

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071118\
 Data File : VU025310.D
 Acq On : 11 Jul 2018 13:25
 Operator : MD/SY
 Sample : VU0711WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS02

Quant Time: Jul 12 03:09:53 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	210831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	303946	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	284947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	144658	44.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.32%	
35) Dibromofluoromethane	4.89	113	119845	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
50) Toluene-d8	7.57	98	395757	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
62) 4-Bromofluorobenzene	10.31	95	163497	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	39969	18.32	ug/l	99
3) Chloromethane	1.33	50	40898	19.16	ug/l	99
4) Vinyl Chloride	1.40	62	44457	18.54	ug/l	99
5) Bromomethane	1.62	94	28409	20.00	ug/l	99
6) Chloroethane	1.70	64	29538	19.55	ug/l	96
7) Trichlorofluoromethane	1.89	101	73015	19.38	ug/l	100
8) Diethyl Ether	2.10	74	28480	20.14	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	46283	19.82	ug/l	99
10) Methyl Iodide	2.41	142	41091	21.00	ug/l	98
11) Tert butyl alcohol	2.82	59	66043	92.42	ug/l	98
12) 1,1-Dichloroethene	2.28	96	41475	19.41	ug/l	95
13) Acrolein	2.19	56	25750	54.47	ug/l	100
14) Allyl chloride	2.59	41	68532	17.68	ug/l	97
15) Acrylonitrile	2.94	53	141421	96.26	ug/l	99
16) Acetone	2.32	43	166386	102.48	ug/l	100
17) Carbon Disulfide	2.48	76	103078	17.80	ug/l	100
18) Methyl Acetate	2.62	43	69959	20.86	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	165084	20.31	ug/l	96
20) Methylene Chloride	2.71	84	53010	21.32	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	44317	18.15	ug/l	97
22) Diisopropyl ether	3.57	45	157364	19.88	ug/l	97
23) Vinyl Acetate	3.53	43	681682	98.18	ug/l	99
24) 1,1-Dichloroethane	3.45	63	92020	20.61	ug/l	99
25) 2-Butanone	4.26	43	219281	96.59	ug/l	100
26) 2,2-Dichloropropane	4.23	77	84821	19.76	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	54385	19.25	ug/l	99
28) Bromochloromethane	4.55	49	44477	20.63	ug/l	100
29) Tetrahydrofuran	4.64	42	130375	95.74	ug/l	99
30) Chloroform	4.68	83	95441	20.19	ug/l	98
31) Cyclohexane	5.00	56	79491	19.67	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	86356	20.16	ug/l	99
36) 1,1-Dichloropropene	5.14	75	64399	19.06	ug/l	99
37) Ethyl Acetate	4.38	43	76493	20.30	ug/l	100
38) Carbon Tetrachloride	5.14	117	74859	20.58	ug/l	98

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Quant Time: Jul 12 03:09:53 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	81752	19.40	ug/l	100
40) Benzene	5.39	78	193185	19.84	ug/l	98
41) Methacrylonitrile	4.55	41	42902	20.53	ug/l	98
42) 1,2-Dichloroethane	5.41	62	80793	20.87	ug/l	99
43) Isopropyl Acetate	5.55	43	123898	20.53	ug/l	99
44) Trichloroethene	6.19	130	54490	19.49	ug/l	99
45) 1,2-Dichloropropane	6.44	63	52562	20.61	ug/l	97
46) Dibromomethane	6.56	93	38198	20.58	ug/l	97
47) Bromodichloromethane	6.76	83	71560	20.75	ug/l	99
48) Methyl methacrylate	6.63	41	62174	20.67	ug/l	99
49) 1,4-Dioxane	6.62	88	24888	343.80	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	392520	100.07	ug/l	100
52) Toluene	7.64	92	127985	20.66	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	74949	19.78	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	80546	19.98	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	51793	20.07	ug/l	98
56) Ethyl methacrylate	8.02	69	82526	20.48	ug/l	99
57) 1,3-Dichloropropane	8.25	76	86864	20.28	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	143318	80.11	ug/l	100
59) 2-Hexanone	8.36	43	313909	98.67	ug/l	99
60) Dibromochloromethane	8.48	129	56766	20.37	ug/l	100
61) 1,2-Dibromoethane	8.59	107	57407	20.79	ug/l	98
64) Tetrachloroethene	8.23	164	50337	19.38	ug/l	99
65) Chlorobenzene	9.12	112	145576	20.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	53713	21.09	ug/l	98
67) Ethyl Benzene	9.25	91	246296	20.30	ug/l	99
68) m/p-Xylenes	9.38	106	192953	41.13	ug/l	100
69) o-Xylene	9.78	106	96167	20.47	ug/l	97
70) Styrene	9.80	104	151149	20.26	ug/l	100
71) Bromoform	9.96	173	44939	21.17	ug/l #	98
73) Isopropylbenzene	10.17	105	260070	20.34	ug/l	100
74) N-amyl acetate	10.01	43	105421	20.90	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	84759	20.26	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	96957	28.46	ug/l	84
77) Bromobenzene	10.45	156	66964	20.47	ug/l	99
78) n-propylbenzene	10.59	91	286219	20.18	ug/l	100
79) 2-Chlorotoluene	10.66	91	175838	21.67	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	221485	20.59	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	96957	72.73	ug/l #	100
82) 4-Chlorotoluene	10.78	91	199769	19.89	ug/l	99
83) tert-Butylbenzene	11.10	119	223385	20.55	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	221413	20.08	ug/l	100
85) sec-Butylbenzene	11.33	105	262936	20.54	ug/l	99
86) p-Isopropyltoluene	11.48	119	232107	20.48	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	116404	19.47	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	117489	21.01	ug/l	98
89) n-Butylbenzene	11.89	91	180093	19.33	ug/l	99
90) Hexachloroethane	12.15	117	37338	19.46	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	121261	20.09	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20194	19.91	ug/l	97

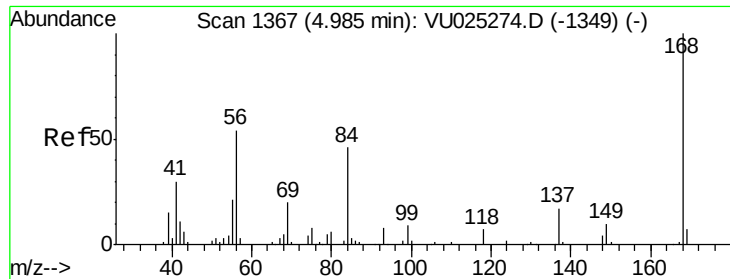
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071118\
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Quant Time: Jul 12 03:09:53 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	71476	19.80	ug/l	99
94) Hexachlorobutadiene	13.70	225	42550	19.71	ug/l	98
95) Naphthalene	13.75	128	221403	19.56	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	74479	19.76	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: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

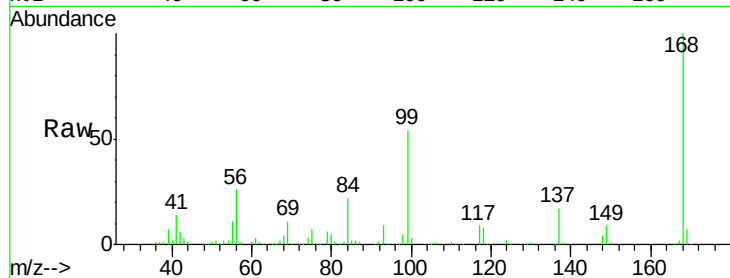
VU0711WBS02

Tot Ion:168 Resp: 210831

Ion Ratio Lower Upper

168 100

99 54.0 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

100000

80000

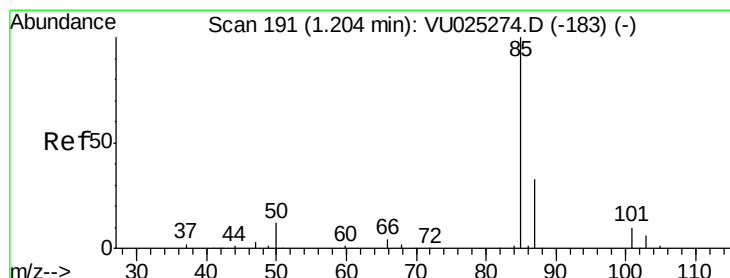
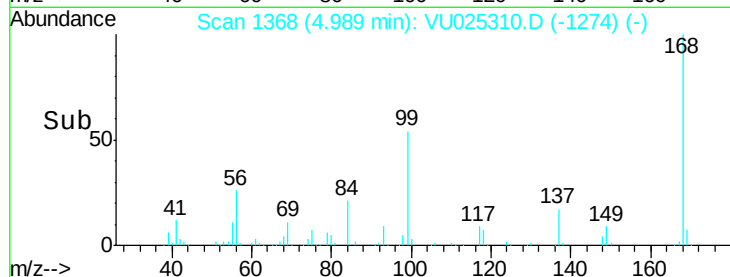
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.32 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025310.D

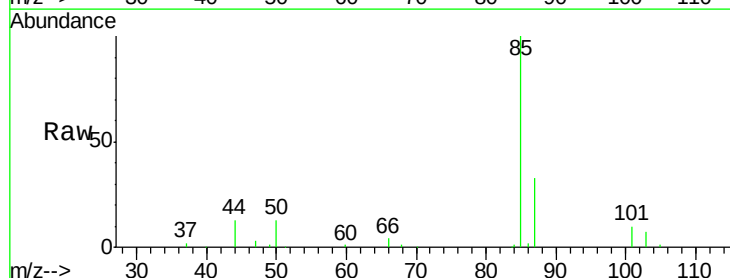
Acq: 11 Jul 2018 13:25

Tgt Ion: 85 Resp: 39969

Ion Ratio Lower Upper

85 100

87 32.6 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) (-)

1.20

40000

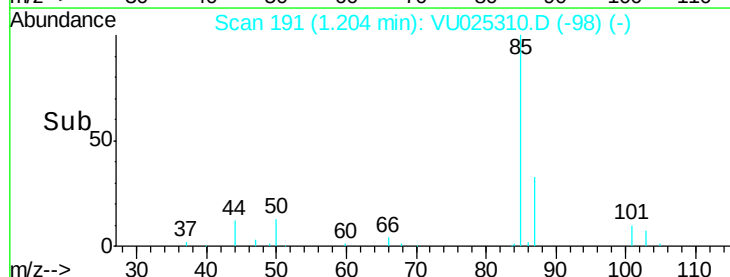
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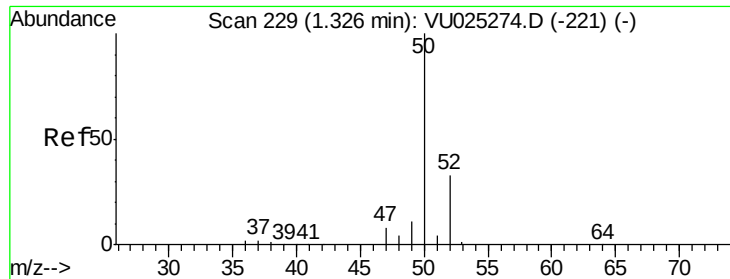
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Time-->

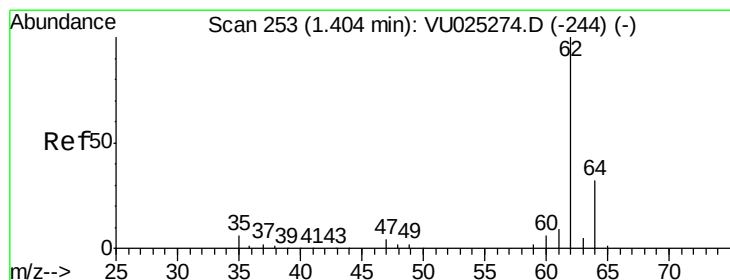
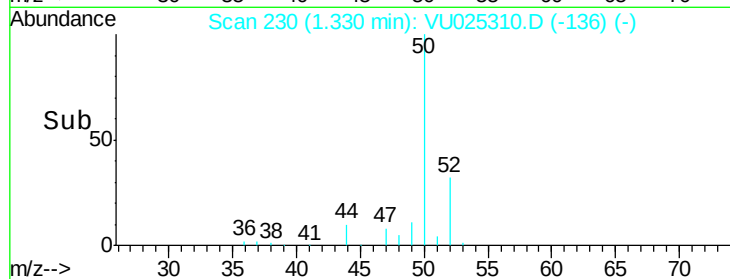
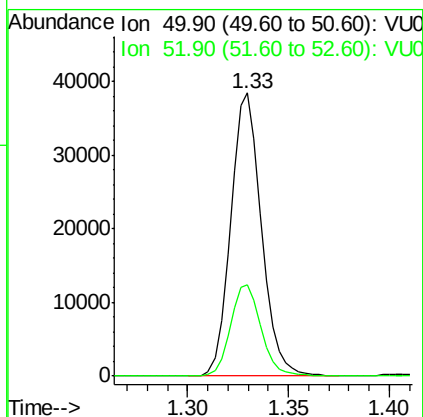
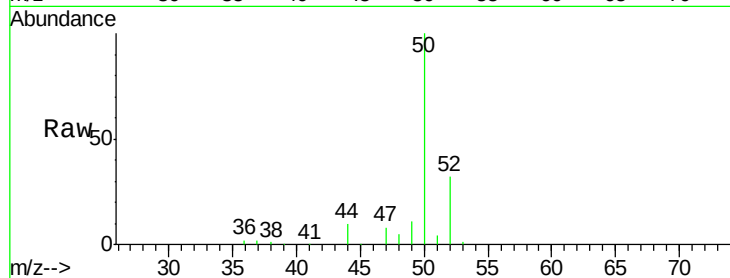




#3
 Chloromethane
 Concen: 19.16 ug/l
 RT: 1.33 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

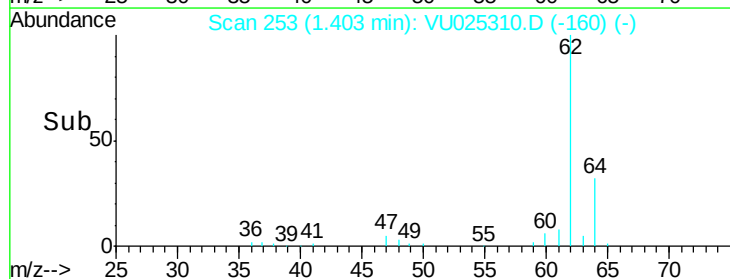
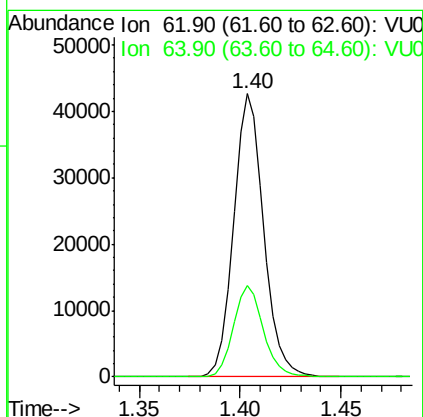
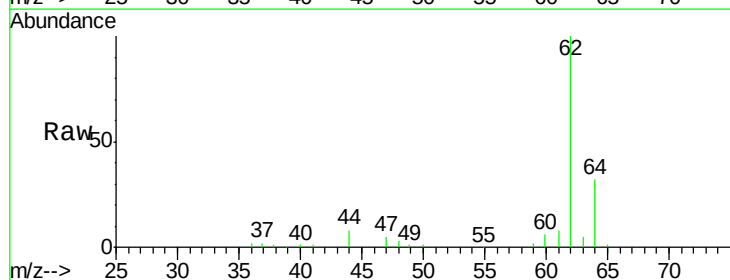
Instrument :
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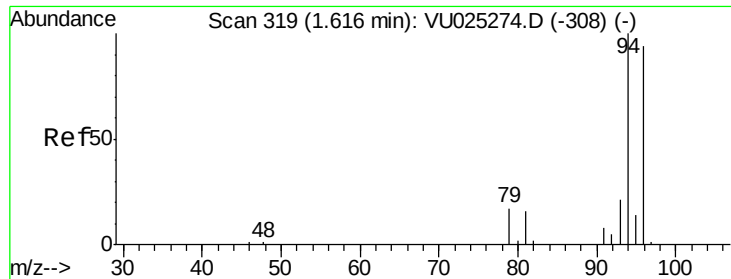
Tot Ion: 50 Resp: 40898
 Ion Ratio Lower Upper
 50 100
 52 32.3 26.5 39.7



#4
 Vinyl Chloride
 Concen: 18.54 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

Tgt Ion: 62 Resp: 44457
 Ion Ratio Lower Upper
 62 100
 64 32.1 25.4 38.0

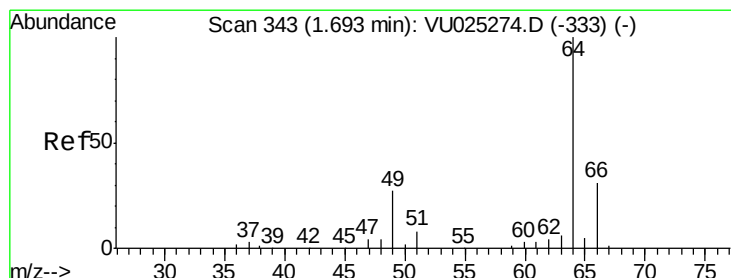
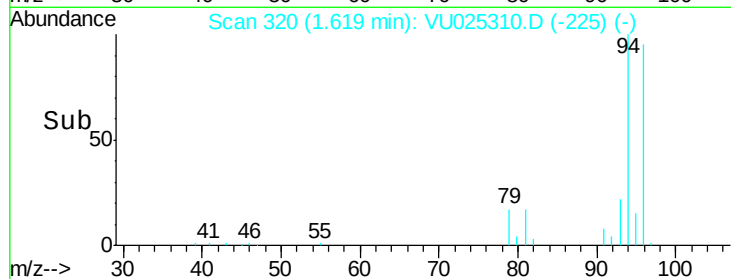
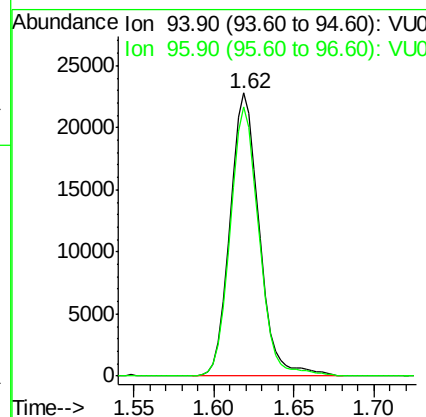
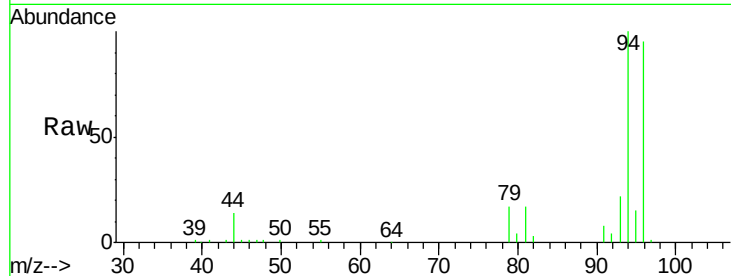




#5
Bromomethane
Concen: 20.00 ug/l
RT: 1.62 min Scan# 320
Delta R.T. 0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

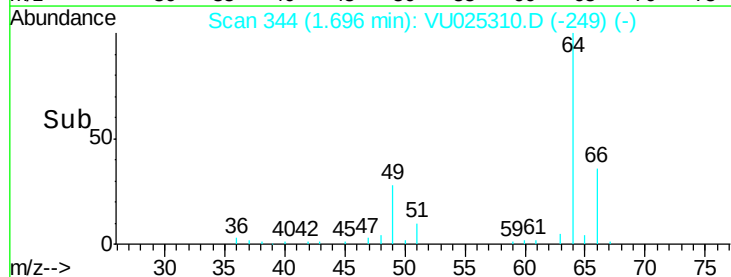
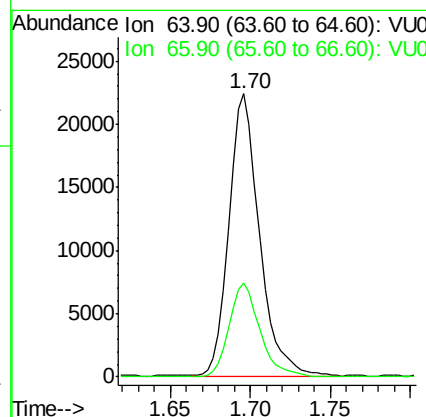
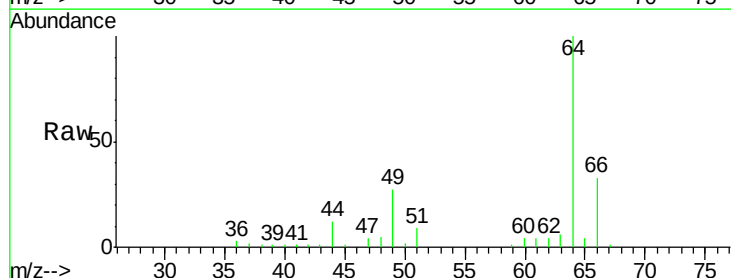
Instrument :
MSVOA_U
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VU0711WBS02

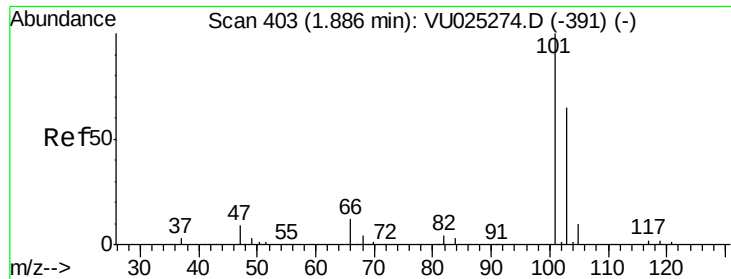
Tot Ion: 94 Resp: 28409
Ion Ratio Lower Upper
94 100
96 95.1 75.0 112.4



#6
Chloroethane
Concen: 19.55 ug/l
RT: 1.70 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Tgt Ion: 64 Resp: 29538
Ion Ratio Lower Upper
64 100
66 33.4 25.0 37.4





#7

Trichlorofluoromethane

Concen: 19.38 ug/l

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

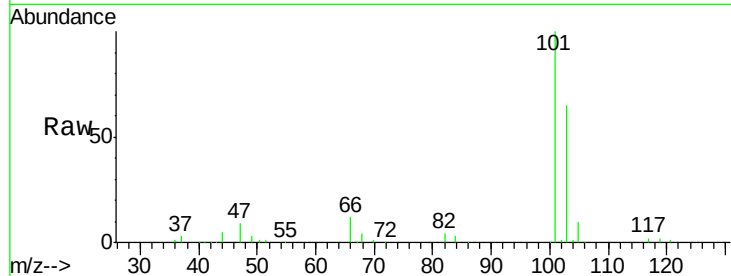
VU0711WBS02

Tot Ion:101 Resp: 73015

Ion Ratio Lower Upper

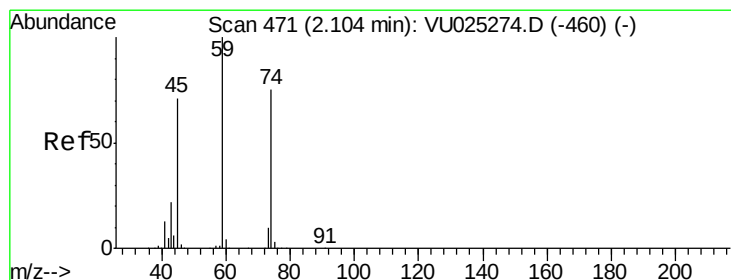
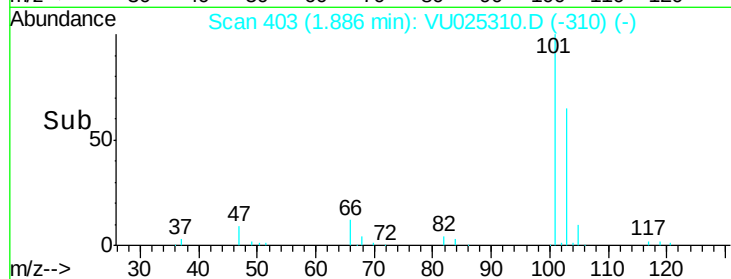
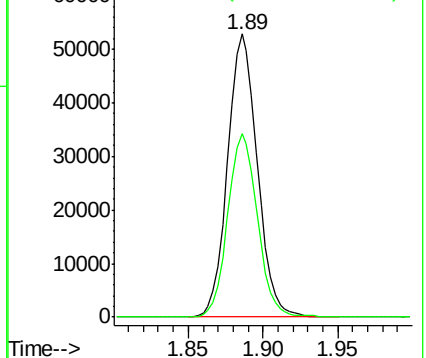
101 100

103 64.8 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.14 ug/l

RT: 2.10 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU025310.D

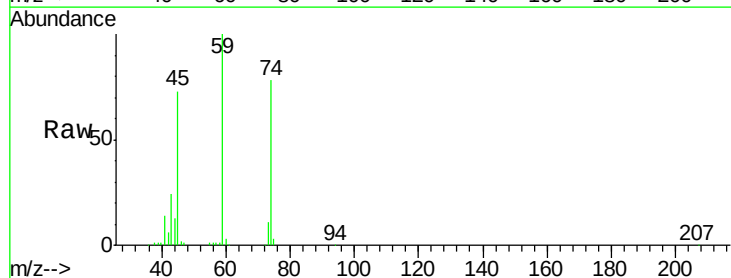
Acq: 11 Jul 2018 13:25

Tgt Ion: 74 Resp: 28480

Ion Ratio Lower Upper

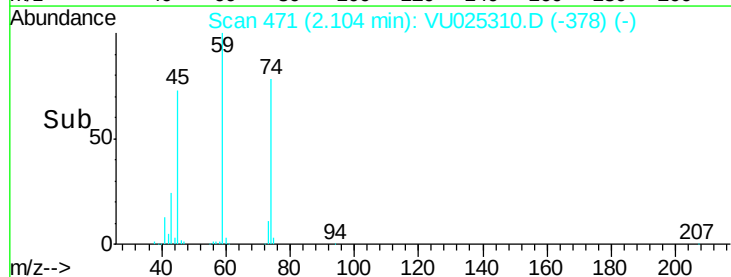
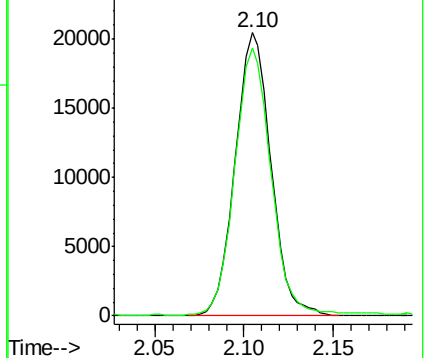
74 100

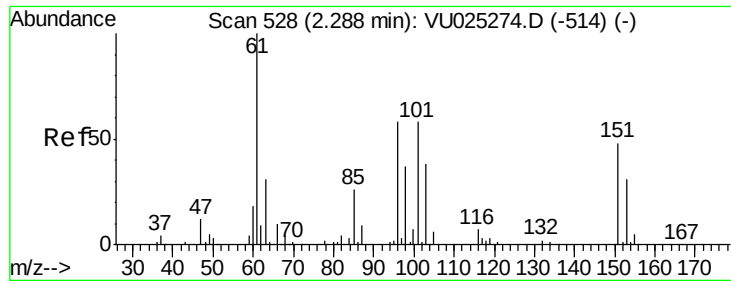
45 97.1 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

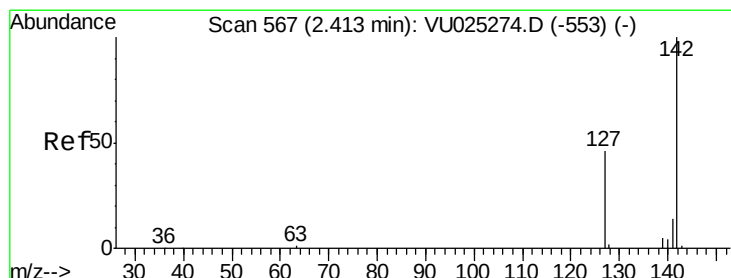
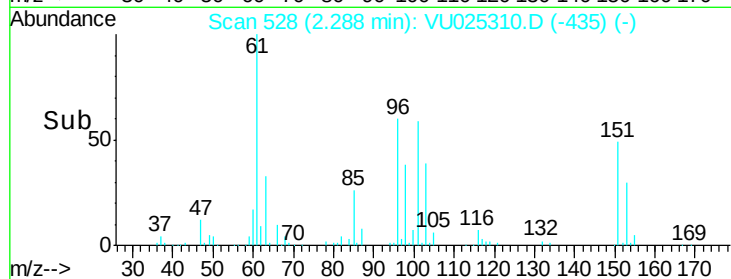
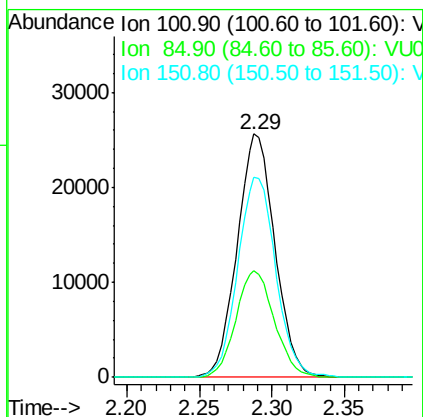
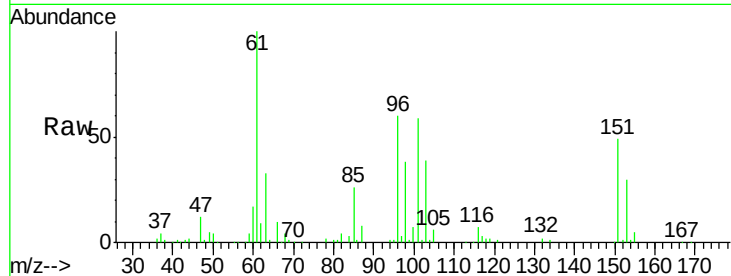




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.82 ug/l
RT: 2.29 min Scan# 528
Delta R.T. -0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

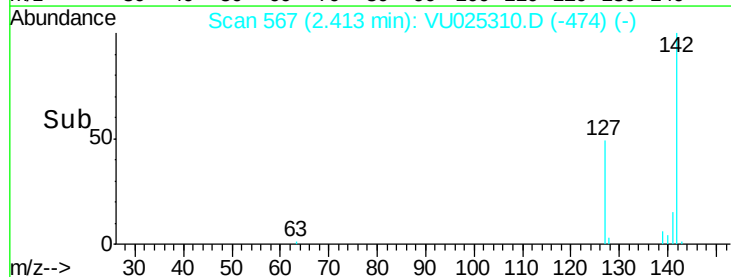
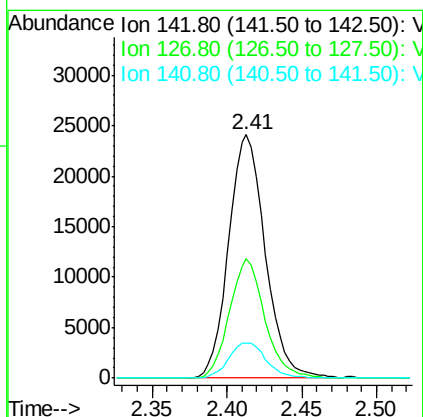
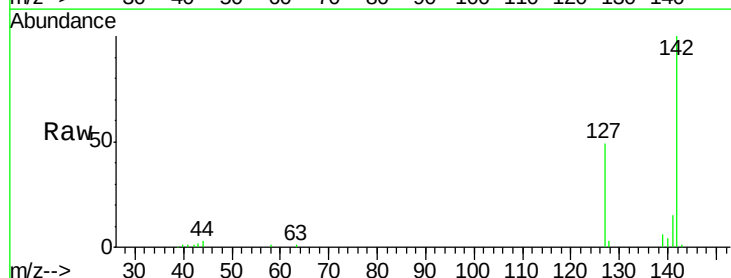
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS02

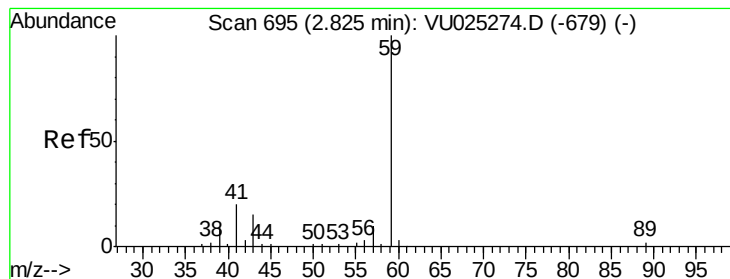
Tot Ion:101 Resp: 46283
Ion Ratio Lower Upper
101 100
85 44.5 36.0 54.0
151 83.2 65.6 98.4



#10
Methyl Iodide
Concen: 21.00 ug/l
RT: 2.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Tgt Ion:142 Resp: 41091
Ion Ratio Lower Upper
142 100
127 47.2 36.5 54.7
141 14.8 11.4 17.2



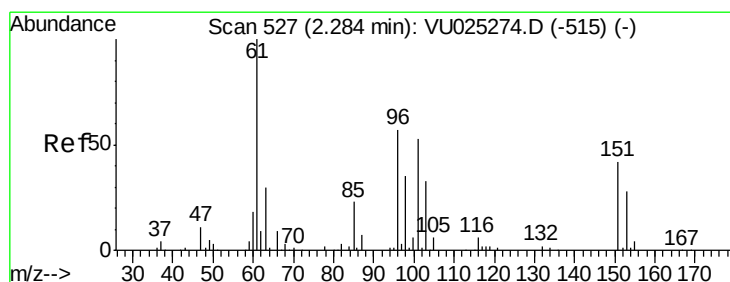
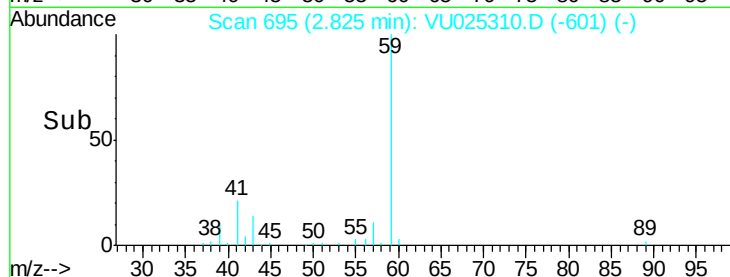
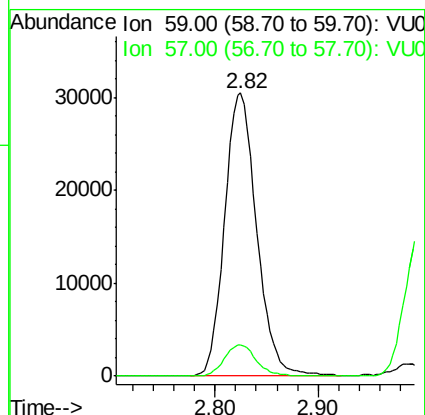
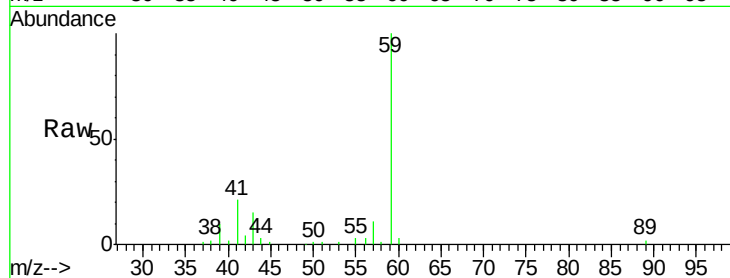


#11

Tert butyl alcohol
Concen: 92.42 ug/l
RT: 2.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS02

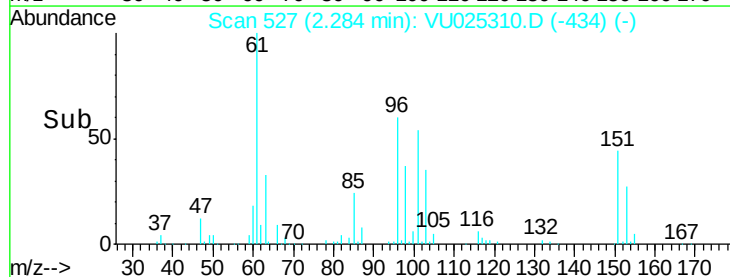
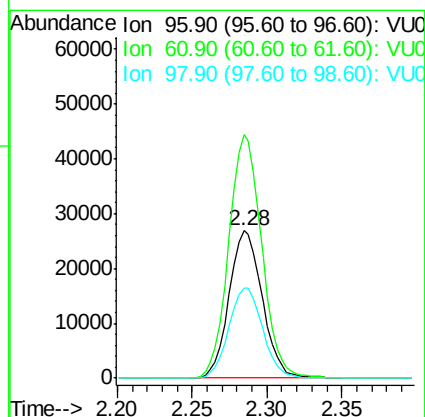
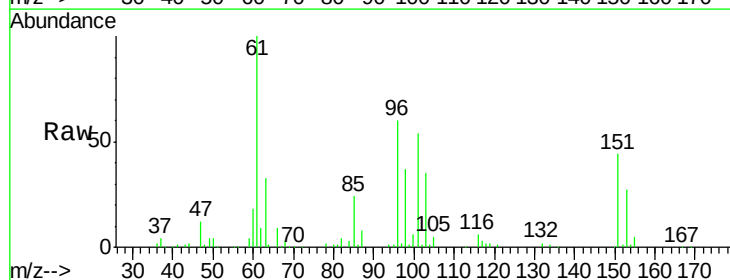
Tot Ion: 59 Resp: 66043
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2

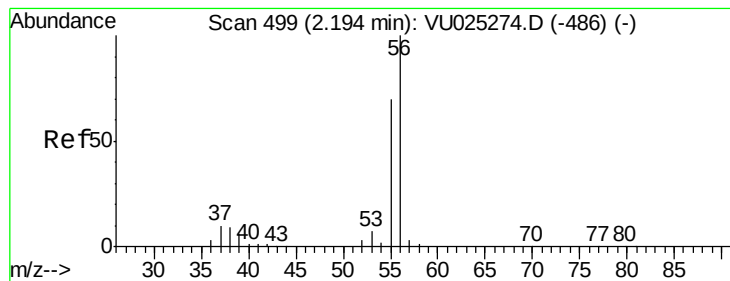


#12

1,1-Dichloroethene
Concen: 19.41 ug/l
RT: 2.28 min Scan# 527
Delta R.T. -0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Tgt Ion: 96 Resp: 41475
Ion Ratio Lower Upper
96 100
61 165.3 140.2 210.4
98 61.4 49.3 73.9





#13

Acrolein

Concen: 54.47 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

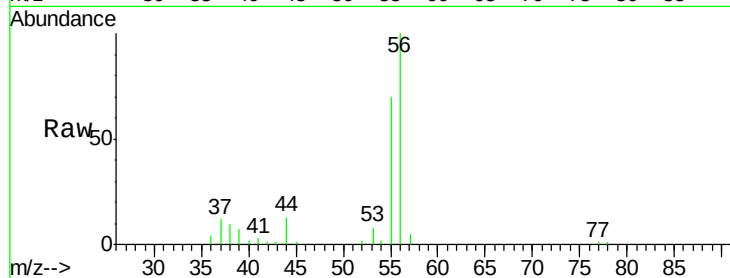
VU0711WBS02

Tot Ion: 56 Resp: 25750

Ion Ratio Lower Upper

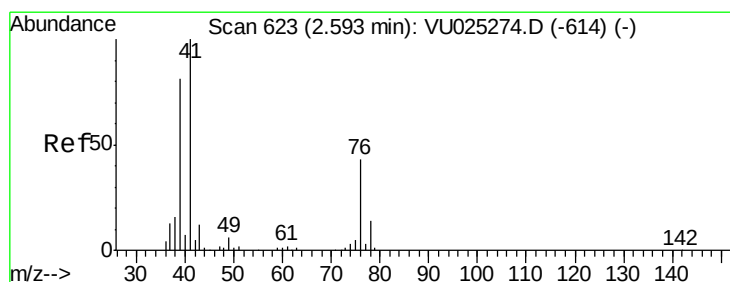
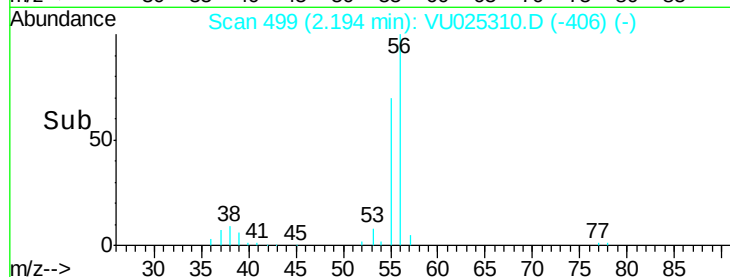
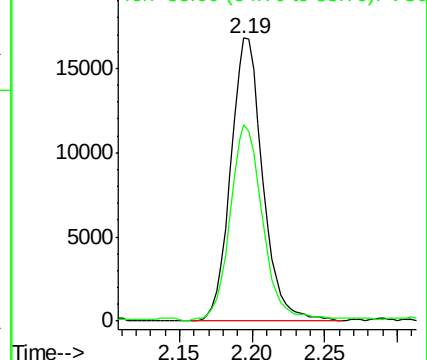
56 100

55 71.1 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: 17.68 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

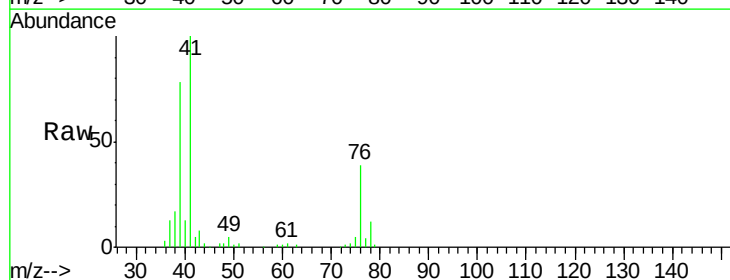
Tgt Ion: 41 Resp: 68532

Ion Ratio Lower Upper

41 100

39 79.8 60.6 91.0

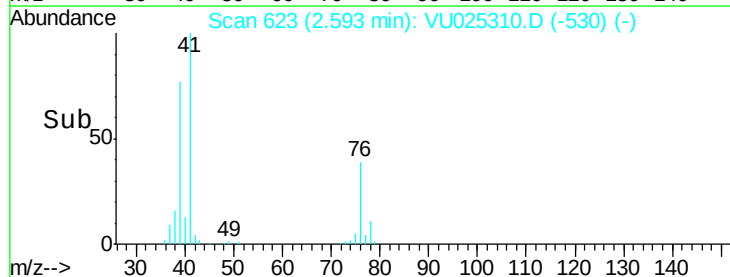
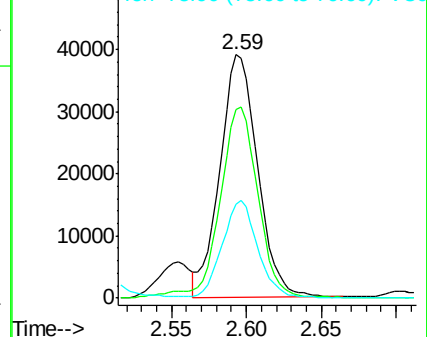
76 38.0 30.5 45.7

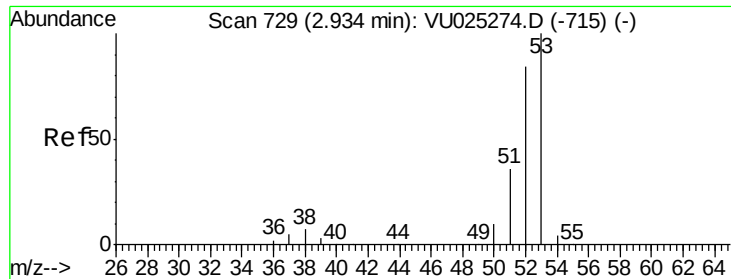


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 96.26 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS02

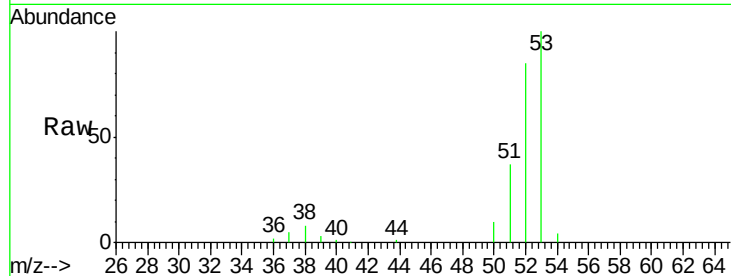
Tot Ion: 53 Resp: 141421

Ion Ratio Lower Upper

53 100

52 82.4 66.6 99.8

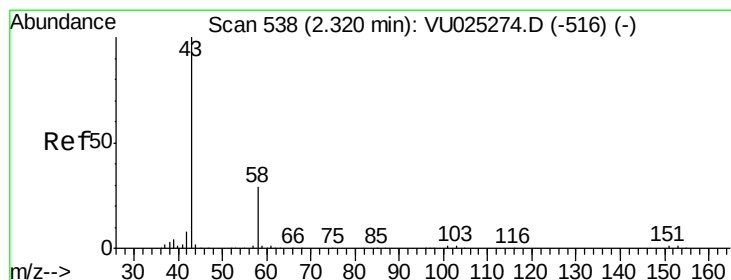
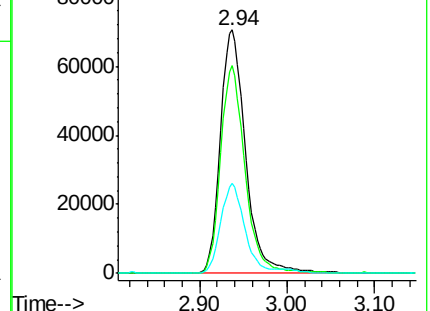
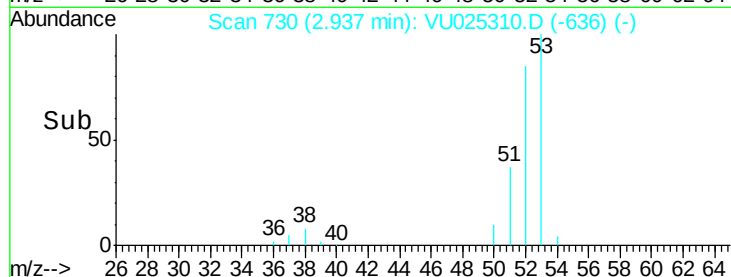
51 35.5 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 102.48 ug/l

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025310.D

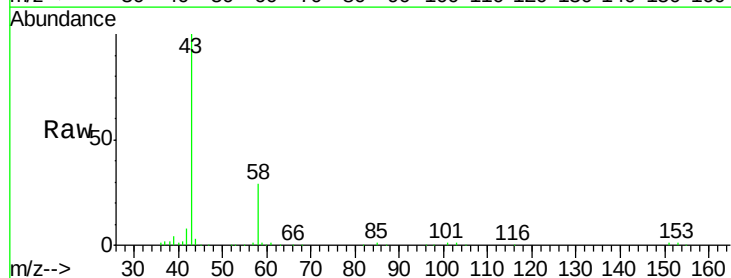
Acq: 11 Jul 2018 13:25

Tgt Ion: 43 Resp: 166386

Ion Ratio Lower Upper

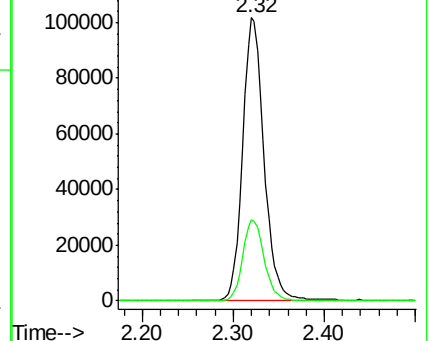
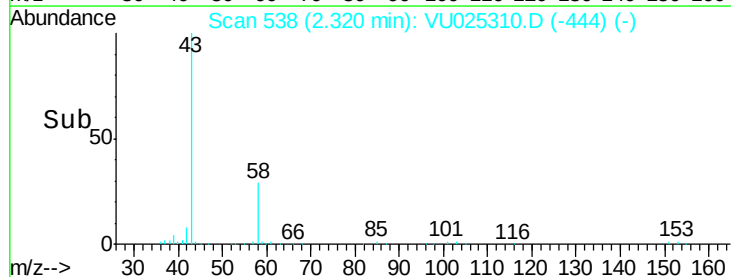
43 100

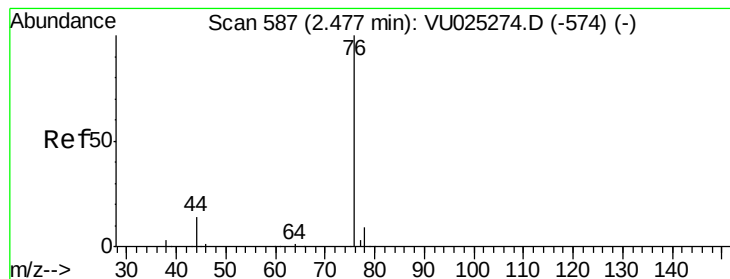
58 28.7 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 17.80 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

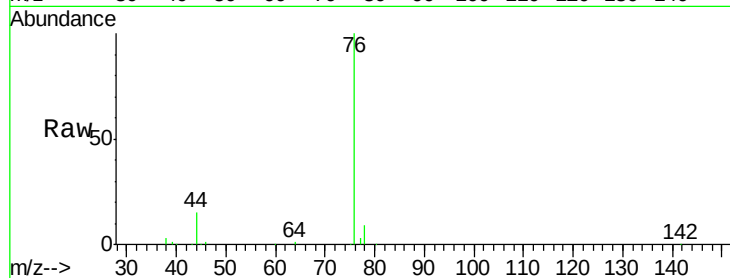
VU0711WBS02

Tot Ion: 76 Resp: 103078

Ion Ratio Lower Upper

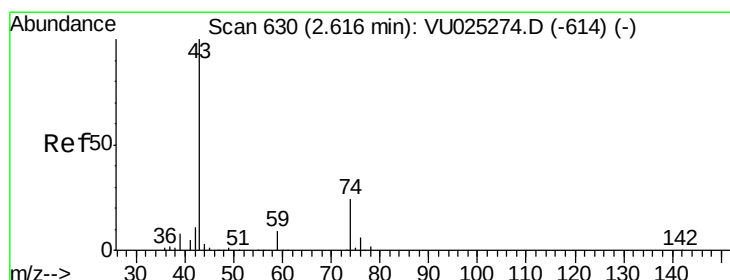
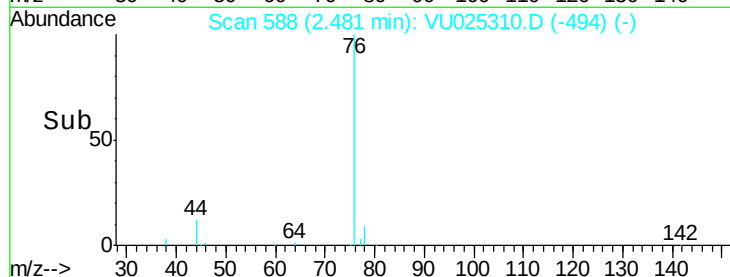
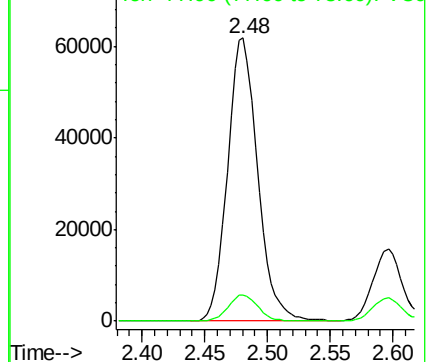
76 100

78 9.3 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: 20.86 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025310.D

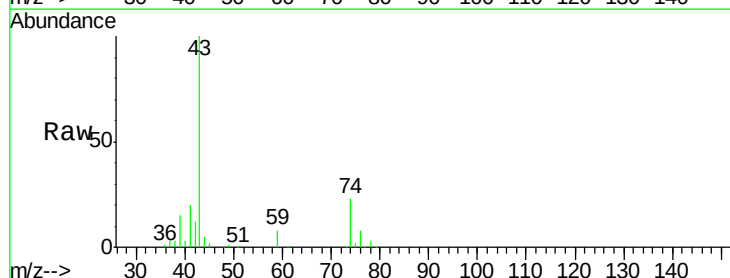
Acq: 11 Jul 2018 13:25

Tgt Ion: 43 Resp: 69959

Ion Ratio Lower Upper

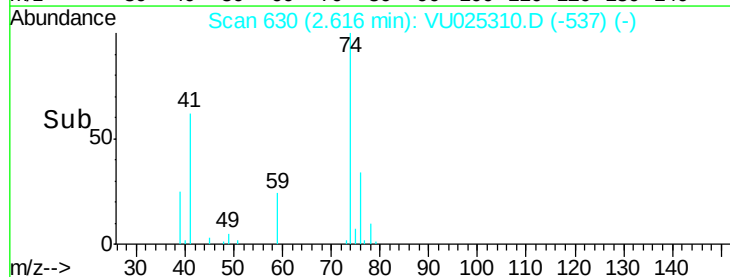
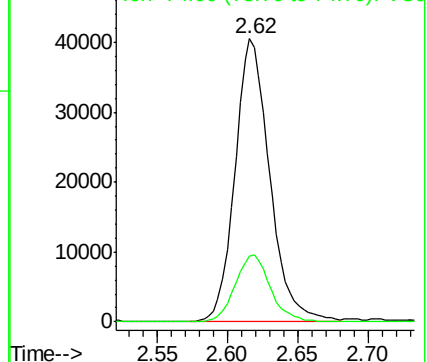
43 100

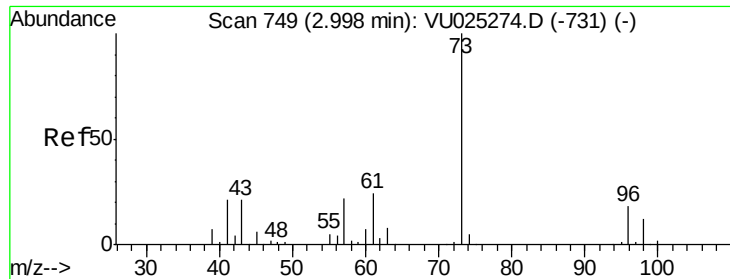
74 24.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

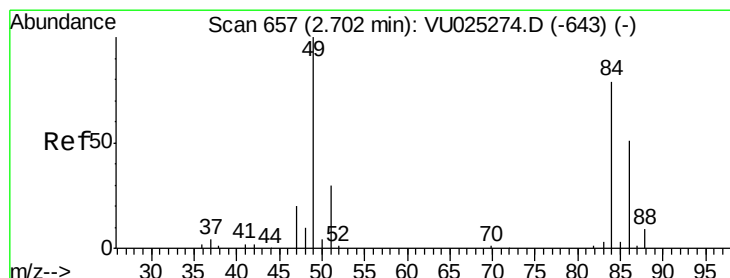
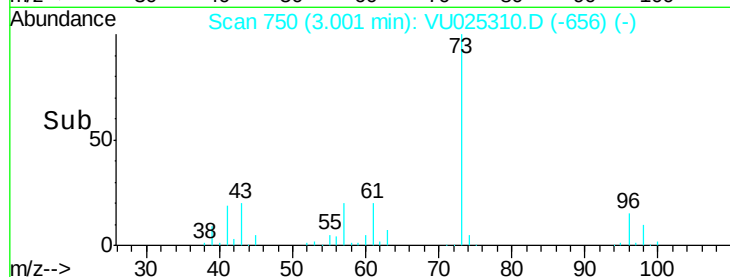
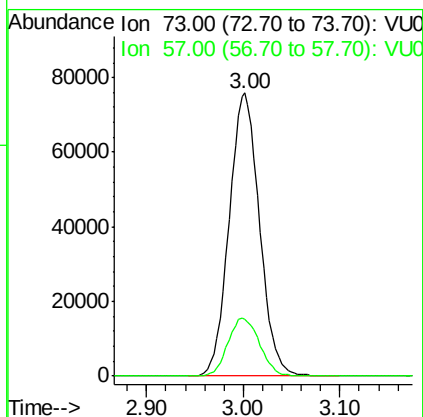
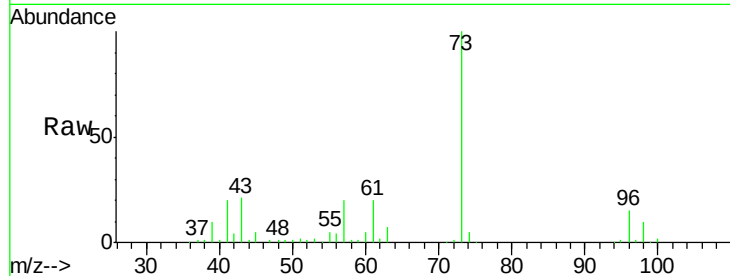




#19
Methyl tert-butyl Ether
Concen: 20.31 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

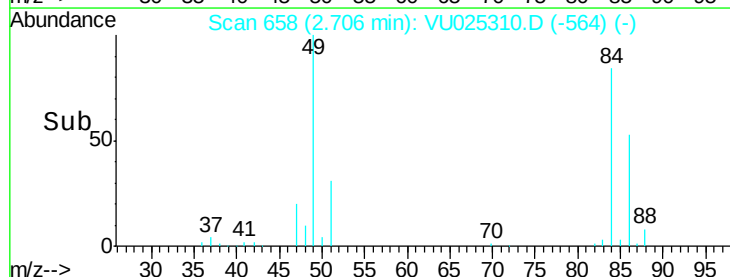
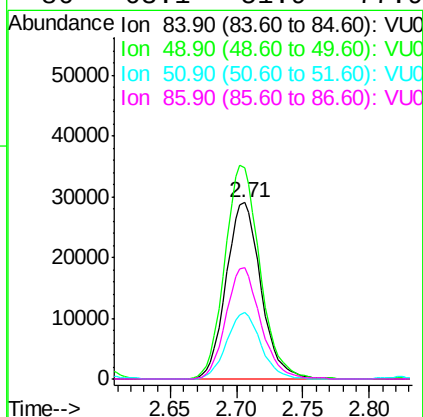
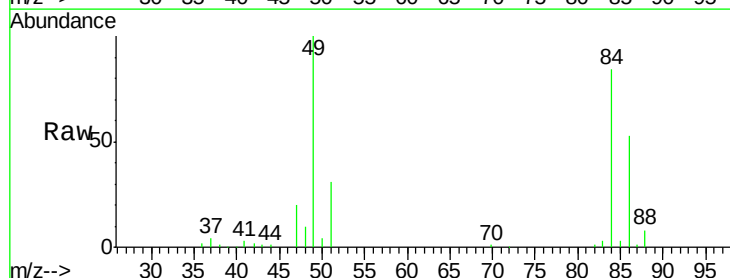
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS02

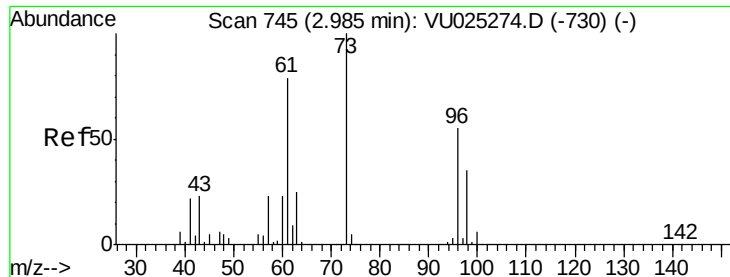
Tot Ion: 73 Resp: 165084
Ion Ratio Lower Upper
73 100
57 20.0 17.4 26.2



#20
Methylene Chloride
Concen: 21.32 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Tgt Ion: 84 Resp: 53010
Ion Ratio Lower Upper
84 100
49 119.6 101.8 152.6
51 37.4 30.8 46.2
86 63.1 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 18.15 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS02

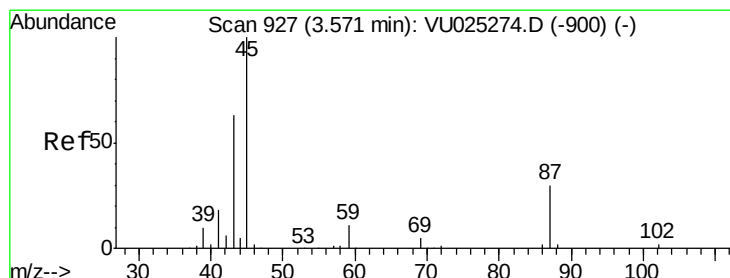
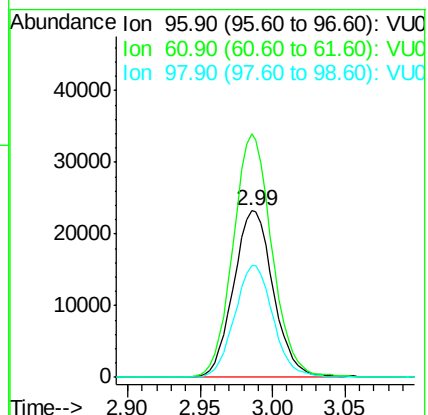
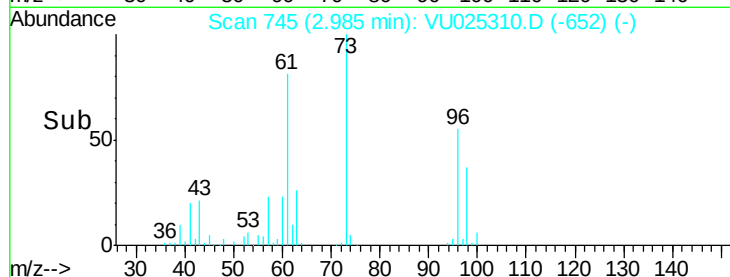
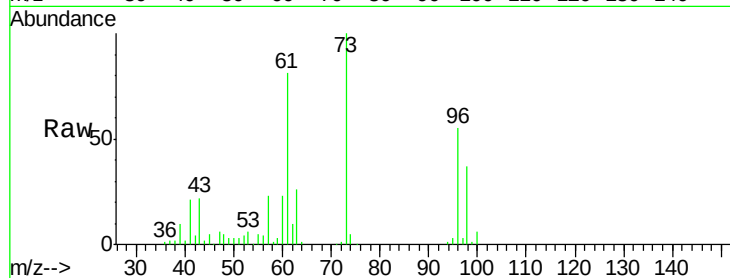
Tot Ion: 96 Resp: 44317

Ion Ratio Lower Upper

96 100

61 145.6 114.5 171.7

98 67.0 50.5 75.7



#22

Diisopropyl ether

Concen: 19.88 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Tgt Ion: 45 Resp: 157364

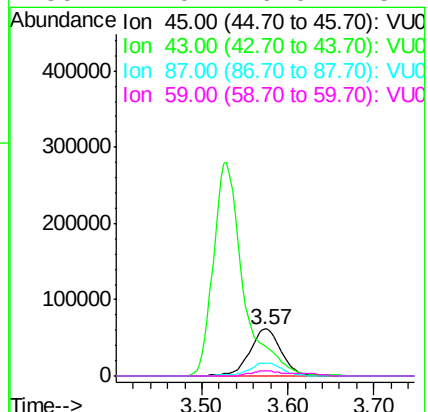
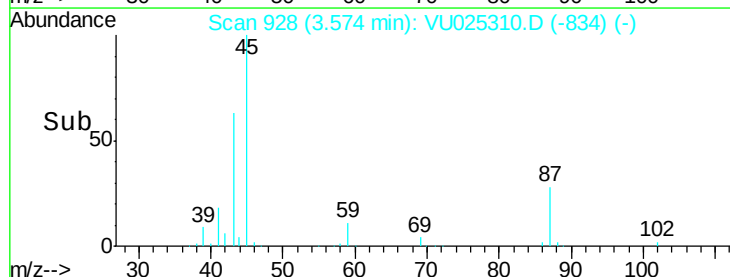
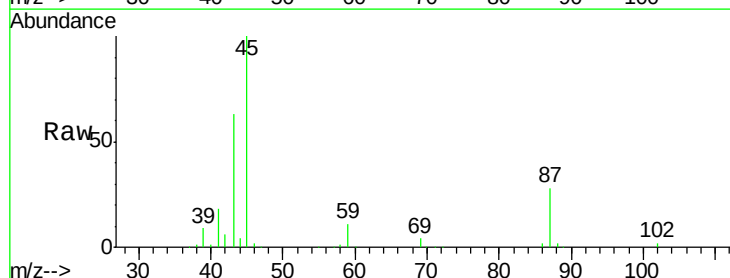
Ion Ratio Lower Upper

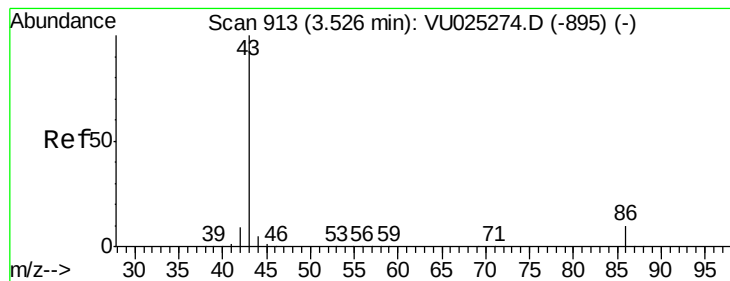
45 100

43 61.1 50.9 76.3

87 28.1 23.8 35.8

59 11.0 9.0 13.4





#23

Vinyl Acetate

Concen: 98.18 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

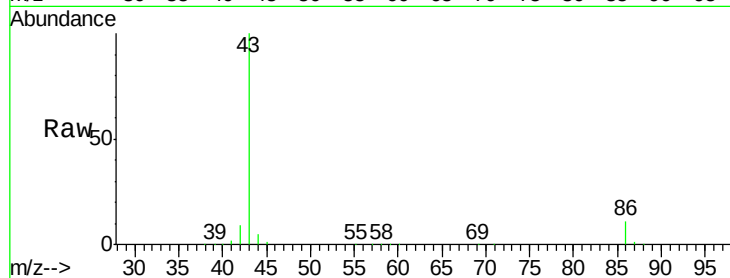
VU0711WBS02

Tot Ion: 43 Resp: 681682

Ion Ratio Lower Upper

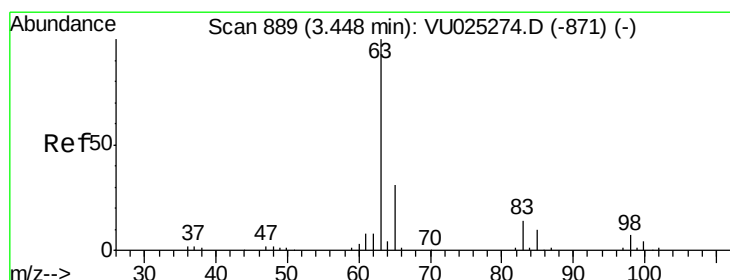
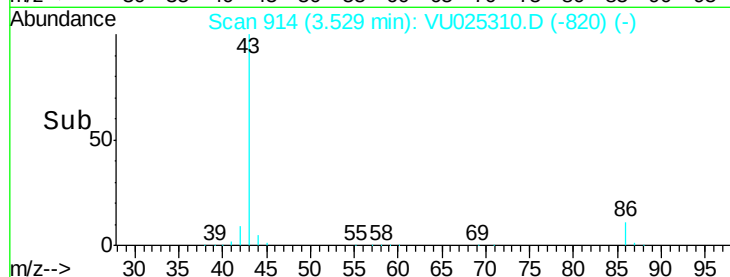
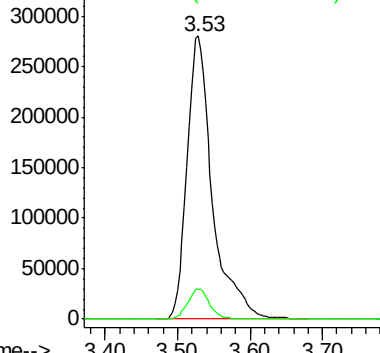
43 100

86 10.6 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 20.61 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

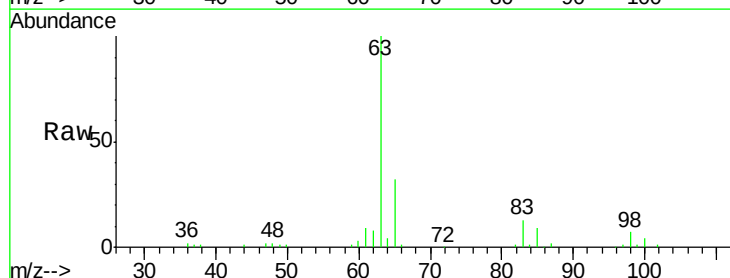
Tgt Ion: 63 Resp: 92020

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

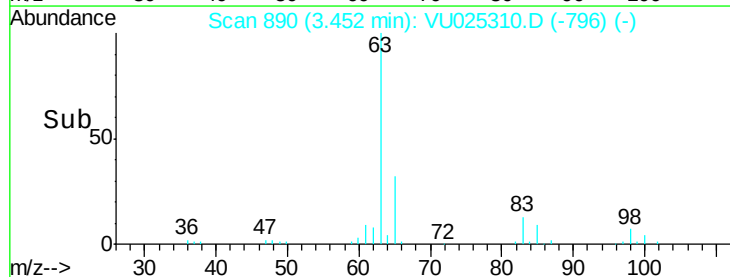
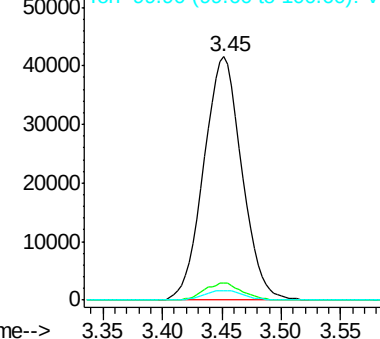
100 3.9 2.0 6.0

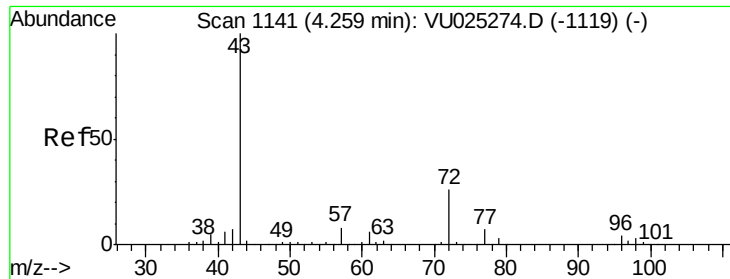


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 96.59 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

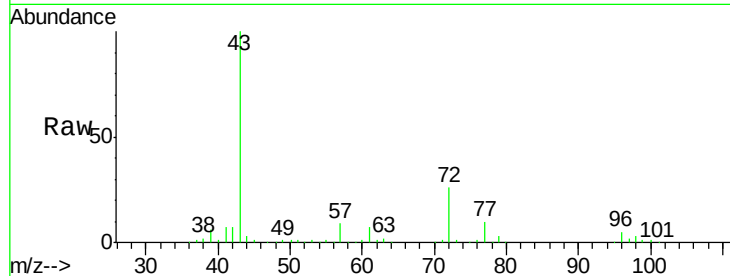
VU0711WBS02

Tot Ion: 43 Resp: 219281

Ion Ratio Lower Upper

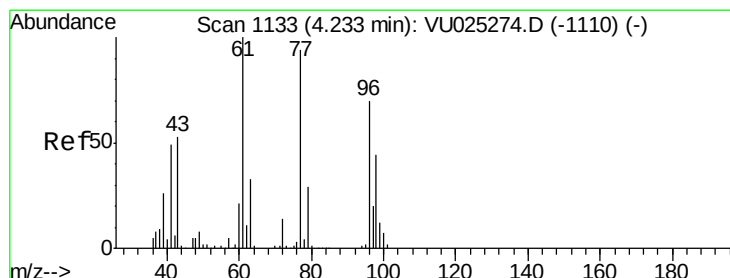
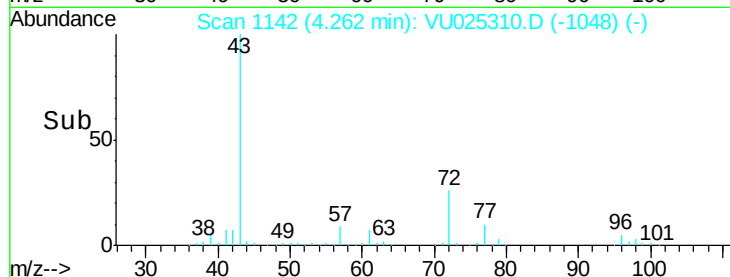
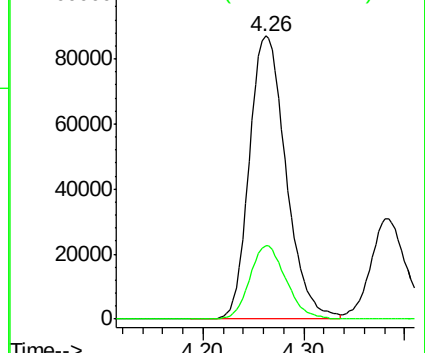
43 100

72 26.0 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: 19.76 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU025310.D

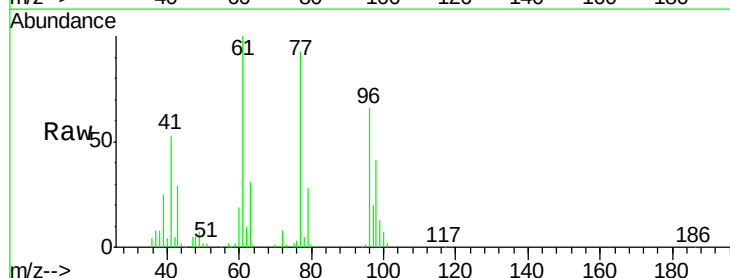
Acq: 11 Jul 2018 13:25

Tgt Ion: 77 Resp: 84821

Ion Ratio Lower Upper

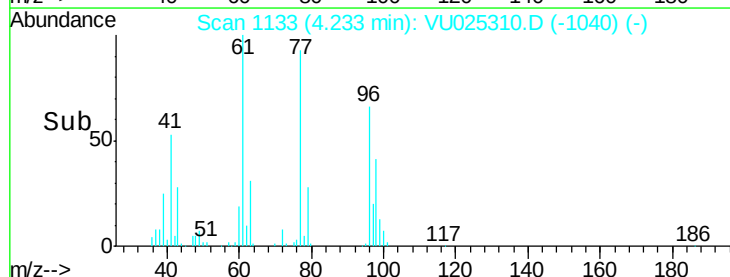
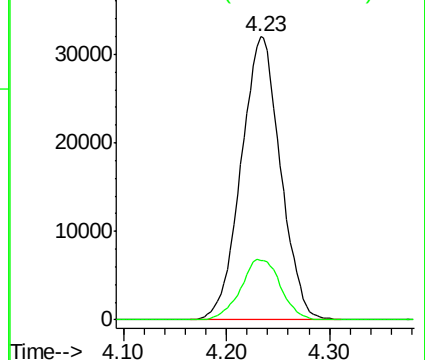
77 100

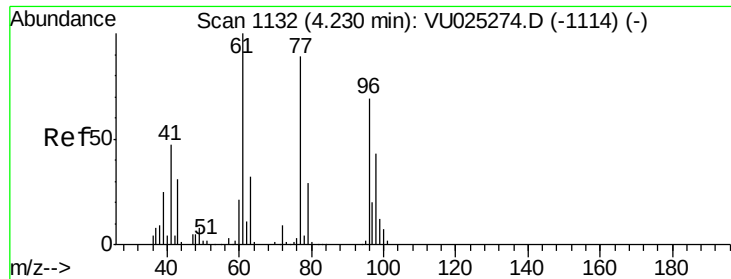
97 21.6 11.2 33.5



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: 19.25 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS02

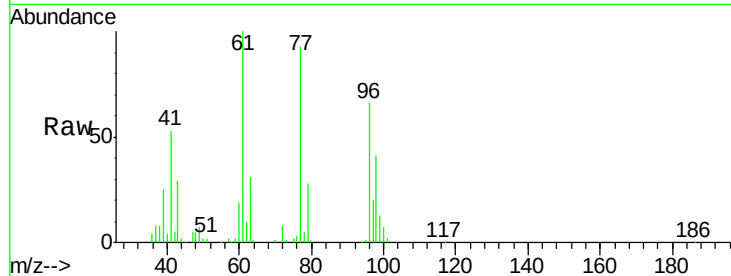
Tot Ion: 96 Resp: 54385

Ion Ratio Lower Upper

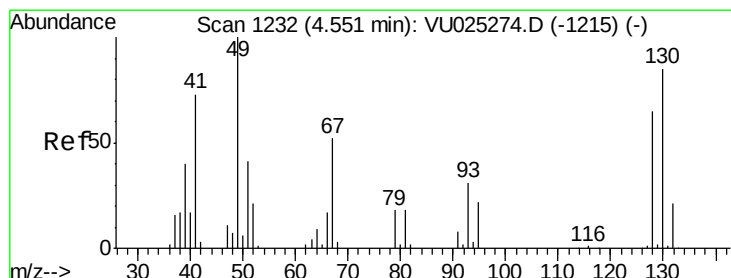
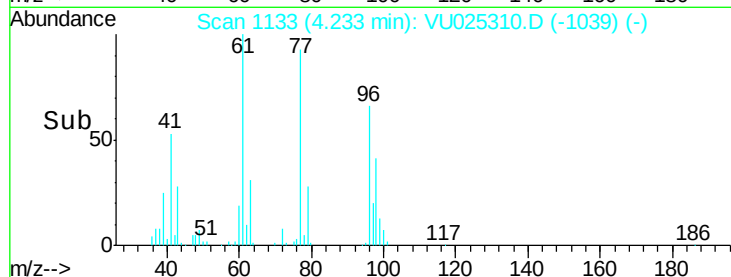
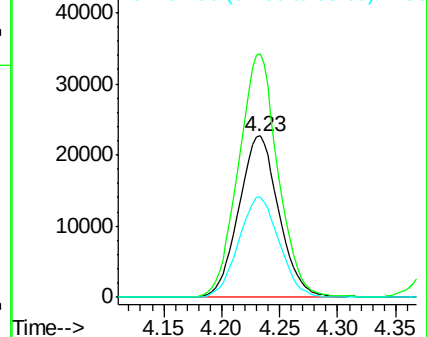
96 100

61 149.2 0.0 299.8

98 62.4 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: 20.63 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

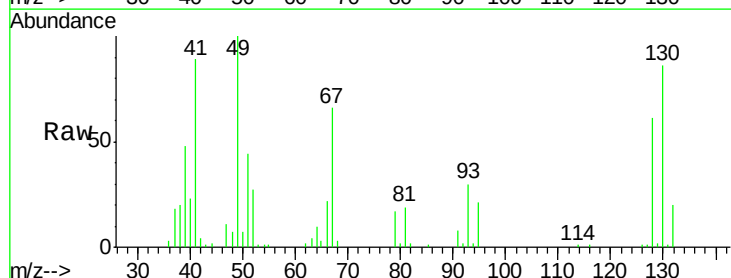
Tgt Ion: 49 Resp: 44477

Ion Ratio Lower Upper

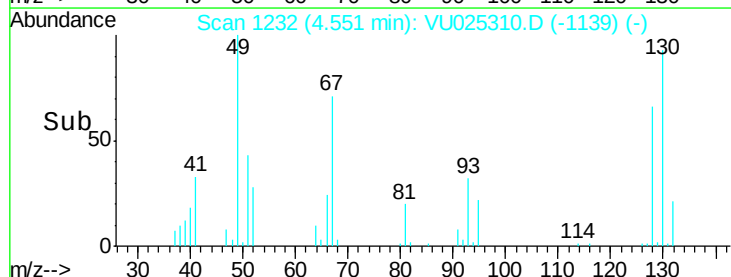
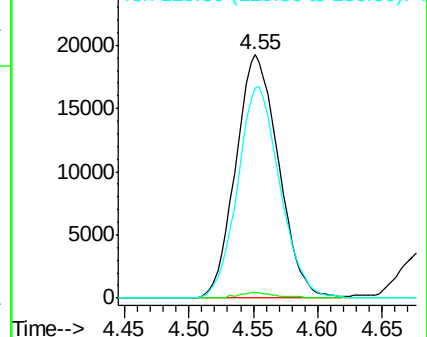
49 100

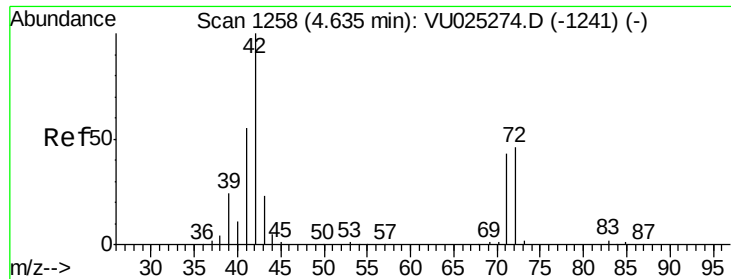
129 1.8 0.0 4.6

130 85.7 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

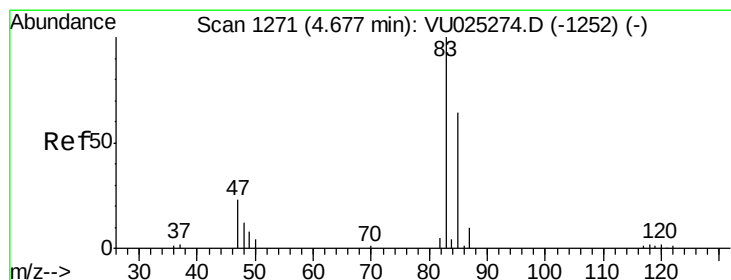
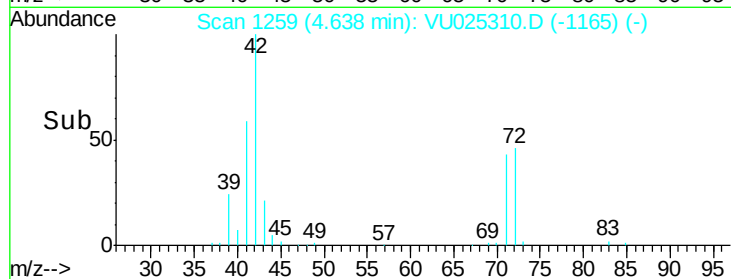
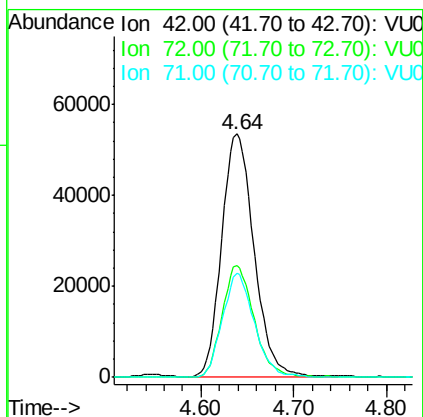
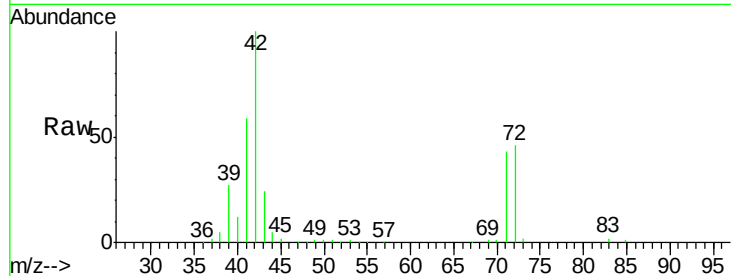




#29
Tetrahydrofuran
Concen: 95.74 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

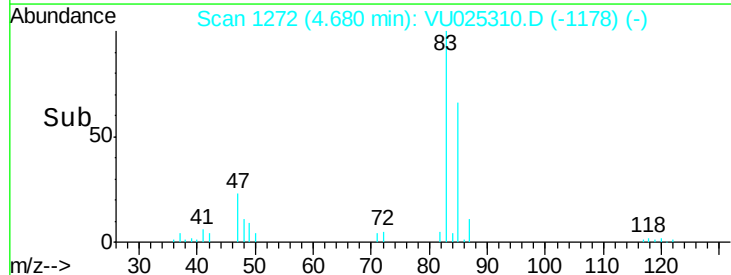
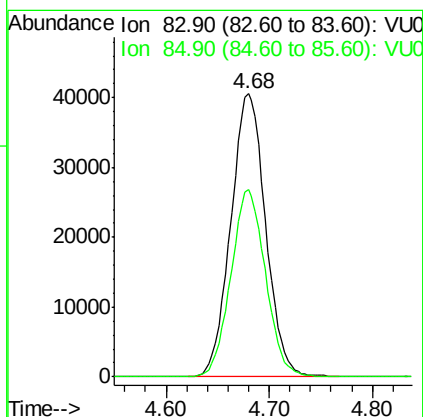
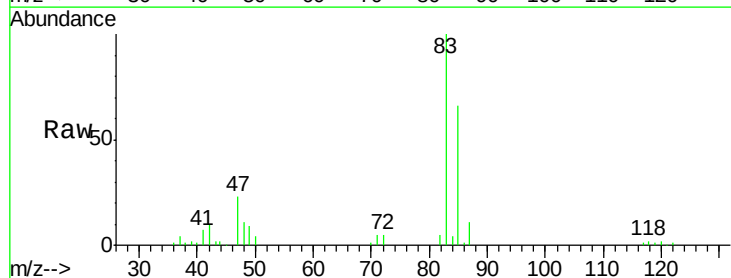
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS02

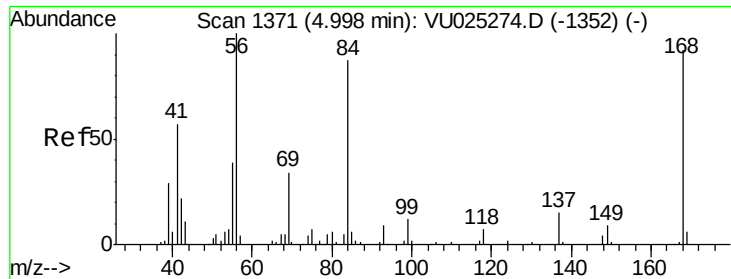
Tot Ion: 42 Resp: 130375
Ion Ratio Lower Upper
42 100
72 45.0 36.7 55.1
71 41.9 33.9 50.9



#30
Chloroform
Concen: 20.19 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Tgt Ion: 83 Resp: 95441
Ion Ratio Lower Upper
83 100
85 66.3 51.5 77.3

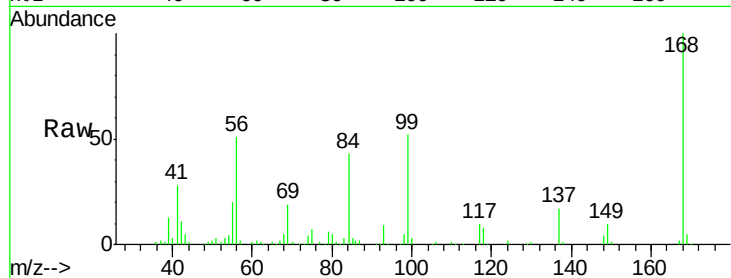




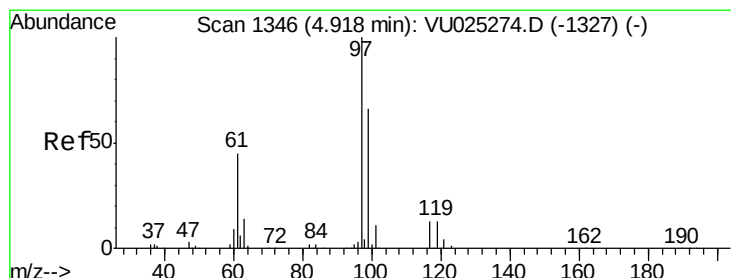
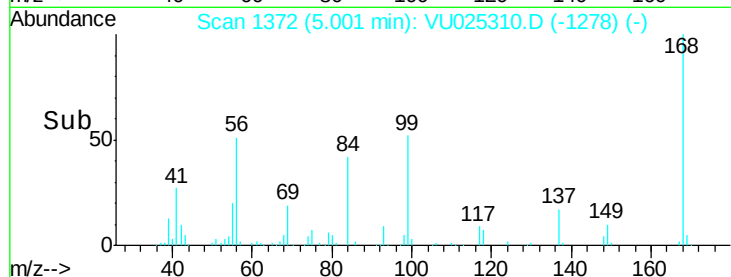
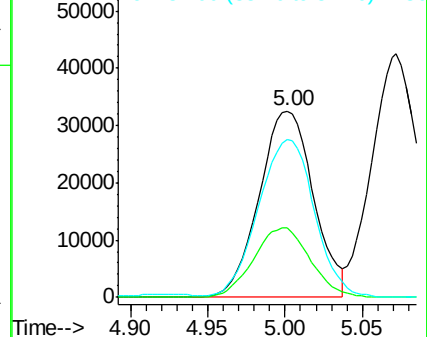
#31
Cyclohexane
Concen: 19.67 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS02

Tot Ion: 56 Resp: 79491
Ion Ratio Lower Upper
56 100
69 37.1 26.8 40.2
84 83.4 69.7 104.5

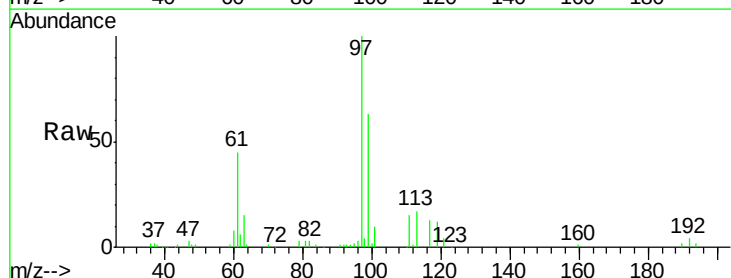


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

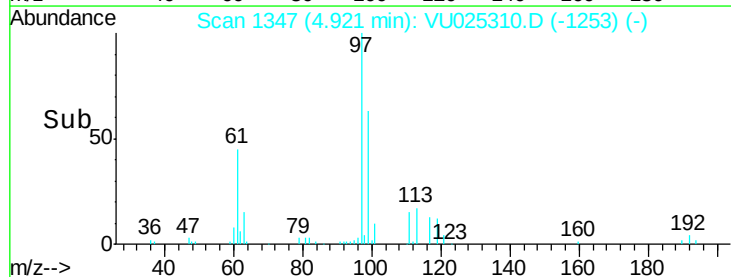
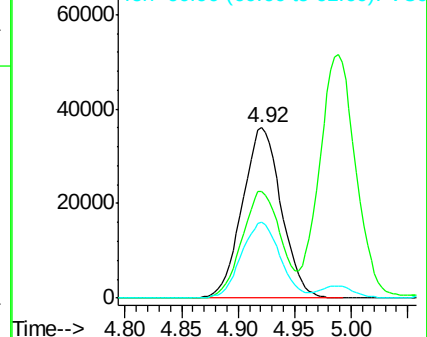


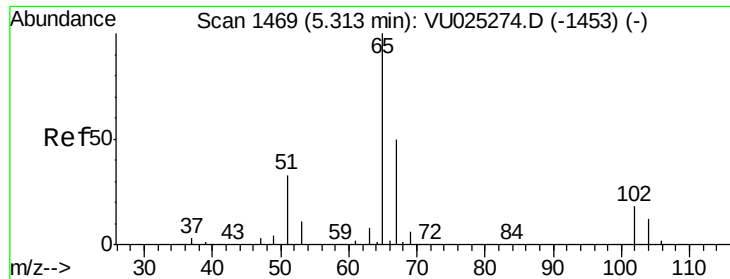
#32
1,1,1-Trichloroethane
Concen: 20.16 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Tgt Ion: 97 Resp: 86356
Ion Ratio Lower Upper
97 100
99 63.0 50.8 76.2
61 44.3 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

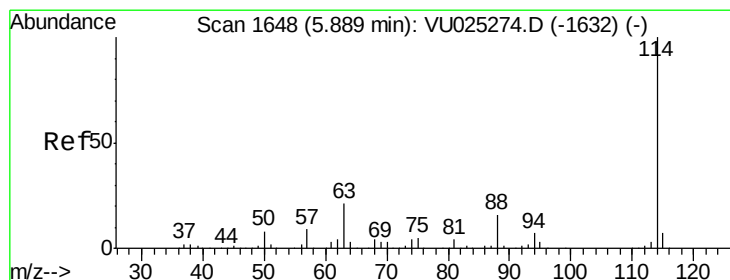
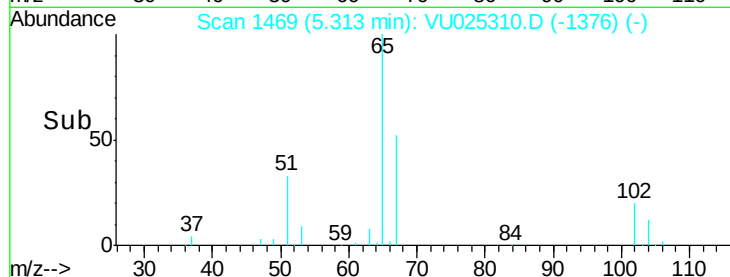
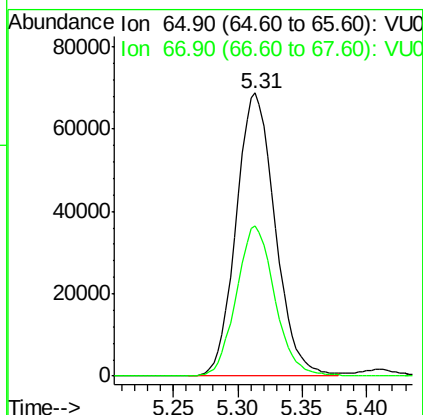
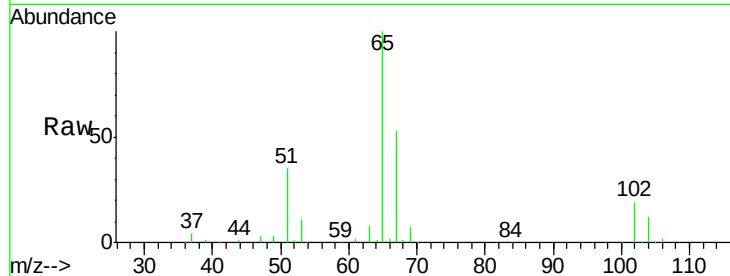




#33
 1,2-Dichloroethane-d4
 Concen: 44.16 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

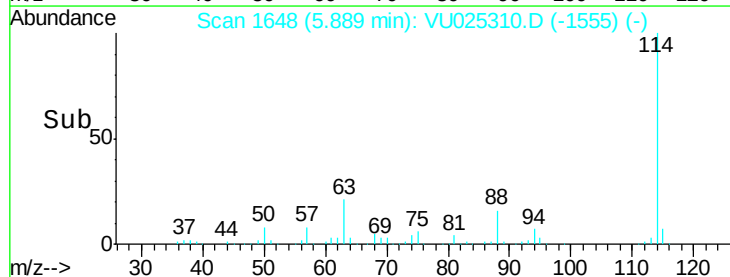
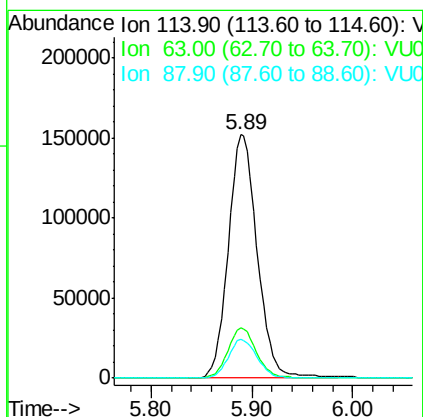
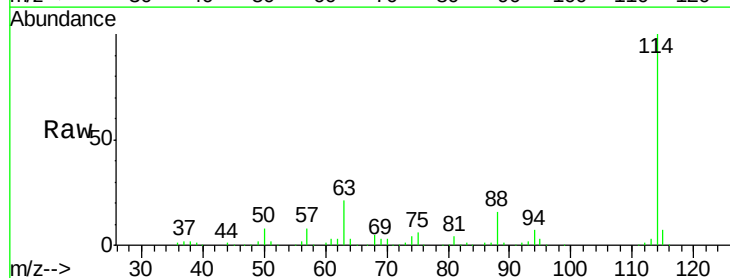
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS02

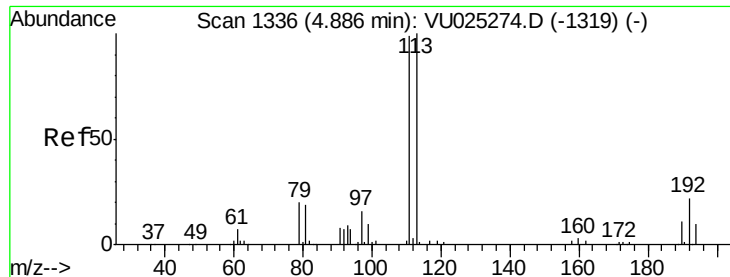
Tot Ion: 65 Resp: 144658
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

Tgt Ion: 114 Resp: 303946
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.6
 88 15.7 0.0 32.4

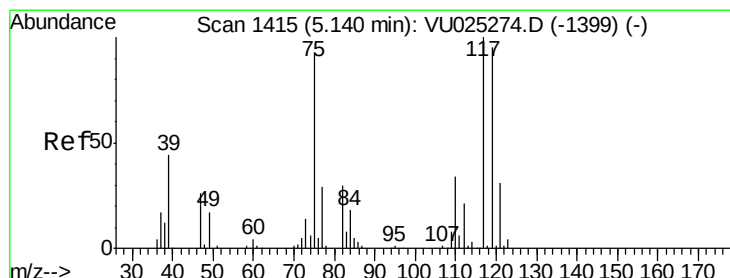
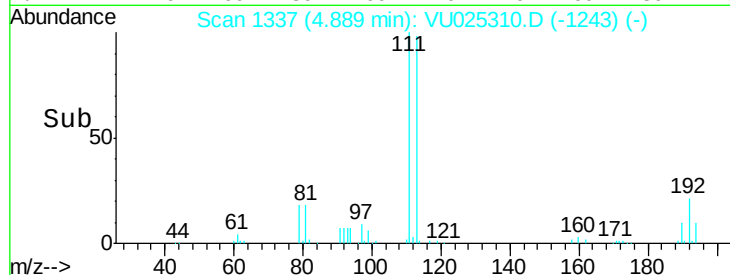
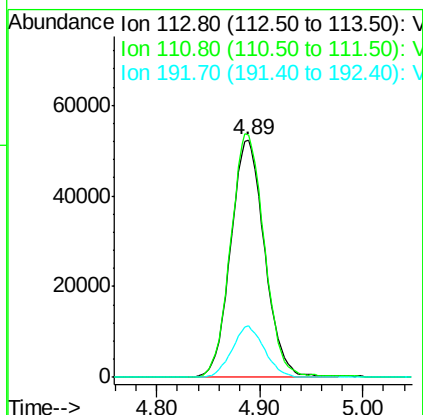
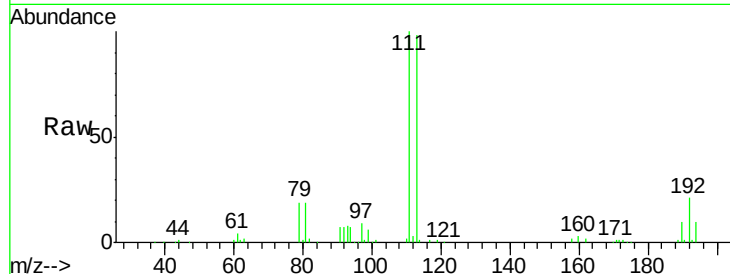




#35
 Dibromofluoromethane
 Concen: 46.74 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

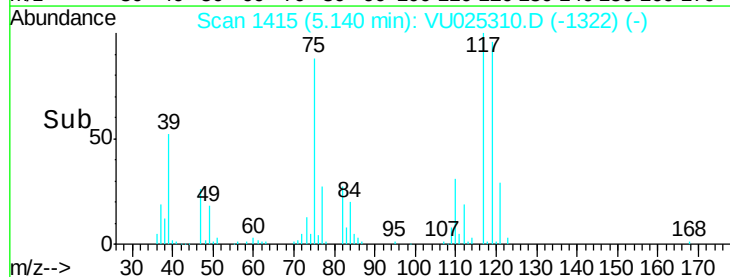
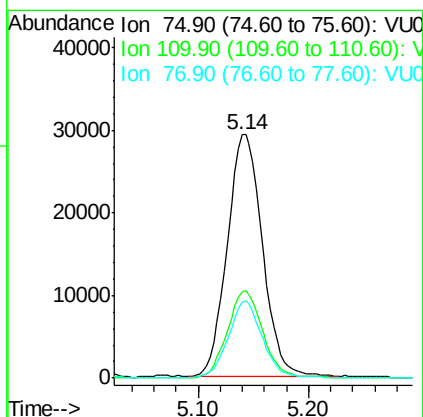
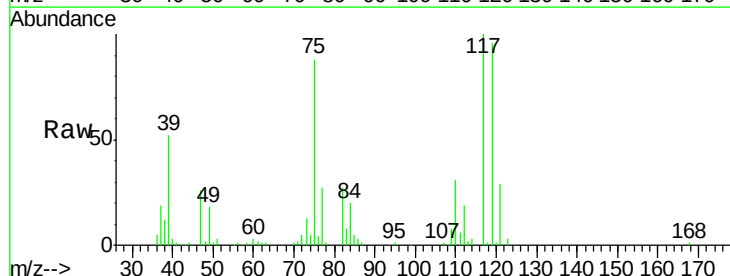
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS02

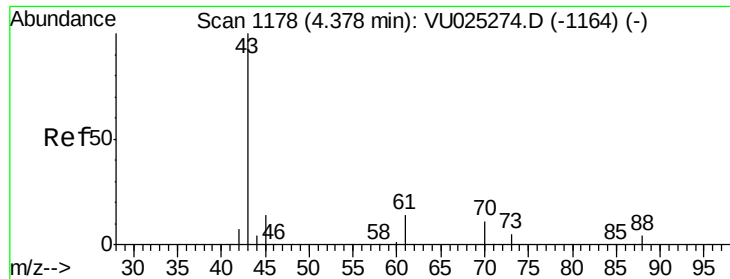
Tot Ion:113 Resp: 119845
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.7 122.5
 192 20.8 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 19.06 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

Tgt Ion: 75 Resp: 64399
 Ion Ratio Lower Upper
 75 100
 110 36.3 17.6 52.9
 77 30.8 24.4 36.6

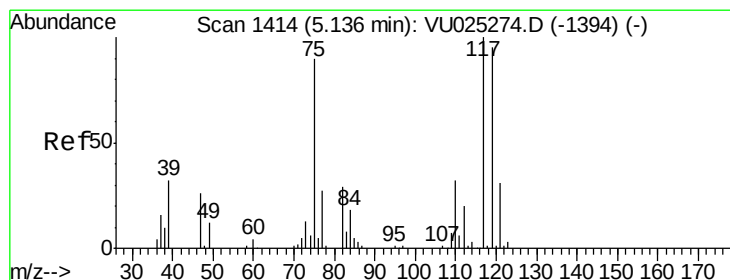
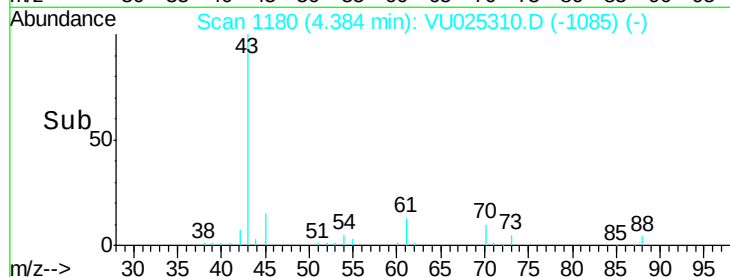
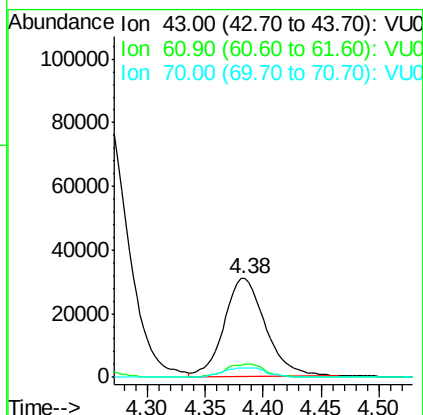
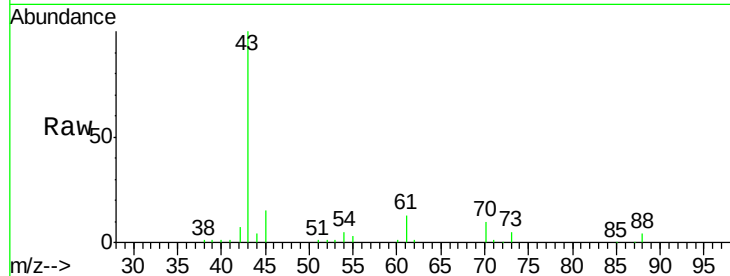




#37
Ethyl Acetate
Concen: 20.30 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

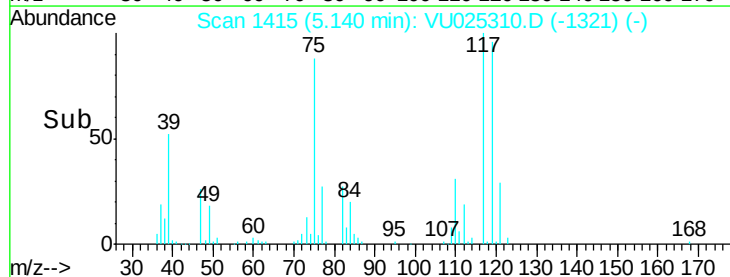
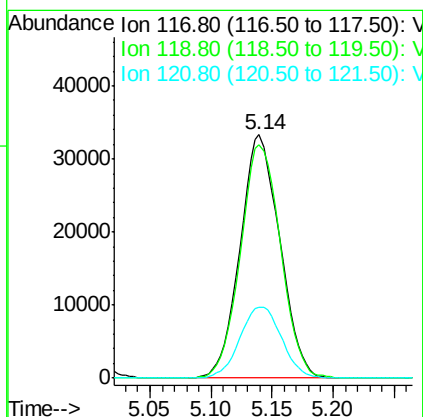
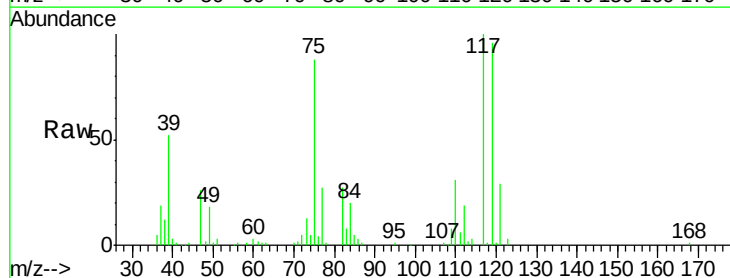
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS02

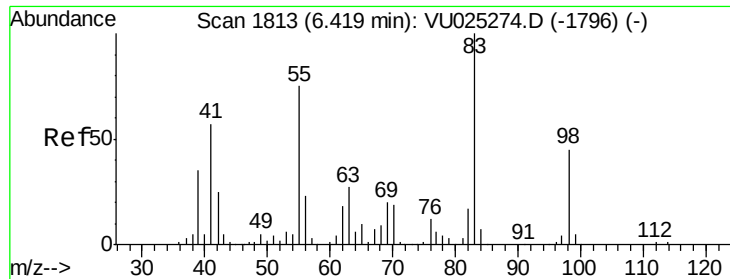
Tot Ion: 43 Resp: 76493
Ion Ratio Lower Upper
43 100
61 13.5 10.7 16.1
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.58 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Tgt Ion: 117 Resp: 74859
Ion Ratio Lower Upper
117 100
119 95.8 75.7 113.5
121 29.0 24.6 36.8

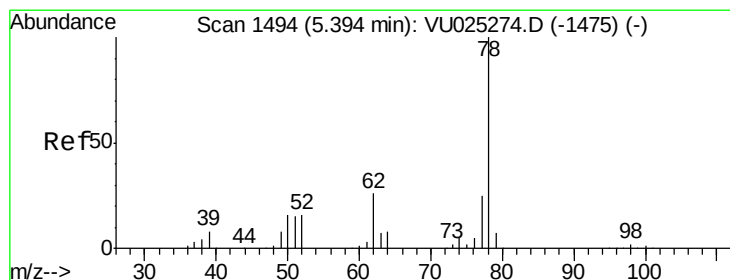
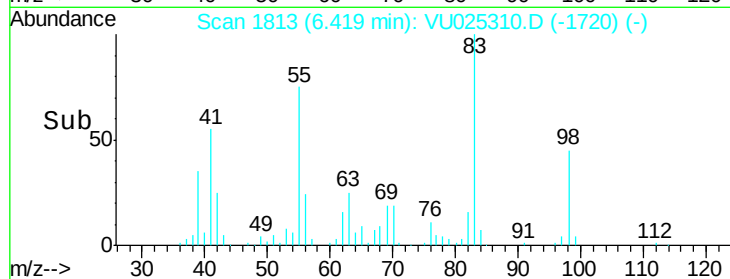
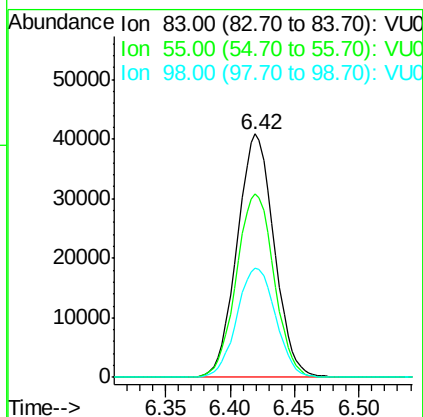
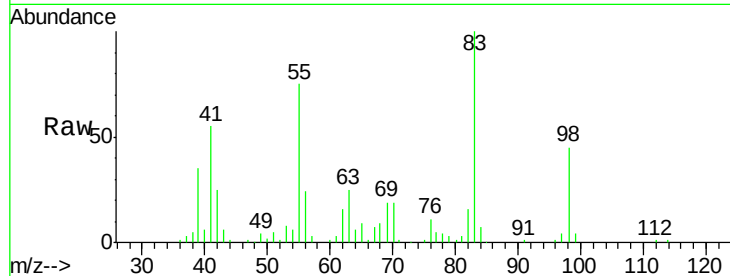




#39
Methylvlcyclohexane
Concen: 19.40 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

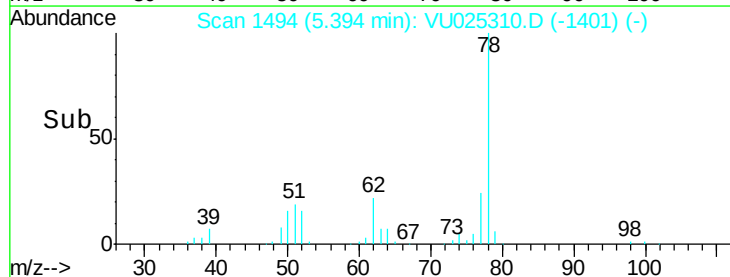
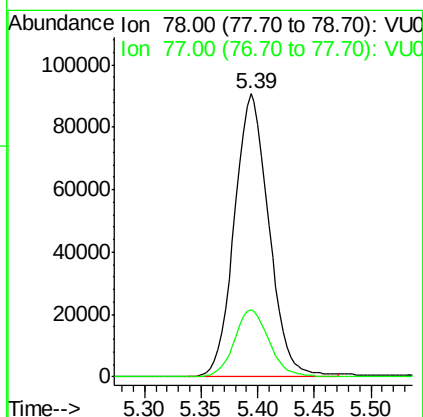
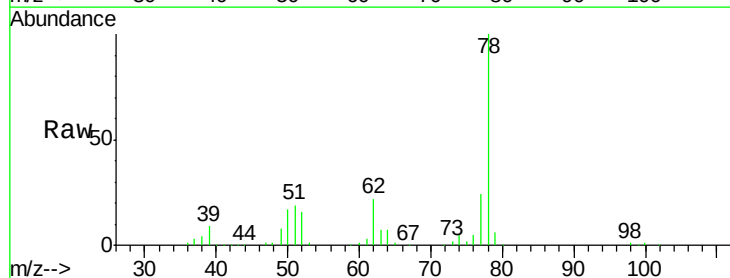
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS02

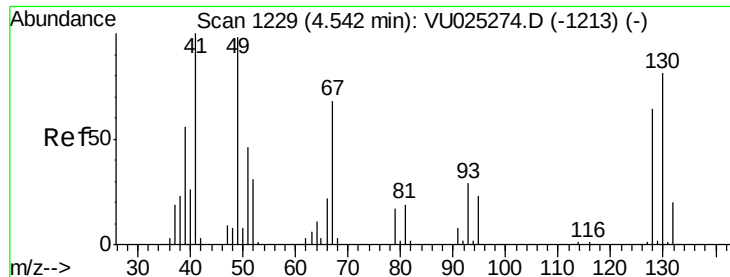
Tot Ion: 83 Resp: 81752
Ion Ratio Lower Upper
83 100
55 75.2 60.0 90.0
98 45.0 36.1 54.1



#40
Benzene
Concen: 19.84 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Tgt Ion: 78 Resp: 193185
Ion Ratio Lower Upper
78 100
77 23.8 19.8 29.6

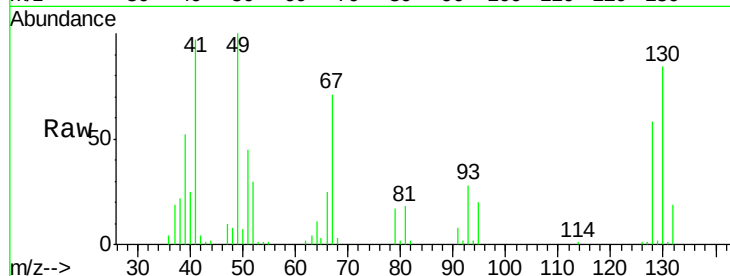




#41
Methacrylonitrile
Concen: 20.53 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.01 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS02

Tot Ion:	41	Resp:	42902
Ion	Ratio	Lower	Upper
41	100		
39	56.1	44.4	66.6
67	72.3	56.0	84.0
52	30.6	24.6	36.8



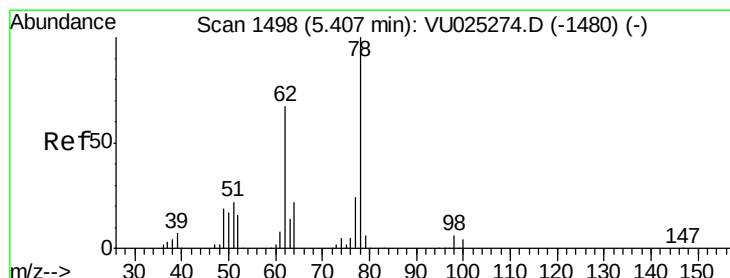
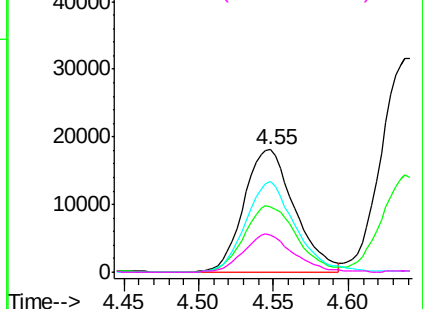
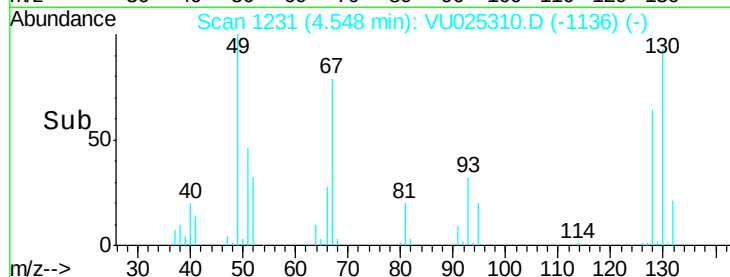
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

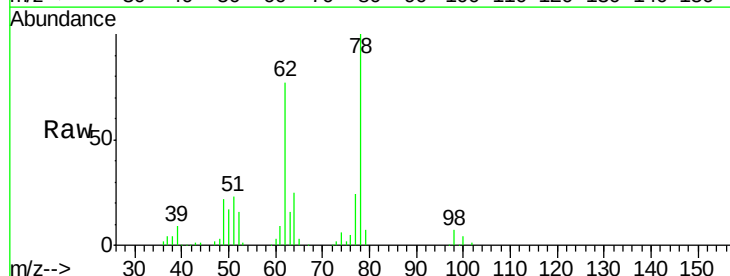
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 20.87 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

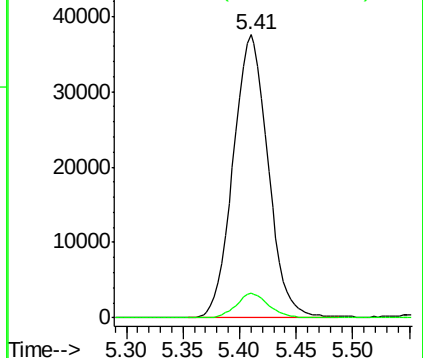
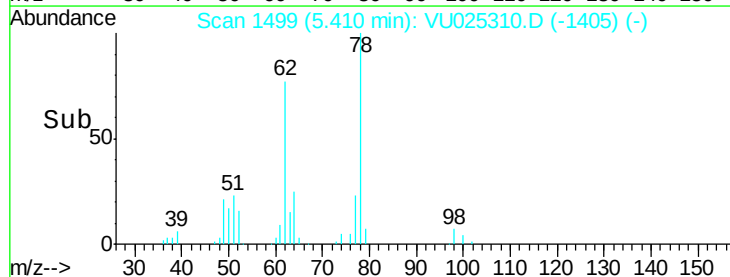
Tgt Ion:	62	Resp:	80793
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.4

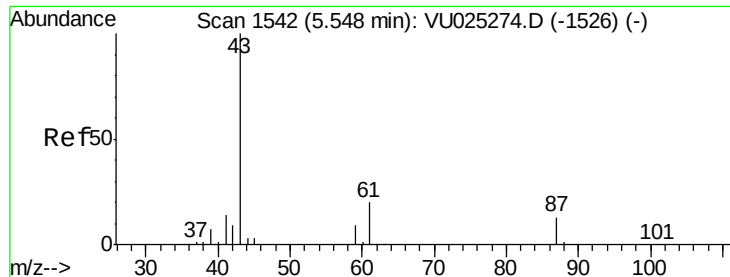


Abundance

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: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS02

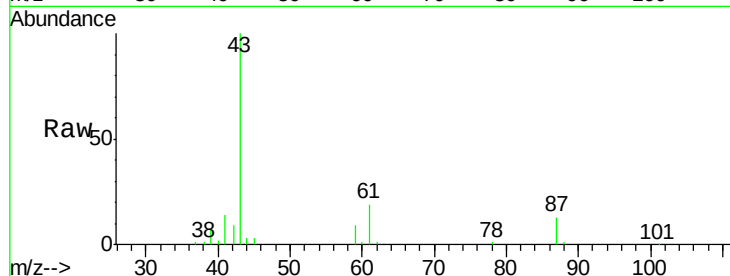
Tot Ion: 43 Resp: 123898

Ion Ratio Lower Upper

43 100

61 19.4 15.5 23.3

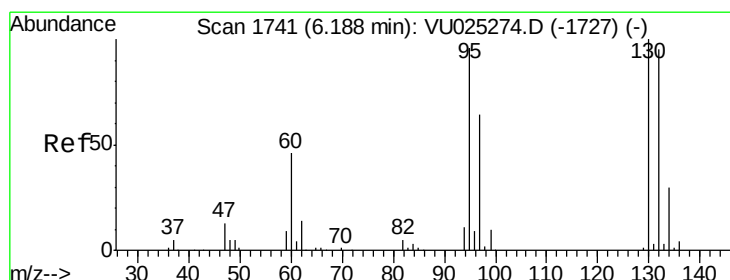
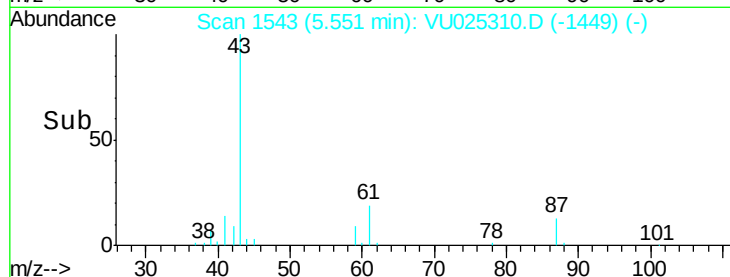
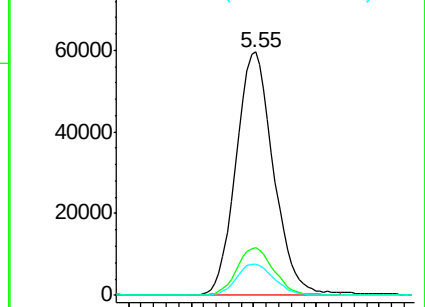
87 12.8 10.6 16.0



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: 19.49 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025310.D

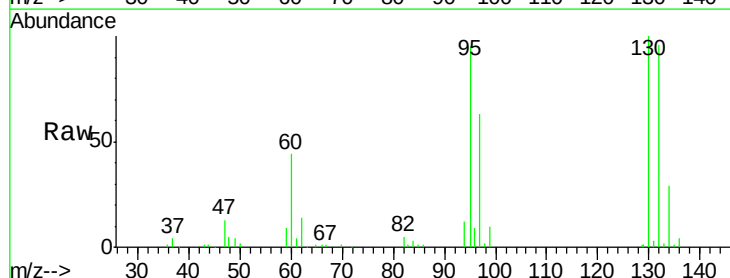
Acq: 11 Jul 2018 13:25

Tgt Ion:130 Resp: 54490

Ion Ratio Lower Upper

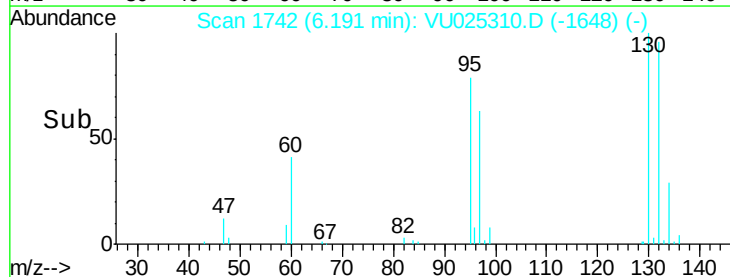
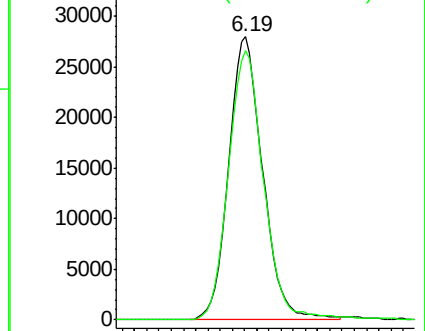
130 100

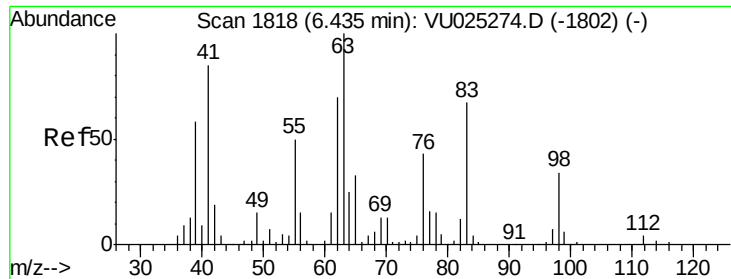
95 95.1 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 20.61 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

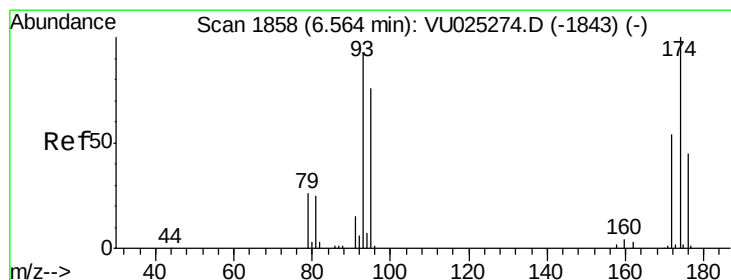
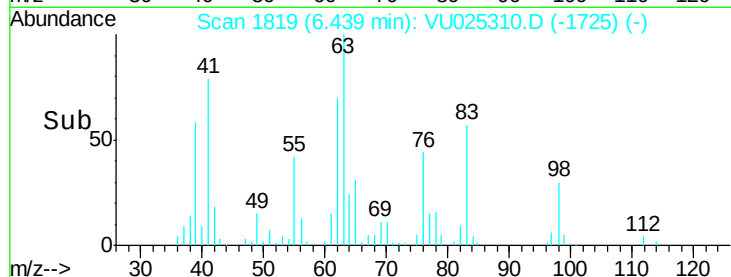
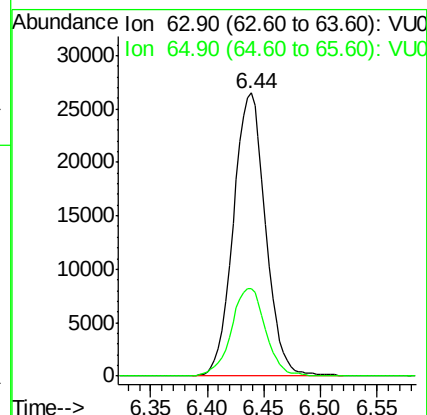
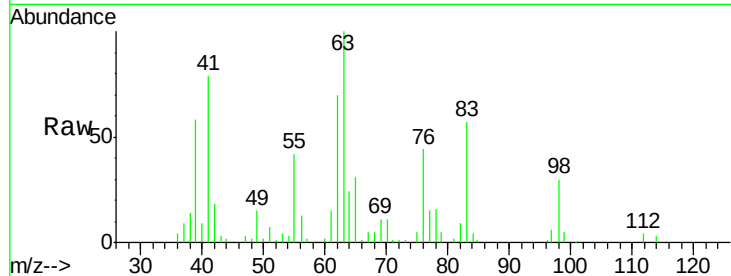
VU0711WBS02

Tot Ion: 63 Resp: 52562

Ion Ratio Lower Upper

63 100

65 31.1 26.1 39.1



#46

Dibromomethane

Concen: 20.58 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

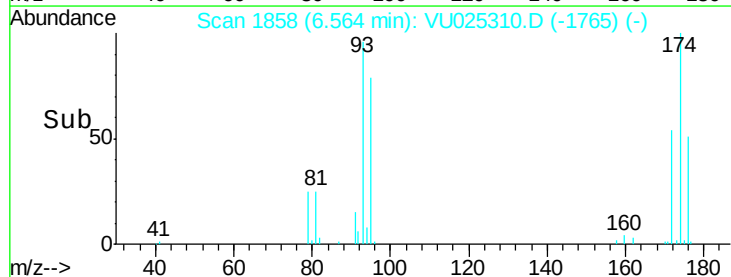
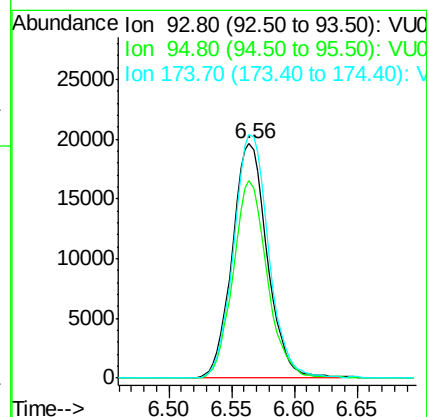
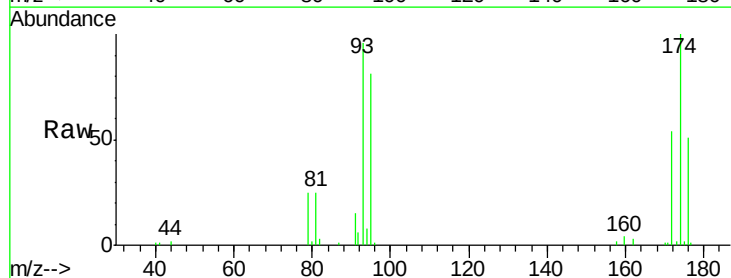
Tgt Ion: 93 Resp: 38198

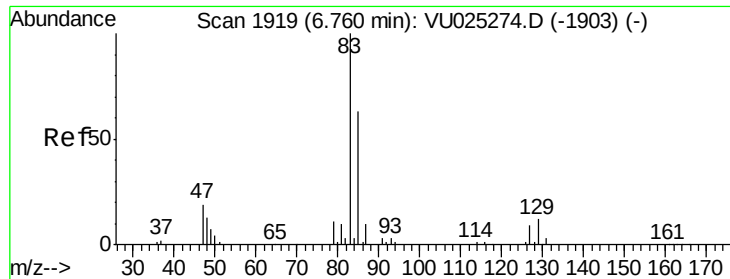
Ion Ratio Lower Upper

93 100

95 81.3 66.6 100.0

174 103.6 85.8 128.8





#47

Bromodichloromethane

Concen: 20.75 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS02

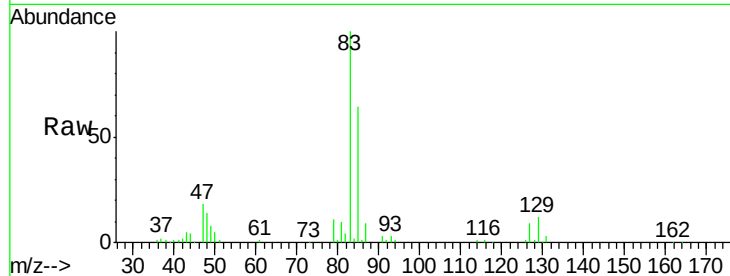
Tot Ion: 83 Resp: 71560

Ion Ratio Lower Upper

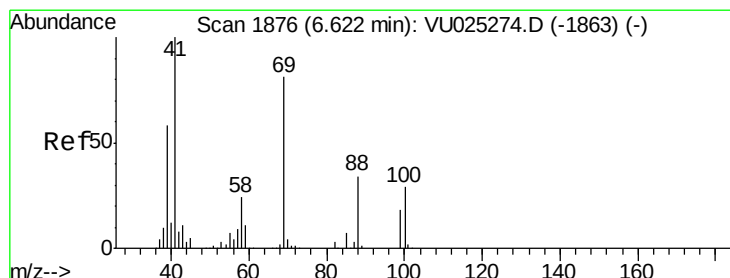
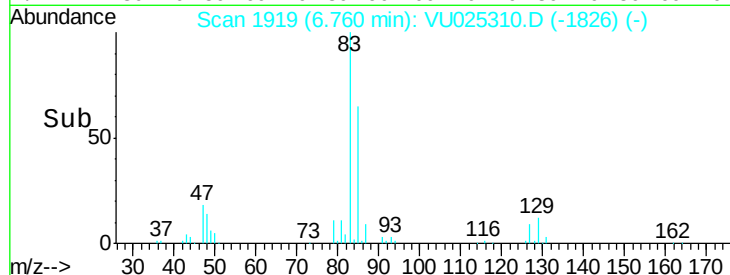
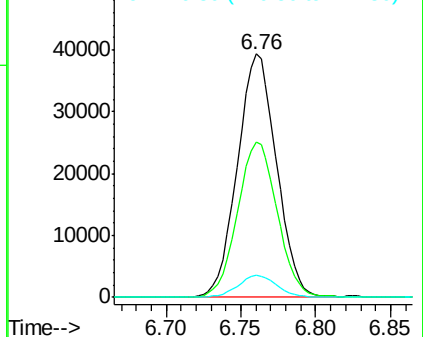
83 100

85 63.6 50.2 75.4

127 8.9 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: 20.67 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

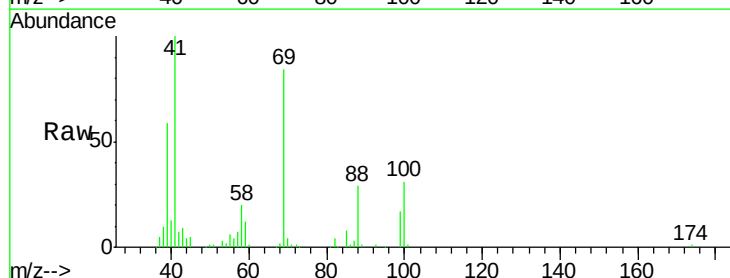
Tgt Ion: 41 Resp: 62174

Ion Ratio Lower Upper

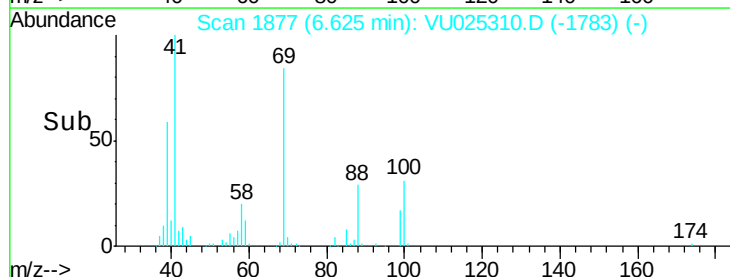
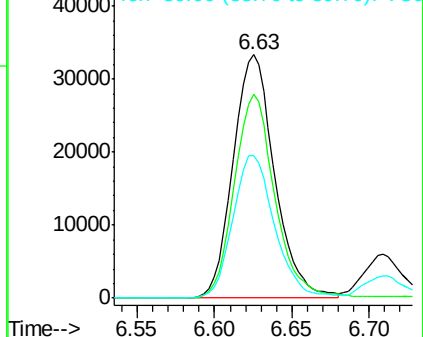
41 100

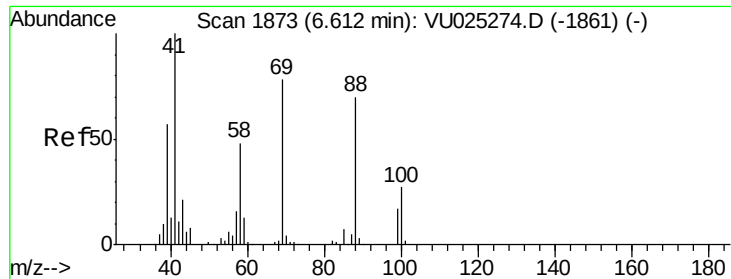
69 81.7 65.0 97.4

39 58.8 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

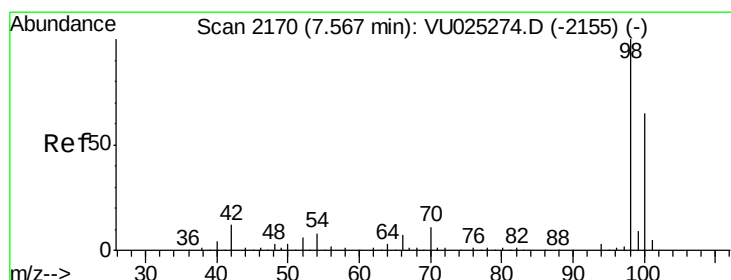
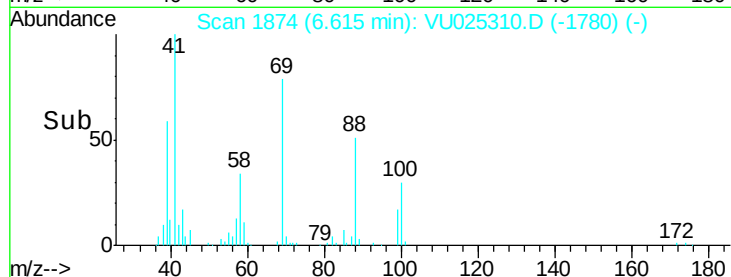
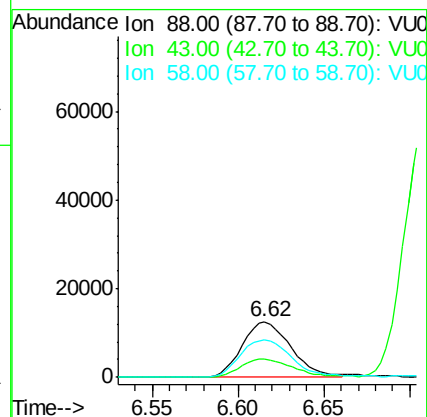
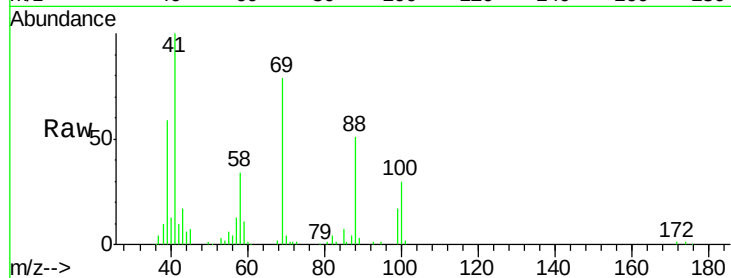




#49
1,4-Dioxane
Concen: 343.80 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

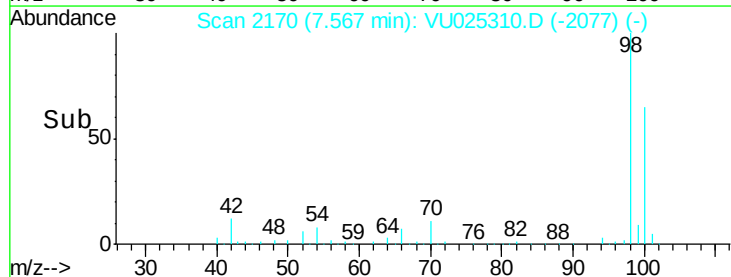
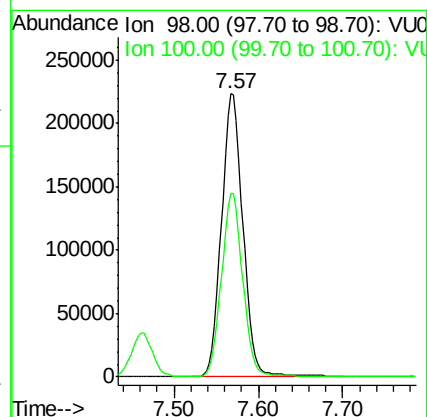
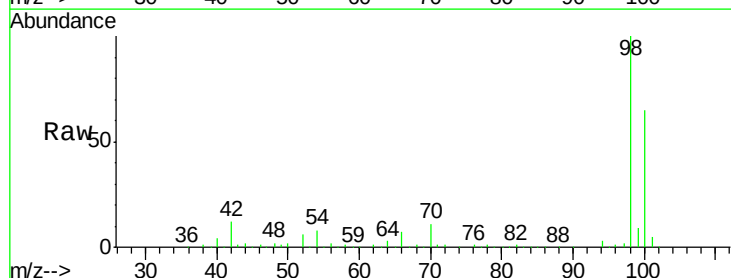
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS02

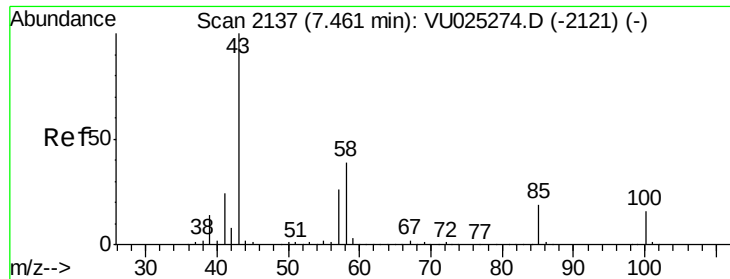
Tot Ion: 88 Resp: 24888
Ion Ratio Lower Upper
88 100
43 34.7 27.3 40.9
58 72.0 57.6 86.4



#50
Toluene-d8
Concen: 45.07 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Tgt Ion: 98 Resp: 395757
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 100.07 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

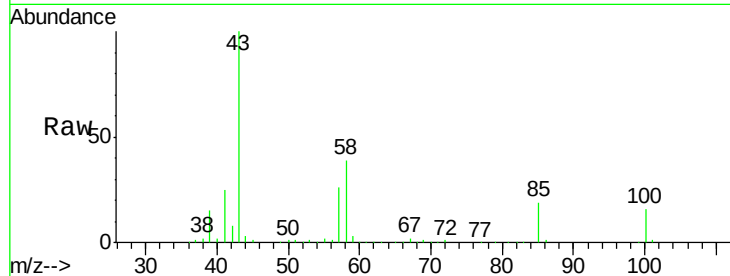
VU0711WBS02

Tot Ion: 43 Resp: 392520

Ion Ratio Lower Upper

43 100

58 38.6 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

250000

200000

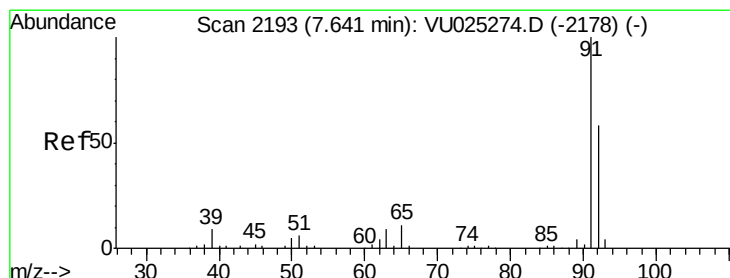
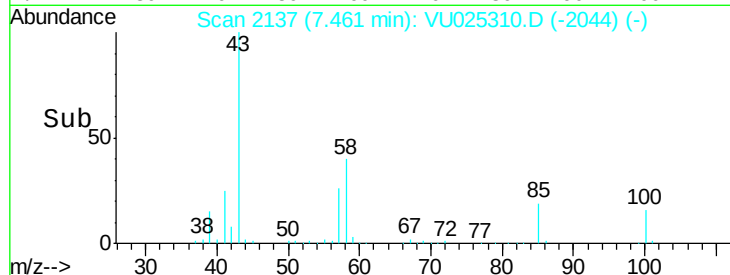
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.66 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025310.D

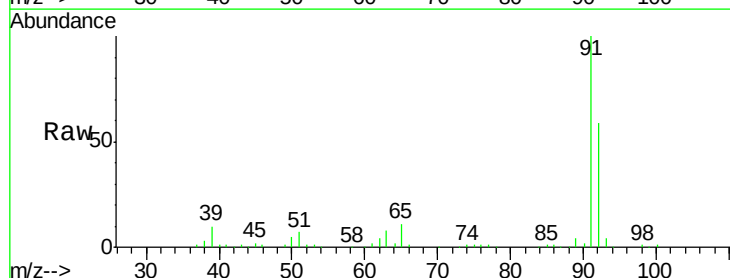
Acq: 11 Jul 2018 13:25

Tgt Ion: 92 Resp: 127985

Ion Ratio Lower Upper

92 100

91 169.8 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

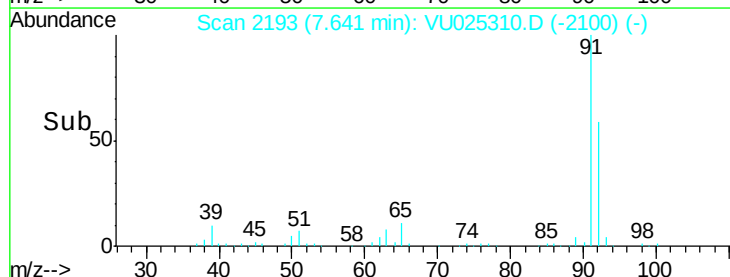
7.64

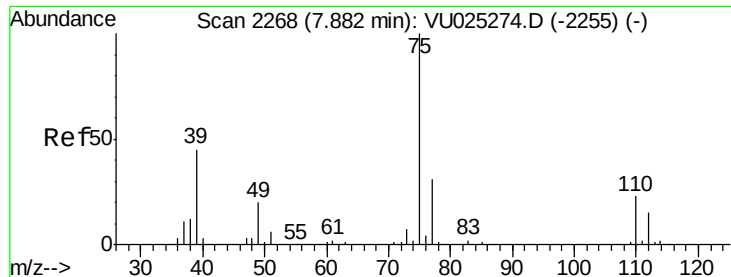
100000

50000

0

Time-->

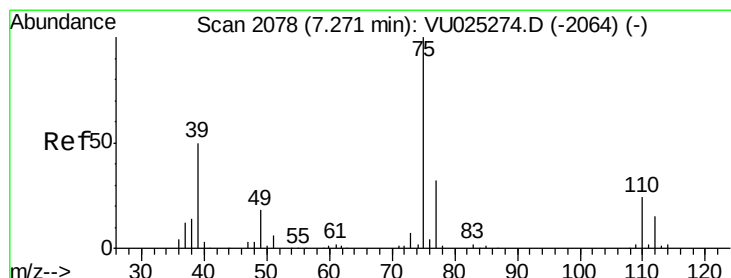
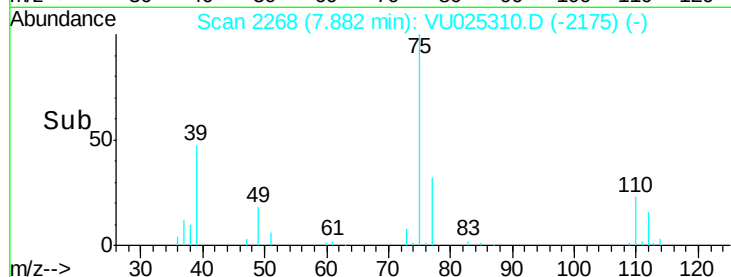
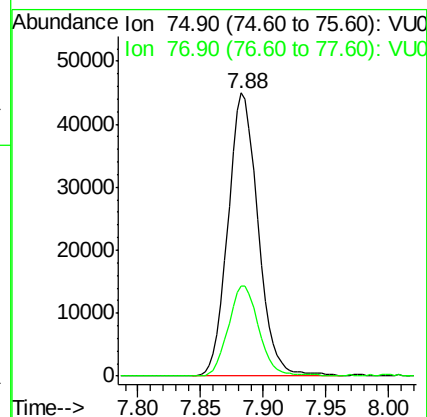
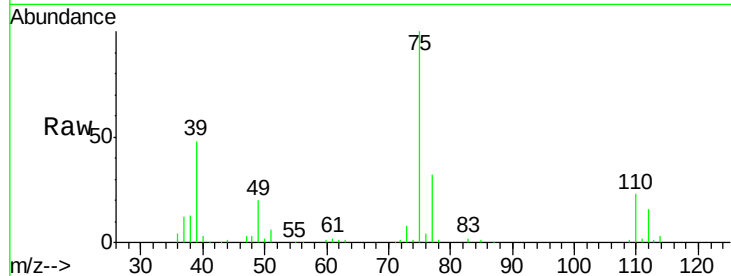




#53
 t-1,3-Dichloropropene
 Concen: 19.78 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

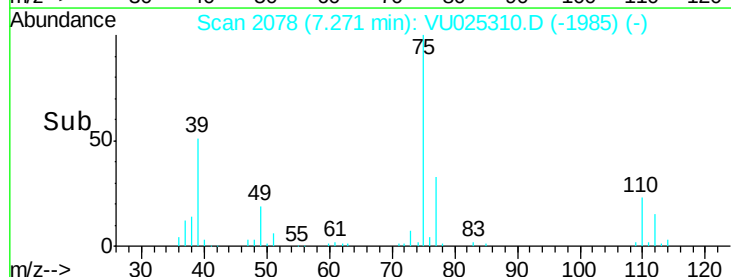
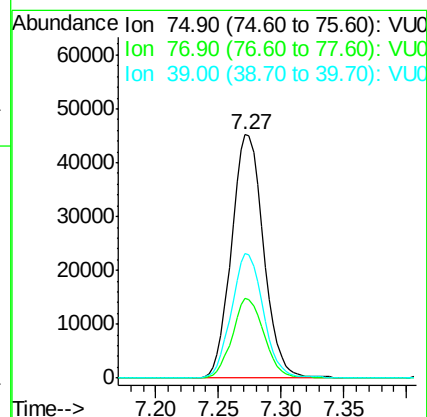
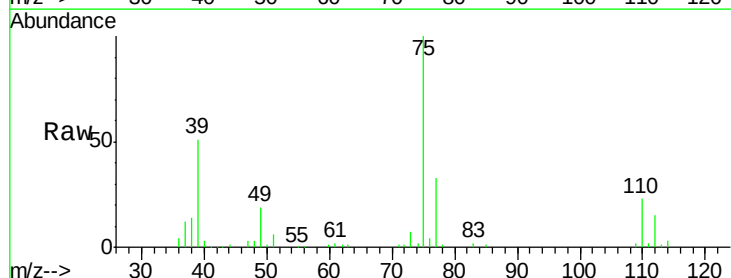
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS02

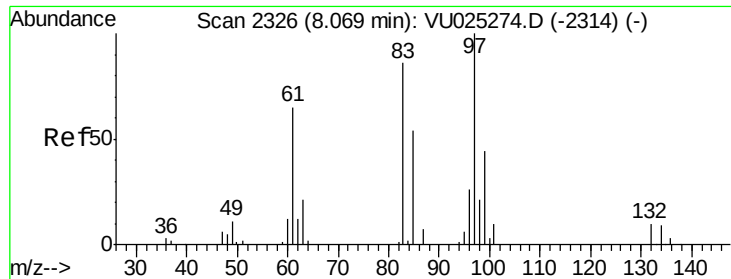
Tot Ion: 75 Resp: 74949
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 19.98 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

Tgt Ion: 75 Resp: 80546
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.6 38.4
 39 51.3 40.0 60.0

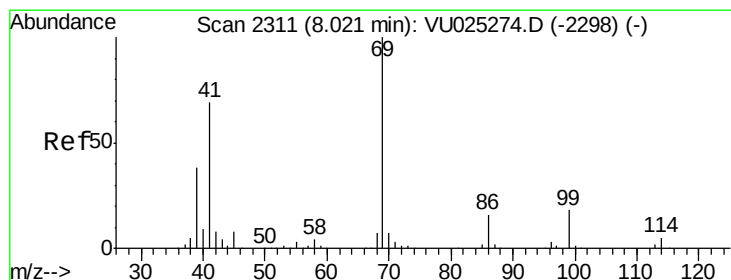
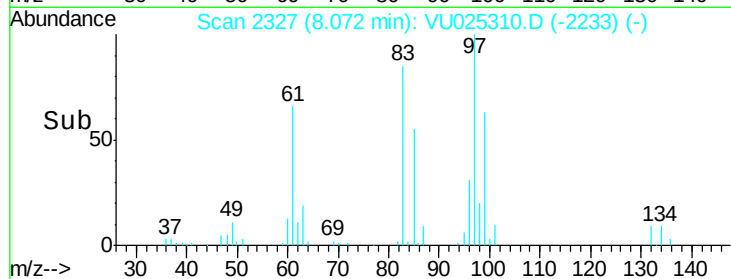
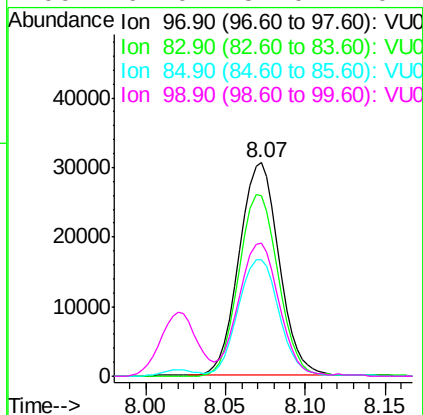
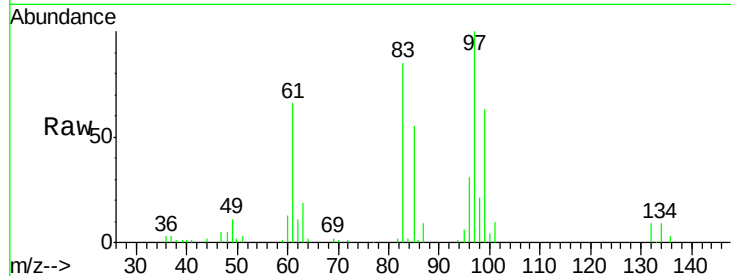




#55
 1,1,2-Trichloroethane
 Concen: 20.07 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

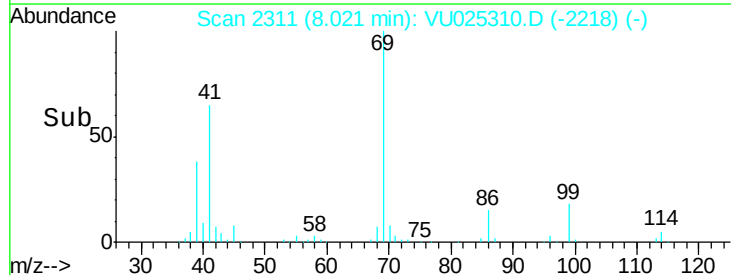
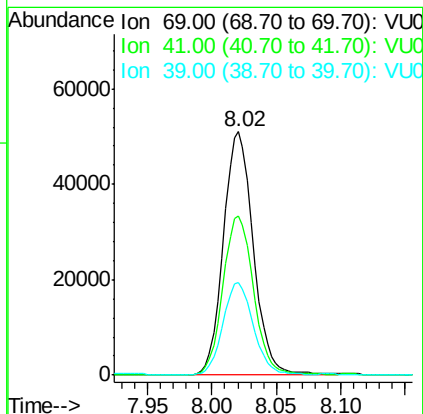
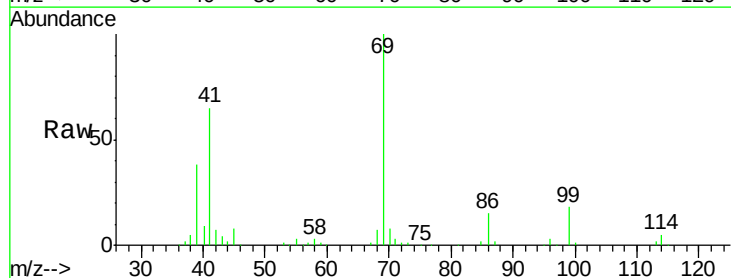
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS02

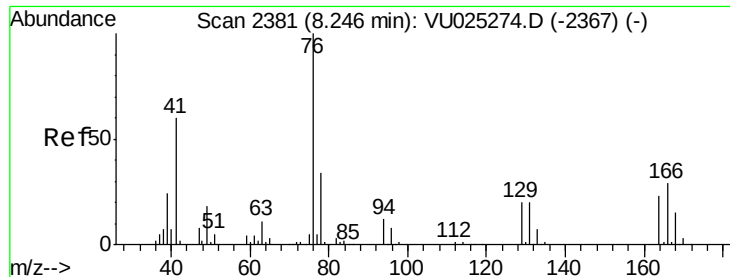
Tot Ion:	97	Resp:	51793
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.9	103.3
85	54.1	44.4	66.6
99	62.0	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 20.48 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

Tgt Ion:	69	Resp:	82526
Ion	Ratio	Lower	Upper
69	100		
41	67.1	54.8	82.2
39	38.8	31.1	46.7

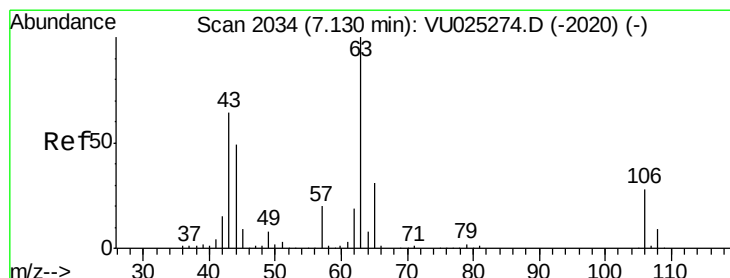
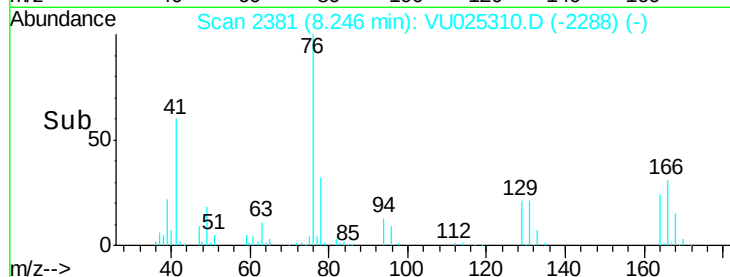
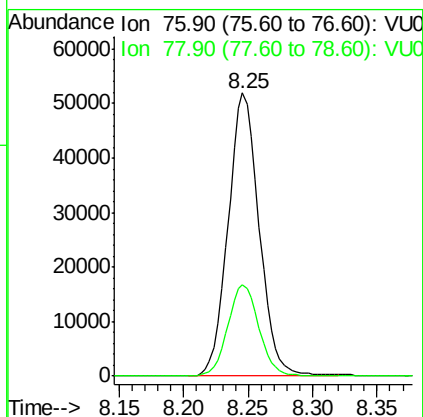
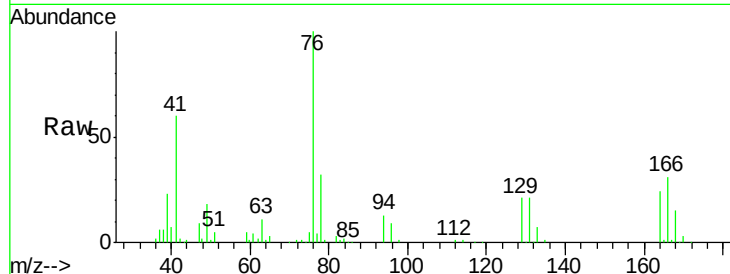




#57
 1,3-Dichloropropane
 Concen: 20.28 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

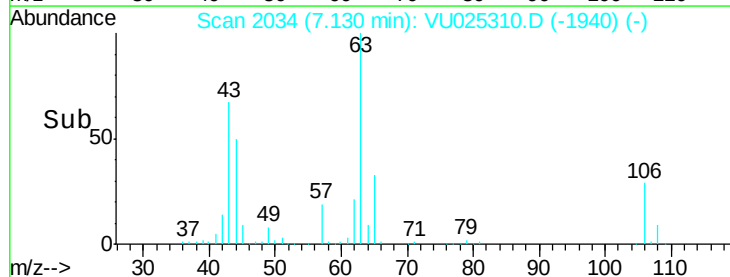
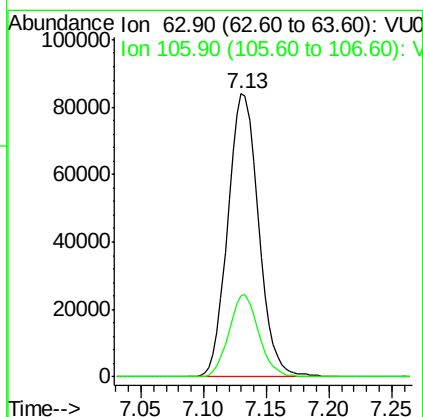
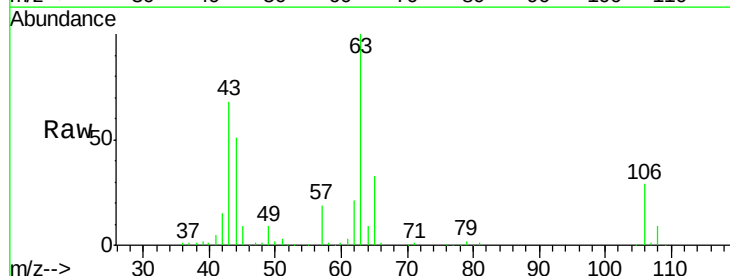
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS02

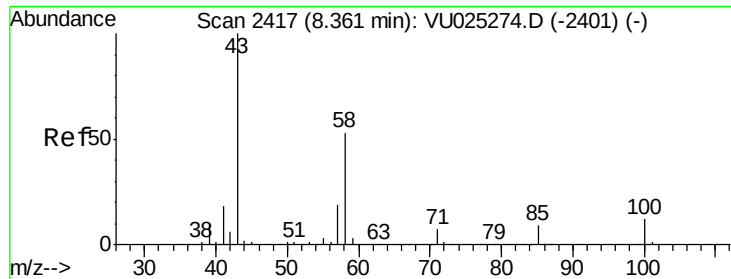
Tot Ion: 76 Resp: 86864
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.11 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

Tgt Ion: 63 Resp: 143318
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.3 33.5

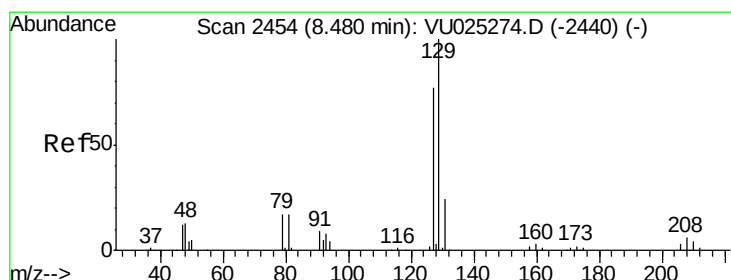
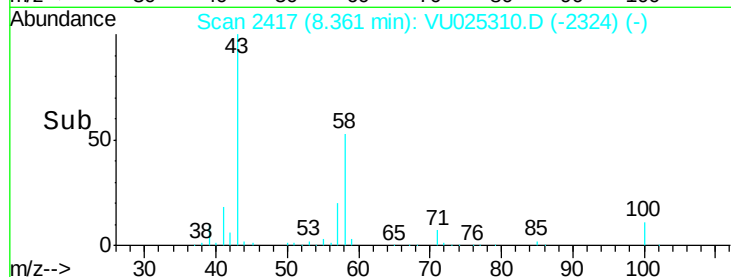
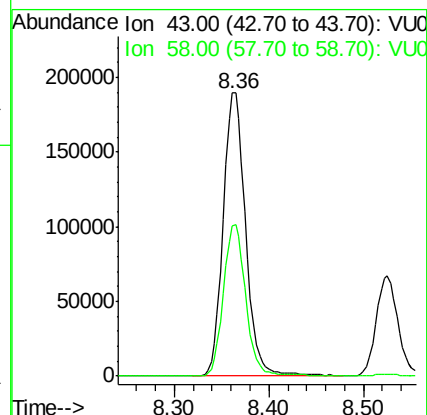
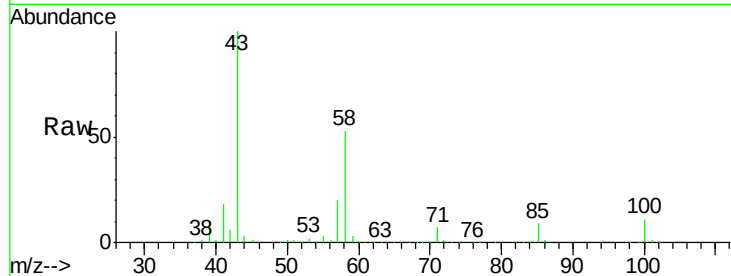




#59
2-Hexanone
Concen: 98.67 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

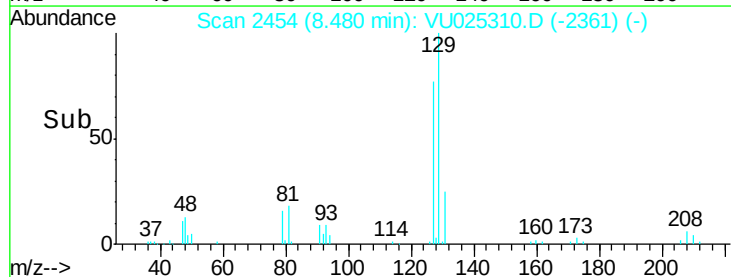
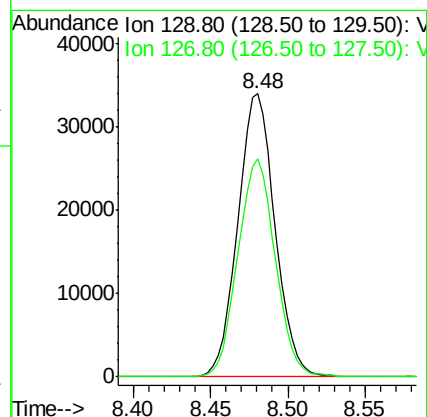
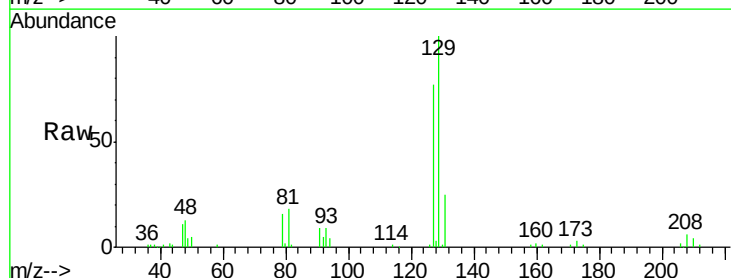
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS02

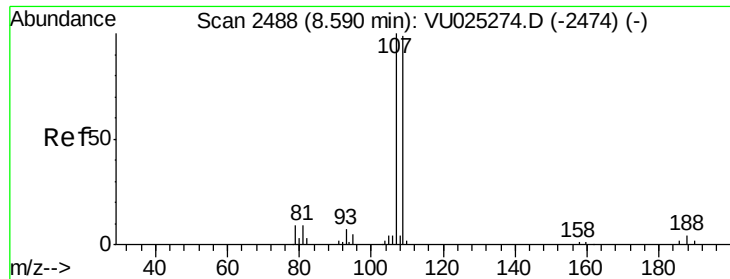
Tot Ion: 43 Resp: 313909
Ion Ratio Lower Upper
43 100
58 53.2 26.2 78.5



#60
Dibromochloromethane
Concen: 20.37 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Tgt Ion: 129 Resp: 56766
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.79 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

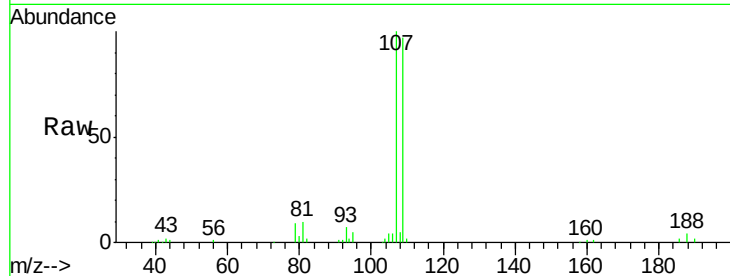
VU0711WBS02

Tot Ion:107 Resp: 57407

Ion Ratio Lower Upper

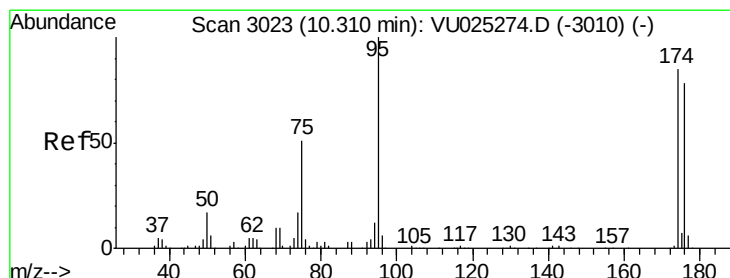
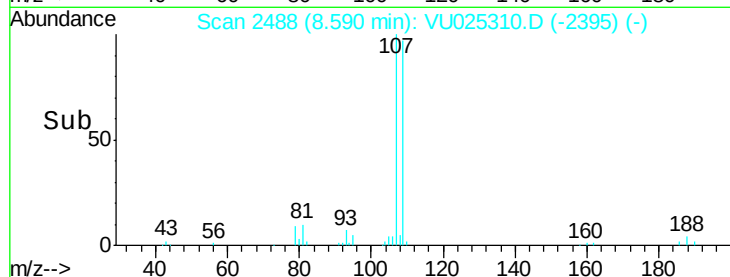
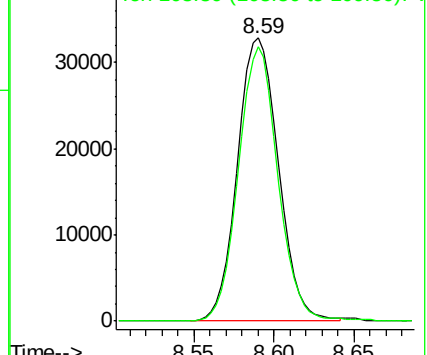
107 100

109 93.1 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.25 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

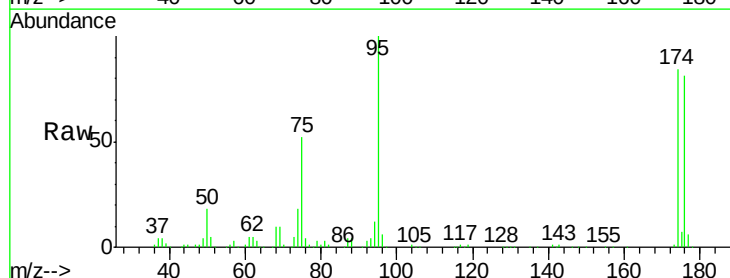
Tgt Ion: 95 Resp: 163497

Ion Ratio Lower Upper

95 100

174 84.6 0.0 172.2

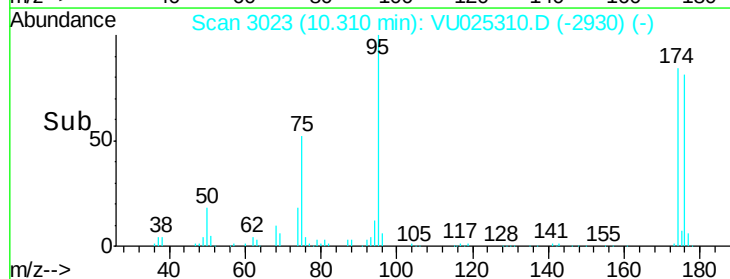
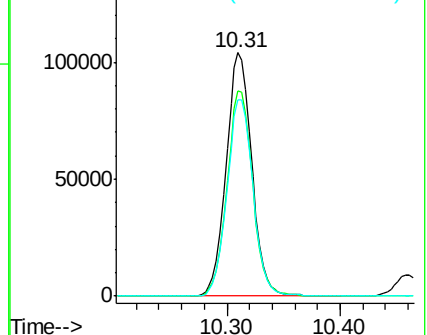
176 82.1 0.0 162.6

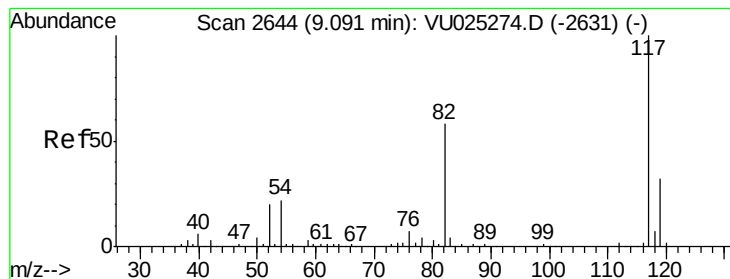


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS02

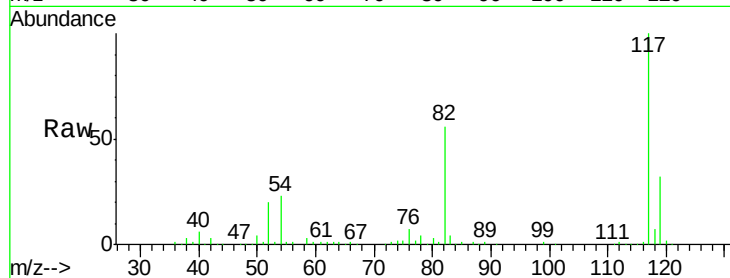
Tot Ion:117 Resp: 284947

Ion Ratio Lower Upper

117 100

82 56.2 46.0 69.0

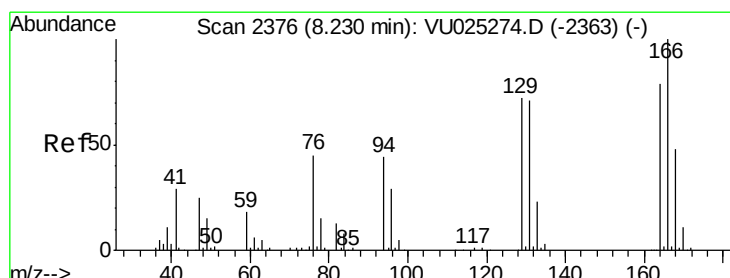
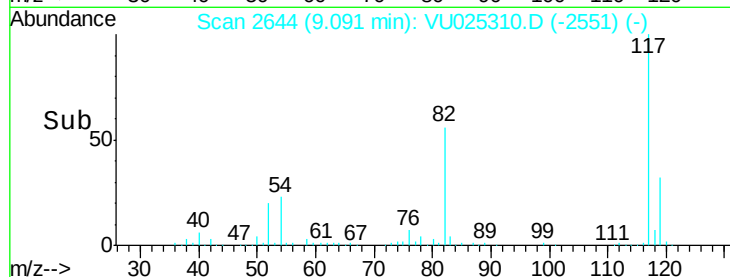
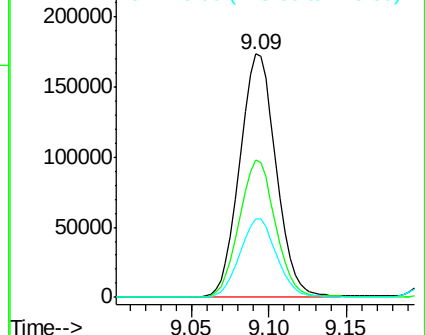
119 32.1 26.0 39.0



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: 19.38 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Tgt Ion:164 Resp: 50337

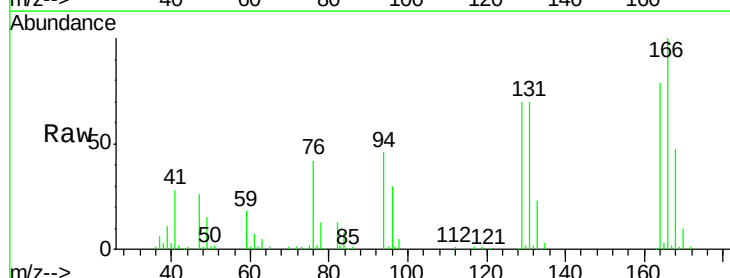
Ion Ratio Lower Upper

164 100

166 127.3 101.1 151.7

129 89.3 73.0 109.6

131 89.6 72.1 108.1

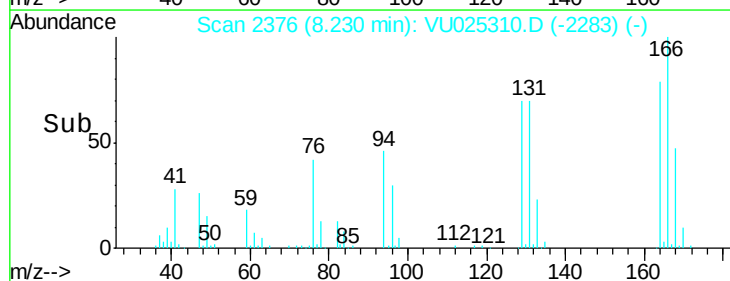
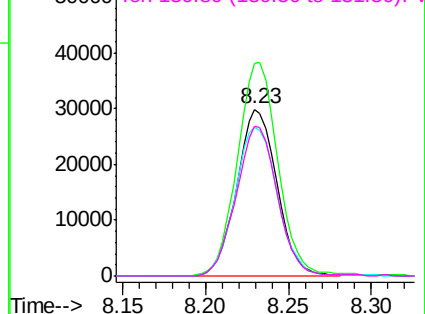


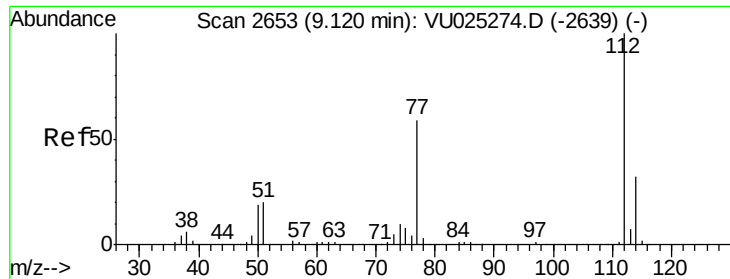
Abundance Ion 163.80 (163.50 to 164.50): V

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

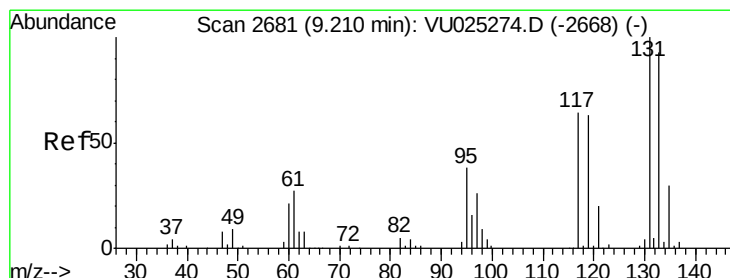
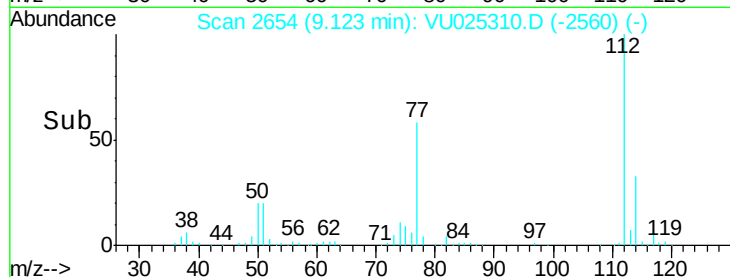
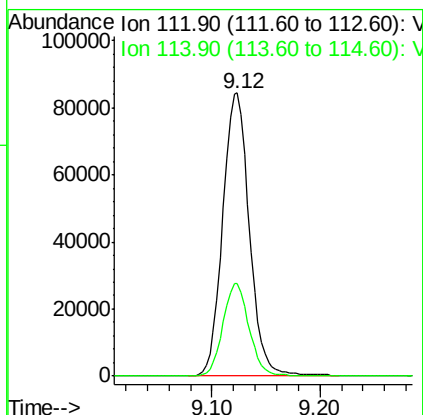
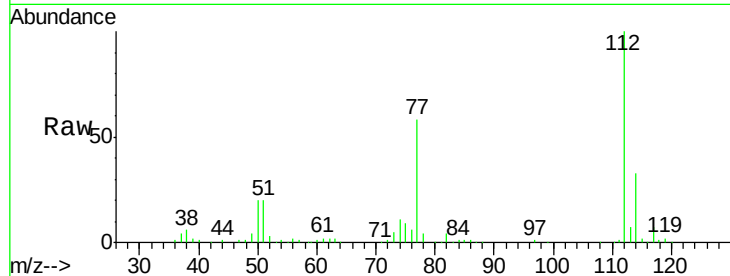




#65
Chlorobenzene
Concen: 20.45 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

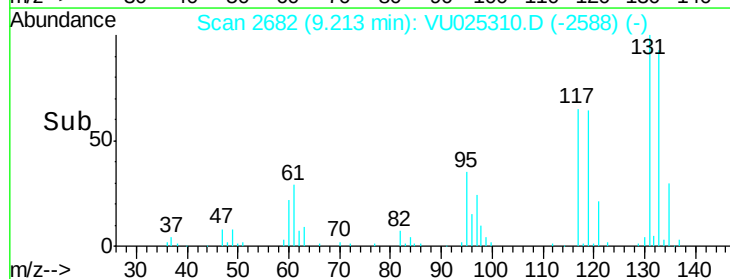
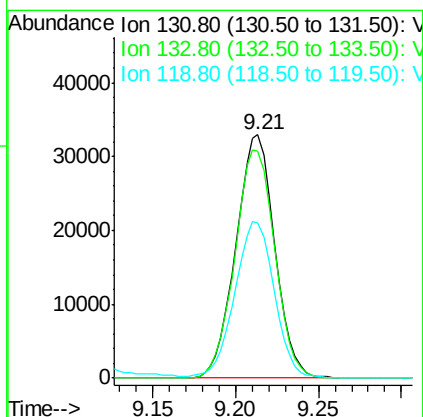
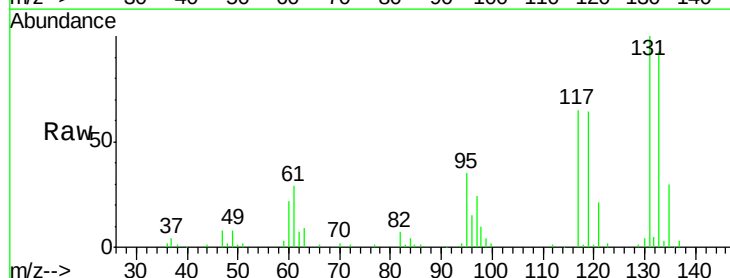
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS02

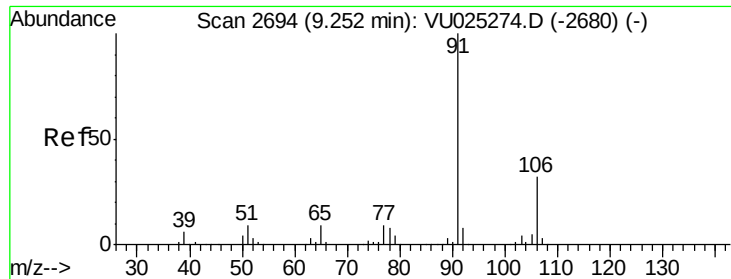
Tot Ion:112 Resp: 145576
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.09 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Tgt Ion:131 Resp: 53713
Ion Ratio Lower Upper
131 100
133 96.6 47.8 143.3
119 65.6 31.6 95.0

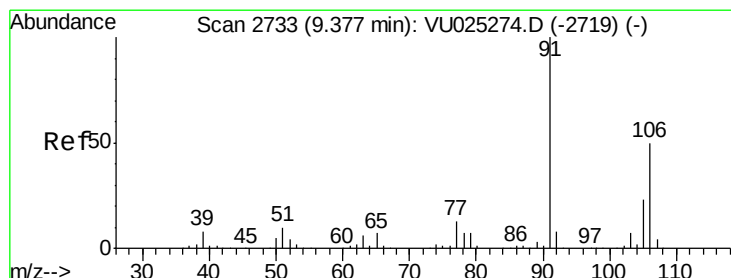
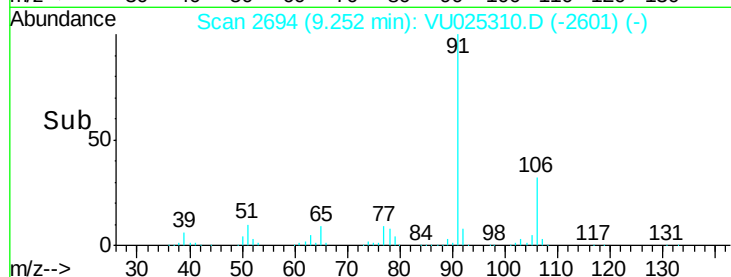
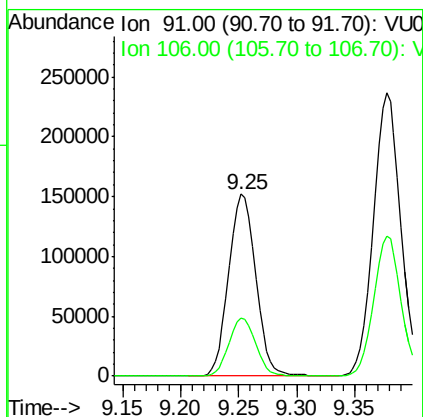
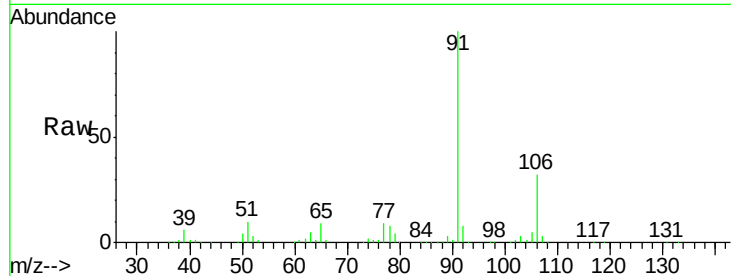




#67
Ethyl Benzene
Concen: 20.30 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

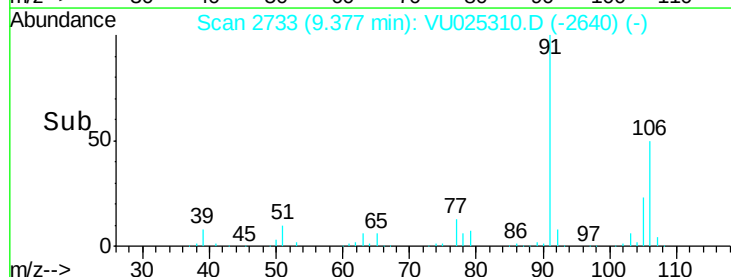
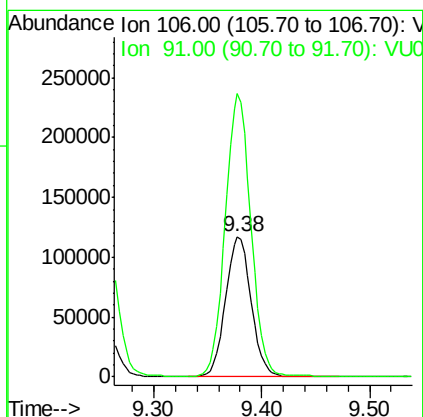
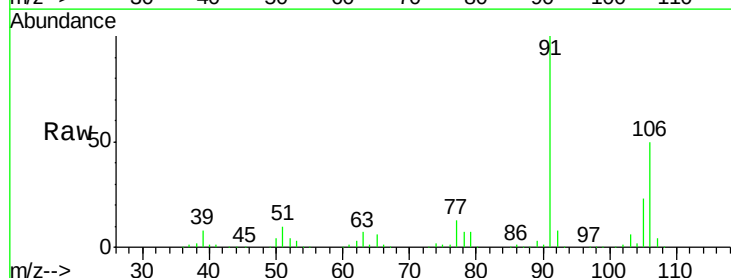
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS02

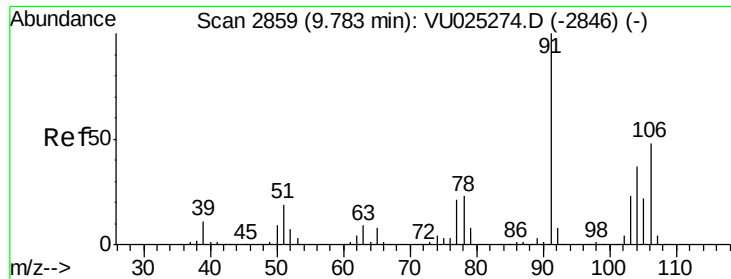
Tot Ion: 91 Resp: 246296
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9



#68
m/p-Xylenes
Concen: 41.13 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Tgt Ion: 106 Resp: 192953
Ion Ratio Lower Upper
106 100
91 202.8 162.3 243.5

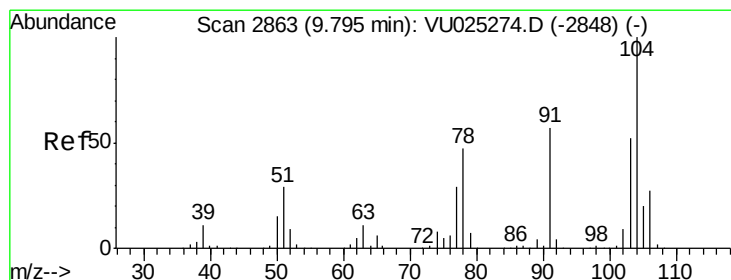
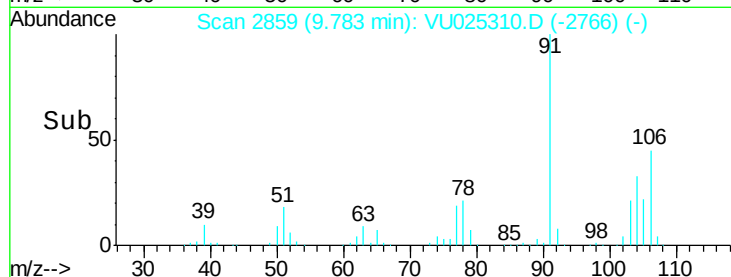
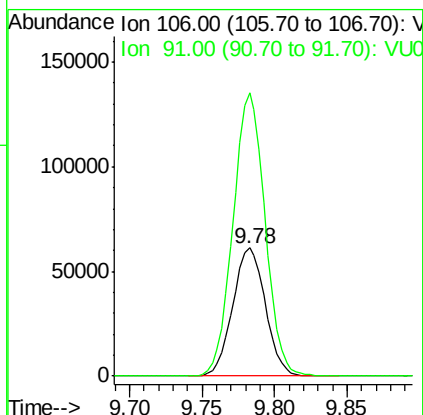
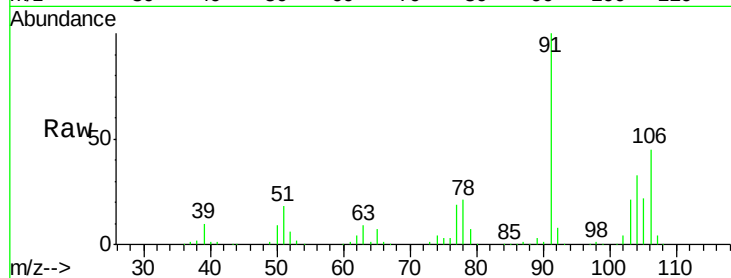




#69
o-Xylene
Concen: 20.47 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

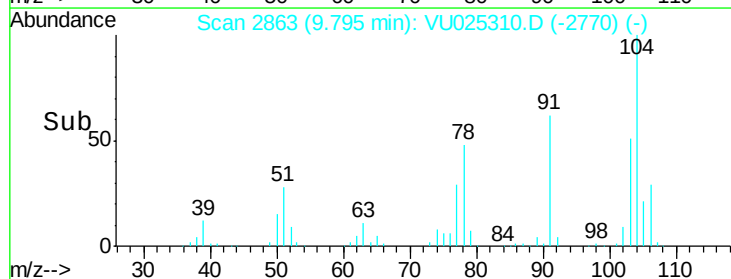
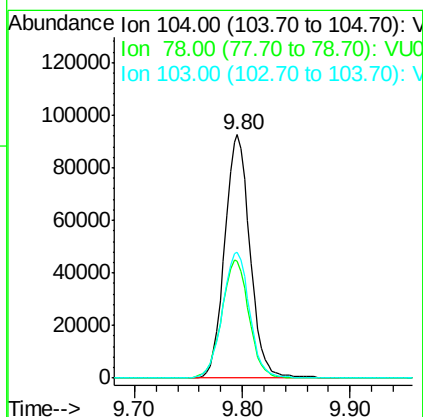
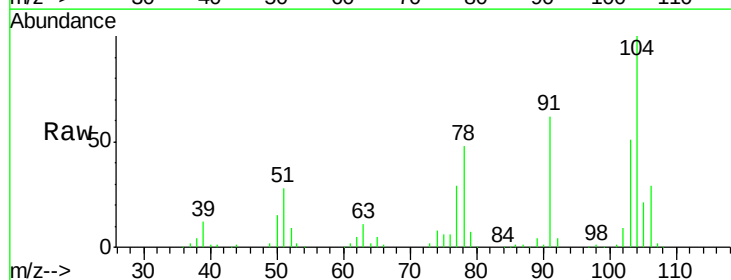
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS02

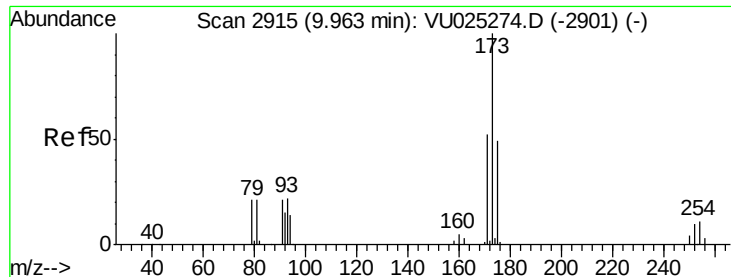
Tot Ion:106 Resp: 96167
Ion Ratio Lower Upper
106 100
91 215.4 105.3 315.8



#70
Styrene
Concen: 20.26 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Tgt Ion:104 Resp: 151149
Ion Ratio Lower Upper
104 100
78 51.9 41.6 62.4
103 55.3 44.6 66.8





#71

Bromoform

Concen: 21.17 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS02

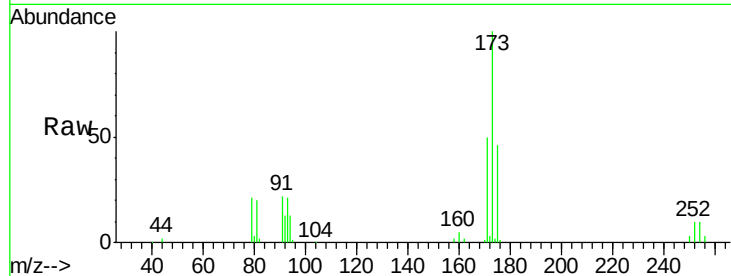
Tot Ion:173 Resp: 44939

Ion Ratio Lower Upper

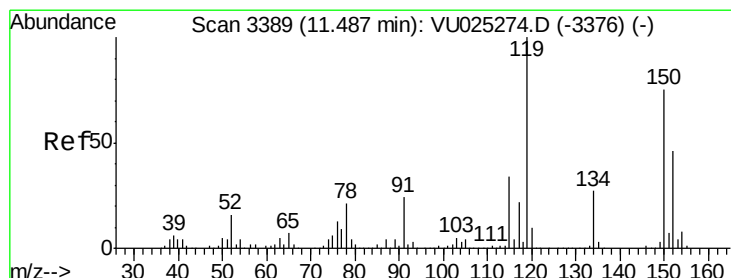
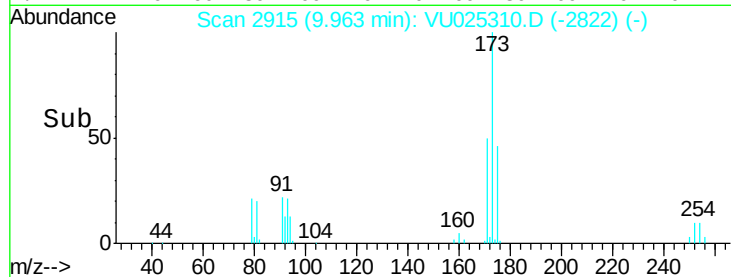
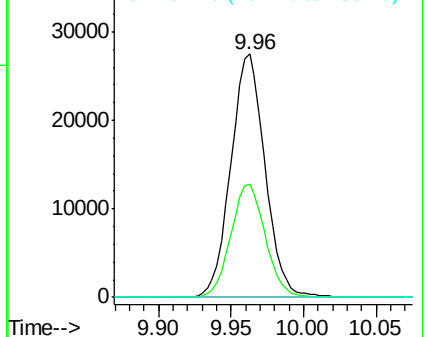
173 100

175 46.7 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: VU025310.D

Acq: 11 Jul 2018 13:25

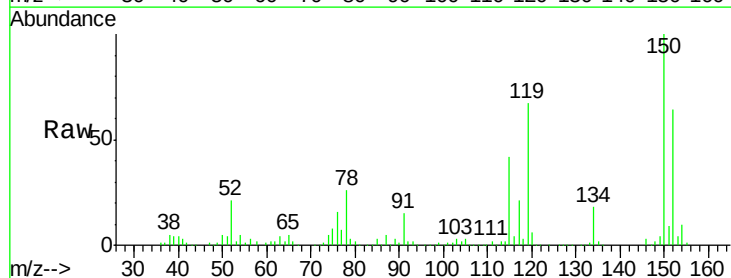
Tgt Ion:152 Resp: 167328

Ion Ratio Lower Upper

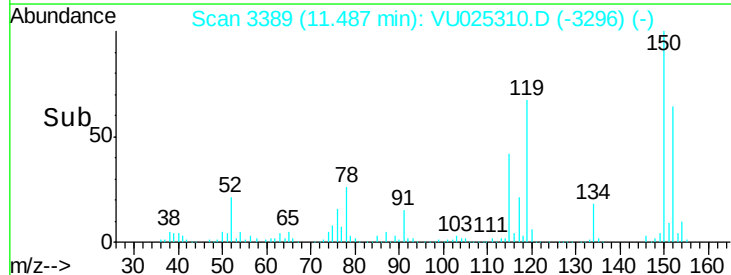
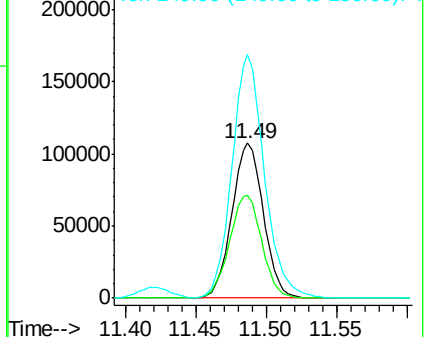
152 100

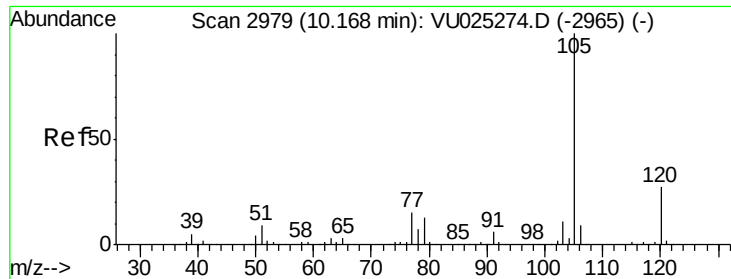
115 68.3 40.1 120.3

150 163.0 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: 20.34 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

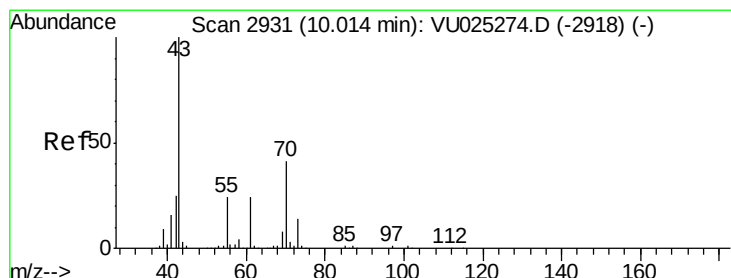
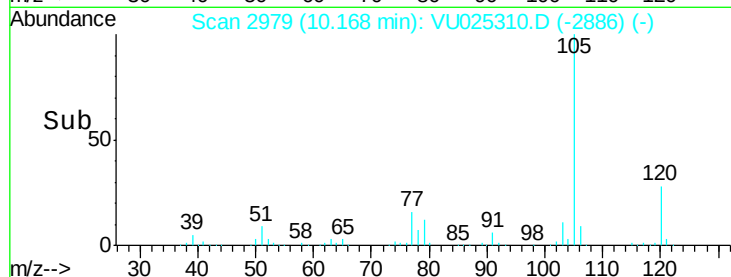
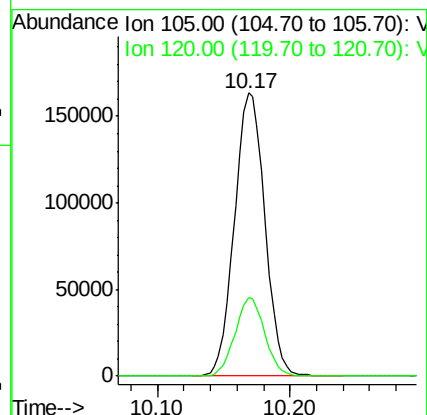
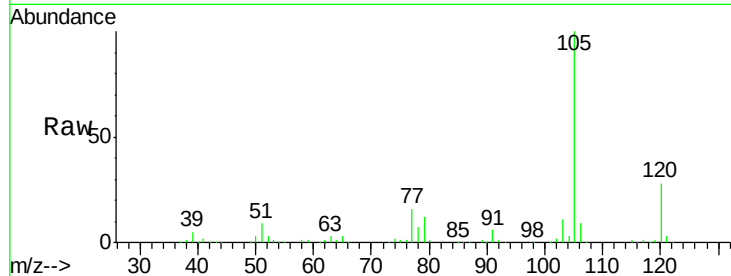
VU0711WBS02

Tot Ion:105 Resp: 260070

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



#74

N-ethyl acetate

Concen: 20.90 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Tgt Ion: 43 Resp: 105421

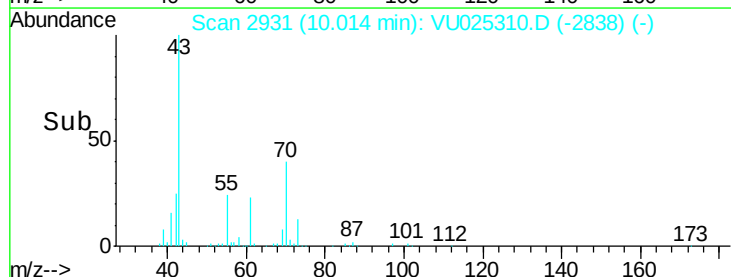
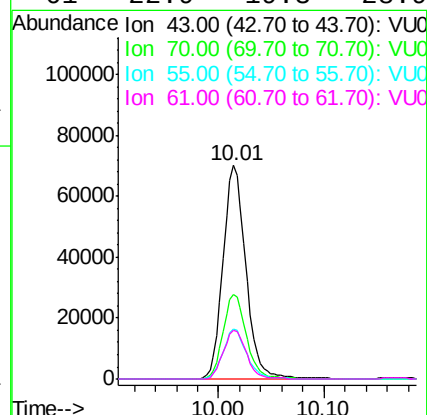
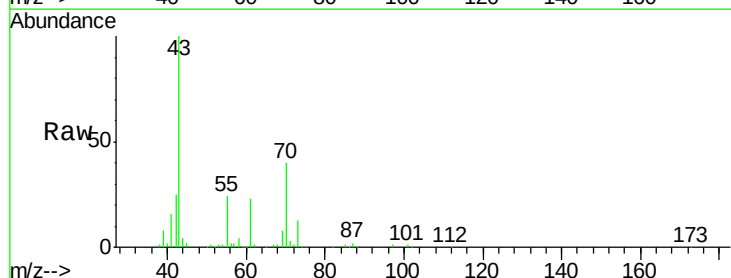
Ion Ratio Lower Upper

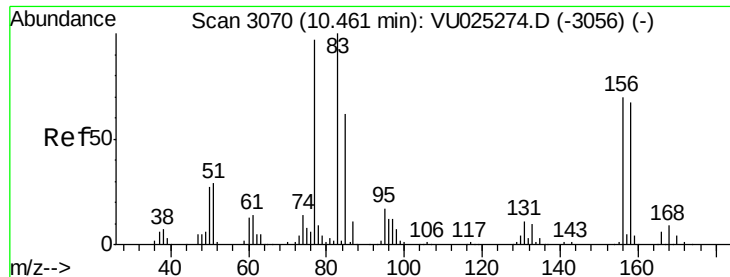
43 100

70 40.4 33.4 50.2

55 24.2 19.0 28.6

61 22.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.26 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS02

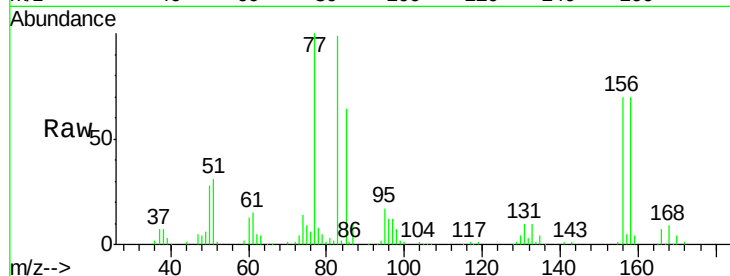
Tot Ion: 83 Resp: 84759

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

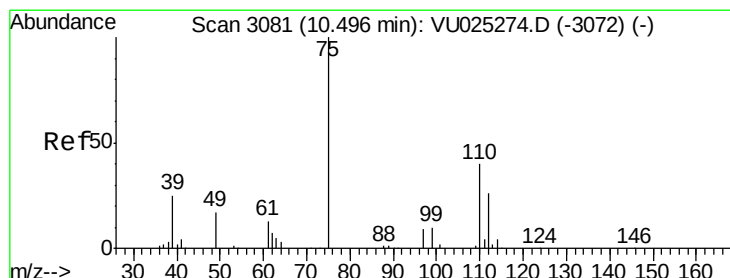
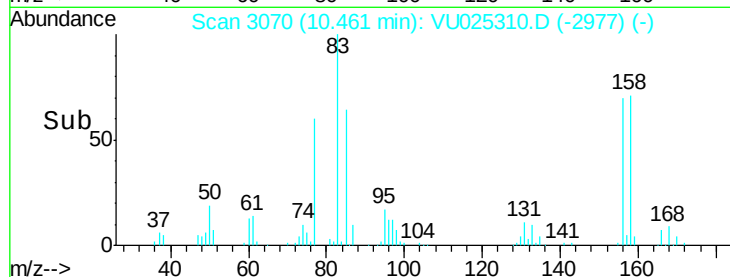
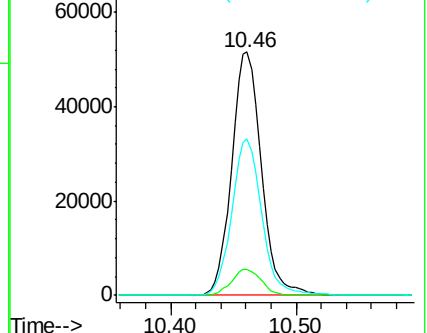
85 64.5 31.6 94.8



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: 28.46 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025310.D

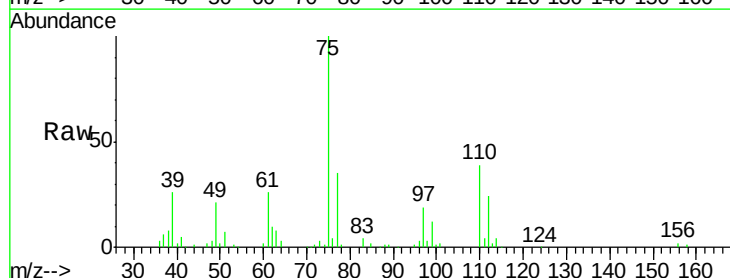
Acq: 11 Jul 2018 13:25

Tgt Ion: 75 Resp: 96957

Ion Ratio Lower Upper

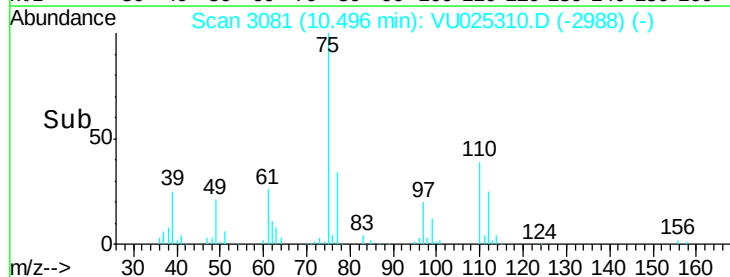
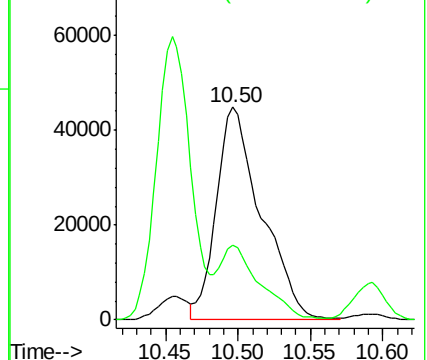
75 100

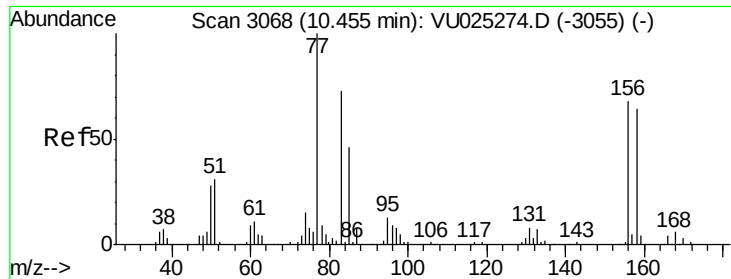
77 30.9 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.47 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS02

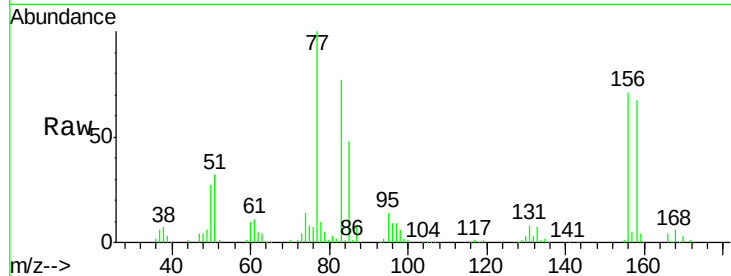
Tot Ion:156 Resp: 66964

Ion Ratio Lower Upper

156 100

77 146.3 73.8 221.4

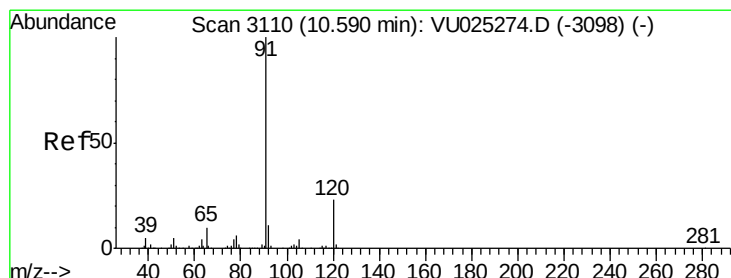
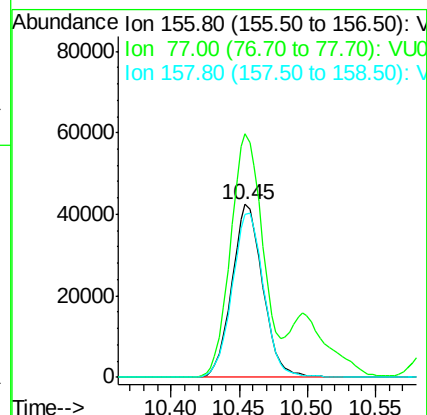
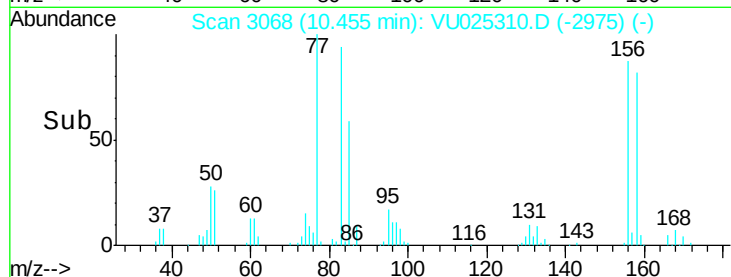
158 96.9 48.0 144.0



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: 20.18 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025310.D

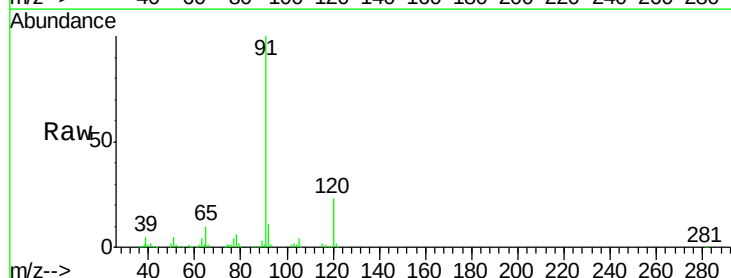
Acq: 11 Jul 2018 13:25

Tgt Ion: 91 Resp: 286219

Ion Ratio Lower Upper

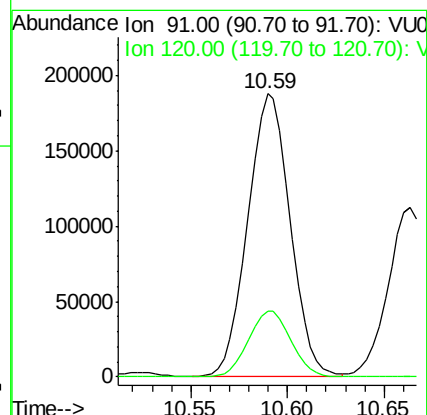
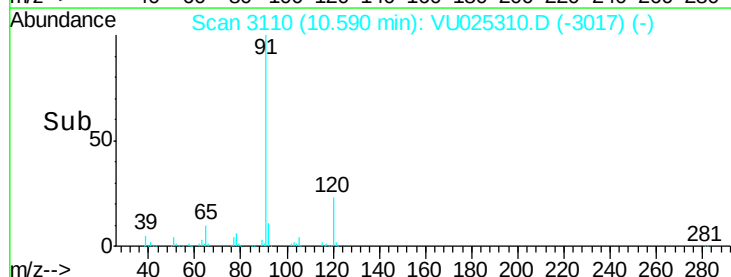
91 100

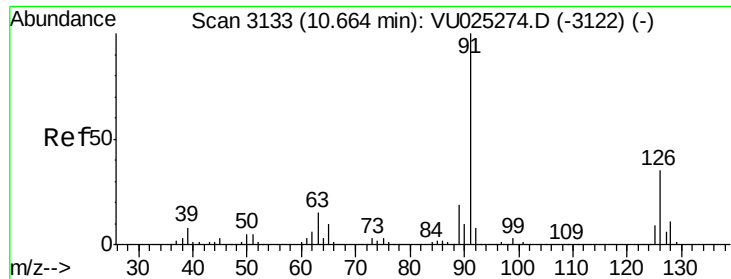
120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.67 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

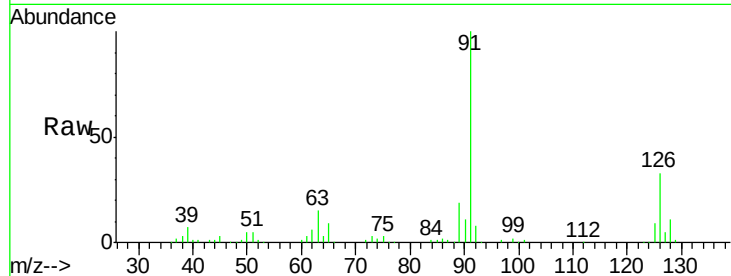
VU0711WBS02

Tot Ion: 91 Resp: 175838

Ion Ratio Lower Upper

91 100

126 34.7 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025274.D (-3122) (-)

200000

150000

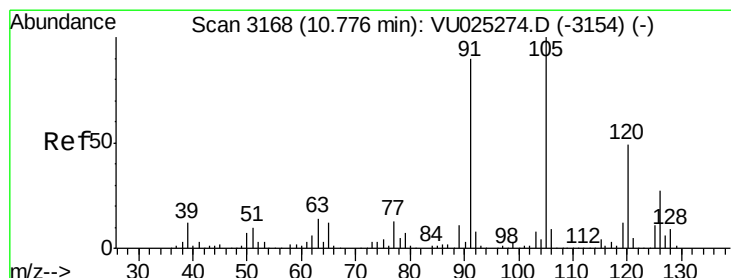
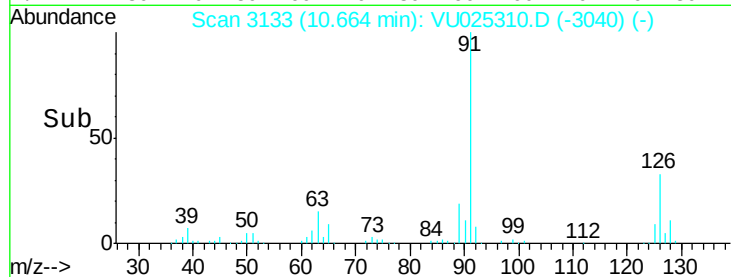
100000

50000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.59 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025310.D

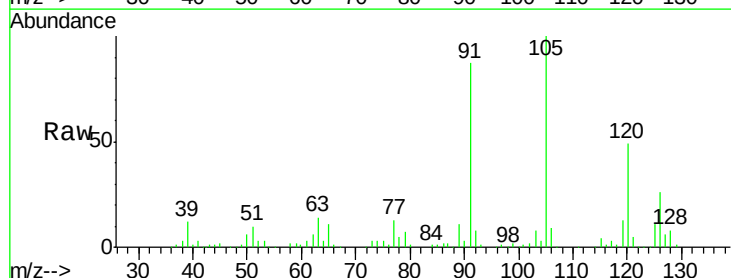
Acq: 11 Jul 2018 13:25

Tgt Ion: 105 Resp: 221485

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025274.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025274.D (-3154) (-)

150000

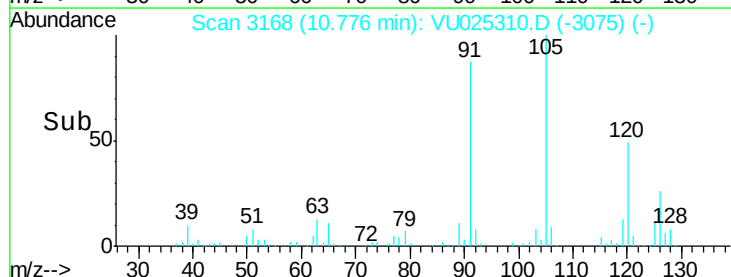
100000

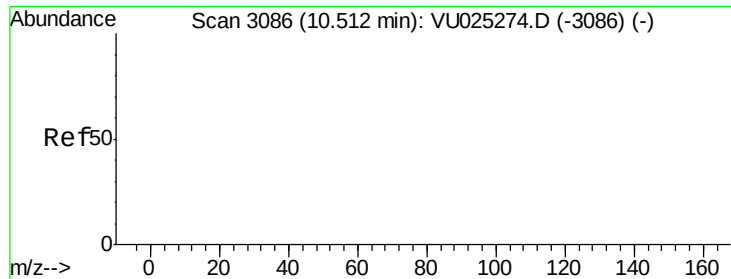
50000

0

10.70 10.75 10.80 10.85

Time-->

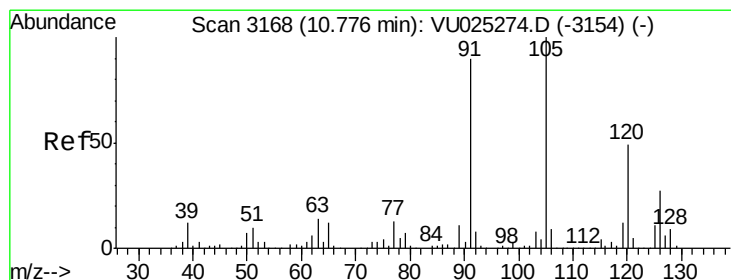
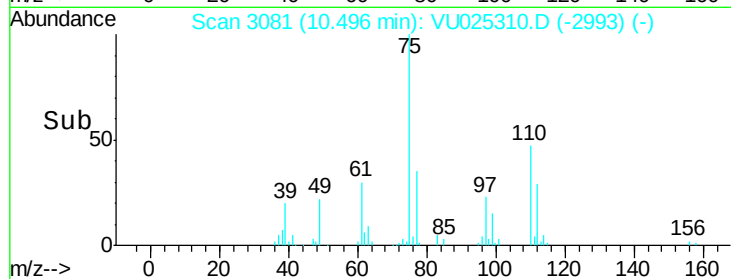
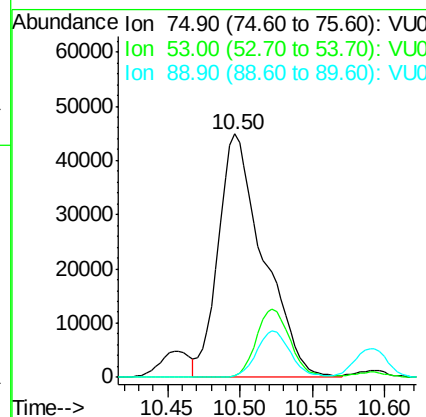
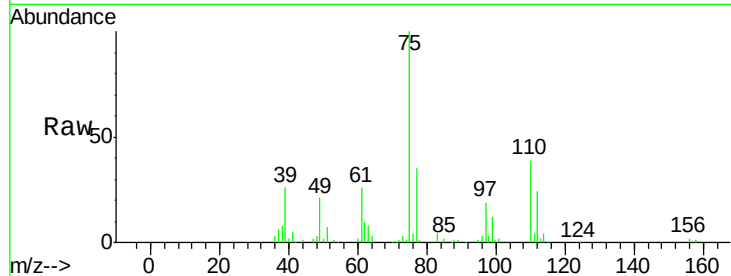




#81
trans-1,4-Dichloro-2-butene
Concen: 72.73 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

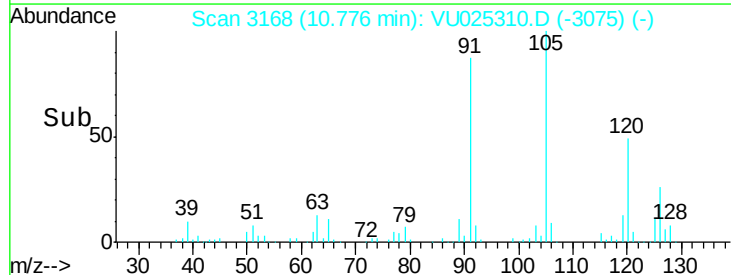
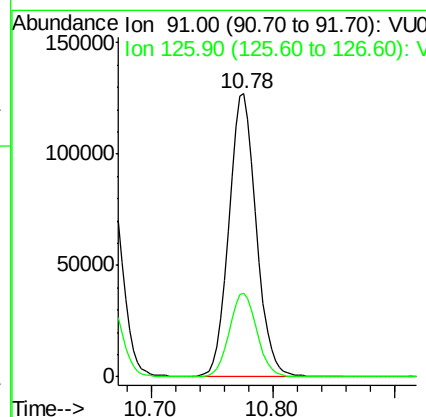
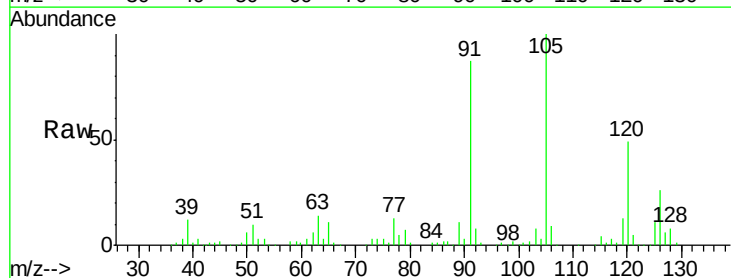
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS02

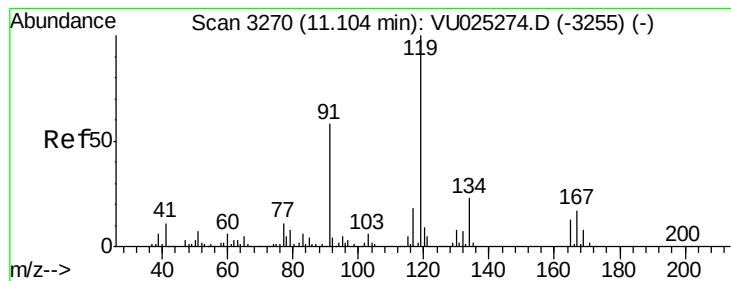
Tot Ion: 75 Resp: 96957
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.89 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025310.D
Acq: 11 Jul 2018 13:25

Tgt Ion: 91 Resp: 199769
Ion Ratio Lower Upper
91 100
126 29.9 15.3 45.9





#83

tert-Butylbenzene

Concen: 20.55 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS02

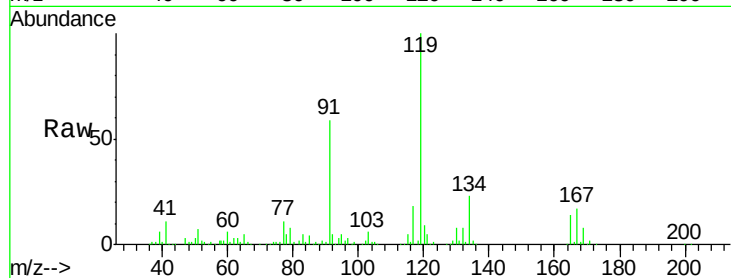
Tot Ion:119 Resp: 223385

Ion Ratio Lower Upper

119 100

91 59.5 29.7 89.1

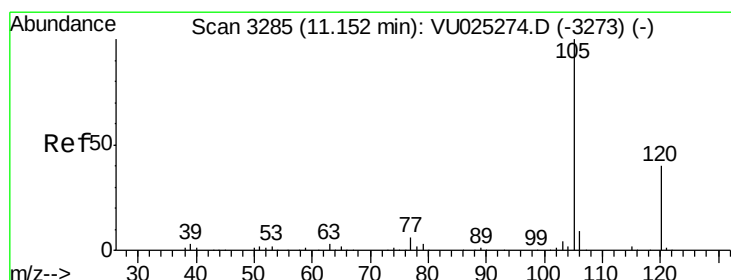
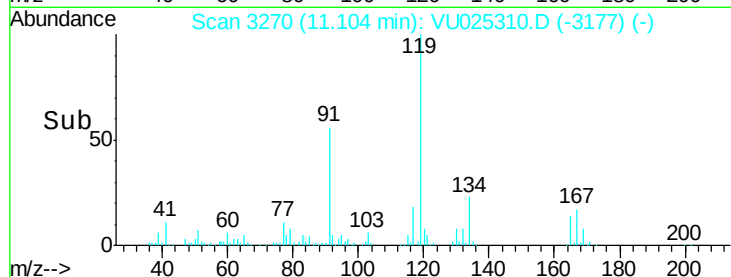
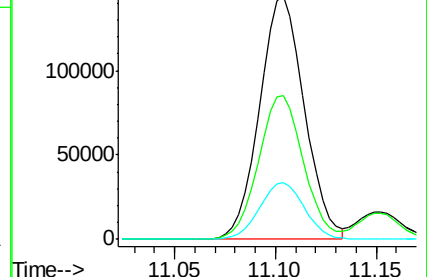
134 23.1 11.5 34.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.08 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. -0.00 min

Lab File: VU025310.D

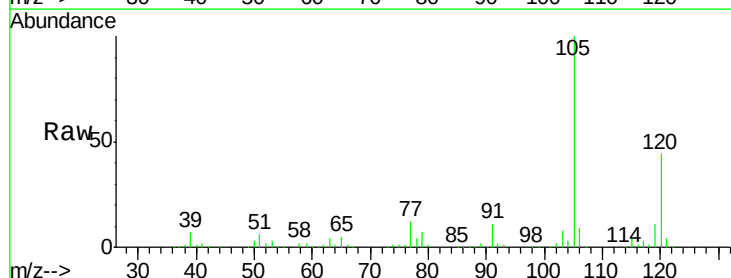
Acq: 11 Jul 2018 13:25

Tgt Ion:105 Resp: 221413

Ion Ratio Lower Upper

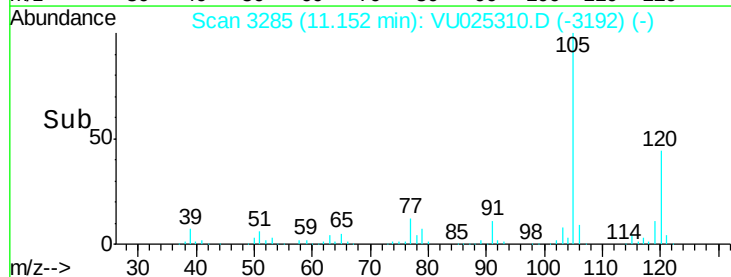
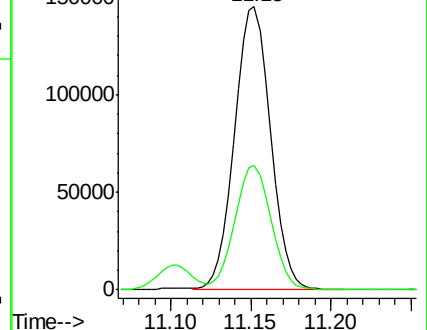
105 100

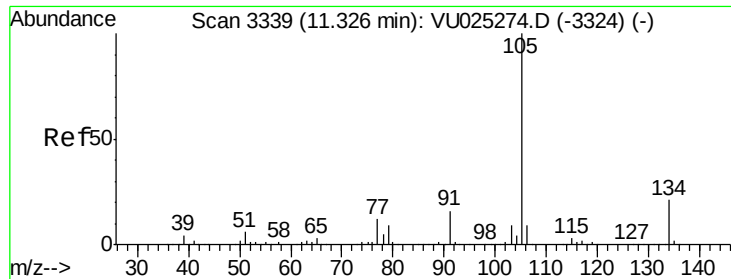
120 44.6 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.54 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

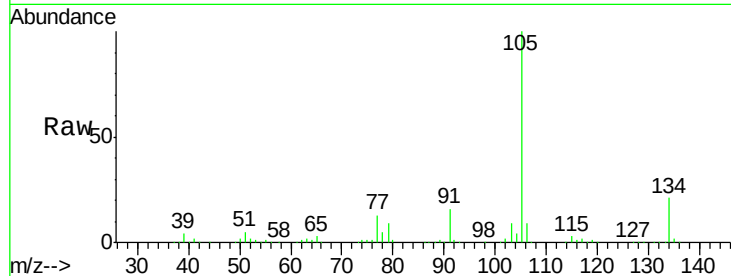
VU0711WBS02

Tot Ion:105 Resp: 262936

Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

100000

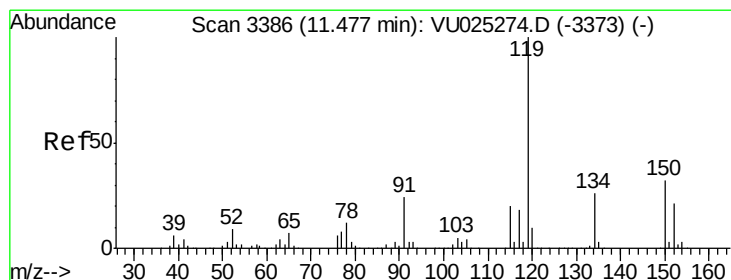
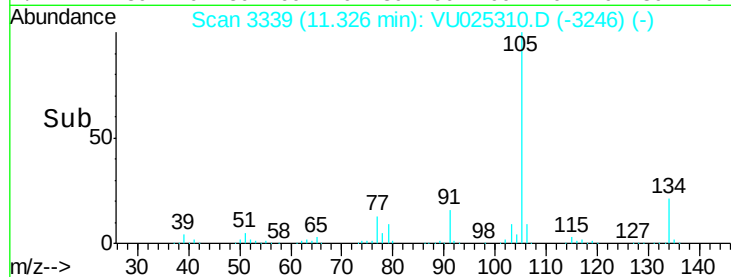
50000

0

11.33

11.40

Time-->



#86

p-Isopropyltoluene

Concen: 20.48 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

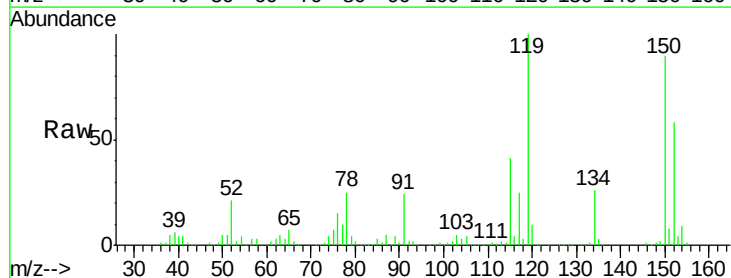
Tgt Ion:119 Resp: 232107

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 24.0 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

200000

150000

100000

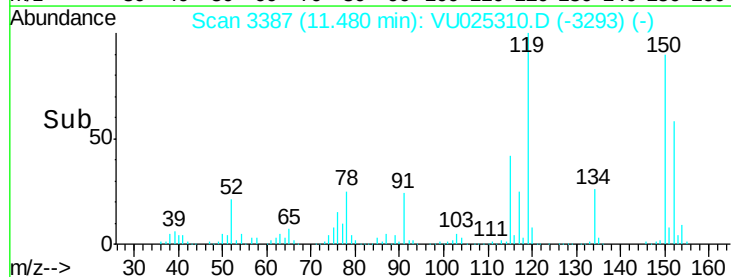
50000

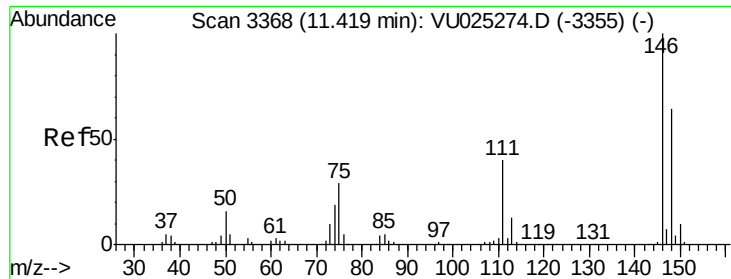
0

11.48

11.50

Time-->

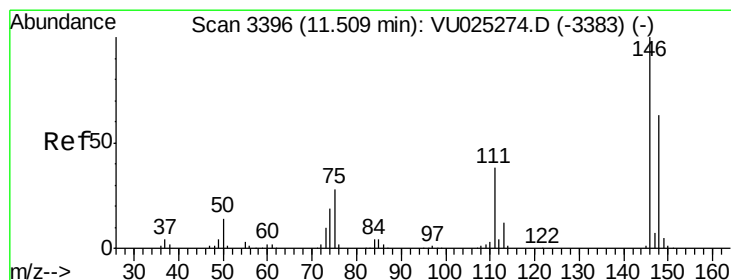
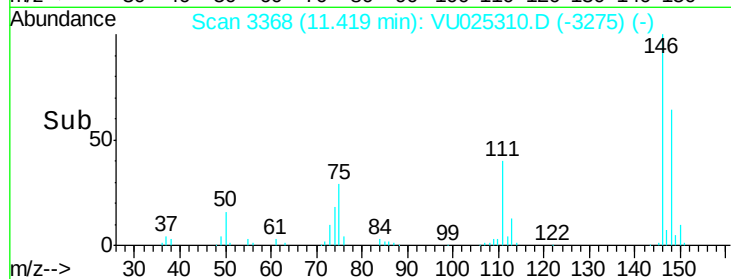
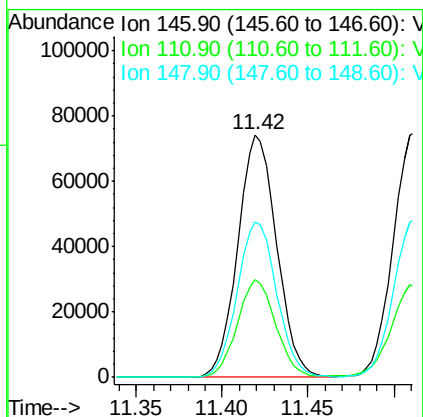
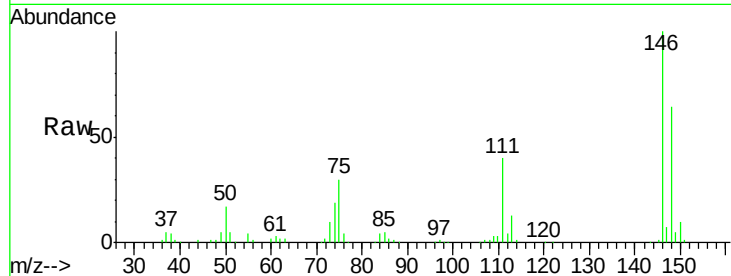




#87
 1,3-Dichlorobenzene
 Concen: 19.47 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

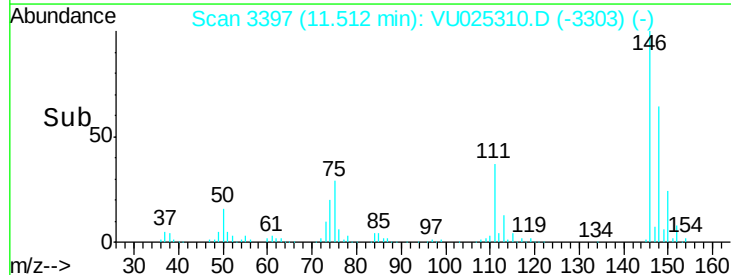
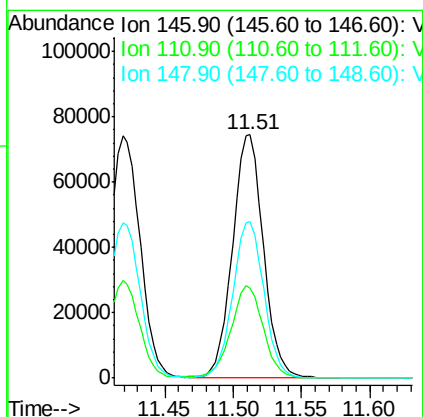
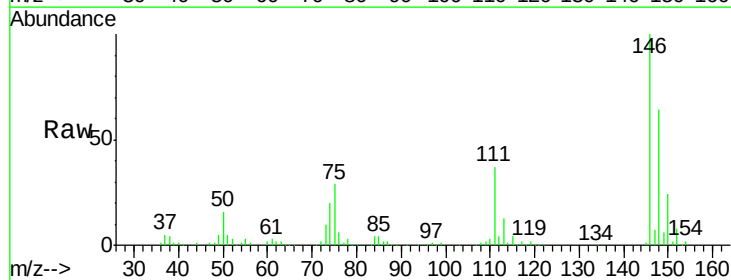
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS02

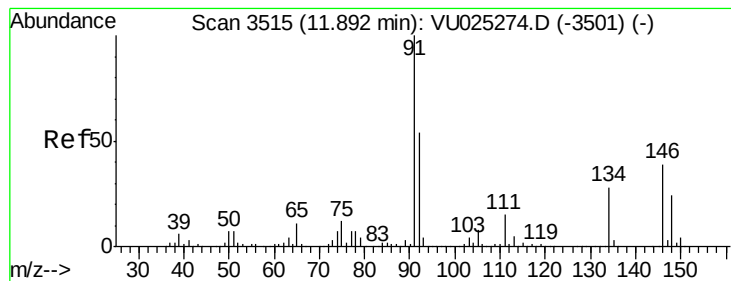
Tot Ion:146 Resp: 116404
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.7 59.1
 148 65.3 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 21.01 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

Tgt Ion:146 Resp: 117489
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.4 58.1
 148 65.1 31.7 95.1





#89

n-Butylbenzene

Concen: 19.33 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS02

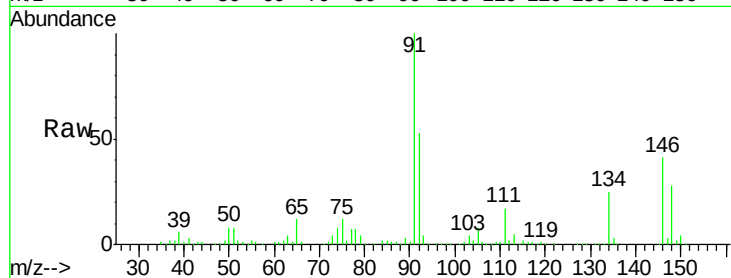
Tot Ion: 91 Resp: 180093

Ion Ratio Lower Upper

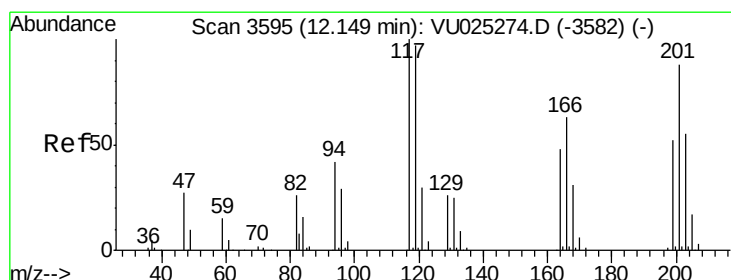
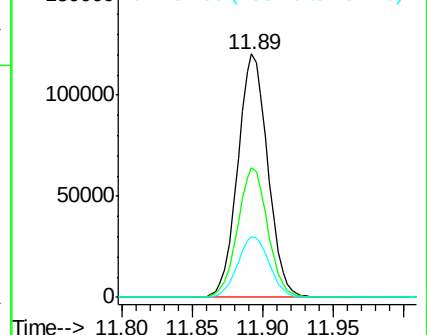
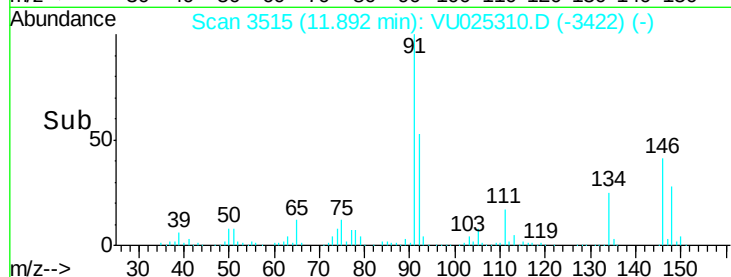
91 100

92 53.2 26.5 79.5

134 26.2 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VU025310.D (-3422) (-)



#90

Hexachloroethane

Concen: 19.46 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU025310.D

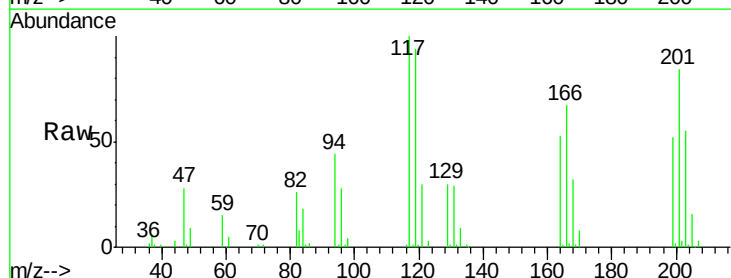
Acq: 11 Jul 2018 13:25

Tgt Ion: 117 Resp: 37338

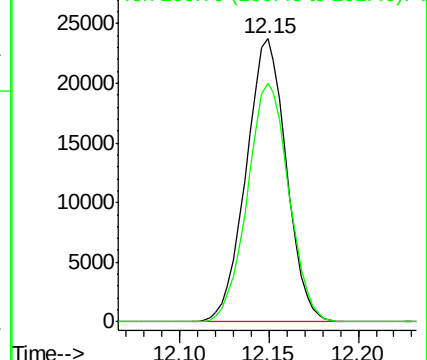
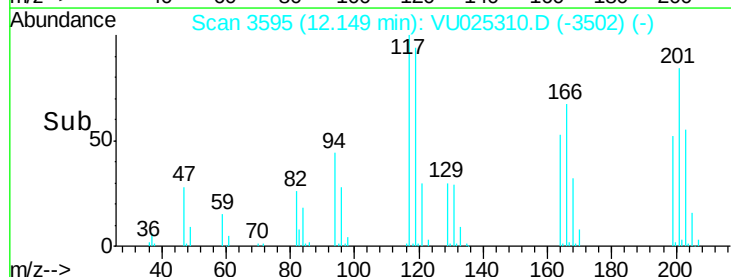
Ion Ratio Lower Upper

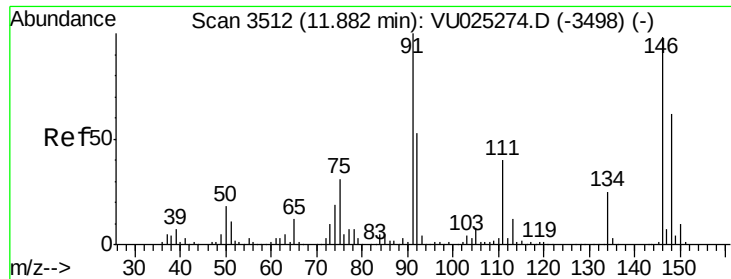
117 100

201 86.5 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): VU025310.D (-3502) (-)





#91

1,2-Dichlorobenzene

Concen: 20.09 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS02

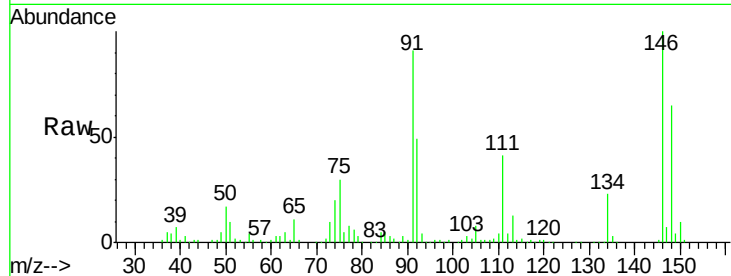
Tot Ion:146 Resp: 121261

Ion Ratio Lower Upper

146 100

111 41.6 20.6 61.8

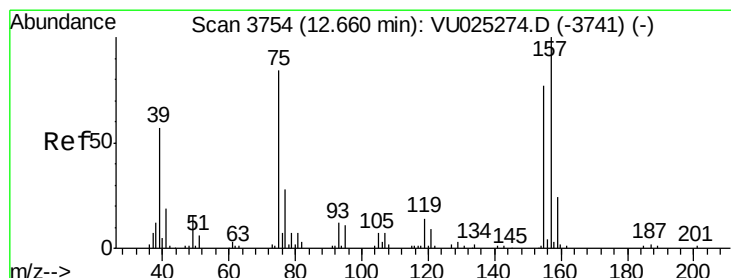
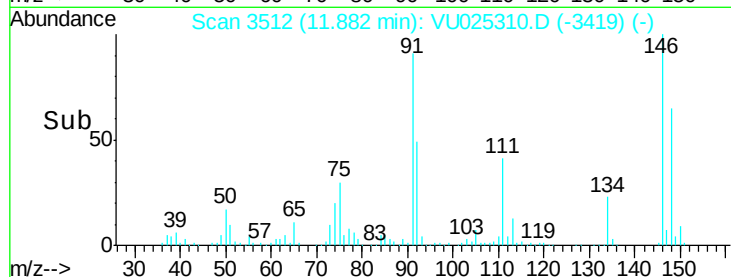
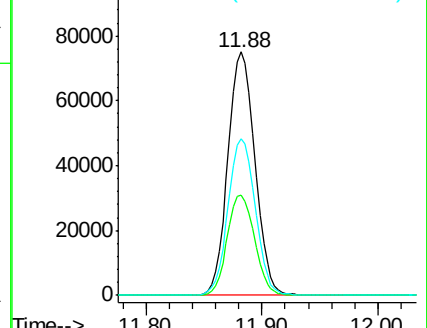
148 64.8 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.91 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. -0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

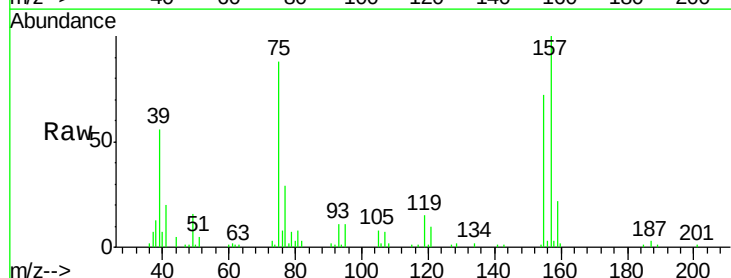
Tgt Ion: 75 Resp: 20194

Ion Ratio Lower Upper

75 100

155 83.7 44.5 133.3

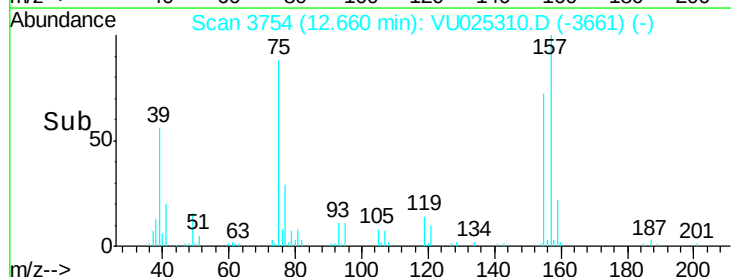
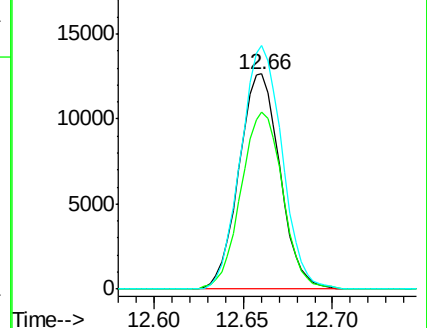
157 114.3 57.0 170.8

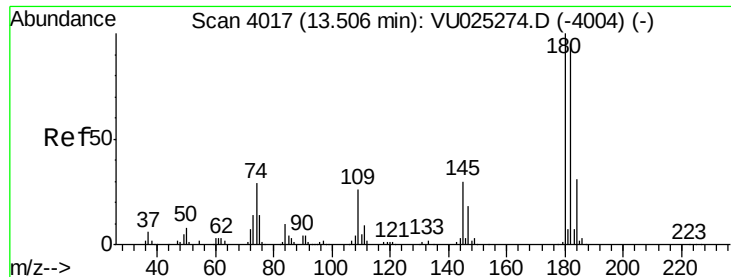


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

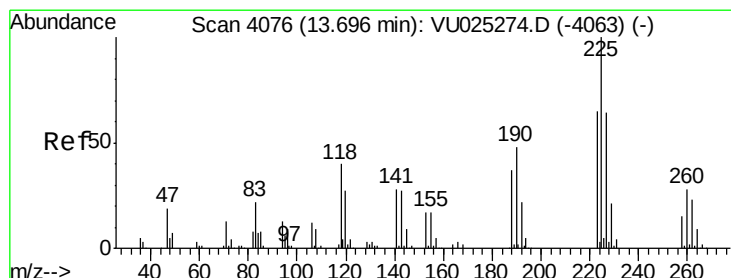
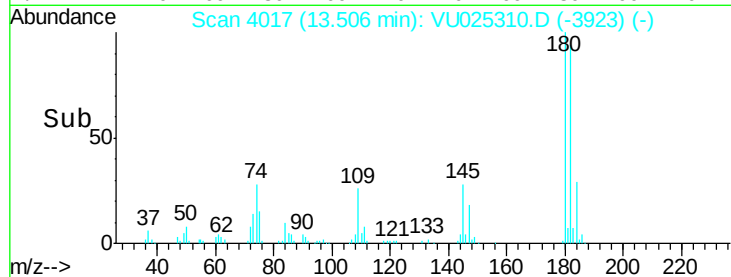
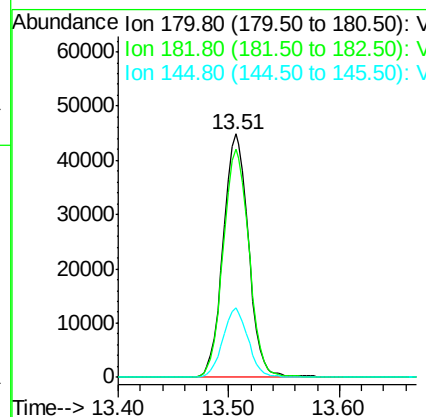
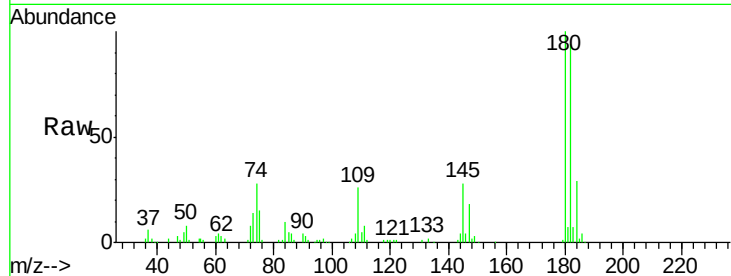




#93
 1,2,4-Trichlorobenzene
 Concen: 19.80 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

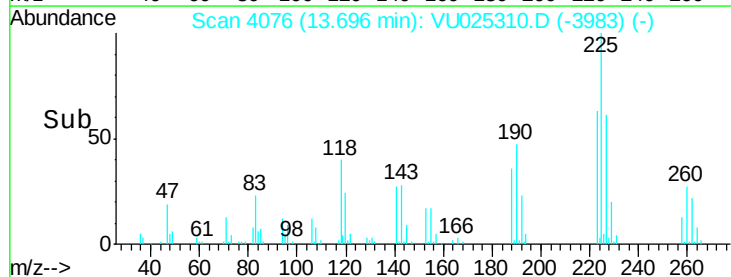
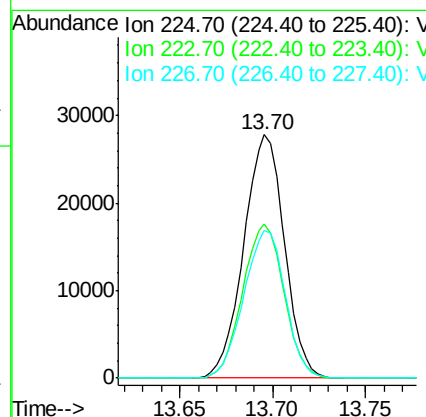
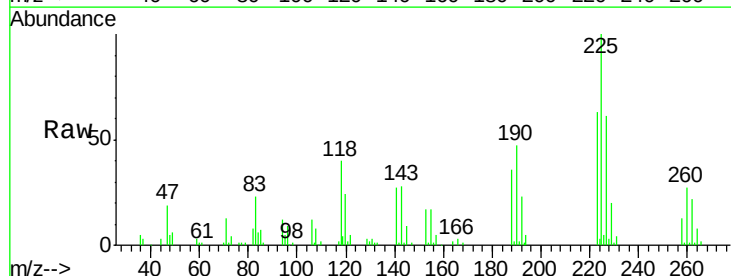
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS02

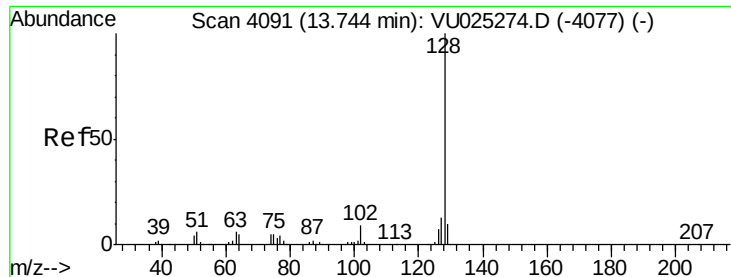
Tot Ion:180 Resp: 71476
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.3 141.9
 145 28.4 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 19.71 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025310.D
 Acq: 11 Jul 2018 13:25

Tgt Ion:225 Resp: 42550
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.9 95.7
 227 61.7 32.3 96.9





#95

Naphthalene

Concen: 19.56 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS02

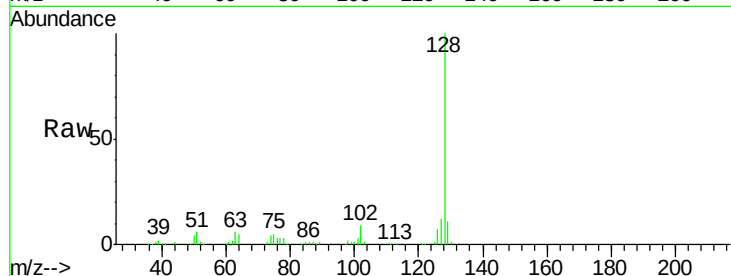
Tot Ion:128 Resp: 221403

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

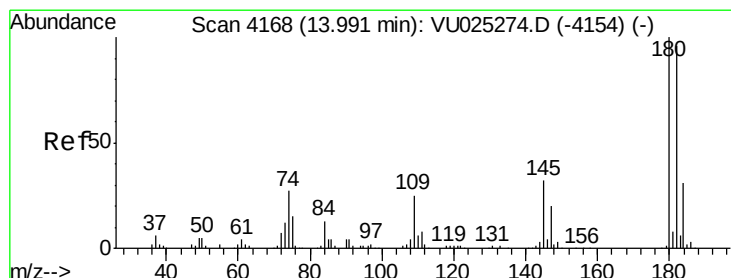
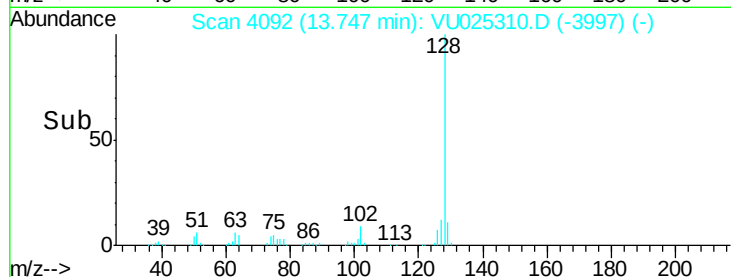
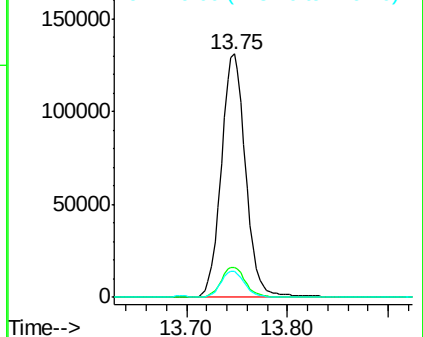
129 10.5 8.3 12.5



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: 19.76 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025310.D

Acq: 11 Jul 2018 13:25

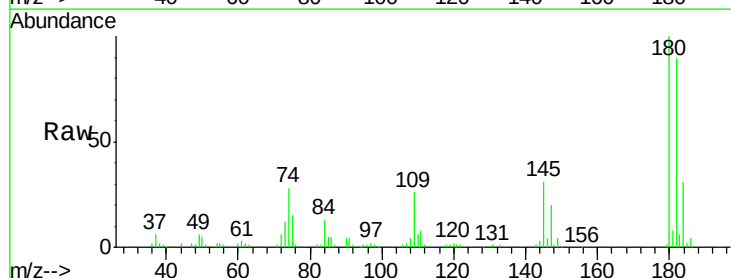
Tgt Ion:180 Resp: 74479

Ion Ratio Lower Upper

180 100

182 93.4 47.8 143.3

145 31.7 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

