

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025937.D
 Acq On : 07 Aug 2018 12:24
 Operator : MD/SY
 Sample : VSTD20044
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 08 01:28:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 01:25:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	390006	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	373167	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	217814	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	446335	206.52	ug/L	0.00
7) Chloroethane-d5	1.66	69	322287	198.85	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.27	63	857766	204.93	ug/L	0.00
21) 2-Butanone-d5	4.18	46	645752	434.24	ug/L	0.00
24) Chloroform-d	4.65	84	865303	206.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	553980	200.60	ug/L	0.00
32) Benzene-d6	5.35	84	1695740	206.15	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	528294	206.58	ug/L	0.00
41) Toluene-d8	7.57	98	1662683	208.33	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	292224	217.91	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	501869	471.58	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	777067	219.34	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	731521	203.29	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	585652	197.409	ug/L	100
3) Chloromethane	1.33	50	507044	203.136	ug/L	100
5) Vinyl chloride	1.40	62	547314	203.305	ug/L	99
6) Bromomethane	1.61	94	249696	209.437	ug/L	99
8) Chloroethane	1.68	64	305933	196.258	ug/L	99
9) Trichlorofluoromethane	1.88	101	770835	198.758	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	444247	207.236	ug/L	100
12) 1,1-Dichloroethene	2.28	96	415278	210.951	ug/L	98
13) Acetone	2.32	43	585075	332.365	ug/L	100
14) Carbon disulfide	2.47	76	1419519	202.391	ug/L	99
15) Methyl Acetate	2.62	43	542205	201.713	ug/L	99
16) Methylene chloride	2.70	84	509736	198.693	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	483421	199.151	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	1579090	204.610	ug/L	99
19) 1,1-Dichloroethane	3.45	63	883794	200.745	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	549704	202.692	ug/L	97
22) 2-Butanone	4.27	43	826795	375.672	ug/L	99
23) Bromochloromethane	4.55	128	287476	201.895	ug/L	98
25) Chloroform	4.68	83	930268	199.456	ug/L	99
27) 1,2-Dichloroethane	5.41	62	740750	199.171	ug/L	99
29) Cyclohexane	5.00	56	808546	205.601	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	853522	200.939	ug/L	99
31) Carbon tetrachloride	5.14	117	789187	207.766	ug/L	99
33) Benzene	5.39	78	1954987	200.424	ug/L	100
34) Trichloroethene	6.19	95	538087	198.228	ug/L	97
35) Methylcyclohexane	6.42	83	852433	207.473	ug/L	99
37) 1,2-Dichloropropane	6.44	63	525413	201.614	ug/L	100
38) Bromodichloromethane	6.76	83	727574	205.385	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	890646	209.828	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1521970	428.304	ug/L	99

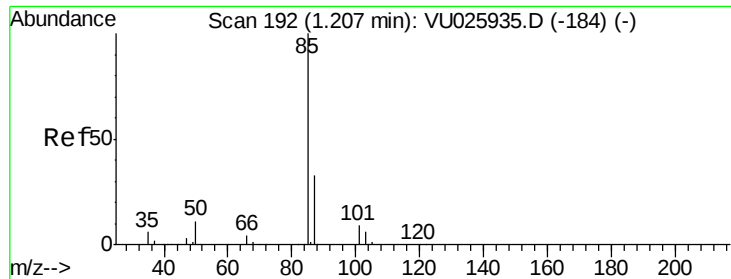
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
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 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 01:25:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	2183189	205.092	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	854648	213.023	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	512151	205.745	ug/L	98
46) Tetrachloroethene	8.23	164	472562	202.551	ug/L	100
48) 2-Hexanone	8.37	43	1220712	425.806	ug/L	99
49) Dibromochloromethane	8.48	129	660533	216.033	ug/L	99
50) 1,2-Dibromoethane	8.59	107	579283	207.457	ug/L	99
51) Chlorobenzene	9.12	112	1491989	204.687	ug/L	98
52) Ethylbenzene	9.25	91	2509567	207.219	ug/L	99
53) m,p-Xylene	9.38	106	981848	206.668	ug/L	97
54) o-xylene	9.78	106	962534	212.769	ug/L	99
55) Styrene	9.80	104	1677475	220.069	ug/L	99
56) Isopropylbenzene	10.17	105	2548068	211.925	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	880241	210.332	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	696393	209.962	ug/L	99
61) Bromoform	9.96	173	532125	213.935	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	1297676	199.133	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	1318513	198.598	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1294571	198.123	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	215430	216.948	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	996794	207.584	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	901431	216.300	ug/L	98
69) Naphthalene	13.74	128	2803257	228.886	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	904673	211.876	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 197.409 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

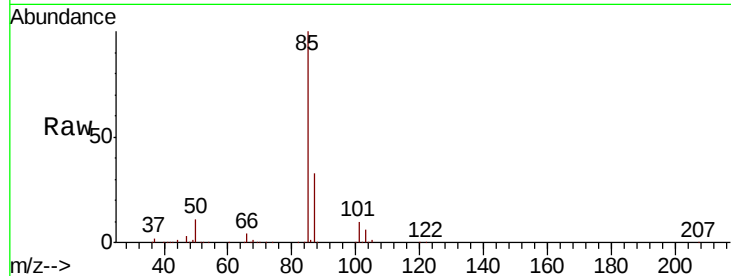
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 585652

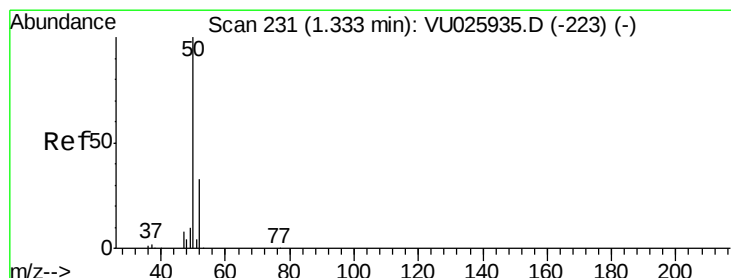
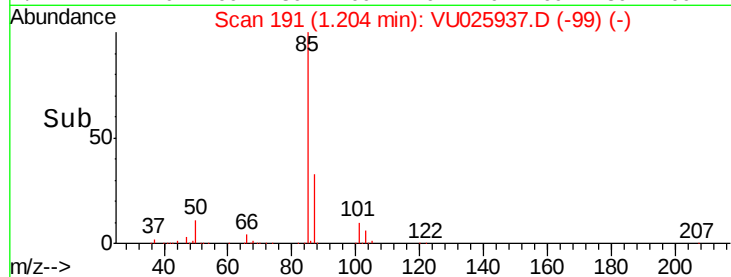
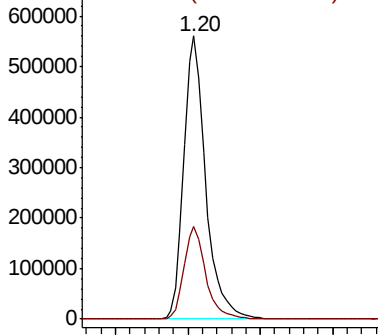
Ion Ratio Lower Upper

85 100

87 32.6 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 203.136 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025937.D

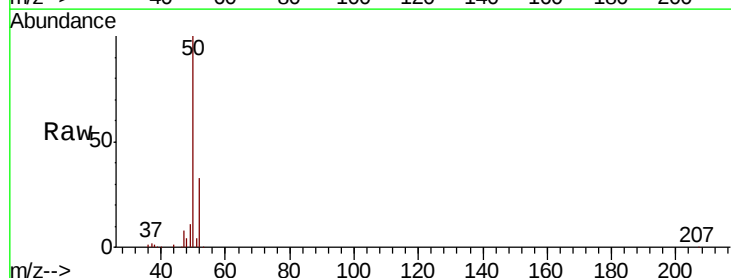
Acq: 07 Aug 2018 12:24

Tgt Ion: 50 Resp: 507044

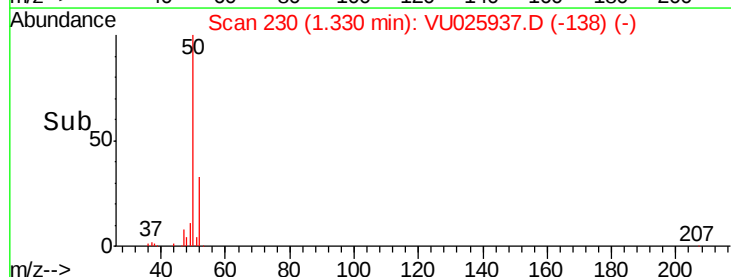
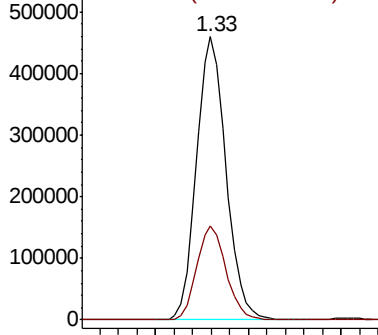
Ion Ratio Lower Upper

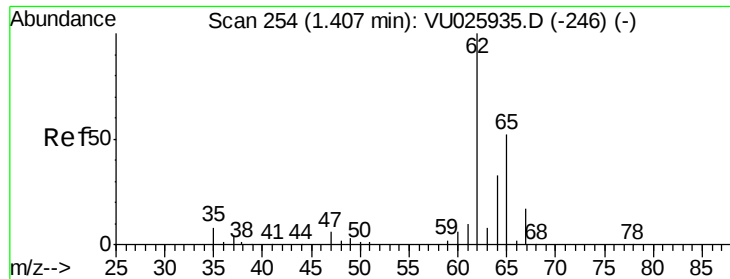
50 100

52 33.1 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0
Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 203.305 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

Instrument :

MSVOA_U

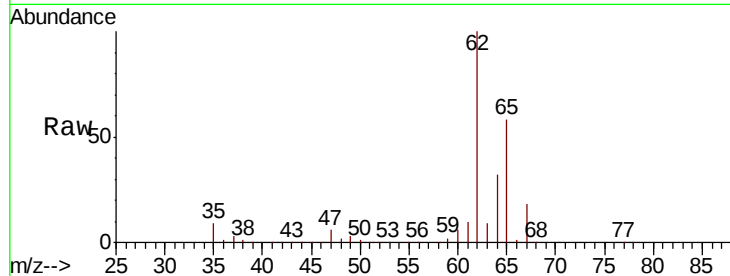
ClientSampled :

Tot Ion: 62 Resp: 547314

Ion Ratio Lower Upper

62 100

64 32.5 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

500000

400000

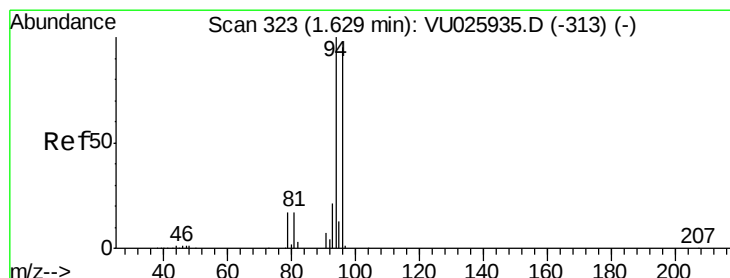
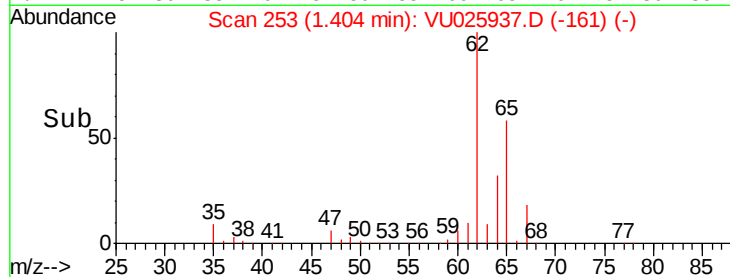
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 209.437 ug/L

RT: 1.61 min Scan# 316

Delta R.T. -0.02 min

Lab File: VU025937.D

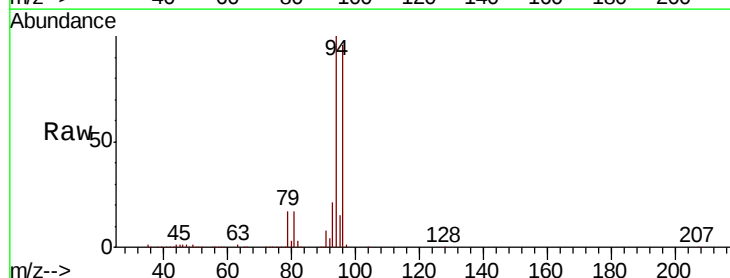
Acq: 07 Aug 2018 12:24

Tgt Ion: 94 Resp: 249696

Ion Ratio Lower Upper

94 100

96 95.7 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.61

250000

200000

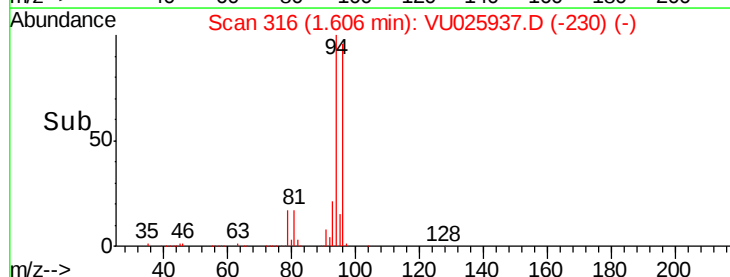
150000

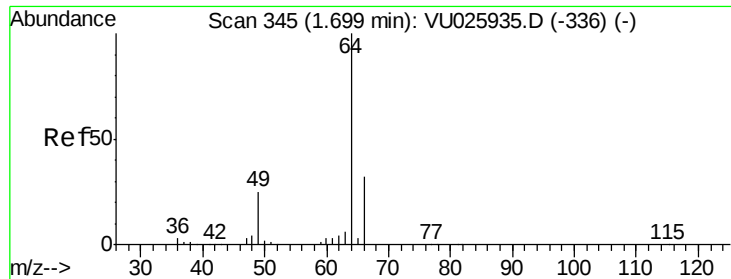
100000

50000

0

Time-->

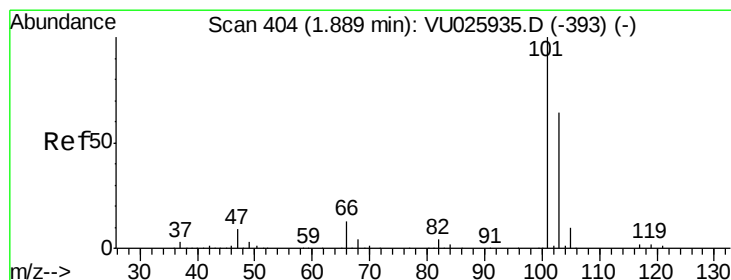
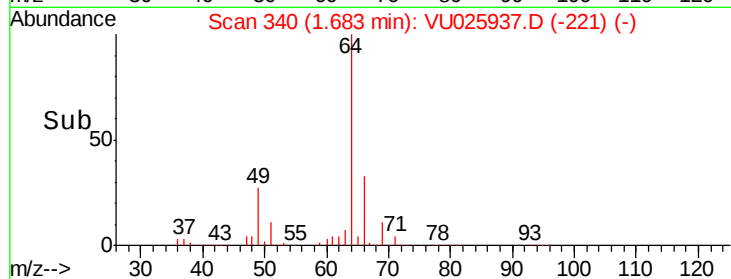
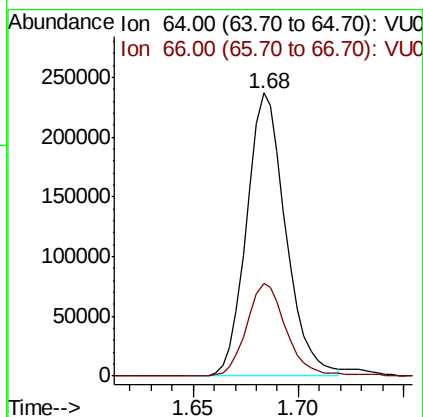
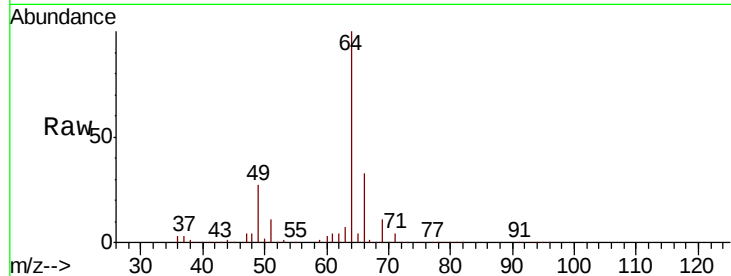




#8
 Chloroethane
 Concen: 196.258 ug/L
 RT: 1.68 min Scan# 340
 Delta R.T. -0.02 min
 Lab File: VU025937.D
 Acq: 07 Aug 2018 12:24

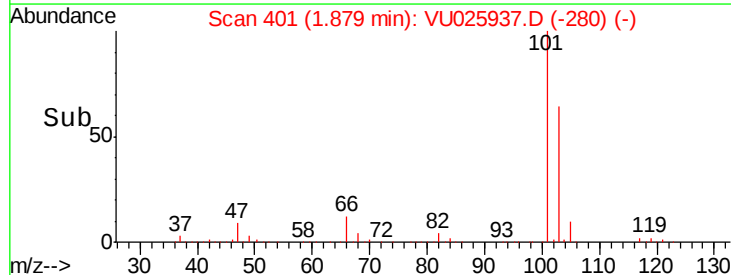
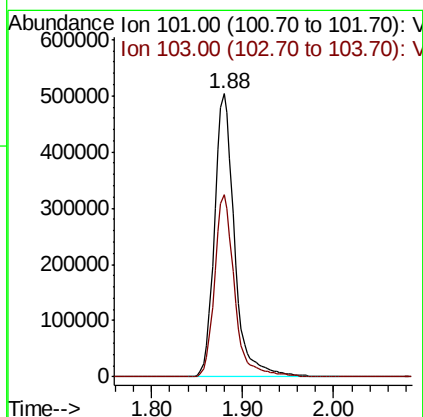
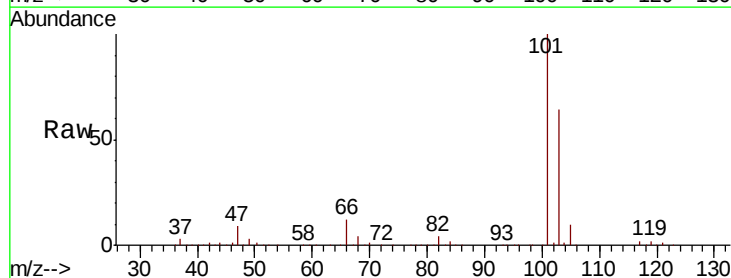
Instrument :
 MSVOA_U
 ClientSampleId :

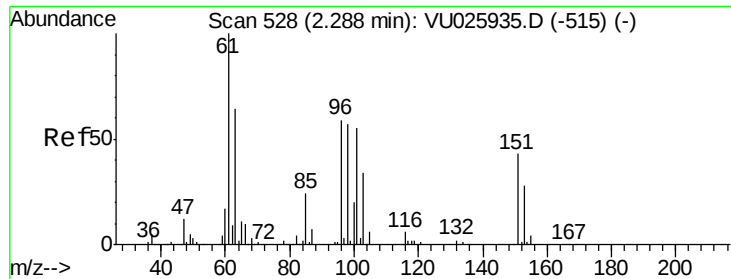
Tot Ion: 64 Resp: 305933
 Ion Ratio Lower Upper
 64 100
 66 32.6 22.3 41.5



#9
 Trichlorofluoromethane
 Concen: 198.758 ug/L
 RT: 1.88 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: VU025937.D
 Acq: 07 Aug 2018 12:24

Tgt Ion:101 Resp: 770835
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.6 77.4





#10

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

Concen: 207.236 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.01 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampled :

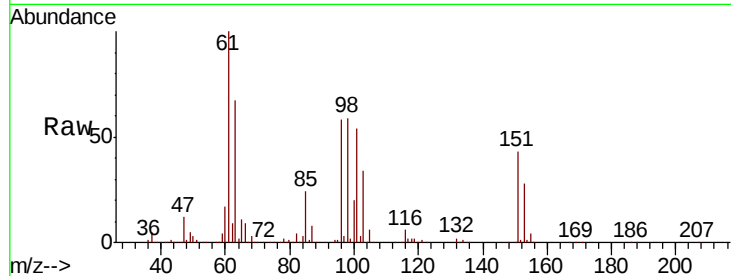
Tot Ion:101 Resp: 444247

Ion Ratio Lower Upper

101 100

85 43.2 34.6 51.8

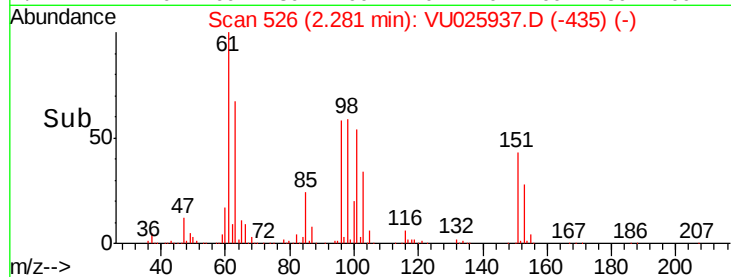
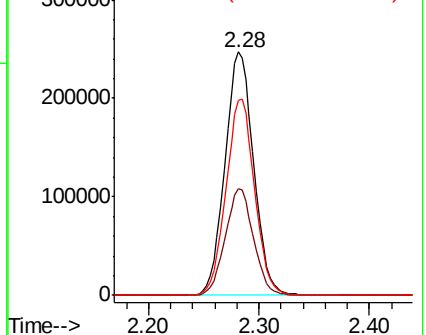
151 80.6 64.3 96.5



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: 210.951 ug/L

RT: 2.28 min Scan# 525

Delta R.T. -0.01 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

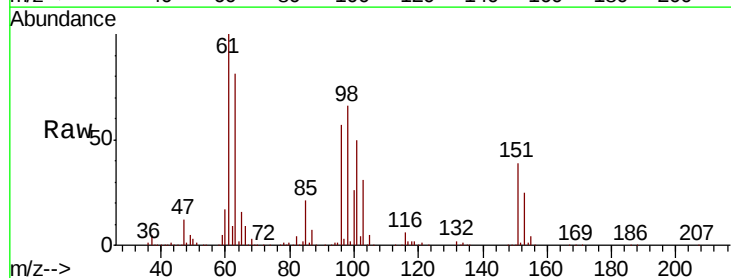
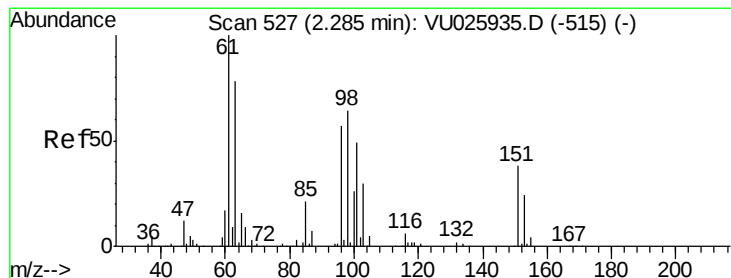
Tgt Ion: 96 Resp: 415278

Ion Ratio Lower Upper

96 100

61 176.7 123.0 228.4

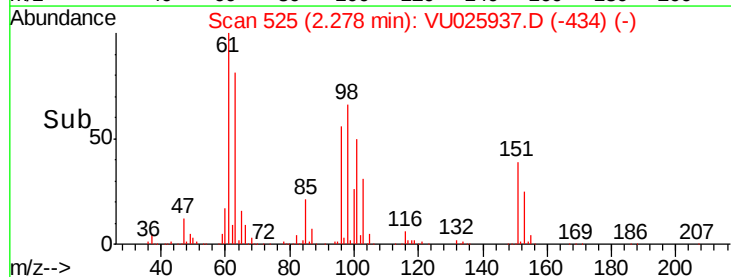
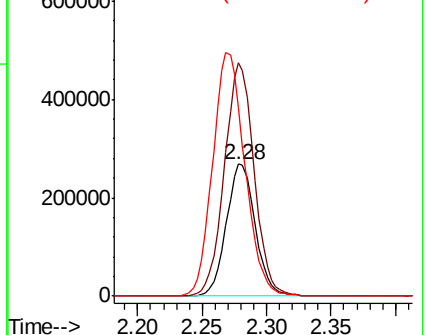
63 143.3 97.2 180.4

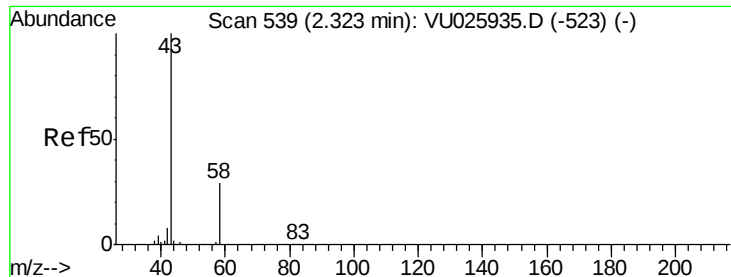


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 332.365 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

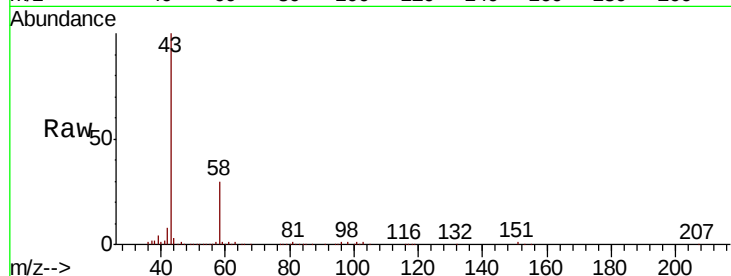
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 585075

Ion Ratio Lower Upper

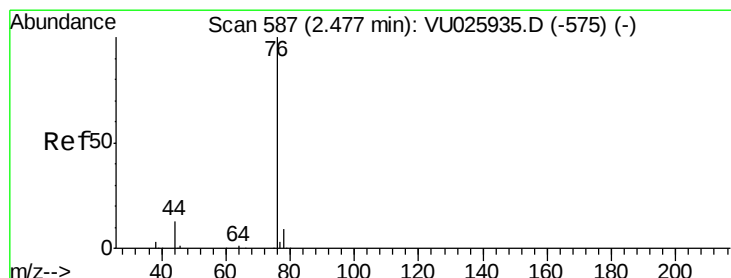
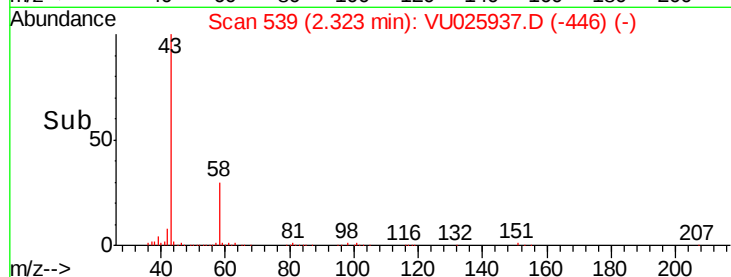
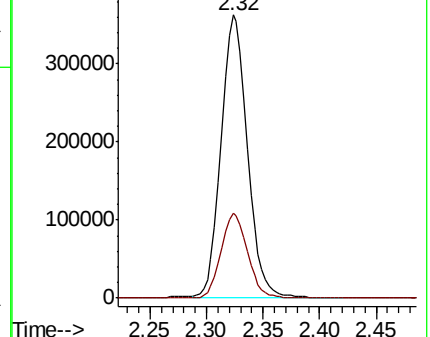
43 100

58 30.3 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU025937.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU025937.D (-446) (-)



#14

Carbon disulfide

Concen: 202.391 ug/L

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU025937.D

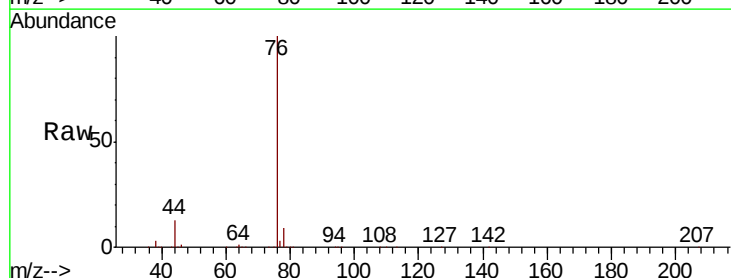
Acq: 07 Aug 2018 12:24

Tgt Ion: 76 Resp: 1419519

Ion Ratio Lower Upper

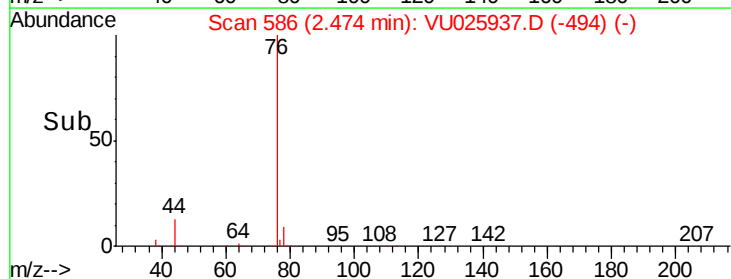
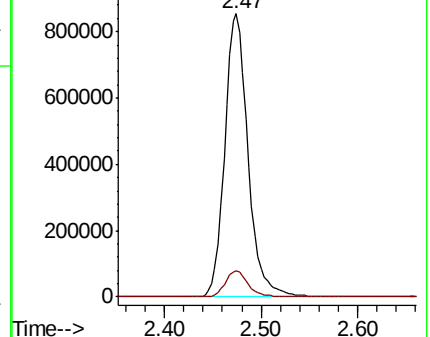
76 100

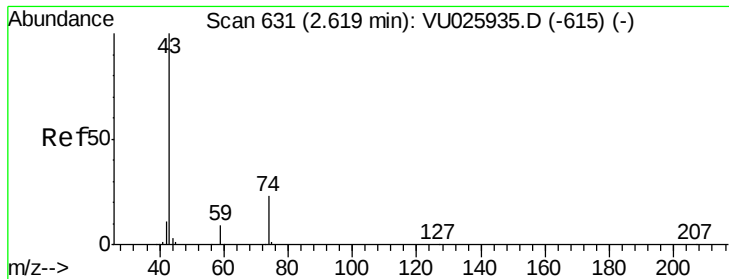
78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU025937.D (-494) (-)

Ion 78.00 (77.70 to 78.70): VU025937.D (-494) (-)





#15

Methyl Acetate

Concen: 201.713 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

Instrument :

MSVOA_U

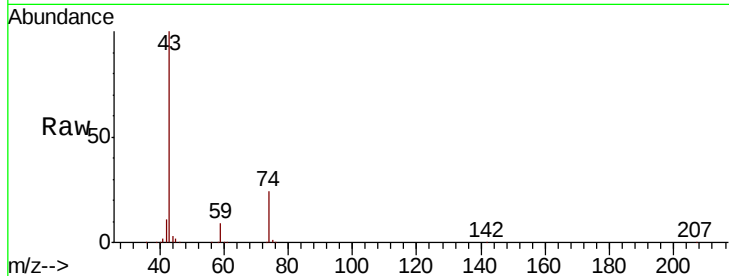
ClientSampleId :

Tot Ion: 43 Resp: 542205

Ion Ratio Lower Upper

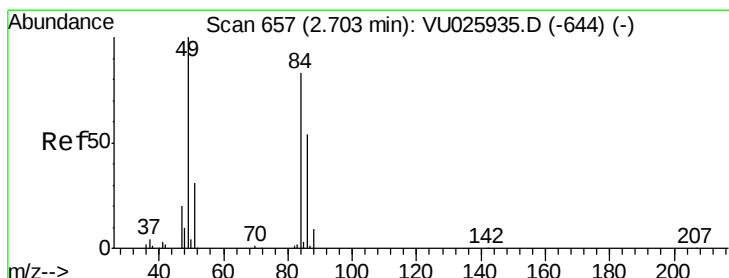
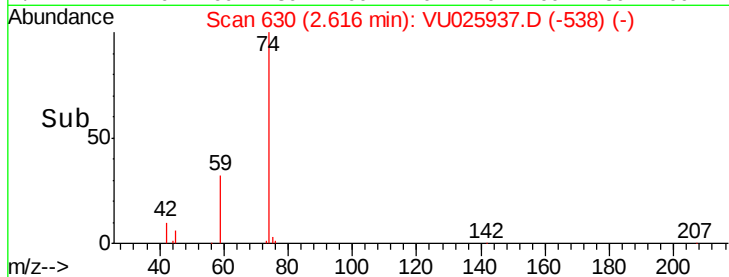
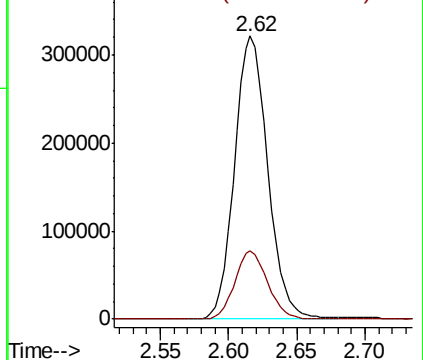
43 100

74 23.8 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 198.693 ug/L

RT: 2.70 min Scan# 656

Delta R.T. -0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

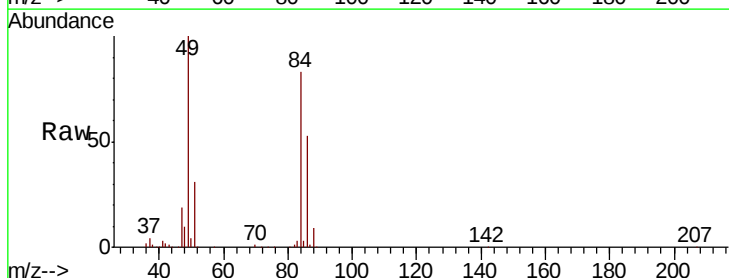
Tgt Ion: 84 Resp: 509736

Ion Ratio Lower Upper

84 100

86 64.1 45.2 84.0

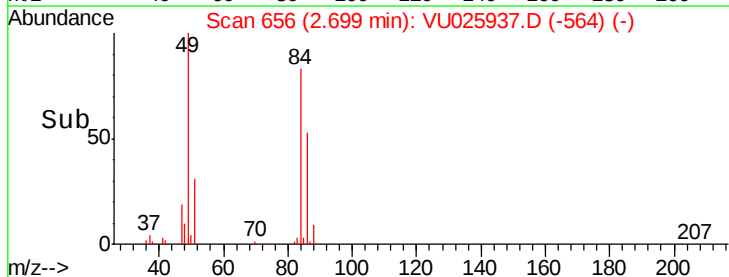
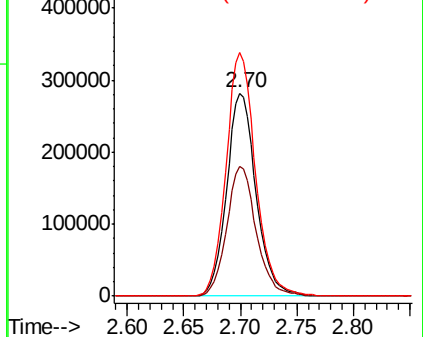
49 119.9 84.4 156.7

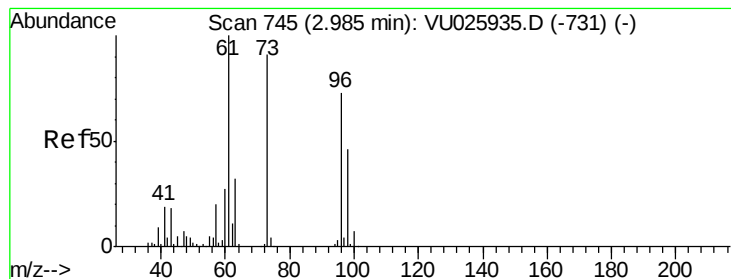


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 199.151 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

Instrument :
MSVOA_U
ClientSampled :

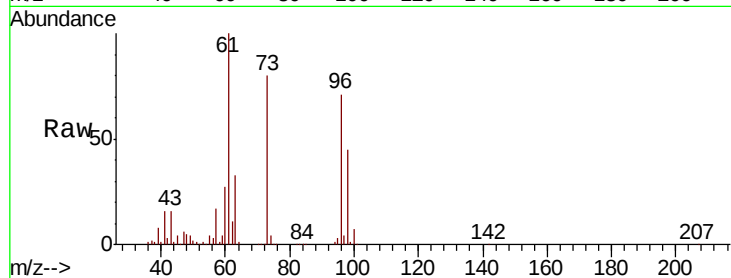
Tot Ion: 96 Resp: 483421

Ion Ratio Lower Upper

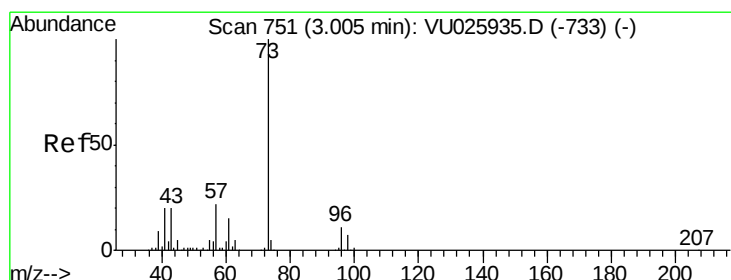
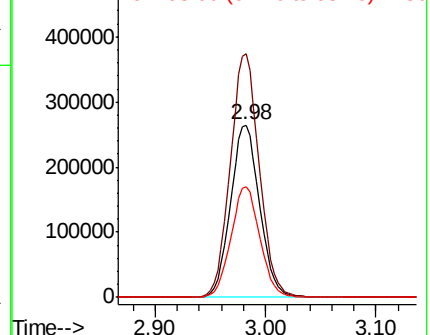
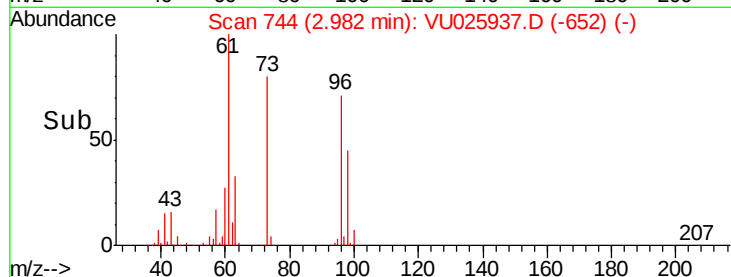
96 100

61 141.6 96.2 178.6

98 64.3 44.0 81.8



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: 204.610 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

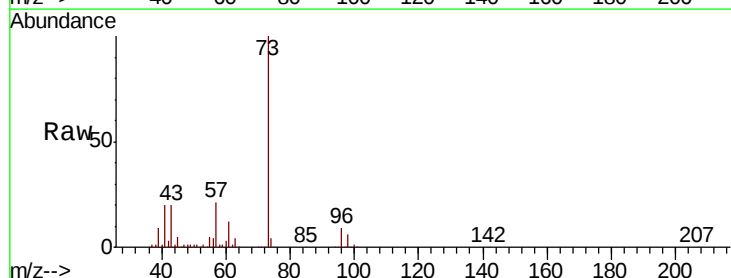
Tgt Ion: 73 Resp: 1579090

Ion Ratio Lower Upper

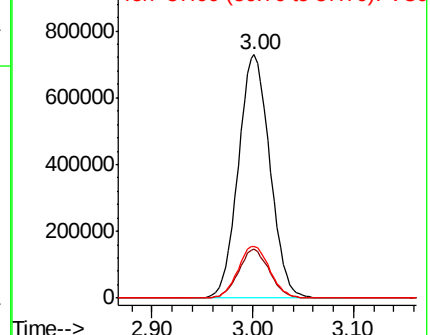
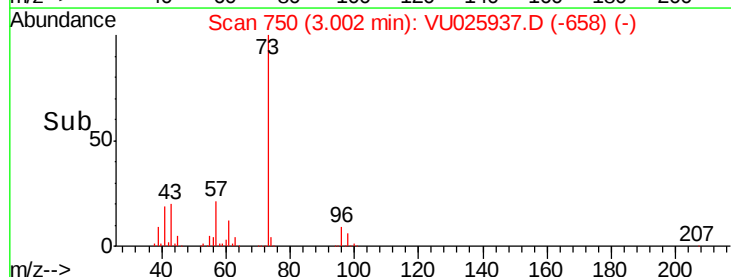
73 100

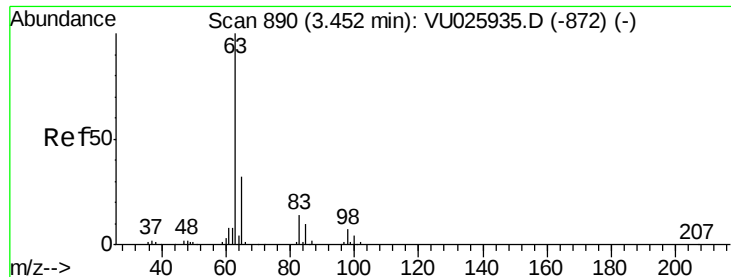
43 19.7 15.9 23.9

57 21.4 17.5 26.3



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: 200.745 ug/L

RT: 3.45 min Scan# 888

Delta R.T. -0.01 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampled :

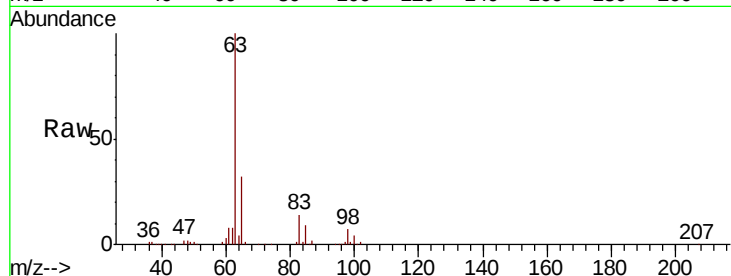
Tot Ion: 63 Resp: 883794

Ion Ratio Lower Upper

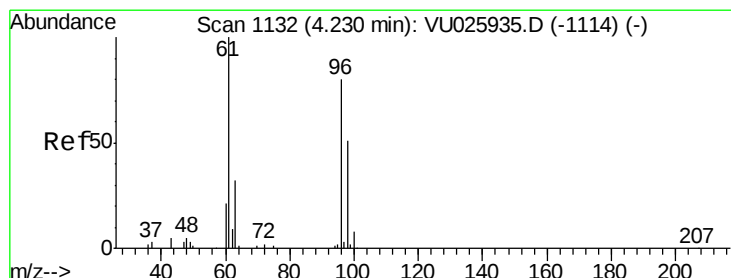
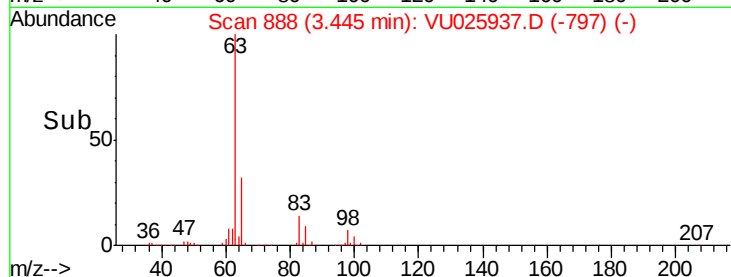
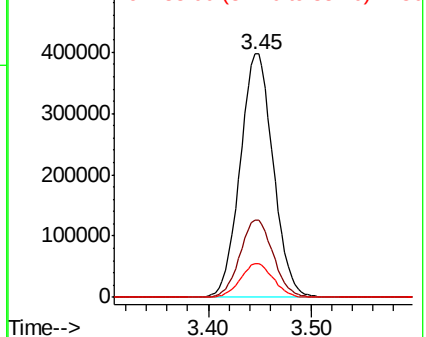
63 100

65 31.9 22.7 42.3

83 14.0 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 202.692 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

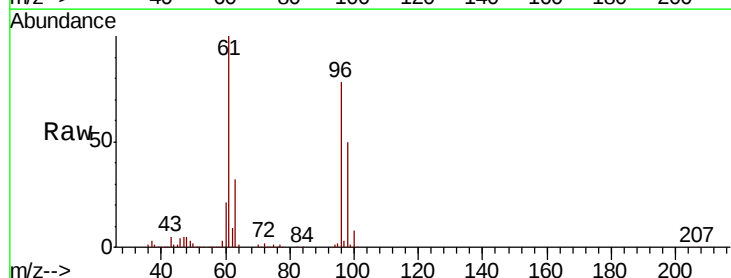
Tgt Ion: 96 Resp: 549704

Ion Ratio Lower Upper

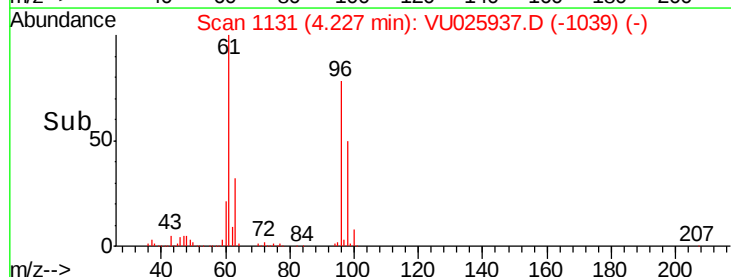
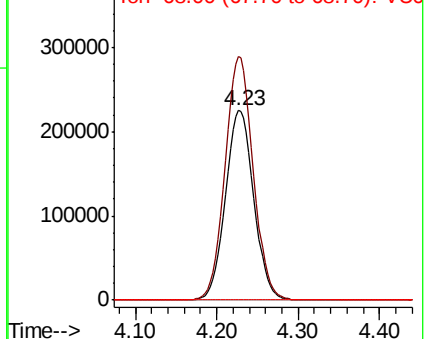
96 100

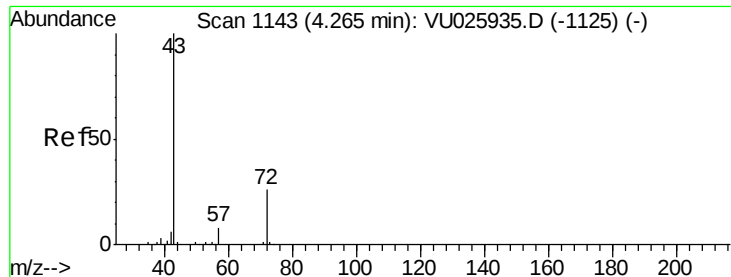
61 128.3 87.7 162.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 375.672 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

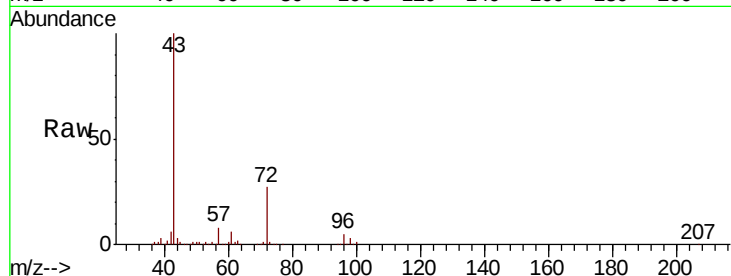
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 826795

Ion Ratio Lower Upper

43 100

72 27.5 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU025937.D (-1143) (-)

Ion 72.00 (71.70 to 72.70): VU025937.D (-1143) (-)

4.27

300000

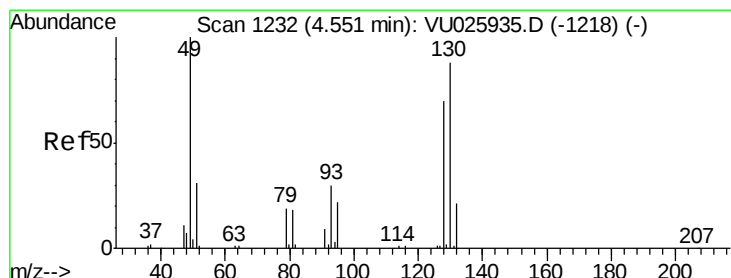
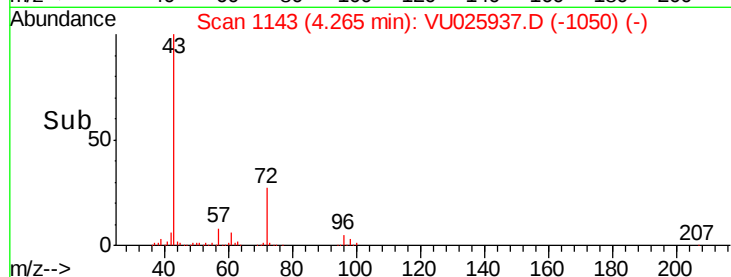
200000

100000

0

Time-->

4.20 4.30 4.40



#23

Bromochloromethane

Concen: 201.895 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

Tgt Ion:128 Resp: 287476

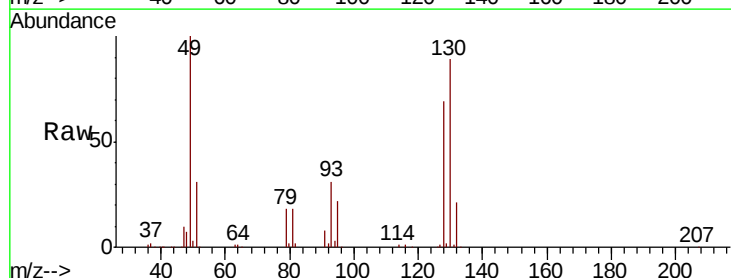
Ion Ratio Lower Upper

128 100

49 145.3 100.9 187.5

130 129.7 88.6 164.6

51 45.2 35.9 53.9



Abundance Ion 128.00 (127.70 to 128.70): VU025937.D (-1232) (-)

Ion 49.00 (48.70 to 49.70): VU025937.D (-1232) (-)

Ion 130.00 (129.70 to 130.70): VU025937.D (-1232) (-)

Ion 51.00 (50.70 to 51.70): VU025937.D (-1232) (-)

250000

200000

150000

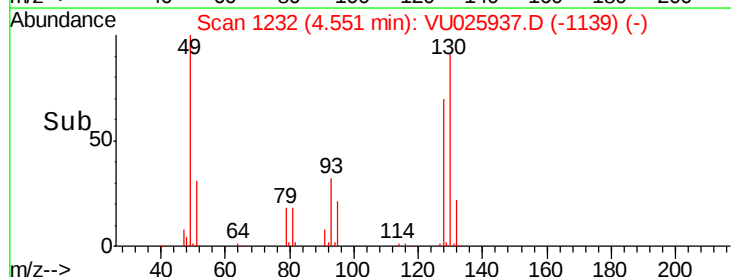
100000

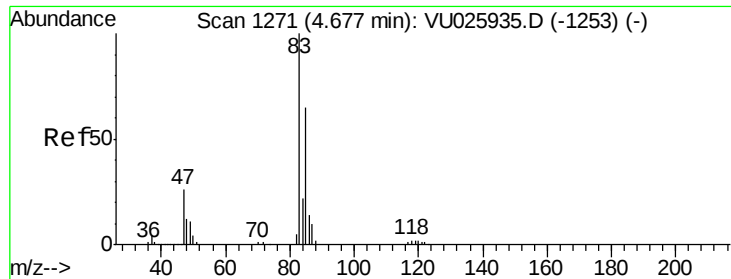
50000

0

Time-->

4.50 4.60 4.70

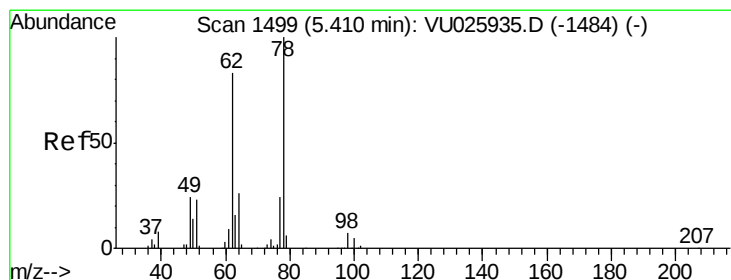
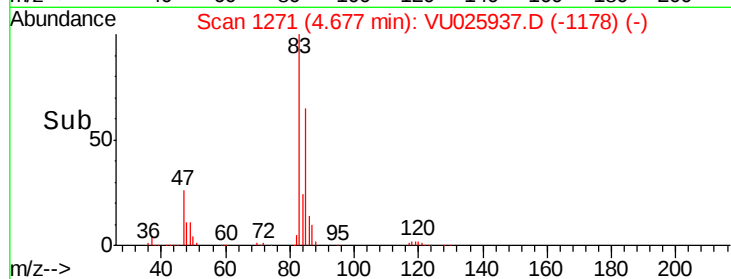
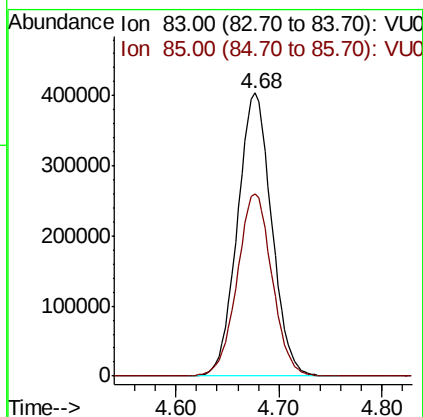
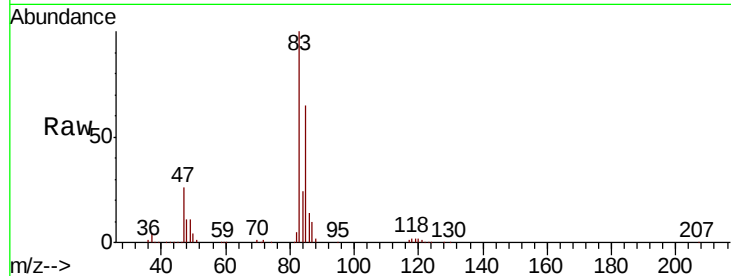




#25
Chloroform
Concen: 199.456 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025937.D
Acq: 07 Aug 2018 12:24

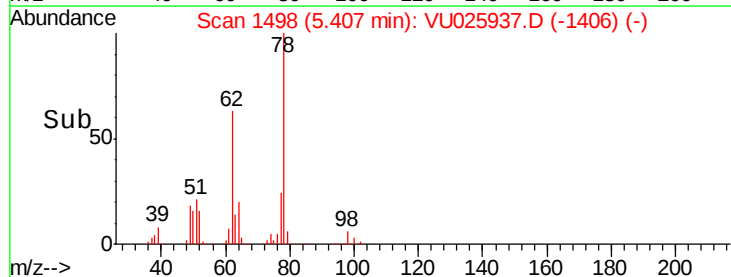
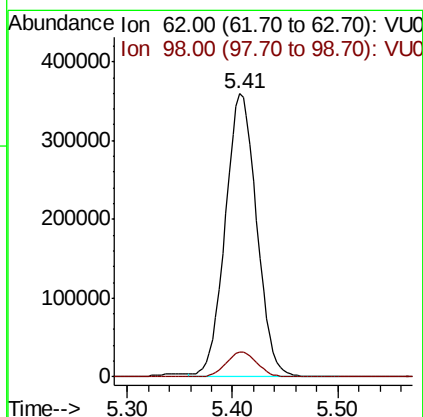
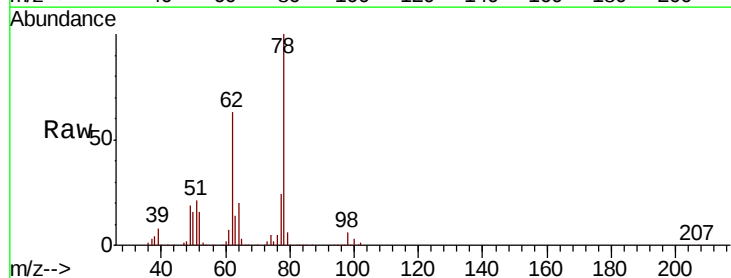
Instrument :
MSVOA_U
ClientSampleId :

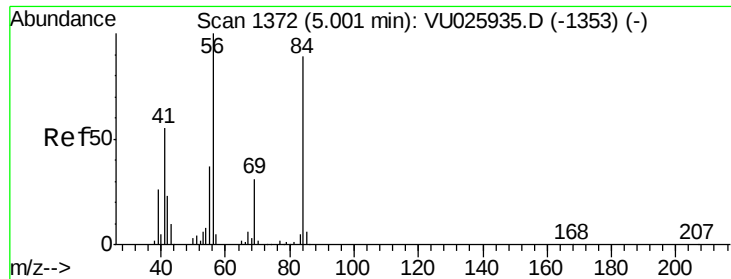
Tot Ion: 83 Resp: 930268
Ion Ratio Lower Upper
83 100
85 64.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 199.171 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025937.D
Acq: 07 Aug 2018 12:24

Tgt Ion: 62 Resp: 740750
Ion Ratio Lower Upper
62 100
98 8.9 6.8 10.2

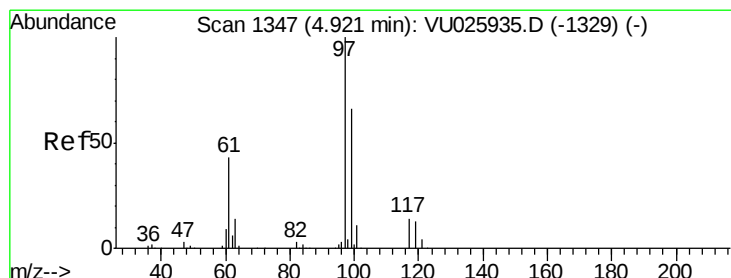
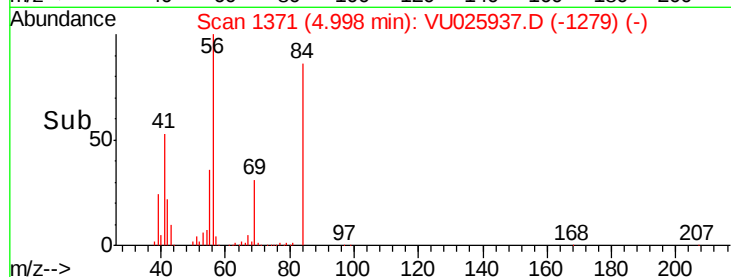
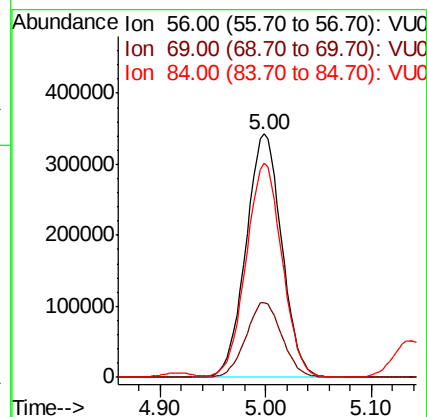
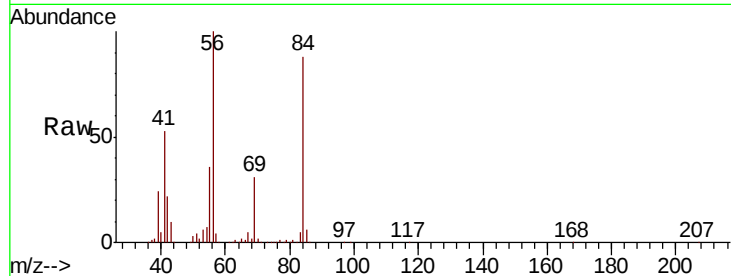




#29
Cyclohexane
Concen: 205.601 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025937.D
Acq: 07 Aug 2018 12:24

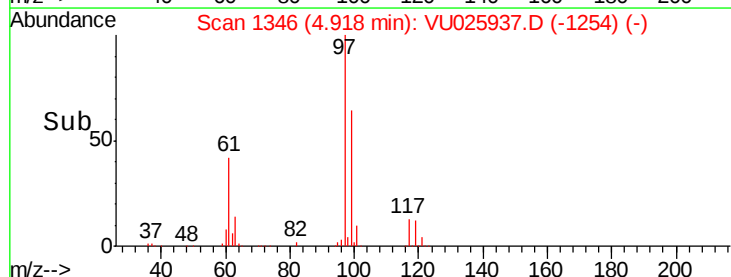
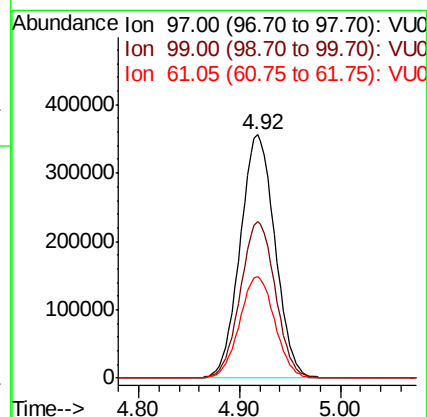
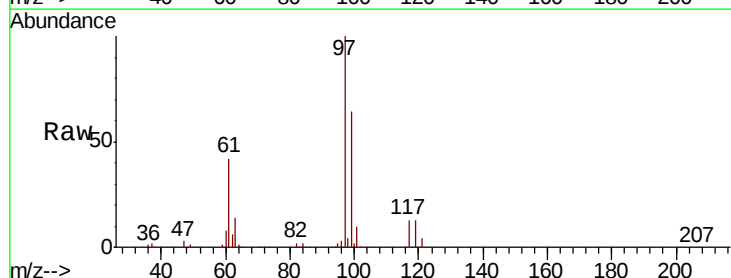
Instrument :
MSVOA_U
ClientSampleId :

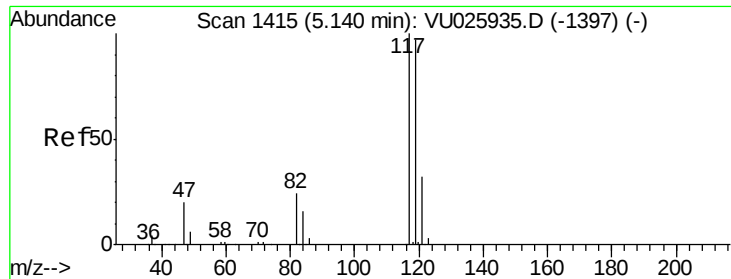
Tot Ion: 56 Resp: 808546
Ion Ratio Lower Upper
56 100
69 30.9 24.6 36.8
84 88.5 71.4 107.2



#30
1,1,1-Trichloroethane
Concen: 200.939 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025937.D
Acq: 07 Aug 2018 12:24

Tgt Ion: 97 Resp: 853522
Ion Ratio Lower Upper
97 100
99 64.5 52.3 78.5
61 42.1 33.8 50.6

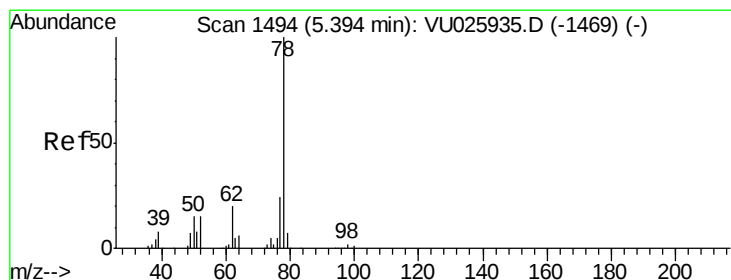
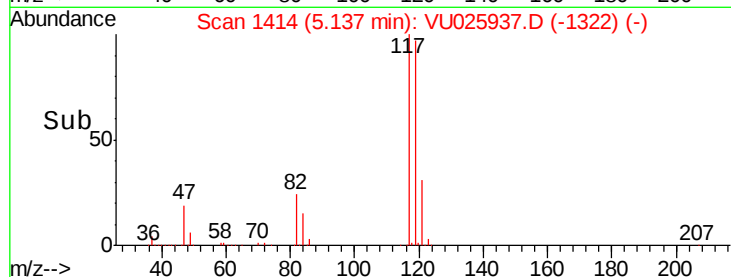
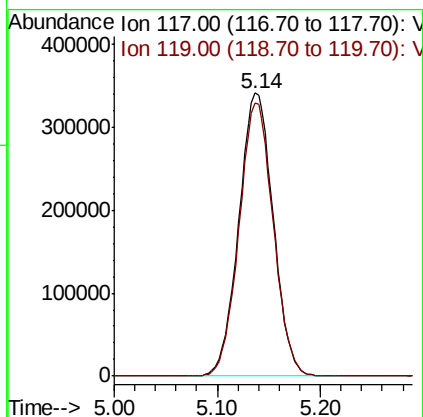
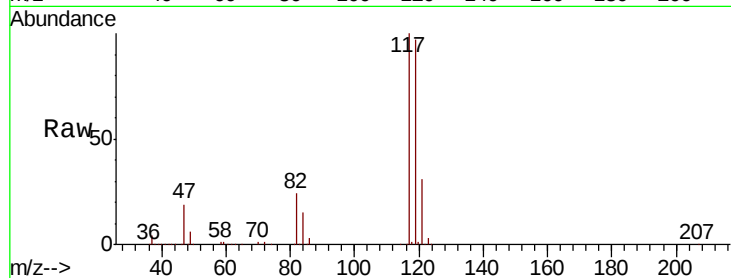




#31
Carbon tetrachloride
Concen: 207.766 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025937.D
Acq: 07 Aug 2018 12:24

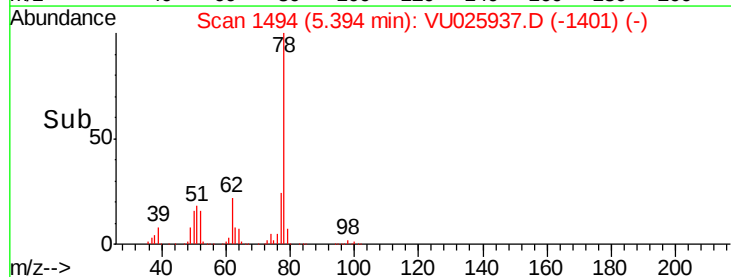
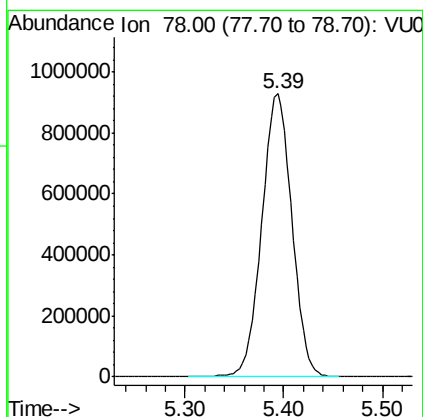
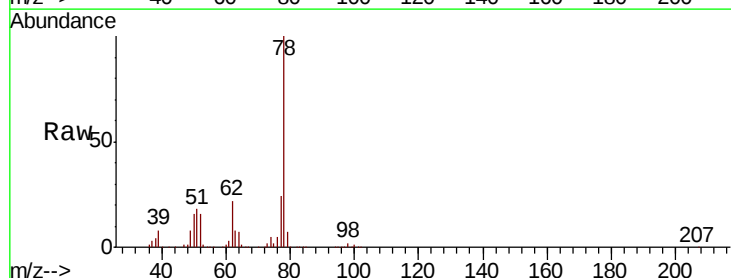
Instrument :
MSVOA_U
ClientSampleId :

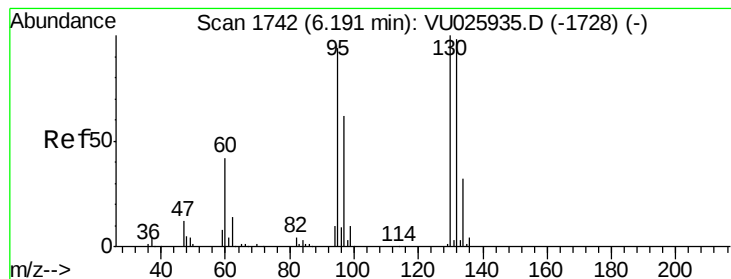
Tot Ion:117 Resp: 789187
Ion Ratio Lower Upper
117 100
119 96.0 77.8 116.8



#33
Benzene
Concen: 200.424 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025937.D
Acq: 07 Aug 2018 12:24

Tgt Ion: 78 Resp: 1954987





#34

Trichloroethene

Concen: 198.228 ug/L

RT: 6.19 min Scan# 1741

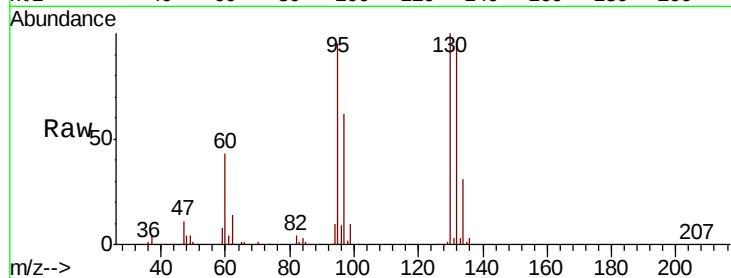
Delta R.T. -0.00 min

Lab File: VU025937.D

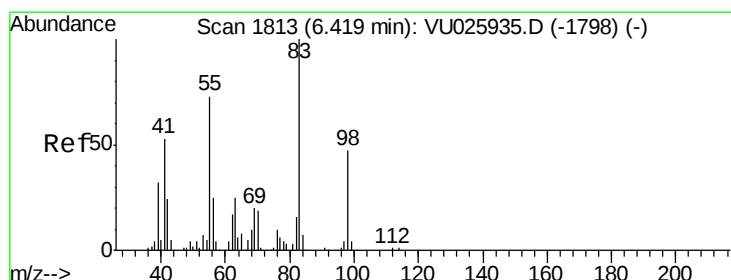
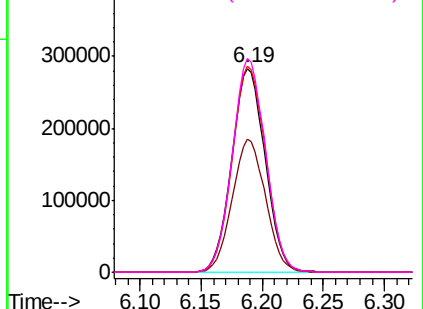
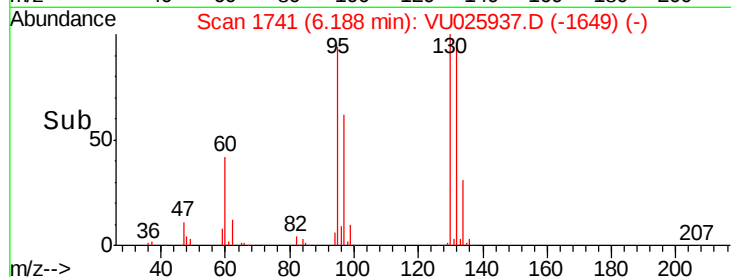
Acq: 07 Aug 2018 12:24

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	95	Resp:	538087
Ion	Ratio	Lower	Upper
95	100		
97	65.1	46.6	86.6
132	100.8	73.3	136.1
130	104.7	74.8	138.8



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 97.00 (96.70 to 97.70): VU0
Ion 132.00 (131.70 to 132.70): V
Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 207.473 ug/L

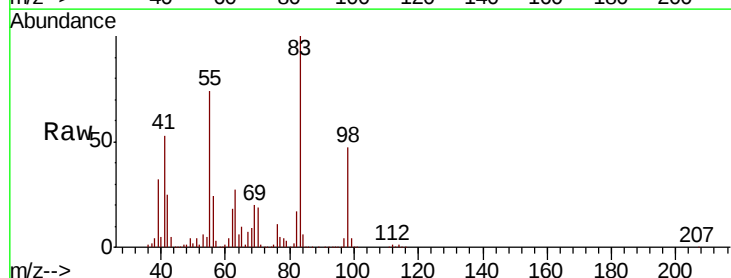
RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

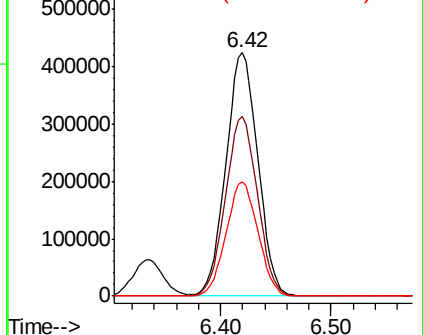
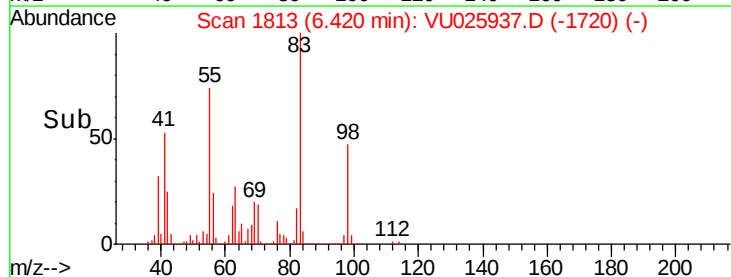
Lab File: VU025937.D

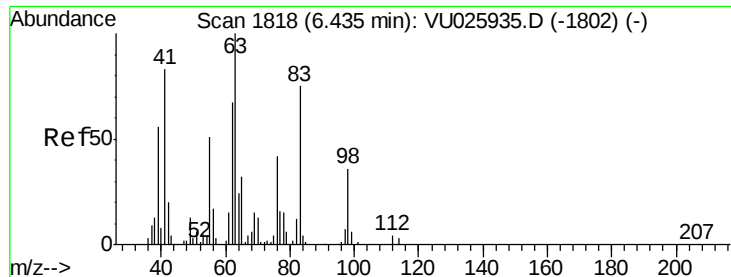
Acq: 07 Aug 2018 12:24

Tgt Ion:	83	Resp:	852433
Ion	Ratio	Lower	Upper
83	100		
55	74.0	58.3	87.5
98	46.9	37.8	56.6



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

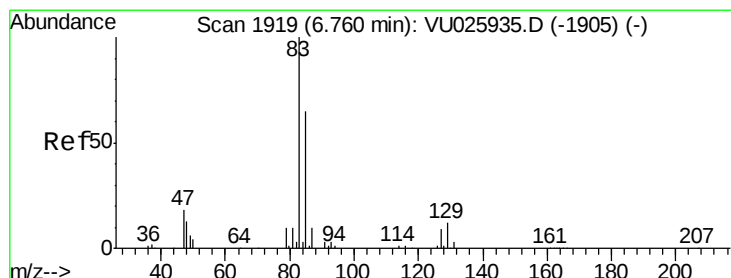
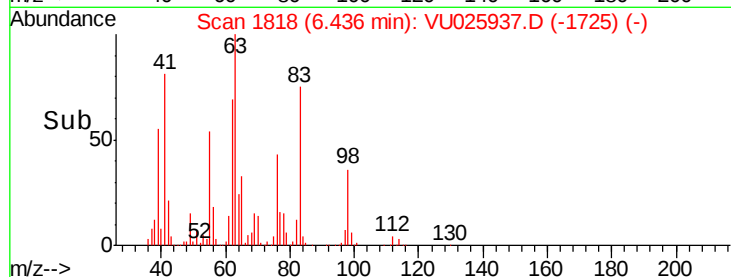
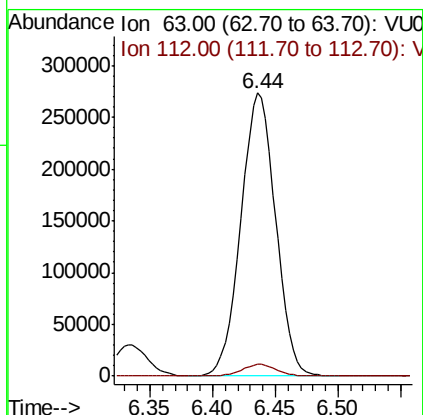
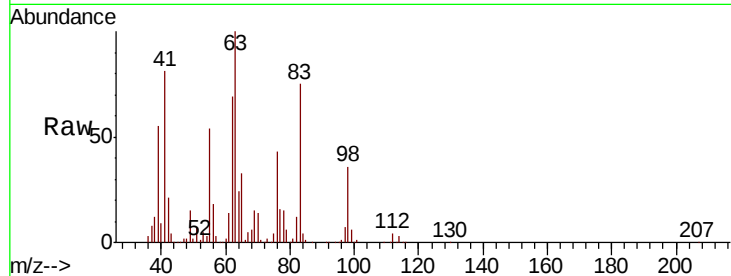




#37
 1,2-Dichloropropane
 Concen: 201.614 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025937.D
 Acq: 07 Aug 2018 12:24

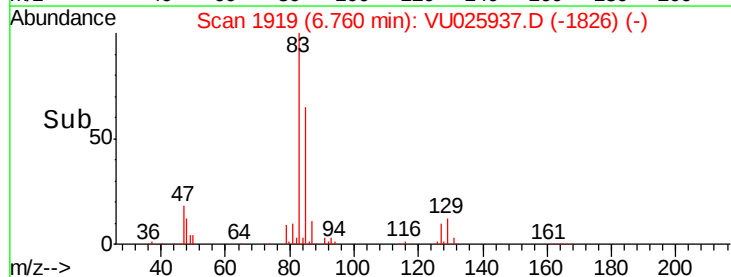
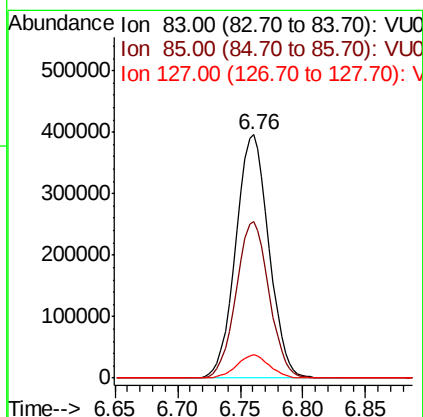
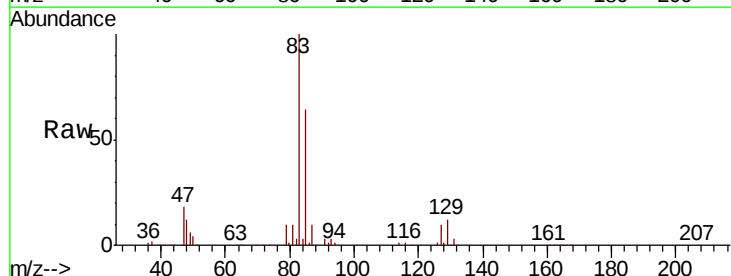
Instrument :
 MSVOA_U
 ClientSampleId :

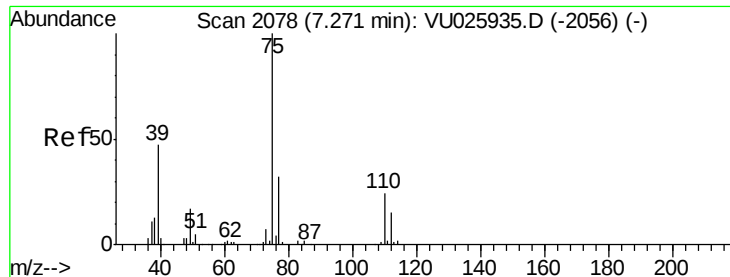
Tot Ion: 63 Resp: 525413
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.3 4.9



#38
 Bromodichloromethane
 Concen: 205.385 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025937.D
 Acq: 07 Aug 2018 12:24

Tgt Ion: 83 Resp: 727574
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.2 84.0
 127 9.5 7.1 10.7



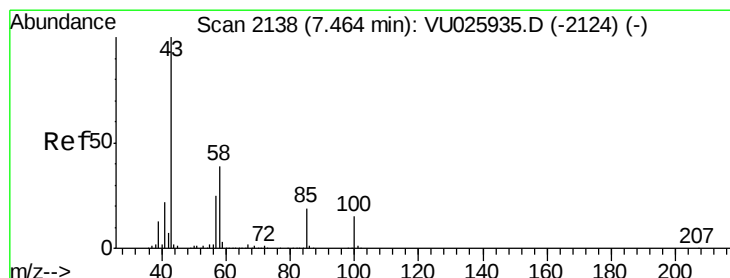
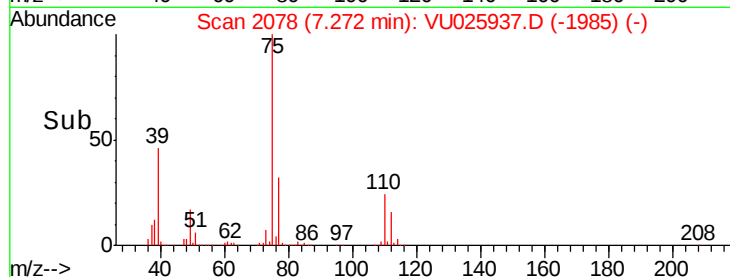
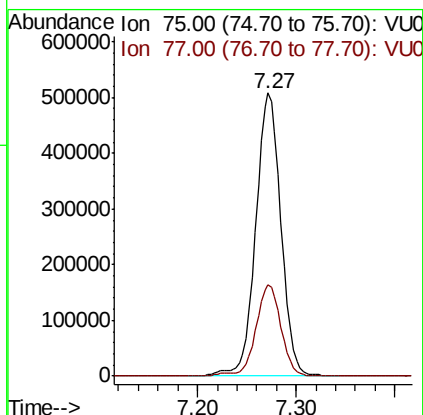
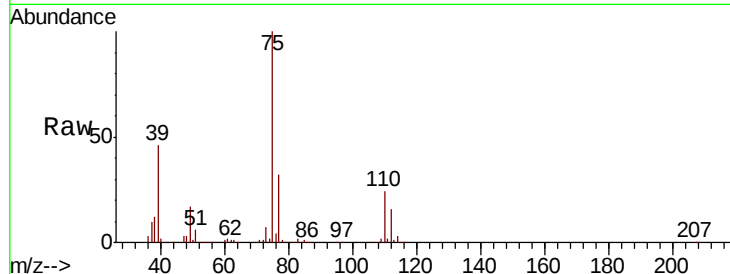


#39

cis-1,3-Dichloropropene
 Concen: 209.828 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025937.D
 Acq: 07 Aug 2018 12:24

Instrument :
 MSVOA_U
 ClientSampled :

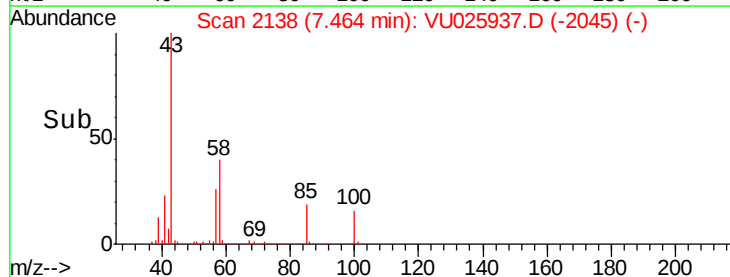
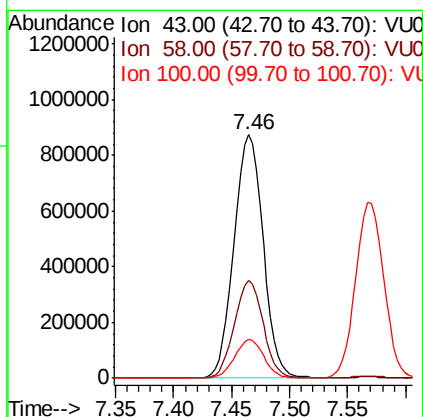
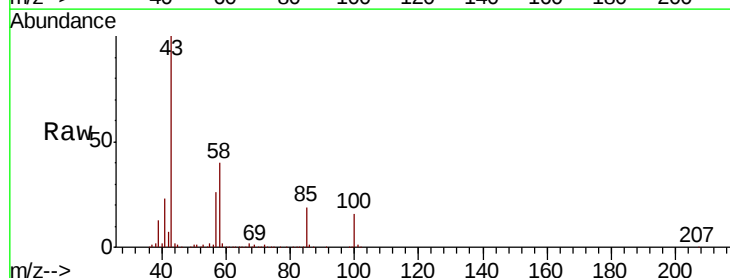
Tot Ion: 75 Resp: 890646
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.7

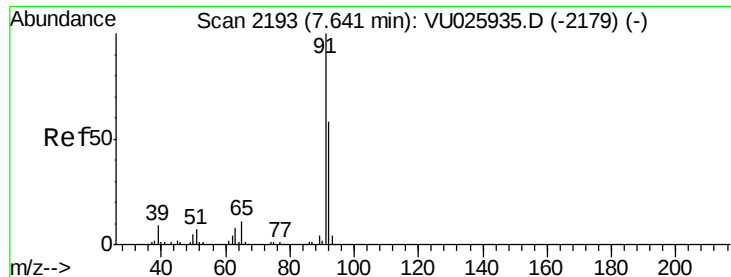


#40

4-Methyl-2-pentanone
 Concen: 428.304 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025937.D
 Acq: 07 Aug 2018 12:24

Tgt Ion: 43 Resp: 1521970
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.0 46.4
 100 15.8 12.4 18.6





#42

Toluene

Concen: 205.092 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

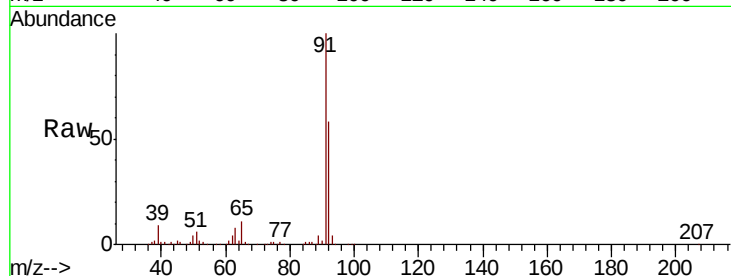
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 2183189

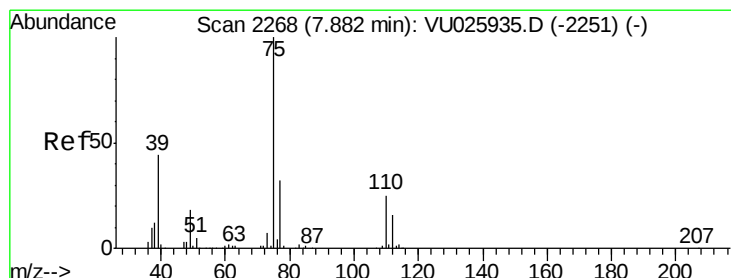
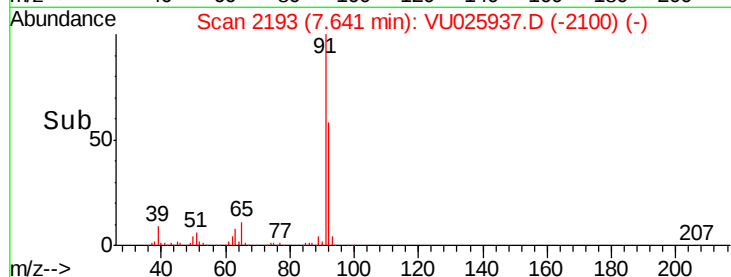
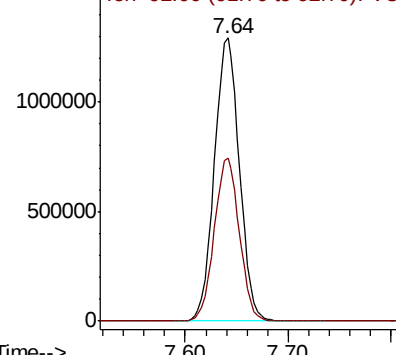
Ion Ratio Lower Upper

91 100

92 57.7 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
1500000 Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 213.023 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025937.D

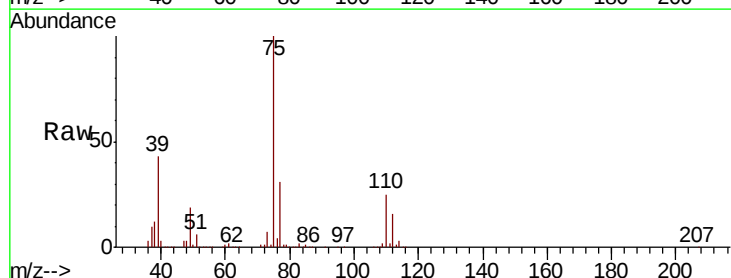
Acq: 07 Aug 2018 12:24

Tgt Ion: 75 Resp: 854648

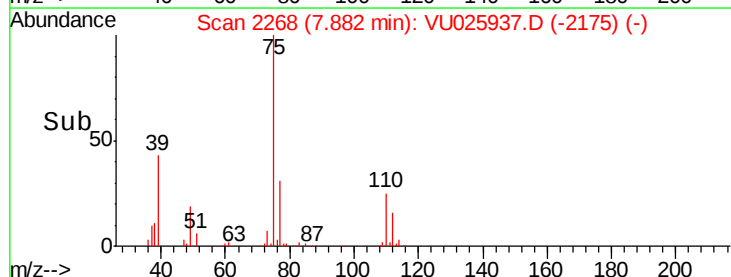
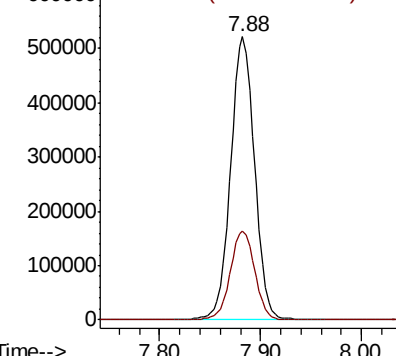
Ion Ratio Lower Upper

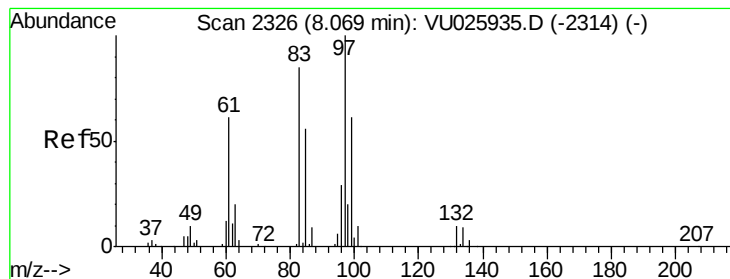
75 100

77 31.4 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU0
600000 Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 205.745 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 512151

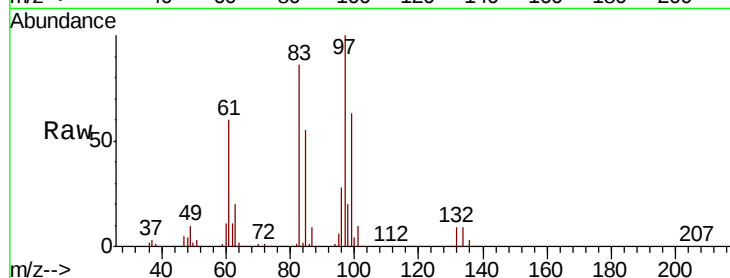
Ion Ratio Lower Upper

97 100

99 62.9 42.6 79.0

83 86.4 59.6 110.6

85 55.0 38.9 72.2

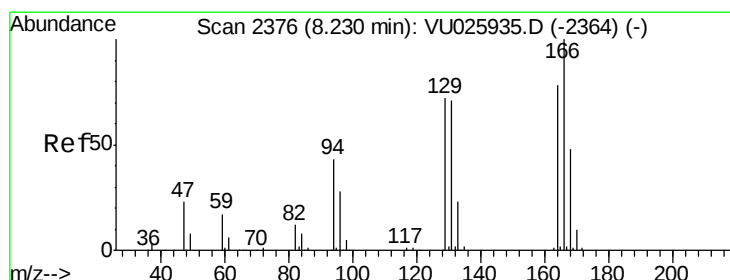
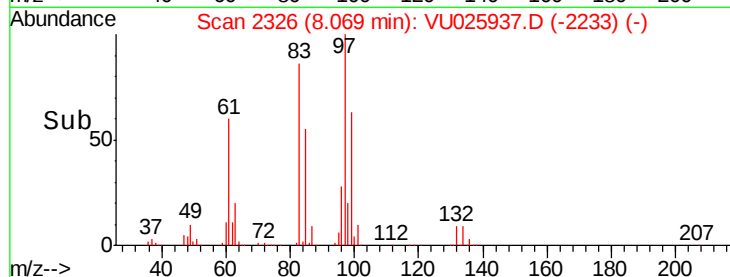
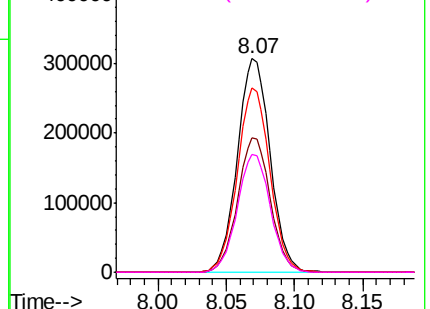


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 202.551 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

Tgt Ion:164 Resp: 472562

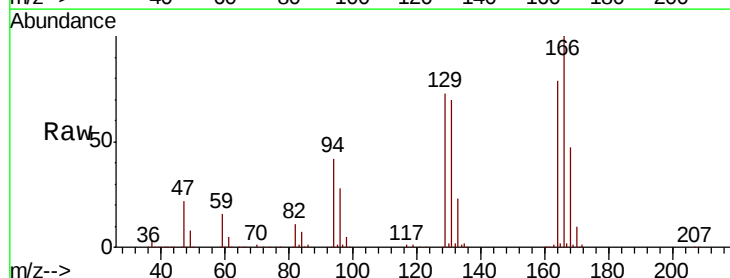
Ion Ratio Lower Upper

164 100

129 92.5 64.8 120.3

131 89.3 63.1 117.3

166 127.4 89.5 166.3

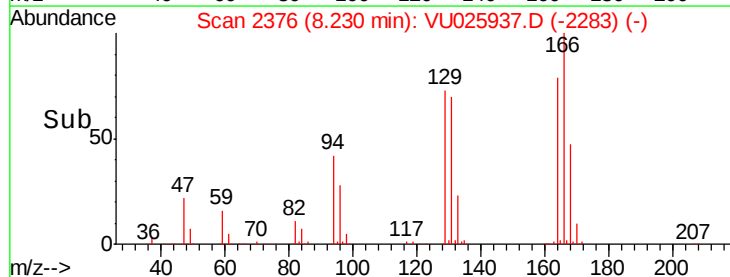
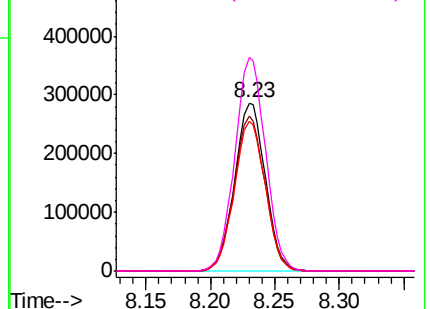


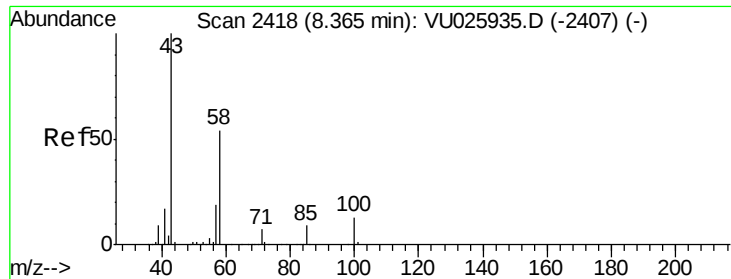
Abundance Ion 164.00 (163.70 to 164.70): V

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

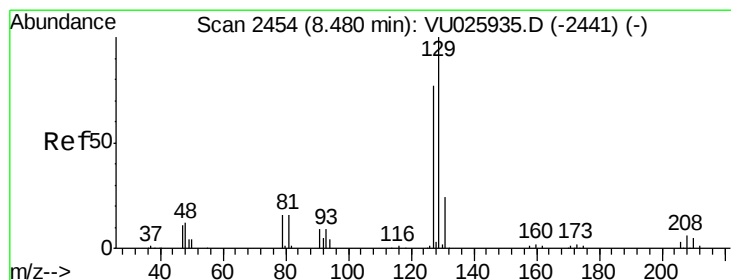
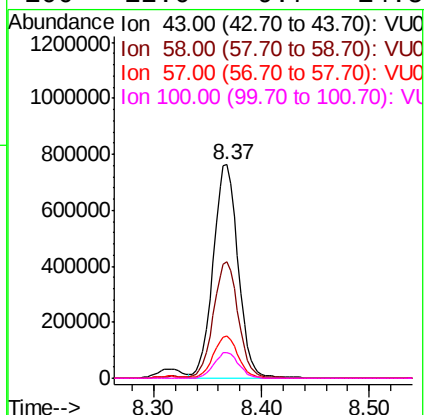
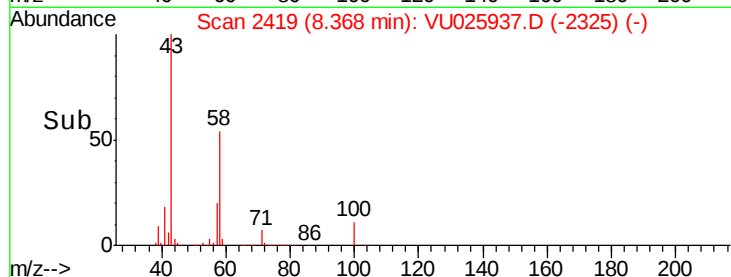
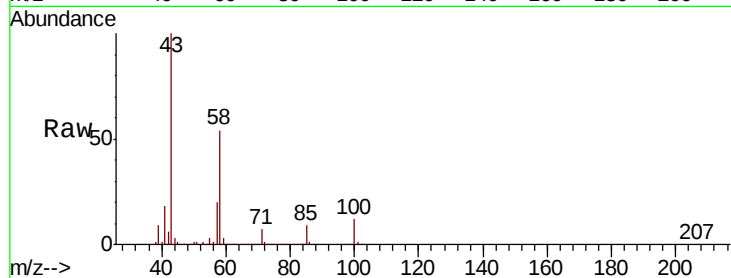




#48
2-Hexanone
Concen: 425.806 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU025937.D
Acq: 07 Aug 2018 12:24

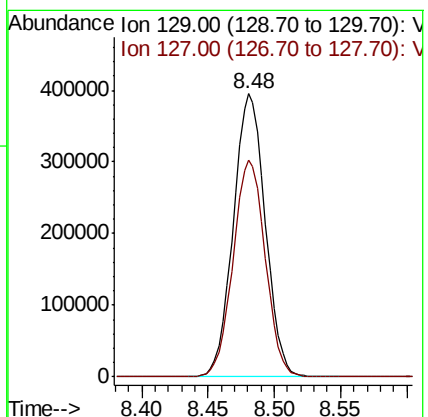
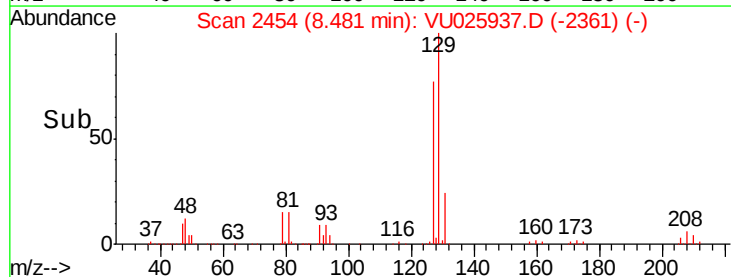
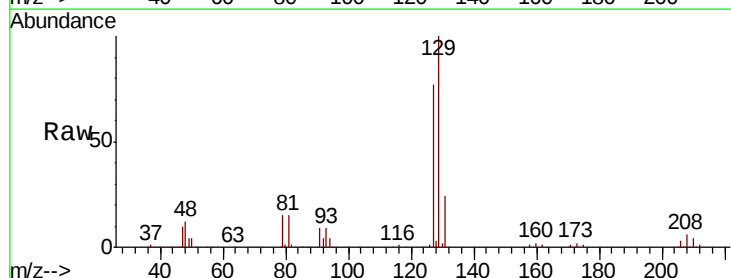
Instrument :
MSVOA_U
ClientSampled :

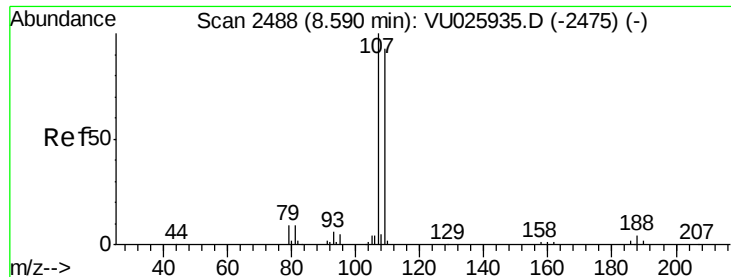
Tot Ion: 43 Resp: 1220712
Ion Ratio Lower Upper
43 100
58 54.6 43.3 64.9
57 19.5 15.0 22.6
100 12.0 9.7 14.5



#49
Dibromochloromethane
Concen: 216.033 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025937.D
Acq: 07 Aug 2018 12:24

Tgt Ion: 129 Resp: 660533
Ion Ratio Lower Upper
129 100
127 76.8 54.3 100.8

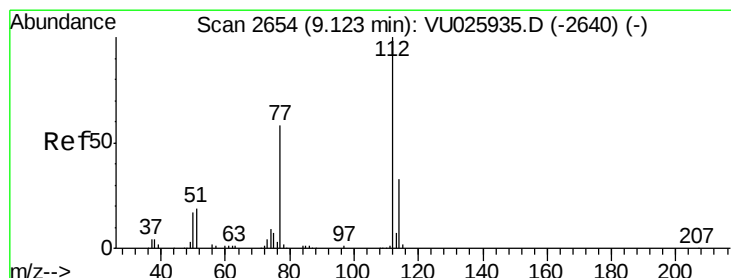
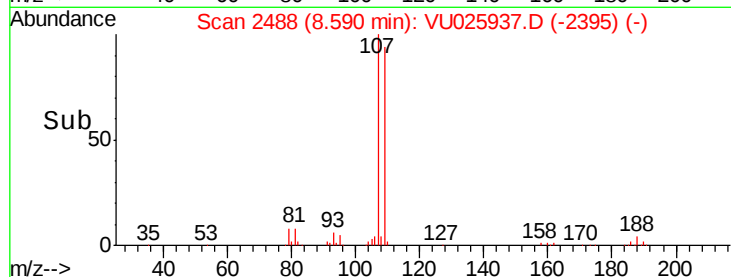
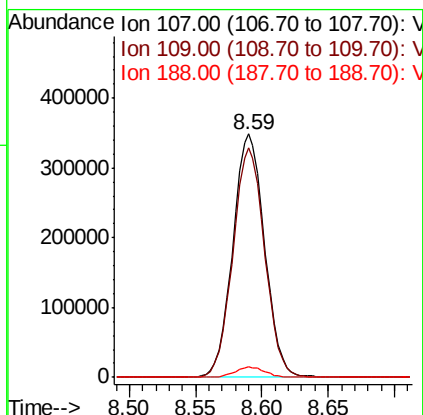
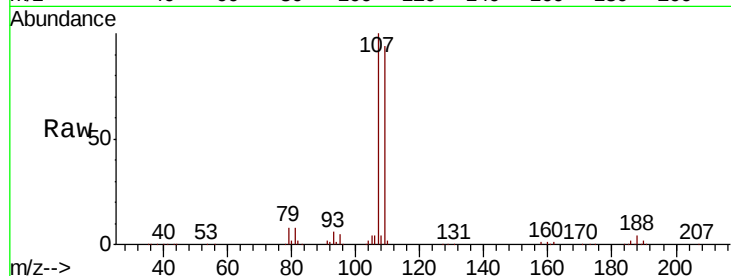




#50
 1,2-Dibromoethane
 Concen: 207.457 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025937.D
 Acq: 07 Aug 2018 12:24

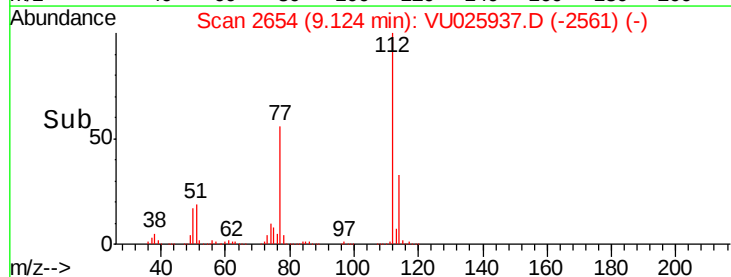
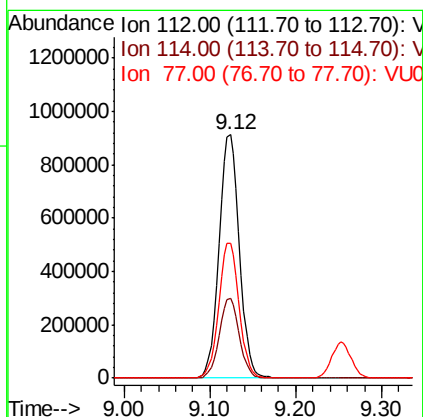
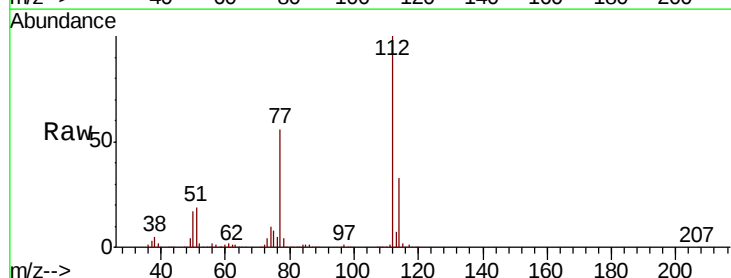
Instrument :
 MSVOA_U
 ClientSampleId :

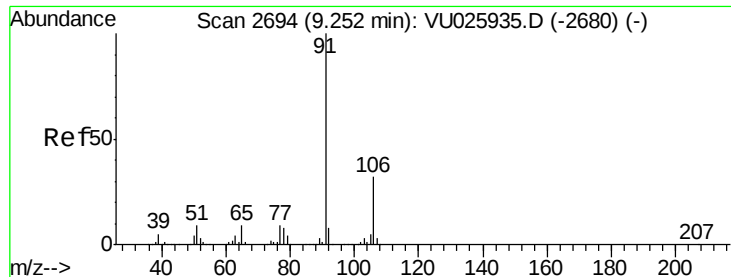
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	65.1	120.9
188	4.1	3.4	5.2



#51
 Chlorobenzene
 Concen: 204.687 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU025937.D
 Acq: 07 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.9	42.5
77	55.6	46.6	70.0





#52

Ethylbenzene

Concen: 207.219 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

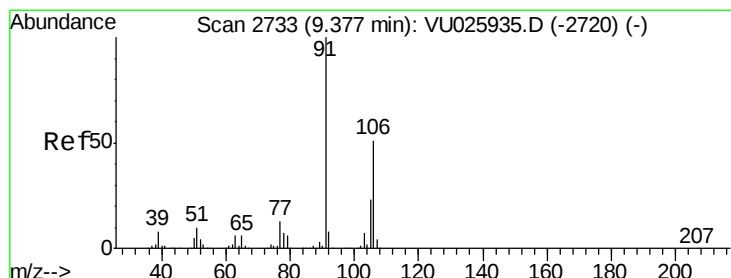
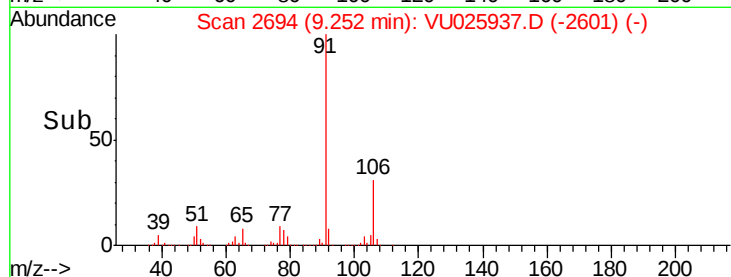
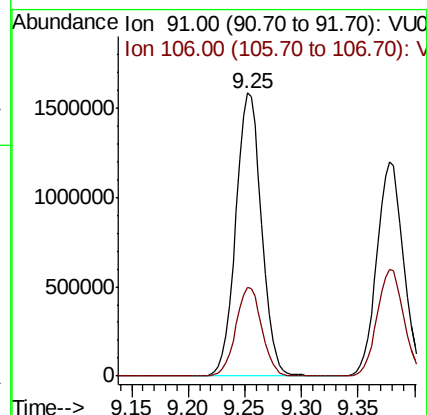
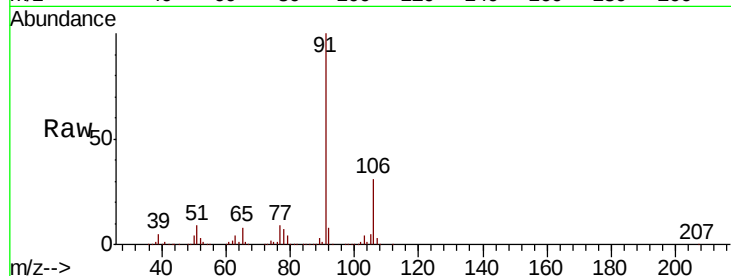
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 2509567

Ion Ratio Lower Upper

91 100

106 31.2 22.1 41.1



#53

m,p-Xylene

Concen: 206.668 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025937.D

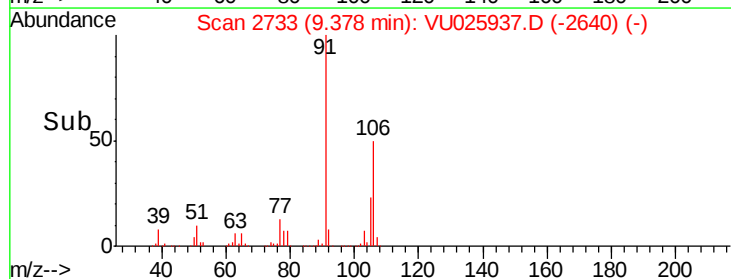
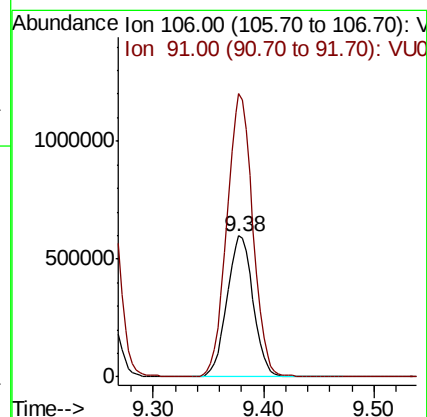
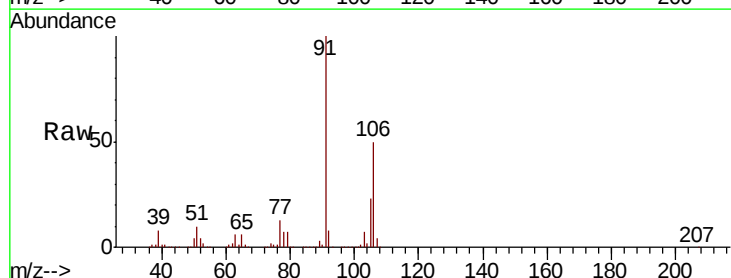
Acq: 07 Aug 2018 12:24

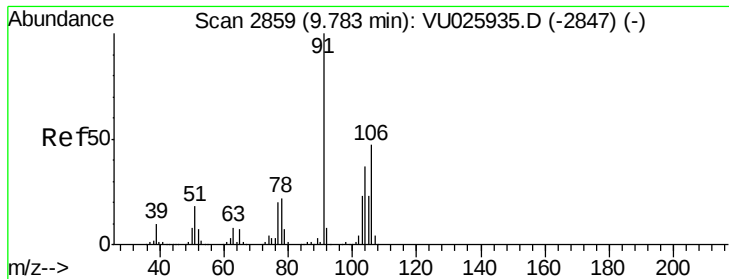
Tgt Ion:106 Resp: 981848

Ion Ratio Lower Upper

106 100

91 200.6 137.8 255.8





#54

o-xylene

Concen: 212.769 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

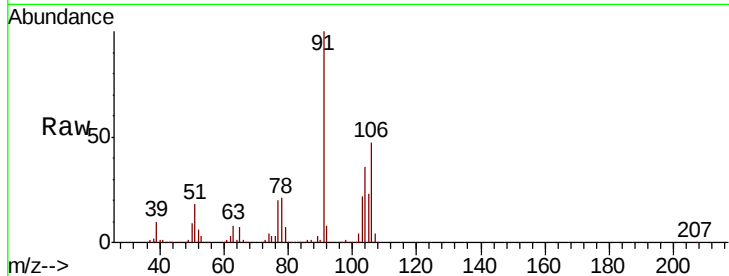
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 962534

Ion Ratio Lower Upper

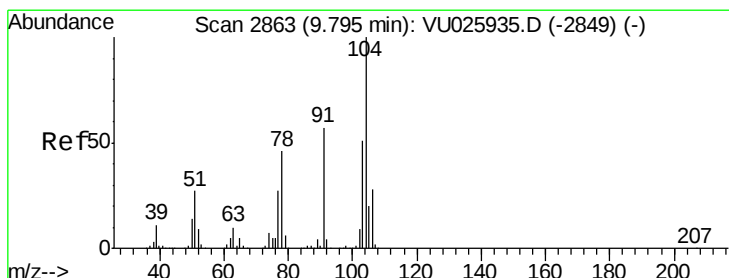
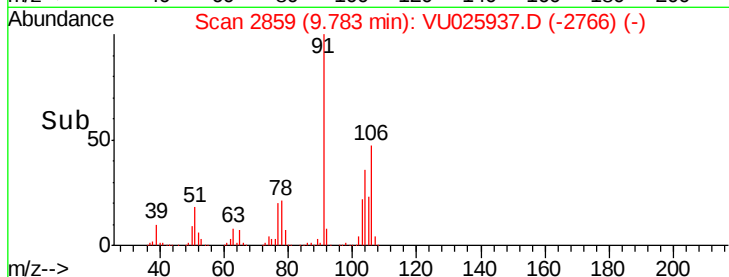
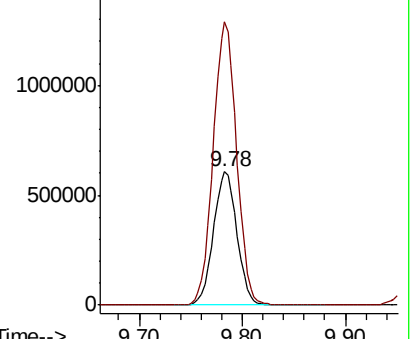
106 100

91 212.7 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): V

1500000 Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 220.069 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025937.D

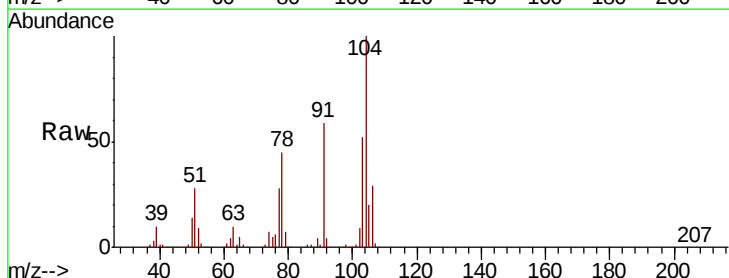
Acq: 07 Aug 2018 12:24

Tgt Ion:104 Resp: 1677475

Ion Ratio Lower Upper

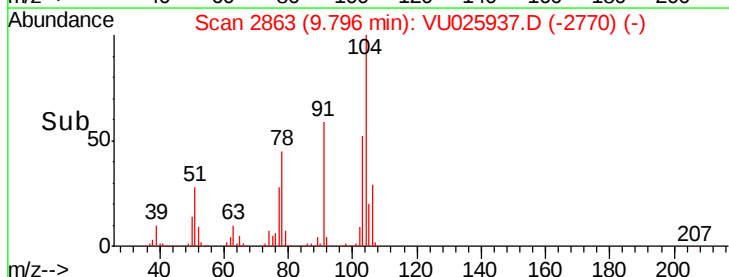
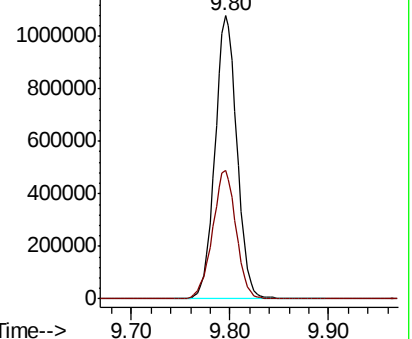
104 100

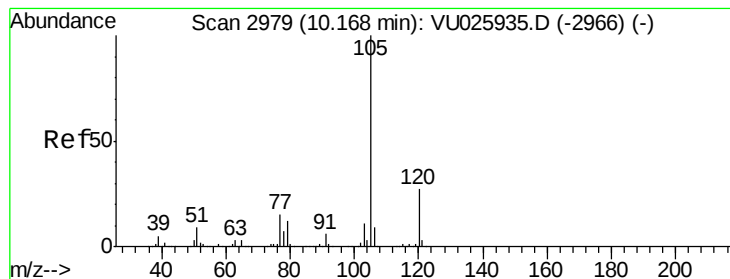
78 45.5 32.3 59.9



Abundance Ion 104.00 (103.70 to 104.70): V

1200000 Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 211.925 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

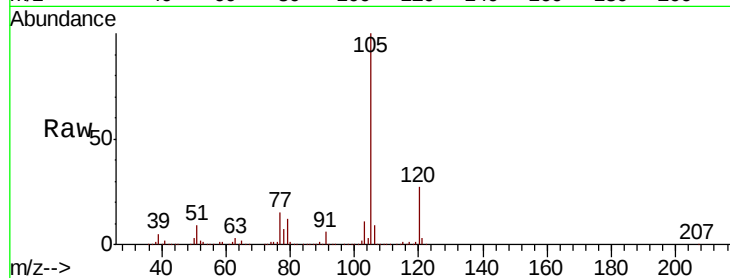
Tot Ion:105 Resp: 2548068

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

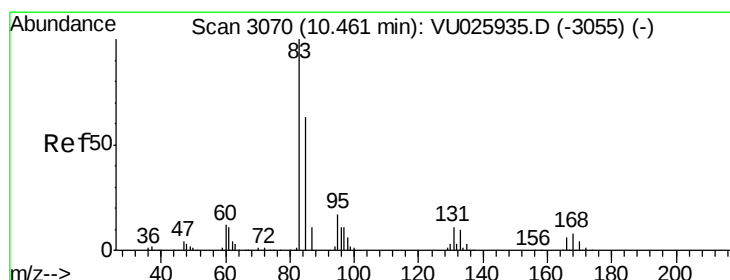
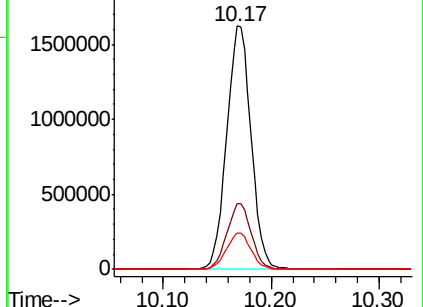
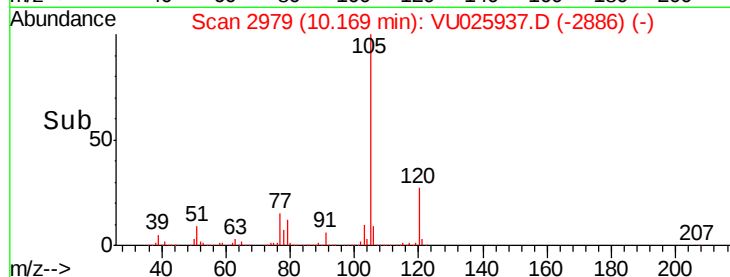
77 15.0 12.1 18.1



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: 210.332 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

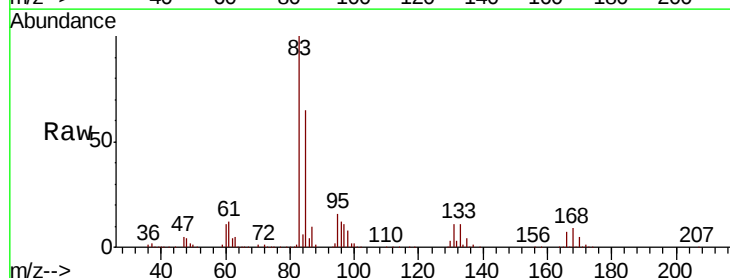
Tgt Ion: 83 Resp: 880241

Ion Ratio Lower Upper

83 100

85 65.2 44.5 82.7

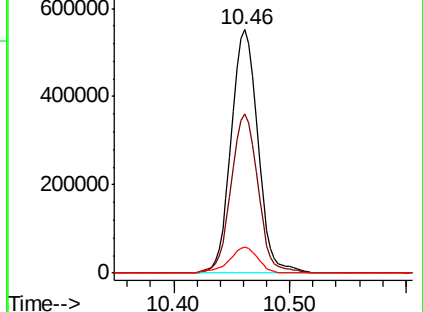
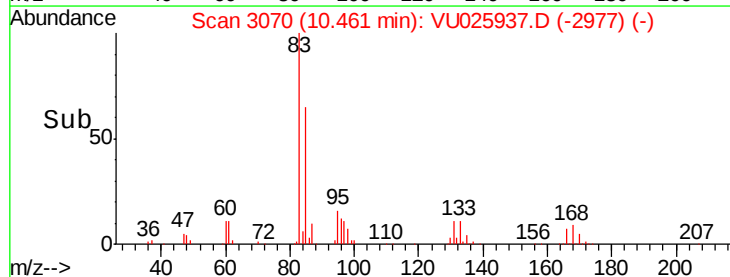
131 10.6 8.6 12.8

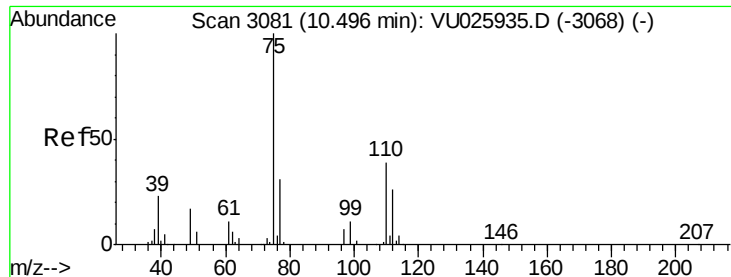


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

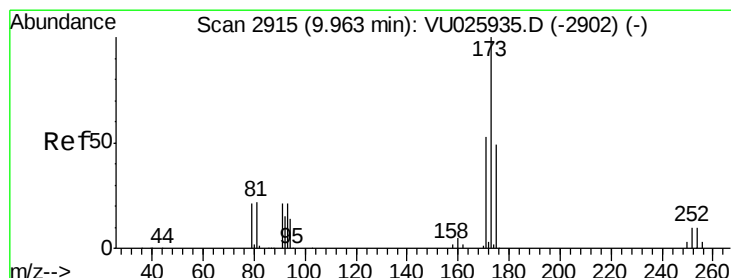
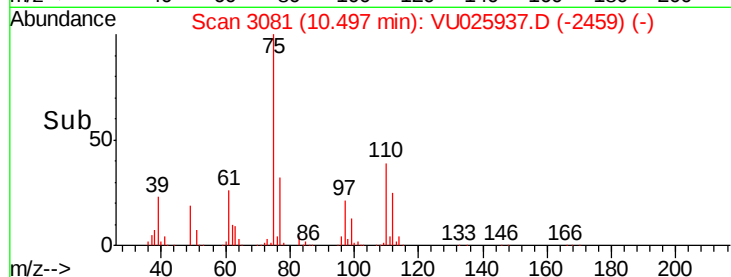
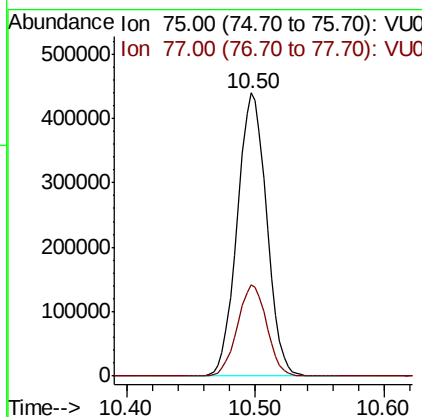
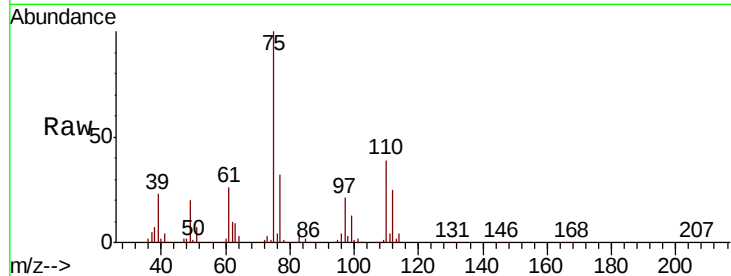




#59
 1,2,3-Trichloropropane
 Concen: 209.962 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025937.D
 Acq: 07 Aug 2018 12:24

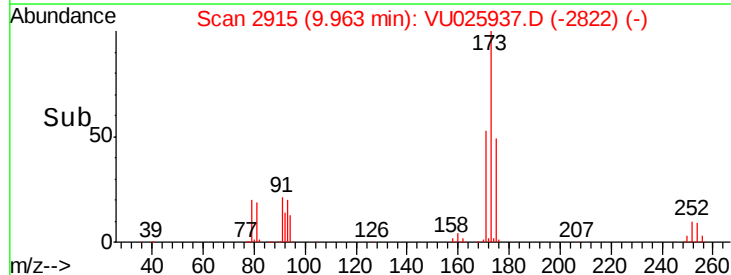
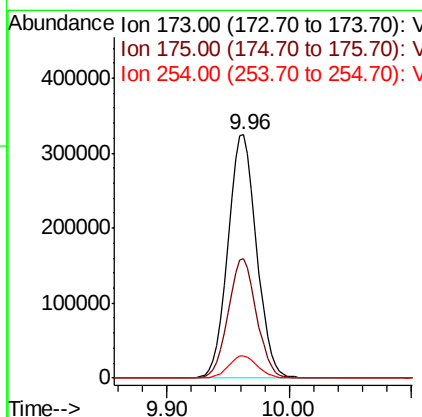
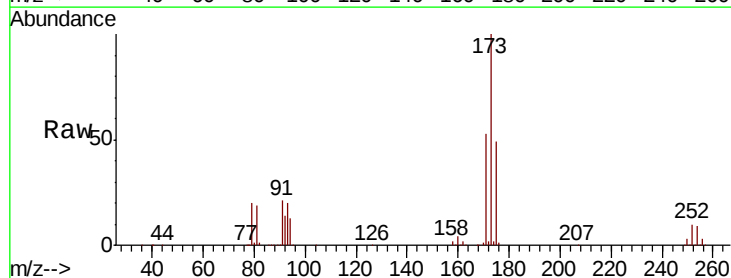
Instrument :
 MSVOA_U
 ClientSampled :

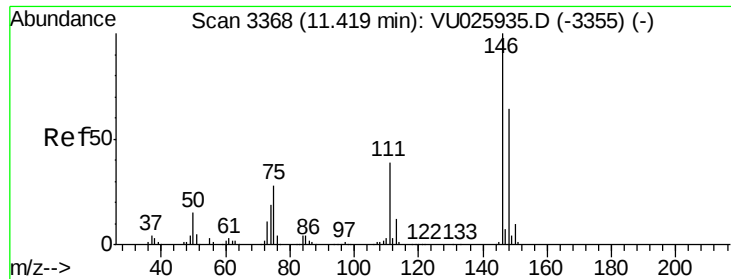
Tot Ion: 75 Resp: 696393
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3



#61
 Bromoform
 Concen: 213.935 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU025937.D
 Acq: 07 Aug 2018 12:24

Tgt Ion: 173 Resp: 532125
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.8 58.2
 254 9.2 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 199.133 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

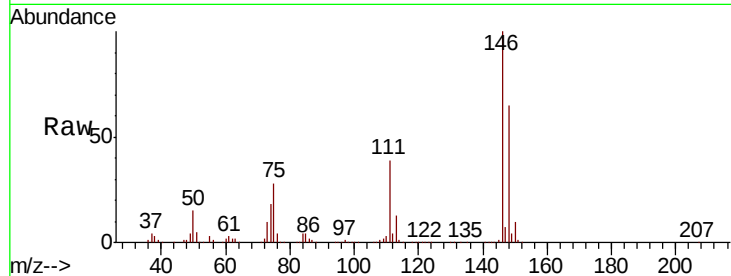
Tot Ion:146 Resp: 1297676

Ion Ratio Lower Upper

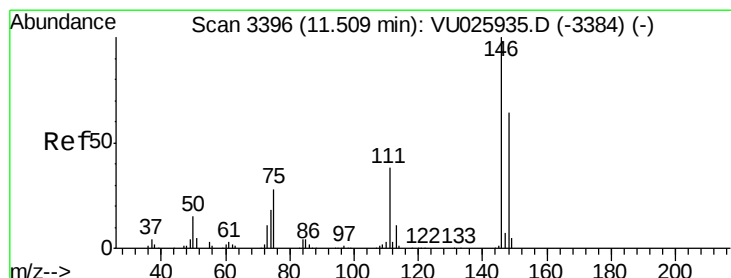
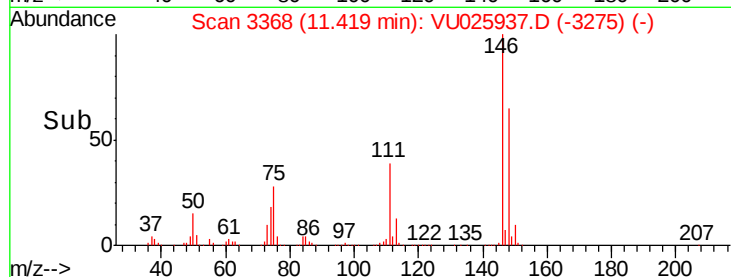
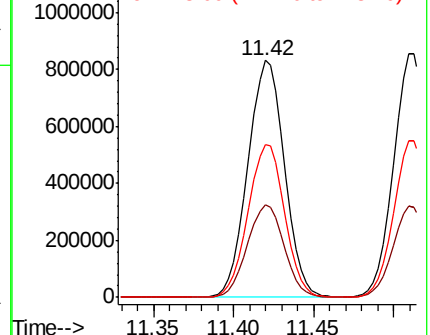
146 100

111 39.1 27.5 51.1

148 64.8 44.6 82.8



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



#63

1,4-Dichlorobenzene

Concen: 198.598 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

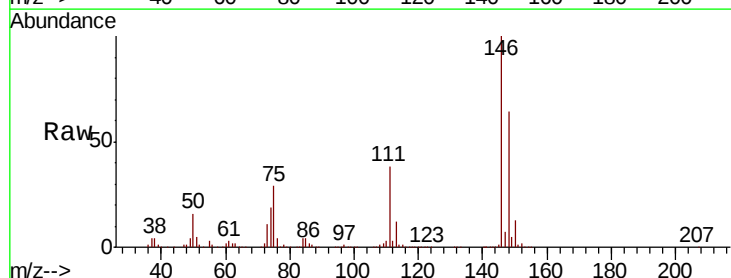
Tgt Ion:146 Resp: 1318513

Ion Ratio Lower Upper

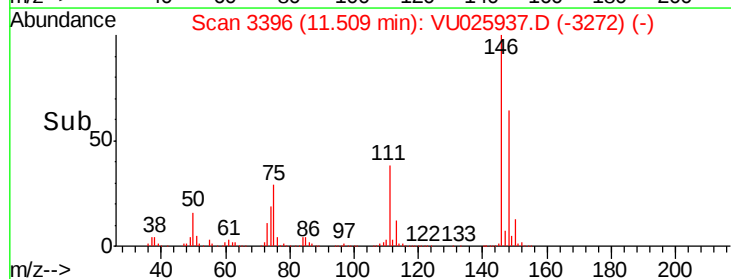
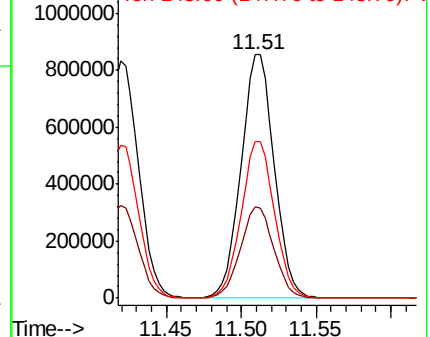
146 100

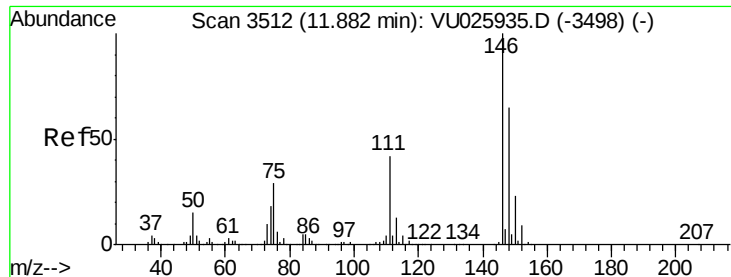
111 37.5 26.7 49.7

148 64.3 45.2 84.0



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

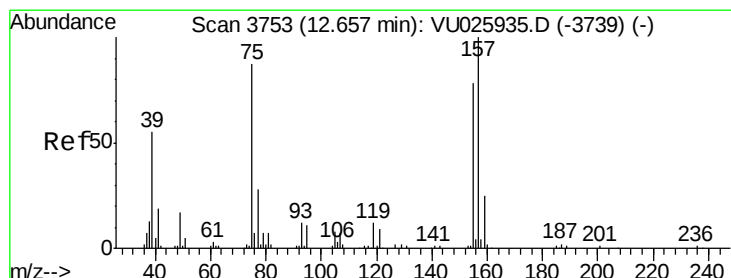
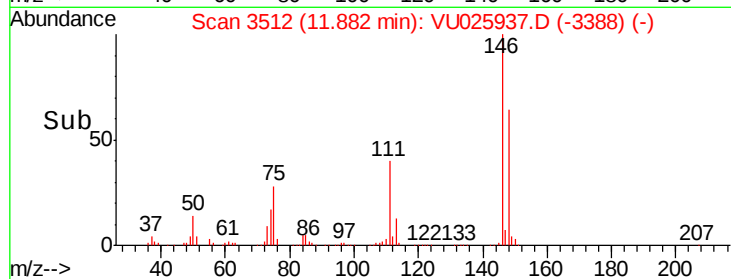
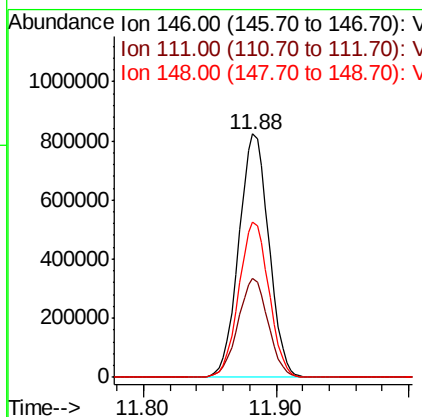
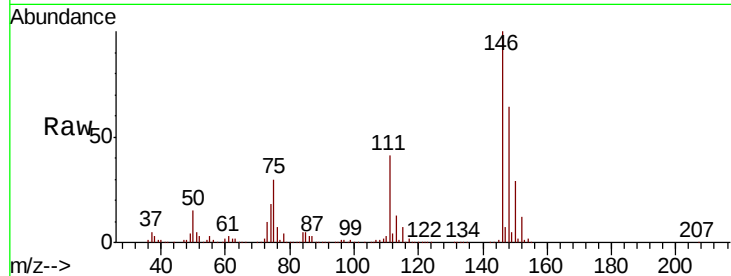




#65
 1,2-Dichlorobenzene
 Concen: 198.123 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025937.D
 Acq: 07 Aug 2018 12:24

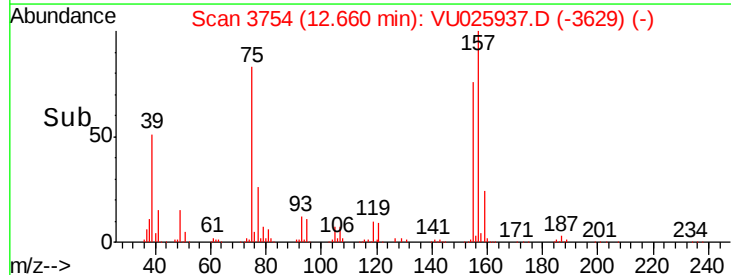
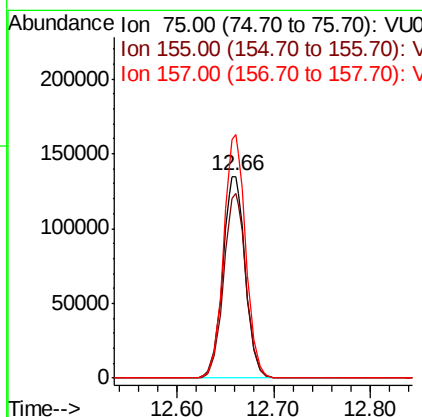
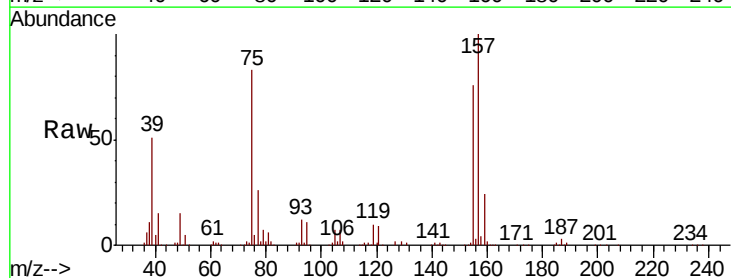
Instrument :
 MSVOA_U
 ClientSampleId :

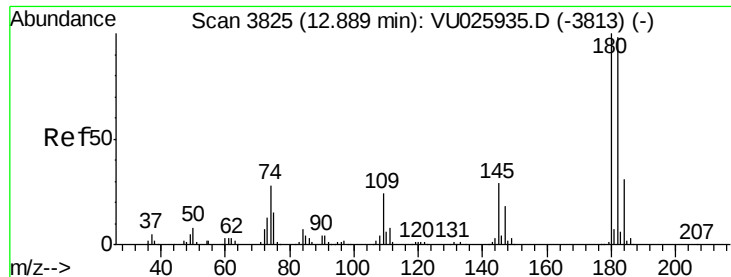
Tot Ion:146 Resp: 1294571
 Ion Ratio Lower Upper
 146 100
 111 40.5 33.4 50.0
 148 63.9 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 216.948 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025937.D
 Acq: 07 Aug 2018 12:24

Tgt Ion: 75 Resp: 215430
 Ion Ratio Lower Upper
 75 100
 155 91.7 71.4 107.2
 157 120.6 92.0 138.0

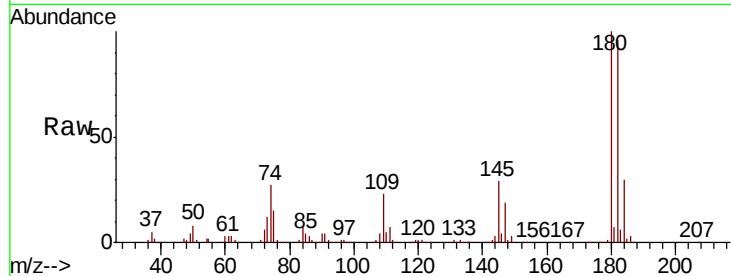




#67
 1,3,5-Trichlorobenzene
 Concen: 207.584 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025937.D
 Acq: 07 Aug 2018 12:24

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.8	116.6
184	30.6	24.6	37.0
145	28.9	23.4	35.0



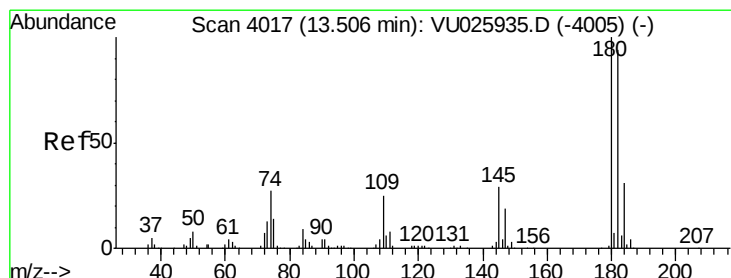
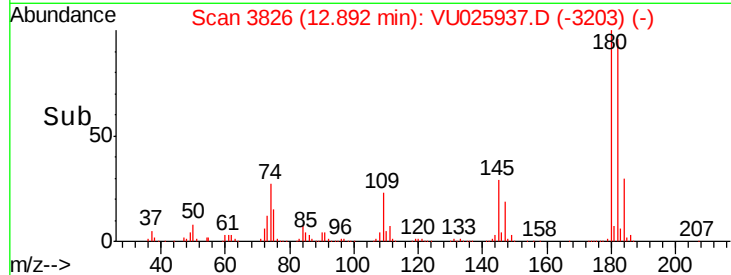
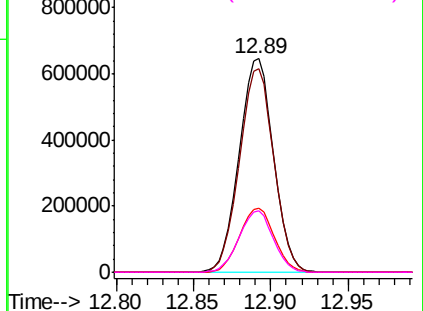
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

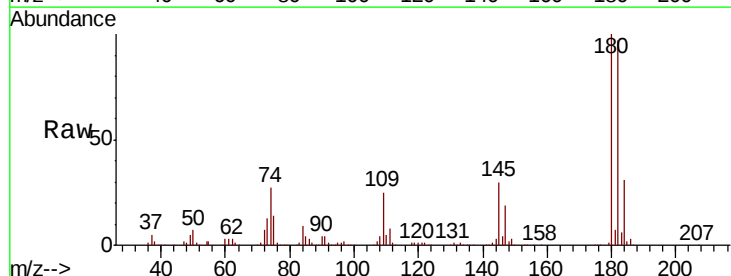
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 216.300 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025937.D
 Acq: 07 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.3	112.9
145	30.0	23.1	34.7

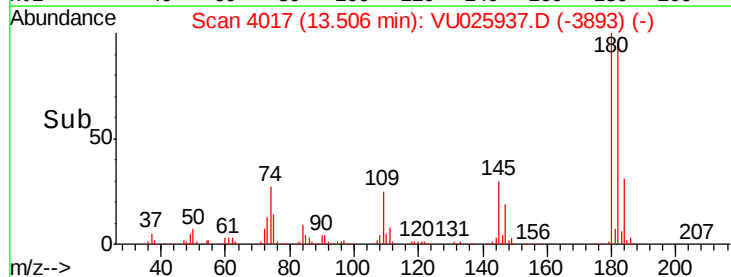
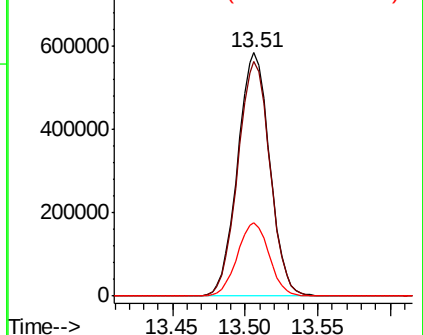


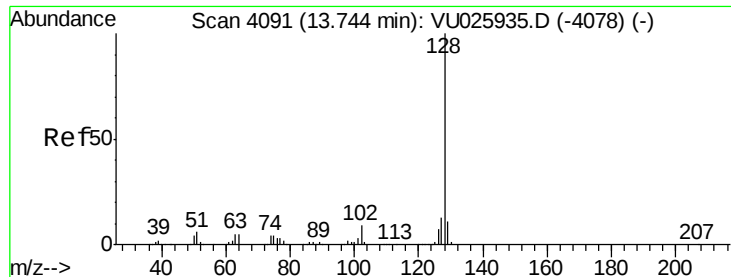
Abundance

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: 228.886 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

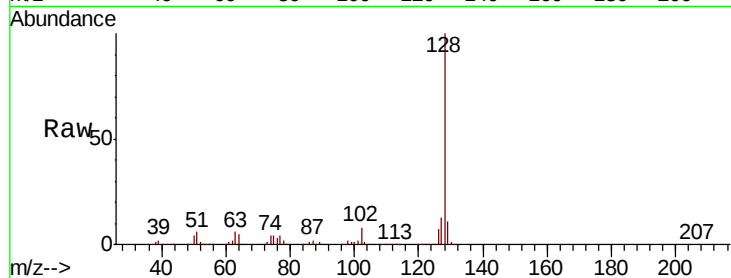
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 2803257

Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.8	14.8
129	10.9	8.5	12.7

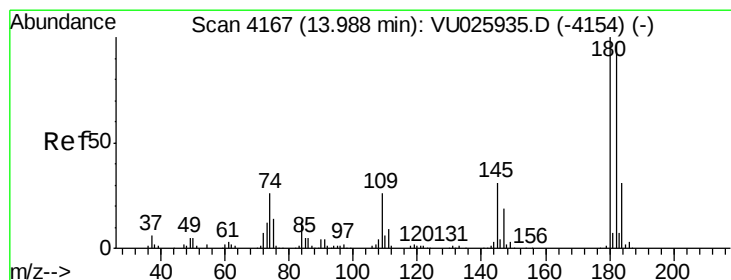
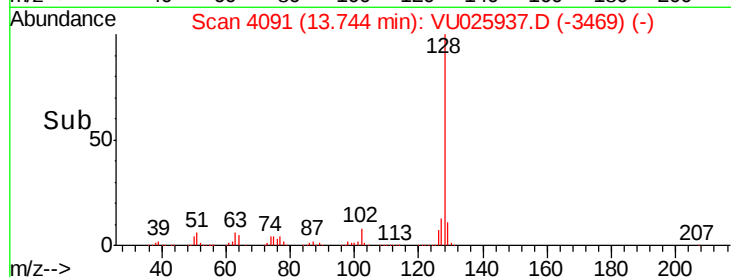
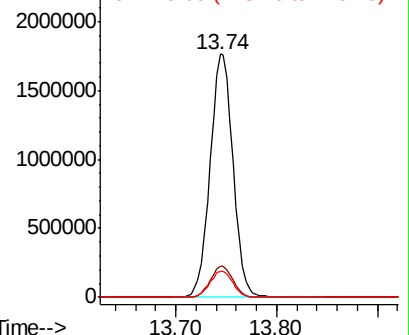


Abundance

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: 211.876 ug/L

RT: 13.99 min Scan# 4168

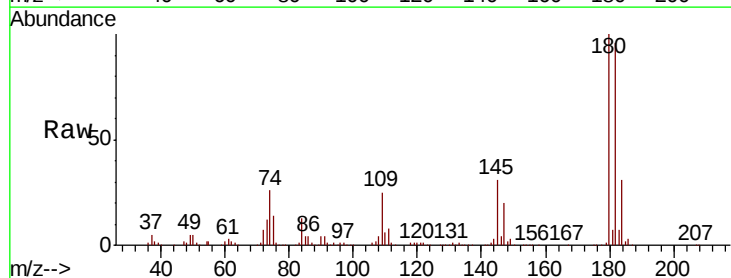
Delta R.T. 0.00 min

Lab File: VU025937.D

Acq: 07 Aug 2018 12:24

Tgt Ion:180 Resp: 904673

Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.6	116.4
145	31.7	25.3	37.9



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

