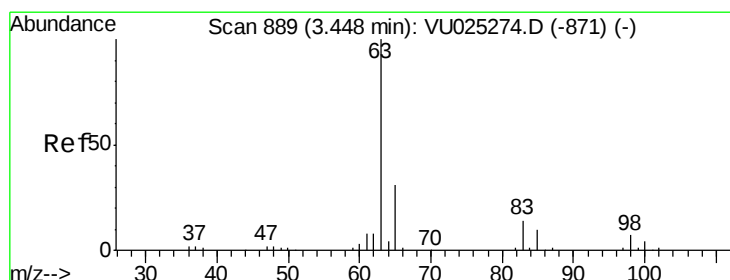
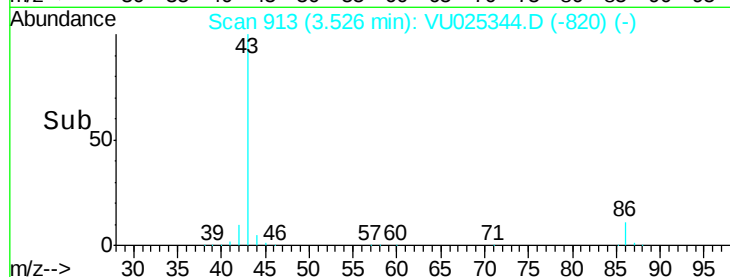
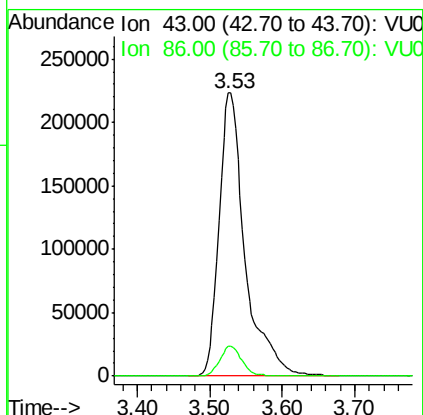
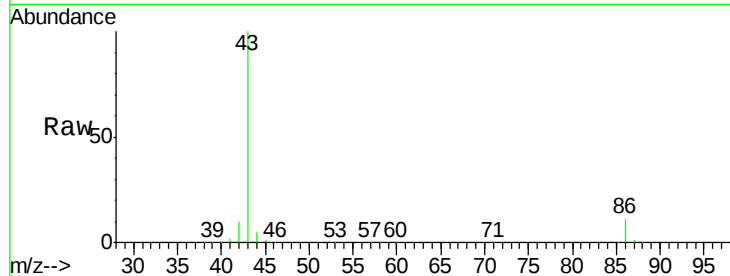




#23
 Vinyl Acetate
 Concen: 101.74 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

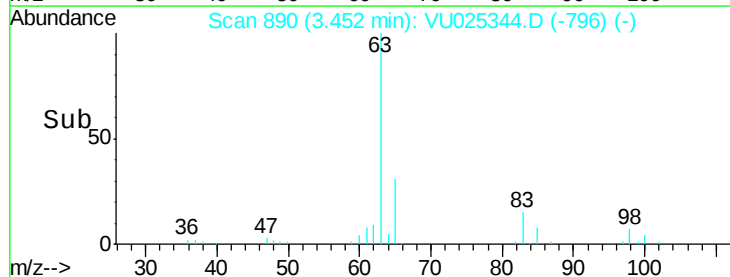
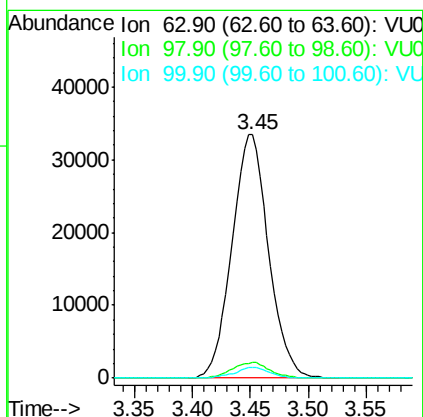
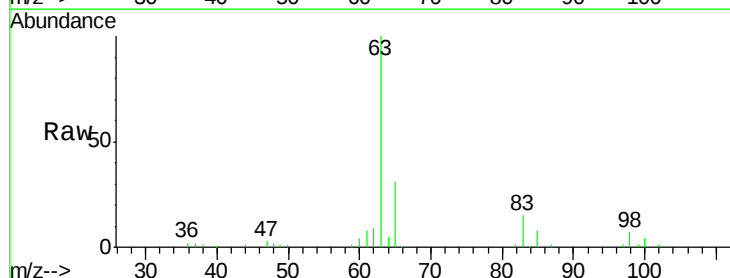
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD02

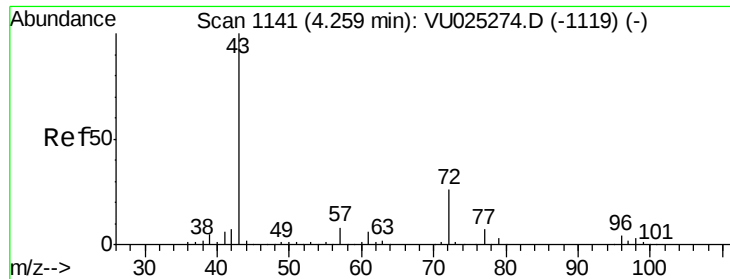
Tot Ion: 43 Resp: 555725
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 20.81 ug/l
 RT: 3.45 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

Tgt Ion: 63 Resp: 73058
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.1
 100 4.3 2.0 6.0





#25

2-Butanone

Concen: 100.98 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

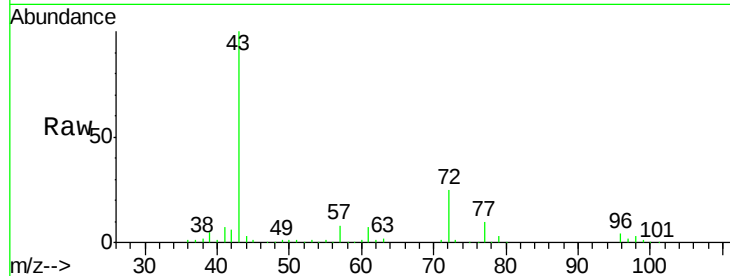
VU0712WBSD02

Tot Ion: 43 Resp: 180335

Ion Ratio Lower Upper

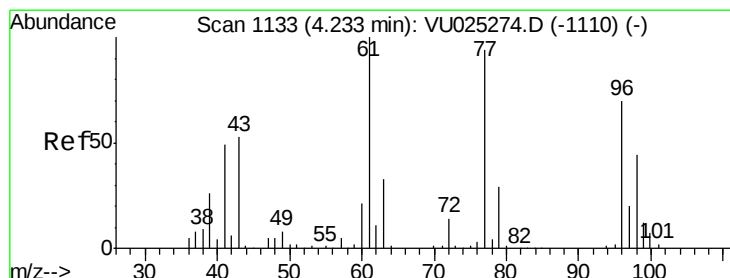
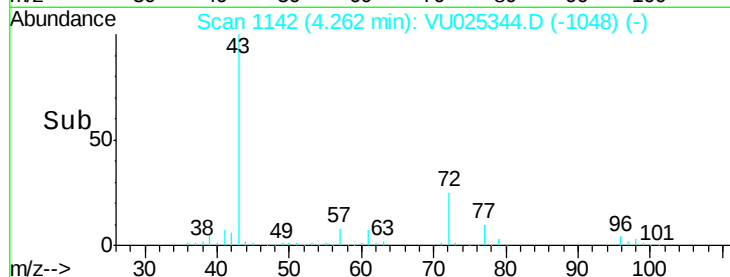
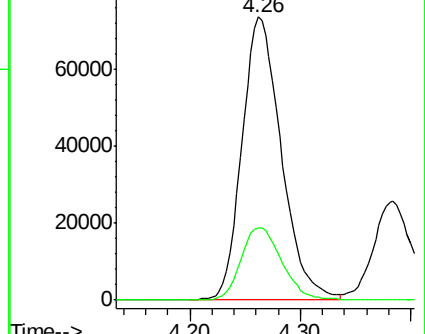
43 100

72 25.4 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 20.48 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU025344.D

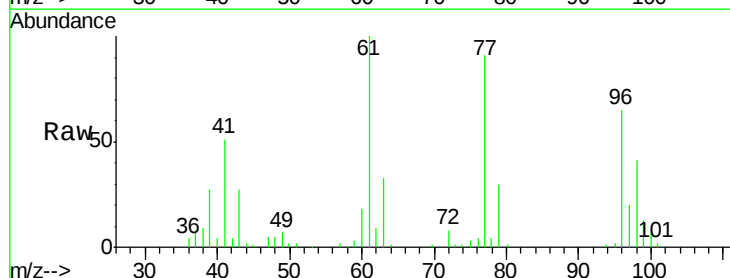
Acq: 12 Jul 2018 17:07

Tgt Ion: 77 Resp: 69140

Ion Ratio Lower Upper

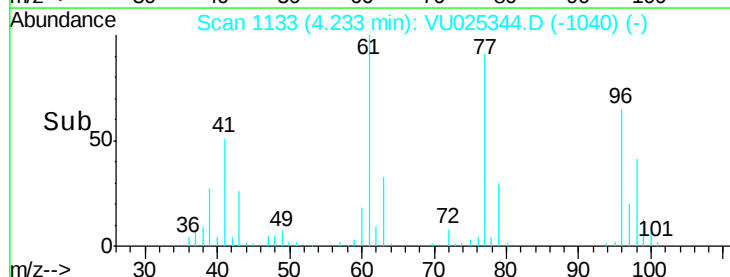
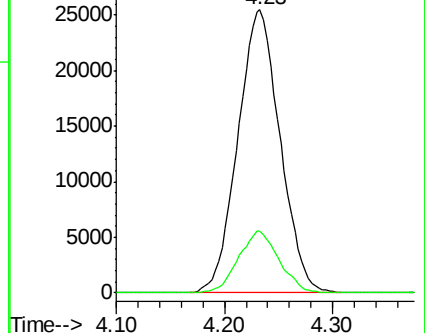
77 100

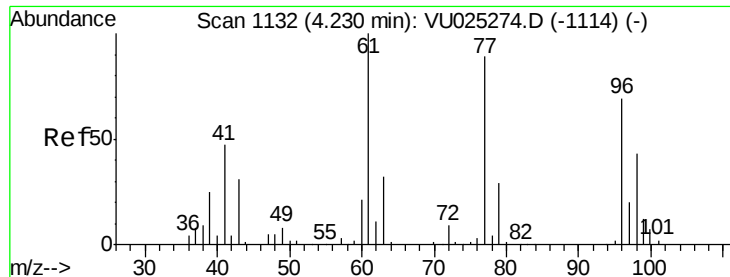
97 20.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 19.61 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD02

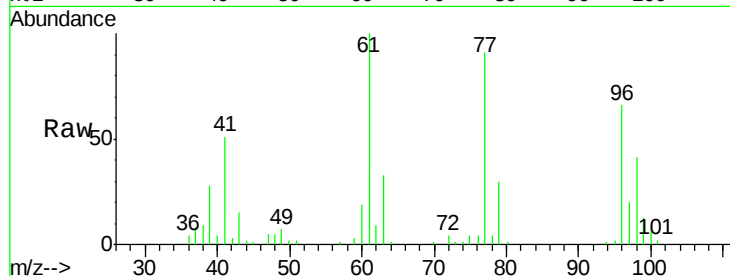
Tot Ion: 96 Resp: 43589

Ion Ratio Lower Upper

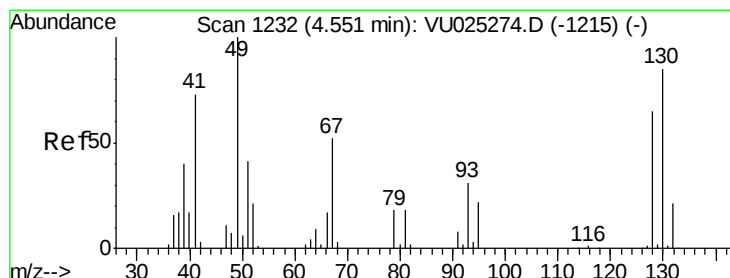
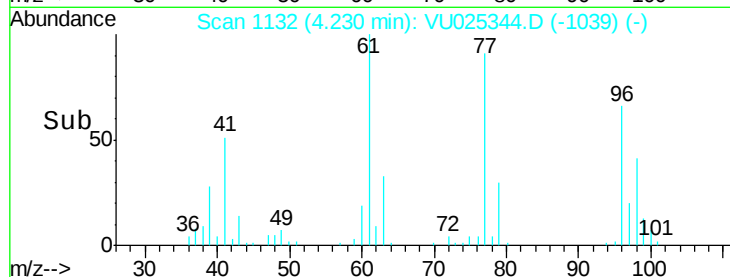
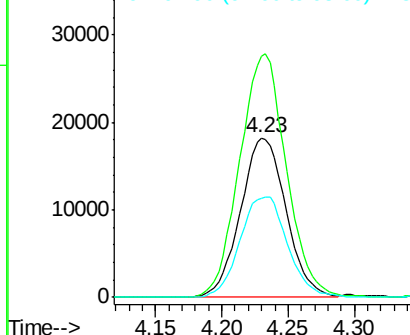
96 100

61 156.7 0.0 299.8

98 65.8 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 19.98 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

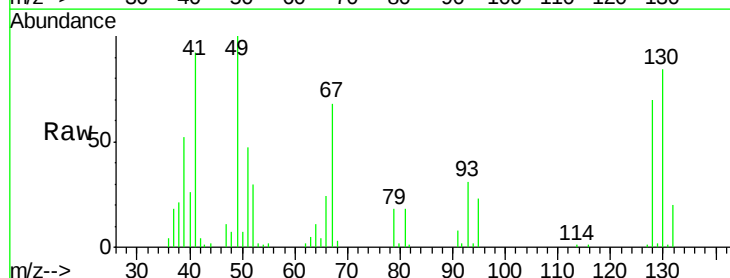
Tgt Ion: 49 Resp: 33877

Ion Ratio Lower Upper

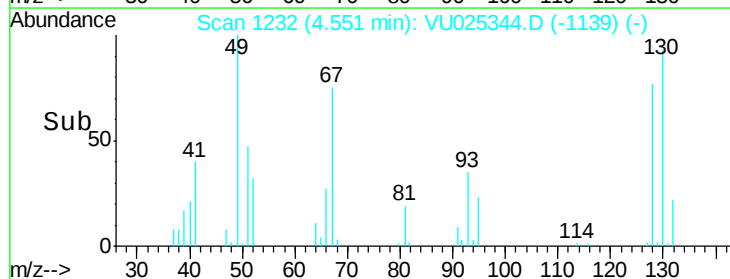
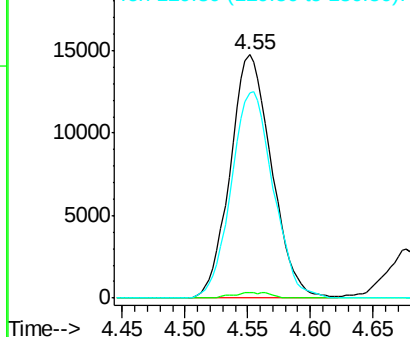
49 100

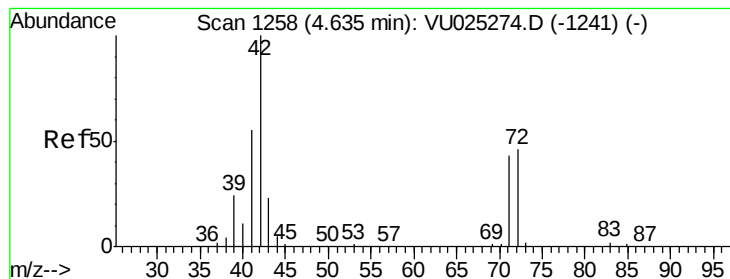
129 1.3 0.0 4.6

130 86.0 68.6 102.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 101.19 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD02

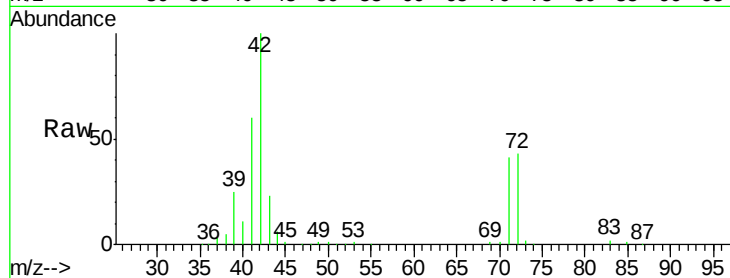
Tot Ion: 42 Resp: 108401

Ion Ratio Lower Upper

42 100

72 45.1 36.7 55.1

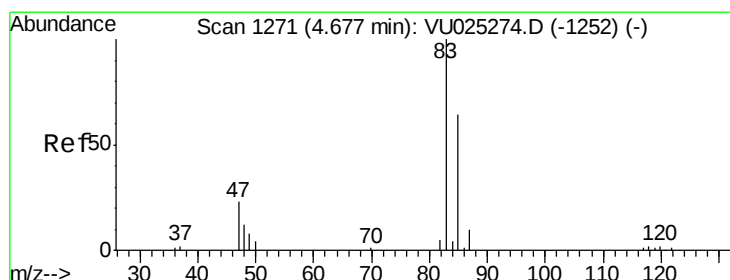
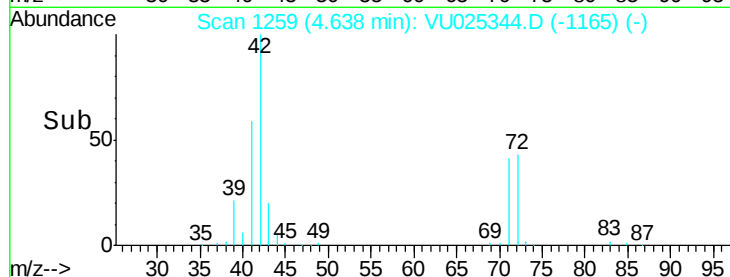
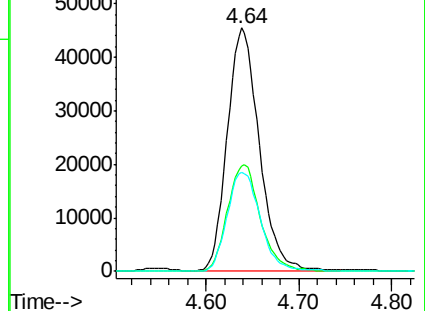
71 42.3 33.9 50.9



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 21.05 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025344.D

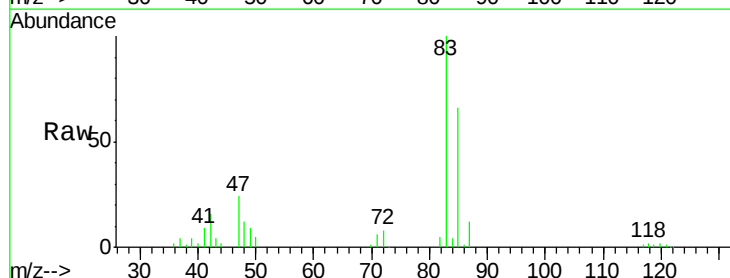
Acq: 12 Jul 2018 17:07

Tgt Ion: 83 Resp: 78279

Ion Ratio Lower Upper

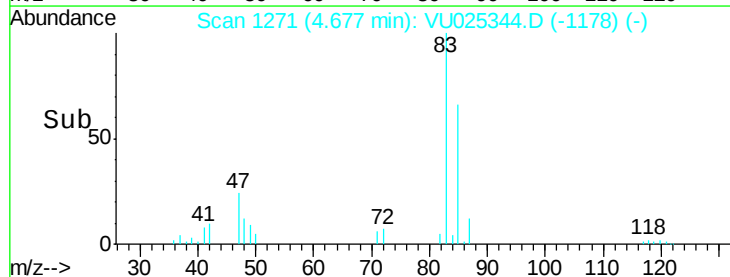
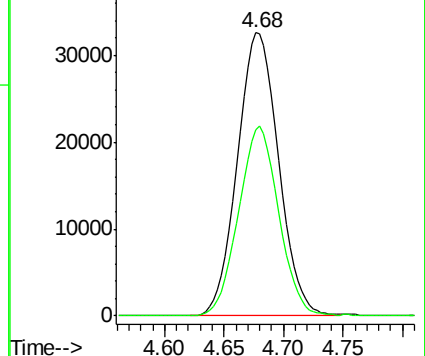
83 100

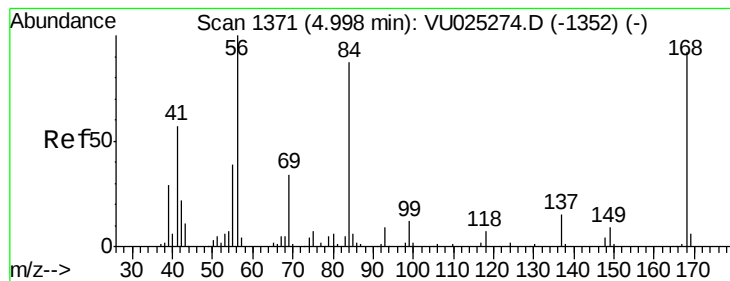
85 65.9 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 19.77 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD02

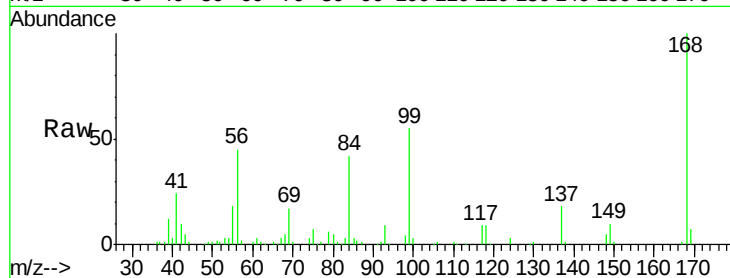
Tot Ion: 56 Resp: 62844

Ion Ratio Lower Upper

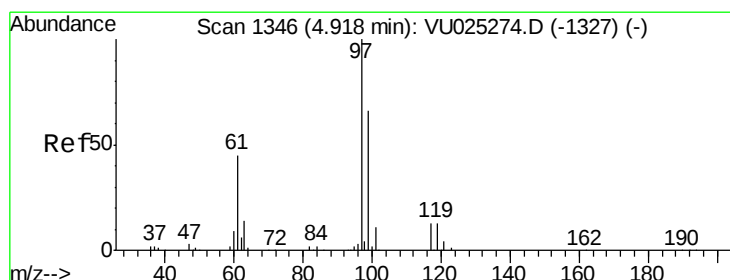
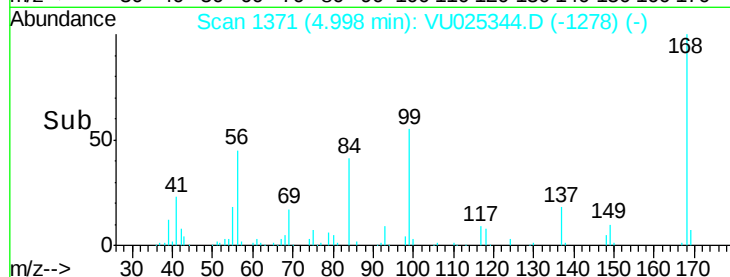
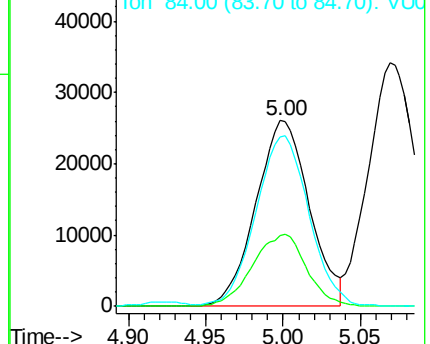
56 100

69 37.9 26.8 40.2

84 90.4 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 20.96 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

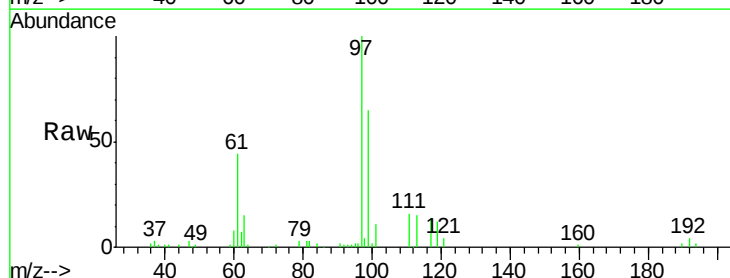
Tgt Ion: 97 Resp: 70638

Ion Ratio Lower Upper

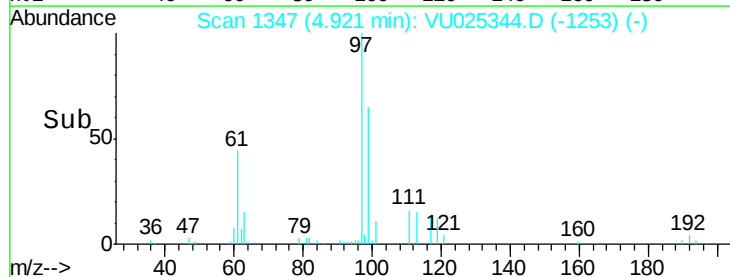
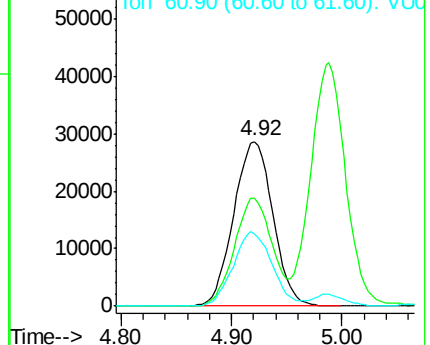
97 100

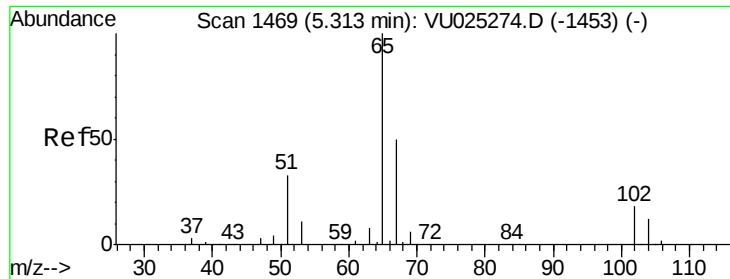
99 64.4 50.8 76.2

61 44.8 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

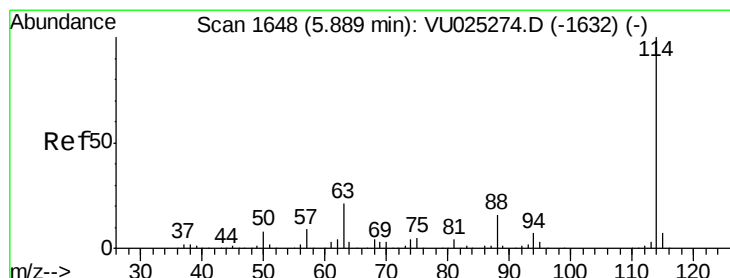
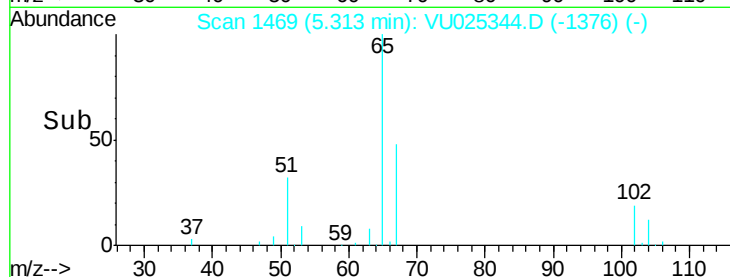
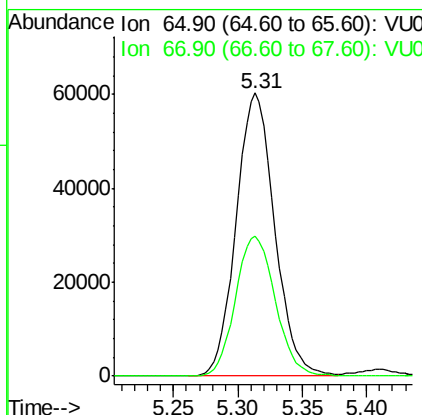
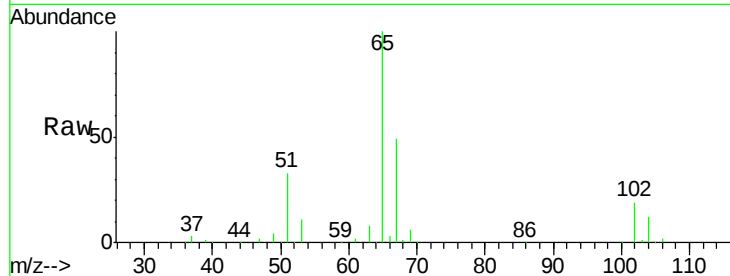




#33
 1,2-Dichloroethane-d4
 Concen: 48.61 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

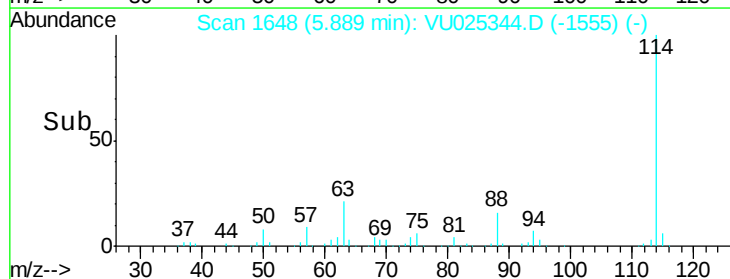
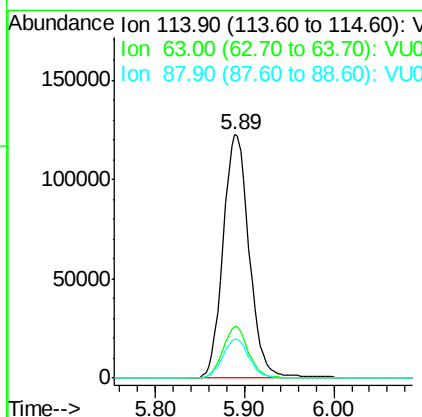
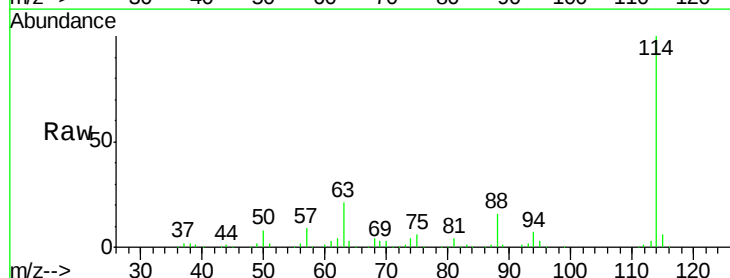
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD02

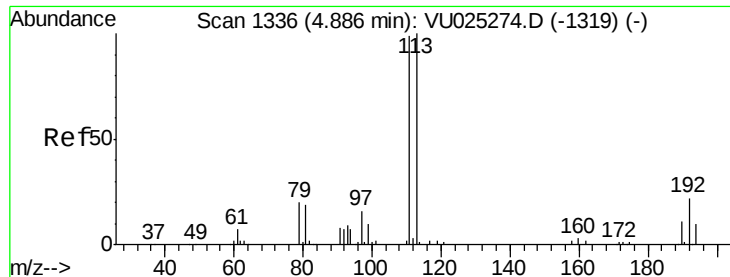
Tot Ion: 65 Resp: 125256
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

Tgt Ion: 114 Resp: 249282
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.6
 88 16.0 0.0 32.4

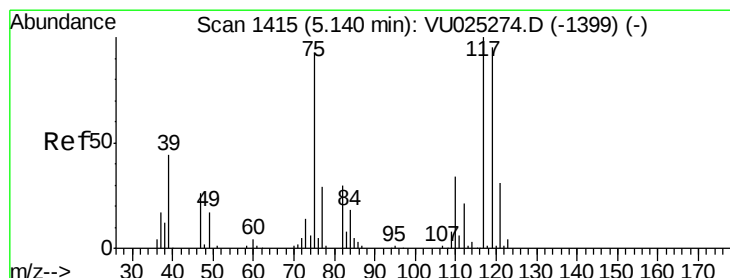
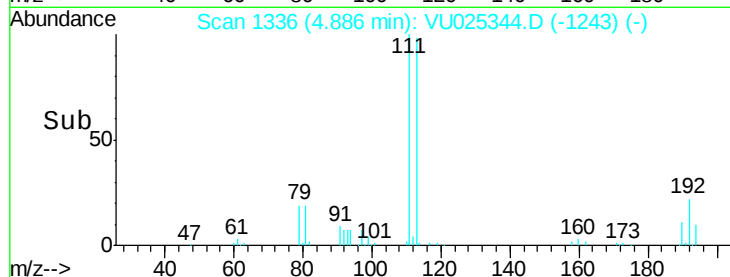
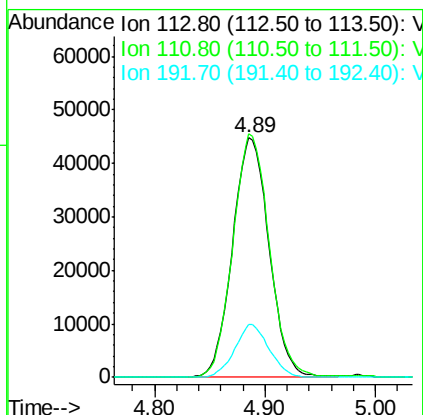
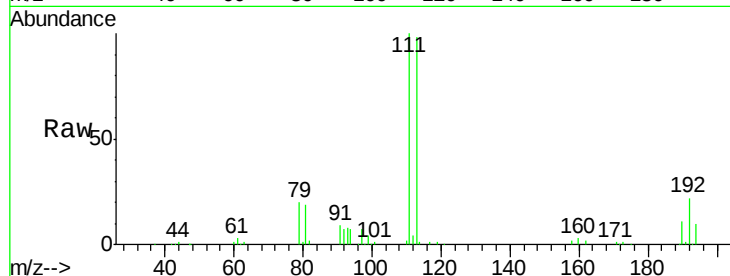




#35
 Dibromofluoromethane
 Concen: 49.03 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

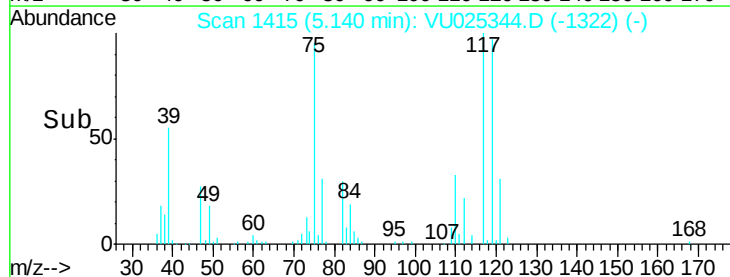
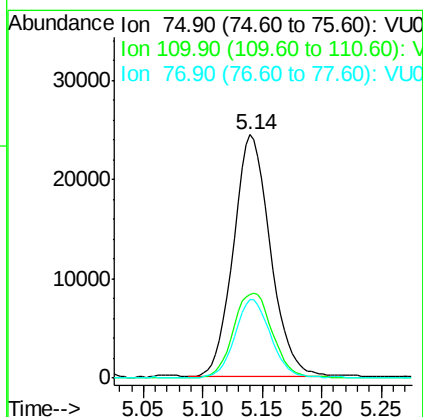
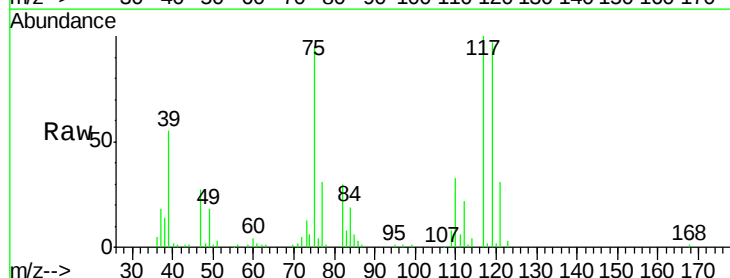
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD02

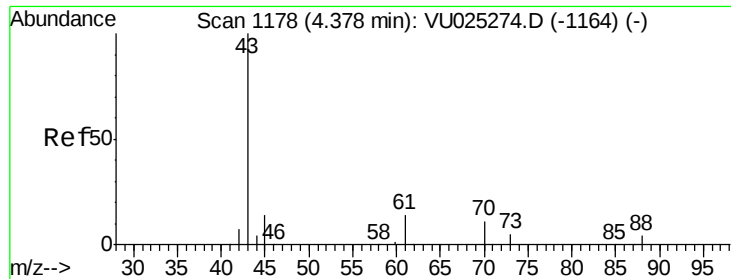
Tot Ion:113 Resp: 103096
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.7 122.5
 192 20.6 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 19.02 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

Tgt Ion: 75 Resp: 52725
 Ion Ratio Lower Upper
 75 100
 110 37.0 17.6 52.9
 77 31.5 24.4 36.6

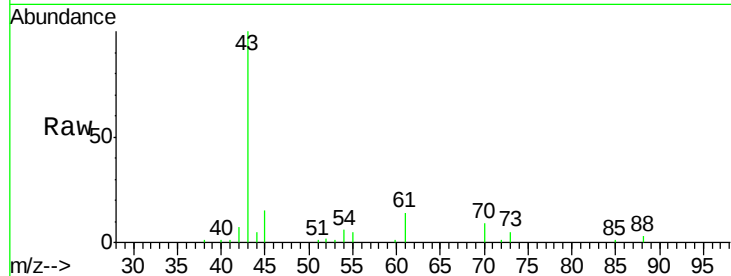




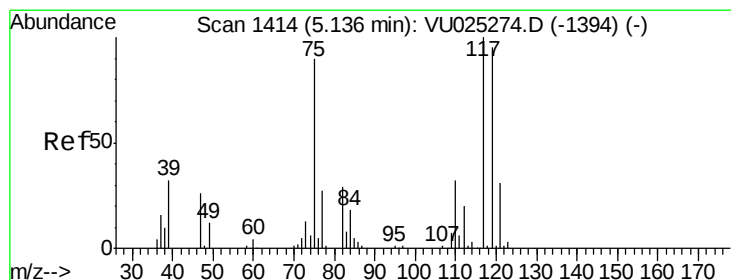
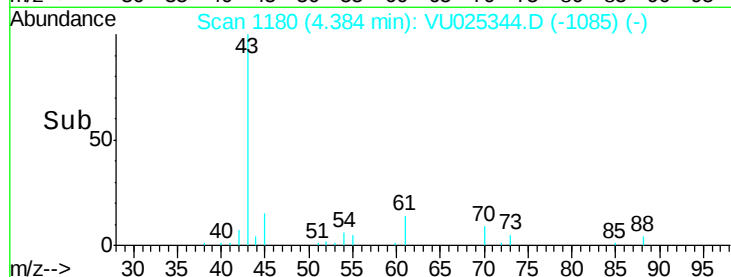
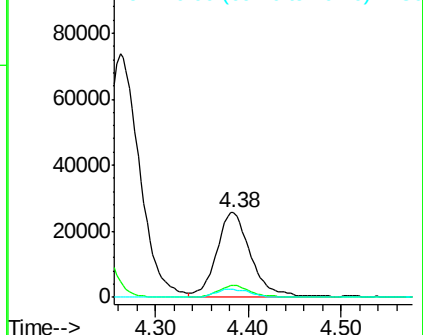
#37
Ethyl Acetate
Concen: 20.66 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD02

Tot Ion: 43 Resp: 63862
Ion Ratio Lower Upper
43 100
61 13.9 10.7 16.1
70 9.9 8.4 12.6

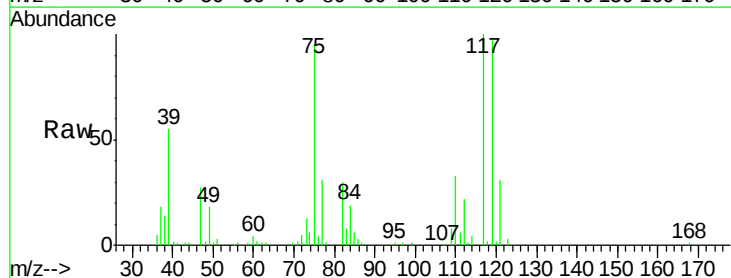


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

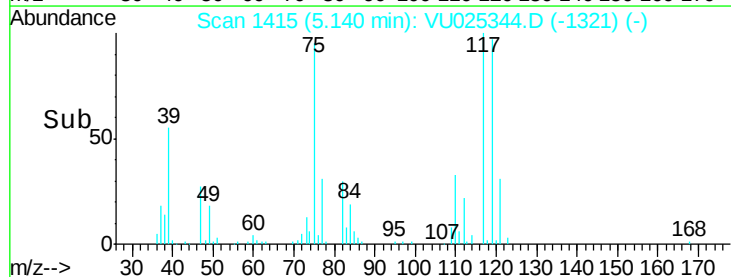
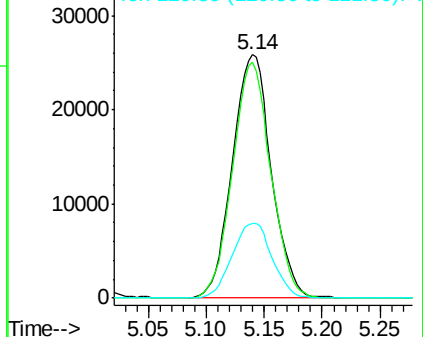


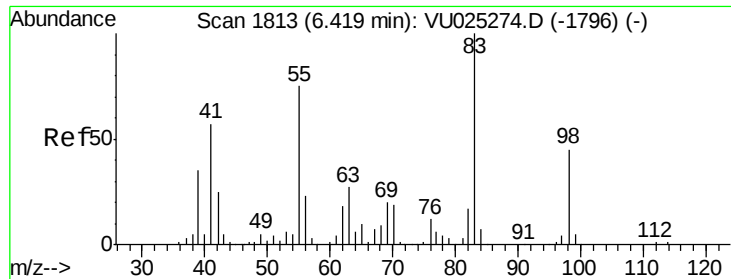
#38
Carbon Tetrachloride
Concen: 20.17 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Tgt Ion: 117 Resp: 60157
Ion Ratio Lower Upper
117 100
119 96.8 75.7 113.5
121 30.8 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

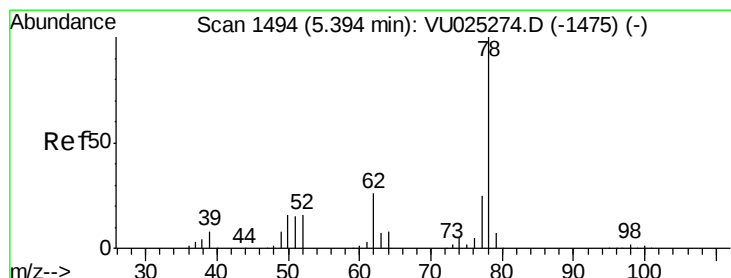
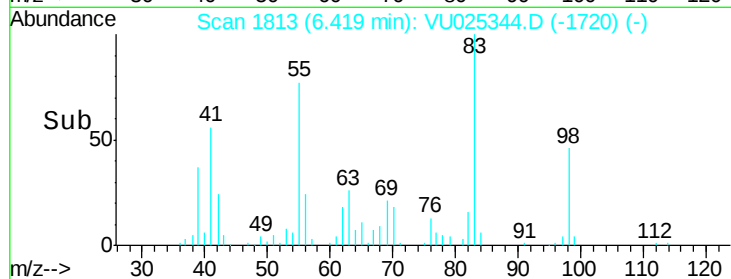
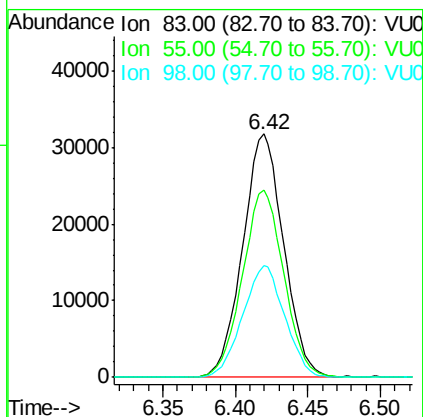
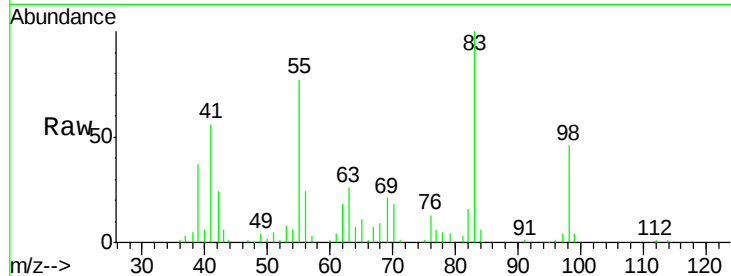




#39
Methvlcvclohexane
Concen: 18.08 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

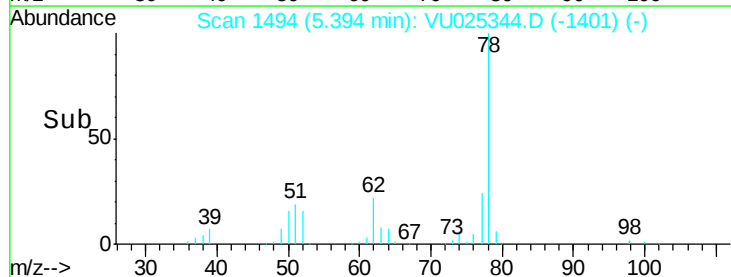
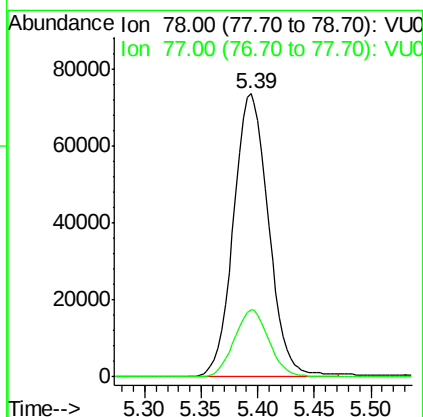
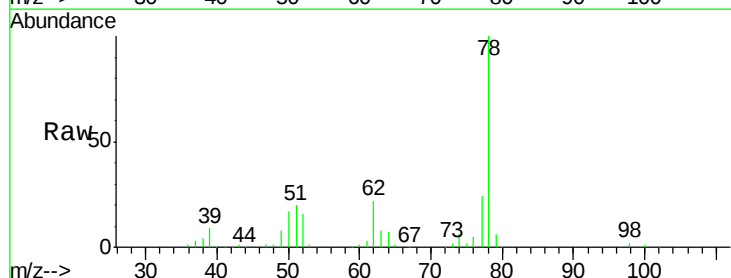
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD02

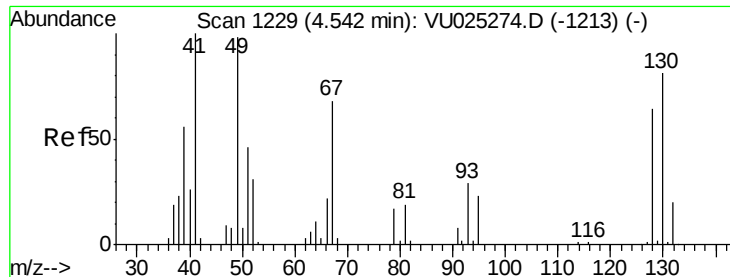
Tot Ion: 83 Resp: 62487
Ion Ratio Lower Upper
83 100
55 77.0 60.0 90.0
98 46.2 36.1 54.1



#40
Benzene
Concen: 19.90 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Tgt Ion: 78 Resp: 158901
Ion Ratio Lower Upper
78 100
77 23.9 19.8 29.6

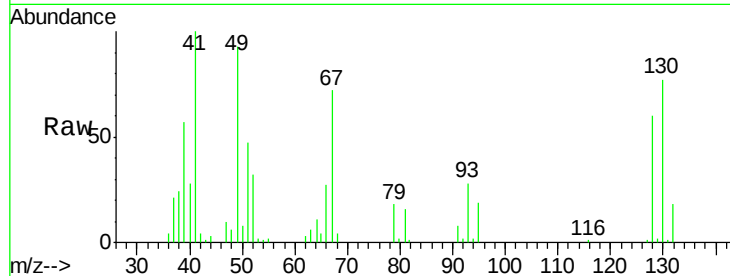




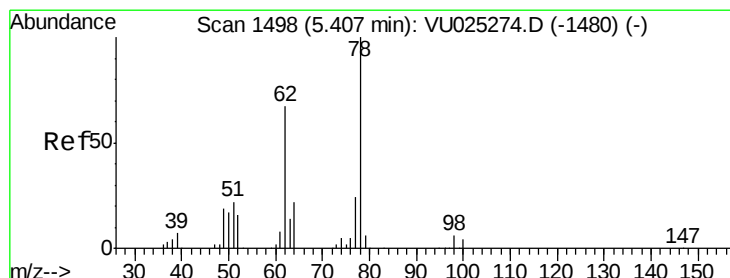
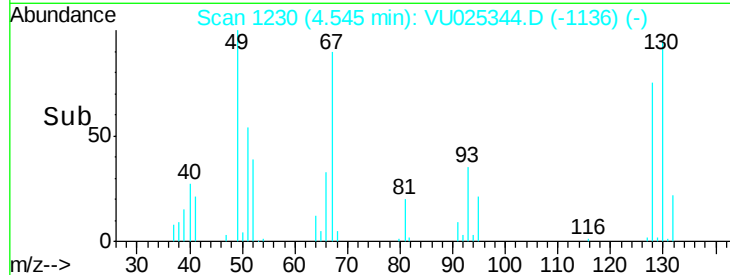
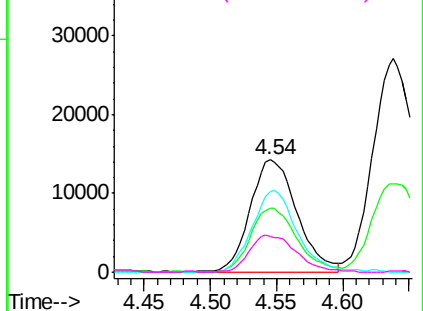
#41
Methacrylonitrile
Concen: 20.68 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD02

Tot Ion: 41 Resp: 35442
Ion Ratio Lower Upper
41 100
39 56.8 44.4 66.6
67 69.4 56.0 84.0
52 32.9 24.6 36.8

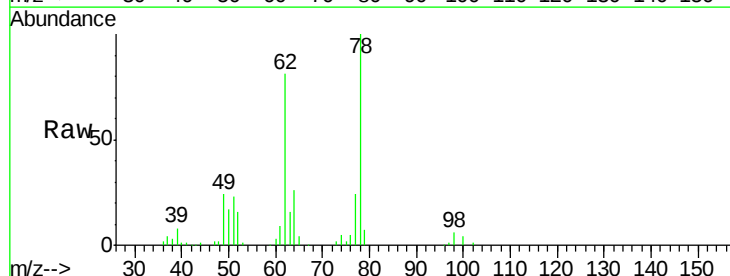


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

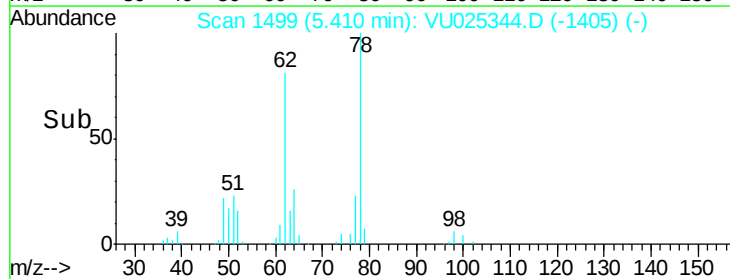
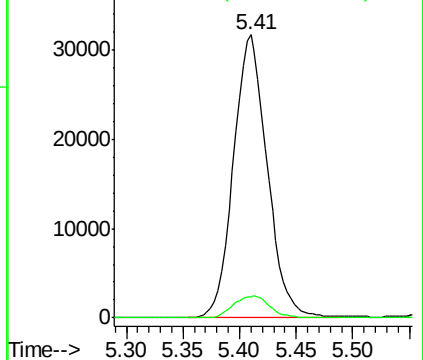


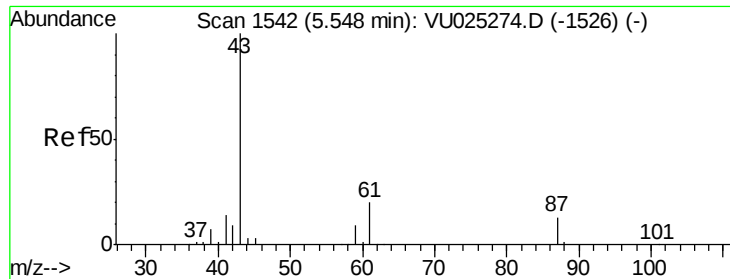
#42
1,2-Dichloroethane
Concen: 20.77 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Tgt Ion: 62 Resp: 65952
Ion Ratio Lower Upper
62 100
98 8.3 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 20.53 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD02

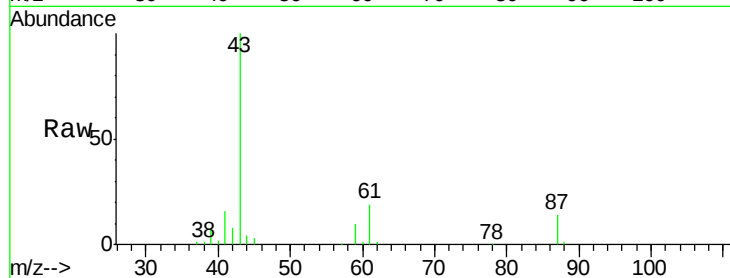
Tot Ion: 43 Resp: 101631

Ion Ratio Lower Upper

43 100

61 19.4 15.5 23.3

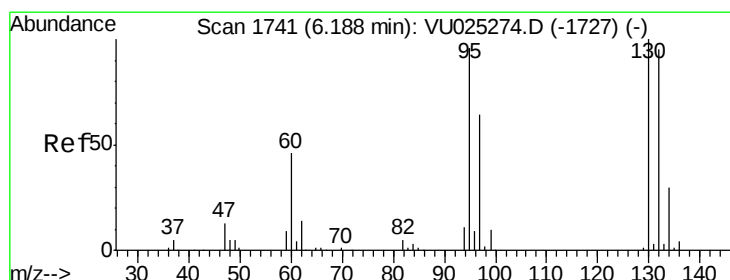
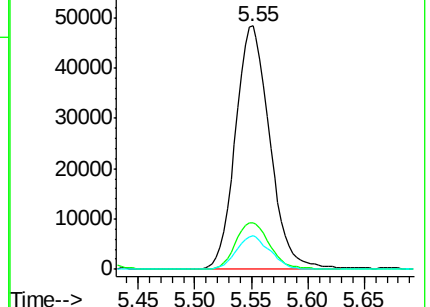
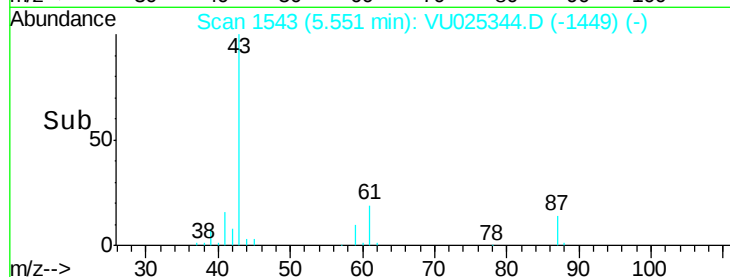
87 13.6 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 18.85 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025344.D

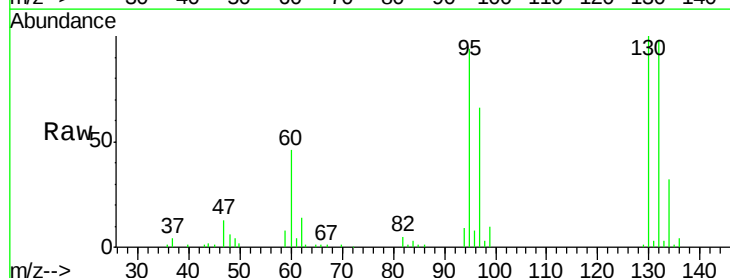
Acq: 12 Jul 2018 17:07

Tgt Ion: 130 Resp: 43235

Ion Ratio Lower Upper

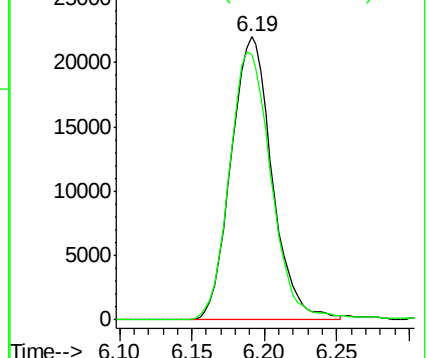
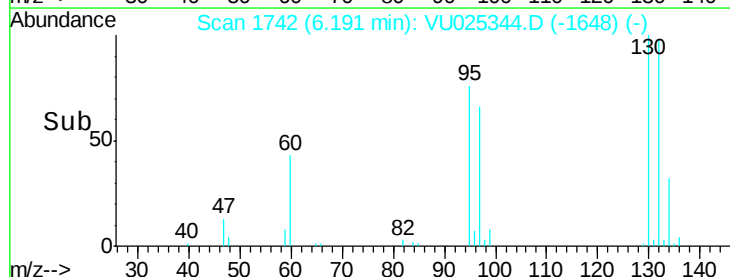
130 100

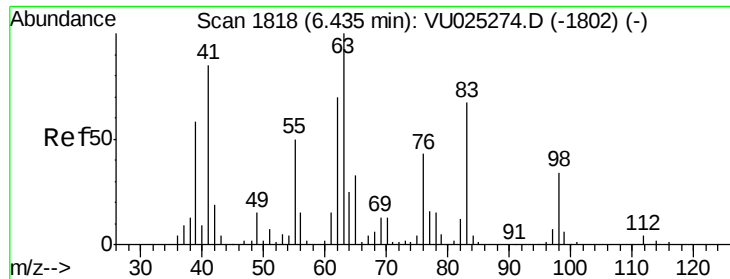
95 93.9 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 20.76 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

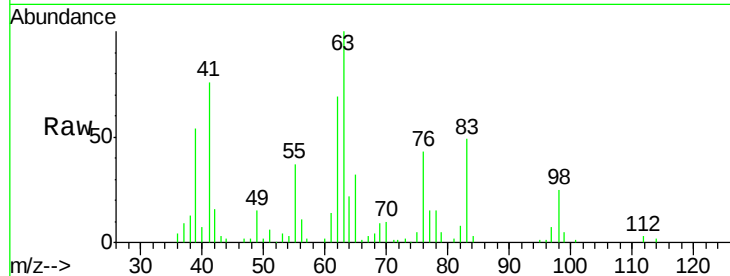
VU0712WBSD02

Tot Ion: 63 Resp: 43420

Ion Ratio Lower Upper

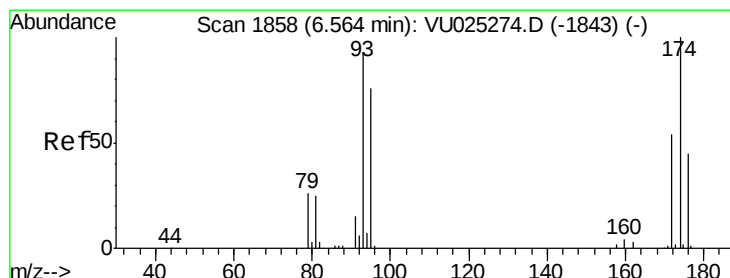
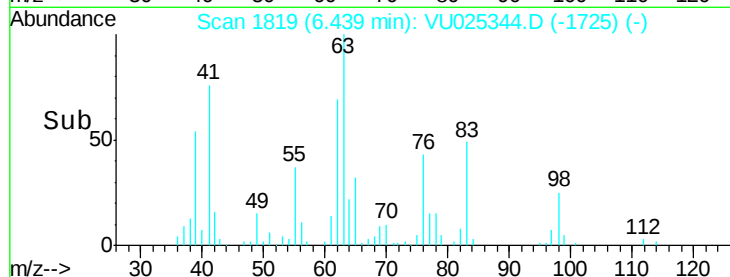
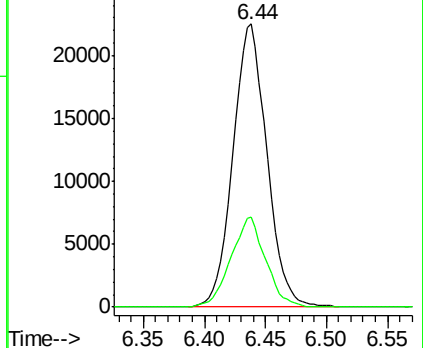
63 100

65 31.8 26.1 39.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 20.22 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

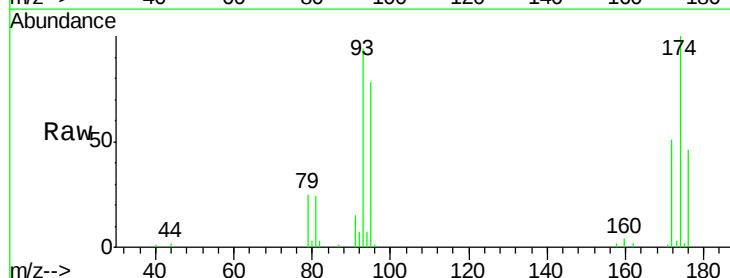
Tgt Ion: 93 Resp: 30785

Ion Ratio Lower Upper

93 100

95 81.8 66.6 100.0

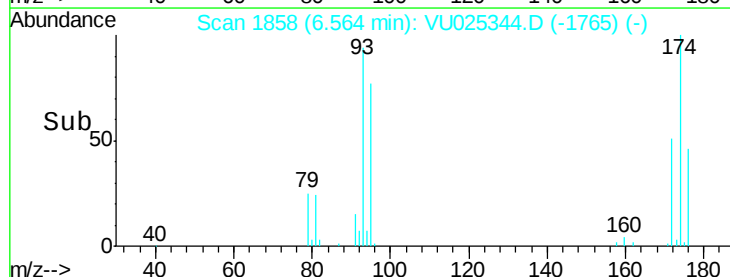
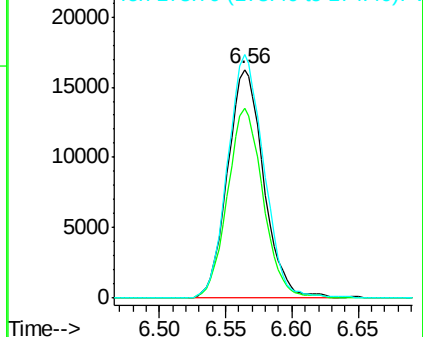
174 106.2 85.8 128.8

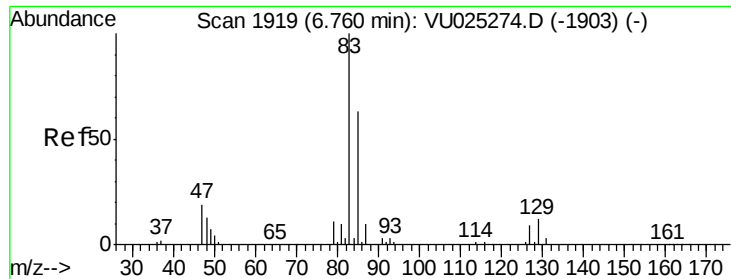


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.31 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD02

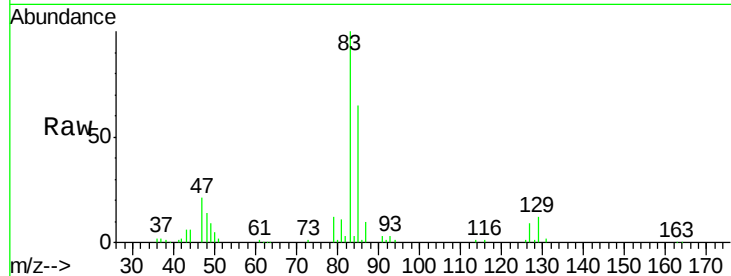
Tot Ion: 83 Resp: 57431

Ion Ratio Lower Upper

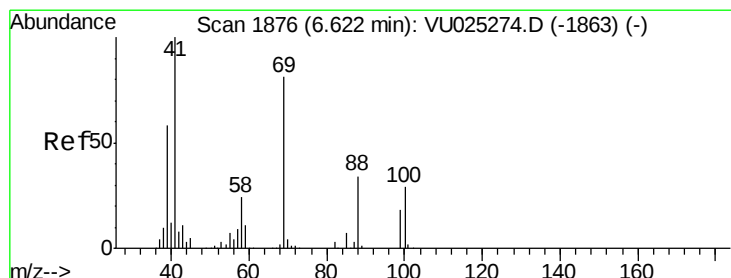
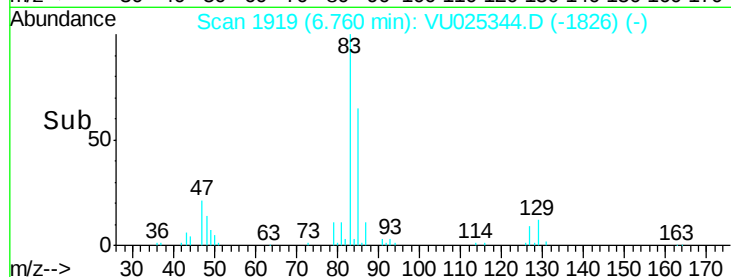
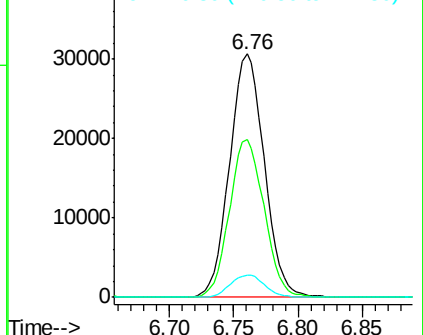
83 100

85 64.6 50.2 75.4

127 9.2 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.99 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

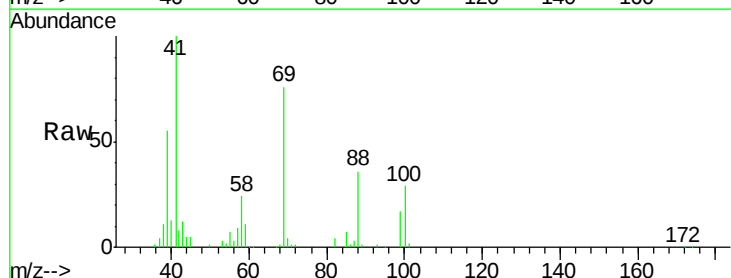
Tgt Ion: 41 Resp: 51796

Ion Ratio Lower Upper

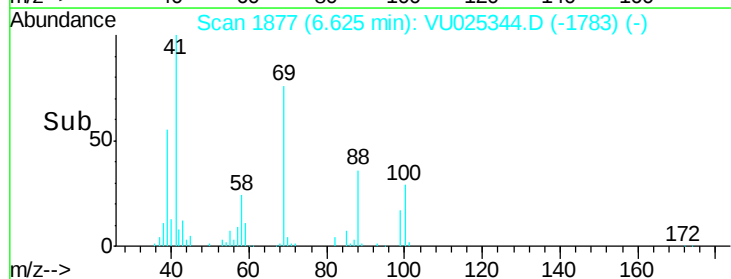
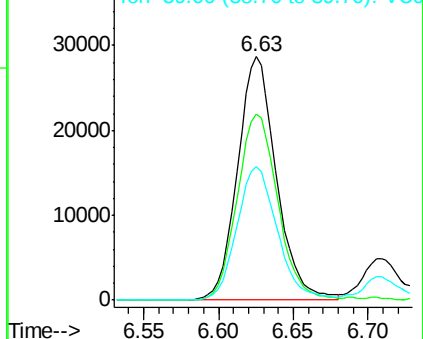
41 100

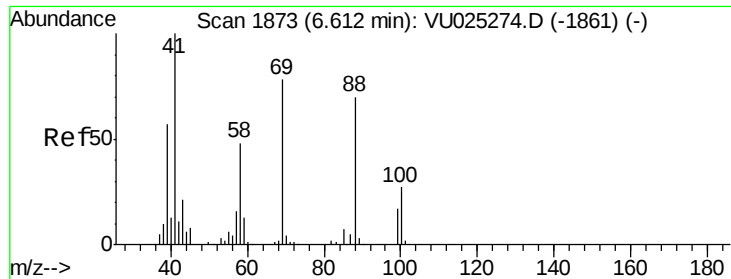
69 79.8 65.0 97.4

39 57.2 46.4 69.6



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

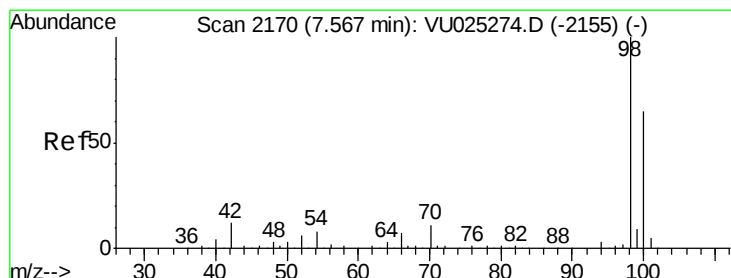
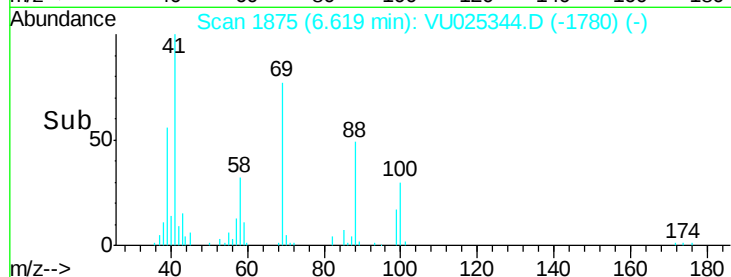
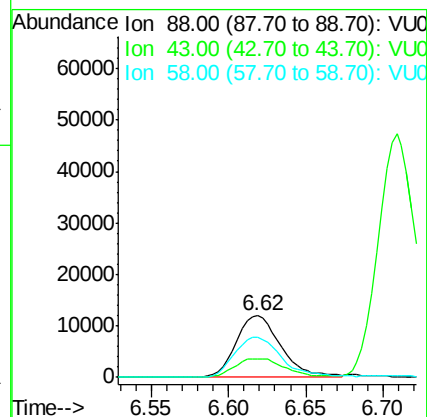
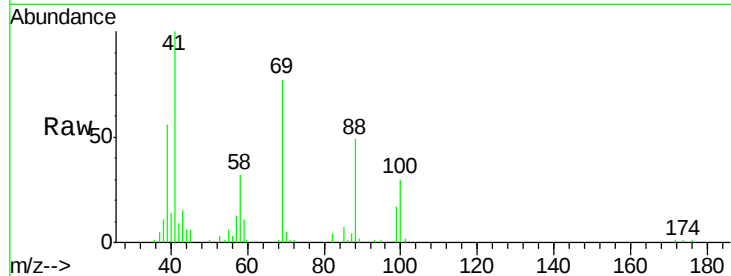




#49
1,4-Dioxane
Concen: 405.82 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

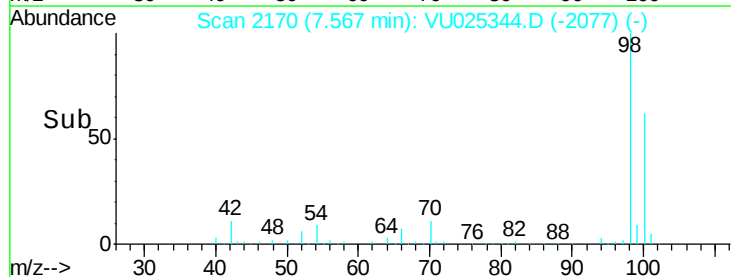
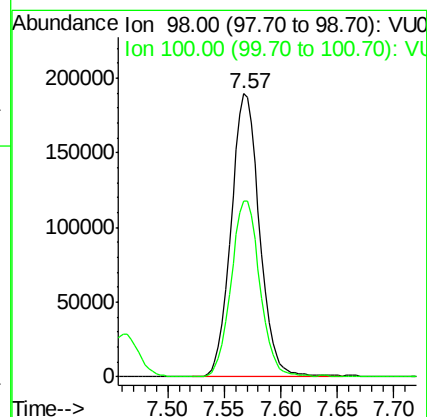
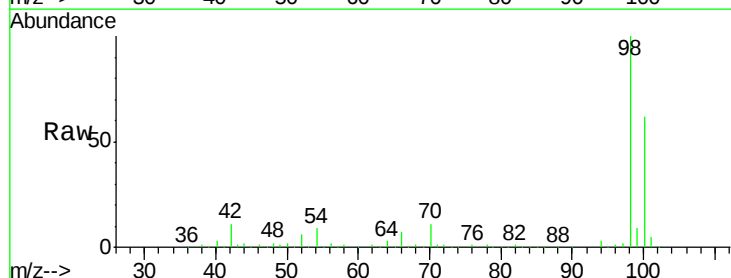
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD02

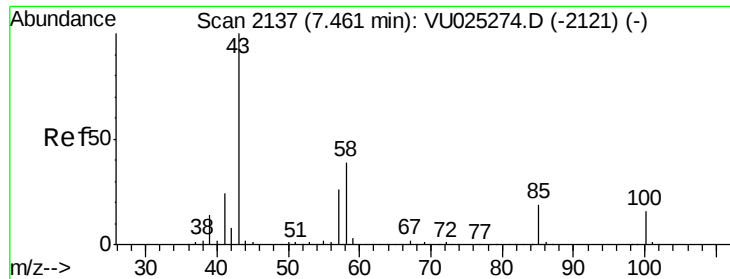
Tot Ion: 88 Resp: 24094
Ion Ratio Lower Upper
88 100
43 33.5 27.3 40.9
58 69.3 57.6 86.4



#50
Toluene-d8
Concen: 46.24 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Tgt Ion: 98 Resp: 332987
Ion Ratio Lower Upper
98 100
100 62.5 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 102.47 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

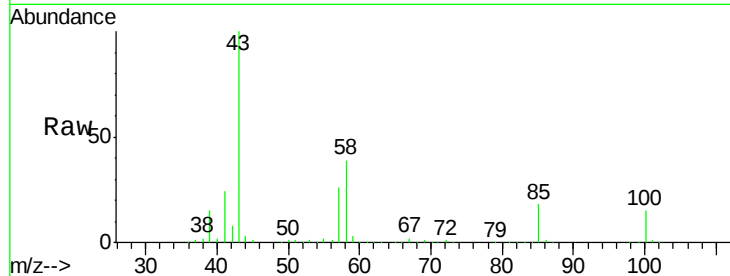
VU0712WBSD02

Tot Ion: 43 Resp: 329645

Ion Ratio Lower Upper

43 100

58 38.5 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

200000

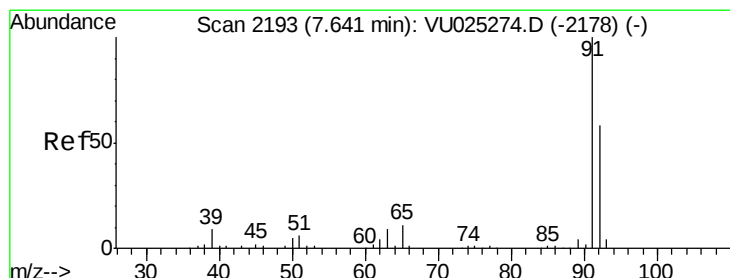
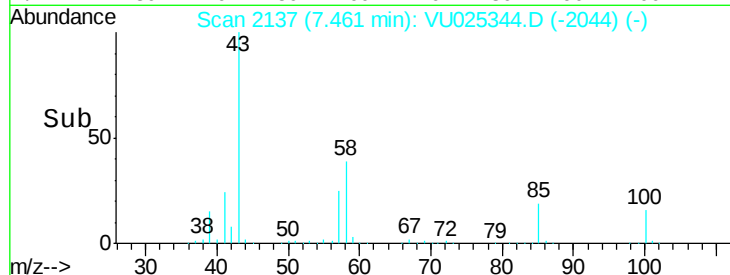
150000

100000

50000

0

Time--> 7.35 7.40 7.45 7.50 7.55



#52

Toluene

Concen: 19.89 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025344.D

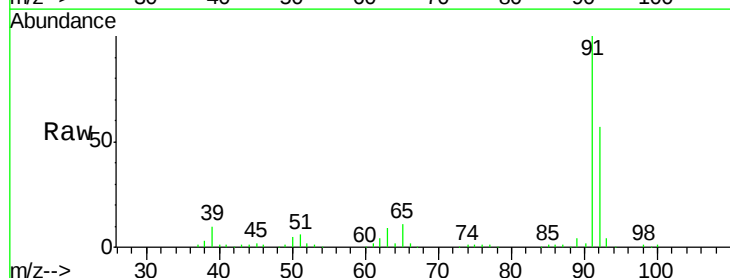
Acq: 12 Jul 2018 17:07

Tgt Ion: 92 Resp: 101070

Ion Ratio Lower Upper

92 100

91 174.4 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

120000

100000

80000

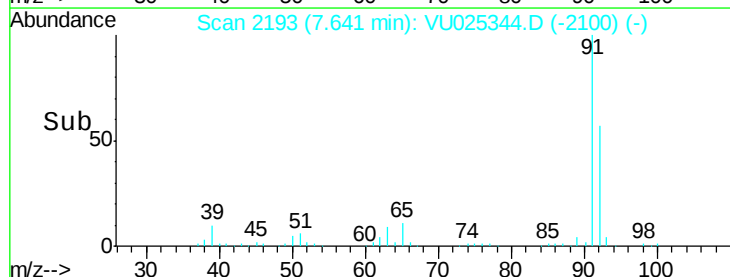
60000

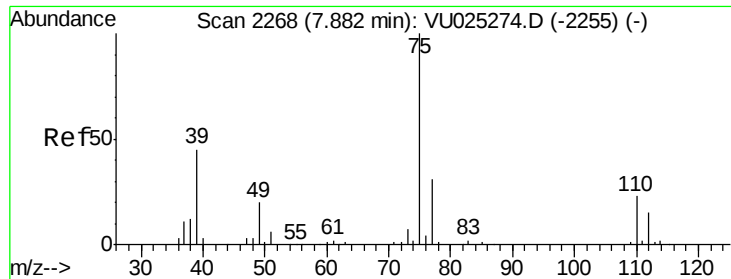
40000

20000

0

Time--> 7.55 7.60 7.65 7.70 7.75

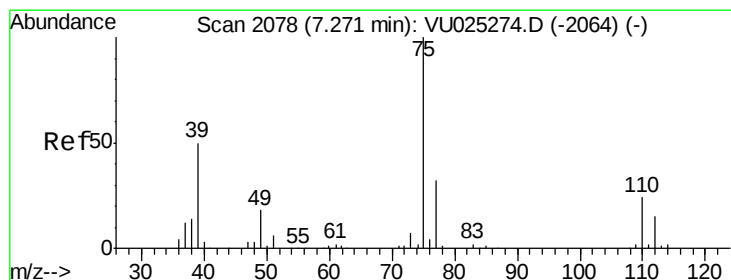
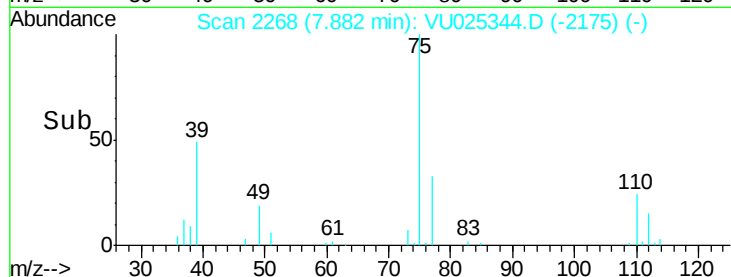
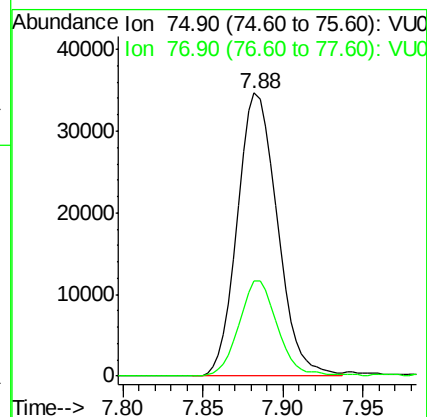
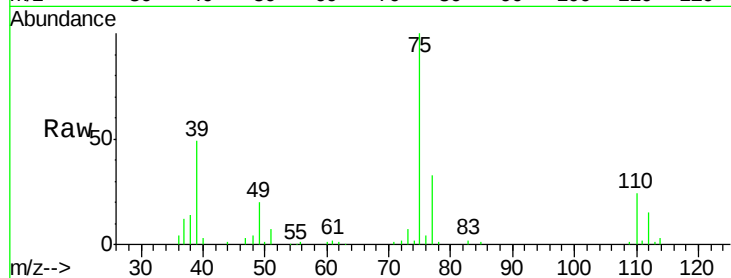




#53
t-1,3-Dichloropropene
Concen: 19.03 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

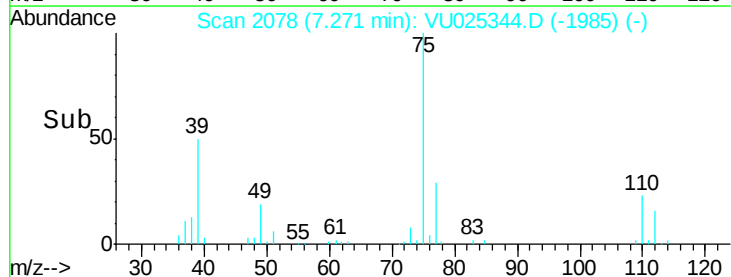
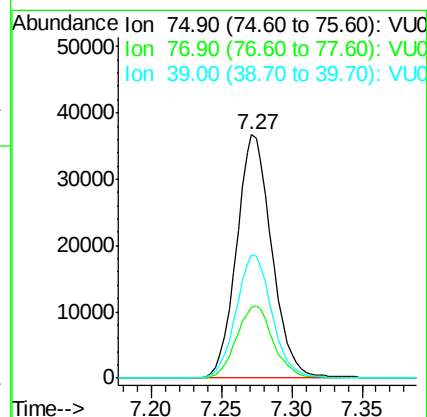
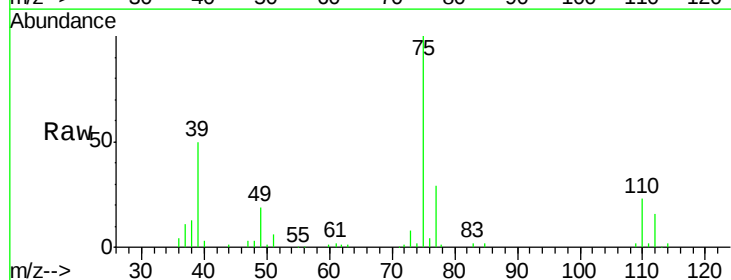
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD02

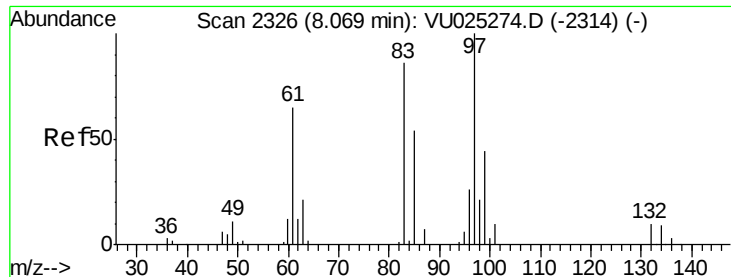
Tot Ion: 75 Resp: 59138
Ion Ratio Lower Upper
75 100
77 33.4 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 19.42 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Tgt Ion: 75 Resp: 64209
Ion Ratio Lower Upper
75 100
77 29.1 25.6 38.4
39 50.4 40.0 60.0

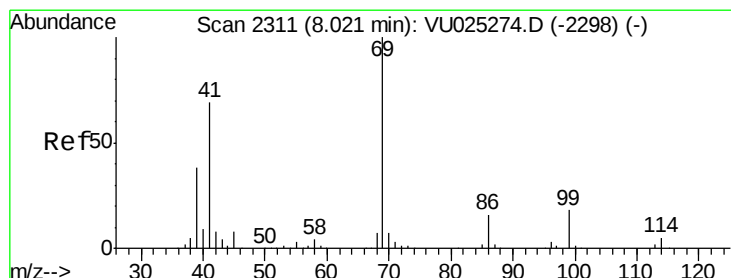
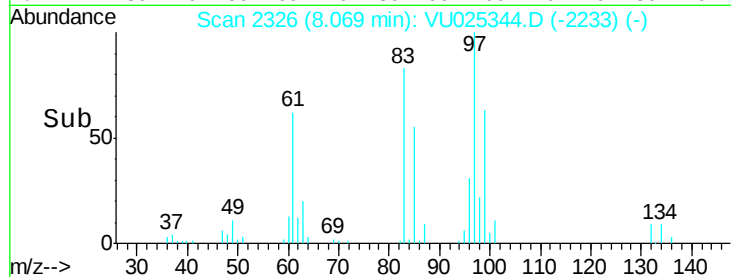
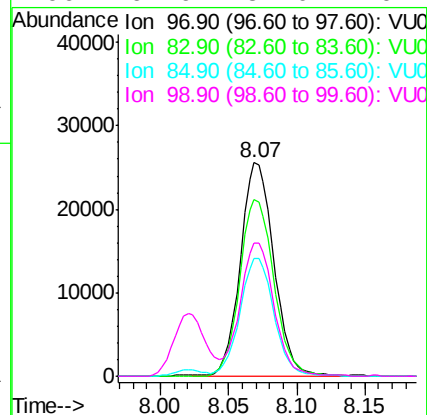
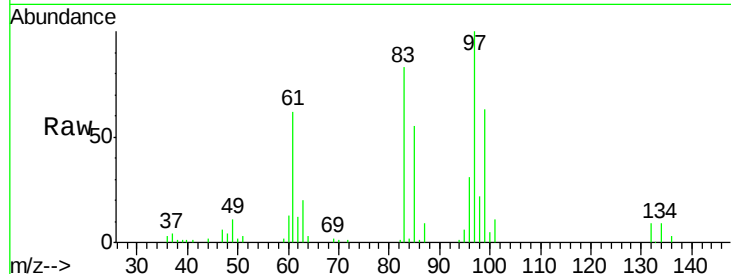




#55
 1,1,2-Trichloroethane
 Concen: 20.73 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

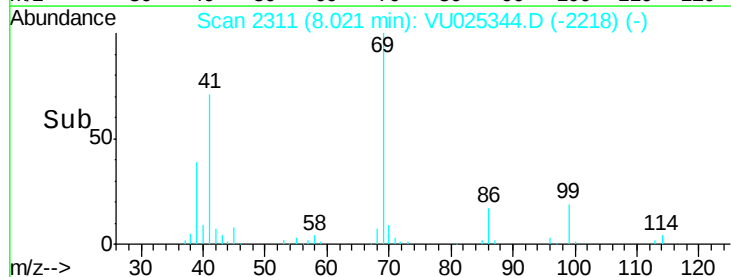
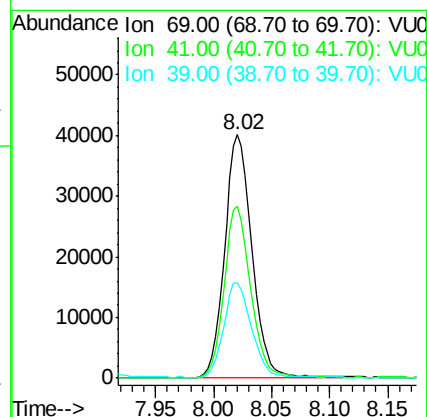
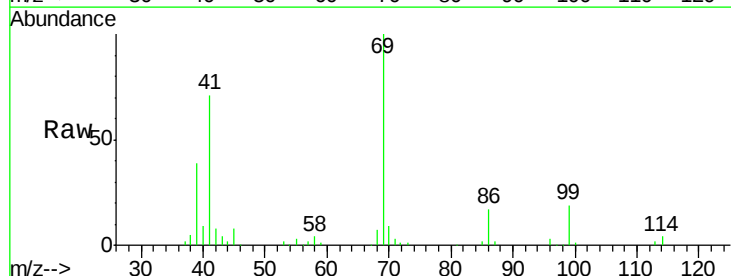
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD02

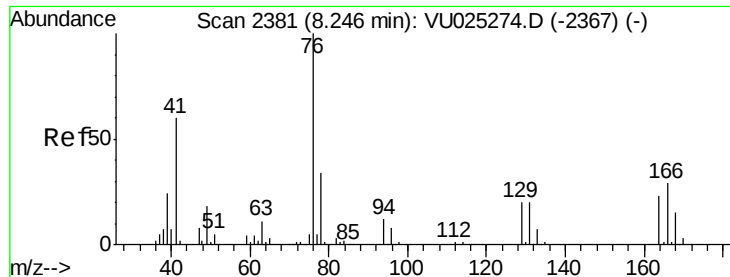
Tot Ion:	97	Resp:	43866
Ion	Ratio	Lower	Upper
97	100		
83	82.8	68.9	103.3
85	54.9	44.4	66.6
99	61.9	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 20.00 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

Tgt Ion:	69	Resp:	66107
Ion	Ratio	Lower	Upper
69	100		
41	68.8	54.8	82.2
39	39.3	31.1	46.7

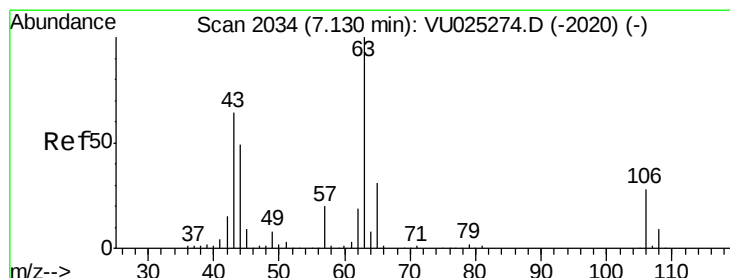
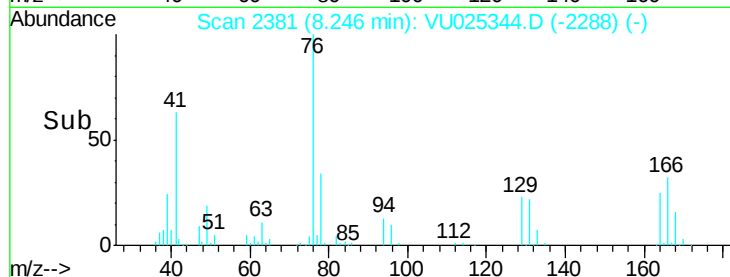
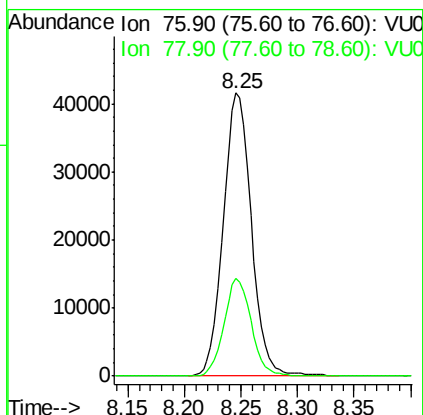
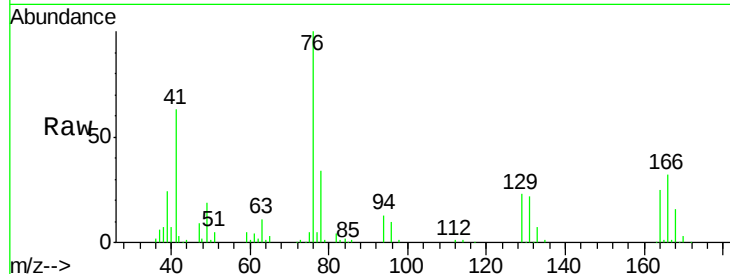




#57
 1,3-Dichloropropane
 Concen: 20.48 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

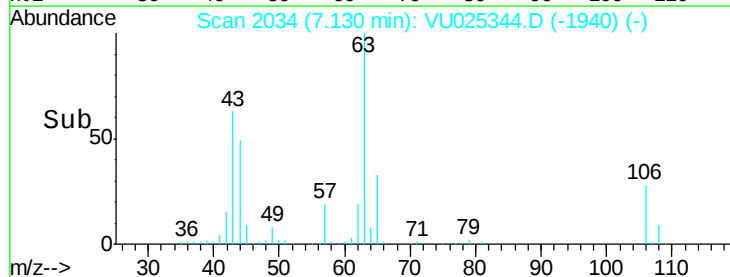
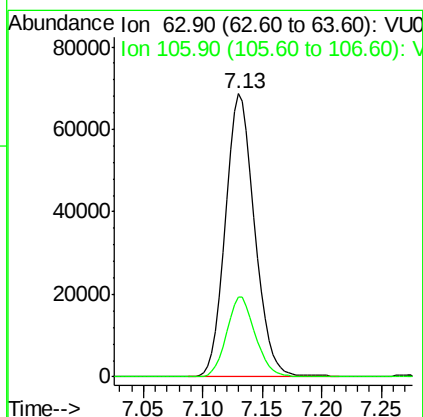
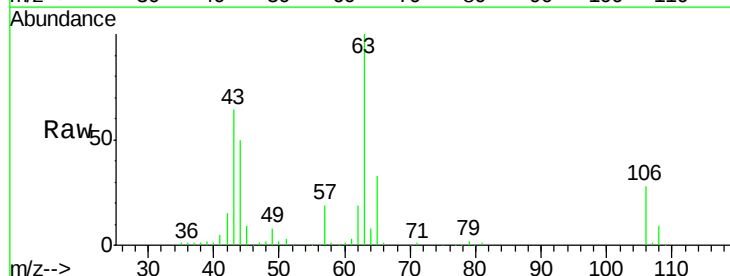
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD02

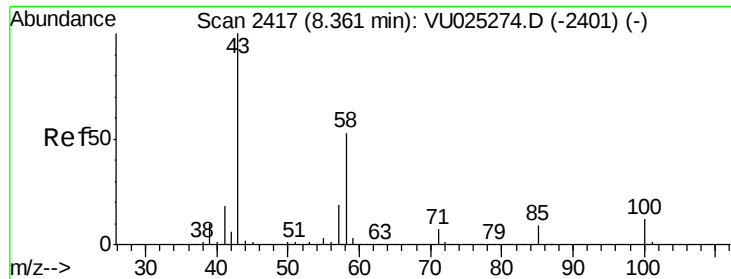
Tot Ion: 76 Resp: 71963
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 79.78 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

Tgt Ion: 63 Resp: 116997
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.3 33.5

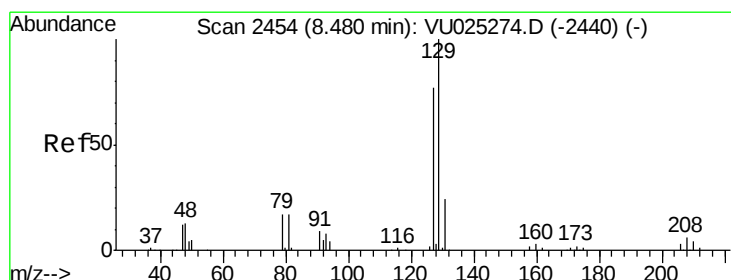
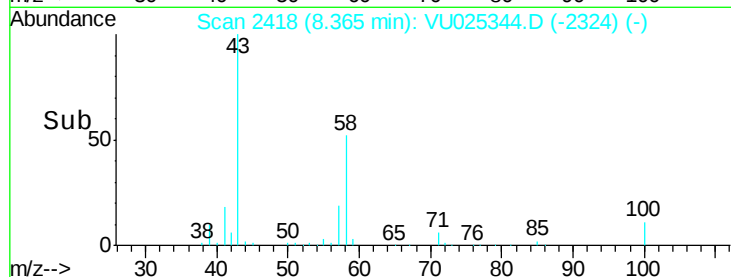
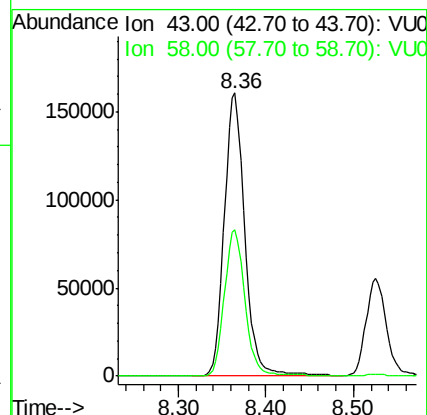
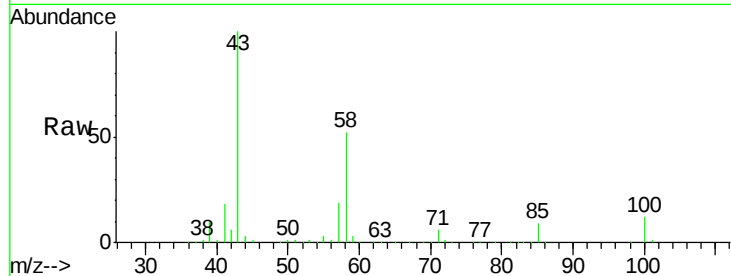




#59
2-Hexanone
Concen: 100.86 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

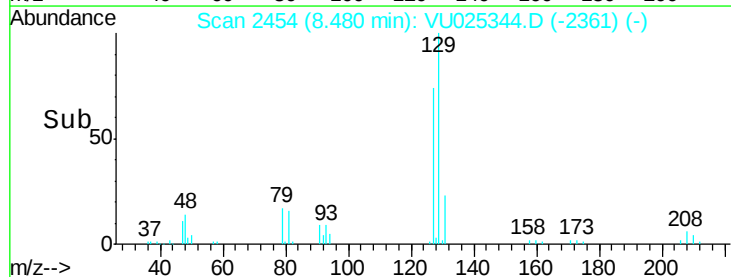
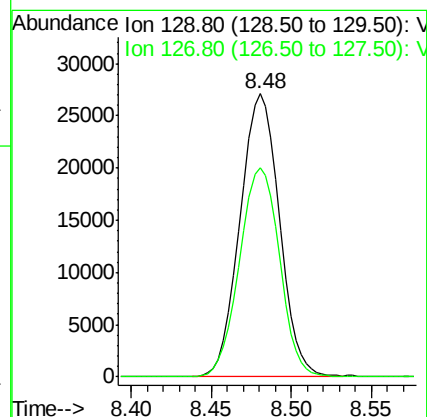
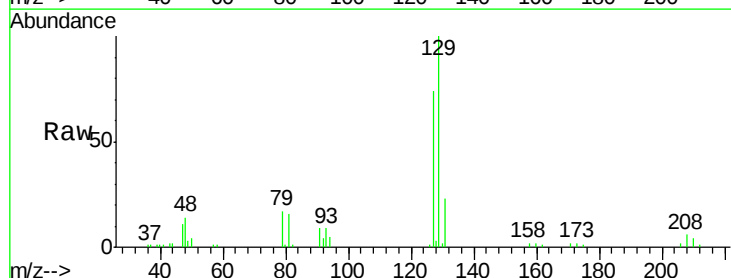
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD02

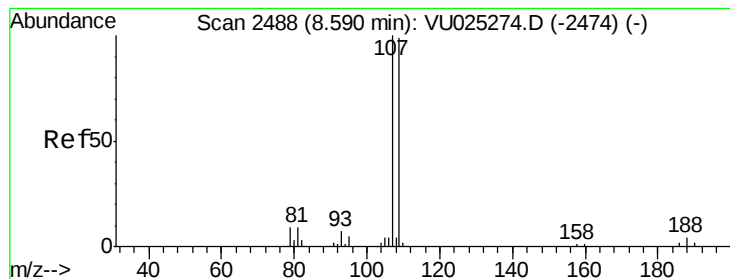
Tot Ion: 43 Resp: 263179
Ion Ratio Lower Upper
43 100
58 51.4 26.2 78.5



#60
Dibromochloromethane
Concen: 19.96 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Tgt Ion:129 Resp: 45607
Ion Ratio Lower Upper
129 100
127 75.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.25 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

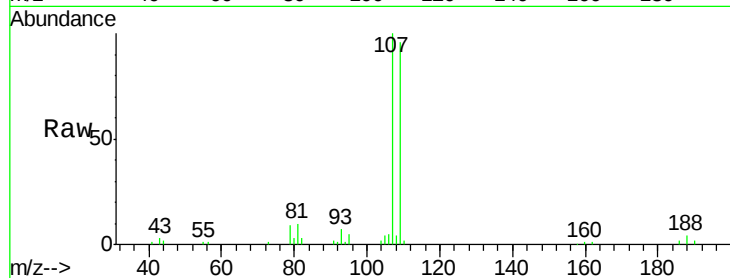
VU0712WBSD02

Tot Ion:107 Resp: 45859

Ion Ratio Lower Upper

107 100

109 94.1 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

25000

20000

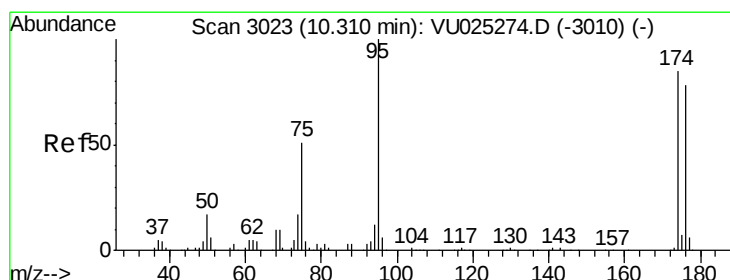
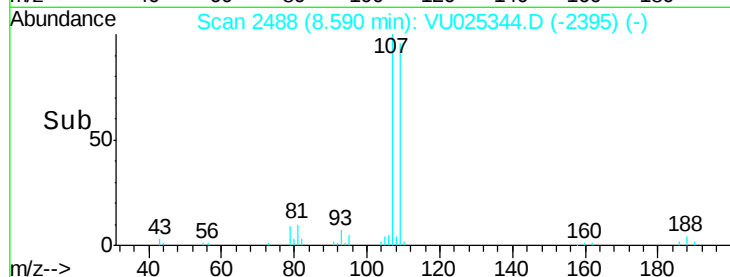
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 46.61 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

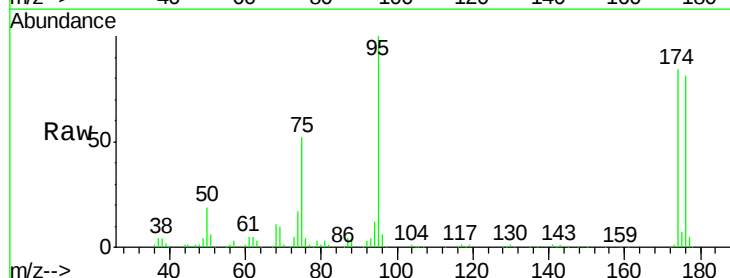
Tgt Ion: 95 Resp: 135138

Ion Ratio Lower Upper

95 100

174 85.3 0.0 172.2

176 82.1 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

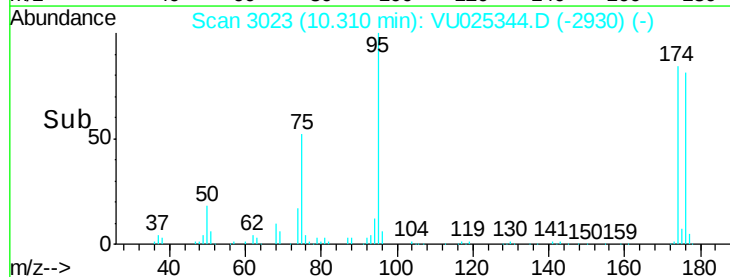
60000

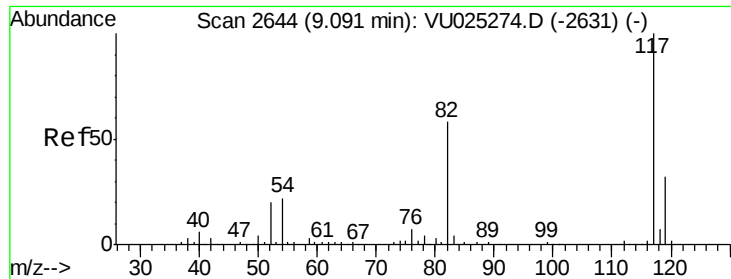
40000

20000

0

Time--> 10.30 10.31 10.32 10.33 10.34 10.35 10.36 10.37 10.38 10.39 10.40

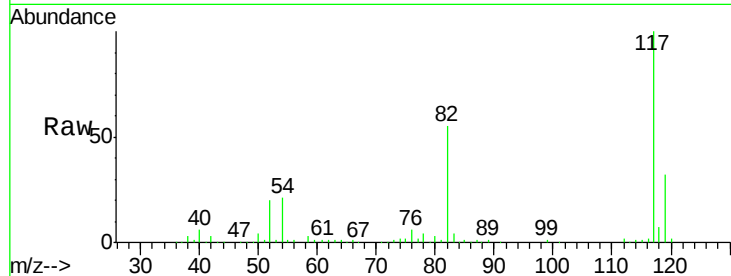




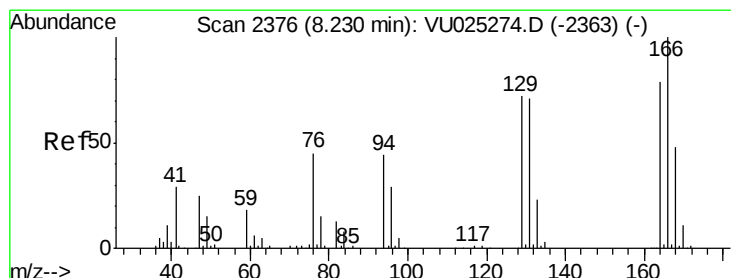
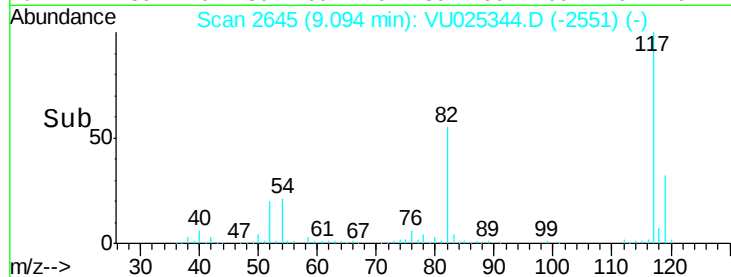
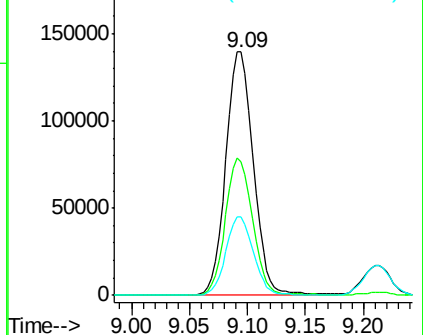
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD02

Tot Ion:117 Resp: 231315
Ion Ratio Lower Upper
117 100
82 55.1 46.0 69.0
119 32.2 26.0 39.0

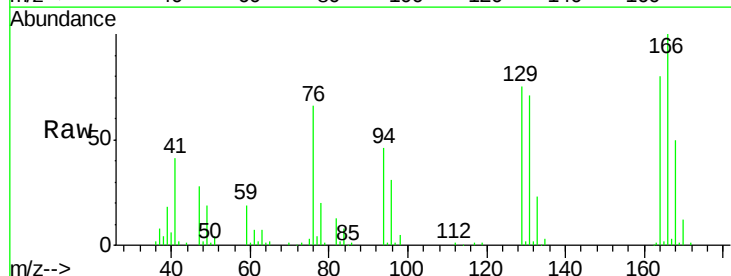


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

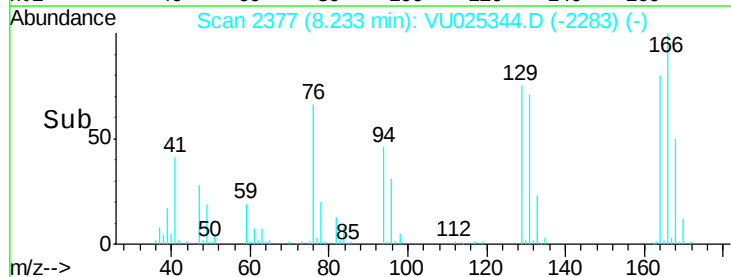
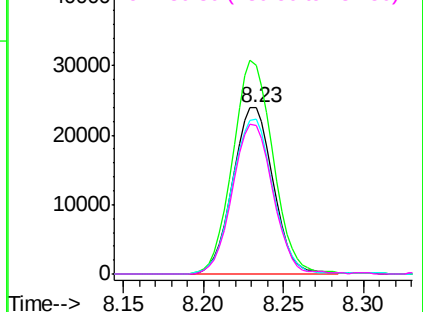


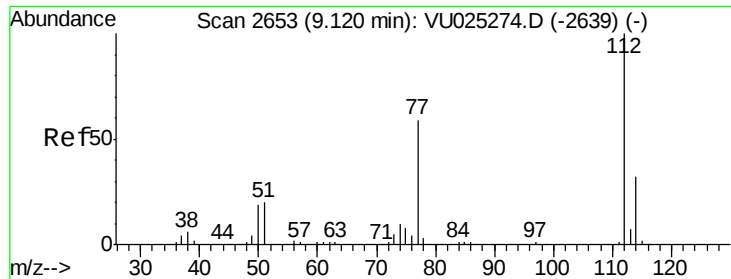
#64
Tetrachloroethene
Concen: 19.60 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Tgt Ion:164 Resp: 41323
Ion Ratio Lower Upper
164 100
166 125.3 101.1 151.7
129 93.3 73.0 109.6
131 89.2 72.1 108.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

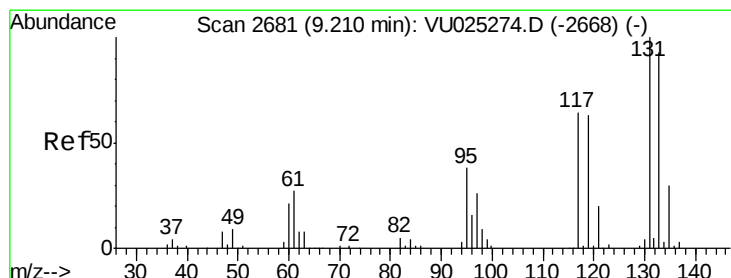
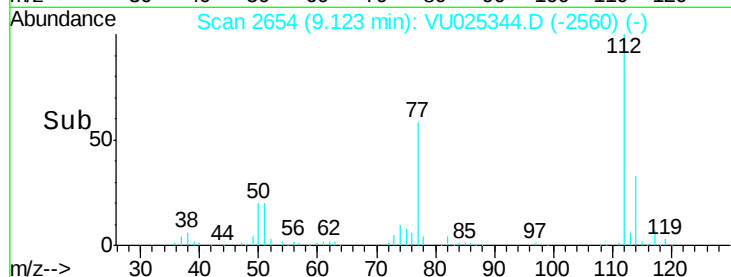
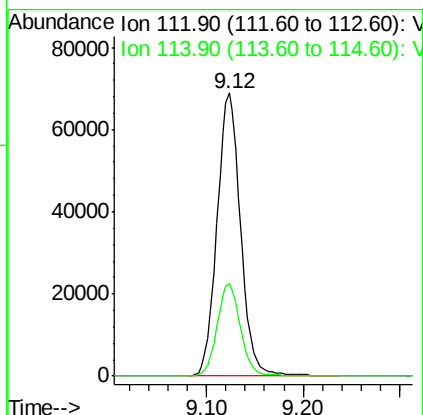
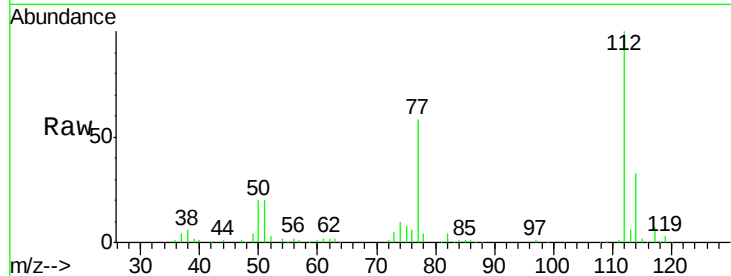




#65
Chlorobenzene
Concen: 20.11 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

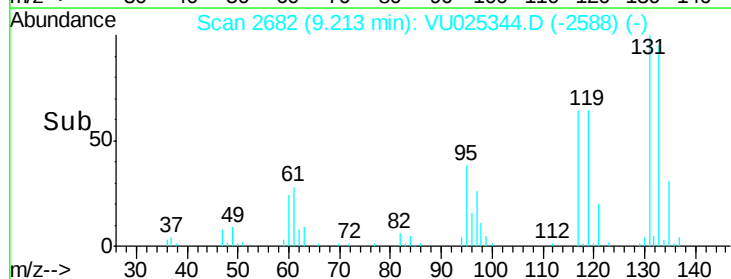
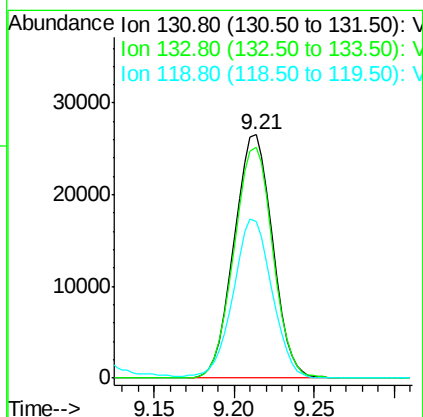
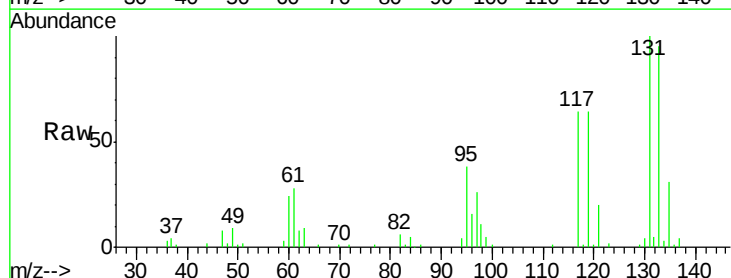
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD02

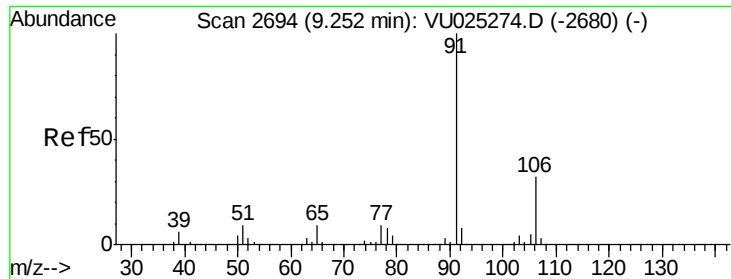
Tot Ion:112 Resp: 116210
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.07 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Tgt Ion:131 Resp: 43542
Ion Ratio Lower Upper
131 100
133 95.7 47.8 143.3
119 65.6 31.6 95.0





#67

Ethyl Benzene

Concen: 20.10 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

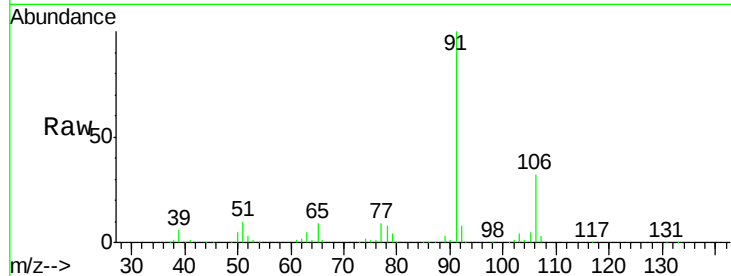
VU0712WBSD02

Tot Ion: 91 Resp: 197976

Ion Ratio Lower Upper

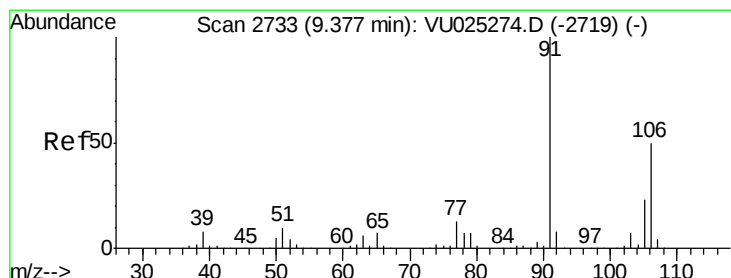
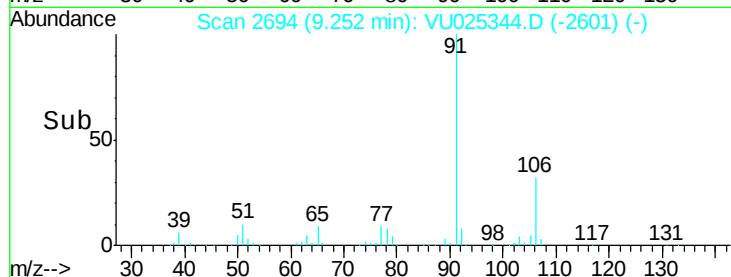
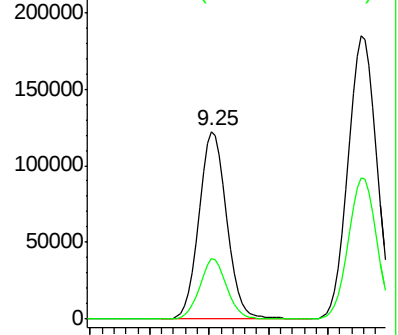
91 100

106 32.3 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.59 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025344.D

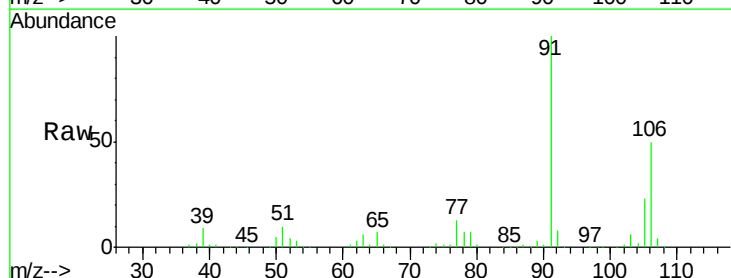
Acq: 12 Jul 2018 17:07

Tgt Ion: 106 Resp: 154605

Ion Ratio Lower Upper

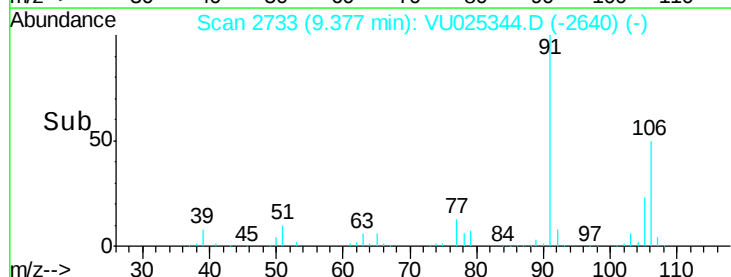
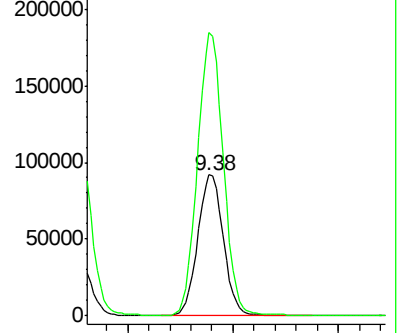
106 100

91 202.3 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

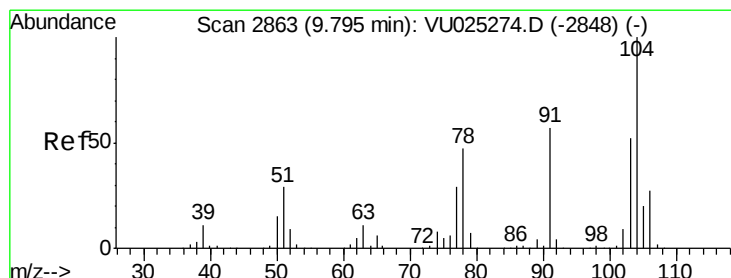
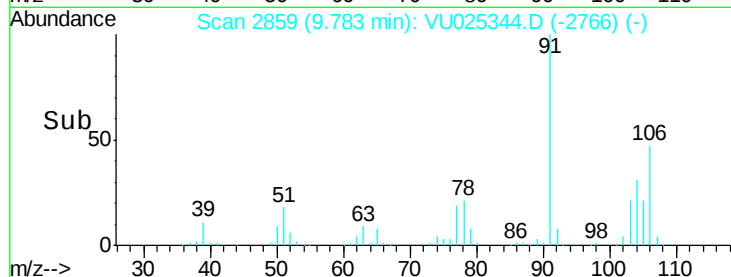
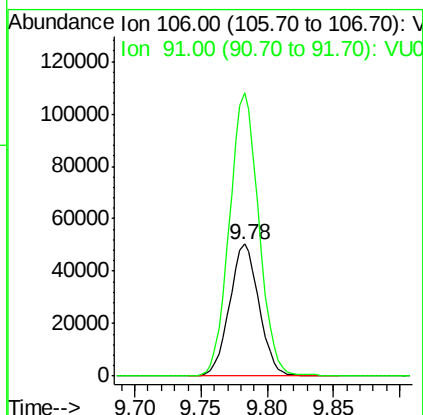
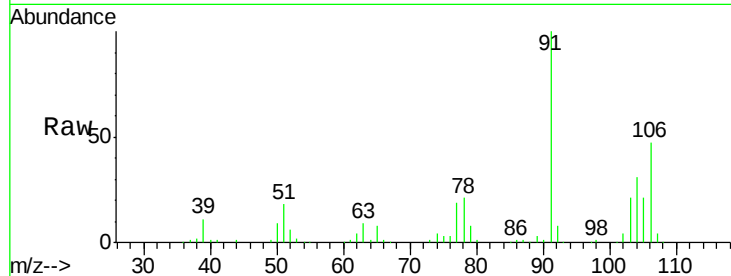




#69
o-Xylene
Concen: 20.38 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

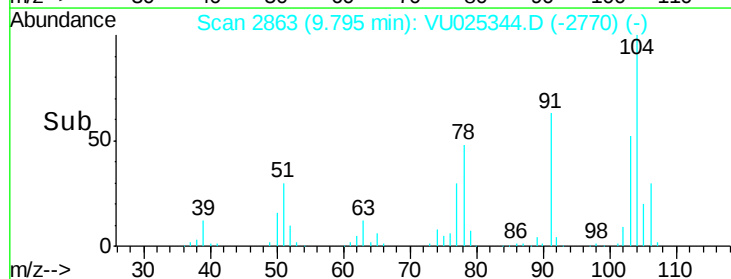
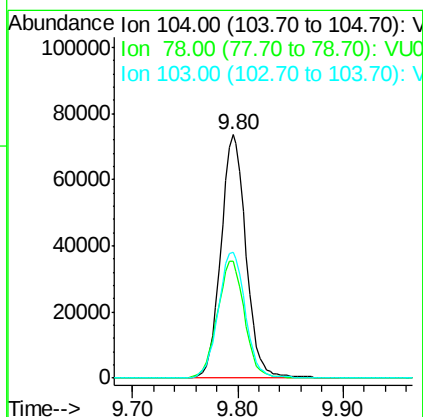
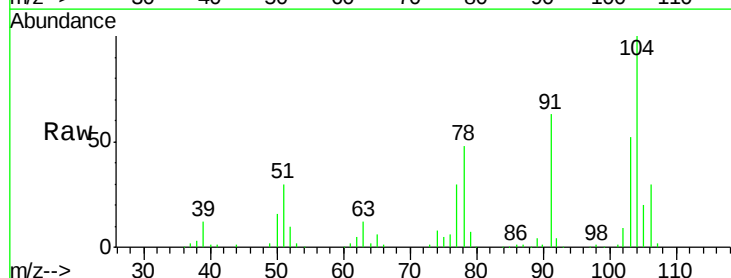
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD02

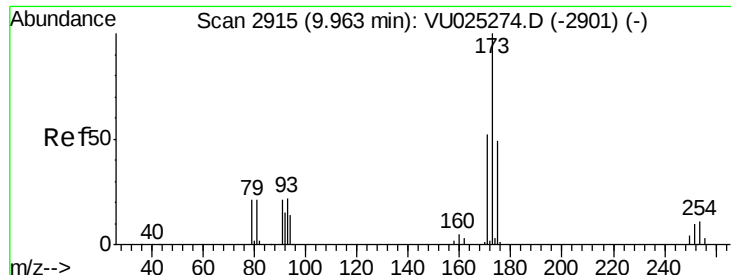
Tot Ion:106 Resp: 77700
Ion Ratio Lower Upper
106 100
91 214.4 105.3 315.8



#70
Styrene
Concen: 19.98 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Tgt Ion:104 Resp: 120992
Ion Ratio Lower Upper
104 100
78 52.1 41.6 62.4
103 56.0 44.6 66.8





#71

Bromoform

Concen: 20.02 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD02

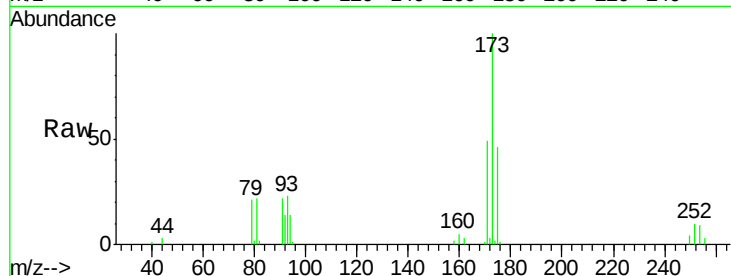
Tot Ion:173 Resp: 33943

Ion Ratio Lower Upper

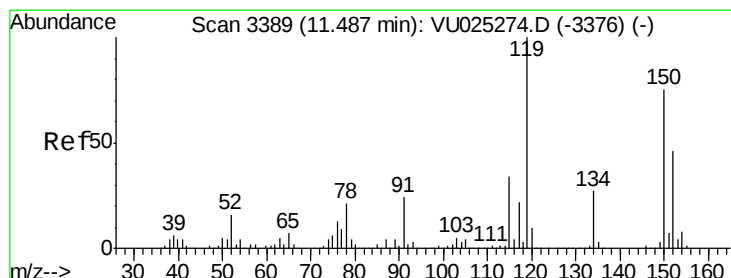
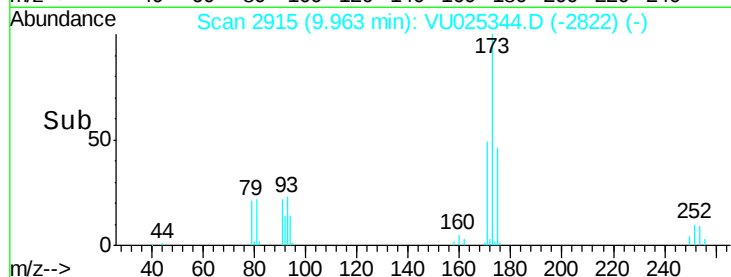
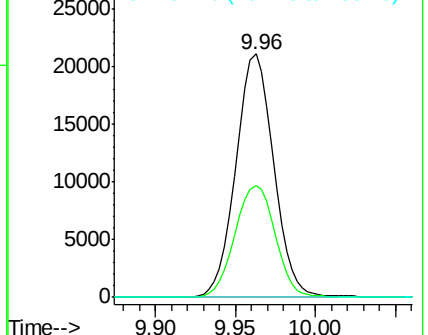
173 100

175 48.8 24.0 72.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

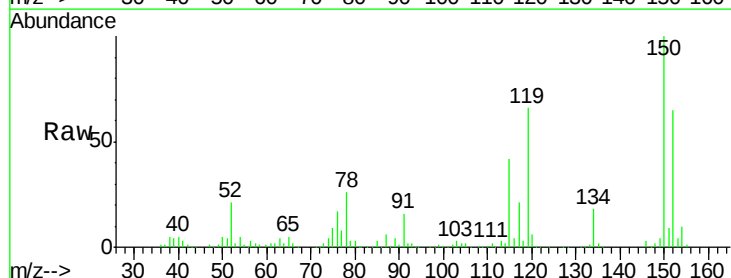
Tgt Ion:152 Resp: 133758

Ion Ratio Lower Upper

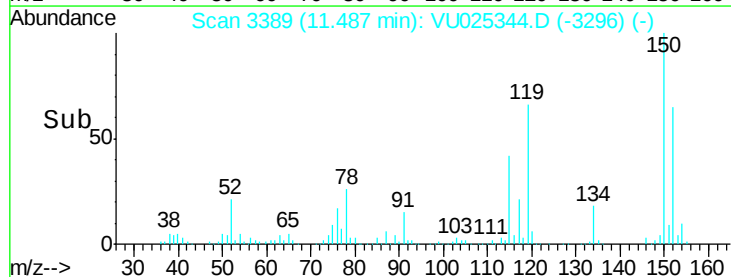
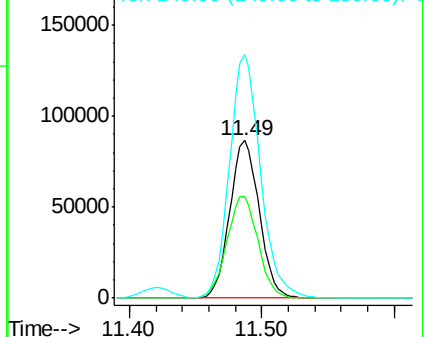
152 100

115 67.9 40.1 120.3

150 162.0 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.21 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

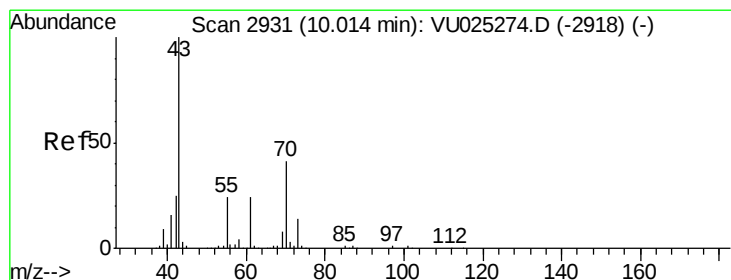
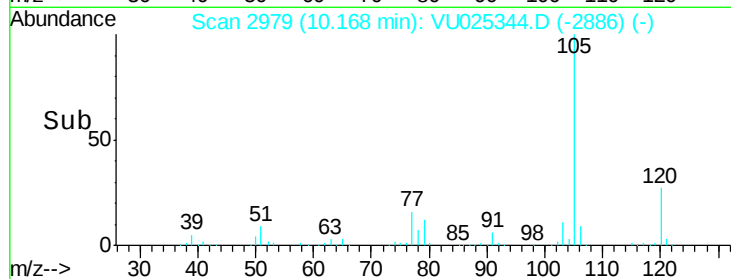
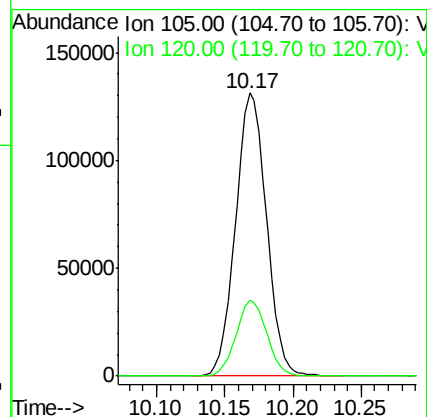
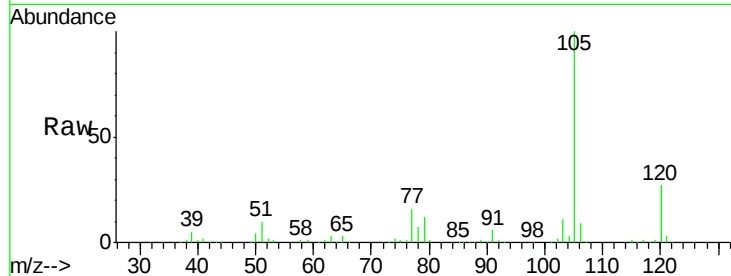
VU0712WBSD02

Tot Ion:105 Resp: 206504

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.5



#74

N-ethyl acetate

Concen: 21.29 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Tgt Ion: 43 Resp: 85935

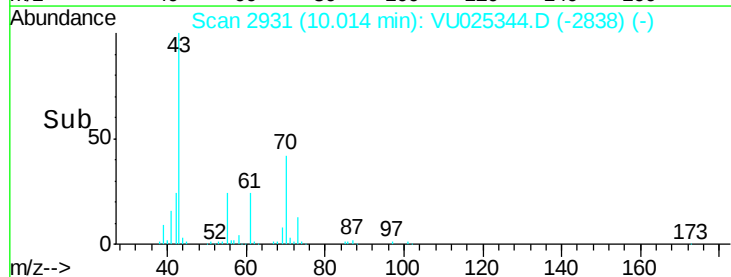
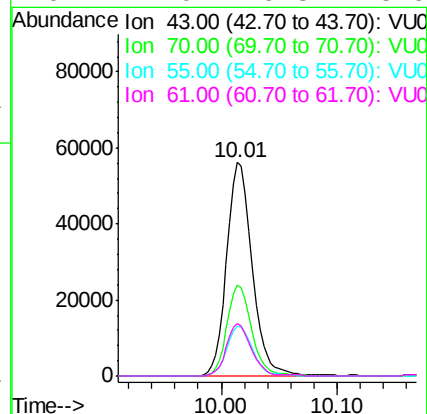
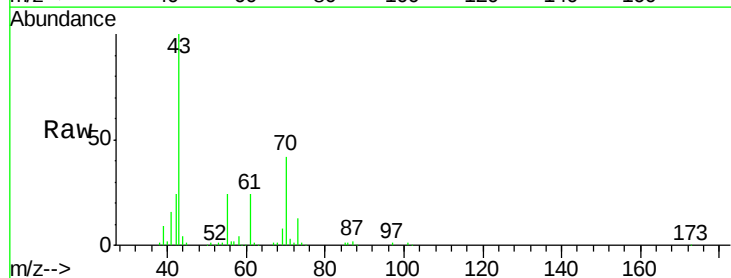
Ion Ratio Lower Upper

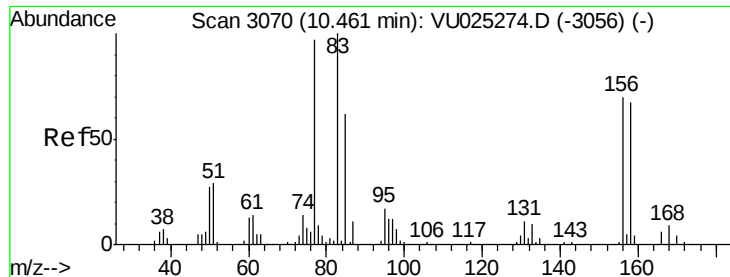
43 100

70 41.1 33.4 50.2

55 23.7 19.0 28.6

61 24.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.86 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD02

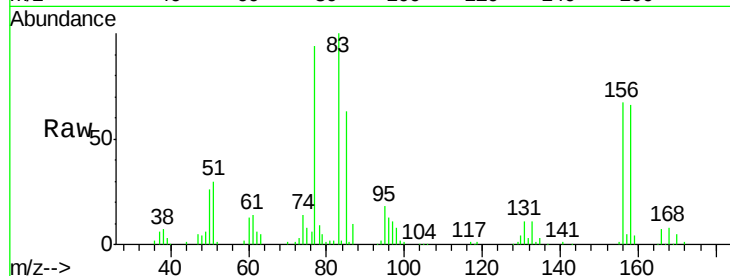
Tot Ion: 83 Resp: 69736

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.4

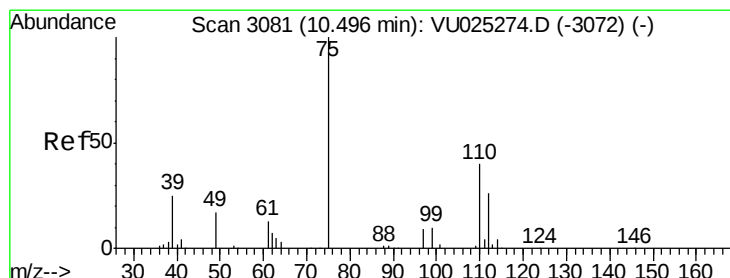
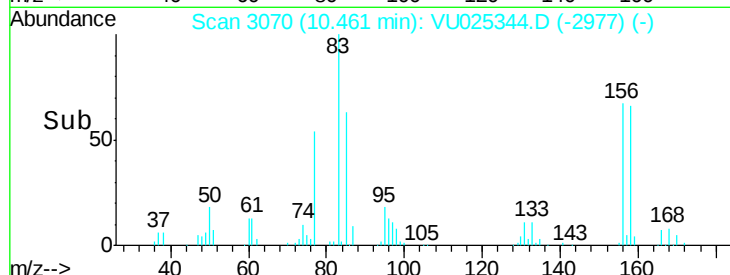
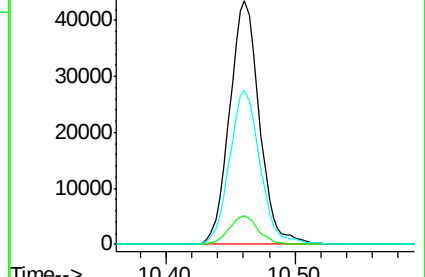
85 64.8 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 28.82 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025344.D

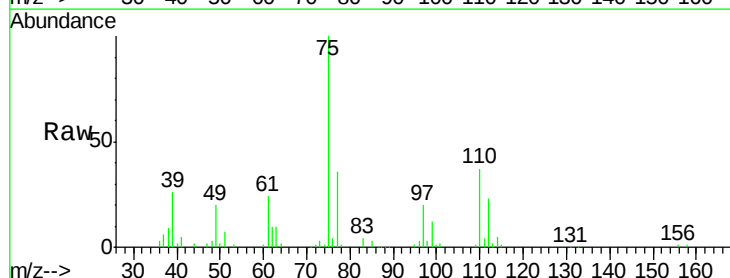
Acq: 12 Jul 2018 17:07

Tgt Ion: 75 Resp: 78532

Ion Ratio Lower Upper

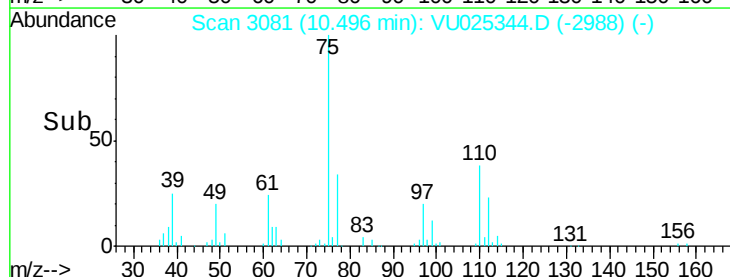
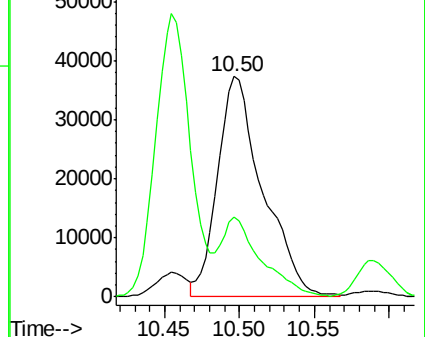
75 100

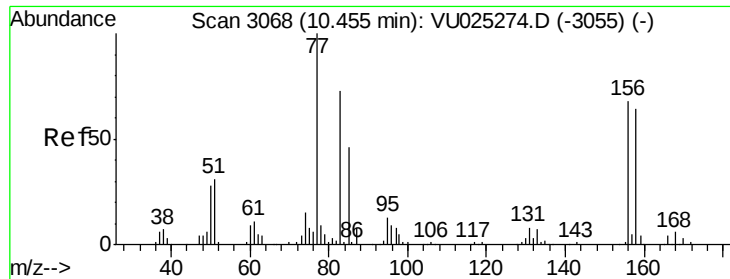
77 31.3 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.10 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD02

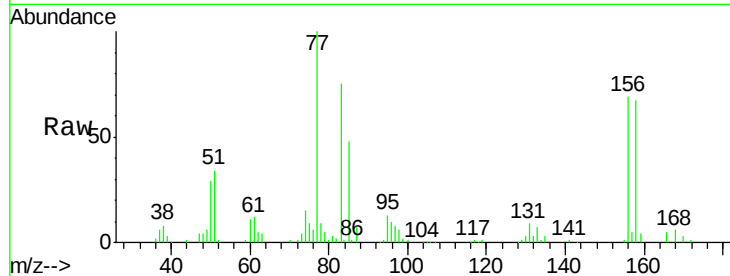
Tot Ion:156 Resp: 52563

Ion Ratio Lower Upper

156 100

77 146.3 73.8 221.4

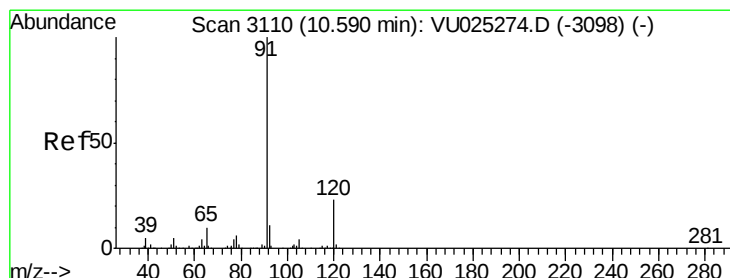
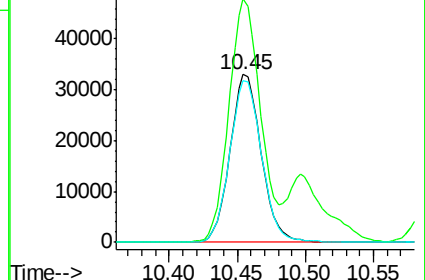
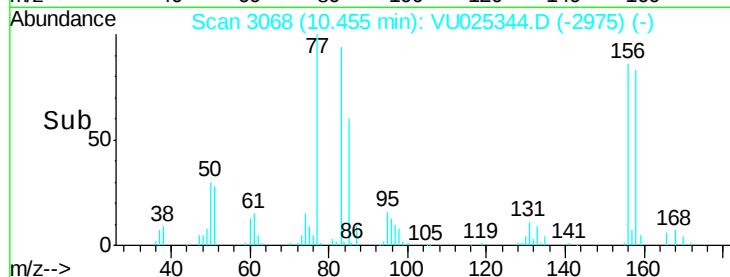
158 98.5 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.04 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025344.D

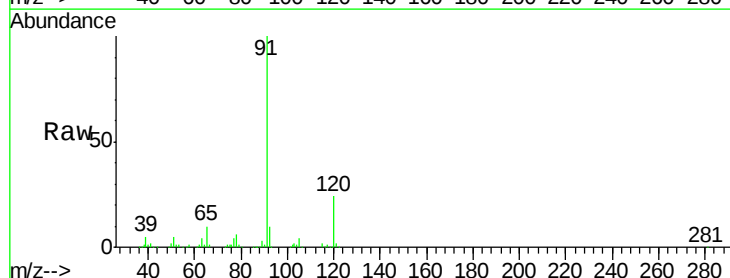
Acq: 12 Jul 2018 17:07

Tgt Ion: 91 Resp: 227233

Ion Ratio Lower Upper

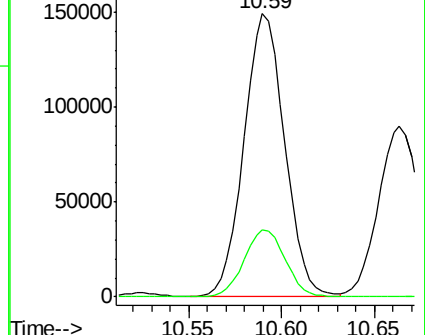
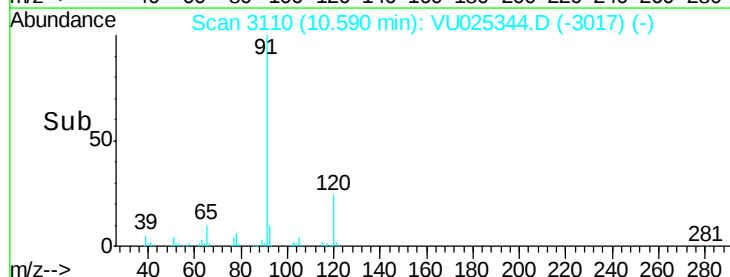
91 100

120 24.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

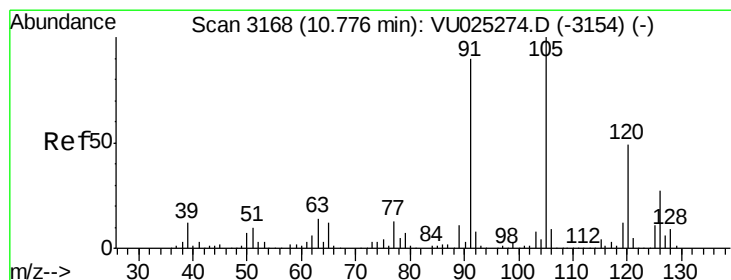
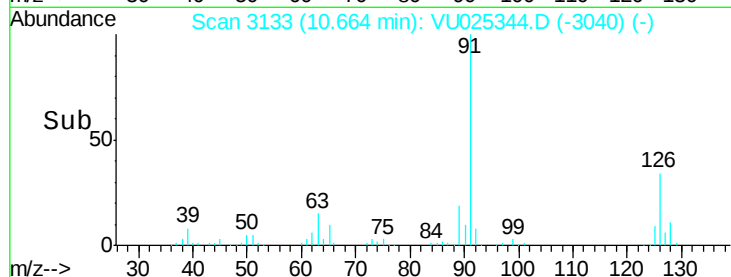
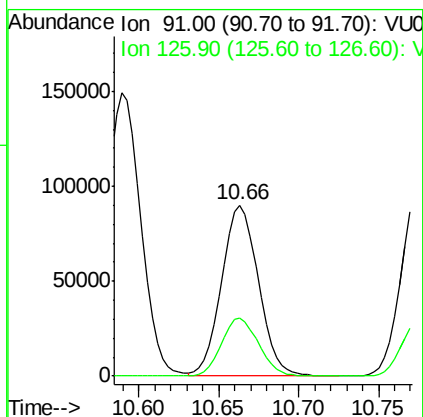
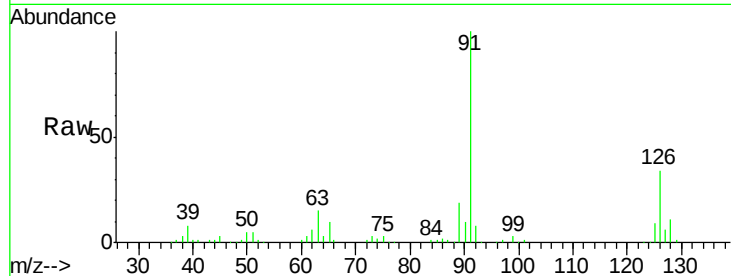




#79
 2-Chlorotoluene
 Concen: 21.90 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

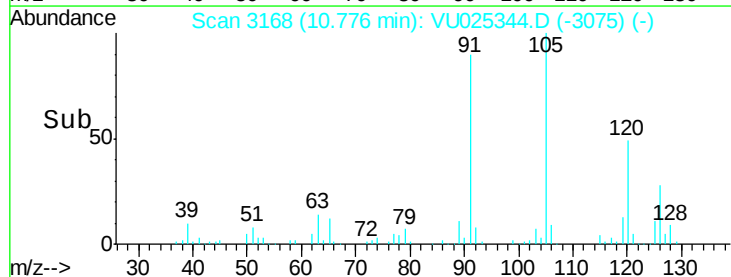
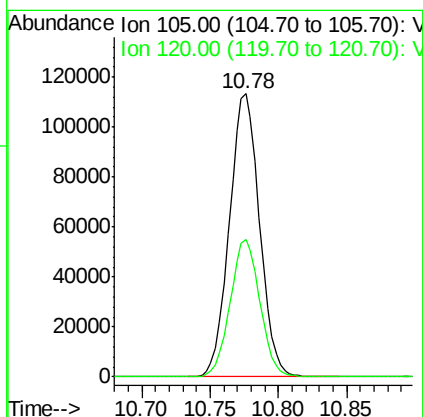
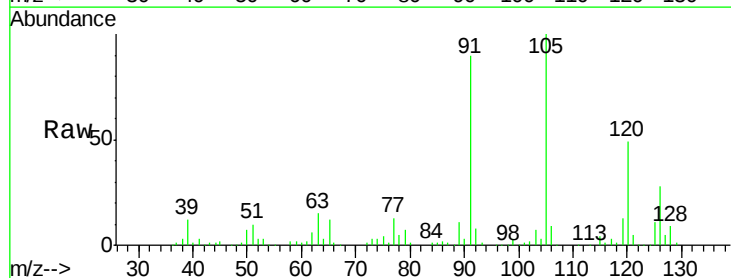
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD02

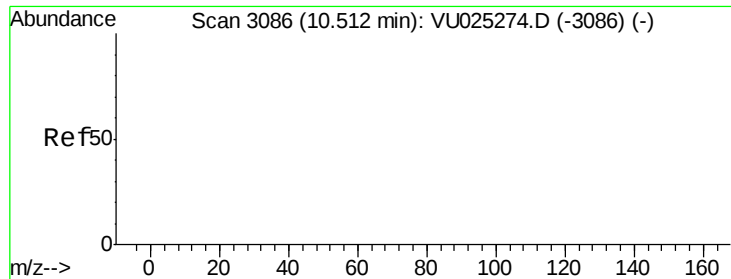
Tot Ion: 91 Resp: 142094
 Ion Ratio Lower Upper
 91 100
 126 34.3 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.20 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

Tgt Ion: 105 Resp: 173676
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.2

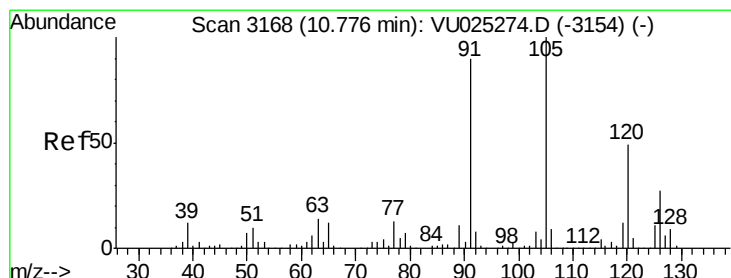
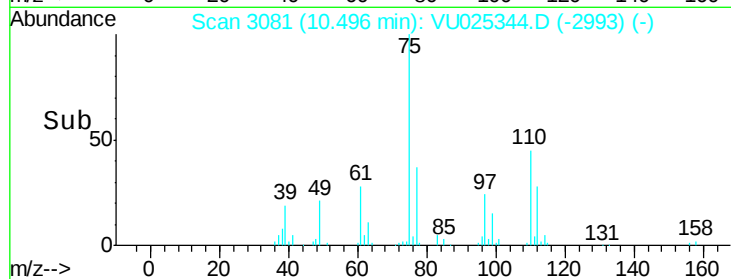
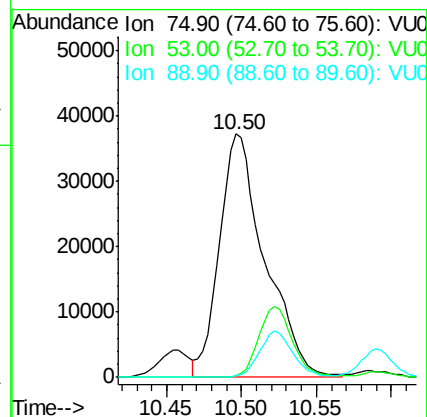
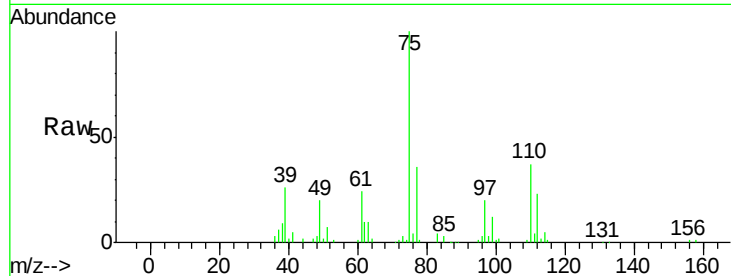




#81
trans-1,4-Dichloro-2-butene
Concen: 73.70 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

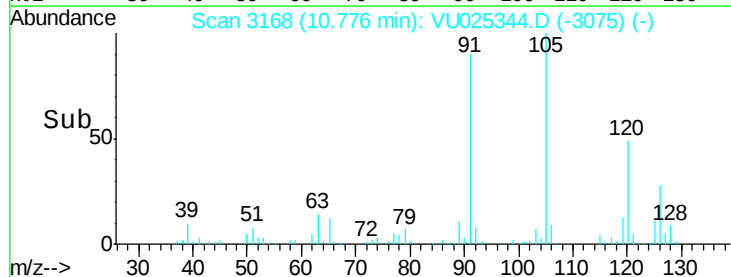
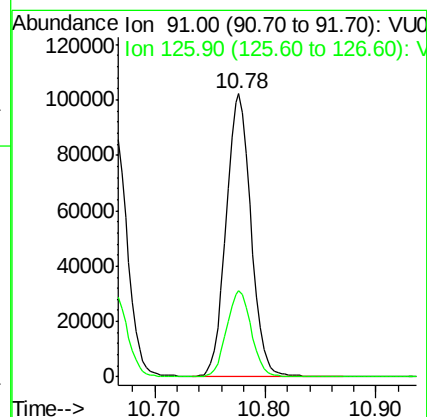
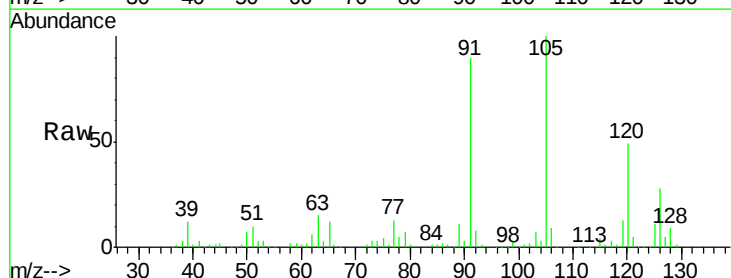
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD02

Tot Ion: 75 Resp: 78532
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.94 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Tgt Ion: 91 Resp: 160133
Ion Ratio Lower Upper
91 100
126 30.2 15.3 45.9

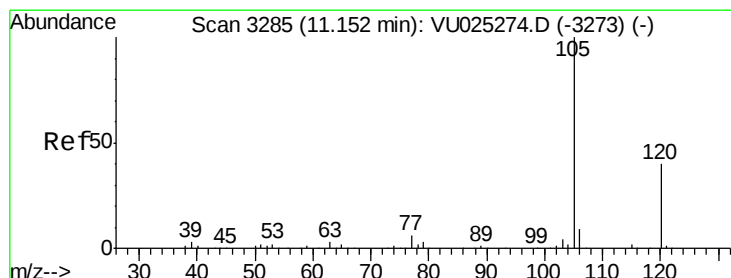
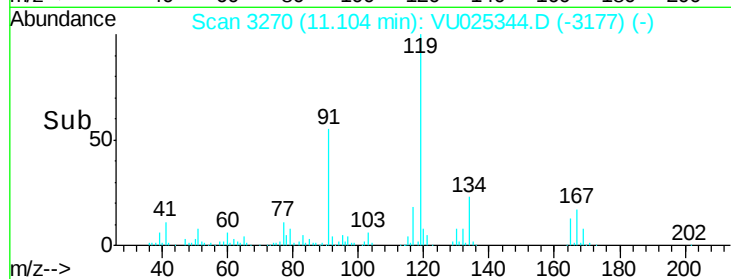
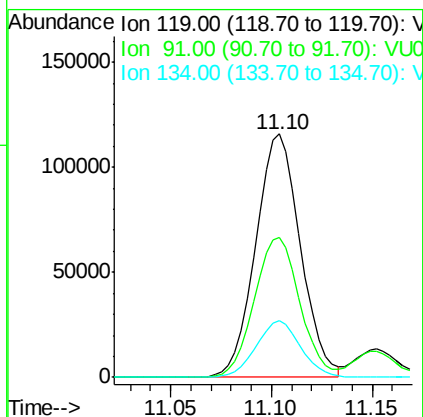
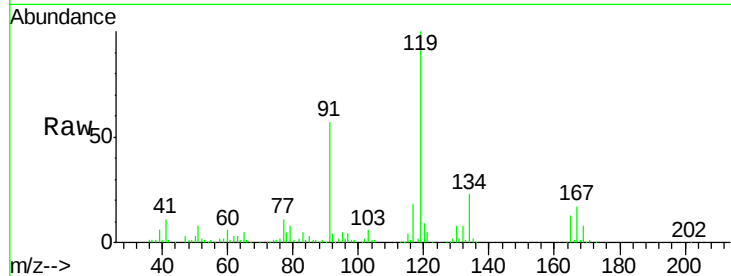




#83
 tert-Butylbenzene
 Concen: 20.60 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

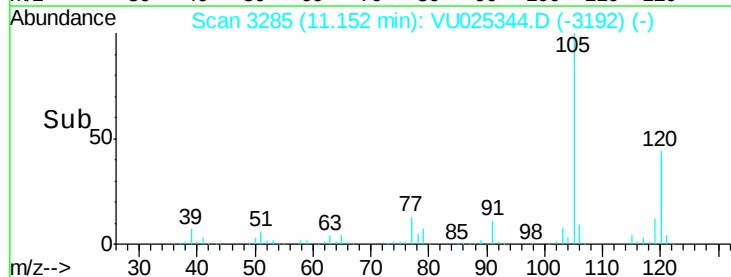
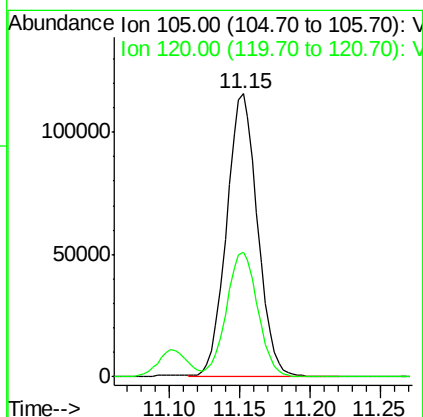
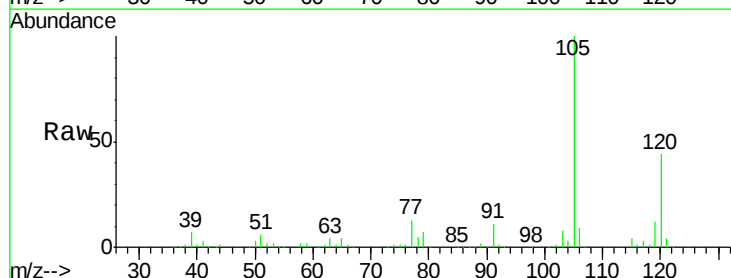
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD02

Tot Ion:119 Resp: 179014
 Ion Ratio Lower Upper
 119 100
 91 58.6 29.7 89.1
 134 23.0 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.05 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

Tgt Ion:105 Resp: 176707
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.48 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

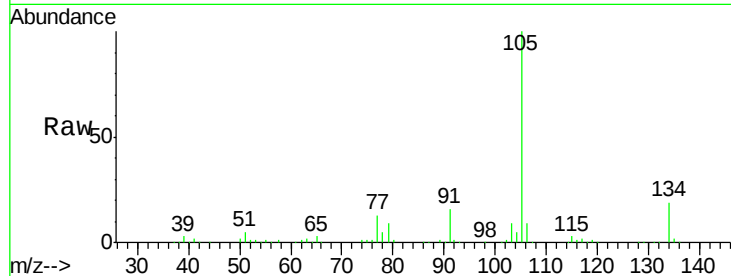
VU0712WBSD02

Tot Ion:105 Resp: 209511

Ion Ratio Lower Upper

105 100

134 20.0 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

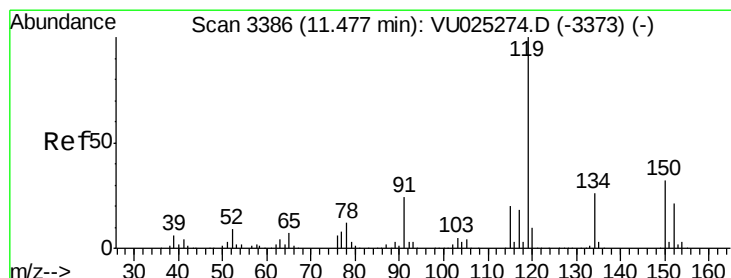
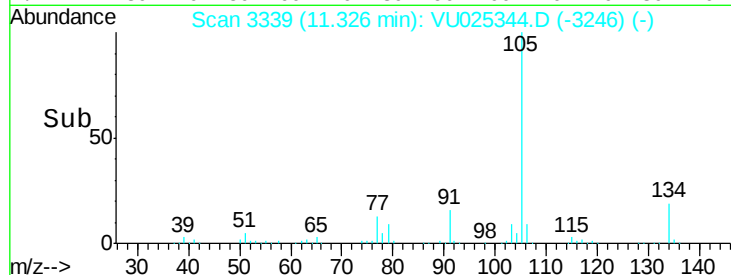
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.04 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

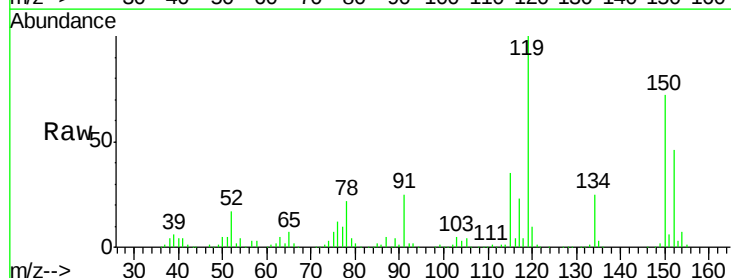
Tgt Ion:119 Resp: 181562

Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.5

91 24.5 12.0 36.1



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): VU0

11.48

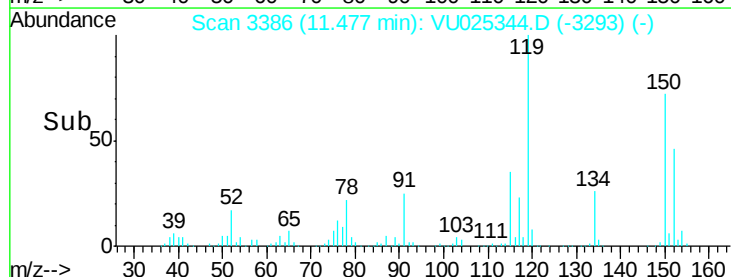
150000

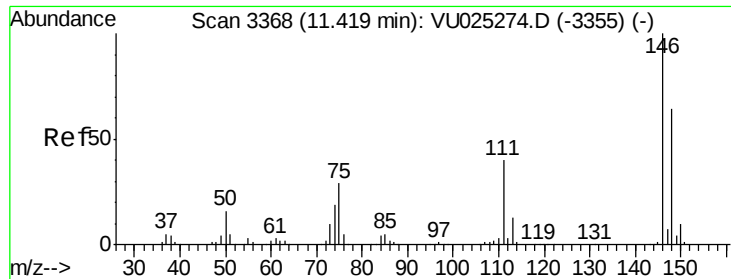
100000

50000

0

Time-->

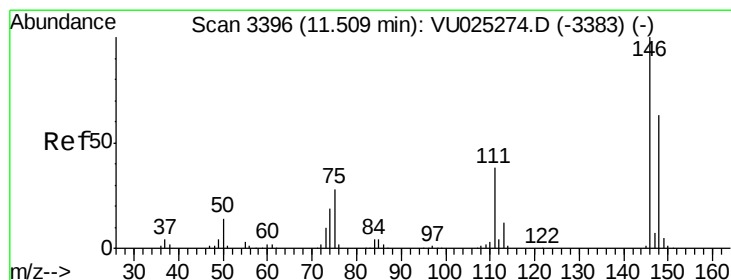
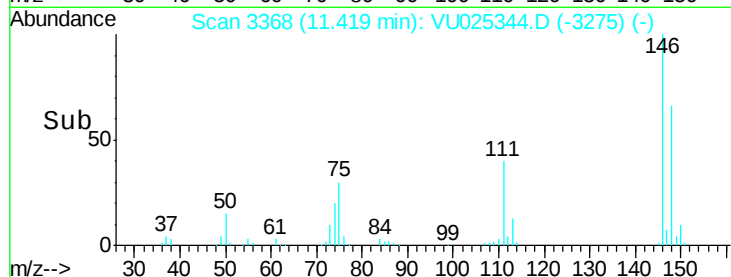
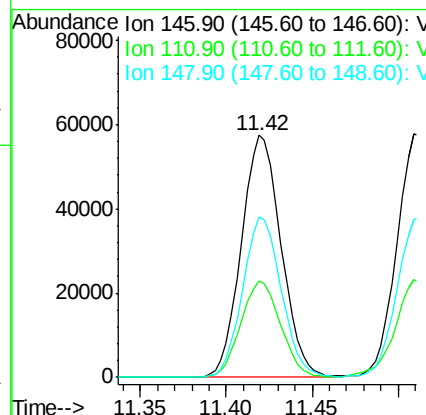
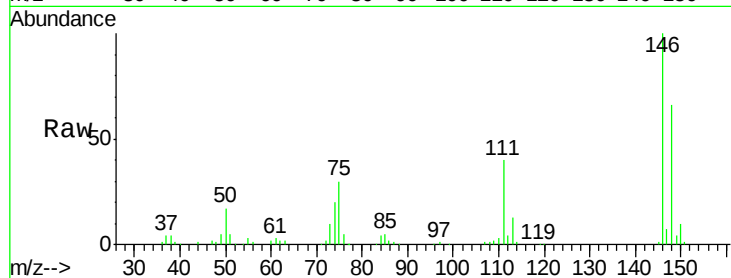




#87
 1,3-Dichlorobenzene
 Concen: 19.29 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

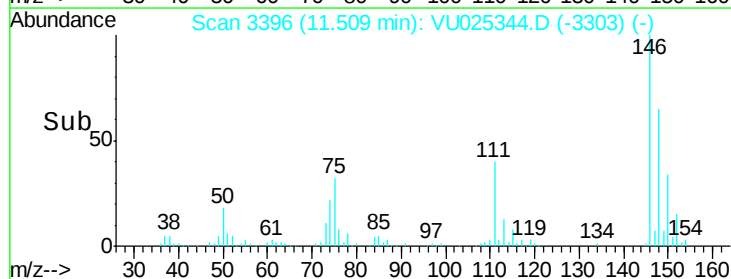
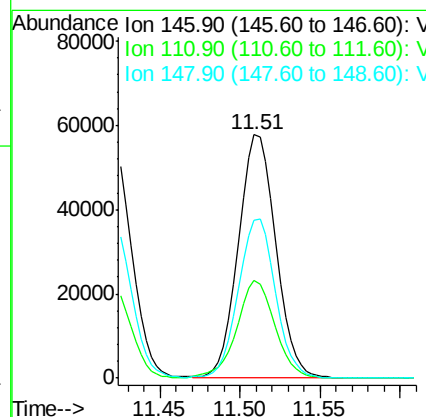
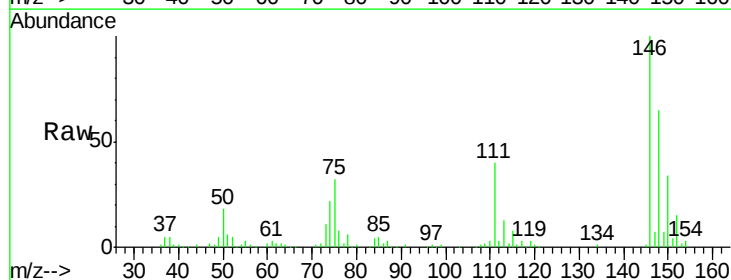
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD02

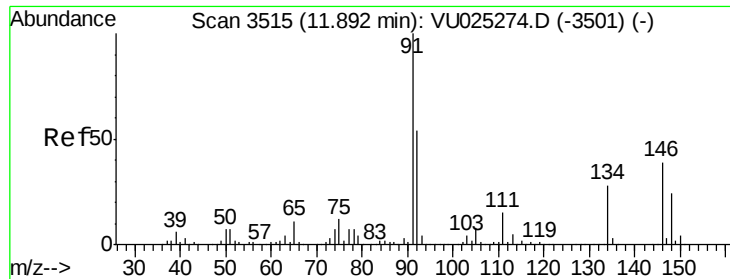
Tot Ion:146 Resp: 92193
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.7 59.1
 148 64.4 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.58 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

Tgt Ion:146 Resp: 91821
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.4 58.1
 148 65.0 31.7 95.1

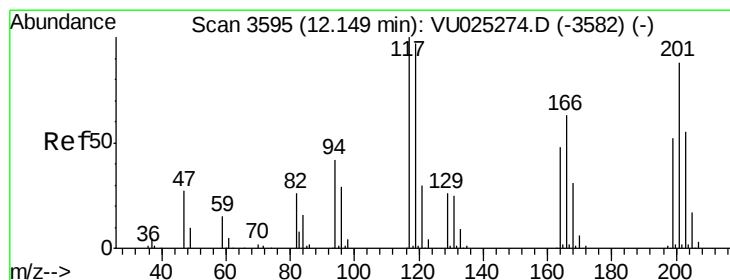
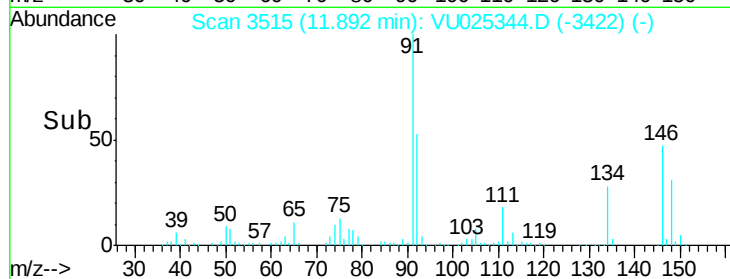
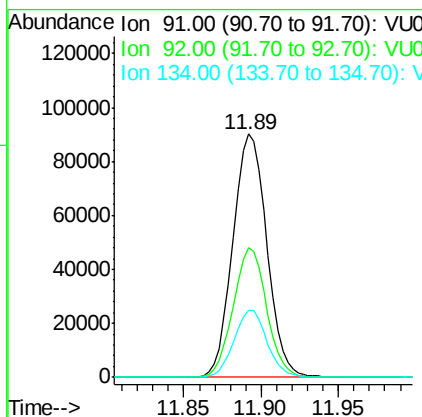
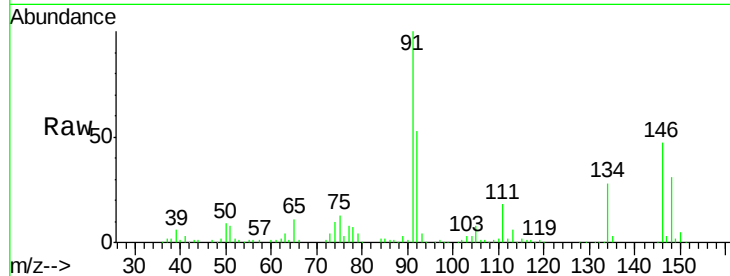




#89
n-Butylbenzene
Concen: 18.43 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

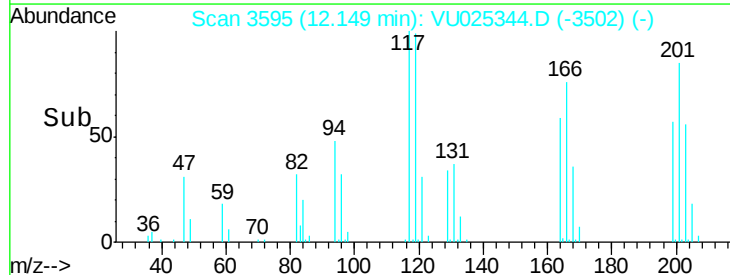
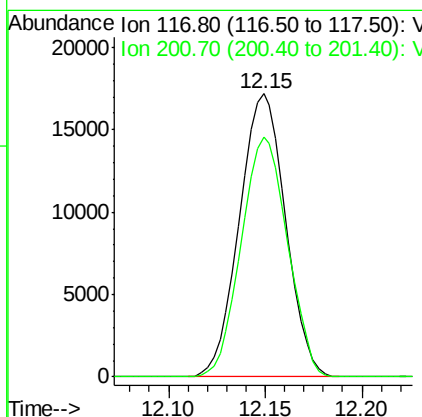
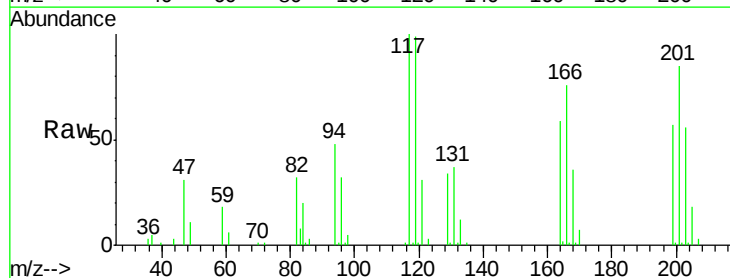
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBSD02

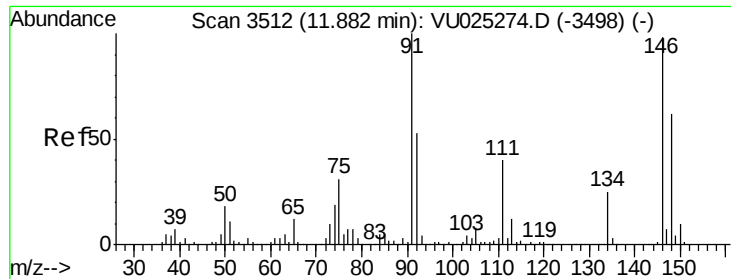
Tot Ion: 91 Resp: 137282
Ion Ratio Lower Upper
91 100
92 52.4 26.5 79.5
134 27.0 13.6 40.7



#90
Hexachloroethane
Concen: 18.58 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025344.D
Acq: 12 Jul 2018 17:07

Tgt Ion: 117 Resp: 28502
Ion Ratio Lower Upper
117 100
201 85.0 42.5 127.6

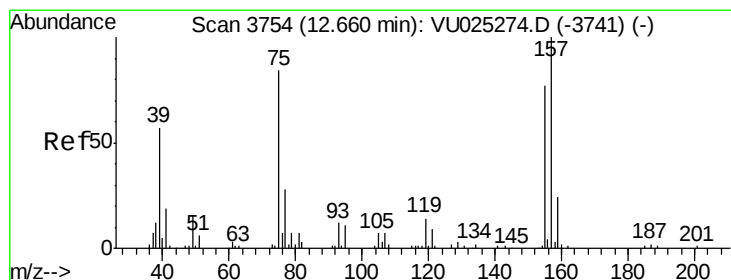
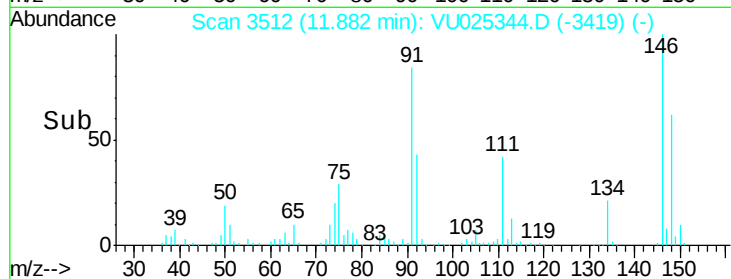
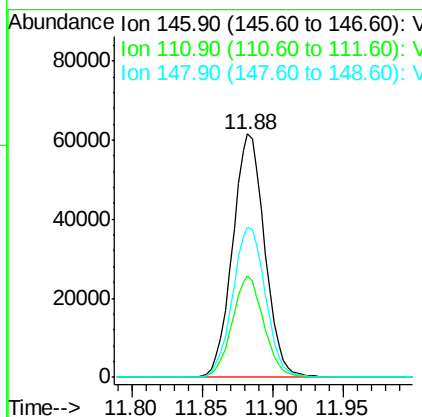
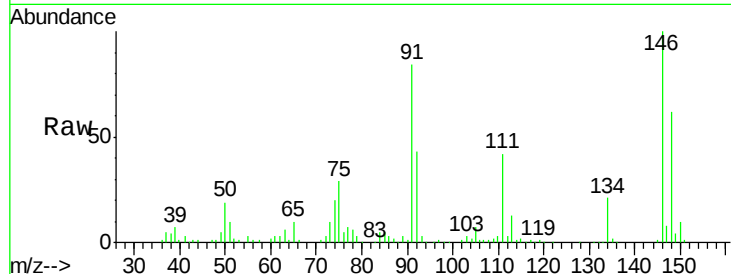




#91
 1,2-Dichlorobenzene
 Concen: 20.38 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

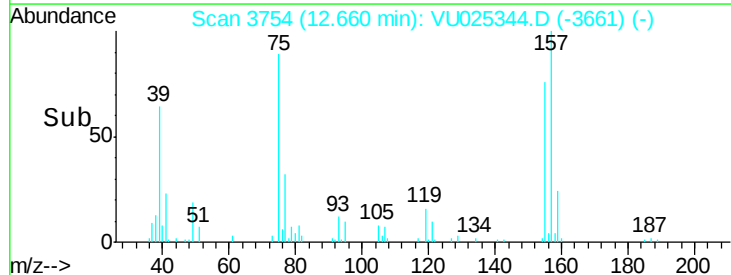
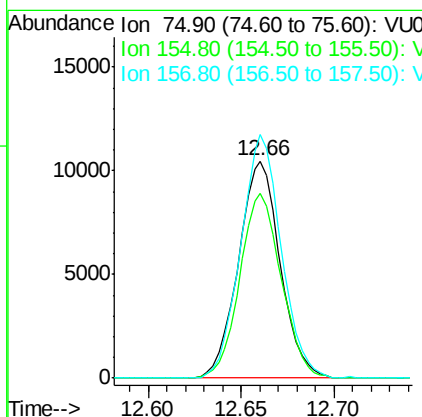
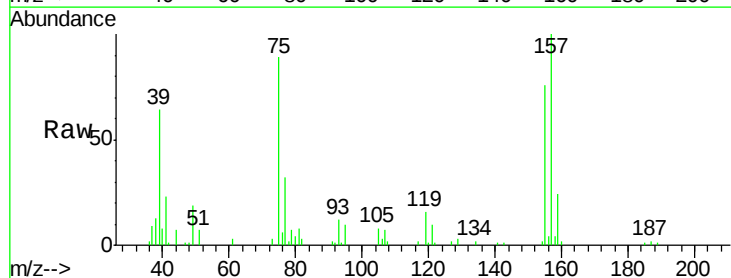
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD02

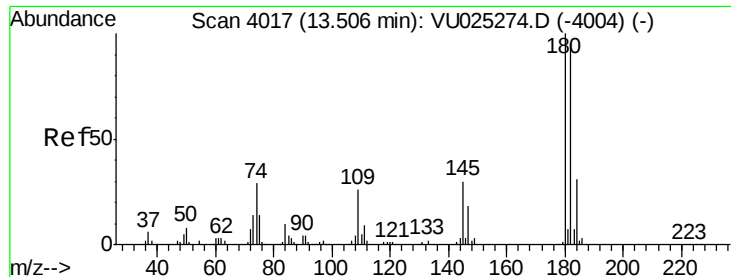
Tot Ion:146 Resp: 98363
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.6 61.8
 148 63.1 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.06 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

Tgt Ion: 75 Resp: 16270
 Ion Ratio Lower Upper
 75 100
 155 84.7 44.5 133.3
 157 109.2 57.0 170.8

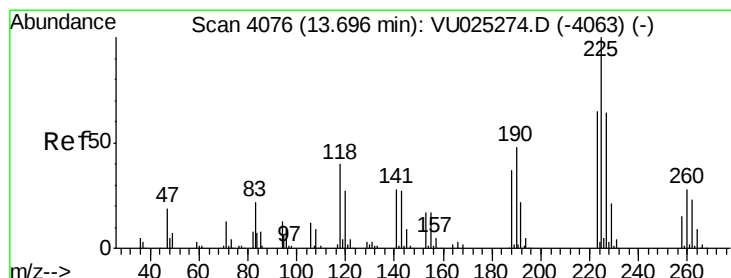
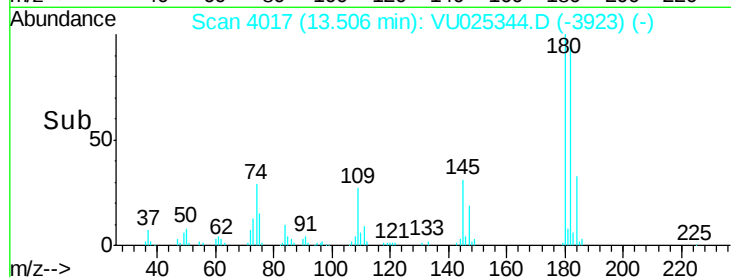
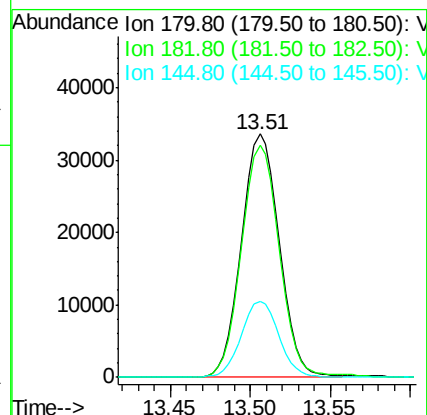
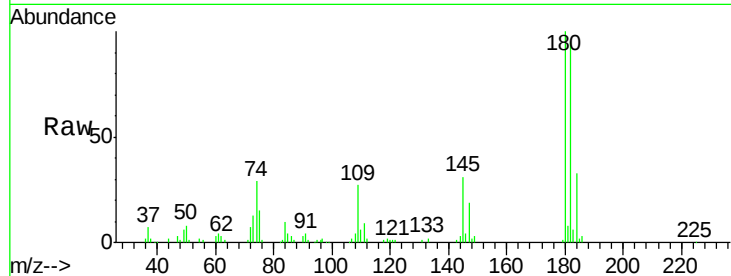




#93
 1,2,4-Trichlorobenzene
 Concen: 18.97 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

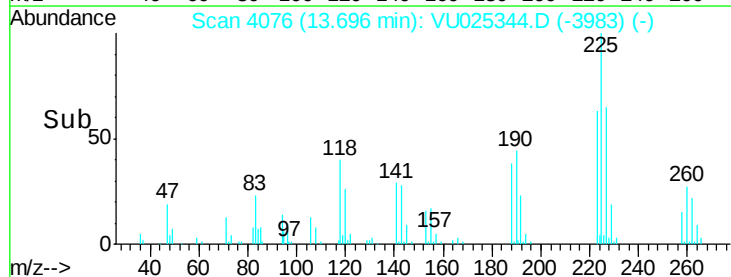
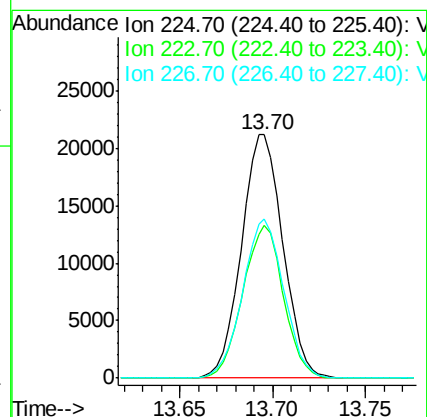
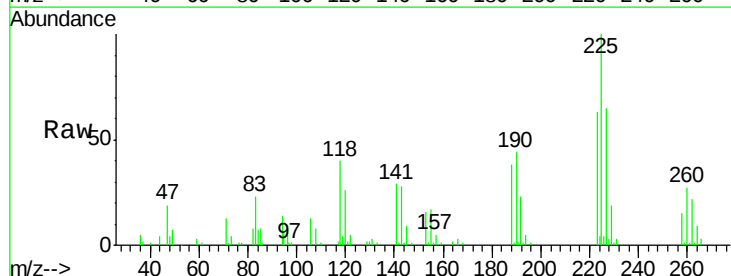
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD02

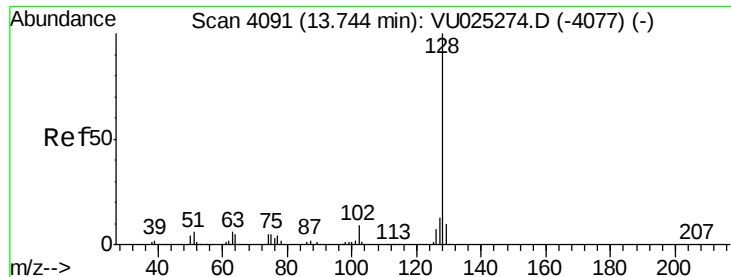
Tot Ion:180 Resp: 54253
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.3 141.9
 145 31.0 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 19.00 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025344.D
 Acq: 12 Jul 2018 17:07

Tgt Ion:225 Resp: 32791
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.9 95.7
 227 64.9 32.3 96.9





#95

Naphthalene

Concen: 19.61 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBSD02

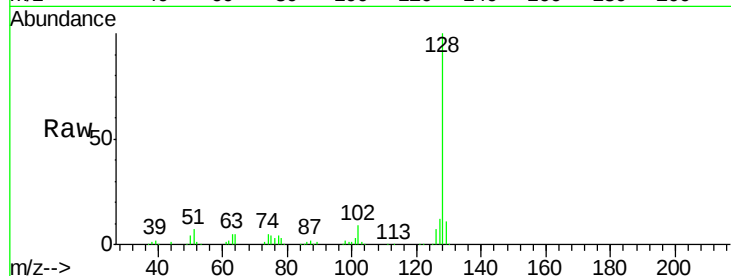
Tot Ion:128 Resp: 177492

Ion Ratio Lower Upper

128 100

127 12.4 10.5 15.7

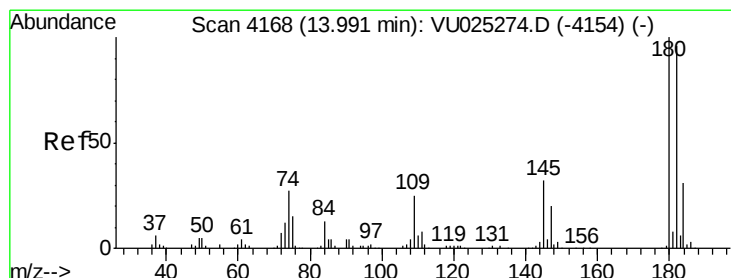
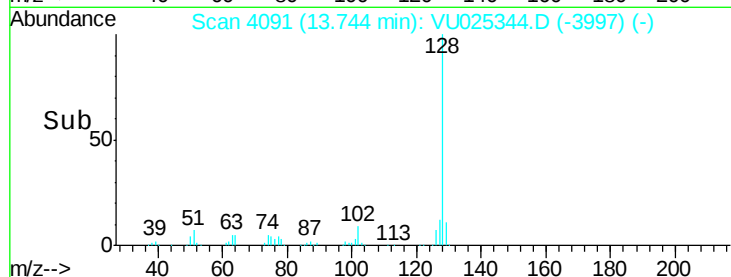
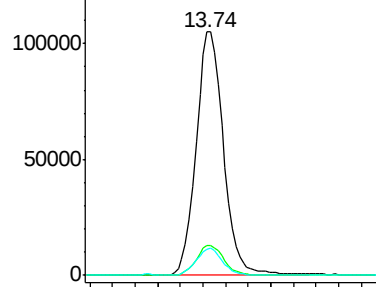
129 10.8 8.3 12.5



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



#96

1,2,3-Trichlorobenzene

Concen: 19.53 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025344.D

Acq: 12 Jul 2018 17:07

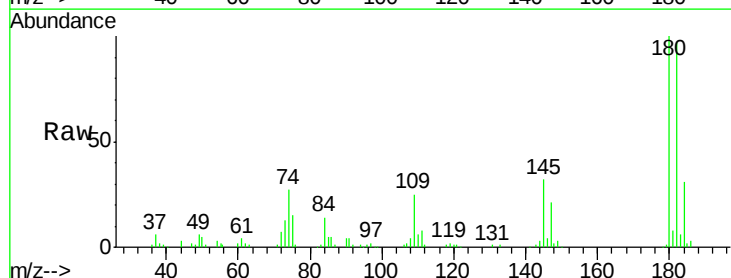
Tgt Ion:180 Resp: 58759

Ion Ratio Lower Upper

180 100

182 97.5 47.8 143.3

145 32.6 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

