

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025684.D
 Acq On : 27 Jul 2018 21:33
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 28 05:27:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	167795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	255216	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	245550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155344	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	134264	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.70%		
35) Dibromofluoromethane	4.89	113	112479	50.67	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.34%		
50) Toluene-d8	7.57	98	400759	51.59	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.18%		
62) 4-Bromofluorobenzene	10.31	95	150351	49.87	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.74%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	135678	53.50	ug/l	98
3) Chloromethane	1.33	50	118723	48.98	ug/l	98
4) Vinyl Chloride	1.40	62	111011	48.66	ug/l	100
5) Bromomethane	1.62	94	57671	51.76	ug/l	99
6) Chloroethane	1.69	64	64691	48.50	ug/l	97
7) Trichlorofluoromethane	1.88	101	165545	50.19	ug/l	98
8) Diethyl Ether	2.10	74	57335	48.05	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	91280	47.82	ug/l	99
10) Methyl Iodide	2.41	142	83643	47.50	ug/l	100
11) Tert butyl alcohol	2.83	59	152254	265.99	ug/l	100
12) 1,1-Dichloroethene	2.28	96	85689	47.56	ug/l	95
13) Acrolein	2.19	56	42701	205.63	ug/l	99
14) Allyl chloride	2.59	41	151852	46.90	ug/l	99
15) Acrylonitrile	2.94	53	304949	266.83	ug/l	100
16) Acetone	2.32	43	276108	216.62	ug/l	98
17) Carbon Disulfide	2.47	76	273619	46.93	ug/l	100
18) Methyl Acetate	2.62	43	173077	56.42	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	334811	51.28	ug/l	99
20) Methylene Chloride	2.70	84	108653	48.10	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	102131	49.04	ug/l	98
22) Diisopropyl ether	3.57	45	329050	51.57	ug/l	94
23) Vinyl Acetate	3.53	43	1416366	254.74	ug/l	99
24) 1,1-Dichloroethane	3.45	63	192394	50.23	ug/l	99
25) 2-Butanone	4.27	43	441622	254.52	ug/l	99
26) 2,2-Dichloropropane	4.23	77	148118	42.55	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	115261	49.09	ug/l	98
28) Bromochloromethane	4.55	49	87259	50.96	ug/l	100
29) Tetrahydrofuran	4.64	42	275337	264.86	ug/l	99
30) Chloroform	4.68	83	201797	49.92	ug/l	100
31) Cyclohexane	5.00	56	165008	49.52	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	181627	49.90	ug/l	98
36) 1,1-Dichloropropene	5.14	75	148664	49.84	ug/l	99
37) Ethyl Acetate	4.38	43	158827	51.36	ug/l	99
38) Carbon Tetrachloride	5.14	117	164472	48.69	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	165932	48.55	ug/l	96
40) Benzene	5.39	78	424592	48.70	ug/l	98
41) Methacrylonitrile	4.54	41	89051	51.84	ug/l	99
42) 1,2-Dichloroethane	5.41	62	165223	49.22	ug/l	99
43) Isopropyl Acetate	5.55	43	260408	50.95	ug/l	100
44) Trichloroethene	6.19	130	117978	48.59	ug/l	99
45) 1,2-Dichloropropane	6.44	63	112082	49.29	ug/l	100
46) Dibromomethane	6.56	93	80898	49.10	ug/l	100
47) Bromodichloromethane	6.76	83	156149	49.69	ug/l	96
48) Methyl methacrylate	6.63	41	131548	52.52	ug/l	97
49) 1,4-Dioxane	6.62	88	63508	1041.92	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	839421	262.36	ug/l	100
52) Toluene	7.64	92	272214	50.26	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	173831	49.26	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	179683	49.57	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	111151	49.38	ug/l	99
56) Ethyl methacrylate	8.02	69	168745	52.47	ug/l	97
57) 1,3-Dichloropropane	8.25	76	190245	50.26	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	357177	245.39	ug/l	100
59) 2-Hexanone	8.36	43	652868	260.31	ug/l	98
60) Dibromochloromethane	8.48	129	130051	48.99	ug/l	100
61) 1,2-Dibromoethane	8.59	107	125720	50.22	ug/l	99
64) Tetrachloroethene	8.23	164	109329	50.58	ug/l	99
65) Chlorobenzene	9.12	112	311042	49.13	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	116063	50.68	ug/l	98
67) Ethyl Benzene	9.25	91	530315	50.57	ug/l	98
68) m/p-Xylenes	9.38	106	413572	102.72	ug/l	99
69) o-Xylene	9.78	106	202744	51.53	ug/l	99
70) Styrene	9.80	104	331830	52.21	ug/l	98
71) Bromoform	9.96	173	100909	50.81	ug/l #	99
73) Isopropylbenzene	10.17	105	543896	51.30	ug/l	99
74) N-amyl acetate	10.01	43	231760	53.54	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	187427	51.12	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	214296	62.61	ug/l	84
77) Bromobenzene	10.45	156	147221	50.34	ug/l	98
78) n-propylbenzene	10.59	91	640264	51.74	ug/l	99
79) 2-Chlorotoluene	10.66	91	375405	51.79	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	471412	52.35	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	214296	156.99	ug/l #	100
82) 4-Chlorotoluene	10.78	91	444593	52.04	ug/l	99
83) tert-Butylbenzene	11.10	119	459932	51.41	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	481205	52.74	ug/l	98
85) sec-Butylbenzene	11.33	105	565181	51.74	ug/l	100
86) p-Isopropyltoluene	11.48	119	510724	52.22	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	274787	50.62	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	276811	48.92	ug/l	99
89) n-Butylbenzene	11.89	91	468044	51.86	ug/l	99
90) Hexachloroethane	12.15	117	87691	50.43	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	268798	50.52	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	46079	53.01	ug/l	97

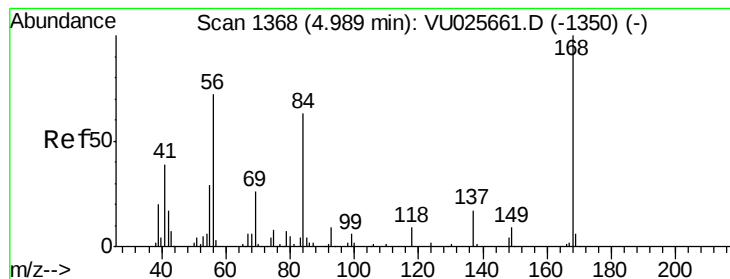
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	190830	53.14	ug/l	98
94) Hexachlorobutadiene	13.70	225	92669	48.95	ug/l	98
95) Naphthalene	13.75	128	588588	51.00	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	191029	53.33	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

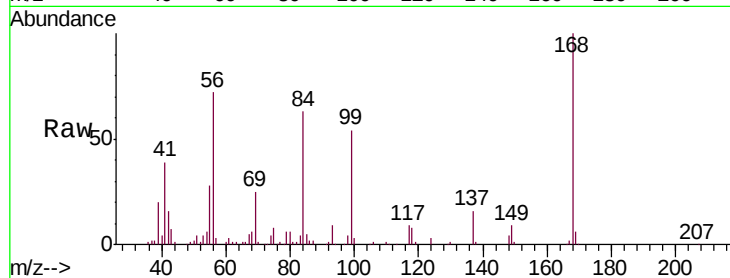
VSTDCCC050

Tot Ion:168 Resp: 167795

Ion Ratio Lower Upper

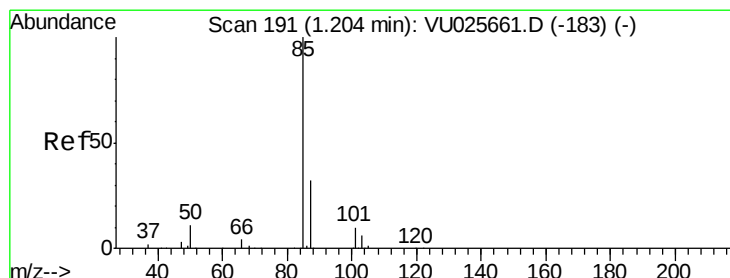
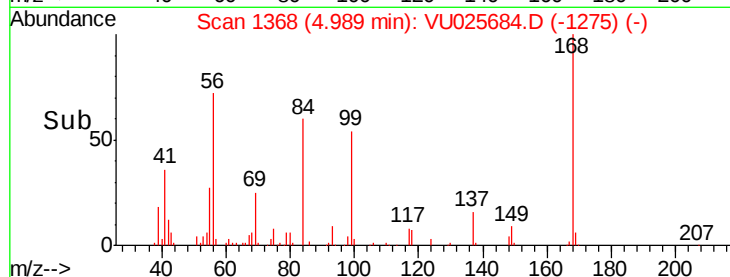
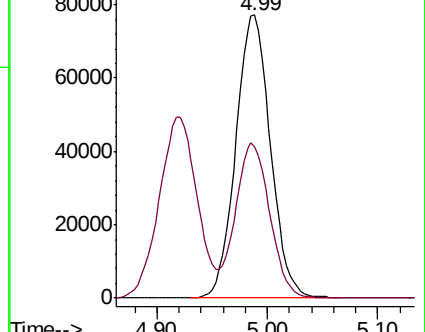
168 100

99 53.5 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



#2

Dichlorodifluoromethane

Concen: 53.50 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025684.D

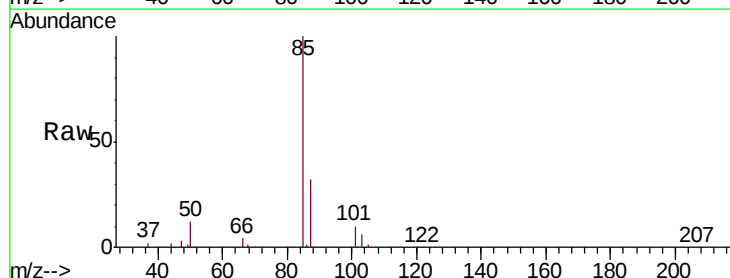
Acq: 27 Jul 2018 21:33

Tgt Ion: 85 Resp: 135678

Ion Ratio Lower Upper

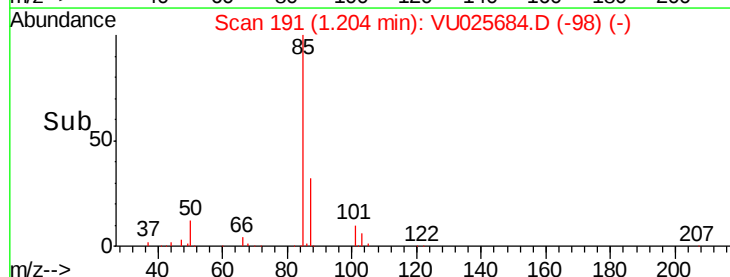
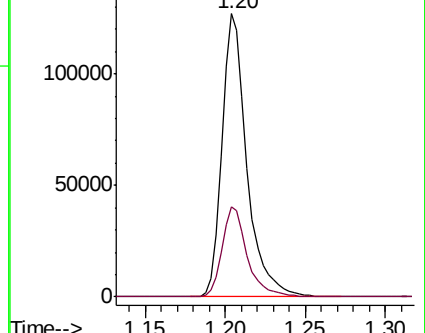
85 100

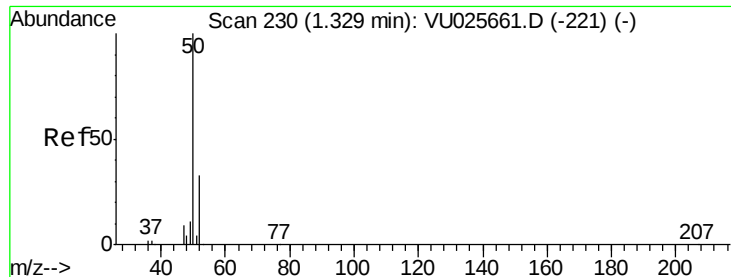
87 31.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)

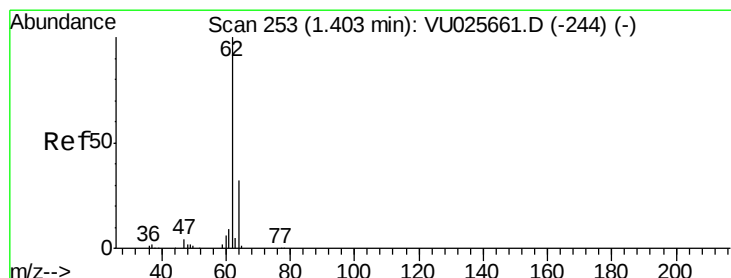
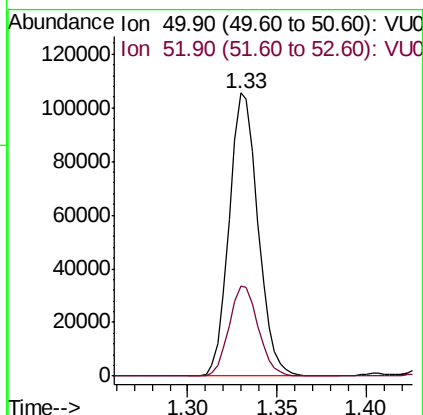
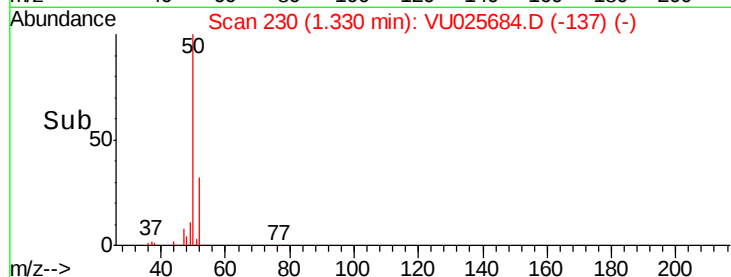
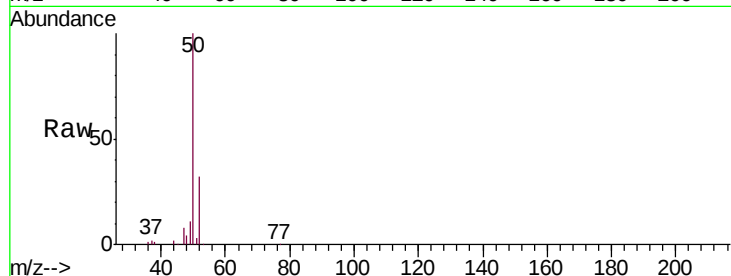




#3
 Chloromethane
 Concen: 48.98 ug/l
 RT: 1.33 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

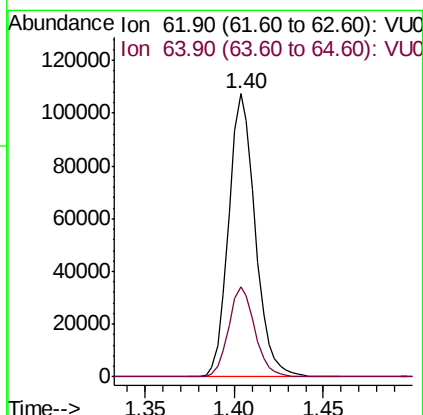
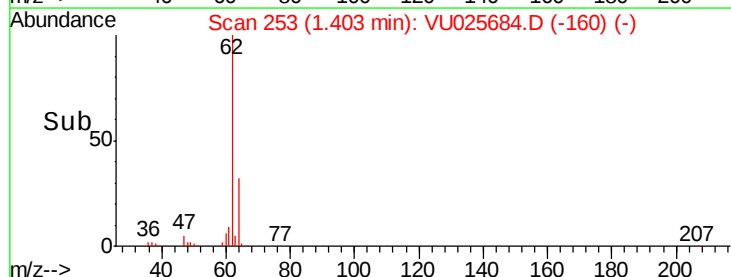
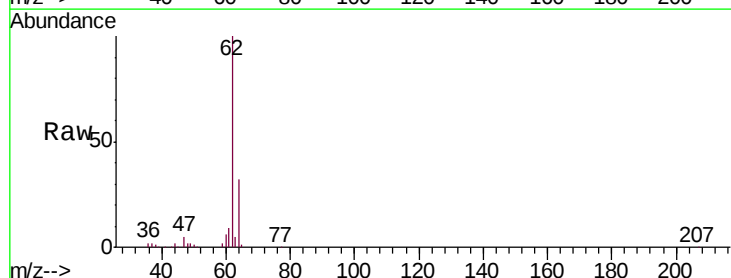
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

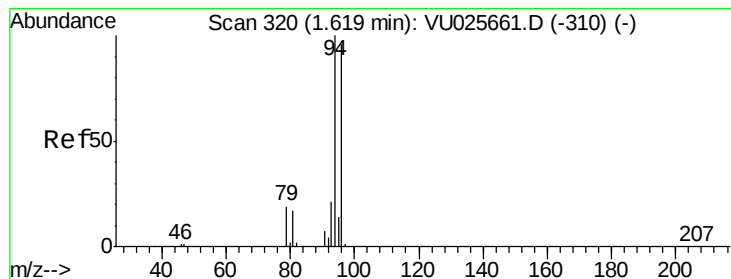
Tot Ion: 50 Resp: 118723
 Ion Ratio Lower Upper
 50 100
 52 31.9 26.5 39.7



#4
 Vinyl Chloride
 Concen: 48.66 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion: 62 Resp: 111011
 Ion Ratio Lower Upper
 62 100
 64 31.9 25.4 38.0





#5

Bromomethane

Concen: 51.76 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

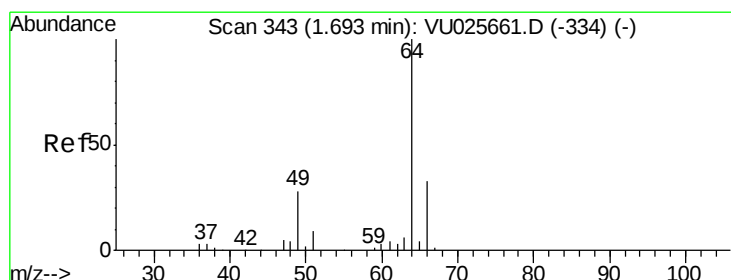
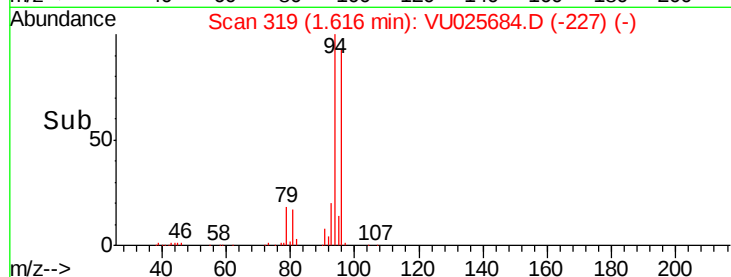
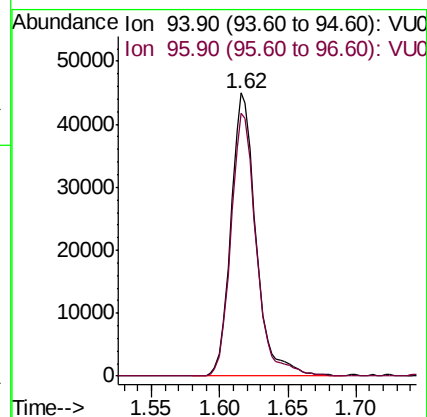
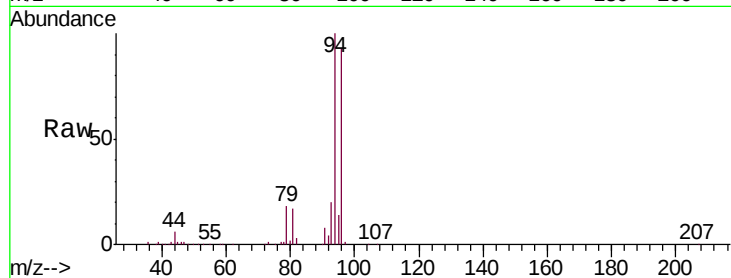
VSTDCCC050

Tot Ion: 94 Resp: 57671

Ion Ratio Lower Upper

94 100

96 92.8 75.0 112.4



#6

Chloroethane

Concen: 48.50 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025684.D

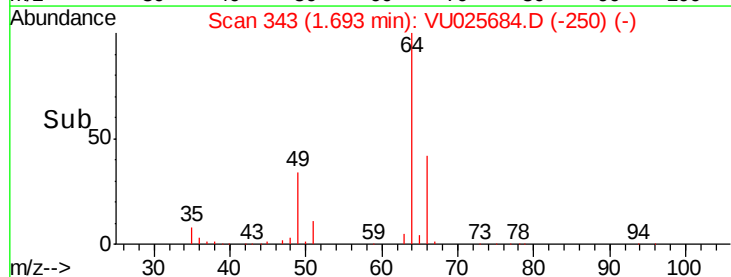
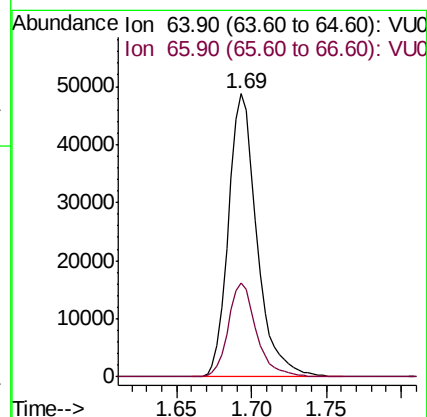
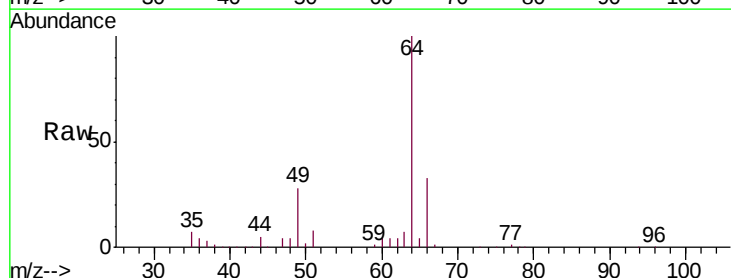
Acq: 27 Jul 2018 21:33

Tgt Ion: 64 Resp: 64691

Ion Ratio Lower Upper

64 100

66 33.1 25.0 37.4





#7

Trichlorofluoromethane

Concen: 50.19 ug/l

RT: 1.88 min Scan# 402

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

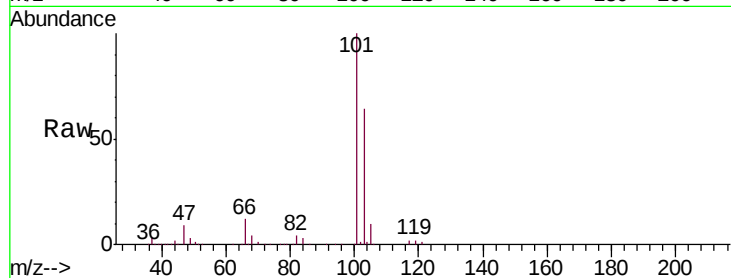
VSTDCCC050

Tot Ion:101 Resp: 165545

Ion Ratio Lower Upper

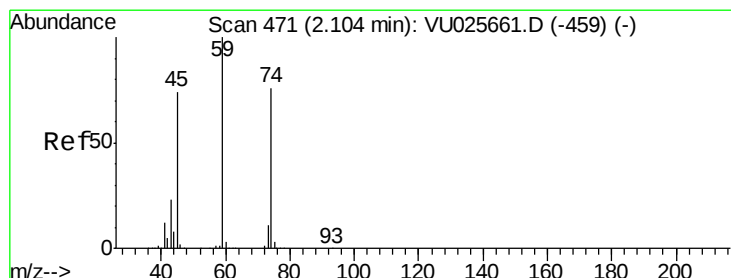
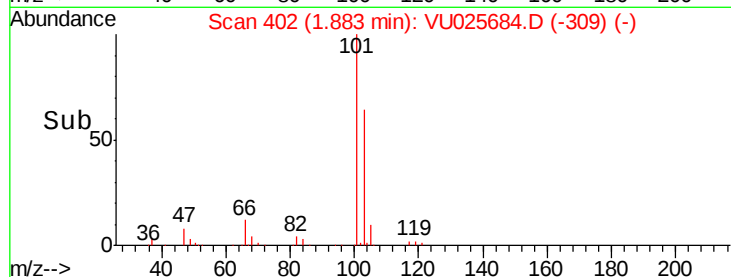
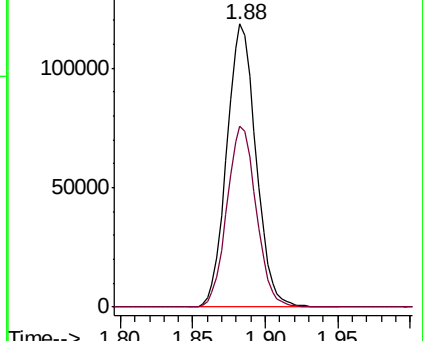
101 100

103 64.0 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.05 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025684.D

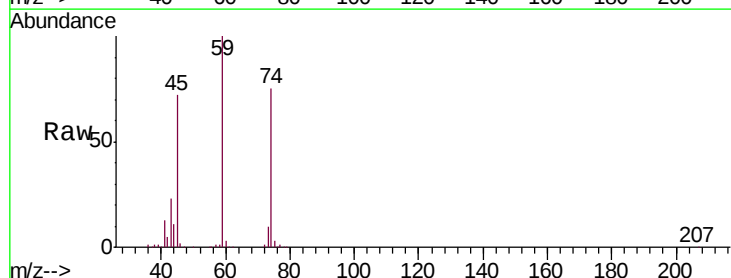
Acq: 27 Jul 2018 21:33

Tgt Ion: 74 Resp: 57335

Ion Ratio Lower Upper

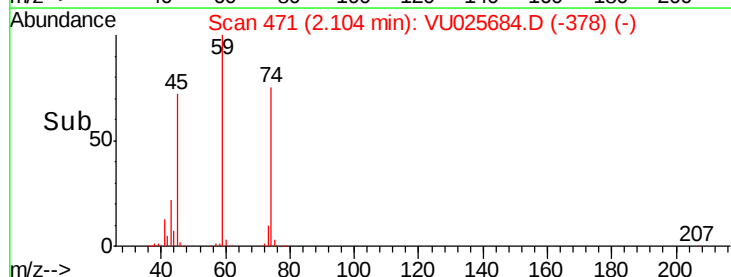
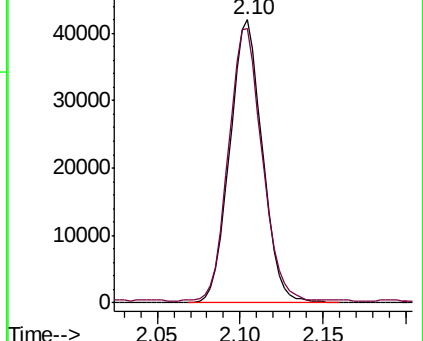
74 100

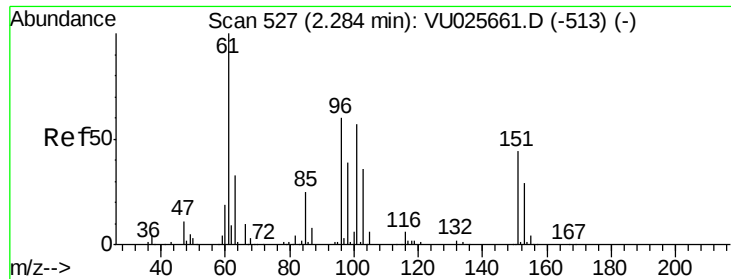
45 98.7 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.82 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025684.D

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Instrument :

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ClientSampleId :

VSTDCCC050

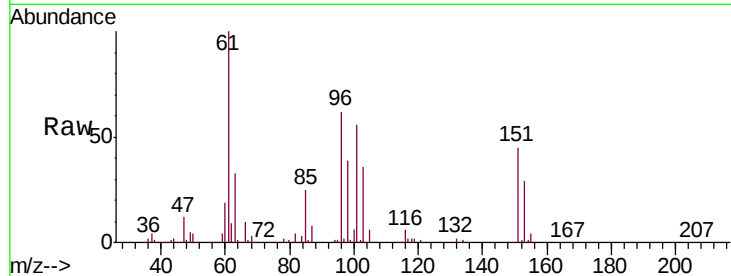
Tot Ion:101 Resp: 91280

Ion Ratio Lower Upper

101 100

85 43.9 36.0 54.0

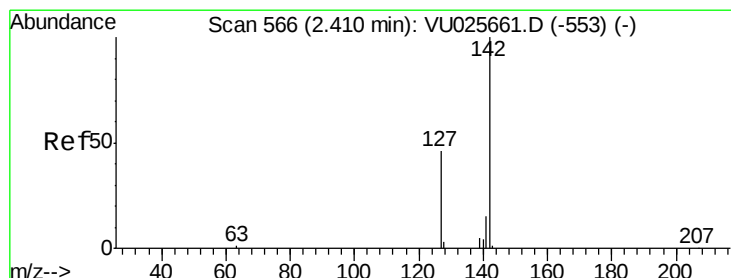
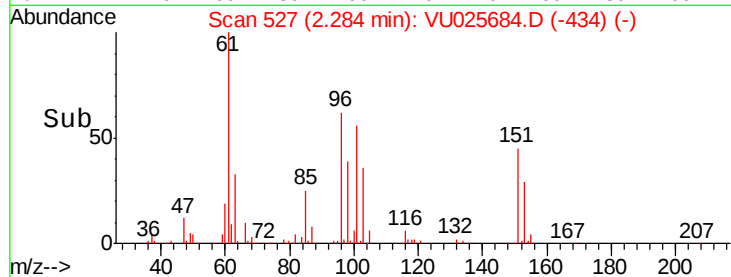
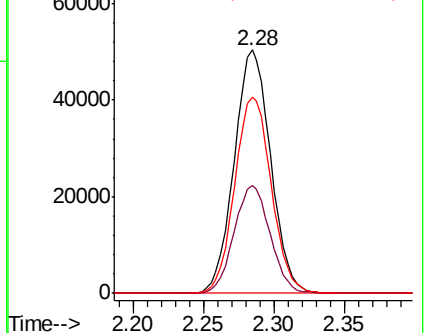
151 81.0 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.50 ug/l

RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

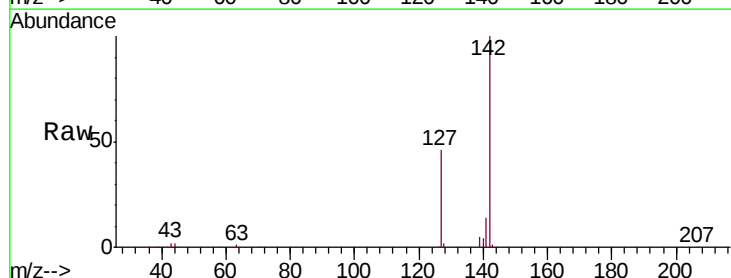
Tgt Ion:142 Resp: 83643

Ion Ratio Lower Upper

142 100

127 45.7 36.5 54.7

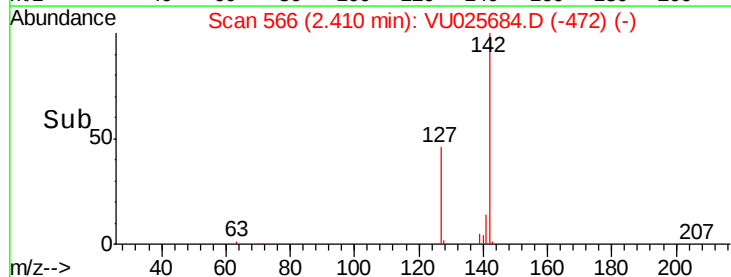
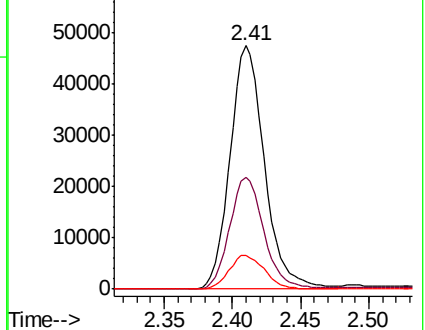
141 14.3 11.4 17.2

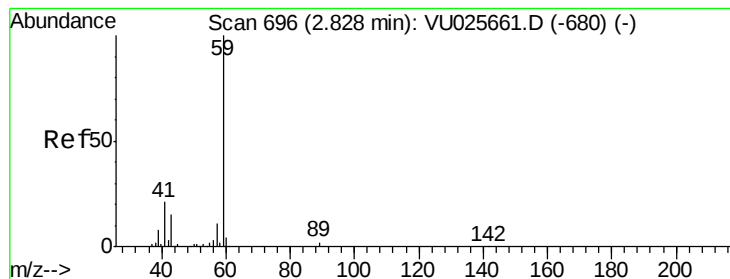


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



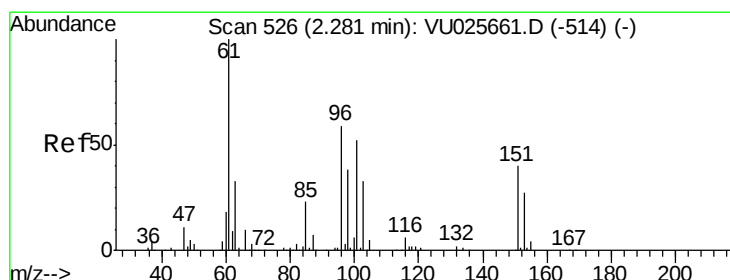
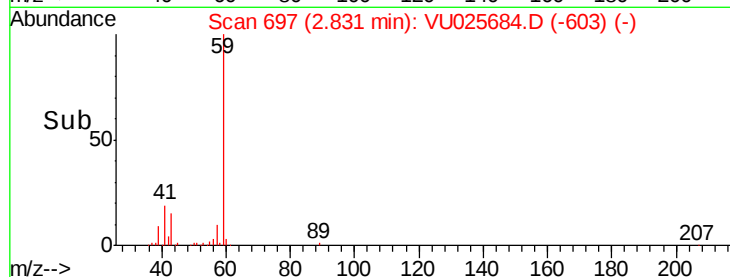
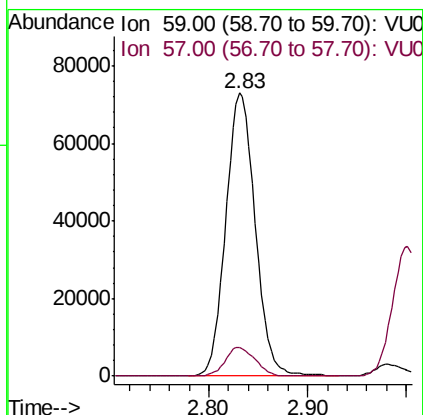
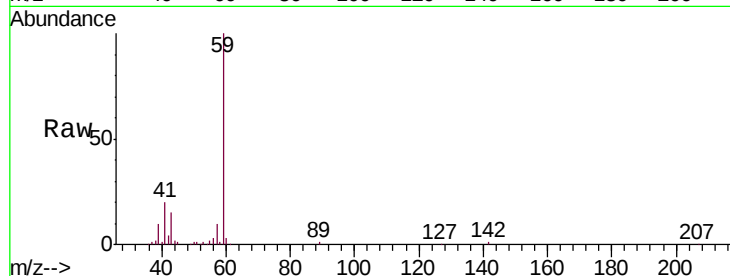


#11

Tert butyl alcohol
Concen: 265.99 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

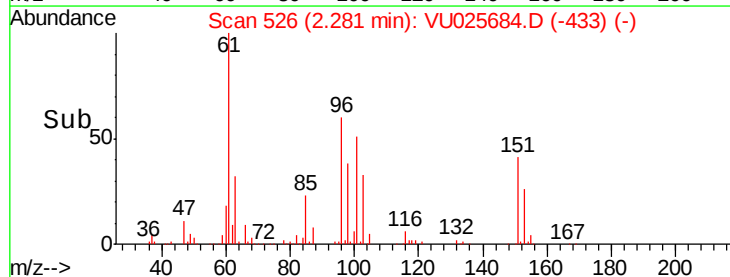
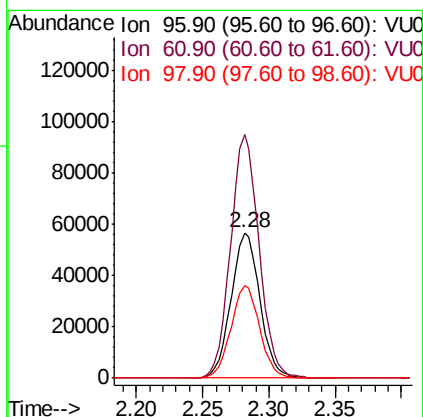
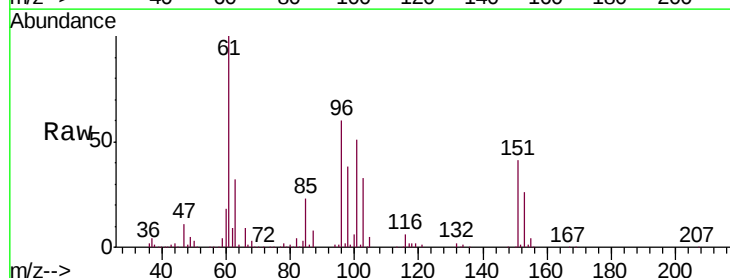
Tot Ion: 59 Resp: 152254
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

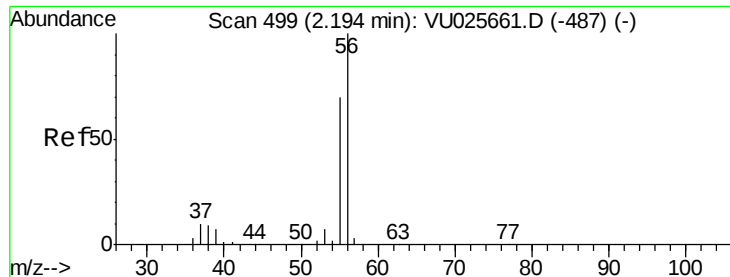


#12

1,1-Dichloroethene
Concen: 47.56 ug/l
RT: 2.28 min Scan# 526
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion: 96 Resp: 85689
Ion Ratio Lower Upper
96 100
61 167.7 140.2 210.4
98 63.8 49.3 73.9





#13

Acrolein

Concen: 205.63 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

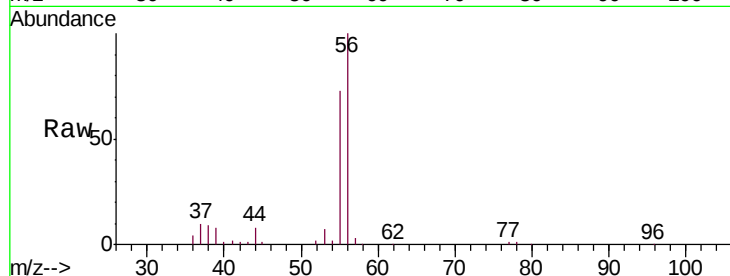
VSTDCCC050

Tot Ion: 56 Resp: 42701

Ion Ratio Lower Upper

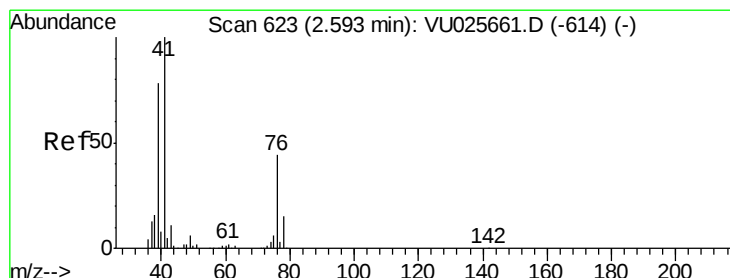
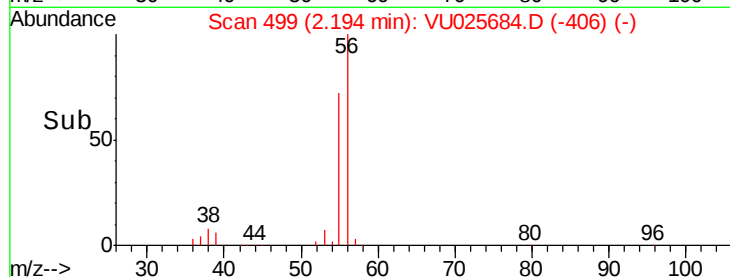
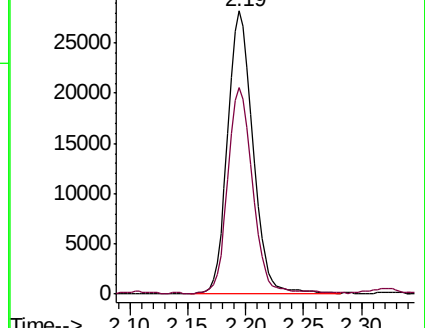
56 100

55 71.0 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU025661.D (-487) (-)

Ion 55.00 (54.70 to 55.70): VU025661.D (-487) (-)



#14

Allyl chloride

Concen: 46.90 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

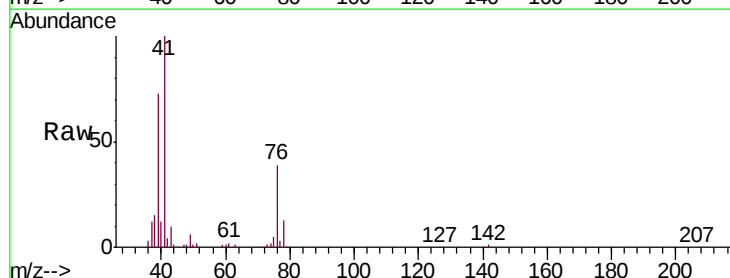
Tgt Ion: 41 Resp: 151852

Ion Ratio Lower Upper

41 100

39 74.0 60.6 91.0

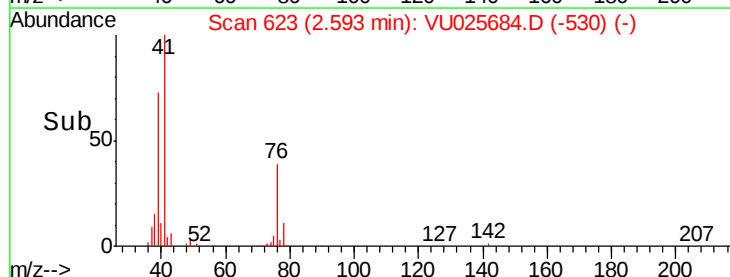
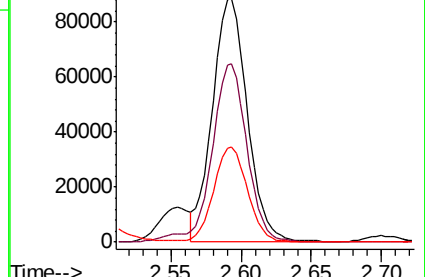
76 38.1 30.5 45.7



Abundance Ion 41.00 (40.70 to 41.70): VU025661.D (-614) (-)

Ion 39.00 (38.70 to 39.70): VU025661.D (-614) (-)

Ion 75.90 (75.60 to 76.60): VU025661.D (-614) (-)





#15

Acrylonitrile

Concen: 266.83 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

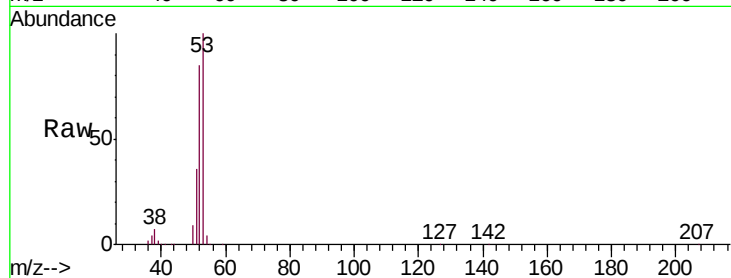
Tot Ion: 53 Resp: 304949

Ion Ratio Lower Upper

53 100

52 82.7 66.6 99.8

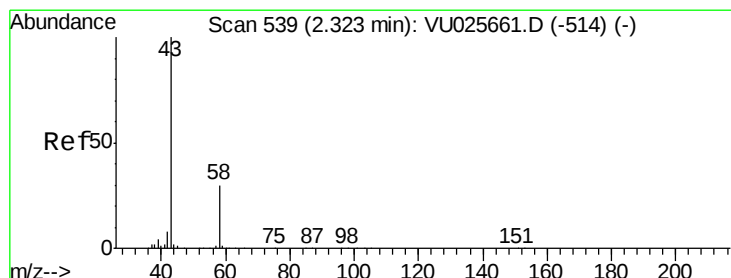
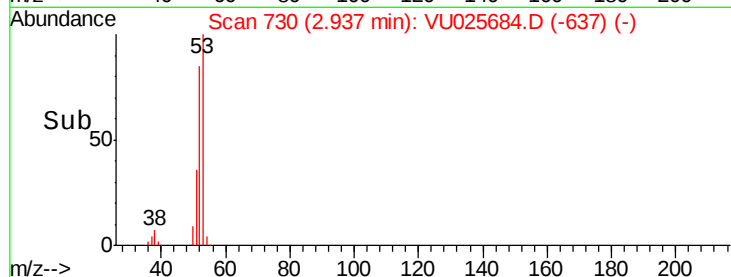
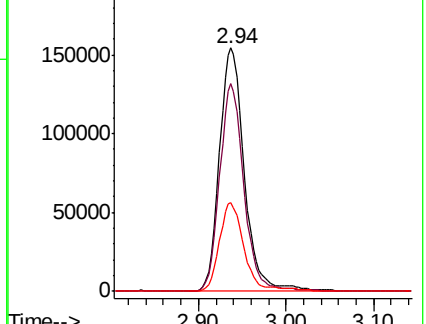
51 36.7 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 216.62 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025684.D

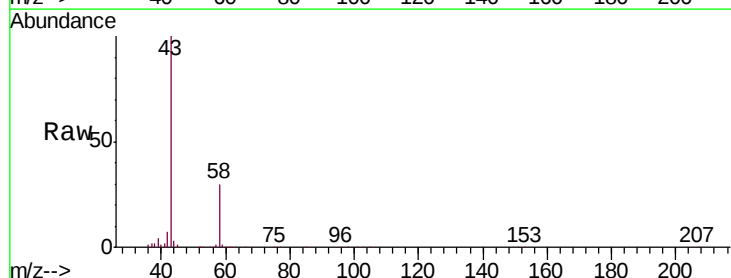
Acq: 27 Jul 2018 21:33

Tgt Ion: 43 Resp: 276108

Ion Ratio Lower Upper

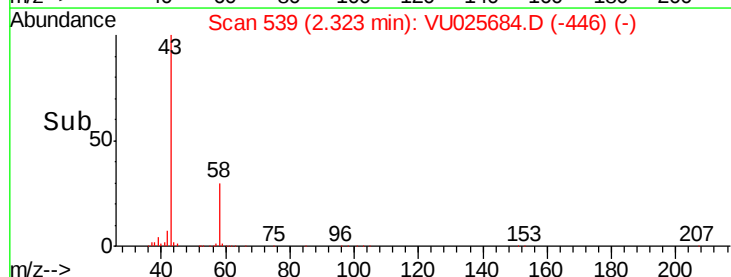
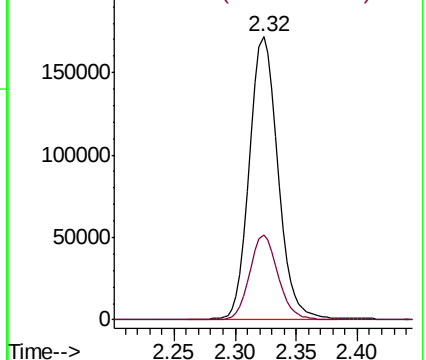
43 100

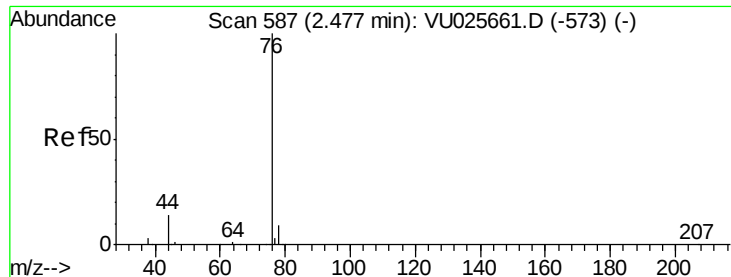
58 29.9 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

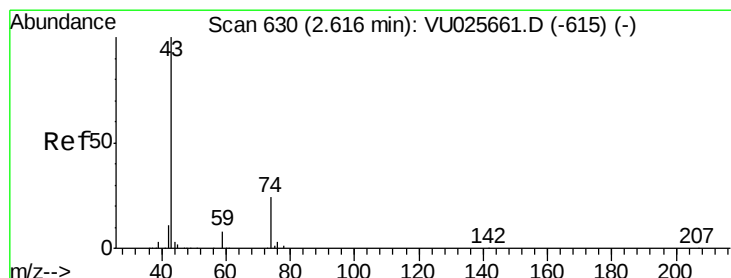
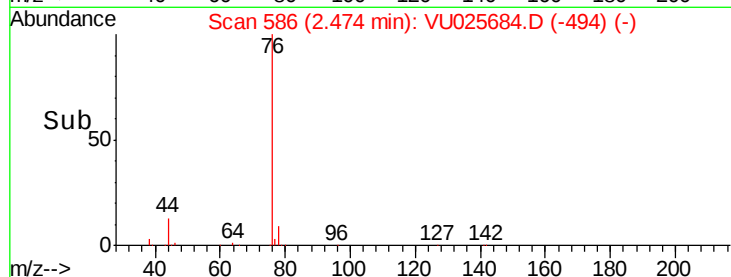
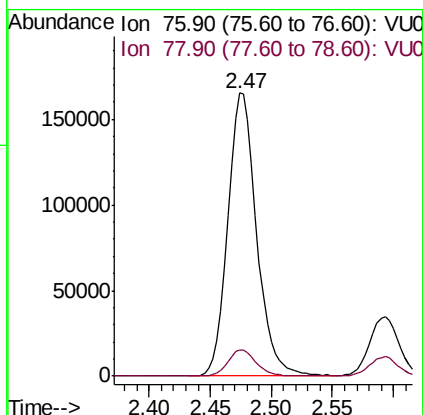
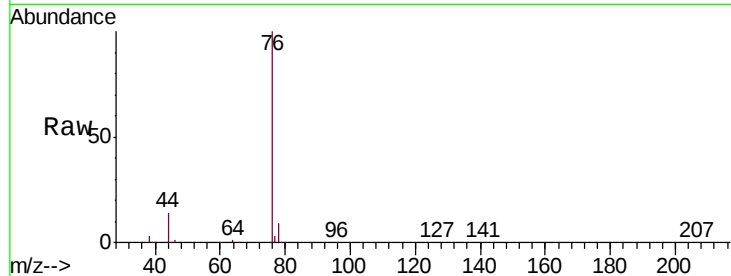




#17
Carbon Disulfide
Concen: 46.93 ug/l
RT: 2.47 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

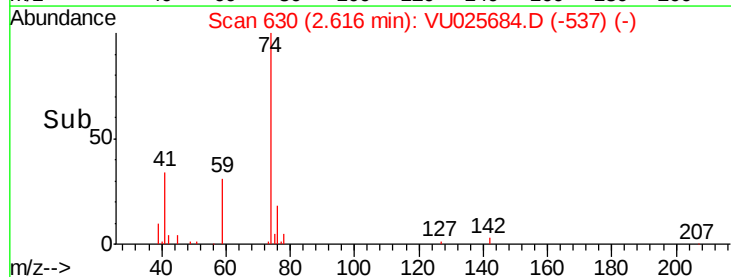
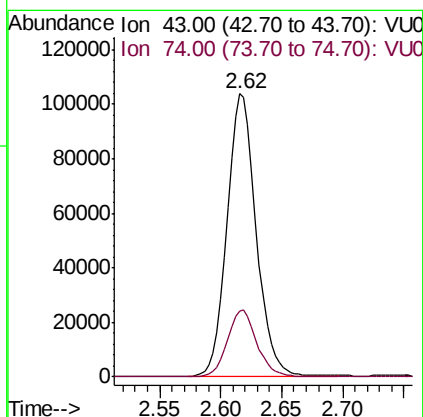
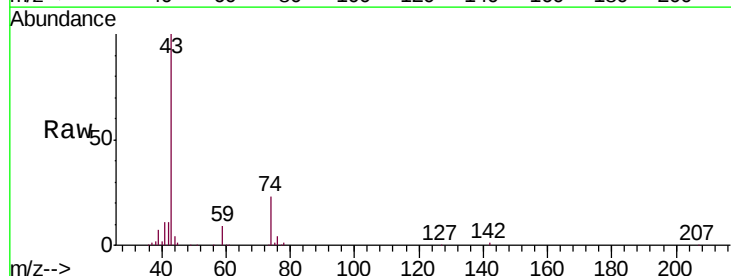
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

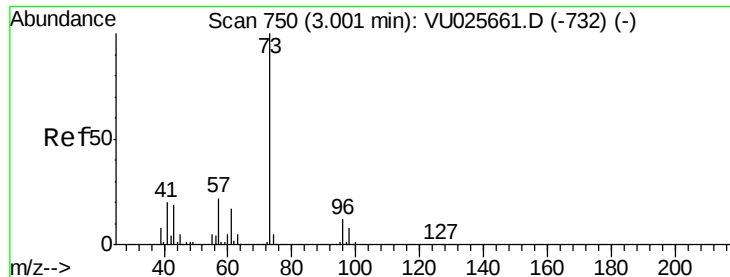
Tot Ion: 76 Resp: 273619
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: 56.42 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion: 43 Resp: 173077
Ion Ratio Lower Upper
43 100
74 23.9 18.5 27.7

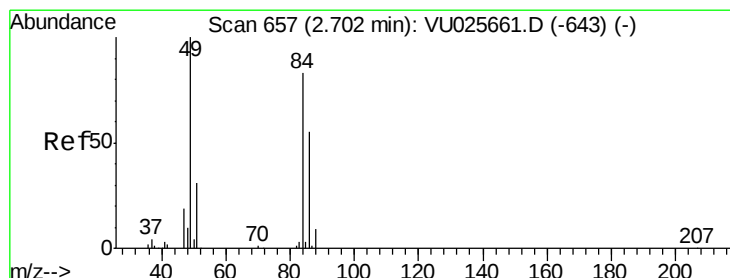
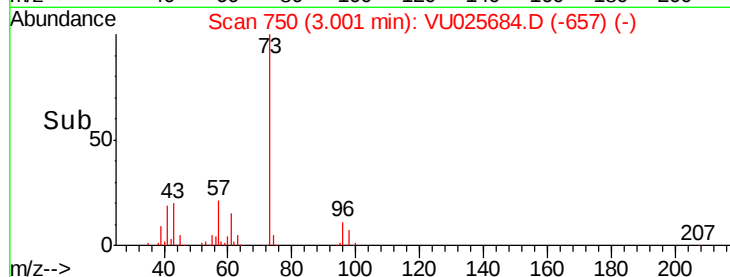
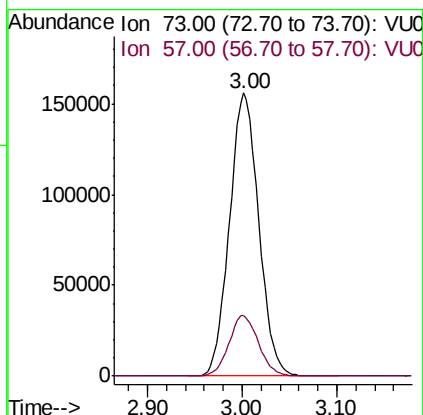
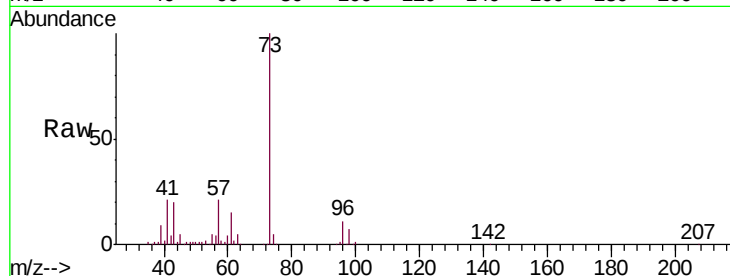




#19
Methyl tert-butyl Ether
Concen: 51.28 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

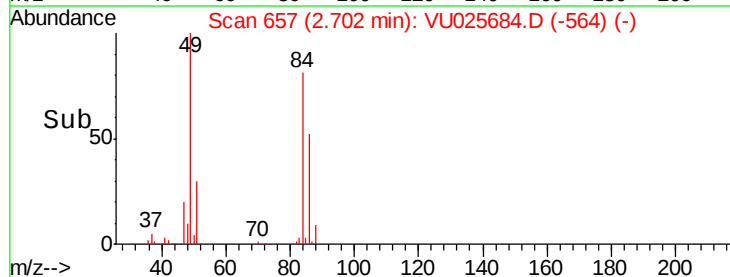
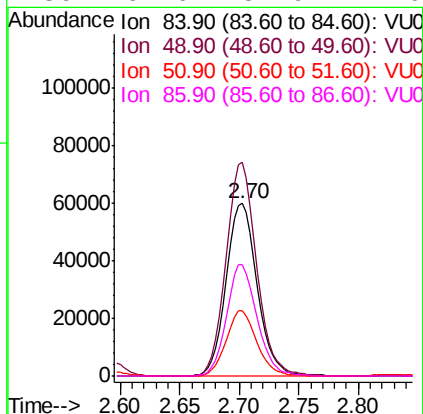
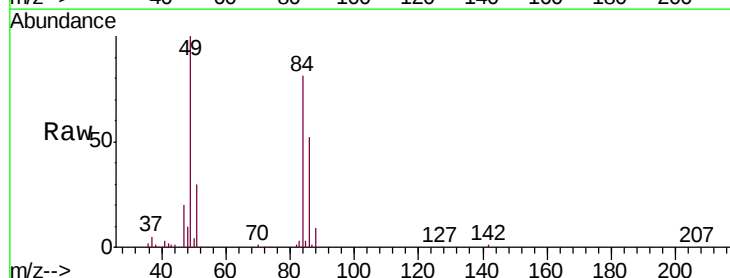
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

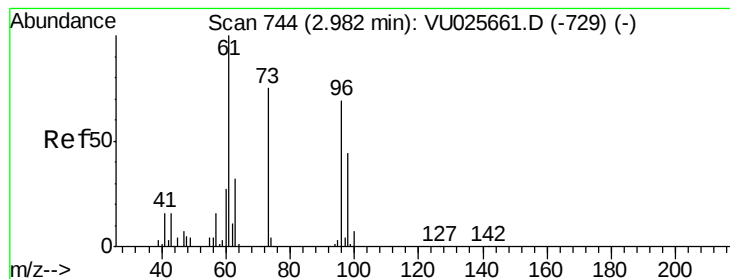
Tot Ion: 73 Resp: 334811
Ion Ratio Lower Upper
73 100
57 21.4 17.4 26.2



#20
Methylene Chloride
Concen: 48.10 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion: 84 Resp: 108653
Ion Ratio Lower Upper
84 100
49 123.7 101.8 152.6
51 37.6 30.8 46.2
86 64.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 49.04 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

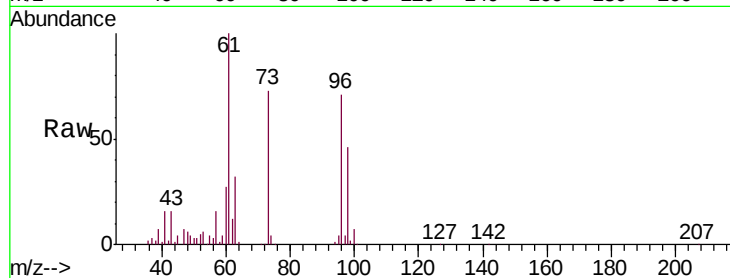
Tot Ion: 96 Resp: 102131

Ion Ratio Lower Upper

96 100

61 141.5 114.5 171.7

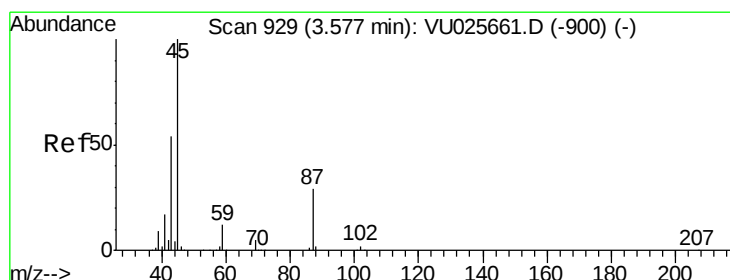
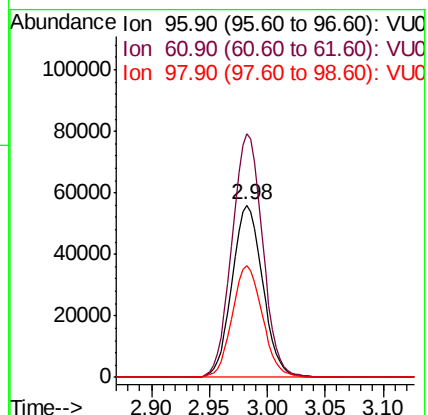
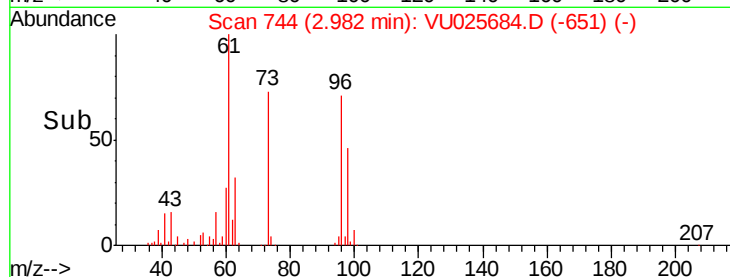
98 65.2 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU025684.D (-651) (-)

Ion 60.90 (60.60 to 61.60): VU025684.D (-651) (-)

Ion 97.90 (97.60 to 98.60): VU025684.D (-651) (-)



#22

Diisopropyl ether

Concen: 51.57 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Tgt Ion: 45 Resp: 329050

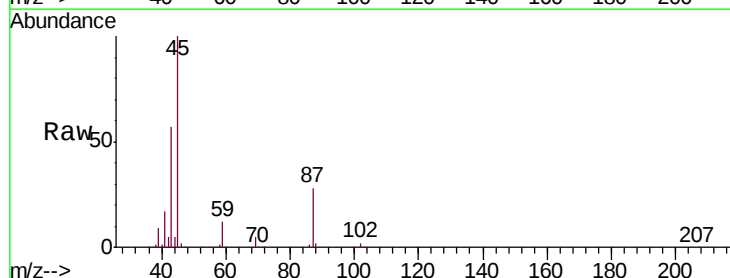
Ion Ratio Lower Upper

45 100

43 56.7 50.9 76.3

87 28.0 23.8 35.8

59 11.5 9.0 13.4

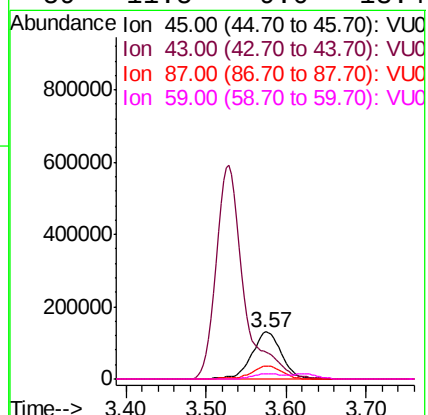
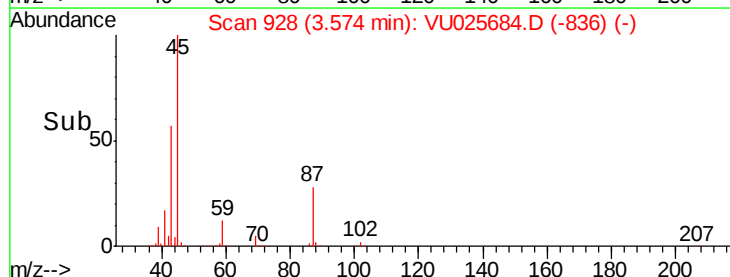


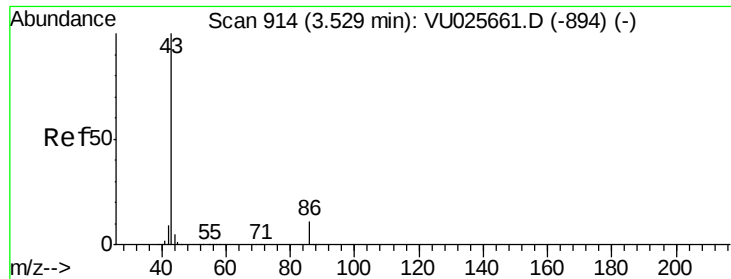
Abundance Ion 45.00 (44.70 to 45.70): VU025684.D (-836) (-)

Ion 43.00 (42.70 to 43.70): VU025684.D (-836) (-)

Ion 87.00 (86.70 to 87.70): VU025684.D (-836) (-)

Ion 59.00 (58.70 to 59.70): VU025684.D (-836) (-)





#23

Vinyl Acetate

Concen: 254.74 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

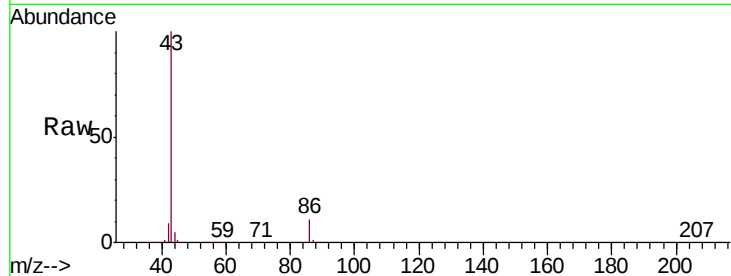
VSTDCCC050

Tot Ion: 43 Resp: 1416366

Ion Ratio Lower Upper

43 100

86 10.6 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU025684.D (-821) (-)

Ion 86.00 (85.70 to 86.70): VU025684.D (-821) (-)

3.53

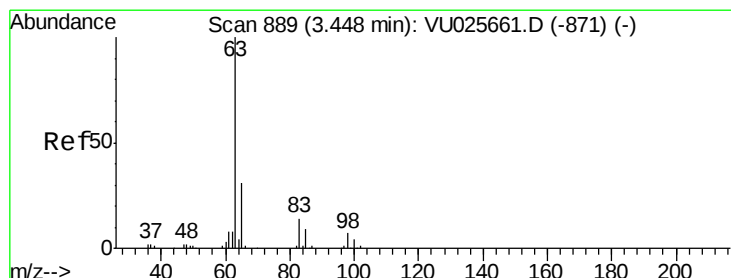
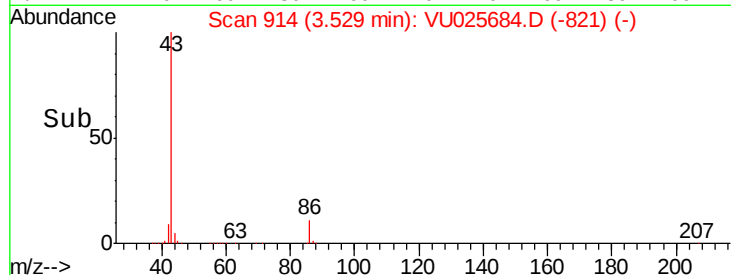
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.23 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

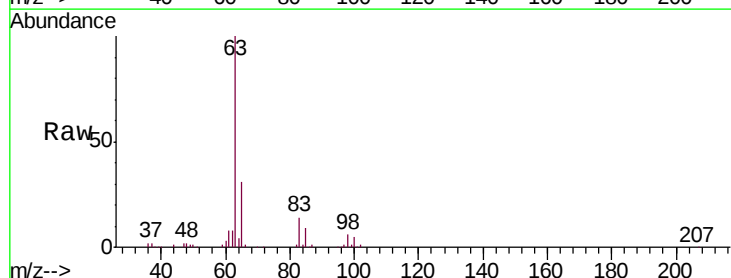
Tgt Ion: 63 Resp: 192394

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU025684.D (-796) (-)

Ion 97.90 (97.60 to 98.60): VU025684.D (-796) (-)

Ion 99.90 (99.60 to 100.60): VU025684.D (-796) (-)

3.45

120000

100000

80000

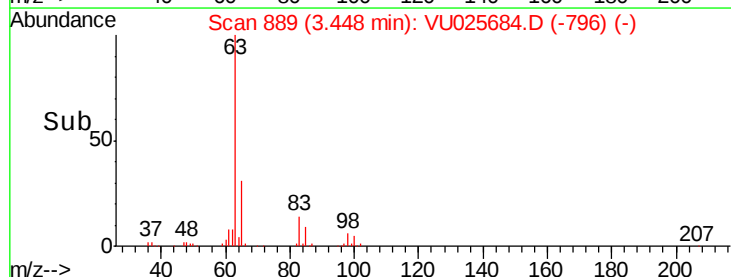
60000

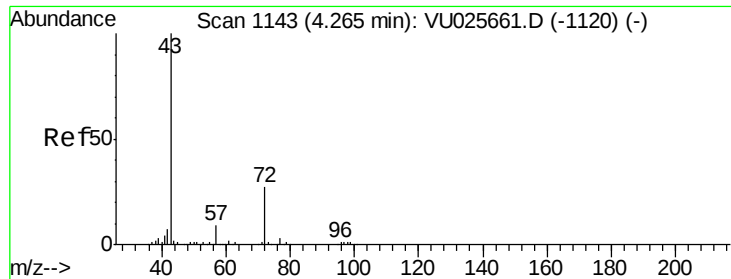
40000

20000

0

Time-->





#25

2-Butanone

Concen: 254.52 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

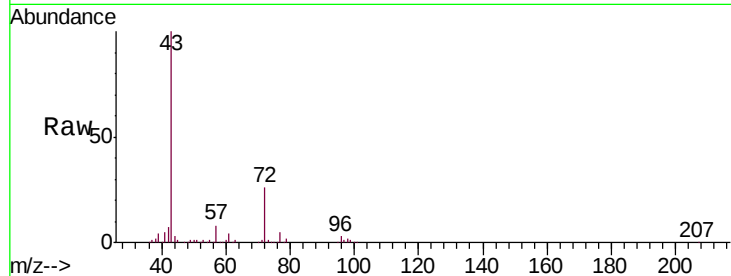
VSTDCCC050

Tot Ion: 43 Resp: 441622

Ion Ratio Lower Upper

43 100

72 25.7 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.27

200000

150000

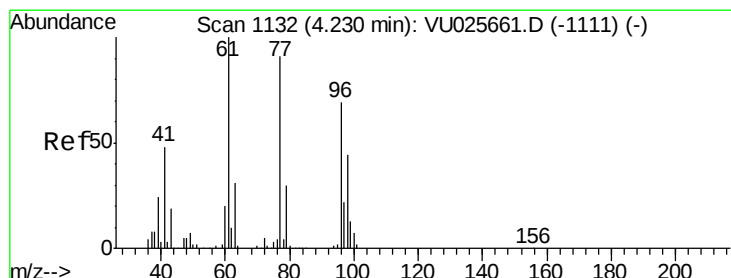
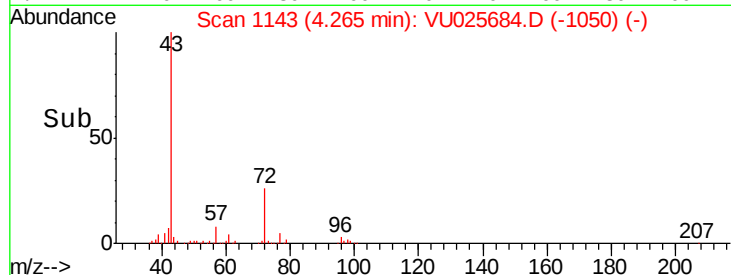
100000

50000

0

Time-->

4.20 4.30



#26

2,2-Dichloropropane

Concen: 42.55 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025684.D

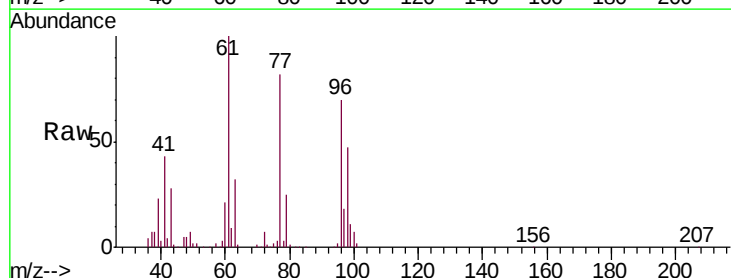
Acq: 27 Jul 2018 21:33

Tgt Ion: 77 Resp: 148118

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

60000

50000

40000

30000

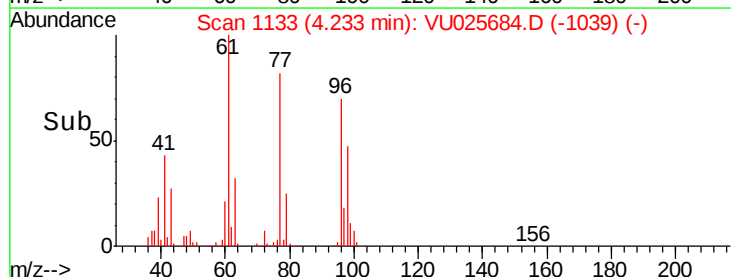
20000

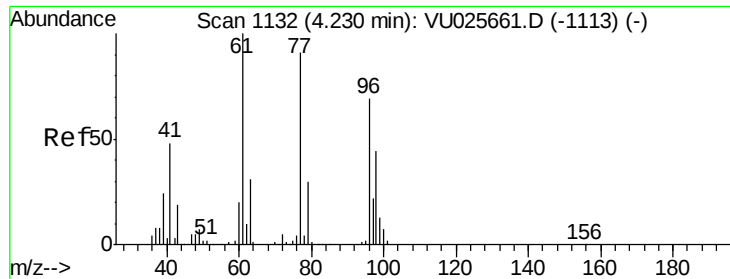
10000

0

Time-->

4.10 4.20 4.30

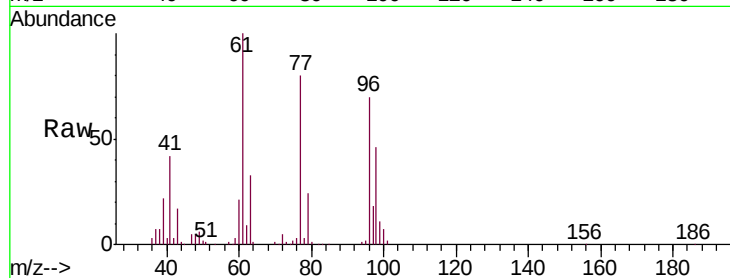




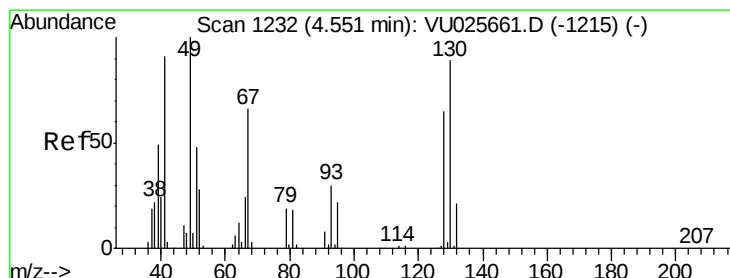
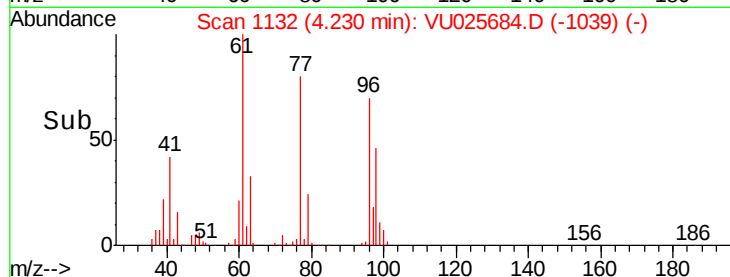
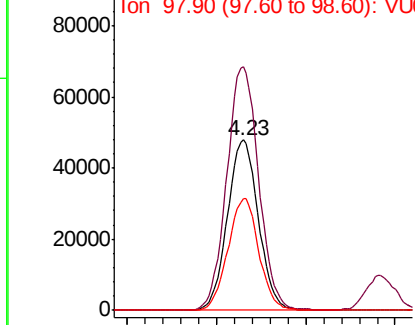
#27
 cis-1,2-Dichloroethene
 Concen: 49.09 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 115261
 Ion Ratio Lower Upper
 96 100
 61 146.9 0.0 299.8
 98 65.5 0.0 128.6

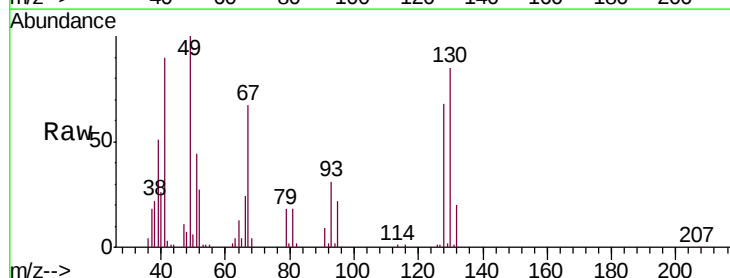


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

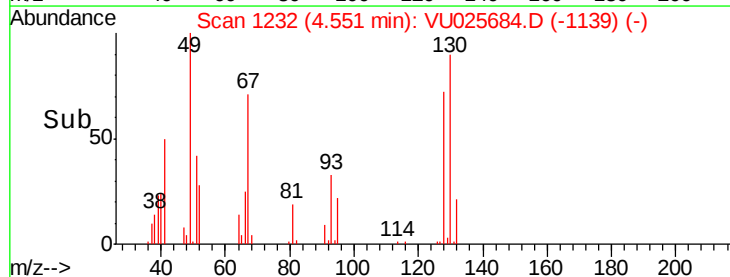
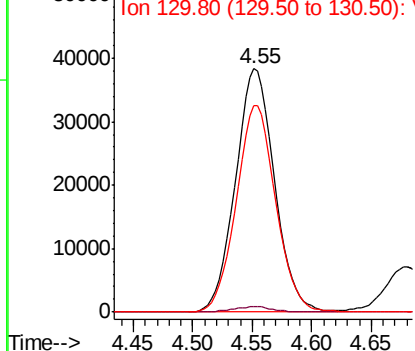


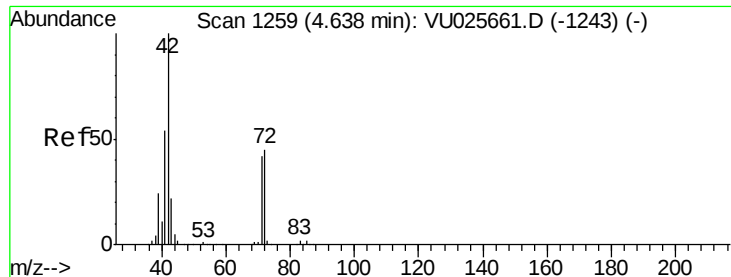
#28
 Bromochloromethane
 Concen: 50.96 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion: 49 Resp: 87259
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.6
 130 85.6 68.6 102.8



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





#29

Tetrahydrofuran

Concen: 264.86 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

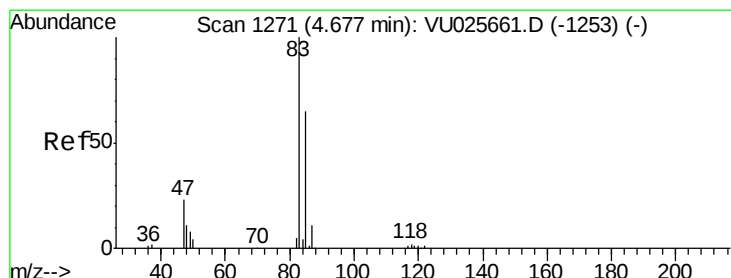
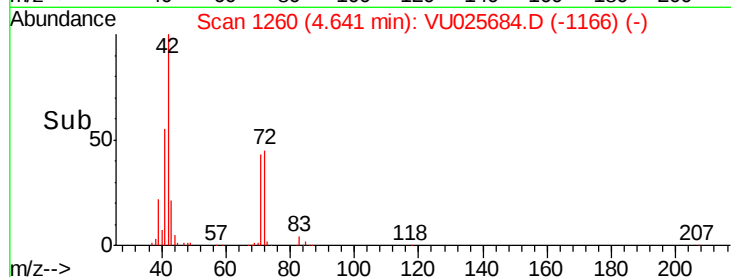
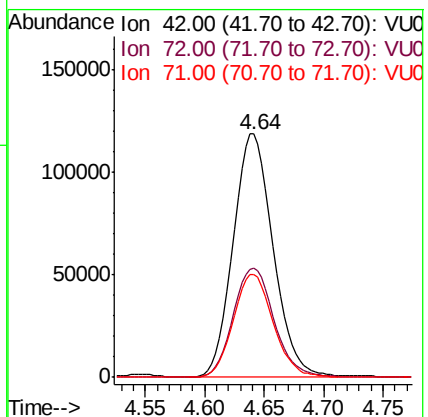
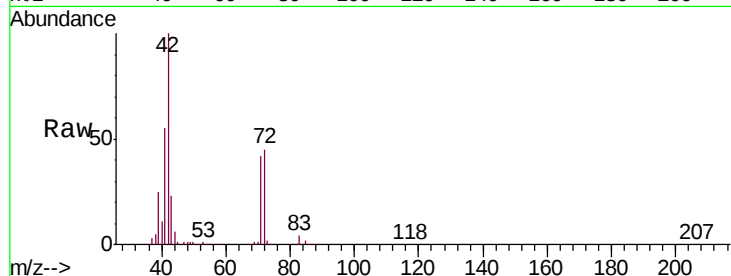
Tot Ion: 42 Resp: 275337

Ion Ratio Lower Upper

42 100

72 46.5 36.7 55.1

71 42.5 33.9 50.9



#30

Chloroform

Concen: 49.92 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025684.D

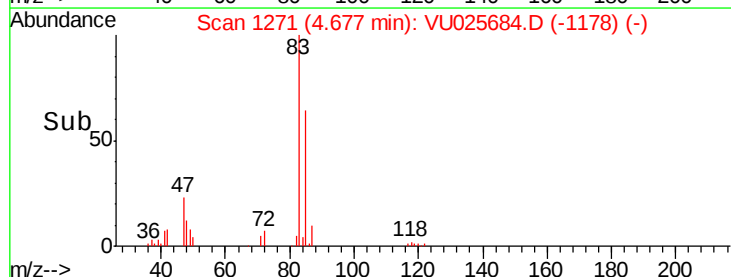
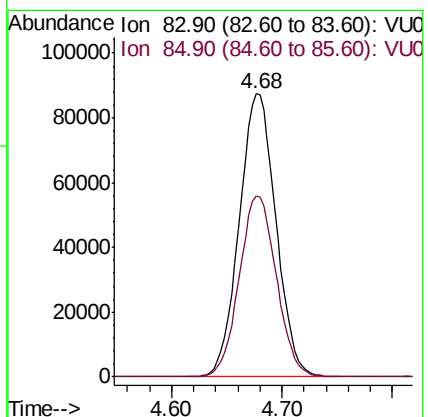
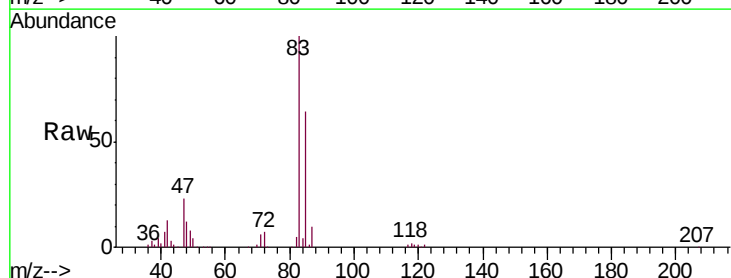
Acq: 27 Jul 2018 21:33

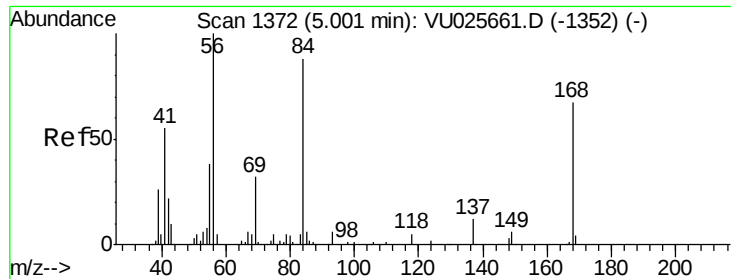
Tgt Ion: 83 Resp: 201797

Ion Ratio Lower Upper

83 100

85 64.1 51.5 77.3

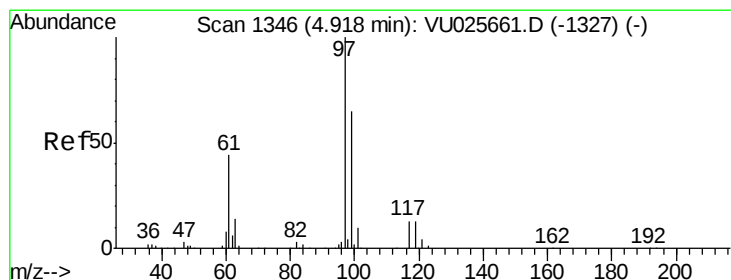
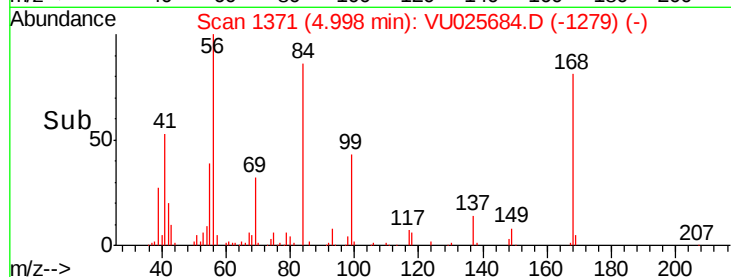
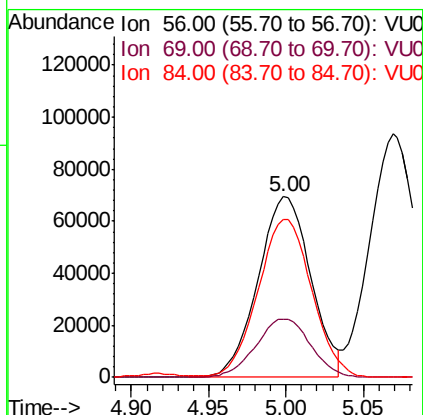
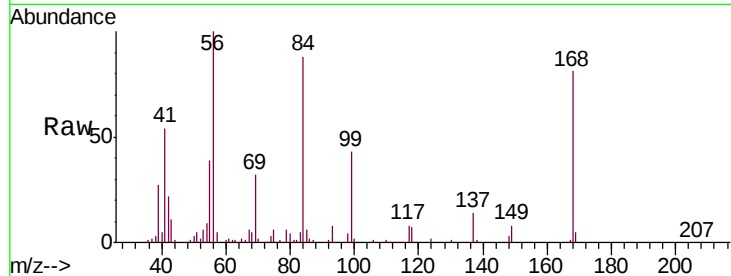




#31
Cyclohexane
Concen: 49.52 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

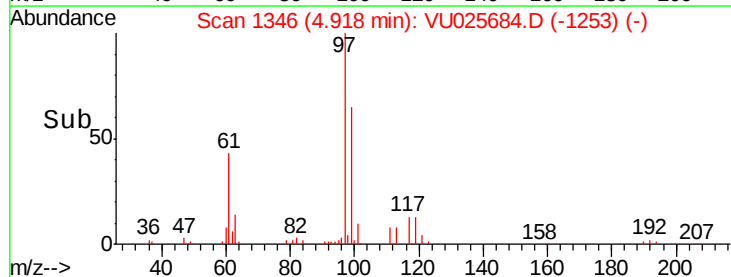
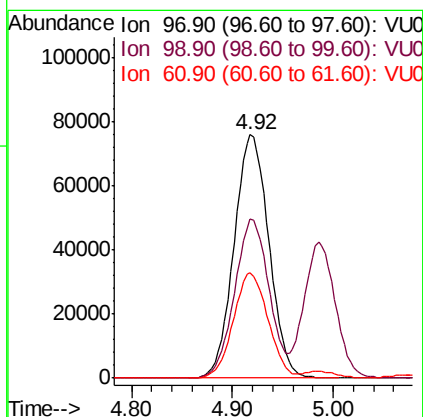
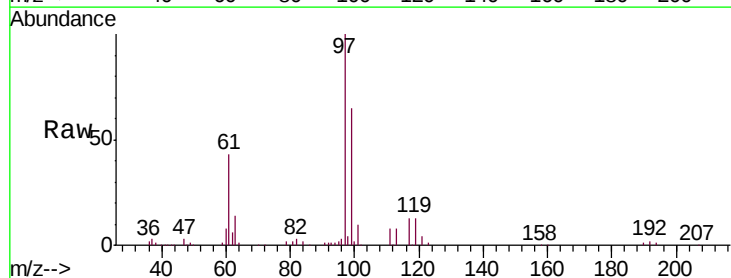
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

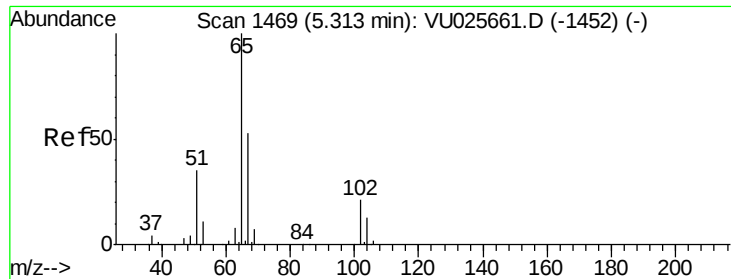
Tot Ion: 56 Resp: 165008
Ion Ratio Lower Upper
56 100
69 32.4 26.8 40.2
84 86.8 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 49.90 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion: 97 Resp: 181627
Ion Ratio Lower Upper
97 100
99 65.3 50.8 76.2
61 43.3 35.2 52.8

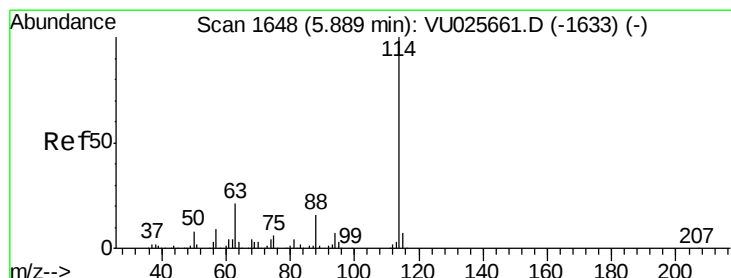
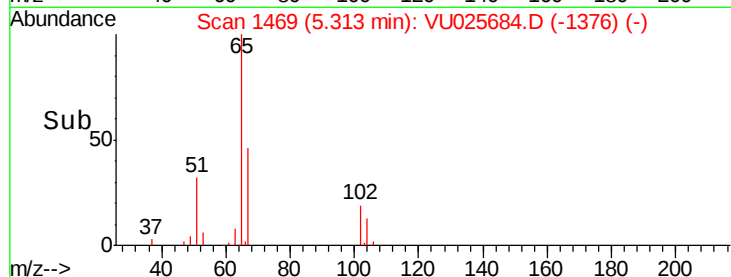
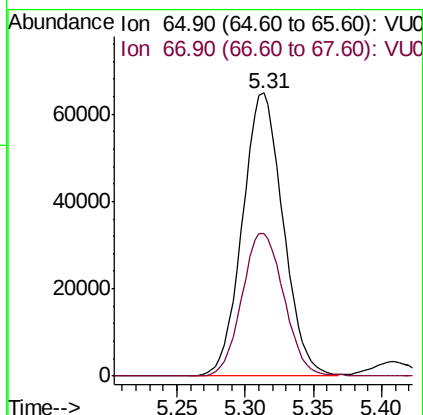
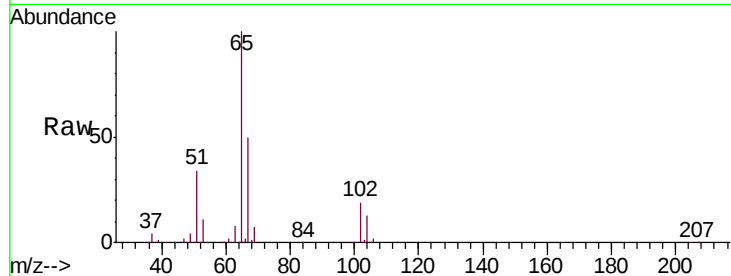




#33
 1,2-Dichloroethane-d4
 Concen: 51.35 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

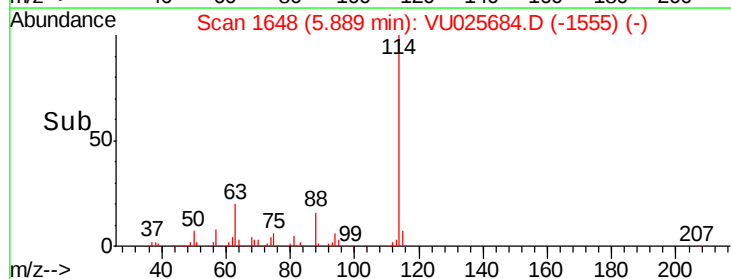
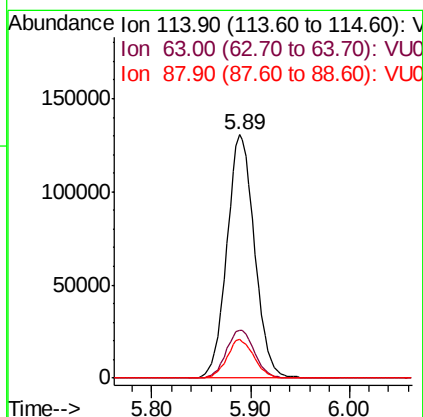
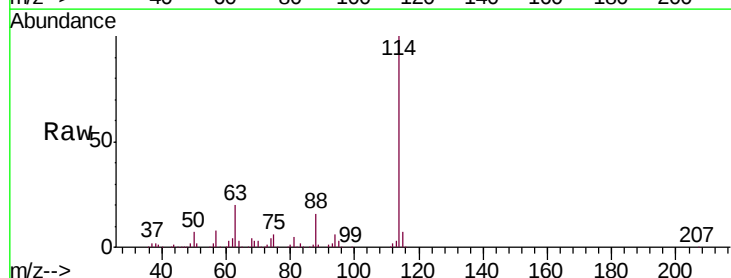
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

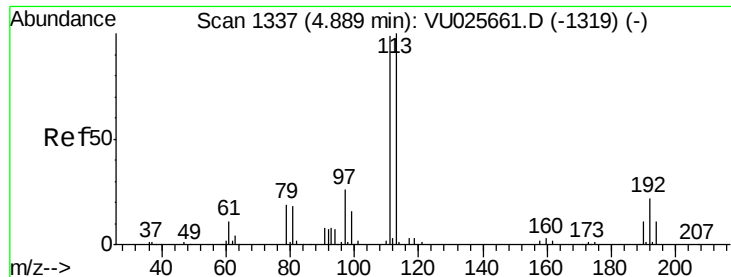
Tot Ion: 65 Resp: 134264
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion: 114 Resp: 255216
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.6
 88 15.7 0.0 32.4

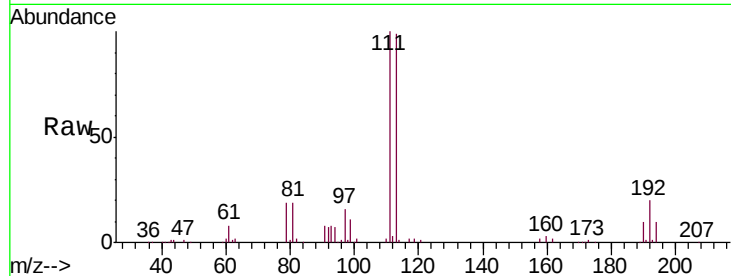




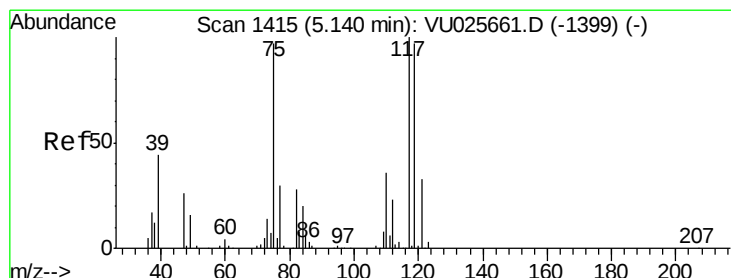
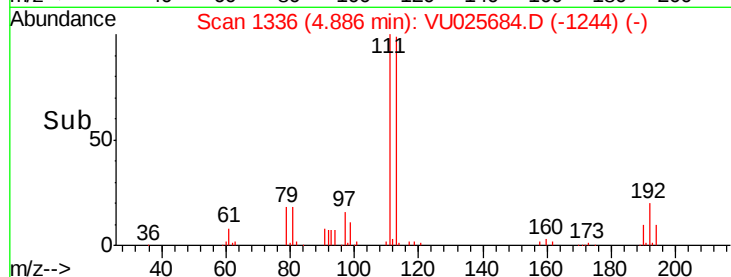
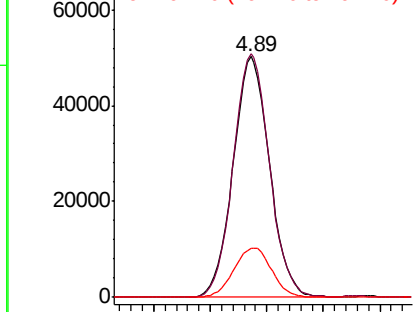
#35
Dibromofluoromethane
Concen: 50.67 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:113 Resp: 112479
Ion Ratio Lower Upper
113 100
111 100.7 81.7 122.5
192 21.2 17.1 25.7

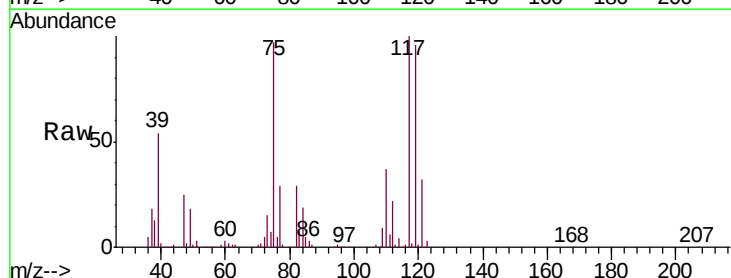


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

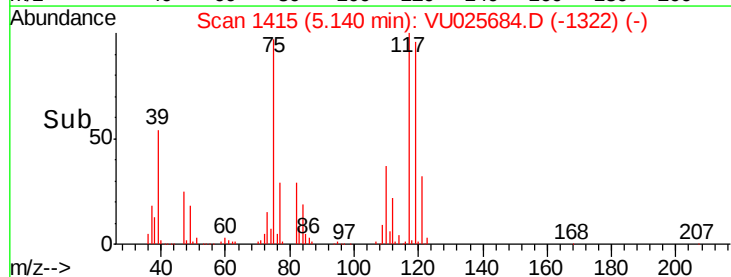
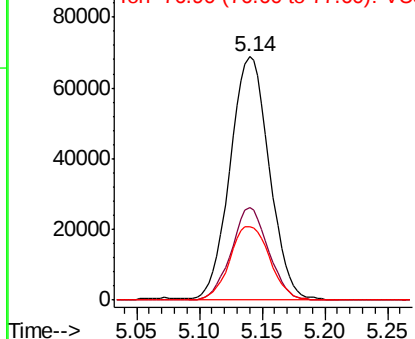


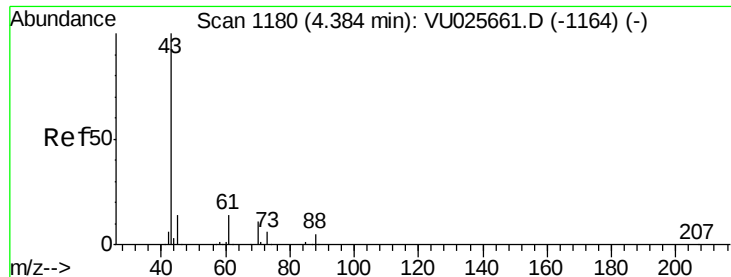
#36
1,1-Dichloropropene
Concen: 49.84 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion: 75 Resp: 148664
Ion Ratio Lower Upper
75 100
110 36.1 17.6 52.9
77 31.2 24.4 36.6



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

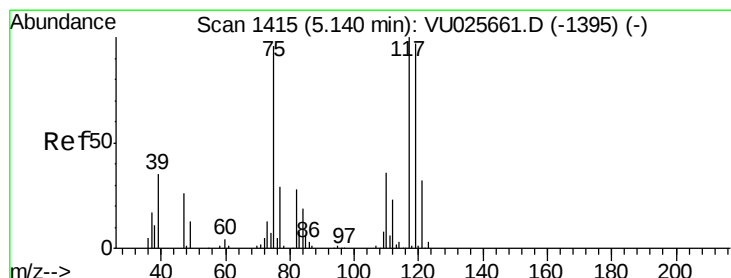
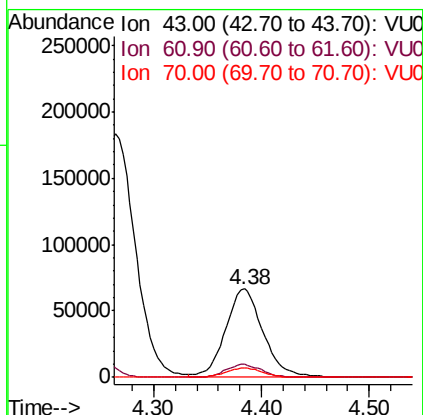
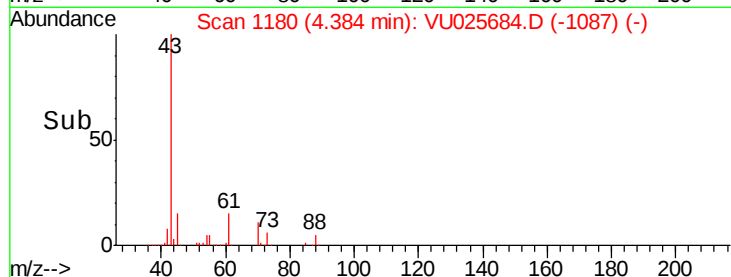
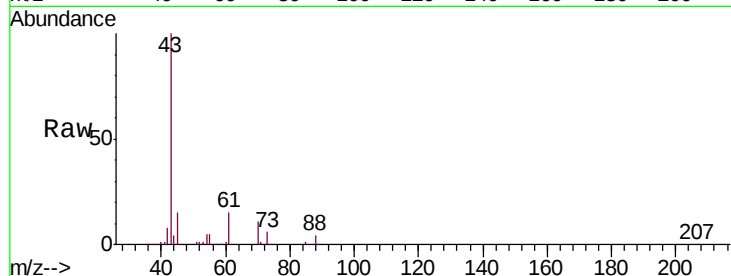




#37
Ethyl Acetate
Concen: 51.36 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

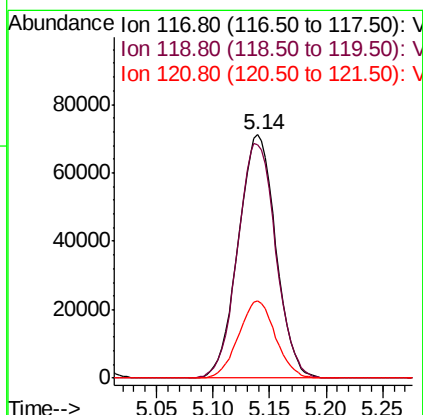
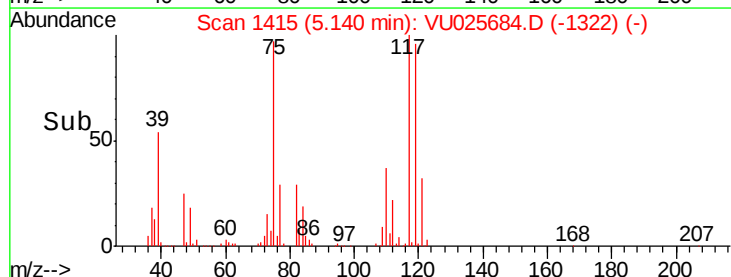
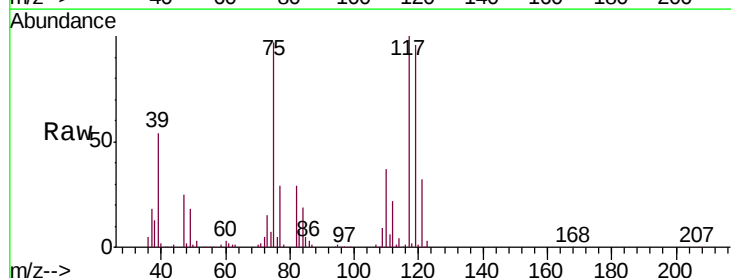
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

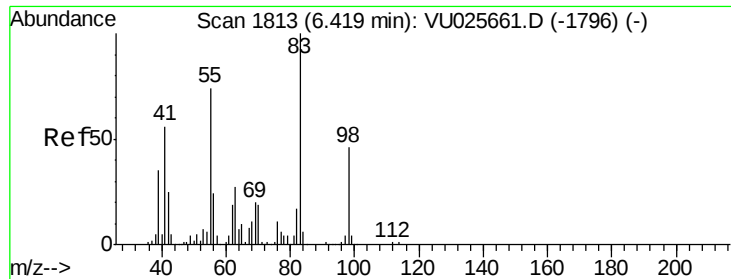
Tot Ion: 43 Resp: 158827
Ion Ratio Lower Upper
43 100
61 13.9 10.7 16.1
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 48.69 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion: 117 Resp: 164472
Ion Ratio Lower Upper
117 100
119 96.1 75.7 113.5
121 31.8 24.6 36.8

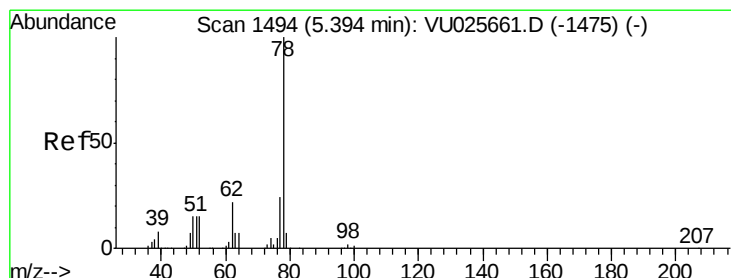
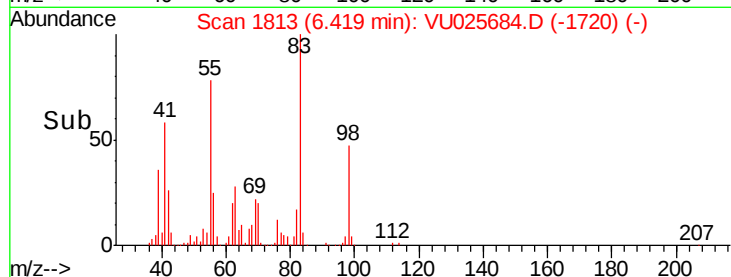
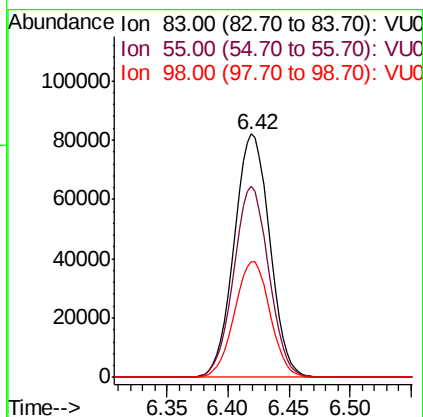
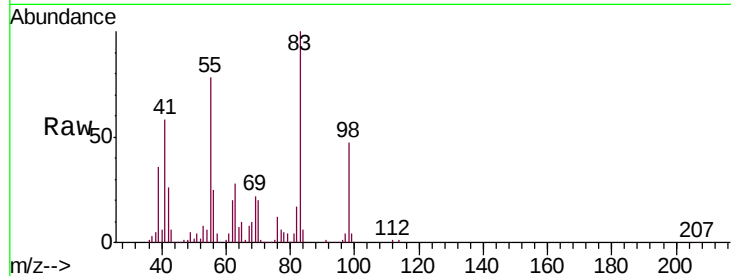




#39
Methvlcvclohexane
Concen: 48.55 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

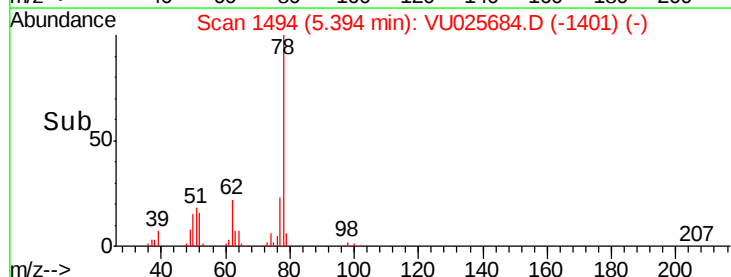
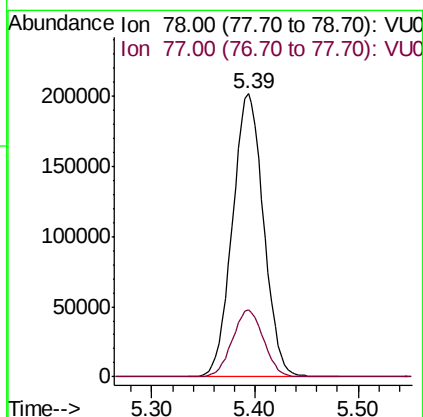
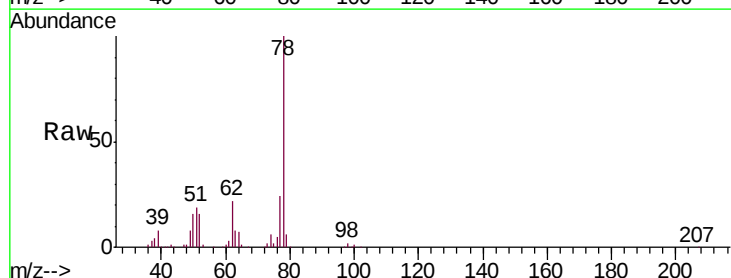
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

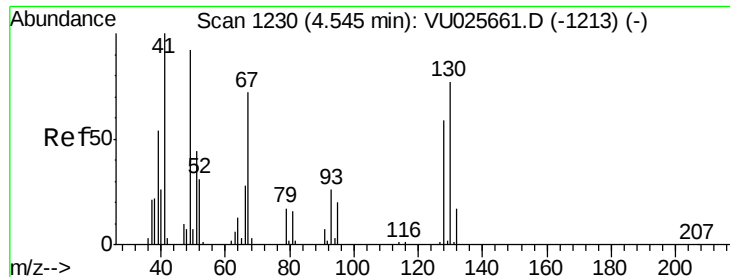
Tot Ion: 83 Resp: 165932
Ion Ratio Lower Upper
83 100
55 78.4 60.0 90.0
98 47.4 36.1 54.1



#40
Benzene
Concen: 48.70 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion: 78 Resp: 424592
Ion Ratio Lower Upper
78 100
77 23.5 19.8 29.6

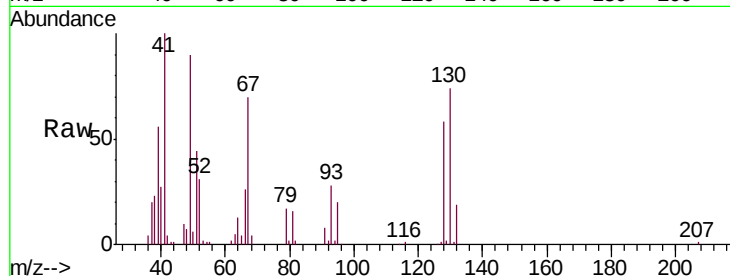




#41
Methacrylonitrile
Concen: 51.84 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	89051
Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.4	66.6
67	70.6	56.0	84.0
52	29.9	24.6	36.8



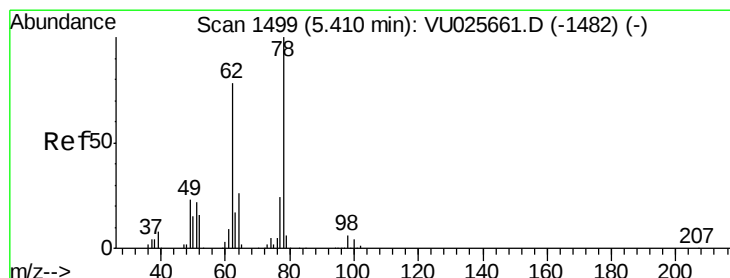
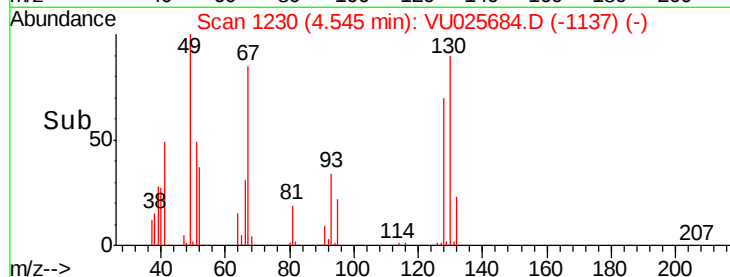
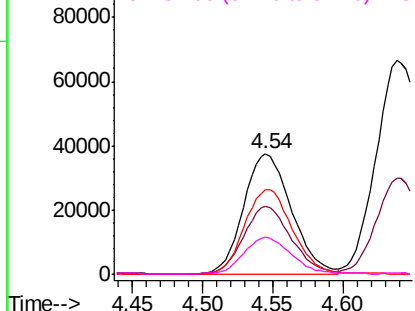
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

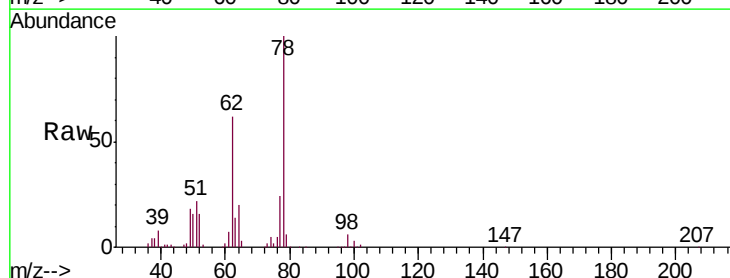
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 49.22 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

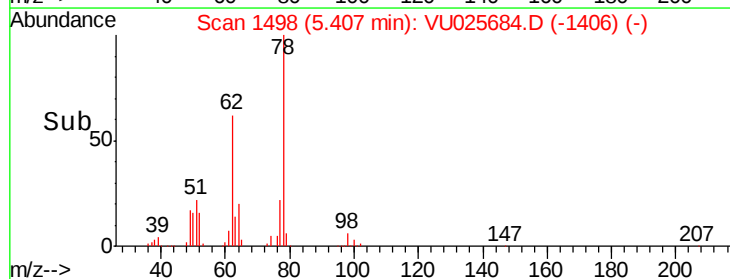
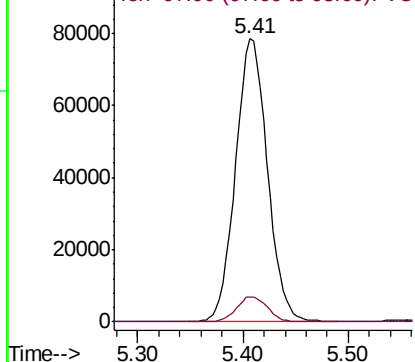
Tgt Ion:	62	Resp:	165223
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4

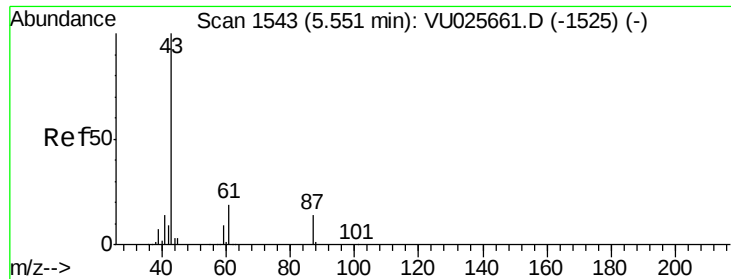


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 50.95 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

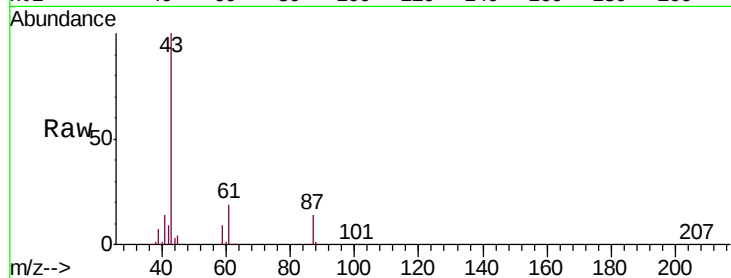
Tot Ion: 43 Resp: 260408

Ion Ratio Lower Upper

43 100

61 19.4 15.5 23.3

87 13.4 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-1525) (-)

Ion 61.00 (60.70 to 61.70): VU025661.D (-1525) (-)

Ion 87.00 (86.70 to 87.70): VU025661.D (-1525) (-)

5.55

150000

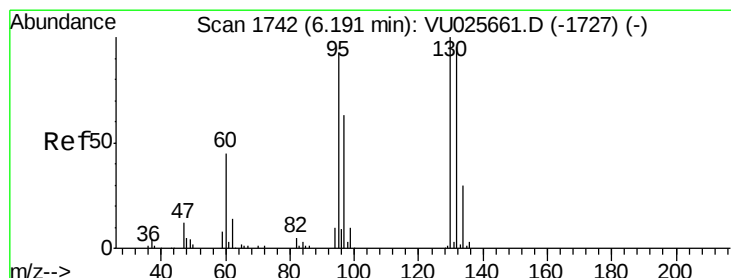
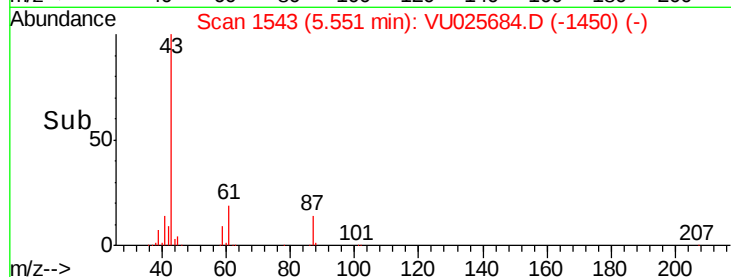
100000

50000

0

Time-->

5.50 5.60 5.70



#44

Trichloroethene

Concen: 48.59 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025684.D

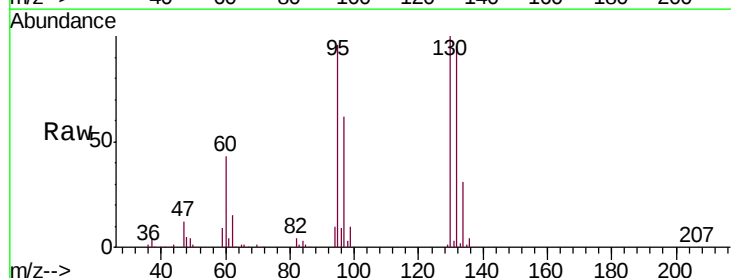
Acq: 27 Jul 2018 21:33

Tgt Ion: 130 Resp: 117978

Ion Ratio Lower Upper

130 100

95 95.6 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025661.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU025661.D (-1727) (-)

6.19

60000

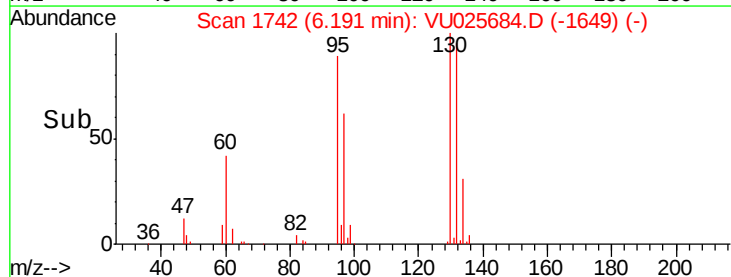
40000

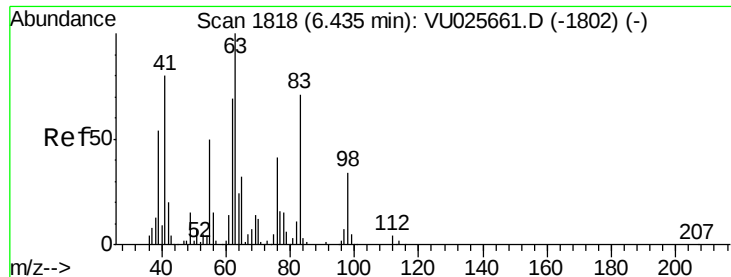
20000

0

Time-->

6.10 6.15 6.20 6.25

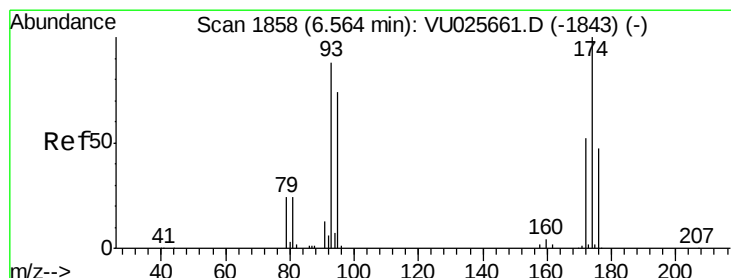
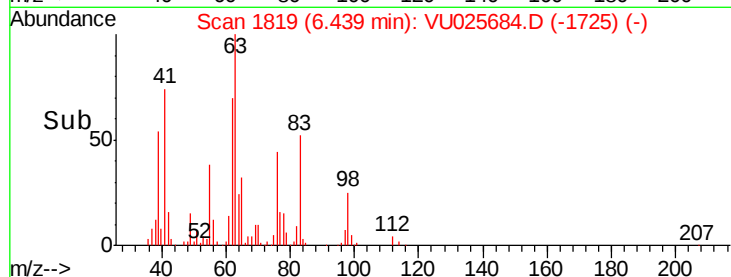
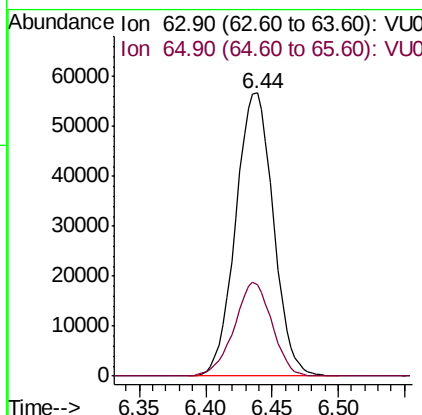
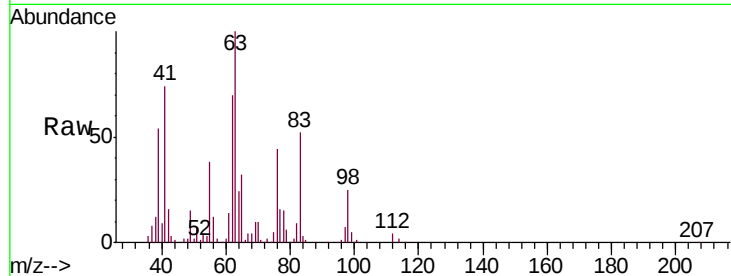




#45
 1,2-Dichloropropane
 Concen: 49.29 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

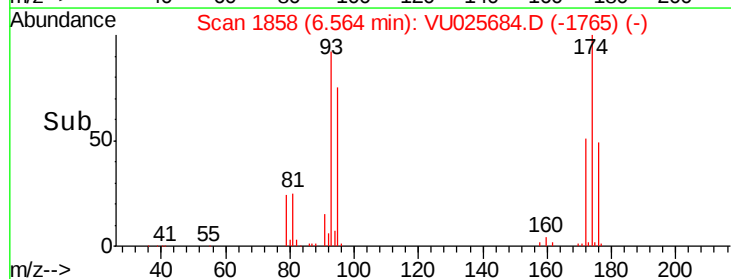
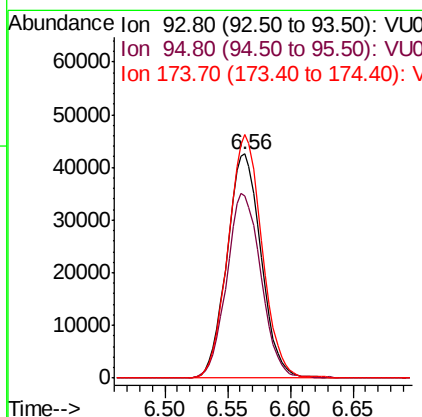
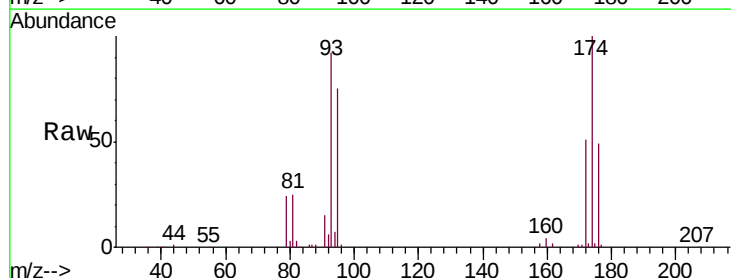
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

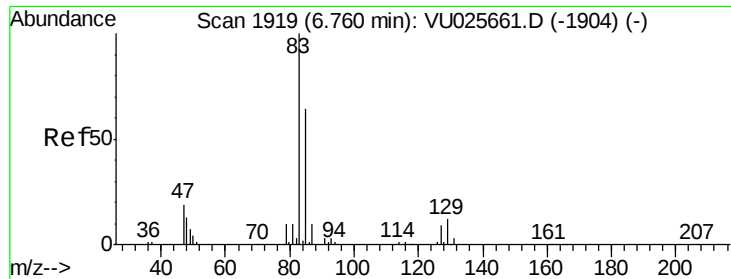
Tot Ion: 63 Resp: 112082
 Ion Ratio Lower Upper
 63 100
 65 32.3 26.1 39.1



#46
 Dibromomethane
 Concen: 49.10 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion: 93 Resp: 80898
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.6 100.0
 174 107.4 85.8 128.8





#47

Bromodichloromethane

Concen: 49.69 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

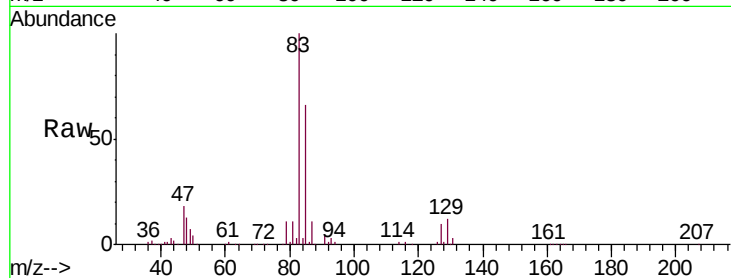
Tot Ion: 83 Resp: 156149

Ion Ratio Lower Upper

83 100

85 65.9 50.2 75.4

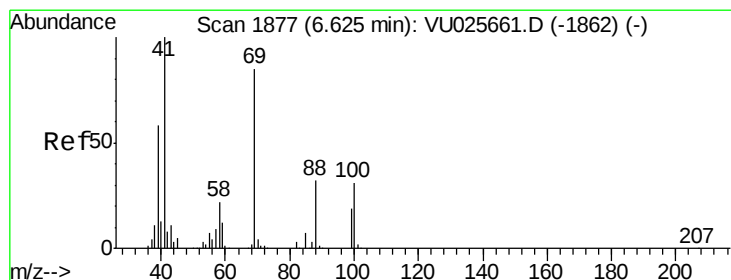
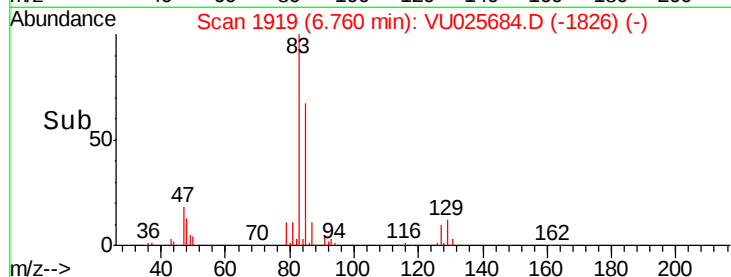
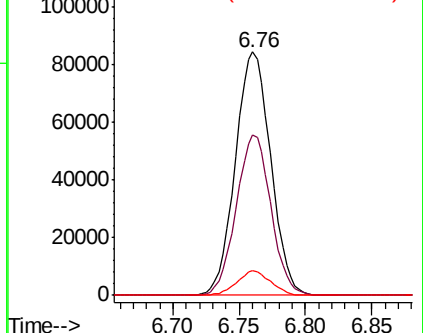
127 9.9 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU025684.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025684.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025684.D (-1826) (-)



#48

Methyl methacrylate

Concen: 52.52 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

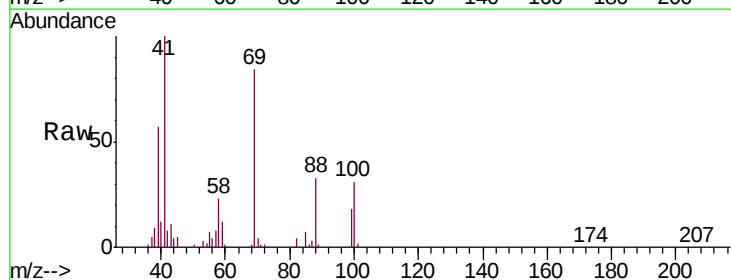
Tgt Ion: 41 Resp: 131548

Ion Ratio Lower Upper

41 100

69 85.5 65.0 97.4

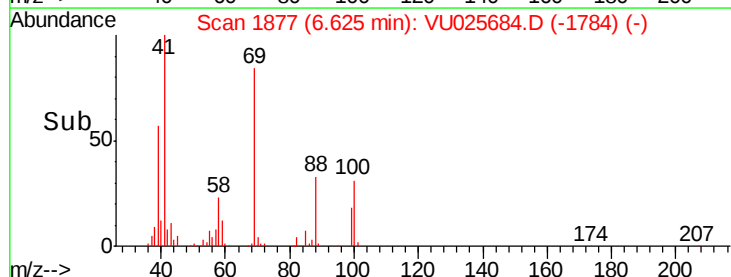
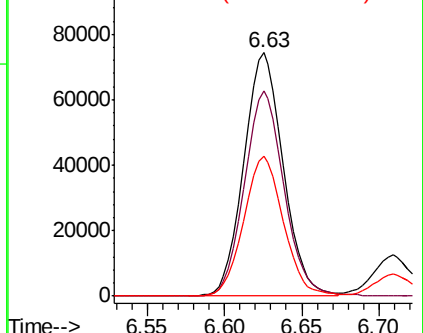
39 58.1 46.4 69.6

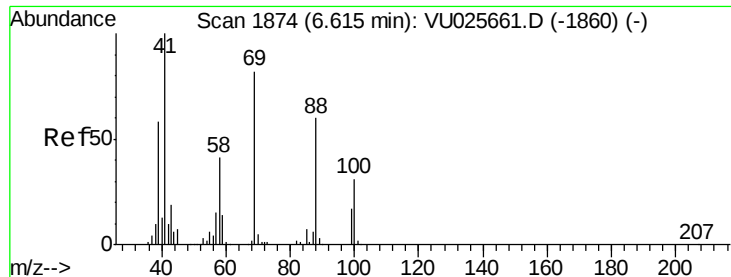


Abundance Ion 41.00 (40.70 to 41.70): VU025684.D (-1784) (-)

Ion 69.00 (68.70 to 69.70): VU025684.D (-1784) (-)

Ion 39.00 (38.70 to 39.70): VU025684.D (-1784) (-)

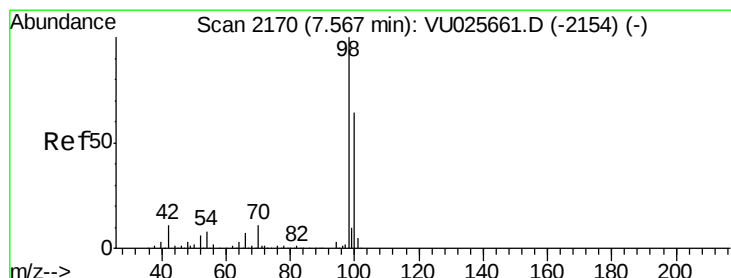
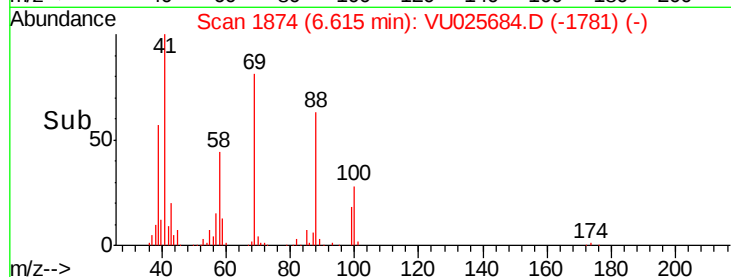
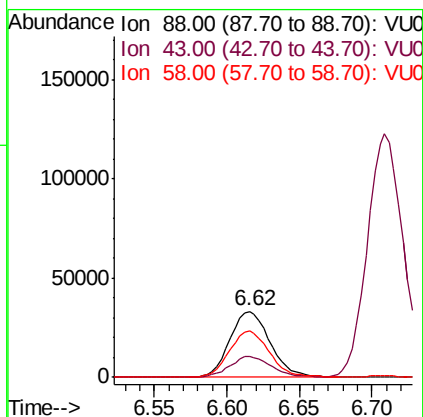
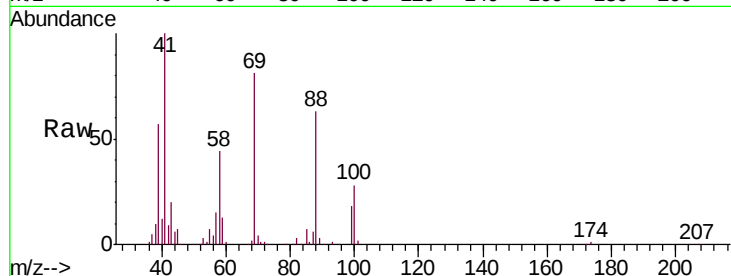




#49
1,4-Dioxane
Concen: 1041.92 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

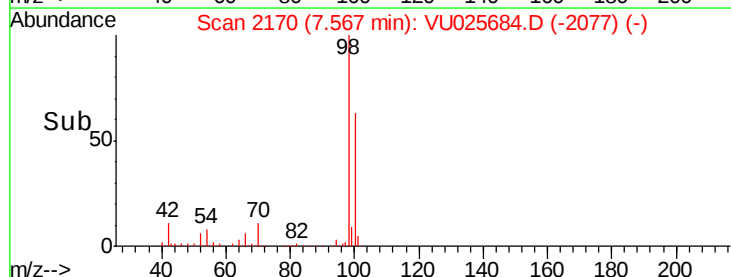
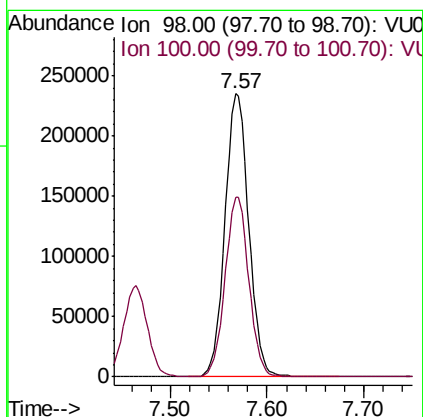
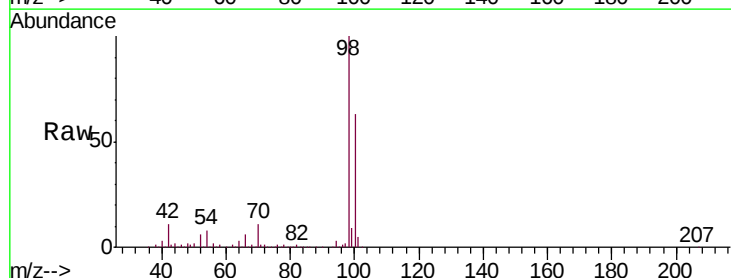
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

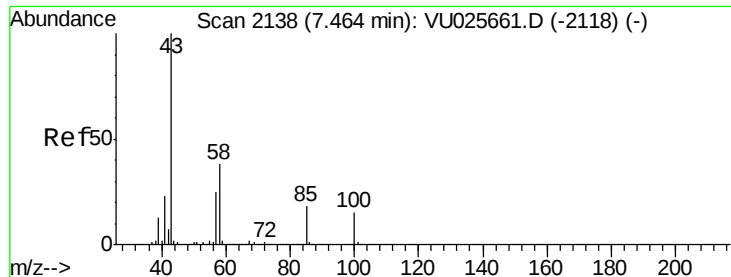
Tot Ion: 88 Resp: 63508
Ion Ratio Lower Upper
88 100
43 33.3 27.3 40.9
58 70.8 57.6 86.4



#50
Toluene-d8
Concen: 51.59 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion: 98 Resp: 400759
Ion Ratio Lower Upper
98 100
100 63.4 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 262.36 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

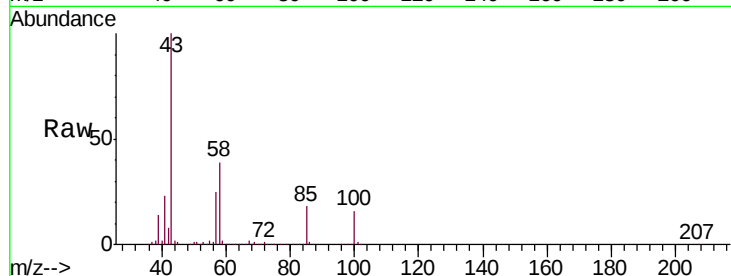
VSTDCCC050

Tot Ion: 43 Resp: 839421

Ion Ratio Lower Upper

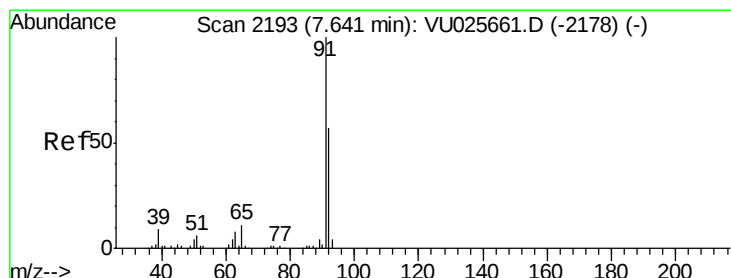
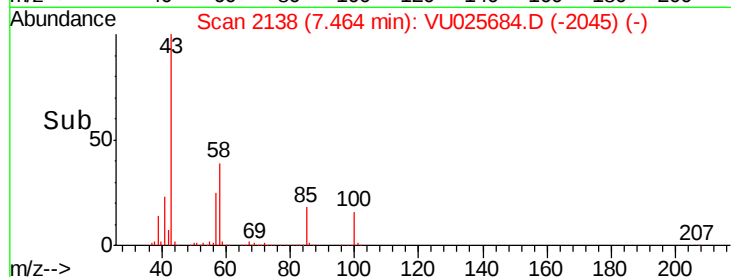
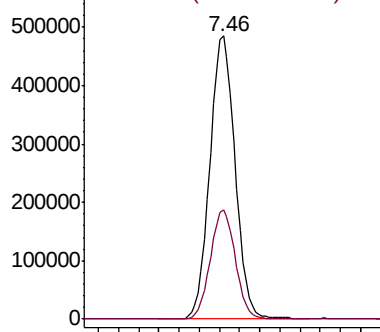
43 100

58 38.5 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 50.26 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025684.D

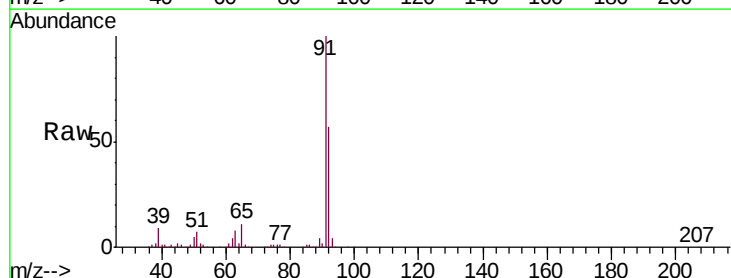
Acq: 27 Jul 2018 21:33

Tgt Ion: 92 Resp: 272214

Ion Ratio Lower Upper

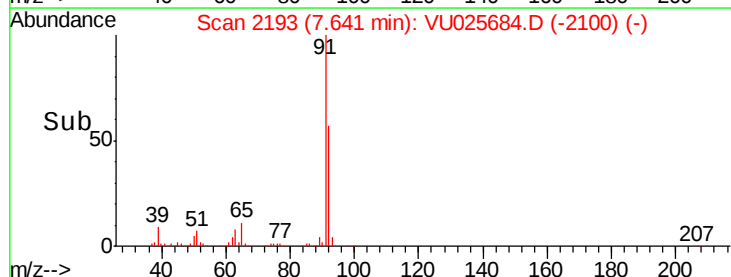
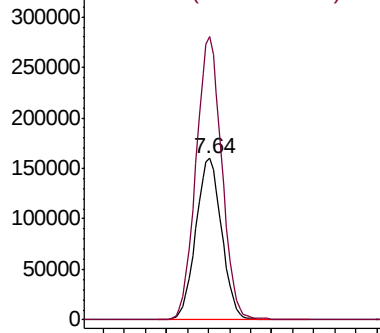
92 100

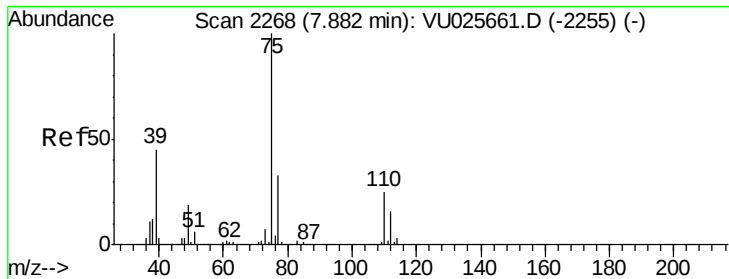
91 174.3 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 49.26 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

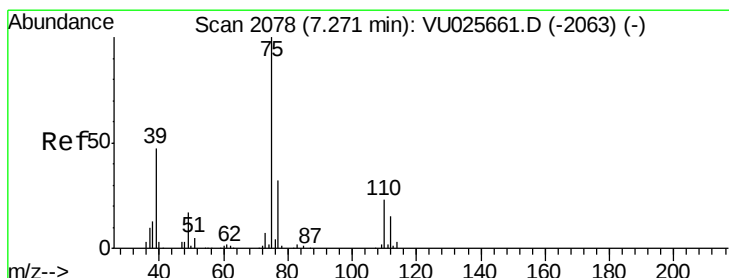
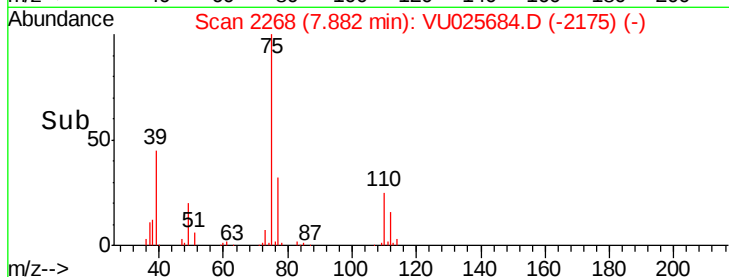
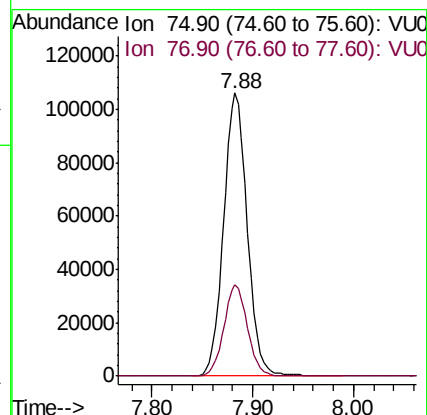
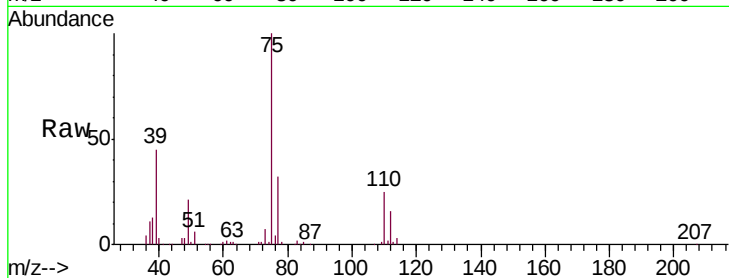
VSTDCCC050

Tot Ion: 75 Resp: 173831

Ion Ratio Lower Upper

75 100

77 32.3 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 49.57 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

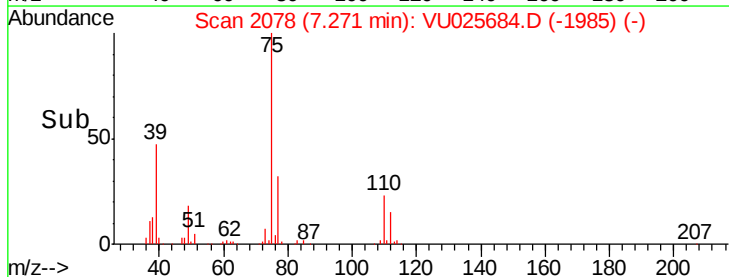
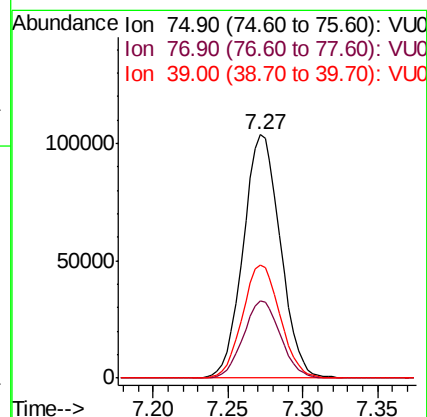
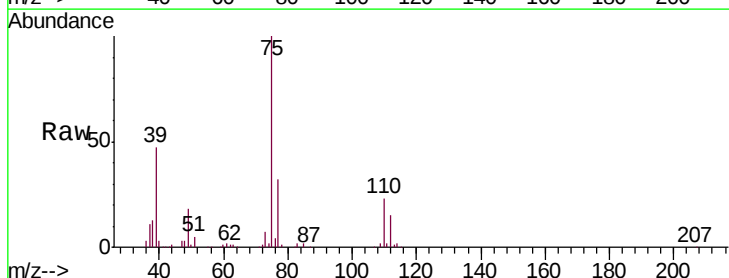
Tgt Ion: 75 Resp: 179683

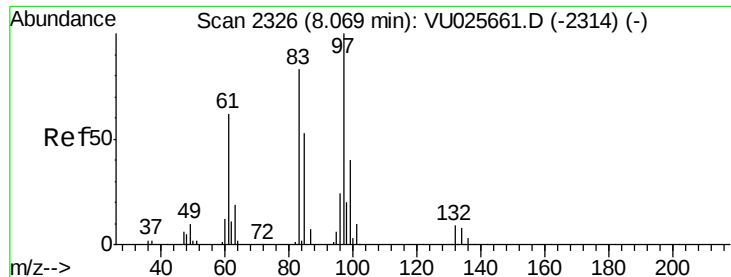
Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 46.6 40.0 60.0

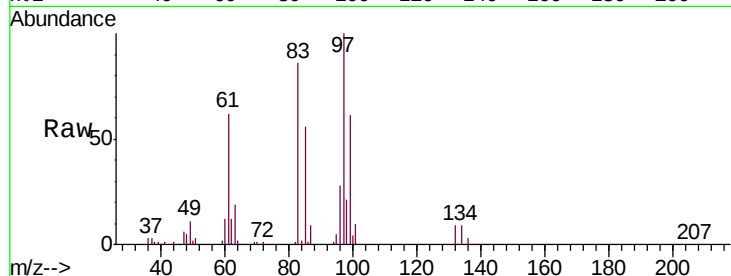




#55
 1,1,2-Trichloroethane
 Concen: 49.38 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	111151
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.9	103.3
85	55.6	44.4	66.6
99	60.8	51.0	76.4



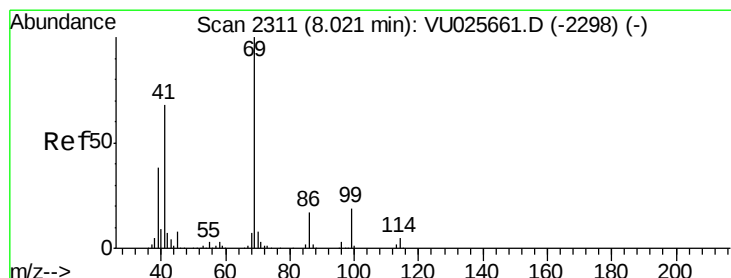
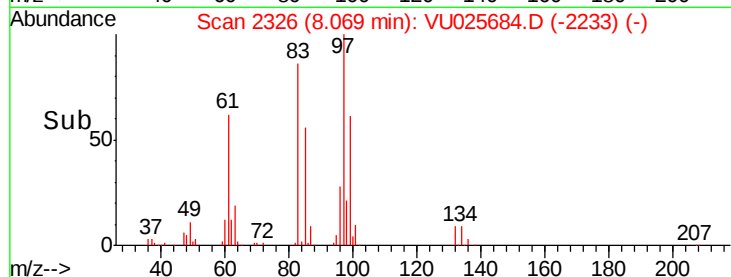
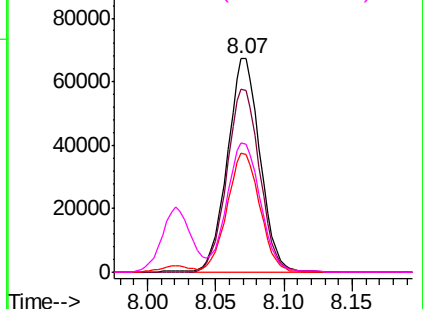
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

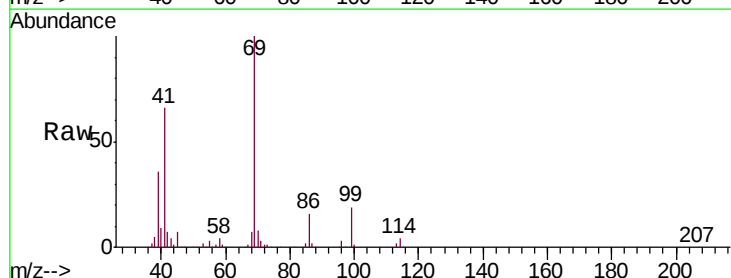
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 52.47 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion:	69	Resp:	168745
Ion	Ratio	Lower	Upper
69	100		
41	65.9	54.8	82.2
39	36.6	31.1	46.7

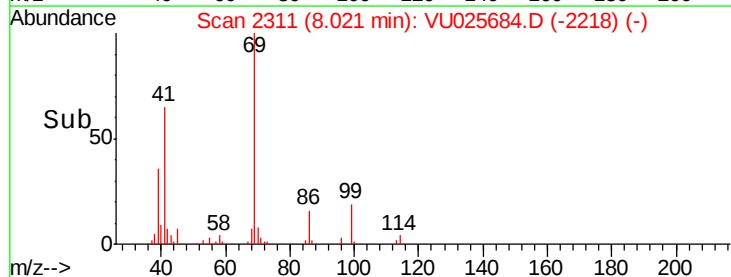
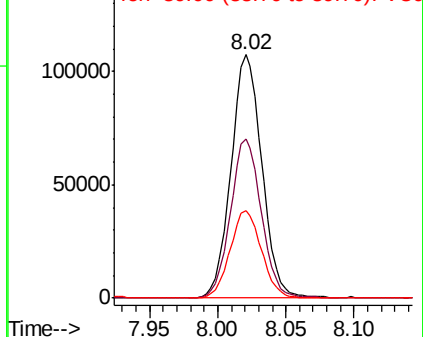


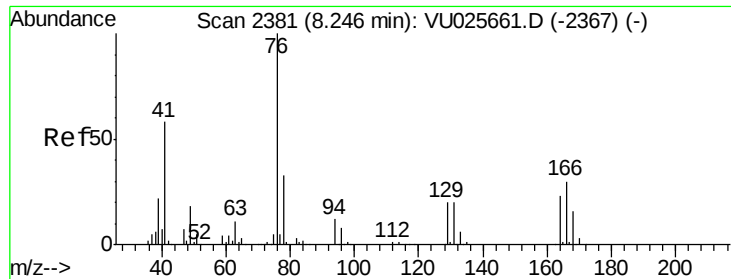
Abundance

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

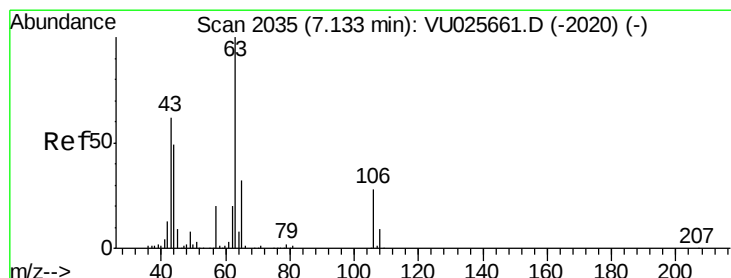
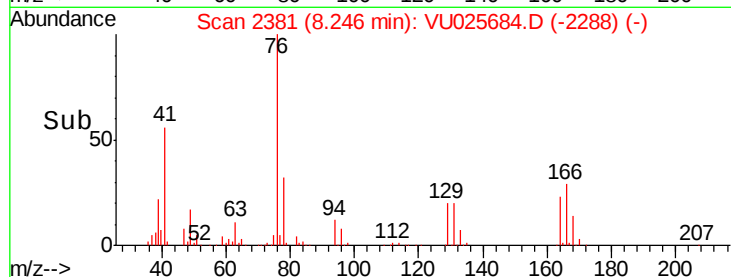
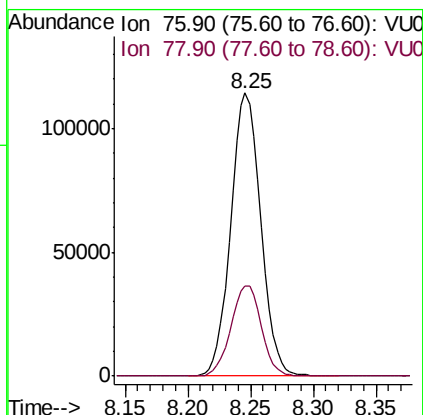
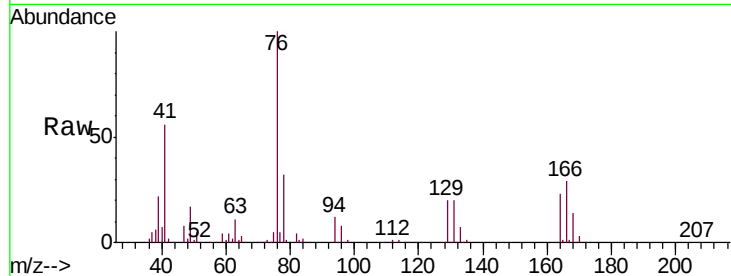




#57
 1,3-Dichloropropane
 Concen: 50.26 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

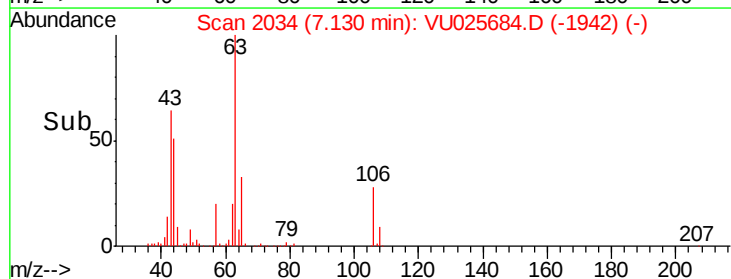
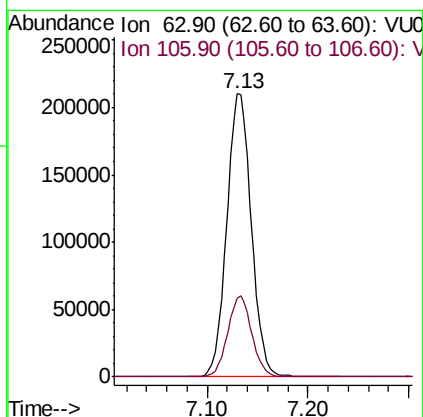
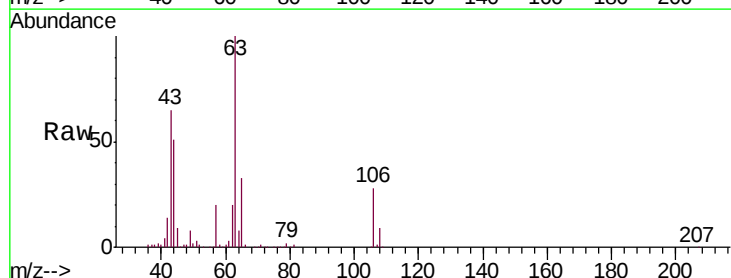
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

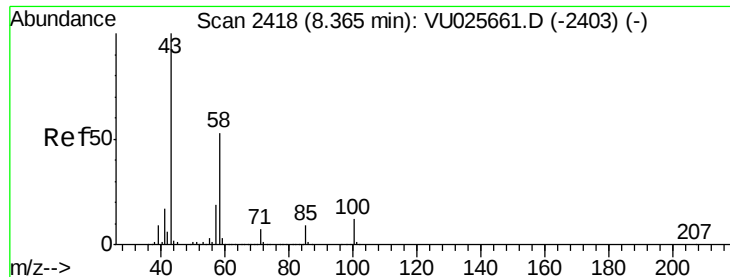
Tot Ion: 76 Resp: 190245
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.39 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion: 63 Resp: 357177
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.3 33.5

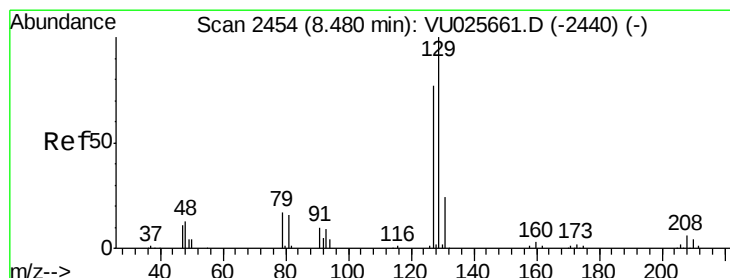
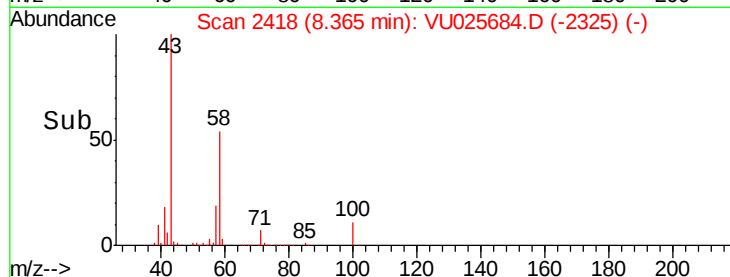
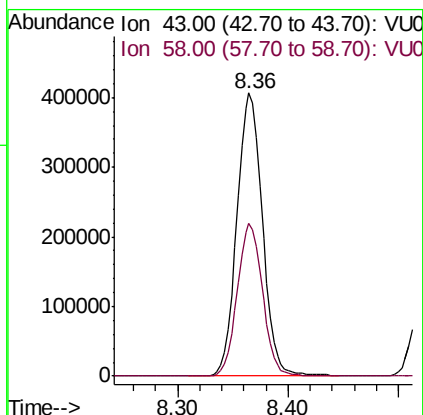
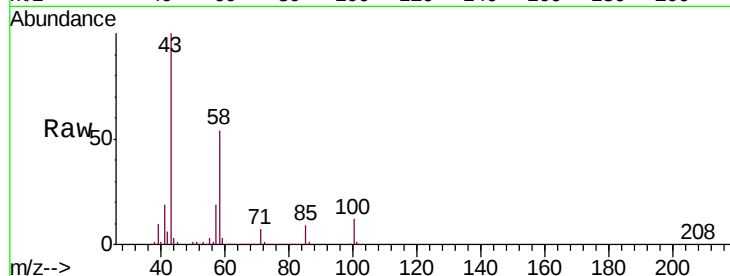




#59
2-Hexanone
Concen: 260.31 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

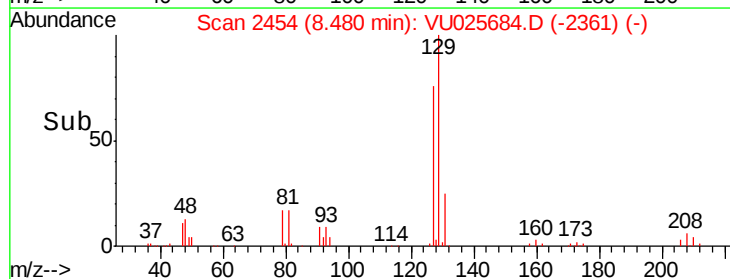
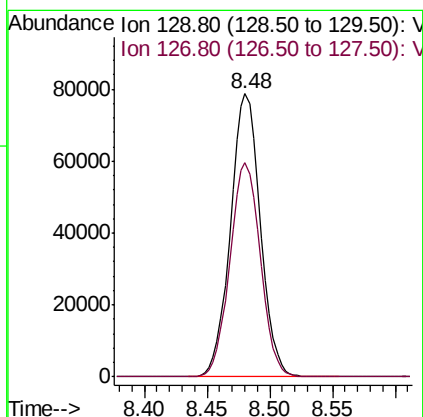
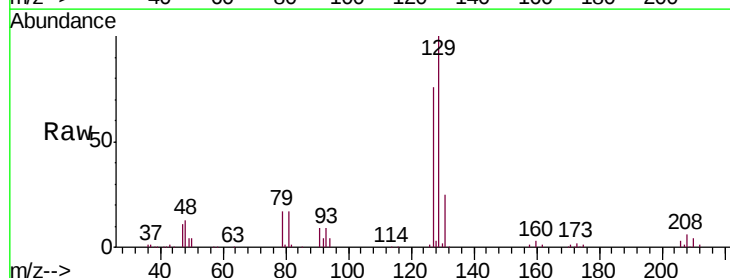
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

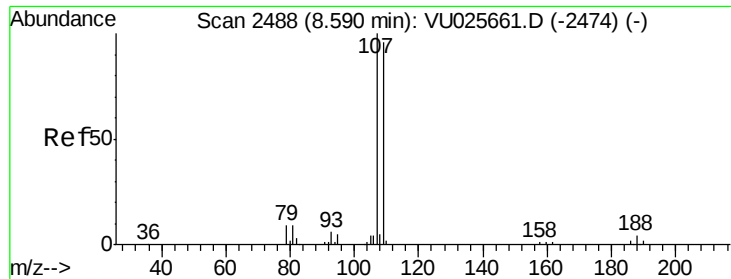
Tot Ion: 43 Resp: 652868
Ion Ratio Lower Upper
43 100
58 53.6 26.2 78.5



#60
Dibromochloromethane
Concen: 48.99 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion: 129 Resp: 130051
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.22 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

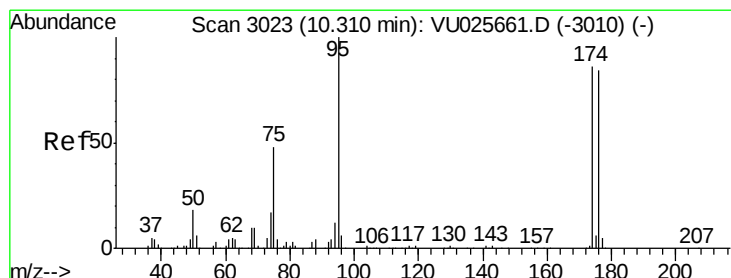
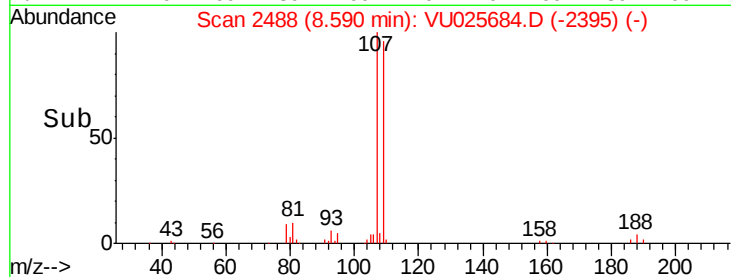
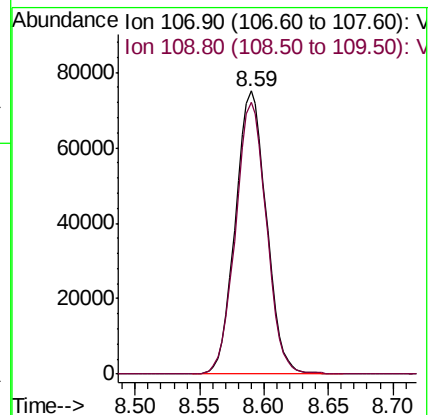
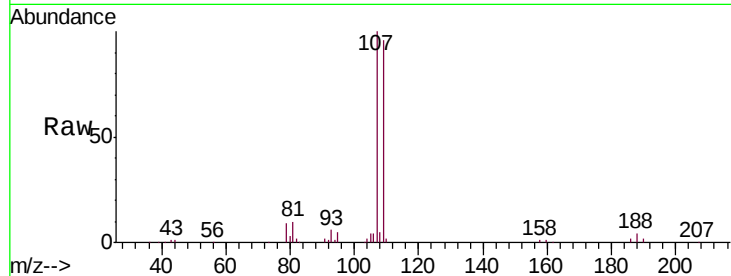
VSTDCCC050

Tot Ion:107 Resp: 125720

Ion Ratio Lower Upper

107 100

109 95.5 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 49.87 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

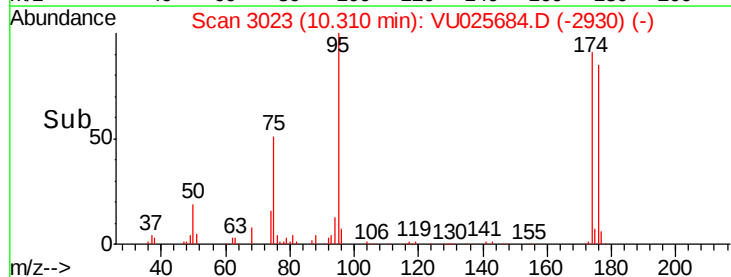
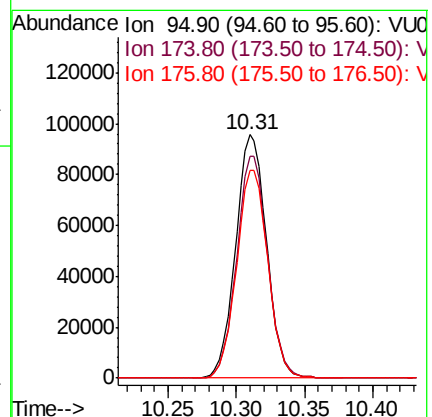
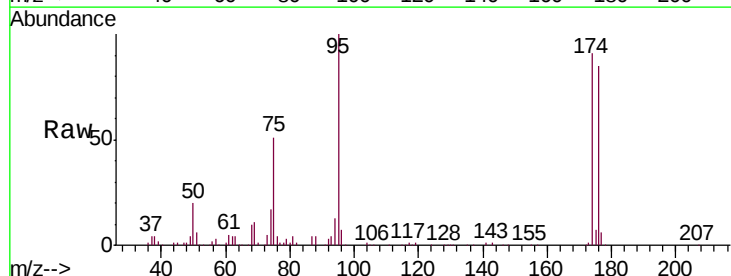
Tgt Ion: 95 Resp: 150351

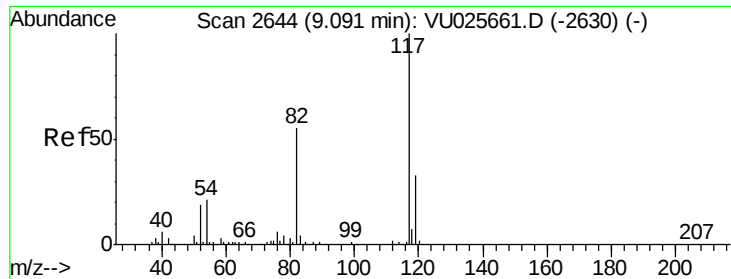
Ion Ratio Lower Upper

95 100

174 90.9 0.0 172.2

176 86.4 0.0 162.6

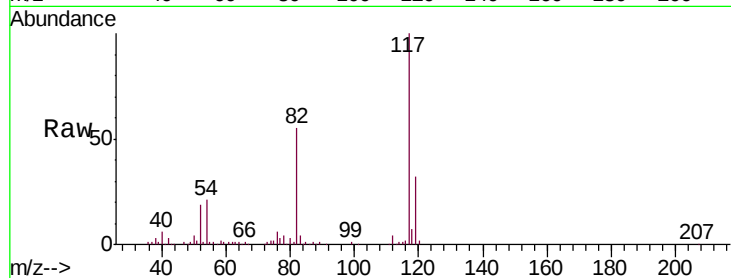




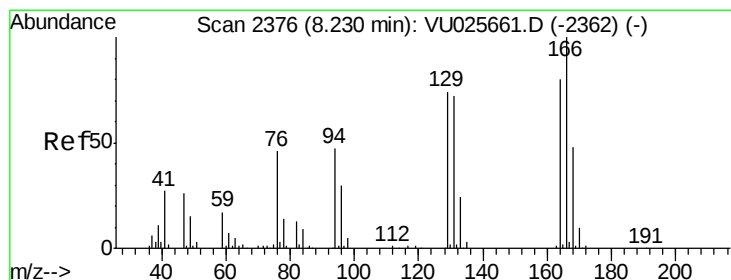
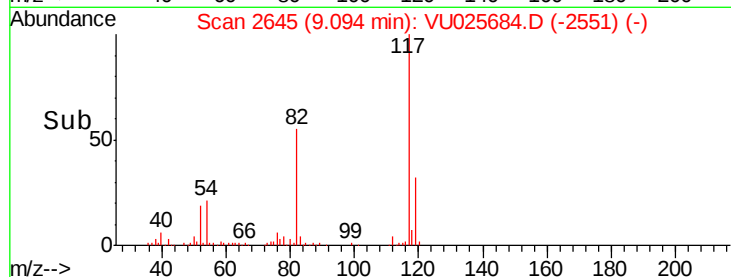
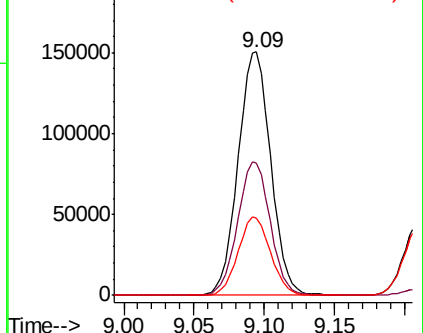
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 245550
Ion Ratio Lower Upper
117 100
82 54.5 46.0 69.0
119 31.7 26.0 39.0

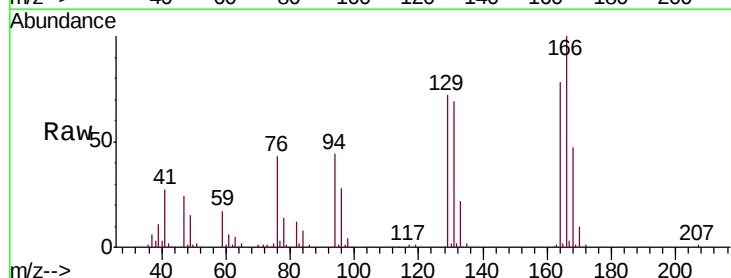


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

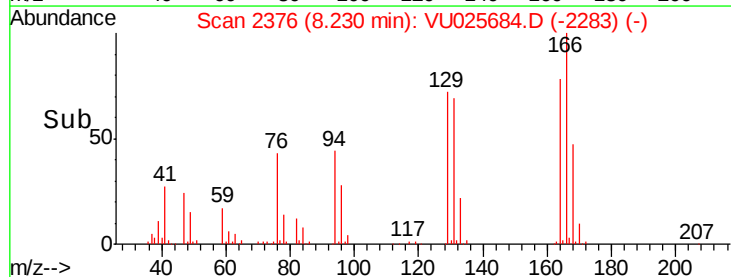
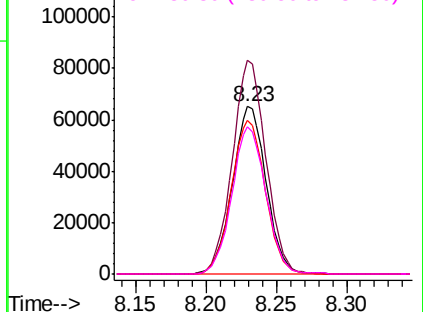


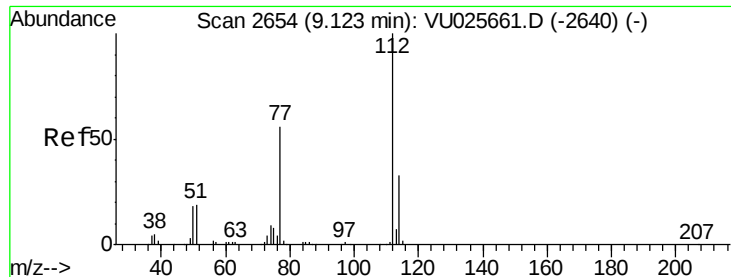
#64
Tetrachloroethene
Concen: 50.58 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion:164 Resp: 109329
Ion Ratio Lower Upper
164 100
166 127.4 101.1 151.7
129 91.9 73.0 109.6
131 88.1 72.1 108.1



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





#65

Chlorobenzene

Concen: 49.13 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

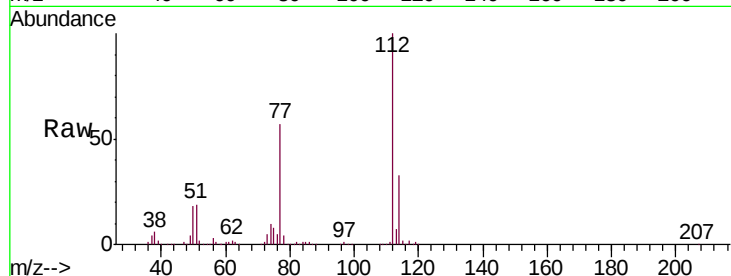
VSTDCCC050

Tot Ion:112 Resp: 311042

Ion Ratio Lower Upper

112 100

114 32.6 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.12

200000

150000

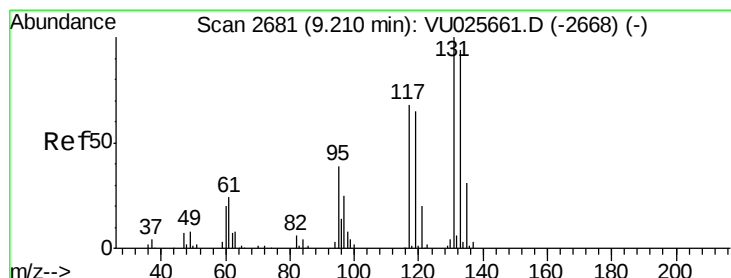
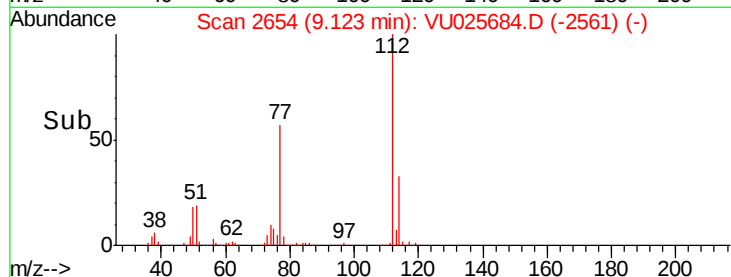
100000

50000

0

Time-->

9.05 9.10 9.15 9.20 9.25



#66

1,1,1,2-Tetrachloroethane

Concen: 50.68 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

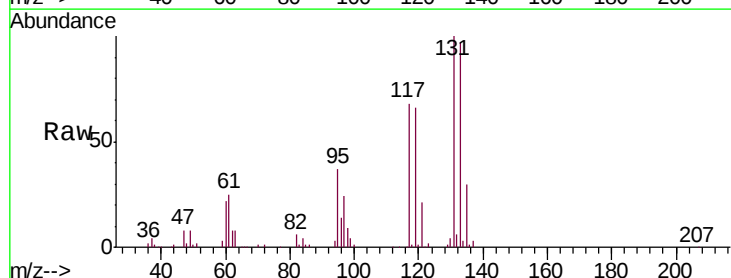
Tgt Ion:131 Resp: 116063

Ion Ratio Lower Upper

131 100

133 96.9 47.8 143.3

119 65.7 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.21

80000

60000

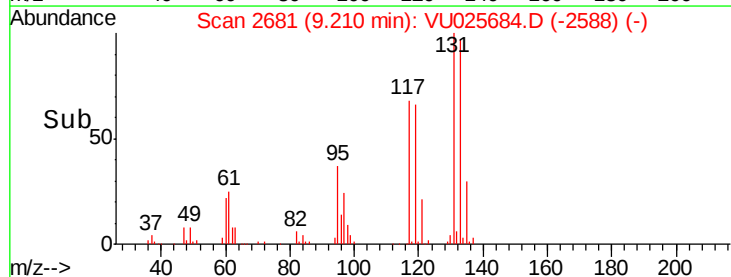
40000

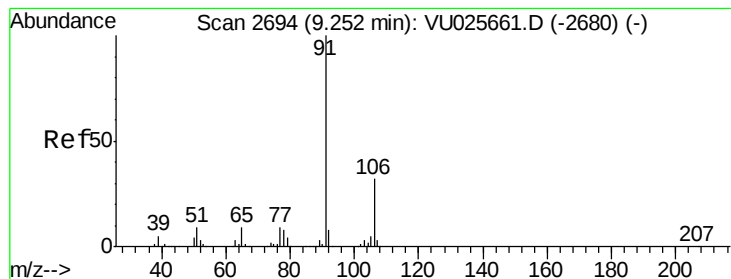
20000

0

Time-->

9.15 9.20 9.25





#67

Ethyl Benzene

Concen: 50.57 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

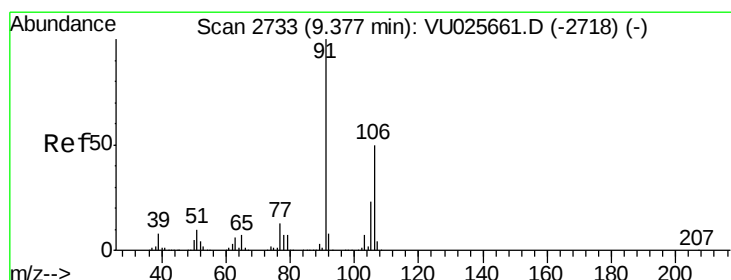
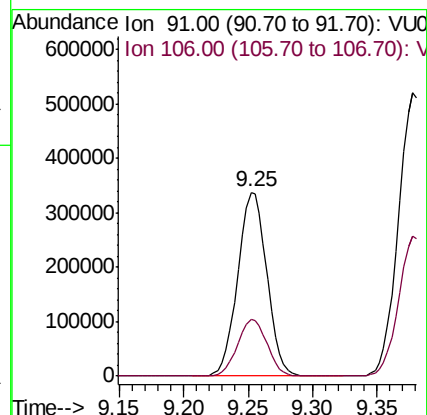
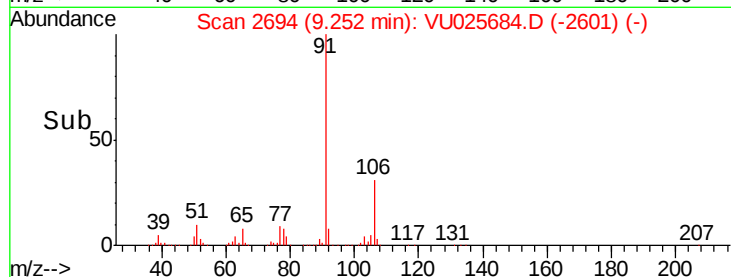
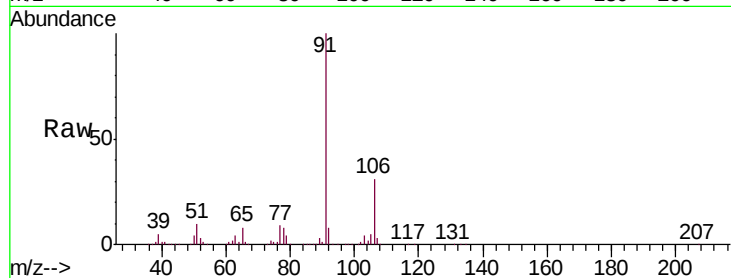
VSTDCCC050

Tot Ion: 91 Resp: 530315

Ion Ratio Lower Upper

91 100

106 30.7 25.3 37.9



#68

m/p-Xylenes

Concen: 102.72 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025684.D

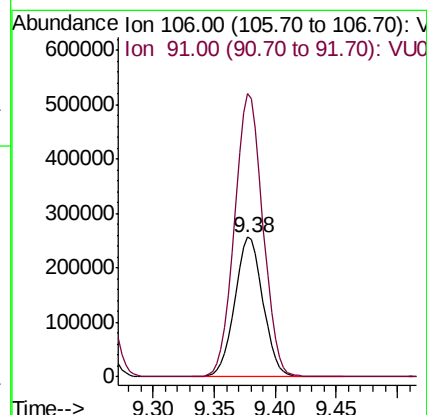
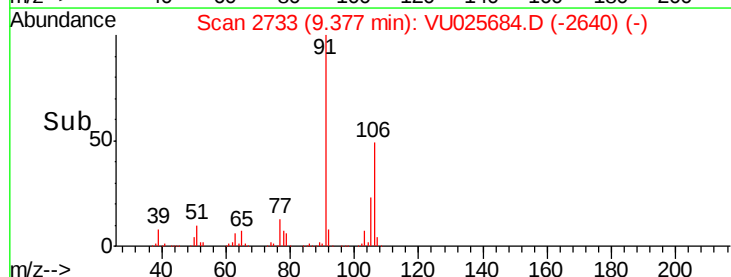
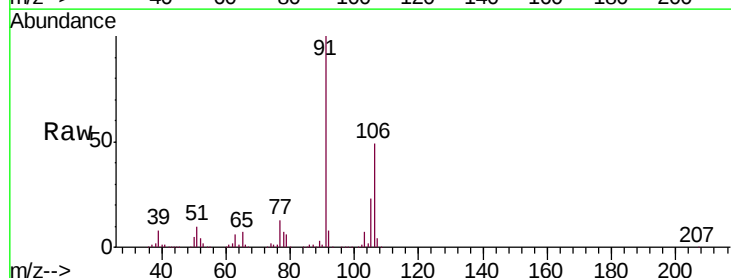
Acq: 27 Jul 2018 21:33

Tgt Ion: 106 Resp: 413572

Ion Ratio Lower Upper

106 100

91 204.3 162.3 243.5

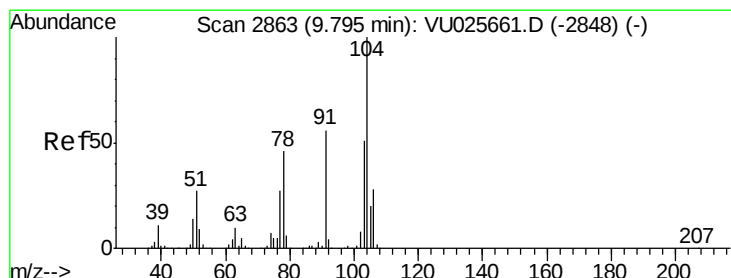
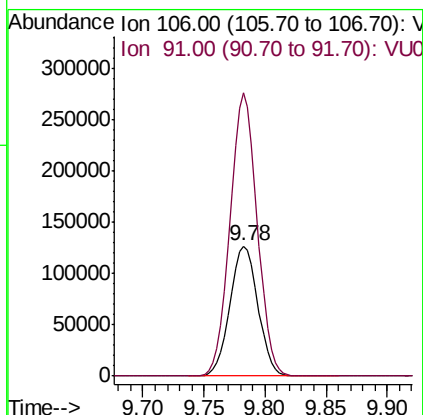
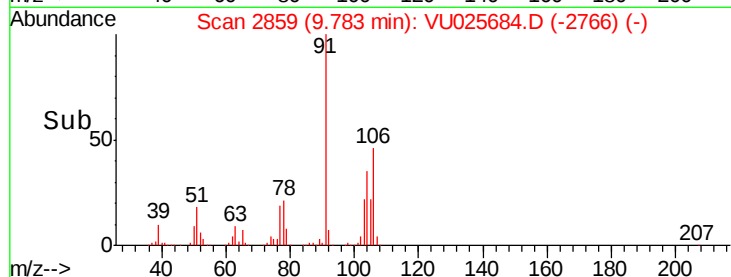
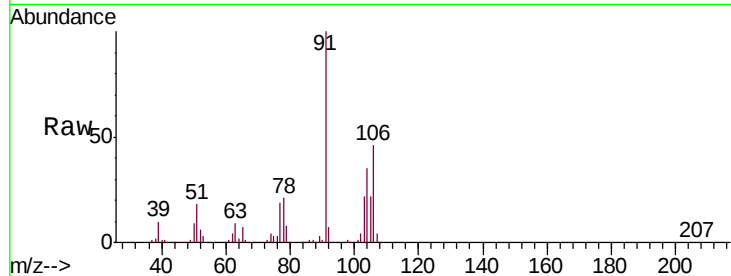




#69
o-Xylene
Concen: 51.53 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

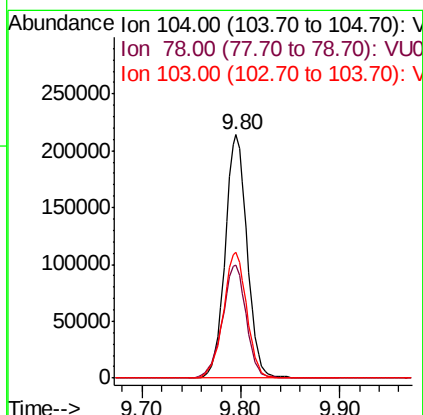
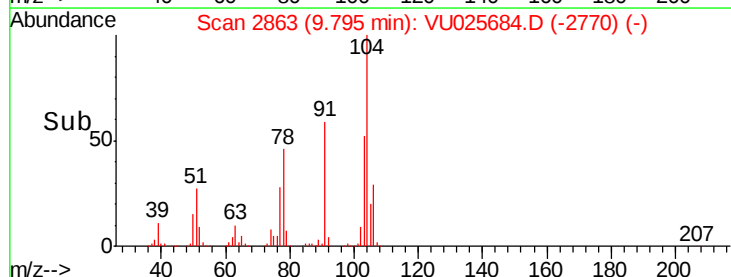
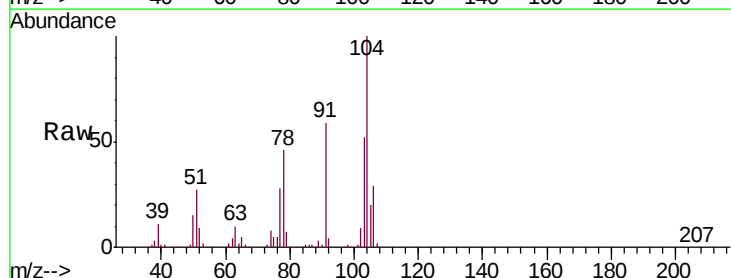
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

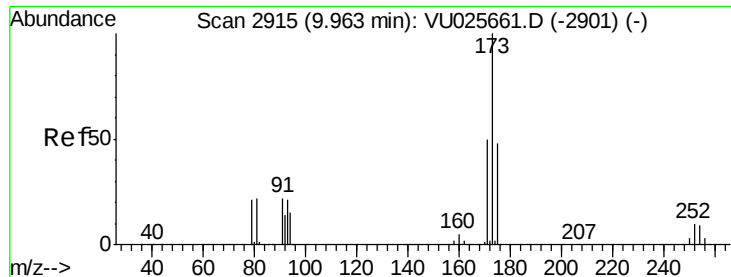
Tot Ion:106 Resp: 202744
Ion Ratio Lower Upper
106 100
91 211.8 105.3 315.8



#70
Styrene
Concen: 52.21 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025684.D
Acq: 27 Jul 2018 21:33

Tgt Ion:104 Resp: 331830
Ion Ratio Lower Upper
104 100
78 50.4 41.6 62.4
103 55.1 44.6 66.8





#71

Bromoform

Concen: 50.81 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

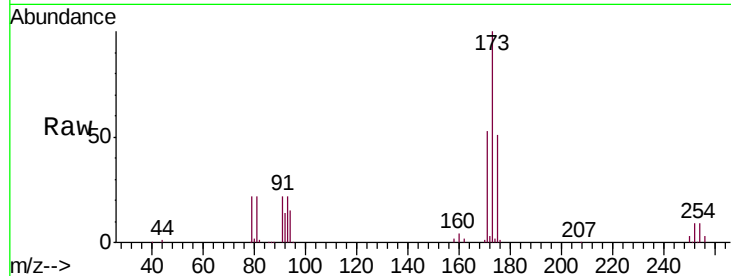
Tot Ion:173 Resp: 100909

Ion Ratio Lower Upper

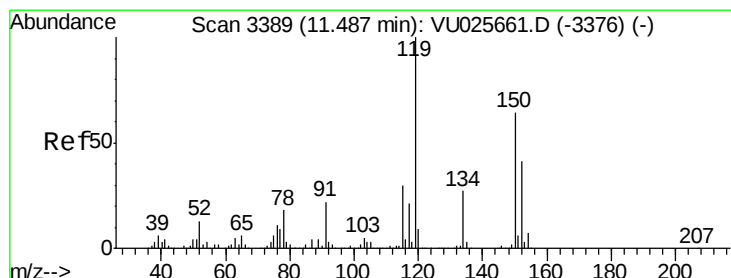
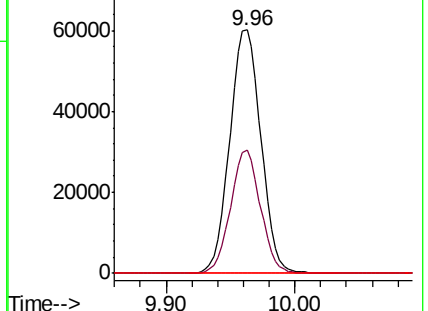
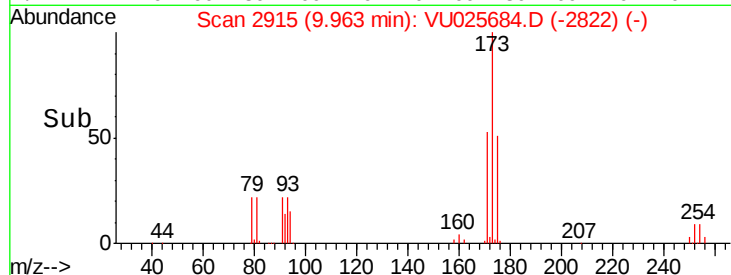
173 100

175 48.4 24.0 72.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

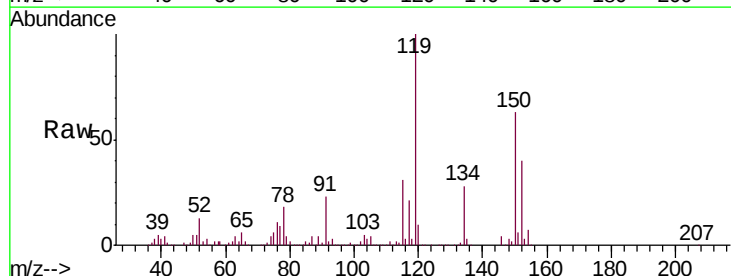
Tgt Ion:152 Resp: 155344

Ion Ratio Lower Upper

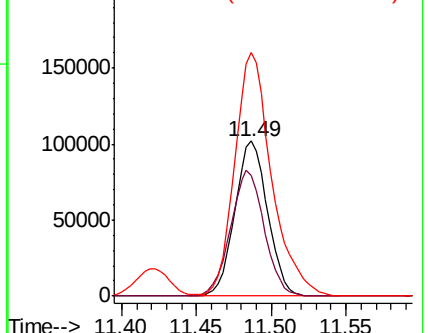
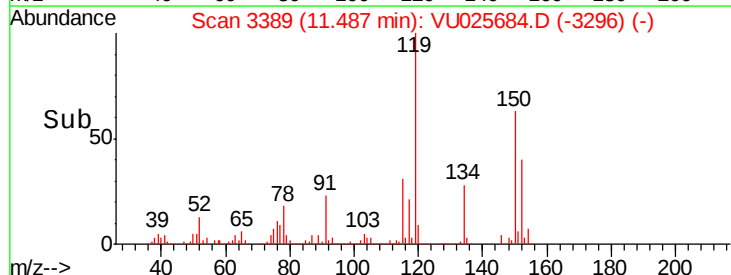
152 100

115 83.2 40.1 120.3

150 176.9 0.0 351.4



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





#73

Isopropylbenzene

Concen: 51.30 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

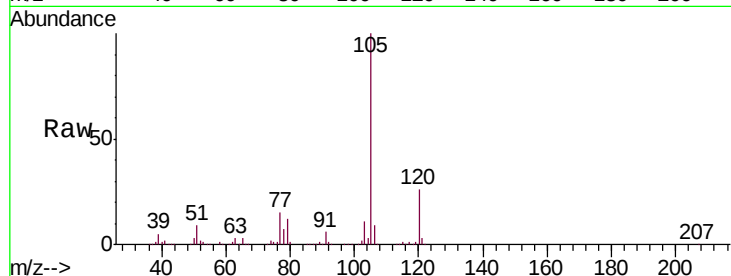
VSTDCCC050

Tot Ion:105 Resp: 543896

Ion Ratio Lower Upper

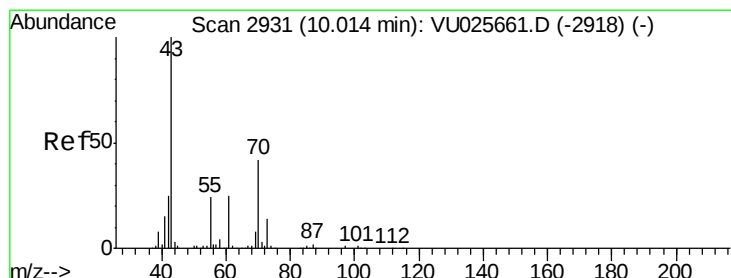
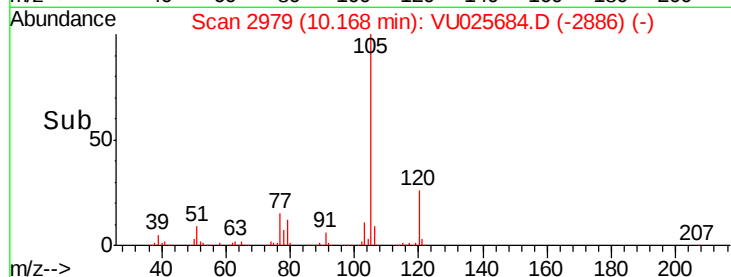
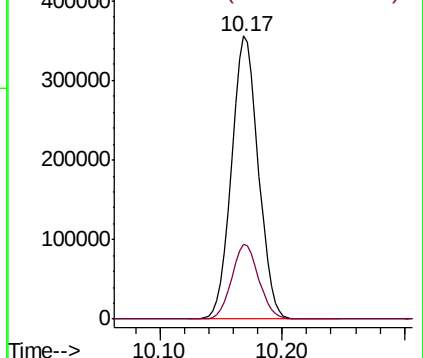
105 100

120 26.6 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.54 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Tgt Ion: 43 Resp: 231760

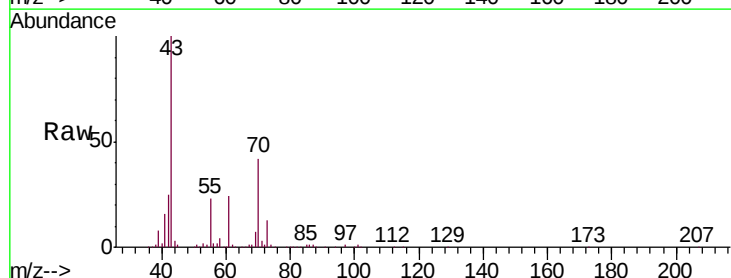
Ion Ratio Lower Upper

43 100

70 42.1 33.4 50.2

55 23.8 19.0 28.6

61 23.8 19.3 28.9

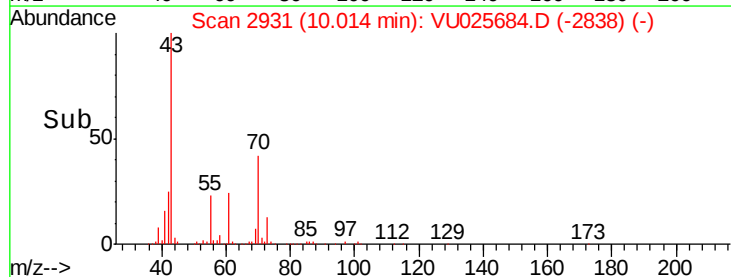
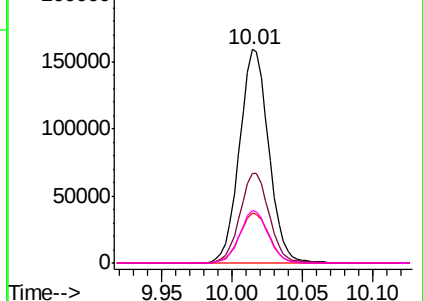


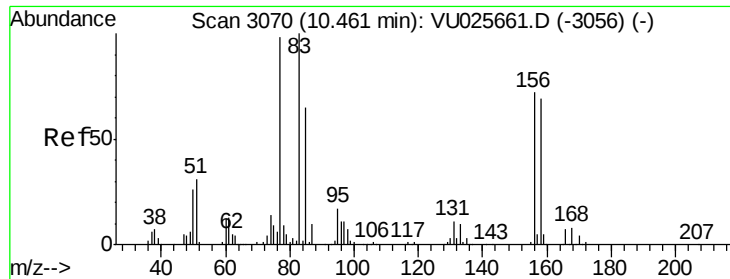
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 51.12 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

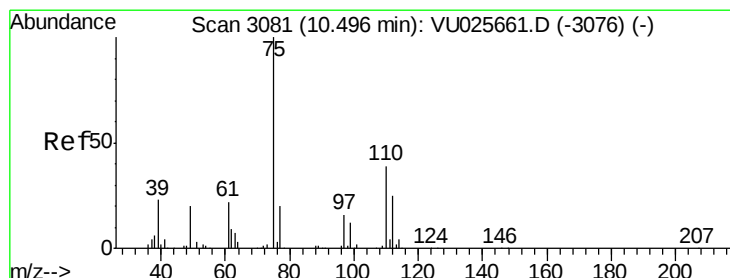
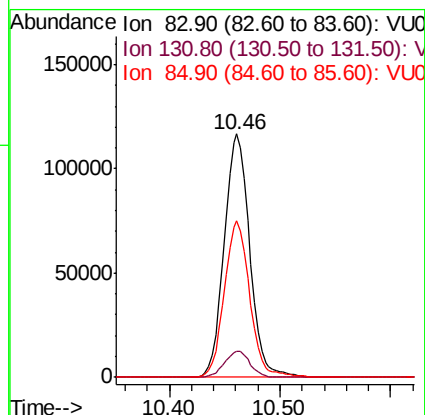
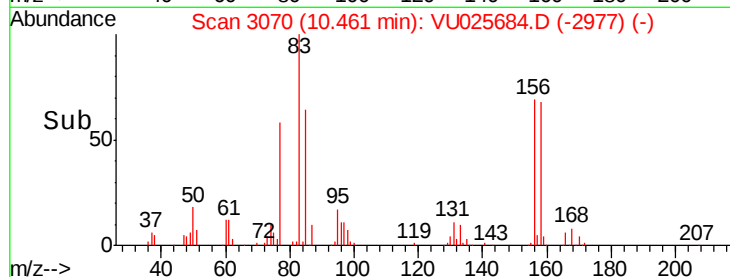
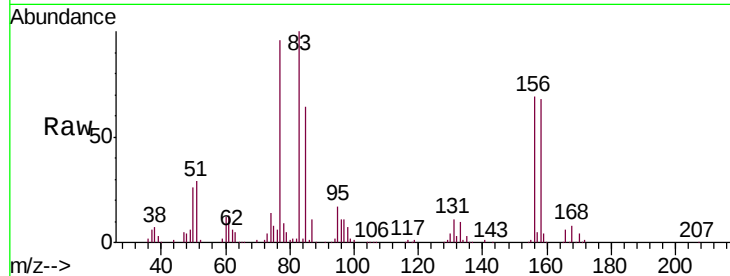
Tot Ion: 83 Resp: 187427

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

85 64.2 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 62.61 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025684.D

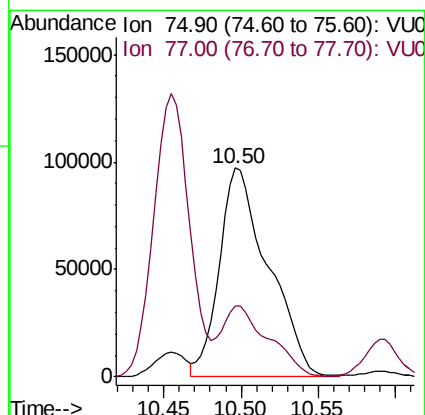
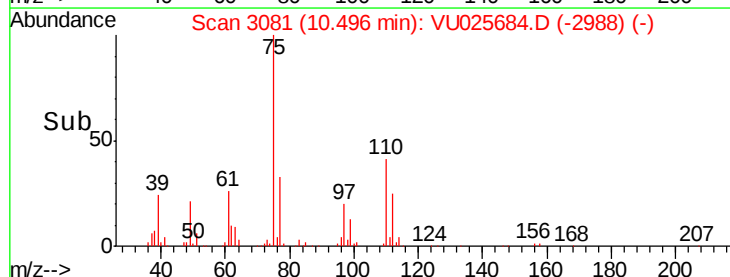
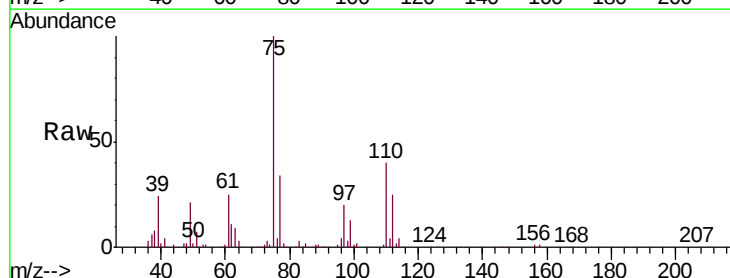
Acq: 27 Jul 2018 21:33

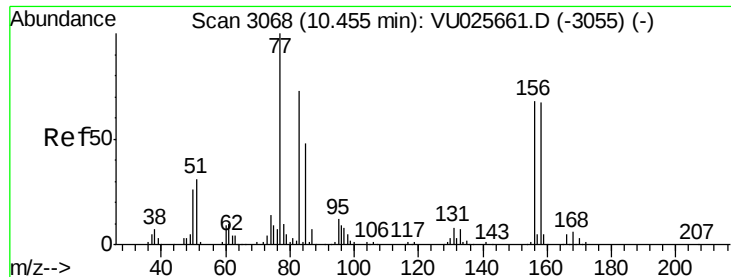
Tgt Ion: 75 Resp: 214296

Ion Ratio Lower Upper

75 100

77 31.1 20.4 61.3





#77

Bromobenzene

Concen: 50.34 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

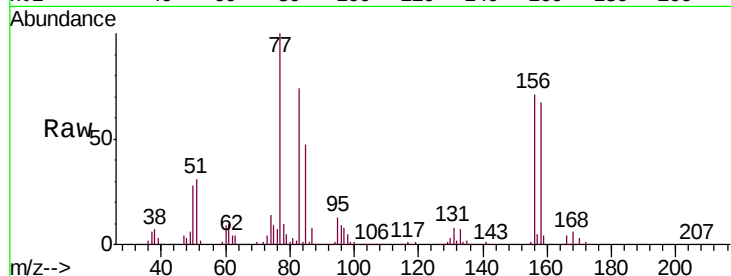
Tot Ion:156 Resp: 147221

Ion Ratio Lower Upper

156 100

77 144.5 73.8 221.4

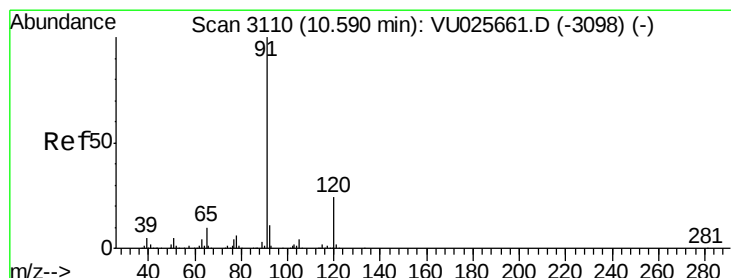
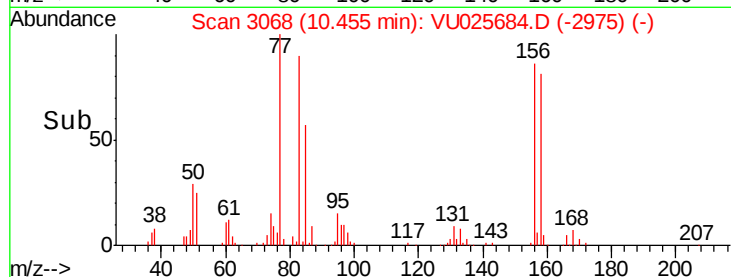
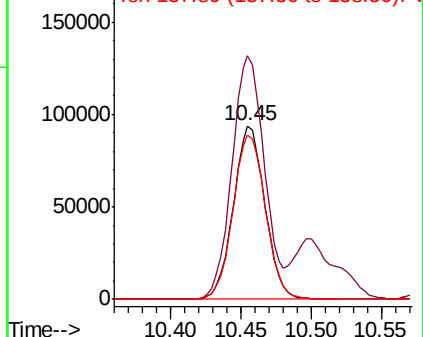
158 97.5 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.74 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025684.D

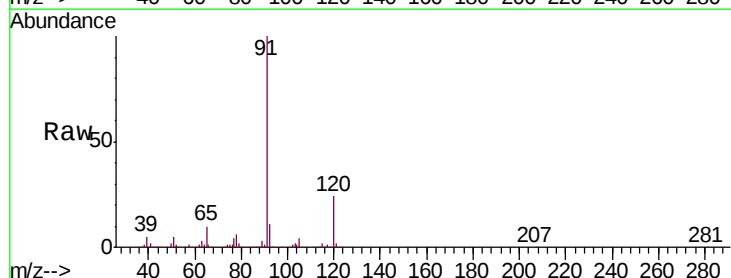
Acq: 27 Jul 2018 21:33

Tgt Ion: 91 Resp: 640264

Ion Ratio Lower Upper

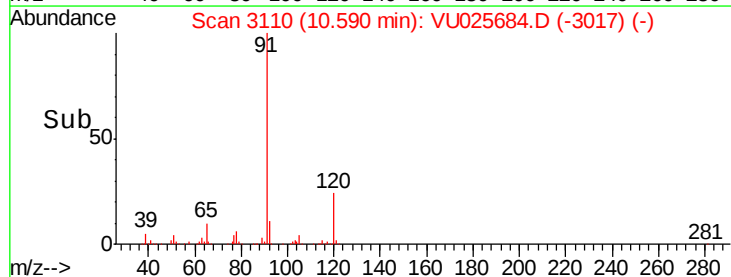
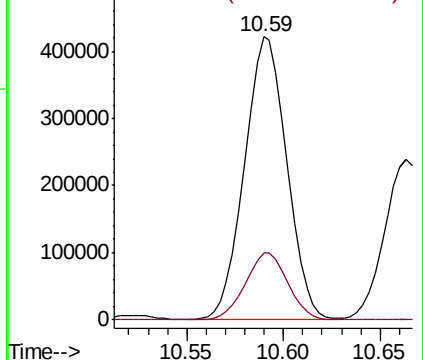
91 100

120 23.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.79 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

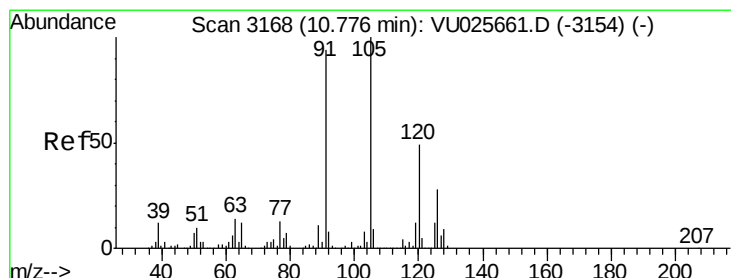
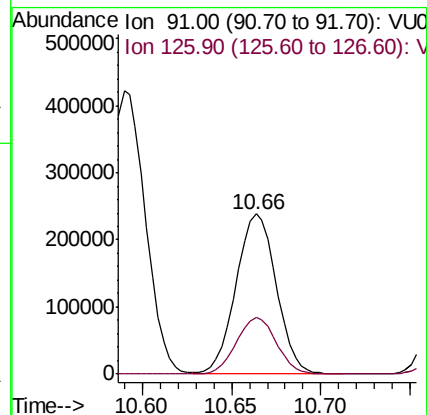
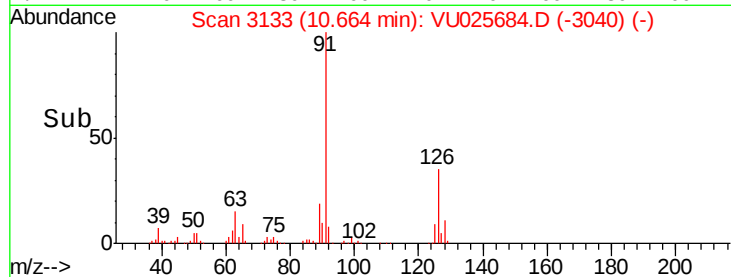
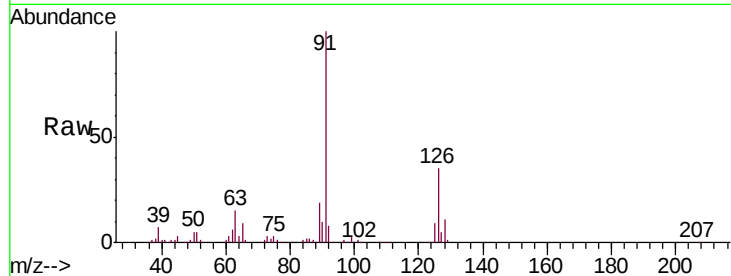
VSTDCCC050

Tot Ion: 91 Resp: 375405

Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 52.35 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025684.D

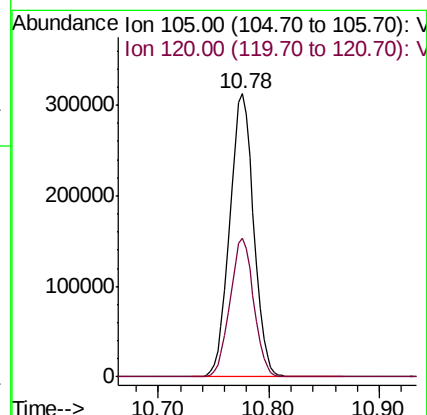
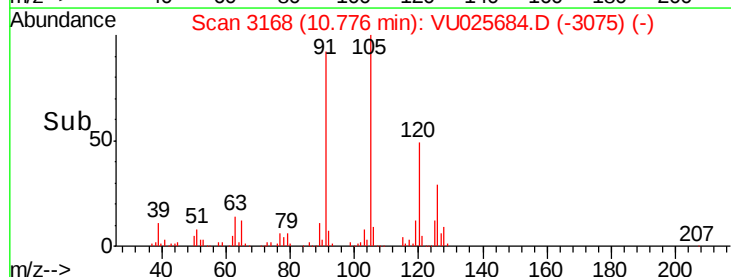
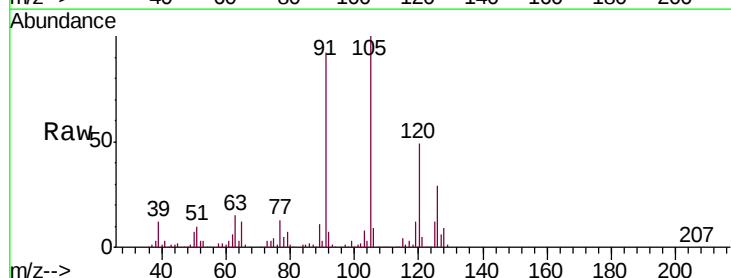
Acq: 27 Jul 2018 21:33

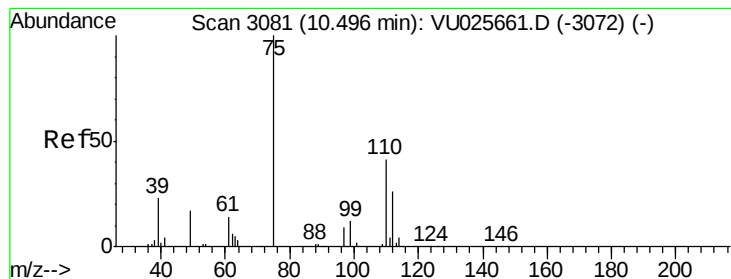
Tgt Ion: 105 Resp: 471412

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 156.99 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

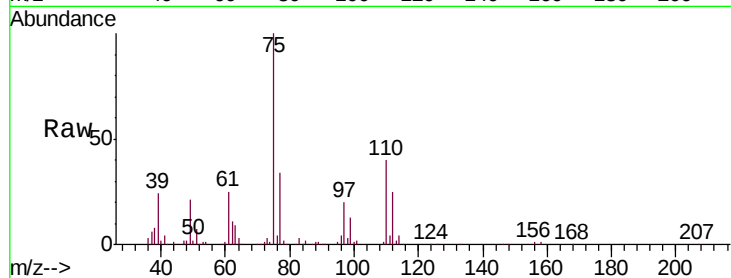
Tot Ion: 75 Resp: 214296

Ion Ratio Lower Upper

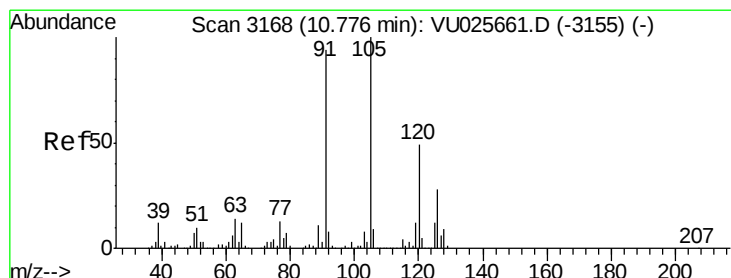
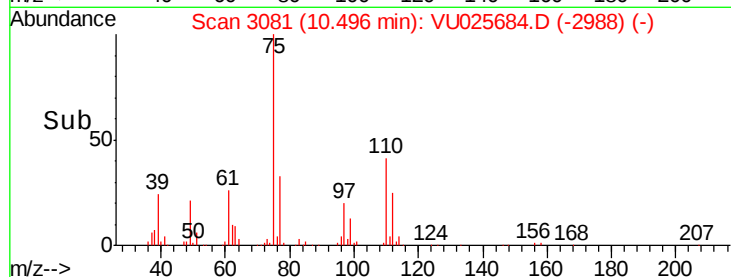
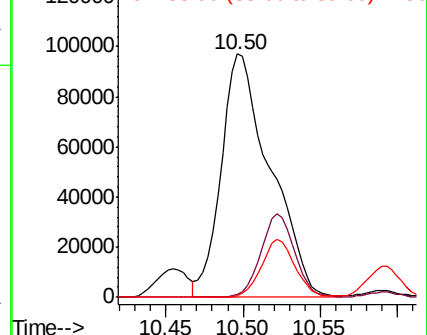
75 100

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: 52.04 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025684.D

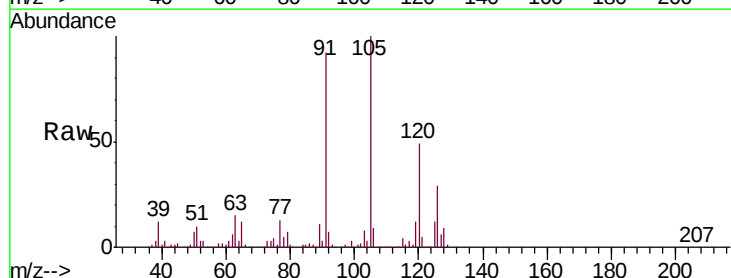
Acq: 27 Jul 2018 21:33

Tgt Ion: 91 Resp: 444593

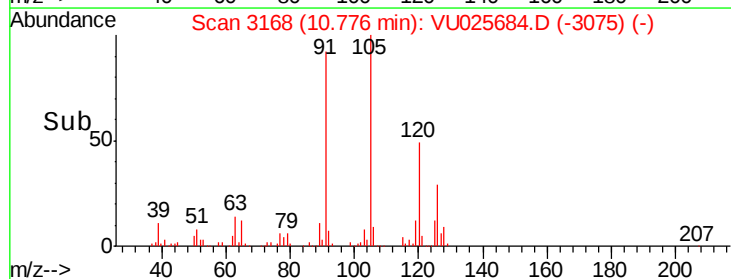
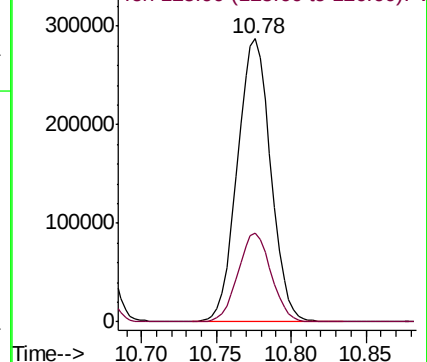
Ion Ratio Lower Upper

91 100

126 31.4 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 51.41 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

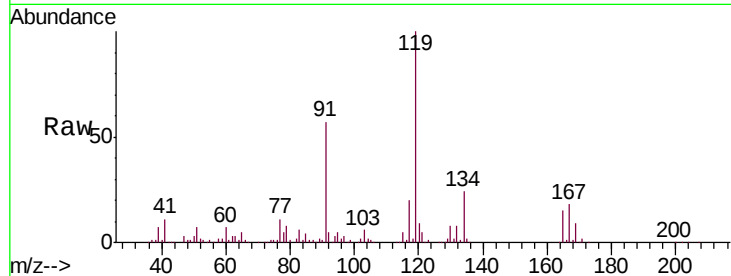
Tot Ion:119 Resp: 459932

Ion Ratio Lower Upper

119 100

91 56.4 29.7 89.1

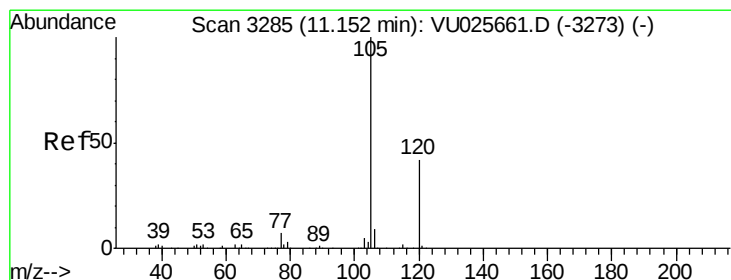
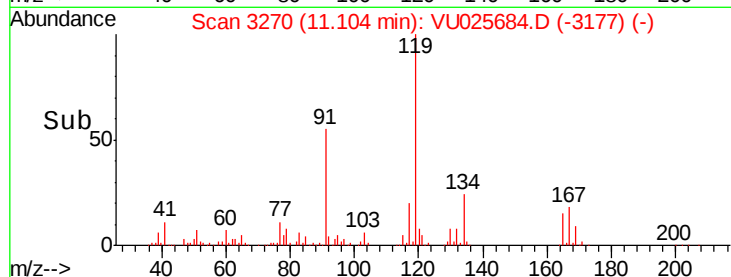
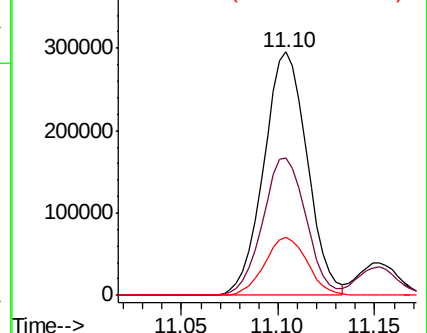
134 23.4 11.5 34.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.74 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025684.D

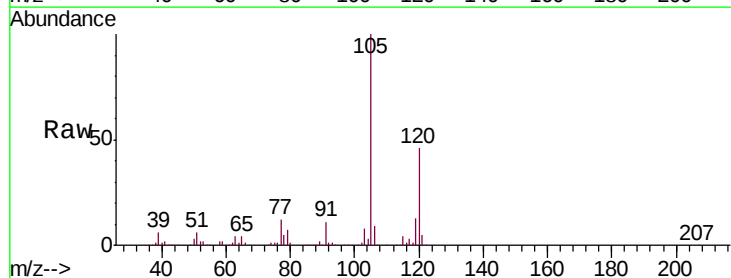
Acq: 27 Jul 2018 21:33

Tgt Ion:105 Resp: 481205

Ion Ratio Lower Upper

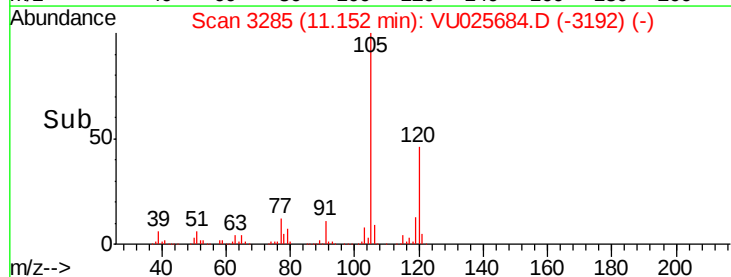
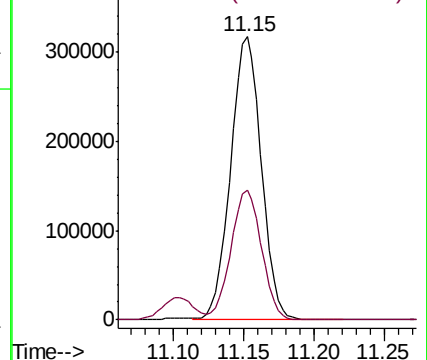
105 100

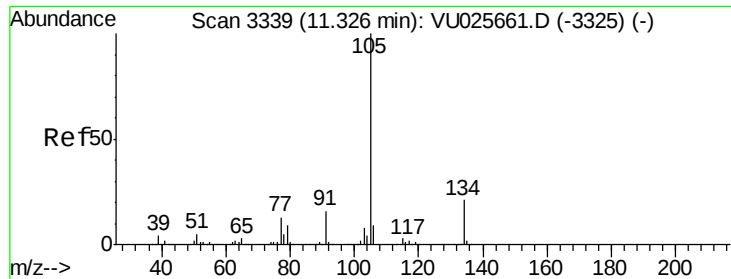
120 46.0 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

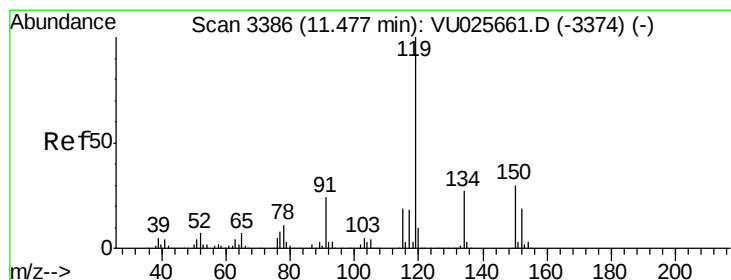
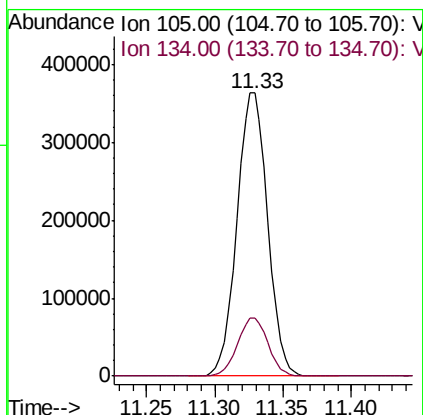
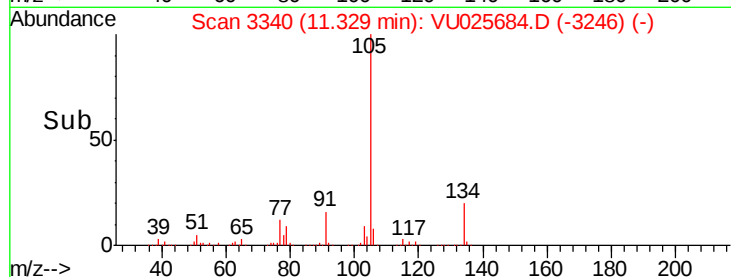
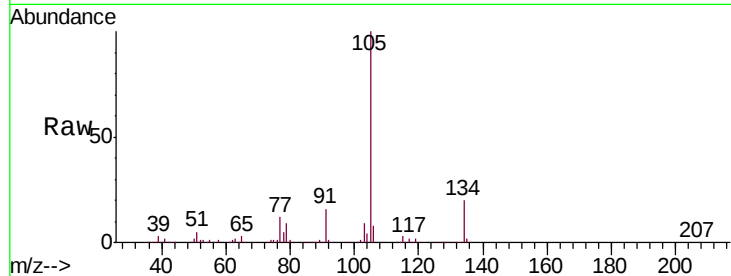




#85
 sec-Butylbenzene
 Concen: 51.74 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

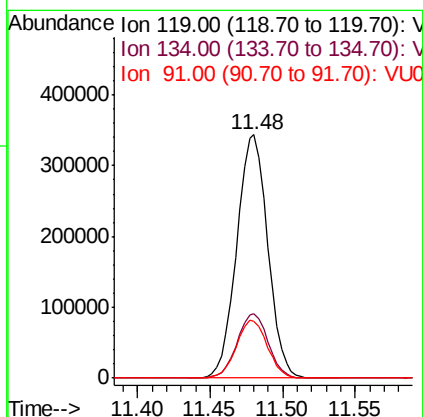
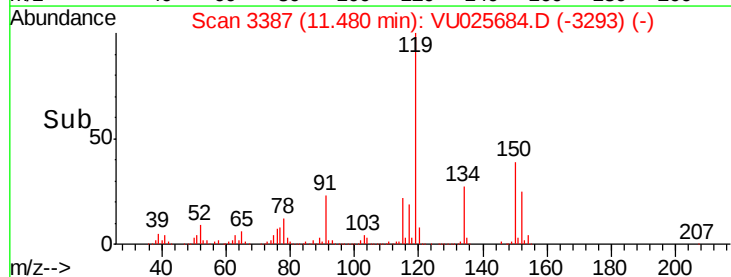
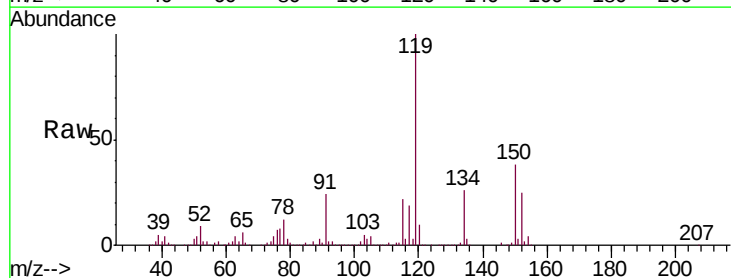
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

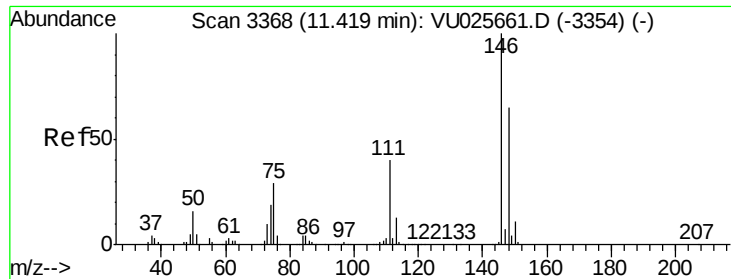
Tot Ion:105 Resp: 565181
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 52.22 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion:119 Resp: 510724
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.2 39.5
 91 23.9 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 50.62 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

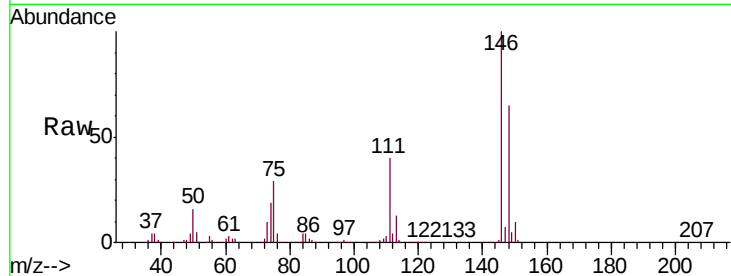
Tot Ion:146 Resp: 274787

Ion Ratio Lower Upper

146 100

111 39.5 19.7 59.1

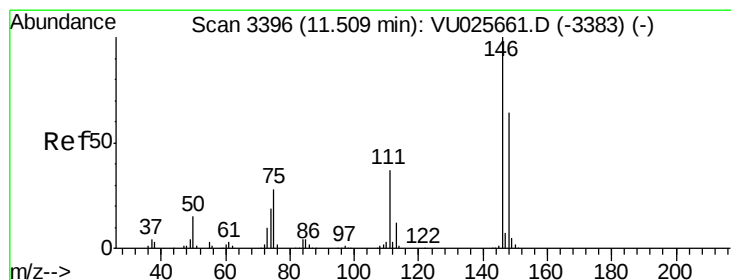
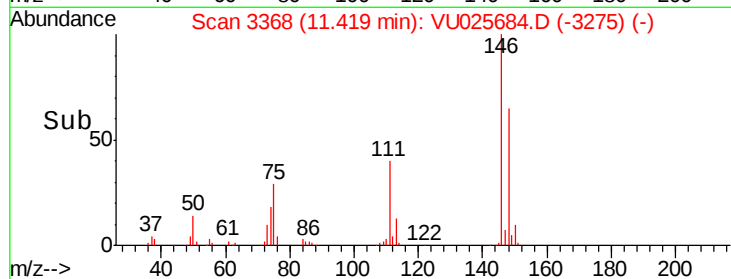
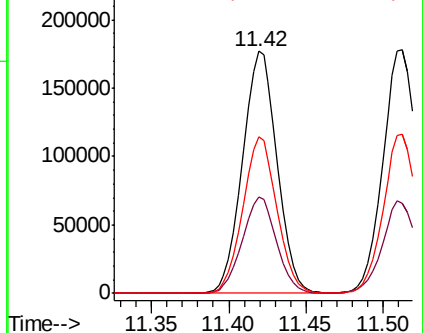
148 63.8 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 48.92 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

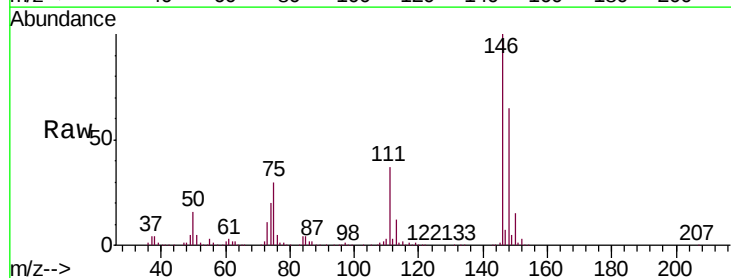
Tgt Ion:146 Resp: 276811

Ion Ratio Lower Upper

146 100

111 37.9 19.4 58.1

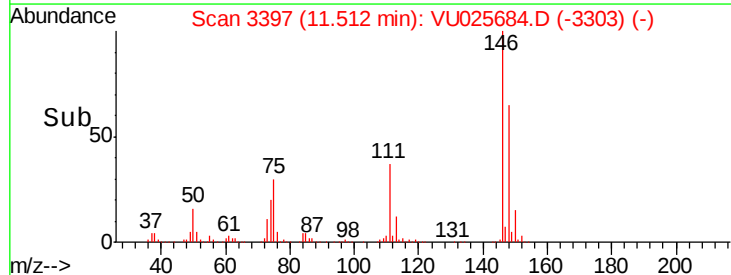
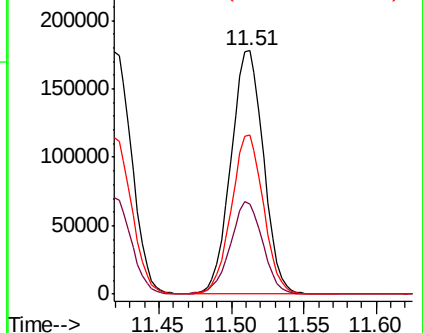
148 64.5 31.7 95.1

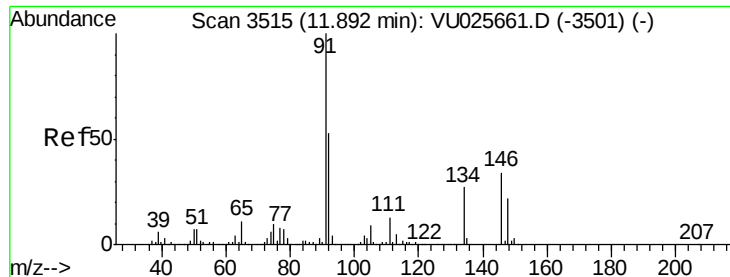


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 51.86 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

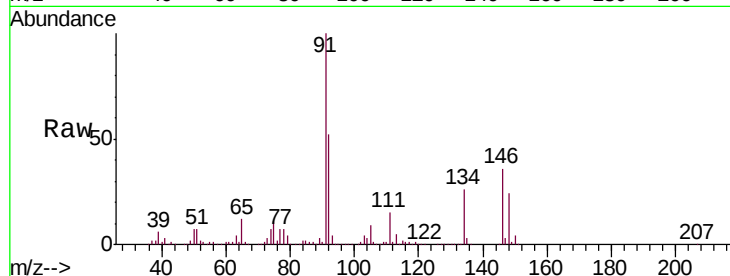
Tot Ion: 91 Resp: 468044

Ion Ratio Lower Upper

91 100

92 51.9 26.5 79.5

134 26.7 13.6 40.7

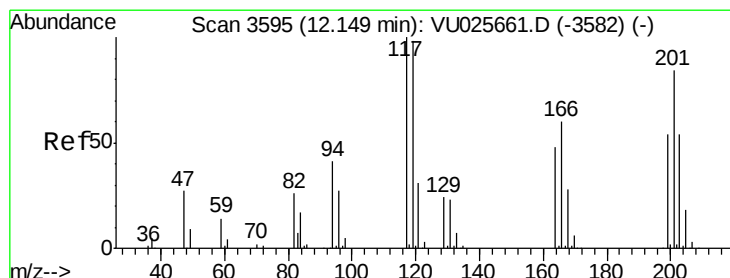
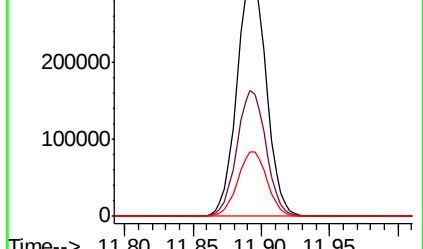
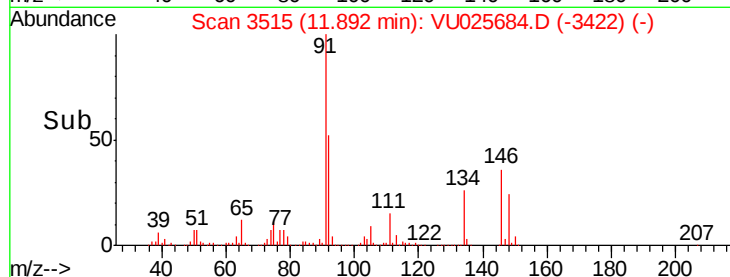


Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3501) (-)

Ion 92.00 (91.70 to 92.70): VU025661.D (-3501) (-)

Ion 134.00 (133.70 to 134.70): VU025661.D (-3501) (-)

Time-->



#90

Hexachloroethane

Concen: 50.43 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025684.D

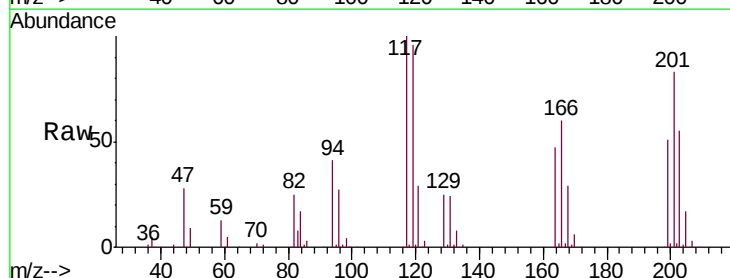
Acq: 27 Jul 2018 21:33

Tgt Ion: 117 Resp: 87691

Ion Ratio Lower Upper

117 100

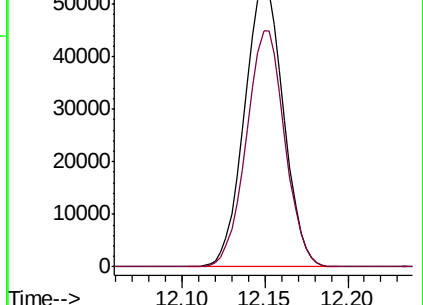
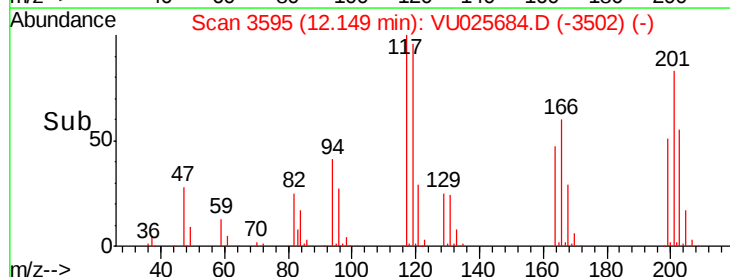
201 82.5 42.5 127.6

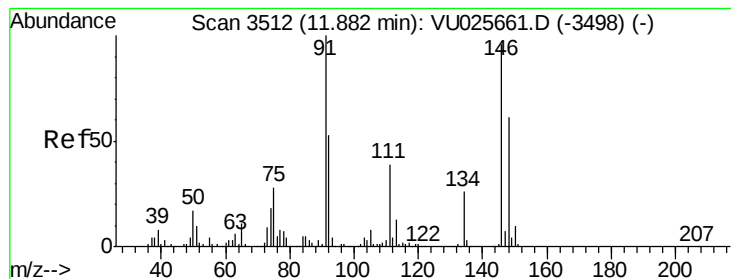


Abundance Ion 116.80 (116.50 to 117.50): VU025661.D (-3582) (-)

Ion 200.70 (200.40 to 201.40): VU025661.D (-3582) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 50.52 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

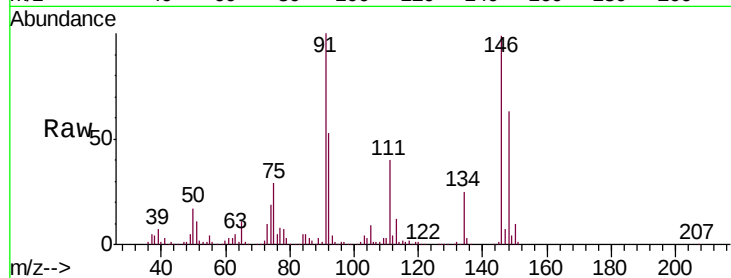
Tot Ion:146 Resp: 268798

Ion Ratio Lower Upper

146 100

111 40.4 20.6 61.8

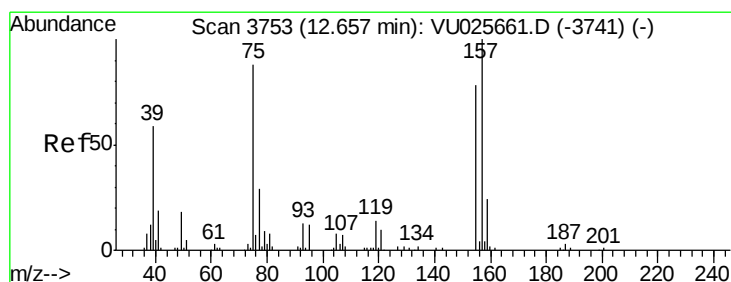
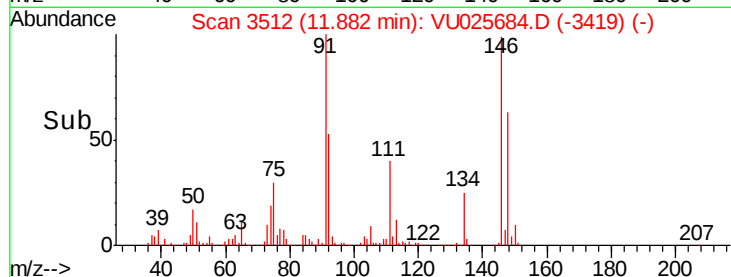
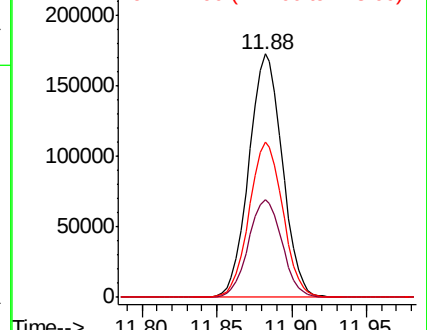
148 64.4 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.01 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

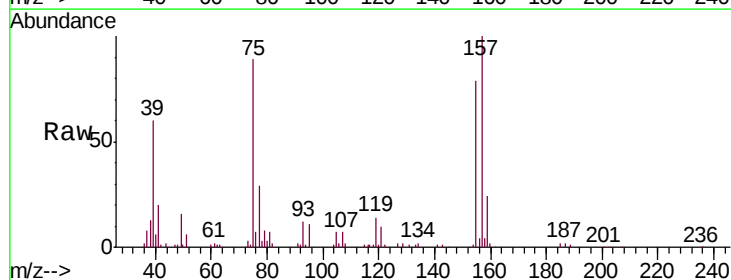
Tgt Ion: 75 Resp: 46079

Ion Ratio Lower Upper

75 100

155 90.8 44.5 133.3

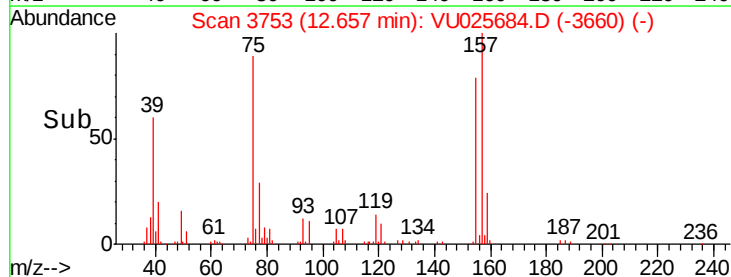
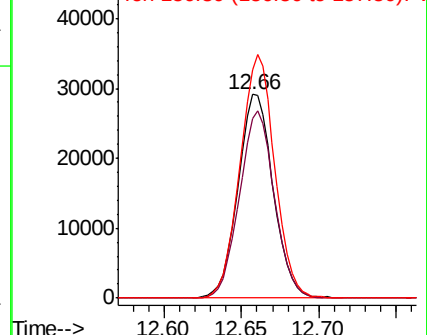
157 117.4 57.0 170.8

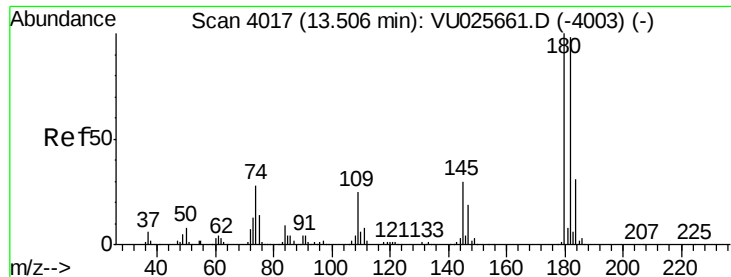


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

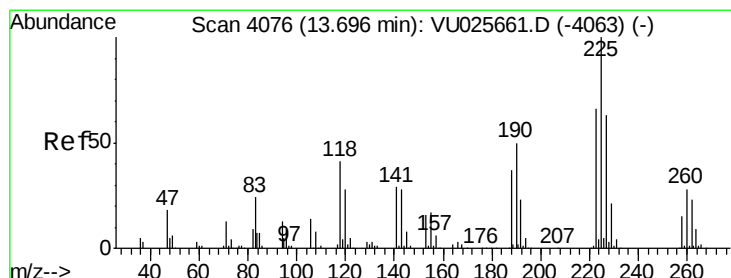
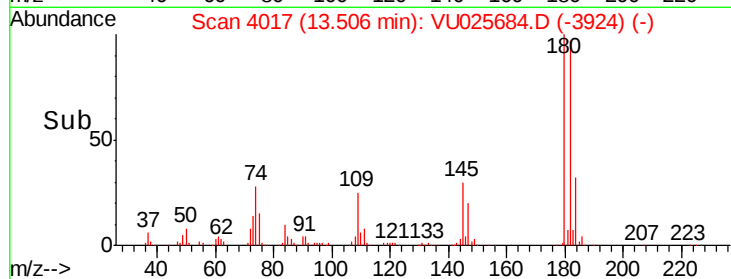
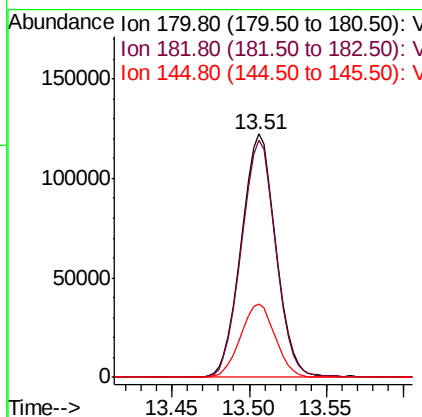
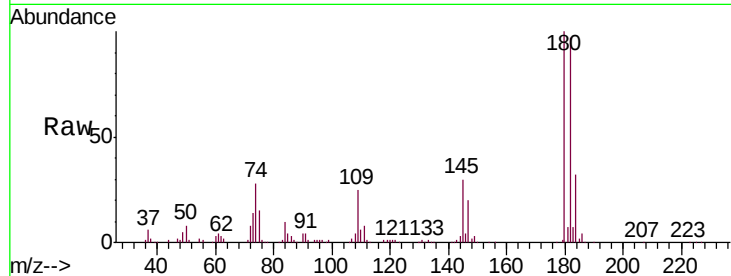




#93
 1,2,4-Trichlorobenzene
 Concen: 53.14 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

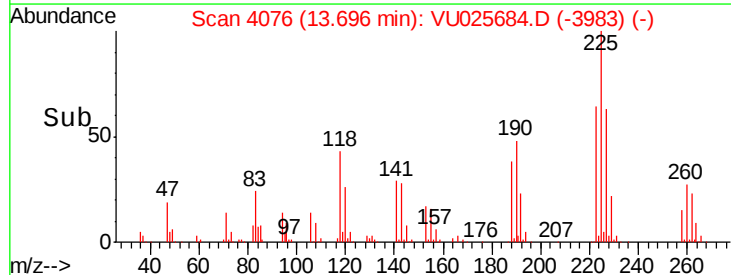
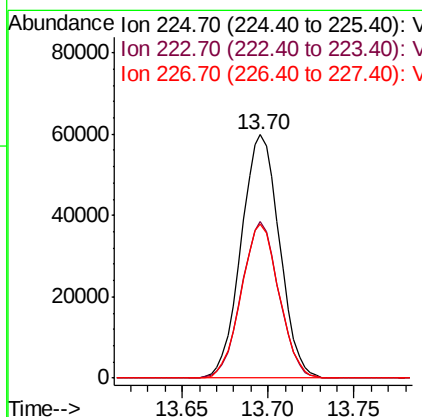
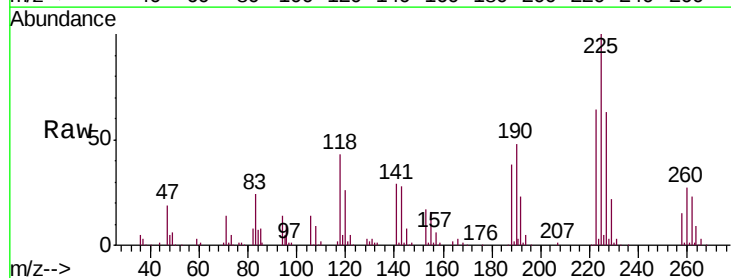
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

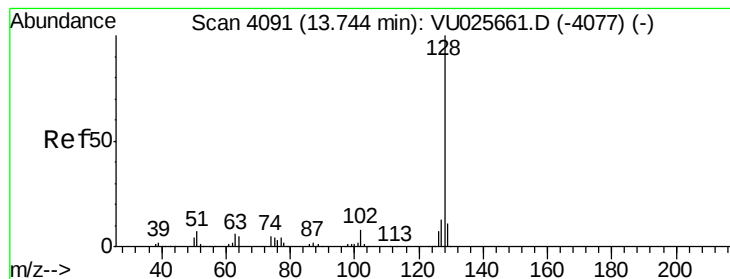
Tot Ion:180 Resp: 190830
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.3 141.9
 145 30.2 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 48.95 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025684.D
 Acq: 27 Jul 2018 21:33

Tgt Ion:225 Resp: 92669
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.9 95.7
 227 62.5 32.3 96.9





#95

Naphthalene

Concen: 51.00 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Instrument :

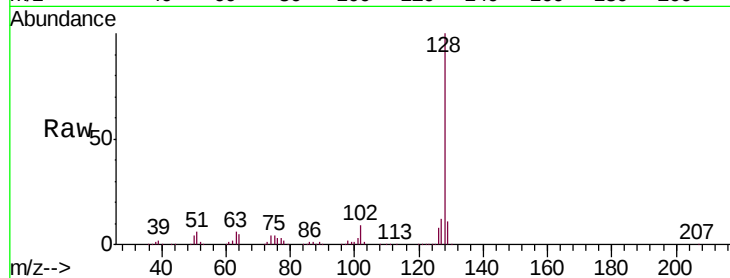
MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 588588

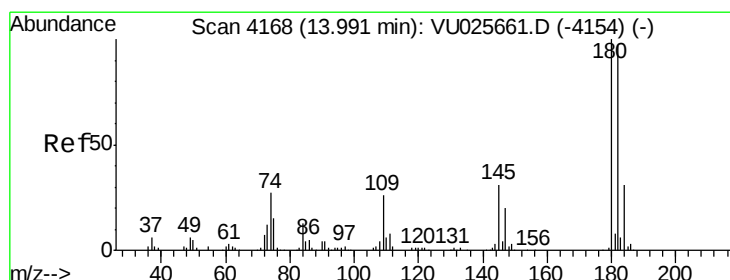
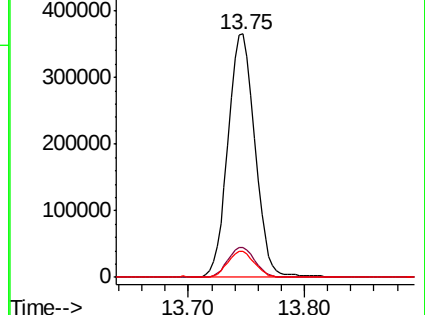
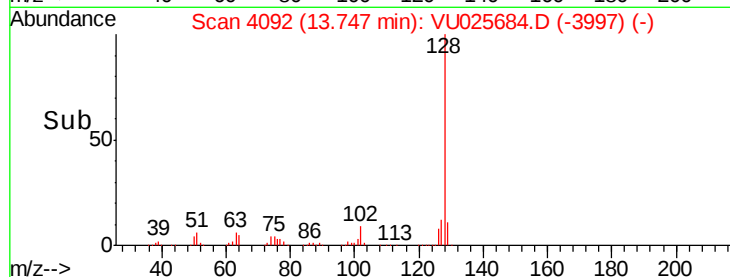
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.7	8.3	12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.33 ug/l

RT: 13.99 min Scan# 4168

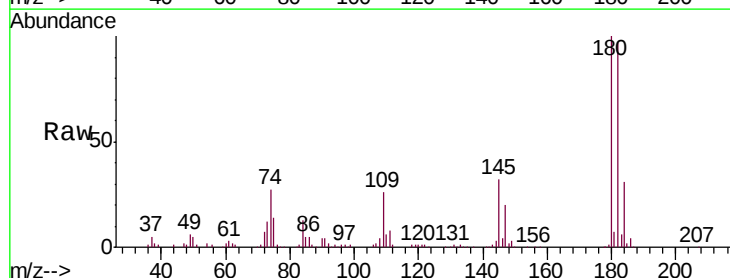
Delta R.T. 0.00 min

Lab File: VU025684.D

Acq: 27 Jul 2018 21:33

Tgt Ion:180 Resp: 191029

Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.8	143.3
145	31.7	15.6	46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

