

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028113.D
 Acq On : 14 Nov 2018 11:15
 Operator : MD/SY
 Sample : VSTD01047
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 04:07:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 04:03:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	180375	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	169760	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	83212	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	149870	10.01	ug/L	0.00
7) Chloroethane-d5	1.68	69	119982	10.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	278454	9.96	ug/L	0.00
20) 2-Butanone-d5	4.21	46	446836	102.93	ug/L	0.00
24) Chloroform-d	4.65	84	240781	10.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	129549	9.75	ug/L	0.00
32) Benzene-d6	5.34	84	498482	10.23	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	174386	10.00	ug/L	0.00
41) Toluene-d8	7.57	98	452501	9.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	66840	10.75	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	373332	105.11	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	126014	10.23	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	155344	9.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	152356	9.576	ug/L 98
3) Chloromethane	1.33	50	201341	9.901	ug/L 98
5) Vinyl chloride	1.40	62	189172	9.791	ug/L 99
6) Bromomethane	1.63	94	94049	10.163	ug/L 100
8) Chloroethane	1.70	64	109435	9.409	ug/L 98
9) Trichlorofluoromethane	1.89	101	206532	9.800	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	116149	9.817	ug/L 97
12) 1,1-Dichloroethene	2.29	96	116438	9.709	ug/L 95
13) Acetone	2.35	43	277108	94.778	ug/L 99
14) Carbon disulfide	2.48	76	386993	9.623	ug/L 98
15) Methyl Acetate	2.63	43	73084	9.347	ug/L 97
16) Methylene chloride	2.70	84	127881	9.025	ug/L 98
17) Methyl tert-butyl Ether	3.01	73	323960	9.662	ug/L 99
18) trans-1,2-Dichloroethene	2.98	96	121335	9.516	ug/L 99
19) 1,1-Dichloroethane	3.45	63	260228	9.704	ug/L 98
21) 2-Butanone	4.30	43	460262	99.750	ug/L 99
22) cis-1,2-Dichloroethene	4.23	96	139103	9.895	ug/L 98
23) Bromochloromethane	4.55	128	54964	9.894	ug/L 94
25) Chloroform	4.68	83	235326	9.784	ug/L 99
27) 1,2-Dichloroethane	5.41	62	153464	9.707	ug/L 99
29) 1,1,1-Trichloroethane	4.92	97	191496	9.967	ug/L 99
30) Cyclohexane	4.99	56	265381	9.850	ug/L 99
31) Carbon tetrachloride	5.13	117	160399	10.059	ug/L 99
33) Benzene	5.39	78	558549	9.767	ug/L 100
34) Trichloroethene	6.19	95	136862	9.683	ug/L 98
35) Methylcyclohexane	6.41	83	238500	9.815	ug/L 98
37) 1,2-Dichloropropane	6.44	63	156511	9.896	ug/L 99
38) Bromodichloromethane	6.76	83	167257	9.939	ug/L 97
39) cis-1,3-Dichloropropene	7.27	75	220324	10.304	ug/L 97
40) 4-Methyl-2-pentanone	7.47	43	1092006	100.267	ug/L 100

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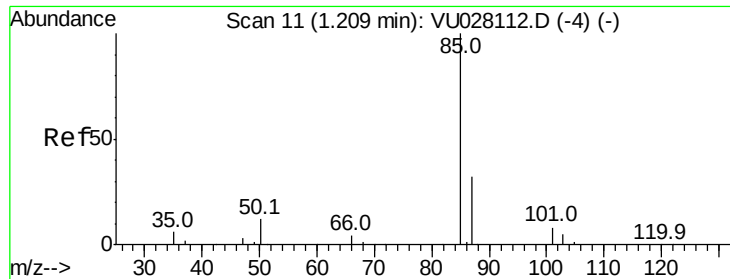
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 04:07:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 04:03:54 2018
 Response via : Initial Calibration

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

42) Toluene	7.64	91	587398	9.961	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	169895	10.140	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	94781	9.927	ug/L	99
47) Tetrachloroethene	8.23	164	100432	8.740	ug/L	95
48) 2-Hexanone	8.37	43	780716	100.746	ug/L	99
49) Dibromochloromethane	8.48	129	102536	10.088	ug/L	100
50) 1,2-Dibromoethane	8.59	107	90887	10.110	ug/L	98
51) Chlorobenzene	9.12	112	337002	9.774	ug/L	98
52) Ethylbenzene	9.25	91	643812	10.003	ug/L	99
53) m,p-xylene	9.38	106	230973	9.850	ug/L	99
54) o-xylene	9.78	106	226781	10.045	ug/L	97
55) Styrene	9.79	104	387659	10.154	ug/L	98
56) Isopropylbenzene	10.17	105	609972	9.989	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	122457	9.950	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	88537	9.967	ug/L	99
61) Bromoform	9.96	173	54727	9.727	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	258122	9.810	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	259196	9.732	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	243837	9.691	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	19285	10.563	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	202262	10.021	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	177323	10.079	ug/L	98
69) Naphthalene	13.74	128	334922	10.215	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	163336	10.078	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 9.576 ug/L

RT: 1.21 min Scan# 11

Delta R.T. -0.00 min

Lab File: VU028113.D

Acq: 14 Nov 2018 11:15

Instrument :

MSVOA_U

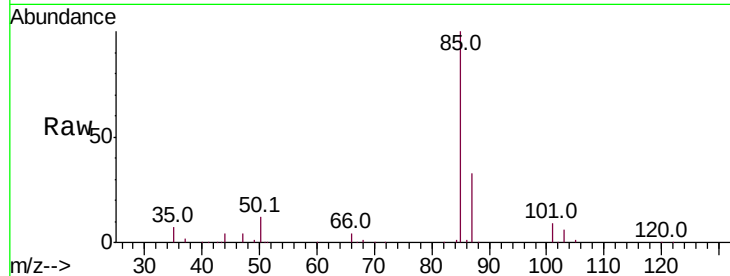
ClientSampleId :

Tot Ion: 85 Resp: 152356

Ion Ratio Lower Upper

85 100

87 33.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU028113.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VU028113.D (-4) (-)

1.21

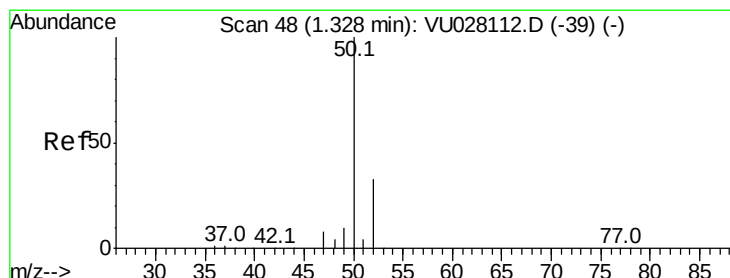
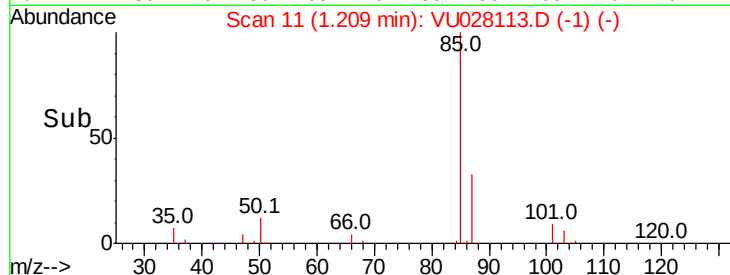
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 9.901 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028113.D

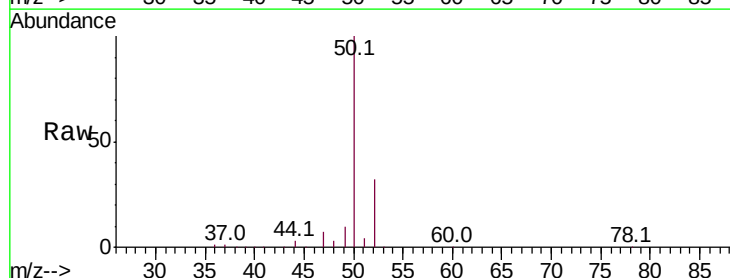
Acq: 14 Nov 2018 11:15

Tgt Ion: 50 Resp: 201341

Ion Ratio Lower Upper

50 100

52 31.5 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU028113.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU028113.D (-1) (-)

1.33

200000

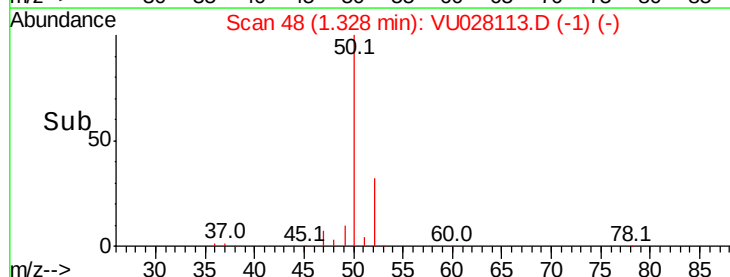
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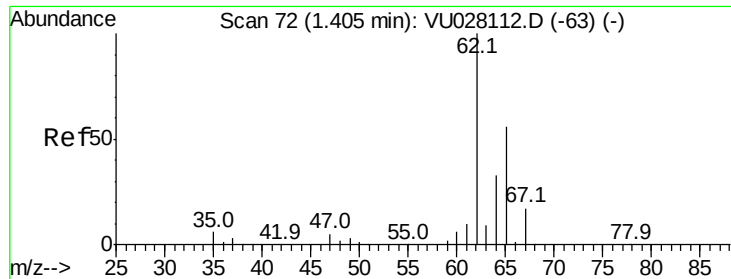
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 9.791 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028113.D

Acq: 14 Nov 2018 11:15

Instrument :

MSVOA_U

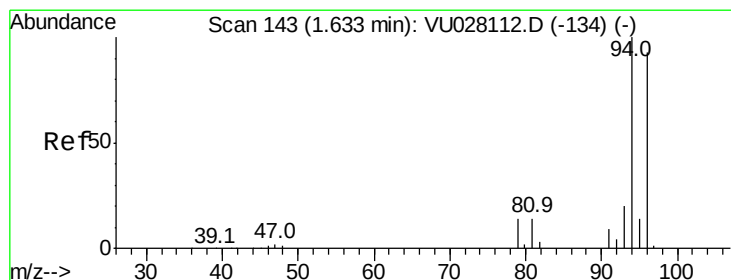
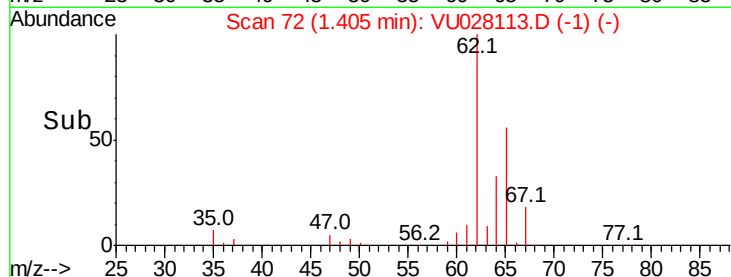
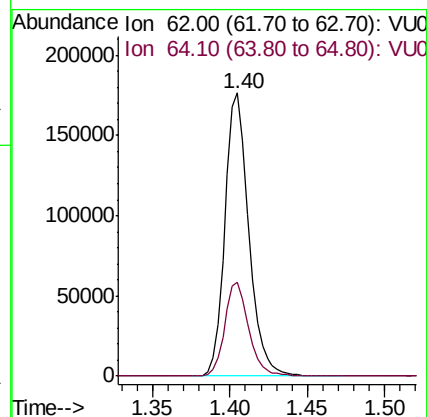
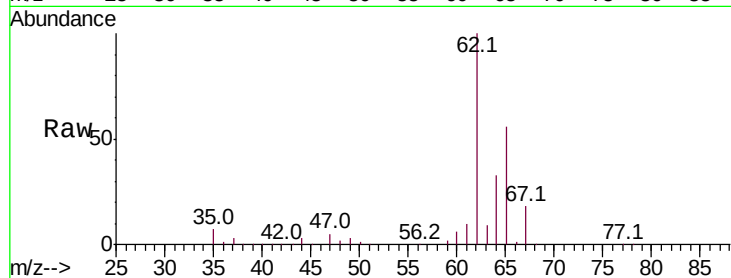
ClientSampleId :

Tot Ion: 62 Resp: 189172

Ion Ratio Lower Upper

62 100

64 33.0 22.7 42.3



#6

Bromomethane

Concen: 10.163 ug/L

RT: 1.63 min Scan# 143

Delta R.T. -0.00 min

Lab File: VU028113.D

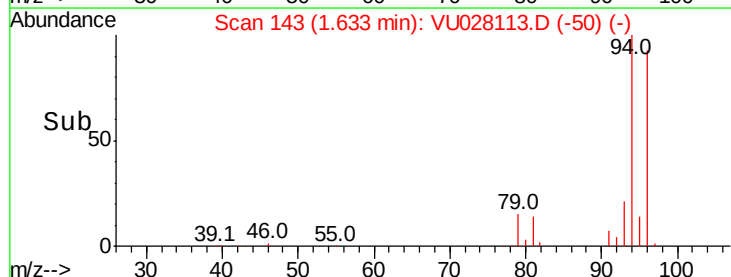
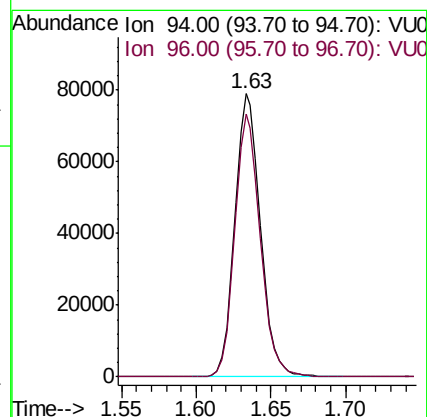
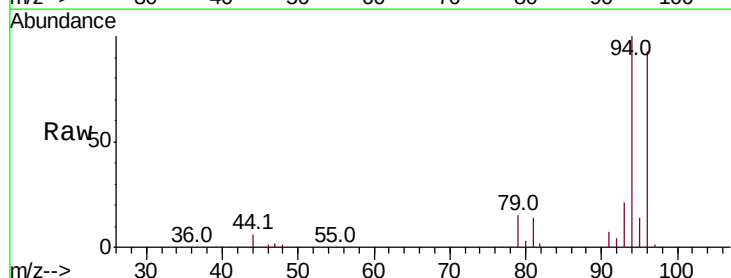
Acq: 14 Nov 2018 11:15

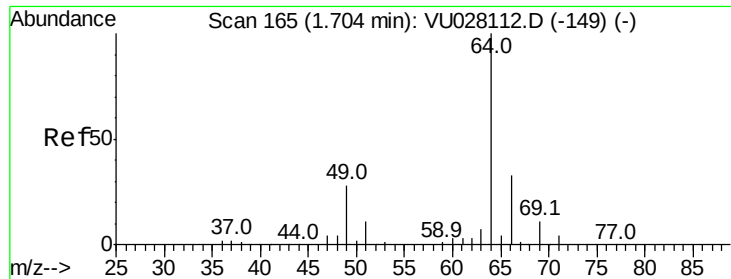
Tgt Ion: 94 Resp: 94049

Ion Ratio Lower Upper

94 100

96 92.9 65.1 120.9

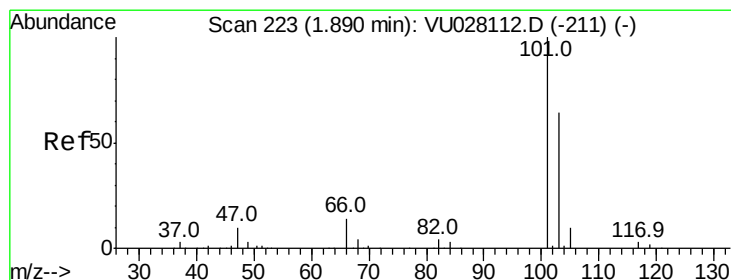
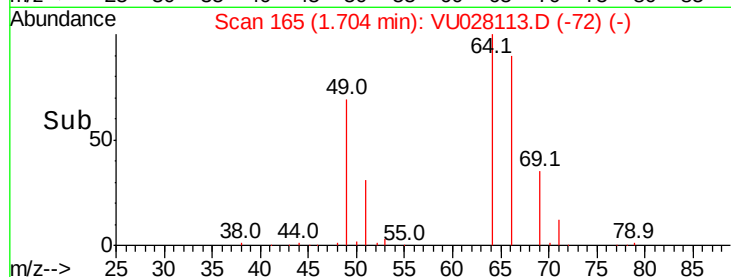
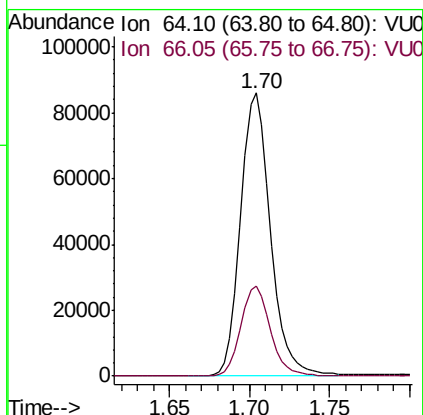
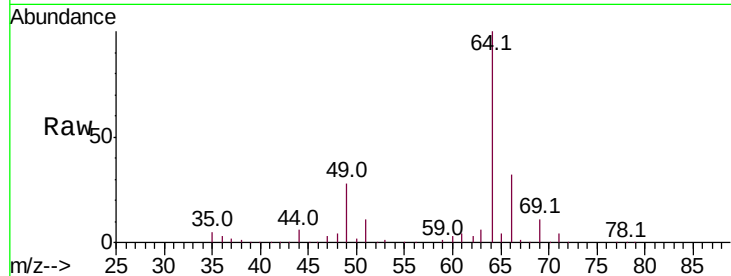




#8
Chloroethane
Concen: 9.409 ug/L
RT: 1.70 min Scan# 165
Delta R.T. -0.00 min
Lab File: VU028113.D
Acq: 14 Nov 2018 11:15

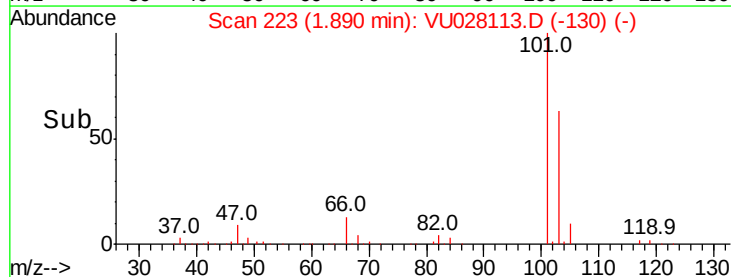
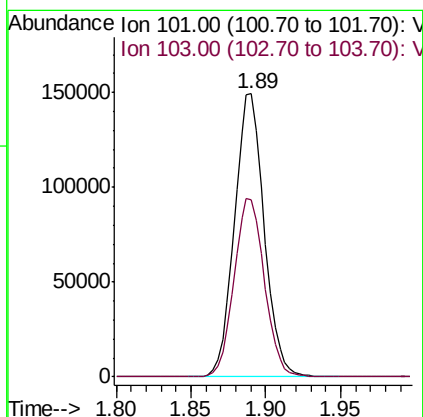
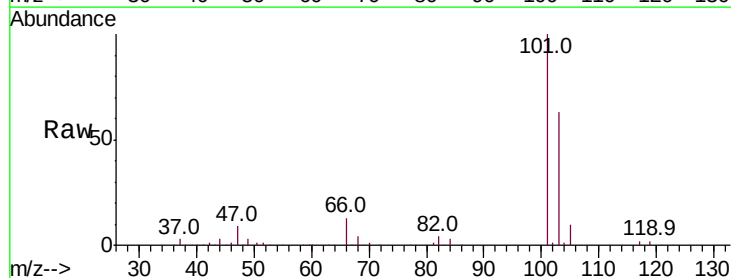
Instrument :
MSVOA_U
ClientSampleId :

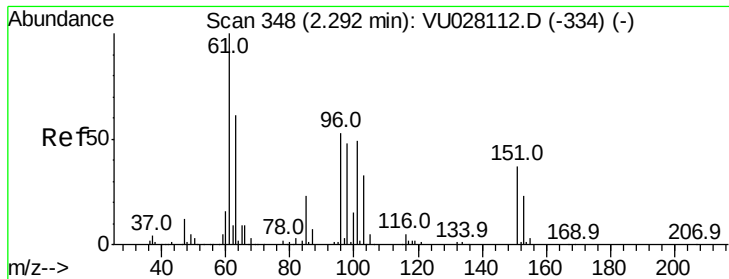
Tot Ion: 64 Resp: 109435
Ion Ratio Lower Upper
64 100
66 32.0 23.1 42.9



#9
Trichlorofluoromethane
Concen: 9.800 ug/L
RT: 1.89 min Scan# 223
Delta R.T. -0.00 min
Lab File: VU028113.D
Acq: 14 Nov 2018 11:15

Tgt Ion:101 Resp: 206532
Ion Ratio Lower Upper
101 100
103 64.3 51.2 76.8





#10

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

Concen: 9.817 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU028113.D

Acq: 14 Nov 2018 11:15

Instrument :

MSVOA_U

ClientSampled :

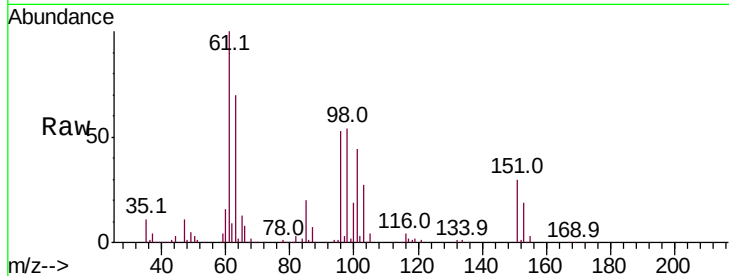
Tot Ion:101 Resp: 116149

Ion Ratio Lower Upper

101 100

85 44.8 37.6 56.4

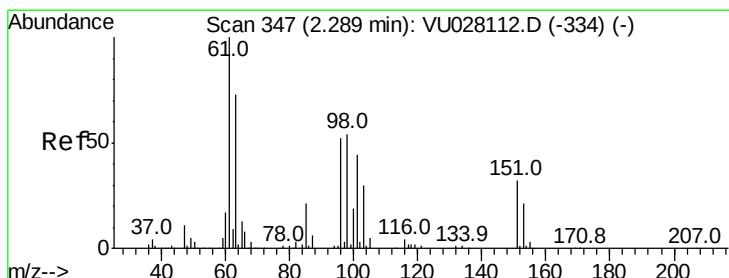
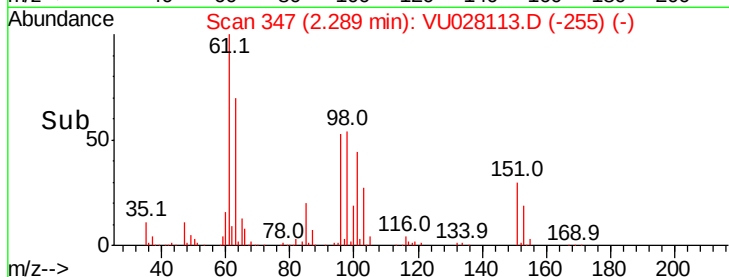
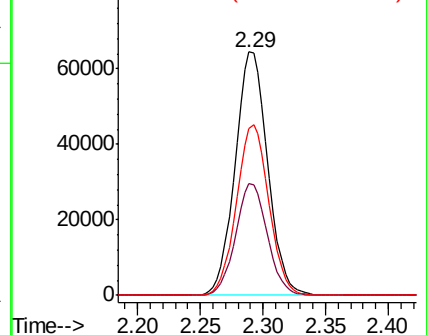
151 69.8 58.2 87.2



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: 9.709 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU028113.D

Acq: 14 Nov 2018 11:15

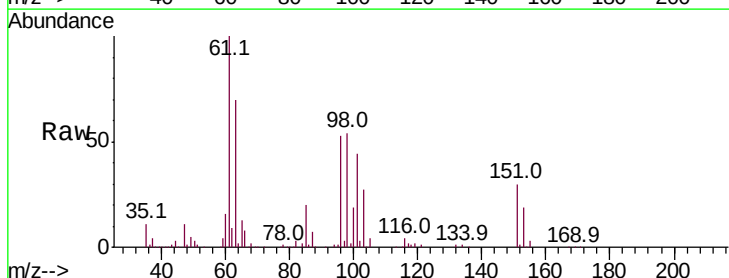
Tgt Ion: 96 Resp: 116438

Ion Ratio Lower Upper

96 100

61 188.9 134.8 250.3

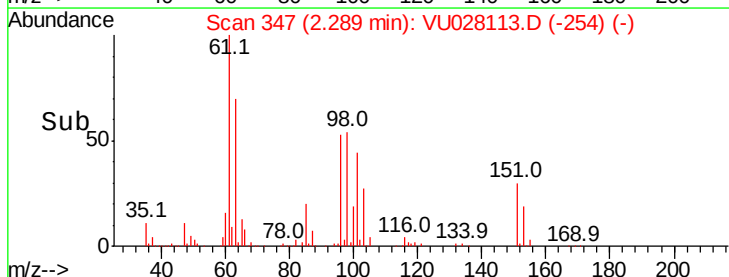
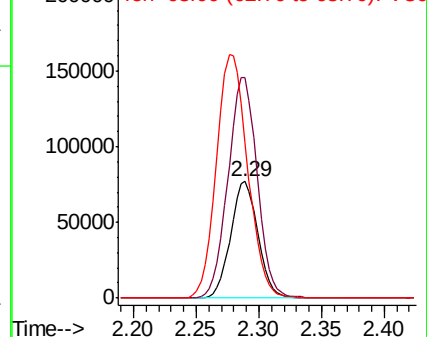
63 132.7 100.1 185.9

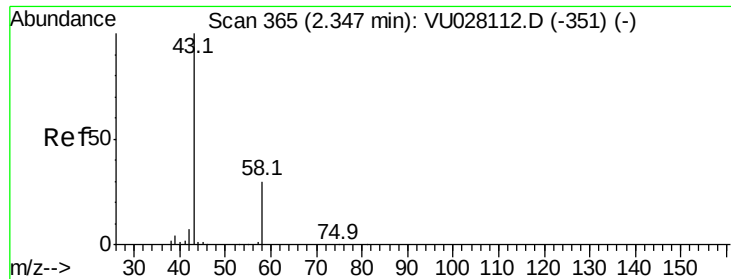


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 94.778 ug/L

RT: 2.35 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU028113.D

Acq: 14 Nov 2018 11:15

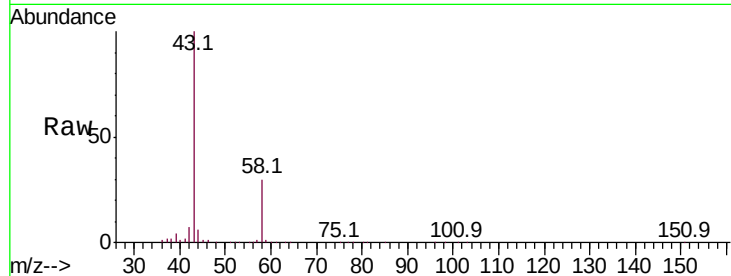
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 277108

Ion Ratio Lower Upper

43 100

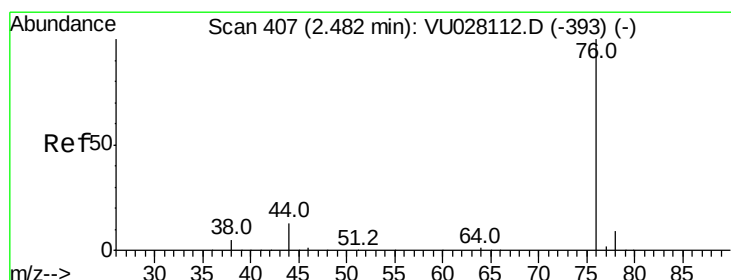
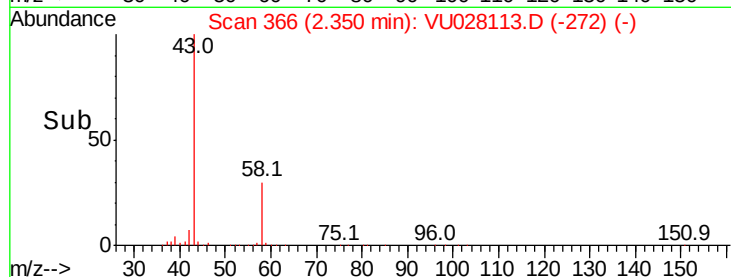
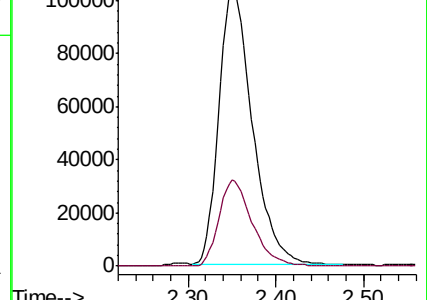
58 30.5 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU028112.D (-351) (-)

Ion 58.05 (57.75 to 58.75): VU028112.D (-351) (-)

2.35



#14

Carbon disulfide

Concen: 9.623 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028113.D

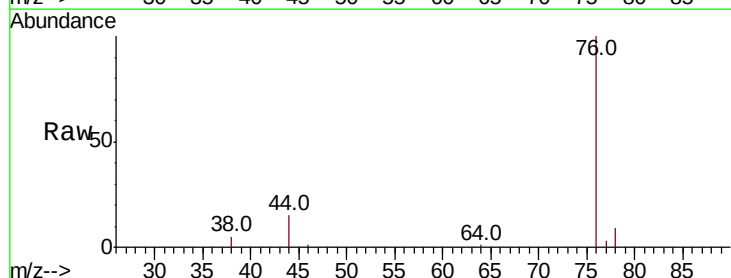
Acq: 14 Nov 2018 11:15

Tgt Ion: 76 Resp: 386993

Ion Ratio Lower Upper

76 100

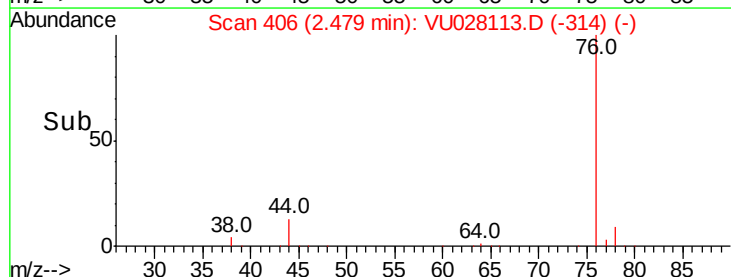
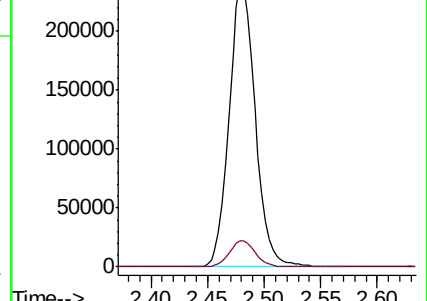
78 9.3 7.0 10.4

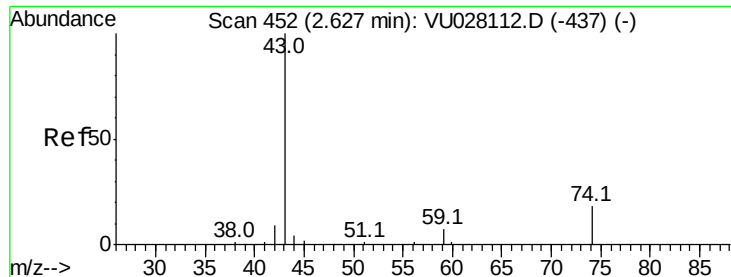


Abundance Ion 76.05 (75.75 to 76.75): VU028112.D (-393) (-)

Ion 78.00 (77.70 to 78.70): VU028112.D (-393) (-)

2.48

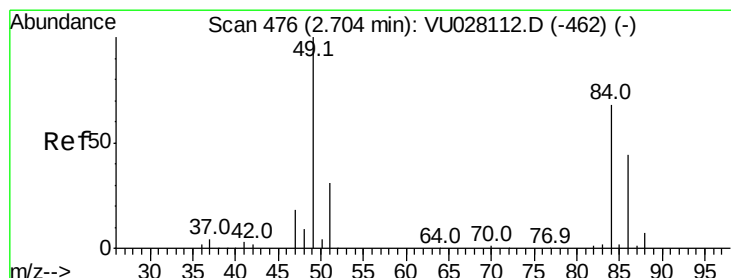
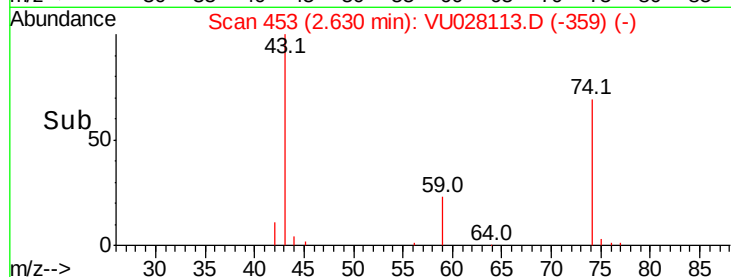
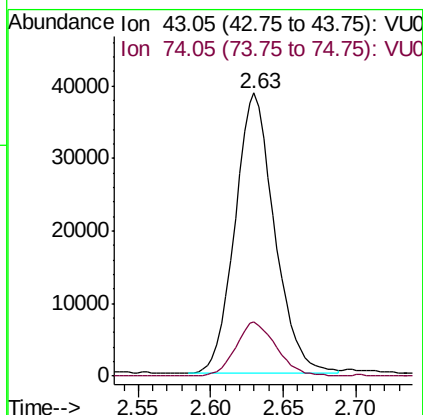
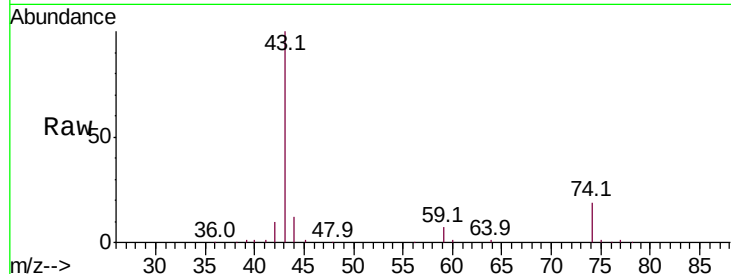




#15
Methyl Acetate
Concen: 9.347 ug/L
RT: 2.63 min Scan# 453
Delta R.T. 0.00 min
Lab File: VU028113.D
Acq: 14 Nov 2018 11:15

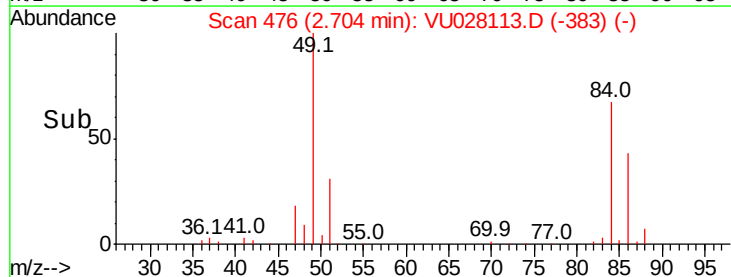
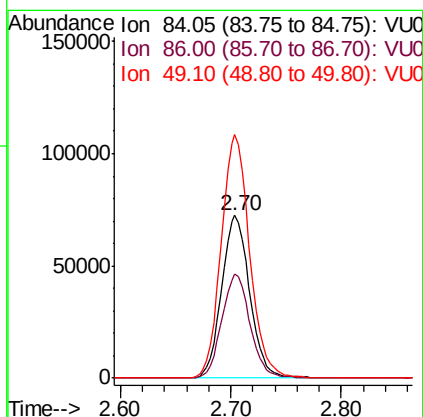
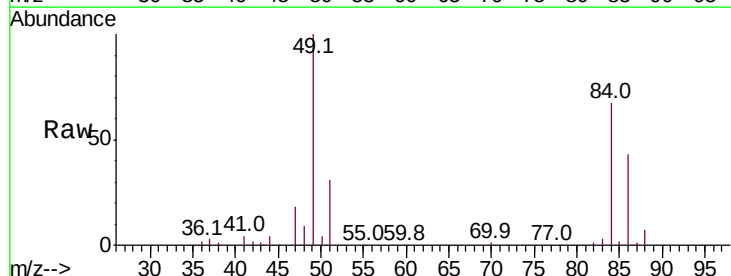
Instrument :
MSVOA_U
ClientSampleId :

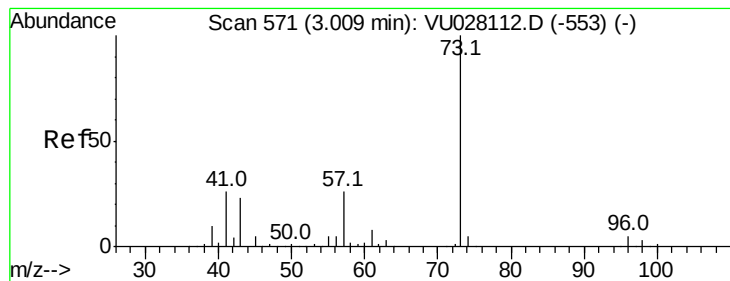
Tot Ion: 43 Resp: 73084
Ion Ratio Lower Upper
43 100
74 19.8 14.9 22.3



#16
Methylene chloride
Concen: 9.025 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU028113.D
Acq: 14 Nov 2018 11:15

Tgt Ion: 84 Resp: 127881
Ion Ratio Lower Upper
84 100
86 63.7 44.6 82.8
49 149.9 102.5 190.3



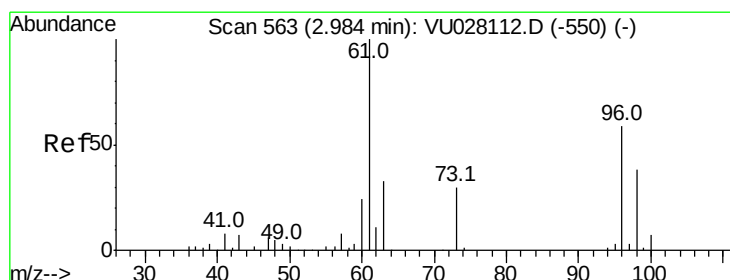
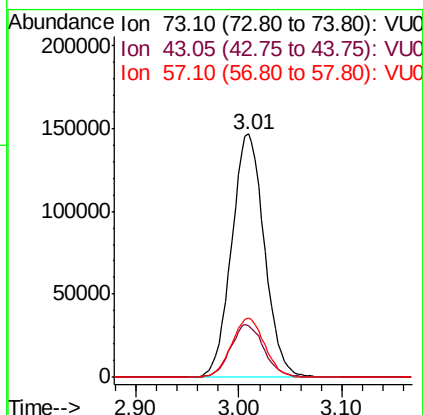
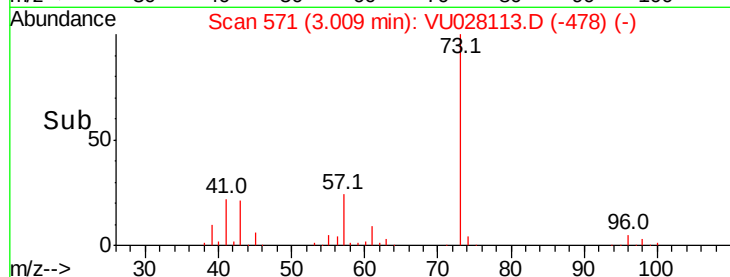
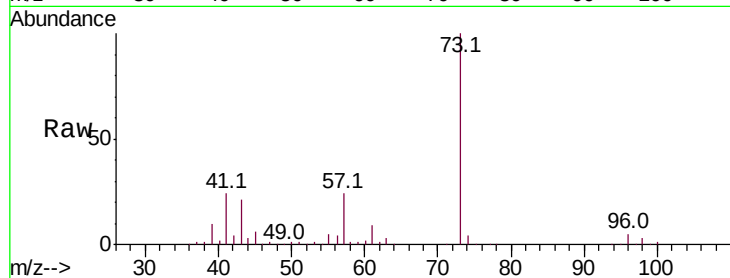


#17

Methyl tert-butyl Ether
 Concen: 9.662 ug/L
 RT: 3.01 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Instrument :
 MSVOA_U
 ClientSampleId :

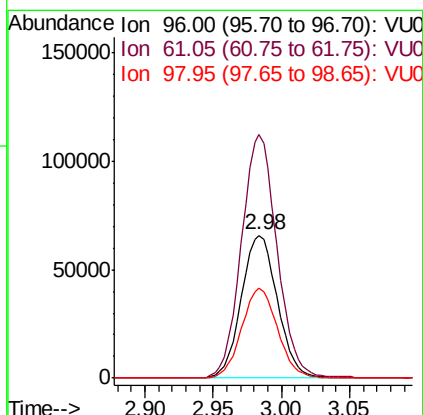
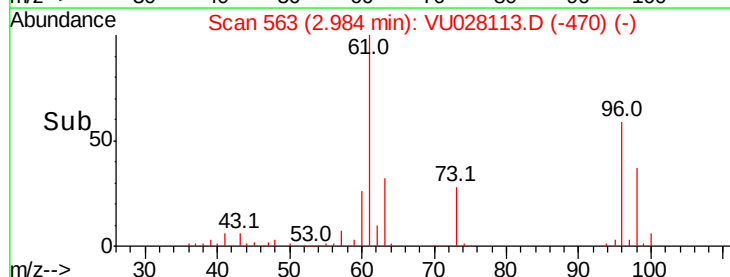
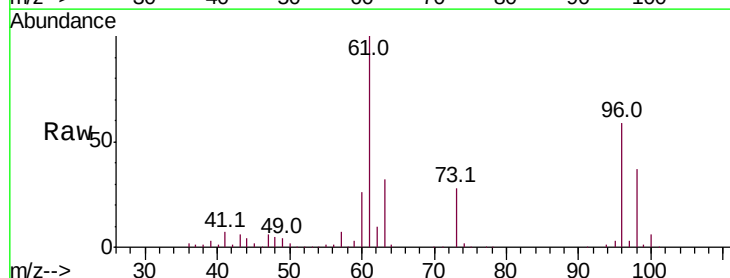
Tot Ion:	73	Resp:	323960
Ion	Ratio	Lower	Upper
73	100		
43	21.5	18.1	27.1
57	24.8	20.0	30.0

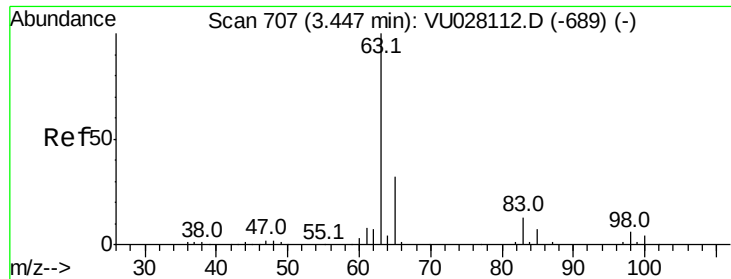


#18

trans-1,2-Dichloroethene
 Concen: 9.516 ug/L
 RT: 2.98 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Tgt Ion:	96	Resp:	121335
Ion	Ratio	Lower	Upper
96	100		
61	170.5	118.5	220.1
98	63.0	44.9	83.5

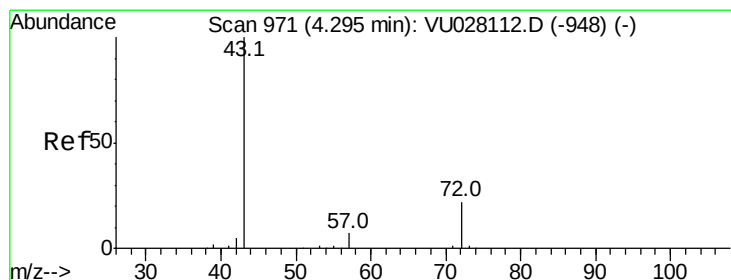
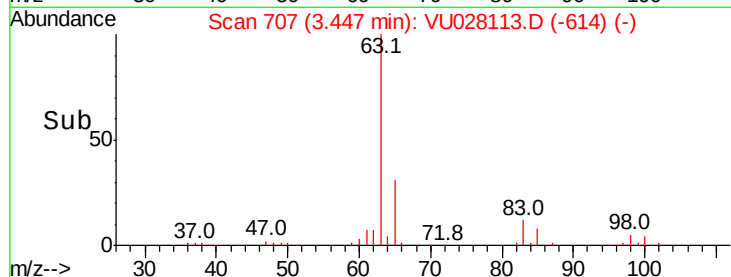
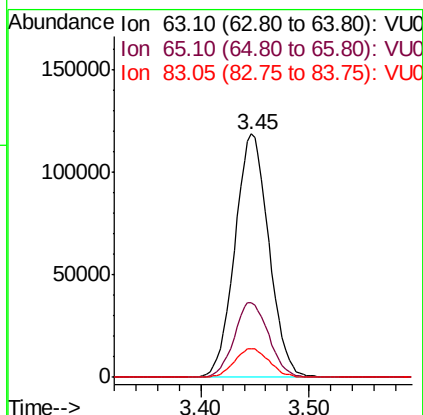
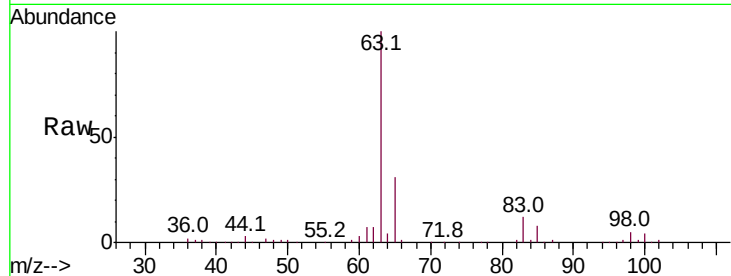




#19
 1,1-Dichloroethane
 Concen: 9.704 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

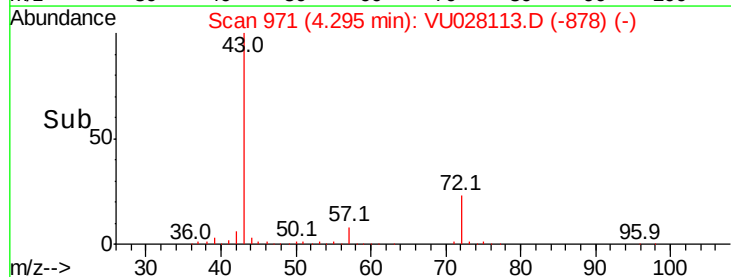
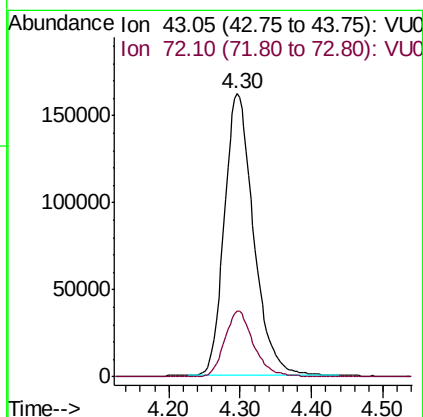
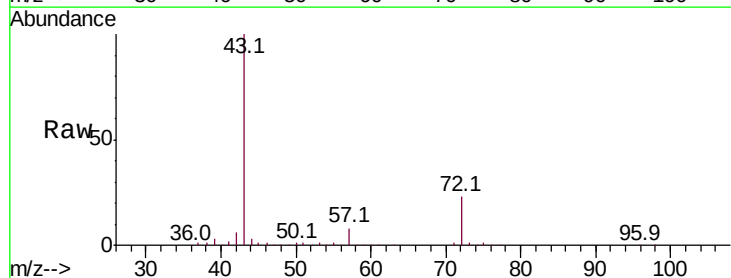
Instrument :
 MSVOA_U
 ClientSampleId :

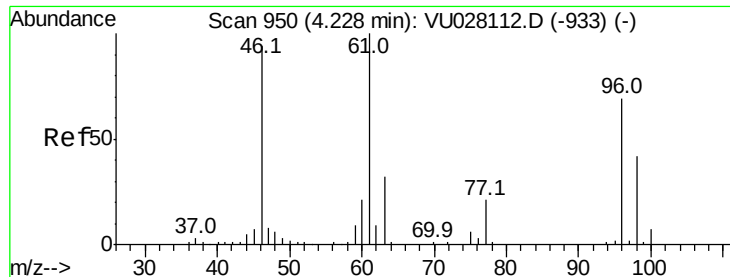
Tot Ion: 63 Resp: 260228
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.2 41.2
 83 11.9 8.9 16.5



#21
 2-Butanone
 Concen: 99.750 ug/L
 RT: 4.30 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Tgt Ion: 43 Resp: 460262
 Ion Ratio Lower Upper
 43 100
 72 22.5 11.0 33.0

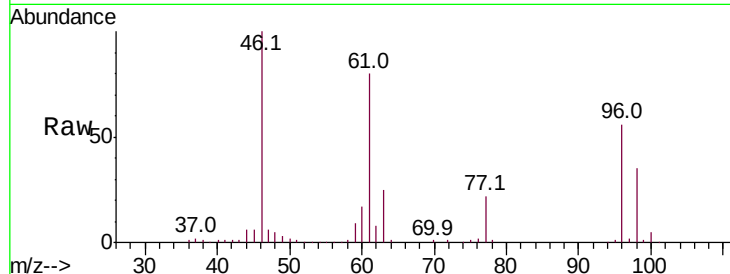




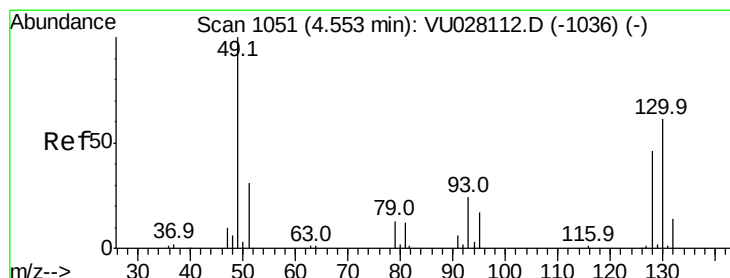
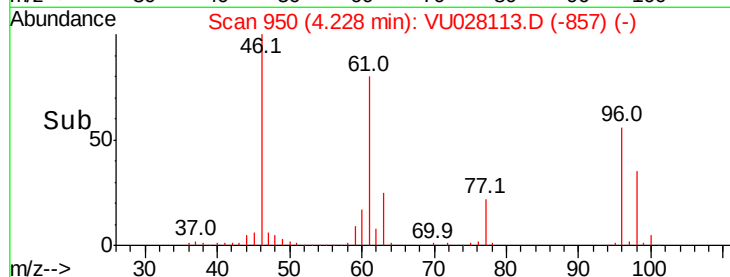
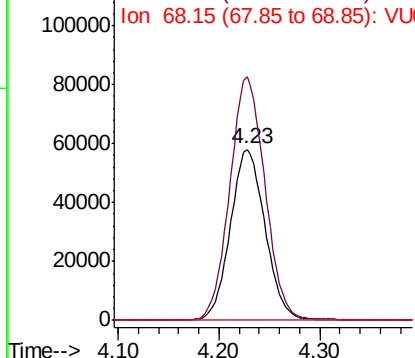
#22
 cis-1,2-Dichloroethene
 Concen: 9.895 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 139103
 Ion Ratio Lower Upper
 96 100
 61 142.3 101.8 189.0
 68 0.0 0.0 0.0

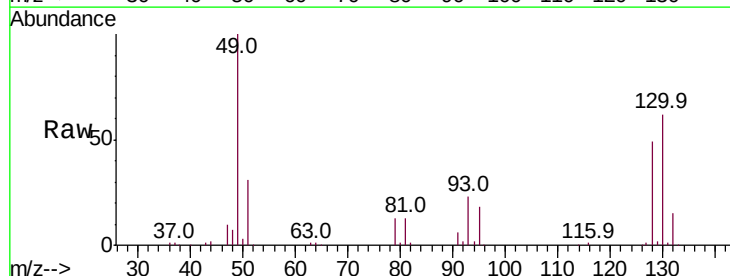


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

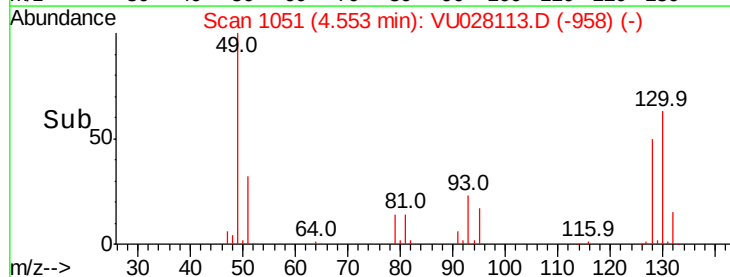
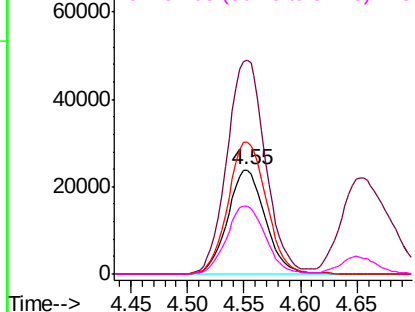


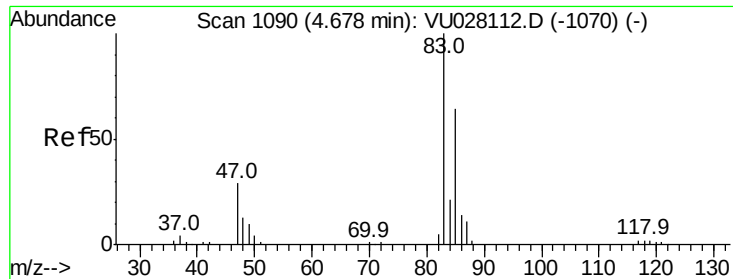
#23
 Bromochloromethane
 Concen: 9.894 ug/L
 RT: 4.55 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Tgt Ion:128 Resp: 54964
 Ion Ratio Lower Upper
 128 100
 49 205.7 152.2 282.6
 130 127.0 93.2 173.0
 51 64.8 53.5 80.3



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

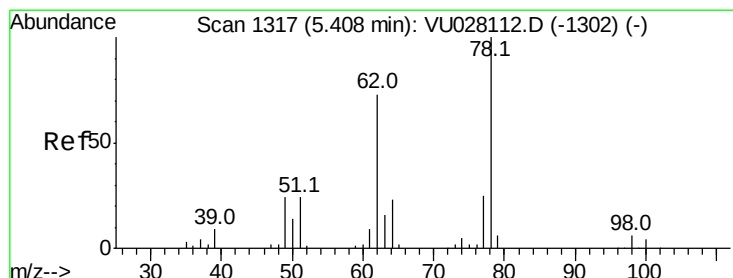
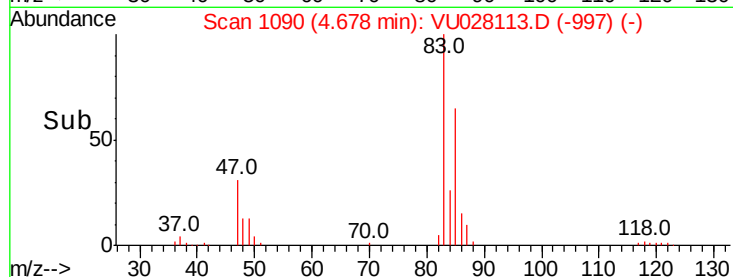
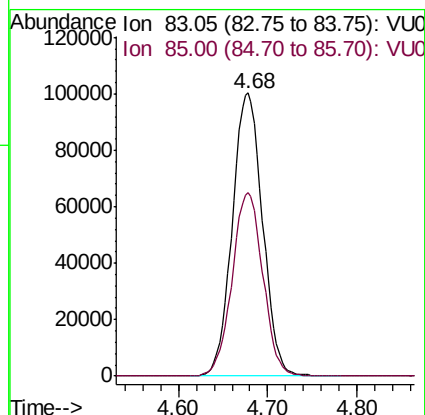
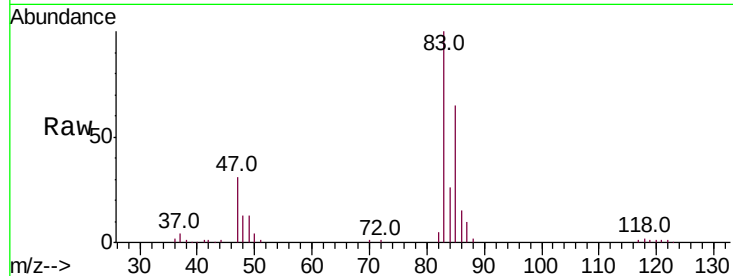




#25
Chloroform
Concen: 9.784 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VU028113.D
Acq: 14 Nov 2018 11:15

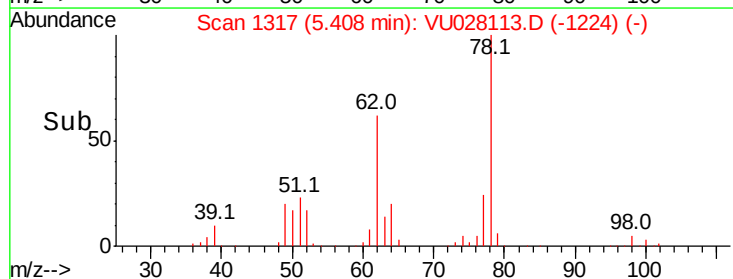
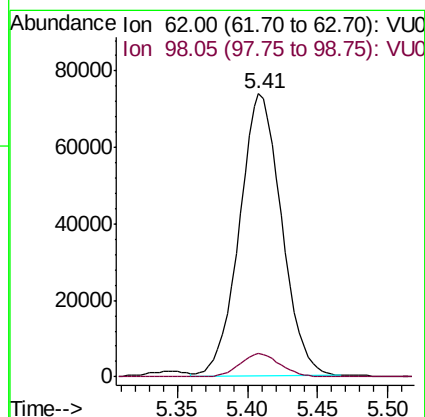
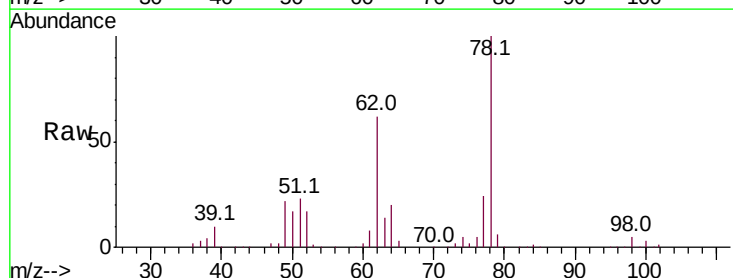
Instrument :
MSVOA_U
ClientSampled :

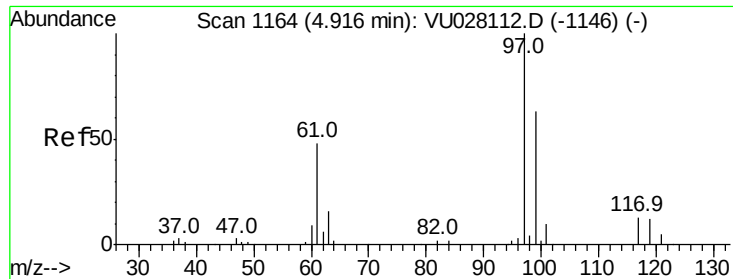
Tot Ion: 83 Resp: 235326
Ion Ratio Lower Upper
83 100
85 64.9 45.0 83.6



#27
1,2-Dichloroethane
Concen: 9.707 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU028113.D
Acq: 14 Nov 2018 11:15

Tgt Ion: 62 Resp: 153464
Ion Ratio Lower Upper
62 100
98 8.3 7.0 10.4

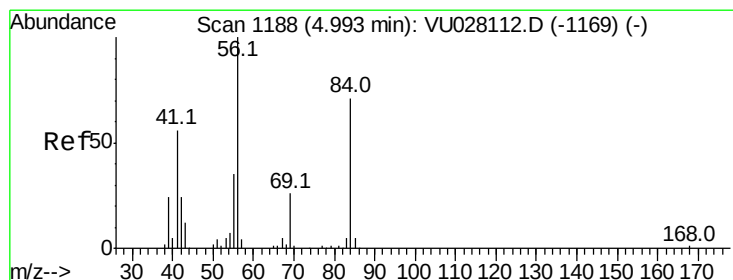
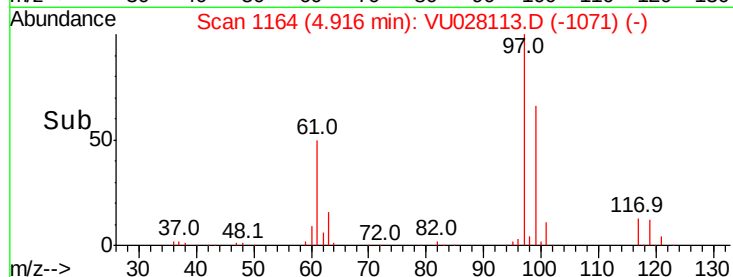
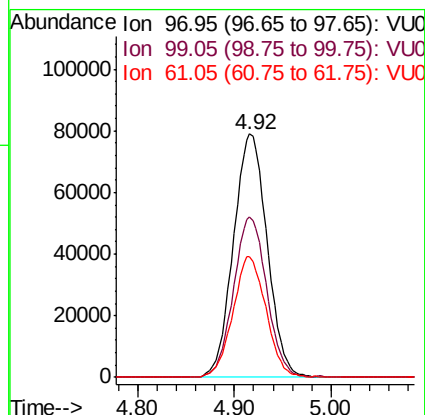
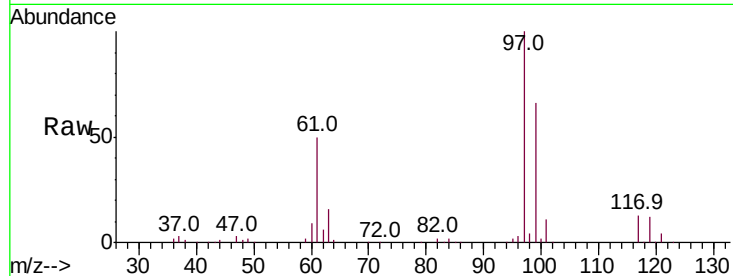




#29
 1,1,1-Trichloroethane
 Concen: 9.967 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

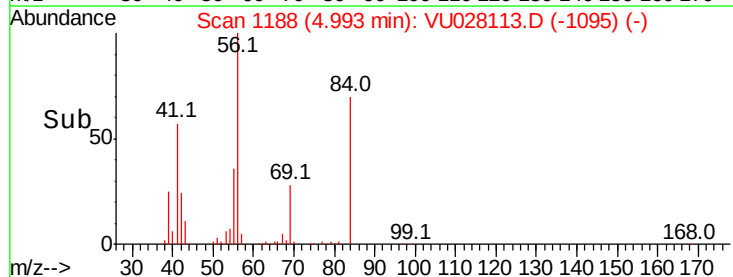
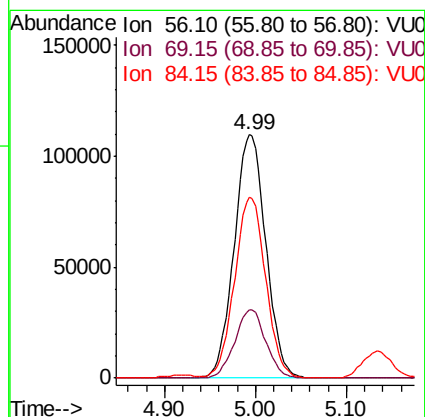
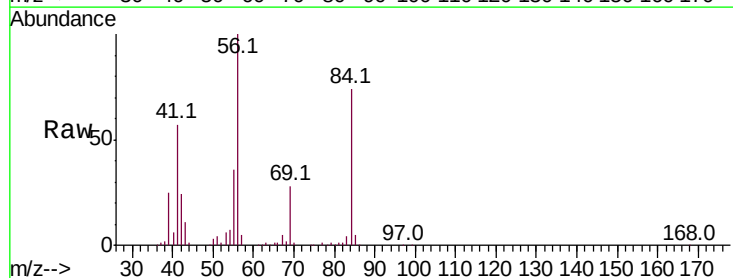
Instrument :
 MSVOA_U
 ClientSampleId :

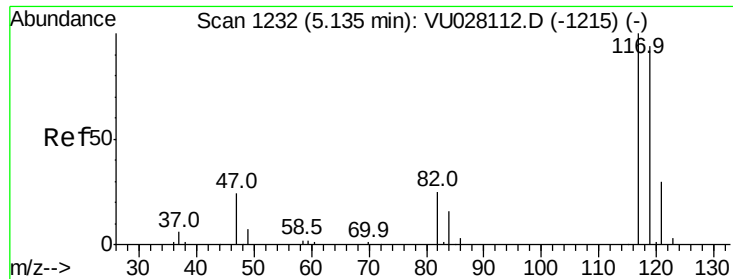
Tot Ion: 97 Resp: 191496
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.2 76.8
 61 48.7 39.4 59.2



#30
 Cyclohexane
 Concen: 9.850 ug/L
 RT: 4.99 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Tgt Ion: 56 Resp: 265381
 Ion Ratio Lower Upper
 56 100
 69 27.3 22.6 33.8
 84 73.1 57.7 86.5

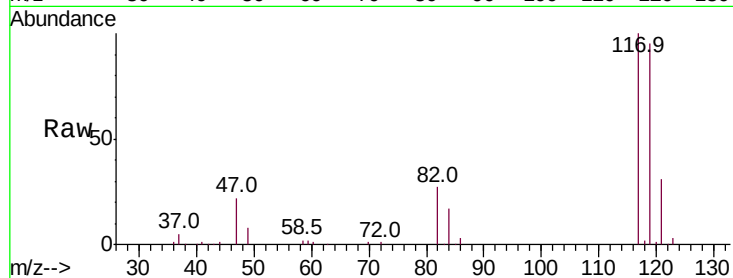




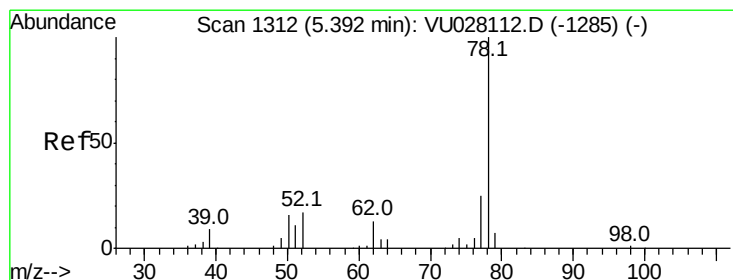
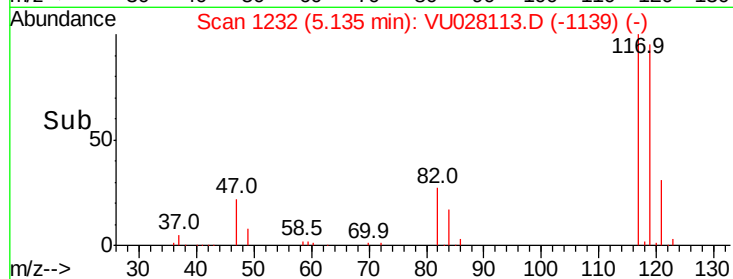
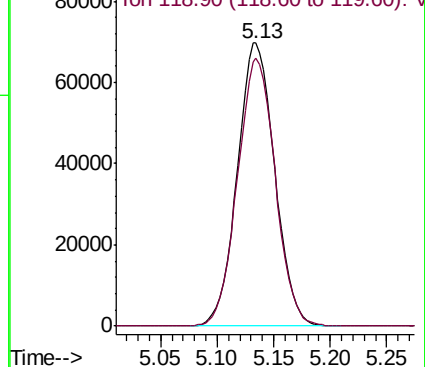
#31
Carbon tetrachloride
Concen: 10.059 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028113.D
Acq: 14 Nov 2018 11:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 160399
Ion Ratio Lower Upper
117 100
119 95.4 75.7 113.5

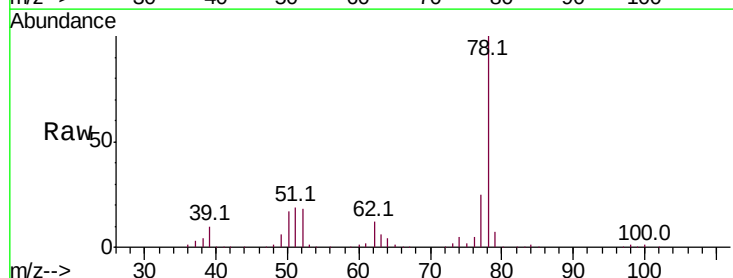


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

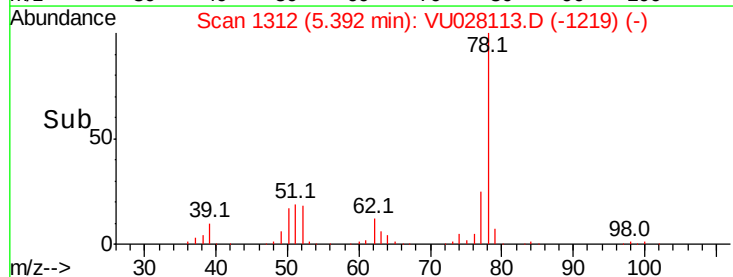
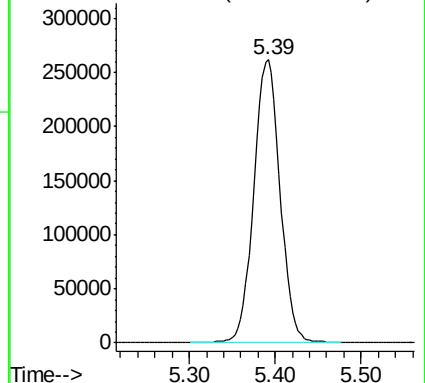


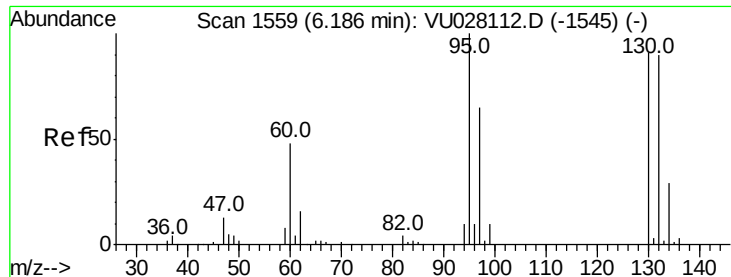
#33
Benzene
Concen: 9.767 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028113.D
Acq: 14 Nov 2018 11:15

Tgt Ion: 78 Resp: 558549



Abundance Ion 78.10 (77.80 to 78.80): VU0

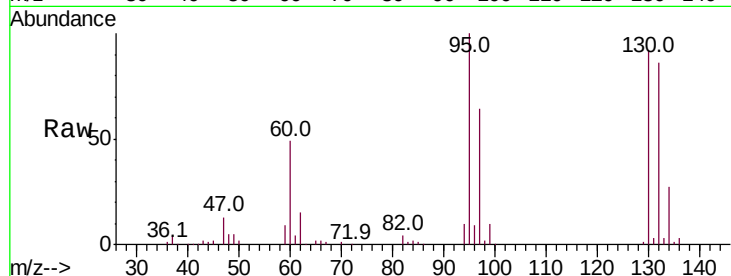




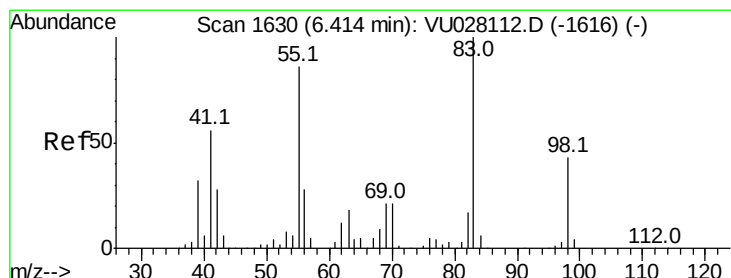
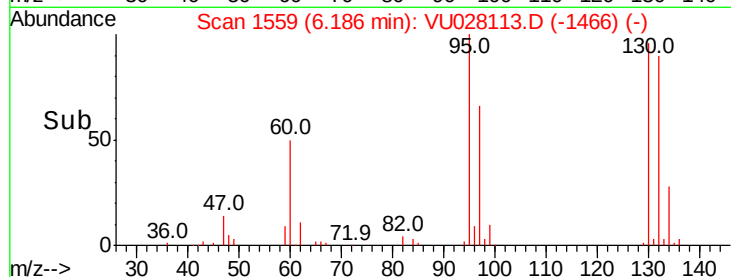
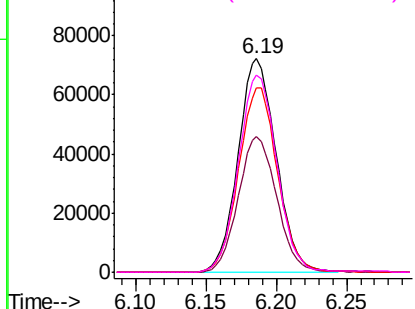
#34
 Trichloroethene
 Concen: 9.683 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 136862
 Ion Ratio Lower Upper
 95 100
 97 63.5 45.3 84.1
 132 86.4 63.0 117.0
 130 92.3 63.6 118.2

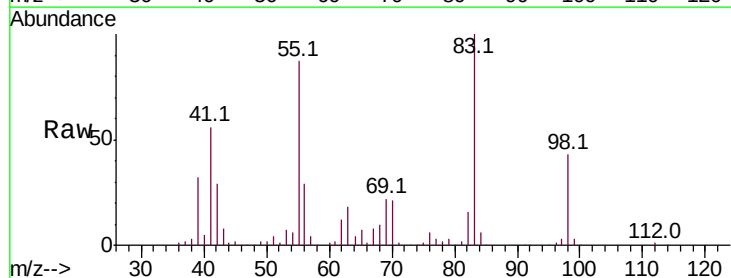


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

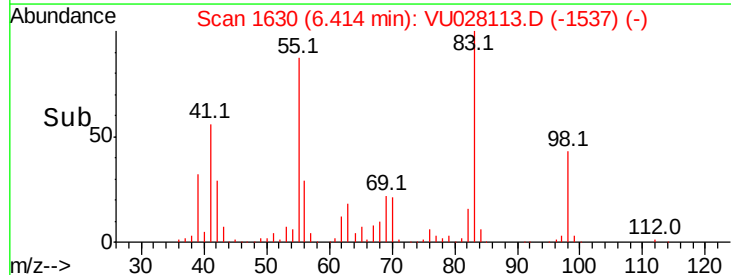
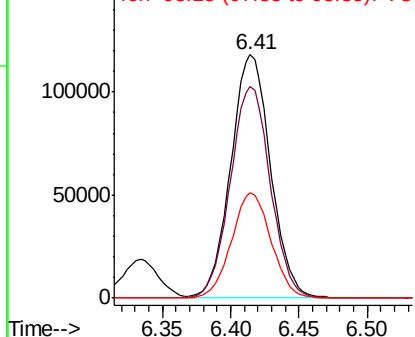


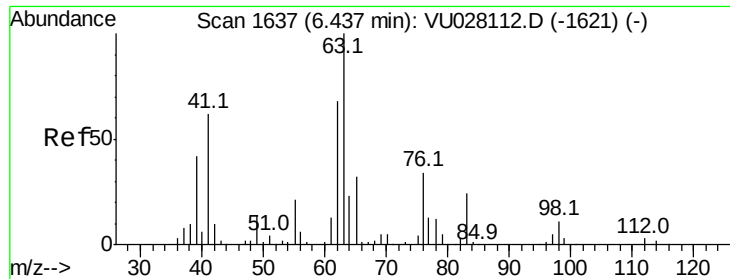
#35
 Methylcyclohexane
 Concen: 9.815 ug/L
 RT: 6.41 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Tgt Ion: 83 Resp: 238500
 Ion Ratio Lower Upper
 83 100
 55 88.1 69.0 103.4
 98 43.4 33.3 49.9



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

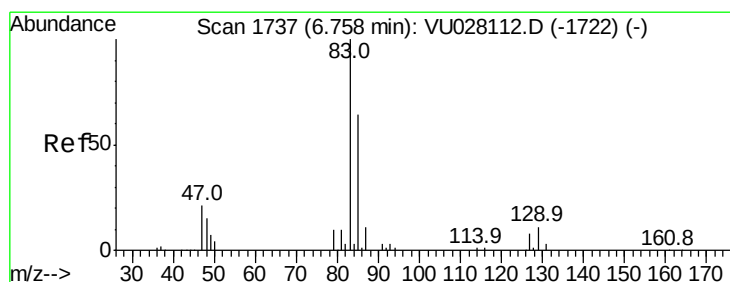
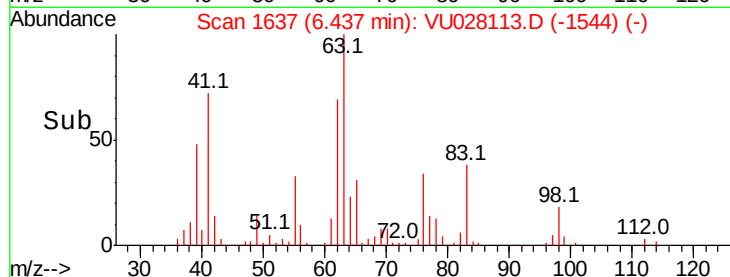
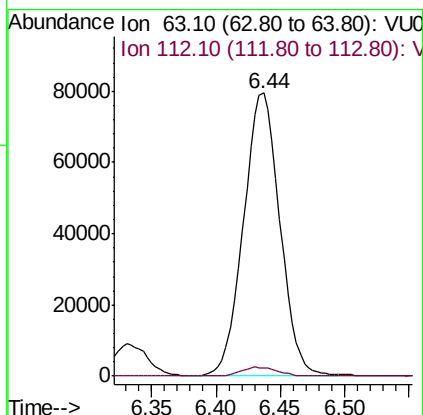
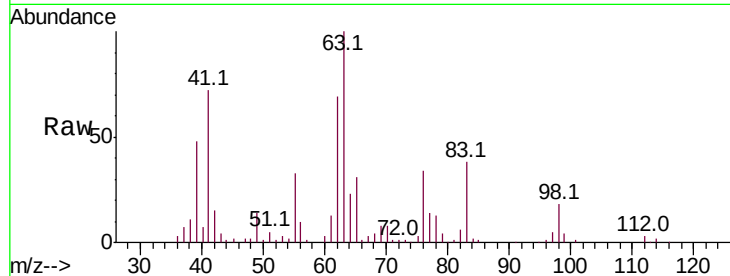




#37
 1,2-Dichloropropane
 Concen: 9.896 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

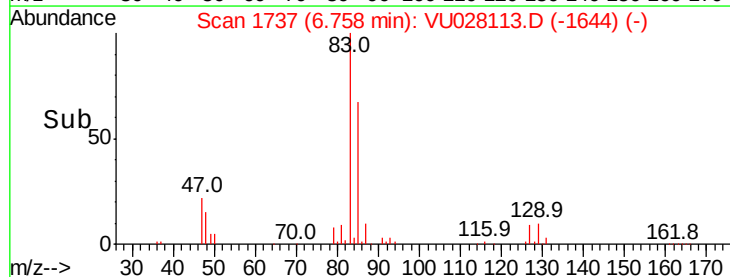
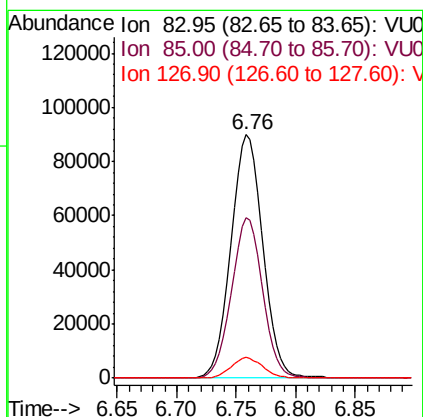
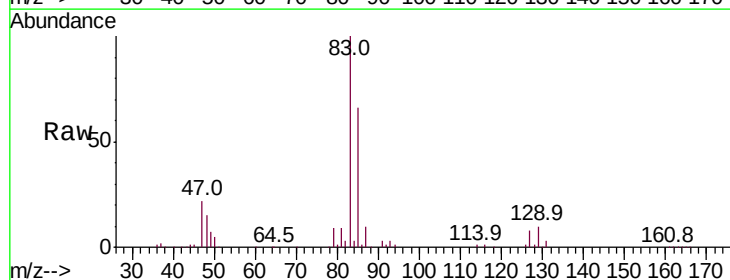
Instrument :
 MSVOA_U
 ClientSampled :

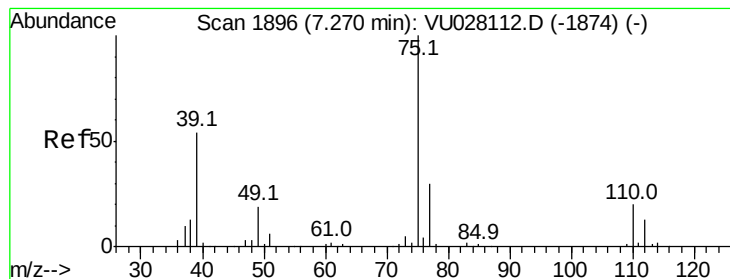
Tot Ion: 63 Resp: 156511
 Ion Ratio Lower Upper
 63 100
 112 3.2 2.2 3.4



#38
 Bromodichloromethane
 Concen: 9.939 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Tgt Ion: 83 Resp: 167257
 Ion Ratio Lower Upper
 83 100
 85 66.1 44.5 82.7
 127 8.4 6.8 10.2



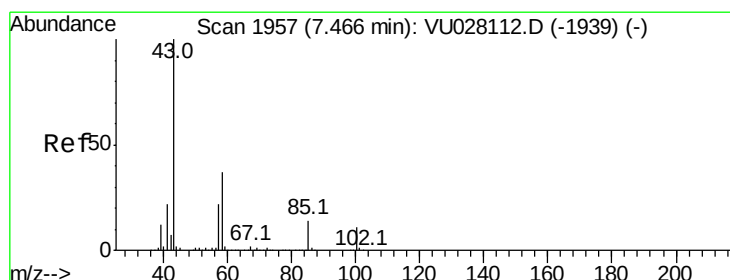
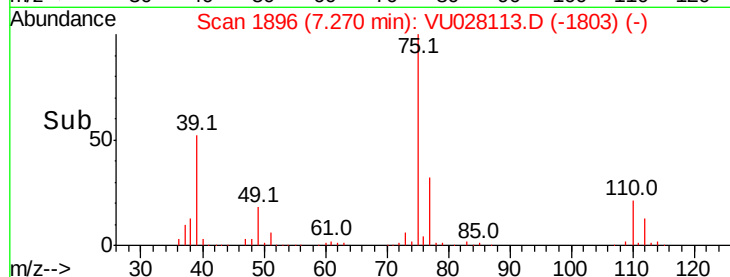
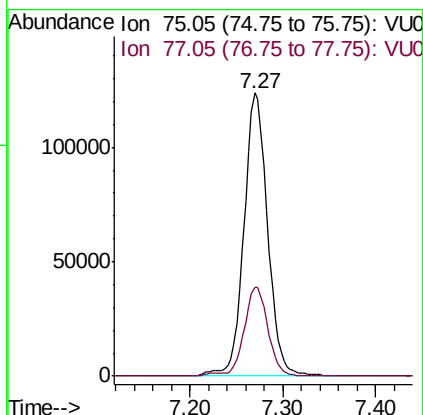
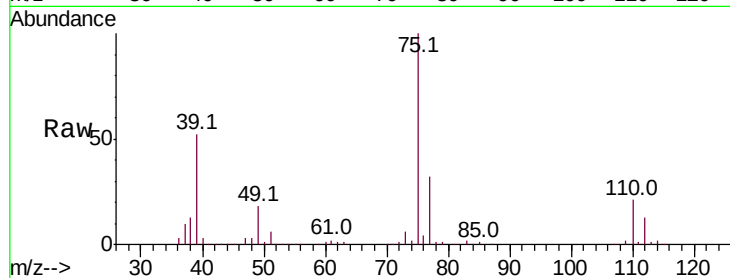


#39

cis-1,3-Dichloropropene
 Concen: 10.304 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Instrument :
 MSVOA_U
 ClientSampled :

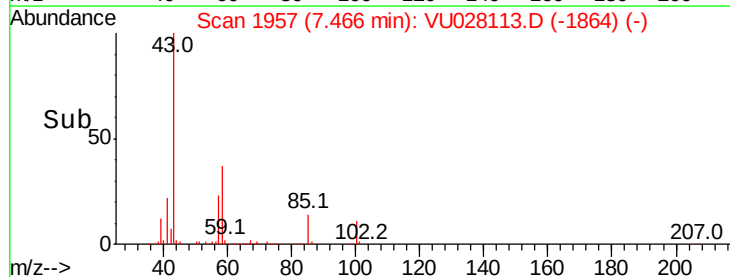
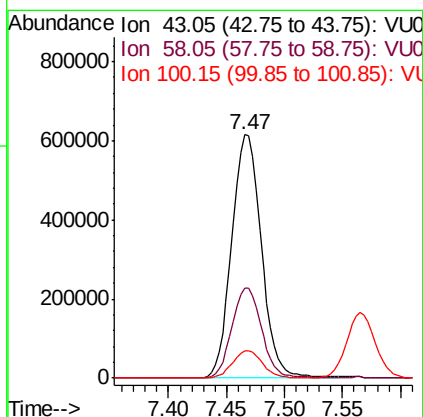
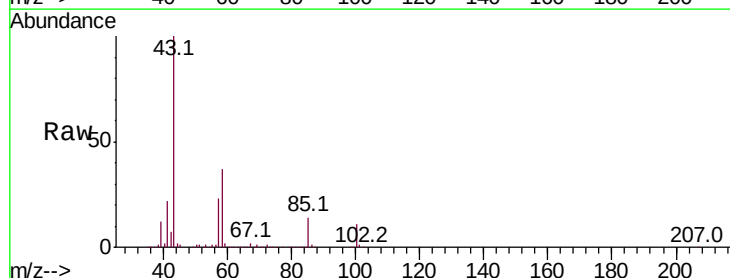
Tot Ion: 75 Resp: 220324
 Ion Ratio Lower Upper
 75 100
 77 31.6 20.9 38.9

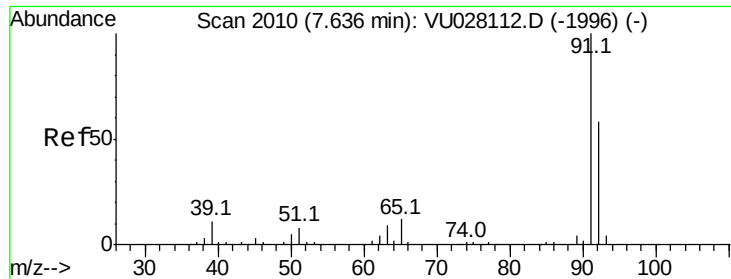


#40

4-Methyl-2-pentanone
 Concen: 100.267 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Tgt Ion: 43 Resp: 1092006
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.9 44.9
 100 11.3 9.1 13.7





#42

Toluene

Concen: 9.961 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028113.D

Acq: 14 Nov 2018 11:15

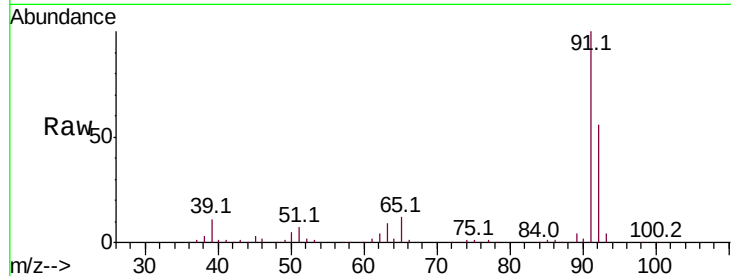
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 587398

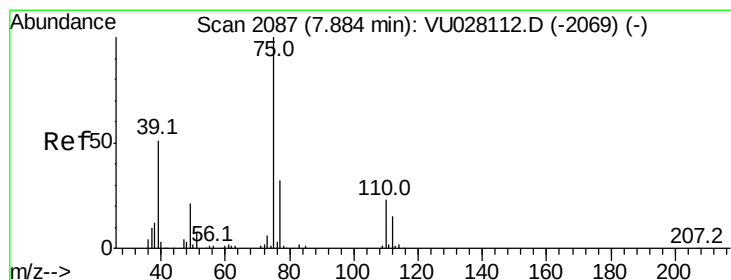
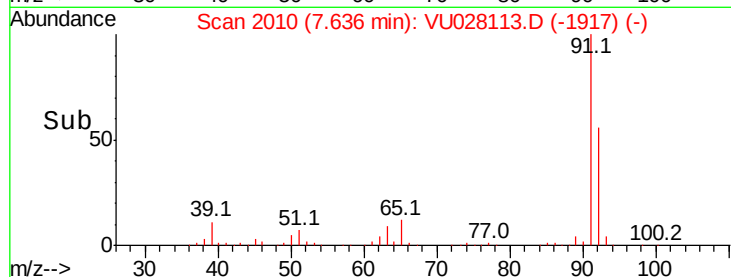
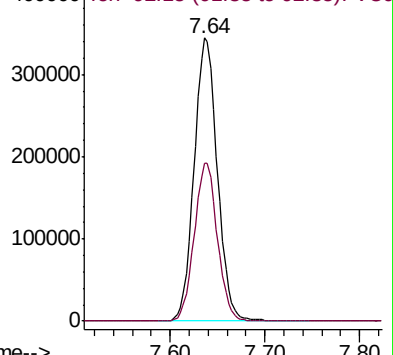
Ion Ratio Lower Upper

91 100

92 55.8 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 10.140 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU028113.D

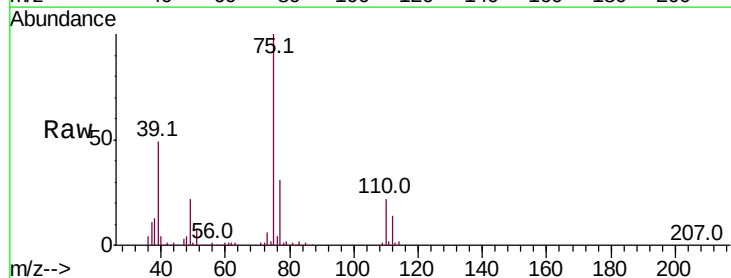
Acq: 14 Nov 2018 11:15

Tgt Ion: 75 Resp: 169895

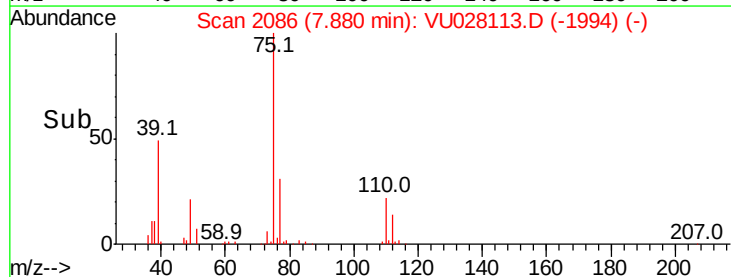
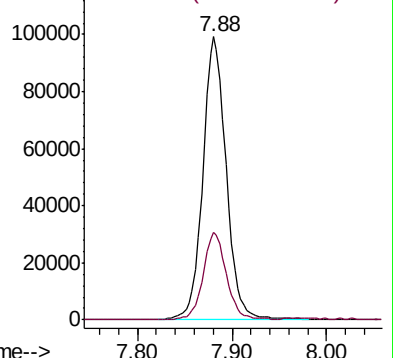
Ion Ratio Lower Upper

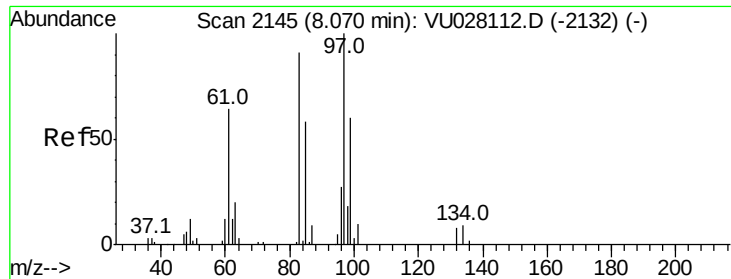
75 100

77 30.8 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0

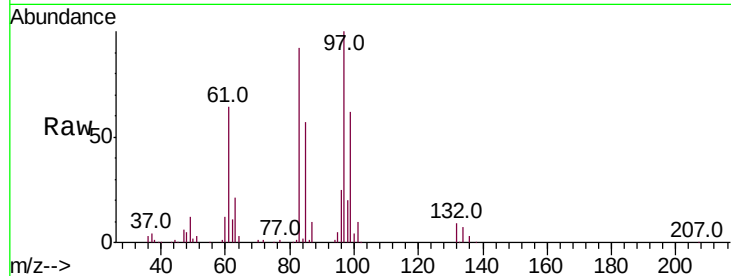




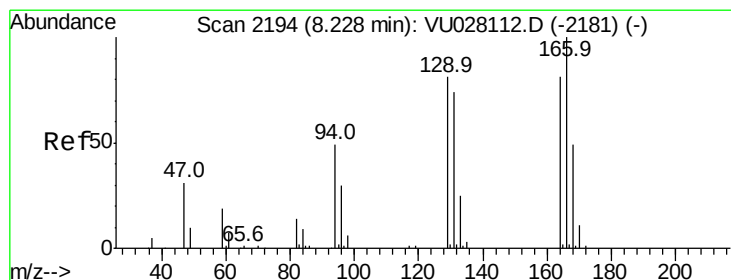
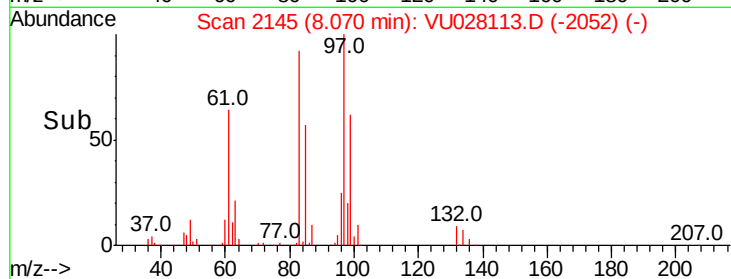
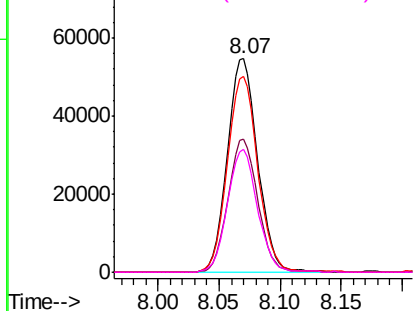
#45
 1,1,2-Trichloroethane
 Concen: 9.927 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 94781
 Ion Ratio Lower Upper
 97 100
 99 62.2 42.1 78.1
 83 91.9 63.7 118.3
 85 57.4 40.6 75.4

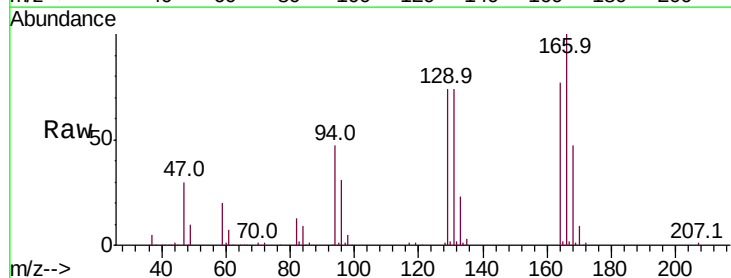


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

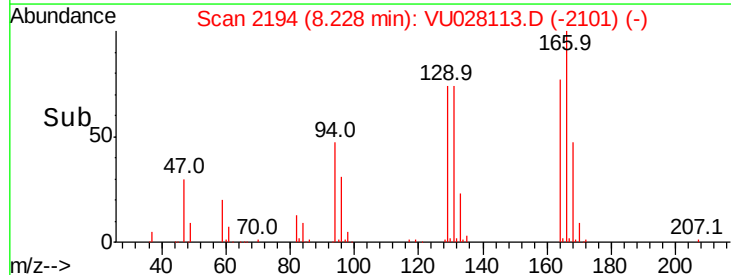
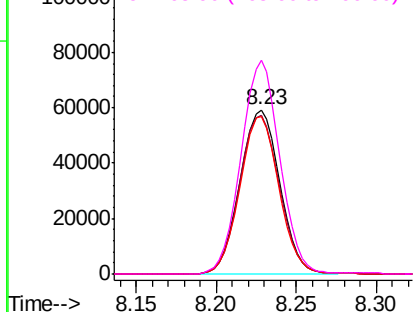


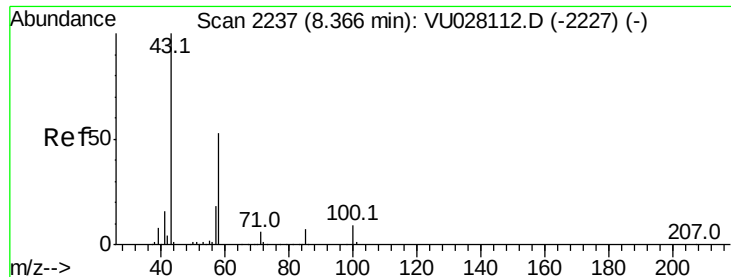
#47
 Tetrachloroethene
 Concen: 8.740 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Tgt Ion:164 Resp: 100432
 Ion Ratio Lower Upper
 164 100
 129 96.6 69.7 129.4
 131 96.4 64.0 118.8
 166 130.3 86.4 160.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

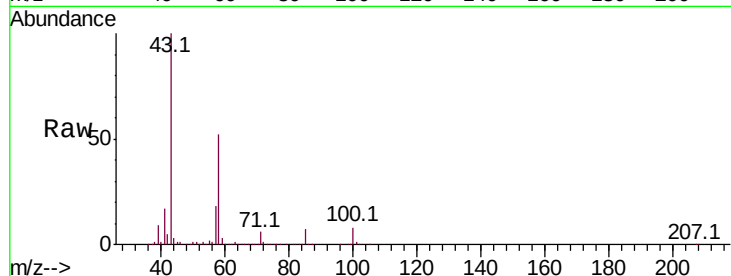




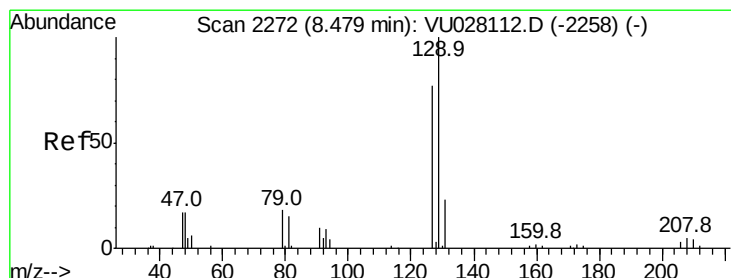
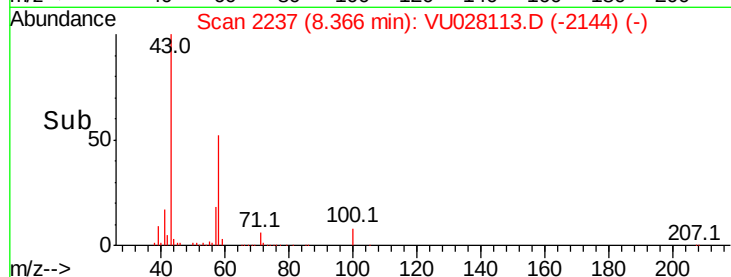
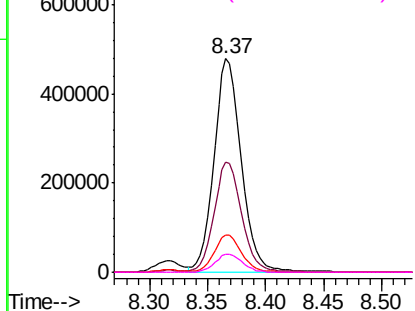
#48
2-Hexanone
Concen: 100.746 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VU028113.D
Acq: 14 Nov 2018 11:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 780716
Ion Ratio Lower Upper
43 100
58 52.4 41.7 62.5
57 17.8 14.0 21.0
100 8.8 7.2 10.8

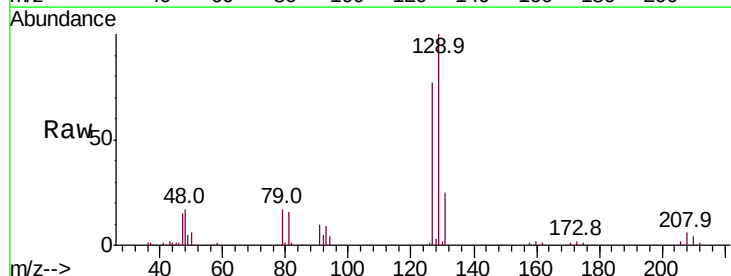


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

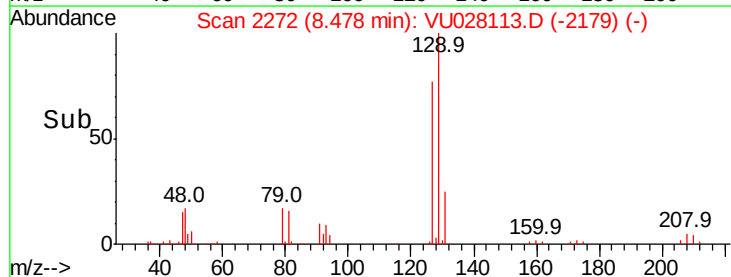
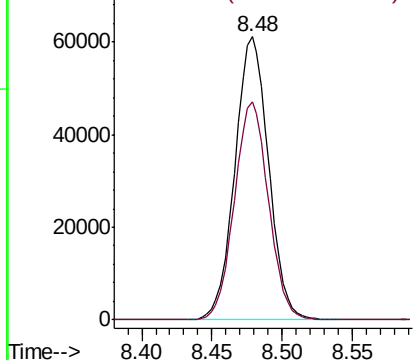


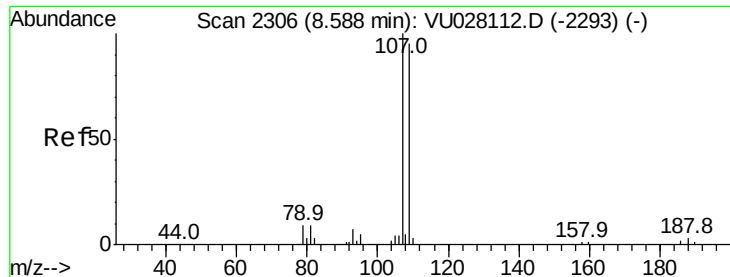
#49
Dibromochloromethane
Concen: 10.088 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028113.D
Acq: 14 Nov 2018 11:15

Tgt Ion: 129 Resp: 102536
Ion Ratio Lower Upper
129 100
127 77.2 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

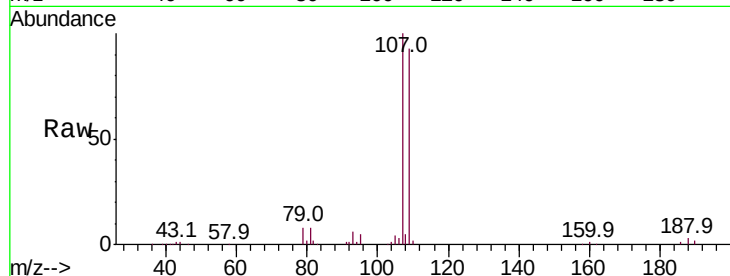




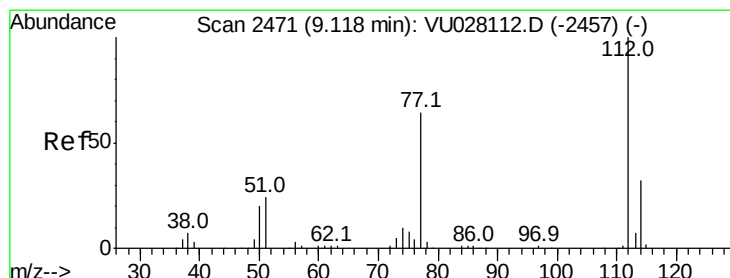
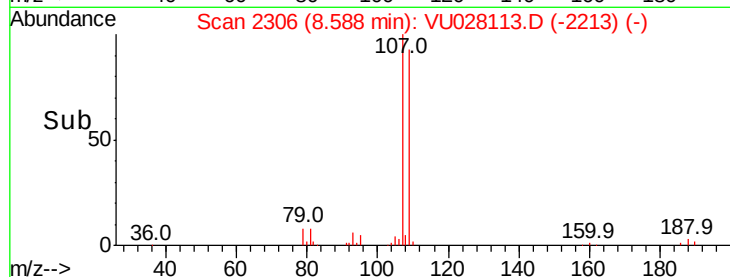
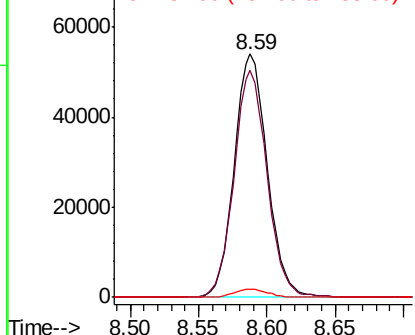
#50
1,2-Dibromoethane
Concen: 10.110 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU028113.D
Acq: 14 Nov 2018 11:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	66.6	123.8
188	3.4	2.5	3.7

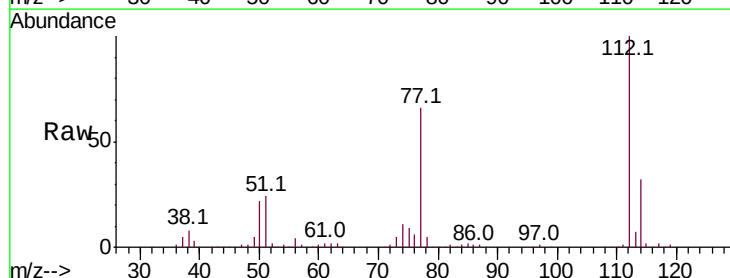


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

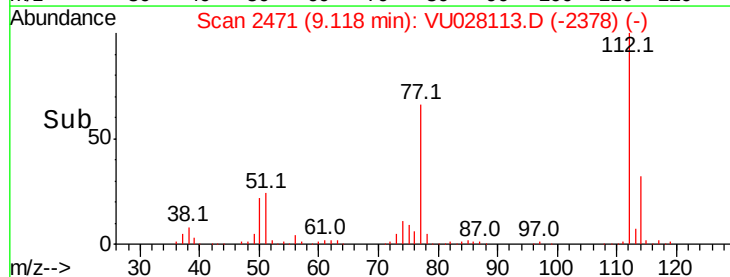
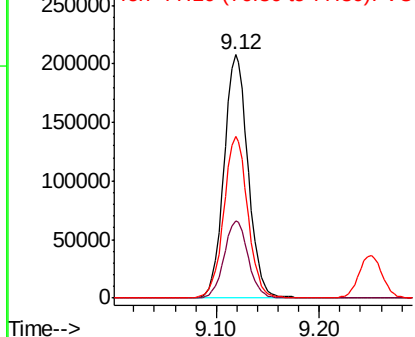


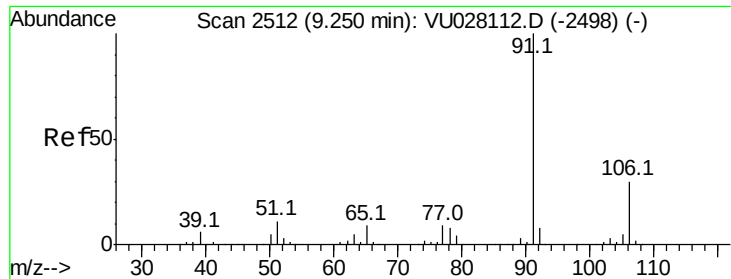
#51
Chlorobenzene
Concen: 9.774 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028113.D
Acq: 14 Nov 2018 11:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.7
77	66.2	51.3	76.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 10.003 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU028113.D

Acq: 14 Nov 2018 11:15

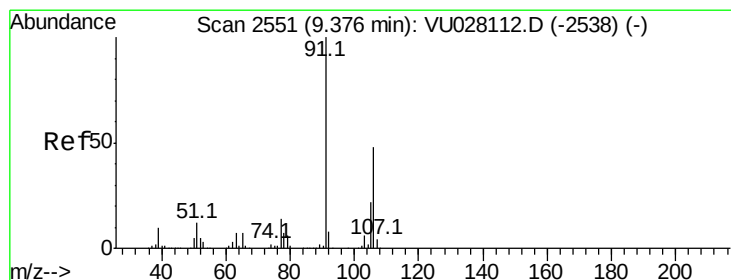
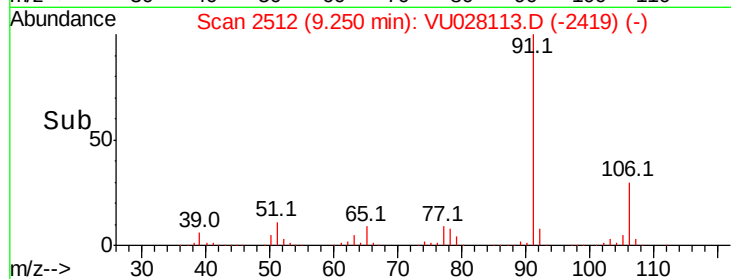
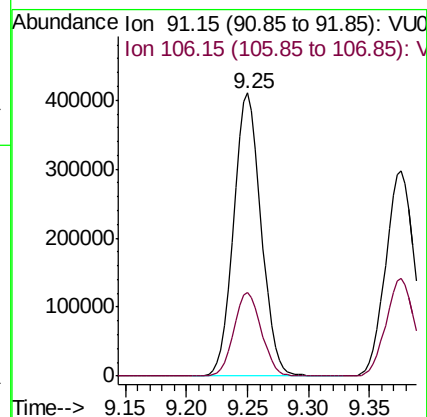
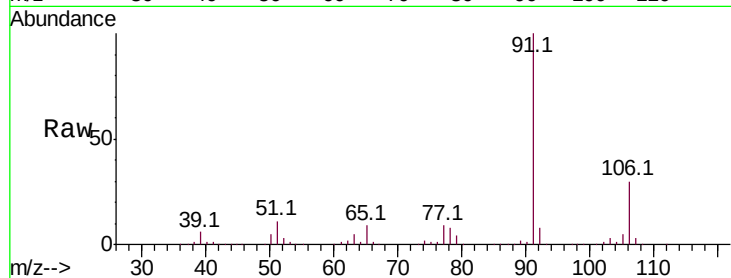
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 643812

Ion Ratio Lower Upper

91 100

106 29.5 20.9 38.7



#53

m,p-xylene

Concen: 9.850 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU028113.D

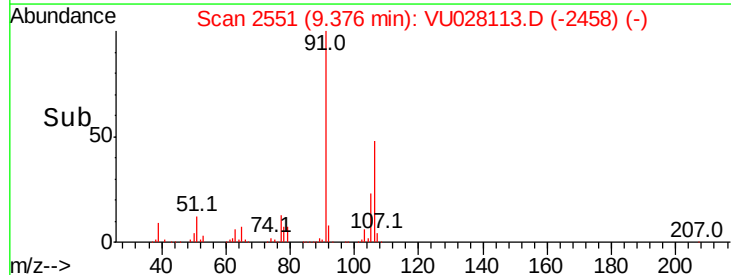
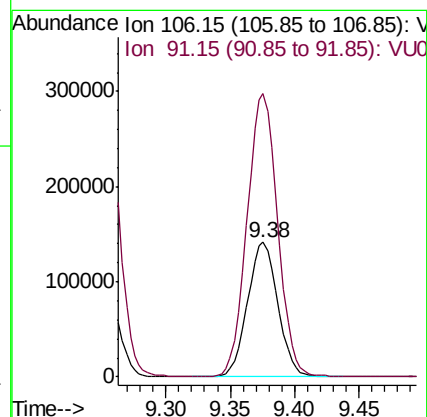
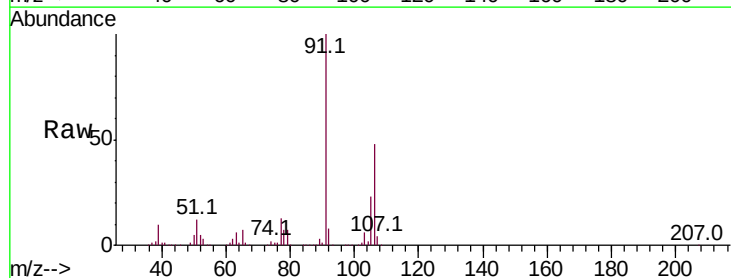
Acq: 14 Nov 2018 11:15

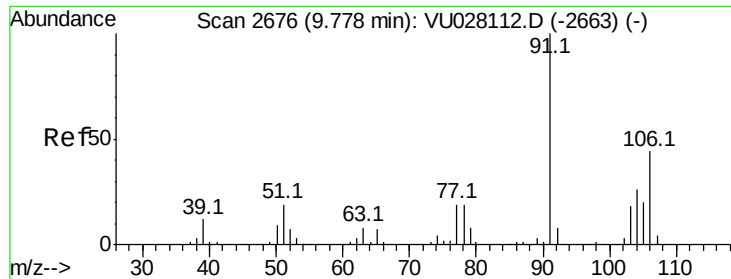
Tgt Ion: 106 Resp: 230973

Ion Ratio Lower Upper

106 100

91 209.9 145.7 270.7

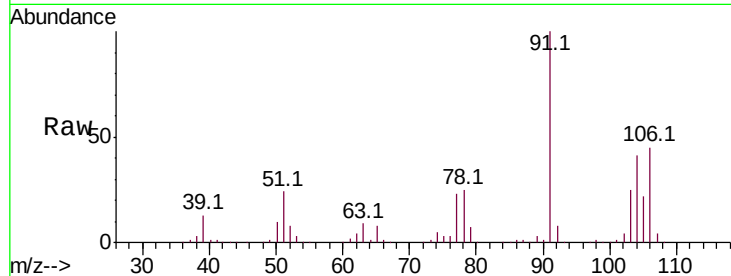




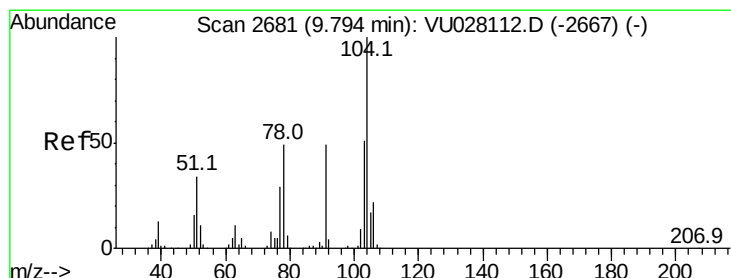
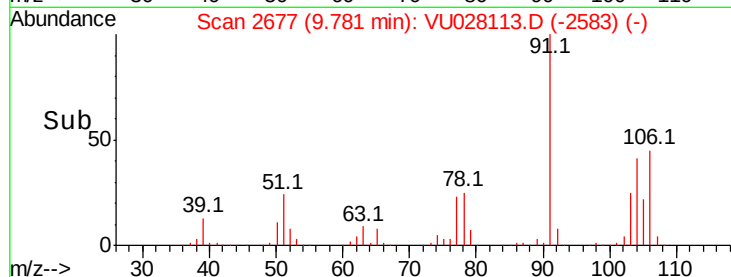
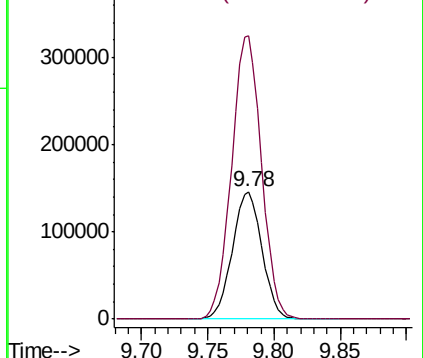
#54
o-xylene
Concen: 10.045 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028113.D
Acq: 14 Nov 2018 11:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 226781
Ion Ratio Lower Upper
106 100
91 222.5 158.7 294.7

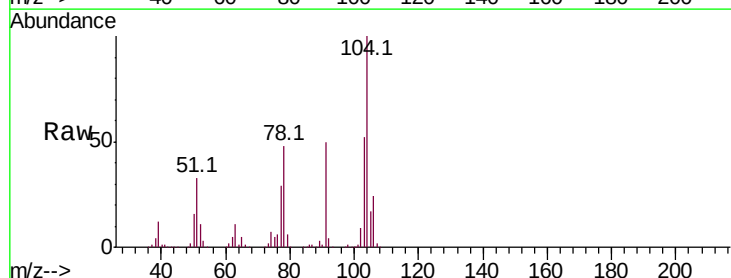


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

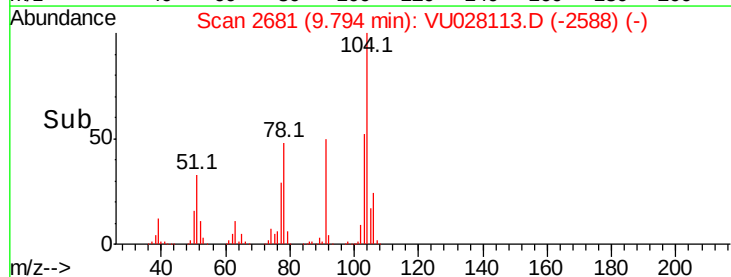
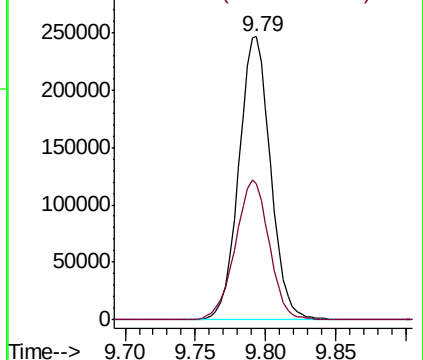


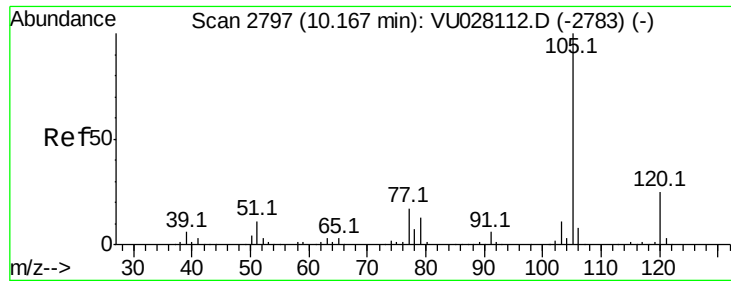
#55
Styrene
Concen: 10.154 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU028113.D
Acq: 14 Nov 2018 11:15

Tgt Ion:104 Resp: 387659
Ion Ratio Lower Upper
104 100
78 48.1 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 9.989 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028113.D

Acq: 14 Nov 2018 11:15

Instrument :

MSVOA_U

ClientSampled :

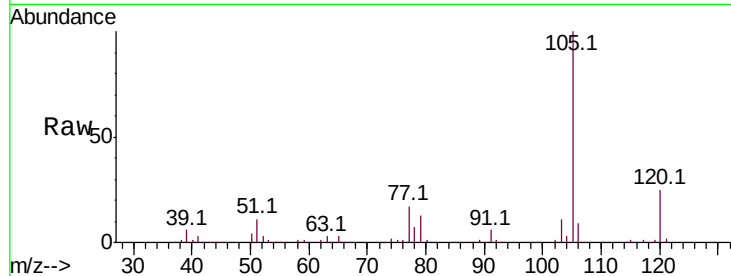
Tot Ion:105 Resp: 609972

Ion Ratio Lower Upper

105 100

120 25.5 20.5 30.7

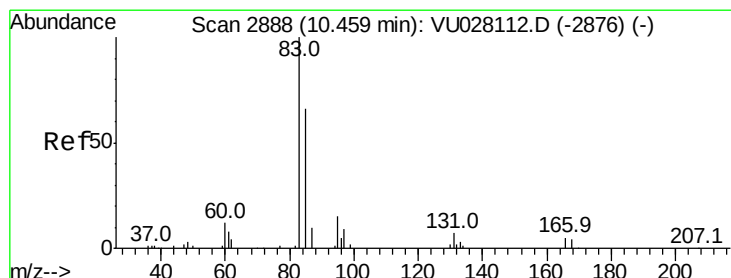
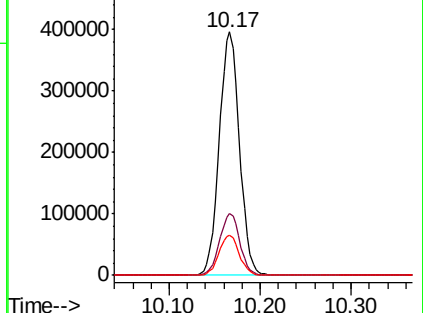
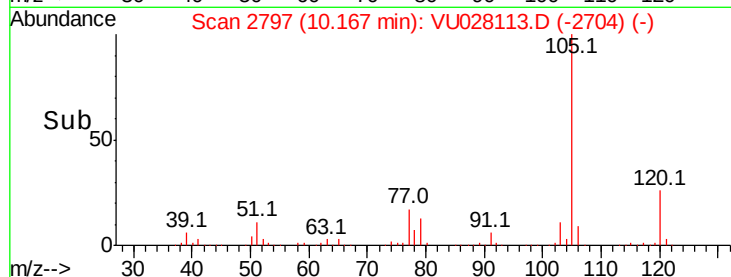
77 16.7 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.950 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028113.D

Acq: 14 Nov 2018 11:15

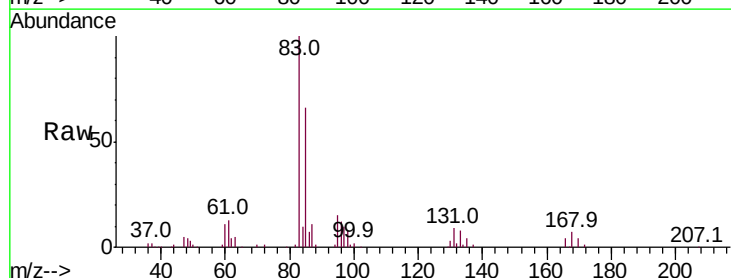
Tgt Ion: 83 Resp: 122457

Ion Ratio Lower Upper

83 100

85 66.4 46.7 86.7

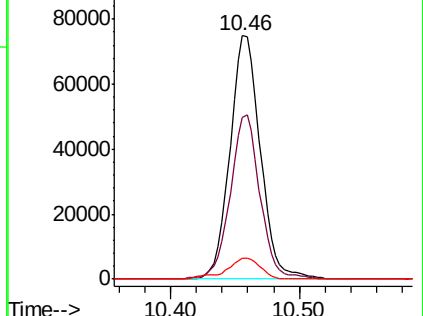
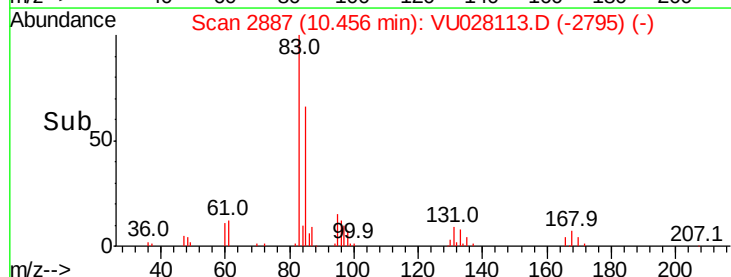
131 8.6 5.9 8.9

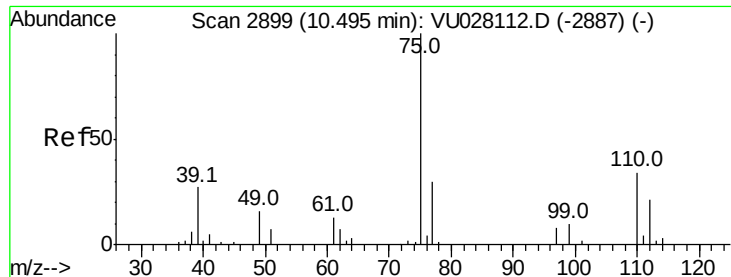


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

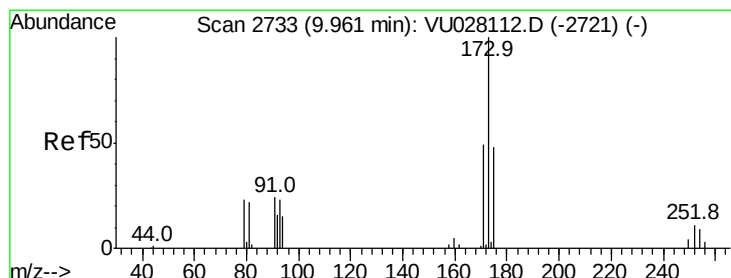
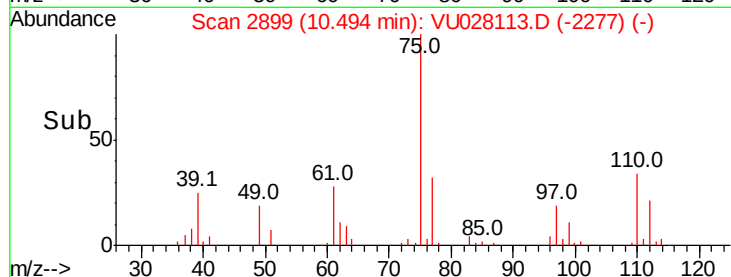
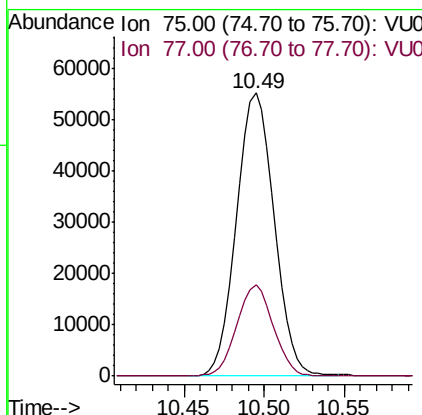
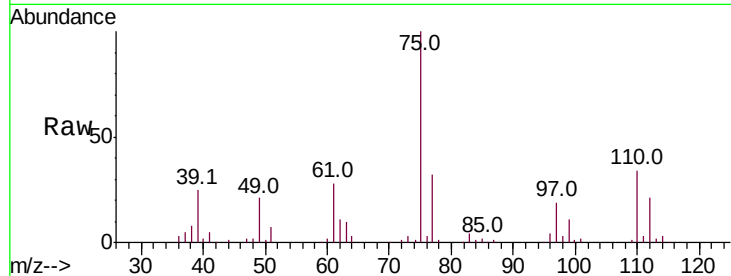




#59
 1,2,3-Trichloropropane
 Concen: 9.967 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

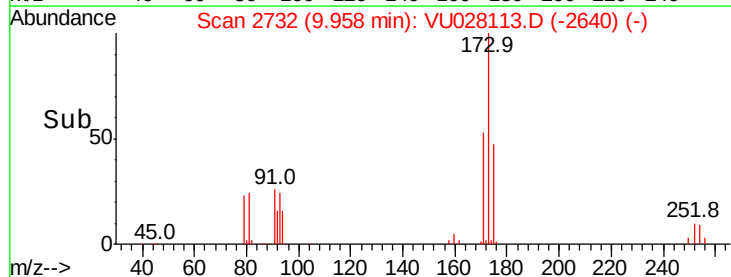
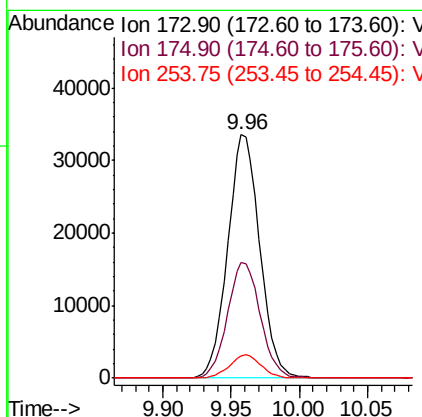
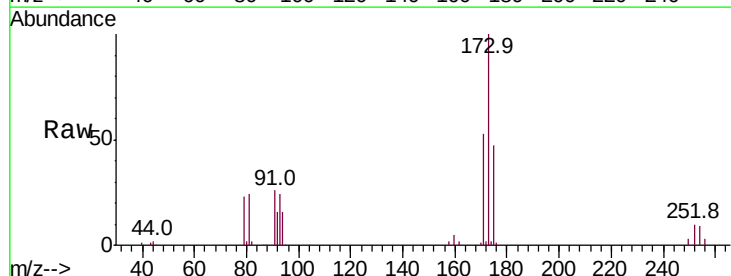
Instrument :
 MSVOA_U
 ClientSampleId :

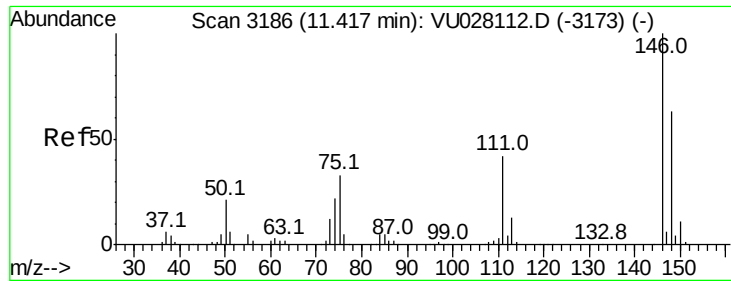
Tot Ion: 75 Resp: 88537
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.0



#61
 Bromoform
 Concen: 9.727 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Tgt Ion:173 Resp: 54727
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.2 57.2
 254 9.2 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 9.810 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028113.D

Acq: 14 Nov 2018 11:15

Instrument :

MSVOA_U

ClientSampled :

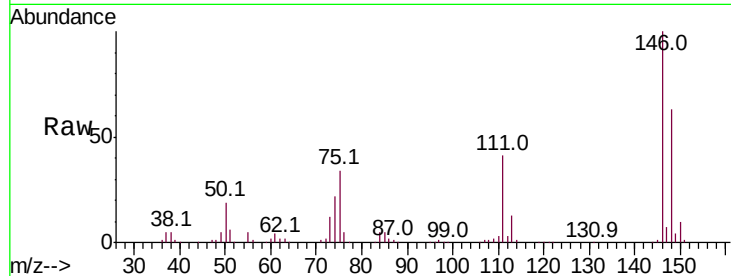
Tot Ion:146 Resp: 258122

Ion Ratio Lower Upper

146 100

111 40.5 29.3 54.3

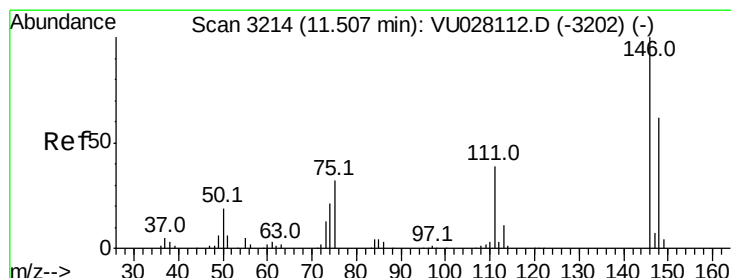
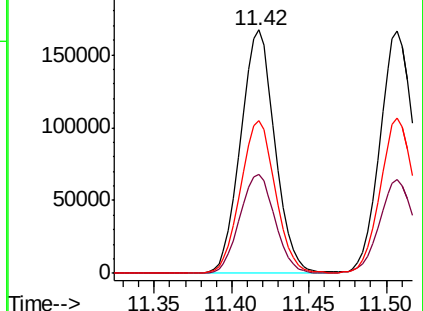
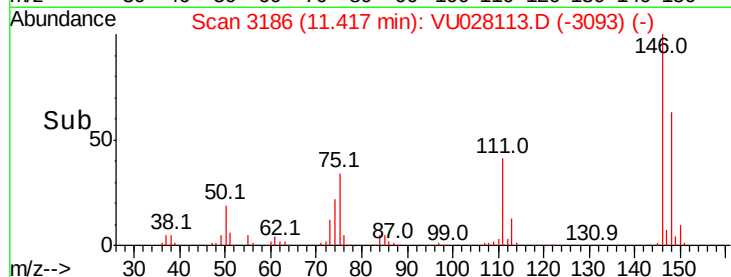
148 62.9 44.1 81.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.732 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028113.D

Acq: 14 Nov 2018 11:15

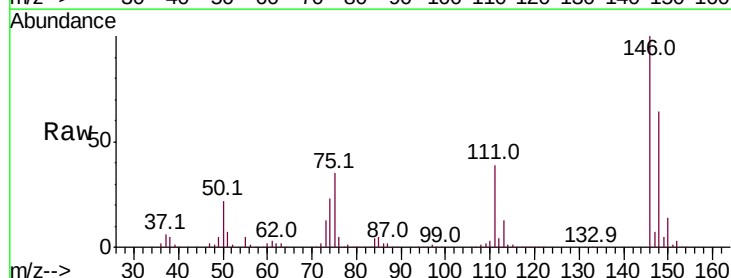
Tgt Ion:146 Resp: 259196

Ion Ratio Lower Upper

146 100

111 38.5 27.4 51.0

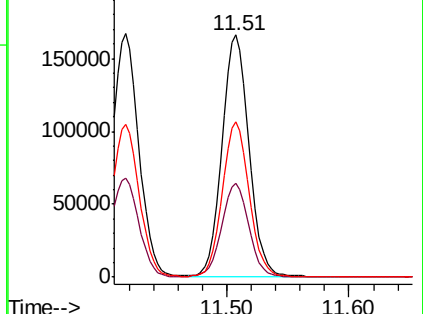
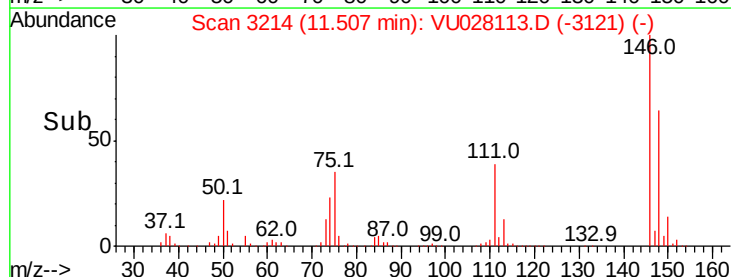
148 64.2 43.8 81.3

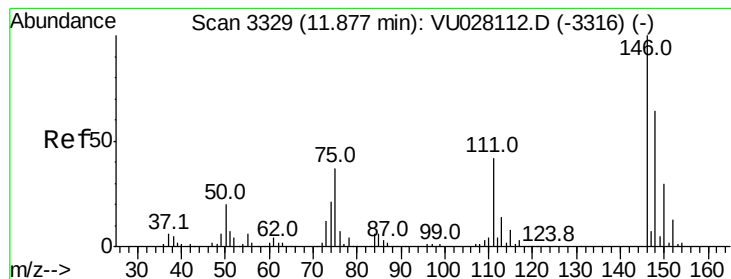


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.691 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU028113.D

Acq: 14 Nov 2018 11:15

Instrument :

MSVOA_U

ClientSampleId :

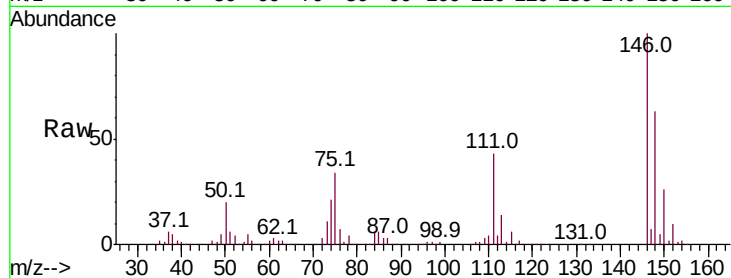
Tot Ion:146 Resp: 243837

Ion Ratio Lower Upper

146 100

111 43.1 33.9 50.9

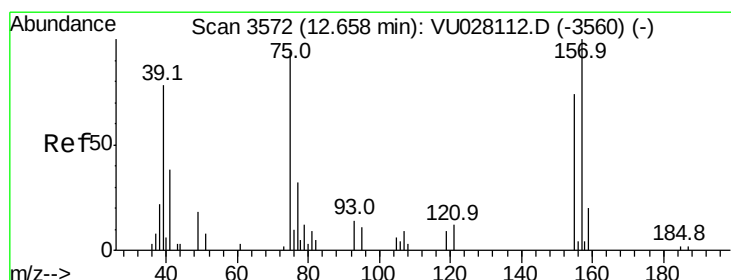
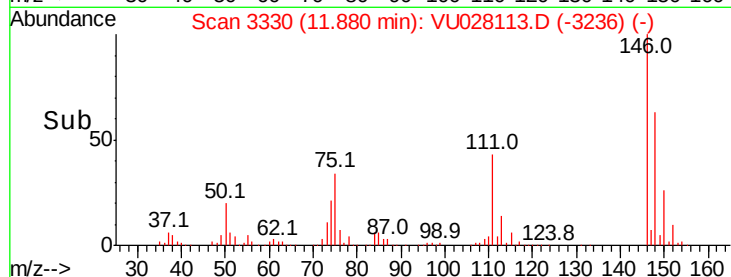
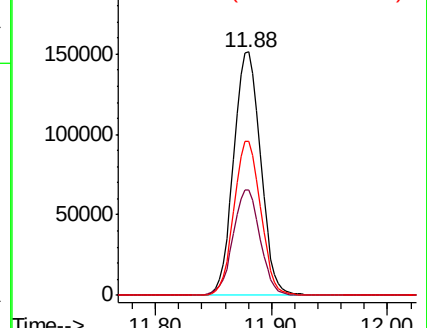
148 63.4 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): 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: 10.563 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028113.D

Acq: 14 Nov 2018 11:15

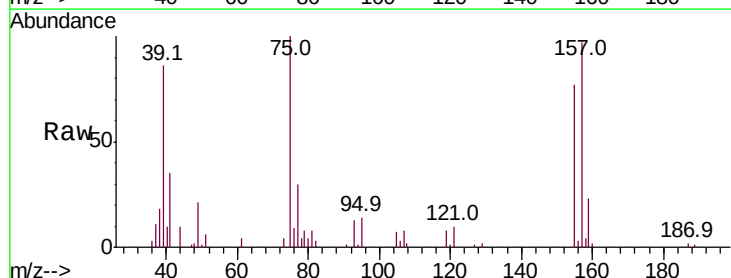
Tgt Ion: 75 Resp: 19285

Ion Ratio Lower Upper

75 100

155 77.5 62.8 94.2

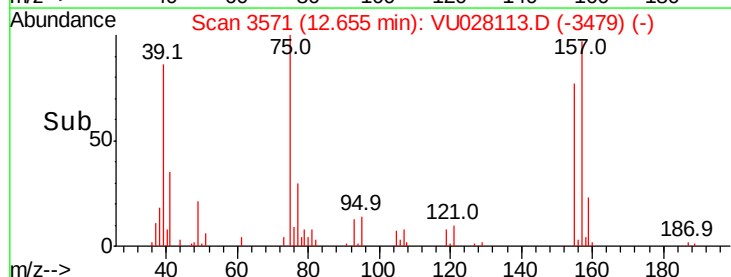
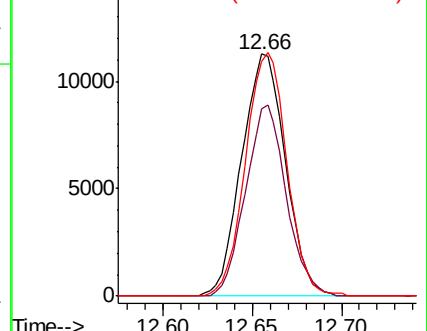
157 96.9 85.3 127.9

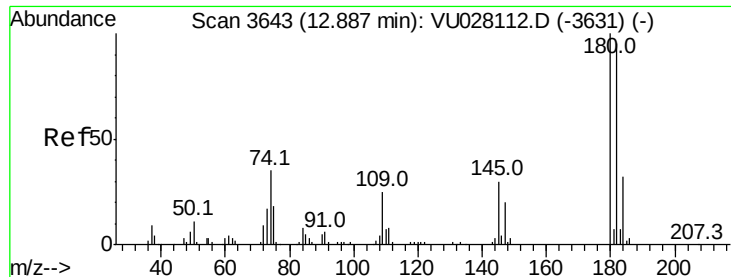


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

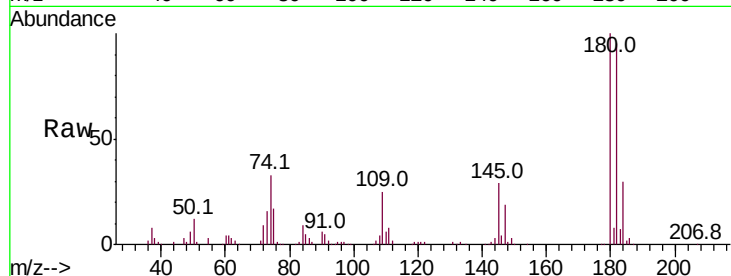




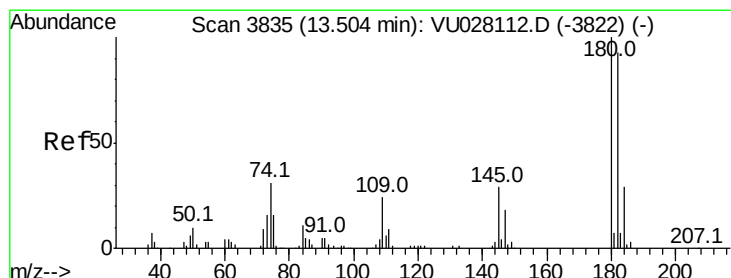
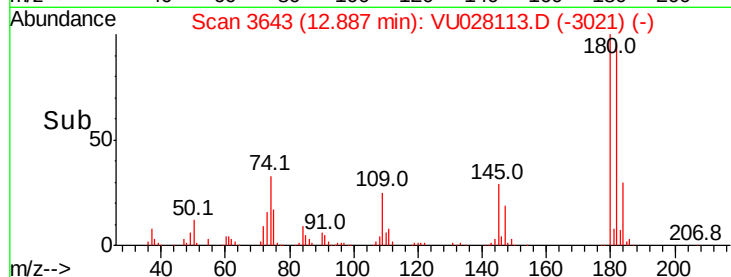
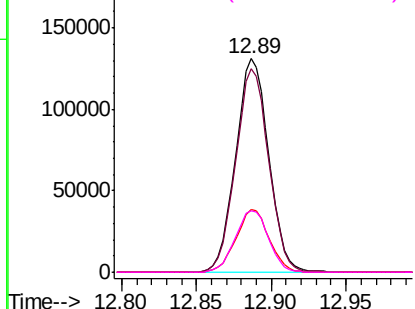
#67
 1,3,5-Trichlorobenzene
 Concen: 10.021 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	202262
Ion Ratio	Lower	Upper
180	100	
182	94.9	76.6 114.8
184	29.4	24.7 37.1
145	29.1	24.0 36.0

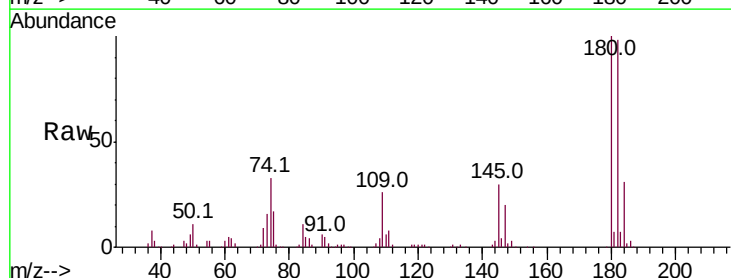


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

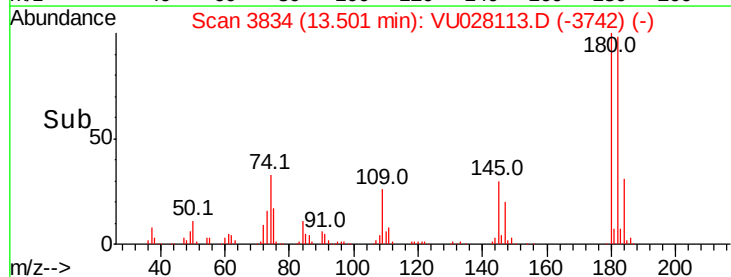
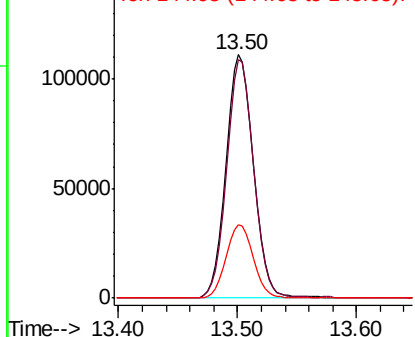


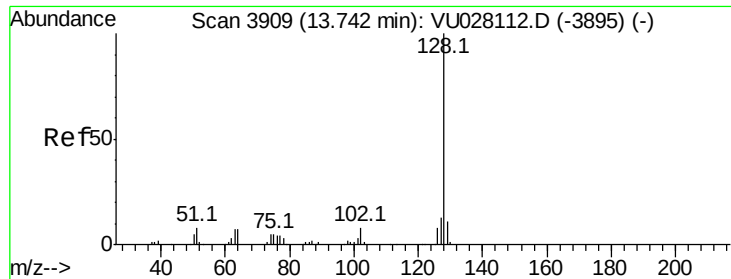
#68
 1,2,4-trichlorobenzene
 Concen: 10.079 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028113.D
 Acq: 14 Nov 2018 11:15

Tgt Ion:180	Resp:	177323
Ion Ratio	Lower	Upper
180	100	
182	96.2	75.1 112.7
145	29.9	23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 10.215 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028113.D

Acq: 14 Nov 2018 11:15

Instrument :

MSVOA_U

ClientSampled :

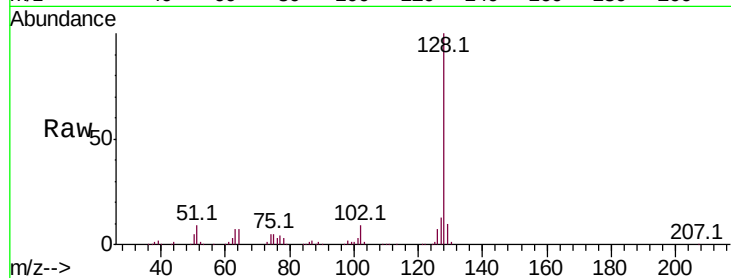
Tot Ion:128 Resp: 334922

Ion Ratio Lower Upper

128 100

129 10.5 8.5 12.7

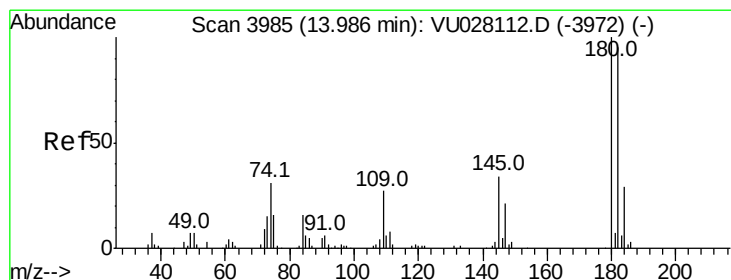
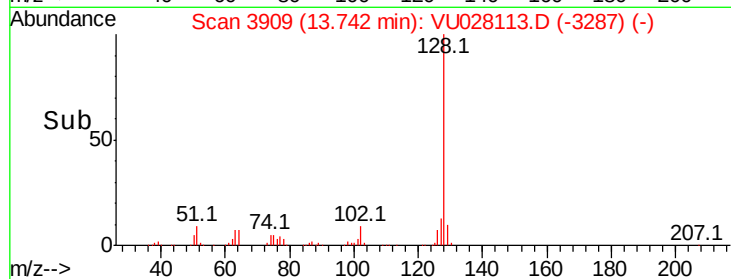
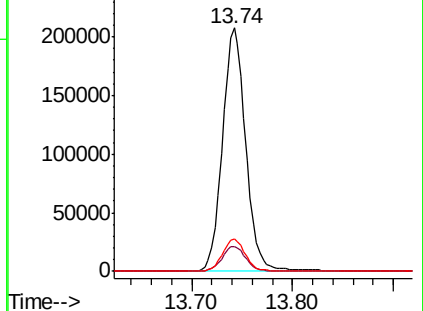
127 13.1 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.078 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028113.D

Acq: 14 Nov 2018 11:15

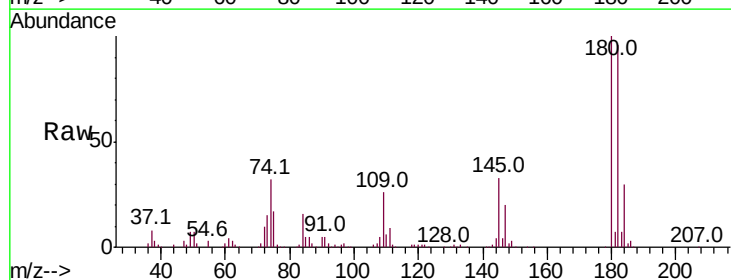
Tgt Ion:180 Resp: 163336

Ion Ratio Lower Upper

180 100

182 95.7 77.6 116.4

145 31.9 26.2 39.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

