

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070518\
 Data File : VU025204.D
 Acq On : 05 Jul 2018 10:08
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 06 05:09:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	170686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	251445	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	236371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	149368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	129735	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
35) Dibromofluoromethane	4.89	113	107101	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	7.57	98	340552	44.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.48%	
62) 4-Bromofluorobenzene	10.31	95	151417	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	85945	40.23	ug/l	100
3) Chloromethane	1.33	50	88031	40.33	ug/l	98
4) Vinyl Chloride	1.40	62	98965	43.97	ug/l	99
5) Bromomethane	1.62	94	61331	56.36	ug/l	100
6) Chloroethane	1.69	64	64476	51.29	ug/l	99
7) Trichlorofluoromethane	1.88	101	167247	48.69	ug/l	99
8) Diethyl Ether	2.10	74	62555	53.65	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	104196	48.89	ug/l	98
10) Methyl Iodide	2.41	142	102009	55.86	ug/l	98
11) Tert butyl alcohol	2.82	59	145537	214.75	ug/l	99
12) 1,1-Dichloroethene	2.28	96	92264	47.47	ug/l	95
13) Acrolein	2.19	56	43000	120.83	ug/l	98
14) Allyl chloride	2.59	41	161595	44.78	ug/l	99
15) Acrylonitrile	2.93	53	317772	241.00	ug/l	98
16) Acetone	2.32	43	385061	257.19	ug/l	97
17) Carbon Disulfide	2.48	76	256377	41.20	ug/l	99
18) Methyl Acetate	2.61	43	194841	60.70	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	369804	50.62	ug/l	96
20) Methylene Chloride	2.70	84	110398	46.99	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	102178	47.73	ug/l	99
22) Diisopropyl ether	3.57	45	355892	49.75	ug/l	96
23) Vinyl Acetate	3.53	43	1491267	232.72	ug/l	99
24) 1,1-Dichloroethane	3.45	63	202226	49.14	ug/l	98
25) 2-Butanone	4.26	43	497160	247.21	ug/l	97
26) 2,2-Dichloropropane	4.23	77	193444	49.50	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	122795	49.90	ug/l	100
28) Bromochloromethane	4.55	49	79260	43.73	ug/l	87
29) Tetrahydrofuran	4.63	42	292438	234.82	ug/l	97
30) Chloroform	4.68	83	213160	51.18	ug/l	100
31) Cyclohexane	5.00	56	179338	49.04	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	194498	50.50	ug/l	97
36) 1,1-Dichloropropene	5.14	75	152053	51.46	ug/l	98
37) Ethyl Acetate	4.38	43	167702	52.08	ug/l	97
38) Carbon Tetrachloride	5.14	117	174692	53.77	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	194100	52.64	ug/l	95
40) Benzene	5.39	78	442550	52.56	ug/l	99
41) Methacrylonitrile	4.54	41	94899	54.66	ug/l	97
42) 1,2-Dichloroethane	5.41	62	178432	55.65	ug/l	100
43) Isopropyl Acetate	5.55	43	277058	49.77	ug/l	99
44) Trichloroethene	6.19	130	125481	52.37	ug/l	93
45) 1,2-Dichloropropane	6.44	63	118863	52.91	ug/l	99
46) Dibromomethane	6.56	93	86229	54.65	ug/l	96
47) Bromodichloromethane	6.76	83	165925	52.81	ug/l	99
48) Methyl methacrylate	6.62	41	146149	53.92	ug/l	97
49) 1,4-Dioxane	6.61	88	61097	1152.58	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	892360	255.16	ug/l	98
52) Toluene	7.64	92	286258	52.85	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	184899	52.40	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	193386	51.43	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	118417	53.78	ug/l	99
56) Ethyl methacrylate	8.02	69	186552	50.62	ug/l	99
57) 1,3-Dichloropropane	8.25	76	200743	54.05	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	330504	234.10	ug/l	96
59) 2-Hexanone	8.36	43	723547	253.42	ug/l	99
60) Dibromochloromethane	8.48	129	140470	51.16	ug/l	99
61) 1,2-Dibromoethane	8.59	107	129777	52.96	ug/l	98
64) Tetrachloroethene	8.23	164	116383	51.80	ug/l	98
65) Chlorobenzene	9.12	112	330453	54.73	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	127162	55.43	ug/l	98
67) Ethyl Benzene	9.25	91	573386	54.17	ug/l	96
68) m/p-Xylenes	9.38	106	450789	110.90	ug/l	97
69) o-Xylene	9.78	106	223790	55.63	ug/l	95
70) Styrene	9.80	104	356717	53.96	ug/l	99
71) Bromoform	9.96	173	112394	51.54	ug/l	# 99
73) Isopropylbenzene	10.17	105	601607	52.46	ug/l	99
74) N-amyl acetate	10.01	43	251426	46.09	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	195326	50.83	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	236832	72.02	ug/l	81
77) Bromobenzene	10.45	156	154705	53.29	ug/l	93
78) n-propylbenzene	10.59	91	696492	51.56	ug/l	97
79) 2-Chlorotoluene	10.66	91	409580	51.41	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	525188	52.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	236838	166.68	ug/l	# 100
82) 4-Chlorotoluene	10.78	91	477441	51.49	ug/l	98
83) tert-Butylbenzene	11.10	119	519818	54.37	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	534970	52.81	ug/l	99
85) sec-Butylbenzene	11.33	105	631746	52.79	ug/l	98
86) p-Isopropyltoluene	11.48	119	564519	52.67	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	282832	52.73	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	286498	53.07	ug/l	99
89) n-Butylbenzene	11.89	91	475223	49.94	ug/l	97
90) Hexachloroethane	12.15	117	100468	48.05	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	291227	54.21	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51155	48.24	ug/l	93

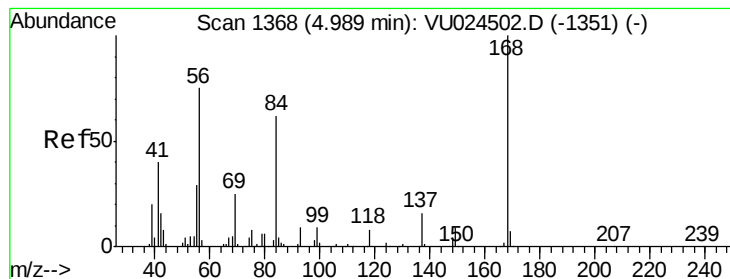
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QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	191357	57.68	ug/l	99
94) Hexachlorobutadiene	13.70	225	106108	56.82	ug/l	99
95) Naphthalene	13.74	128	589022	53.58	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	196608	59.47	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

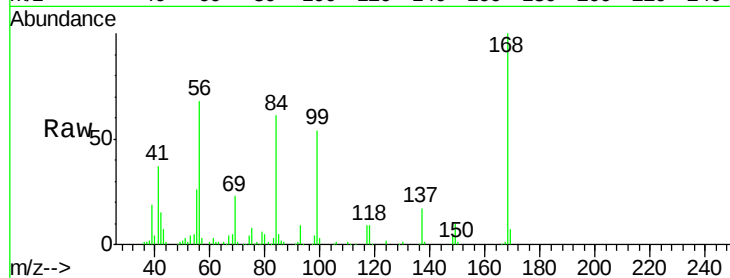
VSTDCCC050

Tot Ion:168 Resp: 170686

Ion Ratio Lower Upper

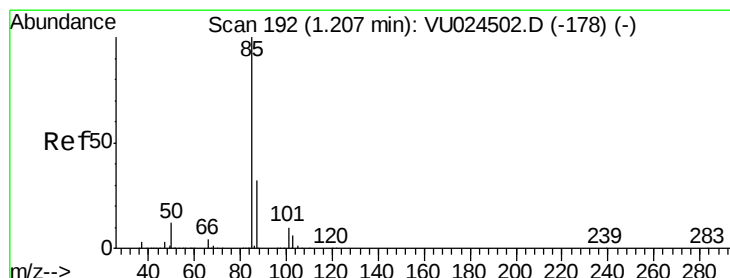
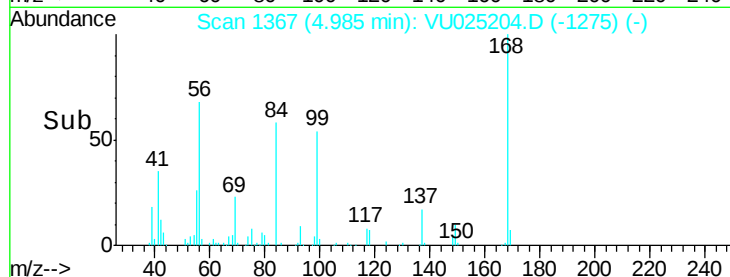
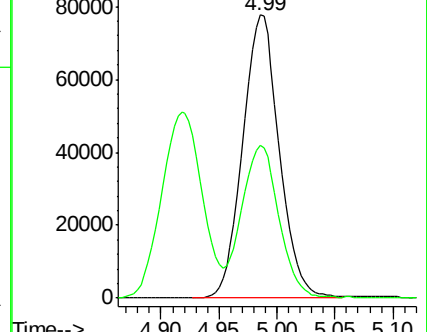
168 100

99 53.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 40.23 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025204.D

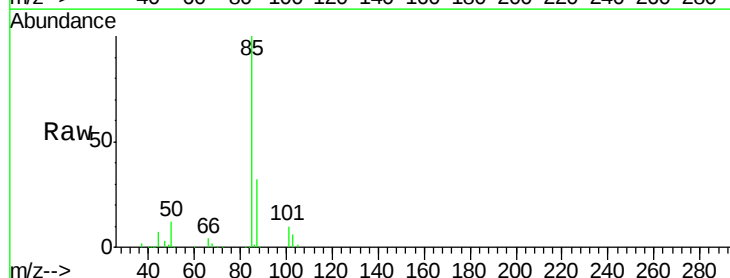
Acq: 05 Jul 2018 10:08

Tgt Ion: 85 Resp: 85945

Ion Ratio Lower Upper

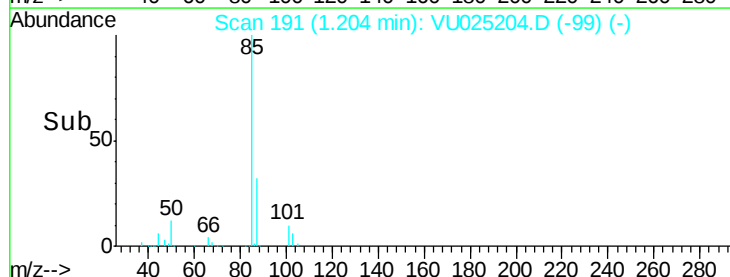
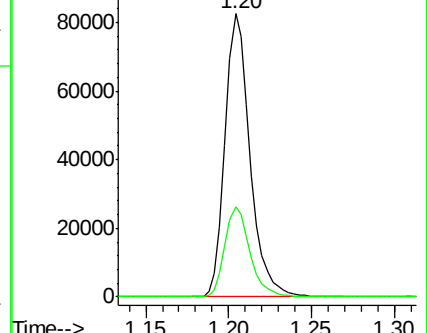
85 100

87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 40.33 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

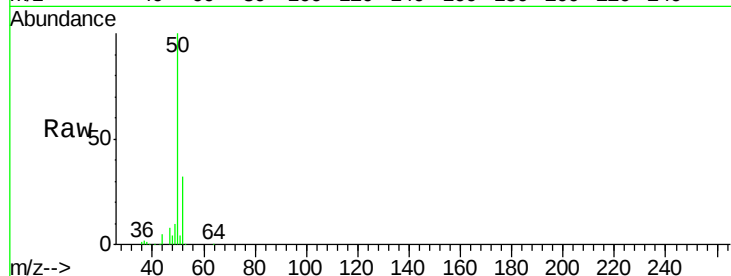
VSTDCCC050

Tot Ion: 50 Resp: 88031

Ion Ratio Lower Upper

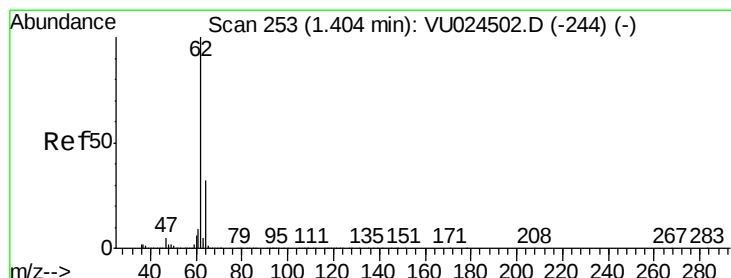
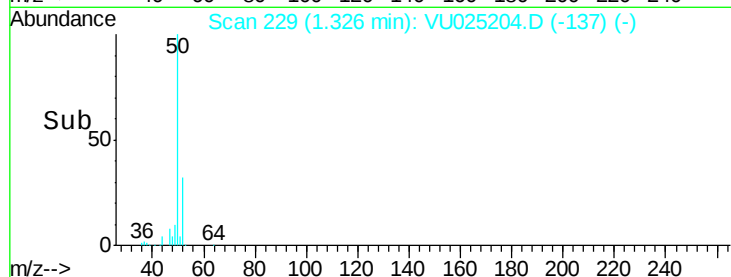
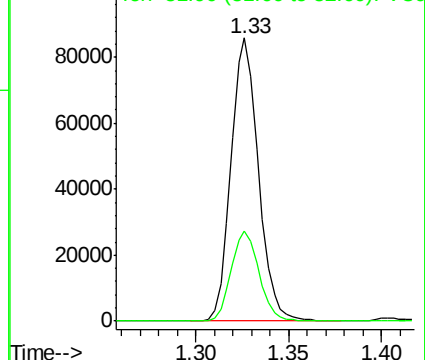
50 100

52 31.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)



#4

Vinyl Chloride

Concen: 43.97 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025204.D

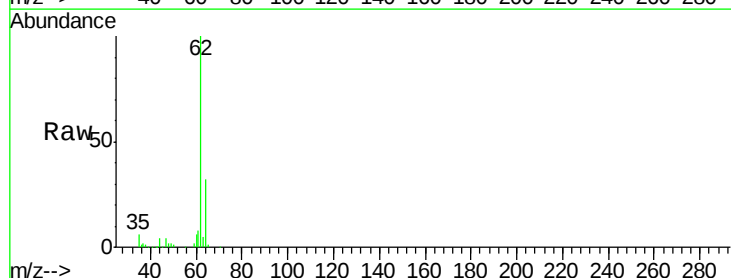
Acq: 05 Jul 2018 10:08

Tgt Ion: 62 Resp: 98965

Ion Ratio Lower Upper

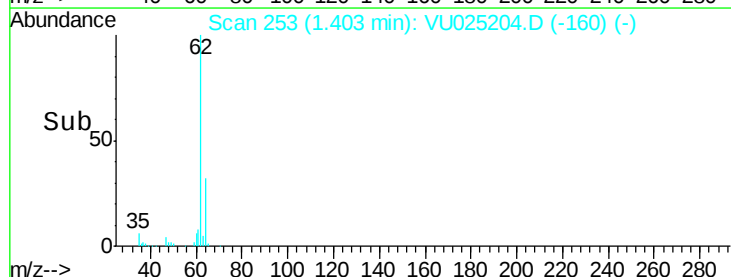
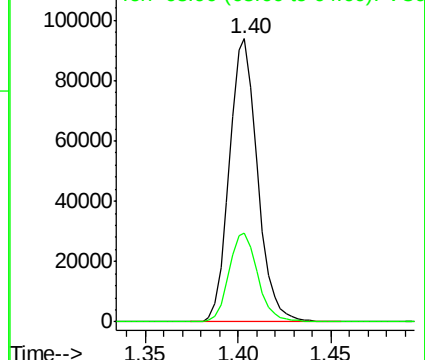
62 100

64 31.3 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU024502.D (-244) (-)





#5

Bromomethane

Concen: 56.36 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

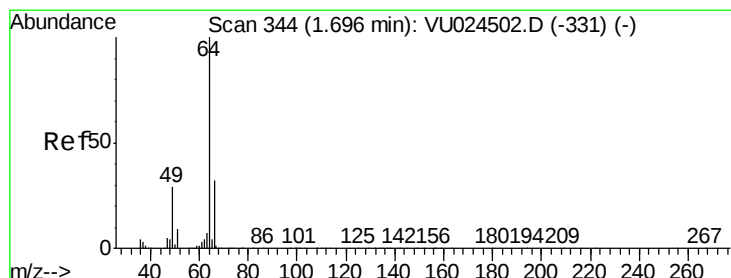
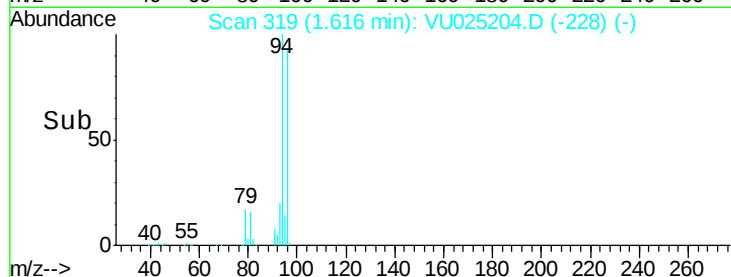
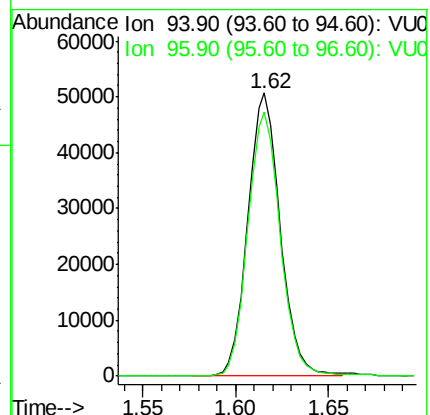
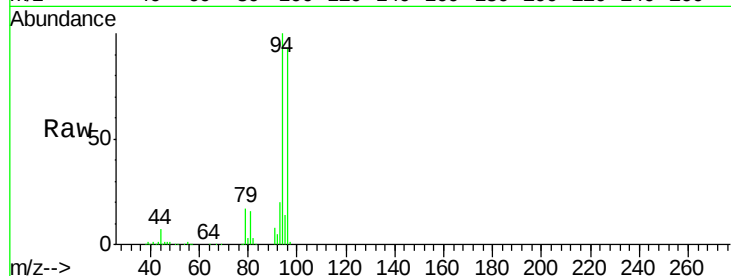
VSTDCCC050

Tot Ion: 94 Resp: 61331

Ion Ratio Lower Upper

94 100

96 93.3 74.5 111.7



#6

Chloroethane

Concen: 51.29 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025204.D

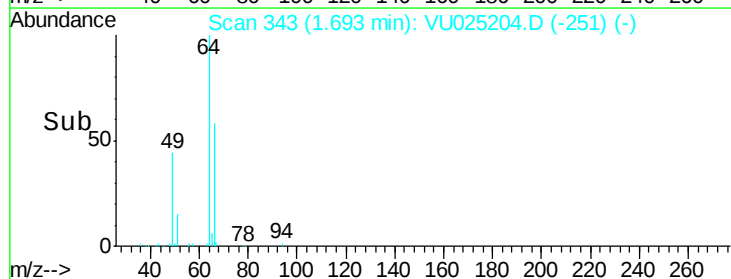
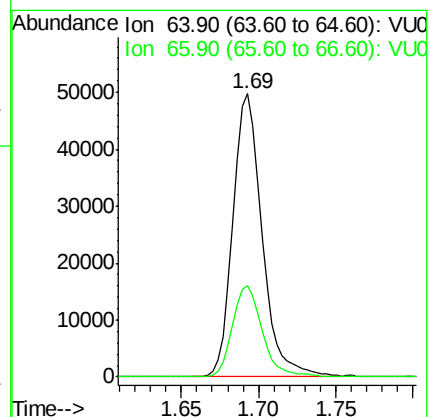
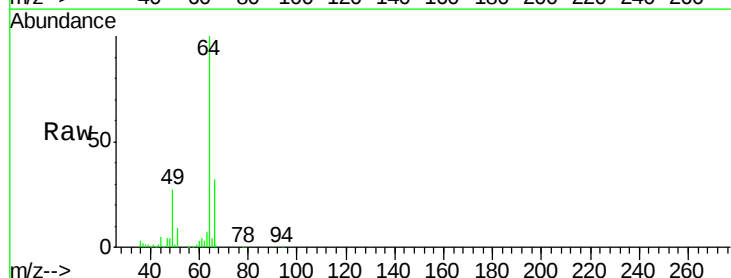
Acq: 05 Jul 2018 10:08

Tgt Ion: 64 Resp: 64476

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3





#7

Trichlorofluoromethane

Concen: 48.69 ug/l

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

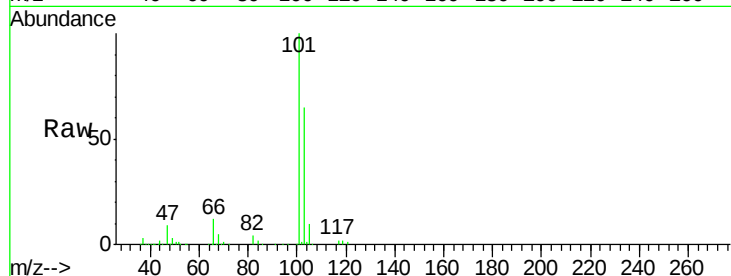
VSTDCCC050

Tot Ion:101 Resp: 167247

Ion Ratio Lower Upper

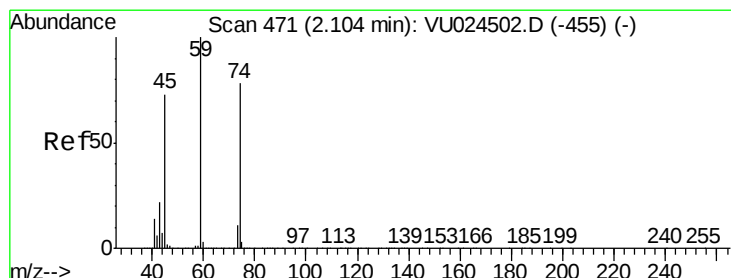
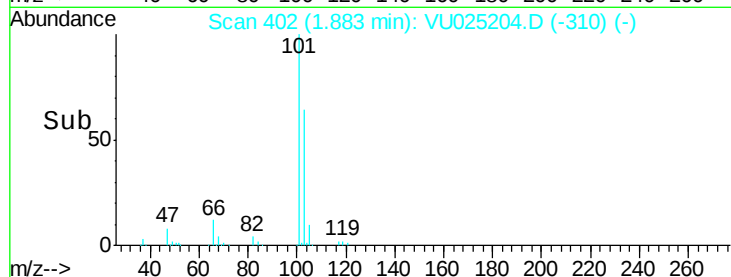
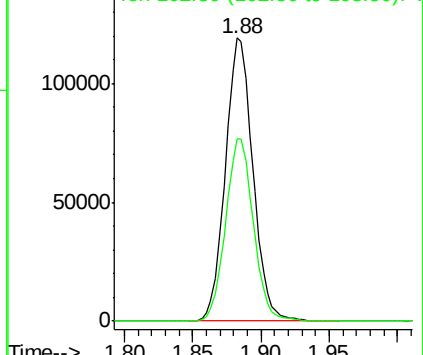
101 100

103 64.5 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 53.65 ug/l

RT: 2.10 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU025204.D

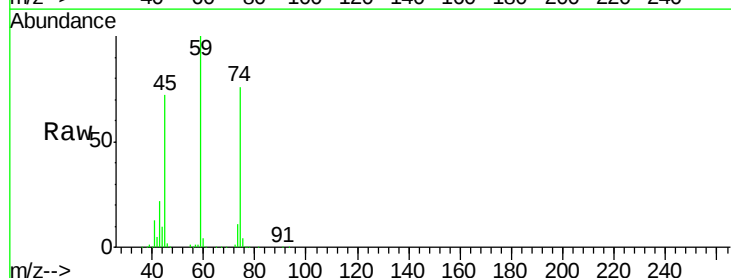
Acq: 05 Jul 2018 10:08

Tgt Ion: 74 Resp: 62555

Ion Ratio Lower Upper

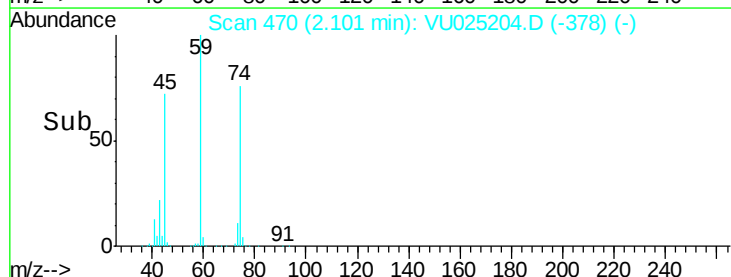
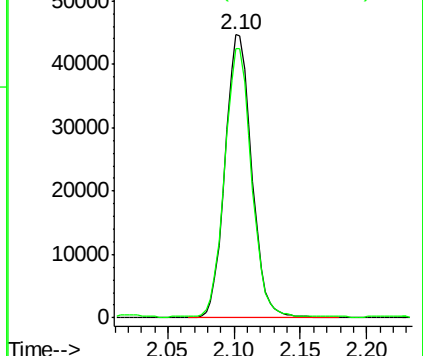
74 100

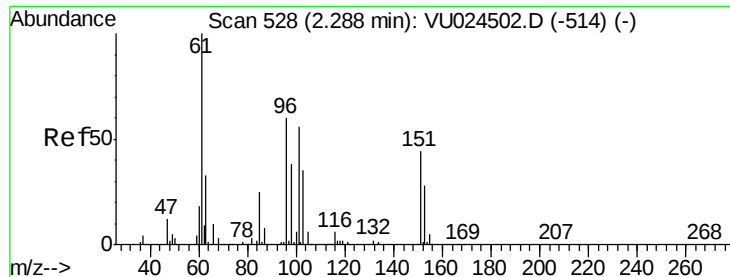
45 94.9 55.0 165.0



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: 48.89 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

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ClientSampleId :

VSTDCCC050

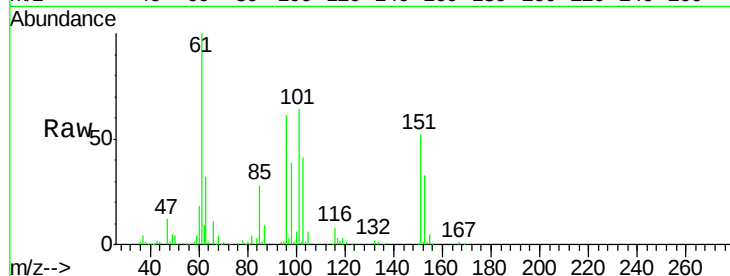
Tot Ion:101 Resp: 104196

Ion Ratio Lower Upper

101 100

85 44.3 36.0 54.0

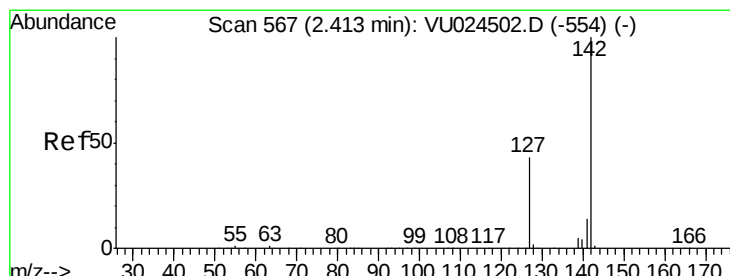
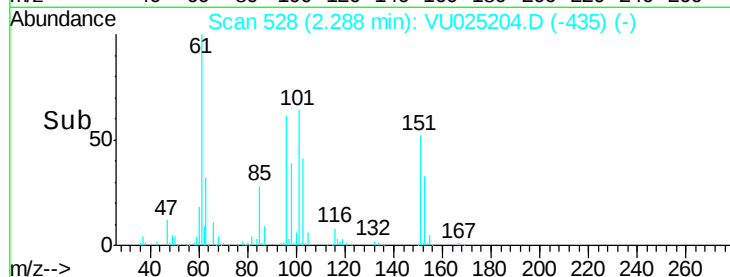
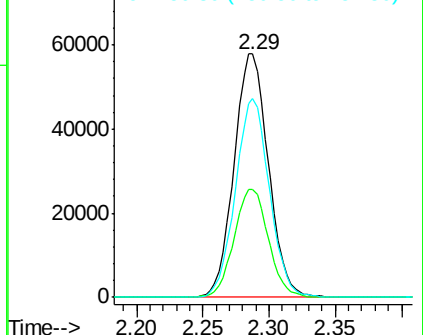
151 80.7 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.86 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

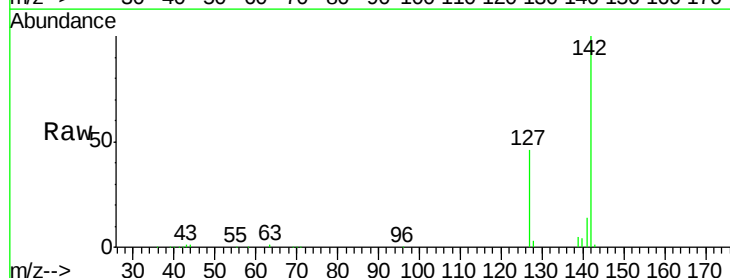
Tgt Ion:142 Resp: 102009

Ion Ratio Lower Upper

142 100

127 46.2 35.6 53.4

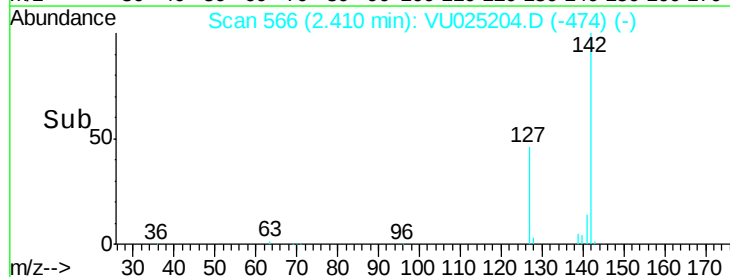
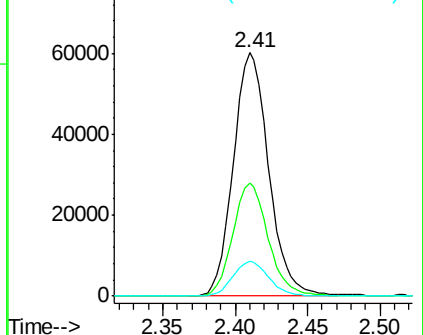
141 14.4 11.7 17.5

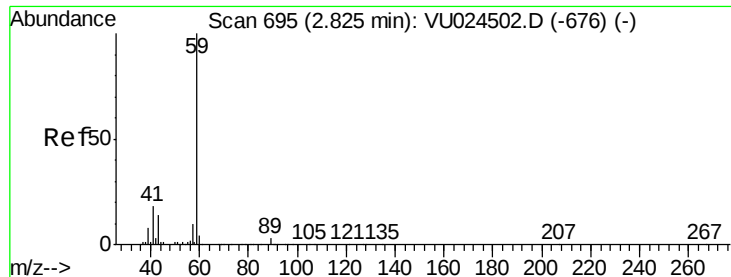


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 214.75 ug/l

RT: 2.82 min Scan# 695

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

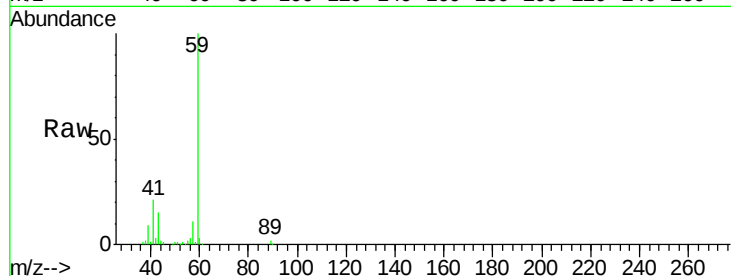
VSTDCCC050

Tot Ion: 59 Resp: 145537

Ion Ratio Lower Upper

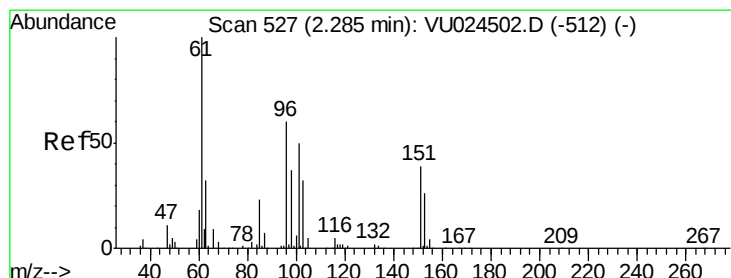
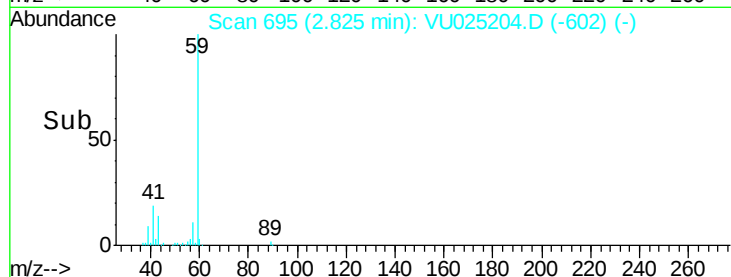
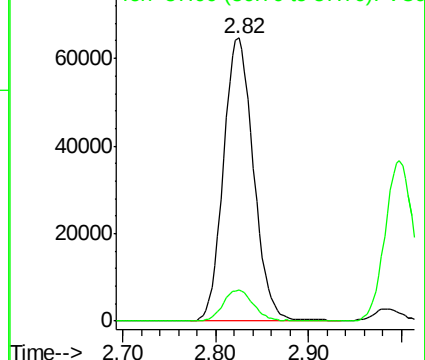
59 100

57 10.9 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#12

1,1-Dichloroethene

Concen: 47.47 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

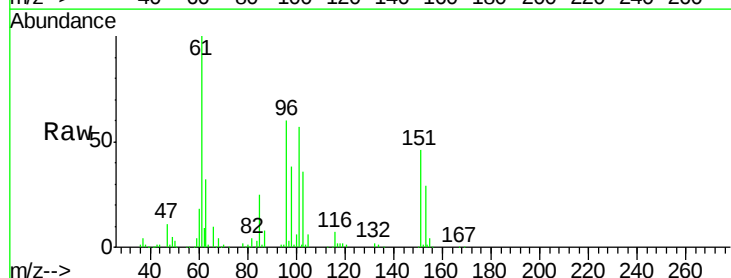
Tgt Ion: 96 Resp: 92264

Ion Ratio Lower Upper

96 100

61 167.9 141.7 212.5

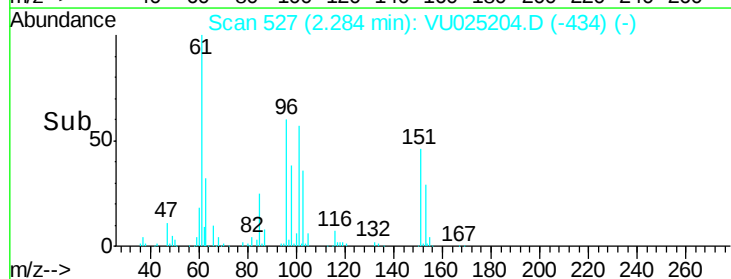
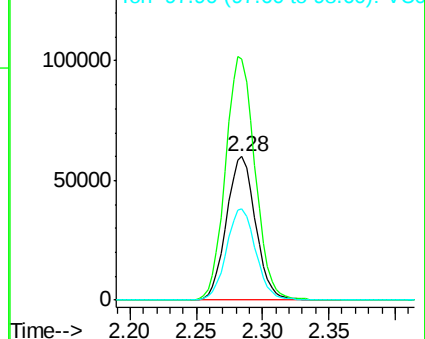
98 63.4 51.6 77.4

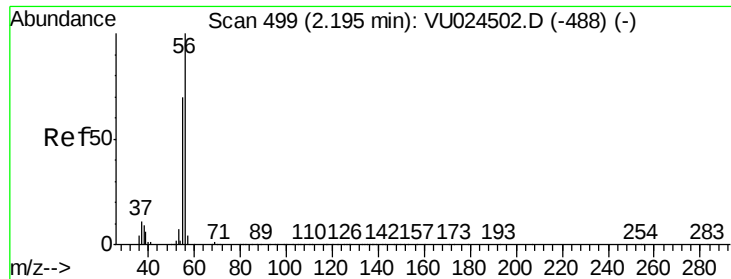


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#13

Acrolein

Concen: 120.83 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

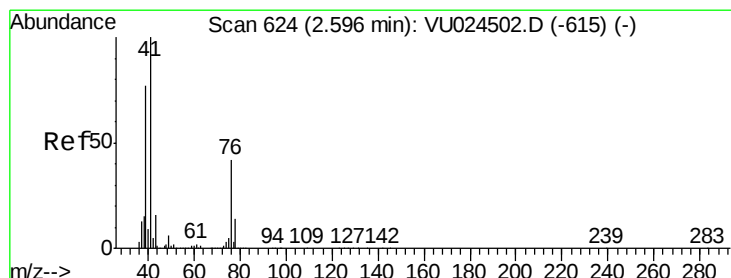
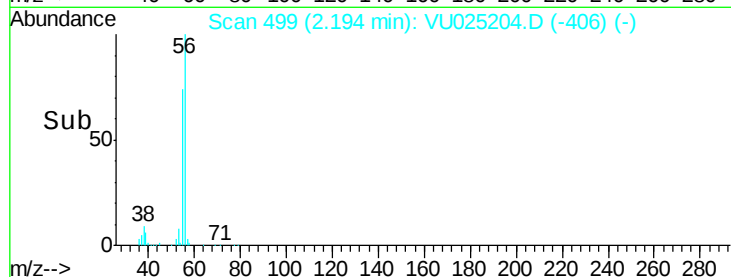
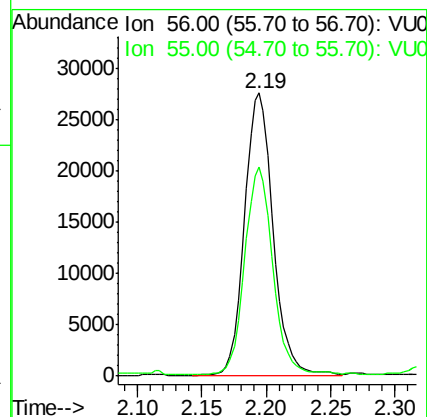
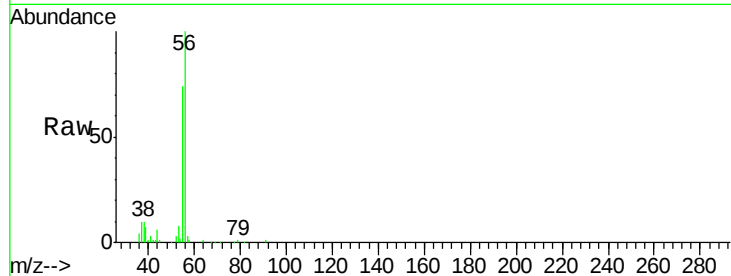
VSTDCCC050

Tot Ion: 56 Resp: 43000

Ion Ratio Lower Upper

56 100

55 71.2 58.4 87.6



#14

Allyl chloride

Concen: 44.78 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

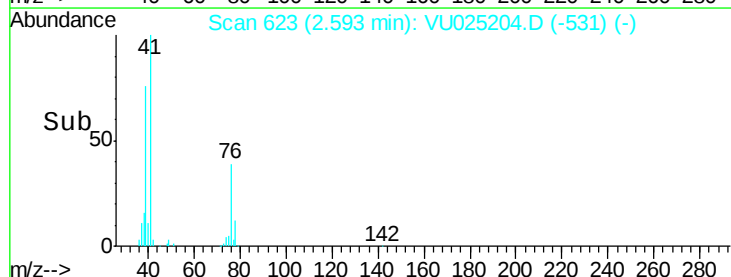
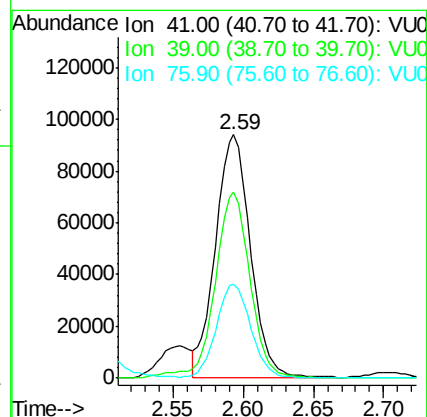
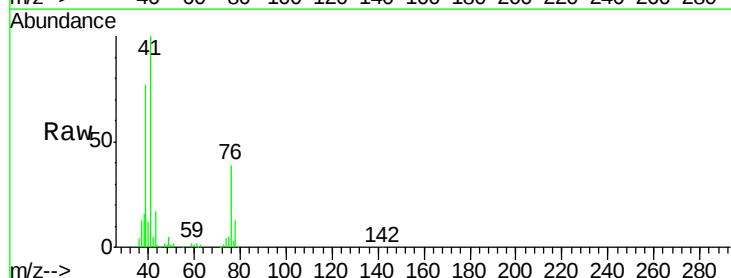
Tgt Ion: 41 Resp: 161595

Ion Ratio Lower Upper

41 100

39 76.5 61.6 92.4

76 38.2 29.7 44.5





#15

Acrylonitrile

Concen: 241.00 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

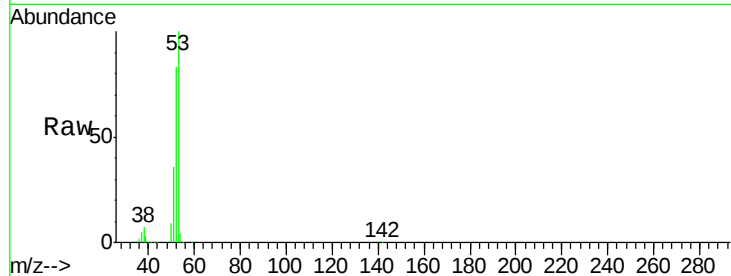
Tot Ion: 53 Resp: 317772

Ion Ratio Lower Upper

53 100

52 82.5 67.1 100.7

51 37.1 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VU024502.D (-714) (-)

Ion 52.00 (51.70 to 52.70): VU024502.D (-714) (-)

Ion 51.00 (50.70 to 51.70): VU024502.D (-714) (-)

2.93

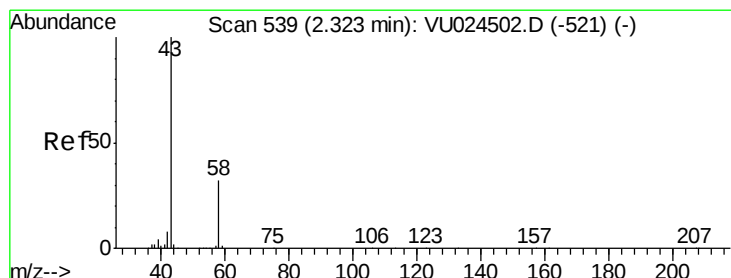
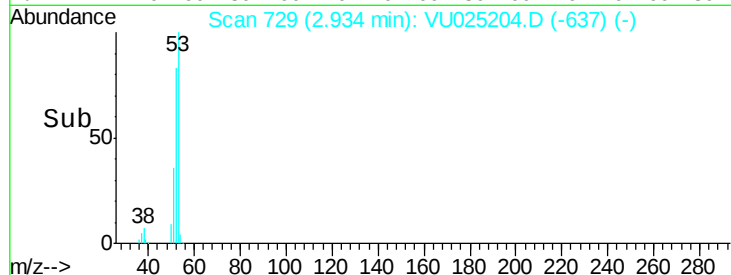
150000

100000

50000

0

Time--> 2.80 2.90 3.00 3.10



#16

Acetone

Concen: 257.19 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025204.D

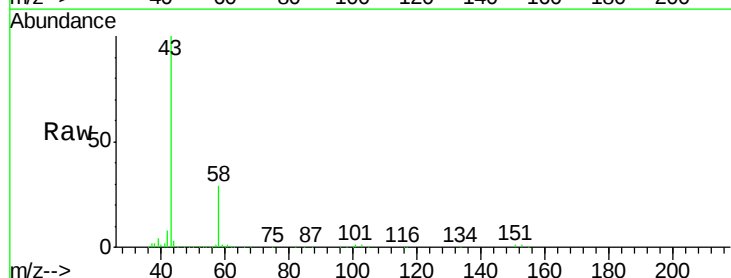
Acq: 05 Jul 2018 10:08

Tgt Ion: 43 Resp: 385061

Ion Ratio Lower Upper

43 100

58 29.1 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)

2.32

250000

200000

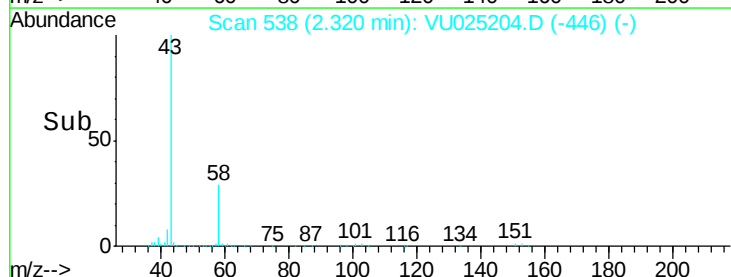
150000

100000

50000

0

Time--> 2.20 2.30 2.40

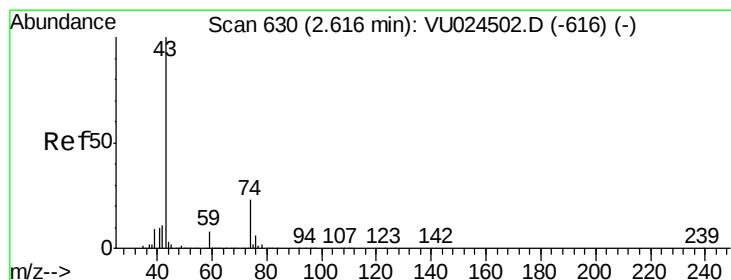
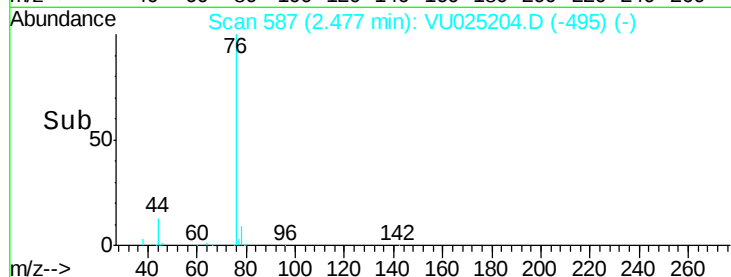
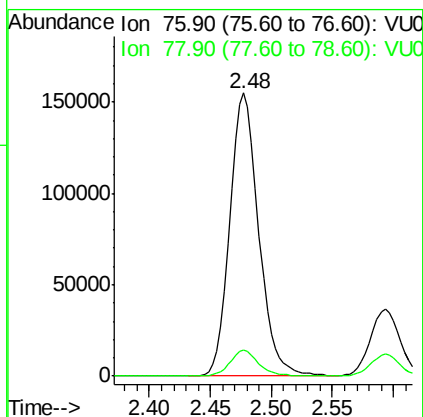
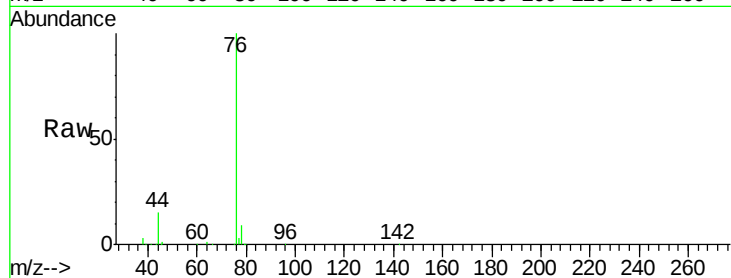




#17
Carbon Disulfide
Concen: 41.20 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

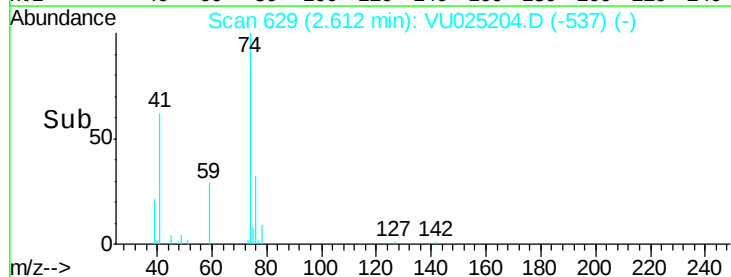
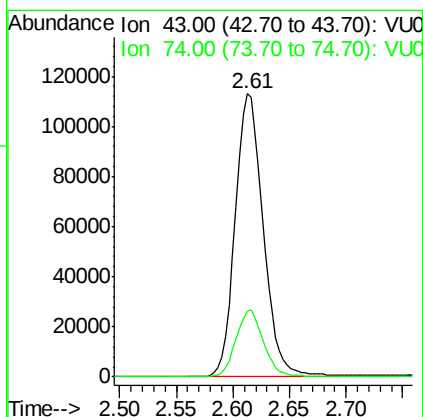
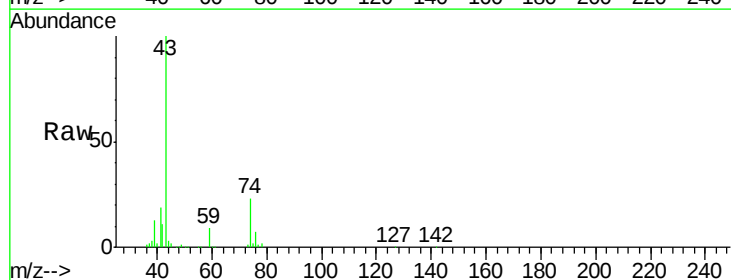
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 256377
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 60.70 ug/l
RT: 2.61 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

Tgt Ion: 43 Resp: 194841
Ion Ratio Lower Upper
43 100
74 23.3 18.0 27.0

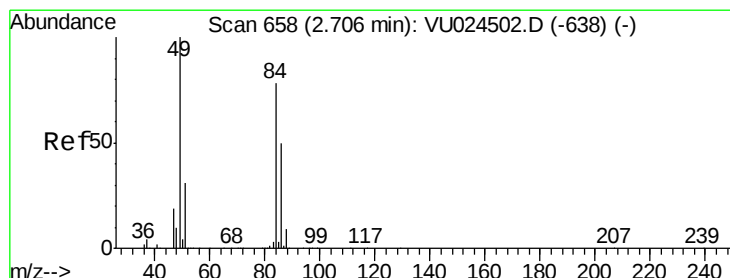
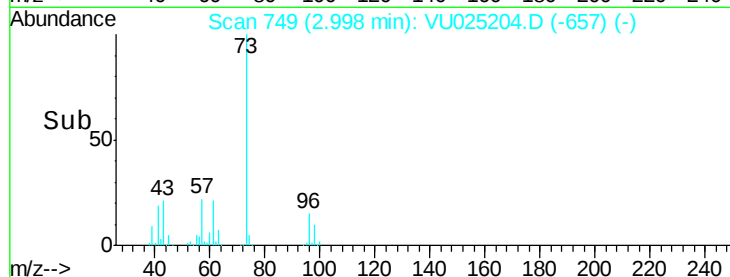
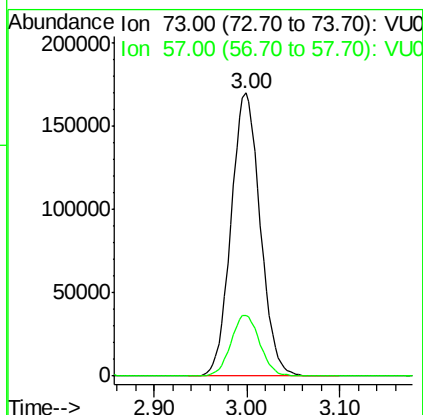
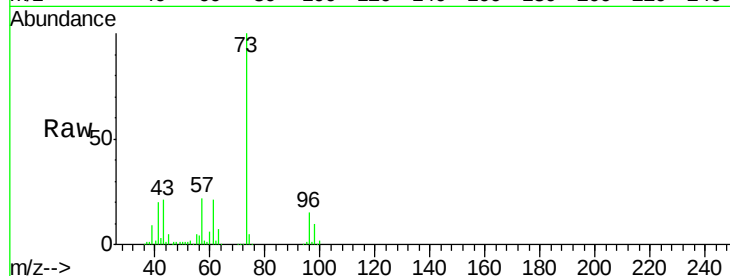




#19
Methyl tert-butyl Ether
Concen: 50.62 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

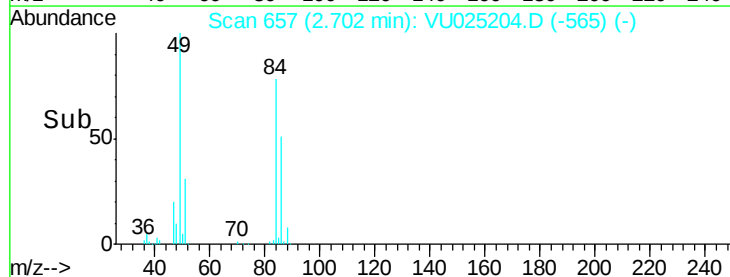
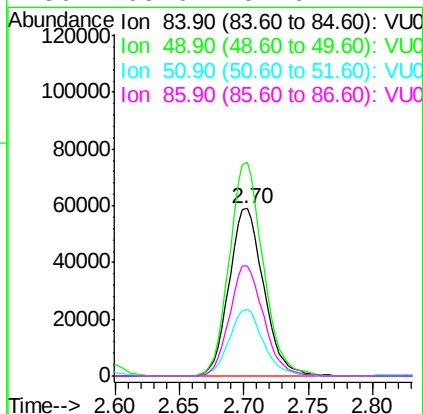
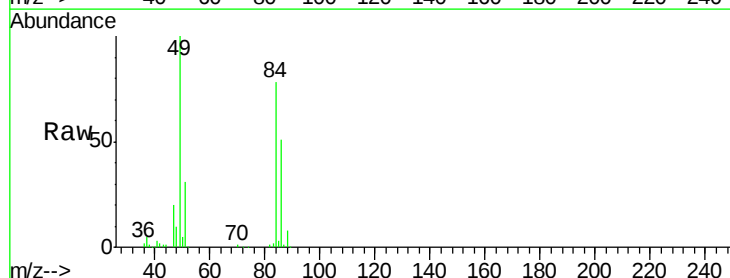
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 369804
Ion Ratio Lower Upper
73 100
57 21.6 18.8 28.2



#20
Methylene Chloride
Concen: 46.99 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

Tgt Ion: 84 Resp: 110398
Ion Ratio Lower Upper
84 100
49 127.5 103.8 155.8
51 40.1 32.0 48.0
86 65.6 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 47.73 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

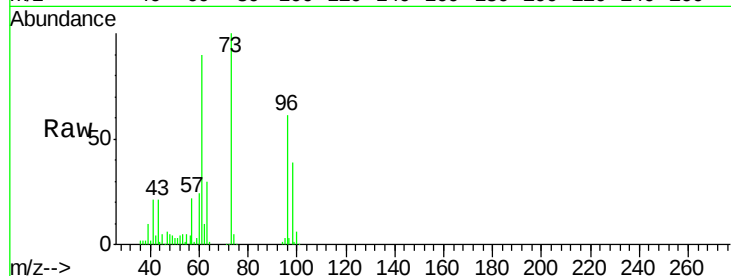
Tot Ion: 96 Resp: 102178

Ion Ratio Lower Upper

96 100

61 148.0 119.4 179.0

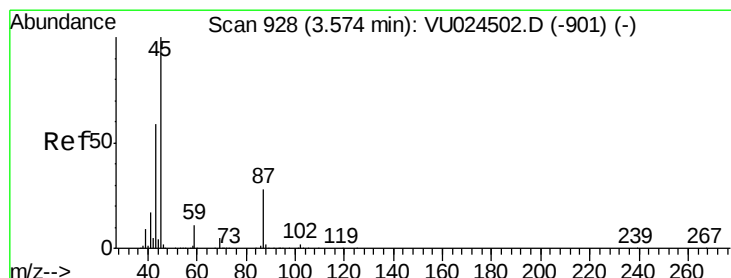
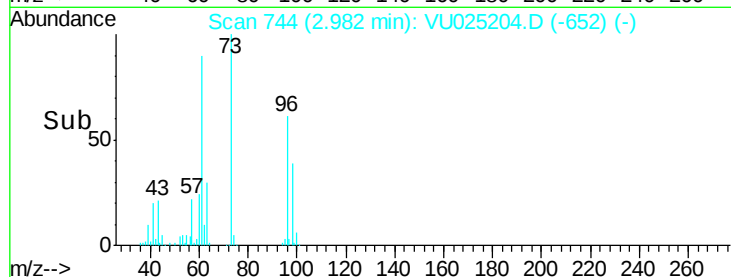
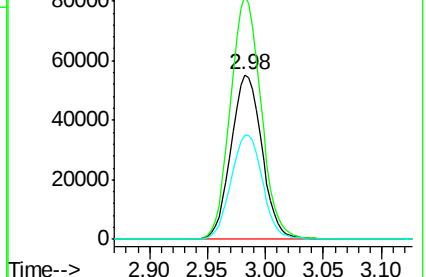
98 63.4 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU025204.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU025204.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU025204.D (-652) (-)



#22

Diisopropyl ether

Concen: 49.75 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Tgt Ion: 45 Resp: 355892

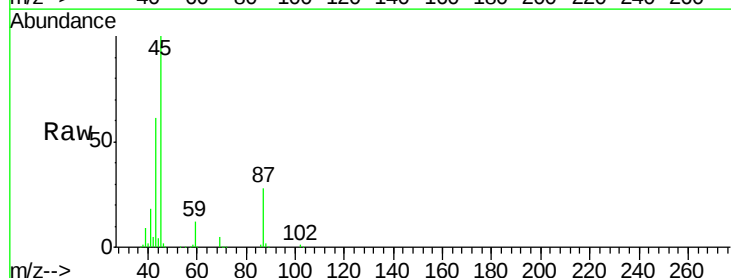
Ion Ratio Lower Upper

45 100

43 60.3 45.8 68.6

87 28.2 20.6 31.0

59 11.9 9.4 14.0

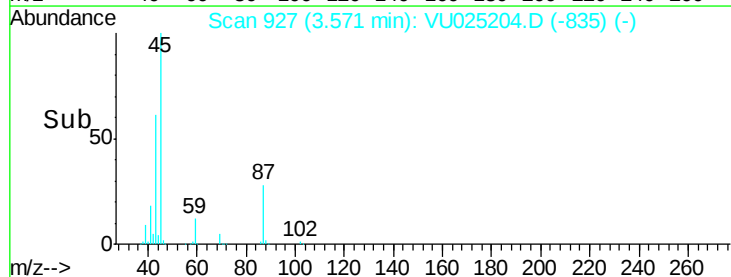
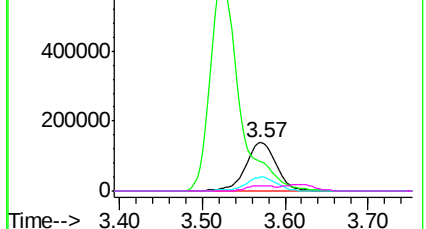


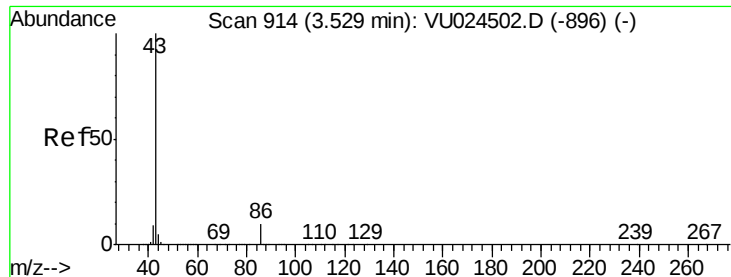
Abundance Ion 45.00 (44.70 to 45.70): VU025204.D (-835) (-)

Ion 43.00 (42.70 to 43.70): VU025204.D (-835) (-)

Ion 87.00 (86.70 to 87.70): VU025204.D (-835) (-)

Ion 59.00 (58.70 to 59.70): VU025204.D (-835) (-)





#23

Vinyl Acetate

Concen: 232.72 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

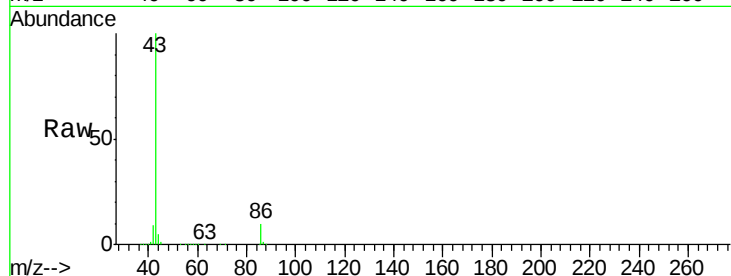
VSTDCCC050

Tot Ion: 43 Resp: 1491267

Ion Ratio Lower Upper

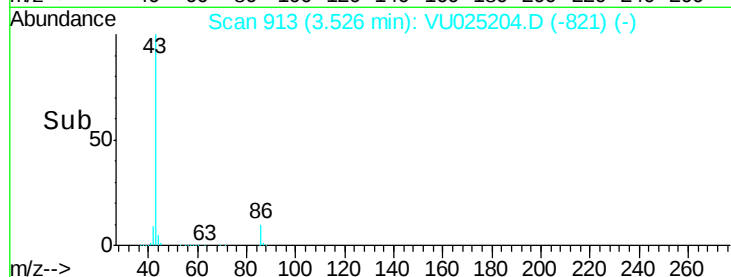
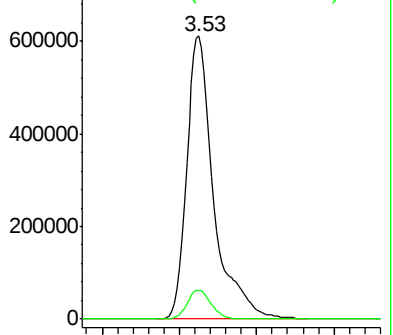
43 100

86 10.3 7.8 11.8

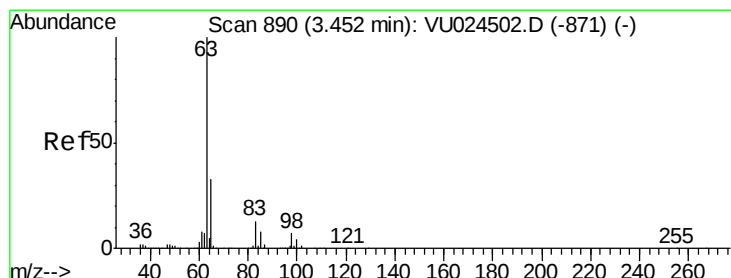


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



Time-->



#24

1,1-Dichloroethane

Concen: 49.14 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

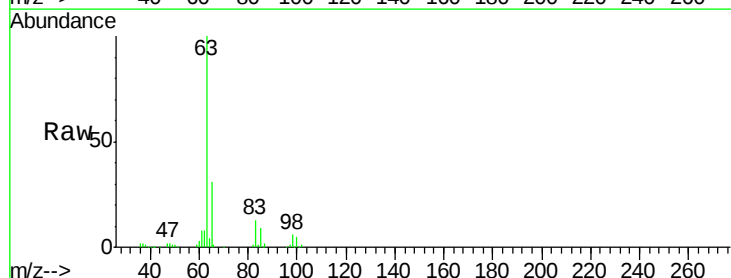
Tgt Ion: 63 Resp: 202226

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

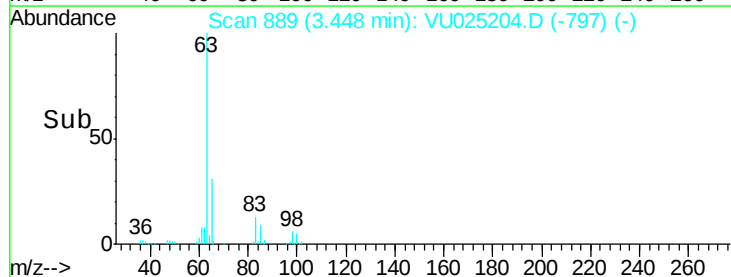
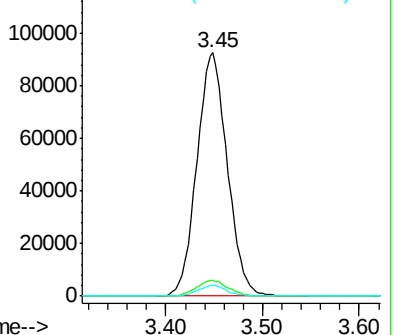
100 4.5 1.8 5.5



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



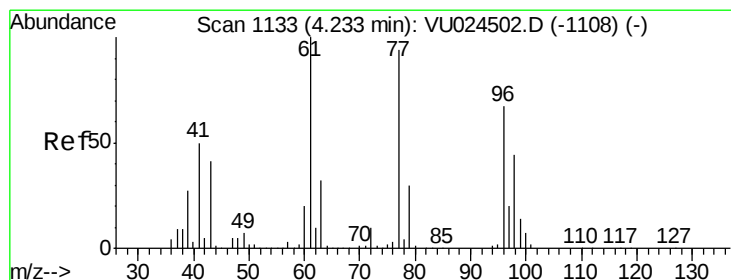
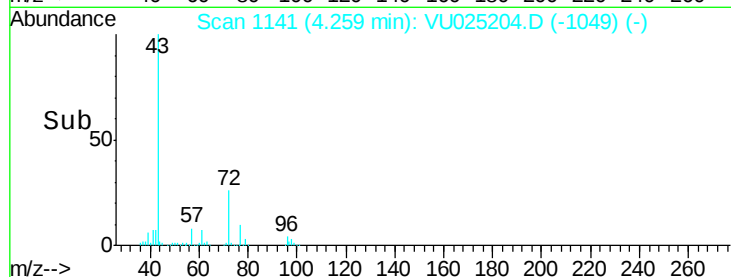
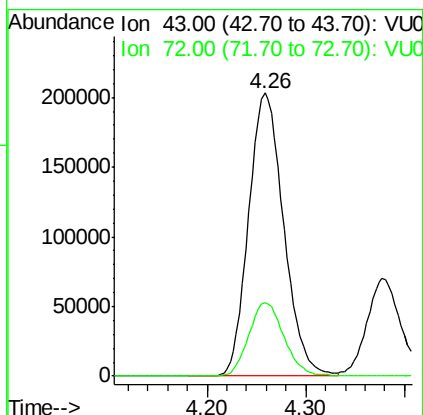
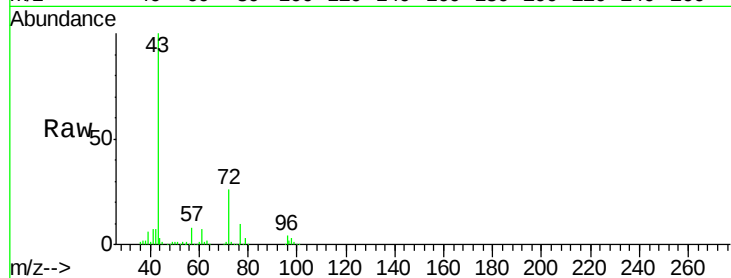
Time-->



#25
2-Butanone
Concen: 247.21 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

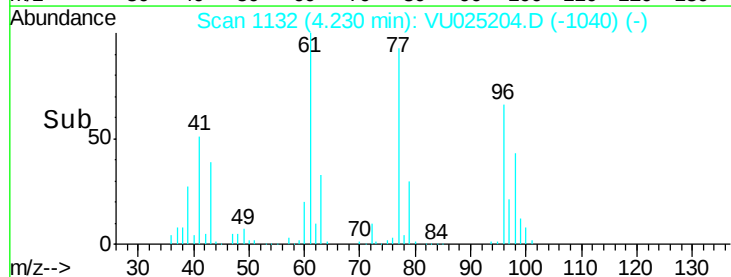
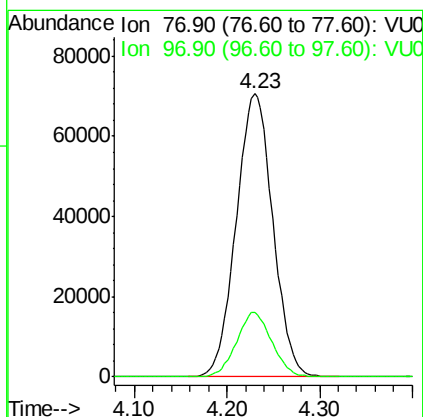
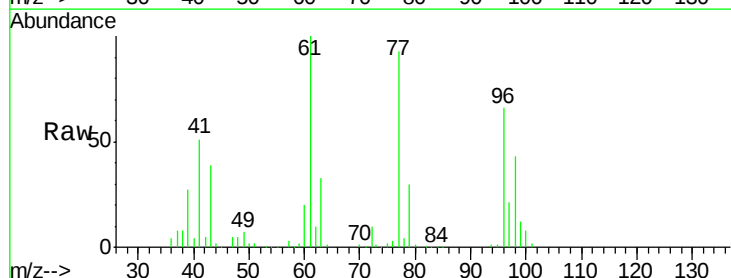
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 497160
Ion Ratio Lower Upper
43 100
72 26.0 19.6 29.4



#26
2,2-Dichloropropane
Concen: 49.50 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

Tgt Ion: 77 Resp: 193444
Ion Ratio Lower Upper
77 100
97 21.9 11.3 33.8

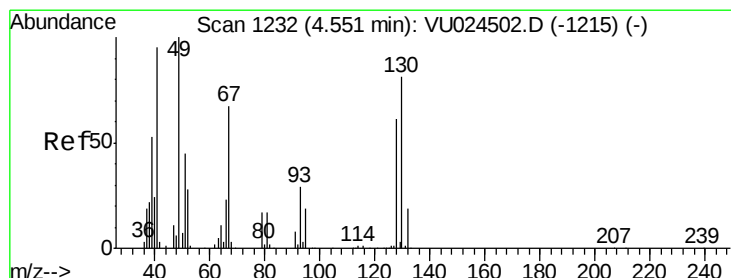
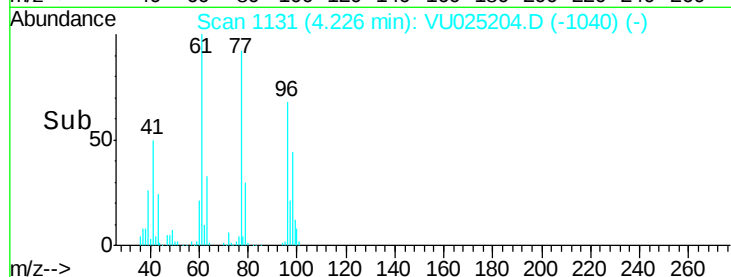
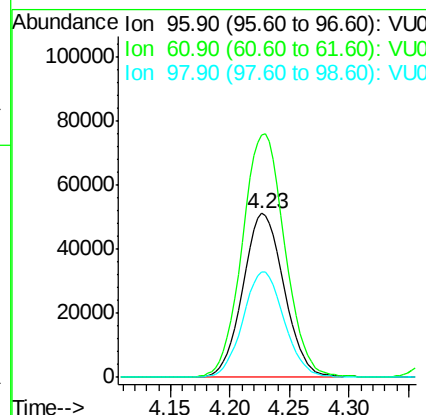
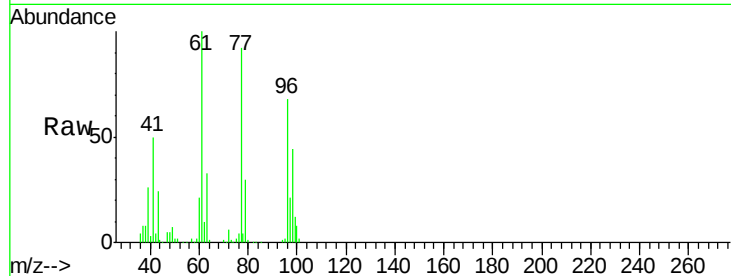




#27
 cis-1,2-Dichloroethene
 Concen: 49.90 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.01 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

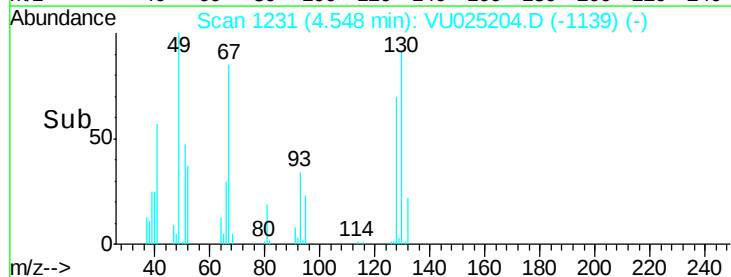
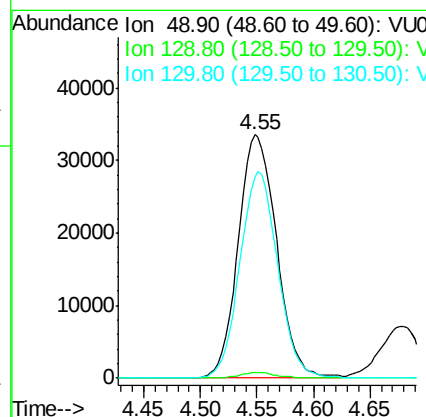
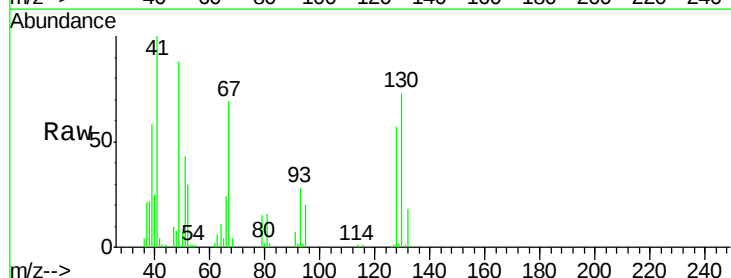
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.6	0.0	306.6
98	64.4	0.0	128.8



#28
 Bromochloromethane
 Concen: 43.73 ug/l
 RT: 4.55 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	83.6	57.8	86.6





#29

Tetrahydrofuran

Concen: 234.82 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

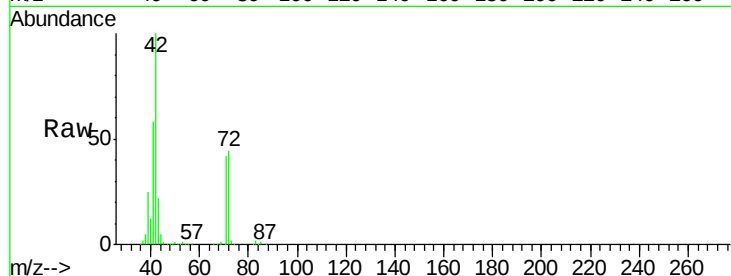
Tot Ion: 42 Resp: 292438

Ion Ratio Lower Upper

42 100

72 44.6 34.5 51.7

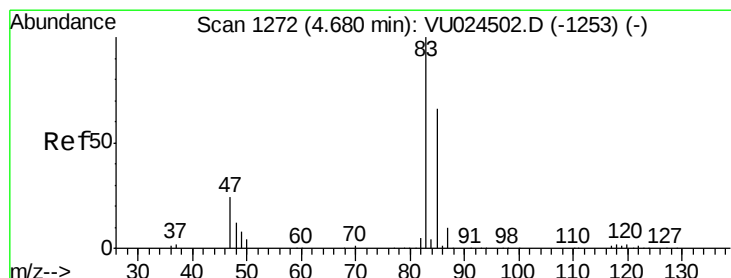
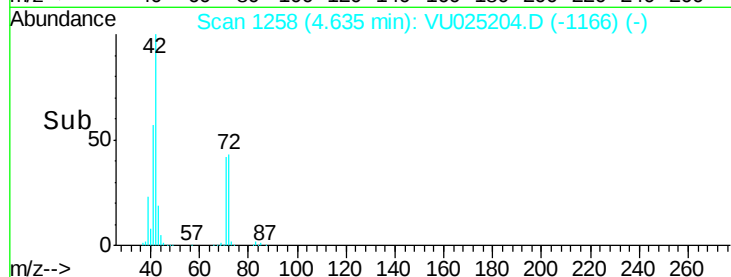
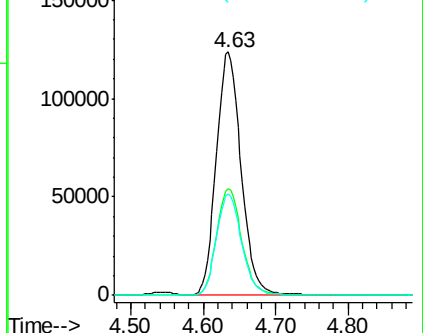
71 42.3 32.2 48.4



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 51.18 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025204.D

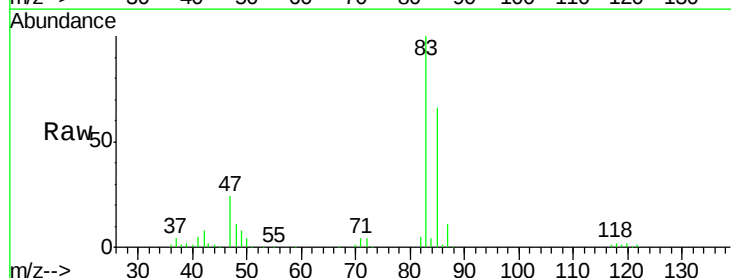
Acq: 05 Jul 2018 10:08

Tgt Ion: 83 Resp: 213160

Ion Ratio Lower Upper

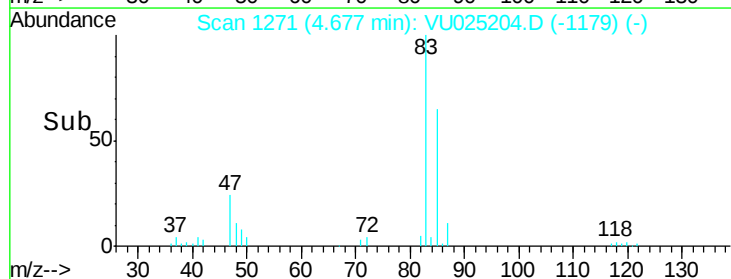
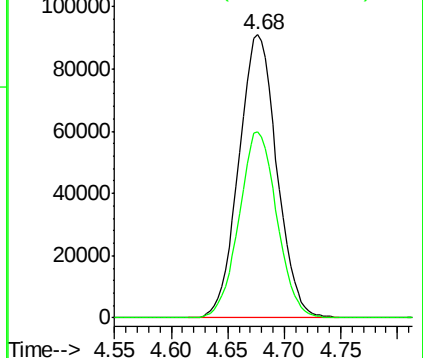
83 100

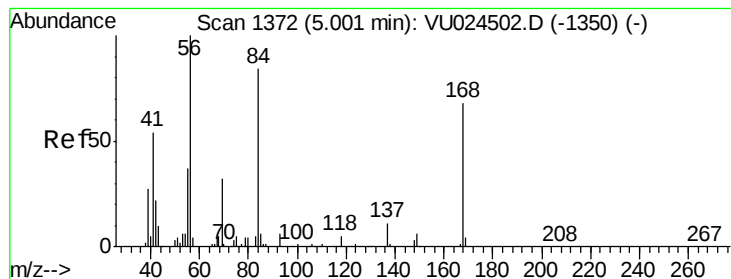
85 65.8 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 49.04 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

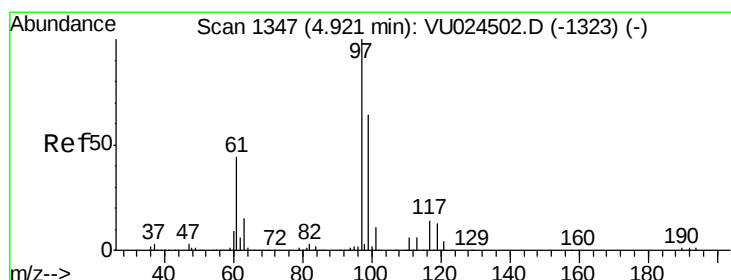
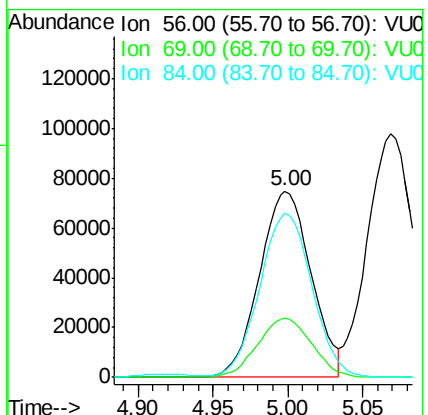
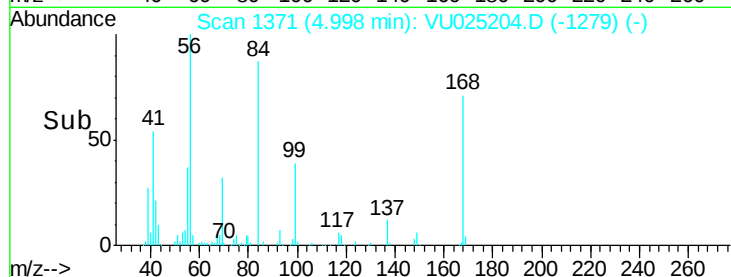
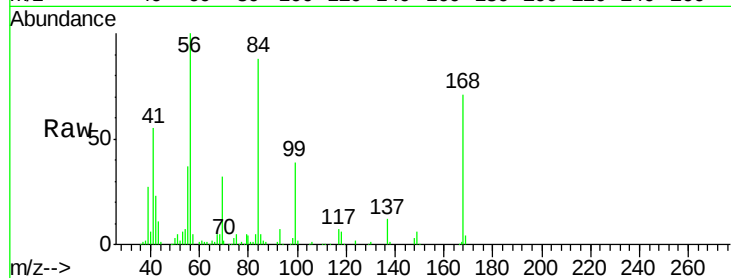
Tot Ion: 56 Resp: 179338

Ion Ratio Lower Upper

56 100

69 31.9 24.8 37.2

84 86.8 65.2 97.8



#32

1,1,1-Trichloroethane

Concen: 50.50 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

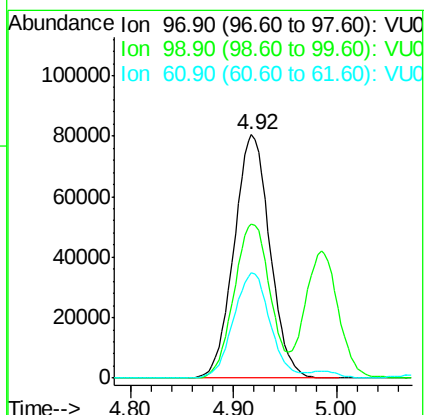
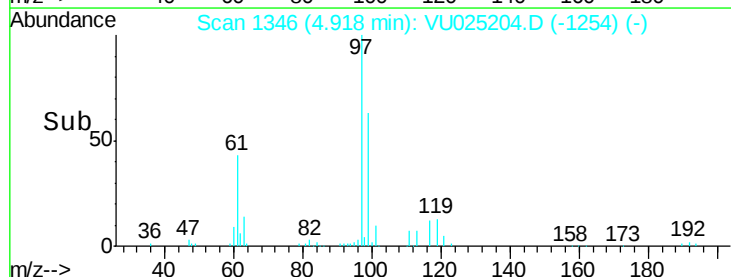
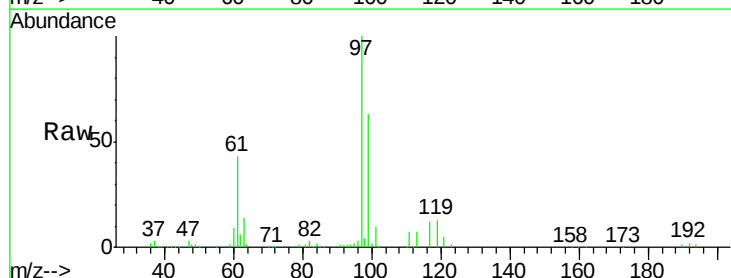
Tgt Ion: 97 Resp: 194498

Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.6

61 44.1 39.4 59.0

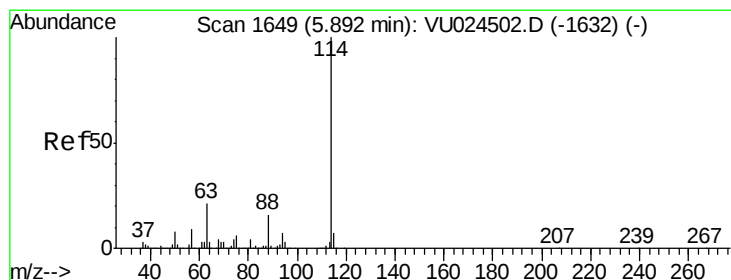
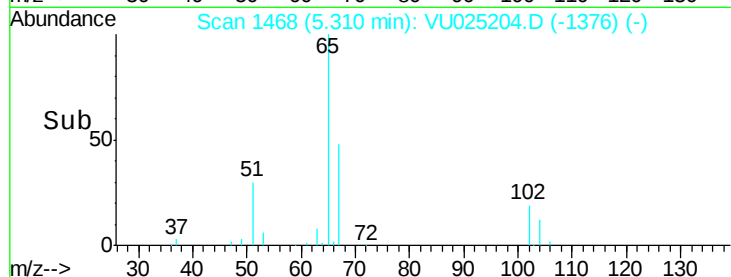
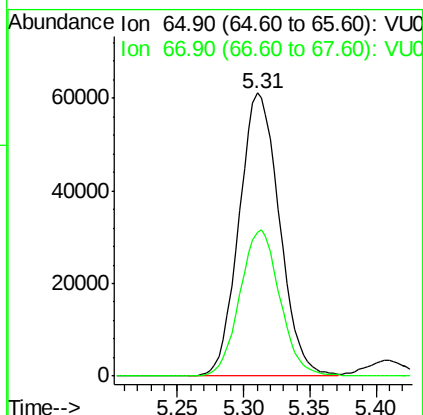
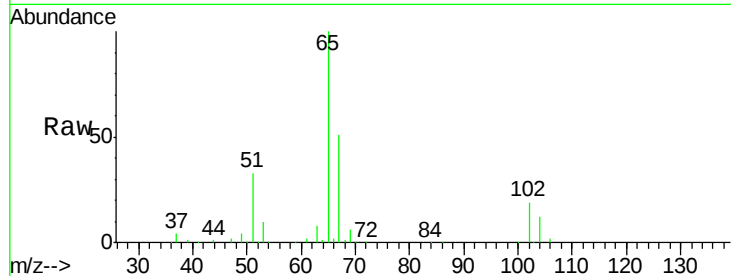




#33
 1,2-Dichloroethane-d4
 Concen: 46.56 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

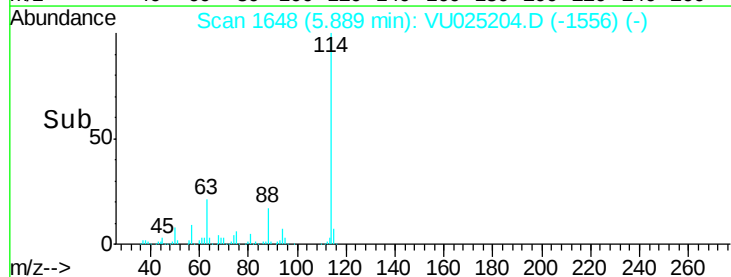
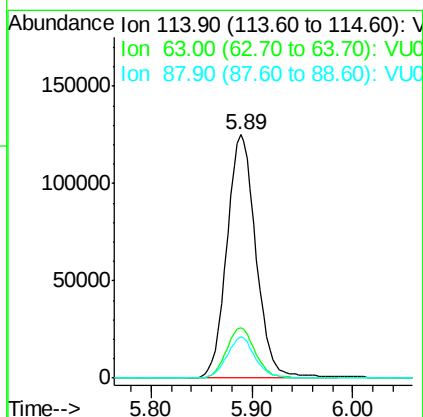
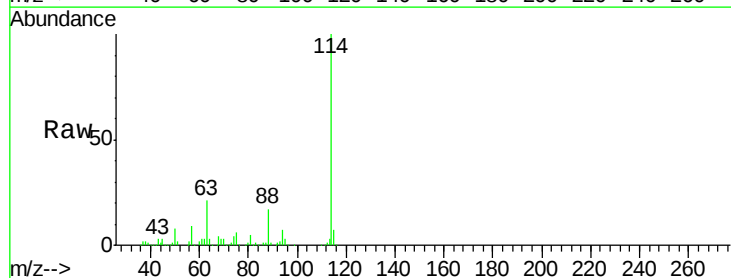
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

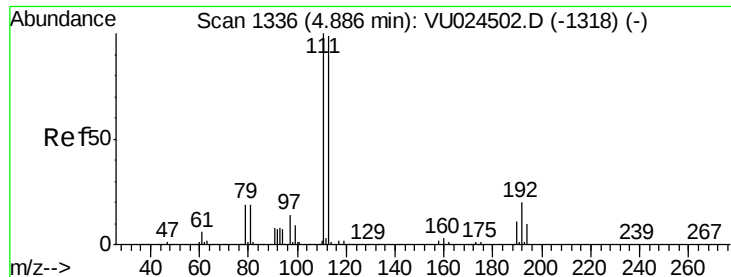
Tot Ion: 65 Resp: 129735
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

Tgt Ion: 114 Resp: 251445
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 45.4
 88 16.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 51.32 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

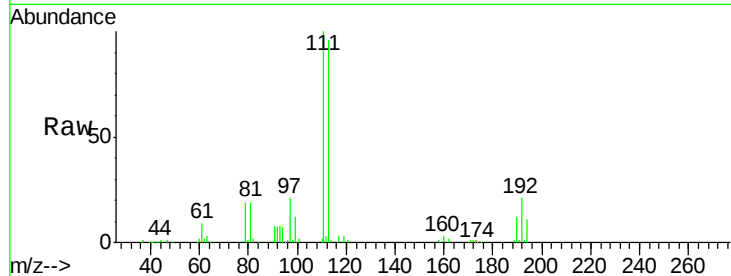
Tot Ion:113 Resp: 107101

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

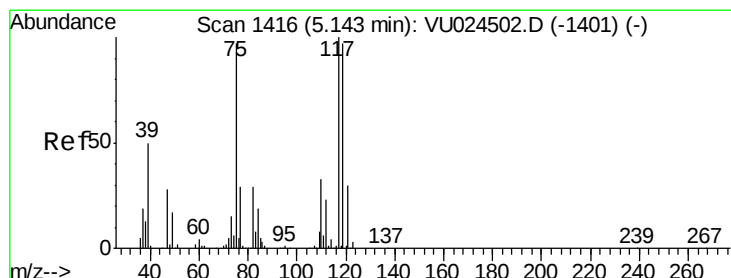
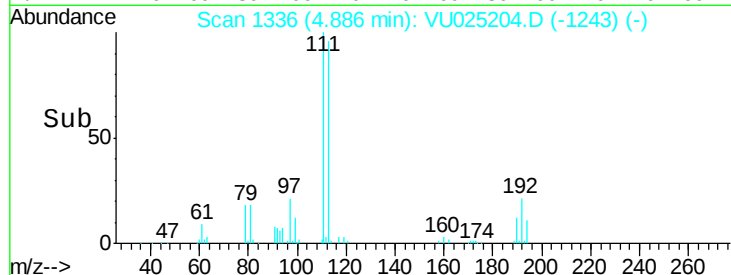
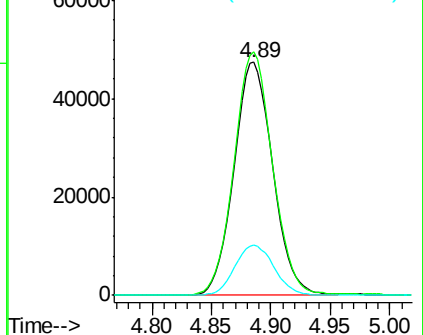
192 21.7 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.46 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

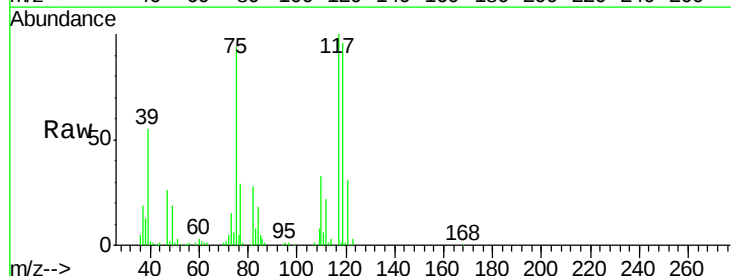
Tgt Ion: 75 Resp: 152053

Ion Ratio Lower Upper

75 100

110 36.0 17.0 50.9

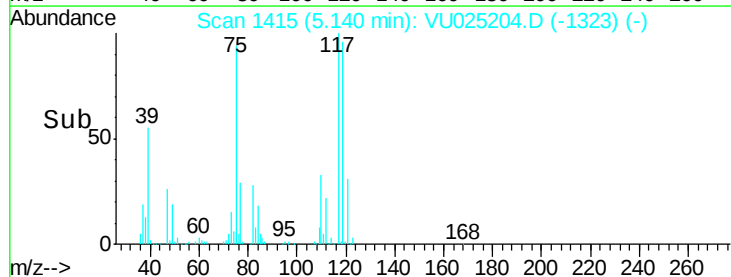
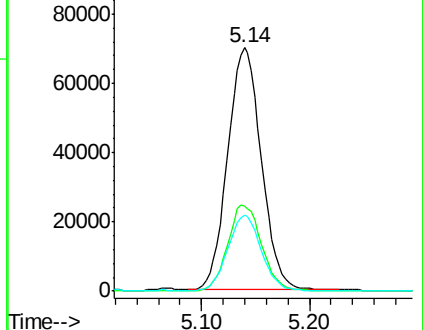
77 30.8 24.2 36.4

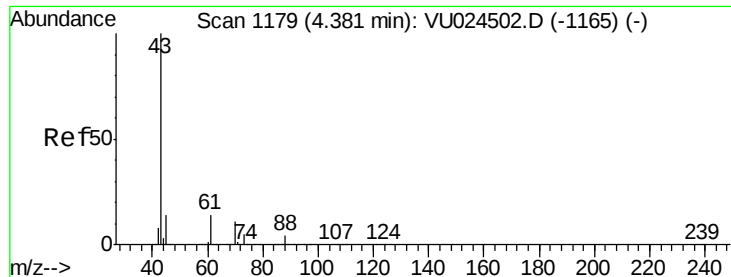


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

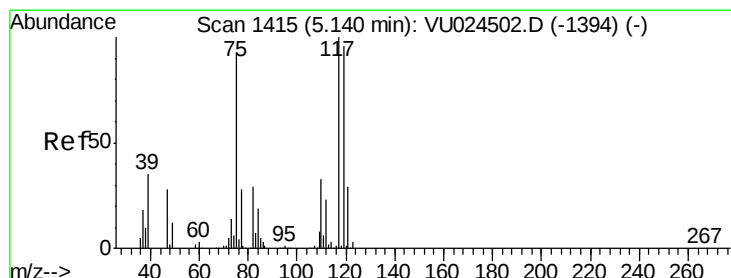
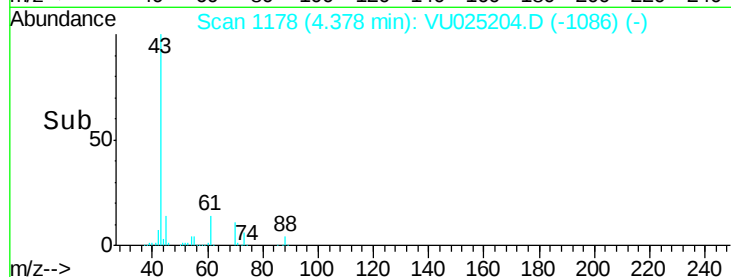
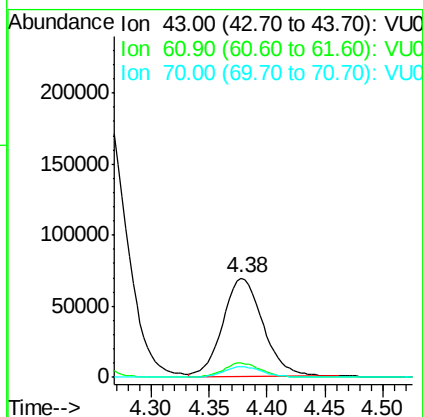
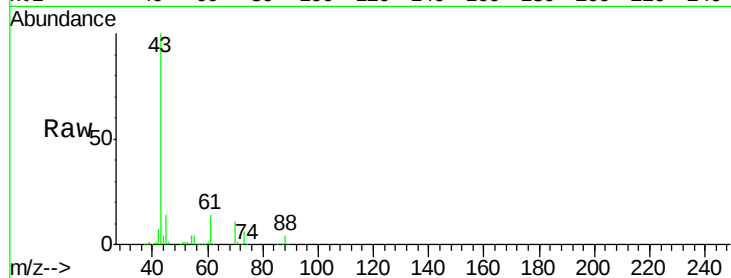




#37
Ethyl Acetate
Concen: 52.08 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

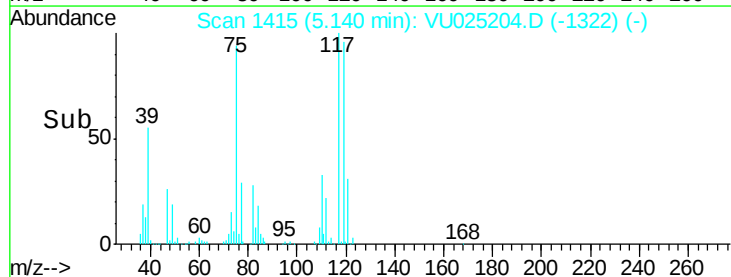
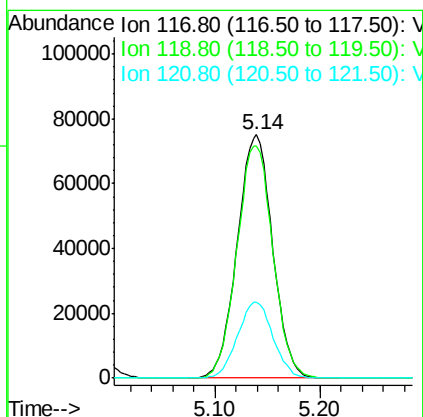
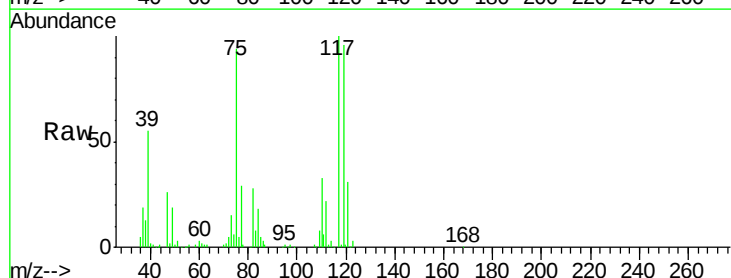
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	167702
Ion Ratio	Lower	Upper	
43	100		
61	14.0	10.5	15.7
70	10.5	7.4	11.2



#38
Carbon Tetrachloride
Concen: 53.77 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

Tgt Ion	117	Resp	174692
Ion Ratio	Lower	Upper	
117	100		
119	95.5	76.1	114.1
121	31.4	23.7	35.5

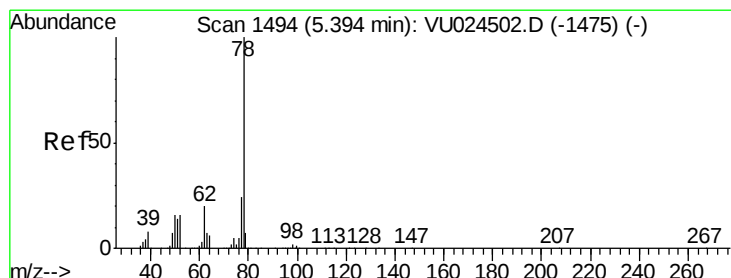
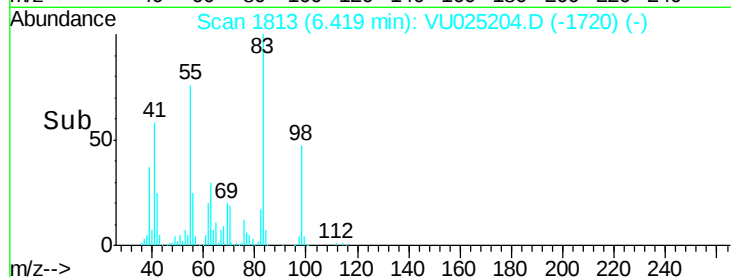
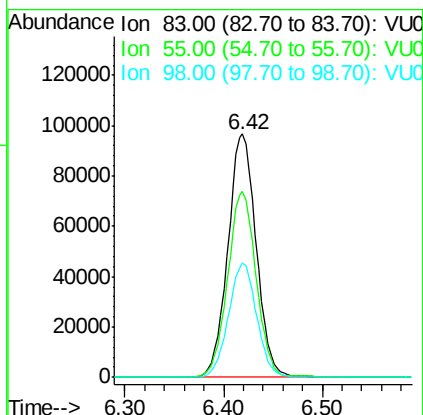
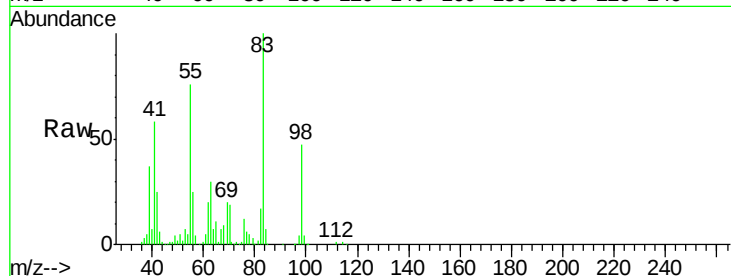




#39
Methvlcvclohexane
Concen: 52.64 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

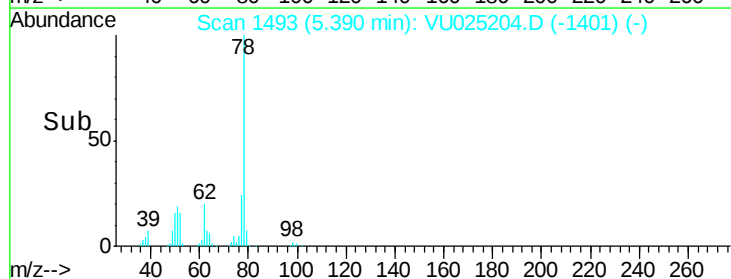
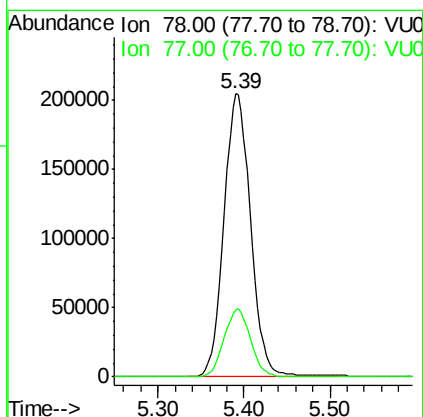
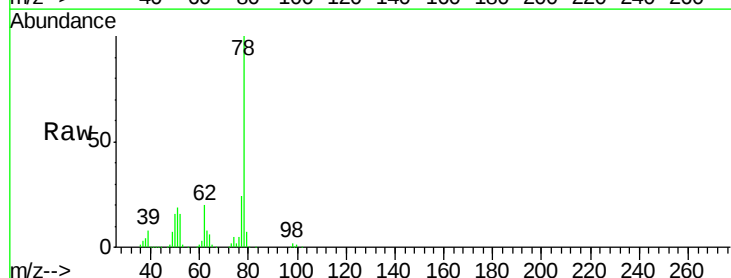
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 194100
Ion Ratio Lower Upper
83 100
55 76.3 65.8 98.6
98 46.7 36.7 55.1



#40
Benzene
Concen: 52.56 ug/l
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

Tgt Ion: 78 Resp: 442550
Ion Ratio Lower Upper
78 100
77 23.6 19.2 28.8

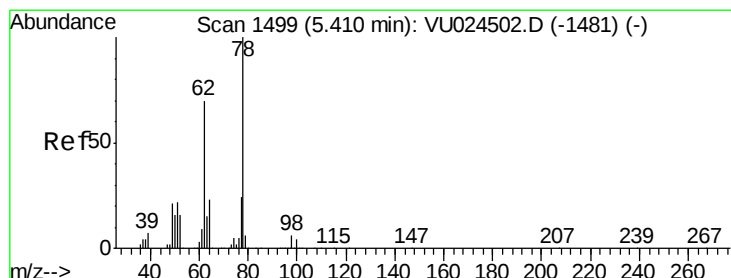
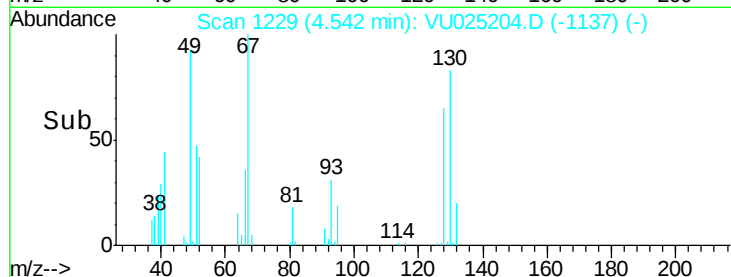
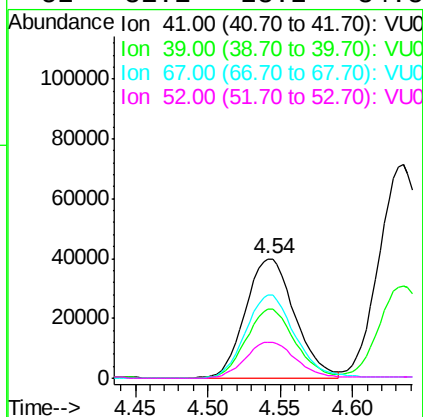
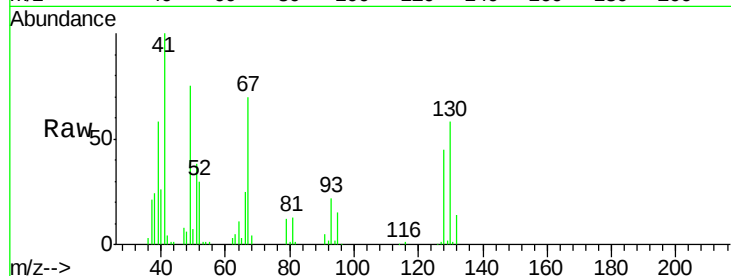




#41
Methacrylonitrile
Concen: 54.66 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

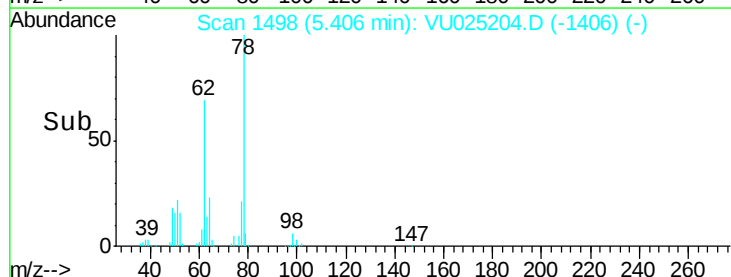
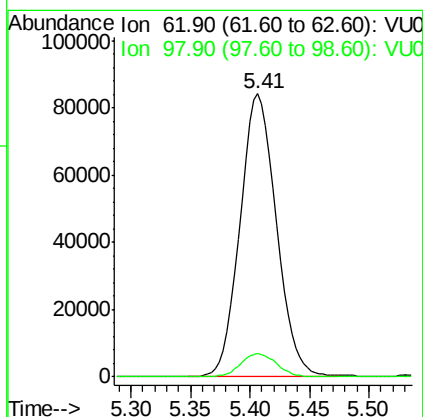
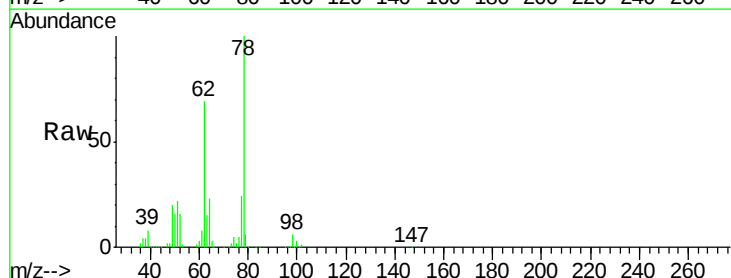
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	94899
Ion	Ratio	Lower	Upper
41	100		
39	57.7	43.8	65.6
67	69.8	56.3	84.5
52	31.1	23.2	34.8



#42
1,2-Dichloroethane
Concen: 55.65 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

Tgt Ion:	62	Resp:	178432
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6

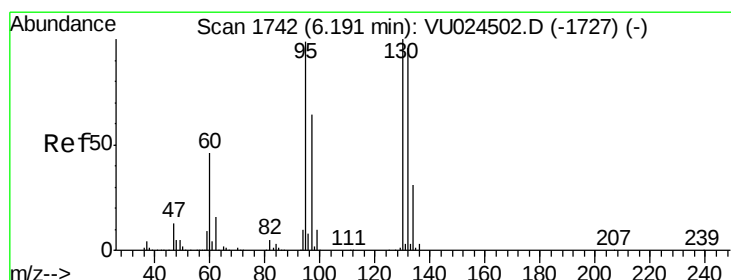
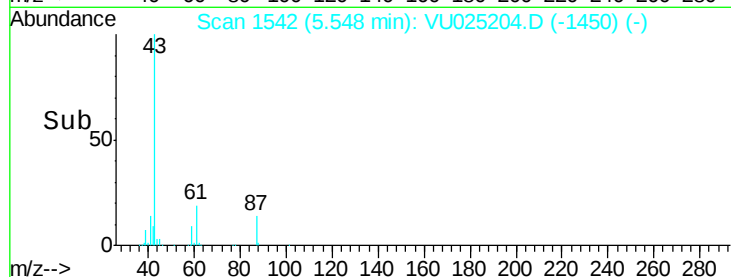
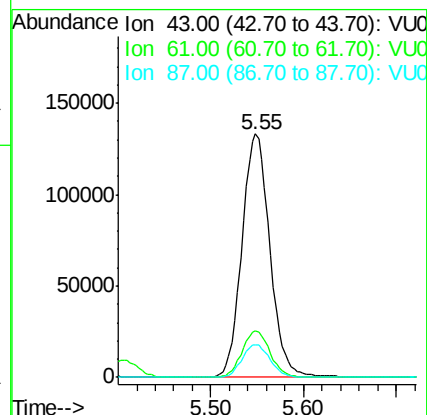
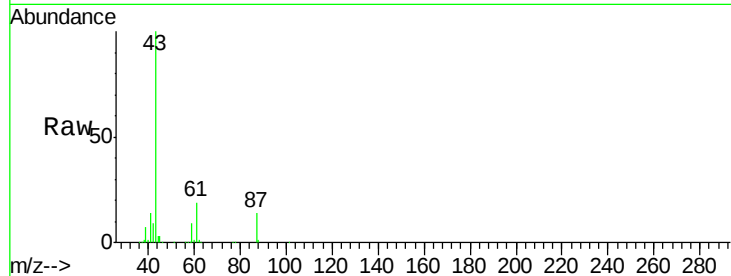




#43
Isopropyl Acetate
Concen: 49.77 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

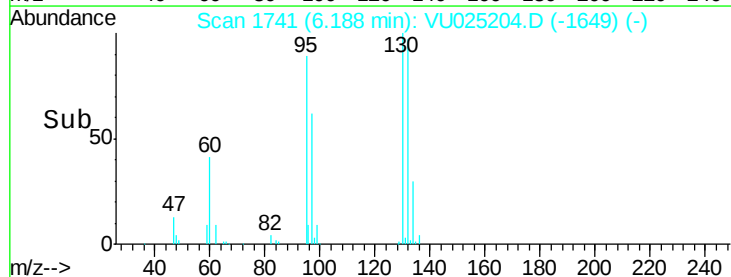
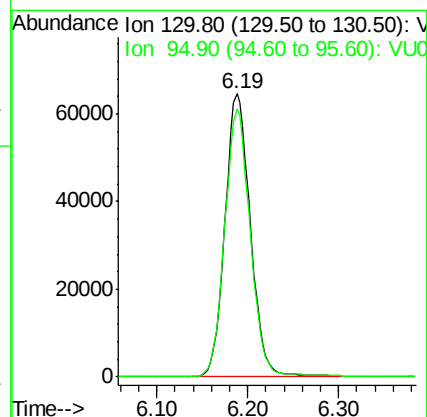
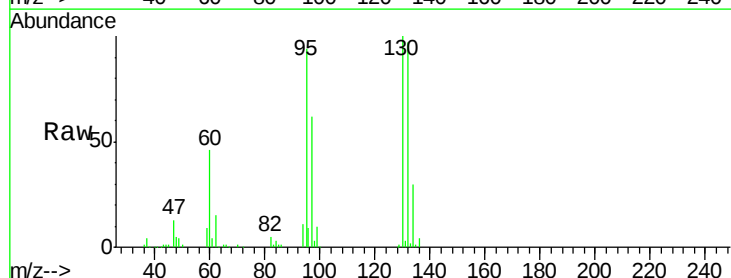
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 277058
Ion Ratio Lower Upper
43 100
61 19.4 15.4 23.0
87 13.5 10.0 15.0



#44
Trichloroethene
Concen: 52.37 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

Tgt Ion:130 Resp: 125481
Ion Ratio Lower Upper
130 100
95 94.5 0.0 202.4

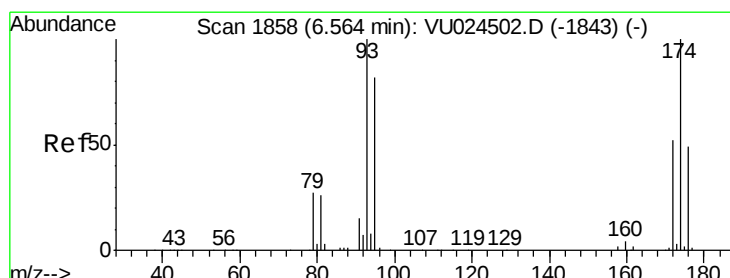
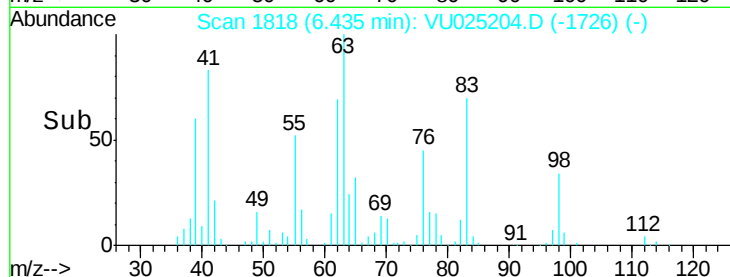
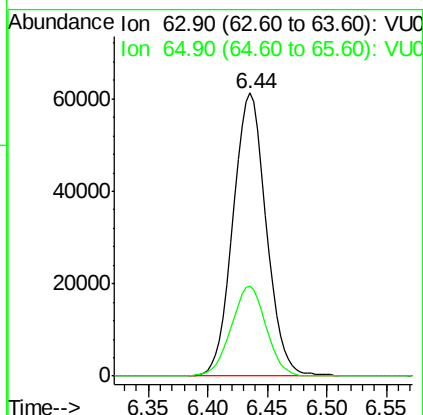
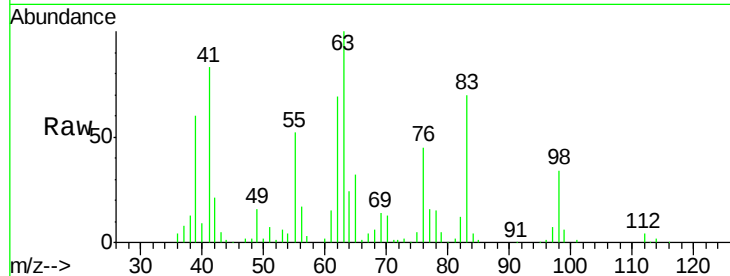




#45
 1,2-Dichloropropane
 Concen: 52.91 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

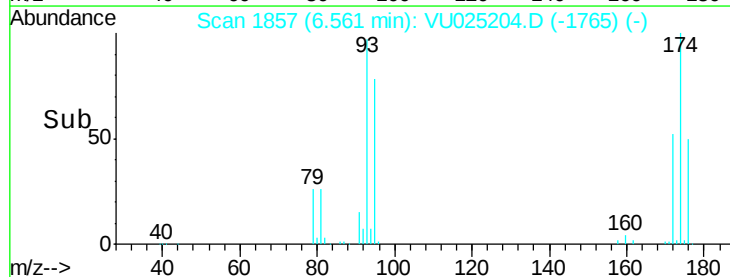
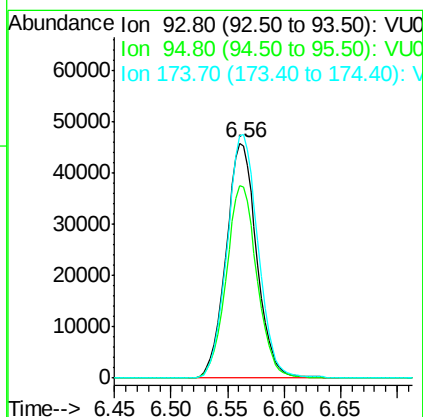
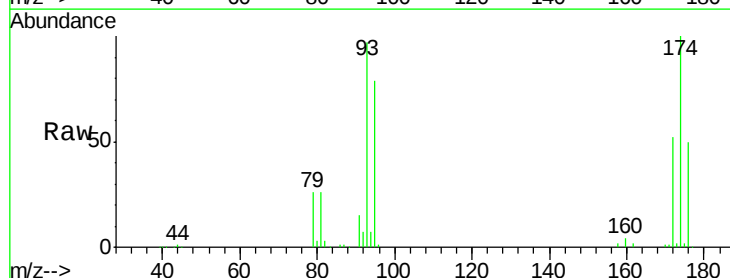
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 118863
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2



#46
 Dibromomethane
 Concen: 54.65 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

Tgt Ion: 93 Resp: 86229
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.5 98.3
 174 105.5 78.7 118.1





#47

Bromodichloromethane

Concen: 52.81 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

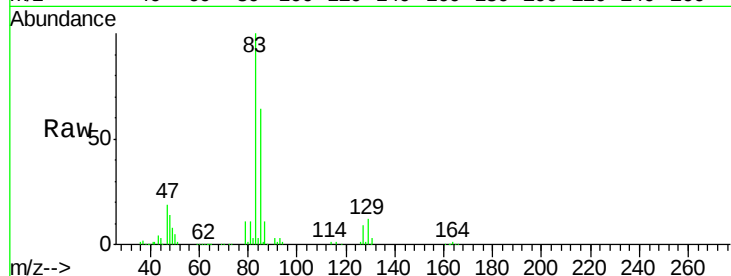
Tot Ion: 83 Resp: 165925

Ion Ratio Lower Upper

83 100

85 64.5 51.9 77.9

127 9.2 6.6 9.8



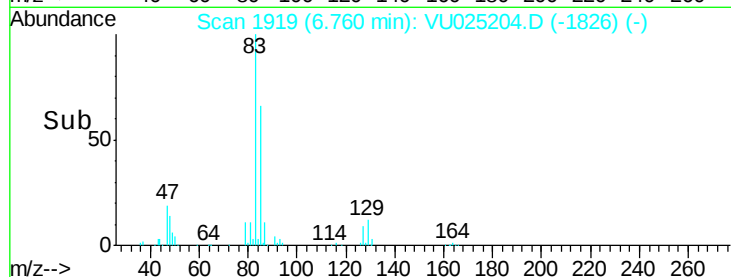
Abundance Ion 82.90 (82.60 to 83.60): VU024502.D (-1905) (-)

Ion 84.90 (84.60 to 85.60): VU024502.D (-1905) (-)

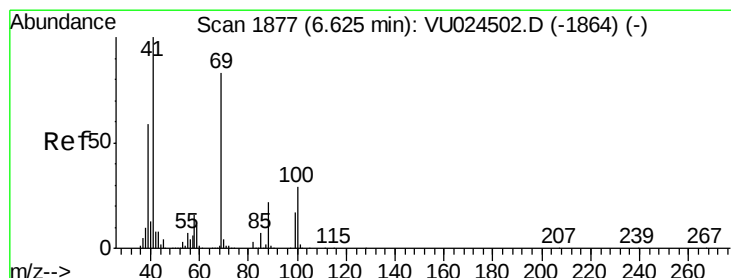
Ion 126.80 (126.50 to 127.50): VU024502.D (-1905) (-)

6.76

Time-->



Time-->



#48

Methyl methacrylate

Concen: 53.92 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

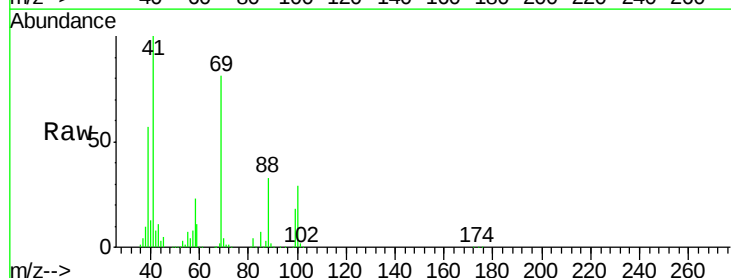
Tgt Ion: 41 Resp: 146149

Ion Ratio Lower Upper

41 100

69 80.3 67.3 100.9

39 57.2 46.5 69.7



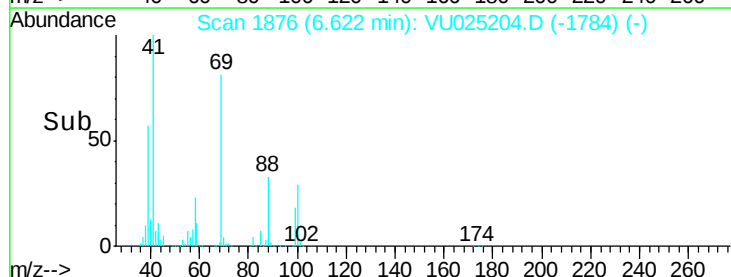
Abundance Ion 41.00 (40.70 to 41.70): VU024502.D (-1864) (-)

Ion 69.00 (68.70 to 69.70): VU024502.D (-1864) (-)

Ion 39.00 (38.70 to 39.70): VU024502.D (-1864) (-)

6.62

Time-->



Time-->



#49

1,4-Dioxane

Concen: 1152.58 ug/l

RT: 6.61 min Scan# 1873

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

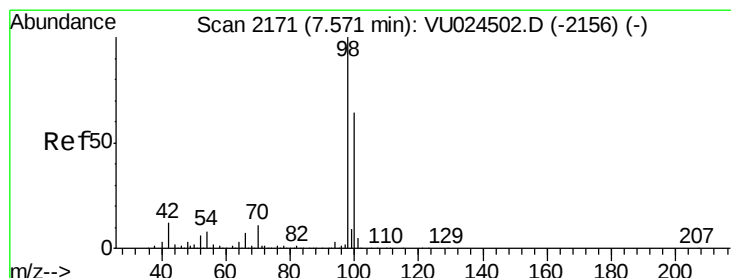
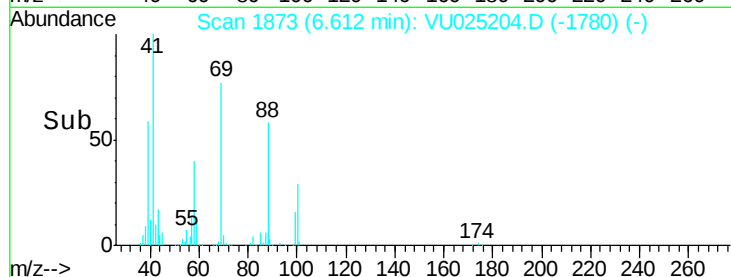
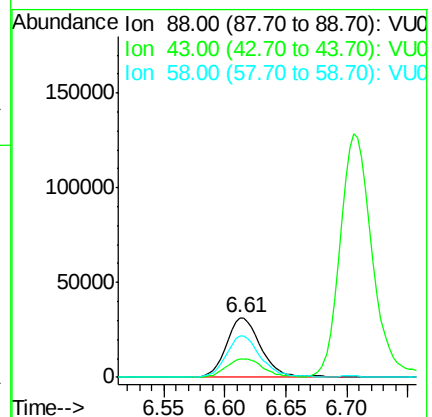
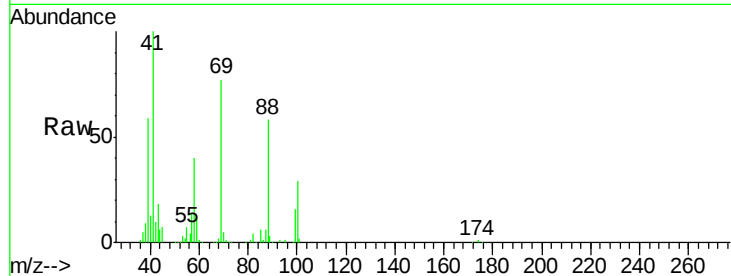
Tot Ion: 88 Resp: 61097

Ion Ratio Lower Upper

88 100

43 32.7 28.6 42.8

58 70.7 58.2 87.4



#50

Toluene-d8

Concen: 44.74 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025204.D

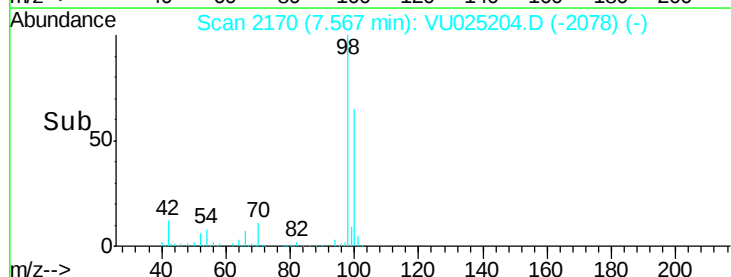
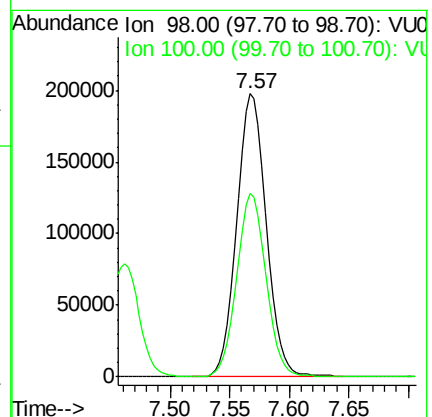
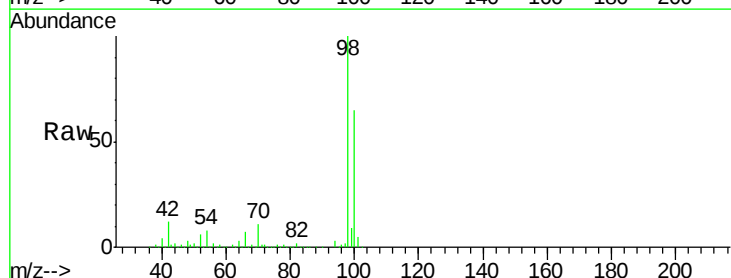
Acq: 05 Jul 2018 10:08

Tgt Ion: 98 Resp: 340552

Ion Ratio Lower Upper

98 100

100 64.5 51.1 76.7

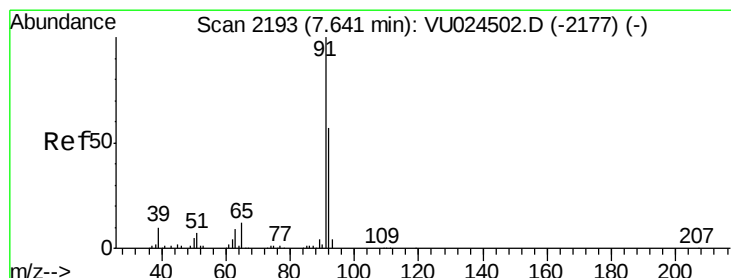
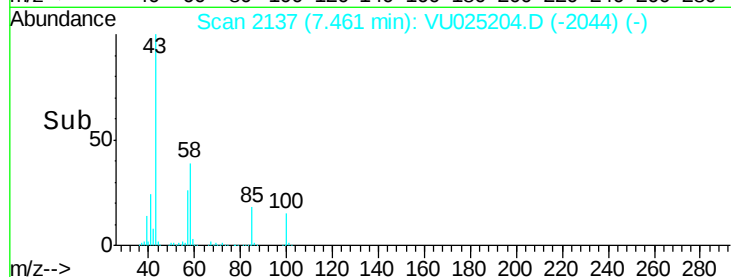
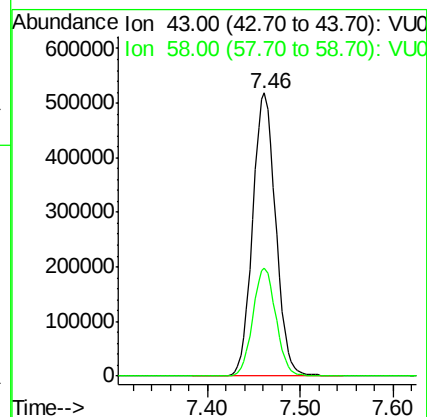
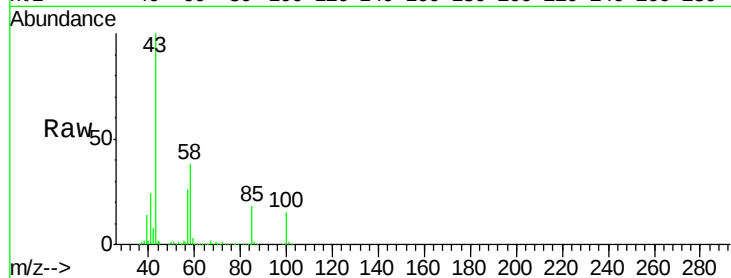




#51
 4-Methyl-2-Pentanone
 Concen: 255.16 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

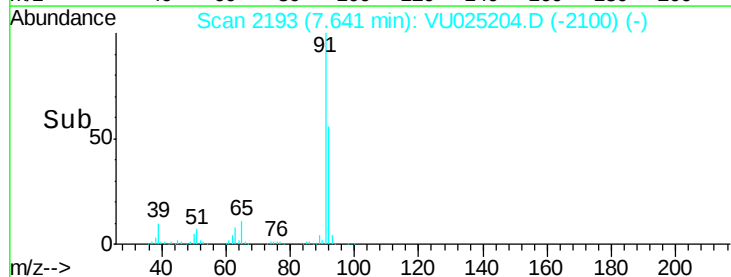
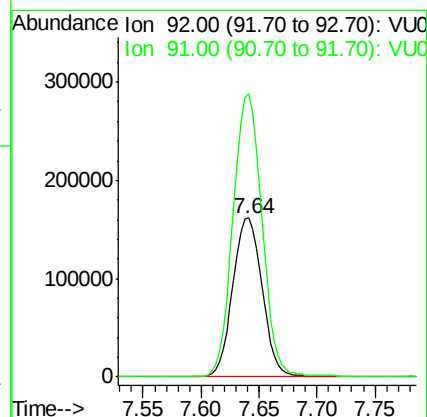
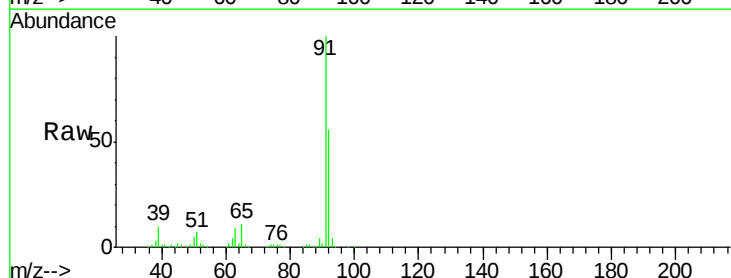
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

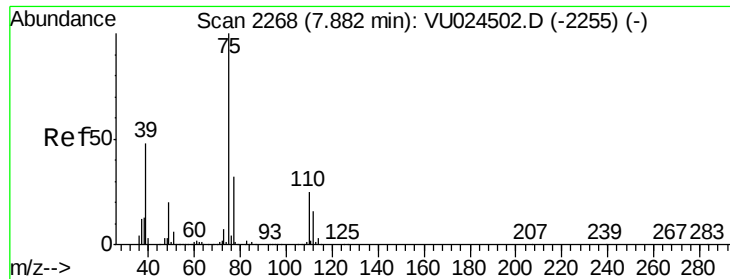
Tot Ion: 43 Resp: 892360
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.0 45.0



#52
 Toluene
 Concen: 52.85 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

Tgt Ion: 92 Resp: 286258
 Ion Ratio Lower Upper
 92 100
 91 175.4 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 52.40 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

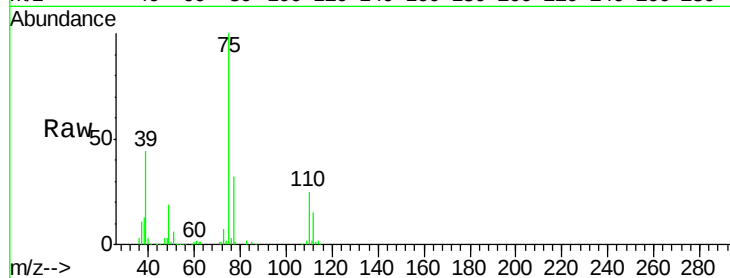
VSTDCCC050

Tot Ion: 75 Resp: 184899

Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

120000

100000

80000

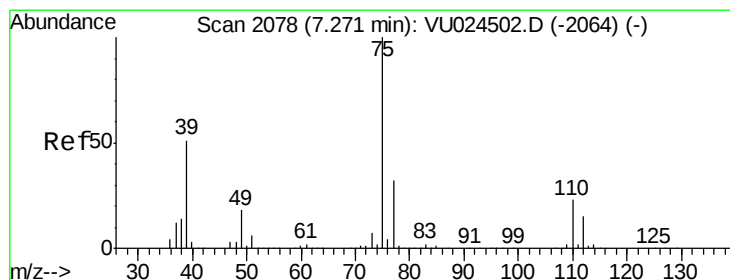
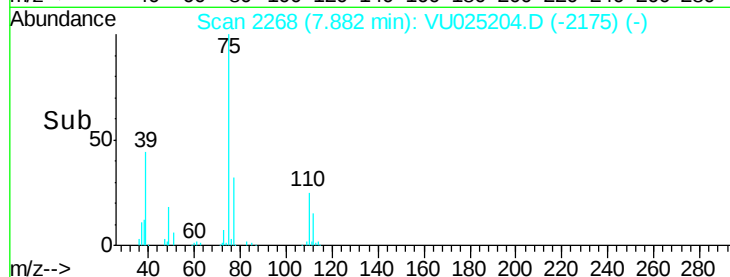
60000

40000

20000

0

Time--> 7.80 7.85 7.90 7.95



#54

cis-1,3-Dichloropropene

Concen: 51.43 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

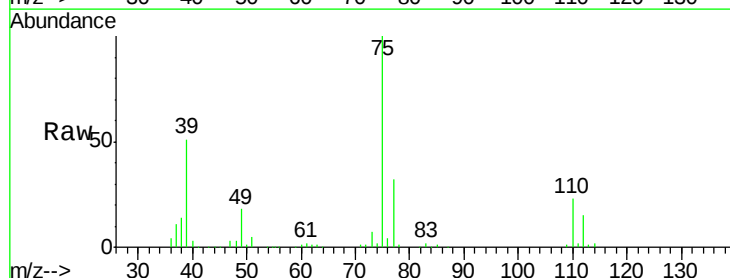
Tgt Ion: 75 Resp: 193386

Ion Ratio Lower Upper

75 100

77 32.4 24.6 36.8

39 51.2 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

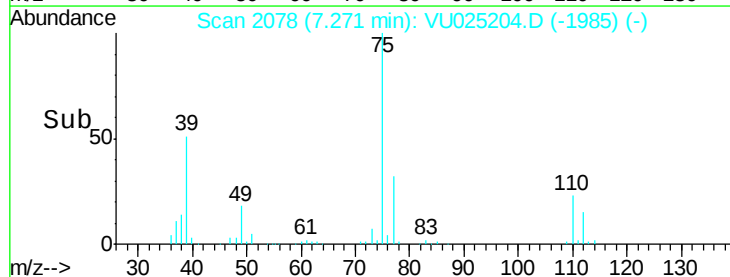
150000

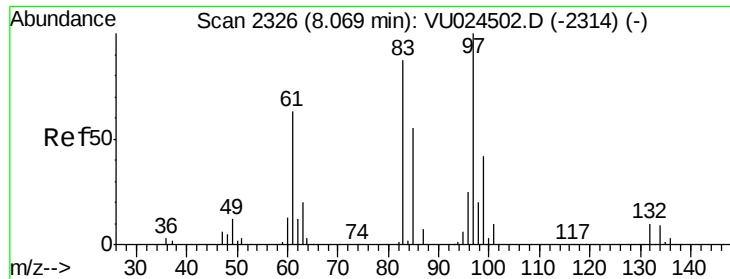
100000

50000

0

Time--> 7.20 7.30 7.40

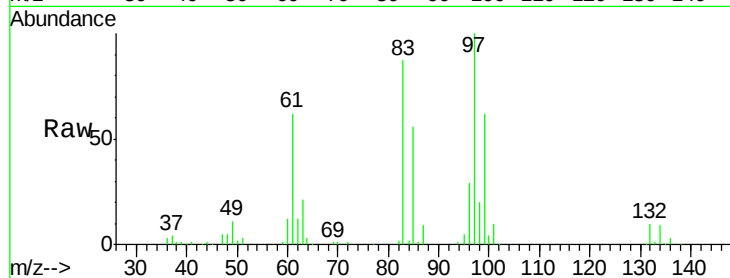




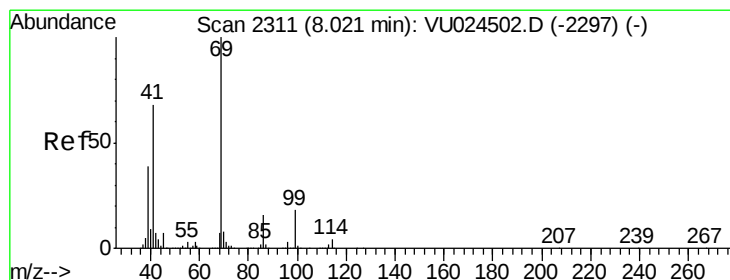
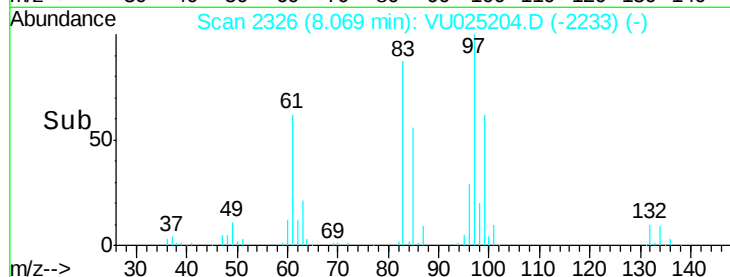
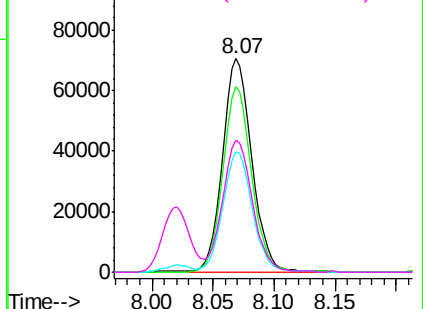
#55
 1,1,2-Trichloroethane
 Concen: 53.78 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	118417
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.5	105.7
85	56.4	46.4	69.6
99	61.7	50.2	75.2

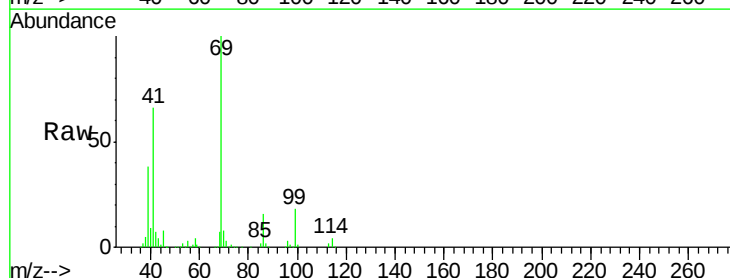


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

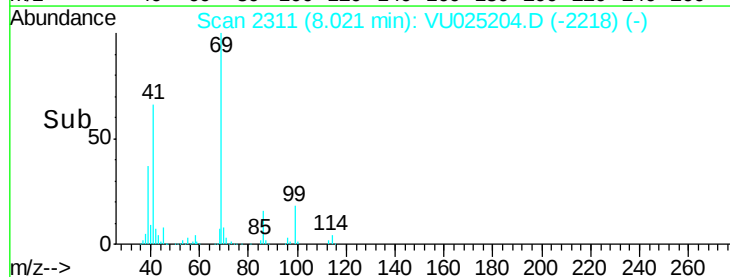
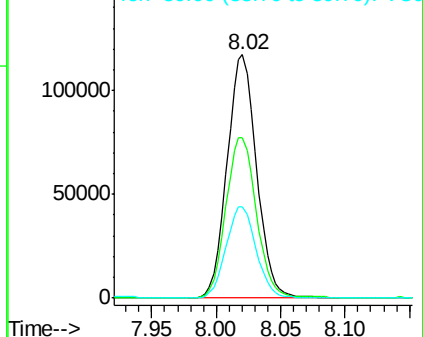


#56
 Ethyl methacrylate
 Concen: 50.62 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

Tgt Ion:	69	Resp:	186552
Ion	Ratio	Lower	Upper
69	100		
41	68.3	54.1	81.1
39	38.0	30.3	45.5



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





#57

1,3-Dichloropropane

Concen: 54.05 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

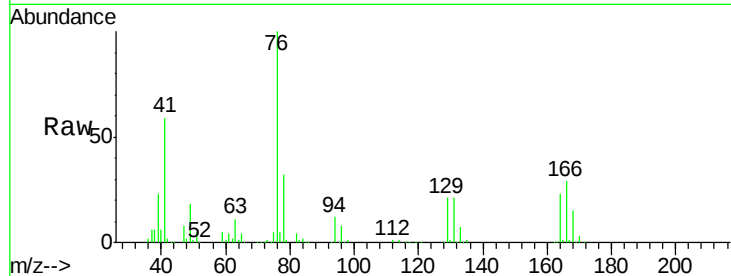
VSTDCCC050

Tot Ion: 76 Resp: 200743

Ion Ratio Lower Upper

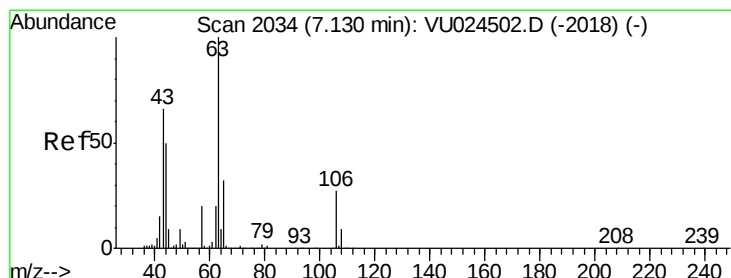
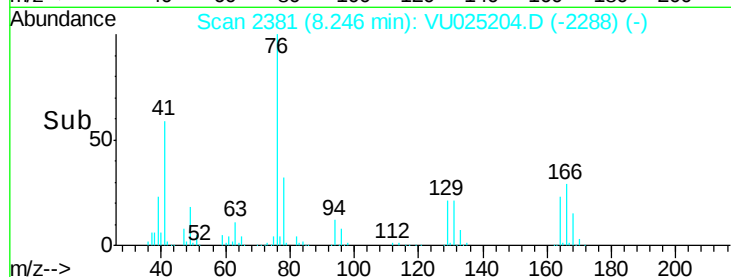
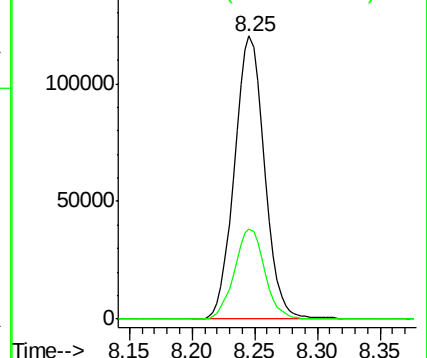
76 100

78 32.1 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 234.10 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025204.D

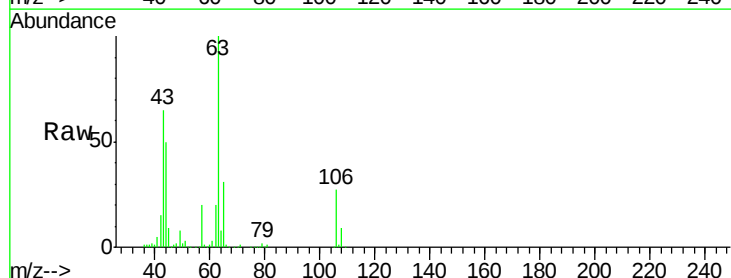
Acq: 05 Jul 2018 10:08

Tgt Ion: 63 Resp: 330504

Ion Ratio Lower Upper

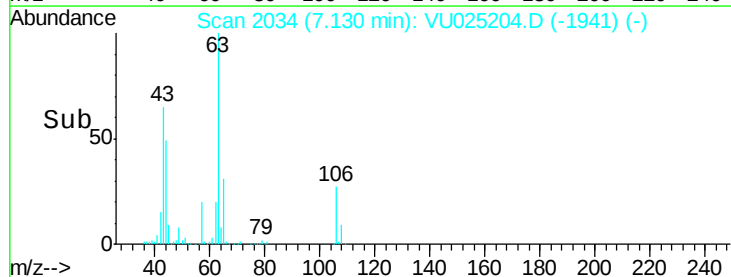
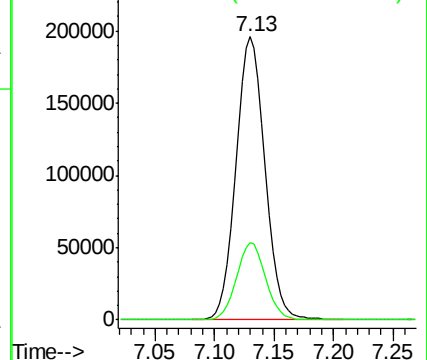
63 100

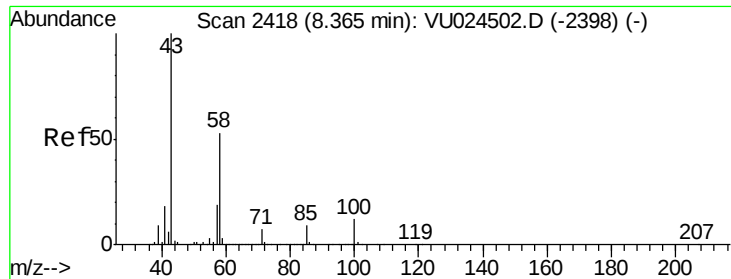
106 27.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

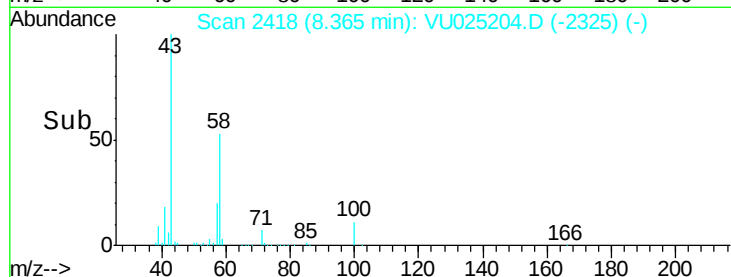
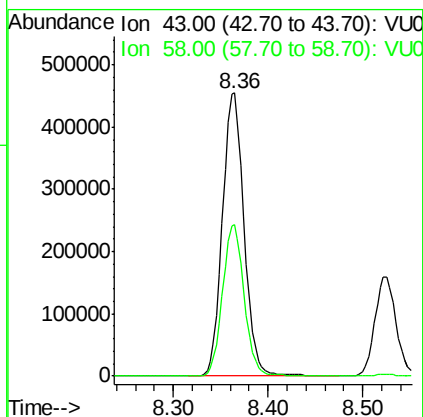
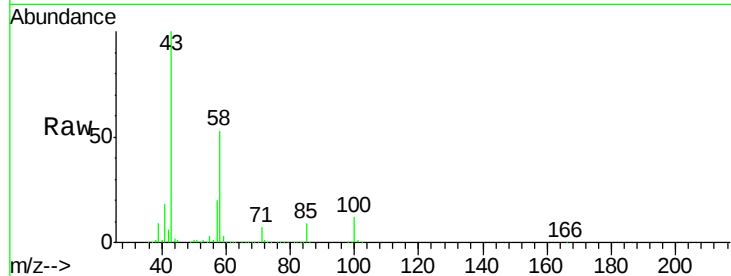




#59
2-Hexanone
Concen: 253.42 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

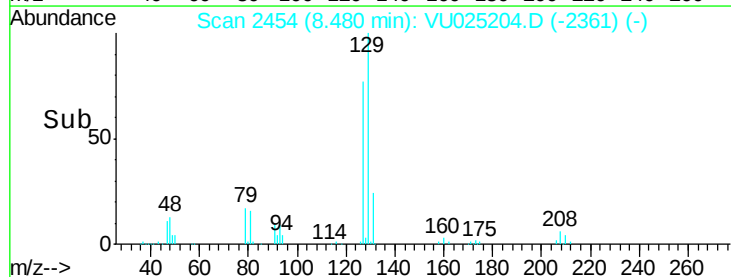
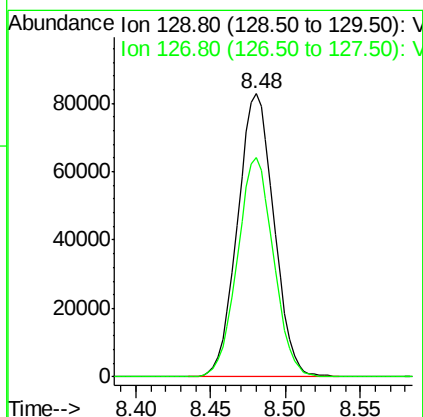
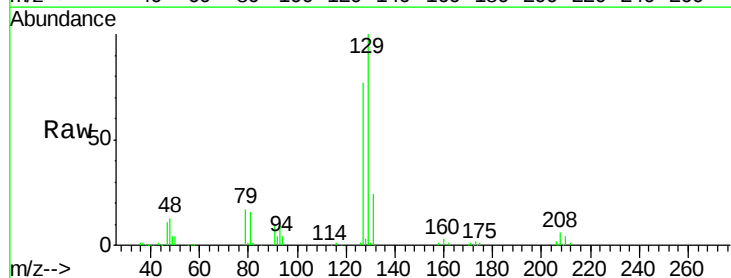
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 723547
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0



#60
Dibromochloromethane
Concen: 51.16 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

Tgt Ion: 129 Resp: 140470
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 52.96 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

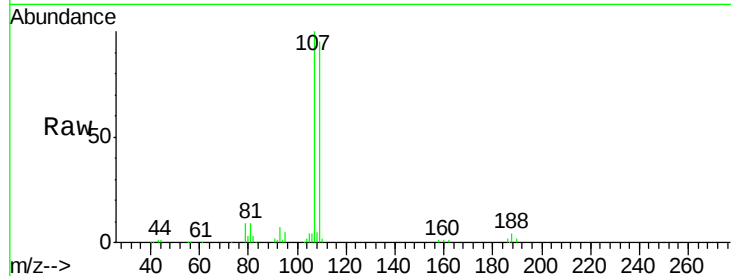
VSTDCCC050

Tot Ion:107 Resp: 129777

Ion Ratio Lower Upper

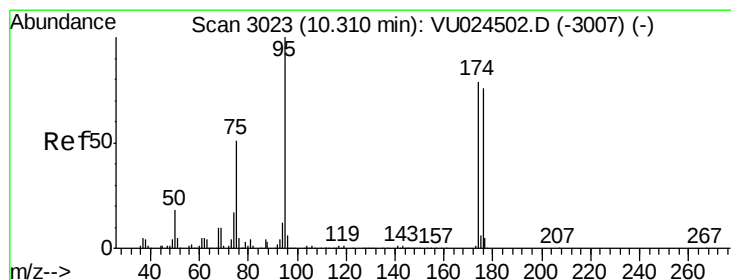
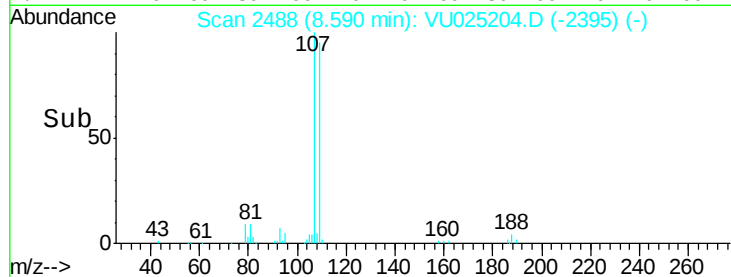
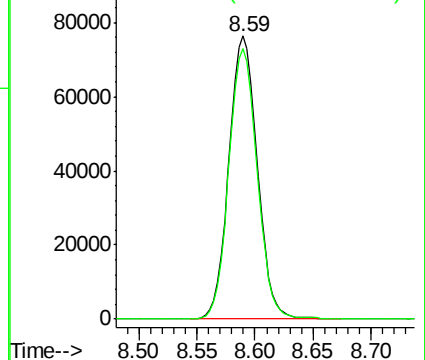
107 100

109 95.2 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.10 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

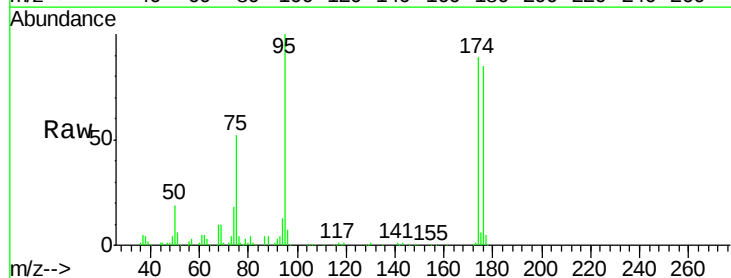
Tgt Ion: 95 Resp: 151417

Ion Ratio Lower Upper

95 100

174 87.3 0.0 165.8

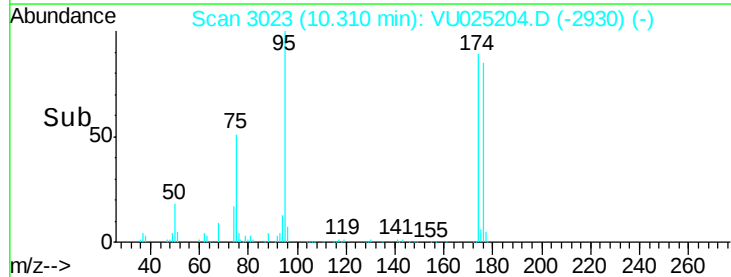
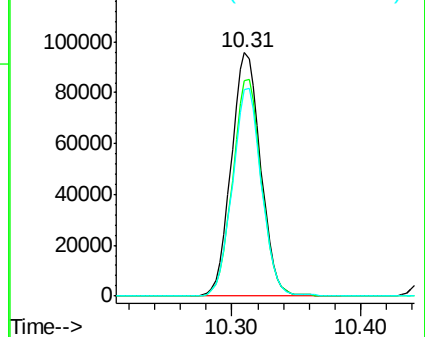
176 84.2 0.0 159.4

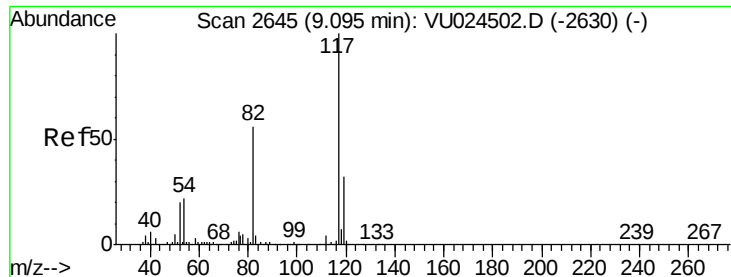


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

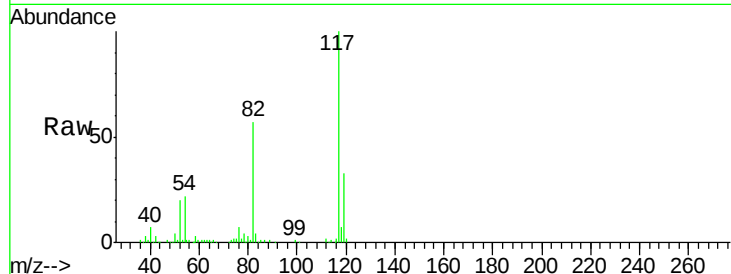




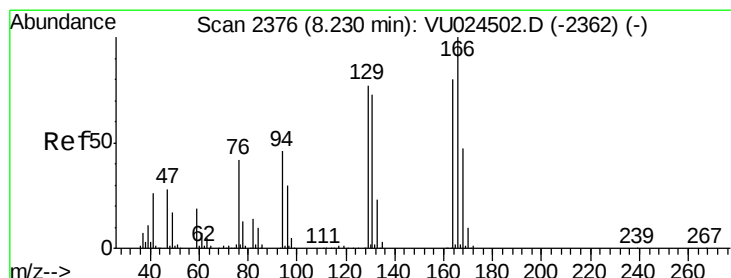
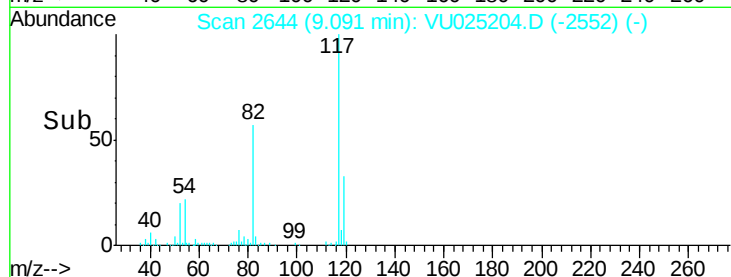
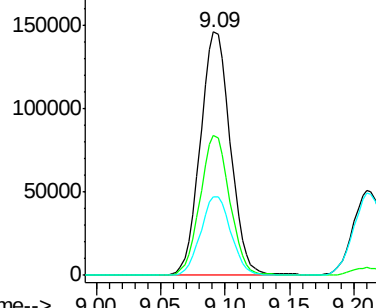
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.3	66.5
119	32.5	25.4	38.2



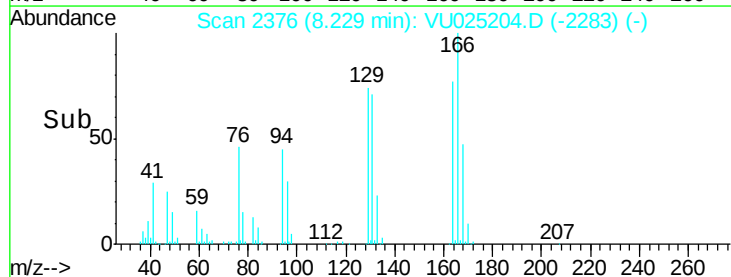
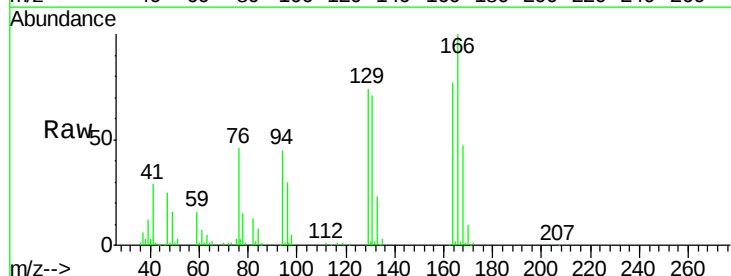
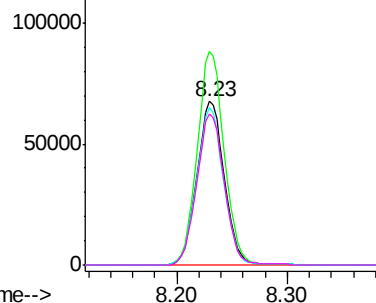
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.80 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	101.7	152.5
129	96.1	76.9	115.3
131	92.1	74.9	112.3

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

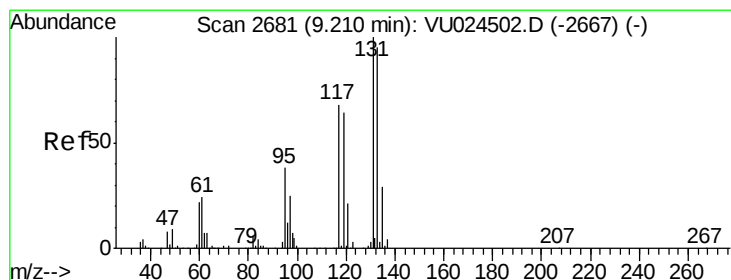
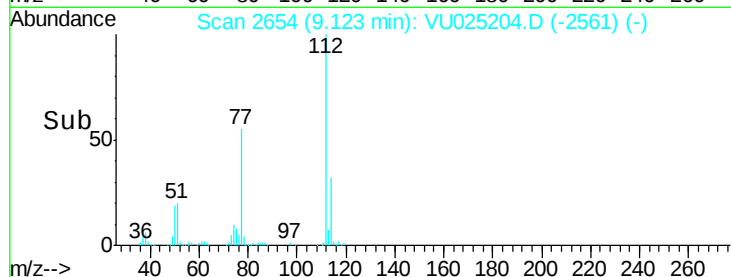
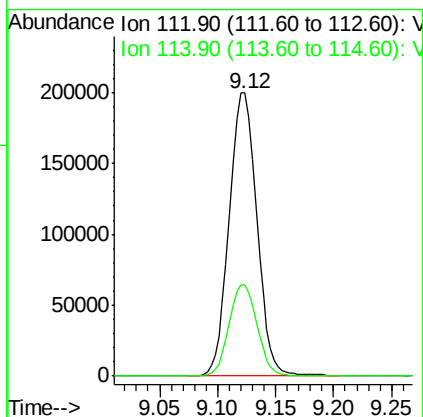
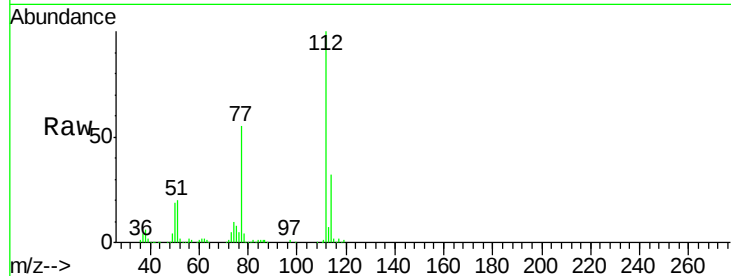




#65
Chlorobenzene
Concen: 54.73 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

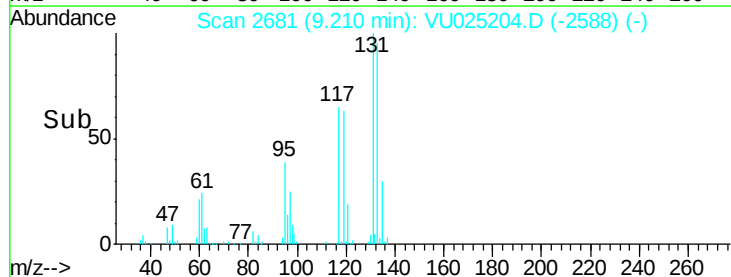
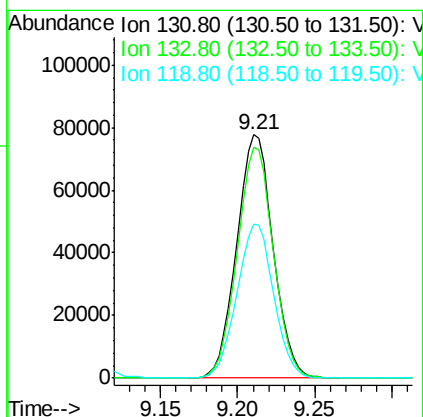
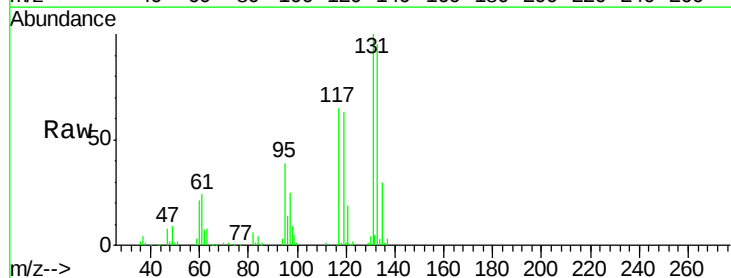
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

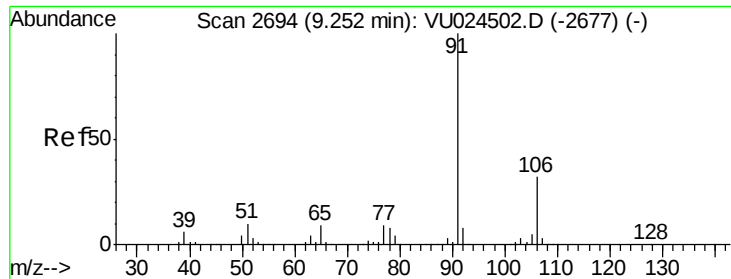
Tot Ion:112 Resp: 330453
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 55.43 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

Tgt Ion:131 Resp: 127162
Ion Ratio Lower Upper
131 100
133 94.4 46.9 140.8
119 63.8 33.5 100.4

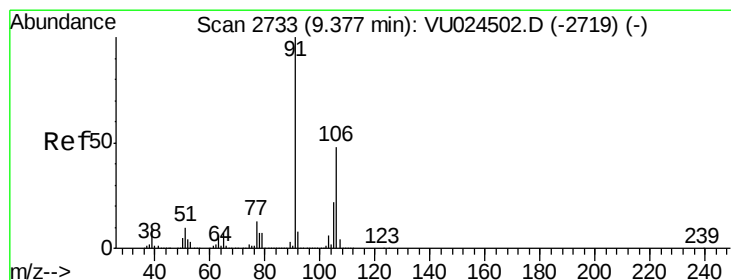
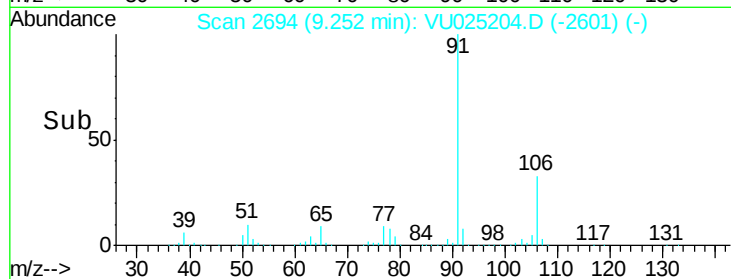
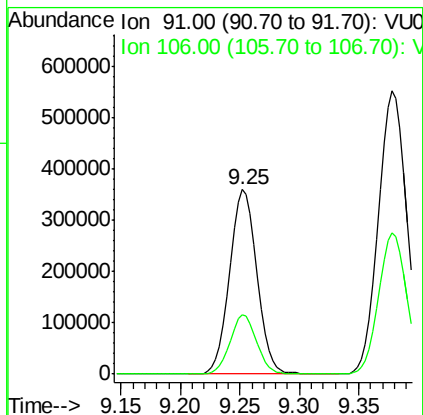
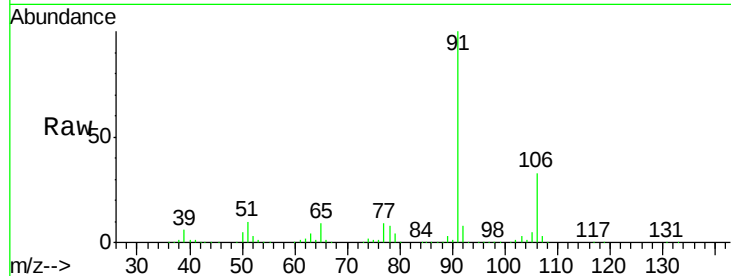




#67
Ethyl Benzene
Concen: 54.17 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

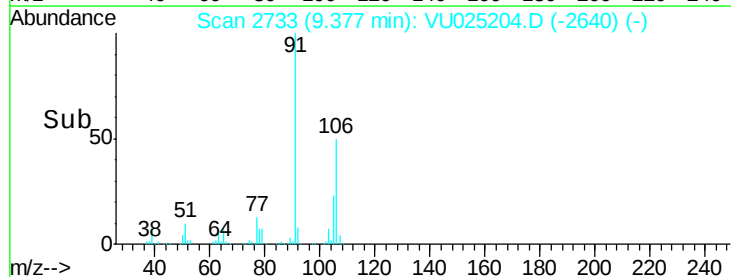
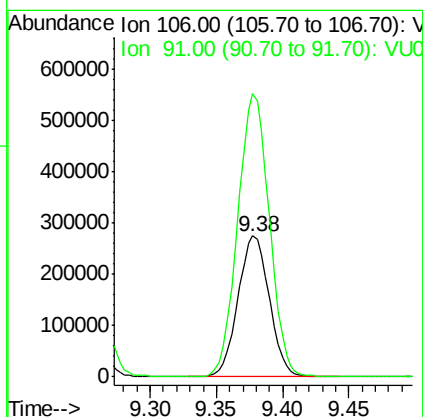
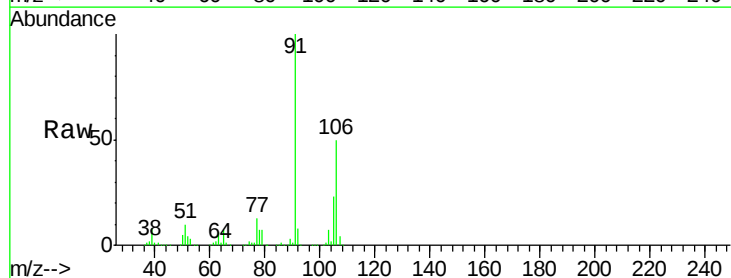
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 573386
Ion Ratio Lower Upper
91 100
106 32.6 24.2 36.4



#68
m/p-Xylenes
Concen: 110.90 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

Tgt Ion: 106 Resp: 450789
Ion Ratio Lower Upper
106 100
91 203.2 166.5 249.7

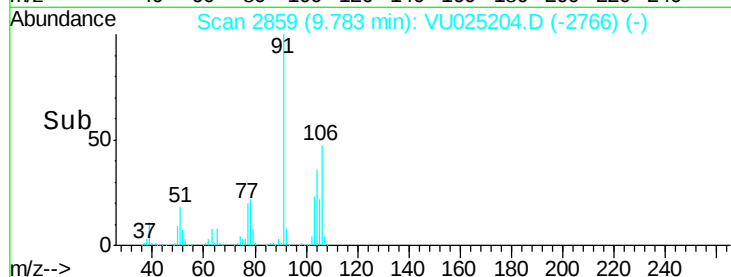
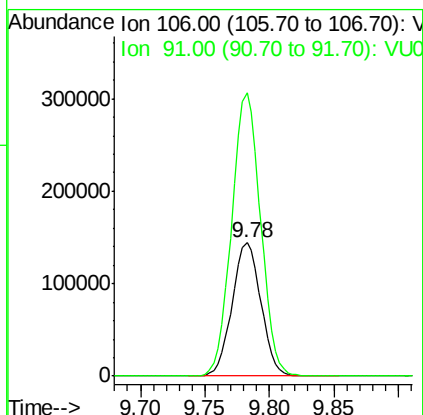
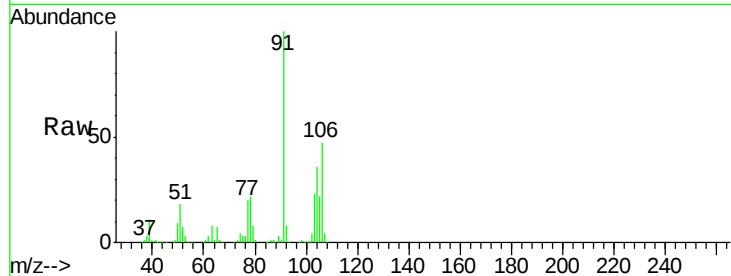




#69
o-Xylene
Concen: 55.63 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

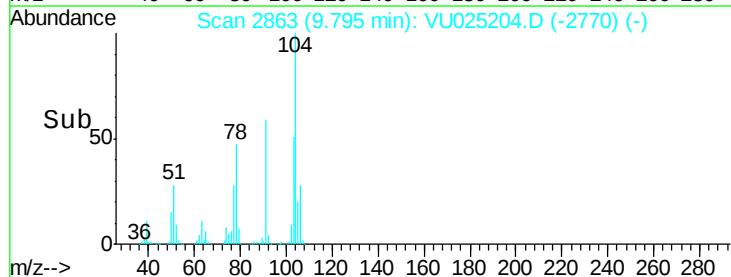
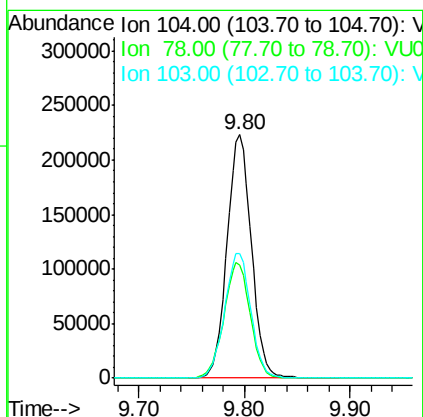
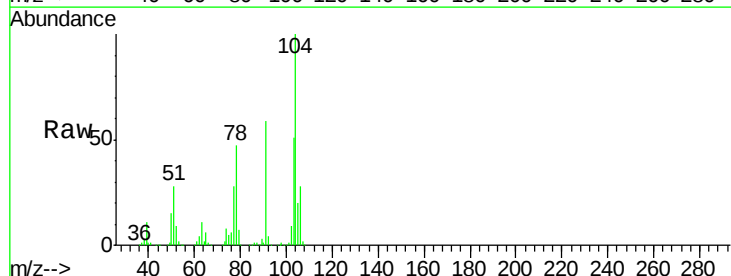
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

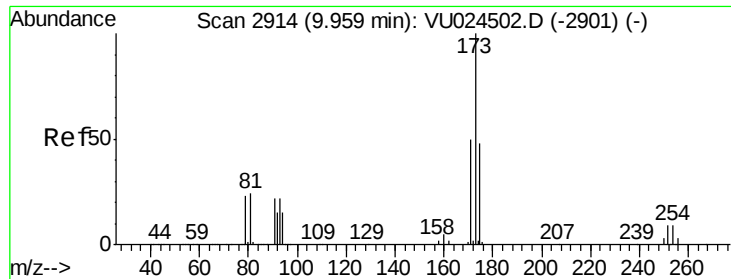
Tot Ion:106 Resp: 223790
Ion Ratio Lower Upper
106 100
91 213.1 110.7 331.9



#70
Styrene
Concen: 53.96 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

Tgt Ion:104 Resp: 356717
Ion Ratio Lower Upper
104 100
78 51.1 40.6 60.8
103 55.2 44.7 67.1





#71

Bromoform

Concen: 51.54 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

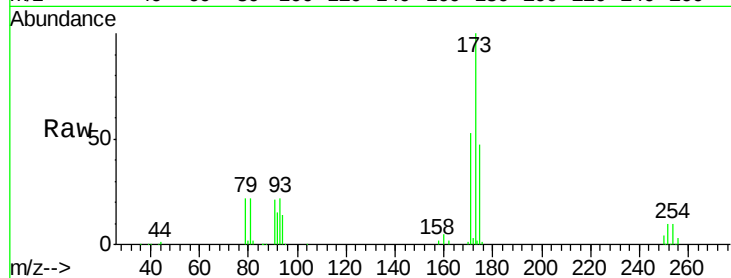
Tot Ion:173 Resp: 112394

Ion Ratio Lower Upper

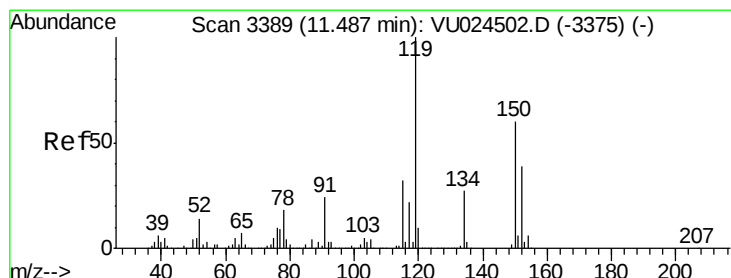
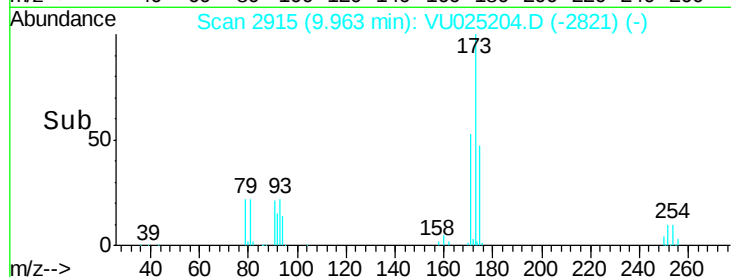
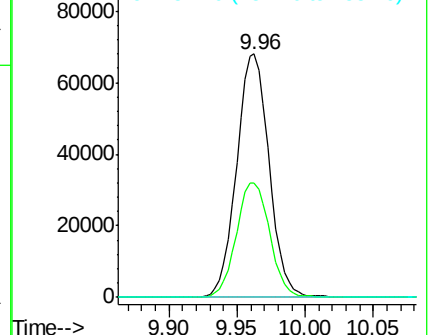
173 100

175 48.6 24.6 74.0

254 0.1 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: VU025204.D

Acq: 05 Jul 2018 10:08

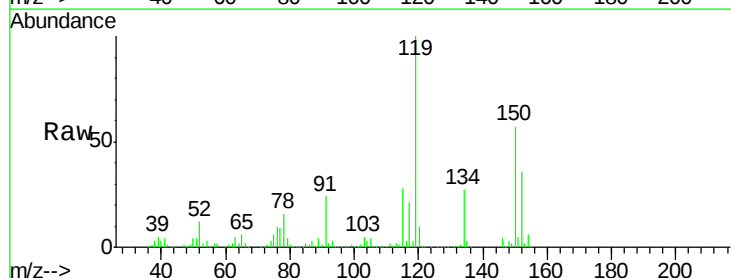
Tgt Ion:152 Resp: 149368

Ion Ratio Lower Upper

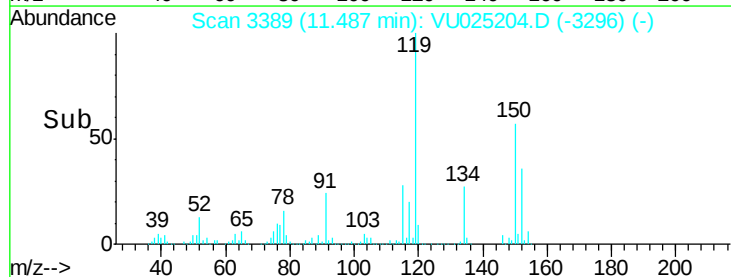
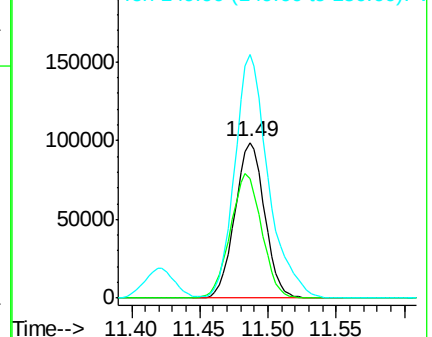
152 100

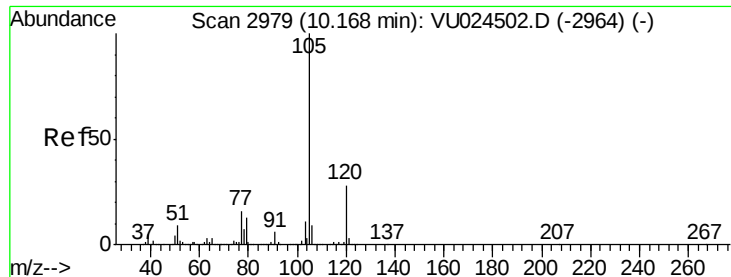
115 84.4 43.0 129.0

150 177.0 0.0 354.0



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: 52.46 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

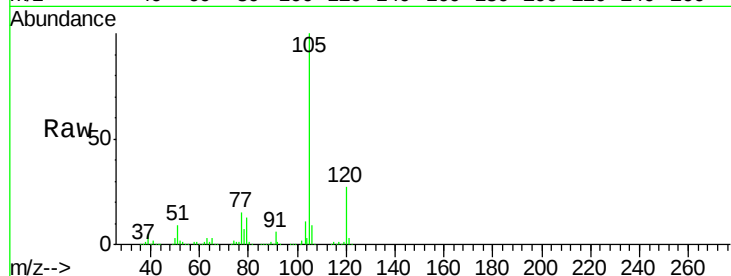
VSTDCCC050

Tot Ion:105 Resp: 601607

Ion Ratio Lower Upper

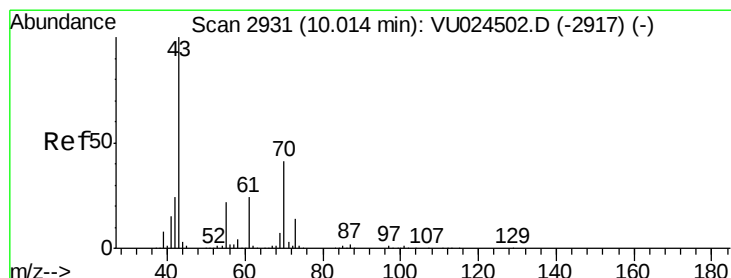
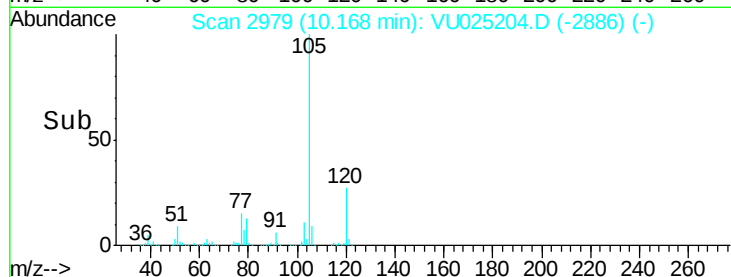
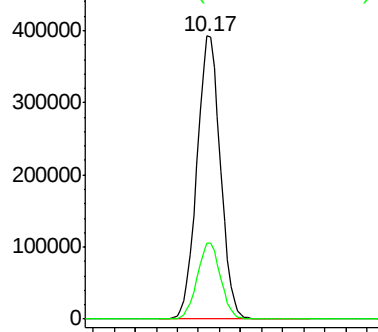
105 100

120 26.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.09 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Tgt Ion: 43 Resp: 251426

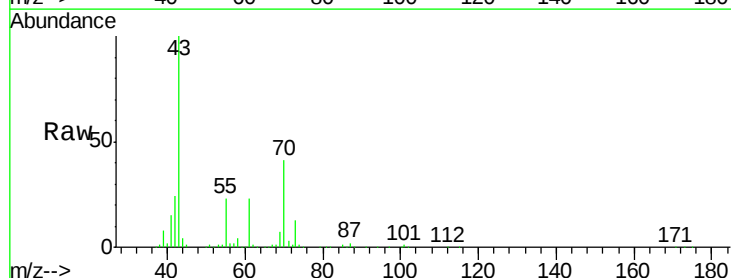
Ion Ratio Lower Upper

43 100

70 41.0 32.2 48.4

55 23.4 20.5 30.7

61 23.5 18.7 28.1

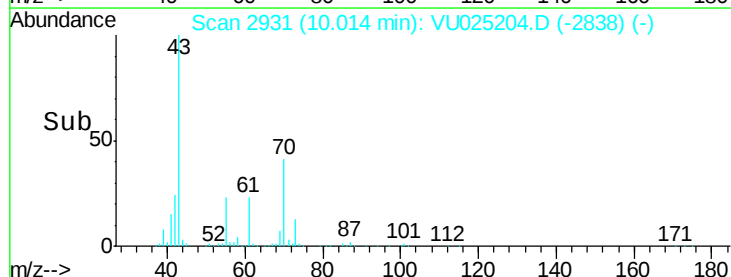
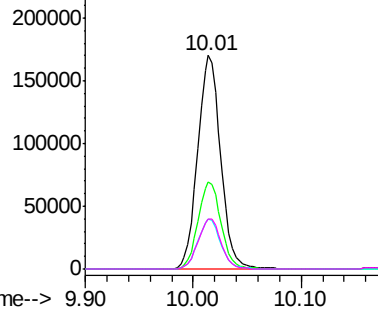


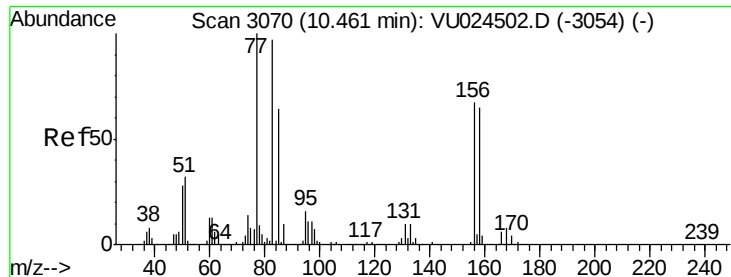
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.83 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

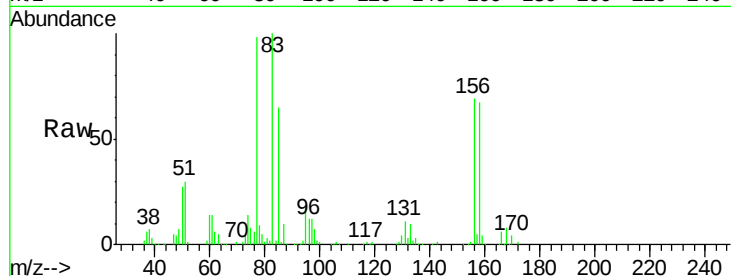
Tot Ion: 83 Resp: 195326

Ion Ratio Lower Upper

83 100

131 10.3 4.7 14.1

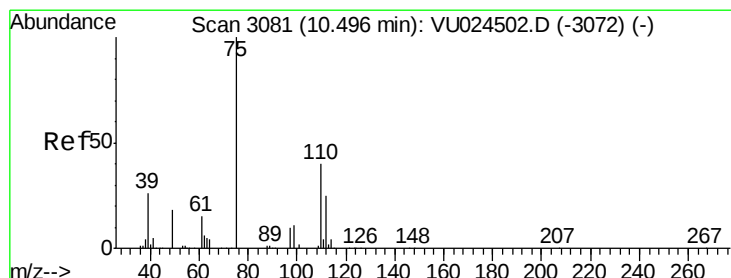
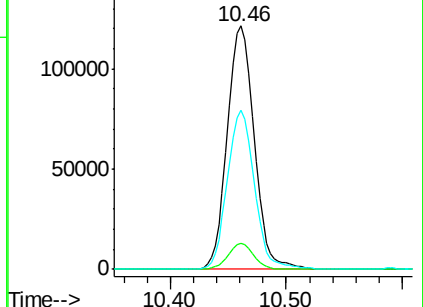
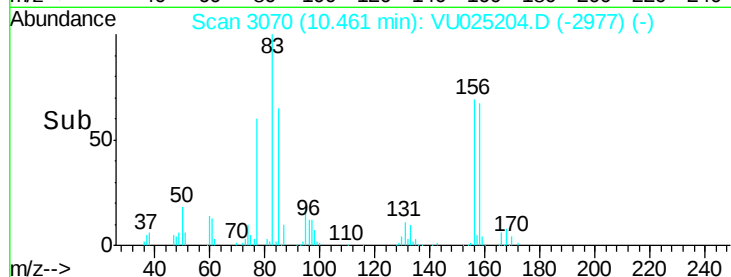
85 65.6 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU025204.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025204.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025204.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 72.02 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025204.D

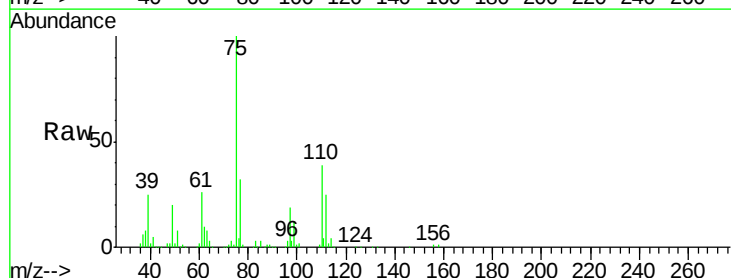
Acq: 05 Jul 2018 10:08

Tgt Ion: 75 Resp: 236832

Ion Ratio Lower Upper

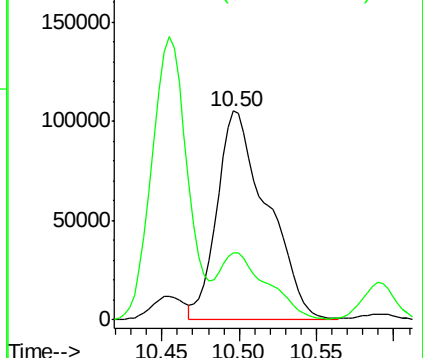
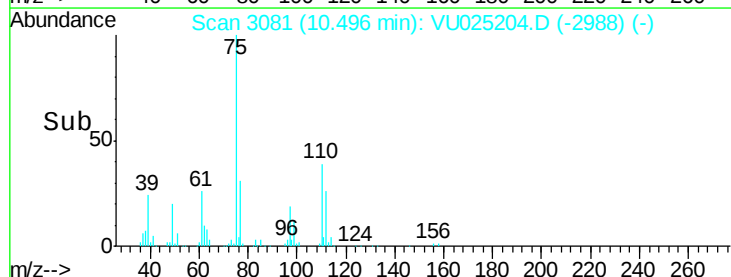
75 100

77 29.8 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025204.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025204.D (-2988) (-)





#77

Bromobenzene

Concen: 53.29 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

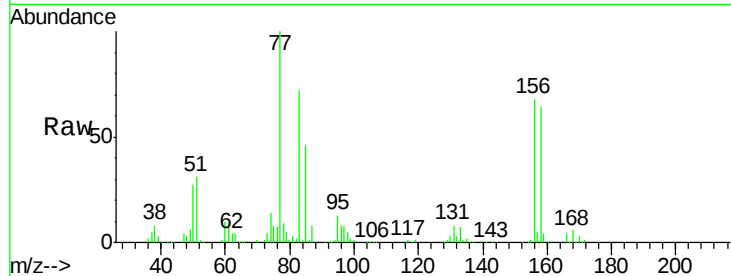
Tot Ion:156 Resp: 154705

Ion Ratio Lower Upper

156 100

77 147.3 80.5 241.3

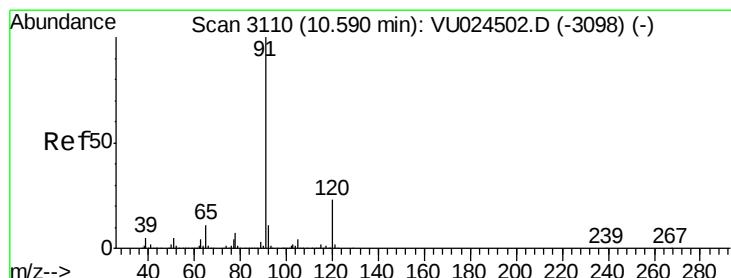
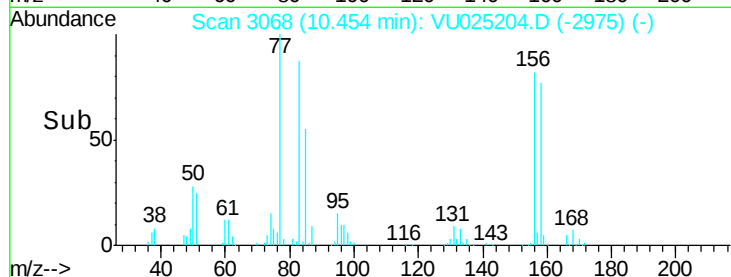
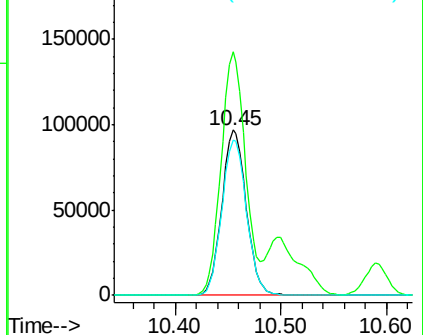
158 95.5 48.2 144.6



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: 51.56 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025204.D

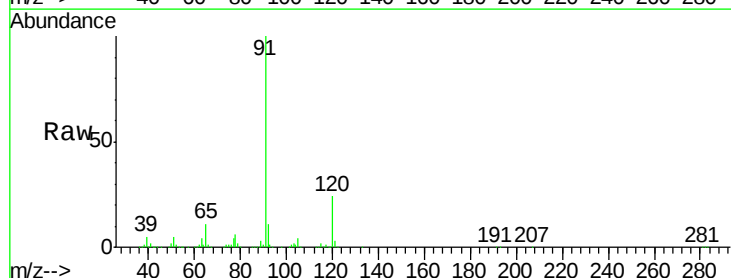
Acq: 05 Jul 2018 10:08

Tgt Ion: 91 Resp: 696492

Ion Ratio Lower Upper

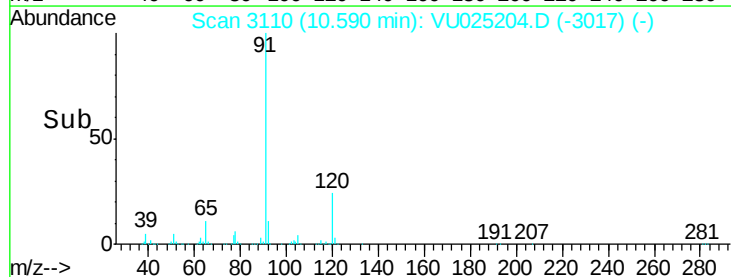
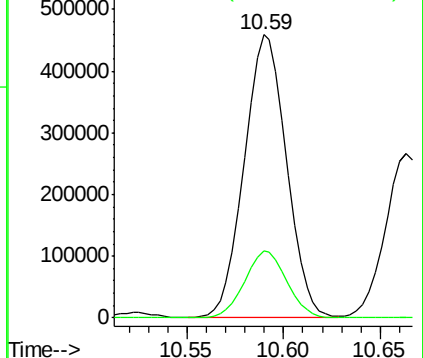
91 100

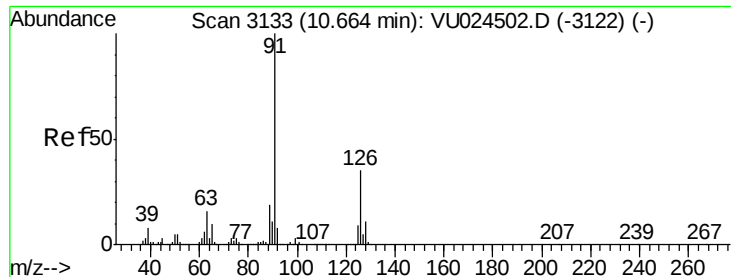
120 23.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.41 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

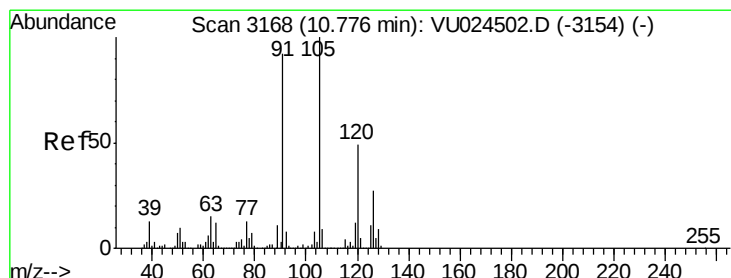
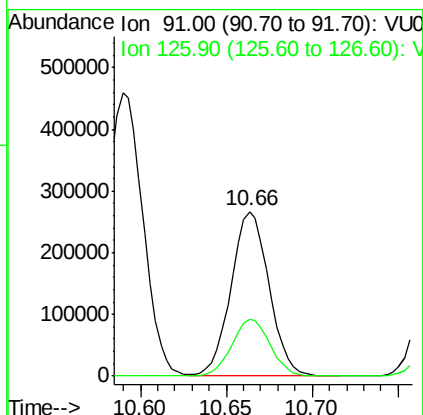
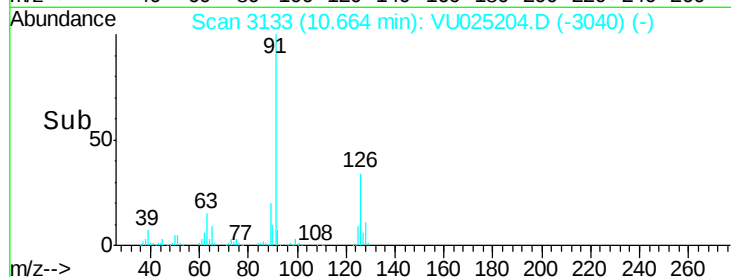
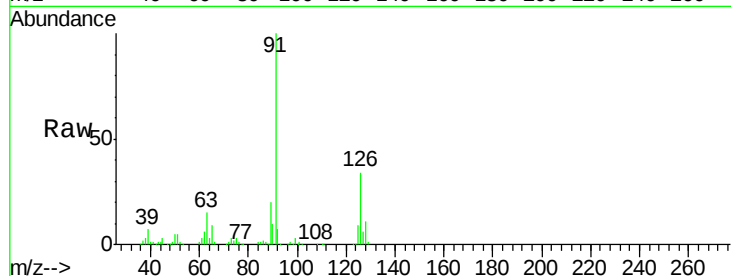
VSTDCCC050

Tot Ion: 91 Resp: 409580

Ion Ratio Lower Upper

91 100

126 34.9 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 52.84 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025204.D

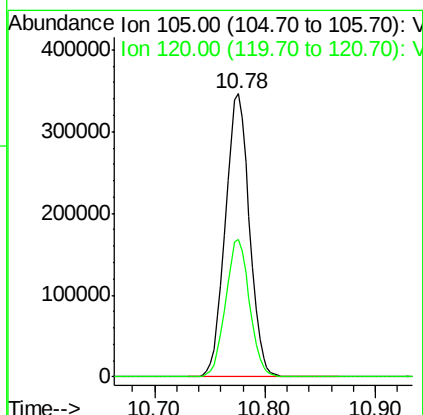
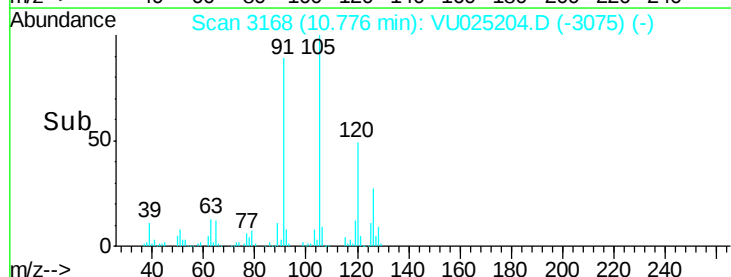
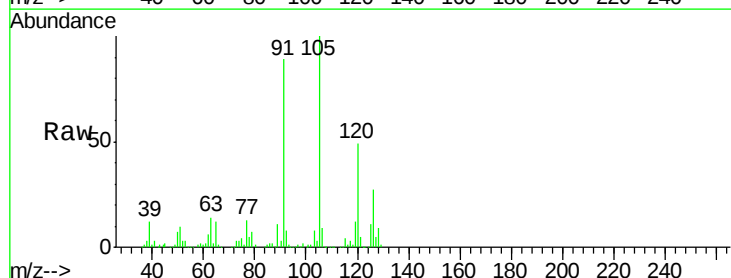
Acq: 05 Jul 2018 10:08

Tgt Ion: 105 Resp: 525188

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 166.68 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

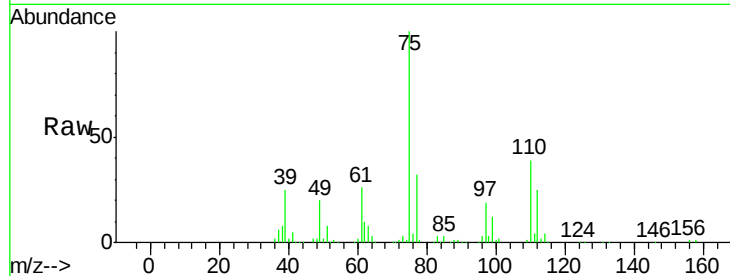
Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 236838

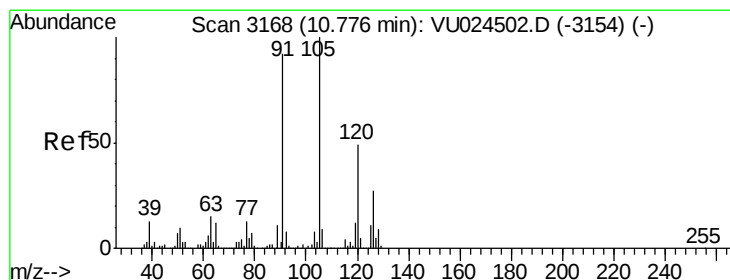
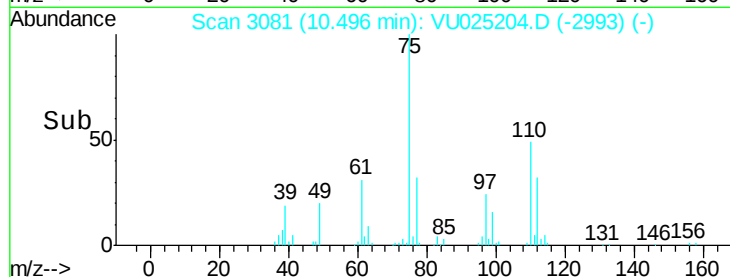
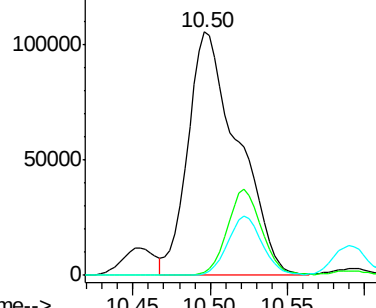
Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 51.49 ug/l

RT: 10.78 min Scan# 3168

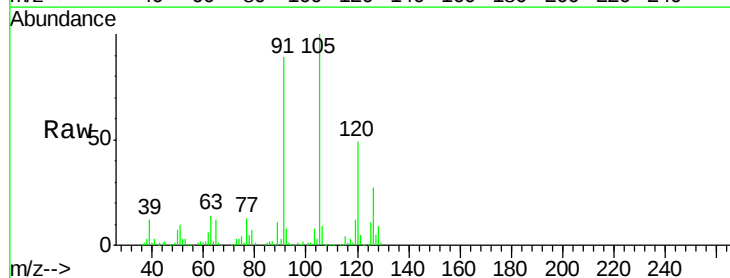
Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

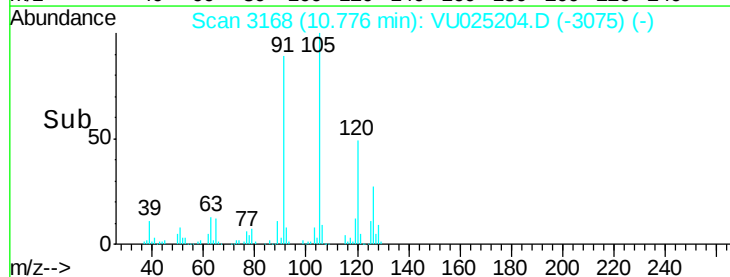
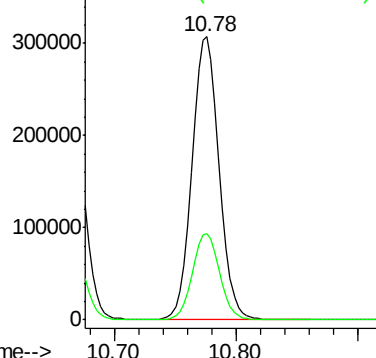
Tgt Ion: 91 Resp: 477441

Ion	Ratio	Lower	Upper
91	100		
126	30.9	14.9	44.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

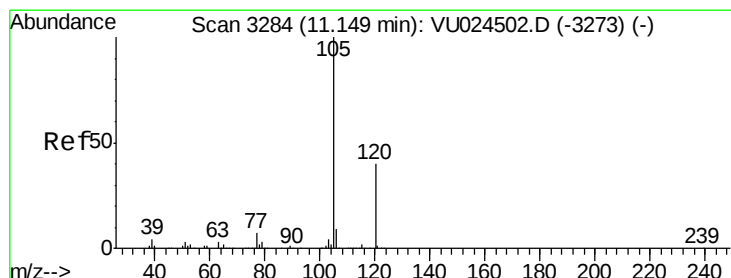
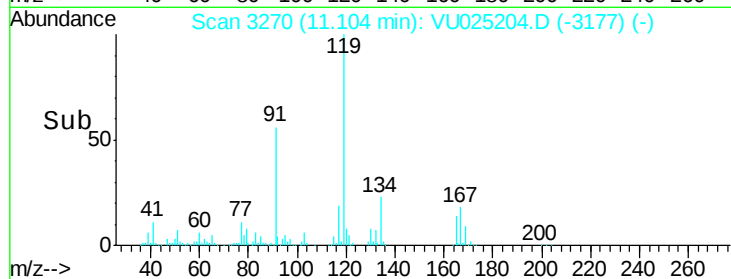
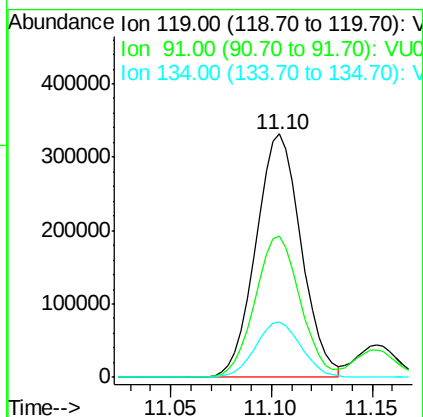
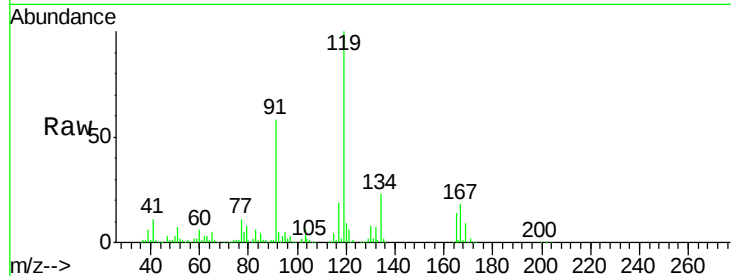




#83
 tert-Butylbenzene
 Concen: 54.37 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

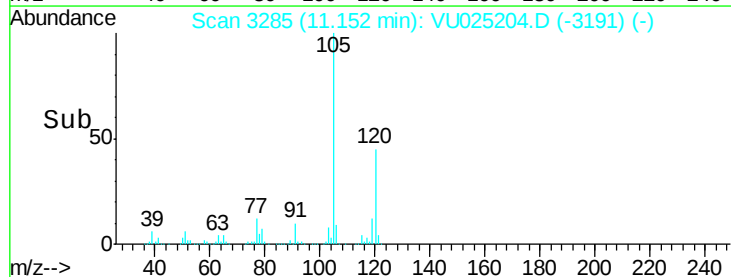
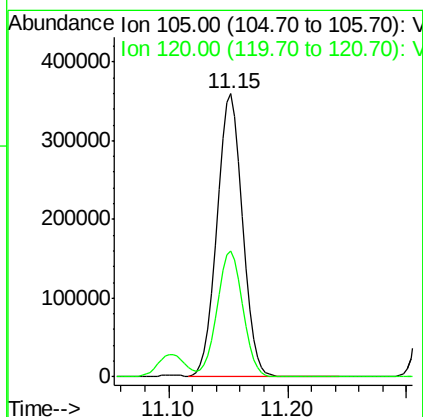
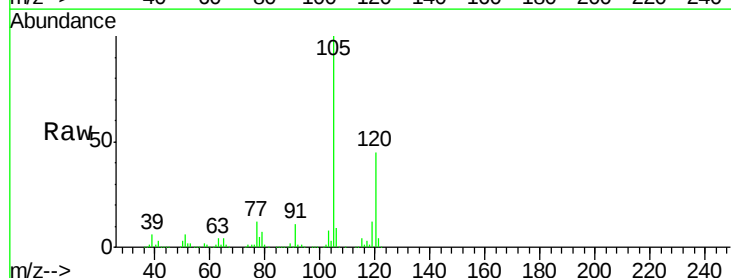
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

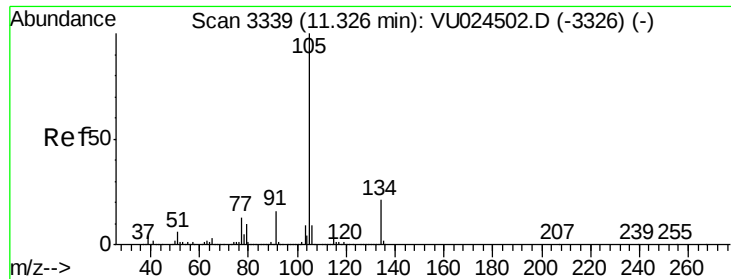
Tot Ion:119 Resp: 519818
 Ion Ratio Lower Upper
 119 100
 91 58.2 29.7 89.1
 134 22.9 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 52.81 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

Tgt Ion:105 Resp: 534970
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.6 67.8





#85

sec-Butylbenzene

Concen: 52.79 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

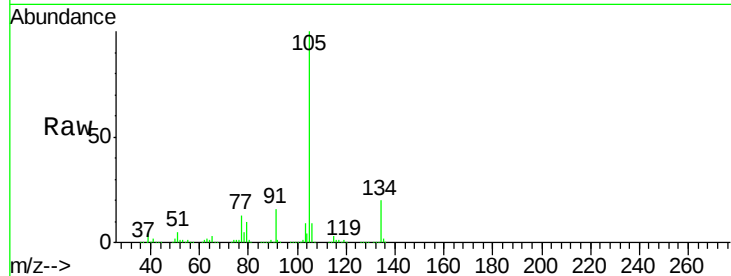
VSTDCCC050

Tot Ion:105 Resp: 631746

Ion Ratio Lower Upper

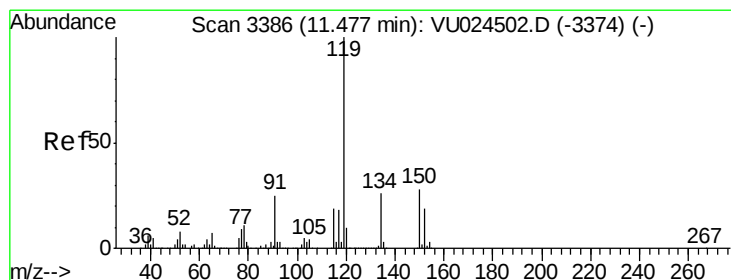
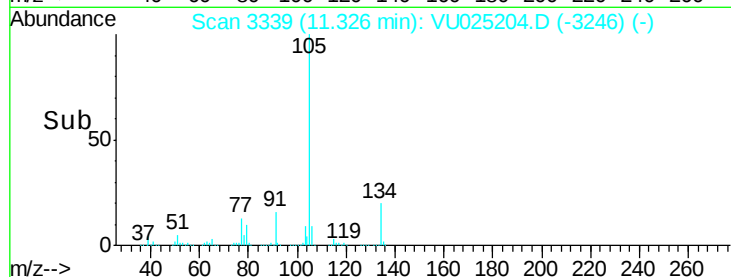
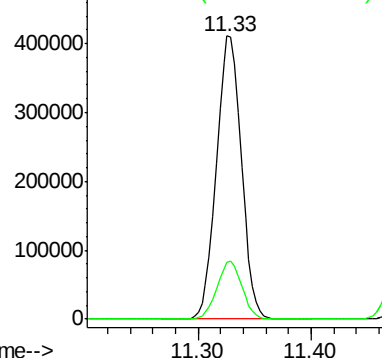
105 100

134 20.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.67 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

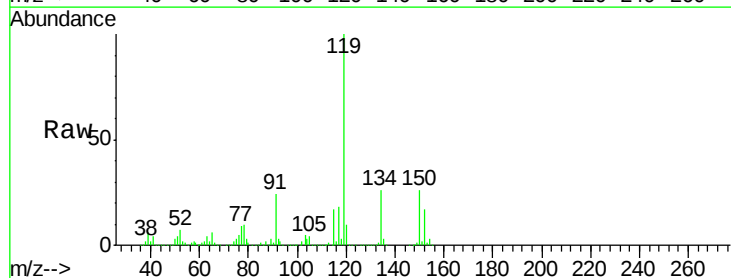
Tgt Ion:119 Resp: 564519

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

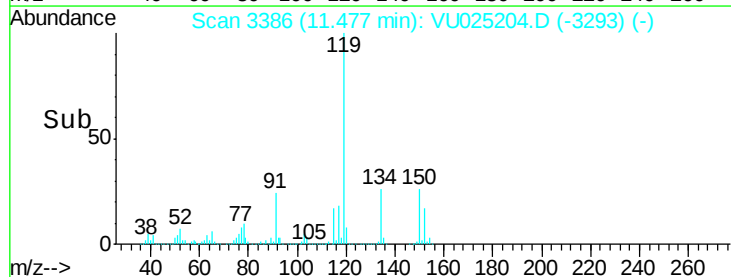
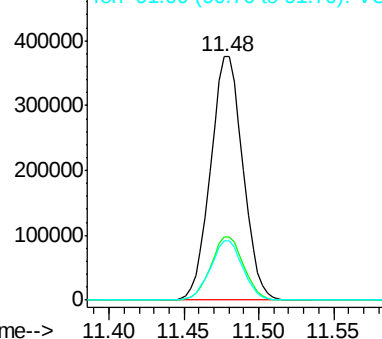
91 24.2 12.0 36.1

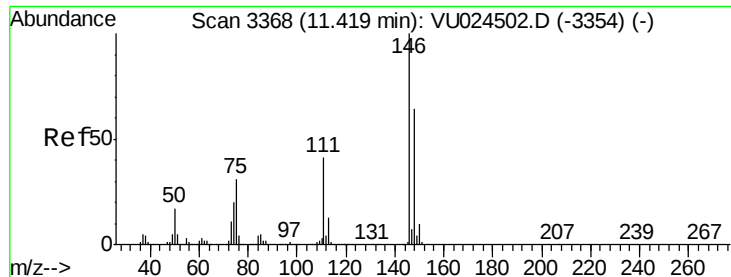


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

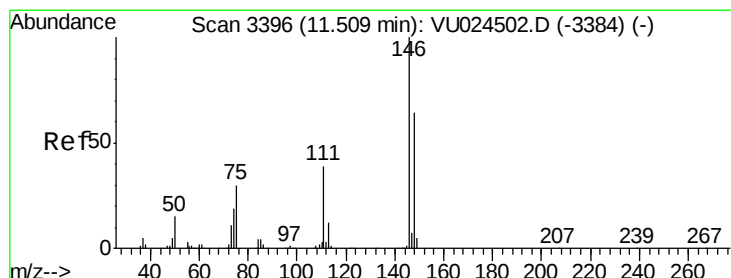
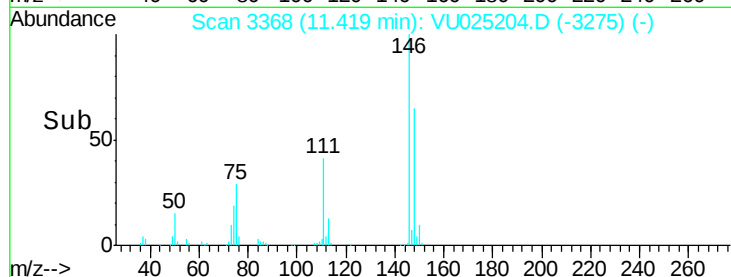
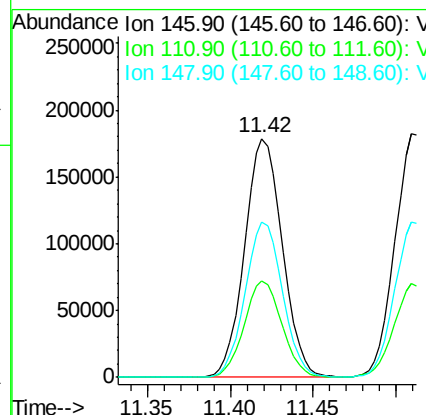
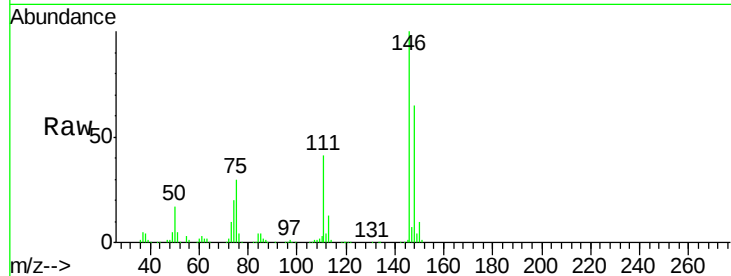




#87
 1,3-Dichlorobenzene
 Concen: 52.73 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

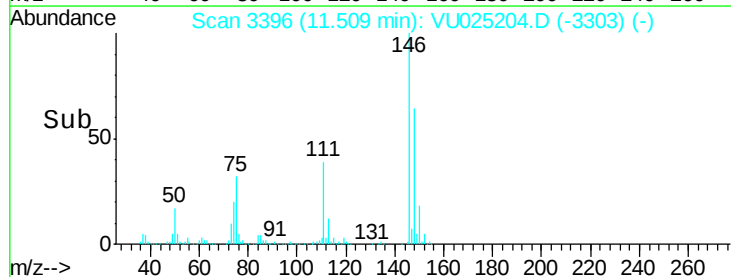
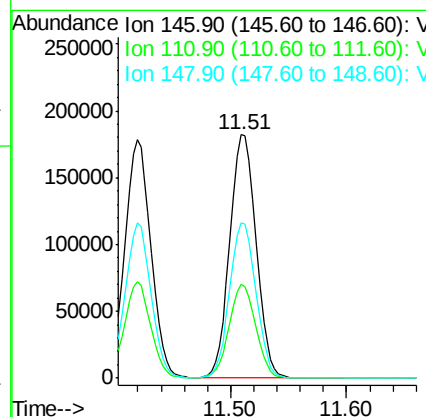
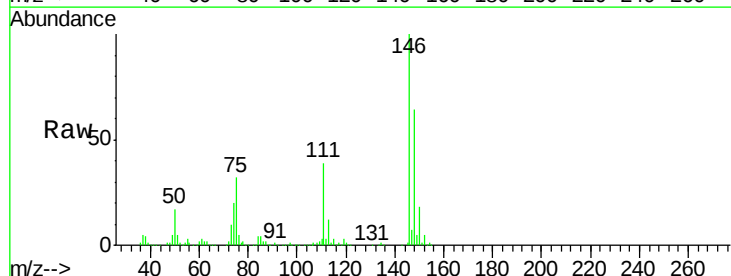
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

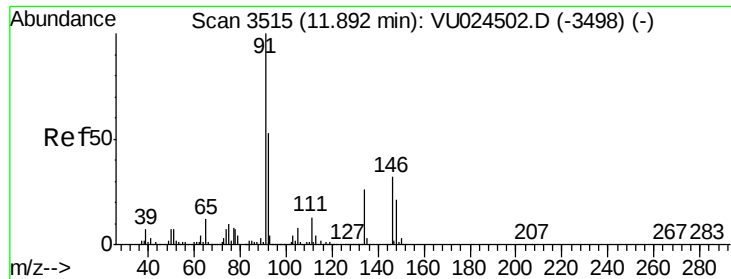
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	60.0
148	64.4	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 53.07 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	63.8	32.4	97.0

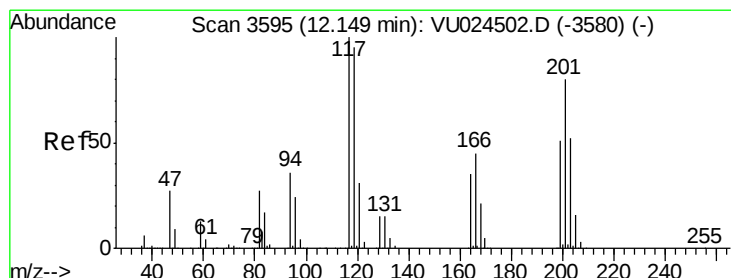
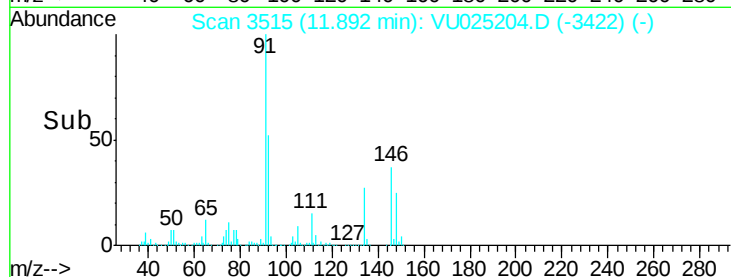
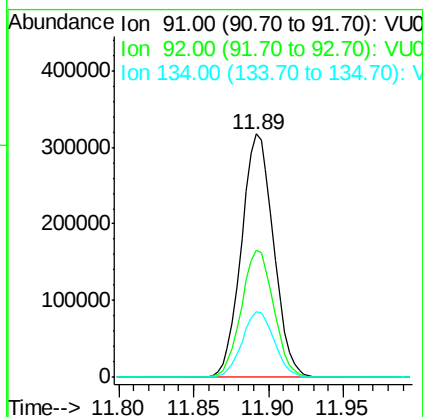
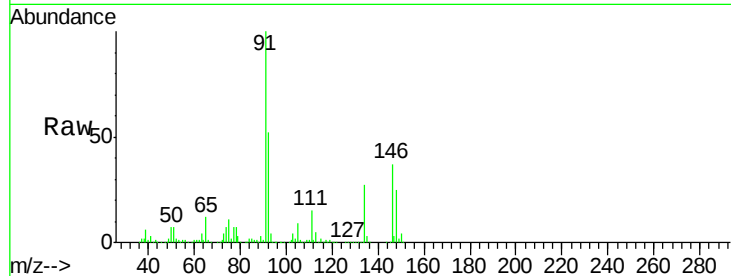




#89
n-Butylbenzene
Concen: 49.94 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

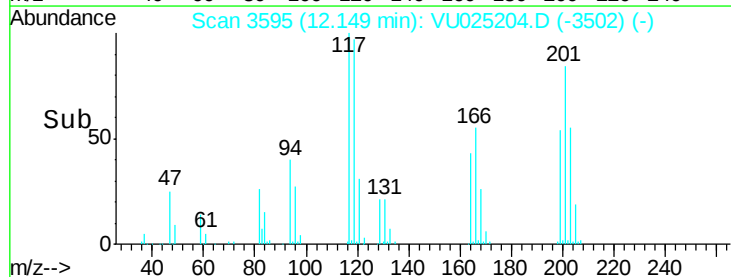
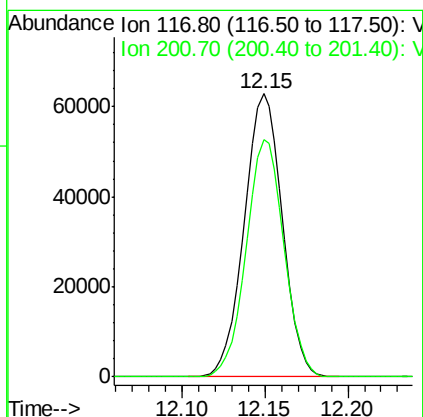
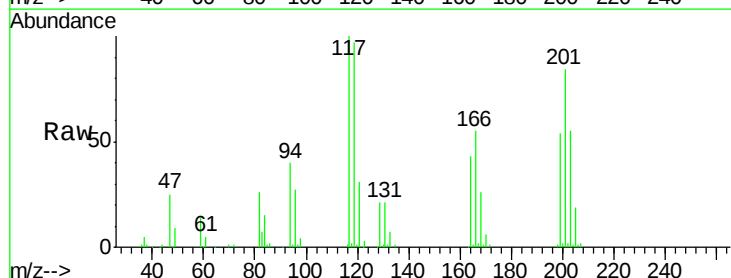
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 475223
Ion Ratio Lower Upper
91 100
92 52.5 25.6 76.8
134 27.0 12.3 36.8



#90
Hexachloroethane
Concen: 48.05 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025204.D
Acq: 05 Jul 2018 10:08

Tgt Ion: 117 Resp: 100468
Ion Ratio Lower Upper
117 100
201 83.2 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 54.21 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

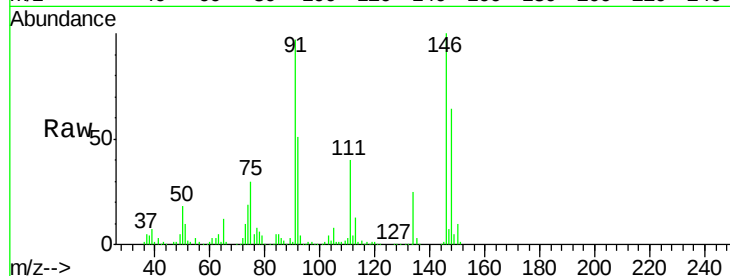
Tot Ion:146 Resp: 291227

Ion Ratio Lower Upper

146 100

111 40.8 20.5 61.6

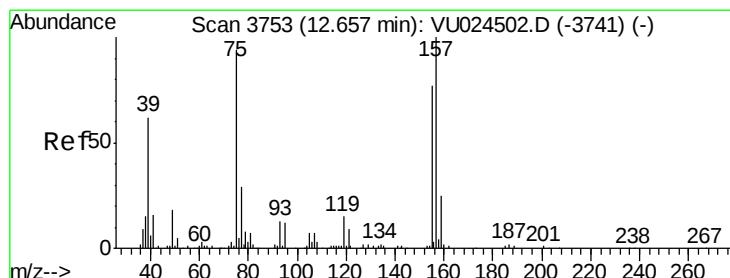
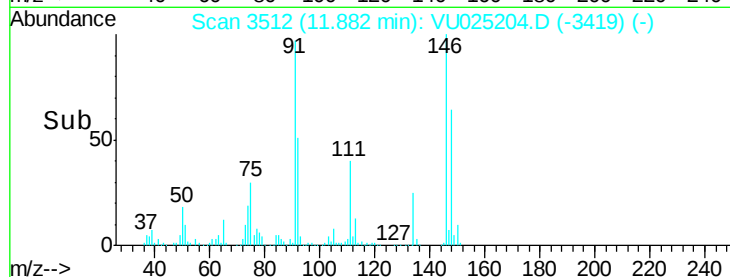
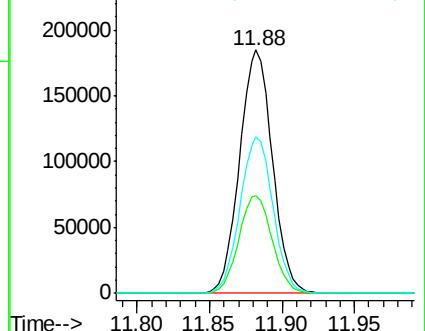
148 64.6 31.9 95.7



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: 48.24 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

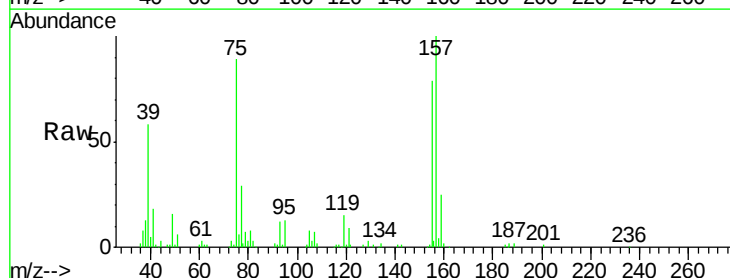
Tgt Ion: 75 Resp: 51155

Ion Ratio Lower Upper

75 100

155 87.1 40.4 121.2

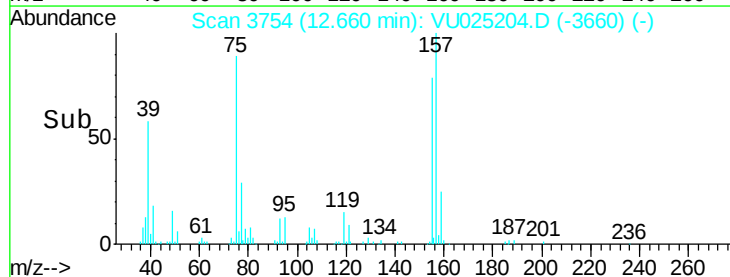
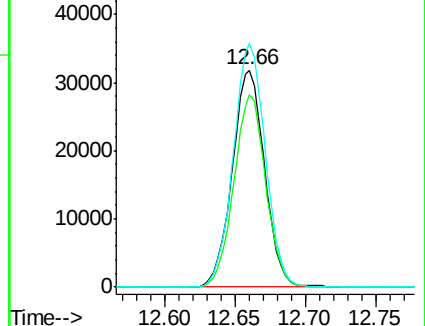
157 111.4 52.3 156.8



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

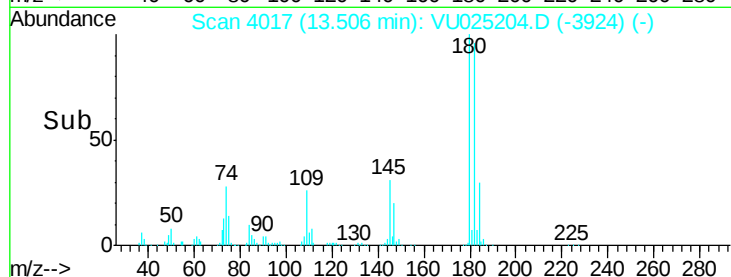
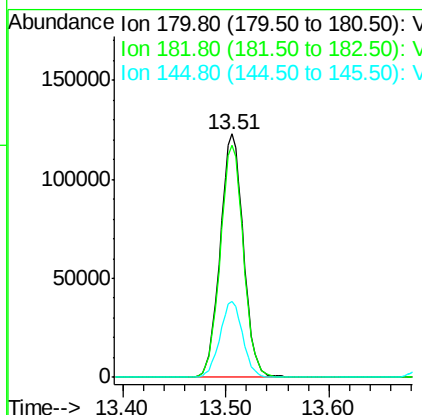
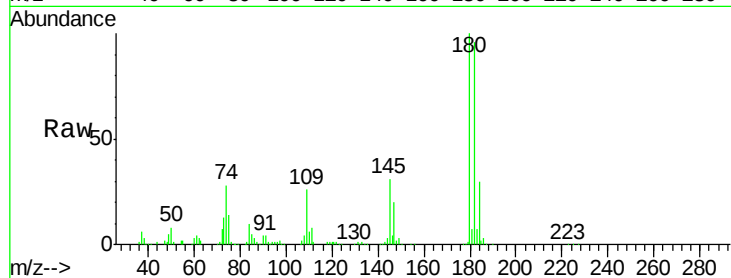




#93
 1,2,4-Trichlorobenzene
 Concen: 57.68 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

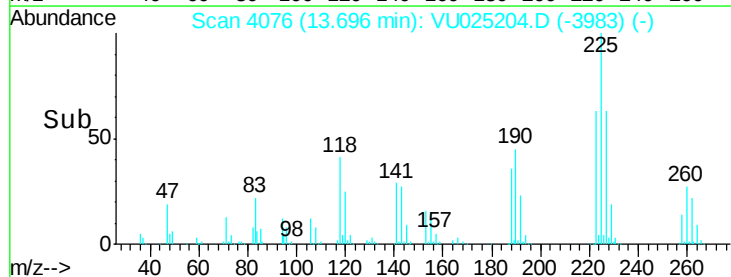
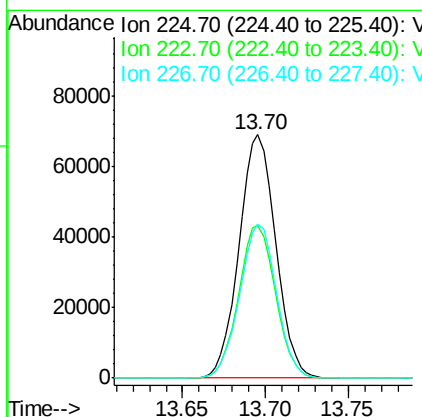
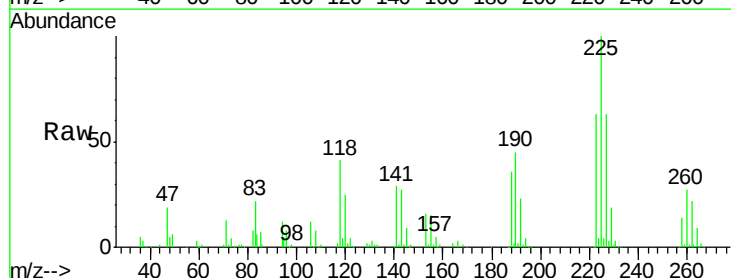
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 191357
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.0 144.2
 145 30.5 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 56.82 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025204.D
 Acq: 05 Jul 2018 10:08

Tgt Ion:225 Resp: 106108
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.3 93.8
 227 63.3 31.8 95.4





#95

Naphthalene

Concen: 53.58 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

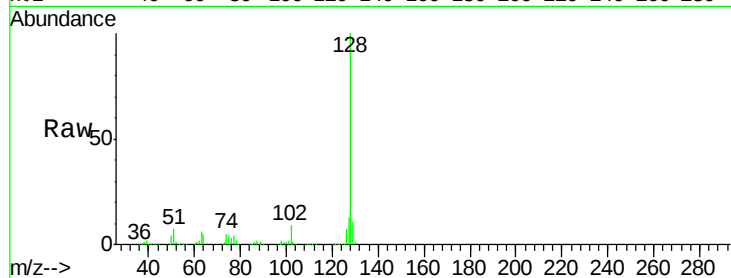
Tot Ion:128 Resp: 589022

Ion Ratio Lower Upper

128 100

127 12.5 10.6 16.0

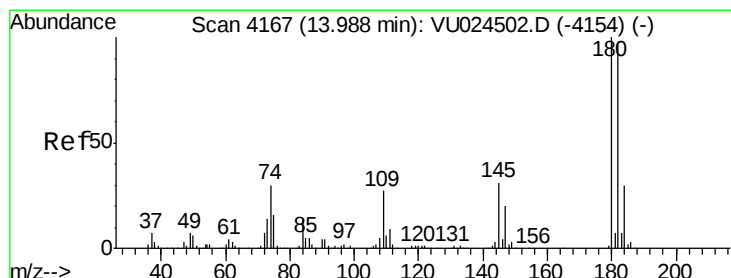
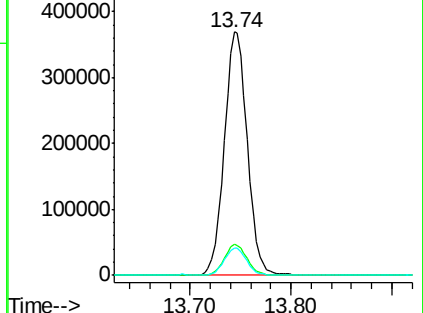
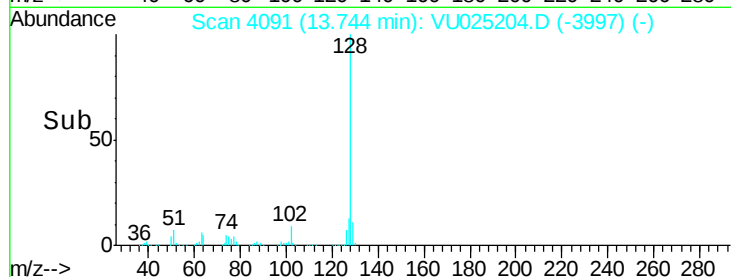
129 10.9 8.6 12.8



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: 59.47 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025204.D

Acq: 05 Jul 2018 10:08

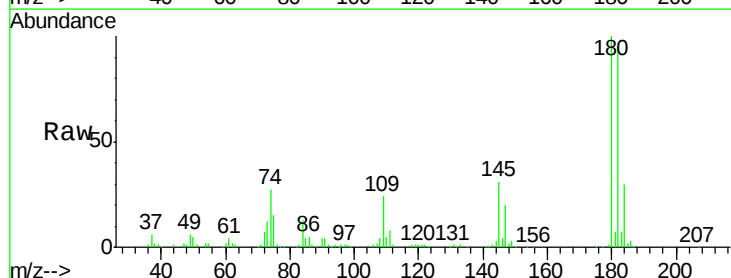
Tgt Ion:180 Resp: 196608

Ion Ratio Lower Upper

180 100

182 94.6 47.9 143.7

145 31.0 15.4 46.1



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

