

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025784.D
 Acq On : 01 Aug 2018 18:16
 Operator : MD/SY
 Sample : J4262-03MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 02 04:48:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	188893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	289620	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	277911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	175232	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	145683	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	4.89	113	121365	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
50) Toluene-d8	7.57	98	429046	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	10.31	95	169153	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	136370	47.77	ug/l	99
3) Chloromethane	1.33	50	115001	42.14	ug/l	99
4) Vinyl Chloride	1.40	62	118229	46.04	ug/l	98
5) Bromomethane	1.62	94	38690	30.85	ug/l	95
6) Chloroethane	1.70	64	72166	48.06	ug/l	97
7) Trichlorofluoromethane	1.88	101	175652	47.31	ug/l	98
8) Diethyl Ether	2.10	74	62727	46.69	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	103489	48.16	ug/l	98
10) Methyl Iodide	2.41	142	59035	32.99	ug/l	100
11) Tert butyl alcohol	2.83	59	173822	269.76	ug/l	99
12) 1,1-Dichloroethene	2.28	96	97801	48.22	ug/l	96
13) Acrolein	2.19	56	30066	127.85	ug/l	99
14) Allyl chloride	2.59	41	164895	45.24	ug/l	98
15) Acrylonitrile	2.94	53	330713	257.06	ug/l	100
16) Acetone	2.32	43	321823	224.28	ug/l	97
17) Carbon Disulfide	2.48	76	306716	46.73	ug/l	100
18) Methyl Acetate	2.62	43	200639	58.09	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	373607	50.83	ug/l	98
20) Methylene Chloride	2.70	84	116343	45.75	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	110197	47.00	ug/l	99
22) Diisopropyl ether	3.57	45	352535	49.08	ug/l	96
23) Vinyl Acetate	3.53	43	1450349	231.71	ug/l	99
24) 1,1-Dichloroethane	3.45	63	209675	48.63	ug/l	99
25) 2-Butanone	4.27	43	487212	249.43	ug/l	99
26) 2,2-Dichloropropane	4.23	77	179479	45.80	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	128779	48.72	ug/l	98
28) Bromochloromethane	4.55	49	95599	49.59	ug/l	96
29) Tetrahydrofuran	4.64	42	300875	257.10	ug/l	100
30) Chloroform	4.68	83	216681	47.61	ug/l	100
31) Cyclohexane	5.00	56	175543	46.72	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	199886	48.78	ug/l	98
36) 1,1-Dichloropropene	5.14	75	161142	47.61	ug/l	99
37) Ethyl Acetate	4.38	43	165604	47.19	ug/l	98
38) Carbon Tetrachloride	5.14	117	180411	47.06	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	171944	44.34	ug/l	99
40) Benzene	5.39	78	493808	49.91	ug/l	98
41) Methacrylonitrile	4.54	41	97755	50.15	ug/l	98
42) 1,2-Dichloroethane	5.41	62	177416	46.57	ug/l	99
43) Isopropyl Acetate	5.55	43	277847	47.91	ug/l	99
44) Trichloroethene	6.19	130	129122	46.86	ug/l	100
45) 1,2-Dichloropropane	6.44	63	120539	46.72	ug/l	99
46) Dibromomethane	6.56	93	87949	47.04	ug/l	98
47) Bromodichloromethane	6.76	83	169187	47.44	ug/l	99
48) Methyl methacrylate	6.63	41	144684	50.90	ug/l	97
49) 1,4-Dioxane	6.62	88	72036	1041.44	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	927831	255.54	ug/l	100
52) Toluene	7.64	92	297705	48.44	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	193910	48.42	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	198940	48.36	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	121231	47.46	ug/l	99
56) Ethyl methacrylate	8.02	69	187585	51.40	ug/l	96
57) 1,3-Dichloropropane	8.25	76	205545	47.85	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.09	63	49	7.11	ug/l #	47
59) 2-Hexanone	8.36	43	729068	256.16	ug/l	97
60) Dibromochloromethane	8.48	129	145152	48.19	ug/l	100
61) 1,2-Dibromoethane	8.59	107	136779	48.15	ug/l	100
64) Tetrachloroethene	8.23	164	111909	45.75	ug/l	98
65) Chlorobenzene	9.12	112	343847	47.99	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	128510	49.58	ug/l	98
67) Ethyl Benzene	9.25	91	581725	49.01	ug/l	100
68) m/p-Xylenes	9.38	106	451036	98.98	ug/l	99
69) o-Xylene	9.78	106	223484	50.18	ug/l	100
70) Styrene	9.80	104	361402	50.24	ug/l	98
71) Bromoform	9.96	173	115850	51.55	ug/l #	99
73) Isopropylbenzene	10.17	105	592642	49.55	ug/l	100
74) N-amyl acetate	10.01	43	245847	50.35	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	201252	48.66	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	230292	59.65	ug/l	85
77) Bromobenzene	10.45	156	160914	48.78	ug/l	98
78) n-propylbenzene	10.59	91	680264	48.73	ug/l	99
79) 2-Chlorotoluene	10.66	91	398909	48.79	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	500188	49.24	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	230292	149.56	ug/l #	100
82) 4-Chlorotoluene	10.78	91	479990	49.80	ug/l	99
83) tert-Butylbenzene	11.10	119	489673	48.52	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	524258	50.93	ug/l	99
85) sec-Butylbenzene	11.33	105	577267	46.85	ug/l	100
86) p-Isopropyltoluene	11.48	119	525953	47.67	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	294991	48.18	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	301899	47.30	ug/l	99
89) n-Butylbenzene	11.89	91	458502	45.03	ug/l	100
90) Hexachloroethane	12.15	117	88025	44.87	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	294229	49.02	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51543	52.57	ug/l	96

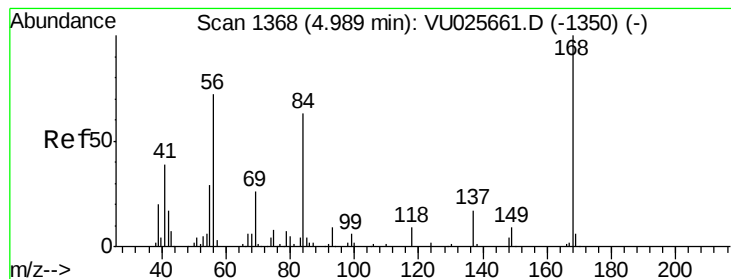
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	204762	50.55	ug/l	99
94) Hexachlorobutadiene	13.70	225	80807	37.84	ug/l	97
95) Naphthalene	13.74	128	1165154	88.56	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	207345	51.31	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

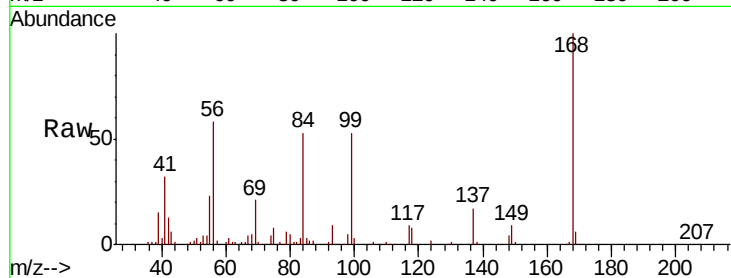
ClientSampleId :

Tot Ion:168 Resp: 188893

Ion Ratio Lower Upper

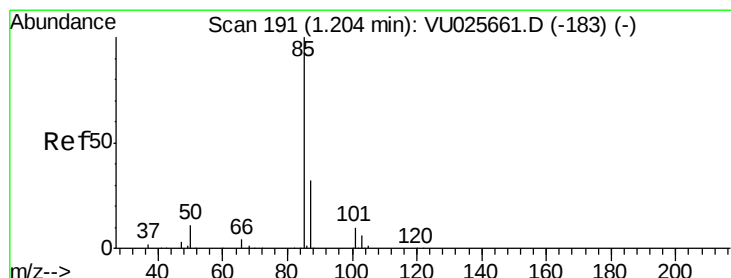
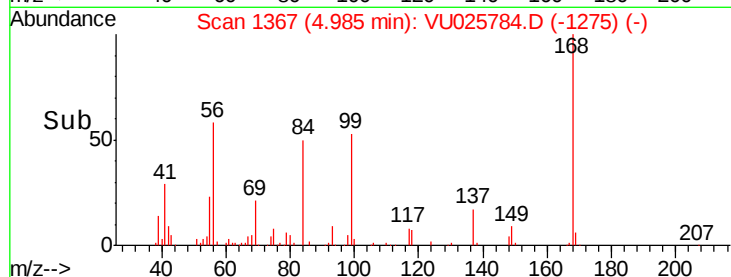
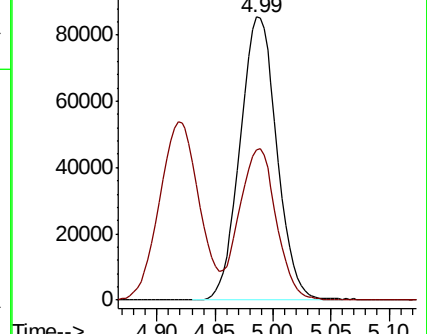
168 100

99 53.0 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: 47.77 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025784.D

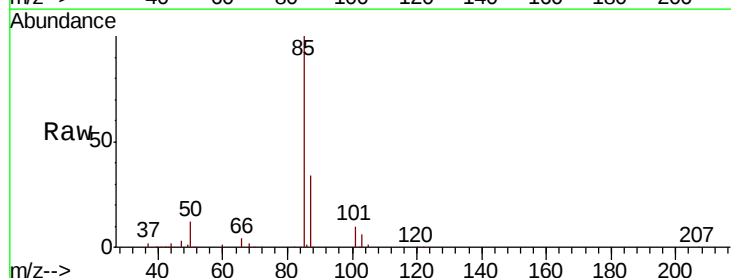
Acq: 01 Aug 2018 18:16

Tgt Ion: 85 Resp: 136370

Ion Ratio Lower Upper

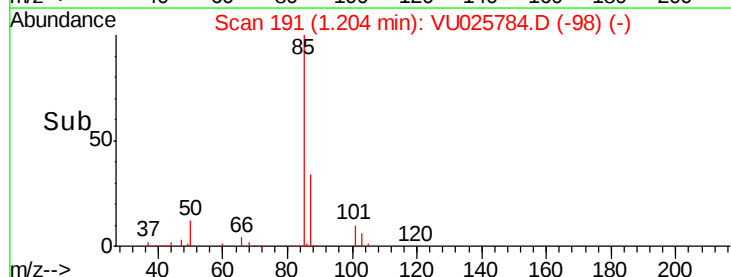
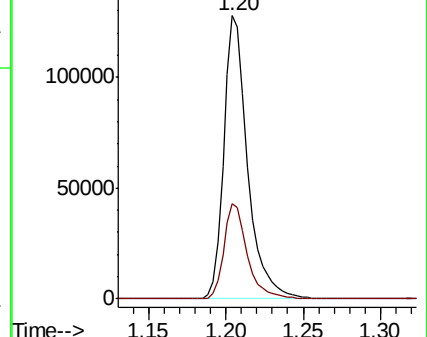
85 100

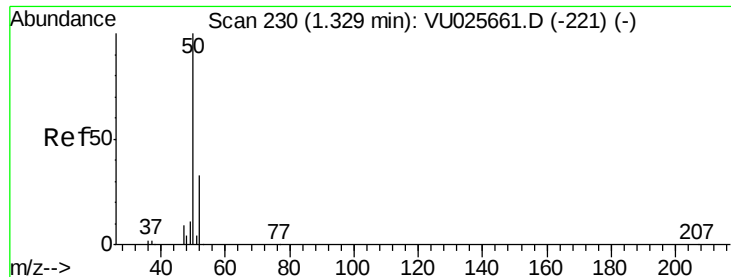
87 33.7 16.5 49.5



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

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

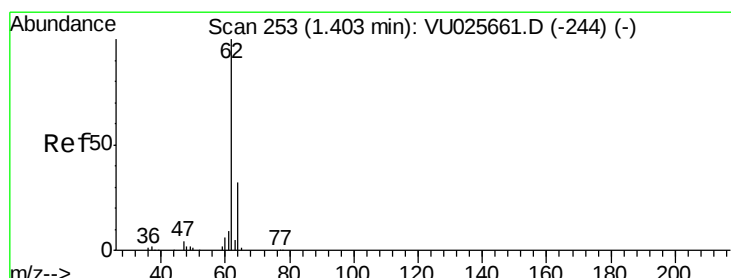
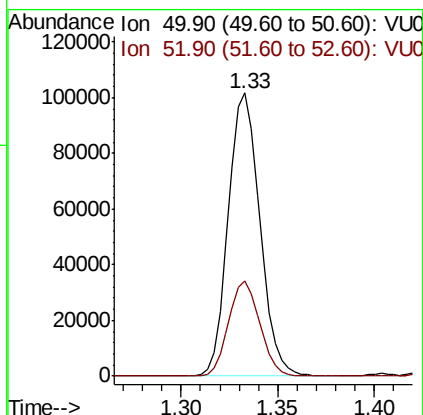
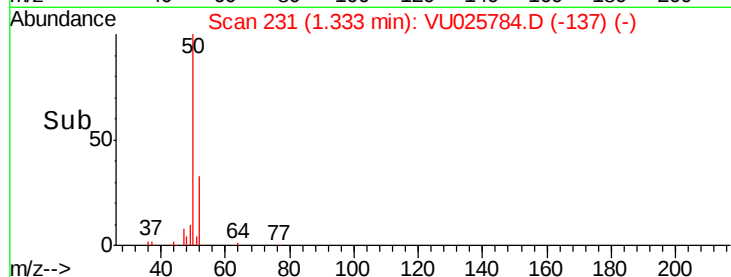
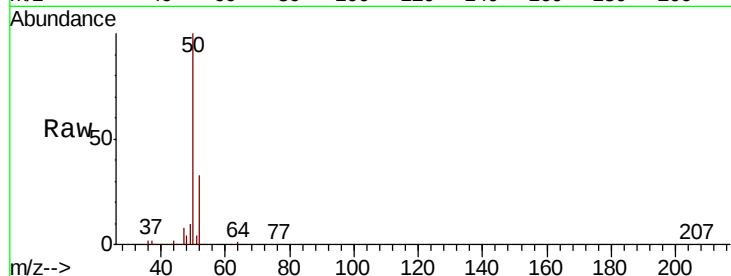




#3
Chloromethane
Concen: 42.14 ug/l
RT: 1.33 min Scan# 231
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

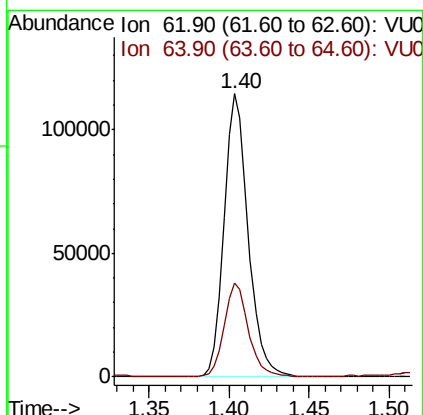
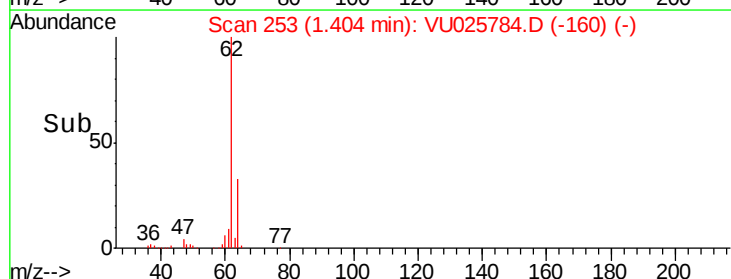
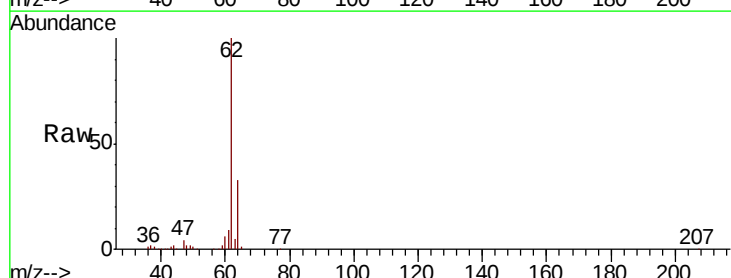
Instrument :
MSVOA_U
ClientSampleId :

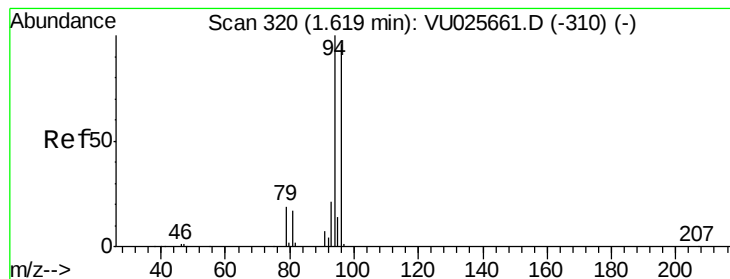
Tot Ion: 50 Resp: 115001
Ion Ratio Lower Upper
50 100
52 33.5 26.5 39.7



#4
Vinyl Chloride
Concen: 46.04 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion: 62 Resp: 118229
Ion Ratio Lower Upper
62 100
64 32.8 25.4 38.0





#5

Bromomethane

Concen: 30.85 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

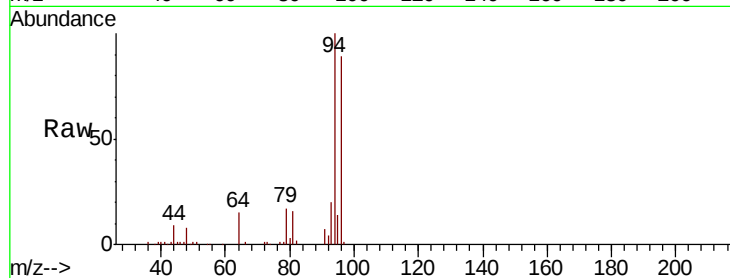
ClientSampleId :

Tot Ion: 94 Resp: 38690

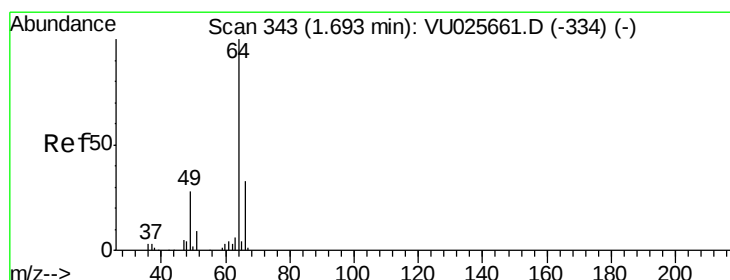
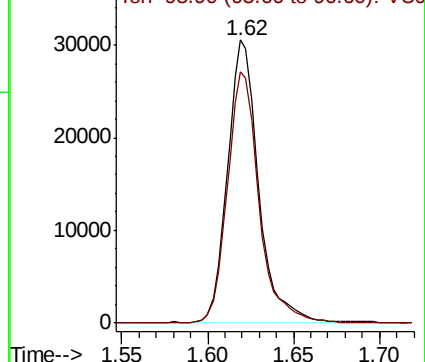
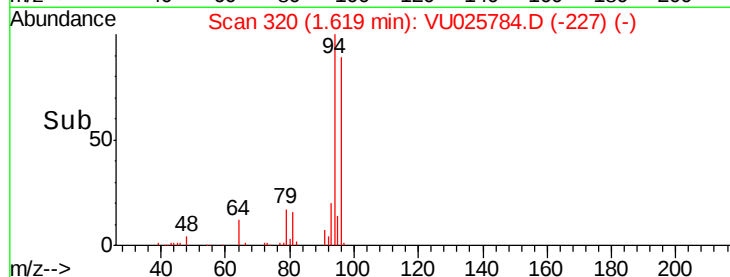
Ion Ratio Lower Upper

94 100

96 89.0 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU025784.D (-227) (-)



#6

Chloroethane

Concen: 48.06 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025784.D

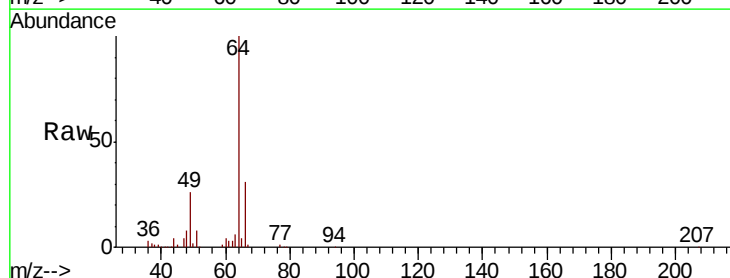
Acq: 01 Aug 2018 18:16

Tgt Ion: 64 Resp: 72166

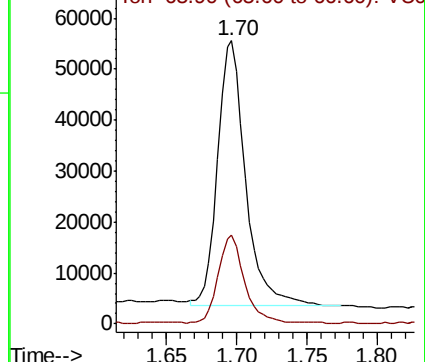
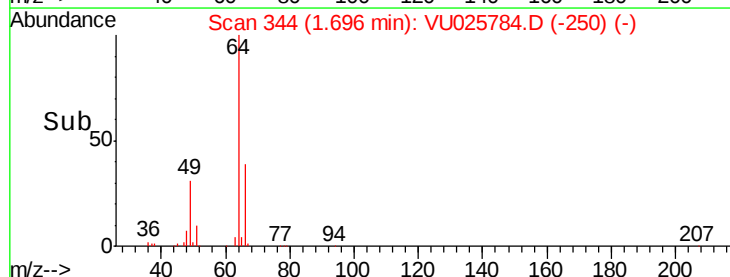
Ion Ratio Lower Upper

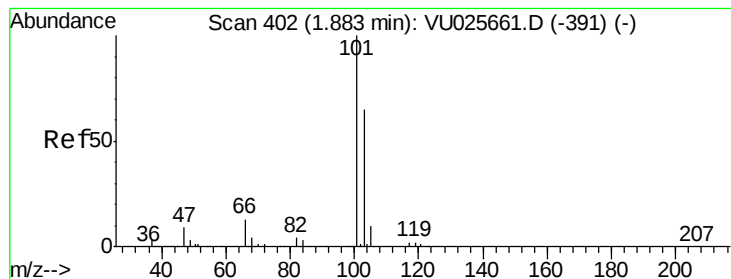
64 100

66 32.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025784.D (-250) (-)





#7

Trichlorofluoromethane

Concen: 47.31 ug/l

RT: 1.88 min Scan# 402

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

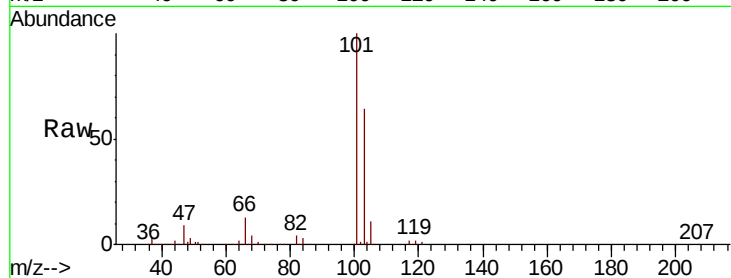
ClientSampleId :

Tot Ion:101 Resp: 175652

Ion Ratio Lower Upper

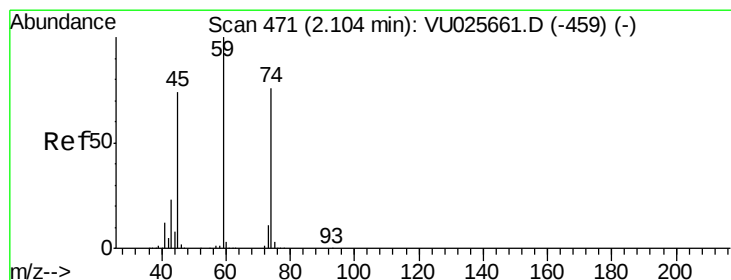
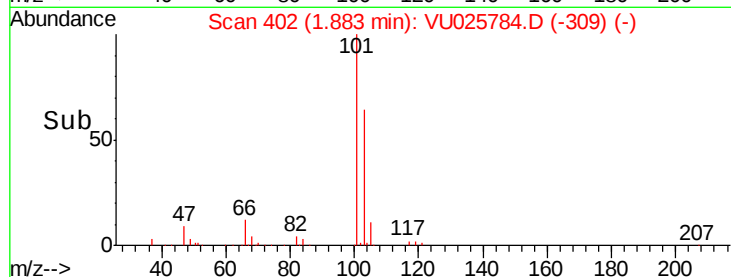
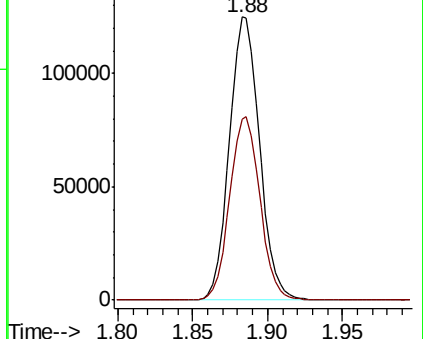
101 100

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: 46.69 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025784.D

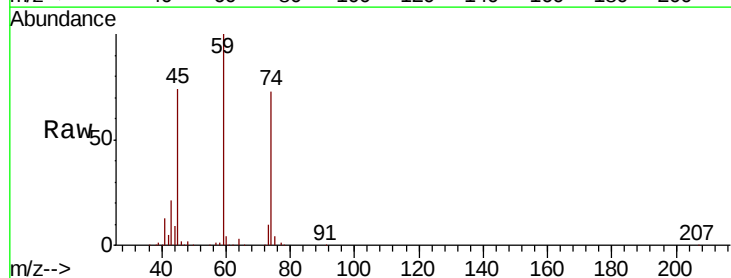
Acq: 01 Aug 2018 18:16

Tgt Ion: 74 Resp: 62727

Ion Ratio Lower Upper

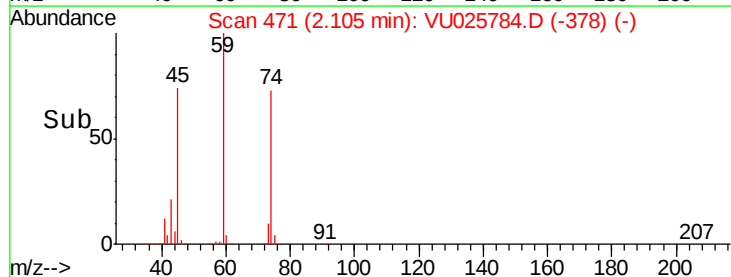
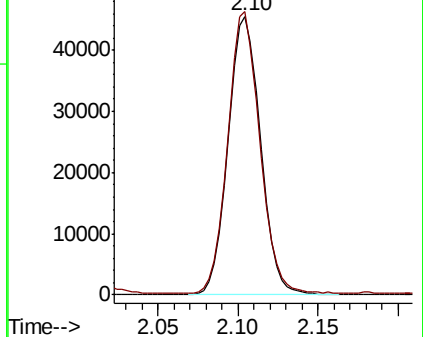
74 100

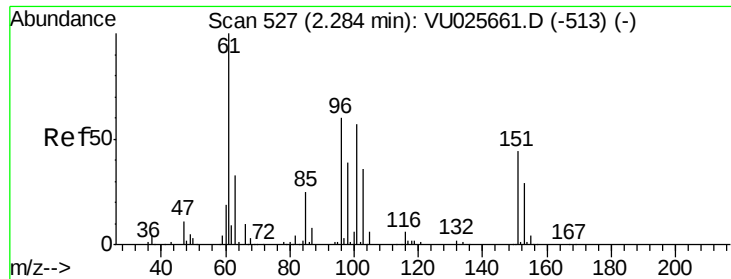
45 99.5 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

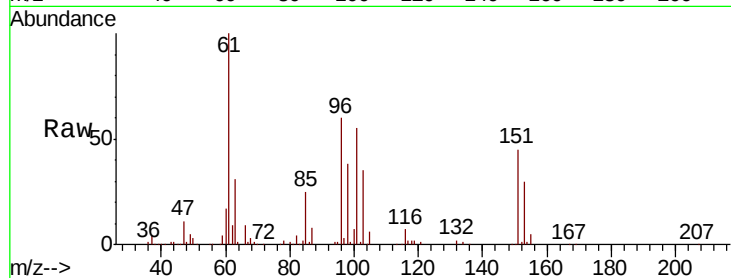




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.16 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.0	36.0	54.0
151	80.2	65.6	98.4

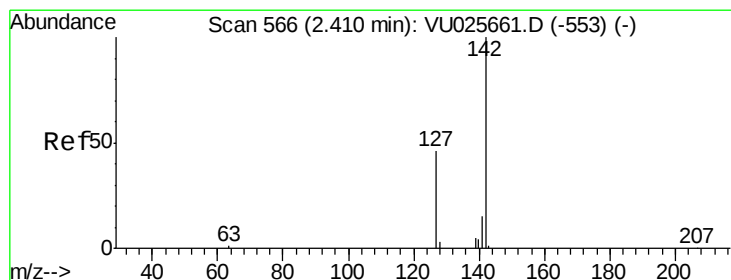
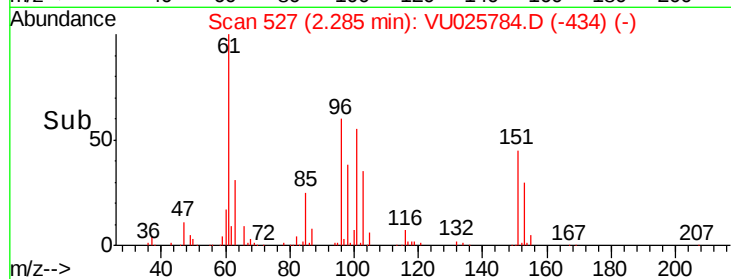
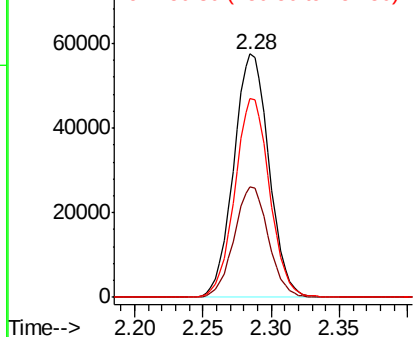


Abundance

Ion 100.90 (100.60 to 101.60): V

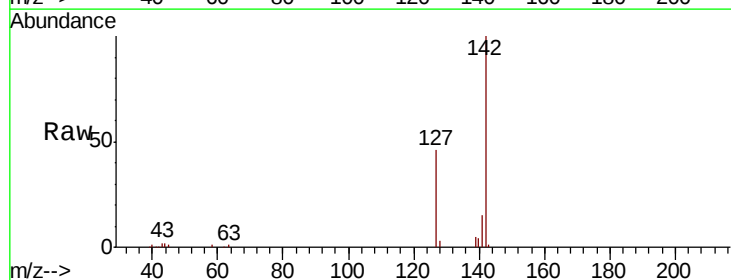
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 32.99 ug/l
 RT: 2.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.3	36.5	54.7
141	14.4	11.4	17.2

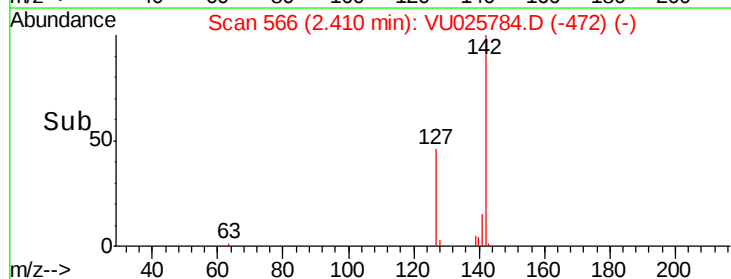
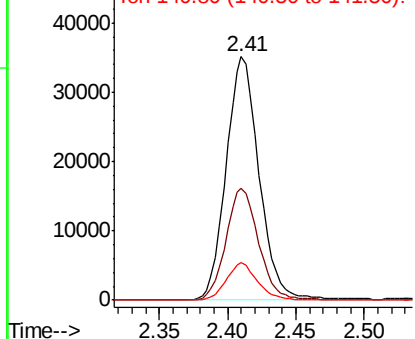


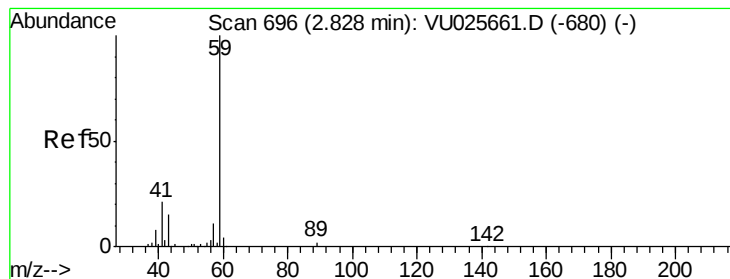
Abundance

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



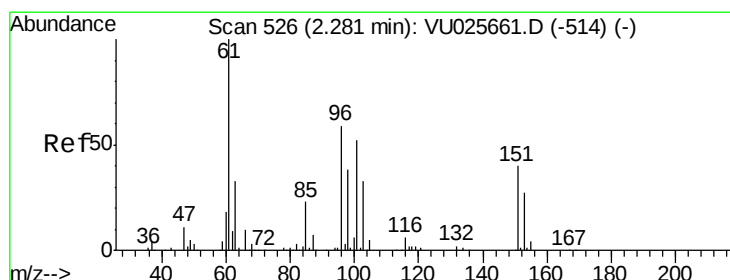
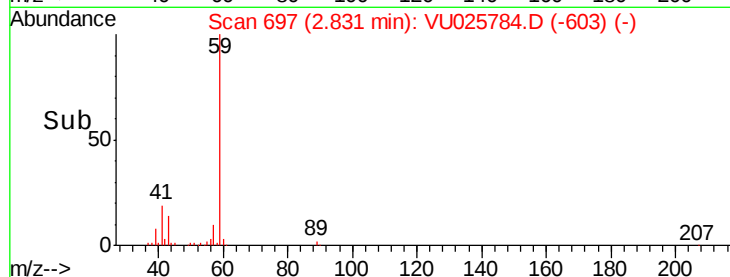
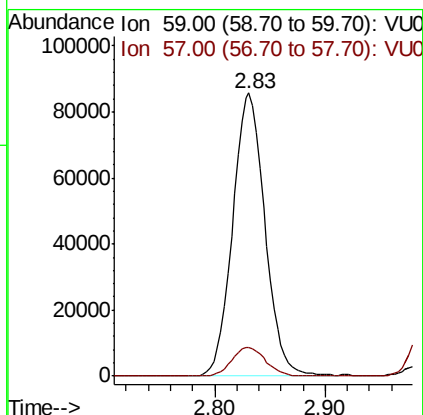
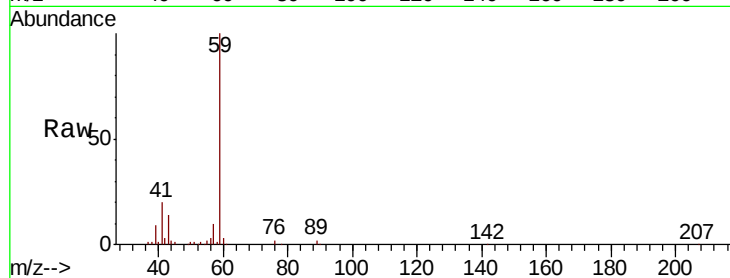


#11

Tert butyl alcohol
 Concen: 269.76 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampleId :

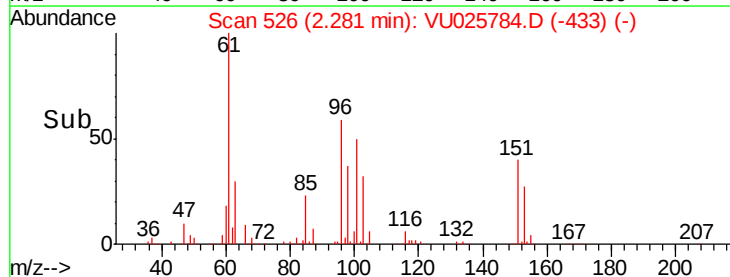
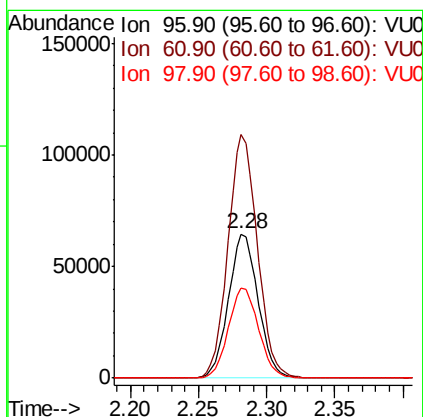
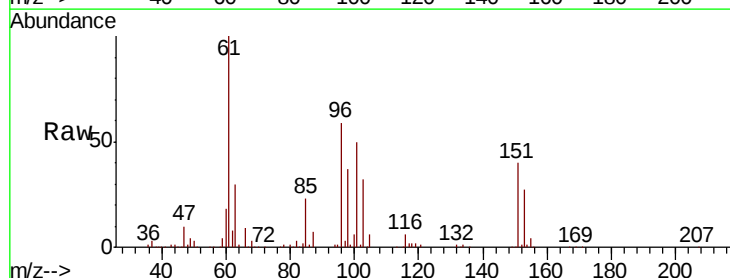
Tot Ion: 59 Resp: 173822
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.2

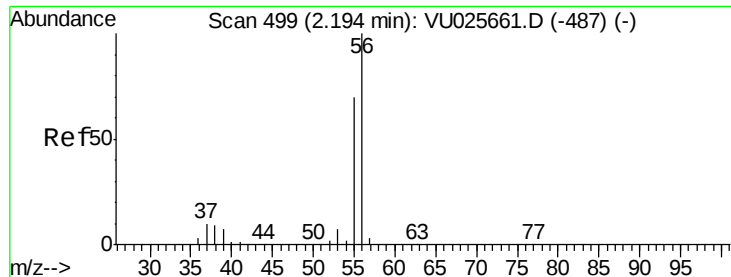


#12

1,1-Dichloroethene
 Concen: 48.22 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion: 96 Resp: 97801
 Ion Ratio Lower Upper
 96 100
 61 168.7 140.2 210.4
 98 62.3 49.3 73.9

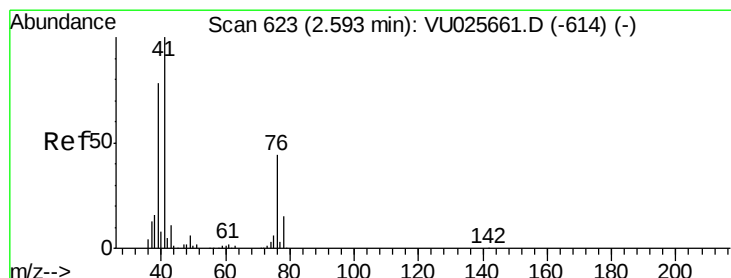
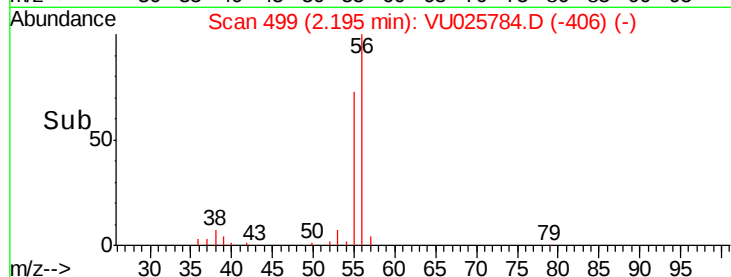
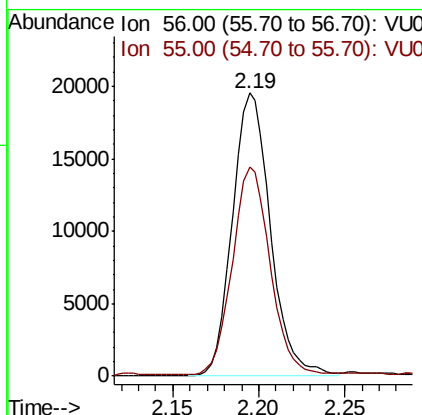
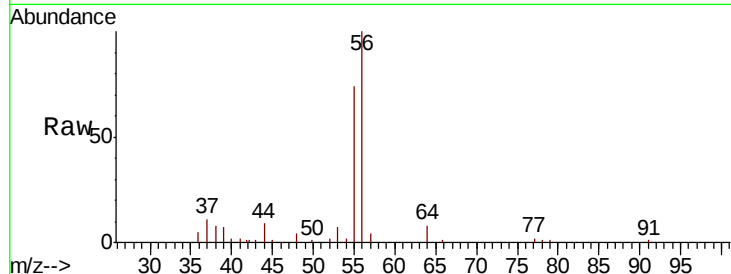




#13
 Acrolein
 Concen: 127.85 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

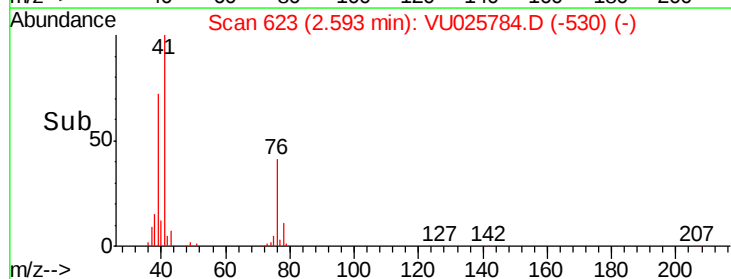
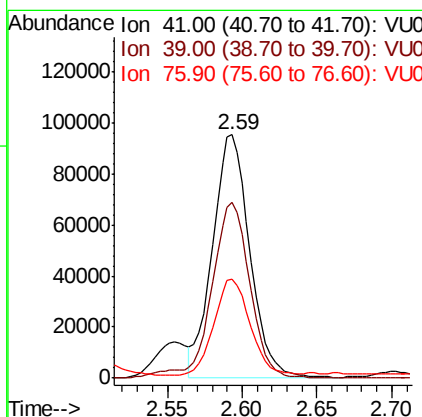
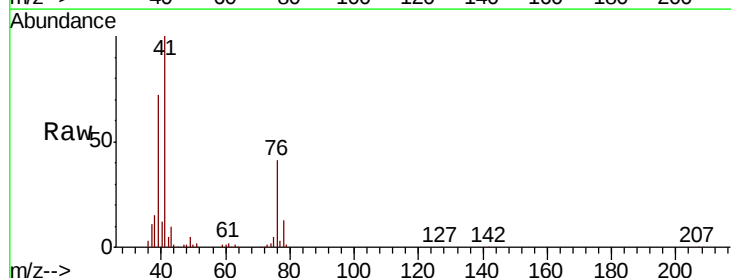
Instrument :
 MSVOA_U
 ClientSampleId :

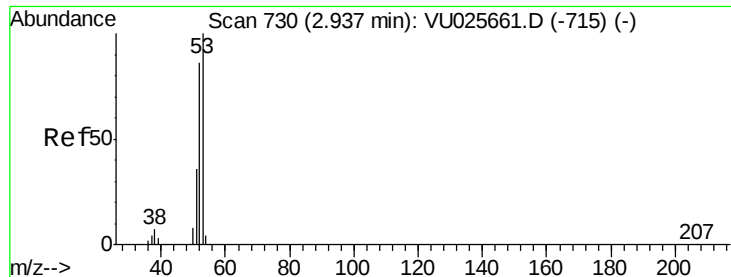
Tot Ion: 56 Resp: 30066
 Ion Ratio Lower Upper
 56 100
 55 72.5 57.2 85.8



#14
 Allyl chloride
 Concen: 45.24 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion: 41 Resp: 164895
 Ion Ratio Lower Upper
 41 100
 39 74.0 60.6 91.0
 76 38.4 30.5 45.7





#15

Acrylonitrile

Concen: 257.06 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

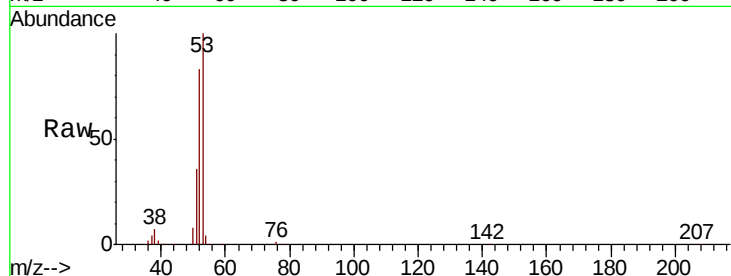
Tot Ion: 53 Resp: 330713

Ion Ratio Lower Upper

53 100

52 83.2 66.6 99.8

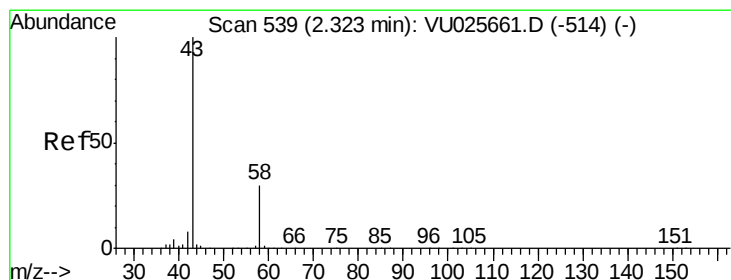
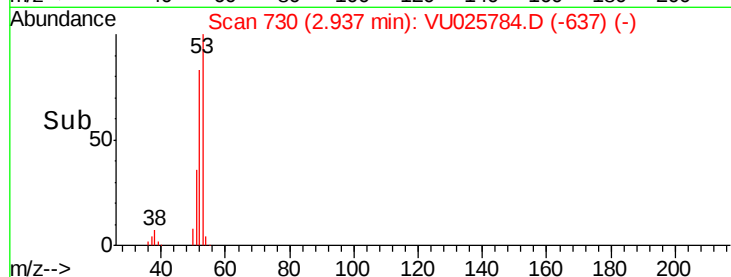
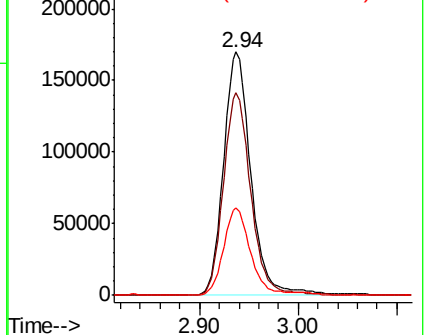
51 36.2 29.4 44.2



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: 224.28 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025784.D

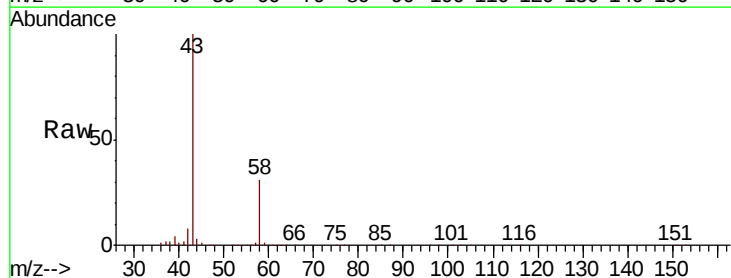
Acq: 01 Aug 2018 18:16

Tgt Ion: 43 Resp: 321823

Ion Ratio Lower Upper

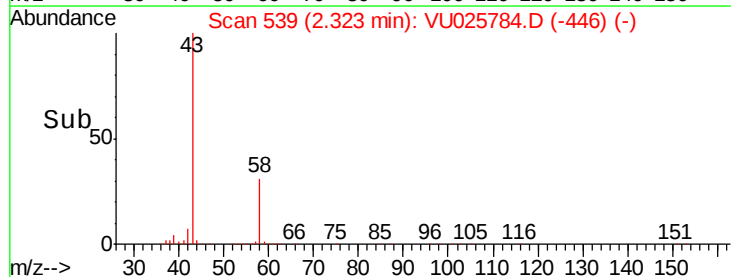
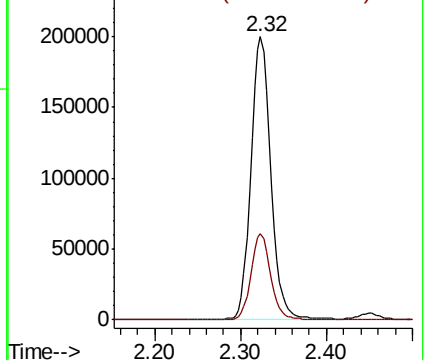
43 100

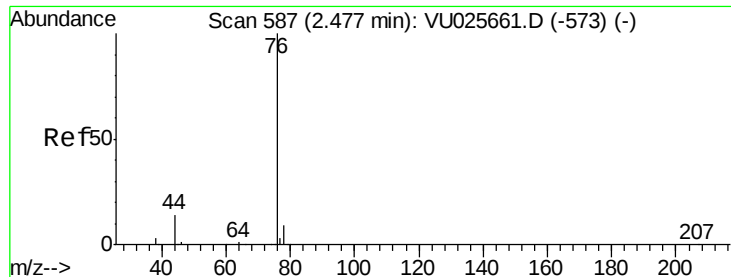
58 30.5 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

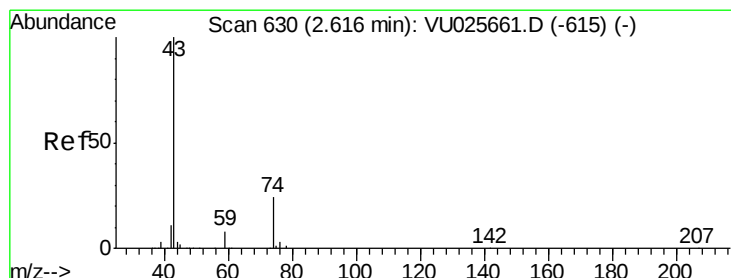
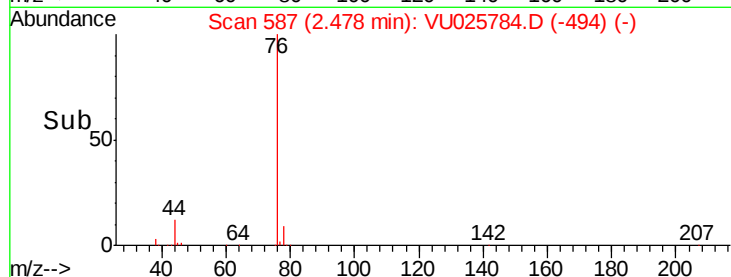
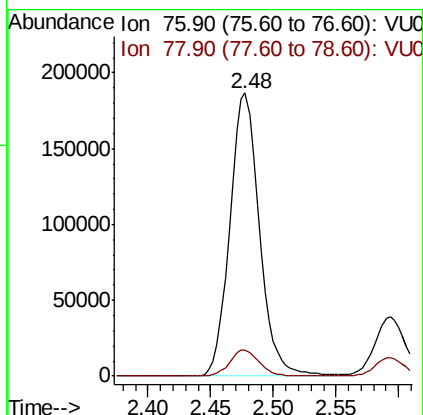
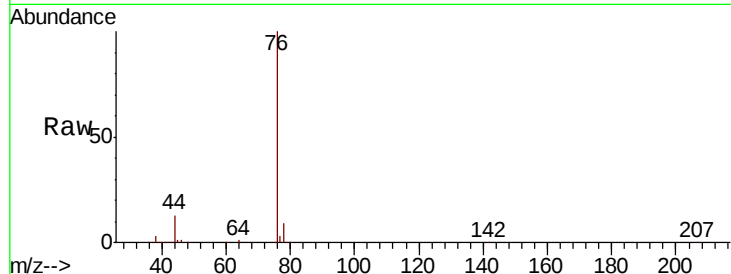




#17
Carbon Disulfide
Concen: 46.73 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

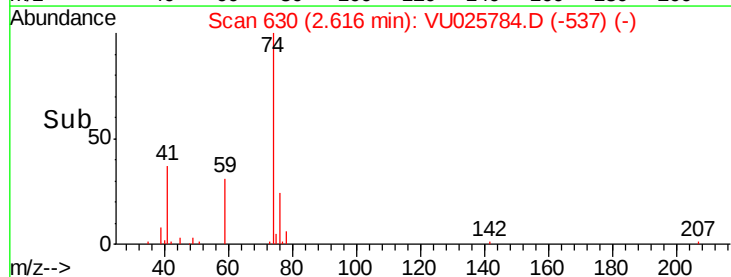
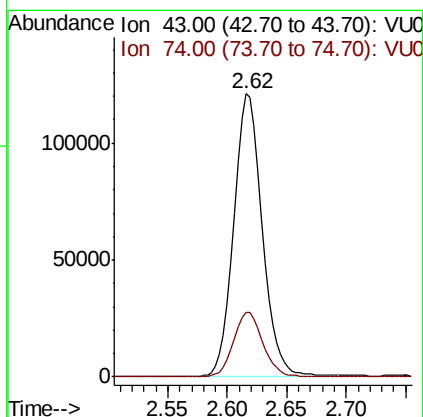
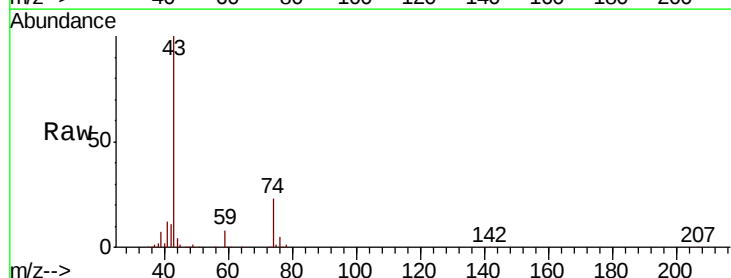
Instrument :
MSVOA_U
ClientSampleId :

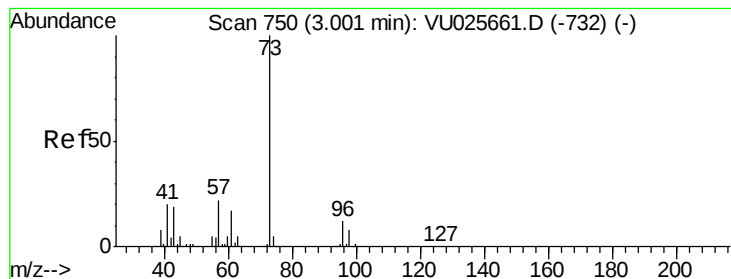
Tot Ion: 76 Resp: 306716
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 58.09 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion: 43 Resp: 200639
Ion Ratio Lower Upper
43 100
74 23.7 18.5 27.7



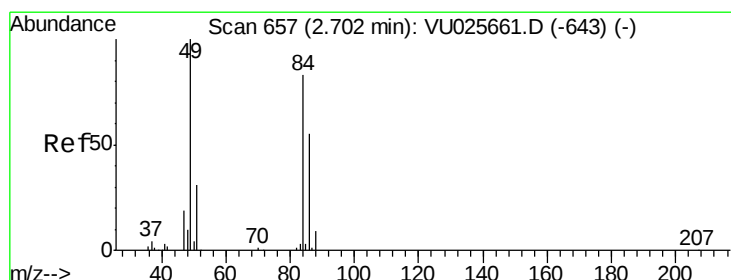
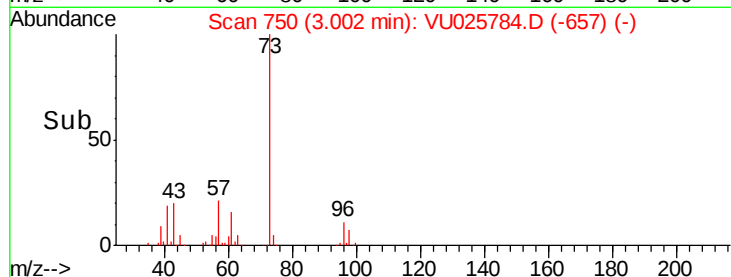
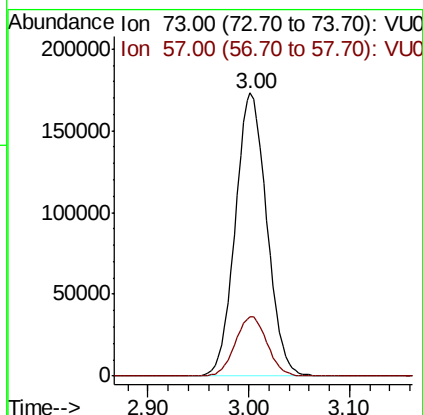
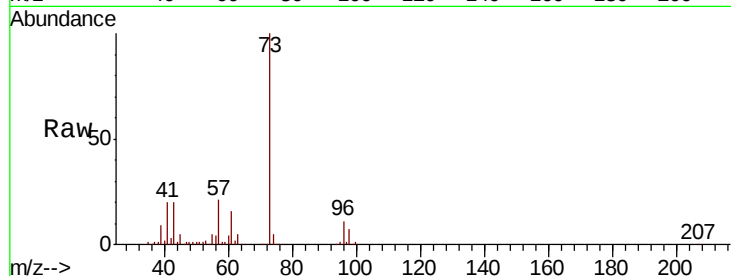


#19

Methyl tert-butyl Ether
 Concen: 50.83 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampleId :

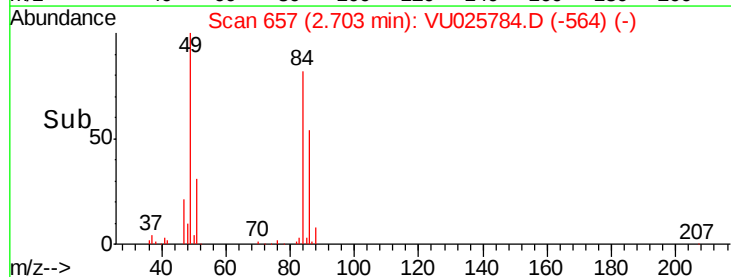
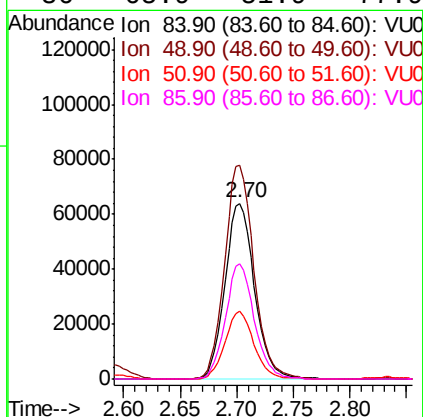
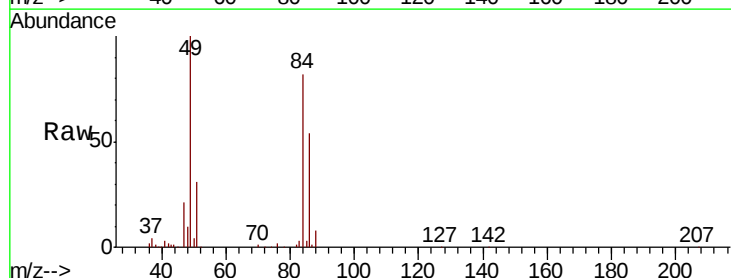
Tot Ion: 73 Resp: 373607
 Ion Ratio Lower Upper
 73 100
 57 20.9 17.4 26.2

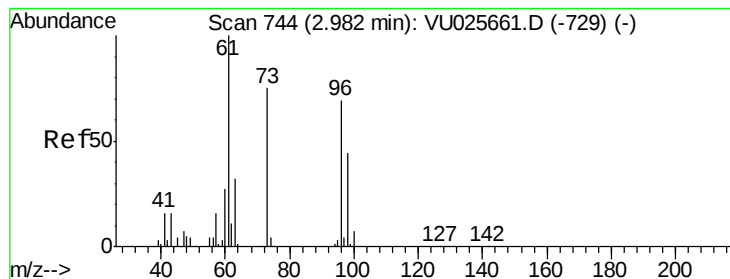


#20

Methylene Chloride
 Concen: 45.75 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion: 84 Resp: 116343
 Ion Ratio Lower Upper
 84 100
 49 121.6 101.8 152.6
 51 38.3 30.8 46.2
 86 65.9 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 47.00 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

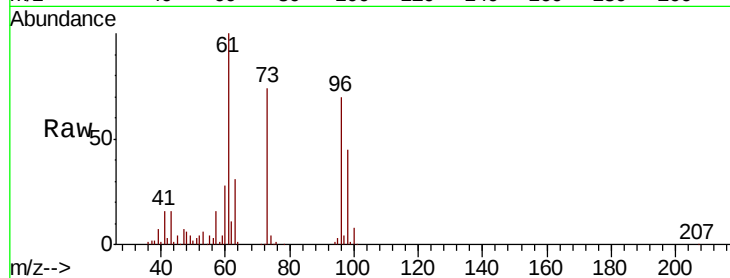
Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 110197

Ion	Ratio	Lower	Upper
96	100		
61	142.4	114.5	171.7
98	64.1	50.5	75.7

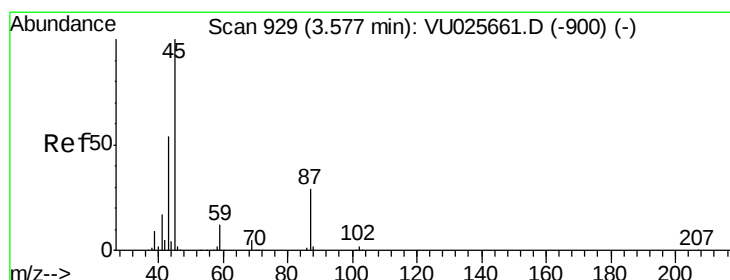
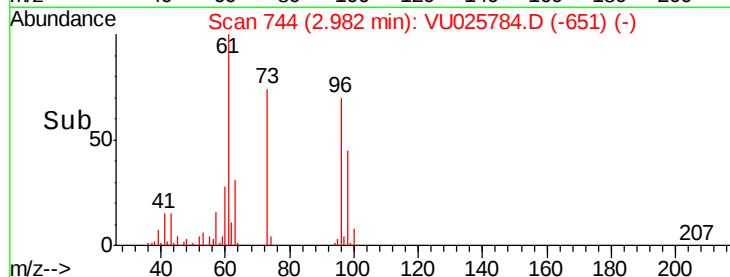
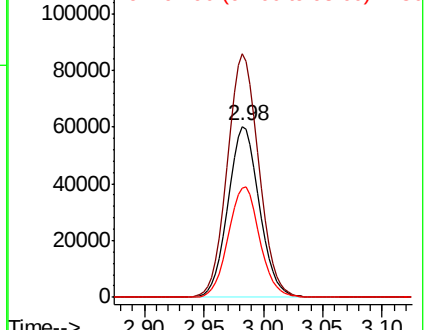


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 49.08 ug/l

RT: 3.57 min Scan# 928

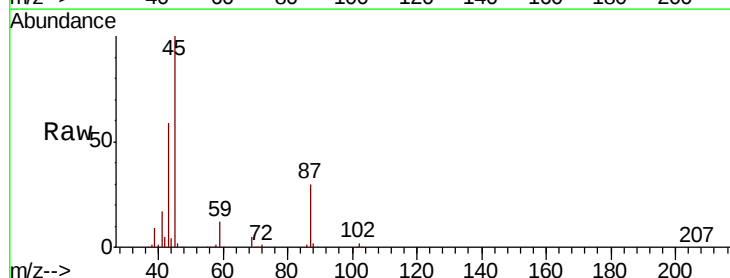
Delta R.T. -0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Tgt Ion: 45 Resp: 352535

Ion	Ratio	Lower	Upper
45	100		
43	58.2	50.9	76.3
87	29.8	23.8	35.8
59	12.0	9.0	13.4



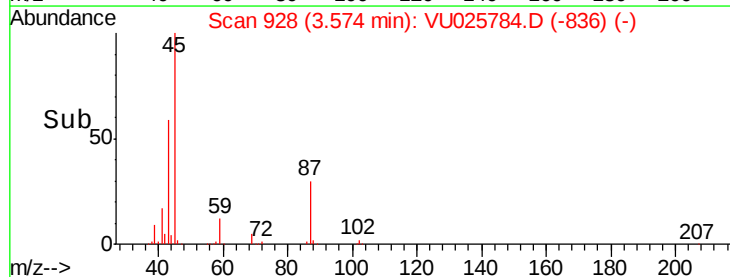
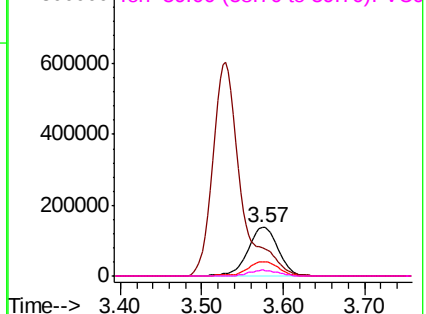
Abundance

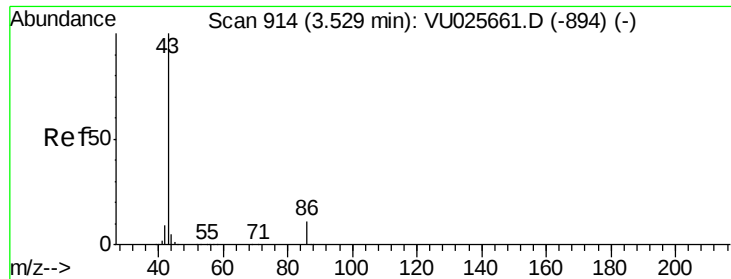
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 231.71 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

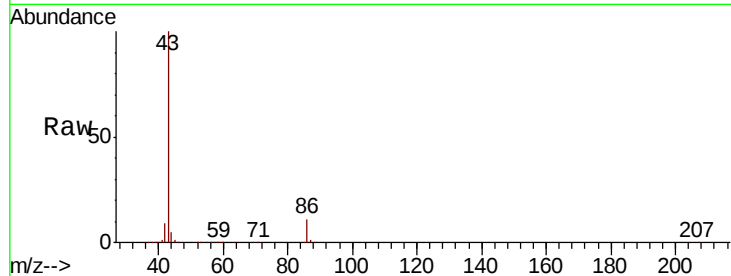
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1450349

Ion Ratio Lower Upper

43 100

86 10.6 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-894) (-)

Ion 86.00 (85.70 to 86.70): VU025661.D (-894) (-)

3.53

600000

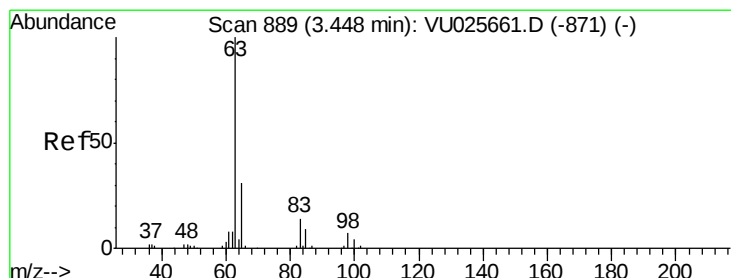
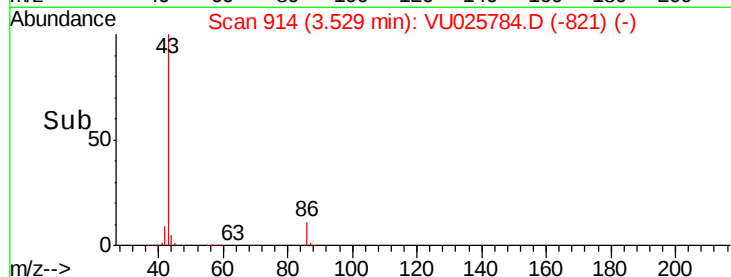
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 48.63 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

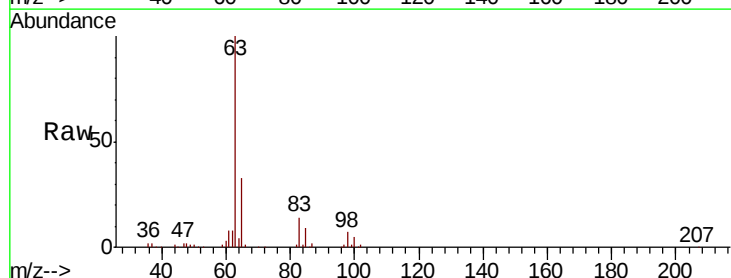
Tgt Ion: 63 Resp: 209675

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU025661.D (-871) (-)

Ion 97.90 (97.60 to 98.60): VU025661.D (-871) (-)

Ion 99.90 (99.60 to 100.60): VU025661.D (-871) (-)

3.45

120000

100000

80000

60000

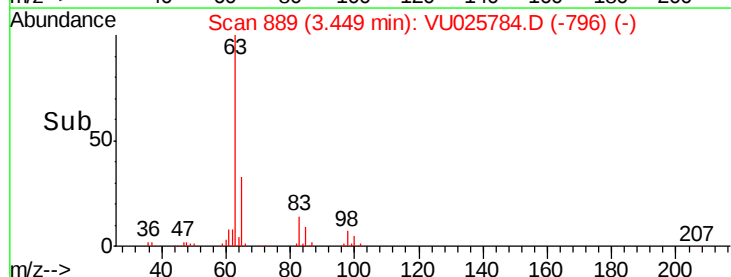
40000

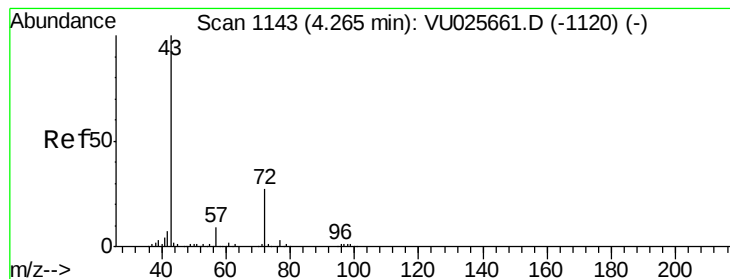
20000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 249.43 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

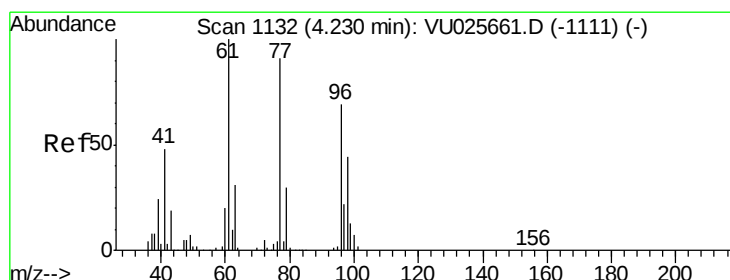
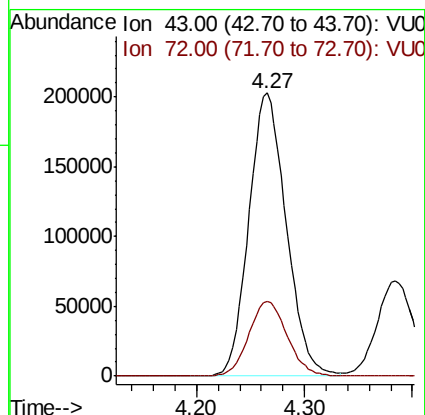
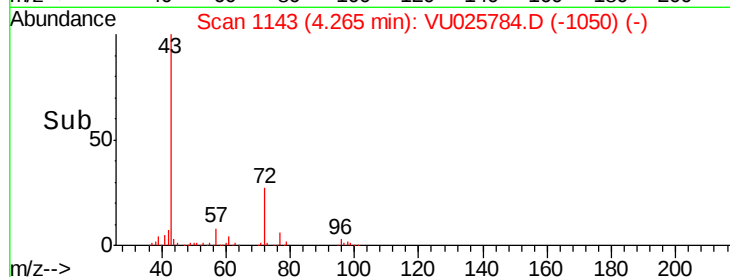
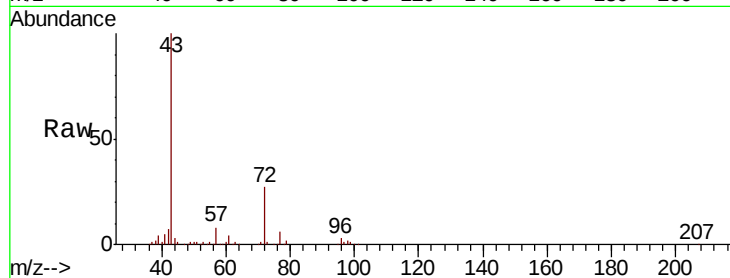
ClientSampled :

Tot Ion: 43 Resp: 487212

Ion Ratio Lower Upper

43 100

72 26.6 21.0 31.4



#26

2,2-Dichloropropane

Concen: 45.80 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025784.D

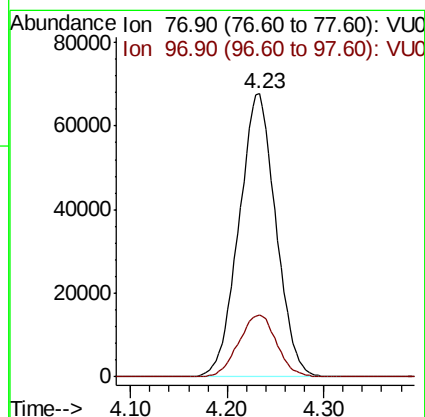
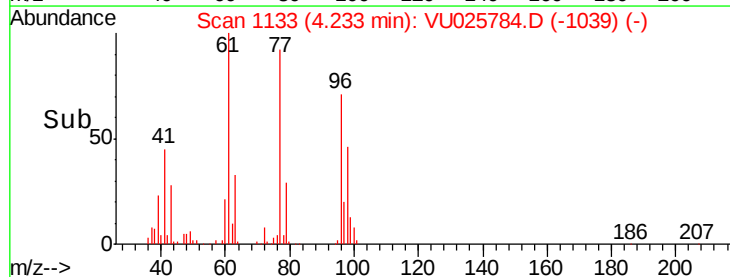
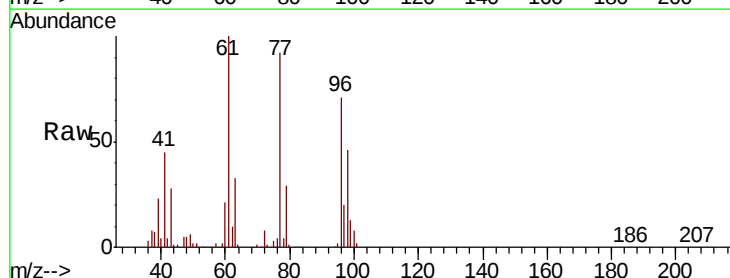
Acq: 01 Aug 2018 18:16

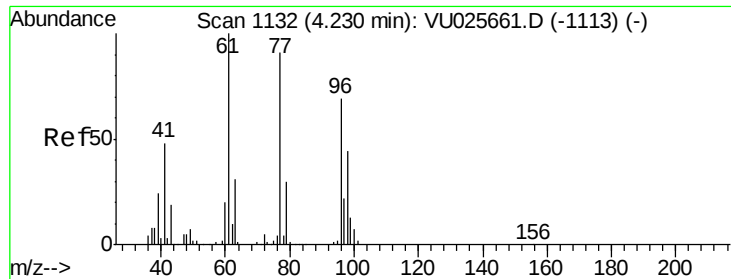
Tgt Ion: 77 Resp: 179479

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 48.72 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

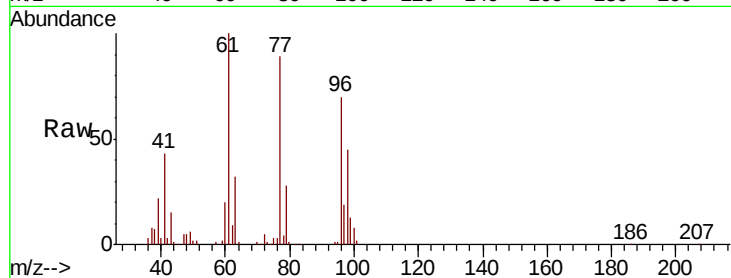
Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 128779

Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	299.8
98	64.1	0.0	128.6

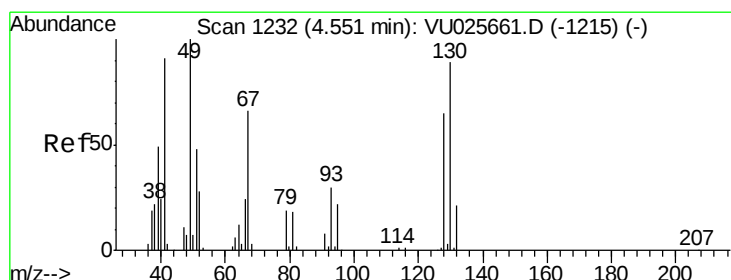
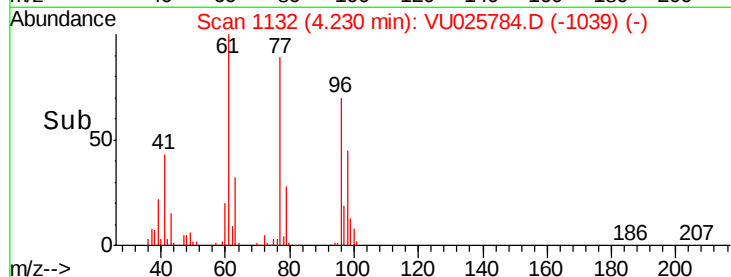
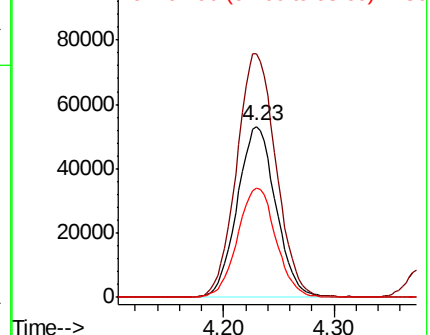


Abundance

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: 49.59 ug/l

RT: 4.55 min Scan# 1232

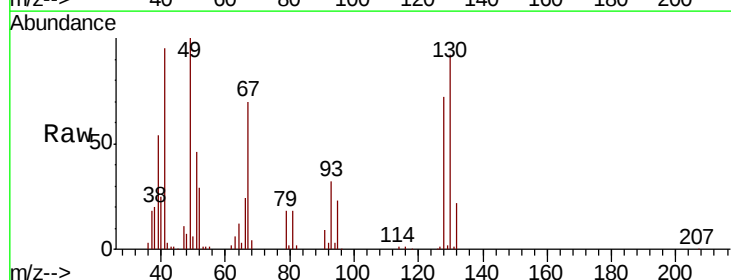
Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Tgt Ion: 49 Resp: 95599

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	89.2	68.6	102.8

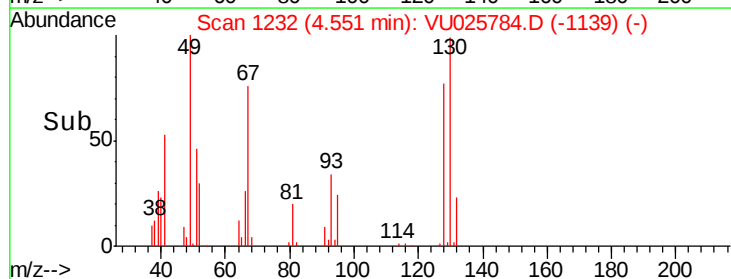
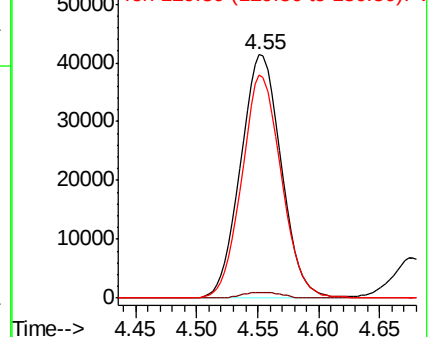


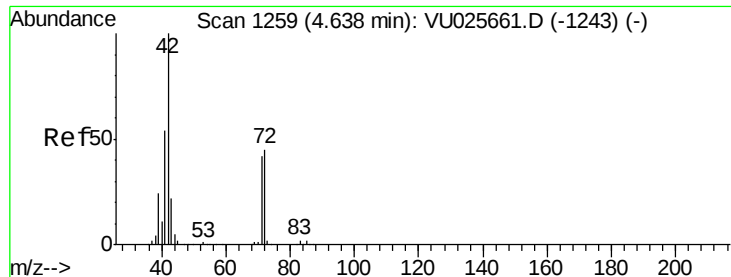
Abundance

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

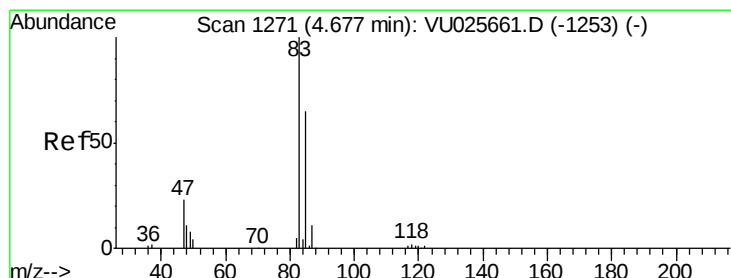
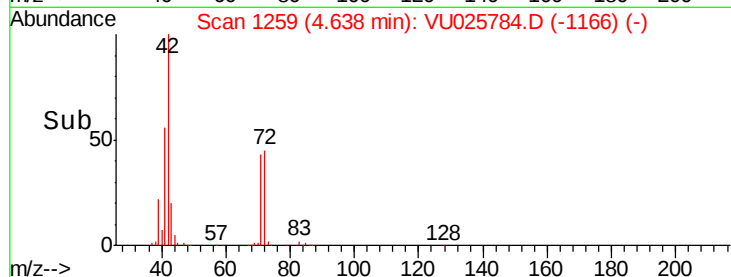
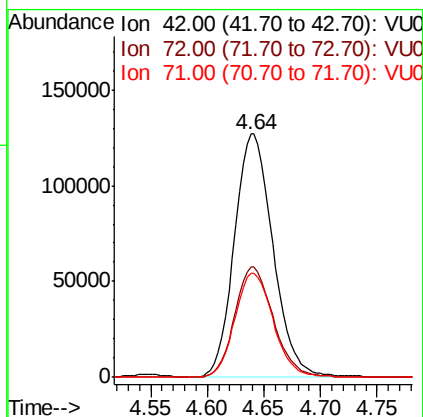
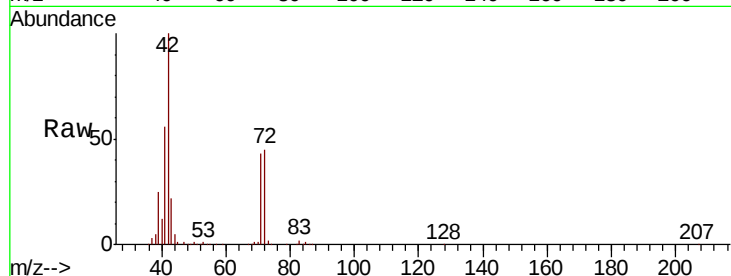




#29
Tetrahydrofuran
Concen: 257.10 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

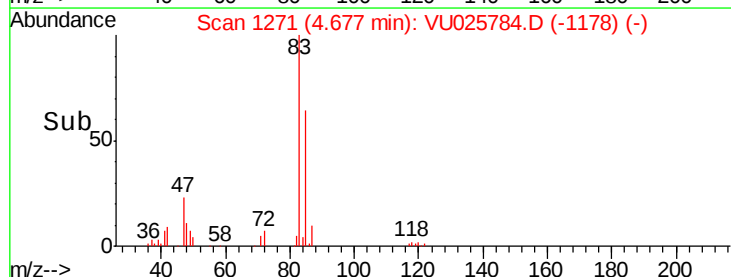
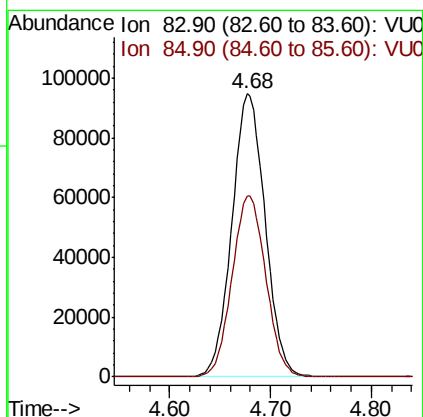
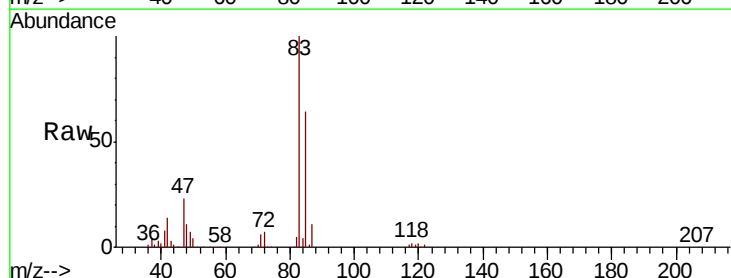
Instrument :
MSVOA_U
ClientSampleId :

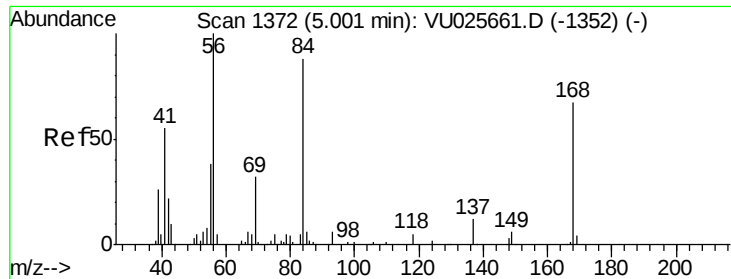
Tot Ion: 42 Resp: 300875
Ion Ratio Lower Upper
42 100
72 45.6 36.7 55.1
71 42.8 33.9 50.9



#30
Chloroform
Concen: 47.61 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion: 83 Resp: 216681
Ion Ratio Lower Upper
83 100
85 64.1 51.5 77.3

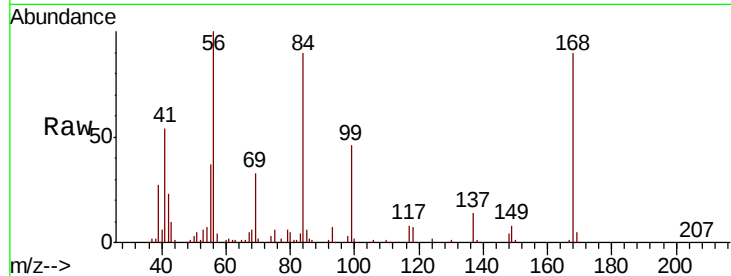




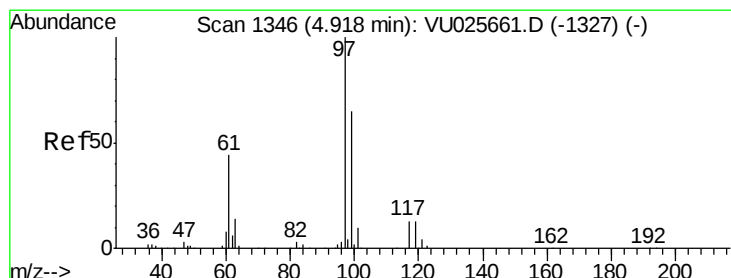
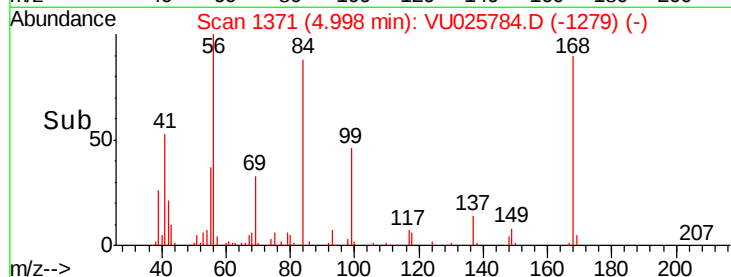
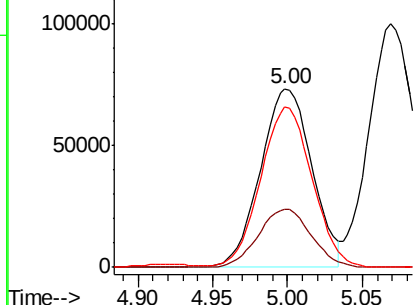
#31
Cyclohexane
Concen: 46.72 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 175543
Ion Ratio Lower Upper
56 100
69 32.6 26.8 40.2
84 88.5 69.7 104.5

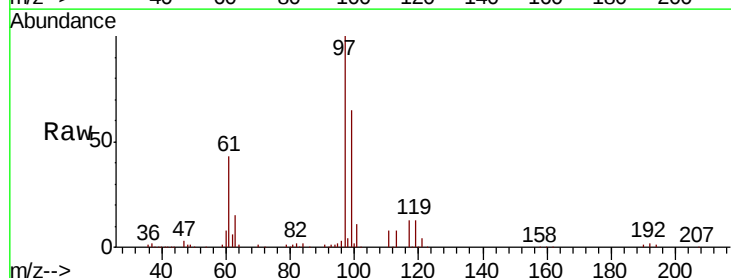


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

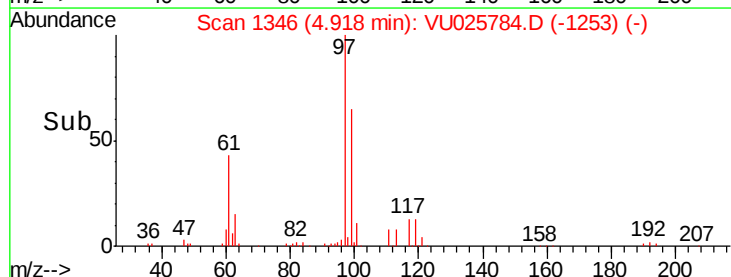
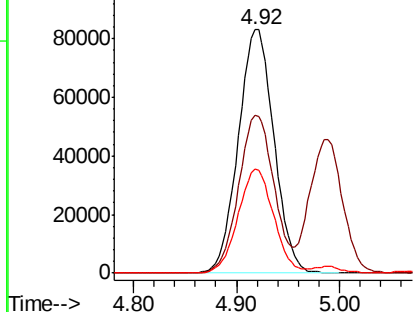


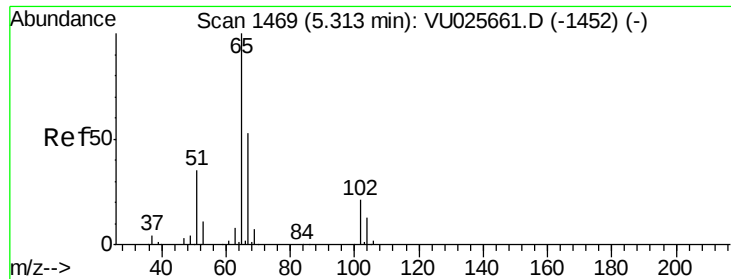
#32
1,1,1-Trichloroethane
Concen: 48.78 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion: 97 Resp: 199886
Ion Ratio Lower Upper
97 100
99 64.2 50.8 76.2
61 42.4 35.2 52.8



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

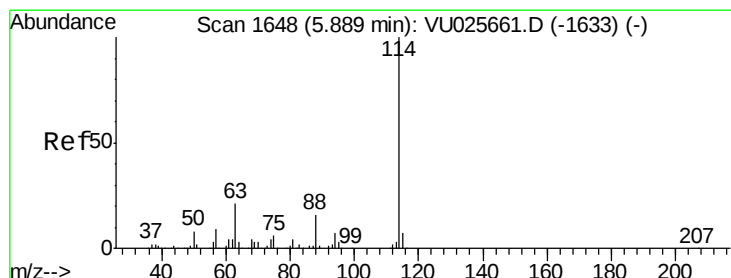
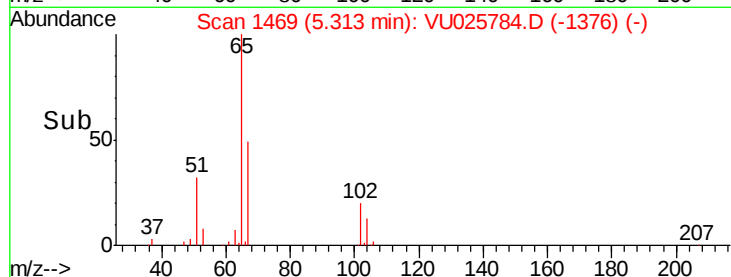
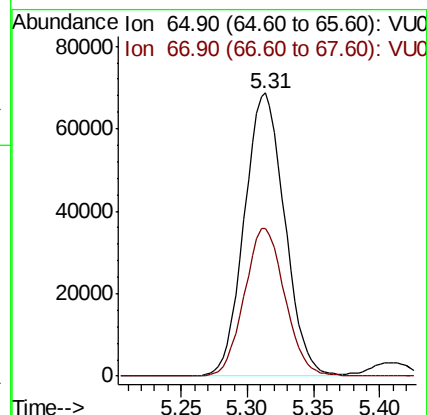
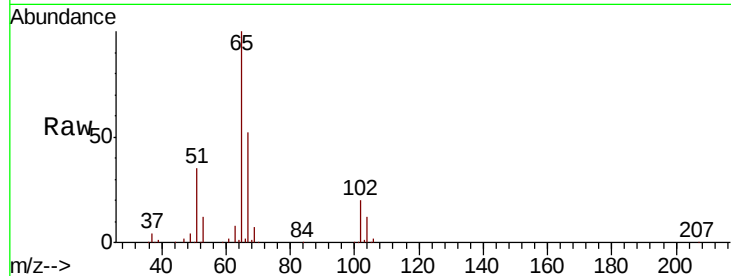




#33
 1,2-Dichloroethane-d4
 Concen: 49.50 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

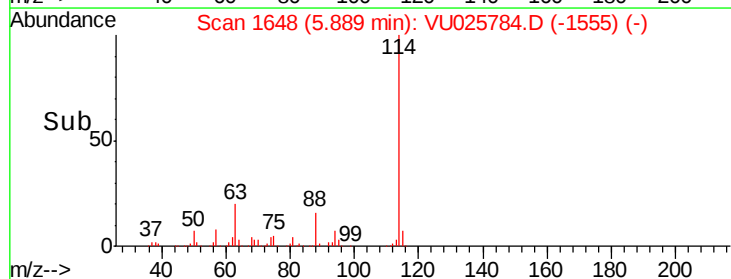
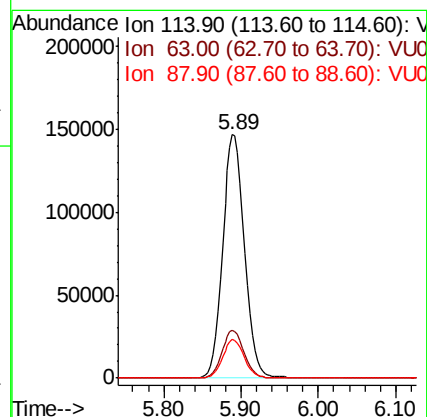
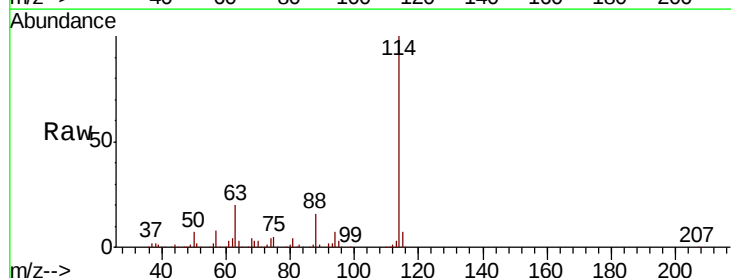
Instrument :
 MSVOA_U
 ClientSampleId :

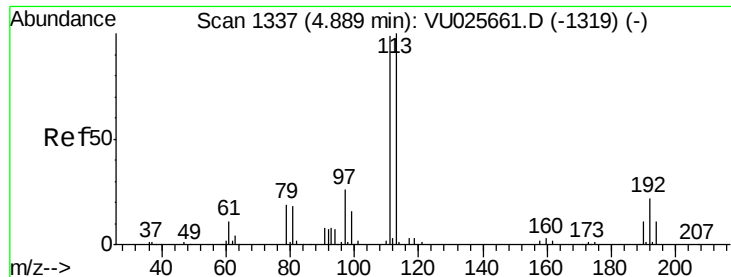
Tot Ion: 65 Resp: 145683
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion: 114 Resp: 289620
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.6
 88 15.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 48.18 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :

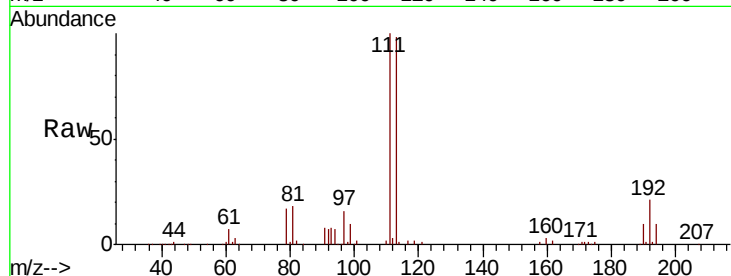
Tot Ion:113 Resp: 121365

Ion Ratio Lower Upper

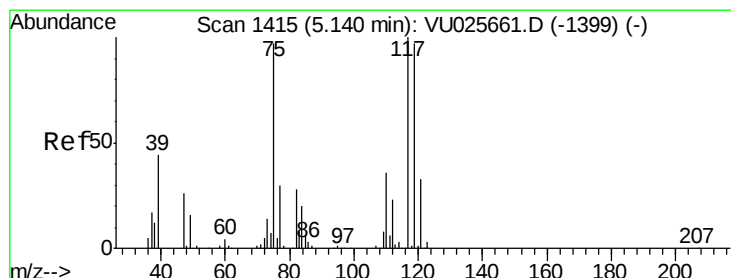
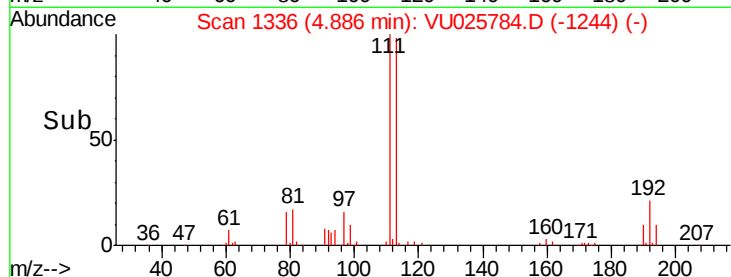
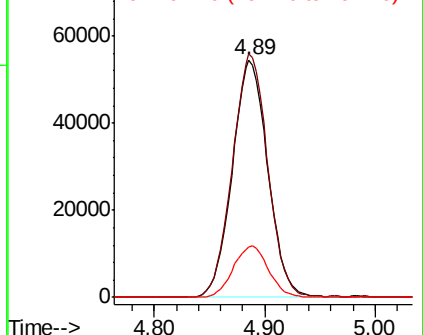
113 100

111 102.2 81.7 122.5

192 21.4 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: 47.61 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

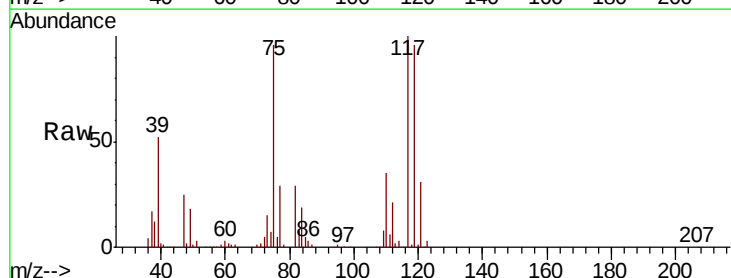
Tgt Ion: 75 Resp: 161142

Ion Ratio Lower Upper

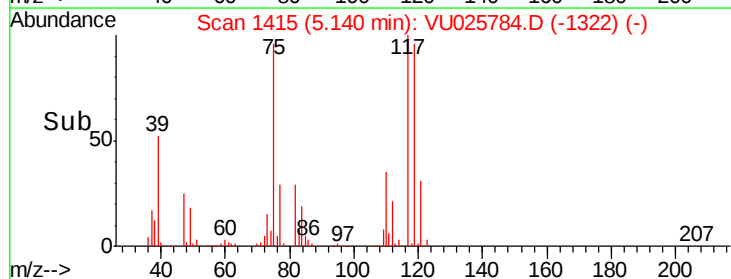
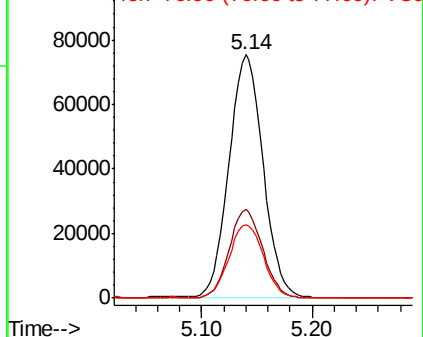
75 100

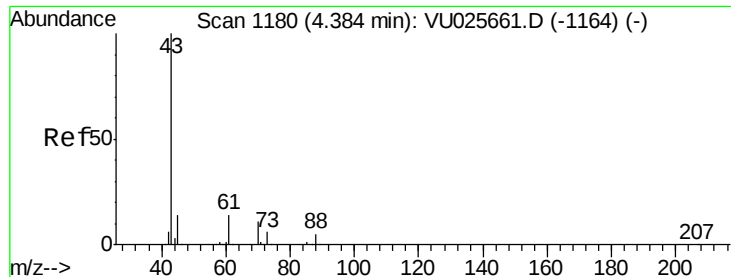
110 36.0 17.6 52.9

77 30.8 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

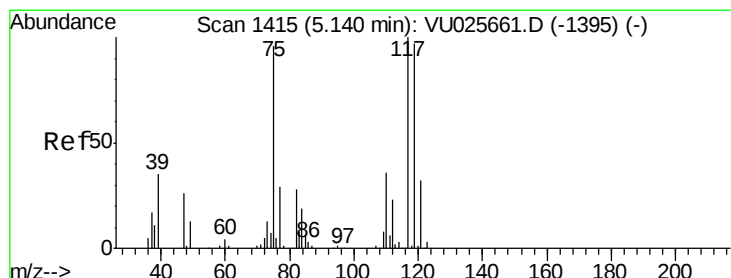
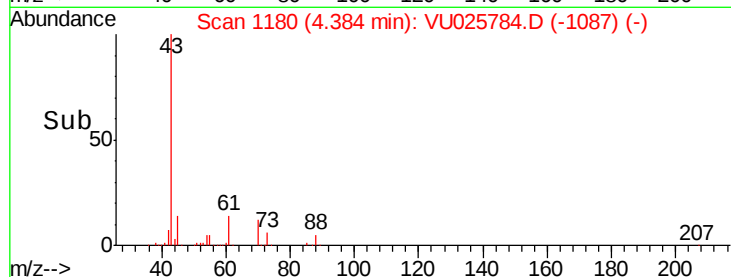
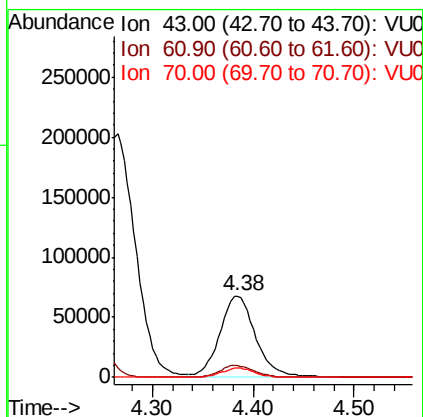
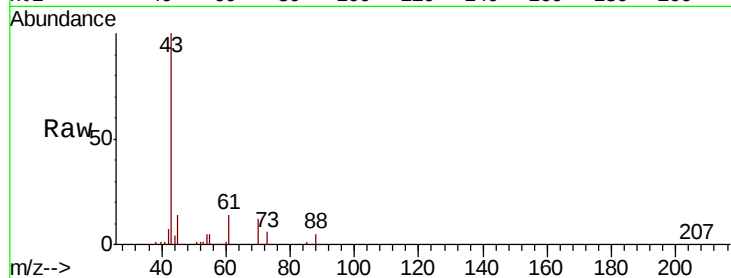




#37
Ethyl Acetate
Concen: 47.19 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

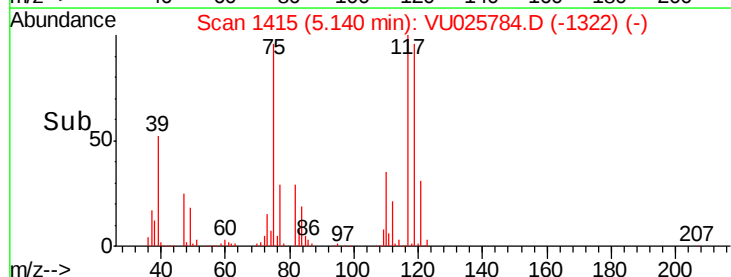
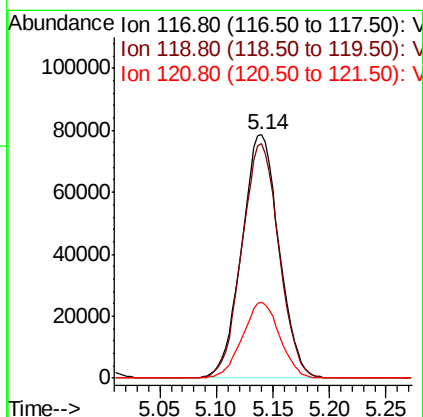
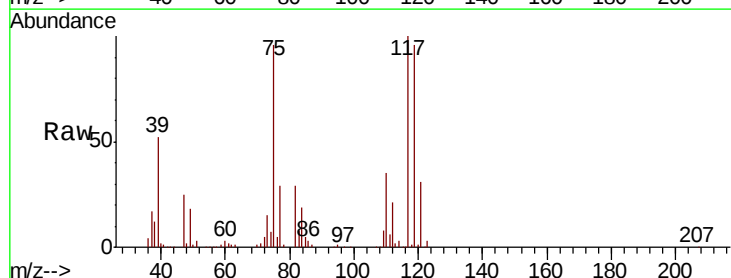
Instrument :
MSVOA_U
ClientSampled :

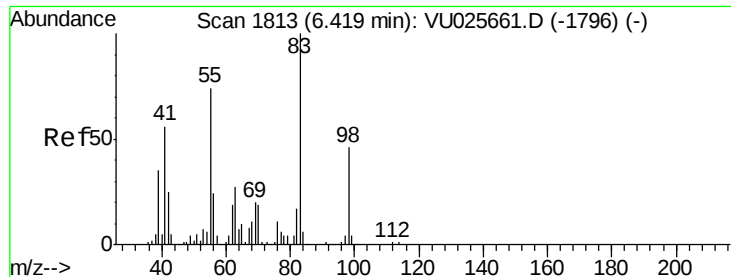
Tot Ion: 43 Resp: 165604
Ion Ratio Lower Upper
43 100
61 14.3 10.7 16.1
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 47.06 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion: 117 Resp: 180411
Ion Ratio Lower Upper
117 100
119 96.2 75.7 113.5
121 31.2 24.6 36.8

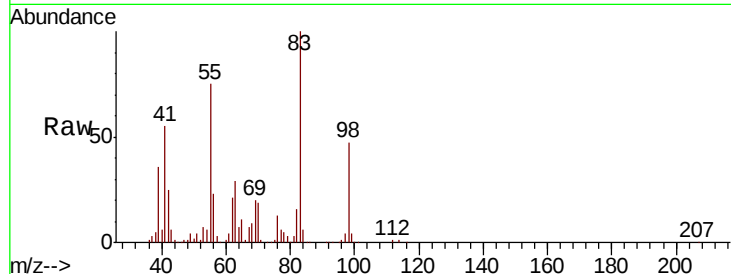




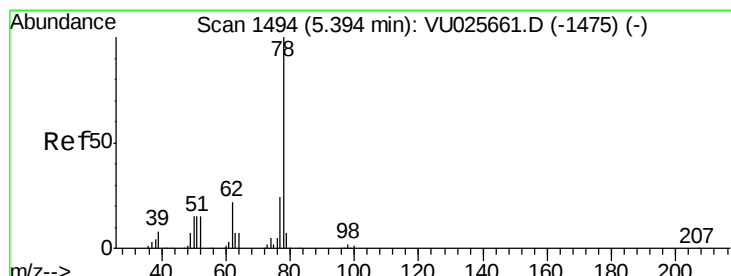
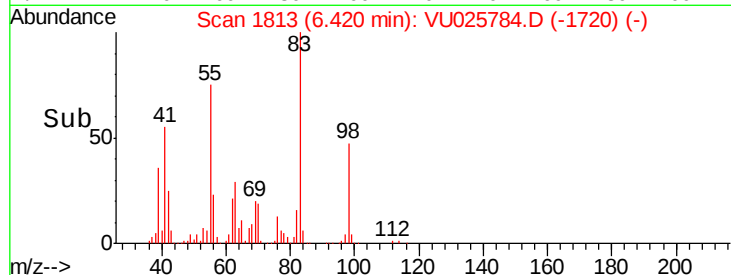
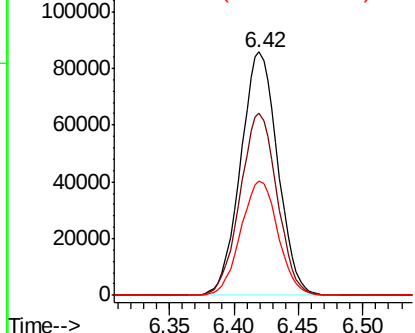
#39
Methvlcvclohexane
Concen: 44.34 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 171944
Ion Ratio Lower Upper
83 100
55 74.7 60.0 90.0
98 47.0 36.1 54.1

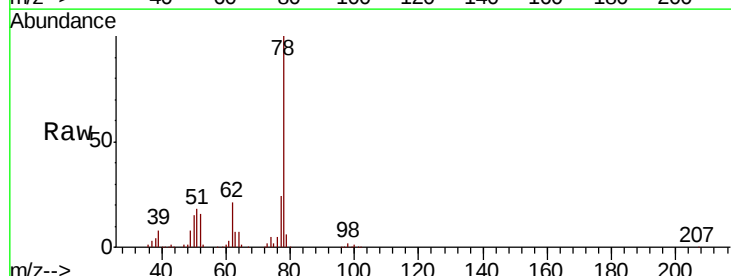


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

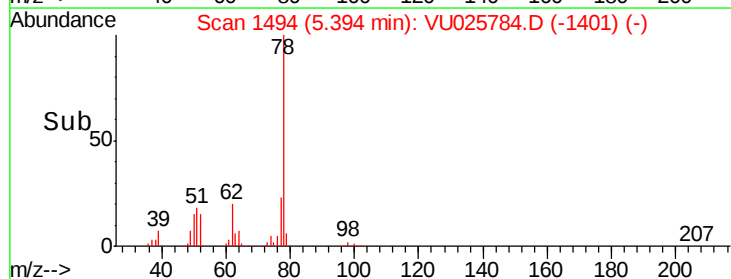
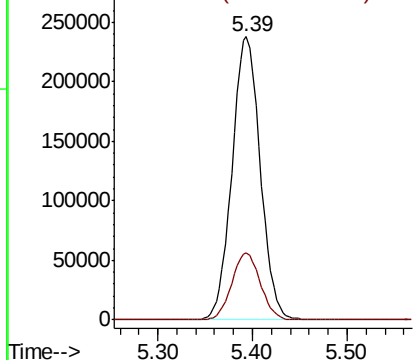


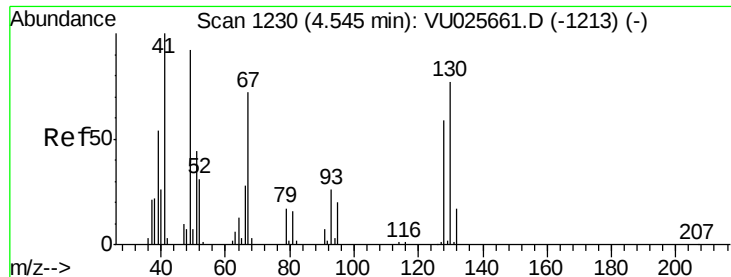
#40
Benzene
Concen: 49.91 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion: 78 Resp: 493808
Ion Ratio Lower Upper
78 100
77 23.5 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

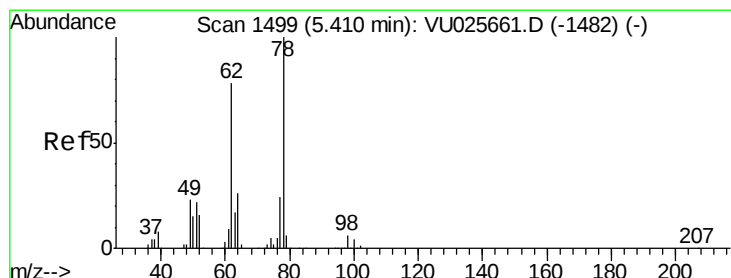
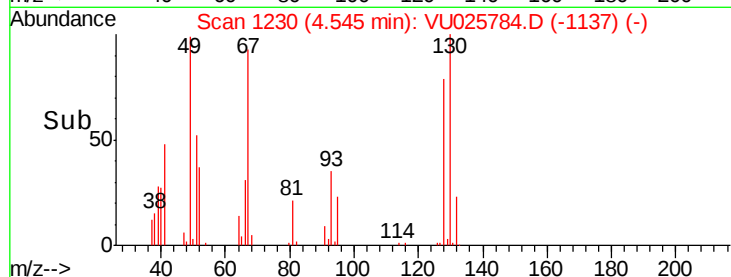
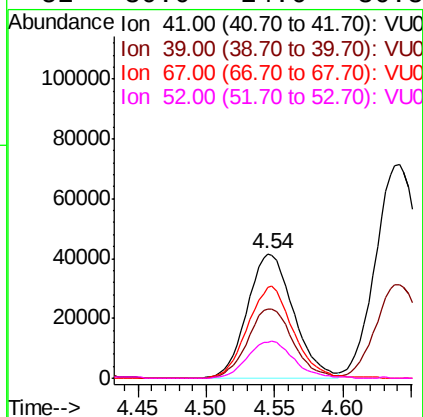
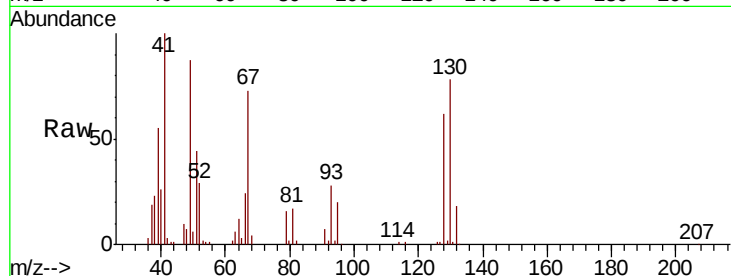




#41
Methacrylonitrile
Concen: 50.15 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

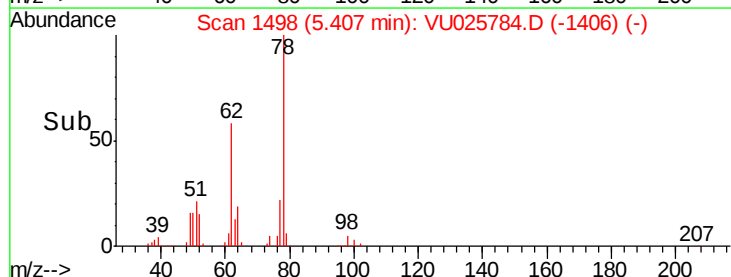
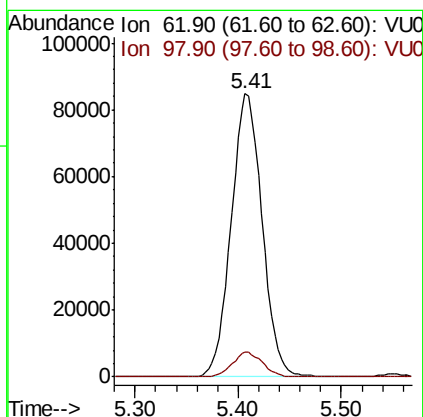
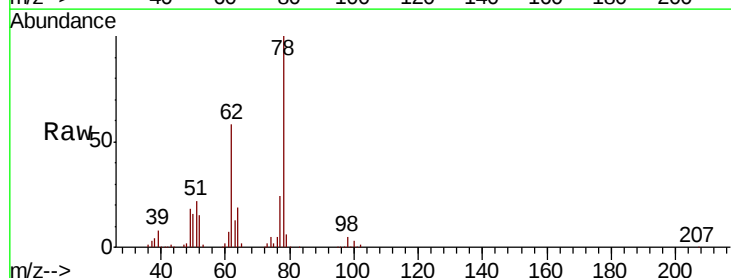
Instrument :
MSVOA_U
ClientSampleId :

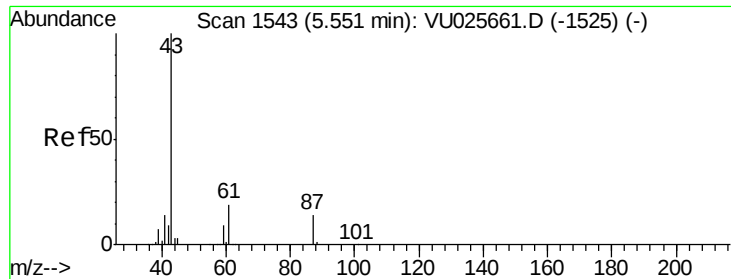
Tot Ion:	41	Resp:	97755
Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.4	66.6
67	72.4	56.0	84.0
52	30.0	24.6	36.8



#42
1,2-Dichloroethane
Concen: 46.57 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion:	62	Resp:	177416
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4

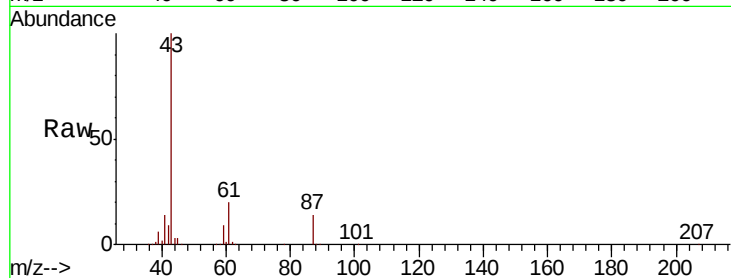




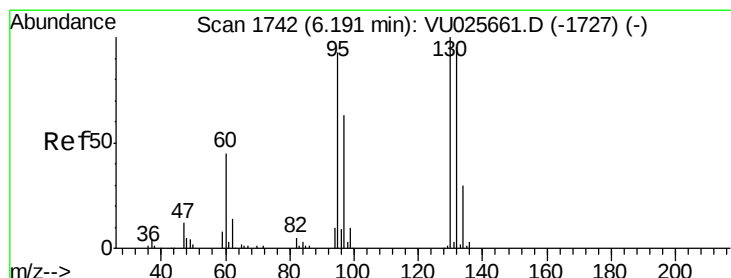
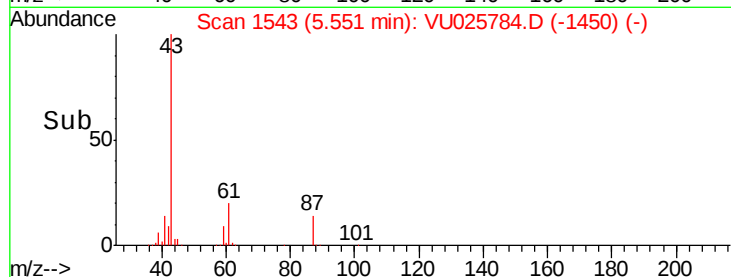
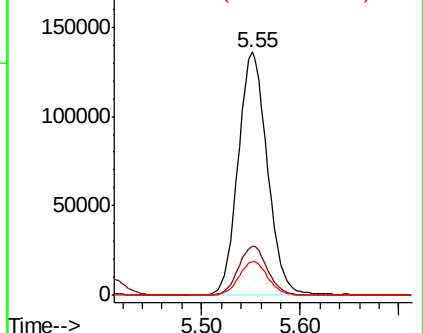
#43
Isopropyl Acetate
Concen: 47.91 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.5	23.3
87	13.7	10.6	16.0

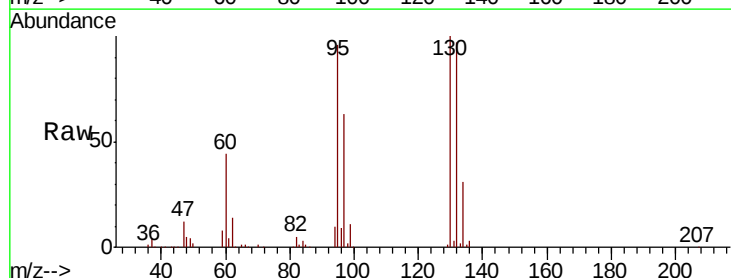


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

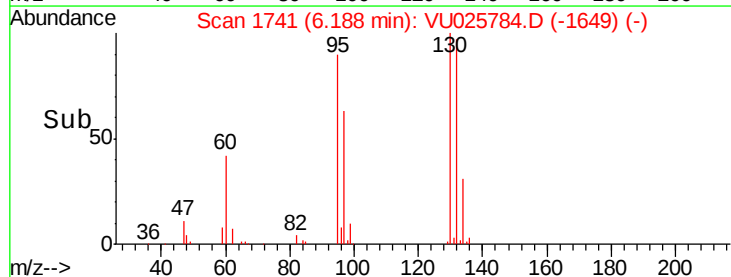
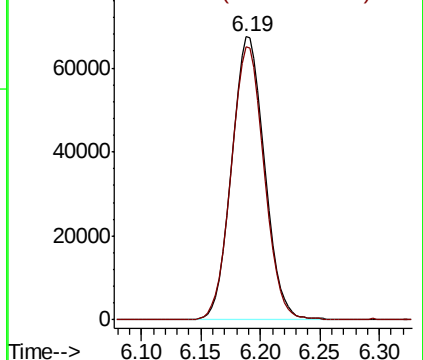


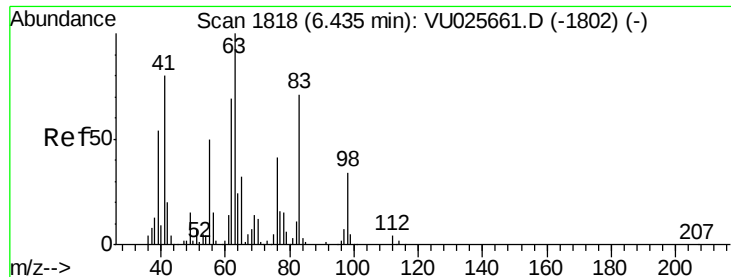
#44
Trichloroethene
Concen: 46.86 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	192.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0

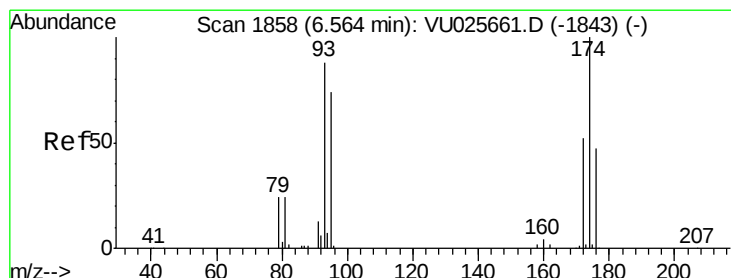
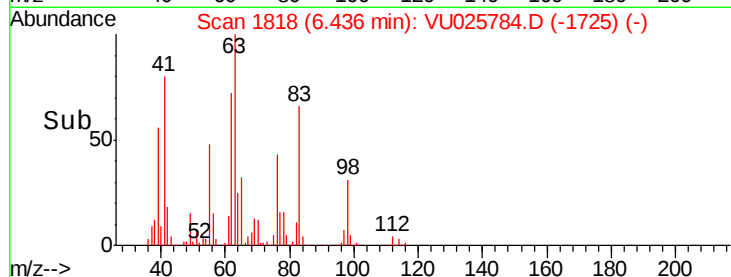
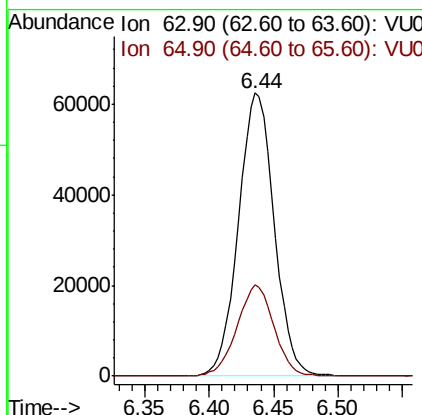
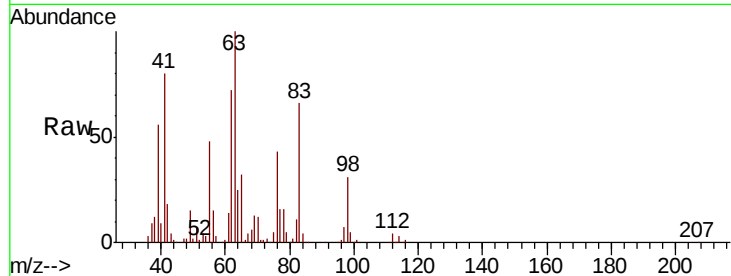




#45
 1,2-Dichloropropane
 Concen: 46.72 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

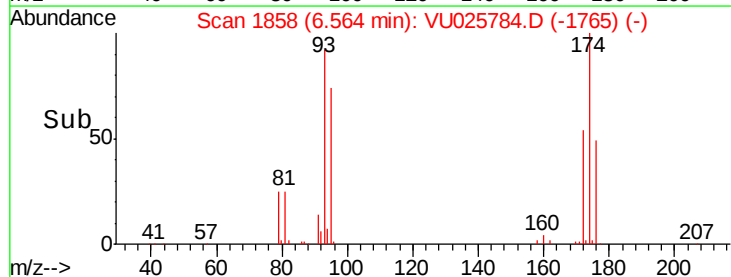
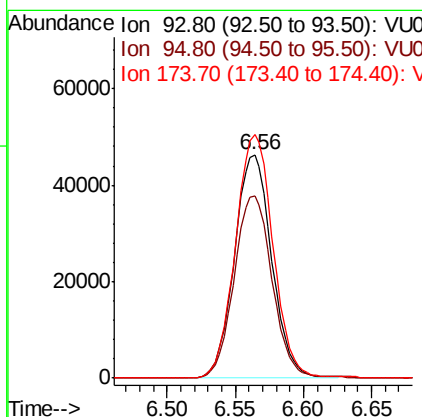
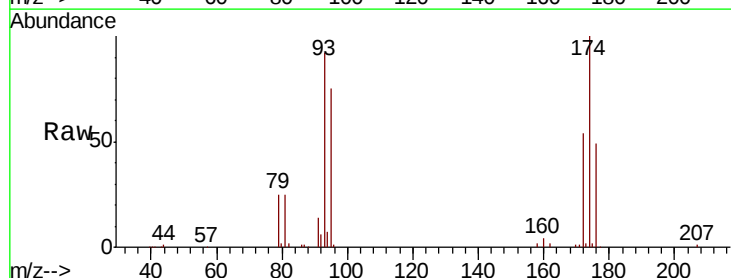
Instrument :
 MSVOA_U
 ClientSampleId :

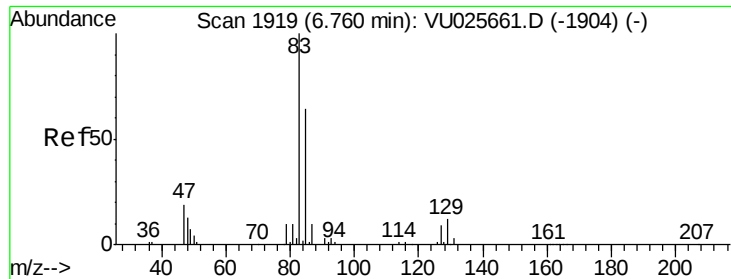
Tot Ion: 63 Resp: 120539
 Ion Ratio Lower Upper
 63 100
 65 32.2 26.1 39.1



#46
 Dibromomethane
 Concen: 47.04 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion: 93 Resp: 87949
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.6 100.0
 174 110.2 85.8 128.8





#47

Bromodichloromethane

Concen: 47.44 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampled :

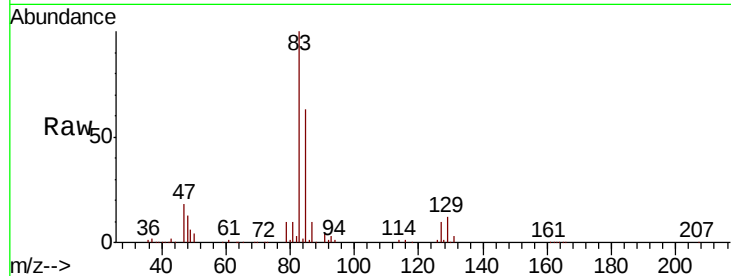
Tot Ion: 83 Resp: 169187

Ion Ratio Lower Upper

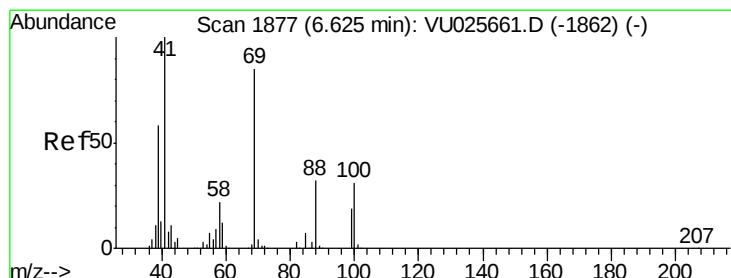
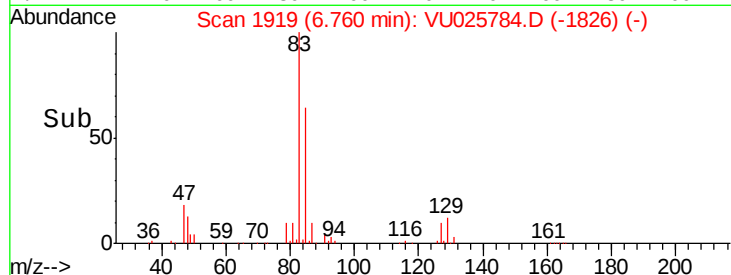
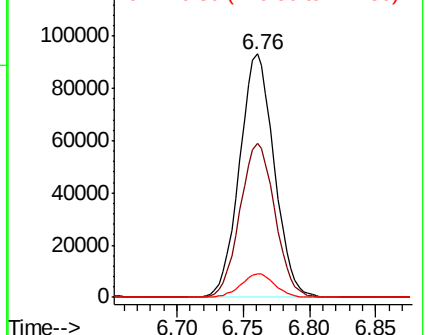
83 100

85 63.4 50.2 75.4

127 9.8 7.2 10.8



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



#48

Methyl methacrylate

Concen: 50.90 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

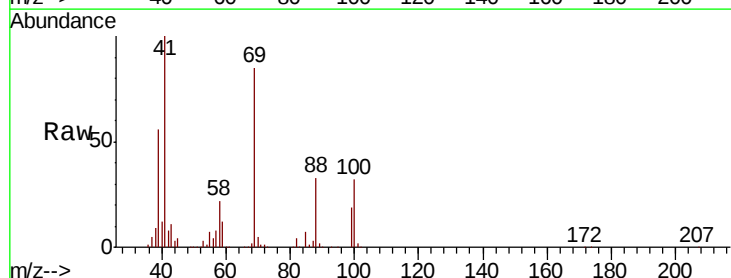
Tgt Ion: 41 Resp: 144684

Ion Ratio Lower Upper

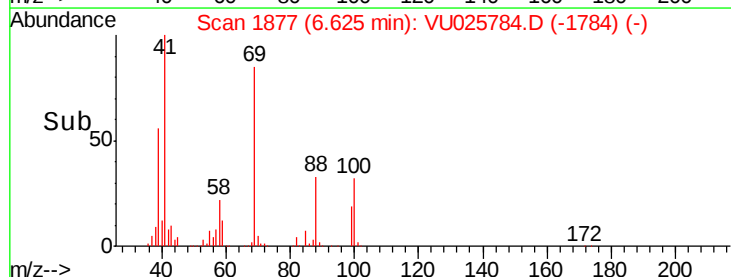
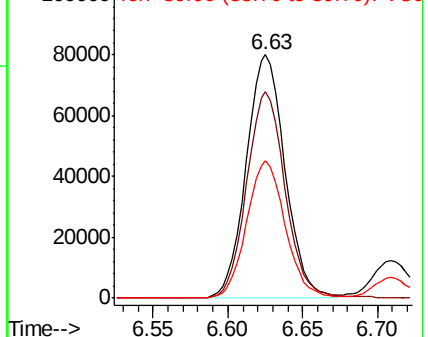
41 100

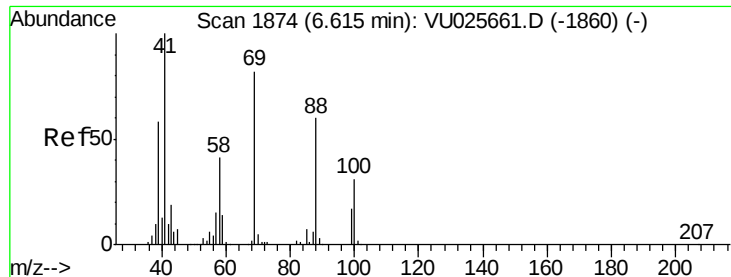
69 84.2 65.0 97.4

39 55.7 46.4 69.6



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

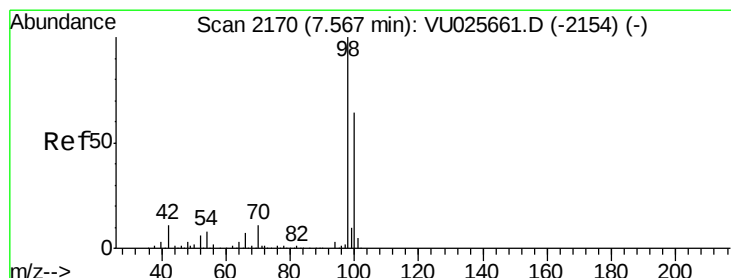
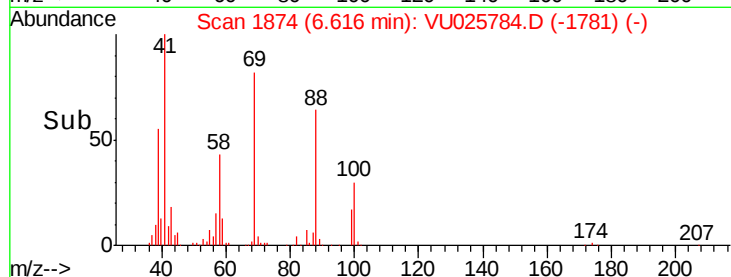
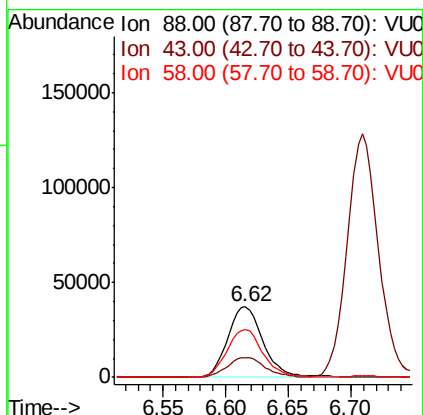
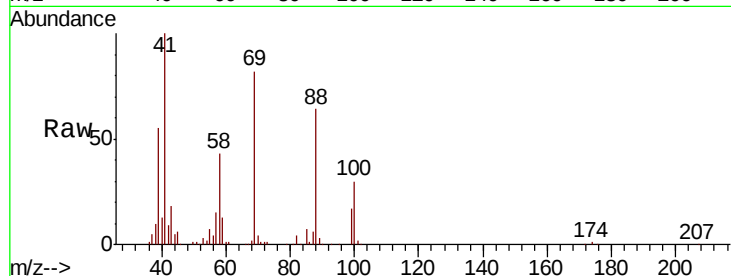




#49
1,4-Dioxane
Concen: 1041.44 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

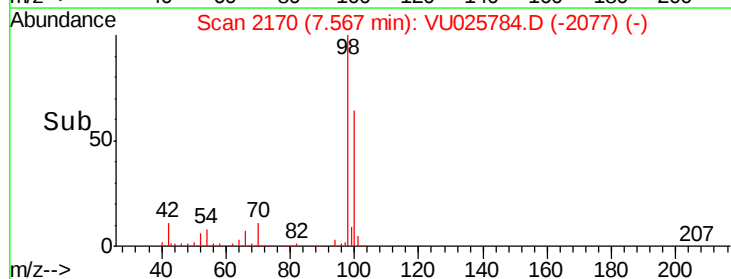
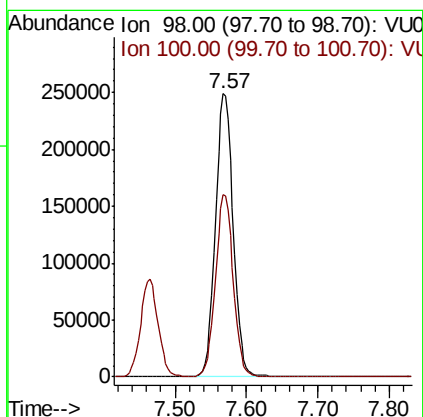
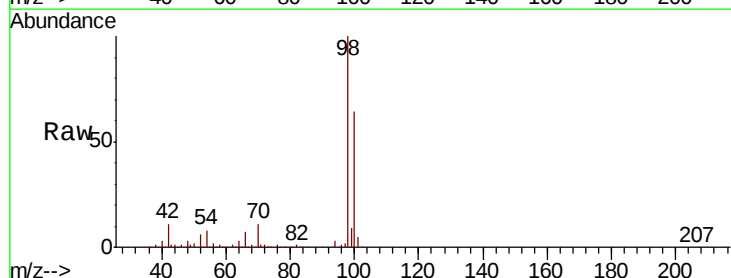
Instrument :
MSVOA_U
ClientSampleId :

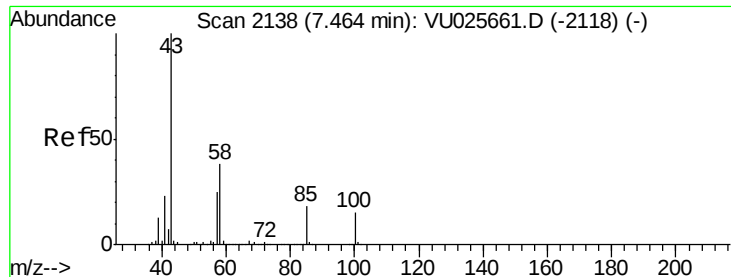
Tot Ion: 88 Resp: 72036
Ion Ratio Lower Upper
88 100
43 30.0 27.3 40.9
58 69.8 57.6 86.4



#50
Toluene-d8
Concen: 48.67 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion: 98 Resp: 429046
Ion Ratio Lower Upper
98 100
100 63.4 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 255.54 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

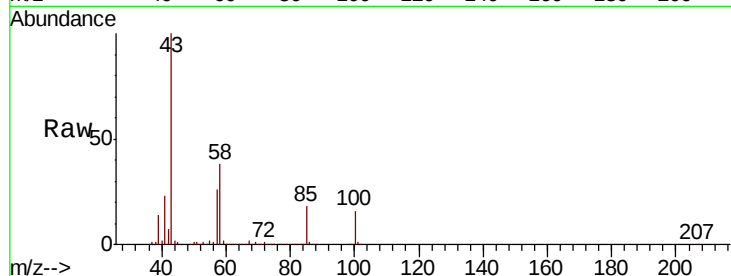
ClientSampleId :

Tot Ion: 43 Resp: 927831

Ion Ratio Lower Upper

43 100

58 38.7 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-2118) (-)

Ion 58.00 (57.70 to 58.70): VU025661.D (-2118) (-)

7.46

600000

500000

400000

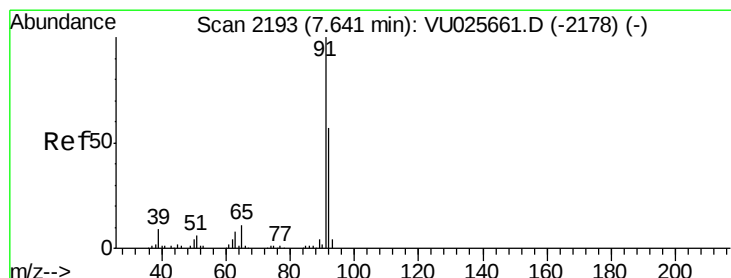
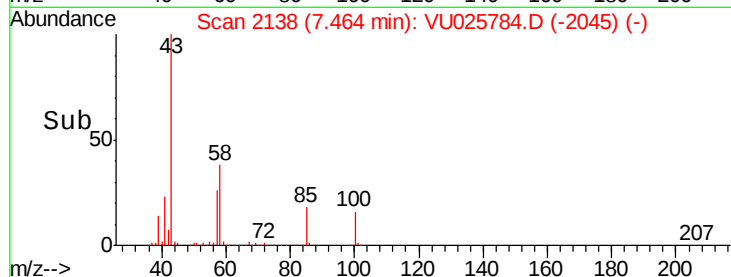
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.44 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025784.D

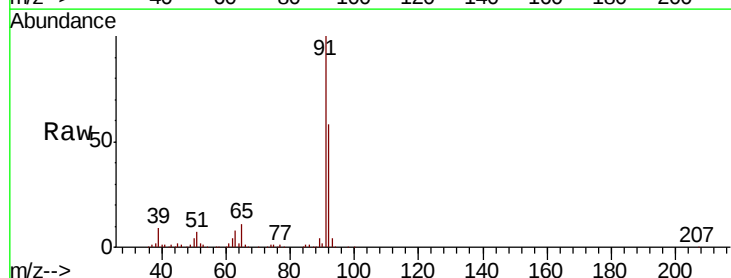
Acq: 01 Aug 2018 18:16

Tgt Ion: 92 Resp: 297705

Ion Ratio Lower Upper

92 100

91 173.5 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU025661.D (-2178) (-)

Ion 91.00 (90.70 to 91.70): VU025661.D (-2178) (-)

7.64

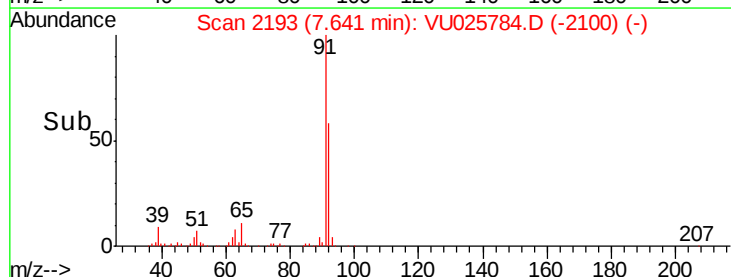
300000

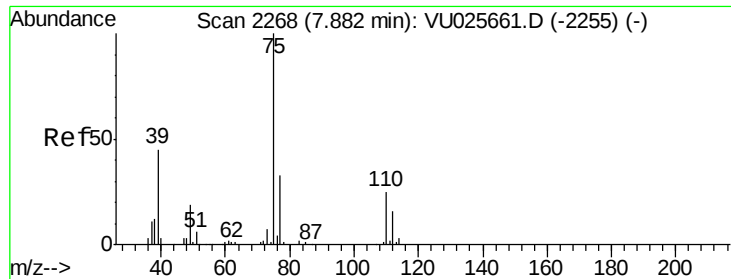
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.42 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

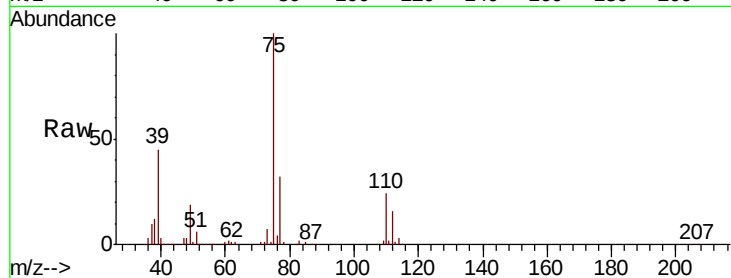
ClientSampleId :

Tot Ion: 75 Resp: 193910

Ion Ratio Lower Upper

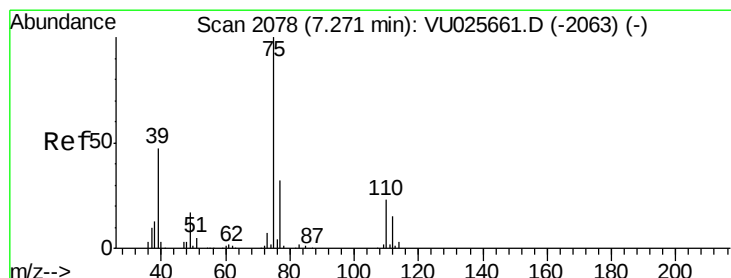
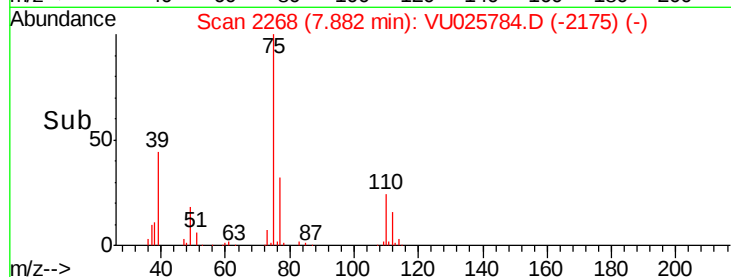
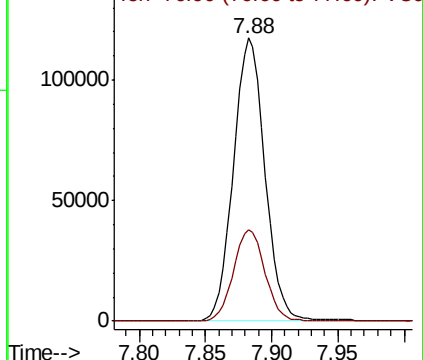
75 100

77 32.3 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 48.36 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

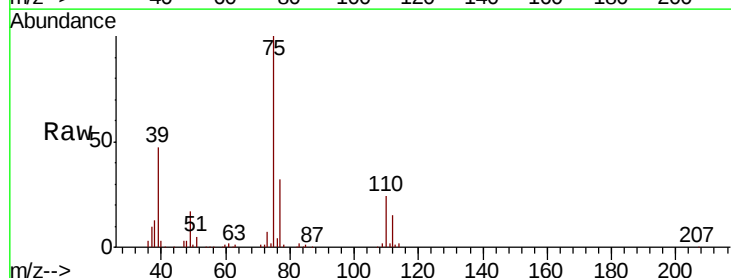
Tgt Ion: 75 Resp: 198940

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

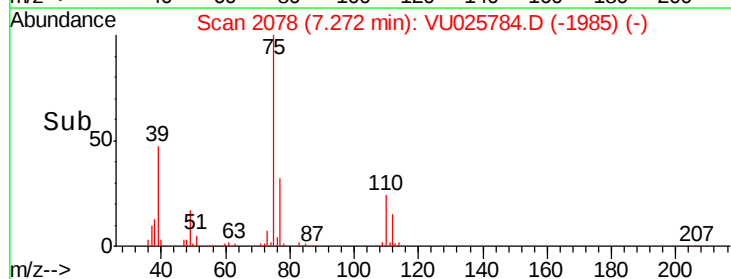
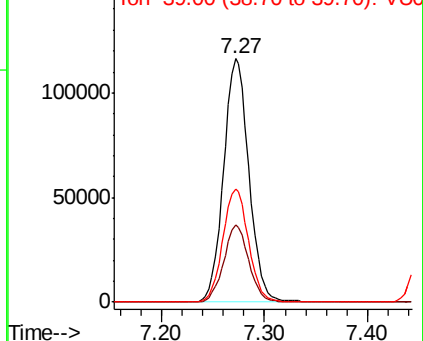
39 46.5 40.0 60.0

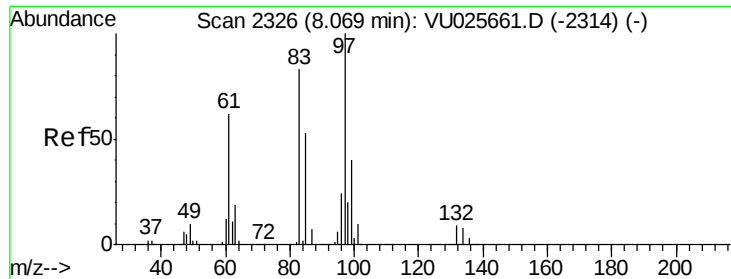


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

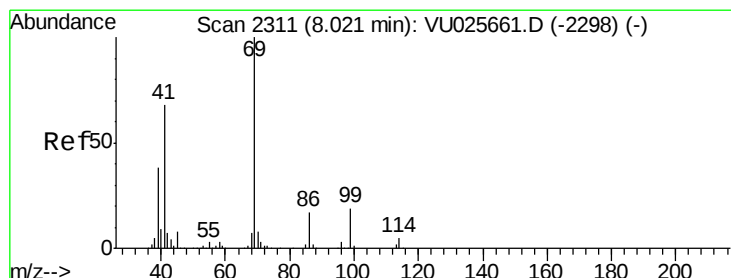
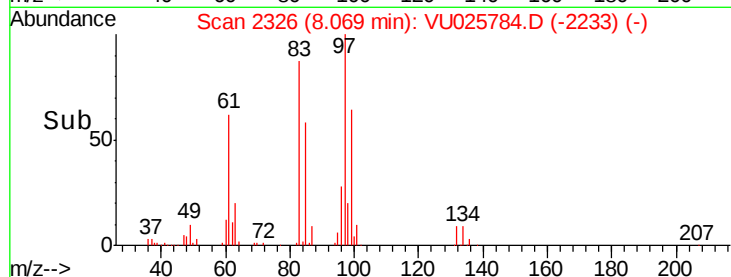
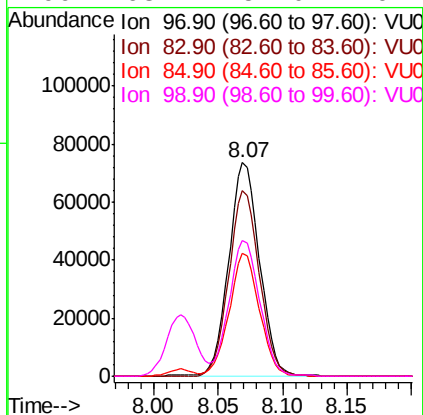
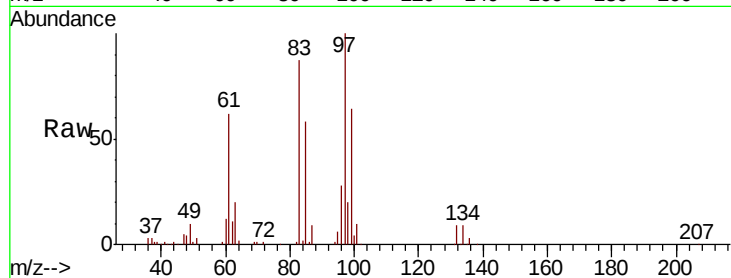




#55
 1,1,2-Trichloroethane
 Concen: 47.46 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

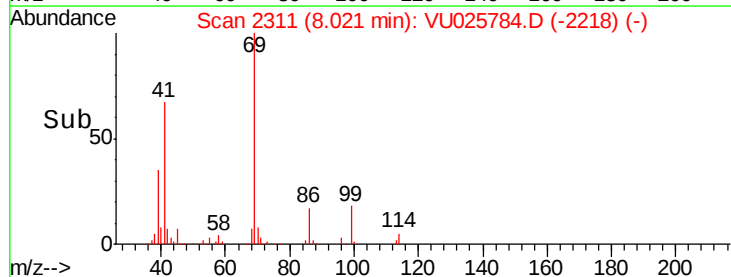
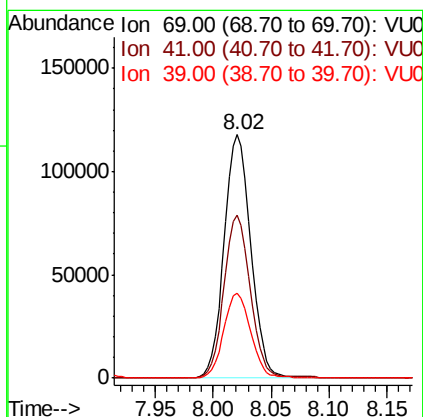
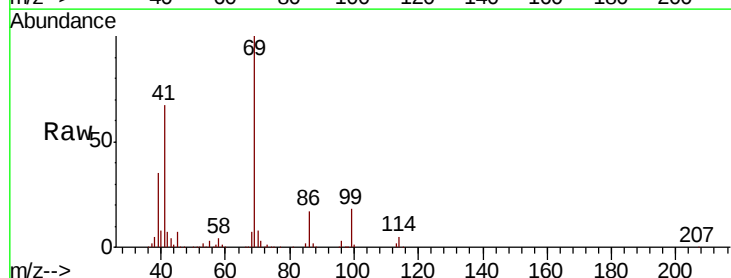
Instrument :
 MSVOA_U
 ClientSampleId :

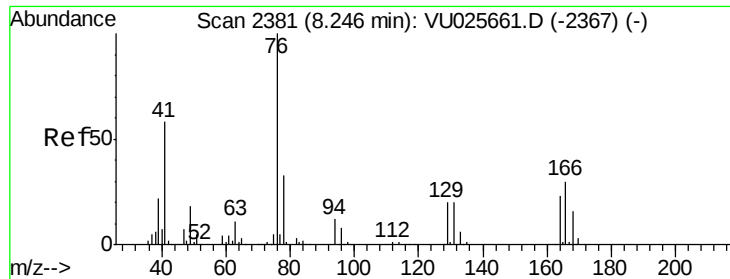
Tot Ion:	97	Resp:	121231
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.9	103.3
85	57.7	44.4	66.6
99	63.7	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 51.40 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion:	69	Resp:	187585
Ion	Ratio	Lower	Upper
69	100		
41	66.1	54.8	82.2
39	35.4	31.1	46.7





#57

1,3-Dichloropropane

Concen: 47.85 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

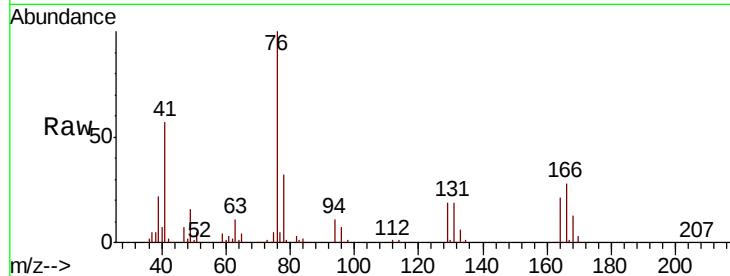
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 76 Resp: 205545

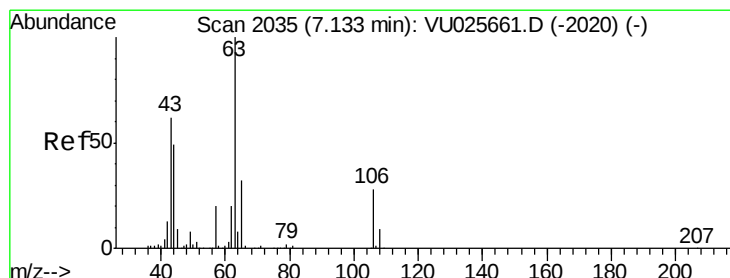
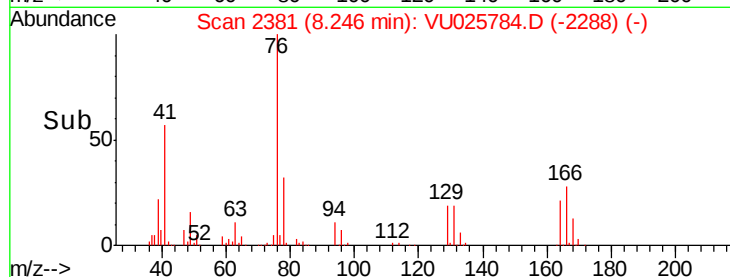
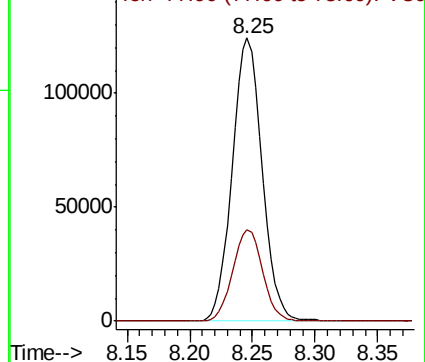
Ion Ratio Lower Upper

76 100

78 32.4 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 7.11 ug/l

RT: 7.09 min Scan# 2023

Delta R.T. -0.04 min

Lab File: VU025784.D

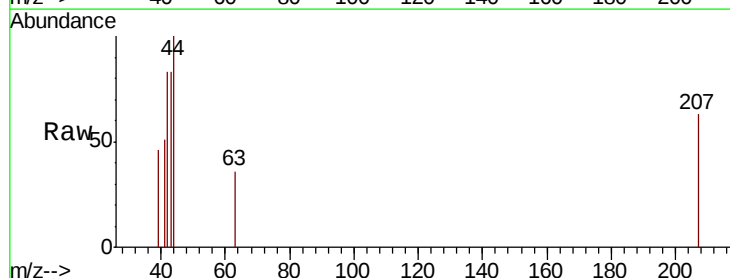
Acq: 01 Aug 2018 18:16

Tgt Ion: 63 Resp: 49

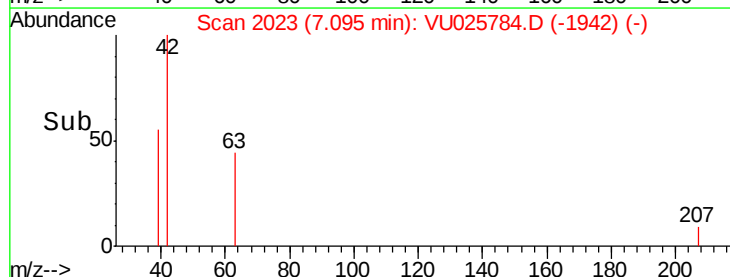
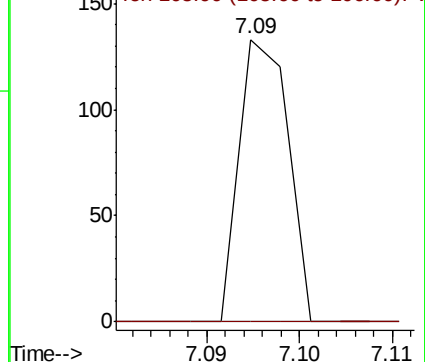
Ion Ratio Lower Upper

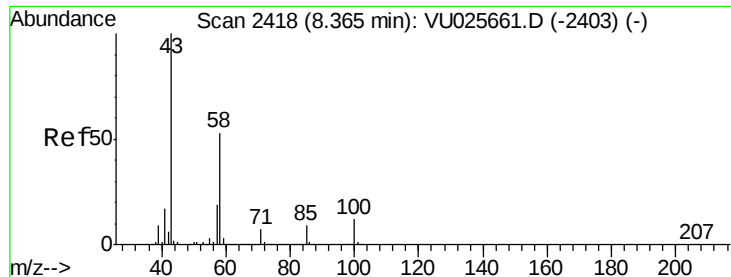
63 100

106 0.0 22.3 33.5#



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 105.90 (105.60 to 106.60): V

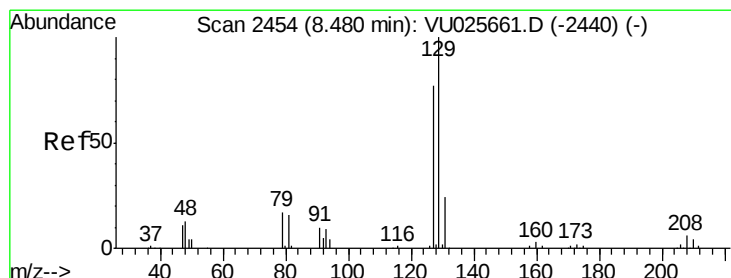
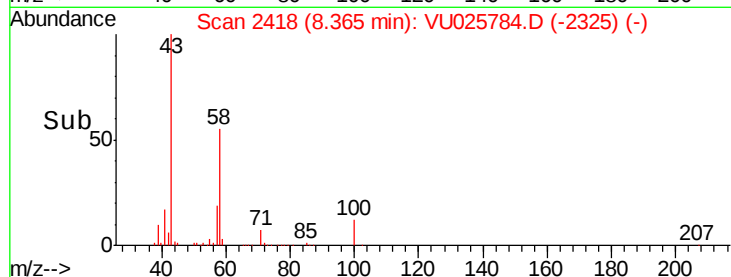
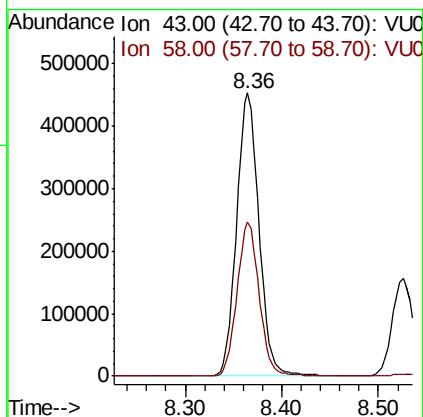
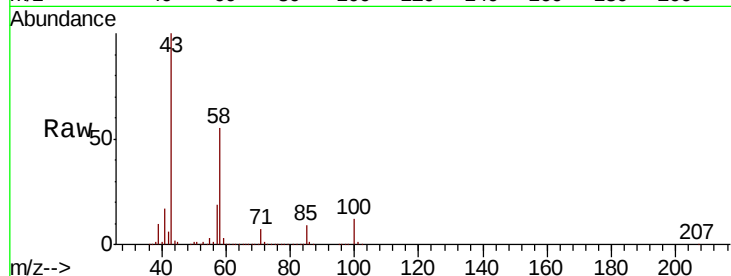




#59
2-Hexanone
Concen: 256.16 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

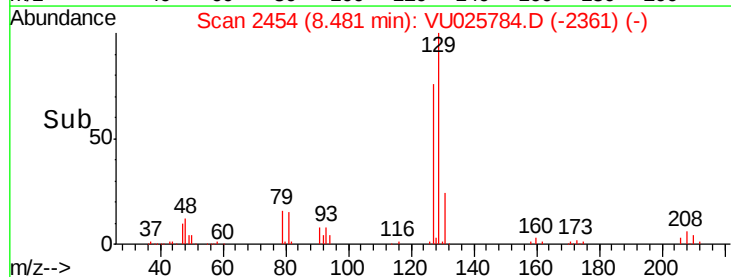
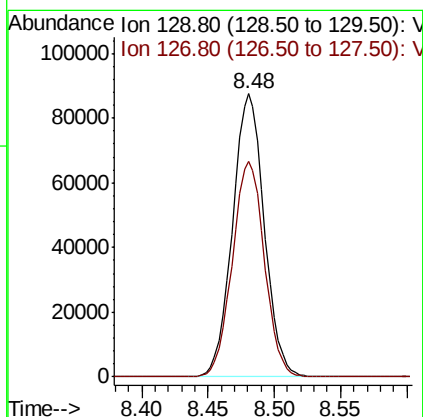
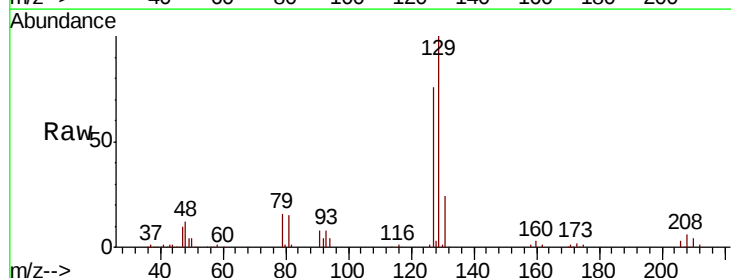
Instrument :
MSVOA_U
ClientSampled :

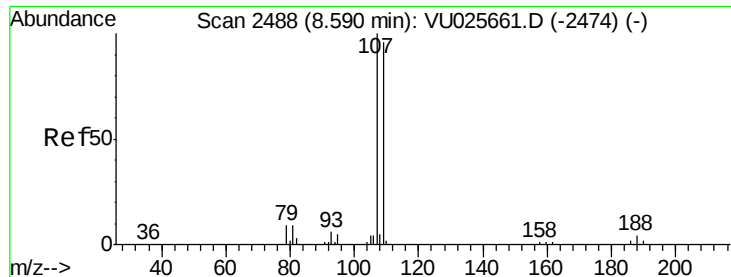
Tot Ion: 43 Resp: 729068
Ion Ratio Lower Upper
43 100
58 54.2 26.2 78.5



#60
Dibromochloromethane
Concen: 48.19 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion: 129 Resp: 145152
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8

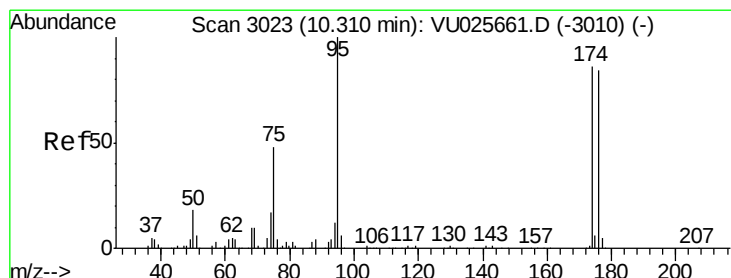
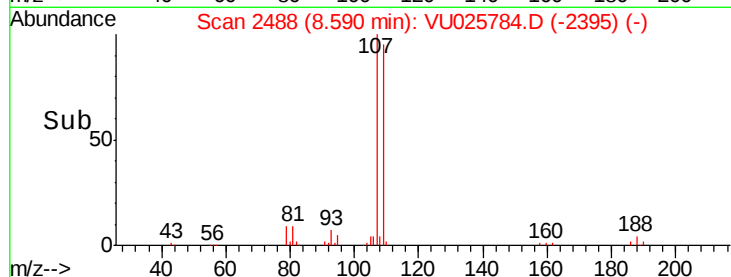
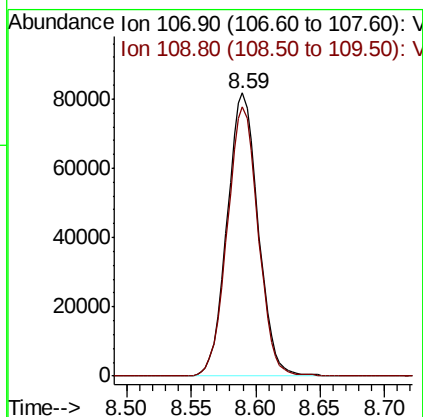
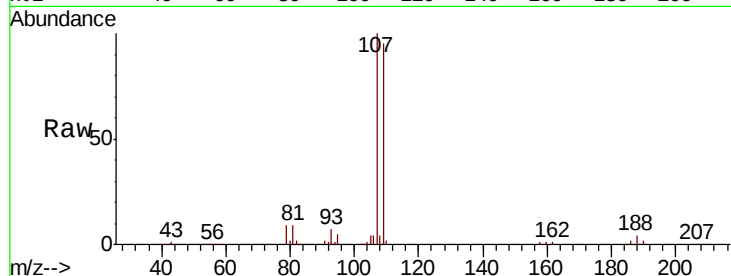




#61
 1,2-Dibromoethane
 Concen: 48.15 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

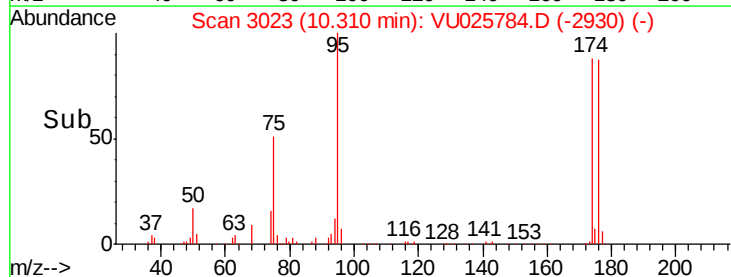
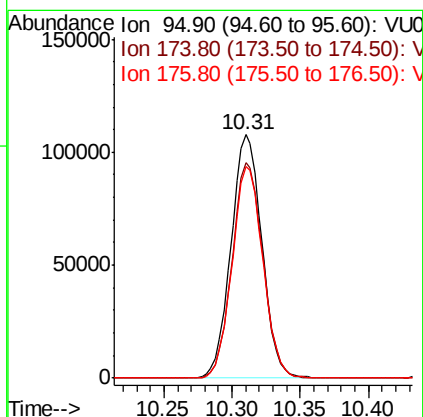
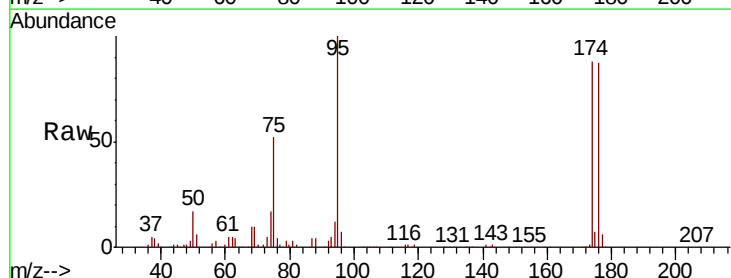
Instrument :
 MSVOA_U
 ClientSampleId :

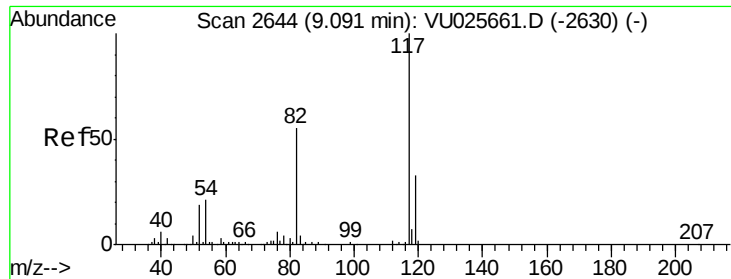
Tot Ion:107 Resp: 136779
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 49.44 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion: 95 Resp: 169153
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 172.2
 176 86.6 0.0 162.6

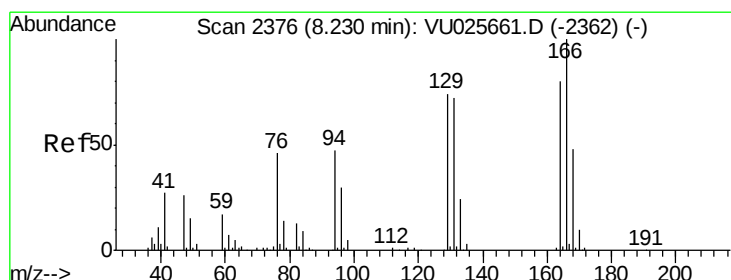
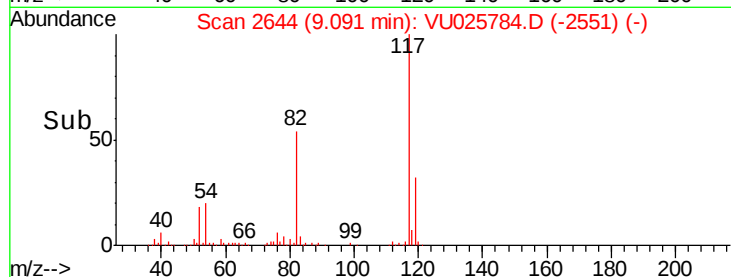
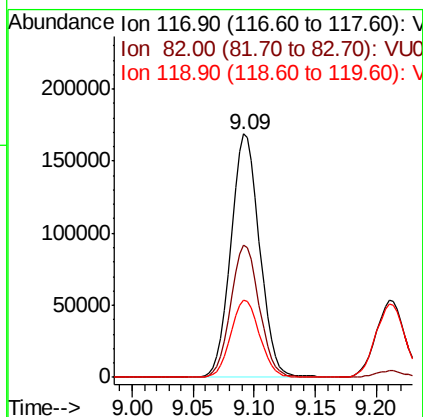
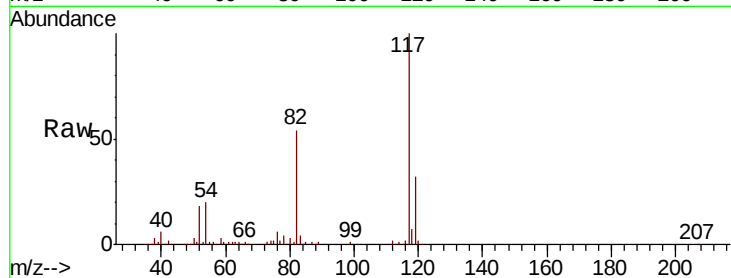




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

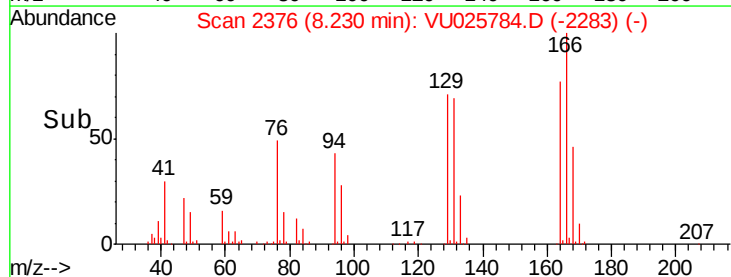
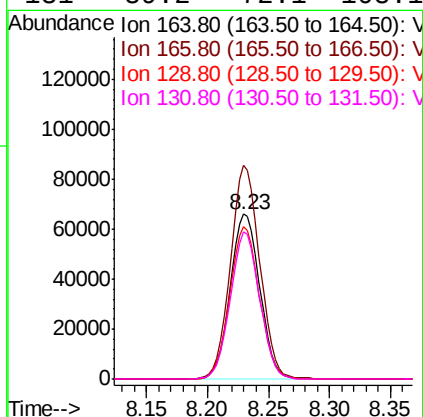
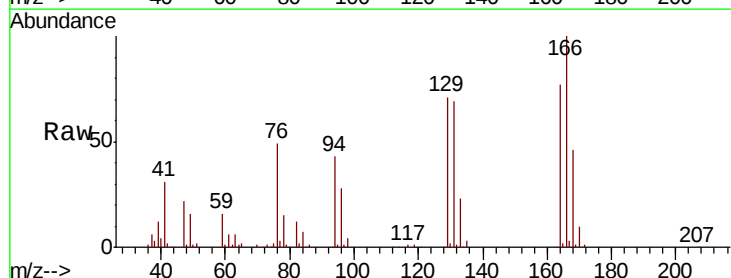
Instrument :
MSVOA_U
ClientSampleId :

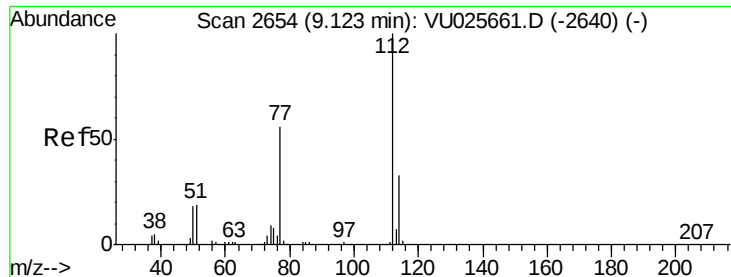
Tot Ion:117 Resp: 277911
Ion Ratio Lower Upper
117 100
82 54.3 46.0 69.0
119 31.7 26.0 39.0



#64
Tetrachloroethene
Concen: 45.75 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion:164 Resp: 111909
Ion Ratio Lower Upper
164 100
166 129.6 101.1 151.7
129 92.4 73.0 109.6
131 89.2 72.1 108.1

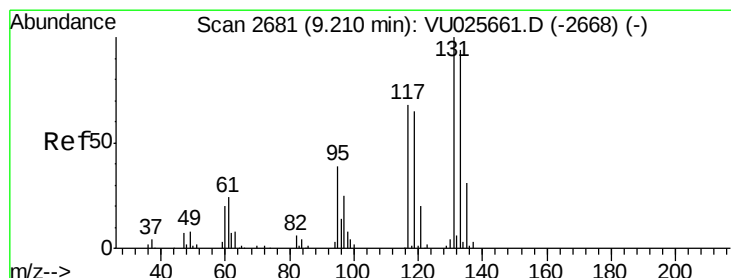
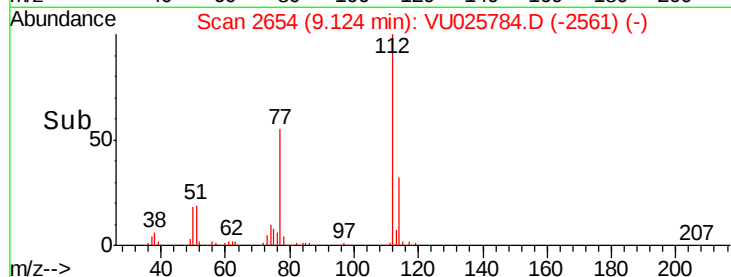
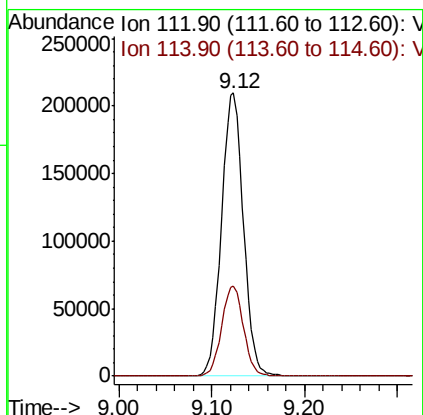
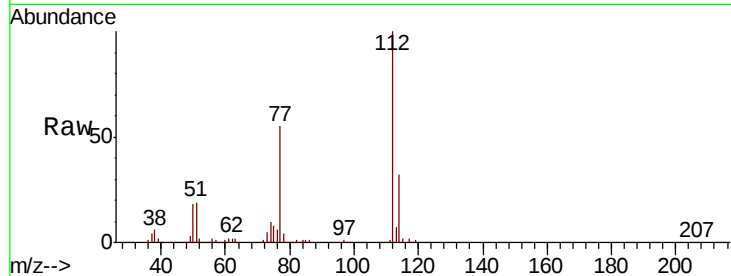




#65
Chlorobenzene
Concen: 47.99 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

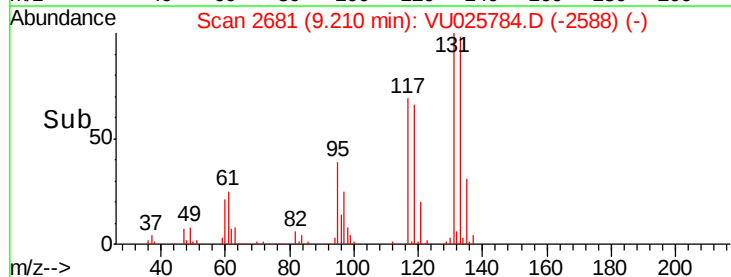
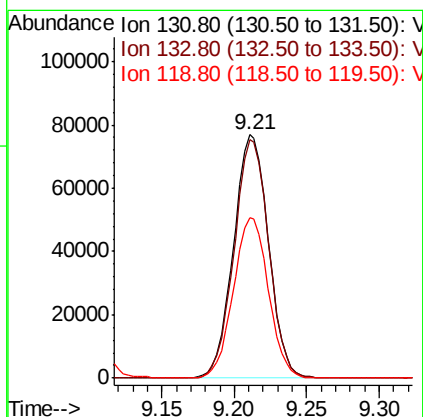
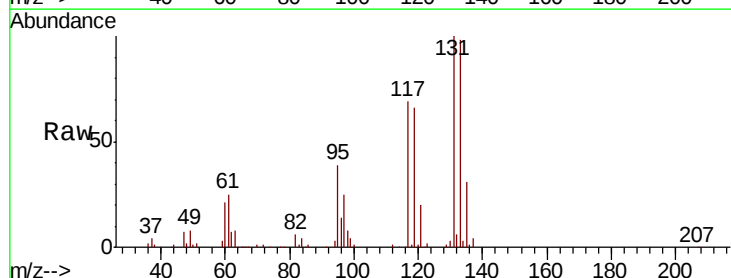
Instrument :
MSVOA_U
ClientSampleId :

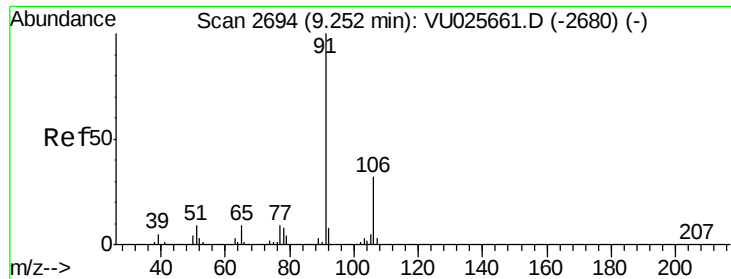
Tot Ion:112 Resp: 343847
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.58 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion:131 Resp: 128510
Ion Ratio Lower Upper
131 100
133 97.1 47.8 143.3
119 65.7 31.6 95.0

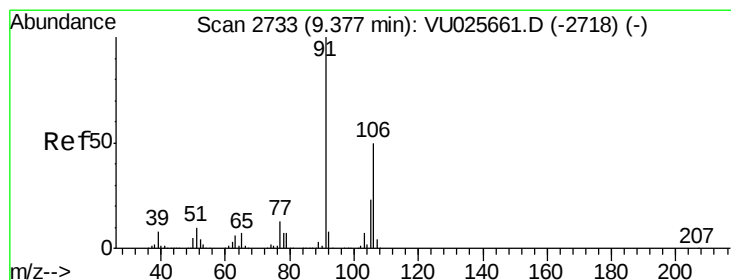
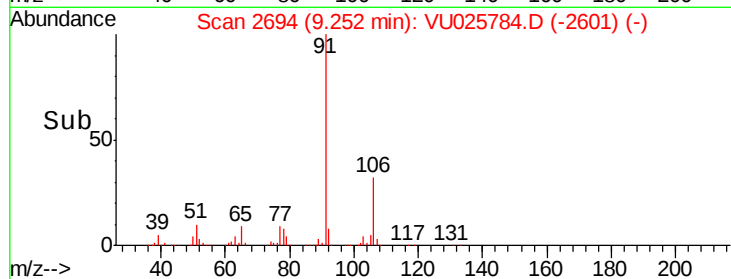
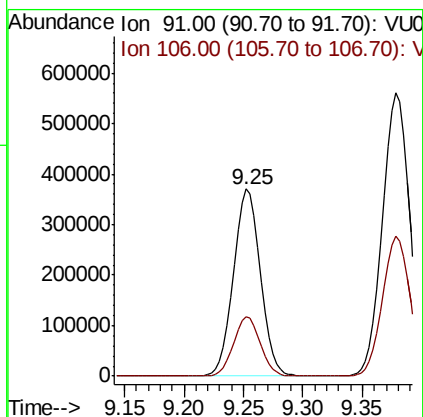
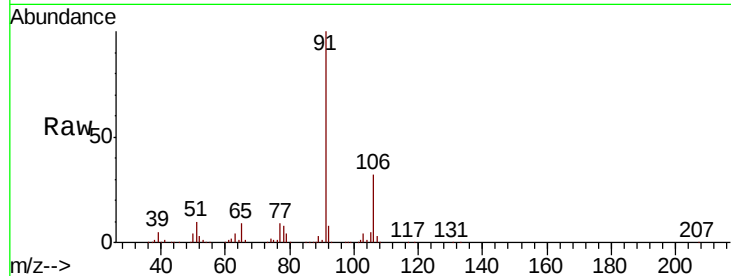




#67
Ethyl Benzene
Concen: 49.01 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

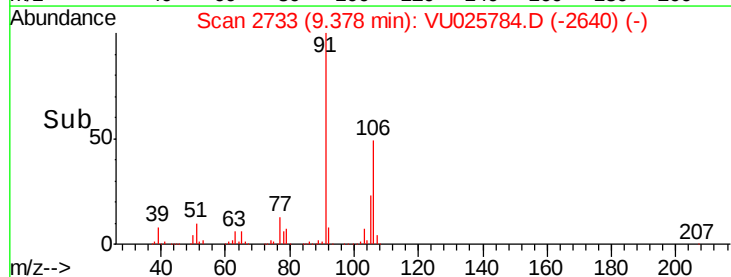
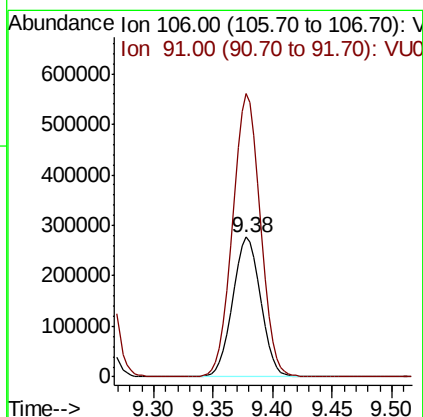
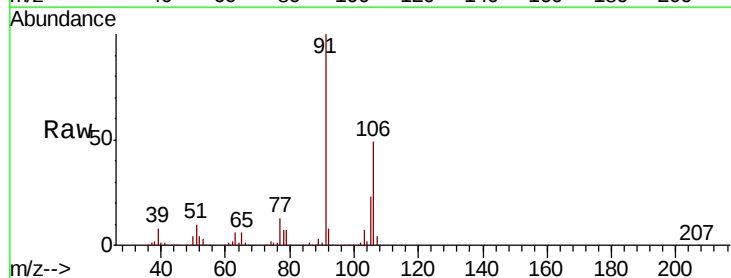
Instrument :
MSVOA_U
ClientSampleId :

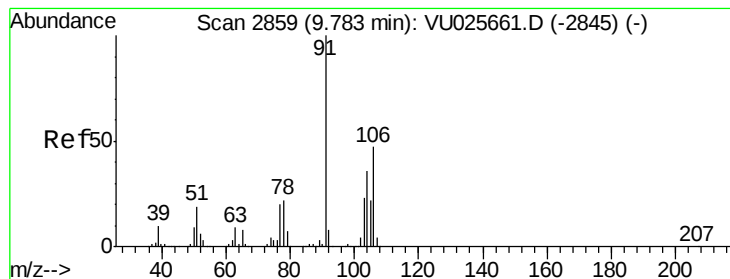
Tot Ion: 91 Resp: 581725
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9



#68
m/p-Xylenes
Concen: 98.98 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion: 106 Resp: 451036
Ion Ratio Lower Upper
106 100
91 201.5 162.3 243.5





#69

o-Xylene

Concen: 50.18 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

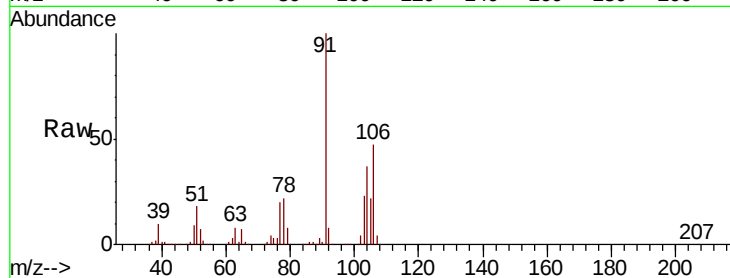
ClientSampled :

Tot Ion:106 Resp: 223484

Ion Ratio Lower Upper

106 100

91 210.9 105.3 315.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

300000

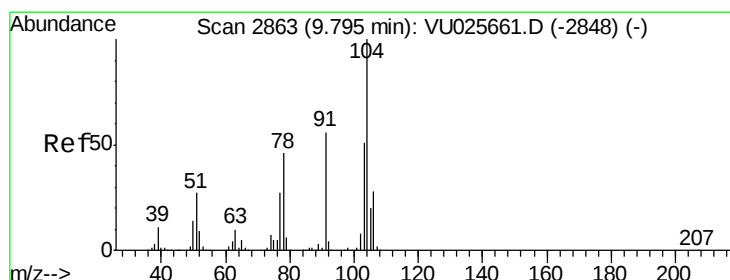
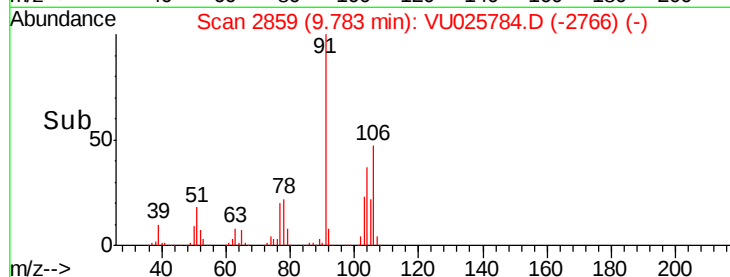
200000

100000

0

9.70 9.75 9.80 9.85

Time-->



#70

Styrene

Concen: 50.24 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

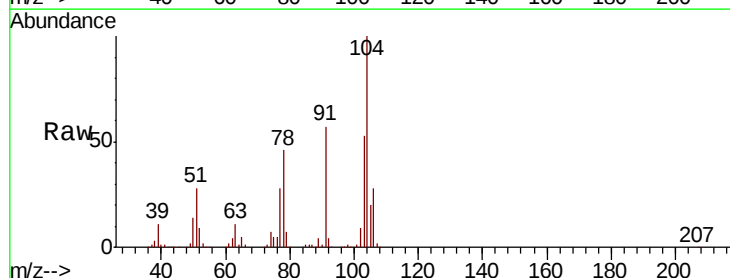
Tgt Ion:104 Resp: 361402

Ion Ratio Lower Upper

104 100

78 49.4 41.6 62.4

103 55.8 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

300000

250000

200000

150000

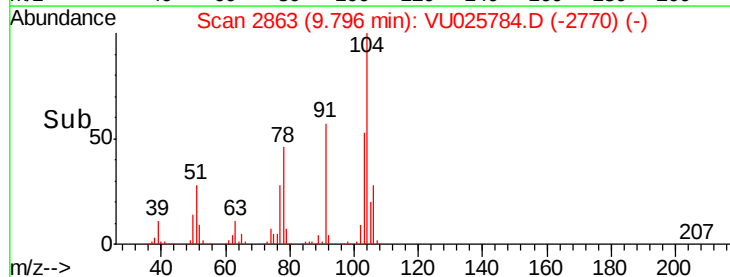
100000

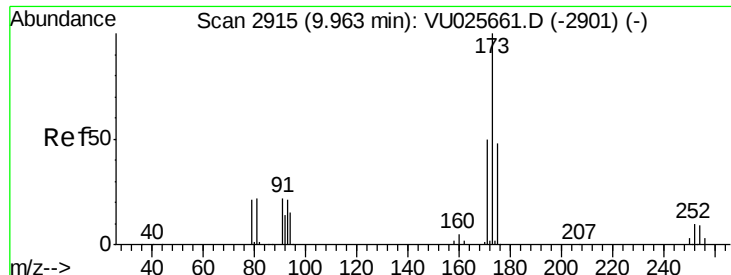
50000

0

9.70 9.80 9.90

Time-->





#71

Bromoform

Concen: 51.55 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :

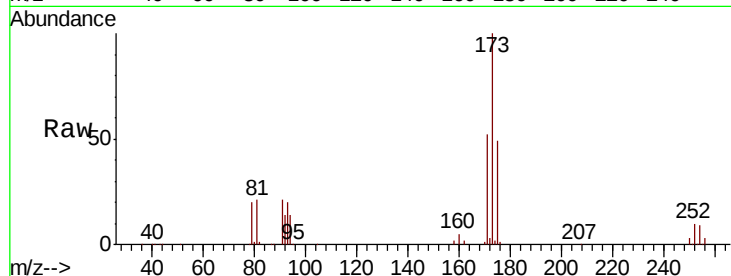
Tot Ion:173 Resp: 115850

Ion Ratio Lower Upper

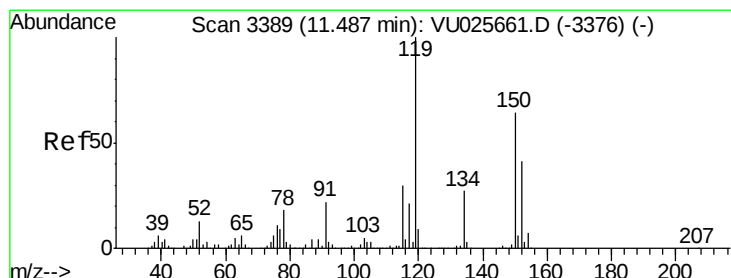
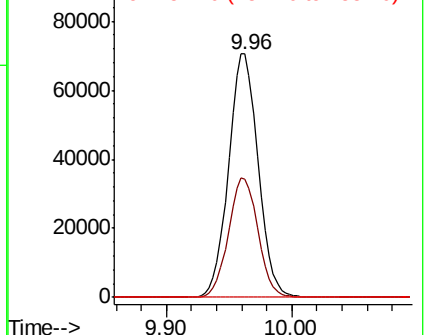
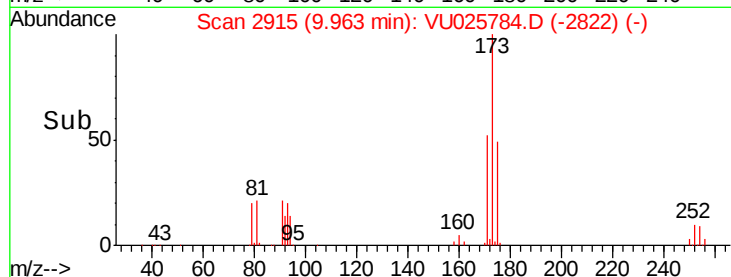
173 100

175 48.8 24.0 72.0

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

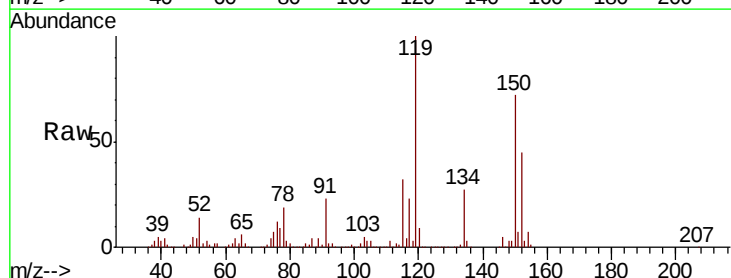
Tgt Ion:152 Resp: 175232

Ion Ratio Lower Upper

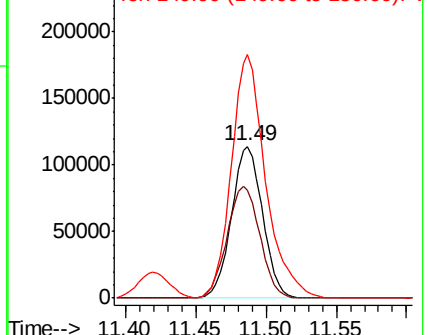
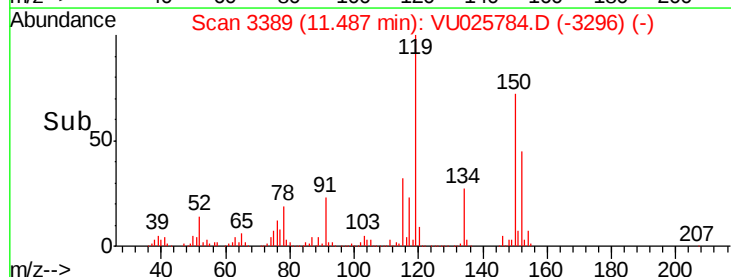
152 100

115 78.4 40.1 120.3

150 176.7 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: 49.55 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

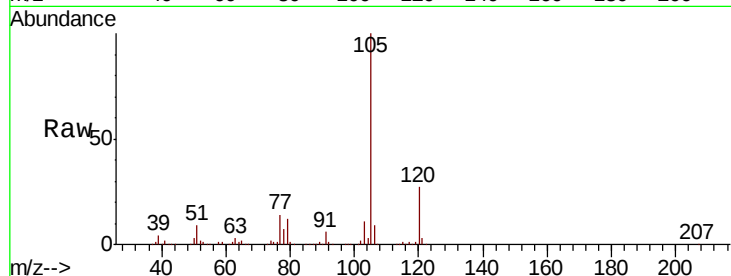
ClientSampleId :

Tot Ion:105 Resp: 592642

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

400000

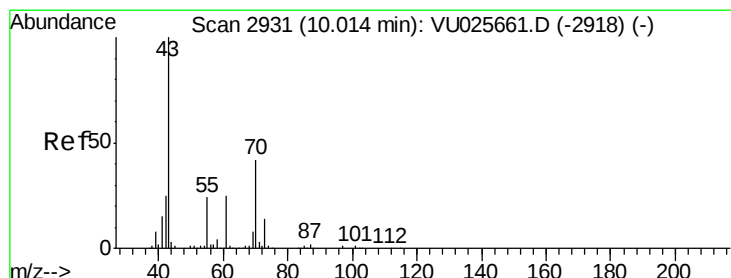
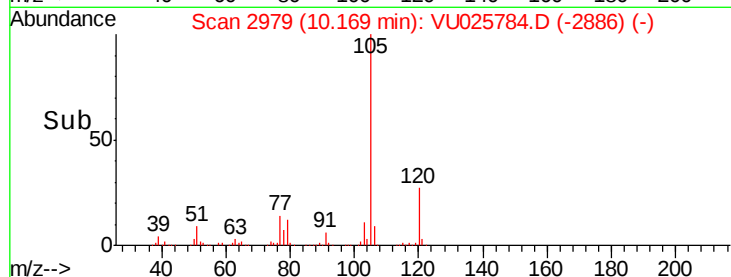
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 50.35 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Tgt Ion: 43 Resp: 245847

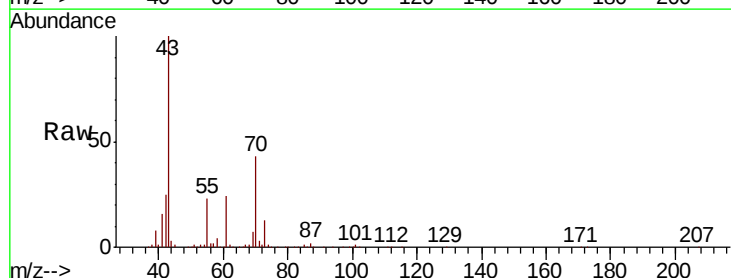
Ion Ratio Lower Upper

43 100

70 42.8 33.4 50.2

55 23.5 19.0 28.6

61 24.1 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

250000

200000

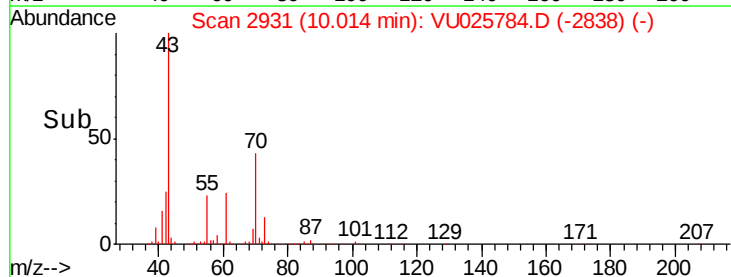
150000

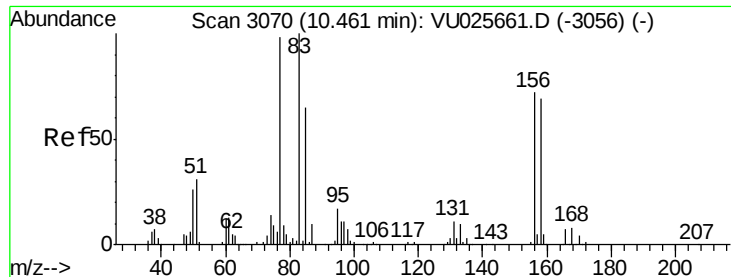
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.66 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

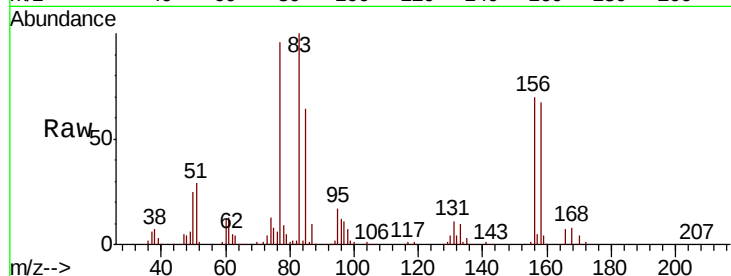
Tot Ion: 83 Resp: 201252

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

85 65.4 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU025661.D (-3056) (-)

Ion 130.80 (130.50 to 131.50): VU025661.D (-3056) (-)

Ion 84.90 (84.60 to 85.60): VU025661.D (-3056) (-)

10.46

150000

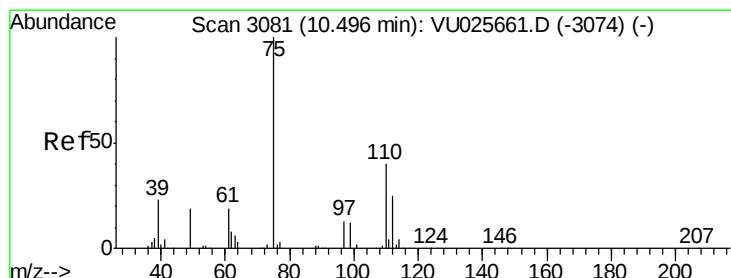
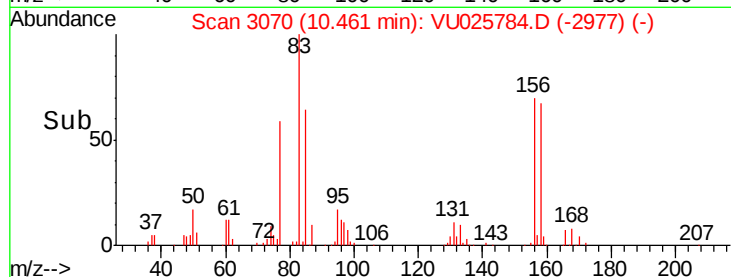
100000

50000

0

10.40 10.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 59.65 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025784.D

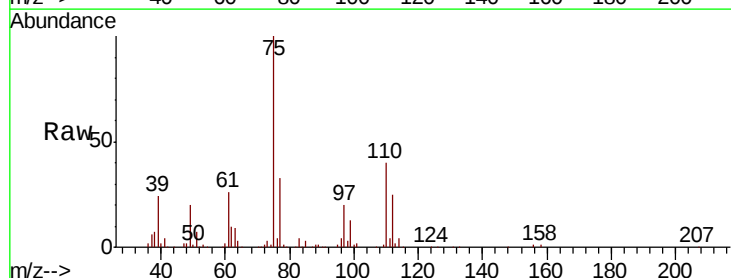
Acq: 01 Aug 2018 18:16

Tgt Ion: 75 Resp: 230292

Ion Ratio Lower Upper

75 100

77 31.4 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025661.D (-3074) (-)

Ion 77.00 (76.70 to 77.70): VU025661.D (-3074) (-)

150000

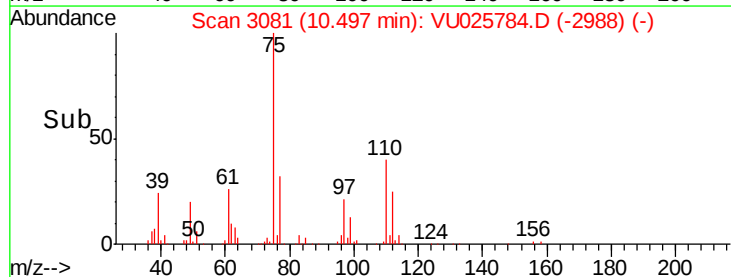
100000

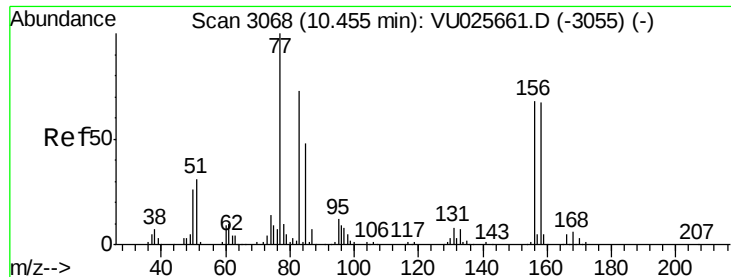
50000

0

10.45 10.50 10.55

Time-->





#77

Bromobenzene

Concen: 48.78 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

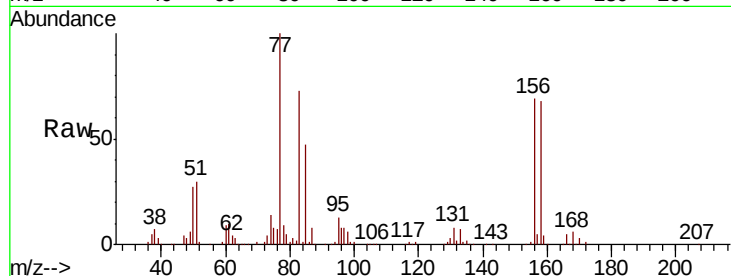
Tot Ion:156 Resp: 160914

Ion Ratio Lower Upper

156 100

77 143.9 73.8 221.4

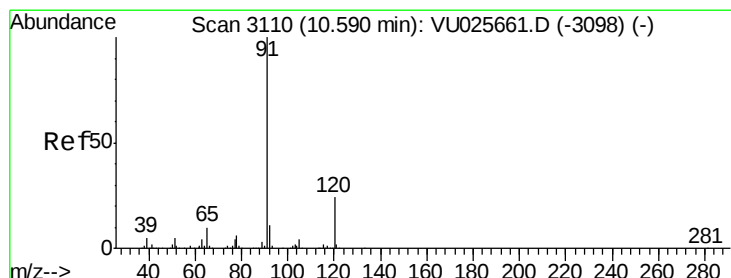
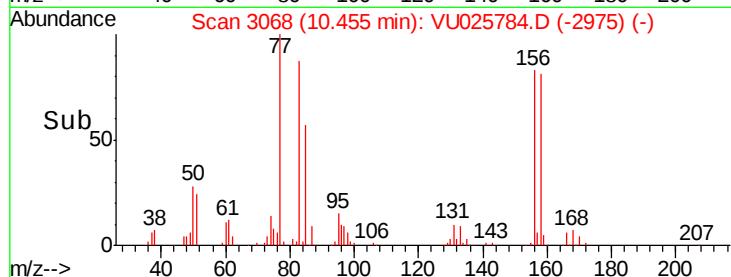
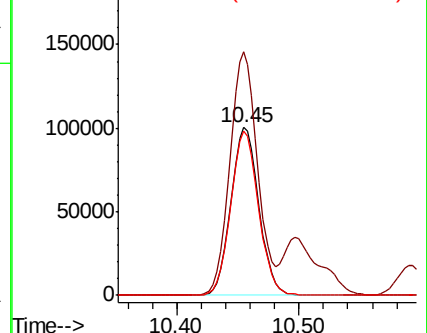
158 97.3 48.0 144.0



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: 48.73 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025784.D

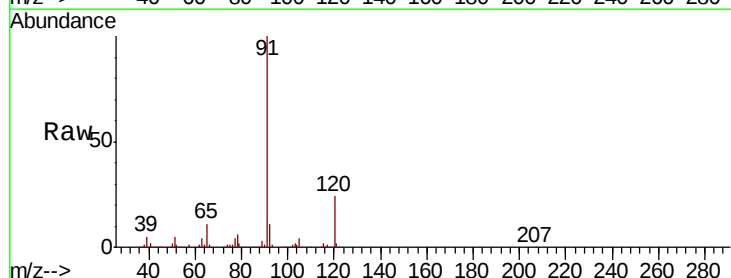
Acq: 01 Aug 2018 18:16

Tgt Ion: 91 Resp: 680264

Ion Ratio Lower Upper

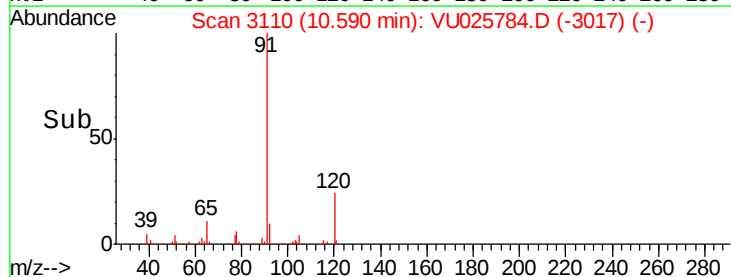
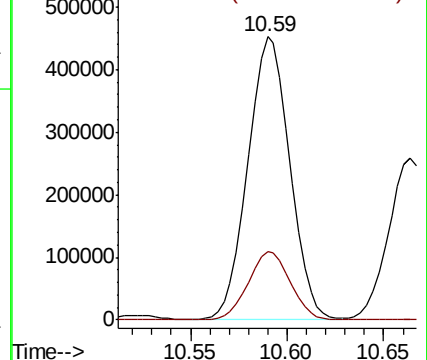
91 100

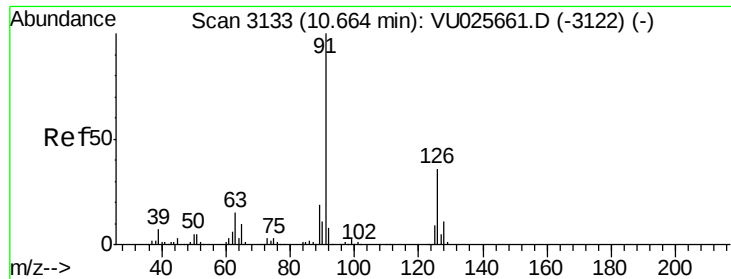
120 24.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.79 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

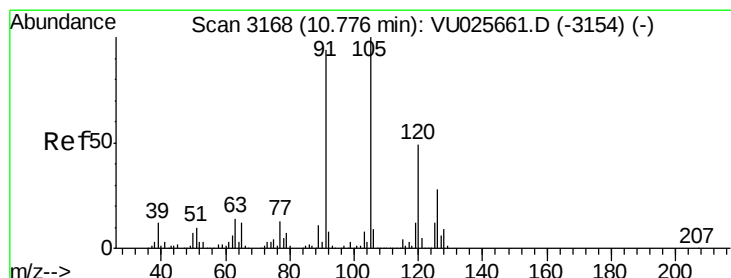
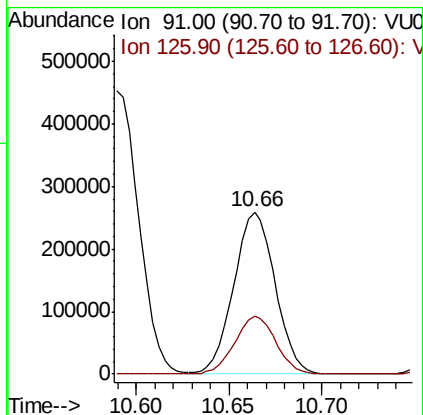
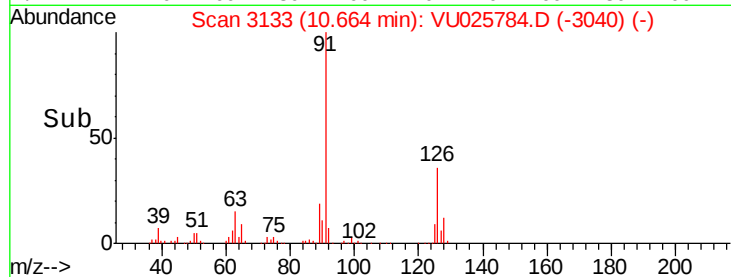
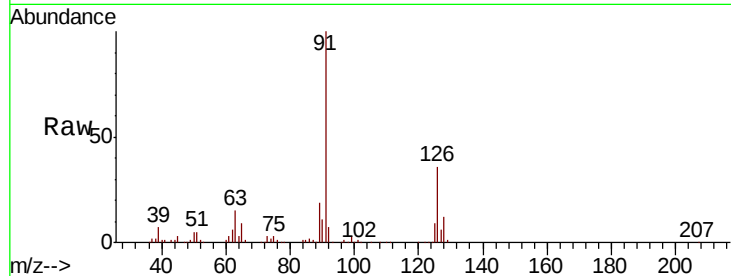
ClientSampleId :

Tot Ion: 91 Resp: 398909

Ion Ratio Lower Upper

91 100

126 35.8 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 49.24 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025784.D

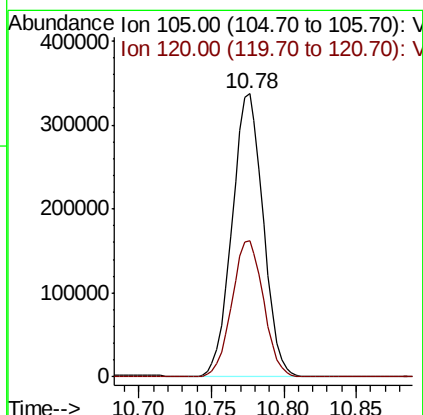
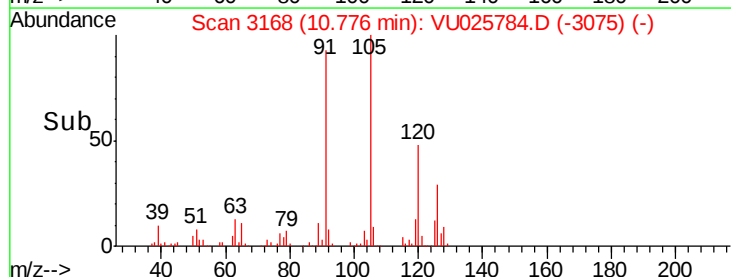
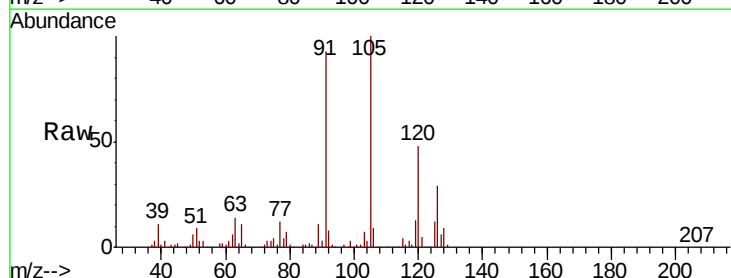
Acq: 01 Aug 2018 18:16

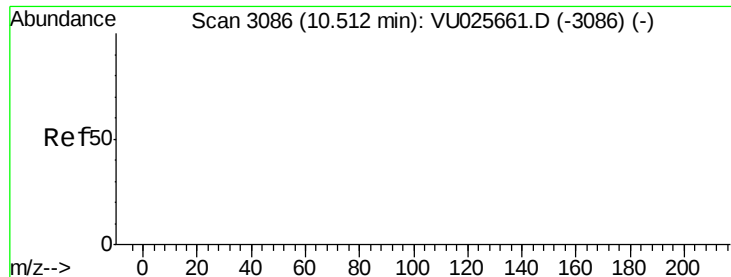
Tgt Ion: 105 Resp: 500188

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.2

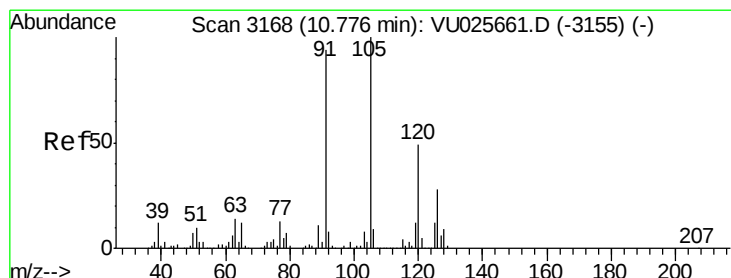
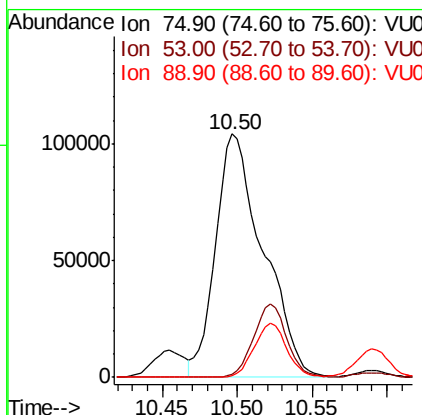
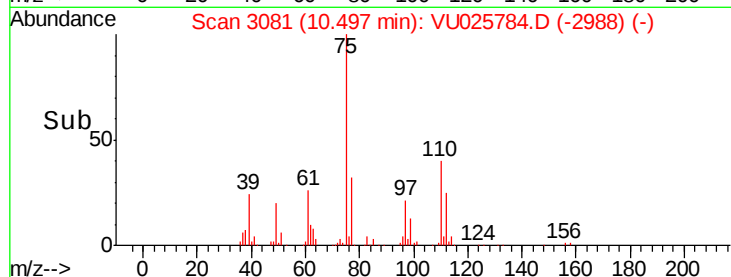
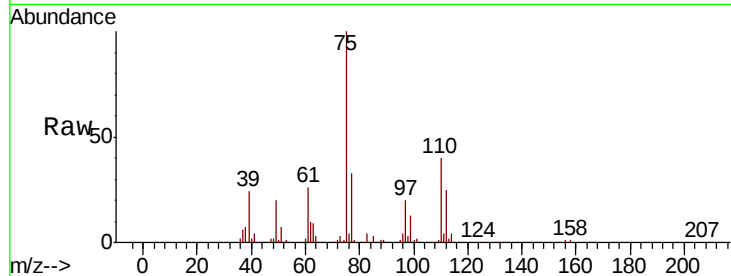




#81
trans-1,4-Dichloro-2-butene
Concen: 149.56 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

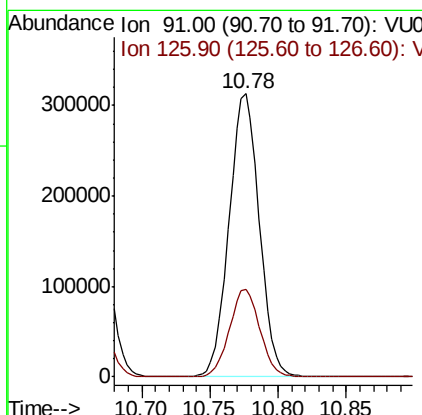
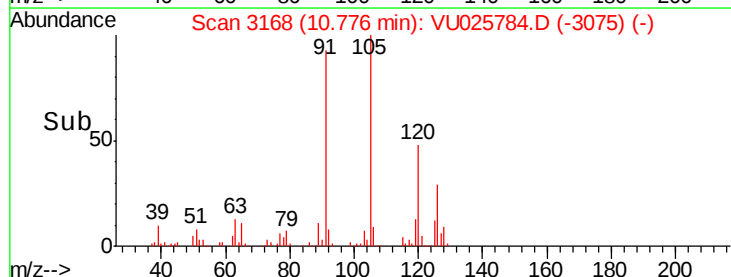
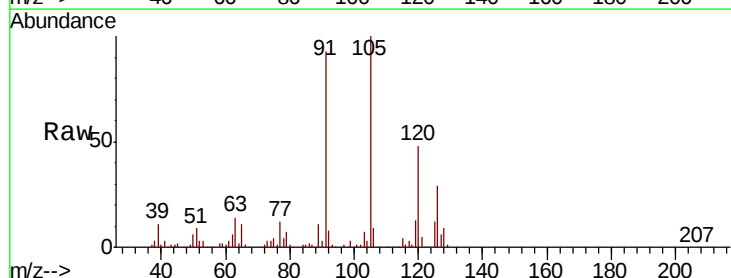
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 230292
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 49.80 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion: 91 Resp: 479990
Ion Ratio Lower Upper
91 100
126 31.4 15.3 45.9

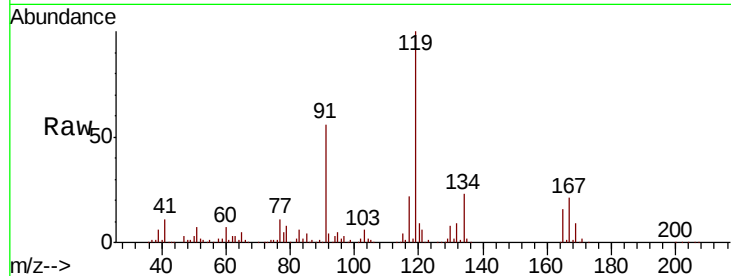




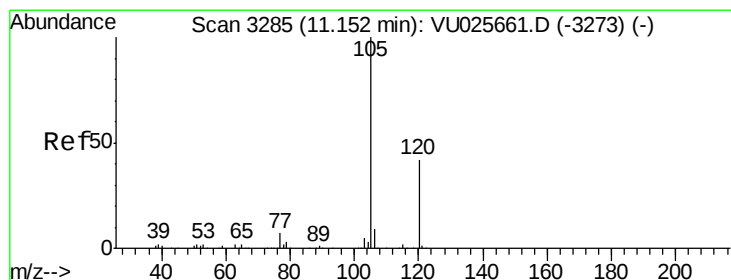
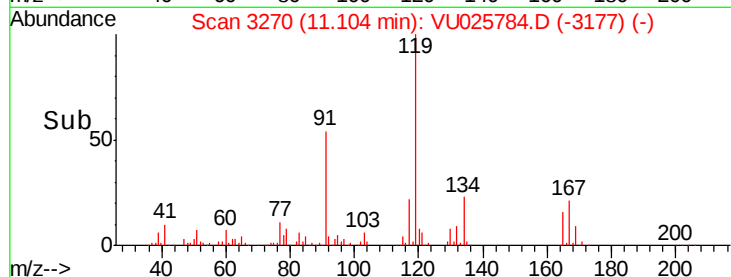
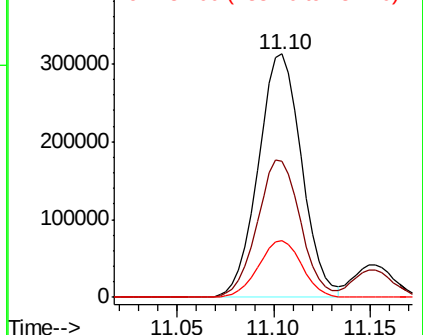
#83
tert-Butylbenzene
Concen: 48.52 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:119 Resp: 489673
Ion Ratio Lower Upper
119 100
91 55.9 29.7 89.1
134 23.4 11.5 34.5

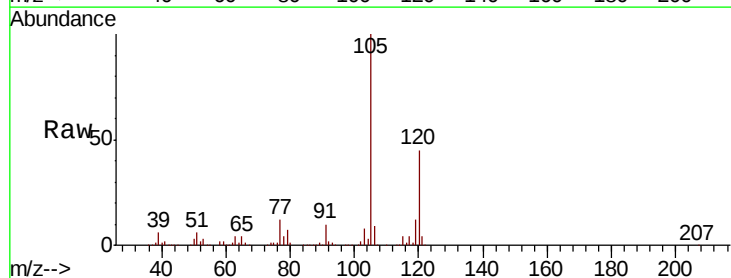


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU0
Ion 134.00 (133.70 to 134.70): V

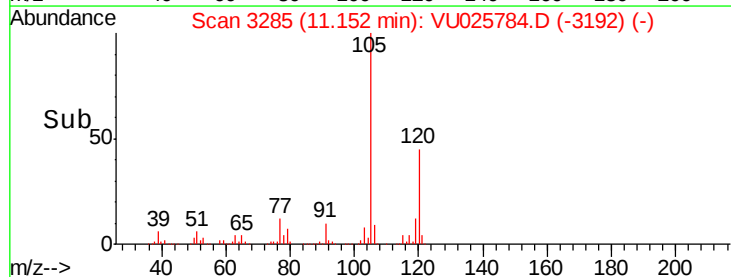
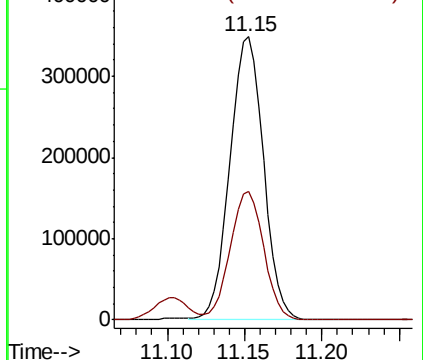


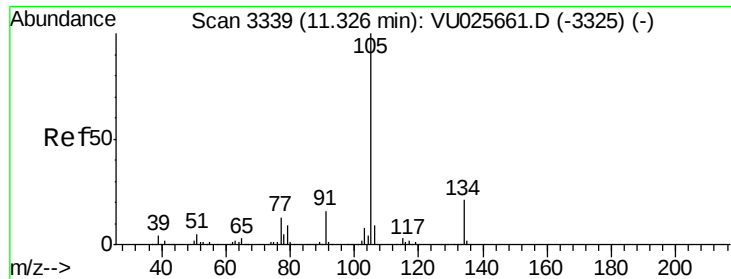
#84
1,2,4-Trimethylbenzene
Concen: 50.93 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion:105 Resp: 524258
Ion Ratio Lower Upper
105 100
120 45.4 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: 46.85 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

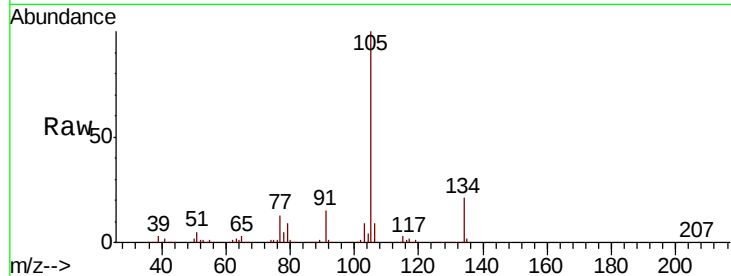
ClientSampleId :

Tot Ion:105 Resp: 577267

Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

400000

300000

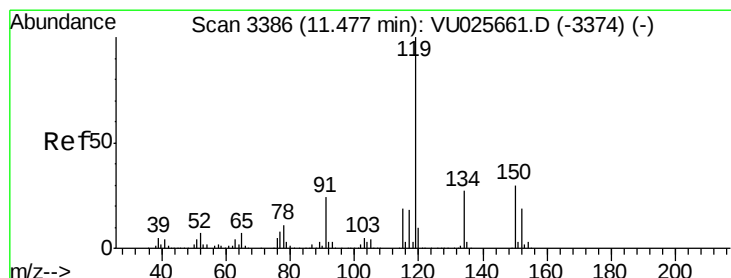
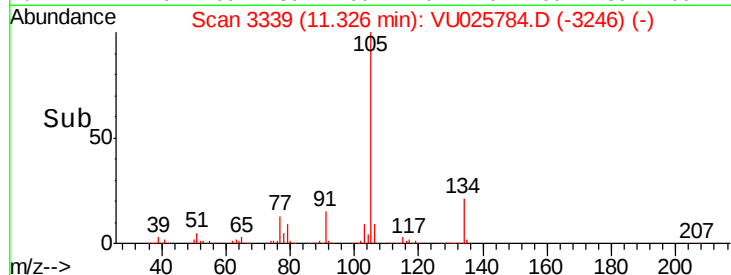
200000

100000

0

Time-->

11.30 11.40



#86

p-Isopropyltoluene

Concen: 47.67 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

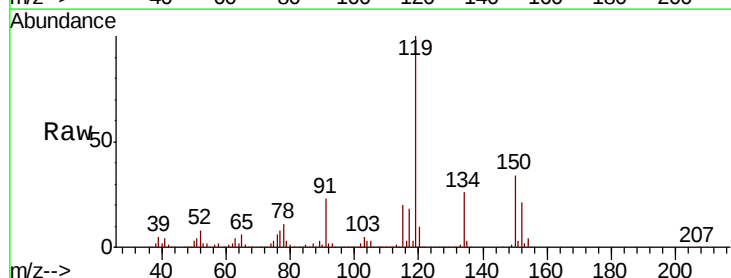
Tgt Ion:119 Resp: 525953

Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 23.2 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

400000

300000

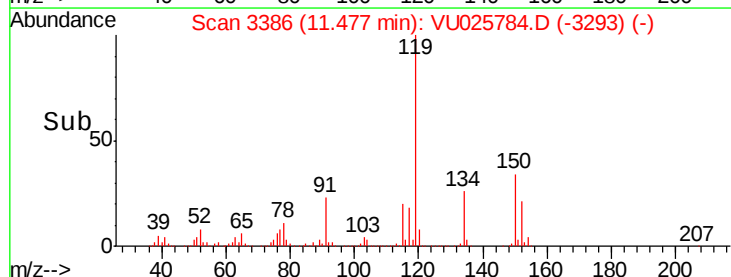
200000

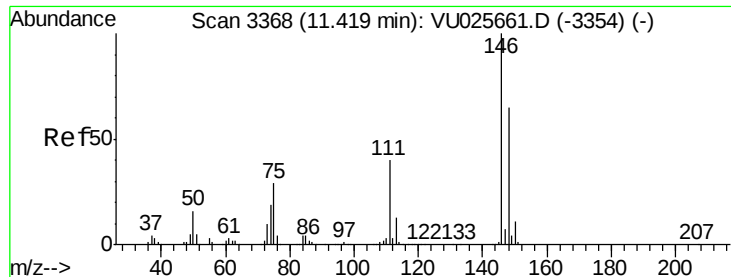
100000

0

Time-->

11.40 11.45 11.50 11.55





#87

1,3-Dichlorobenzene

Concen: 48.18 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

ClientSampled :

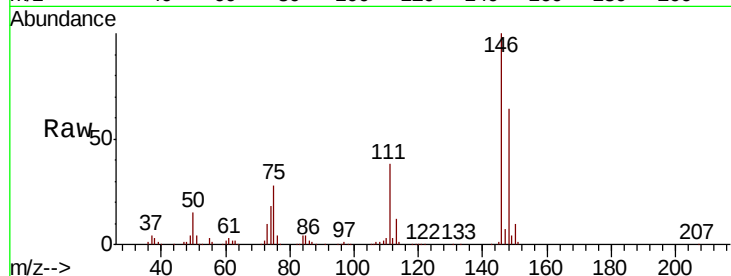
Tot Ion:146 Resp: 294991

Ion Ratio Lower Upper

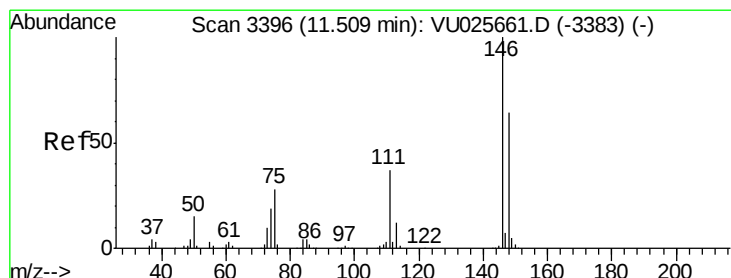
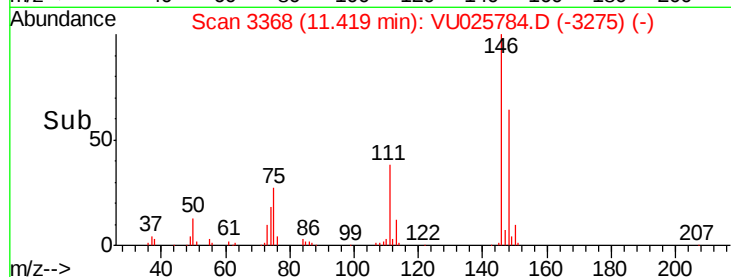
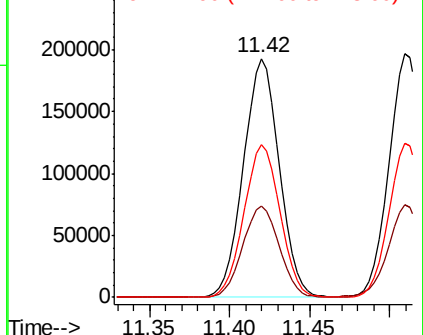
146 100

111 38.9 19.7 59.1

148 64.4 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: 47.30 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

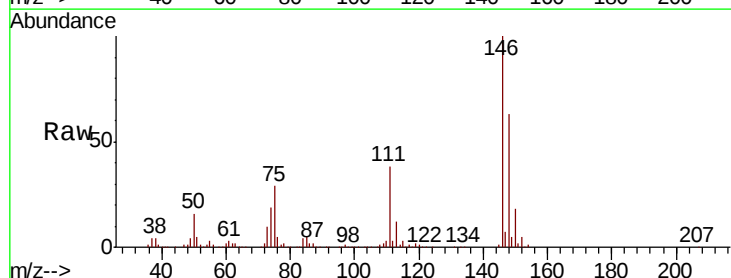
Tgt Ion:146 Resp: 301899

Ion Ratio Lower Upper

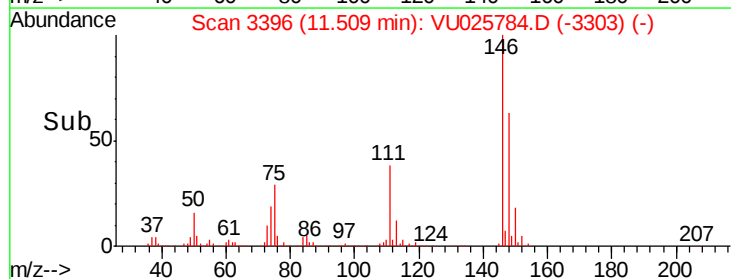
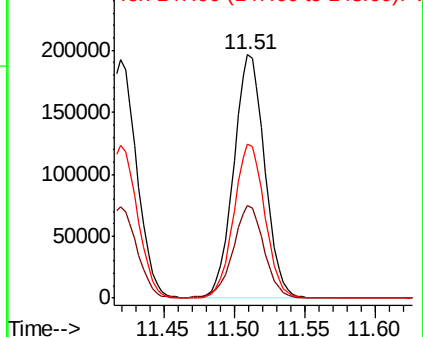
146 100

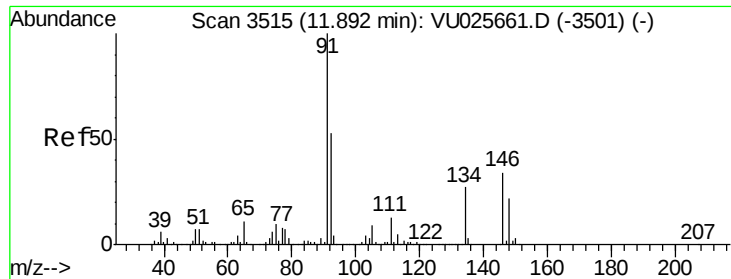
111 38.2 19.4 58.1

148 63.7 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

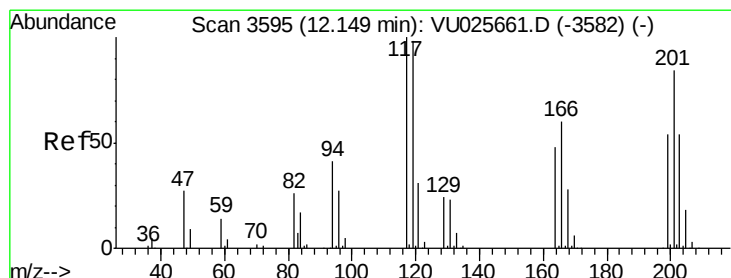
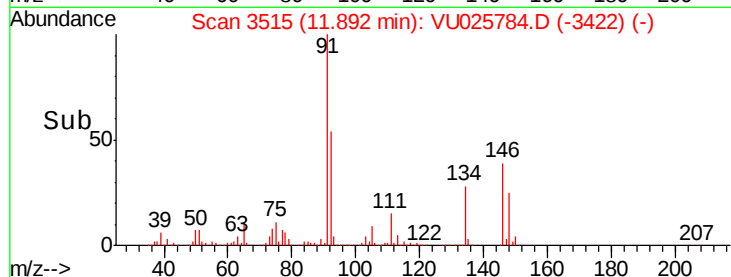
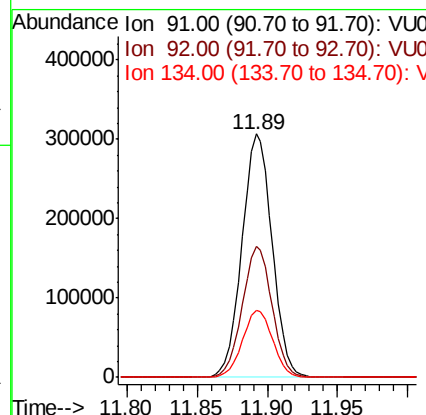
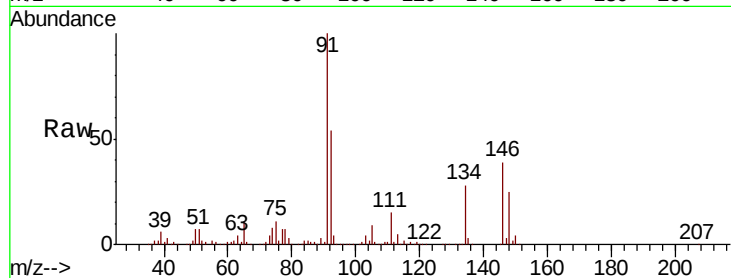




#89
n-Butylbenzene
Concen: 45.03 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

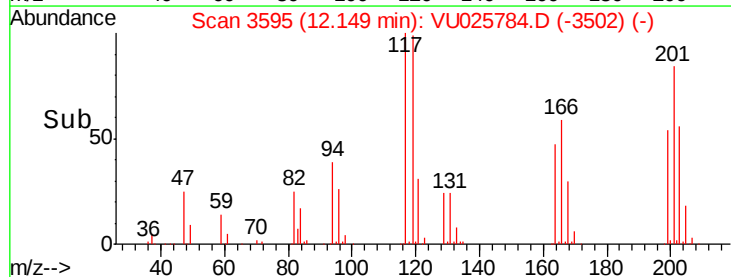
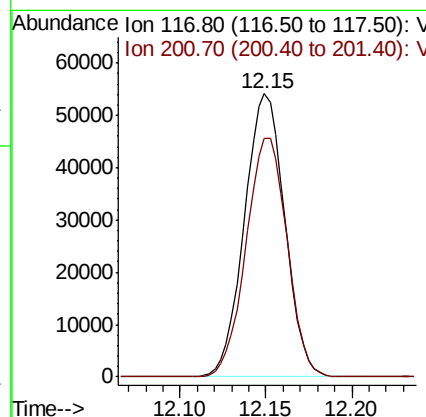
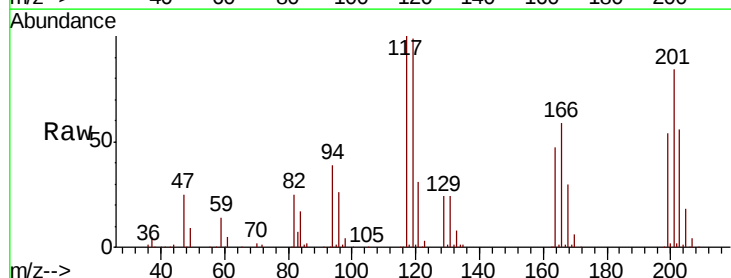
Instrument :
MSVOA_U
ClientSampled :

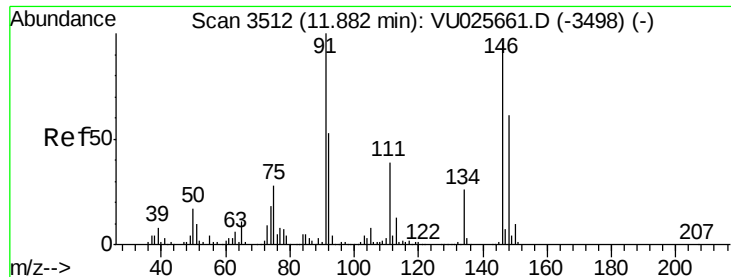
Tot Ion: 91 Resp: 458502
Ion Ratio Lower Upper
91 100
92 53.1 26.5 79.5
134 27.6 13.6 40.7



#90
Hexachloroethane
Concen: 44.87 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion: 117 Resp: 88025
Ion Ratio Lower Upper
117 100
201 85.8 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 49.02 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

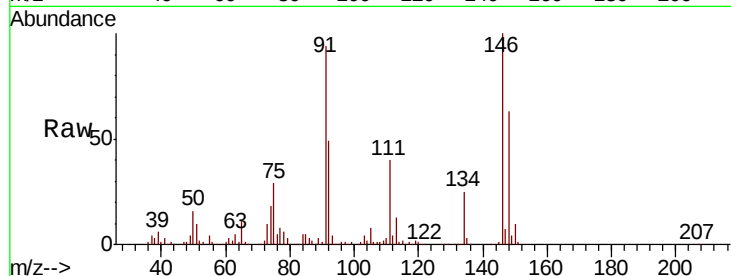
Tot Ion:146 Resp: 294229

Ion Ratio Lower Upper

146 100

111 40.4 20.6 61.8

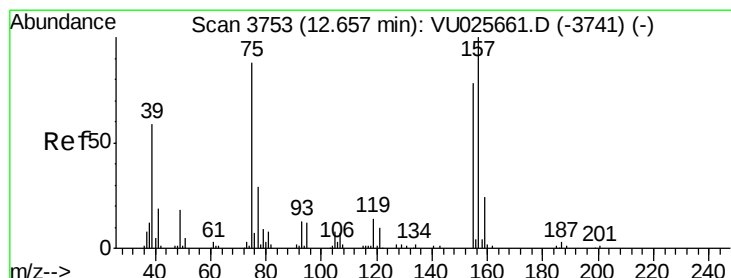
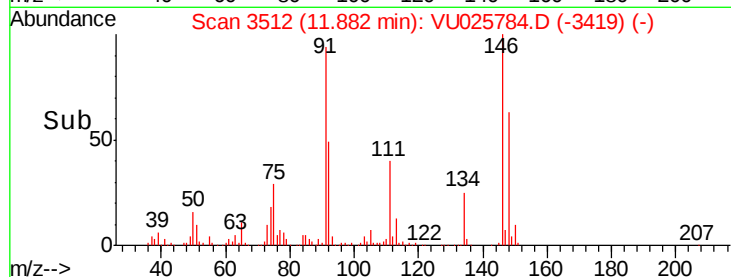
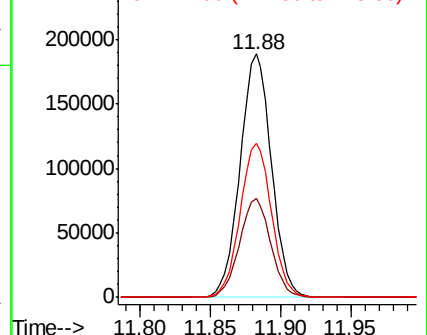
148 63.4 31.5 94.5



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: 52.57 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

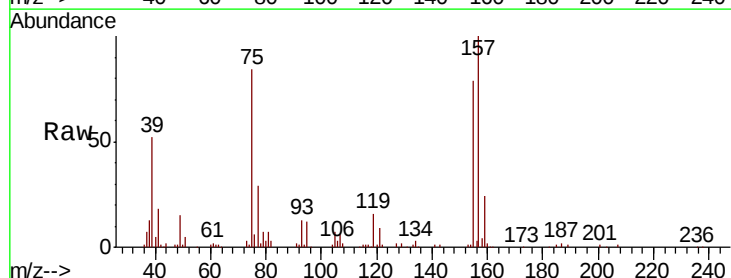
Tgt Ion: 75 Resp: 51543

Ion Ratio Lower Upper

75 100

155 92.1 44.5 133.3

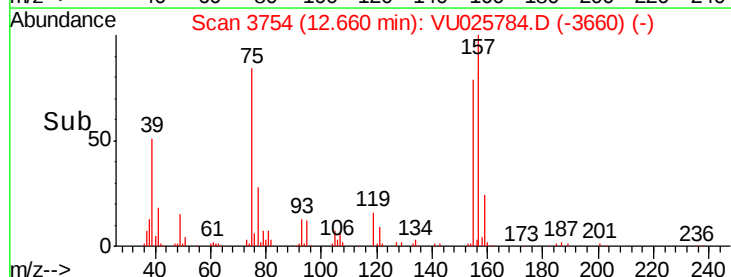
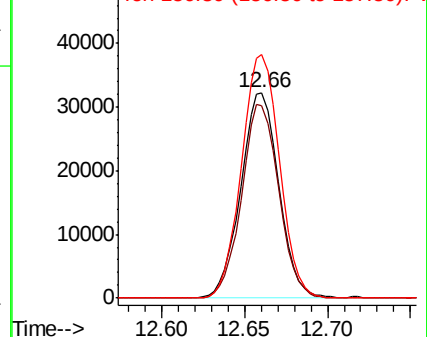
157 118.5 57.0 170.8

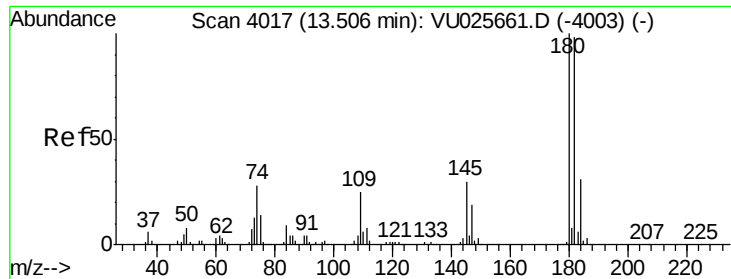


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

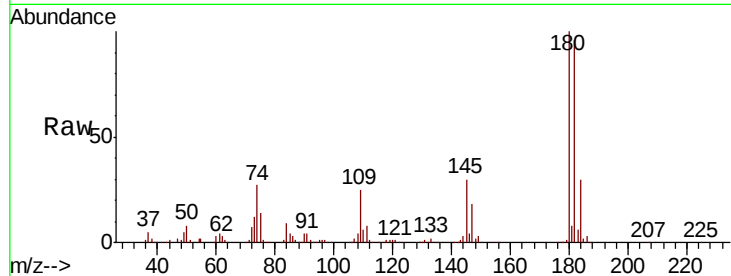




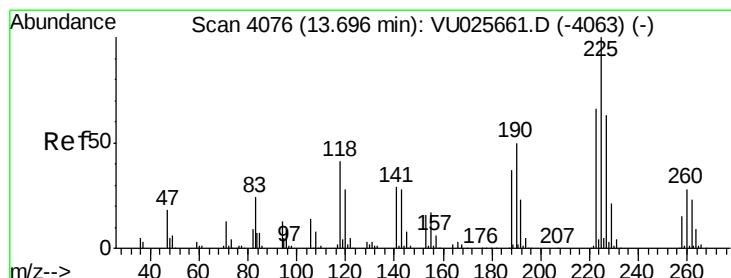
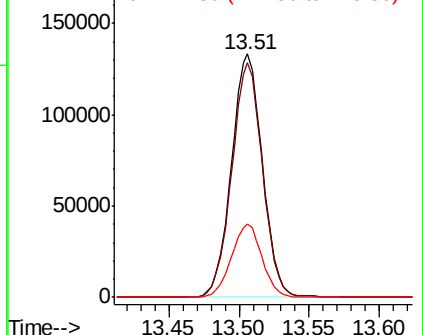
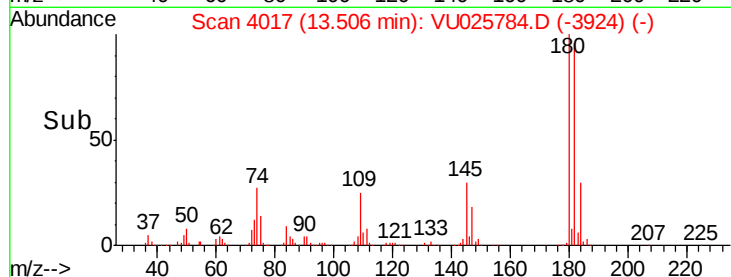
#93
 1,2,4-Trichlorobenzene
 Concen: 50.55 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.9
145	29.8	14.9	44.7

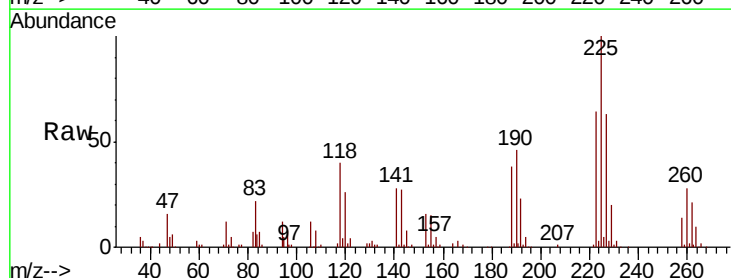


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

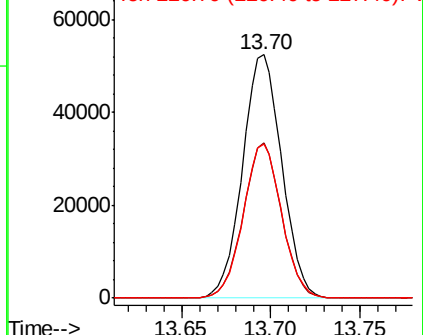
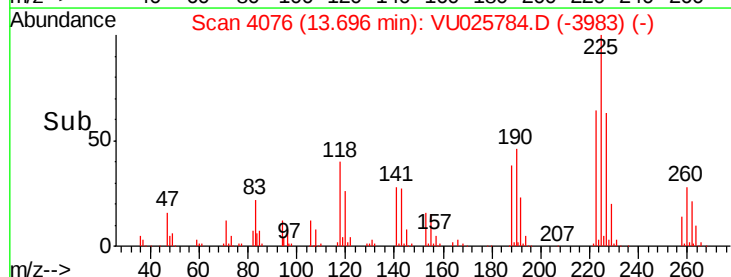


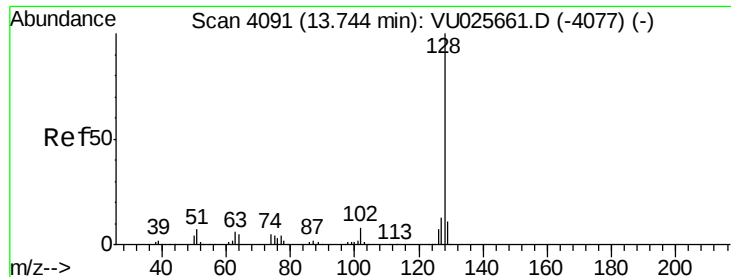
#94
 Hexachlorobutadiene
 Concen: 37.84 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.9	95.7
227	61.8	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

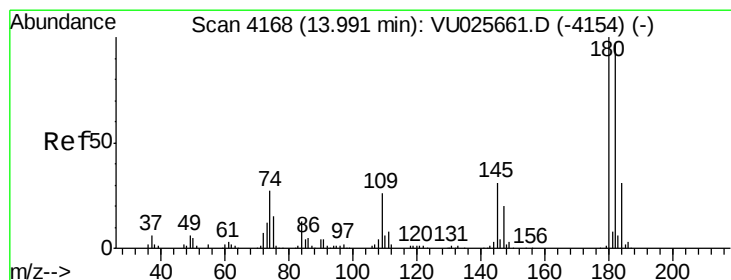
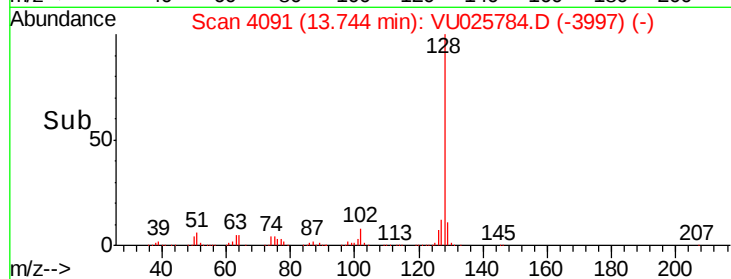
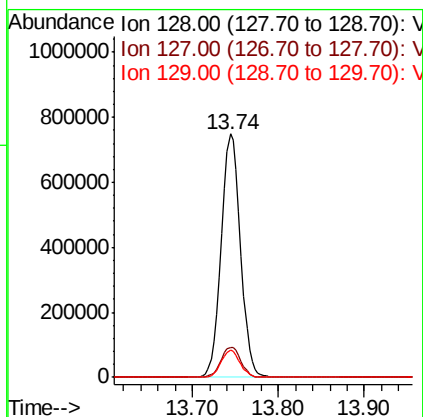
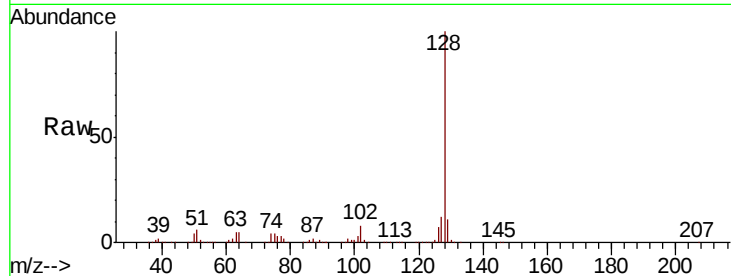




#95
Naphthalene
Concen: 88.56 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 1165154
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.9 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 51.31 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion:180 Resp: 207345
Ion Ratio Lower Upper
180 100
182 95.3 47.8 143.3
145 31.5 15.6 46.8

