

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091018\
 Data File : VU026637.D
 Acq On : 10 Sep 2018 09:18
 Operator : MD/SY
 Sample : VSTD10051
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 11 04:22:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 11 04:12:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	199617	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	190537	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102608	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	150981	101.49	ug/L	0.00
7) Chloroethane-d5	1.67	69	122618	102.29	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	274416	103.08	ug/L	0.00
21) 2-Butanone-d5	4.17	46	193626	209.17	ug/L	0.00
24) Chloroform-d	4.65	84	252469	102.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	161510	99.77	ug/L	0.00
32) Benzene-d6	5.34	84	511893	103.80	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	170655	103.12	ug/L	0.00
41) Toluene-d8	7.57	98	486508	105.14	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	82317	106.99	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	154519	228.85	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	235931	104.13	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	204769	100.11	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	133131	105.950	ug/L	100
3) Chloromethane	1.33	50	172469	104.416	ug/L	98
5) Vinyl chloride	1.40	62	180941	106.014	ug/L	100
6) Bromomethane	1.62	94	106275	106.850	ug/L	98
8) Chloroethane	1.69	64	111507	105.342	ug/L	100
9) Trichlorofluoromethane	1.88	101	231819	107.713	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	131804	107.539	ug/L	100
12) 1,1-Dichloroethene	2.28	96	123972	105.326	ug/L	95
13) Acetone	2.32	43	213066	202.086	ug/L	100
14) Carbon disulfide	2.48	76	397248	103.915	ug/L	99
15) Methyl Acetate	2.61	43	157120	104.459	ug/L	99
16) Methylene chloride	2.70	84	146194	105.246	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	132127	105.942	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	420623	109.452	ug/L	100
19) 1,1-Dichloroethane	3.45	63	257510	106.464	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	152214	108.355	ug/L	96
22) 2-Butanone	4.26	43	260862	216.093	ug/L	100
23) Bromochloromethane	4.55	128	76951	107.101	ug/L	97
25) Chloroform	4.67	83	257571	105.947	ug/L	99
27) 1,2-Dichloroethane	5.40	62	206897	107.175	ug/L	100
29) Cyclohexane	5.00	56	238665	114.353	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	215905	106.963	ug/L	99
31) Carbon tetrachloride	5.14	117	197720	108.369	ug/L	99
33) Benzene	5.39	78	574888	107.743	ug/L	100
34) Trichloroethene	6.19	95	142965	107.800	ug/L	99
35) Methylcyclohexane	6.42	83	245254	115.530	ug/L	99
37) 1,2-Dichloropropane	6.43	63	162646	109.115	ug/L	100
38) Bromodichloromethane	6.76	83	197424	108.076	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	248440	112.634	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	427437	224.801	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091018\
 Data File : VU026637.D
 Acq On : 10 Sep 2018 09:18
 Operator : MD/SY
 Sample : VSTD10051
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

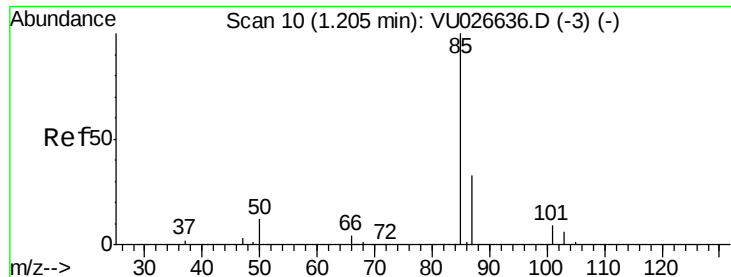
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 11 04:22:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 11 04:12:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.64	91	612030	110.667	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	230657	112.405	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	142409	107.706	ug/L	98
46) Tetrachloroethene	8.23	164	119643	107.343	ug/L	98
48) 2-Hexanone	8.36	43	363498	226.434	ug/L	98
49) Dibromochloromethane	8.48	129	168514	110.264	ug/L	98
50) 1,2-Dibromoethane	8.59	107	154234	109.045	ug/L	99
51) Chlorobenzene	9.12	112	396639	109.230	ug/L	99
52) Ethylbenzene	9.25	91	678073	113.372	ug/L	100
53) m,p-Xylene	9.38	106	260311	115.428	ug/L	97
54) o-xylene	9.78	106	258122	115.326	ug/L	99
55) Styrene	9.79	104	444099	117.298	ug/L	99
56) Isopropylbenzene	10.17	105	671645	117.800	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	249283	108.831	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	189025	107.177	ug/L	100
61) Bromoform	9.96	173	130278	103.069	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	316613	107.464	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	325741	104.367	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	331491	106.459	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	53211	105.778	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	258435	110.585	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	233773	115.090	ug/L	99
69) Naphthalene	13.74	128	738566	118.659	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	246277	111.932	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 105.950 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

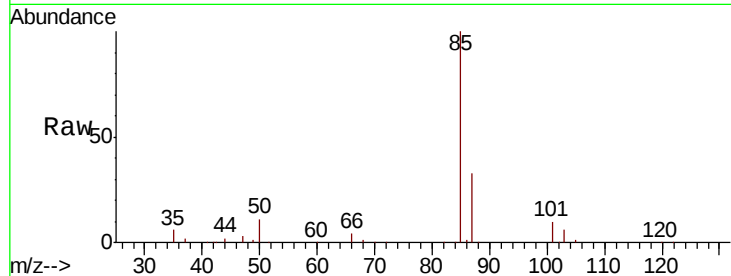
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 133131

Ion Ratio Lower Upper

85 100

87 32.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU026637.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU026637.D (-3) (-)

1.21

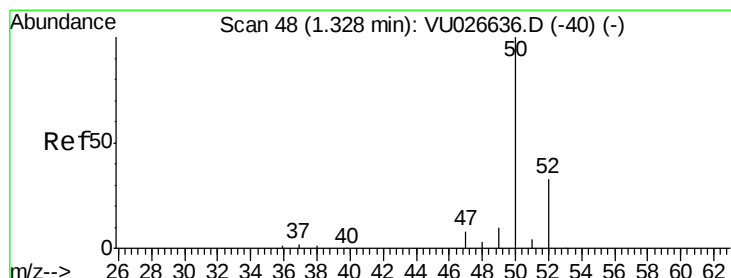
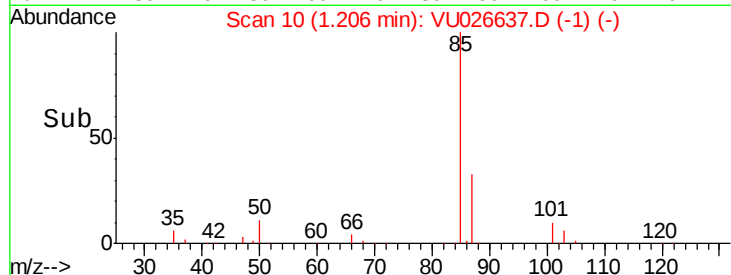
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 104.416 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026637.D

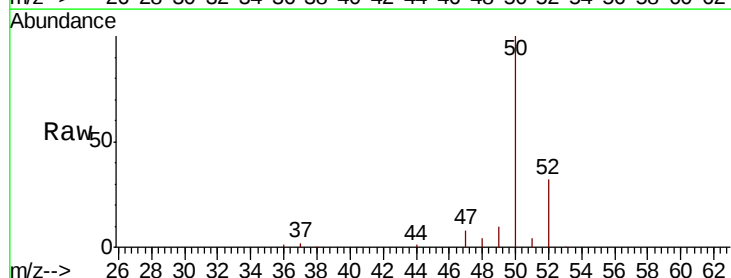
Acq: 10 Sep 2018 09:18

Tgt Ion: 50 Resp: 172469

Ion Ratio Lower Upper

50 100

52 32.3 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU026637.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU026637.D (-1) (-)

1.33

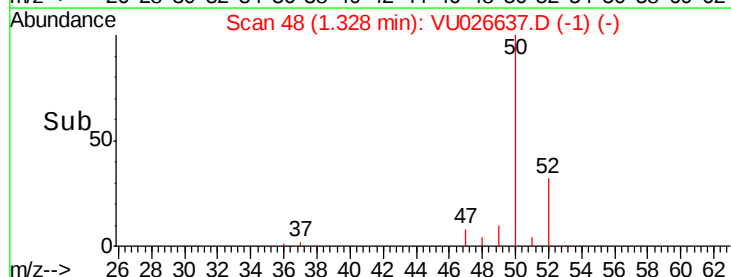
150000

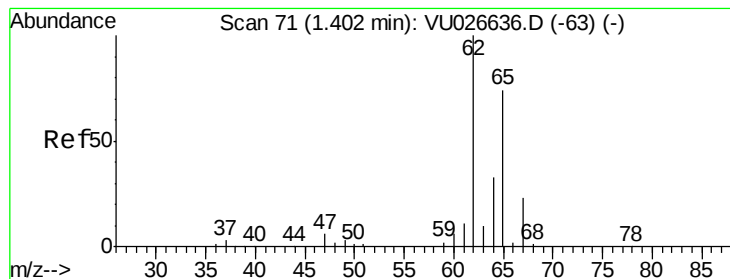
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 106.014 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

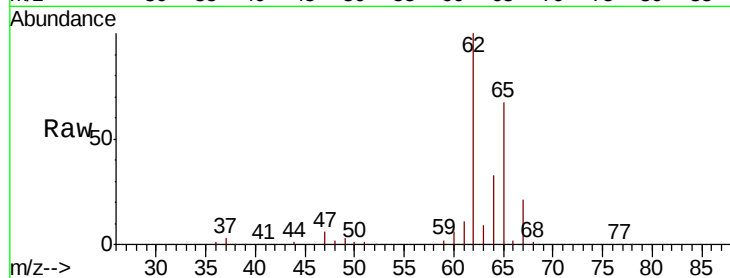
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 180941

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

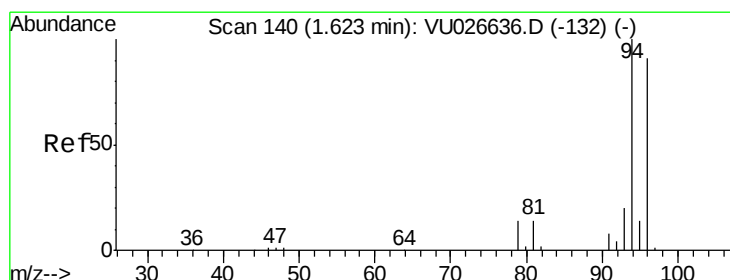
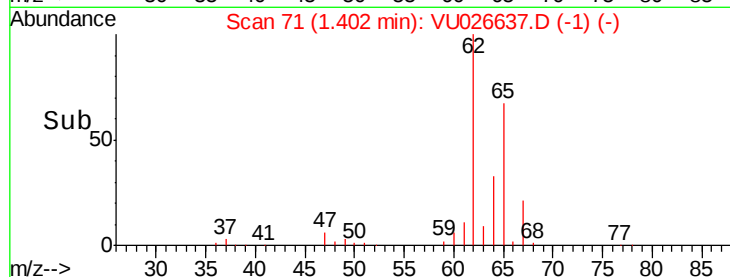
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 106.850 ug/L

RT: 1.62 min Scan# 138

Delta R.T. -0.01 min

Lab File: VU026637.D

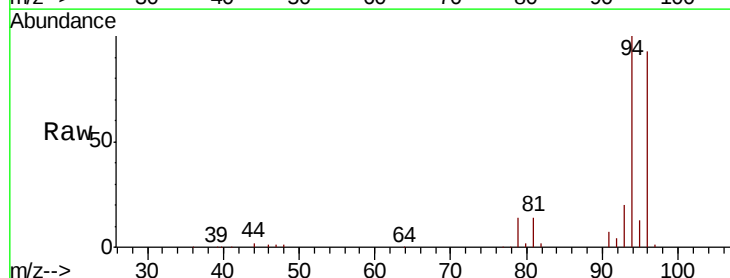
Acq: 10 Sep 2018 09:18

Tgt Ion: 94 Resp: 106275

Ion Ratio Lower Upper

94 100

96 93.1 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

100000

80000

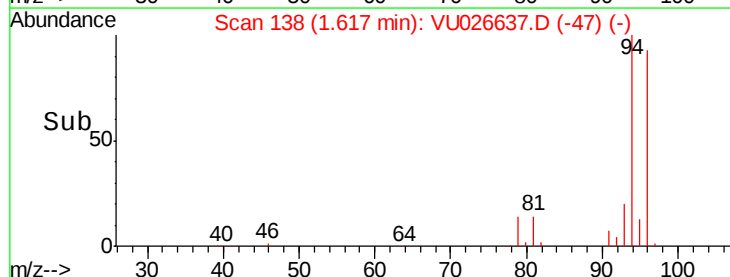
60000

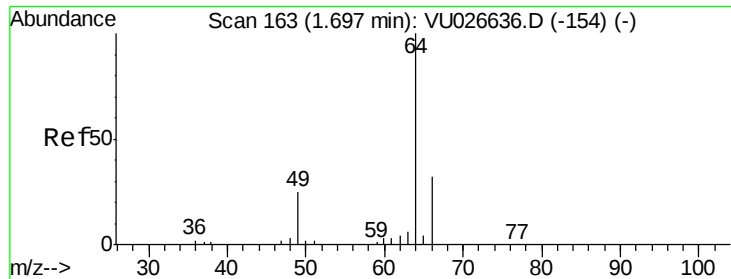
40000

20000

0

Time-->





#8

Chloroethane

Concen: 105.342 ug/L

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

Instrument :

MSVOA_U

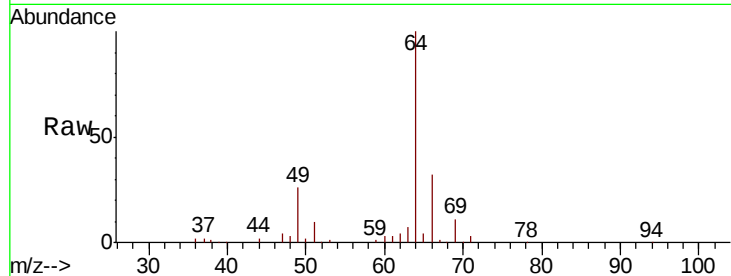
ClientSampleId :

Tot Ion: 64 Resp: 111507

Ion Ratio Lower Upper

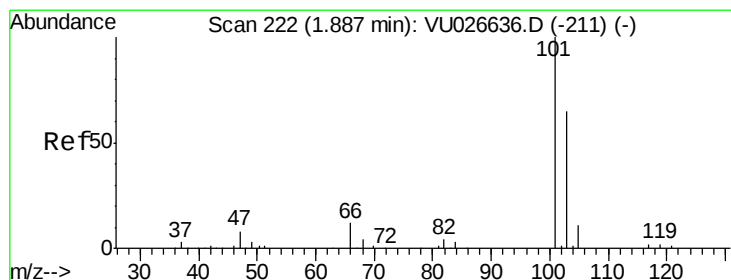
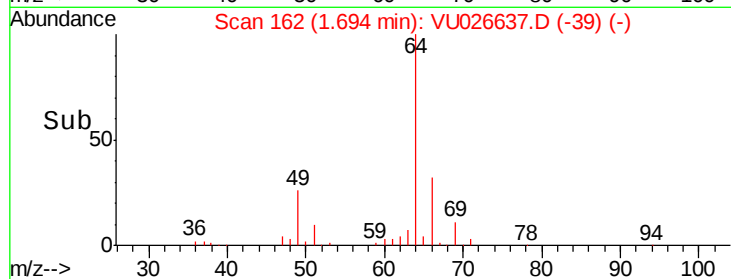
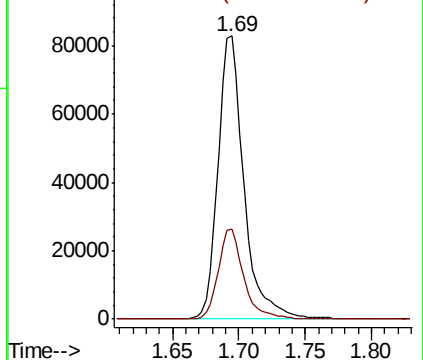
64 100

66 31.8 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 107.713 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU026637.D

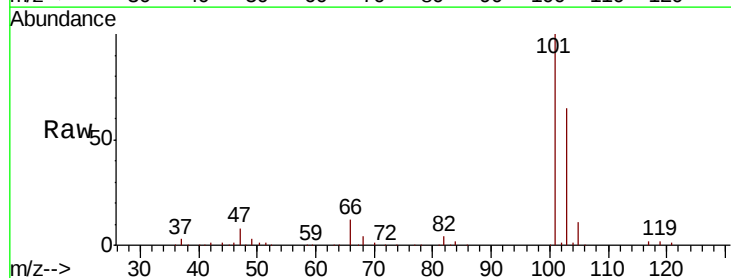
Acq: 10 Sep 2018 09:18

Tgt Ion:101 Resp: 231819

Ion Ratio Lower Upper

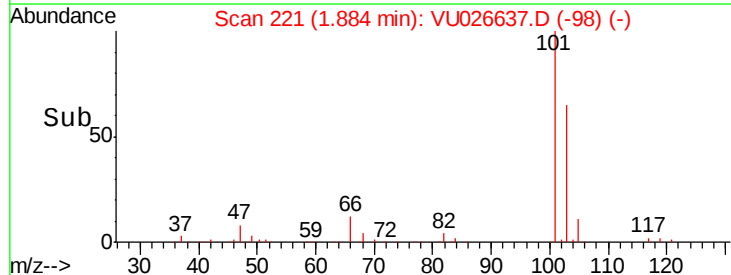
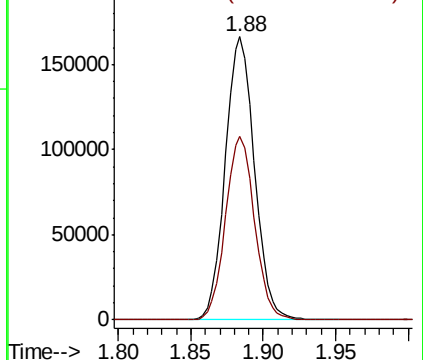
101 100

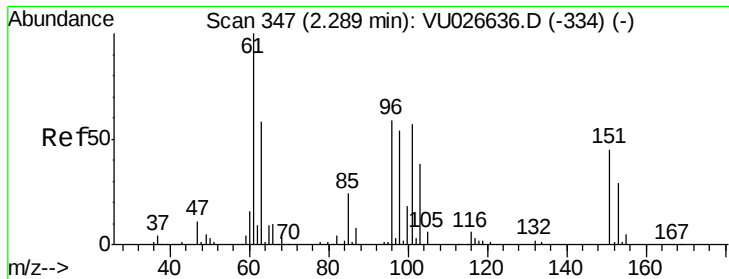
103 64.4 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 107.539 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

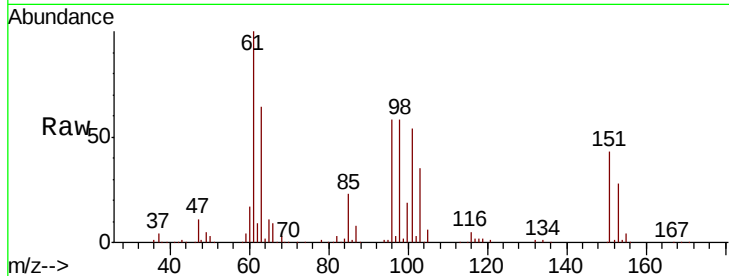
Tot Ion:101 Resp: 131804

Ion Ratio Lower Upper

101 100

85 42.5 34.1 51.1

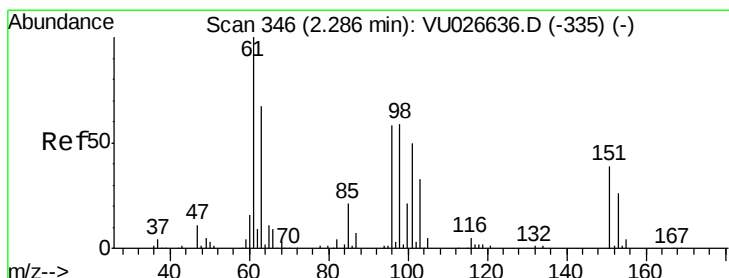
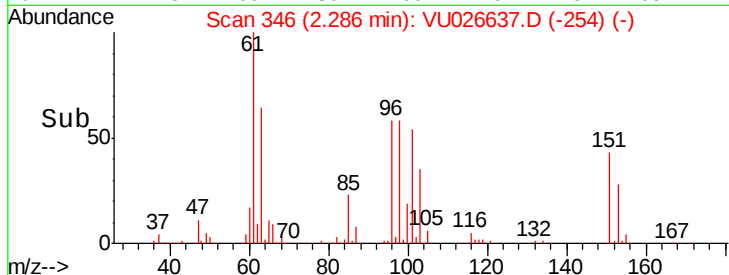
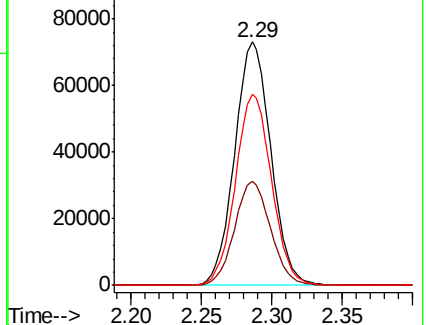
151 78.2 62.6 94.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 105.326 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

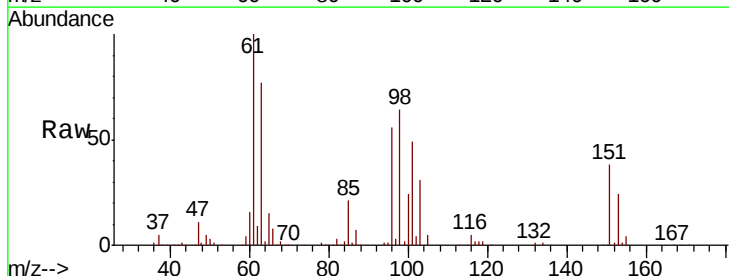
Tgt Ion: 96 Resp: 123972

Ion Ratio Lower Upper

96 100

61 177.5 121.0 224.8

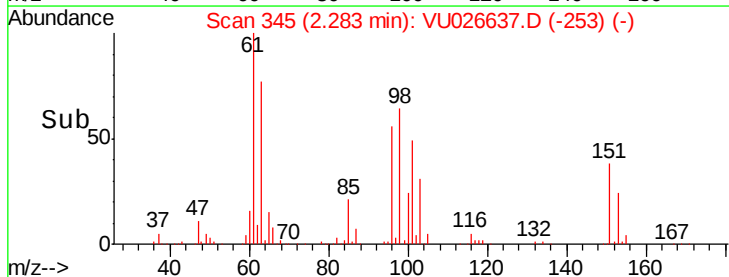
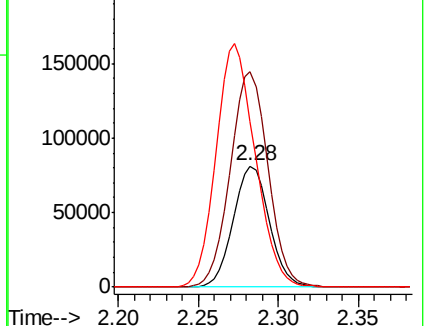
63 136.5 89.9 166.9

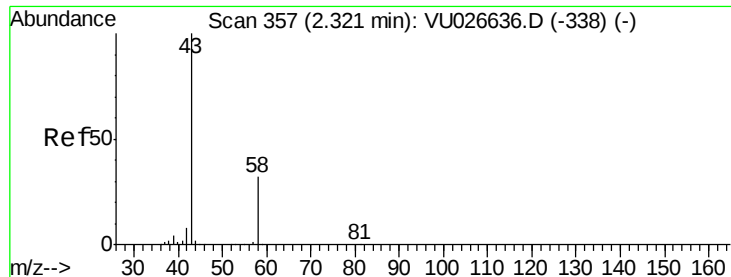


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 202.086 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

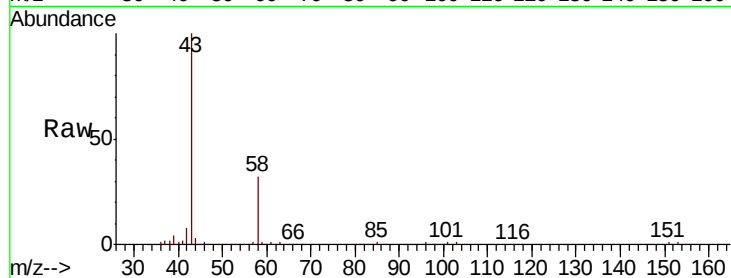
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 213066

Ion Ratio Lower Upper

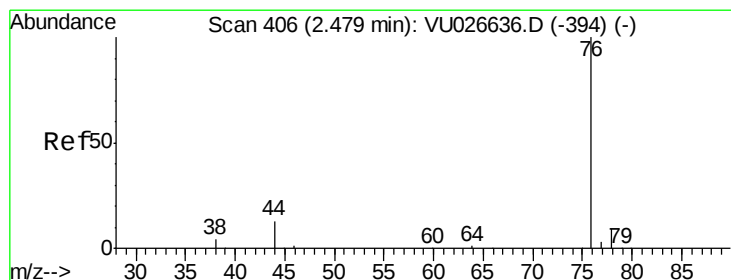
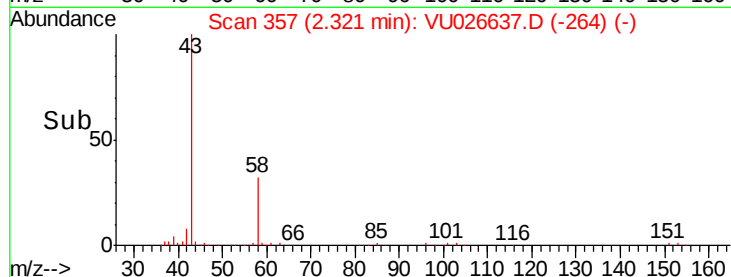
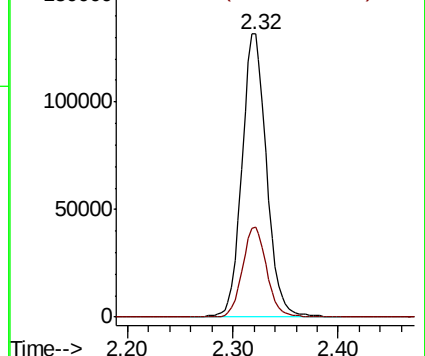
43 100

58 31.5 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU026637.D (-264) (-)

Ion 58.00 (57.70 to 58.70): VU026637.D (-264) (-)



#14

Carbon disulfide

Concen: 103.915 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026637.D

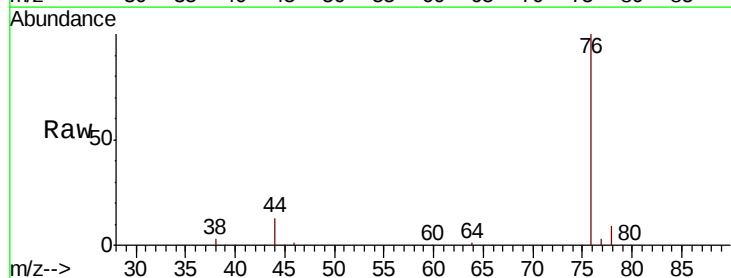
Acq: 10 Sep 2018 09:18

Tgt Ion: 76 Resp: 397248

Ion Ratio Lower Upper

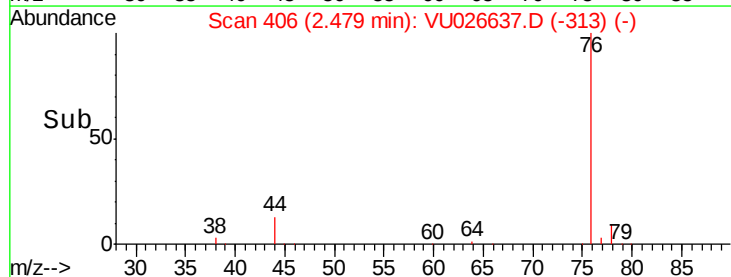
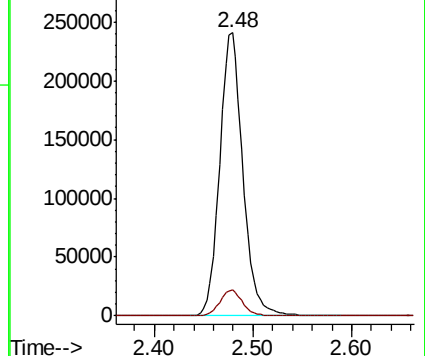
76 100

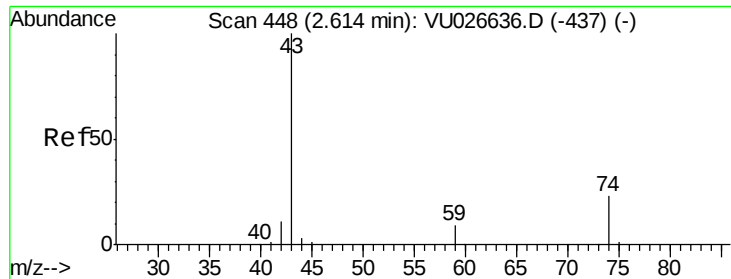
78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU026637.D (-313) (-)

Ion 78.00 (77.70 to 78.70): VU026637.D (-313) (-)

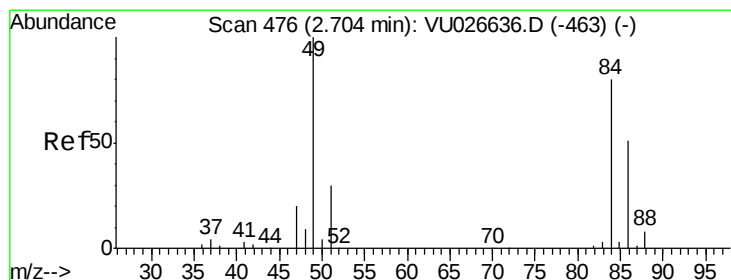
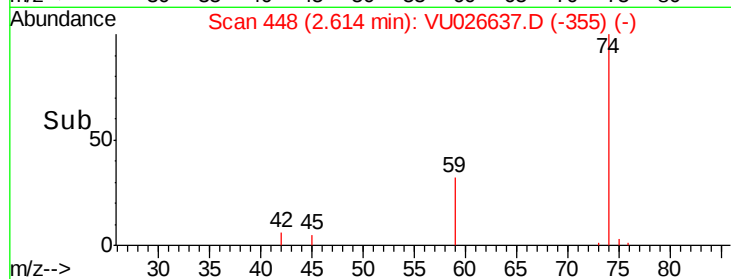
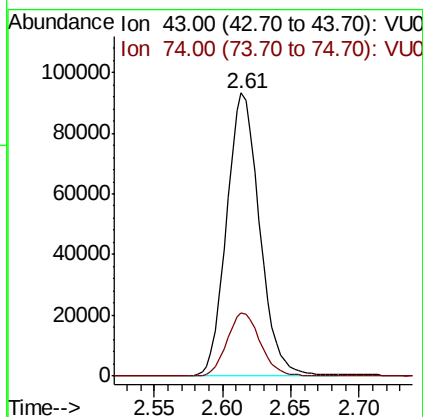
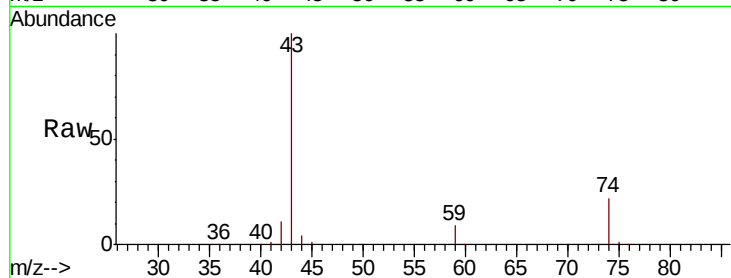




#15
Methvl Acetate
Concen: 104.459 ug/L
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU026637.D
Acq: 10 Sep 2018 09:18

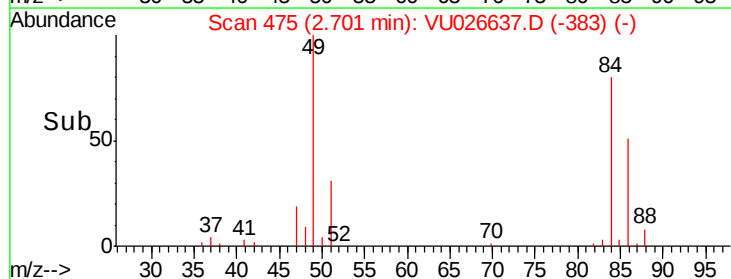
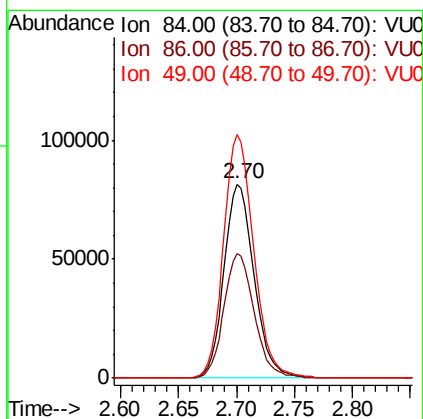
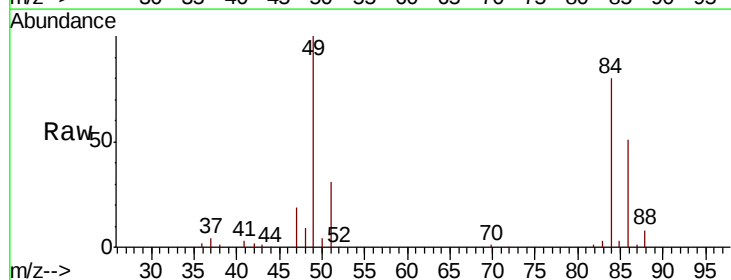
Instrument :
MSVOA_U
ClientSampled :

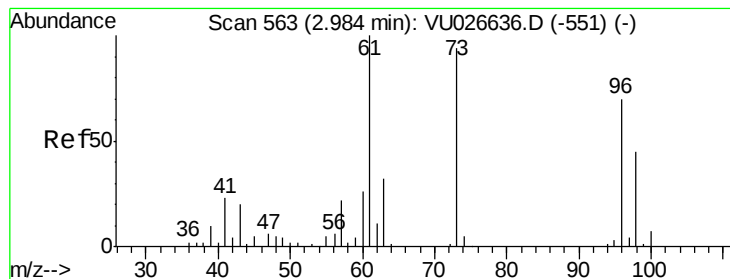
Tot Ion: 43 Resp: 157120
Ion Ratio Lower Upper
43 100
74 22.7 18.5 27.7



#16
Methylene chloride
Concen: 105.246 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026637.D
Acq: 10 Sep 2018 09:18

Tgt Ion: 84 Resp: 146194
Ion Ratio Lower Upper
84 100
86 64.1 44.1 81.9
49 125.6 87.2 161.9





#17

trans-1,2-Dichloroethene

Concen: 105.942 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

Instrument :

MSVOA_U

ClientSampled :

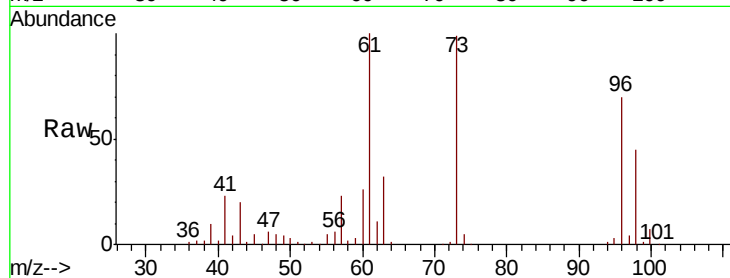
Tot Ion: 96 Resp: 132127

Ion Ratio Lower Upper

96 100

61 143.4 99.7 185.1

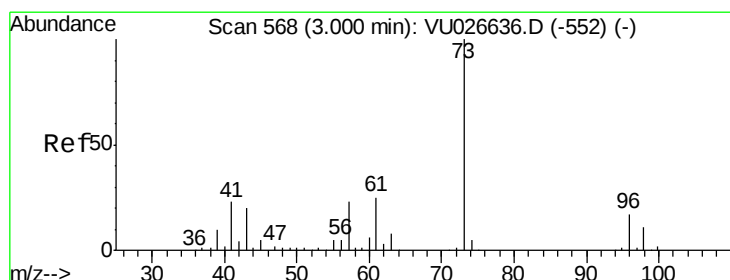
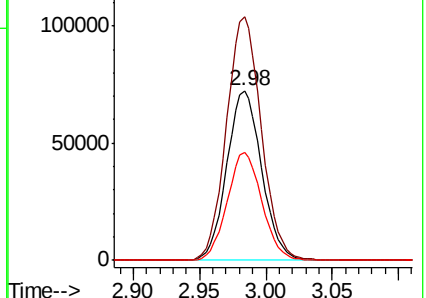
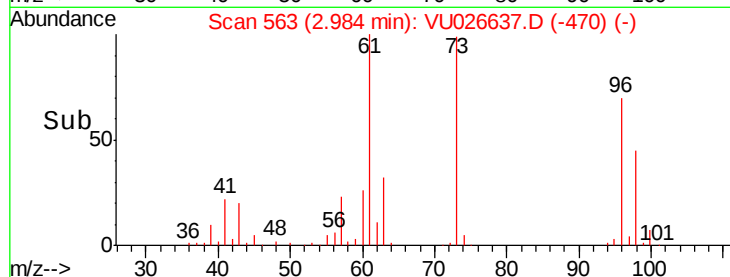
98 63.9 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 109.452 ug/L

RT: 3.00 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

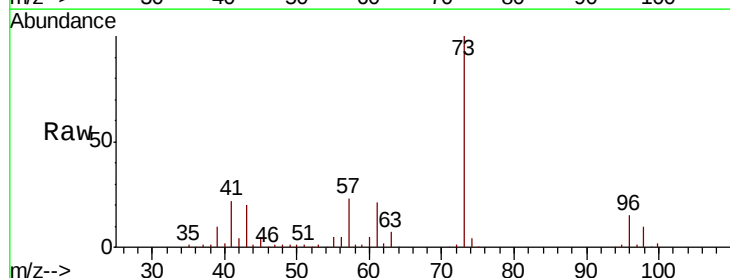
Tgt Ion: 73 Resp: 420623

Ion Ratio Lower Upper

73 100

43 20.1 16.0 24.0

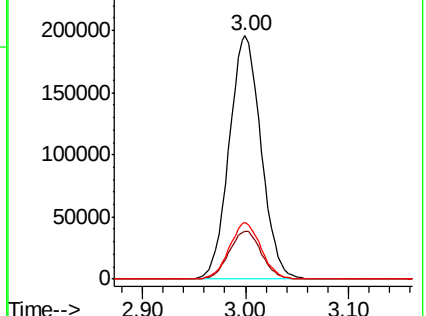
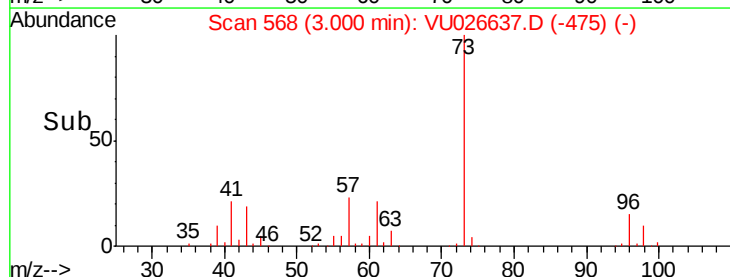
57 23.1 18.6 27.8

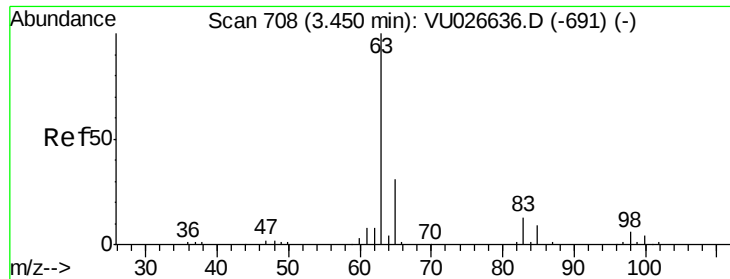


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

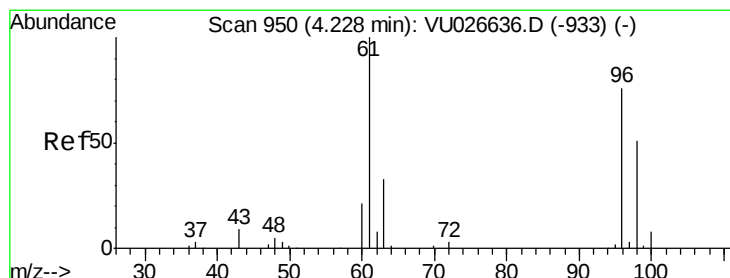
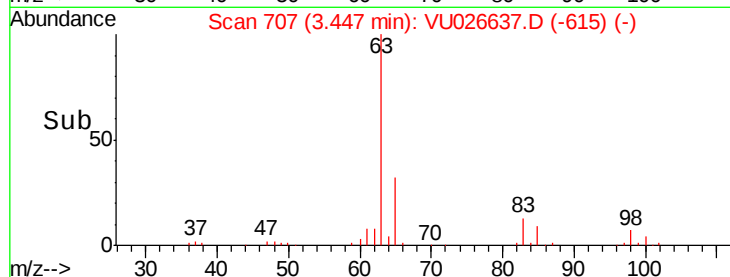
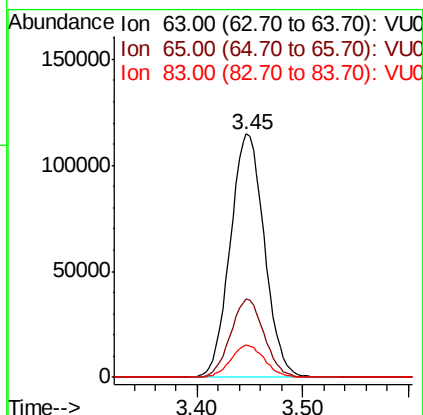
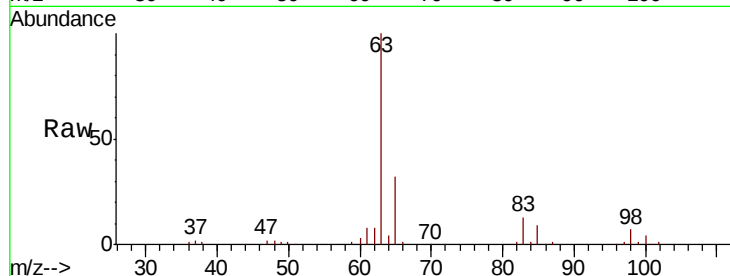




#19
 1,1-Dichloroethane
 Concen: 106.464 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU026637.D
 Acq: 10 Sep 2018 09:18

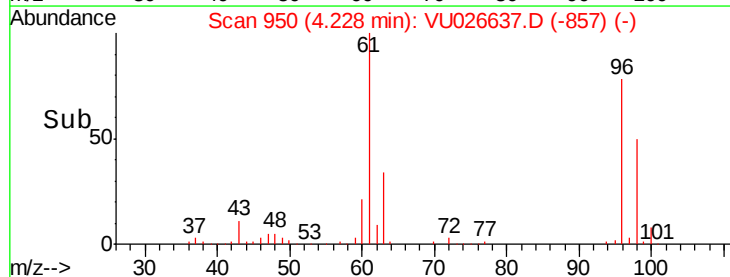
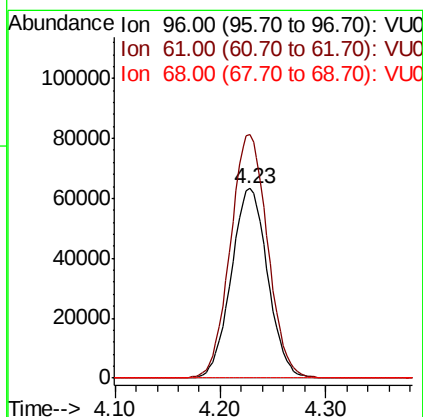
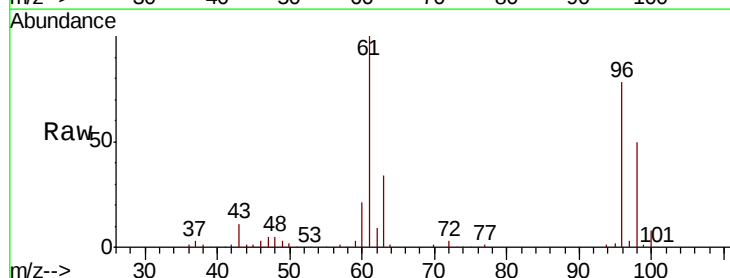
Instrument :
 MSVOA_U
 ClientSampleId :

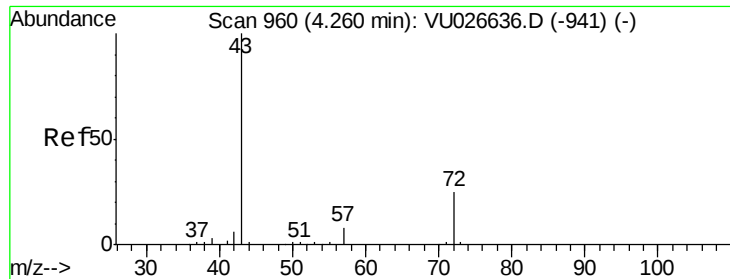
Tot Ion: 63 Resp: 257510
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.9 40.7
 83 13.2 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 108.355 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026637.D
 Acq: 10 Sep 2018 09:18

Tgt Ion: 96 Resp: 152214
 Ion Ratio Lower Upper
 96 100
 61 128.3 92.9 172.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 216.093 ug/L

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

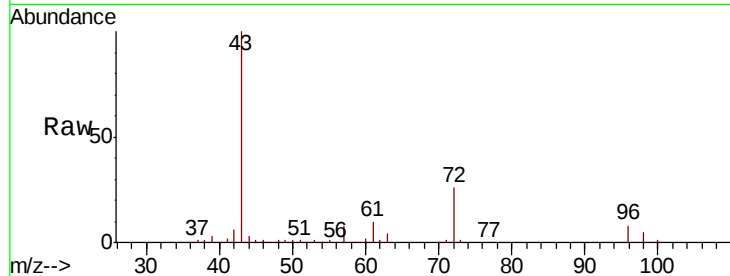
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 260862

Ion Ratio Lower Upper

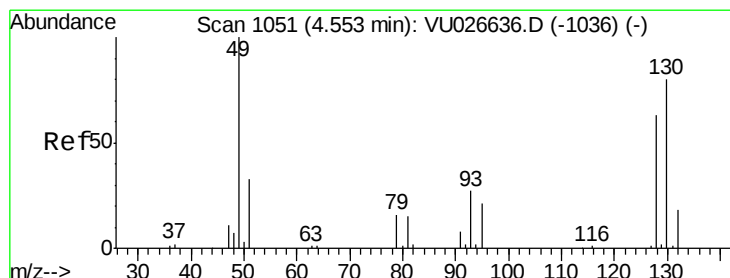
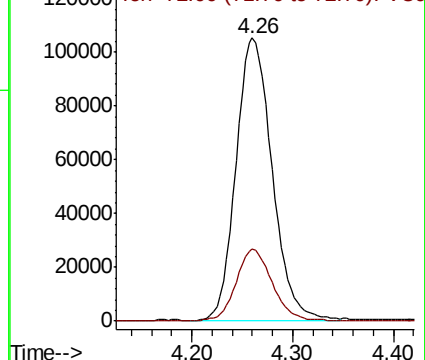
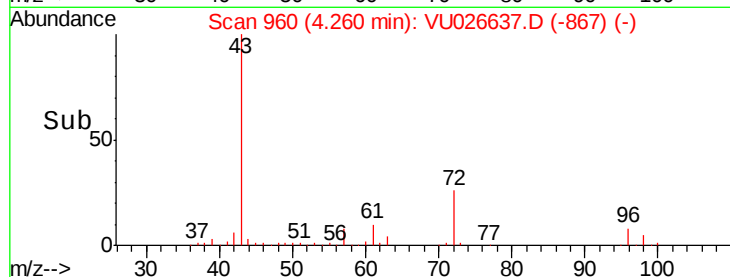
43 100

72 25.8 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU026637.D (-867) (-)

Ion 72.00 (71.70 to 72.70): VU026637.D (-867) (-)



#23

Bromochloromethane

Concen: 107.101 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

Tgt Ion: 128 Resp: 76951

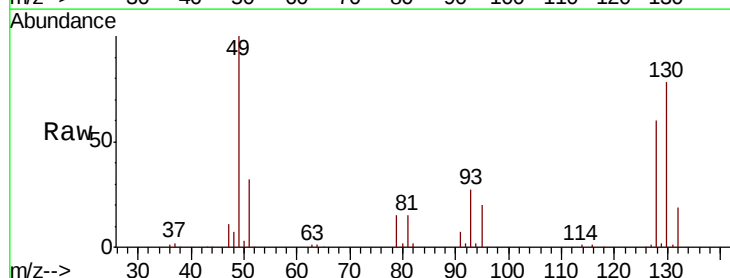
Ion Ratio Lower Upper

128 100

49 166.1 111.7 207.5

130 130.0 89.0 165.2

51 52.6 42.0 63.0

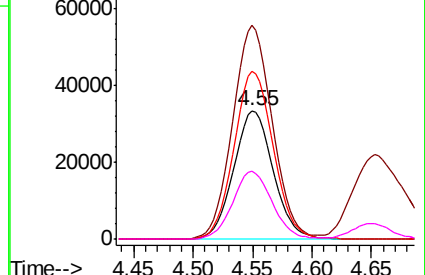
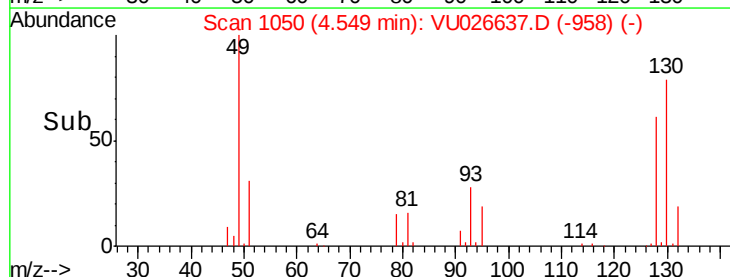


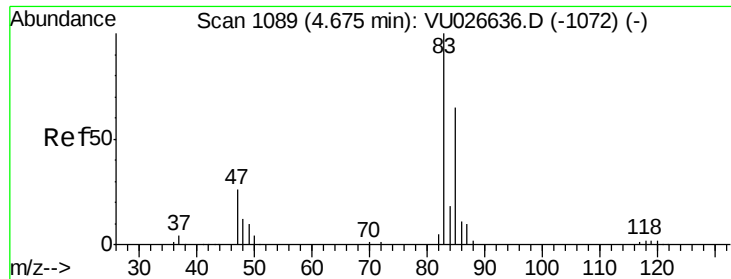
Abundance Ion 128.00 (127.70 to 128.70): VU026637.D (-958) (-)

Ion 49.00 (48.70 to 49.70): VU026637.D (-958) (-)

Ion 130.00 (129.70 to 130.70): VU026637.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VU026637.D (-958) (-)





#25

Chloroform

Concen: 105.947 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

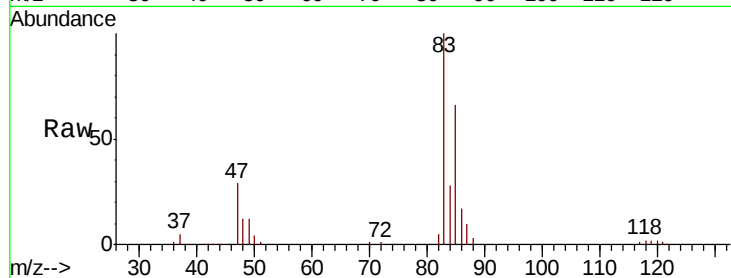
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 257571

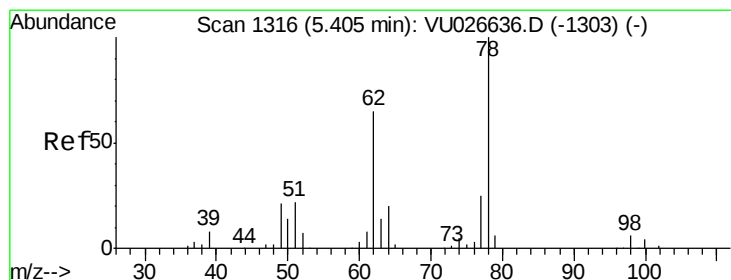
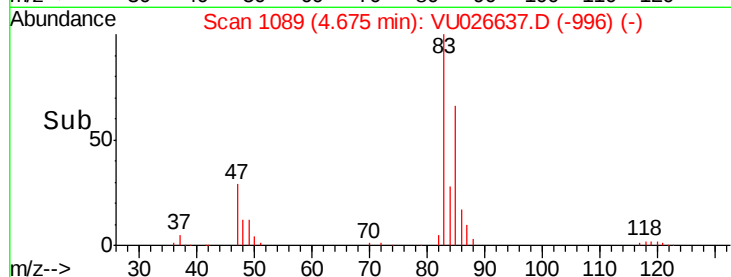
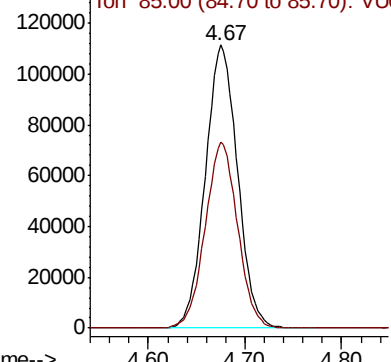
Ion Ratio Lower Upper

83 100

85 65.9 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 107.175 ug/L

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU026637.D

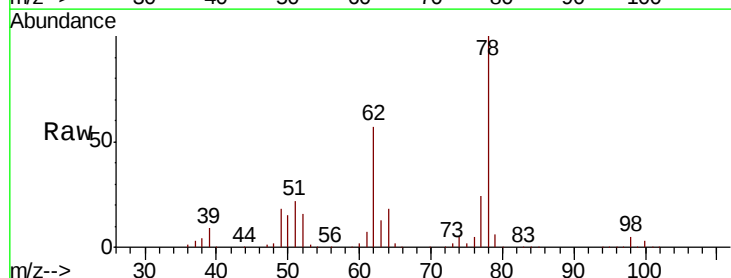
Acq: 10 Sep 2018 09:18

Tgt Ion: 62 Resp: 206897

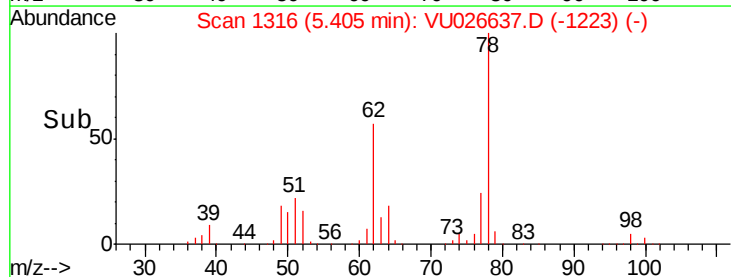
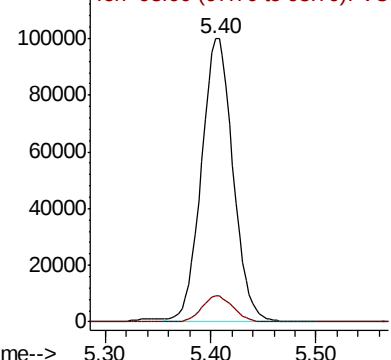
Ion Ratio Lower Upper

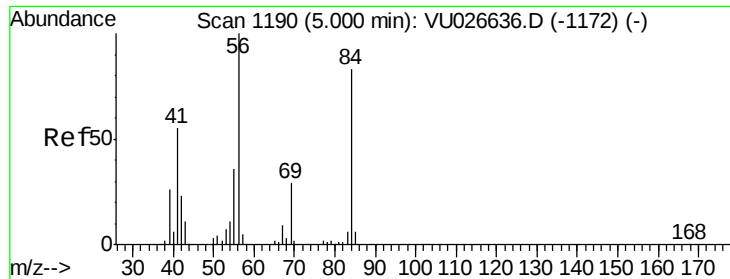
62 100

98 9.2 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

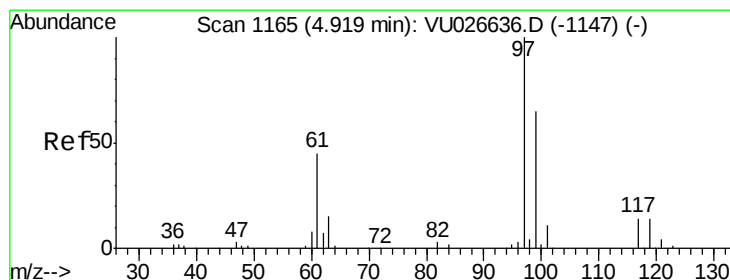
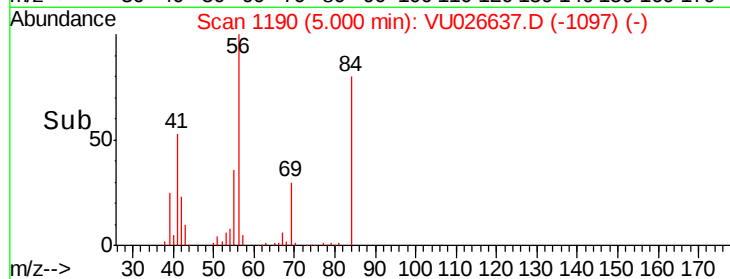
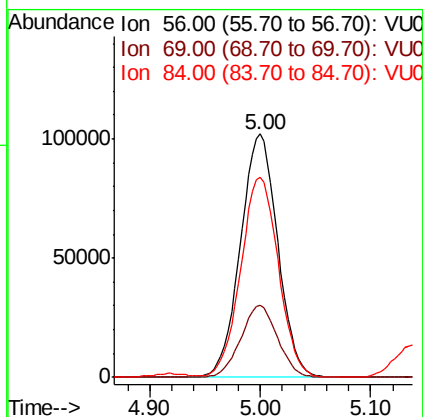
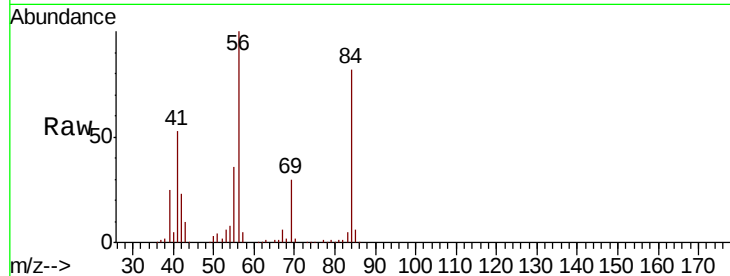




#29
Cyclohexane
Concen: 114.353 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU026637.D
Acq: 10 Sep 2018 09:18

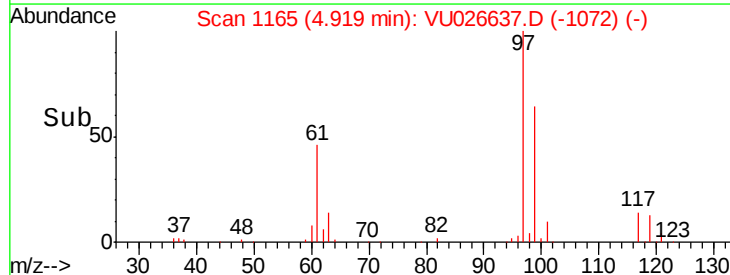
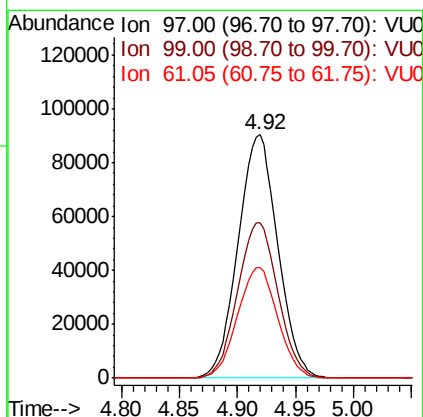
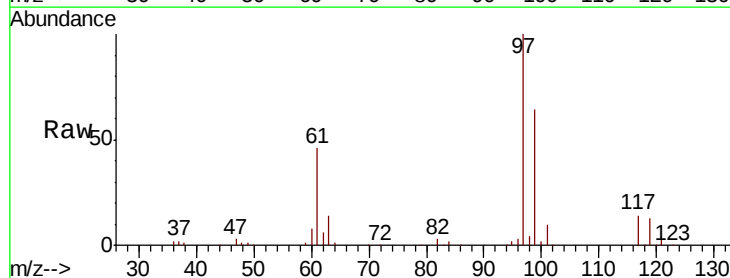
Instrument :
MSVOA_U
ClientSampled :

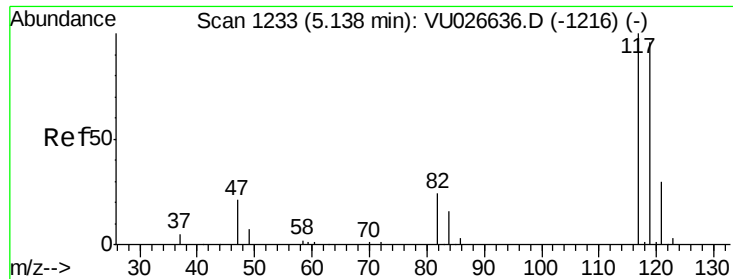
Tot Ion	56	Resp	238665
Ion Ratio	Lower	Upper	
56	100		
69	29.3	23.0	34.6
84	83.4	66.5	99.7



#30
1,1,1-Trichloroethane
Concen: 106.963 ug/L
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU026637.D
Acq: 10 Sep 2018 09:18

Tgt Ion	97	Resp	215905
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.5	77.3
61	45.8	36.2	54.2

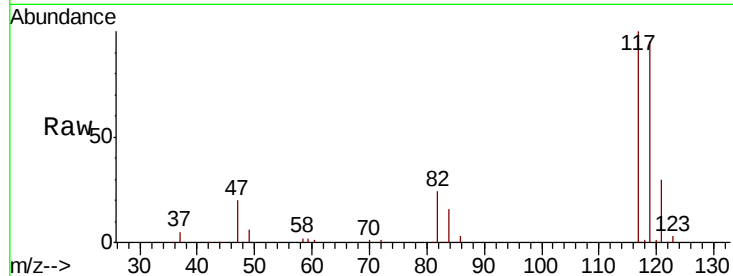




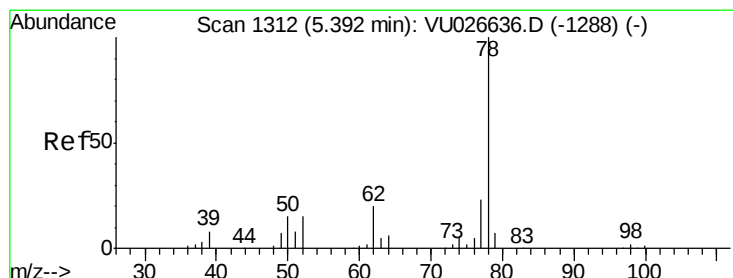
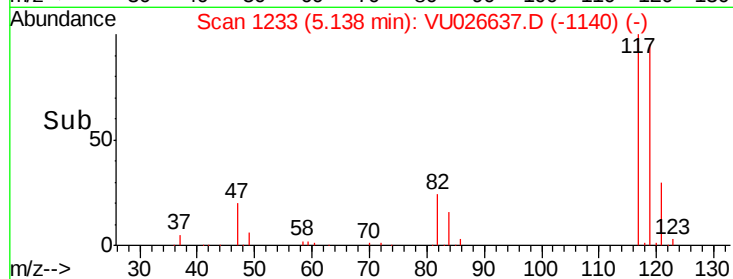
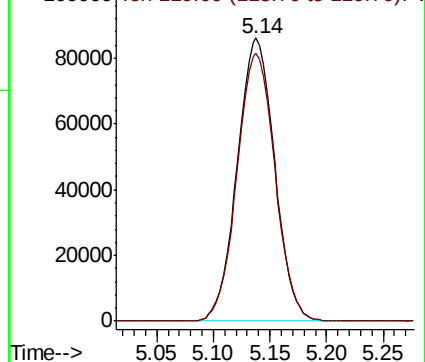
#31
Carbon tetrachloride
Concen: 108.369 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026637.D
Acq: 10 Sep 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 197720
Ion Ratio Lower Upper
117 100
119 96.2 77.6 116.4

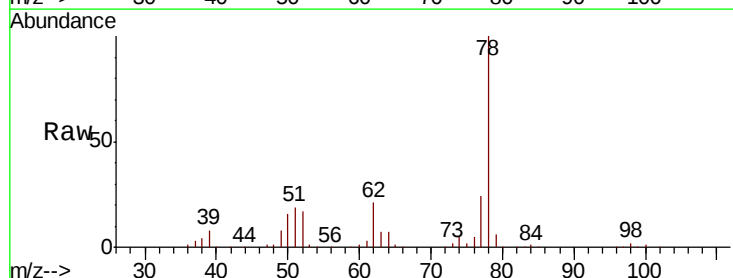


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

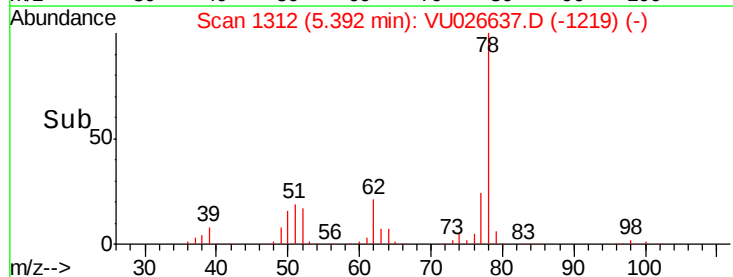
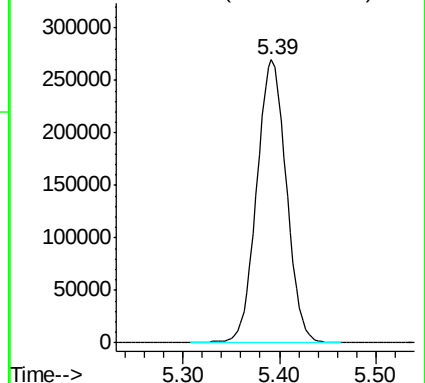


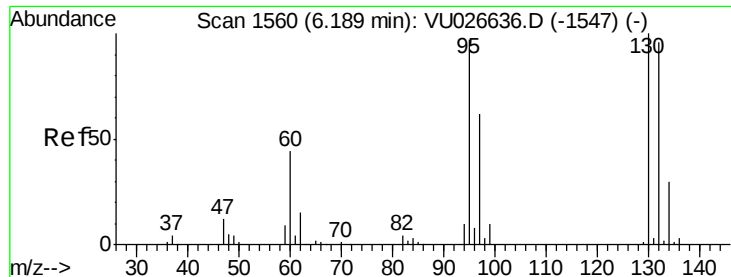
#33
Benzene
Concen: 107.743 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026637.D
Acq: 10 Sep 2018 09:18

Tgt Ion: 78 Resp: 574888



Abundance Ion 78.00 (77.70 to 78.70): VU0

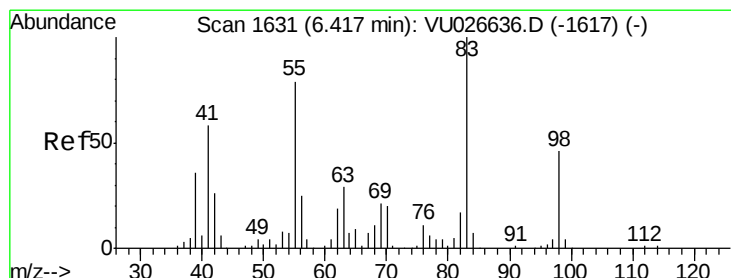
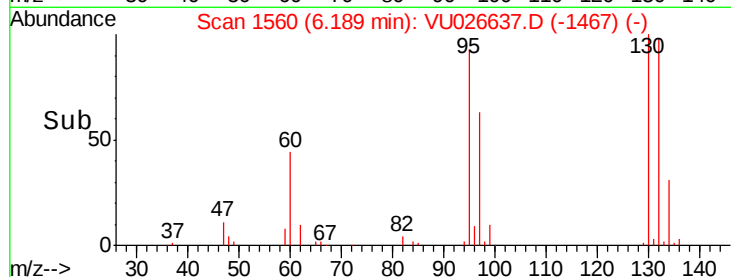
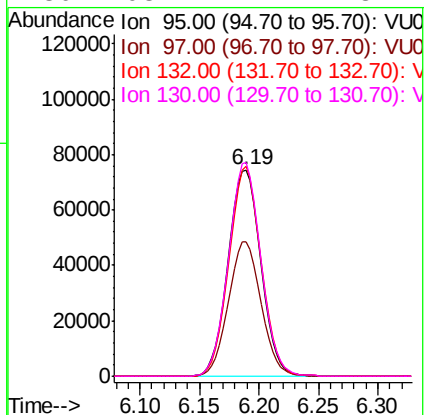
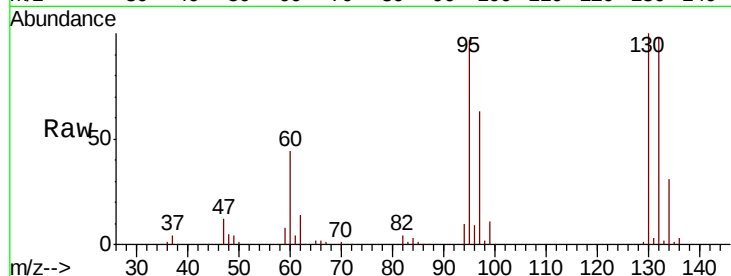




#34
 Trichloroethene
 Concen: 107.800 ug/L
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU026637.D
 Acq: 10 Sep 2018 09:18

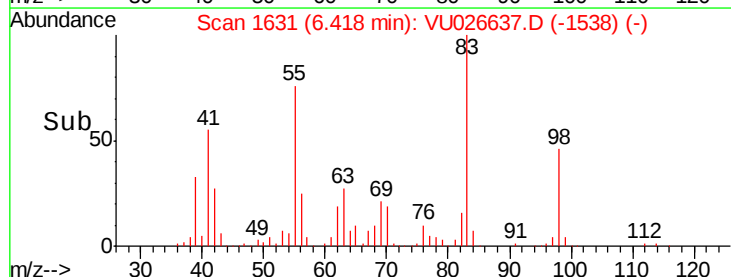
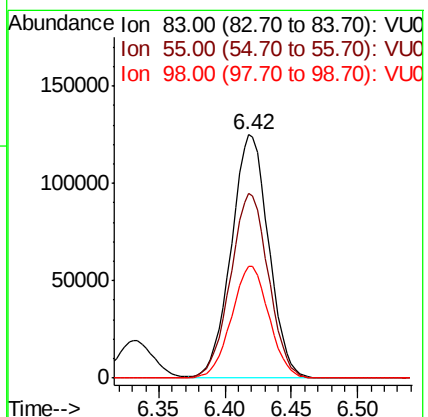
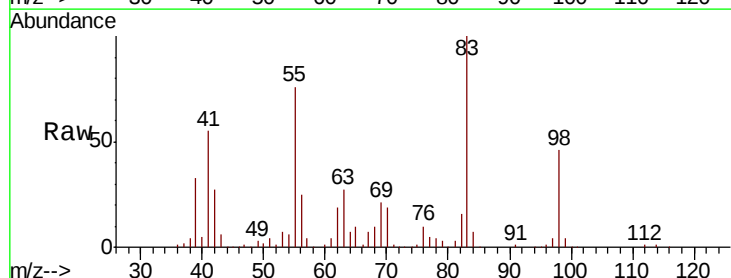
Instrument :
 MSVOA_U
 ClientSampled :

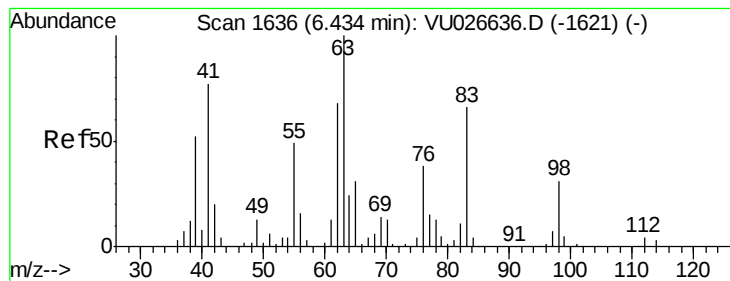
Tot Ion: 95 Resp: 142965
 Ion Ratio Lower Upper
 95 100
 97 65.0 44.9 83.5
 132 101.7 69.7 129.5
 130 103.4 72.4 134.4



#35
 Methylcyclohexane
 Concen: 115.530 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU026637.D
 Acq: 10 Sep 2018 09:18

Tgt Ion: 83 Resp: 245254
 Ion Ratio Lower Upper
 83 100
 55 77.1 62.9 94.3
 98 46.2 37.0 55.4





#37

1,2-Dichloropropane

Concen: 109.115 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

Instrument :

MSVOA_U

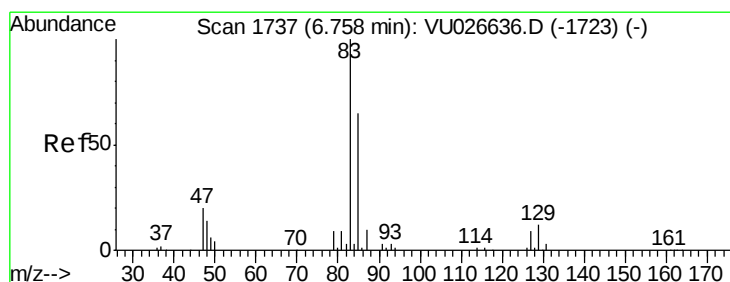
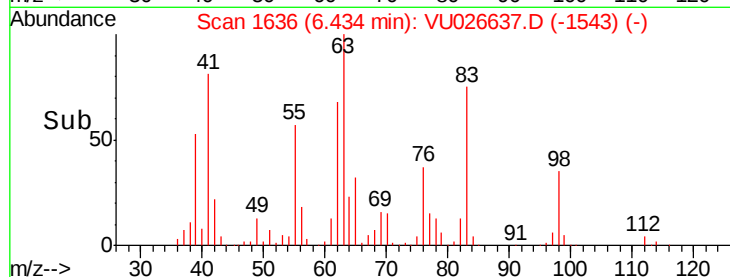
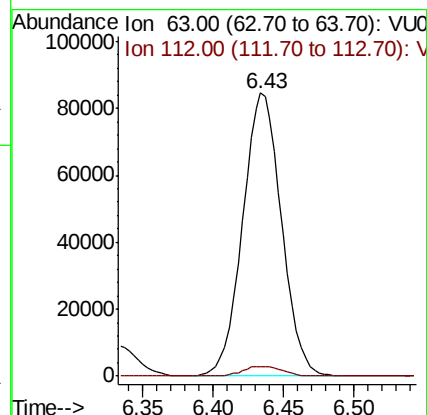
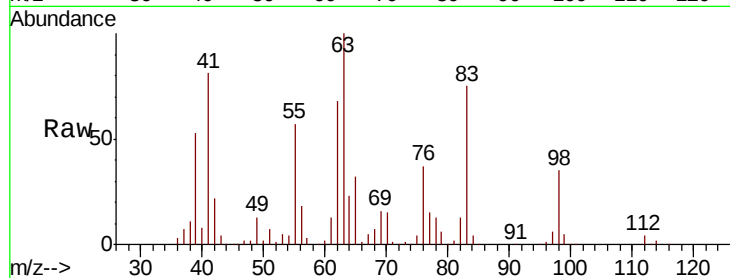
ClientSampleId :

Tot Ion: 63 Resp: 162646

Ion Ratio Lower Upper

63 100

112 3.6 2.9 4.3



#38

Bromodichloromethane

Concen: 108.076 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

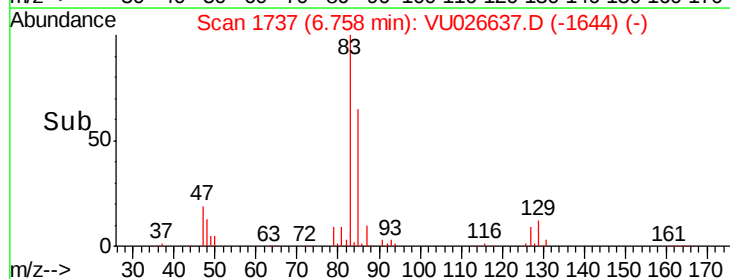
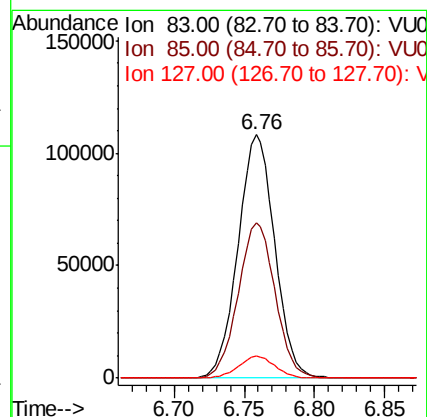
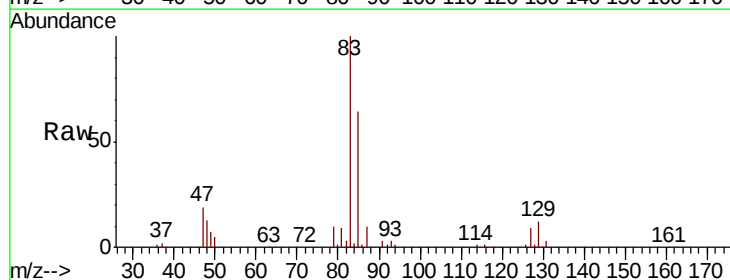
Tgt Ion: 83 Resp: 197424

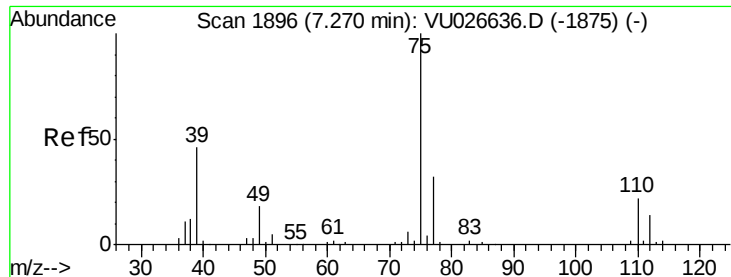
Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.9

127 8.9 7.2 10.8

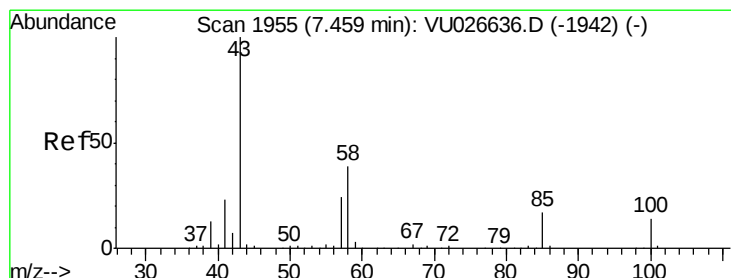
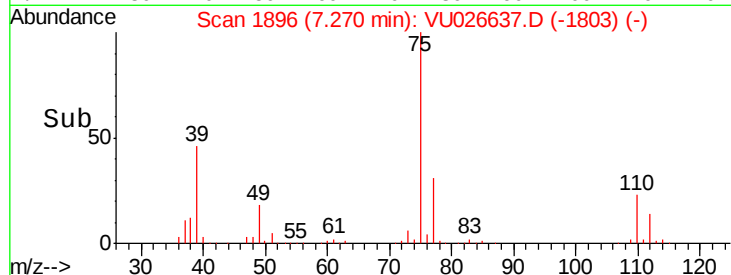
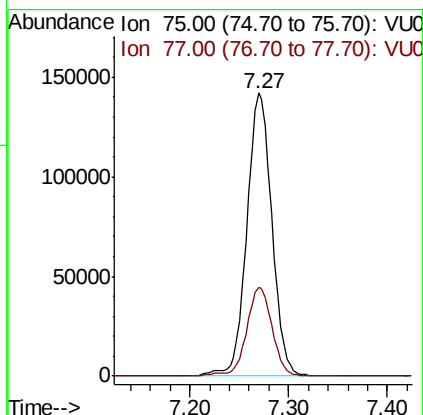
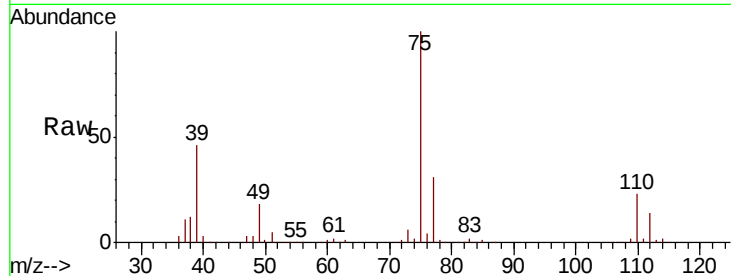




#39
 cis-1,3-Dichloropropene
 Concen: 112.634 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU026637.D
 Acq: 10 Sep 2018 09:18

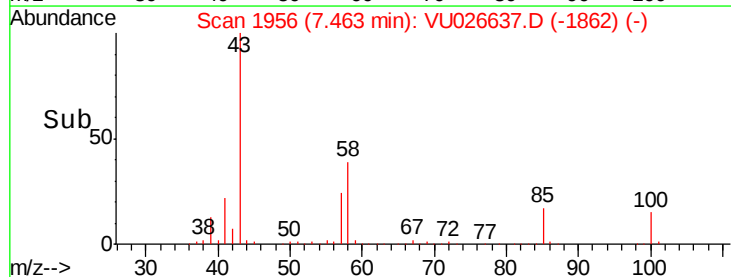
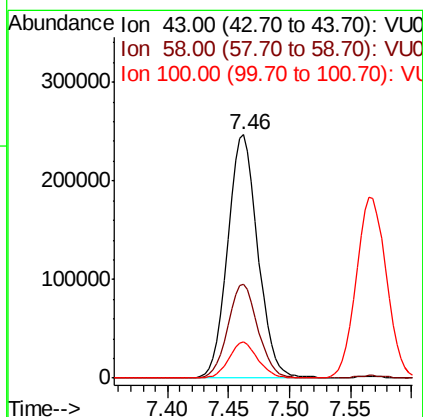
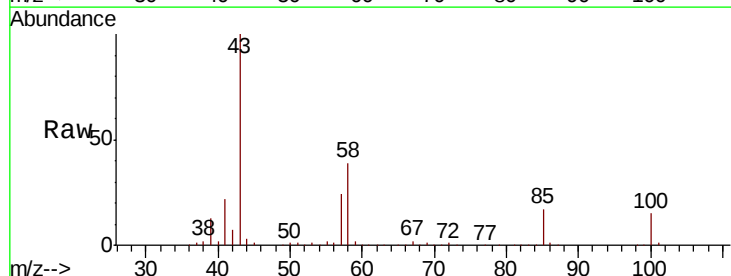
Instrument :
 MSVOA_U
 ClientSampleId :

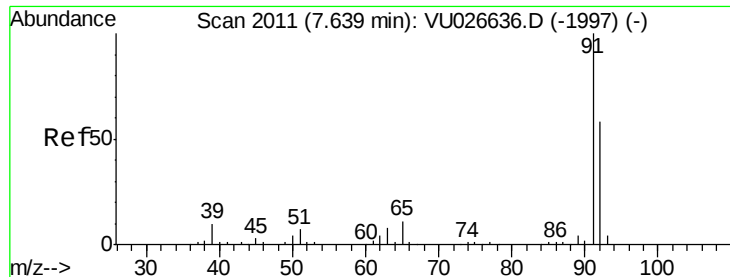
Tot Ion: 75 Resp: 248440
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 224.801 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU026637.D
 Acq: 10 Sep 2018 09:18

Tgt Ion: 43 Resp: 427437
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.1 46.7
 100 14.2 11.3 16.9





#42

Toluene

Concen: 110.667 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

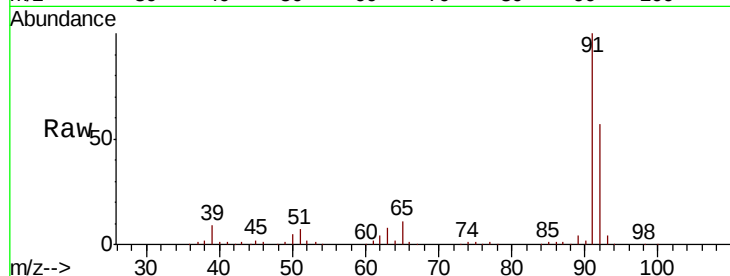
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 612030

Ion Ratio Lower Upper

91 100

92 57.2 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

400000

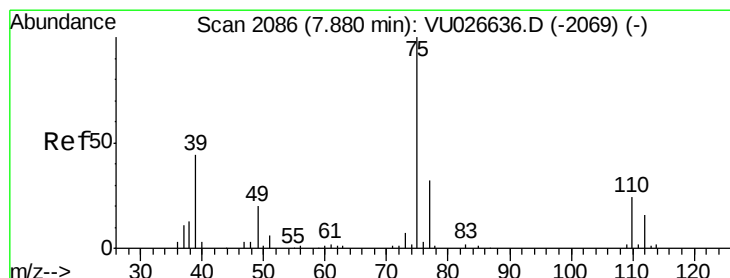
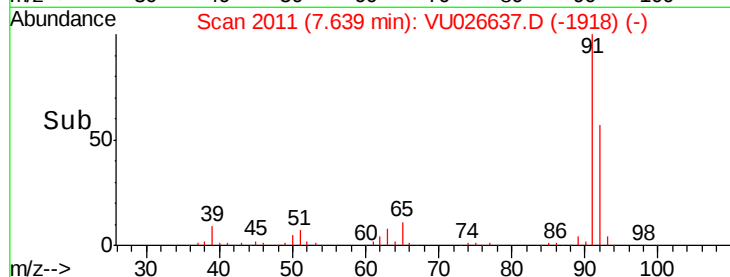
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 112.405 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU026637.D

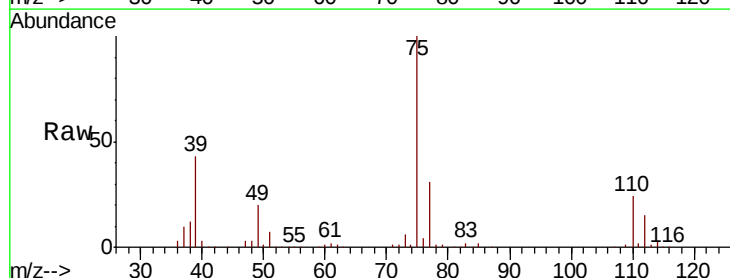
Acq: 10 Sep 2018 09:18

Tgt Ion: 75 Resp: 230657

Ion Ratio Lower Upper

75 100

77 31.2 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

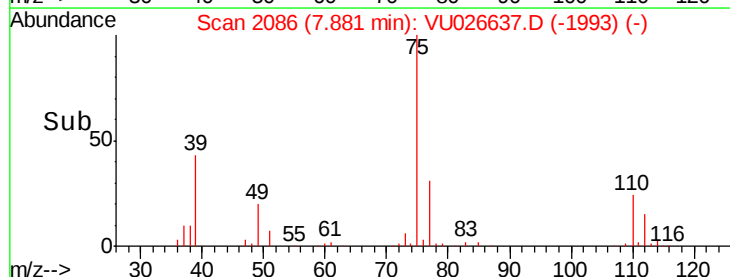
150000

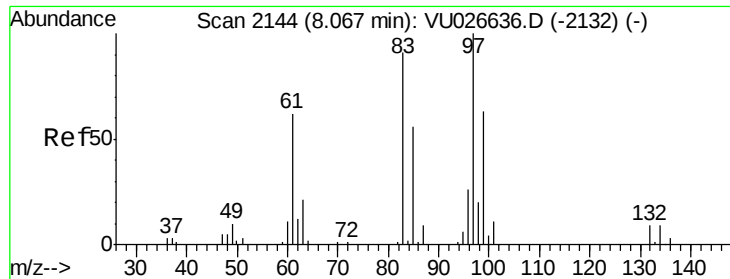
100000

50000

0

Time-->

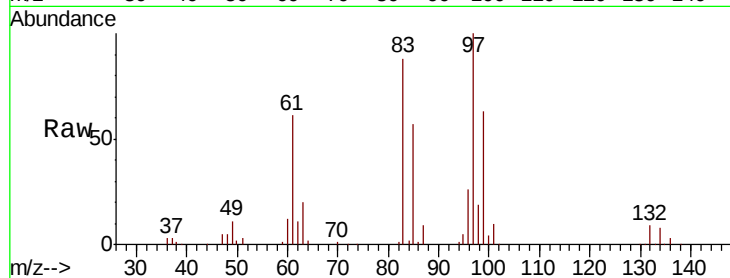




#45
1,1,2-Trichloroethane
Concen: 107.706 ug/L
RT: 8.07 min Scan# 2144
Delta R.T. 0.00 min
Lab File: VU026637.D
Acq: 10 Sep 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	142409
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.2	82.2
83	88.3	63.8	118.6
85	56.6	39.4	73.2



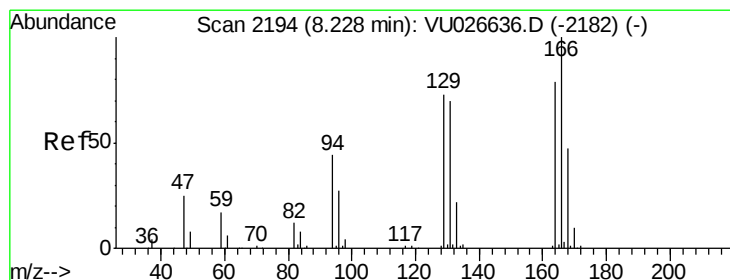
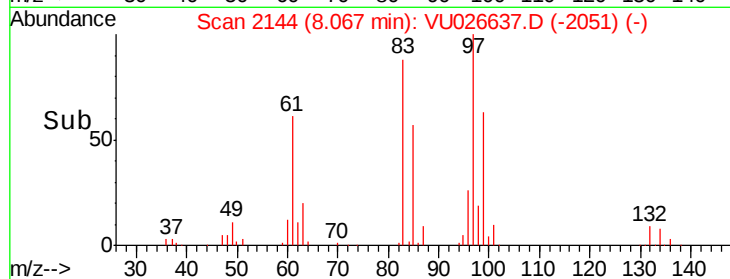
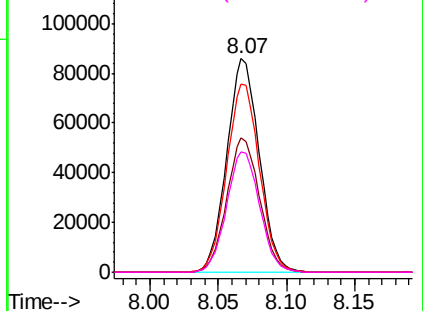
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

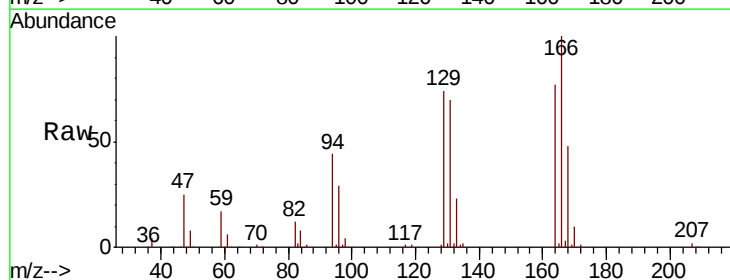
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
Tetrachloroethene
Concen: 107.343 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026637.D
Acq: 10 Sep 2018 09:18

Tgt Ion:	164	Resp:	119643
Ion	Ratio	Lower	Upper
164	100		
129	96.2	65.0	120.8
131	90.8	62.5	116.1
166	129.8	89.0	165.2



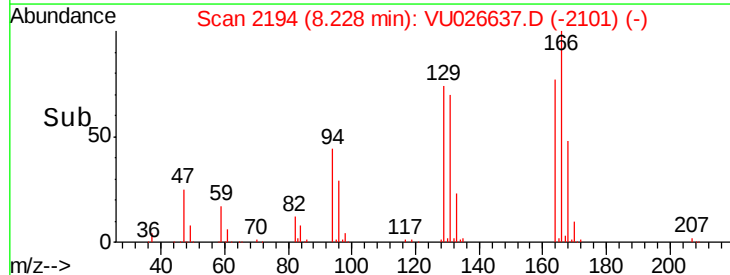
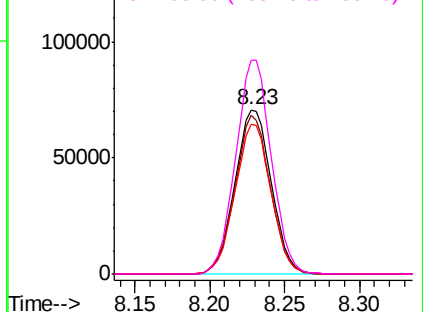
Abundance

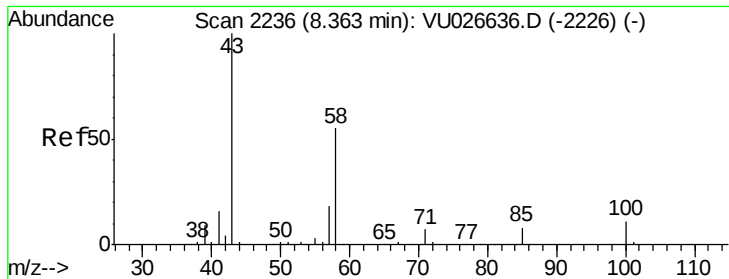
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

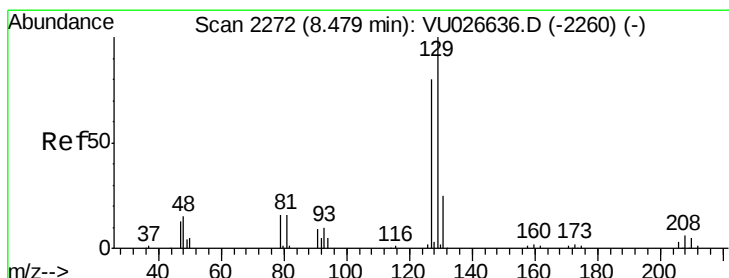
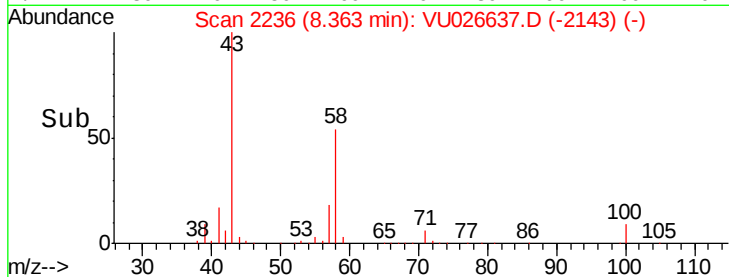
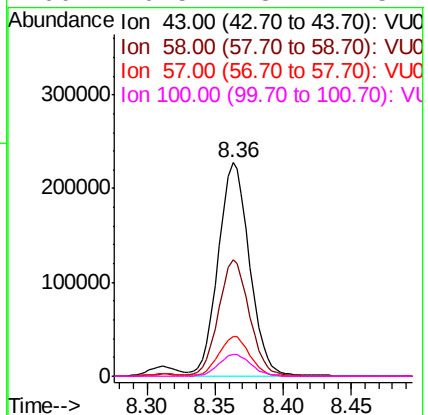
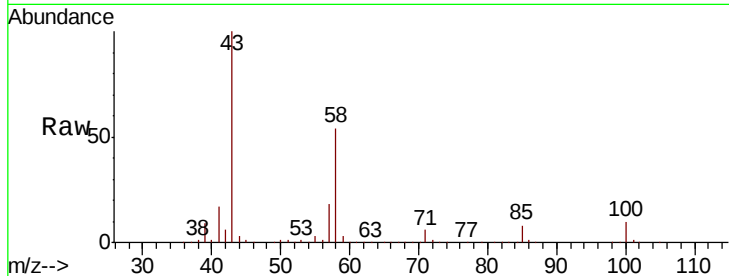




#48
2-Hexanone
Concen: 226.434 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026637.D
Acq: 10 Sep 2018 09:18

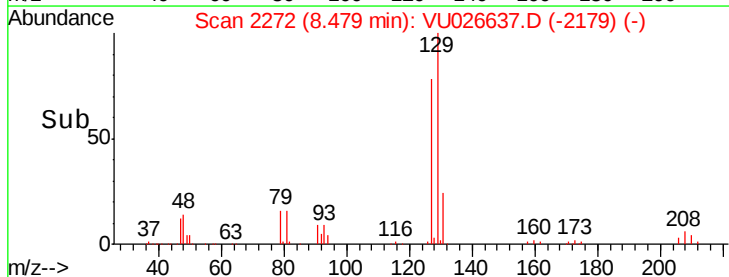
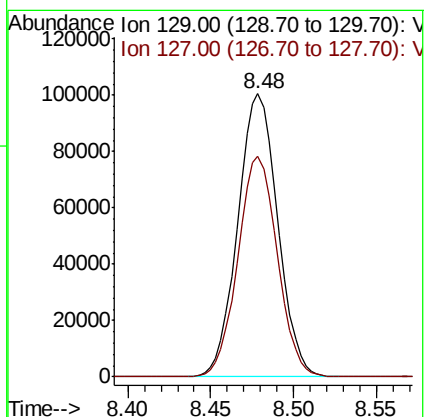
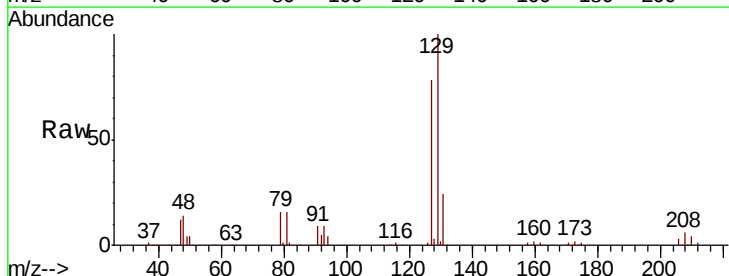
Instrument :
MSVOA_U
ClientSampleId :

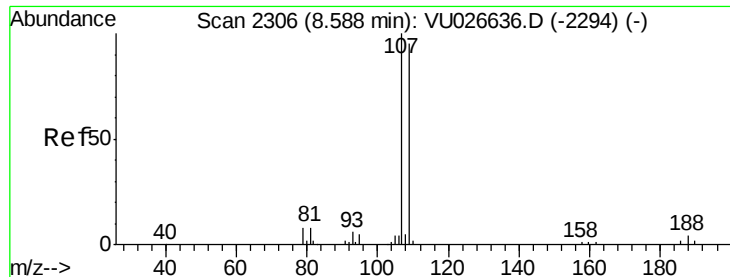
Tot Ion: 43 Resp: 363498
Ion Ratio Lower Upper
43 100
58 54.0 42.2 63.4
57 18.6 14.4 21.6
100 10.5 8.7 13.1



#49
Dibromochloromethane
Concen: 110.264 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026637.D
Acq: 10 Sep 2018 09:18

Tgt Ion: 129 Resp: 168514
Ion Ratio Lower Upper
129 100
127 78.0 55.8 103.6

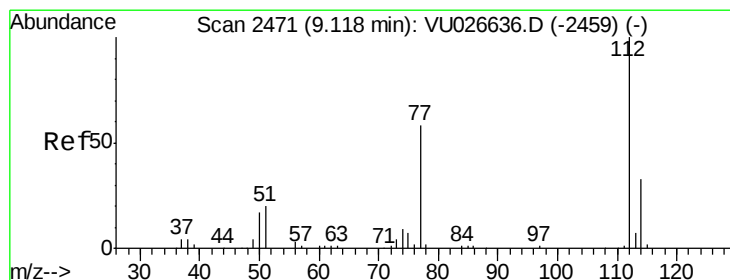
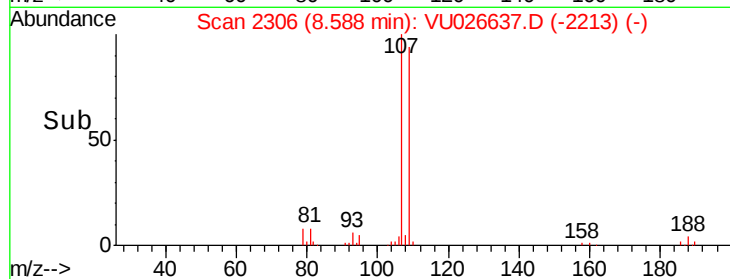
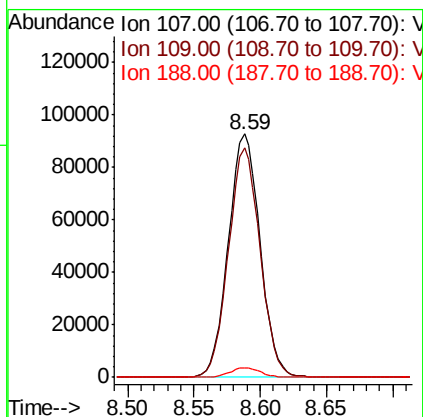
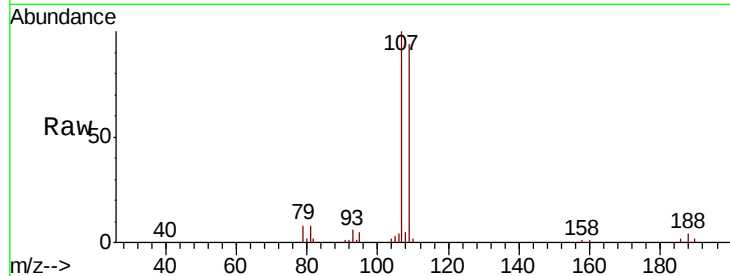




#50
1,2-Dibromoethane
Concen: 109.045 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU026637.D
Acq: 10 Sep 2018 09:18

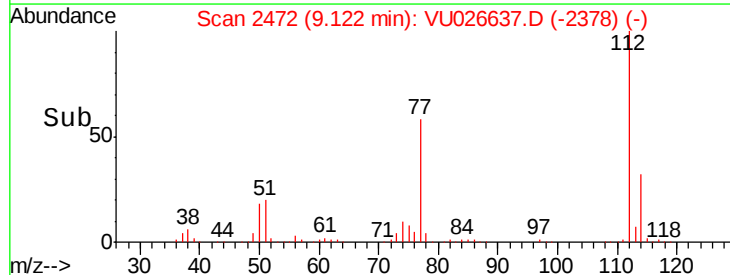
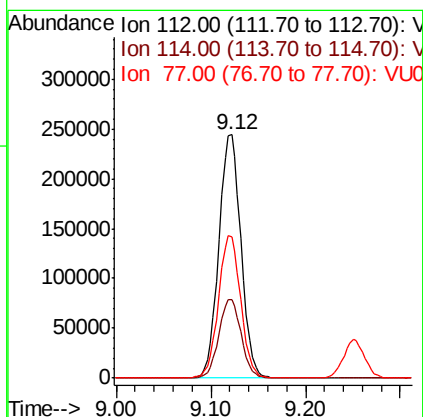
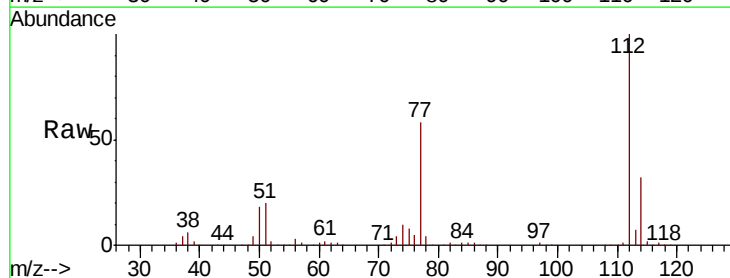
Instrument :
MSVOA_U
ClientSampleId :

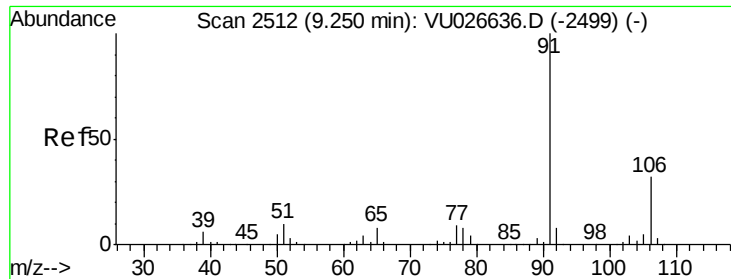
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	66.4	123.4
188	3.9	3.0	4.4



#51
Chlorobenzene
Concen: 109.230 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026637.D
Acq: 10 Sep 2018 09:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.9	42.5
77	57.8	47.2	70.8





#52

Ethylbenzene

Concen: 113.372 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

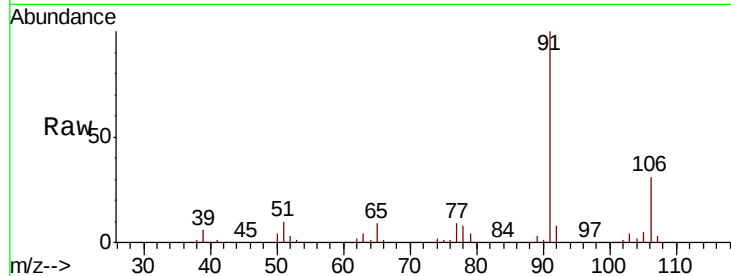
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 678073

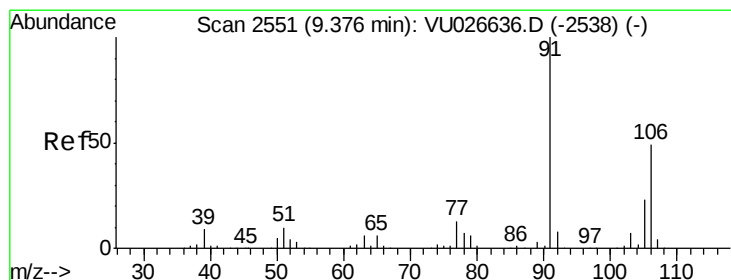
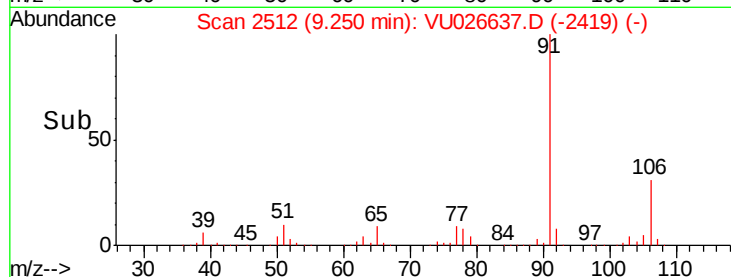
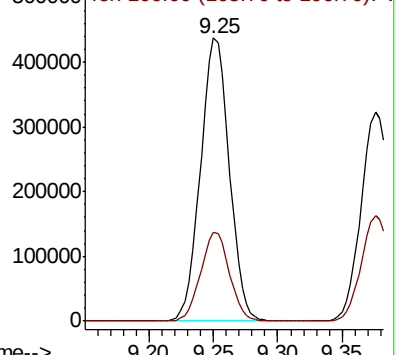
Ion Ratio Lower Upper

91 100

106 31.4 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU026637.D (-2499) (-)



#53

m,p-Xylene

Concen: 115.428 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026637.D

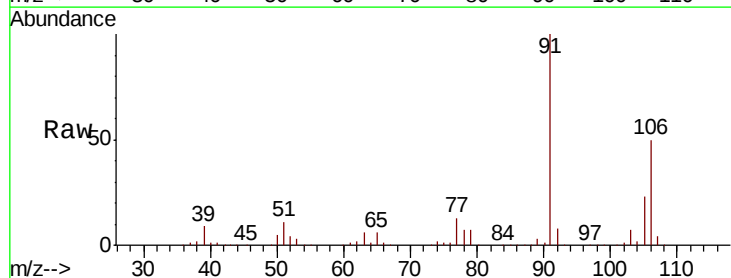
Acq: 10 Sep 2018 09:18

Tgt Ion: 106 Resp: 260311

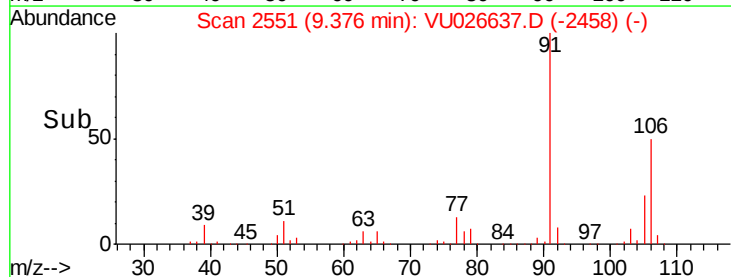
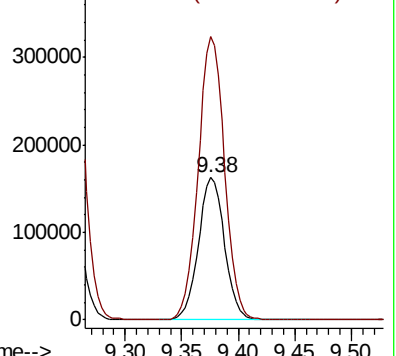
Ion Ratio Lower Upper

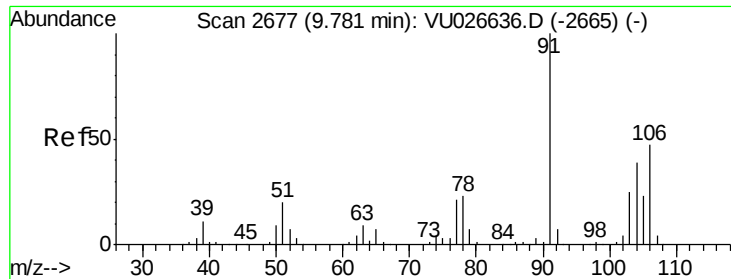
106 100

91 199.3 142.9 265.5



Abundance Ion 106.00 (105.70 to 106.70): VU026637.D (-2538) (-)

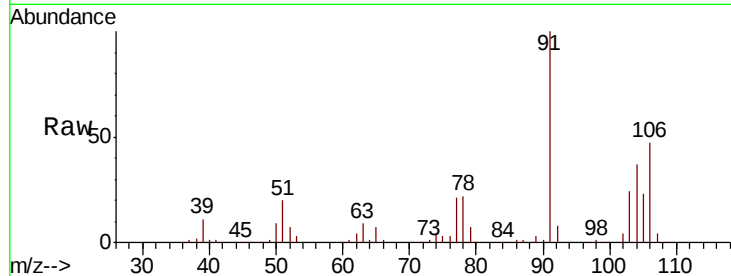




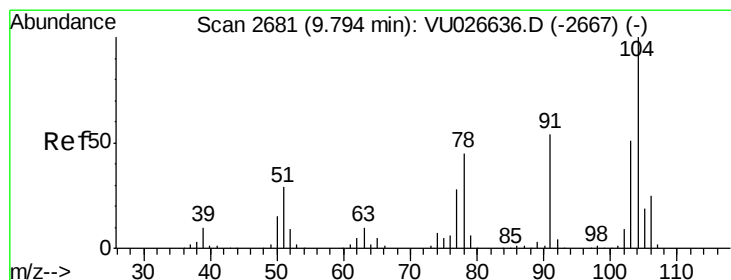
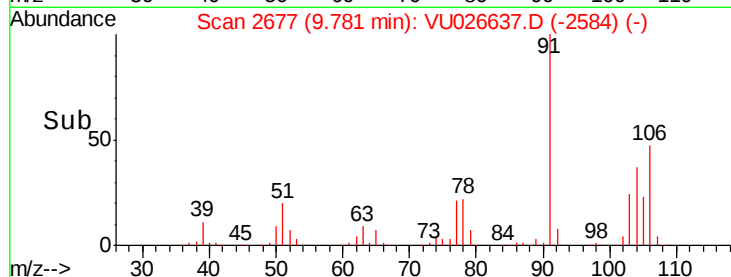
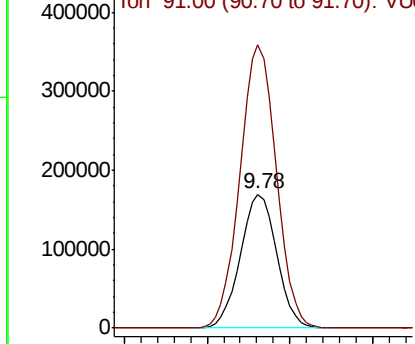
#54
o-xylene
Concen: 115.326 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026637.D
Acq: 10 Sep 2018 09:18

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 258122
Ion Ratio Lower Upper
106 100
91 211.6 149.4 277.4

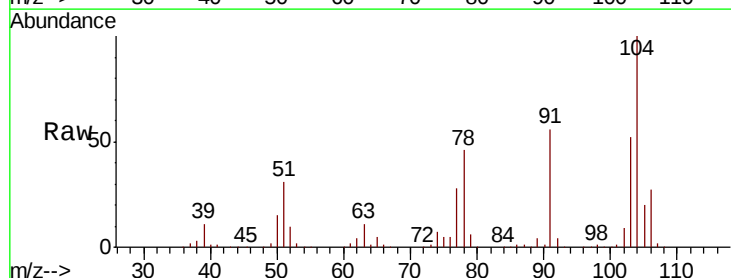


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

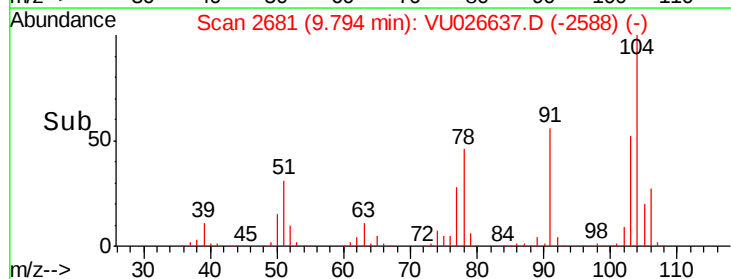
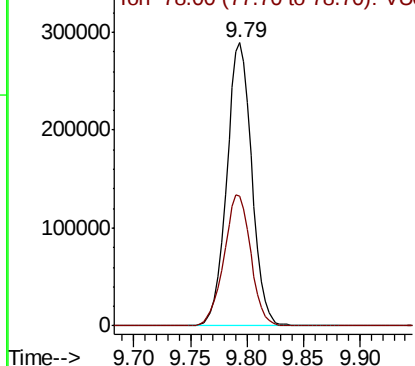


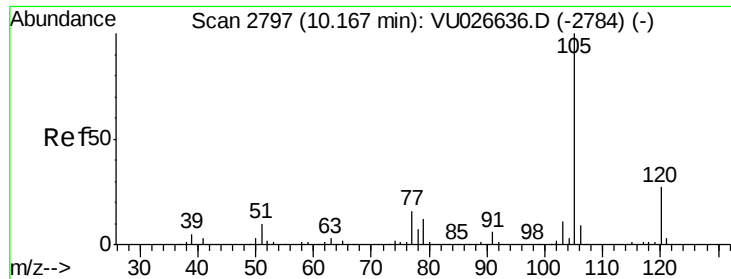
#55
Styrene
Concen: 117.298 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026637.D
Acq: 10 Sep 2018 09:18

Tgt Ion:104 Resp: 444099
Ion Ratio Lower Upper
104 100
78 46.0 31.7 58.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 117.800 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

Instrument :

MSVOA_U

ClientSampled :

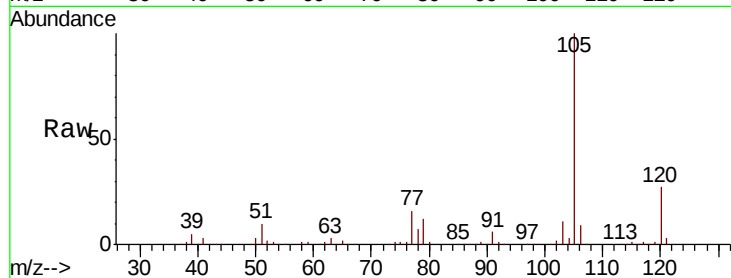
Tot Ion:105 Resp: 671645

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

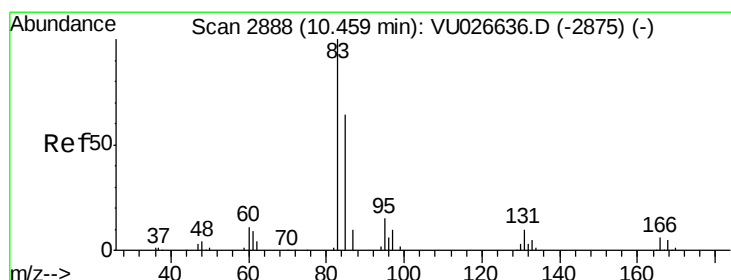
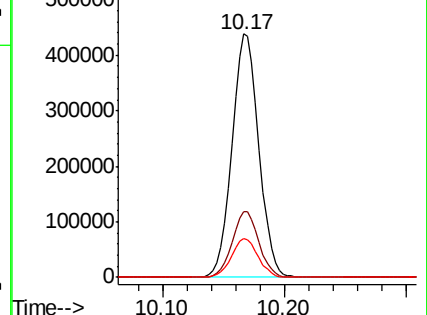
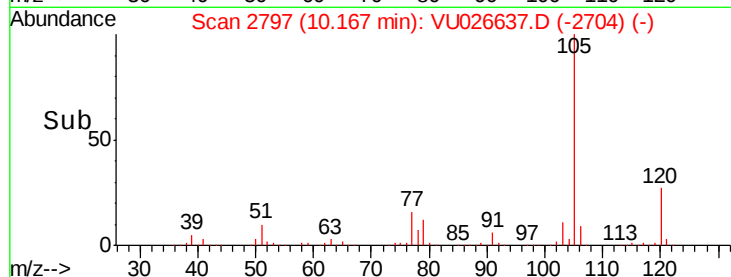
77 15.8 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 108.831 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

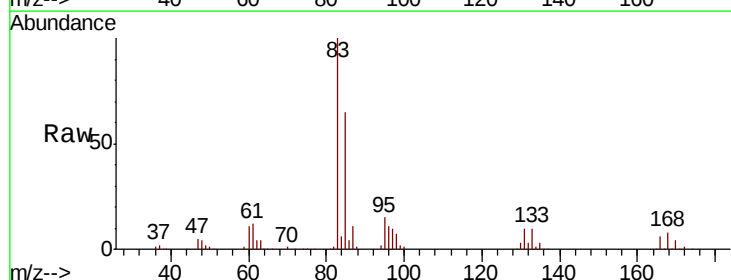
Tgt Ion: 83 Resp: 249283

Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.2

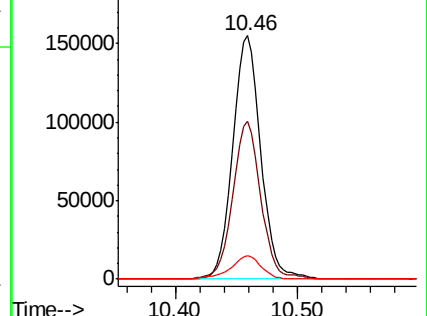
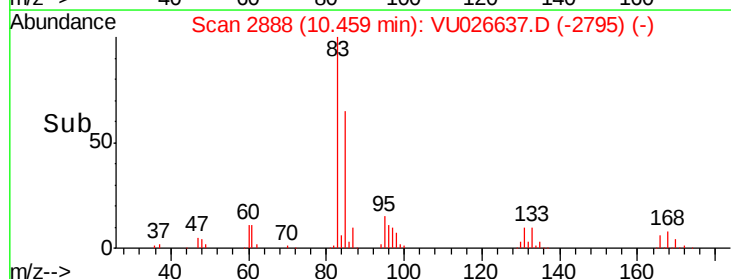
131 9.7 8.0 12.0

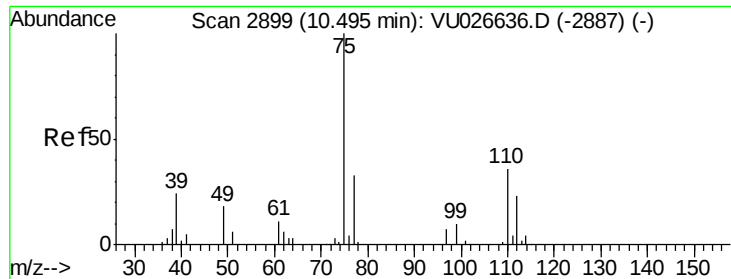


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

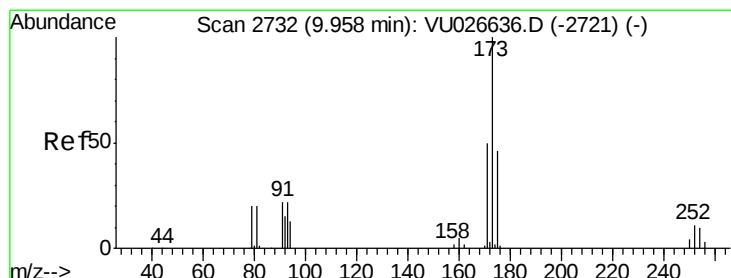
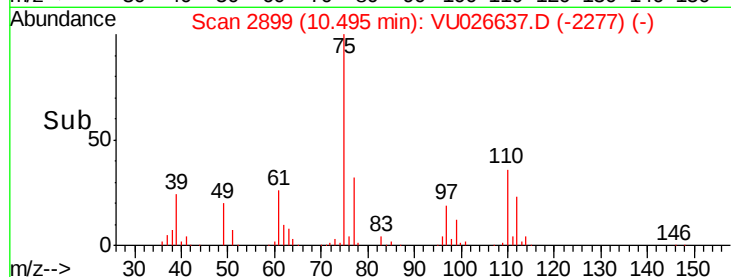
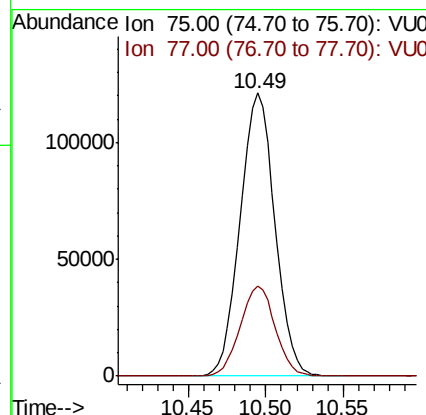
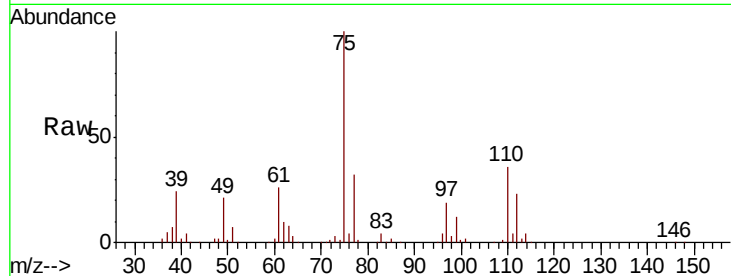




#59
 1,2,3-Trichloropropane
 Concen: 107.177 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU026637.D
 Acq: 10 Sep 2018 09:18

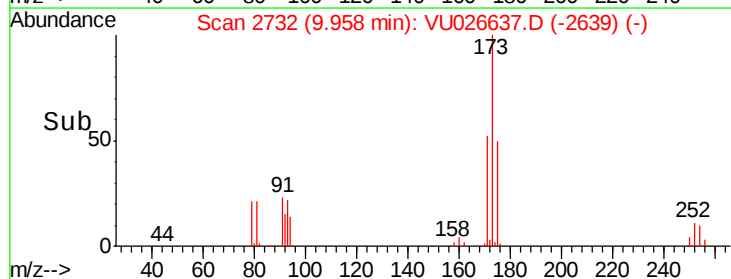
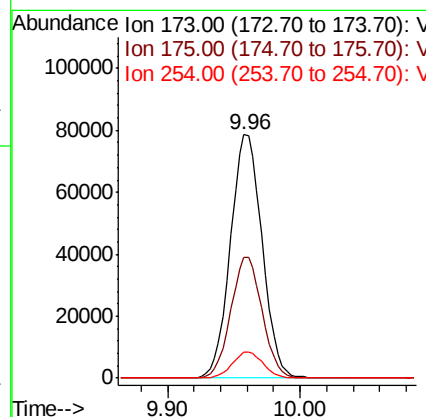
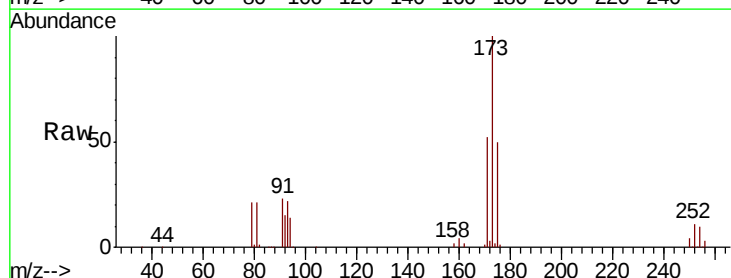
Instrument :
 MSVOA_U
 ClientSampleId :

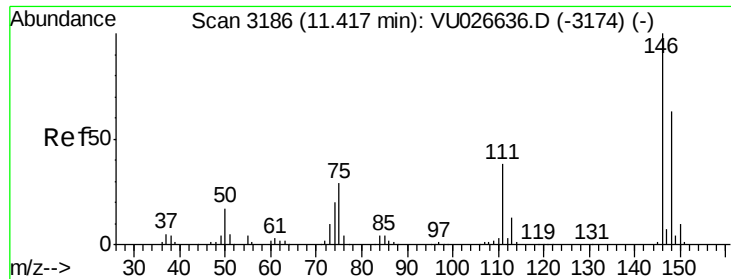
Tot Ion: 75 Resp: 189025
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.6



#61
 Bromoform
 Concen: 103.069 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VU026637.D
 Acq: 10 Sep 2018 09:18

Tgt Ion: 173 Resp: 130278
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.2 57.4
 254 10.4 8.2 12.4

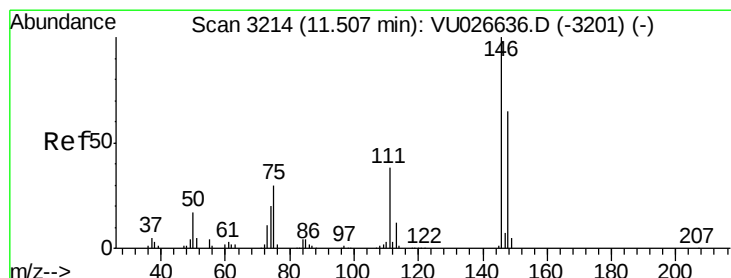
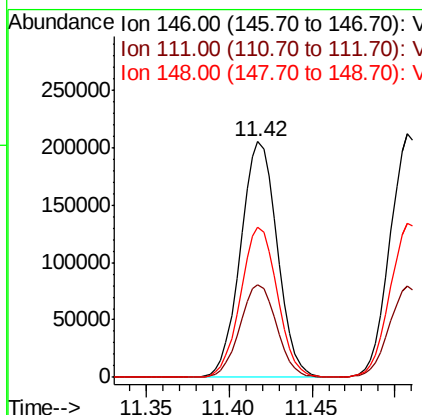
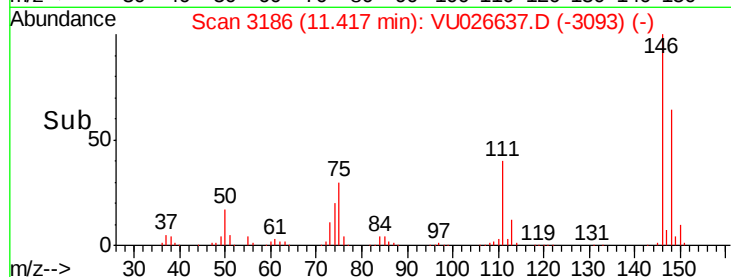
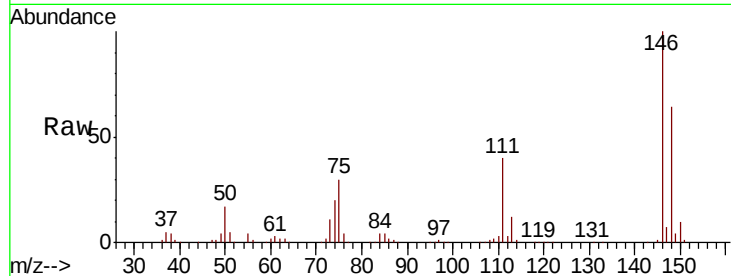




#62
 1,3-Dichlorobenzene
 Concen: 107.464 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026637.D
 Acq: 10 Sep 2018 09:18

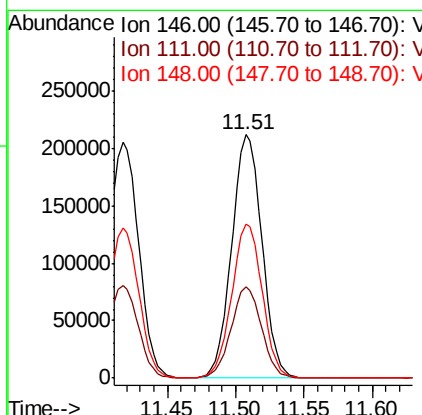
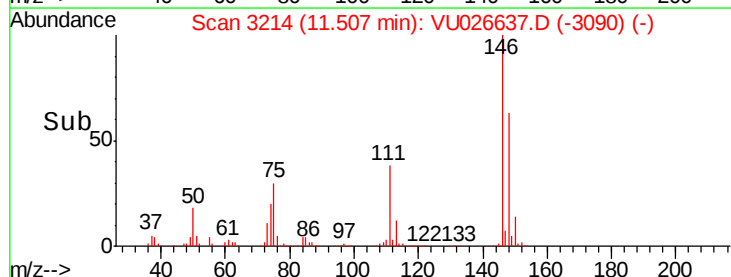
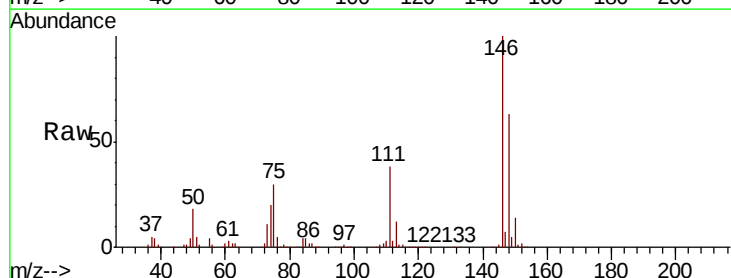
Instrument :
 MSVOA_U
 ClientSampleId :

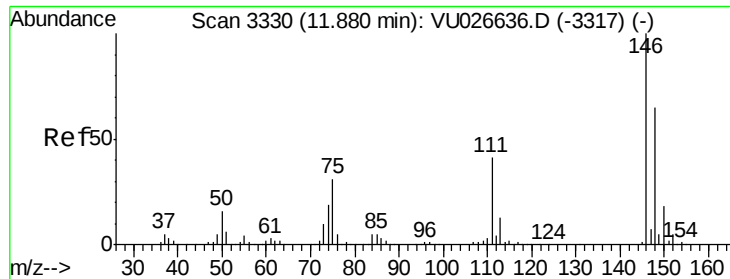
Tot Ion:146 Resp: 316613
 Ion Ratio Lower Upper
 146 100
 111 39.5 26.7 49.5
 148 63.9 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 104.367 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026637.D
 Acq: 10 Sep 2018 09:18

Tgt Ion:146 Resp: 325741
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.5 49.3
 148 63.4 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 106.459 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

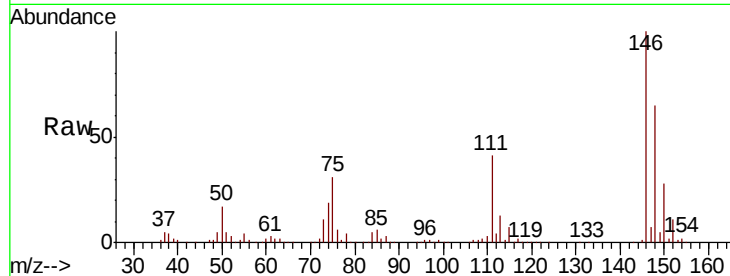
Tot Ion:146 Resp: 331491

Ion Ratio Lower Upper

146 100

111 40.6 32.8 49.2

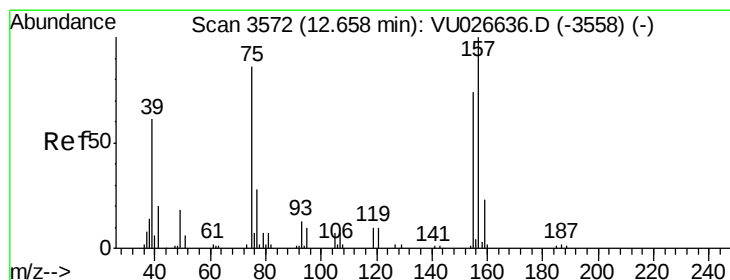
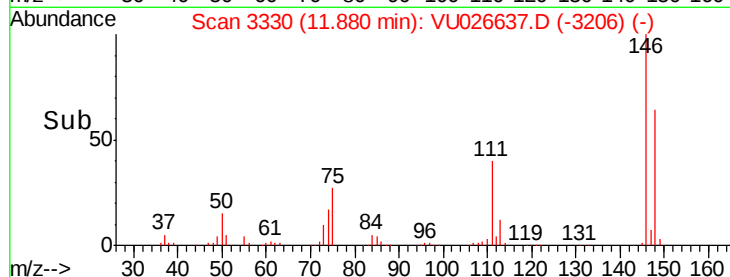
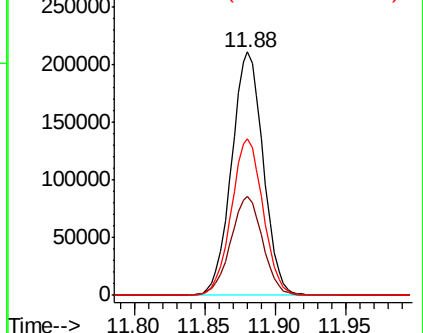
148 64.5 52.2 78.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 105.778 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

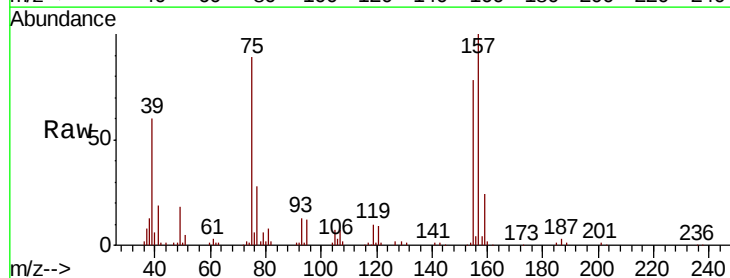
Tgt Ion: 75 Resp: 53211

Ion Ratio Lower Upper

75 100

155 87.7 69.3 103.9

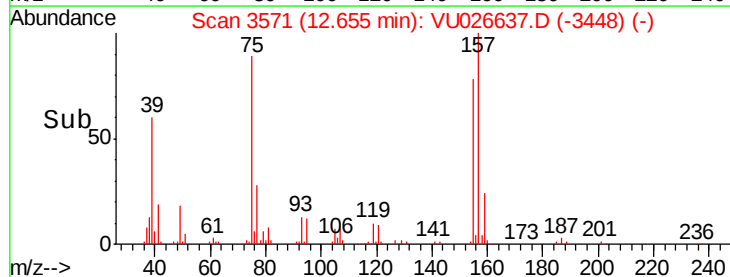
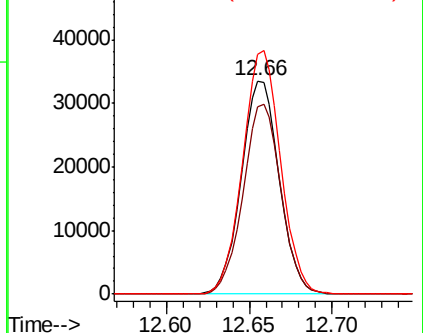
157 112.3 93.4 140.0

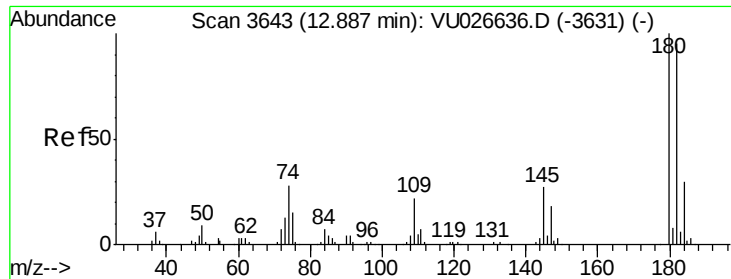


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

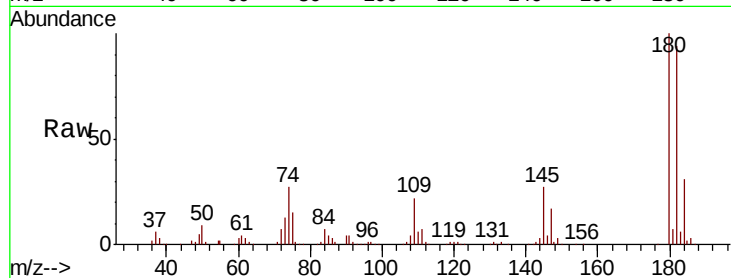




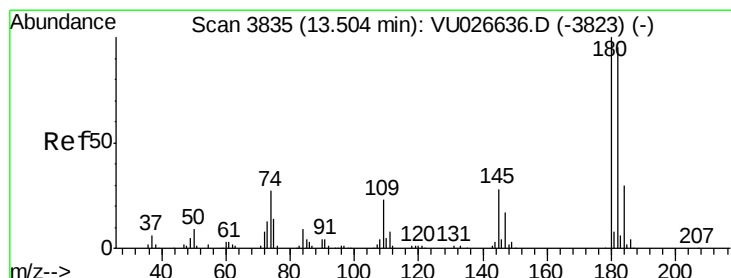
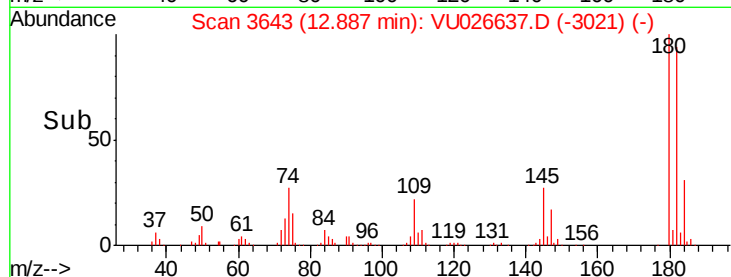
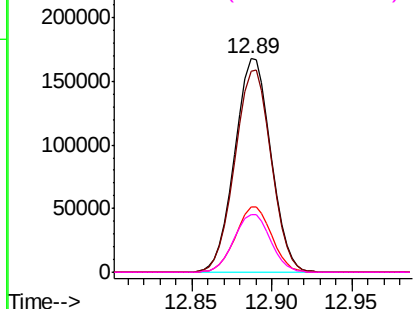
#67
 1,3,5-Trichlorobenzene
 Concen: 110.585 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU026637.D
 Acq: 10 Sep 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	258435
Ion Ratio	Lower	Upper
180	100	
182	95.2	76.8 115.2
184	30.6	24.2 36.2
145	27.4	21.4 32.2

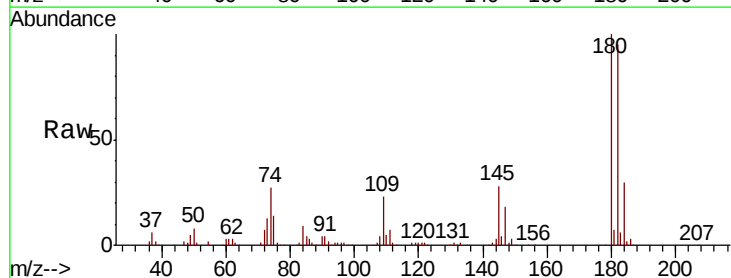


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

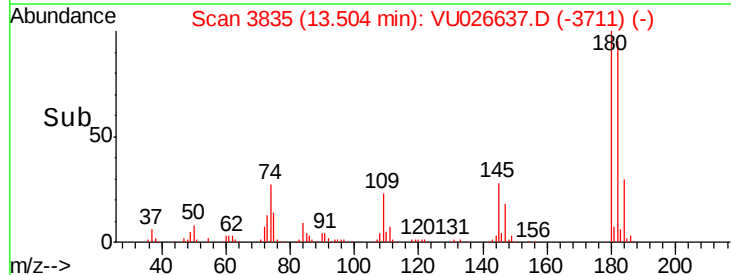
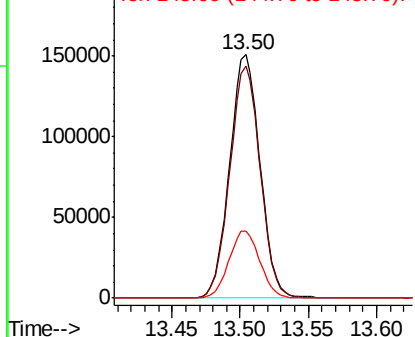


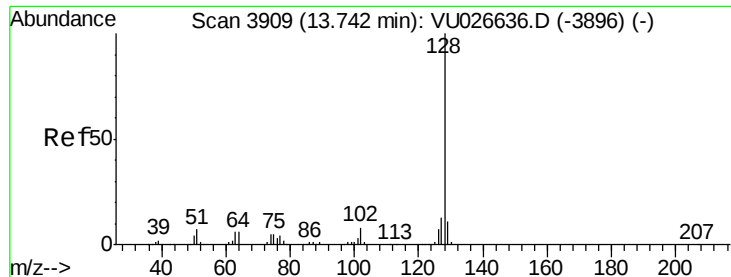
#68
 1,2,4-trichlorobenzene
 Concen: 115.090 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026637.D
 Acq: 10 Sep 2018 09:18

Tgt Ion:180	Resp:	233773
Ion Ratio	Lower	Upper
180	100	
182	95.1	76.0 114.0
145	27.9	23.4 35.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 118.659 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

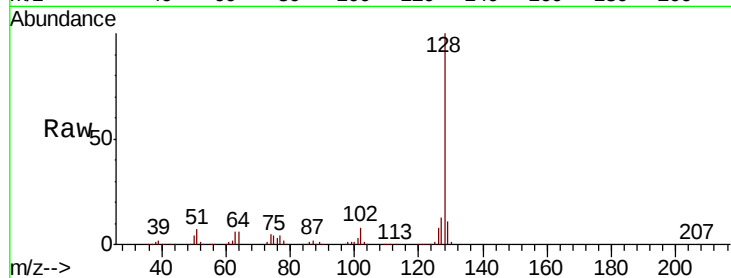
Tot Ion:128 Resp: 738566

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

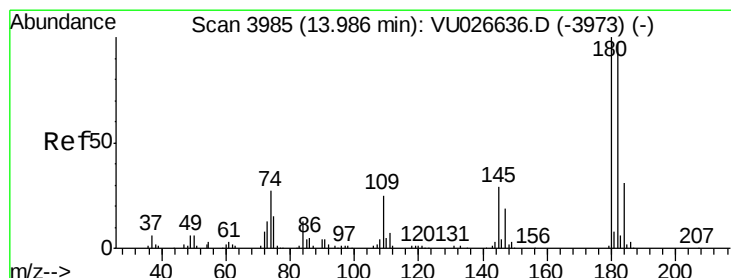
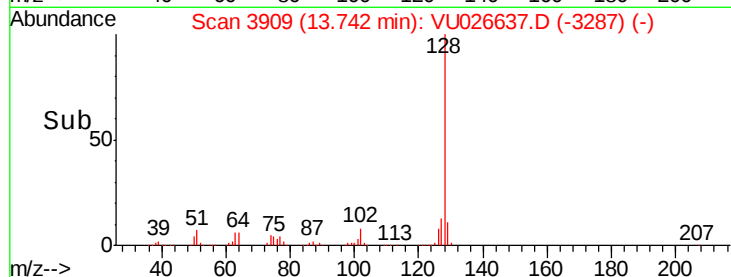
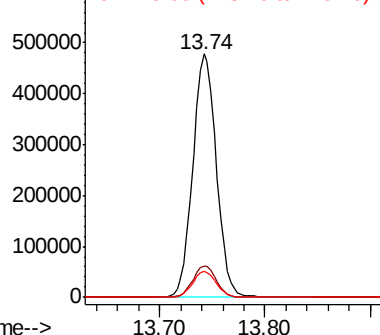
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 111.932 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU026637.D

Acq: 10 Sep 2018 09:18

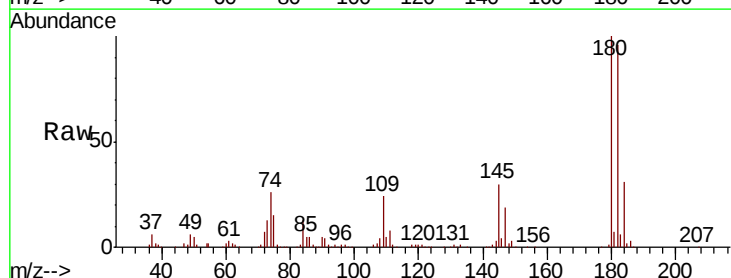
Tgt Ion:180 Resp: 246277

Ion Ratio Lower Upper

180 100

182 95.2 76.7 115.1

145 29.9 23.0 34.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

