

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036120.D
 Acq On : 11 Dec 2019 07:03
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 07:36:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 11 07:30:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	308562	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	325933	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	170671	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	142938	5.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	1.93	69	132153	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.59	63	200121	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.60%
20) 2-Butanone-d5	4.69	46	289013	61.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.34%
24) Chloroform-d	5.11	84	222808	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.75	65	114607	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.77	84	428875	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.73	67	131942	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.93	98	413187	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
43) trans-1,3-Dichloropropene-	8.21	79	51560	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
46) 2-Hexanone-d5	8.67	63	259522	69.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	138.34%#
57) 1,1,2,2-Tetrachloroethane-	10.78	84	124982	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	157021	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	150654	4.967 ug/L	97
3) Chloromethane	1.54	50	166431	5.619 ug/L	99
5) Vinyl chloride	1.62	62	188933	6.115 ug/L	100
6) Bromomethane	1.87	94	97744	3.937 ug/L	99
8) Chloroethane	1.95	64	119505	5.084 ug/L	98
9) Trichlorofluoromethane	2.16	101	248688	4.623 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	122369	4.099 ug/L	97
12) 1,1-Dichloroethene	2.61	96	112070	4.175 ug/L	91
13) Acetone	2.68	43	208461	35.041 ug/L	100
14) Carbon disulfide	2.82	76	349150	4.540 ug/L	99
15) Methyl Acetate	2.99	43	49230	5.605 ug/L	99
16) Methylene chloride	3.08	84	146787	4.708 ug/L	98
17) Methyl tert-butyl Ether	3.42	73	247272	5.350 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	113560	4.956 ug/L	98
19) 1,1-Dichloroethane	3.92	63	218264	5.307 ug/L	99
21) 2-Butanone	4.77	43	329207	55.287 ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	127019	5.282 ug/L	97

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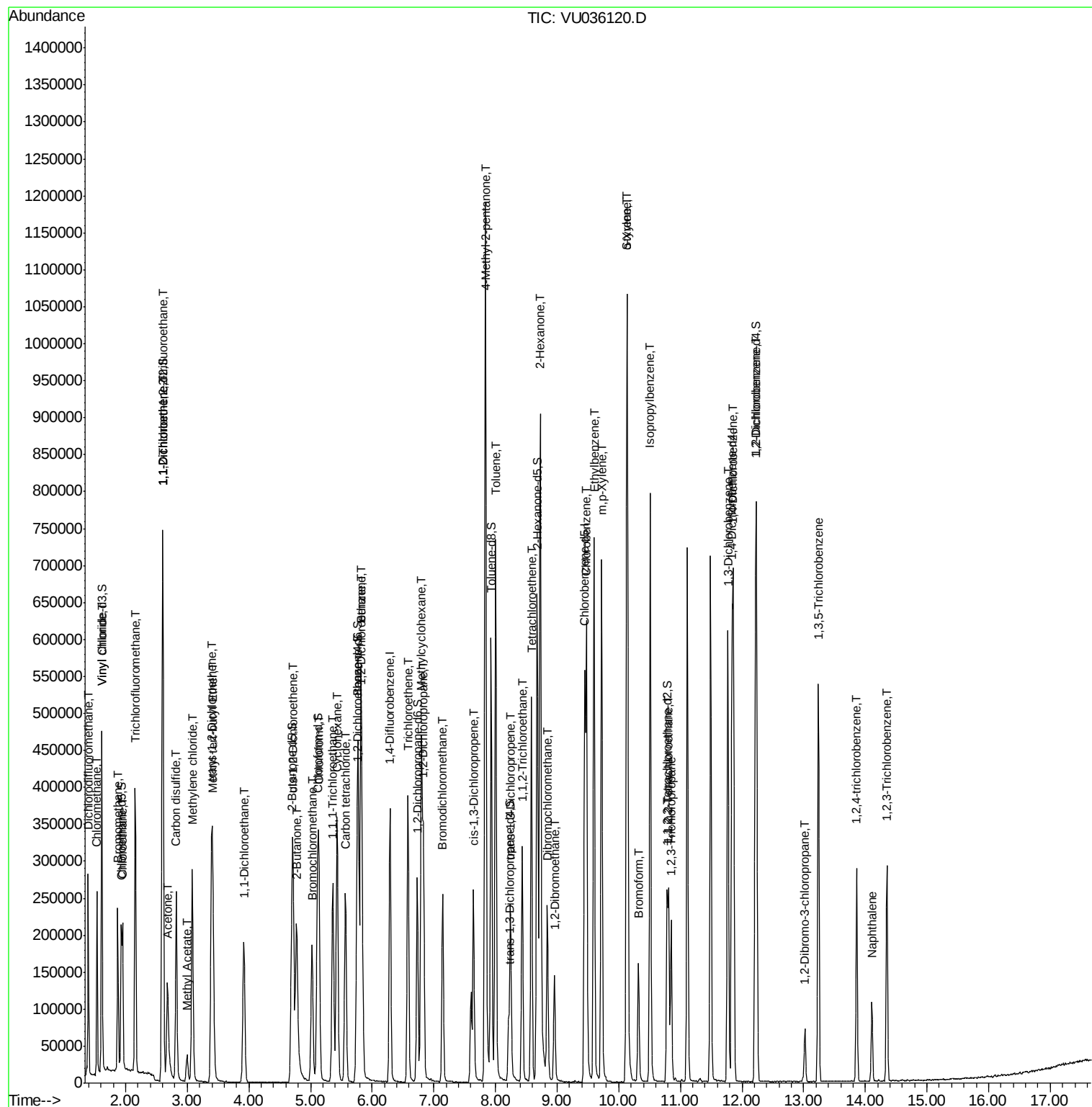
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	62976	5.065	ug/L	94
25) Chloroform	5.14	83	239599	5.228	ug/L	98
27) 1,2-Dichloroethane	5.84	62	144927	5.352	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	194071	5.283	ug/L	99
30) Cyclohexane	5.43	56	157275	5.453	ug/L	97
31) Carbon tetrachloride	5.57	117	177193	5.334	ug/L	99
33) Benzene	5.82	78	509562	5.720	ug/L	100
34) Trichloroethene	6.58	95	131299	5.551	ug/L	96
35) Methylcyclohexane	6.80	83	165800	5.225	ug/L	99
37) 1,2-Dichloropropane	6.83	63	128128	5.734	ug/L	99
38) Bromodichloromethane	7.14	83	169080	5.630	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	164044	5.402	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	758383	64.978	ug/L	99
42) Toluene	8.00	91	545397	5.709	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	145211	5.531	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	103042	5.857	ug/L	97
47) Tetrachloroethene	8.58	164	123006	5.470	ug/L	99
48) 2-Hexanone	8.73	43	587551	70.174	ug/L	98
49) Dibromochloromethane	8.84	129	123621	5.294	ug/L	99
50) 1,2-Dibromoethane	8.96	107	96441	5.669	ug/L	97
51) Chlorobenzene	9.48	112	347199	5.215	ug/L	100
52) Ethylbenzene	9.60	91	517702	5.172	ug/L	98
53) m,p-Xylene	9.72	106	205870	5.166	ug/L	98
54) o-Xylene	10.13	106	193577	5.172	ug/L	92
55) Styrene	10.14	104	345407	5.382	ug/L	100
56) Isopropylbenzene	10.51	105	506852	5.133	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	123991	5.331	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	95668	5.990	ug/L	97
61) Bromoform	10.32	173	75937	4.471	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	271410	4.862	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	267869	4.870	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	266841	4.837	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	19277	5.563	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	181979	4.811	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	93796	4.670	ug/L	97
69) Naphthalene	14.11	128	86065	4.453	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	93110	4.835	ug/L	99

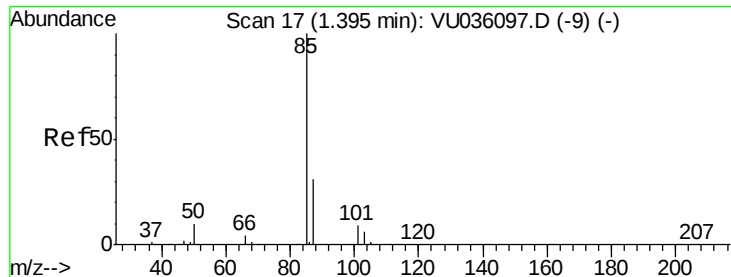
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.967 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

Instrument :

MSVOA_U

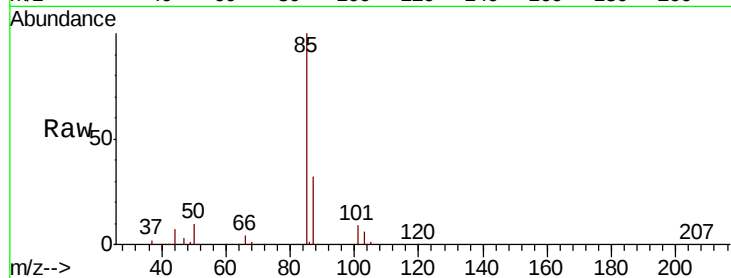
ClientSampleId :

Tot Ion: 85 Resp: 150654

Ion Ratio Lower Upper

85 100

87 32.2 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VU036120.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036120.D (-1) (-)

1.39

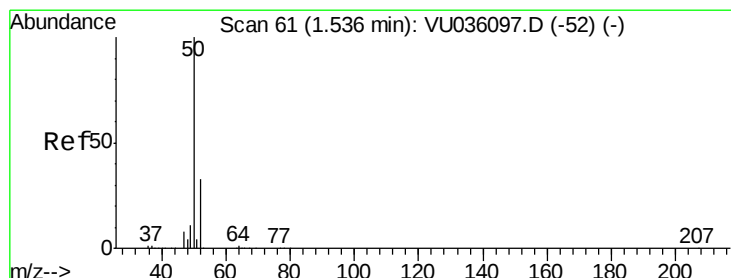
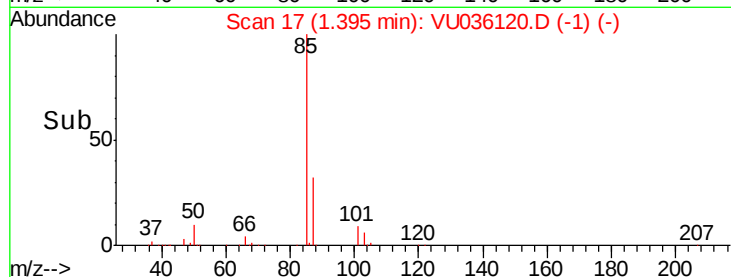
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.619 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036120.D

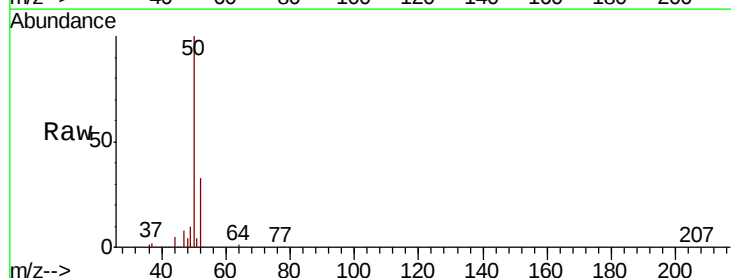
Acq: 11 Dec 2019 07:03

Tgt Ion: 50 Resp: 166431

Ion Ratio Lower Upper

50 100

52 33.3 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU036120.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU036120.D (-1) (-)

1.54

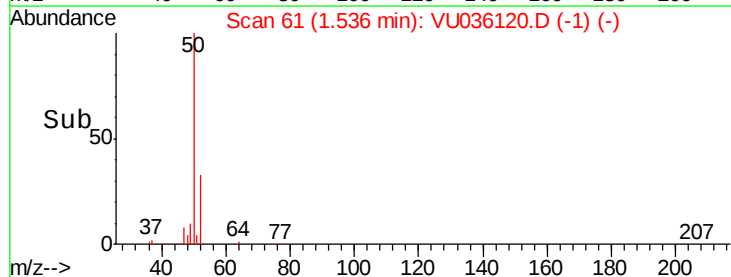
150000

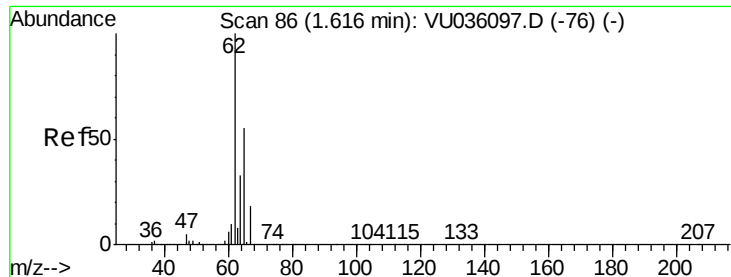
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 6.115 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

Instrument :

MSVOA_U

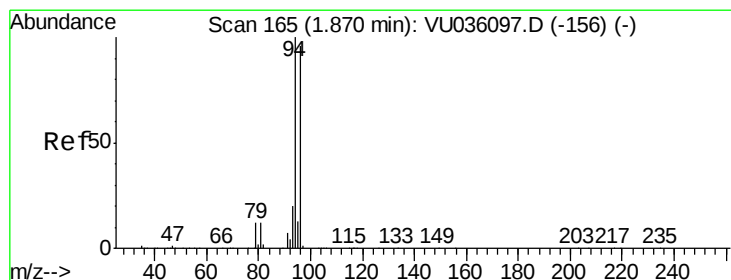
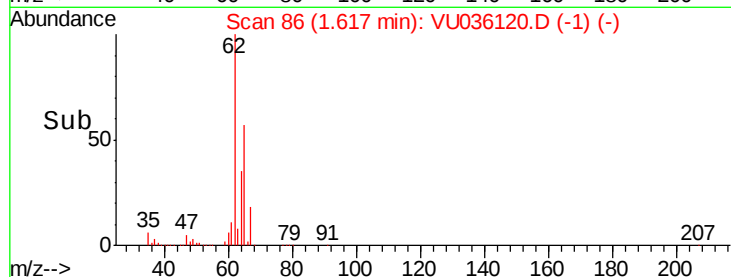
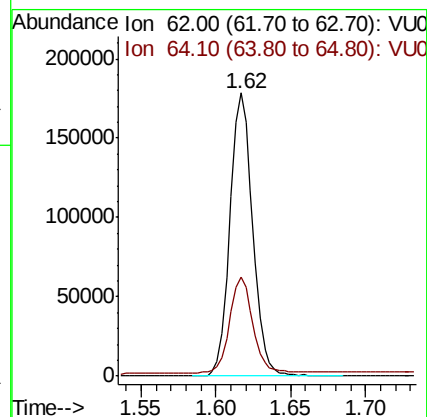
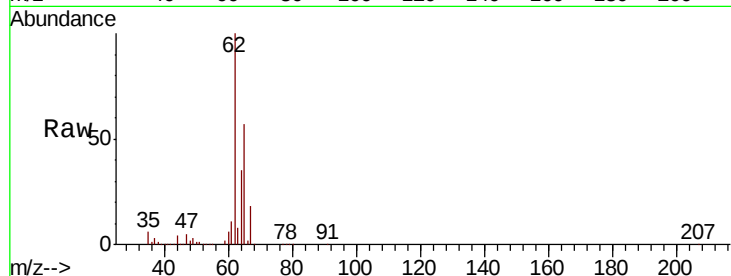
ClientSampleId :

Tot Ion: 62 Resp: 188933

Ion Ratio Lower Upper

62 100

64 34.9 24.3 45.1



#6

Bromomethane

Concen: 3.937 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036120.D

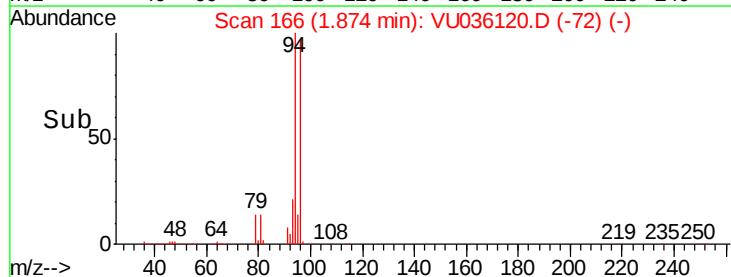
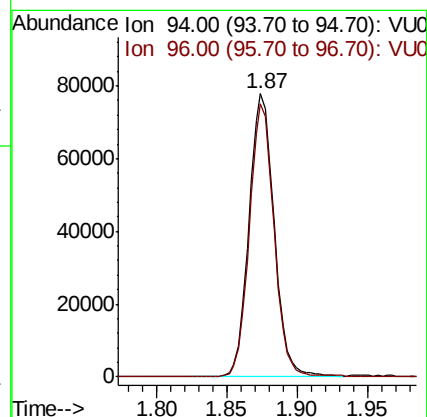
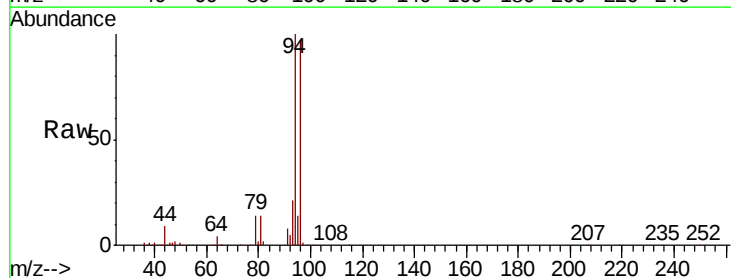
Acq: 11 Dec 2019 07:03

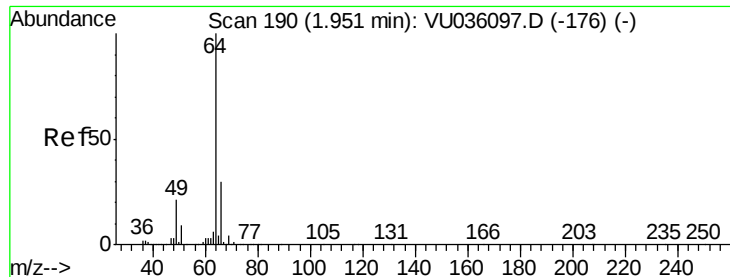
Tgt Ion: 94 Resp: 97744

Ion Ratio Lower Upper

94 100

96 96.6 66.8 124.2





#8

Chloroethane

Concen: 5.084 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

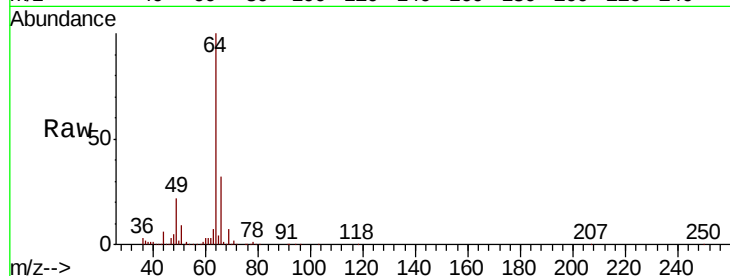
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 64 Resp: 119505

Ion Ratio Lower Upper

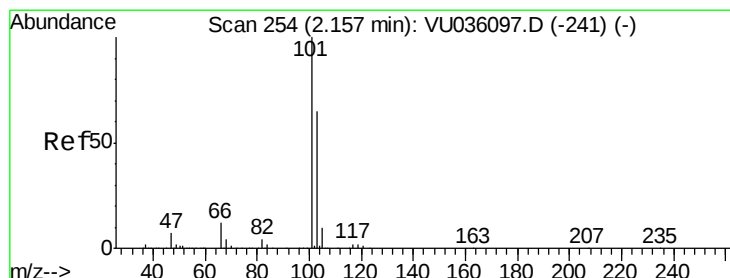
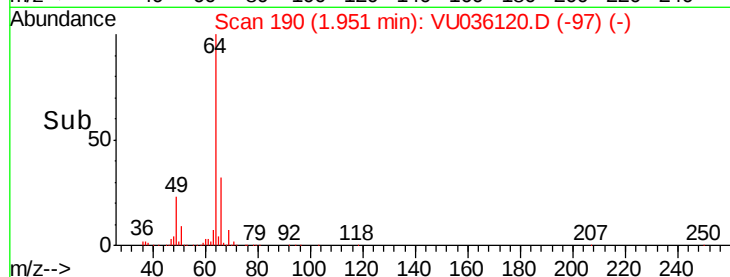
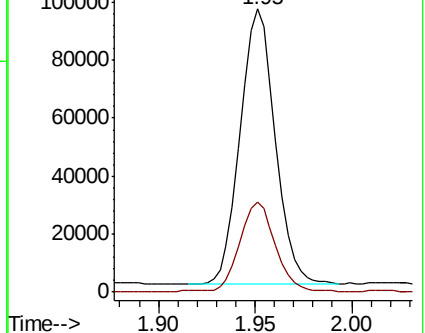
64 100

66 31.9 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VU036120.D (-97) (-)

Ion 66.05 (65.75 to 66.75): VU036120.D (-97) (-)



#9

Trichlorofluoromethane

Concen: 4.623 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036120.D

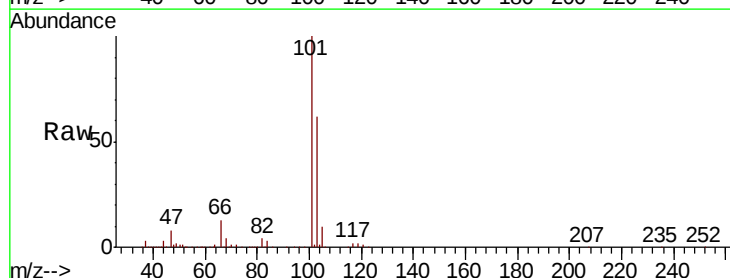
Acq: 11 Dec 2019 07:03

Tgt Ion:101 Resp: 248688

Ion Ratio Lower Upper

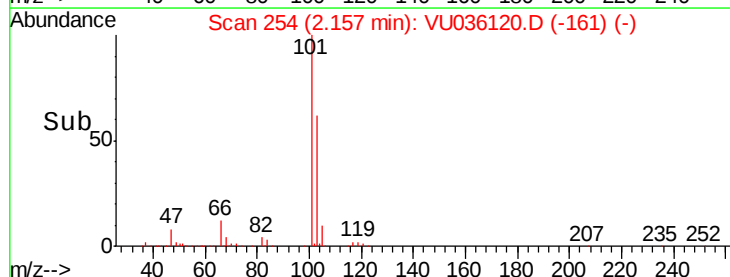
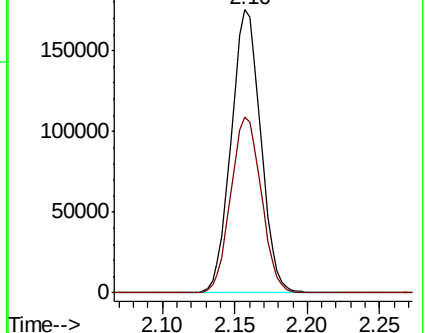
101 100

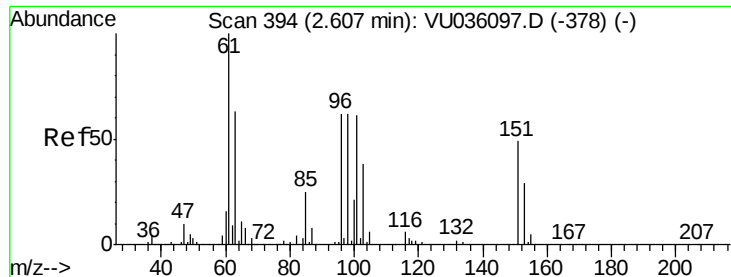
103 64.3 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VU036120.D (-161) (-)

Ion 103.00 (102.70 to 103.70): VU036120.D (-161) (-)





#10

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

Concen: 4.099 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

Instrument :

MSVOA_U

ClientSampled :

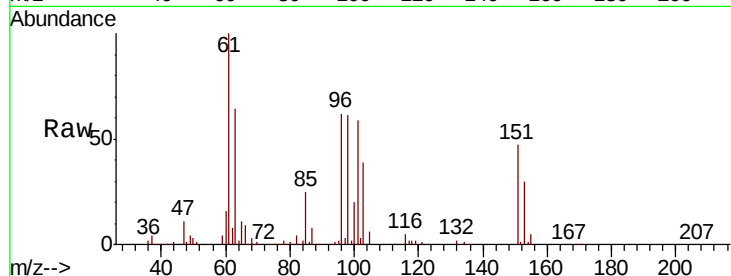
Tot Ion:101 Resp: 122369

Ion Ratio Lower Upper

101 100

85 42.4 33.1 49.7

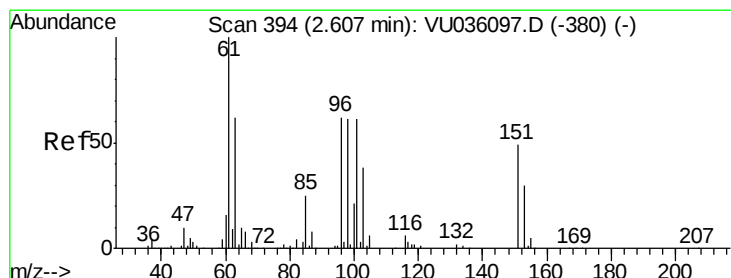
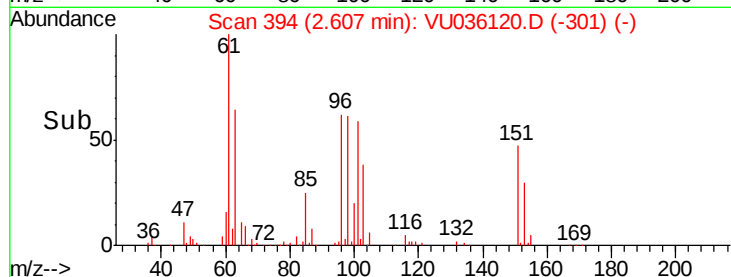
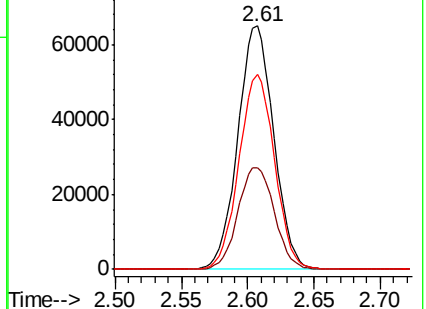
151 79.4 66.5 99.7



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: 4.175 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

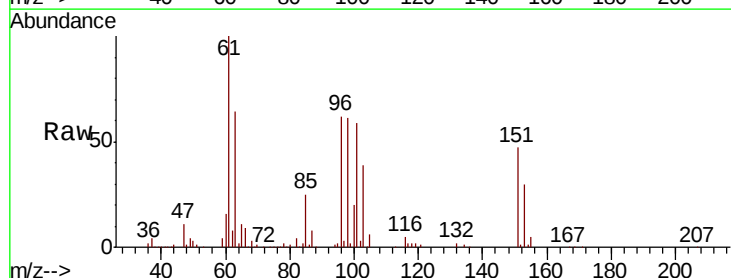
Tgt Ion: 96 Resp: 112070

Ion Ratio Lower Upper

96 100

61 160.4 104.3 193.7

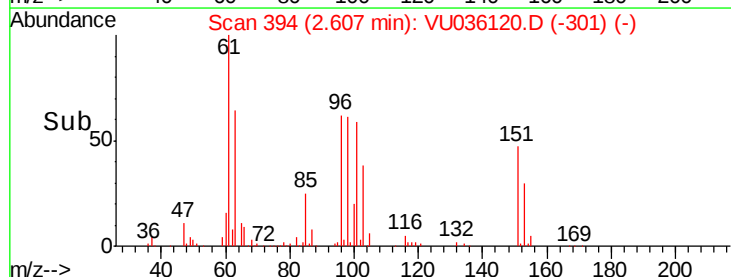
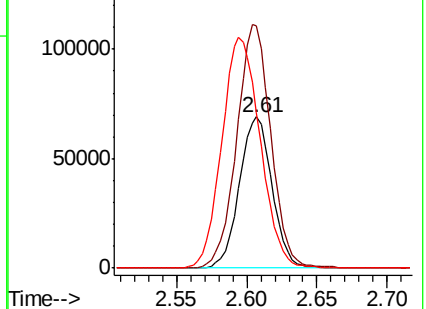
63 102.3 65.6 121.8

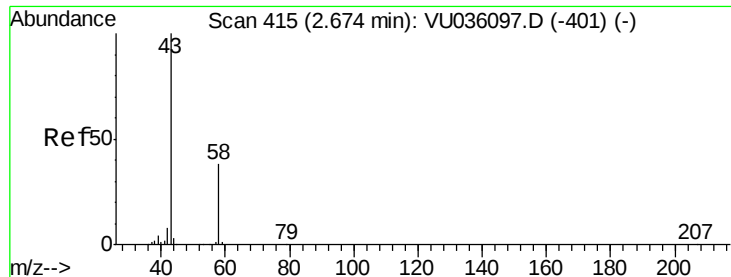


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 35.041 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

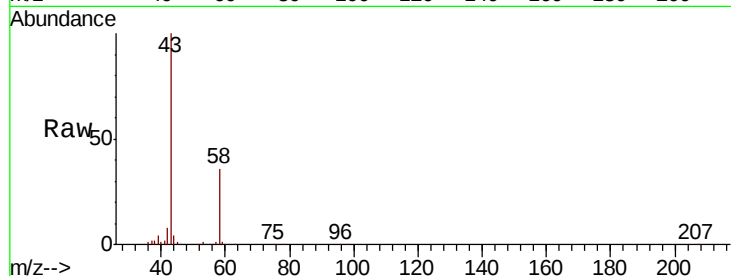
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 208461

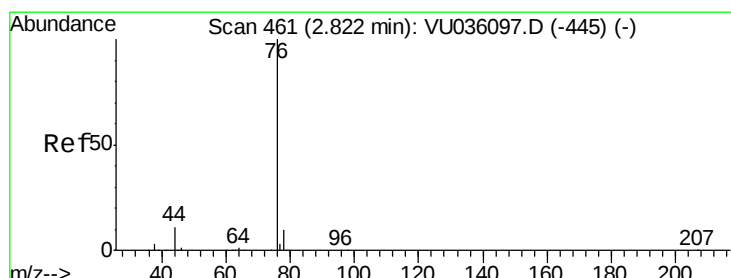
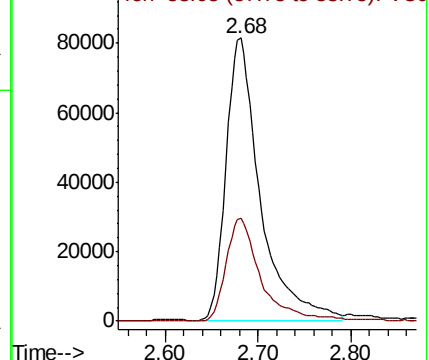
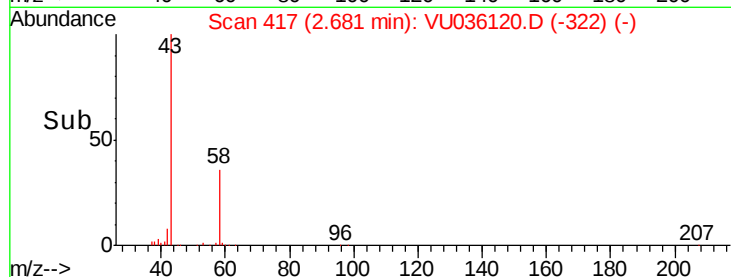
Ion Ratio Lower Upper

43 100

58 37.2 0.0 74.2



Abundance Ion 43.05 (42.75 to 43.75): VU036120.D (-322) (-)



#14

Carbon disulfide

Concen: 4.540 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036120.D

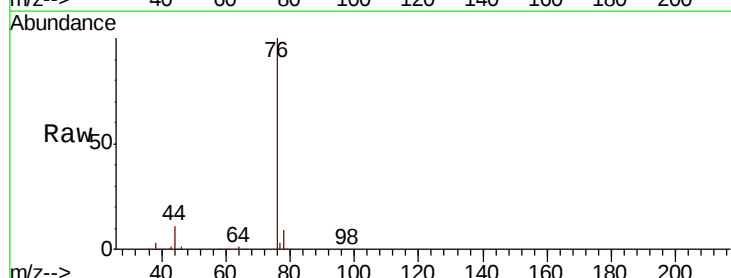
Acq: 11 Dec 2019 07:03

Tgt Ion: 76 Resp: 349150

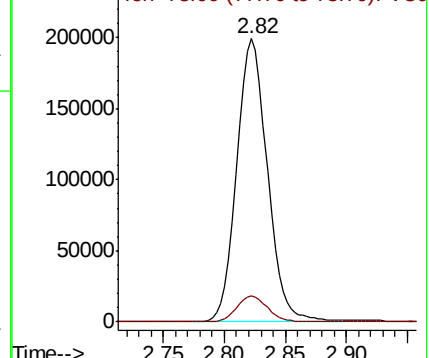
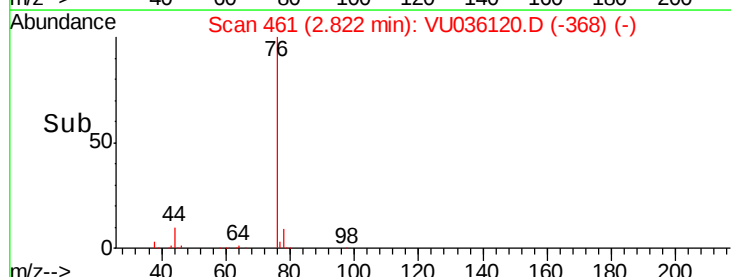
Ion Ratio Lower Upper

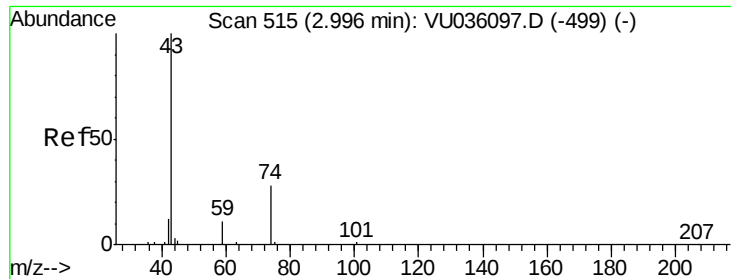
76 100

78 9.3 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU036120.D (-368) (-)

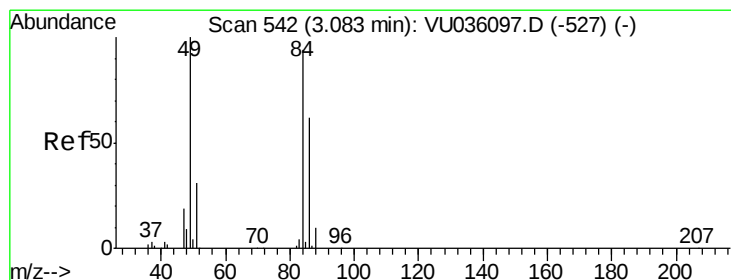
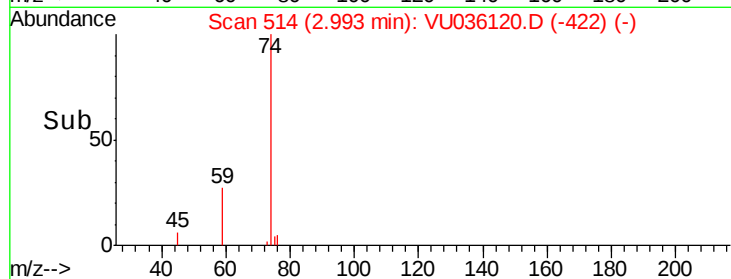
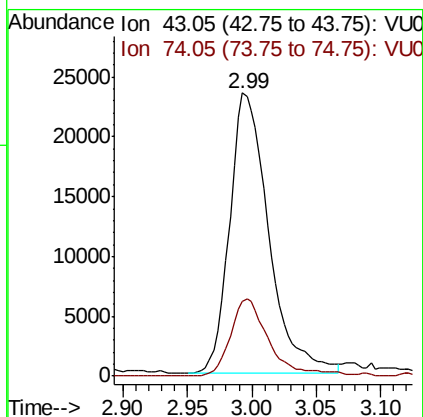
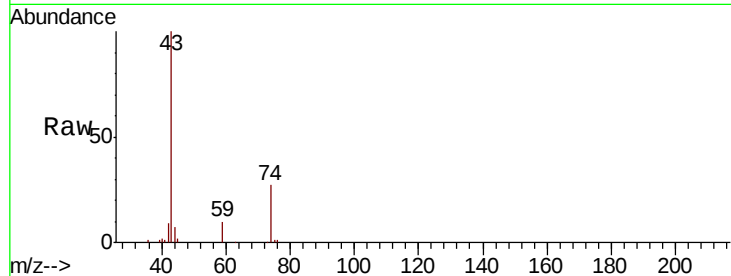




#15
Methvl Acetate
Concen: 5.605 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU036120.D
Acq: 11 Dec 2019 07:03

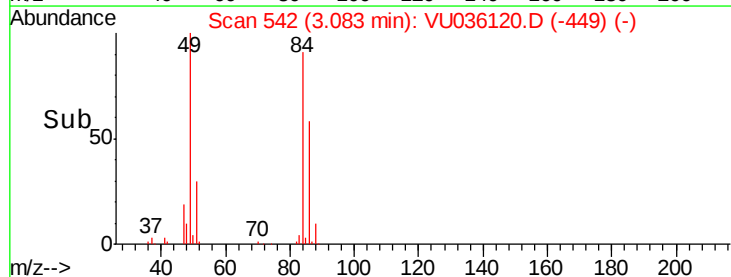
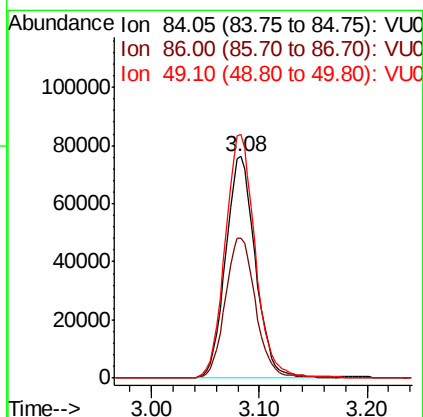
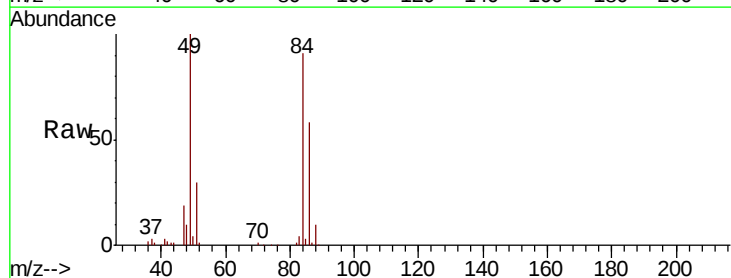
Instrument :
MSVOA_U
ClientSampled :

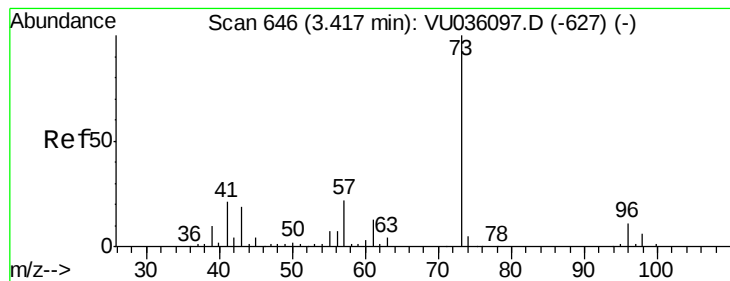
Tot Ion: 43 Resp: 49230
Ion Ratio Lower Upper
43 100
74 26.6 21.0 31.4



#16
Methylene chloride
Concen: 4.708 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036120.D
Acq: 11 Dec 2019 07:03

Tgt Ion: 84 Resp: 146787
Ion Ratio Lower Upper
84 100
86 63.4 47.5 88.3
49 109.9 76.9 142.9



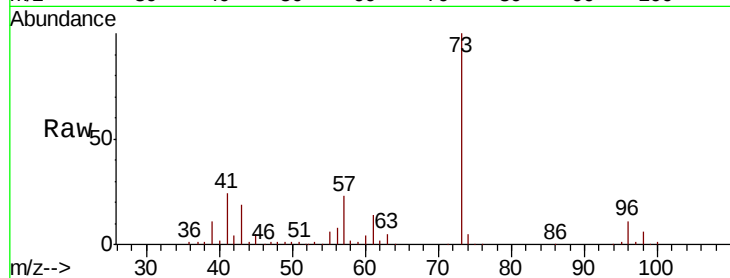


#17

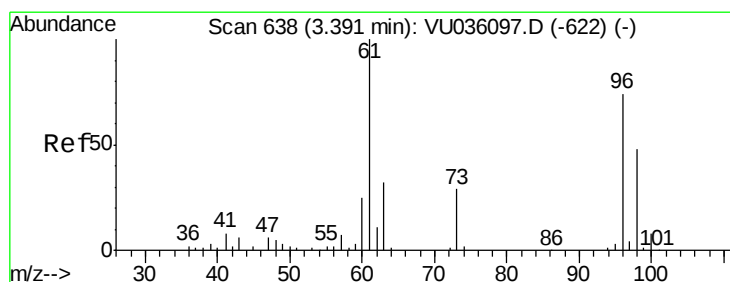
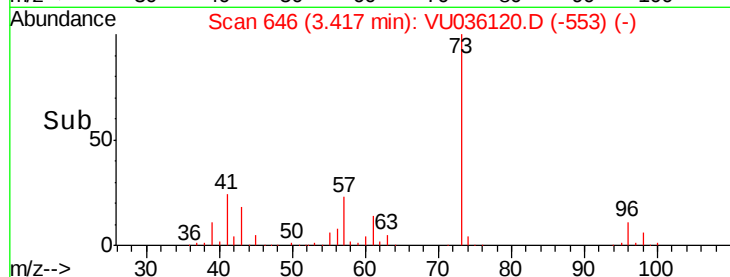
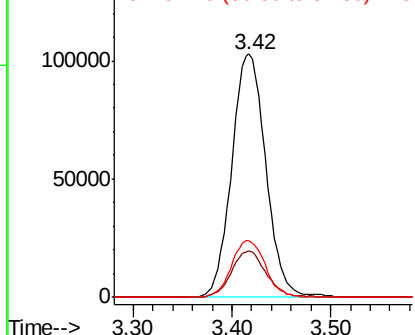
Methvl tert-butvl Ether
 Concen: 5.350 ug/L
 RT: 3.42 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: VU036120.D
 Acq: 11 Dec 2019 07:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 247272
 Ion Ratio Lower Upper
 73 100
 43 19.0 15.6 23.4
 57 23.2 17.4 26.2



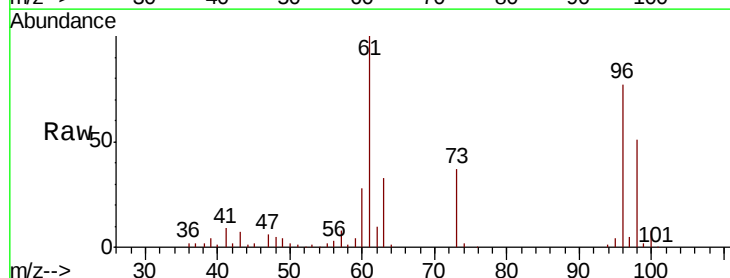
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



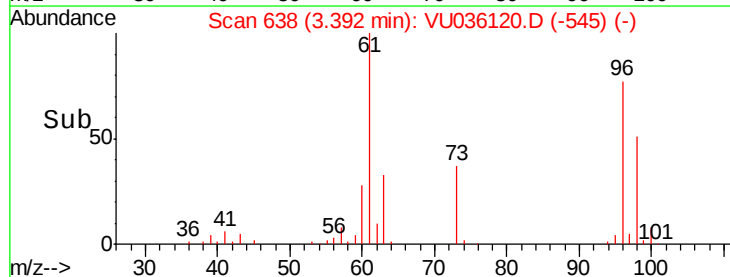
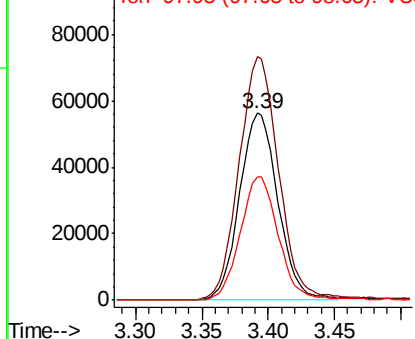
#18

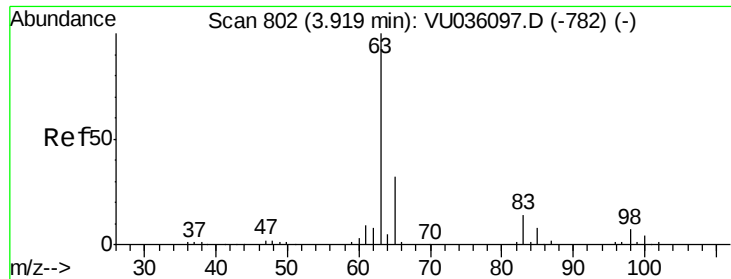
trans-1,2-Dichloroethene
 Concen: 4.956 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VU036120.D
 Acq: 11 Dec 2019 07:03

Tgt Ion: 96 Resp: 113560
 Ion Ratio Lower Upper
 96 100
 61 130.4 92.0 170.8
 98 66.3 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

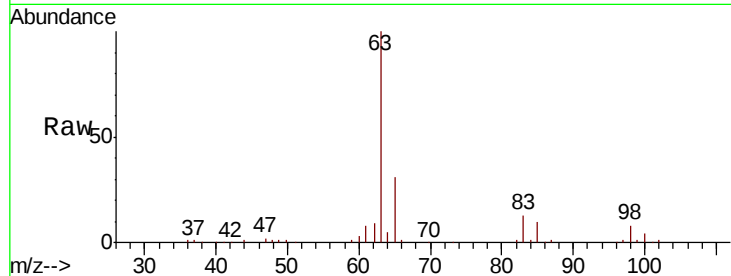




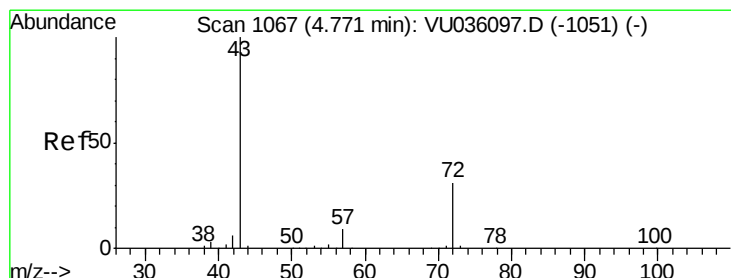
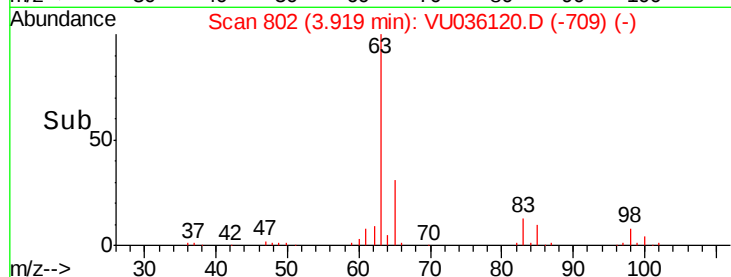
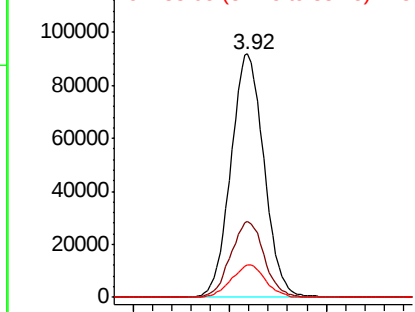
#19
 1,1-Dichloroethane
 Concen: 5.307 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036120.D
 Acq: 11 Dec 2019 07:03

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 218264
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.8 40.4
 83 13.3 10.1 18.9

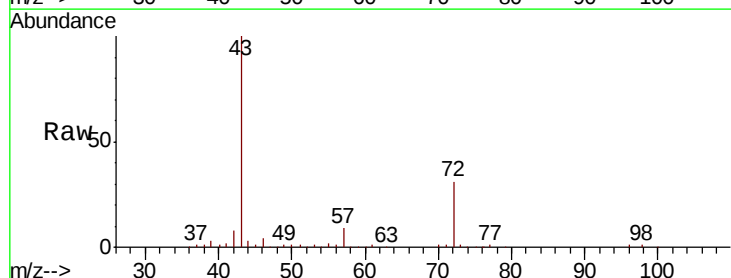


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

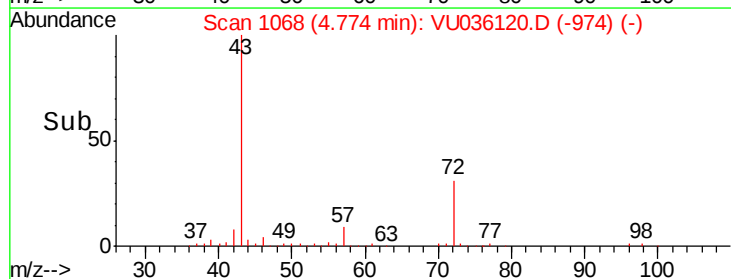
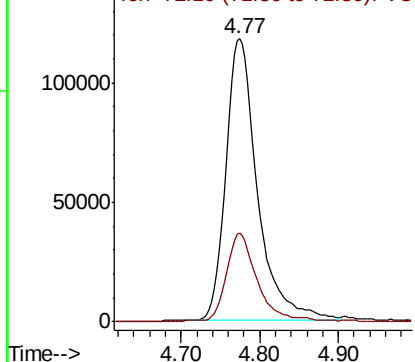


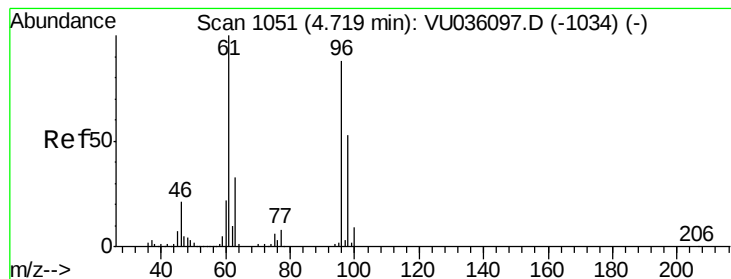
#21
 2-Butanone
 Concen: 55.287 ug/L
 RT: 4.77 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU036120.D
 Acq: 11 Dec 2019 07:03

Tgt Ion: 43 Resp: 329207
 Ion Ratio Lower Upper
 43 100
 72 28.6 15.0 45.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.282 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

Instrument :

MSVOA_U

ClientSampleId :

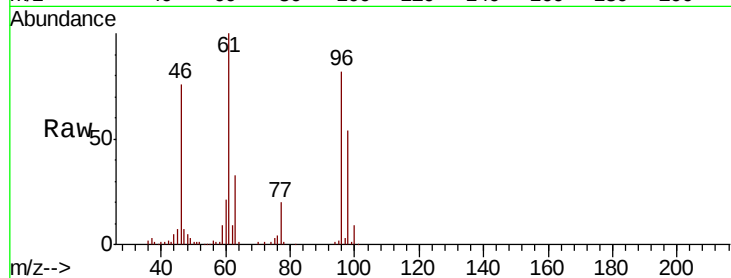
Tot Ion: 96 Resp: 127019

Ion Ratio Lower Upper

96 100

61 121.5 83.0 154.2

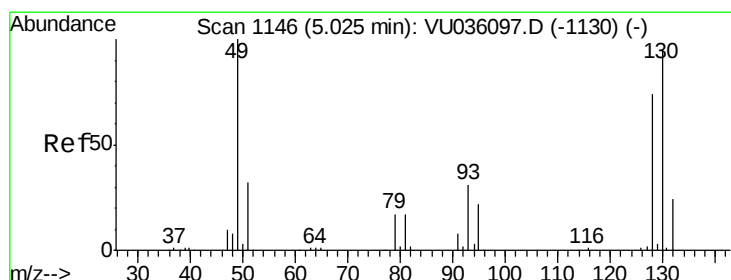
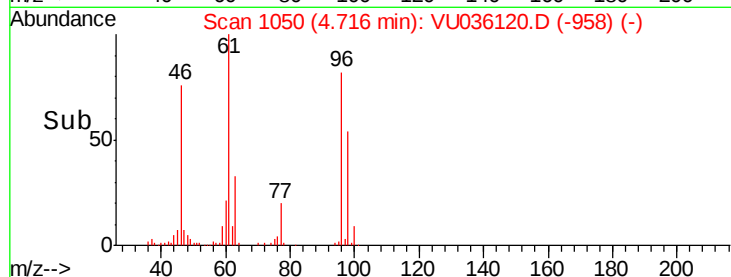
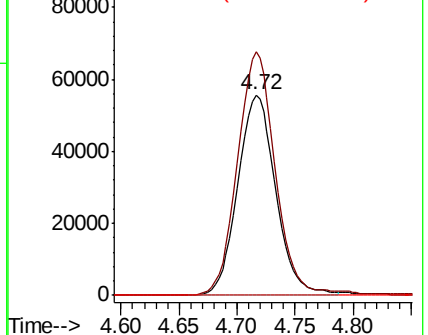
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036120.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU036120.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU036120.D (-958) (-)



#23

Bromochloromethane

Concen: 5.065 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

Tgt Ion: 128 Resp: 62976

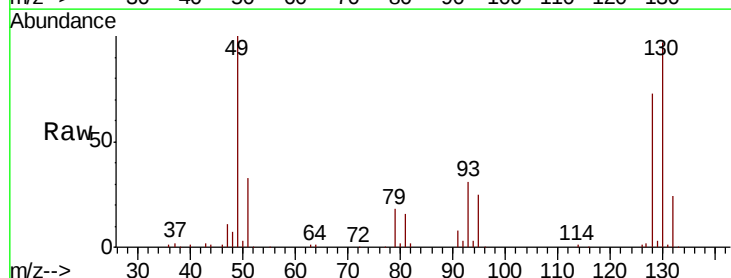
Ion Ratio Lower Upper

128 100

49 136.9 90.2 167.6

130 132.9 89.0 165.4

51 45.7 33.8 50.6

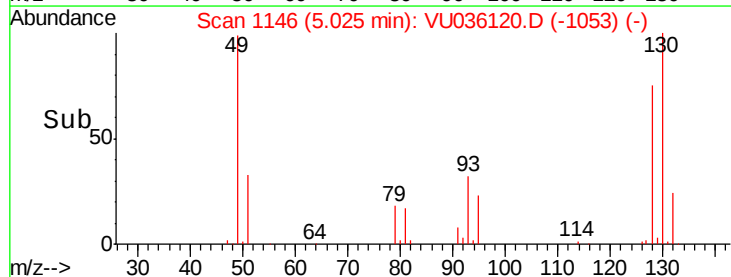
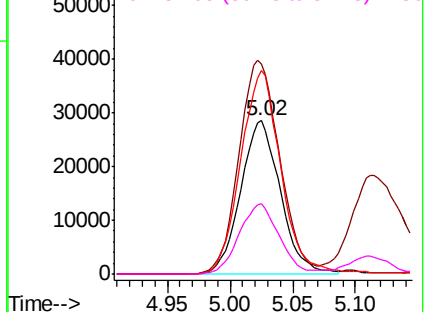


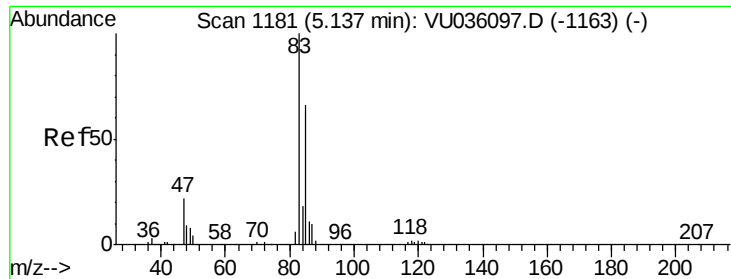
Abundance Ion 127.90 (127.60 to 128.60): VU036120.D (-1053) (-)

Ion 49.10 (48.80 to 49.80): VU036120.D (-1053) (-)

Ion 129.95 (129.65 to 130.65): VU036120.D (-1053) (-)

Ion 51.05 (50.75 to 51.75): VU036120.D (-1053) (-)

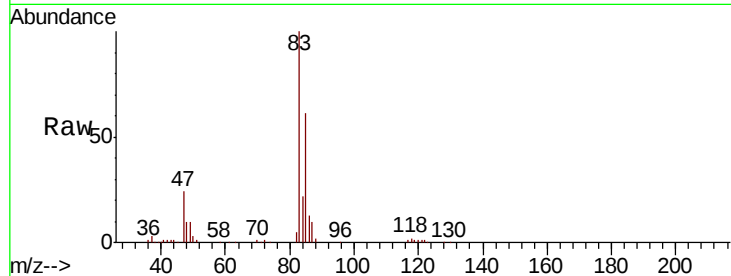




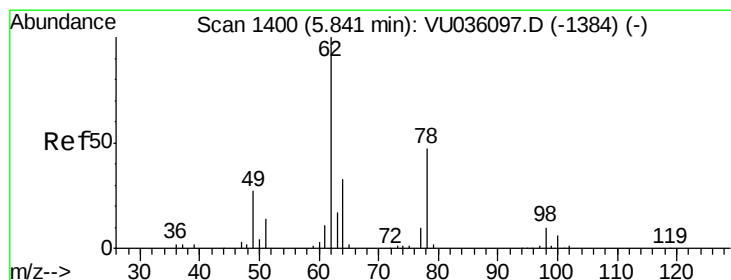
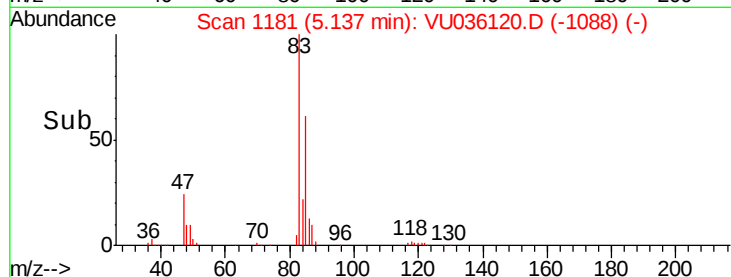
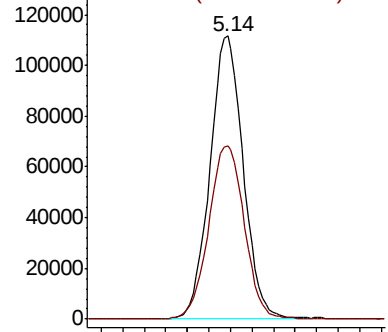
#25
Chloroform
Concen: 5.228 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036120.D
Acq: 11 Dec 2019 07:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 239599
Ion Ratio Lower Upper
83 100
85 61.3 43.9 81.5

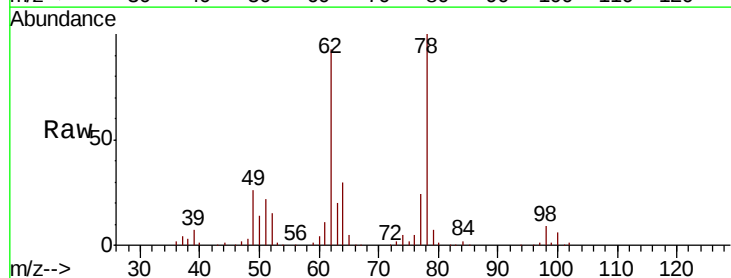


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

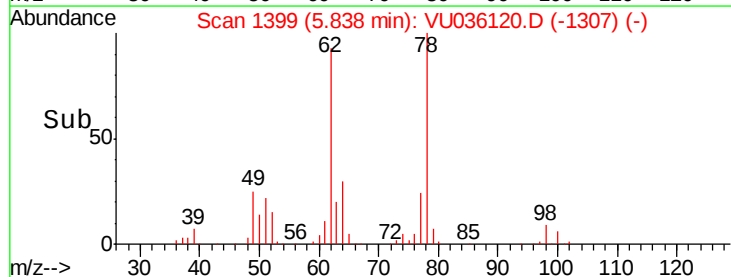
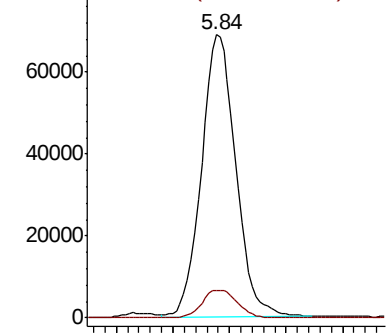


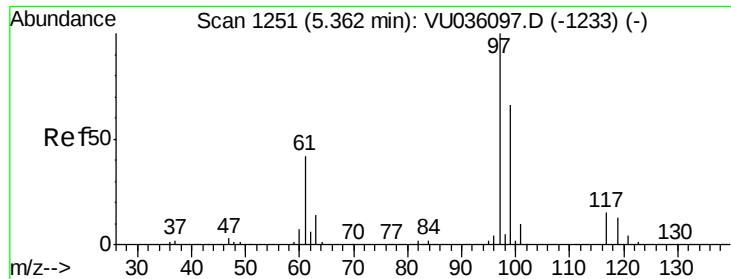
#27
1,2-Dichloroethane
Concen: 5.352 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036120.D
Acq: 11 Dec 2019 07:03

Tgt Ion: 62 Resp: 144927
Ion Ratio Lower Upper
62 100
98 9.6 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

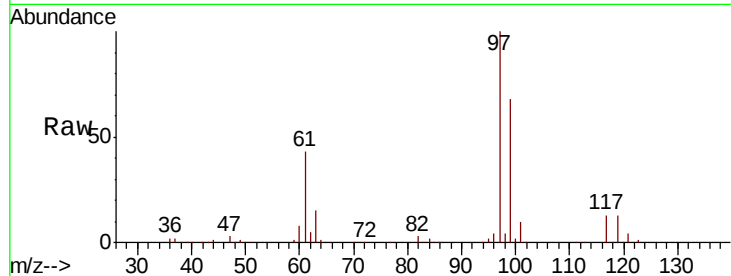




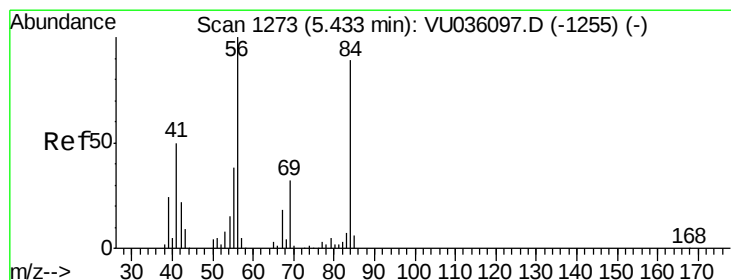
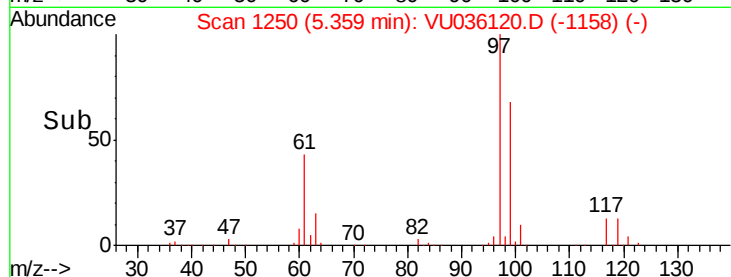
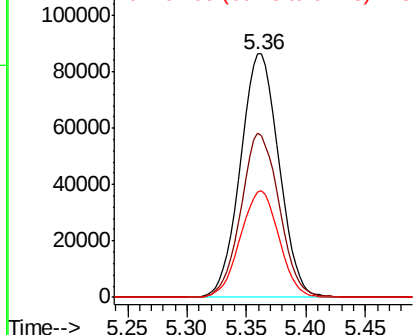
#29
 1,1,1-Trichloroethane
 Concen: 5.283 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU036120.D
 Acq: 11 Dec 2019 07:03

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 194071
 Ion Ratio Lower Upper
 97 100
 99 66.8 52.2 78.2
 61 43.8 34.7 52.1

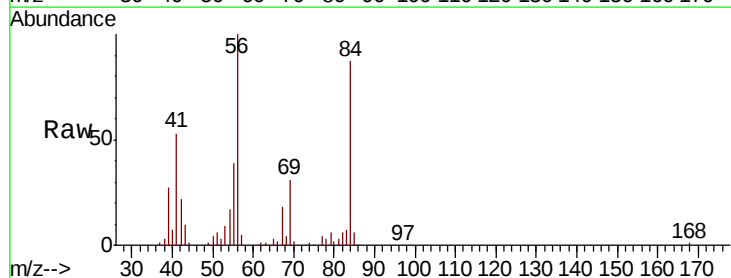


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

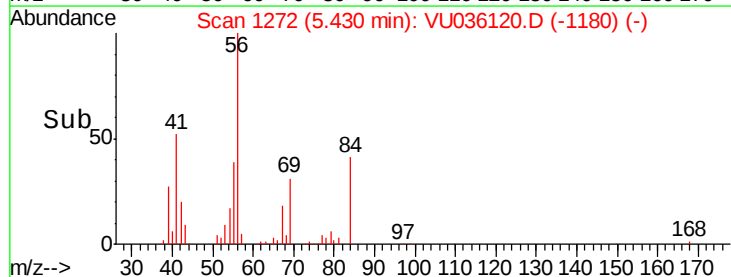
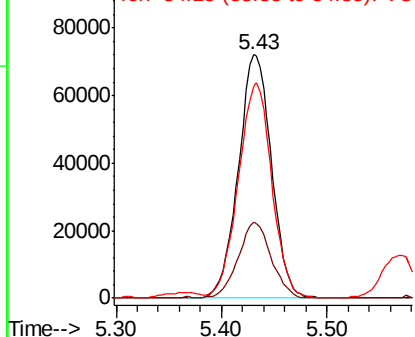


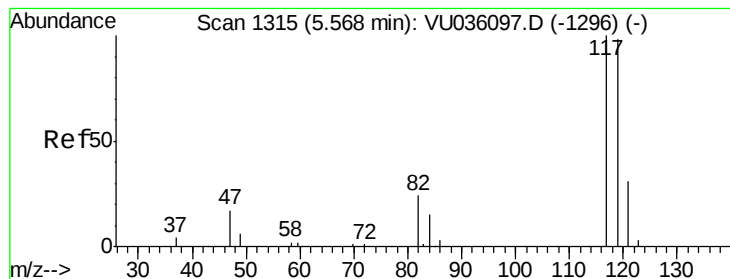
#30
 Cyclohexane
 Concen: 5.453 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU036120.D
 Acq: 11 Dec 2019 07:03

Tgt Ion: 56 Resp: 157275
 Ion Ratio Lower Upper
 56 100
 69 31.3 25.4 38.0
 84 89.0 74.5 111.7



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.334 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

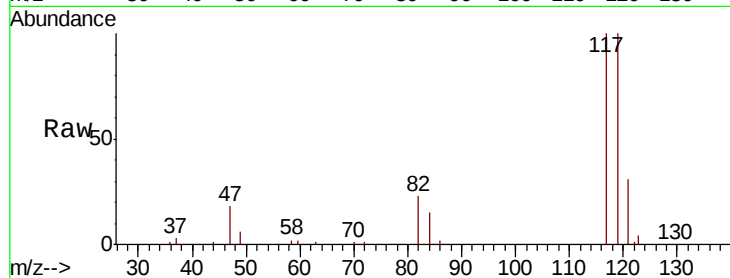
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 177193

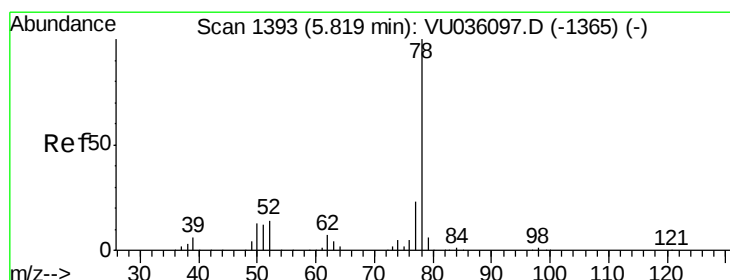
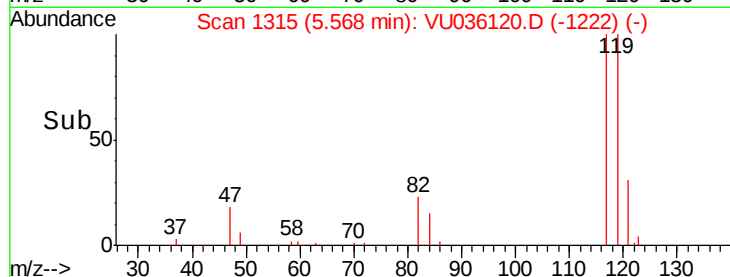
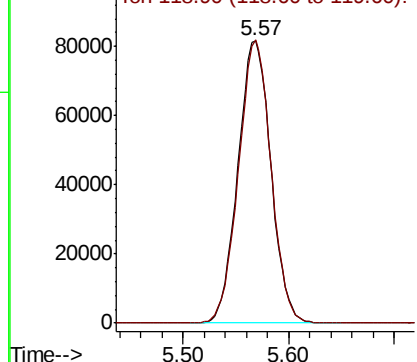
Ion Ratio Lower Upper

117 100

119 98.7 78.2 117.4



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



#33

Benzene

Concen: 5.720 ug/L

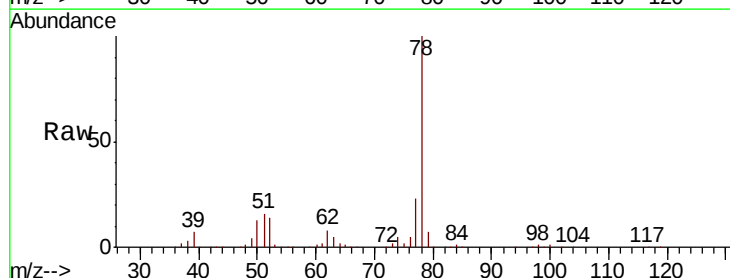
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

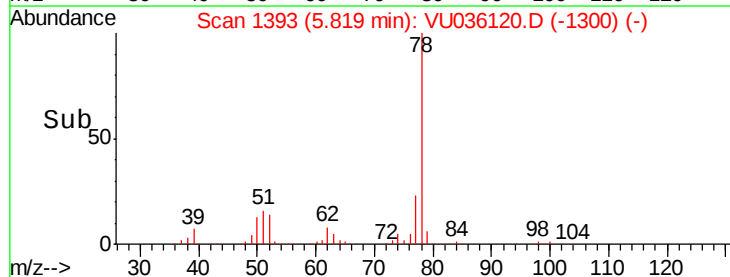
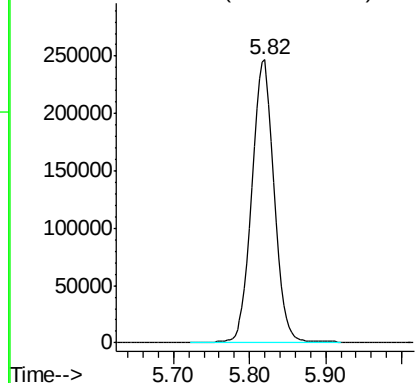
Lab File: VU036120.D

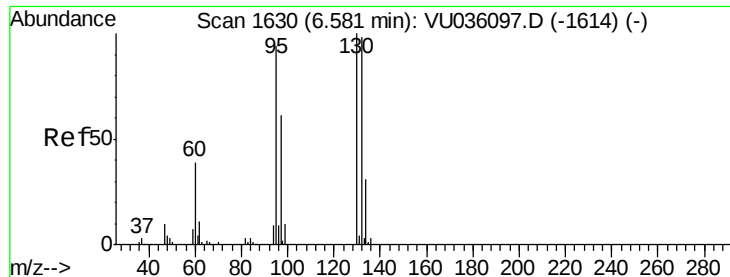
Acq: 11 Dec 2019 07:03

Tgt Ion: 78 Resp: 509562



Abundance Ion 78.10 (77.80 to 78.80): VU0

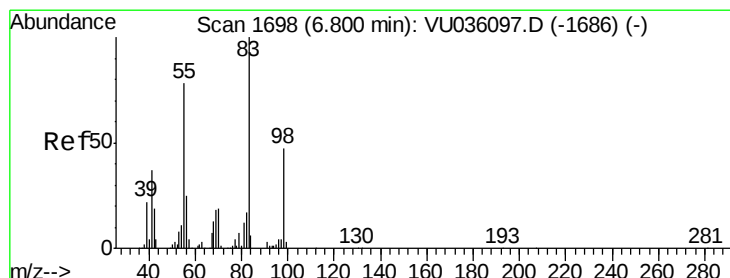
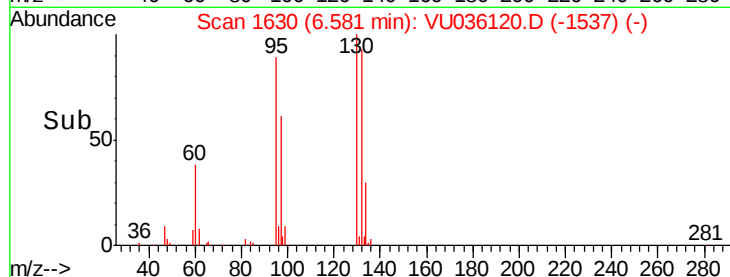
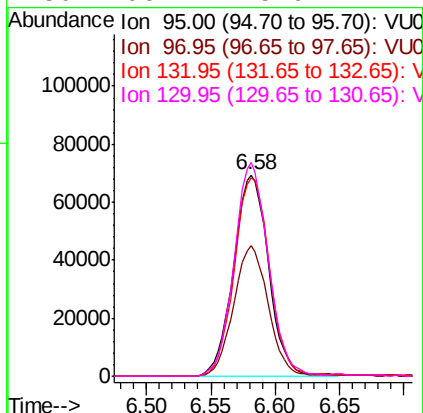
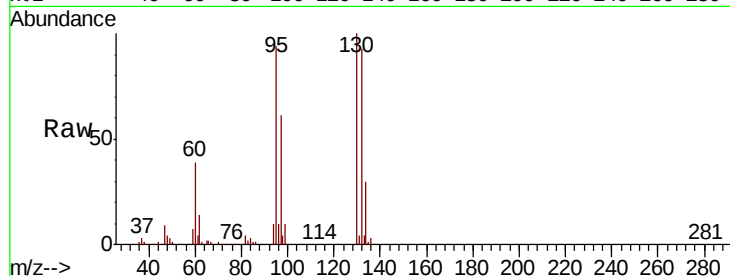




#34
 Trichloroethene
 Concen: 5.551 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036120.D
 Acq: 11 Dec 2019 07:03

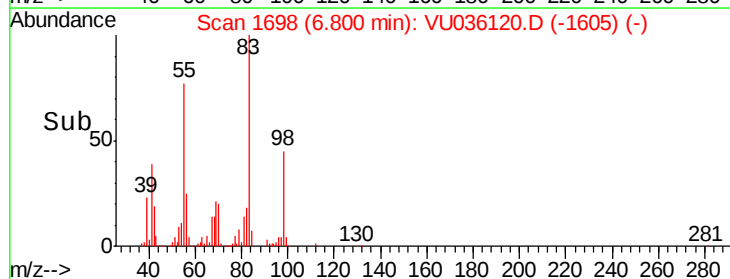
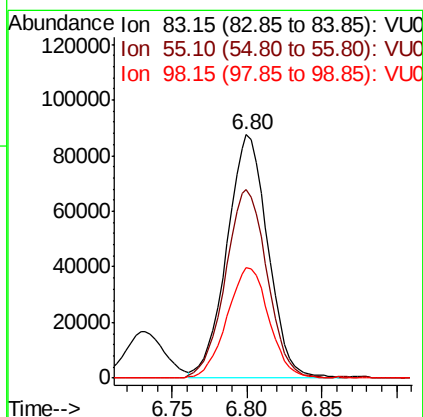
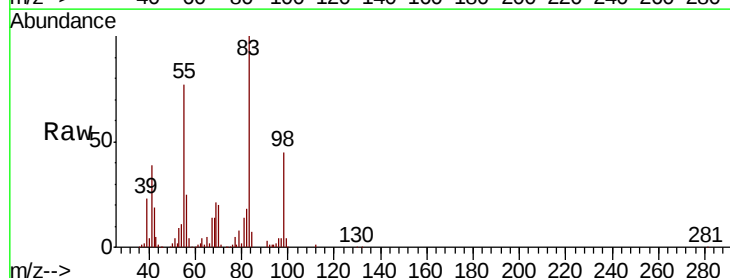
Instrument :
 MSVOA_U
 ClientSampleId :

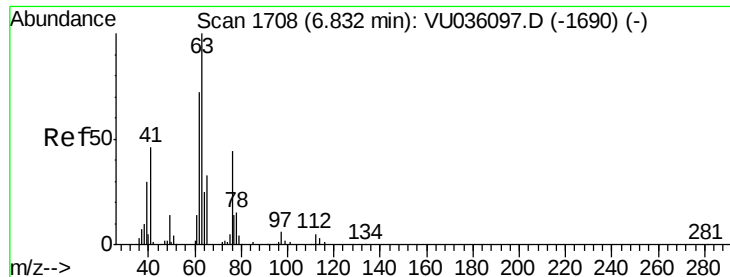
Tot Ion	95	Resp	131299
Ion Ratio	Lower	Upper	
95	100		
97	64.8	44.4	82.4
132	98.6	73.4	136.4
130	106.2	75.9	141.1



#35
 Methylcyclohexane
 Concen: 5.225 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU036120.D
 Acq: 11 Dec 2019 07:03

Tgt Ion	83	Resp	165800
Ion Ratio	Lower	Upper	
83	100		
55	78.8	62.1	93.1
98	46.2	37.0	55.4





#37

1,2-Dichloropropane

Concen: 5.734 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

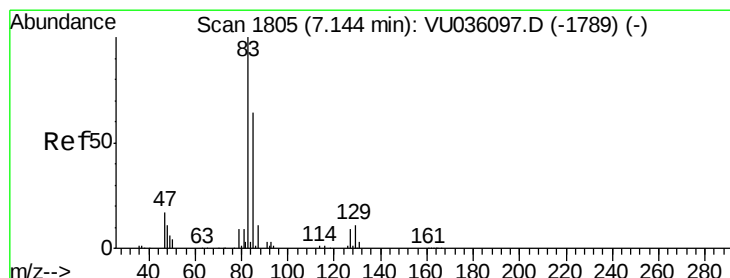
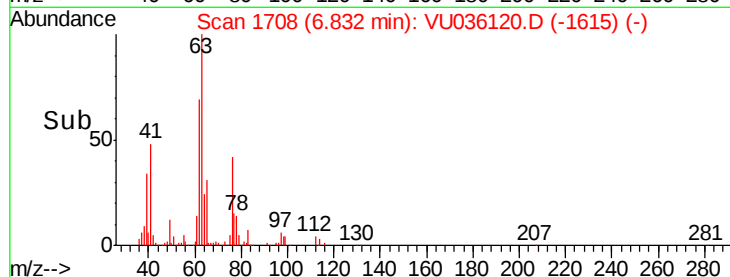
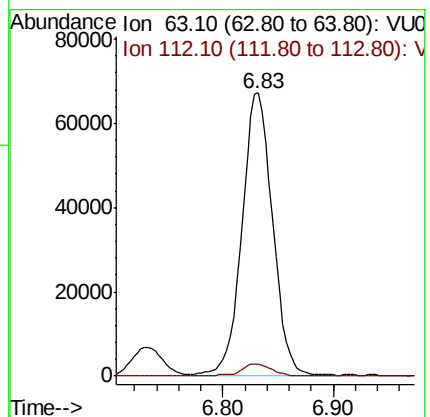
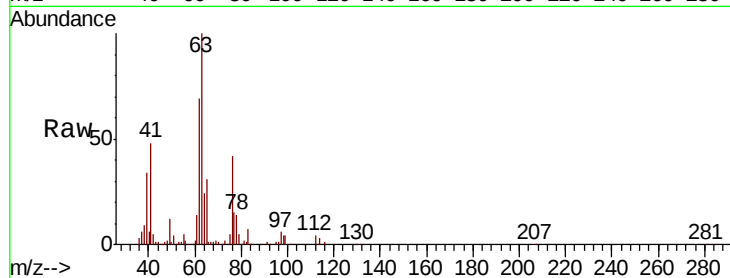
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 128128

Ion Ratio Lower Upper

63 100

112 4.3 3.8 5.8



#38

Bromodichloromethane

Concen: 5.630 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

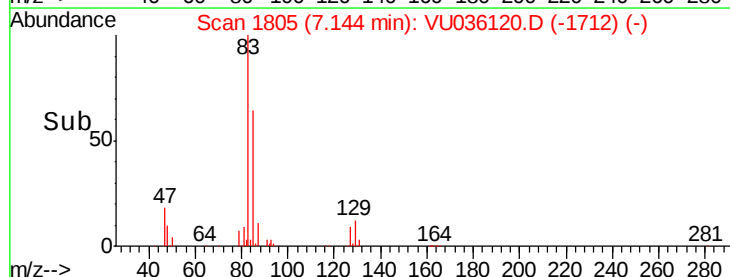
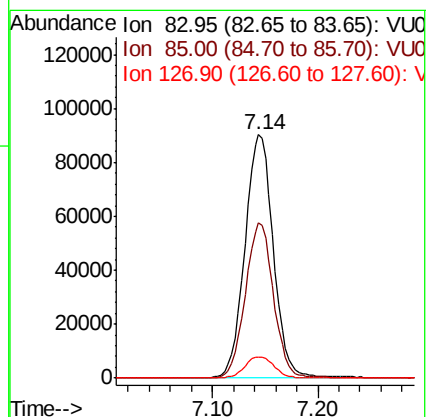
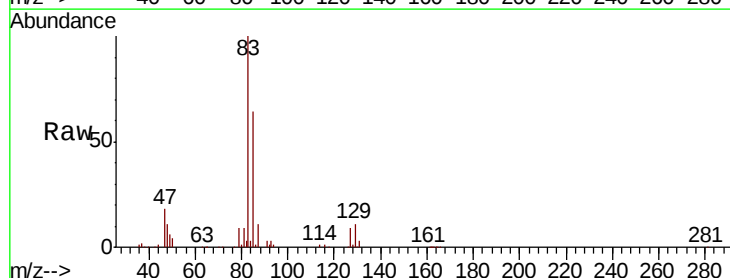
Tgt Ion: 83 Resp: 169080

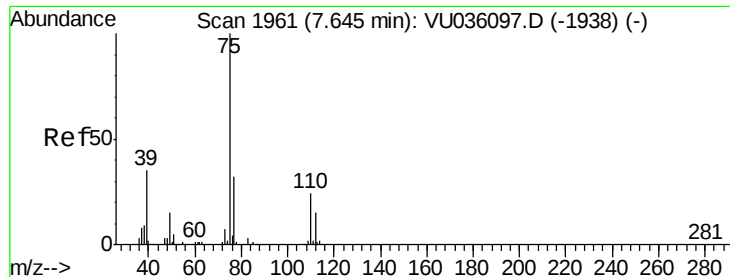
Ion Ratio Lower Upper

83 100

85 63.8 45.2 84.0

127 8.7 7.4 11.2

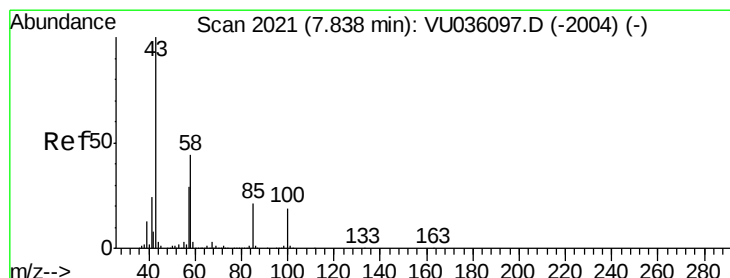
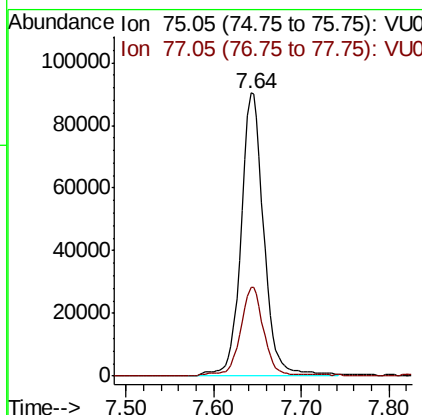
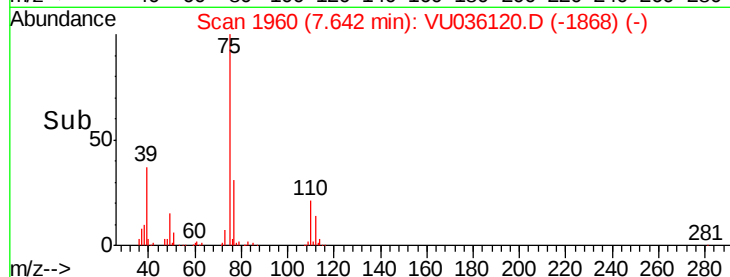
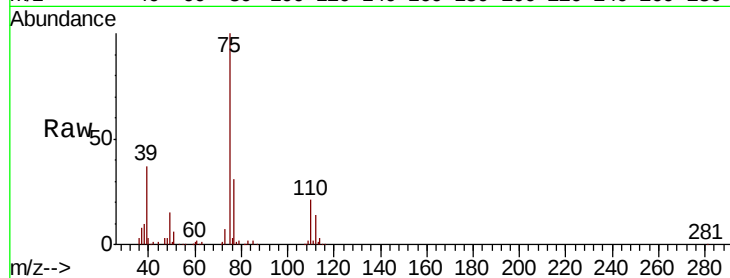




#39
 cis-1,3-Dichloropropene
 Concen: 5.402 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036120.D
 Acq: 11 Dec 2019 07:03

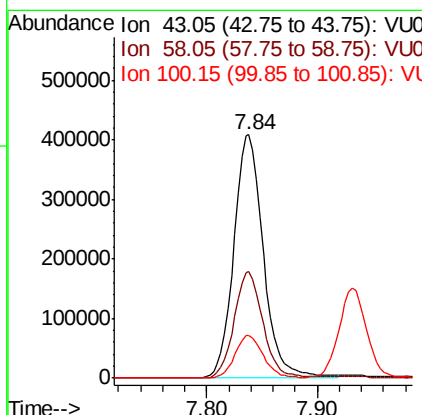
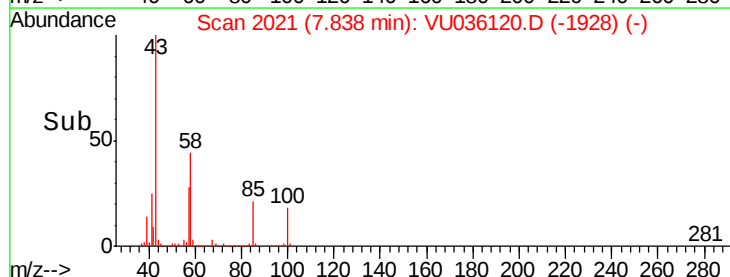
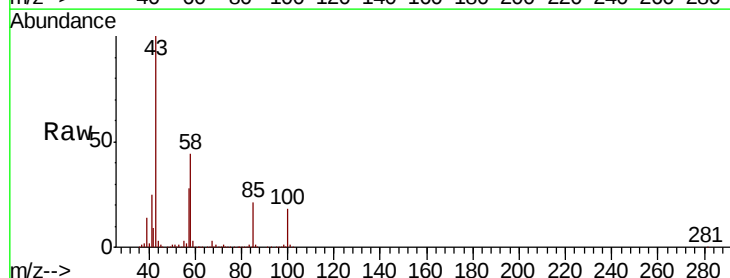
Instrument :
 MSVOA_U
 ClientSampleId :

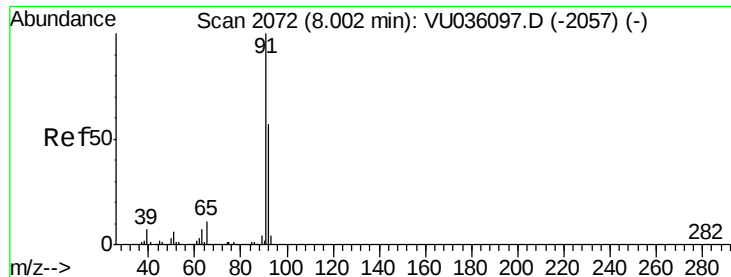
Tot Ion: 75 Resp: 164044
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 64.978 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VU036120.D
 Acq: 11 Dec 2019 07:03

Tgt Ion: 43 Resp: 758383
 Ion Ratio Lower Upper
 43 100
 58 43.0 34.5 51.7
 100 16.9 14.3 21.5





#42

Toluene

Concen: 5.709 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

Instrument :

MSVOA_U

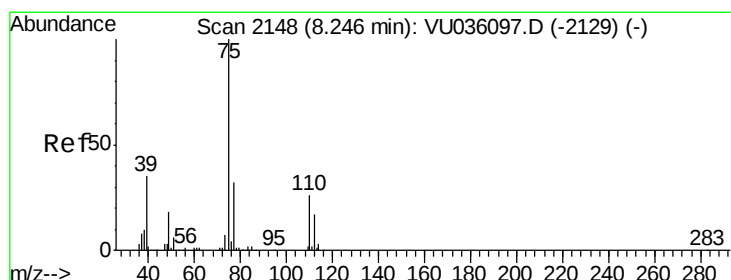
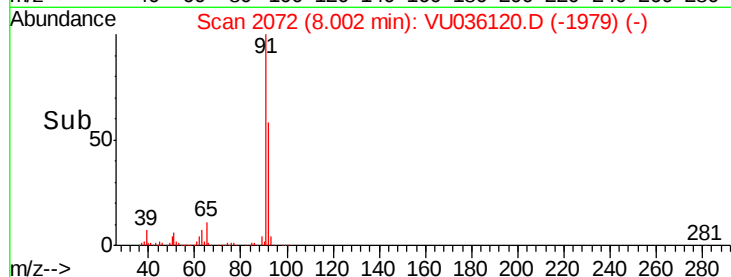
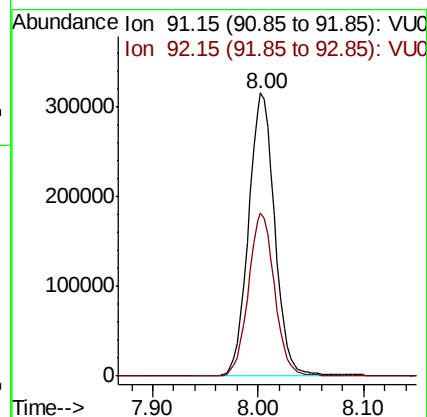
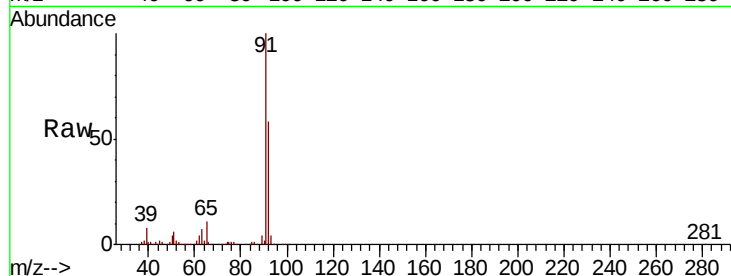
ClientSampleId :

Tot Ion: 91 Resp: 545397

Ion Ratio Lower Upper

91 100

92 57.6 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 5.531 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036120.D

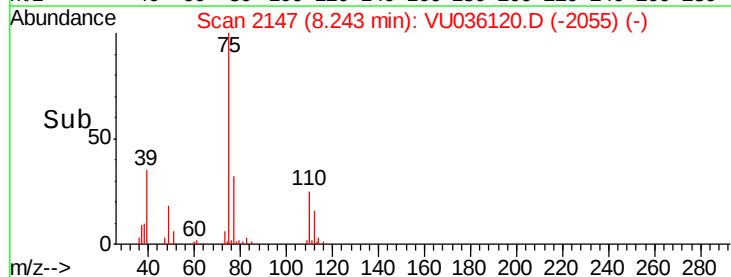
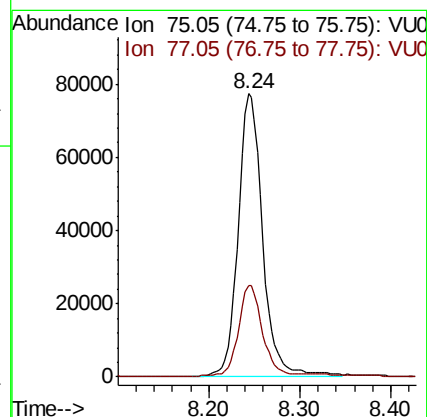
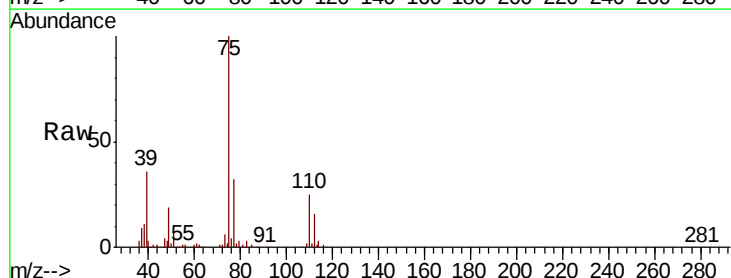
Acq: 11 Dec 2019 07:03

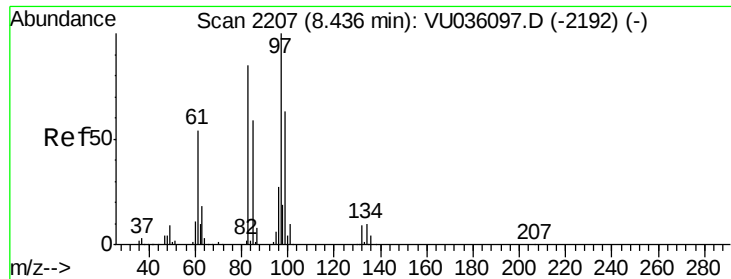
Tgt Ion: 75 Resp: 145211

Ion Ratio Lower Upper

75 100

77 32.5 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 5.857 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 103042

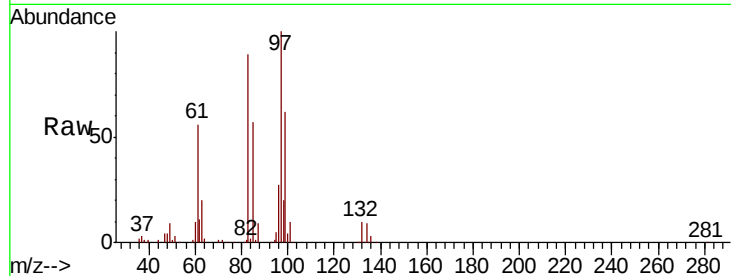
Ion Ratio Lower Upper

97 100

99 62.3 46.1 85.7

83 88.5 59.6 110.8

85 57.2 40.5 75.3

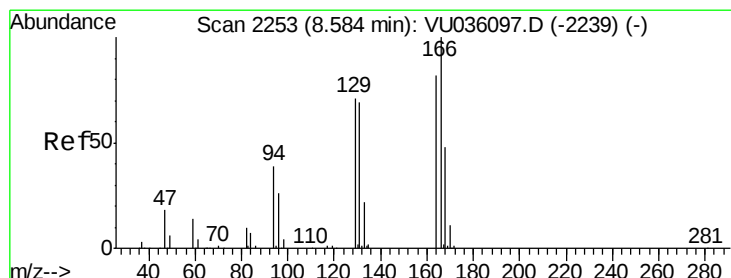
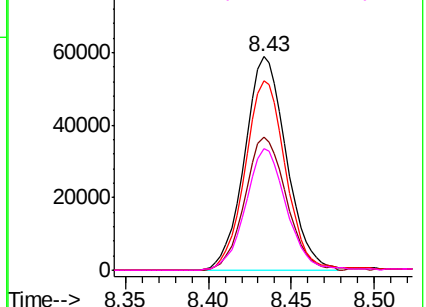
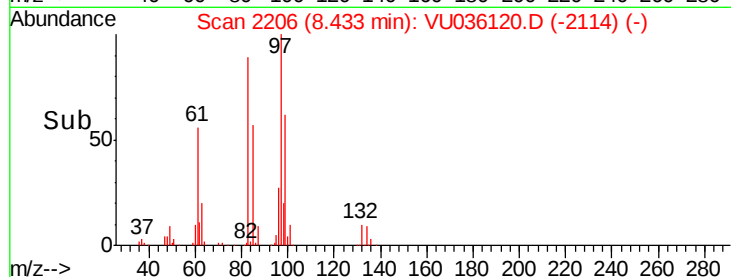


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.470 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

Tgt Ion: 164 Resp: 123006

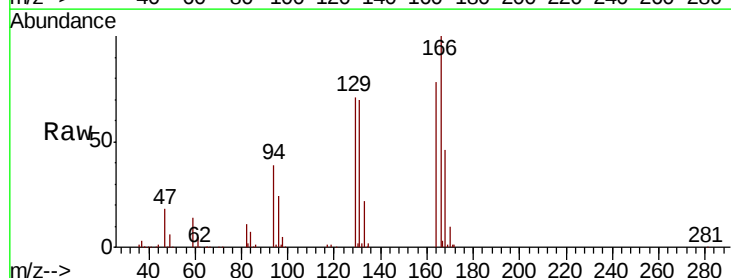
Ion Ratio Lower Upper

164 100

129 90.7 63.1 117.3

131 88.7 61.5 114.1

166 127.4 91.0 169.0

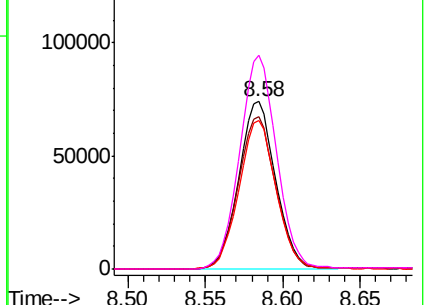
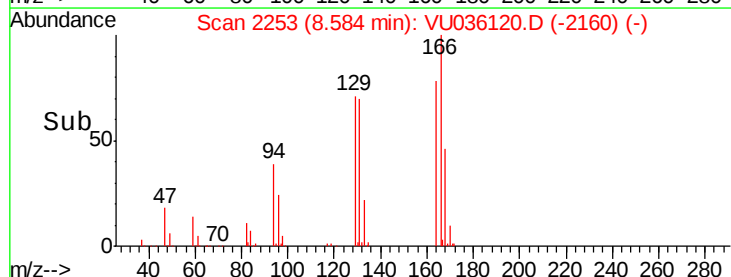


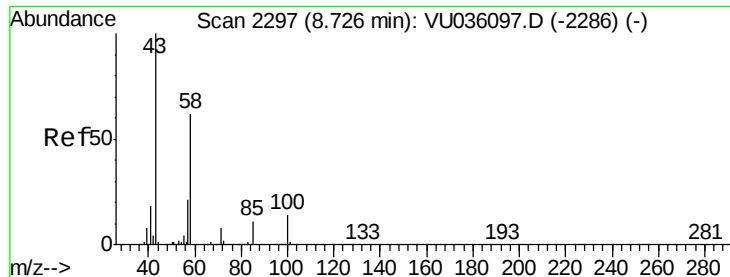
Abundance Ion 163.90 (163.60 to 164.60): V

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

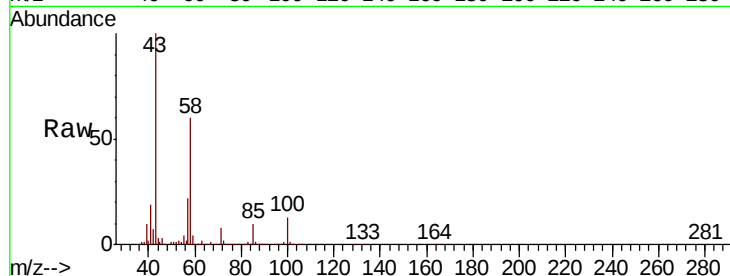




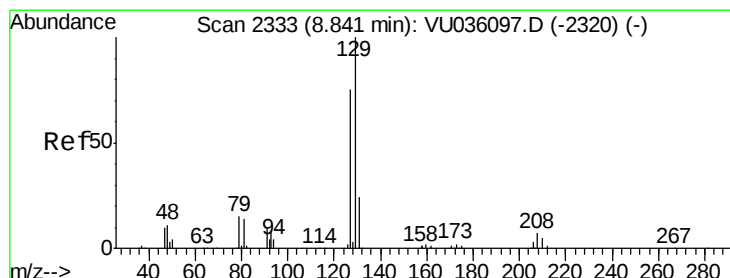
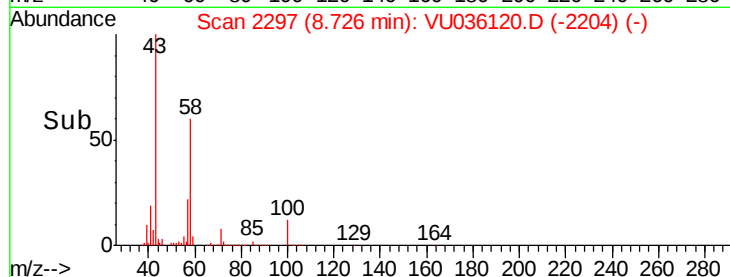
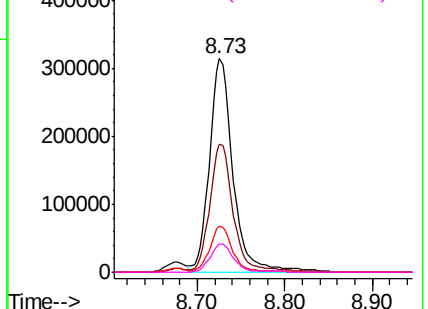
#48
2-Hexanone
Concen: 70.174 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU036120.D
Acq: 11 Dec 2019 07:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 587551
Ion Ratio Lower Upper
43 100
58 60.3 46.9 70.3
57 21.6 16.4 24.6
100 13.0 11.0 16.4

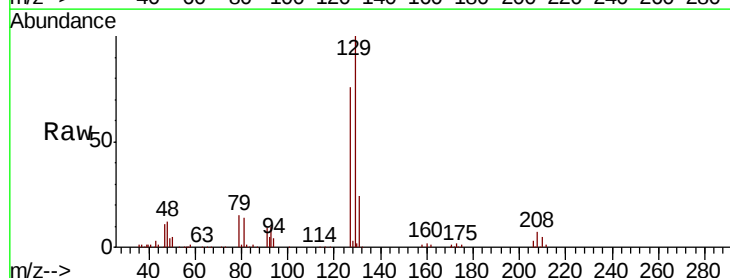


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

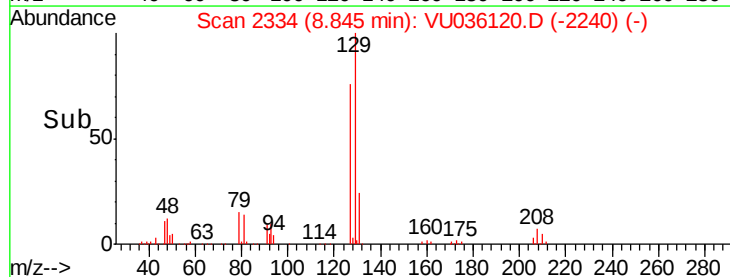
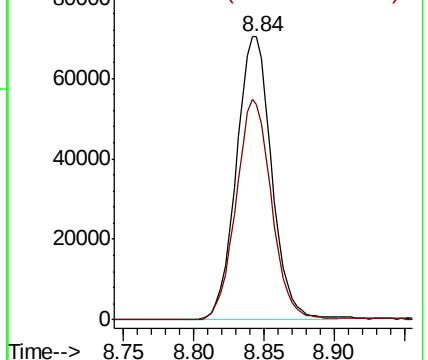


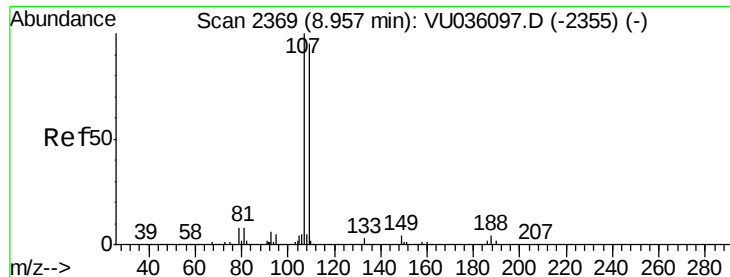
#49
Dibromochloromethane
Concen: 5.294 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU036120.D
Acq: 11 Dec 2019 07:03

Tgt Ion: 129 Resp: 123621
Ion Ratio Lower Upper
129 100
127 76.1 52.5 97.5



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

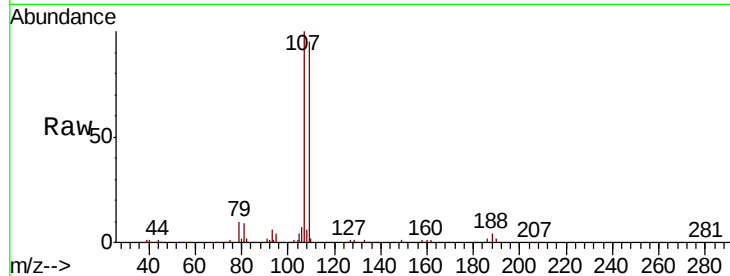




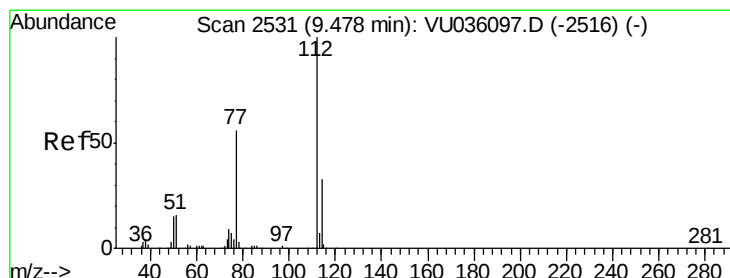
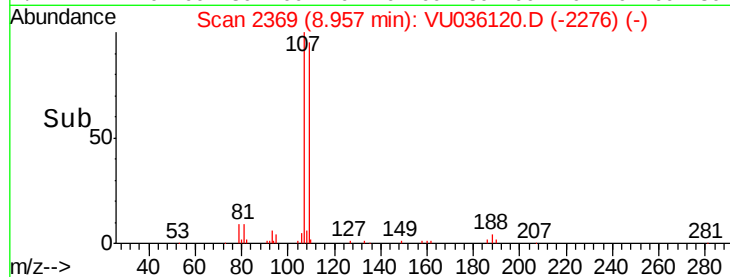
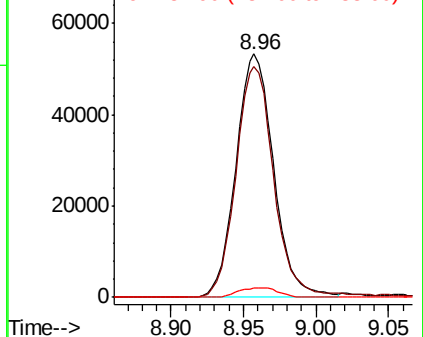
#50
1,2-Dibromoethane
Concen: 5.669 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU036120.D
Acq: 11 Dec 2019 07:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 96441
Ion Ratio Lower Upper
107 100
109 94.9 64.3 119.3
188 3.6 3.6 5.4

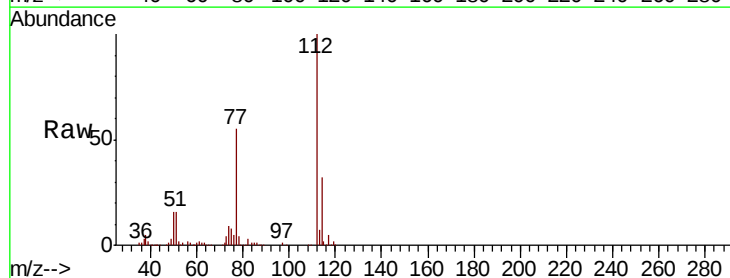


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

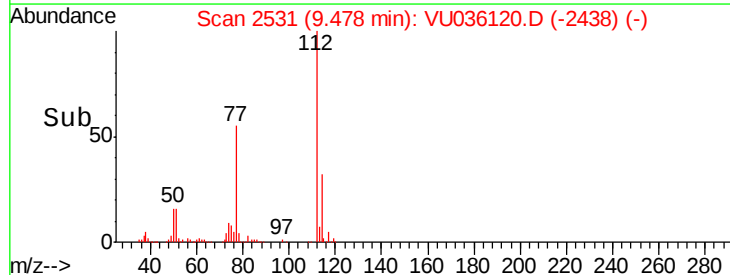
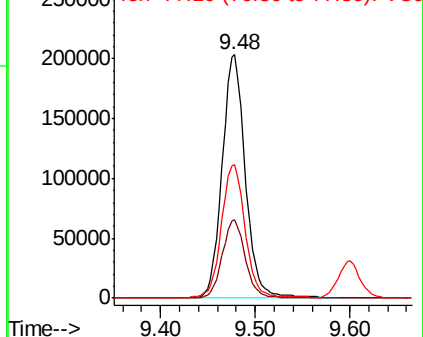


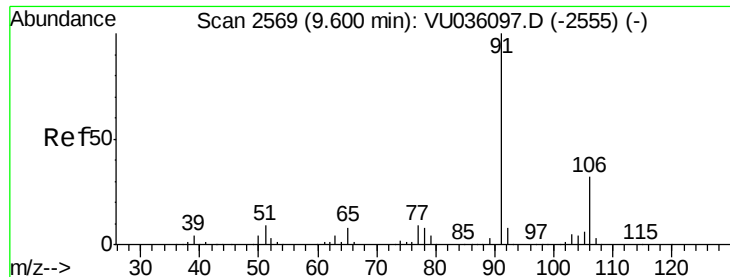
#51
Chlorobenzene
Concen: 5.215 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036120.D
Acq: 11 Dec 2019 07:03

Tgt Ion:112 Resp: 347199
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 54.9 43.8 65.8



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: 5.172 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

Instrument :

MSVOA_U

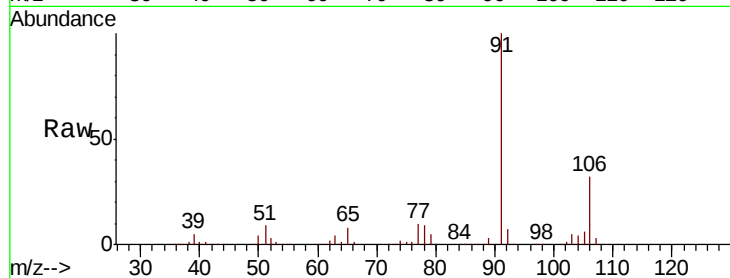
ClientSampleId :

Tot Ion: 91 Resp: 517702

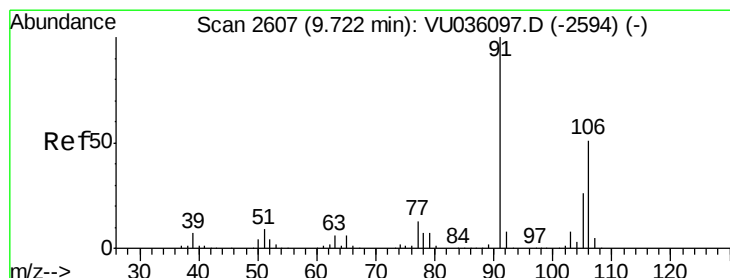
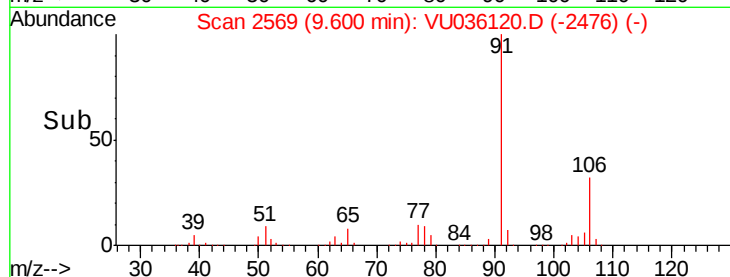
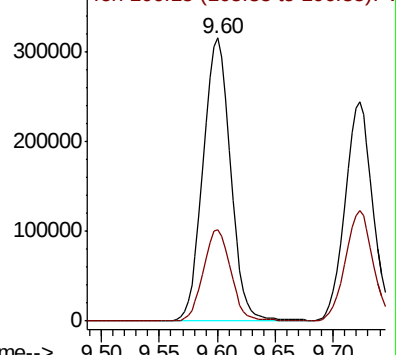
Ion Ratio Lower Upper

91 100

106 32.4 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VU036120.D (-2555) (-)



#53

m,p-Xylene

Concen: 5.166 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036120.D

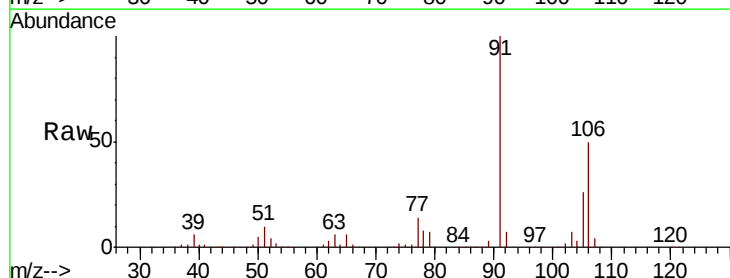
Acq: 11 Dec 2019 07:03

Tgt Ion: 106 Resp: 205870

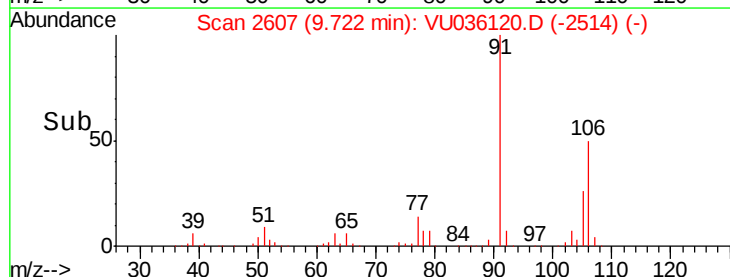
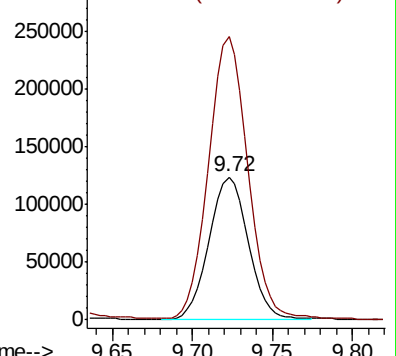
Ion Ratio Lower Upper

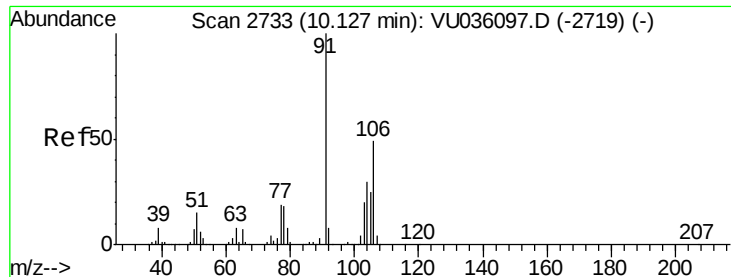
106 100

91 198.4 136.9 254.3



Abundance Ion 106.15 (105.85 to 106.85): VU036120.D (-2594) (-)





#54

o-Xylene

Concen: 5.172 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

Instrument :

MSVOA_U

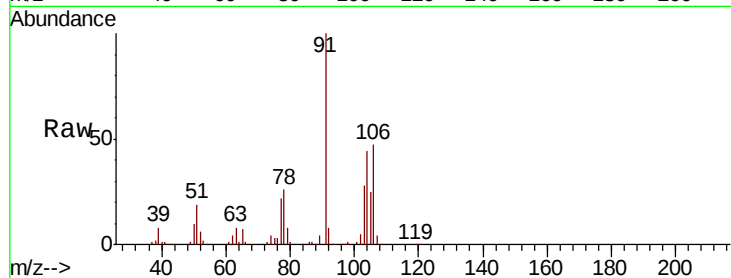
ClientSampled :

Tot Ion:106 Resp: 193577

Ion Ratio Lower Upper

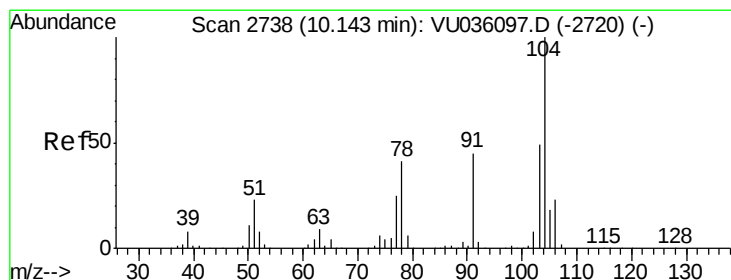
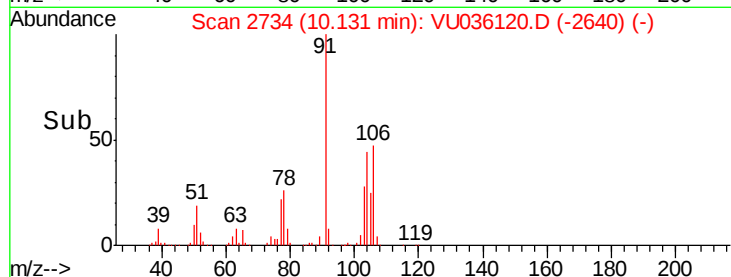
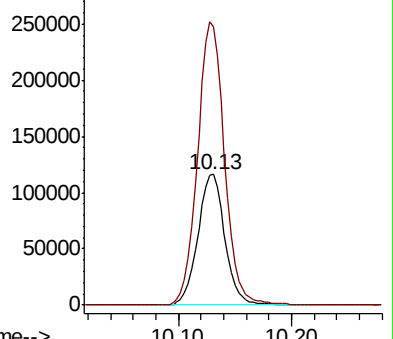
106 100

91 213.6 140.6 261.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.382 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. 0.00 min

Lab File: VU036120.D

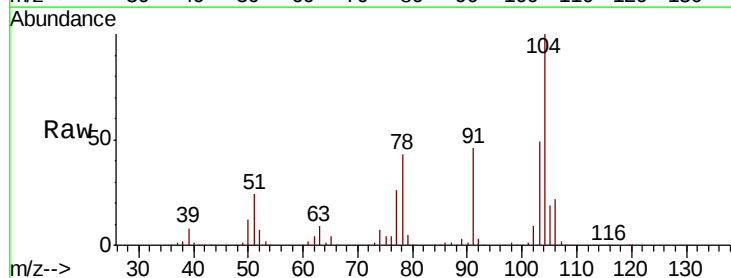
Acq: 11 Dec 2019 07:03

Tgt Ion:104 Resp: 345407

Ion Ratio Lower Upper

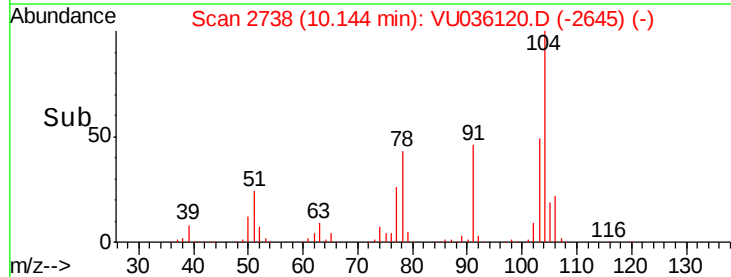
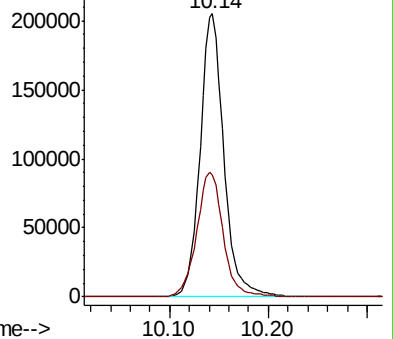
104 100

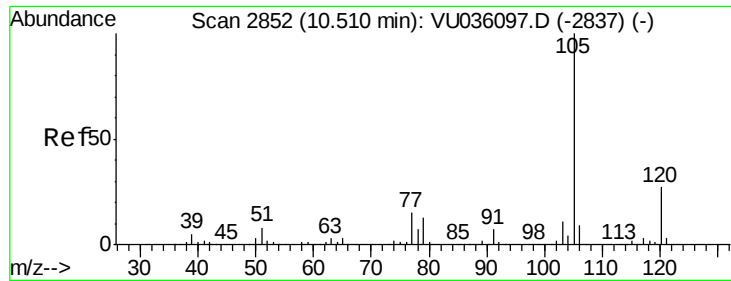
78 43.3 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.133 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

Instrument :

MSVOA_U

ClientSampleId :

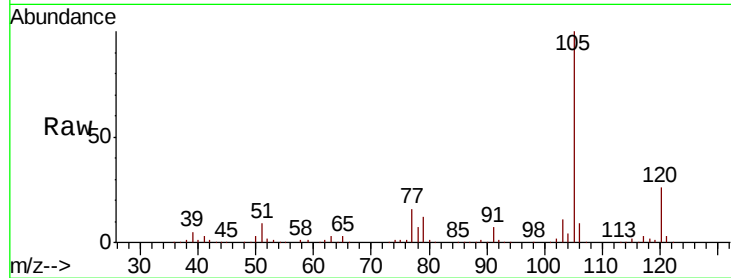
Tot Ion:105 Resp: 506852

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.2

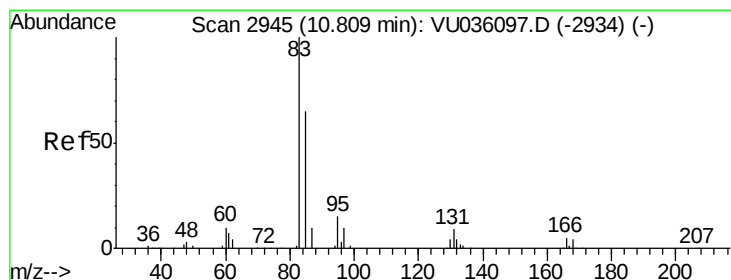
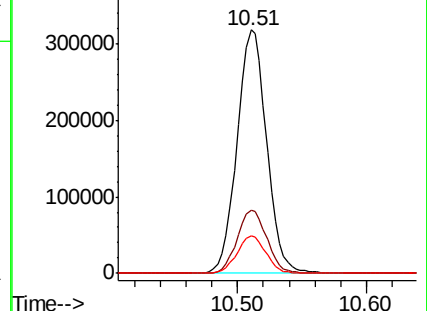
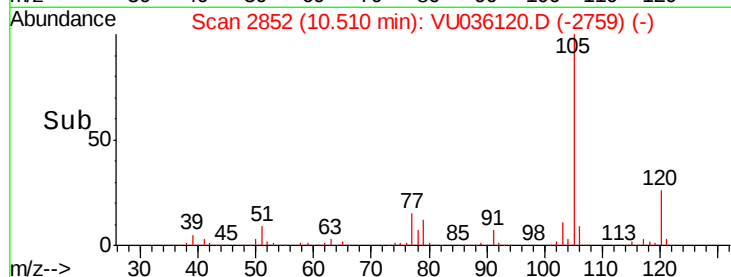
77 15.2 12.3 18.5



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: 5.331 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

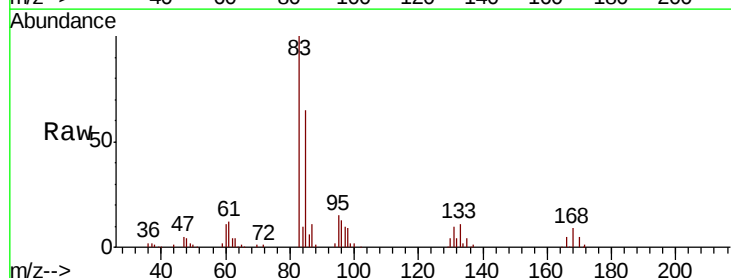
Tgt Ion: 83 Resp: 123991

Ion Ratio Lower Upper

83 100

85 65.2 45.4 84.2

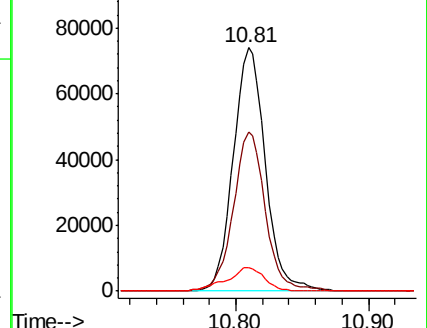
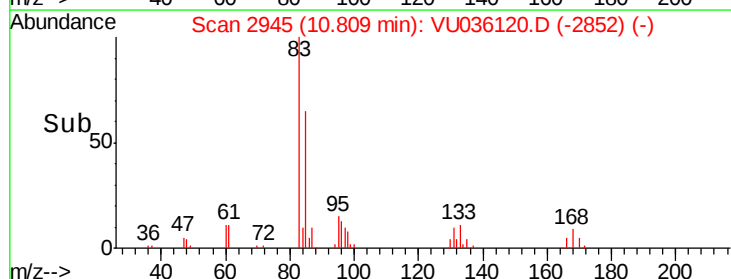
131 9.8 9.0 13.4

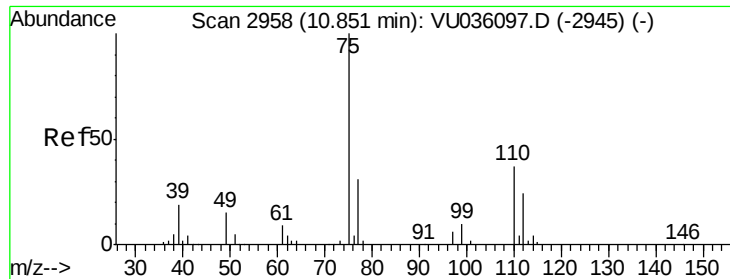


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.990 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

Instrument :

MSVOA_U

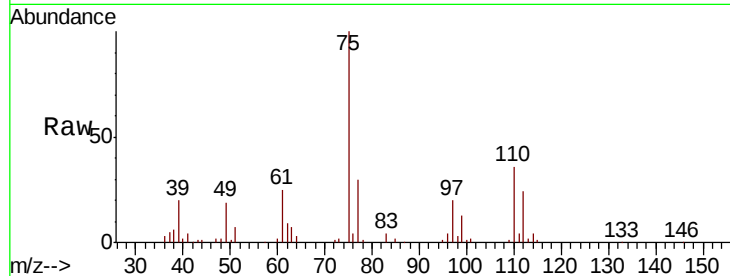
ClientSampleId :

Tot Ion: 75 Resp: 95668

Ion Ratio Lower Upper

75 100

77 31.8 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VU036097.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU036097.D (-2945) (-)

10.85

60000

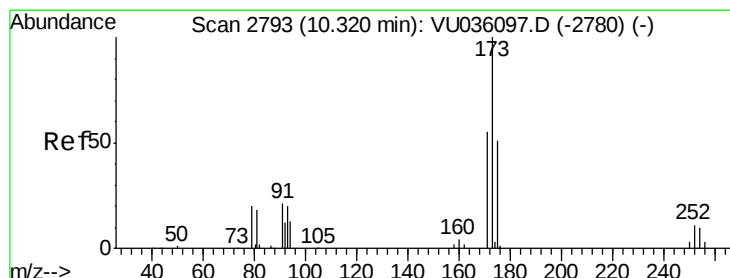
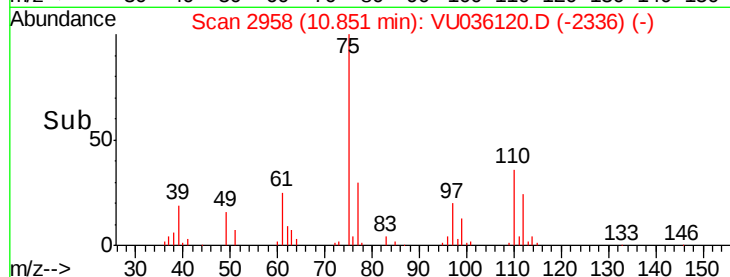
40000

20000

0

10.80 10.90

Time-->



#61

Bromoform

Concen: 4.471 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

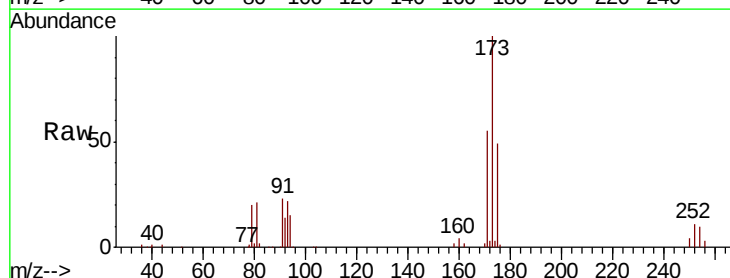
Tgt Ion: 173 Resp: 75937

Ion Ratio Lower Upper

173 100

175 48.8 39.4 59.0

254 10.0 8.1 12.1



Abundance Ion 172.90 (172.60 to 173.60): VU036097.D (-2780) (-)

Ion 174.90 (174.60 to 175.60): VU036097.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU036097.D (-2780) (-)

10.32

60000

50000

40000

30000

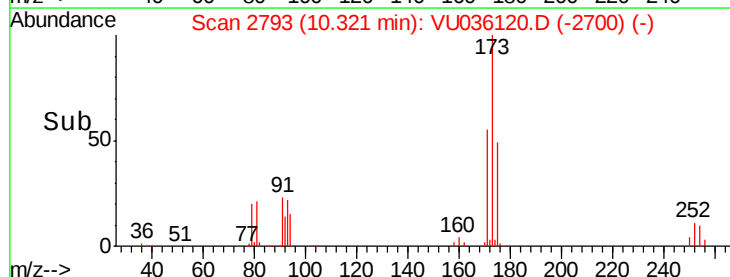
20000

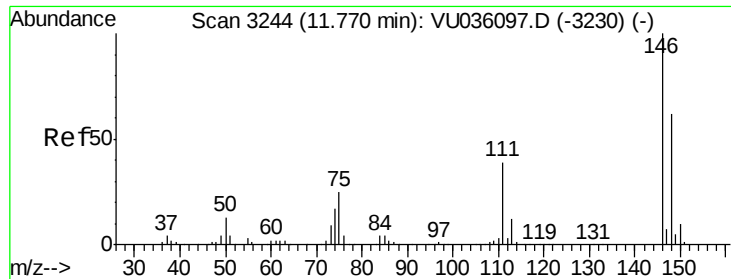
10000

0

10.30 10.40

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.862 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

Instrument :

MSVOA_U

ClientSampled :

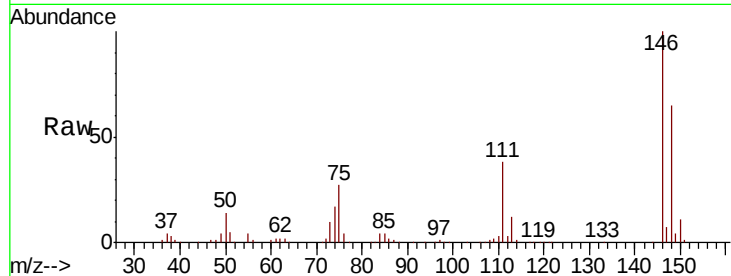
Tot Ion:146 Resp: 271410

Ion Ratio Lower Upper

146 100

111 38.2 26.0 48.2

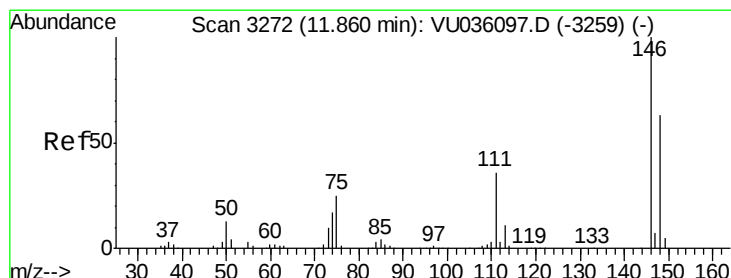
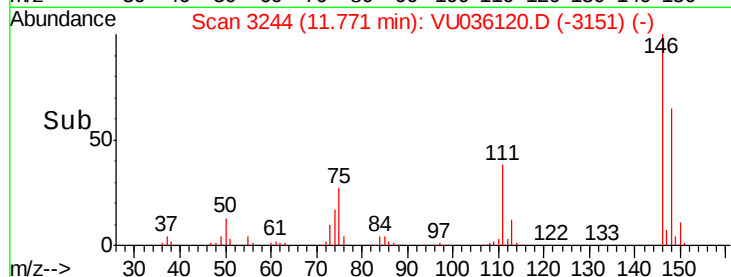
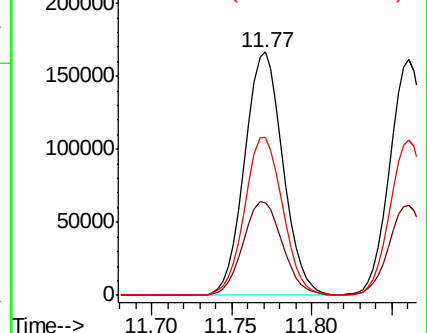
148 64.6 43.7 81.1



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: 4.870 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

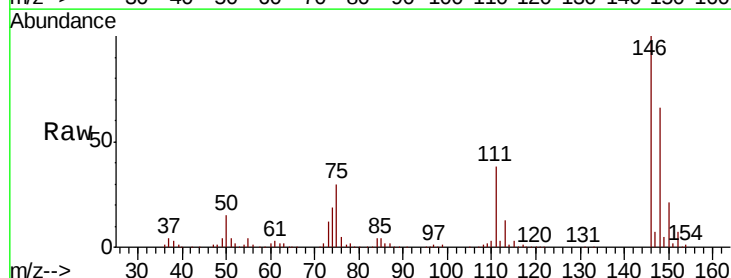
Tgt Ion:146 Resp: 267869

Ion Ratio Lower Upper

146 100

111 38.3 26.2 48.6

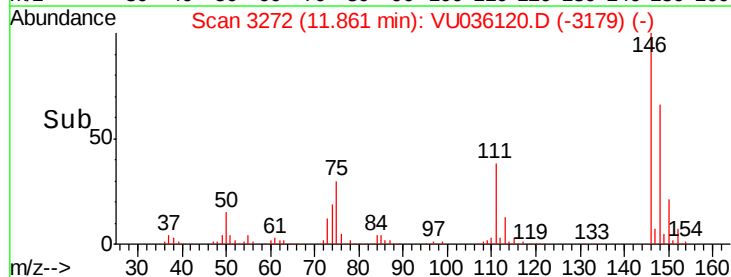
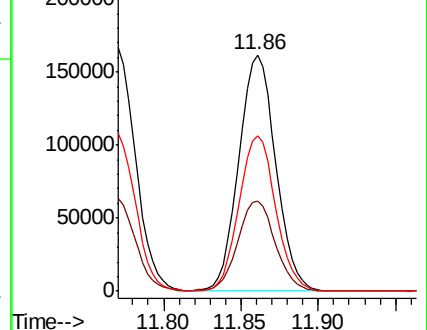
148 65.7 44.9 83.5

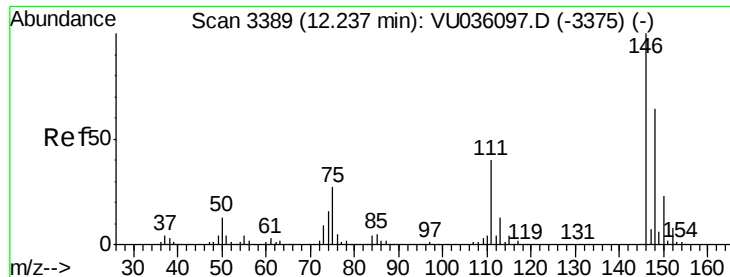


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

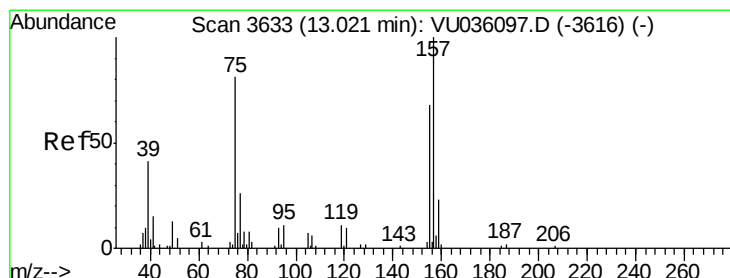
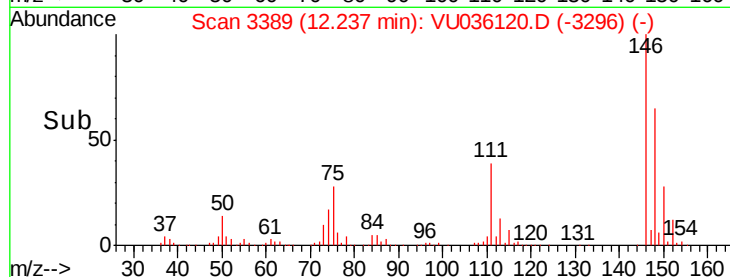
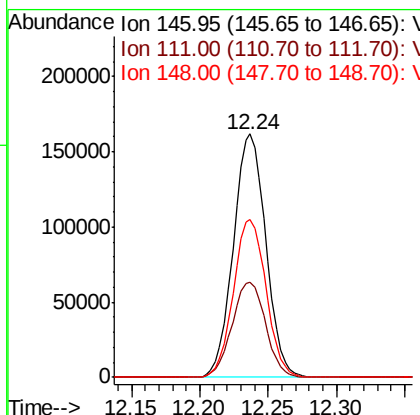
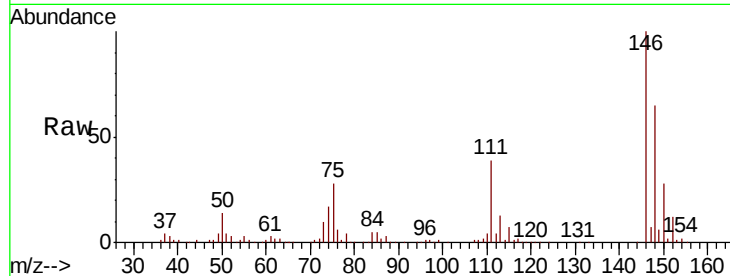




#65
 1,2-Dichlorobenzene
 Concen: 4.837 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU036120.D
 Acq: 11 Dec 2019 07:03

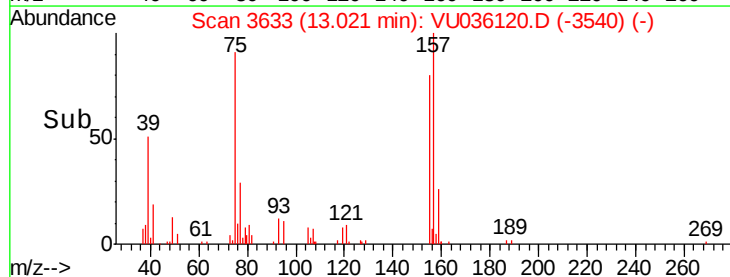
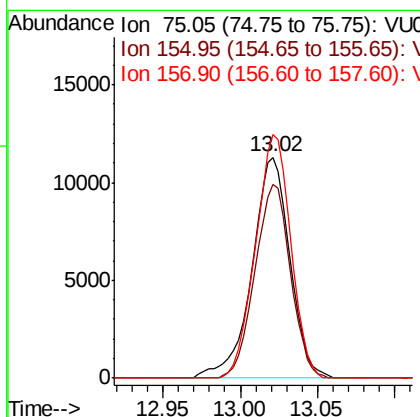
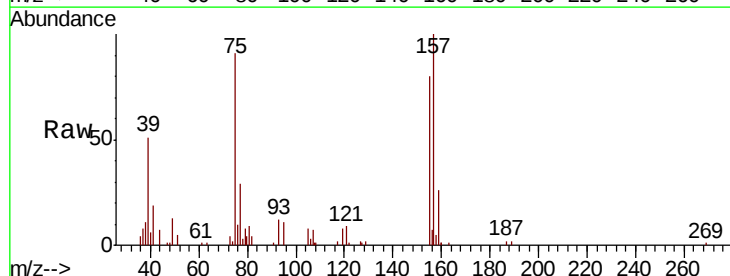
Instrument :
 MSVOA_U
 ClientSampleId :

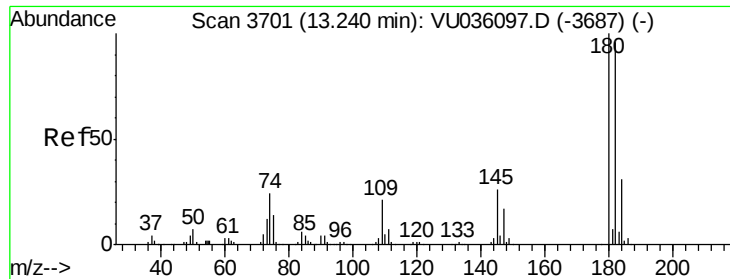
Tot Ion:146 Resp: 266841
 Ion Ratio Lower Upper
 146 100
 111 39.0 31.3 46.9
 148 64.8 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.563 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU036120.D
 Acq: 11 Dec 2019 07:03

Tgt Ion: 75 Resp: 19277
 Ion Ratio Lower Upper
 75 100
 155 87.8 70.0 105.0
 157 110.2 90.5 135.7

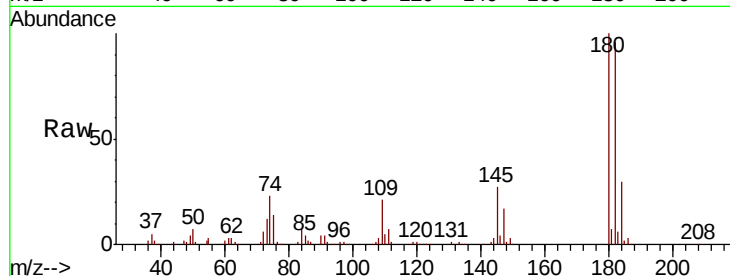




#67
 1,3,5-Trichlorobenzene
 Concen: 4.811 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036120.D
 Acq: 11 Dec 2019 07:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.2	112.8
184	30.4	24.2	36.2
145	27.6	21.7	32.5



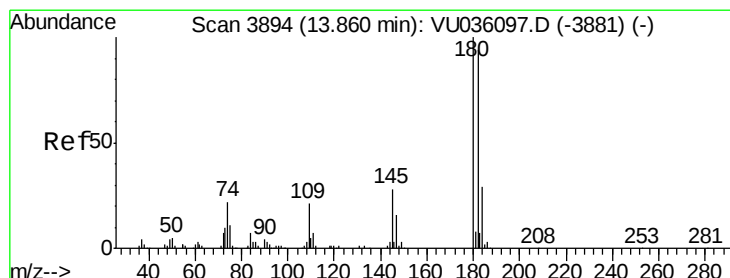
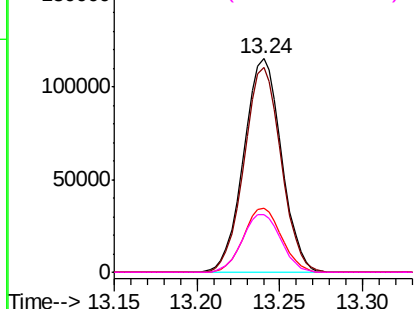
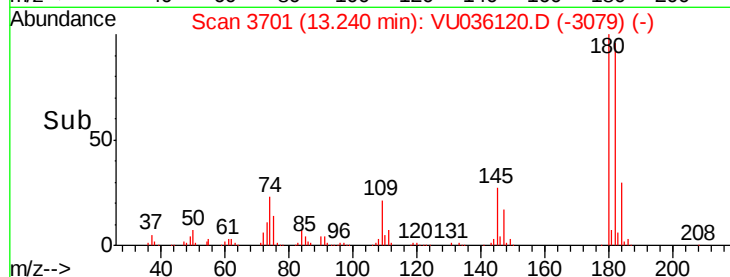
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

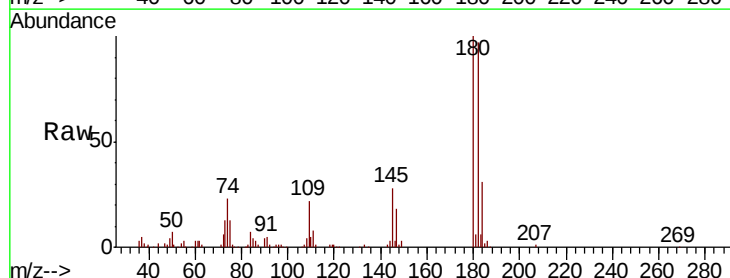
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.670 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036120.D
 Acq: 11 Dec 2019 07:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	74.3	111.5
145	28.8	22.1	33.1

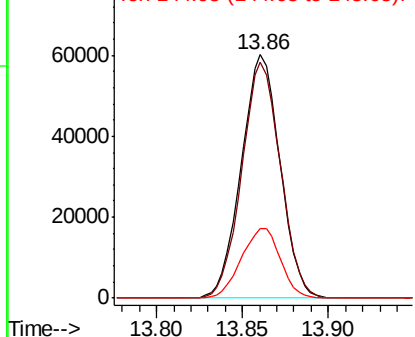
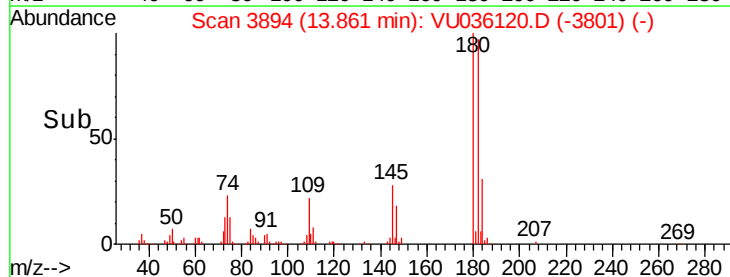


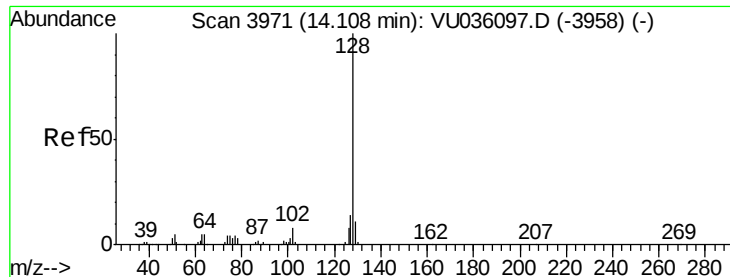
Abundance

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: 4.453 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

Instrument :

MSVOA_U

ClientSampleId :

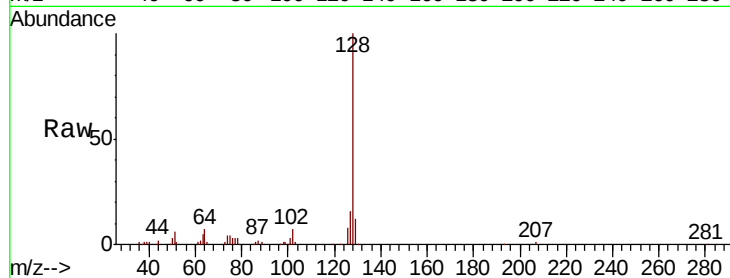
Tot Ion:128 Resp: 86065

Ion Ratio Lower Upper

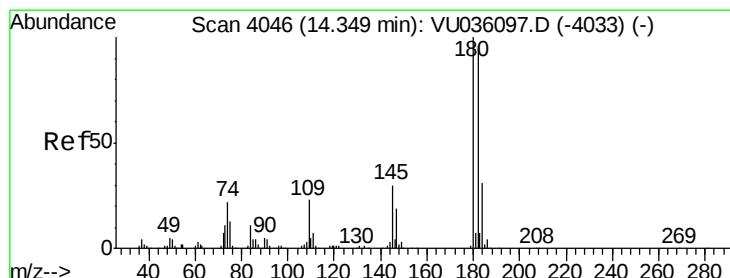
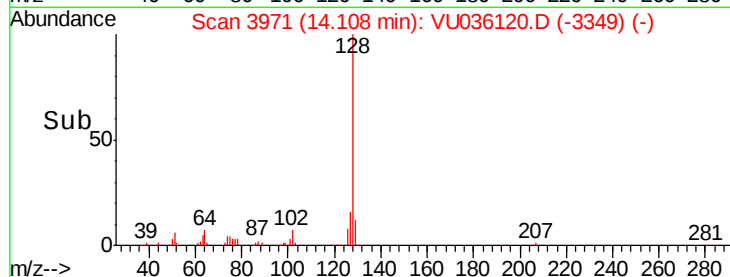
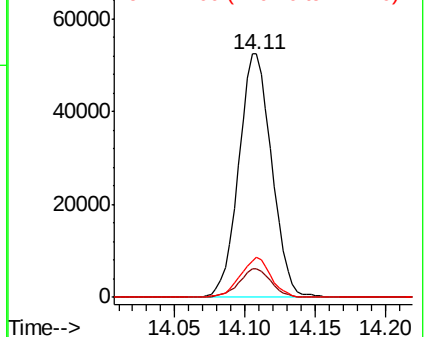
128 100

129 11.2 9.2 13.8

127 15.1 11.1 16.7



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: 4.835 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036120.D

Acq: 11 Dec 2019 07:03

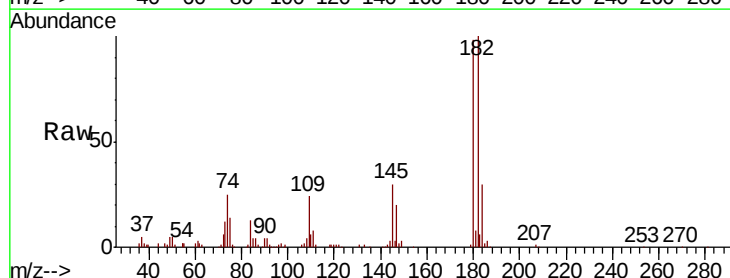
Tgt Ion:180 Resp: 93110

Ion Ratio Lower Upper

180 100

182 97.6 76.9 115.3

145 29.8 23.5 35.3



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

