

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012920\
 Data File : VU036580.D
 Acq On : 28 Jan 2020 18:23
 Operator : JC/MD
 Sample : VSTD20033
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 29 04:17:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 29 04:13:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	287608	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	276835	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	142731	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	428949	224.16	ug/L	0.00
7) Chloroethane-d5	1.92	69	354369	213.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	683715	193.00	ug/L	0.00
21) 2-Butanone-d5	4.67	46	512563	331.74	ug/L	0.00
24) Chloroform-d	5.11	84	700133	190.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	419876	174.10	ug/L	0.00
32) Benzene-d6	5.77	84	1503892	205.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	468526	198.76	ug/L	0.00
41) Toluene-d8	7.93	98	1467894	211.67	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	238605	191.38	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	473580	398.66	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	709966	201.26	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	572497	202.24	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.40	85	411765	161.469	ug/L	100
3) Chloromethane	1.54	50	433288	183.331	ug/L	99
5) Vinyl chloride	1.62	62	476723	199.663	ug/L	99
6) Bromomethane	1.86	94	285295	198.064	ug/L	98
8) Chloroethane	1.94	64	273375	191.981	ug/L	99
9) Trichlorofluoromethane	2.16	101	548662	173.741	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	334230	194.122	ug/L	100
12) 1,1-Dichloroethene	2.60	96	344472	202.201	ug/L	94
13) Acetone	2.66	43	416482	253.235	ug/L	99
14) Carbon disulfide	2.82	76	1041868	191.237	ug/L	100
15) Methyl Acetate	2.98	43	362360	161.397	ug/L	99
16) Methylene chloride	3.08	84	395329	188.302	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	368966	196.839	ug/L	97
18) Methyl tert-butyl Ether	3.41	73	1141309	181.181	ug/L	99
19) 1,1-Dichloroethane	3.92	63	642933	184.742	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	417448	194.993	ug/L	99
22) 2-Butanone	4.76	43	556221	295.733	ug/L	100
23) Bromochloromethane	5.02	128	215531	205.061	ug/L	98
25) Chloroform	5.13	83	646744	174.951	ug/L	98
27) 1,2-Dichloroethane	5.84	62	477319	164.711	ug/L	99
29) Cyclohexane	5.43	56	581353	178.677	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	543619	170.976	ug/L	100
31) Carbon tetrachloride	5.57	117	474590	174.731	ug/L	99
33) Benzene	5.82	78	1522124	191.372	ug/L	100
34) Trichloroethene	6.58	95	396744	187.220	ug/L	99
35) Methylcyclohexane	6.80	83	654522	197.226	ug/L	99
37) 1,2-Dichloropropane	6.83	63	386079	183.349	ug/L	100
38) Bromodichloromethane	7.14	83	503265	177.235	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	664838	196.259	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	1021773	313.768	ug/L	99

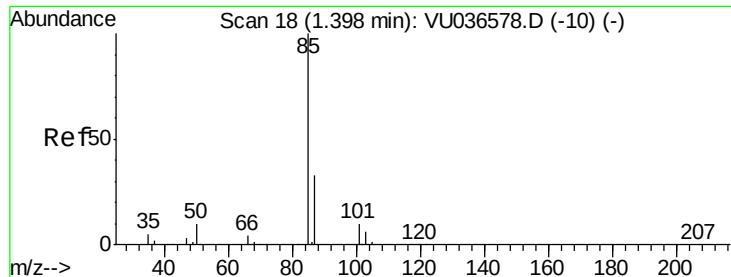
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012920\
 Data File : VU036580.D
 Acq On : 28 Jan 2020 18:23
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Quant Time: Jan 29 04:17:25 2020
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 Quant Title : VOC Analysis
 QLast Update : Wed Jan 29 04:13:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	1686315	195.047	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	586995	189.275	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	387138	190.960	ug/L	99
46) Tetrachloroethene	8.58	164	323259	217.860	ug/L	98
48) 2-Hexanone	8.72	43	787278	305.790	ug/L	95
49) Dibromochloromethane	8.84	129	434392	194.944	ug/L	100
50) 1,2-Dibromoethane	8.95	107	429164	188.551	ug/L	99
51) Chlorobenzene	9.48	112	1111996	203.221	ug/L	100
52) Ethylbenzene	9.60	91	1869426	194.704	ug/L	100
53) m,p-Xylene	9.72	106	739587	204.081	ug/L	99
54) o-xylene	10.13	106	727524	200.541	ug/L	100
55) Styrene	10.14	104	1236310	210.574	ug/L	99
56) Isopropylbenzene	10.51	105	1865723	201.792	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	686305	195.718	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	529927	183.901	ug/L	99
61) Bromoform	10.32	173	348902	180.300	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	892229	196.248	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	881205	194.199	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	869776	193.523	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	151567	160.614	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	640531	225.869	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	548770	261.804	ug/L	98
69) Naphthalene	14.11	128	1751534	254.078	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	533496	244.627	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 161.469 ug/L

RT: 1.40 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

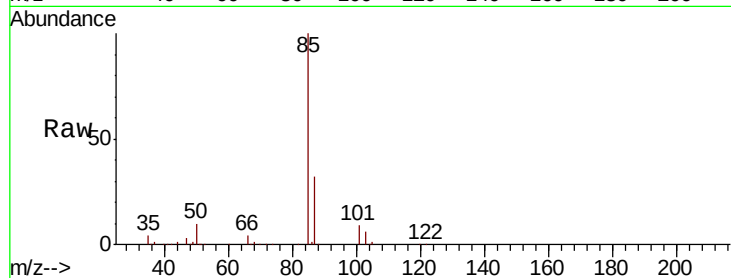
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 411765

Ion Ratio Lower Upper

85 100

87 32.2 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU036578.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036578.D (-10) (-)

1.40

400000

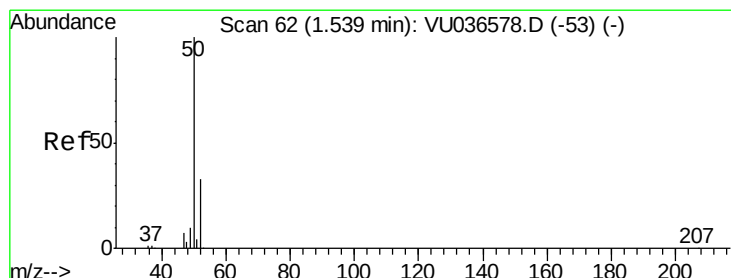
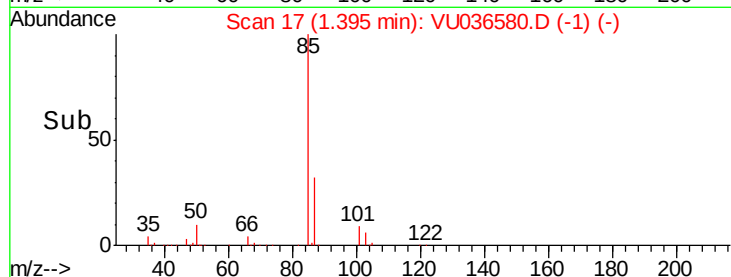
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 183.331 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036580.D

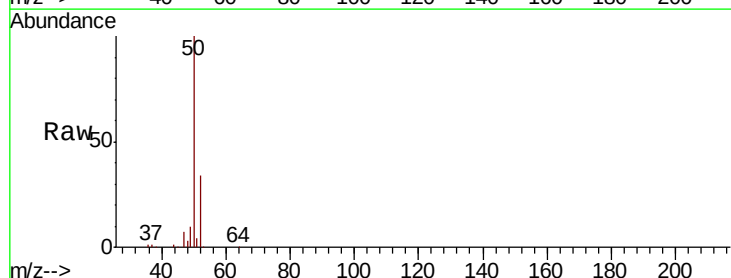
Acq: 28 Jan 2020 18:23

Tgt Ion: 50 Resp: 433288

Ion Ratio Lower Upper

50 100

52 33.6 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU036578.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036578.D (-53) (-)

1.54

400000

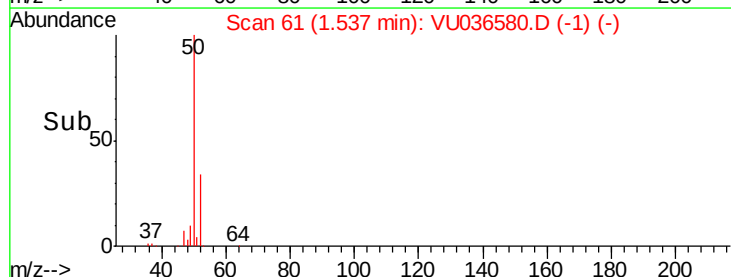
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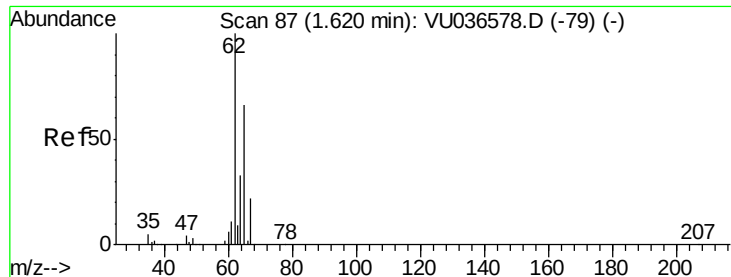
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 199.663 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

Instrument :

MSVOA_U

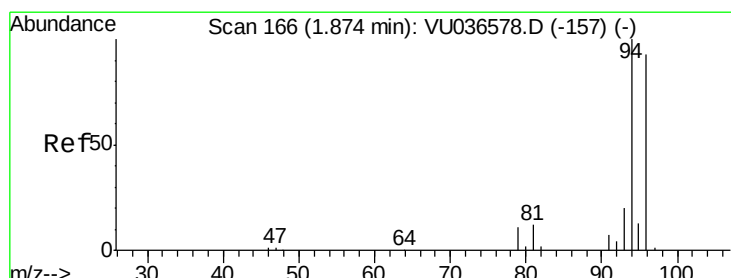
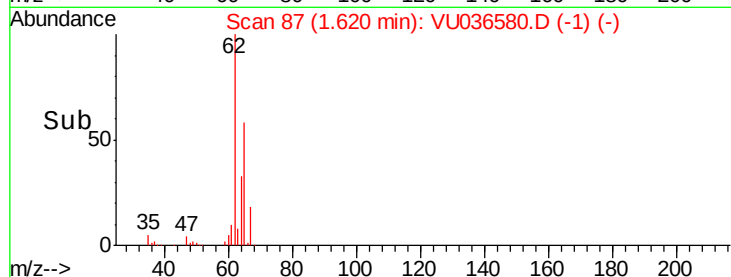
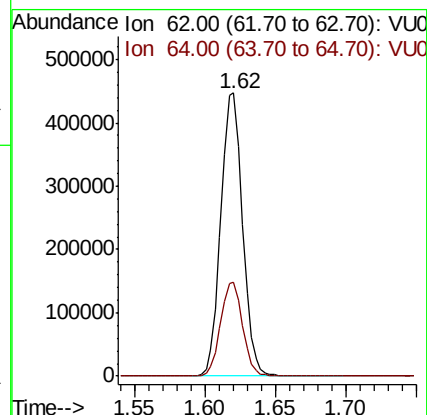
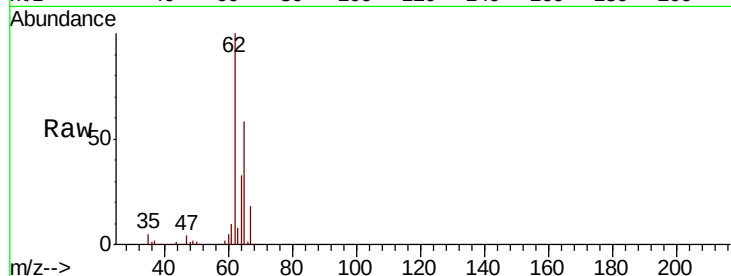
ClientSampled :

Tot Ion: 62 Resp: 476723

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



#6

Bromomethane

Concen: 198.064 ug/L

RT: 1.86 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU036580.D

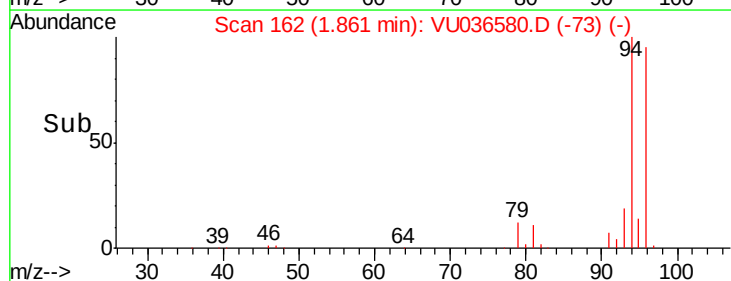
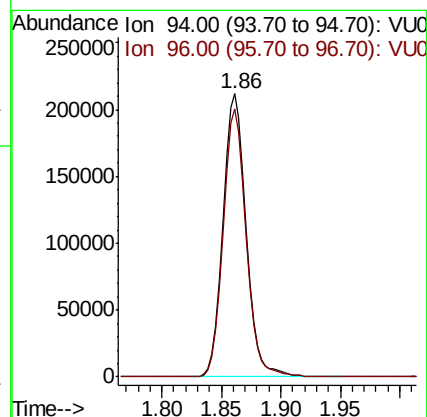
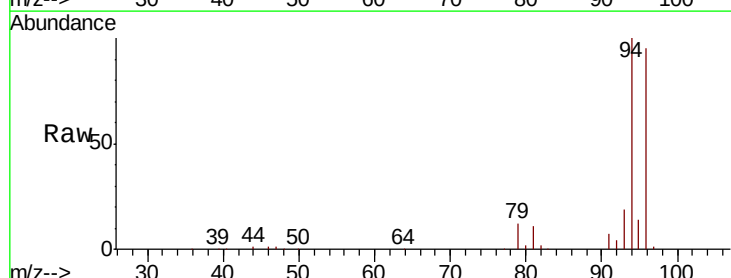
Acq: 28 Jan 2020 18:23

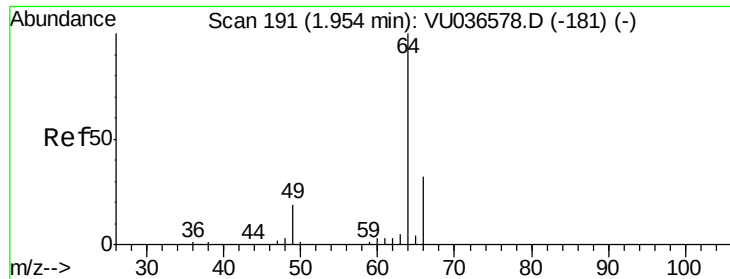
Tgt Ion: 94 Resp: 285295

Ion Ratio Lower Upper

94 100

96 94.6 64.8 120.4

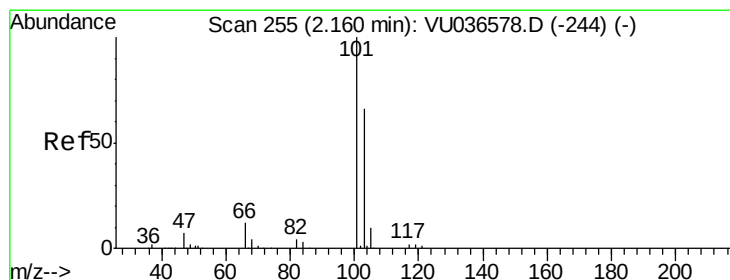
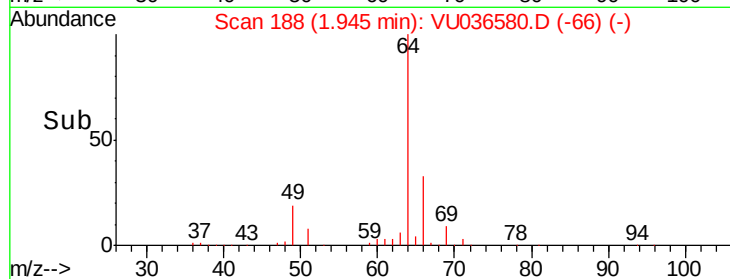
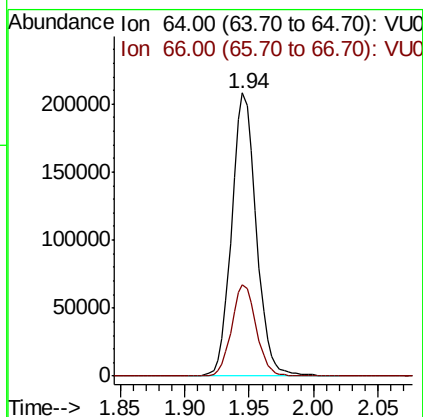
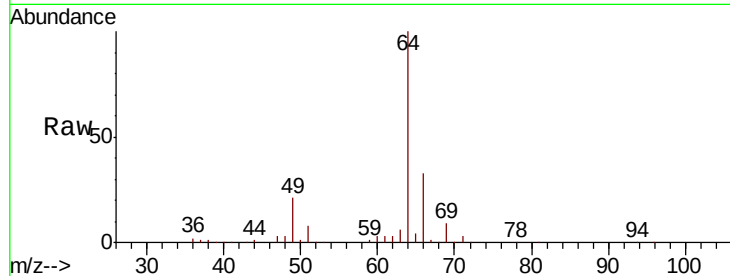




#8
Chloroethane
Concen: 191.981 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.01 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

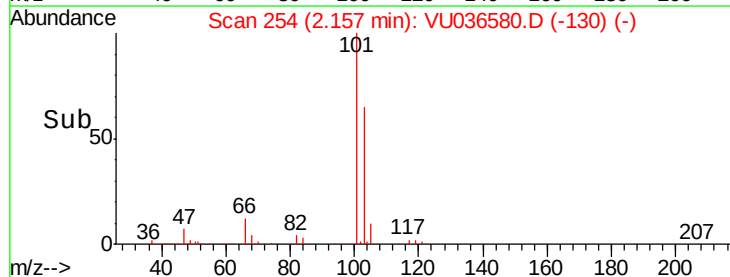
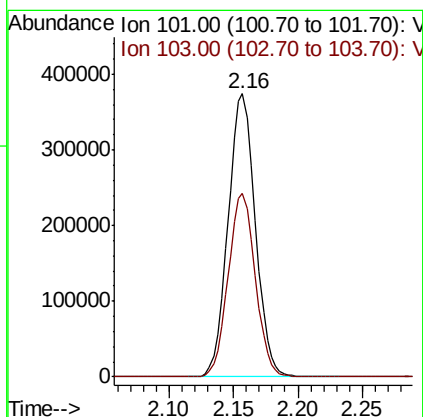
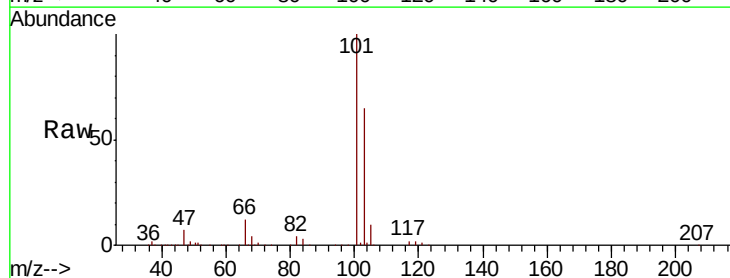
Instrument :
MSVOA_U
ClientSampleId :

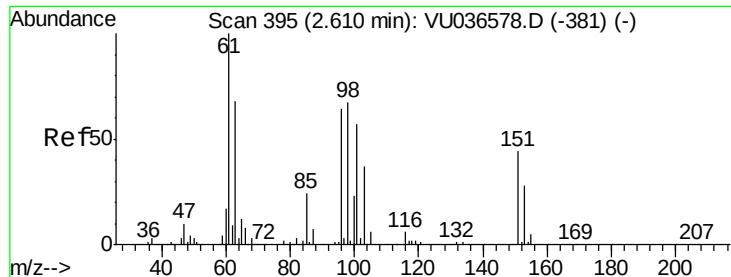
Tot Ion: 64 Resp: 273375
Ion Ratio Lower Upper
64 100
66 32.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 173.741 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

Tgt Ion:101 Resp: 548662
Ion Ratio Lower Upper
101 100
103 64.6 52.4 78.6





#10

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

Concen: 194.122 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

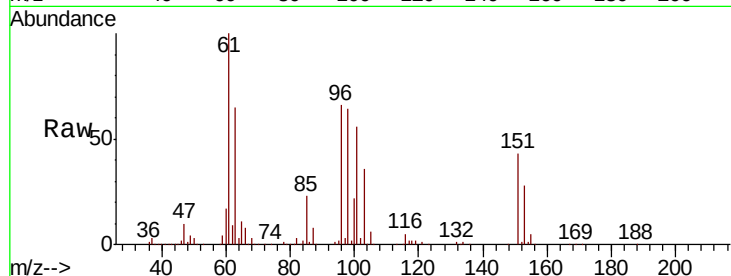
Tot Ion:101 Resp: 334230

Ion Ratio Lower Upper

101 100

85 41.0 32.6 49.0

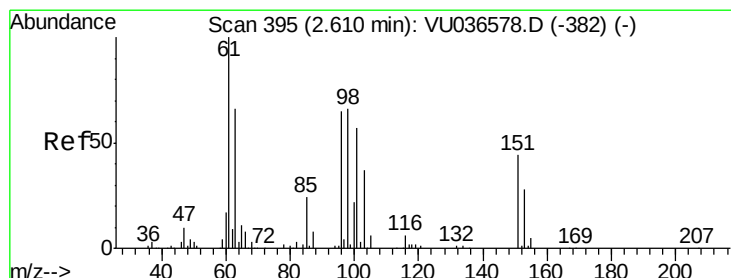
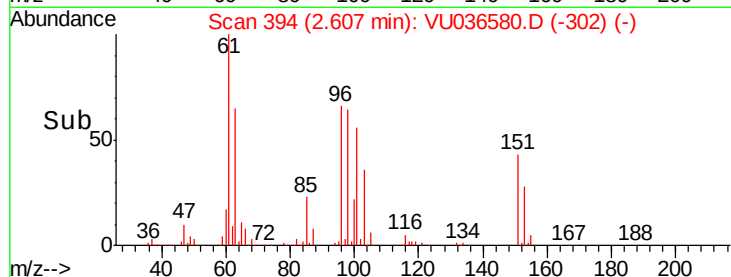
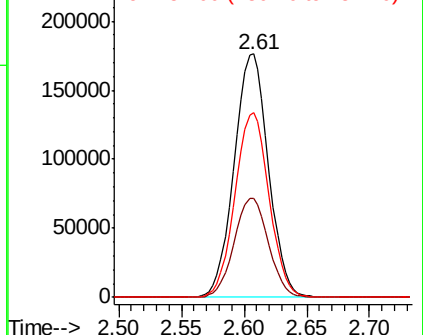
151 75.8 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 202.201 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

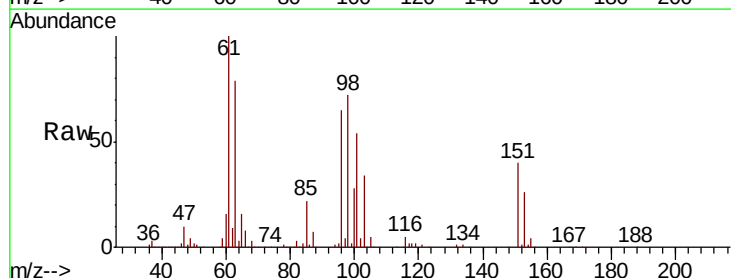
Tgt Ion: 96 Resp: 344472

Ion Ratio Lower Upper

96 100

61 154.8 108.6 201.8

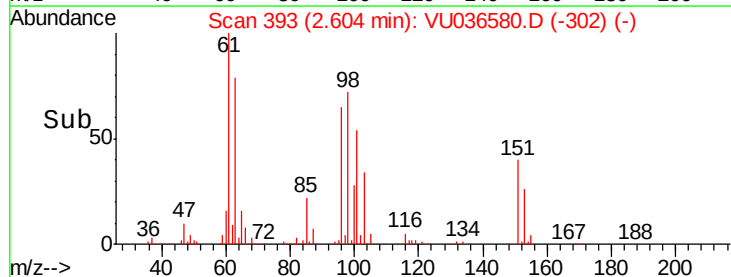
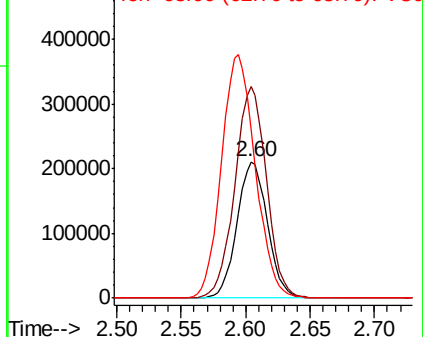
63 122.8 75.0 139.2

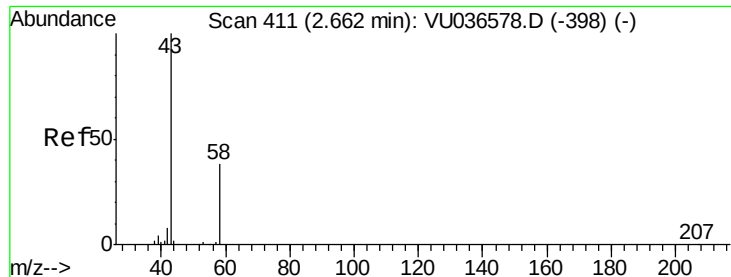


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 253.235 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

Instrument :

MSVOA_U

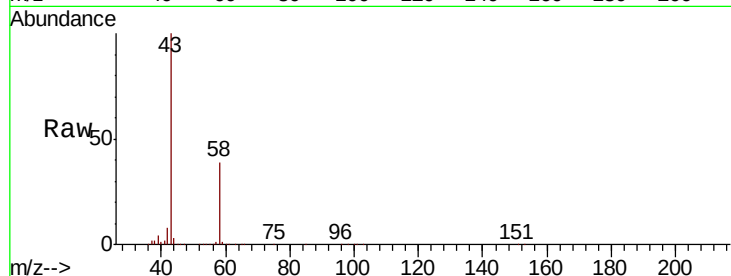
ClientSampled :

Tot Ion: 43 Resp: 416482

Ion Ratio Lower Upper

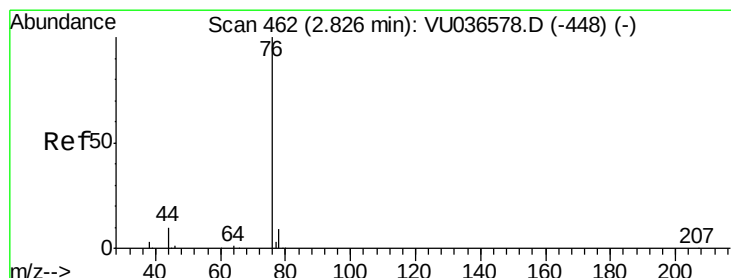
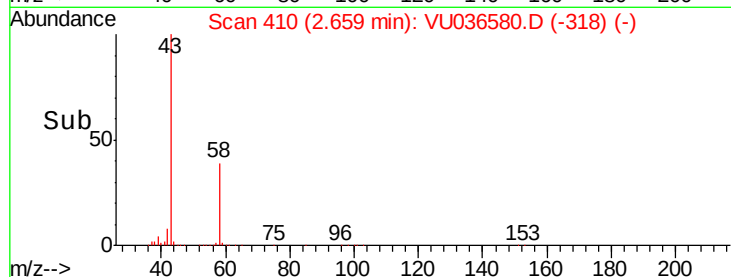
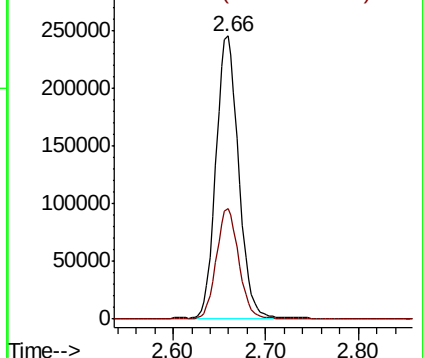
43 100

58 38.5 0.0 75.4



Abundance Ion 43.00 (42.70 to 43.70): VU036578.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036578.D (-398) (-)



#14

Carbon disulfide

Concen: 191.237 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036580.D

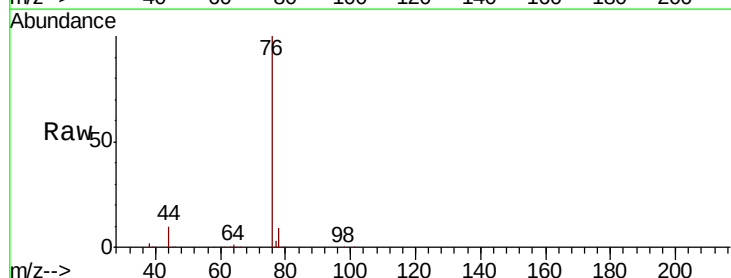
Acq: 28 Jan 2020 18:23

Tgt Ion: 76 Resp: 1041868

Ion Ratio Lower Upper

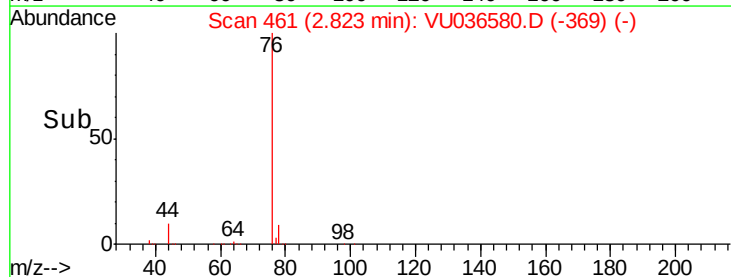
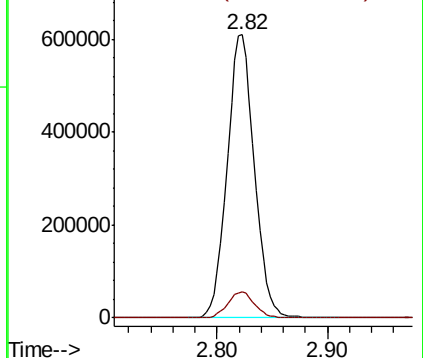
76 100

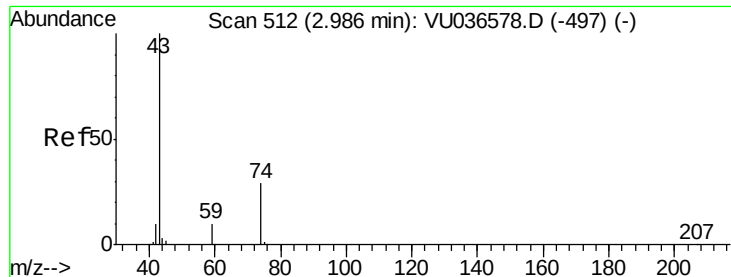
78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU036578.D (-448) (-)

Ion 78.00 (77.70 to 78.70): VU036578.D (-448) (-)

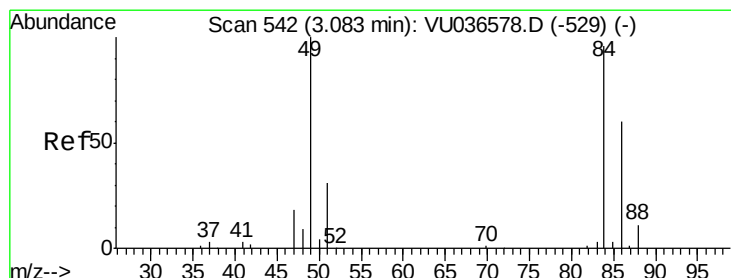
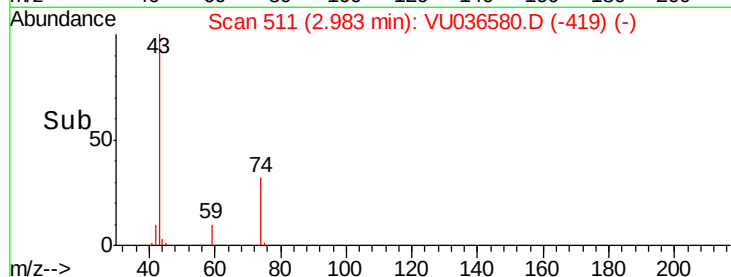
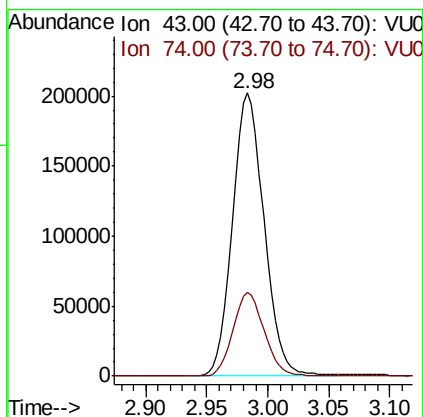
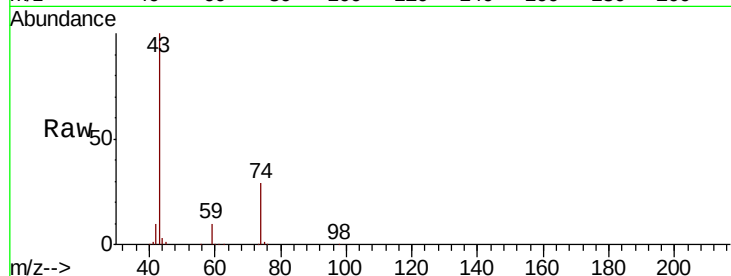




#15
Methvl Acetate
Concen: 161.397 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

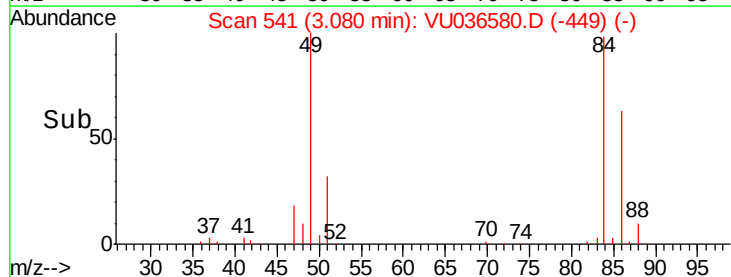
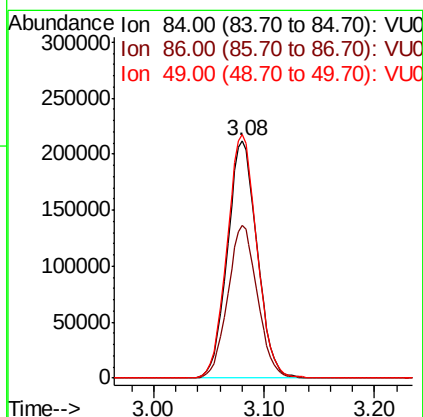
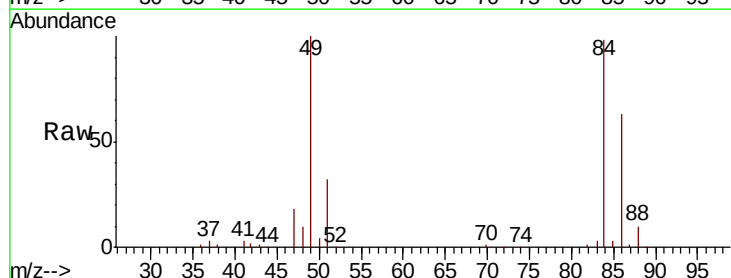
Instrument :
MSVOA_U
ClientSampleId :

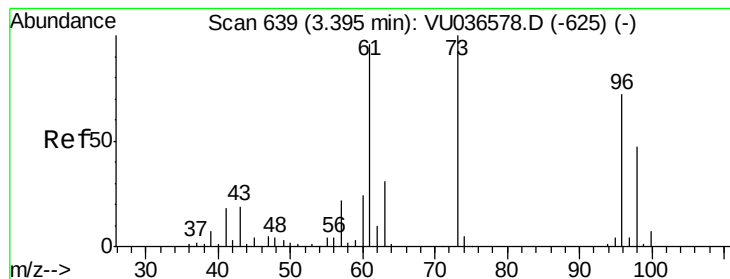
Tot Ion: 43 Resp: 362360
Ion Ratio Lower Upper
43 100
74 29.4 23.3 34.9



#16
Methylene chloride
Concen: 188.302 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

Tgt Ion: 84 Resp: 395329
Ion Ratio Lower Upper
84 100
86 64.4 44.1 81.9
49 102.4 73.3 136.1





#17

trans-1,2-Dichloroethene

Concen: 196.839 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampled :

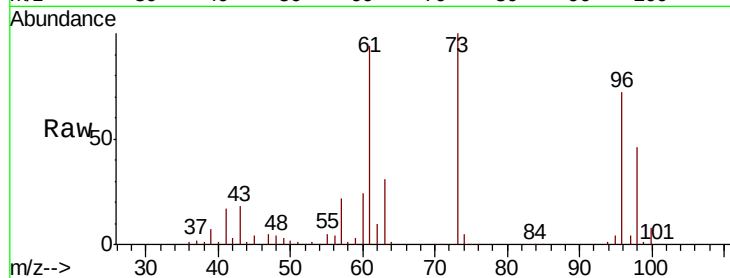
Tot Ion: 96 Resp: 368966

Ion Ratio Lower Upper

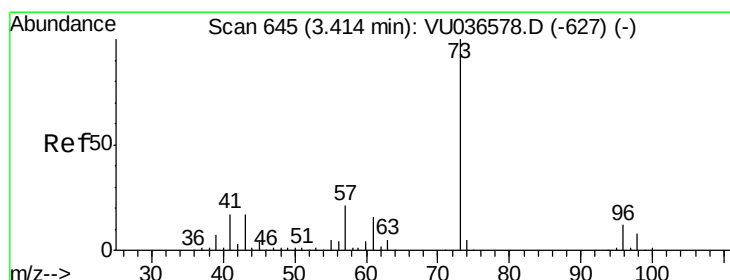
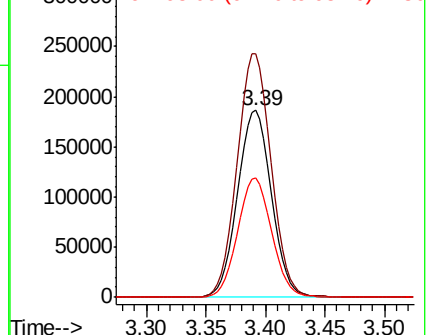
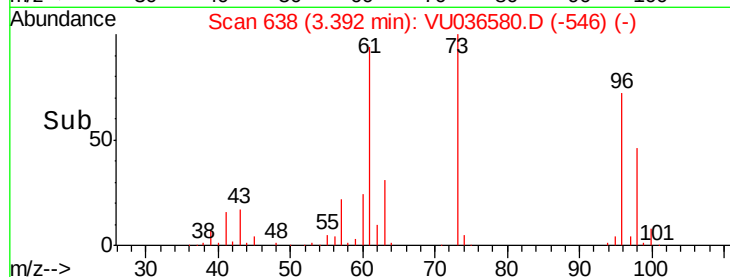
96 100

61 130.0 93.4 173.4

98 63.5 46.1 85.5



Abundance Ion 96.00 (95.70 to 96.70): VU036580.D (-546) (-)



#18

Methyl tert-butyl Ether

Concen: 181.181 ug/L

RT: 3.41 min Scan# 643

Delta R.T. -0.01 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

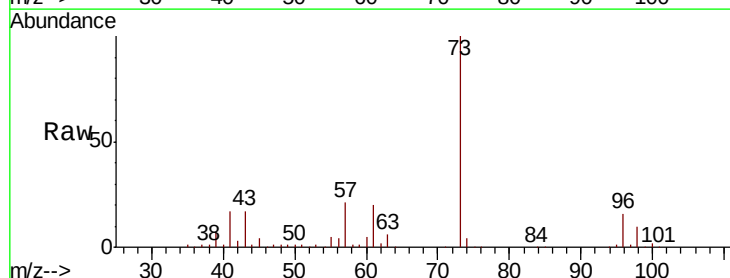
Tgt Ion: 73 Resp: 1141309

Ion Ratio Lower Upper

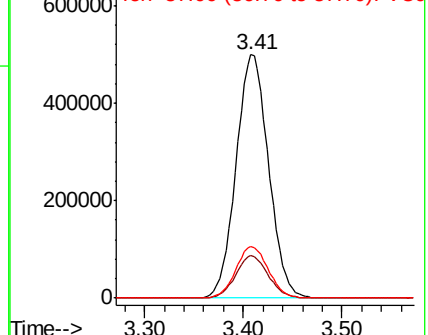
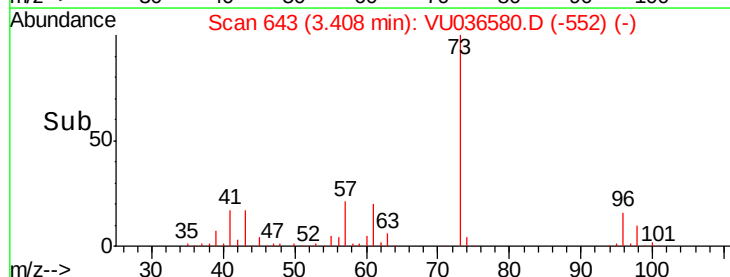
73 100

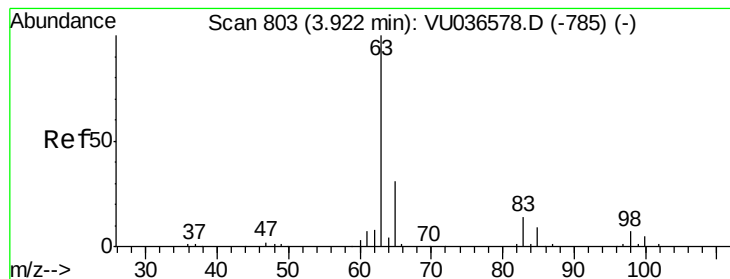
43 17.3 14.2 21.4

57 21.3 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VU036580.D (-552) (-)





#19

1,1-Dichloroethane

Concen: 184.742 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.01 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

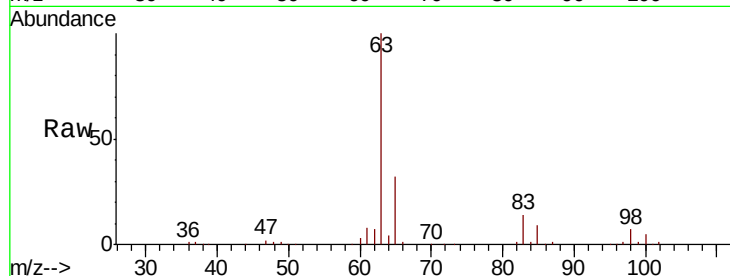
Tot Ion: 63 Resp: 642933

Ion Ratio Lower Upper

63 100

65 32.0 21.9 40.7

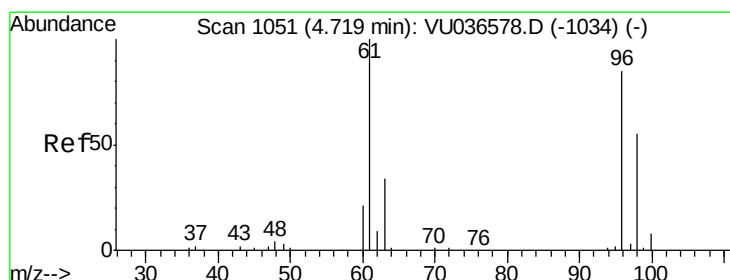
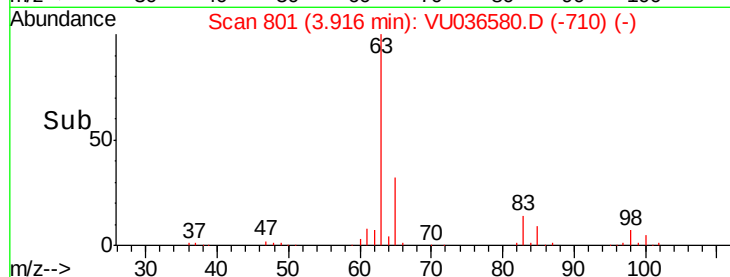
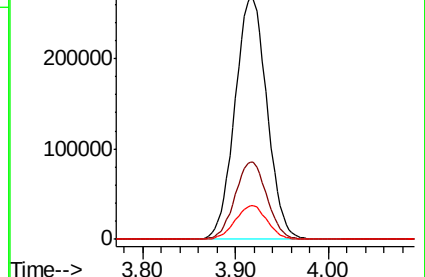
83 13.9 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VU036578.D (-785) (-)

Ion 65.00 (64.70 to 65.70): VU036578.D (-785) (-)

Ion 83.00 (82.70 to 83.70): VU036578.D (-785) (-)



#20

cis-1,2-Dichloroethene

Concen: 194.993 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

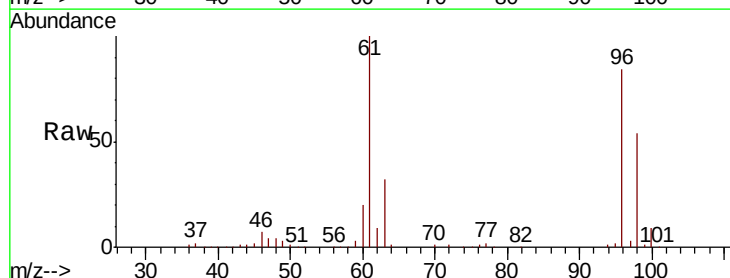
Tgt Ion: 96 Resp: 417448

Ion Ratio Lower Upper

96 100

61 118.6 82.2 152.6

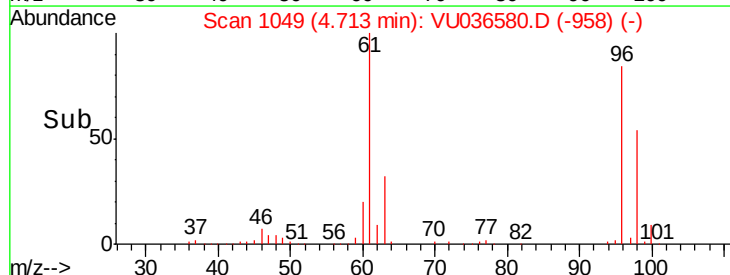
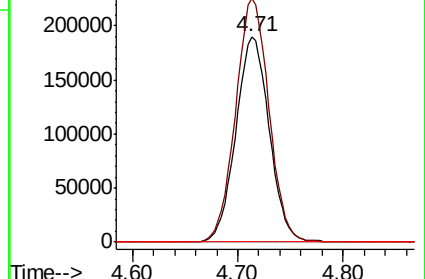
68 0.0 0.0 0.0

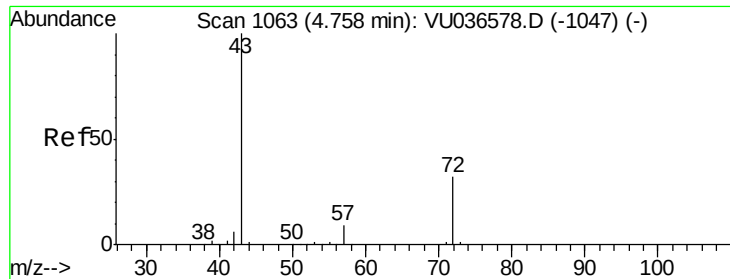


Abundance Ion 96.00 (95.70 to 96.70): VU036578.D (-1034) (-)

Ion 61.00 (60.70 to 61.70): VU036578.D (-1034) (-)

Ion 68.00 (67.70 to 68.70): VU036578.D (-1034) (-)





#22

2-Butanone

Concen: 295.733 ug/L

RT: 4.76 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

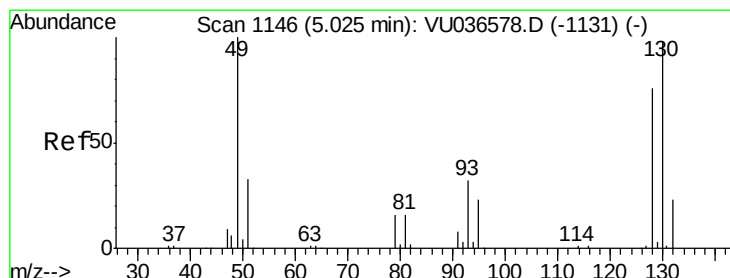
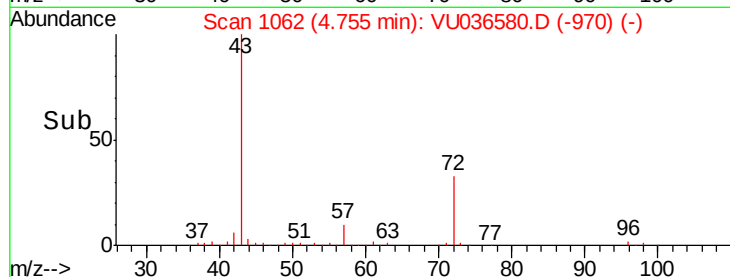
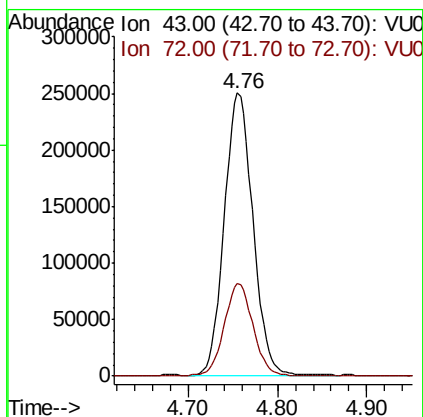
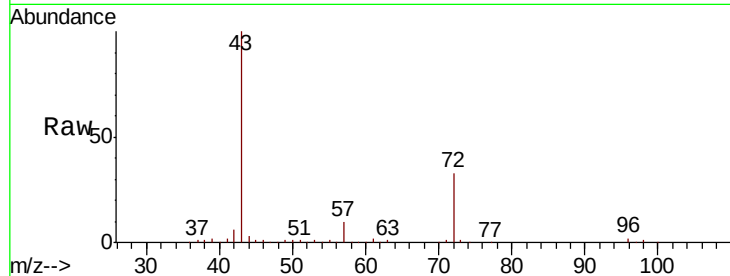
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 556221

Ion Ratio Lower Upper

43 100

72 33.3 16.7 50.1



#23

Bromochloromethane

Concen: 205.061 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

Tgt Ion:128 Resp: 215531

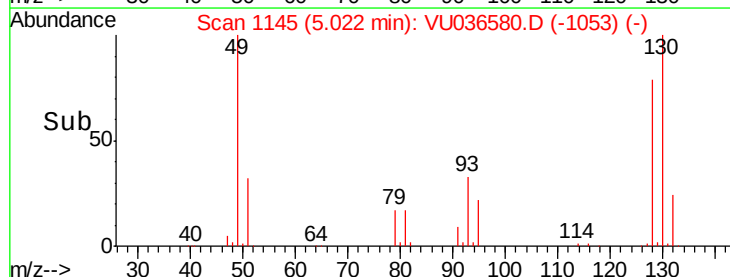
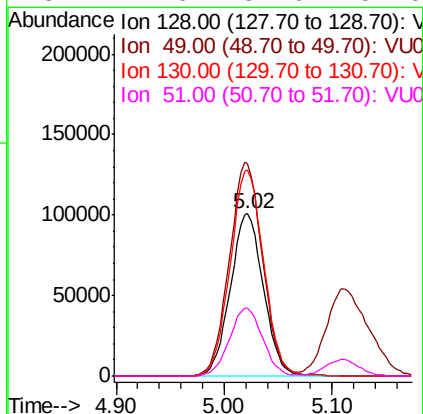
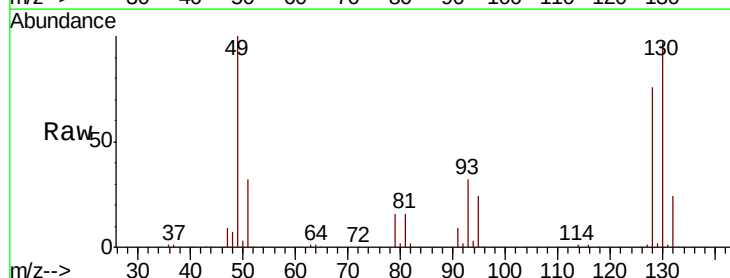
Ion Ratio Lower Upper

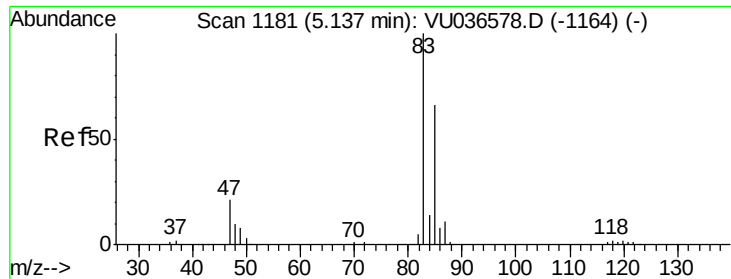
128 100

49 130.8 92.5 171.9

130 126.9 90.4 168.0

51 41.6 34.6 52.0

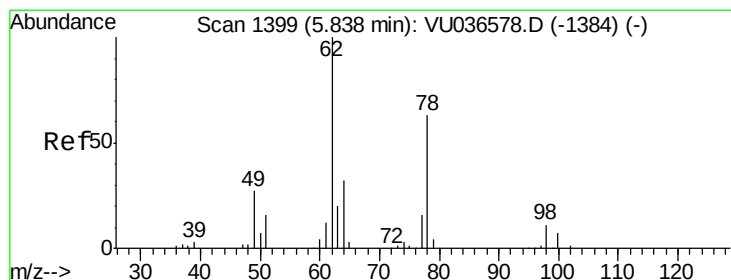
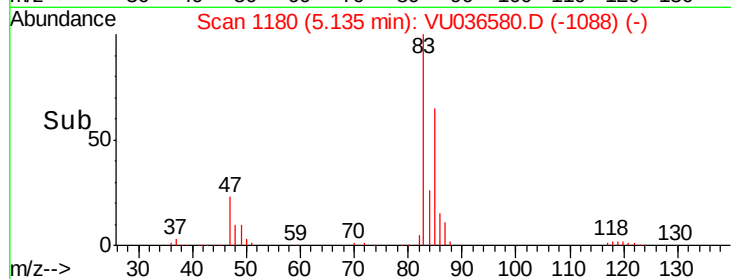
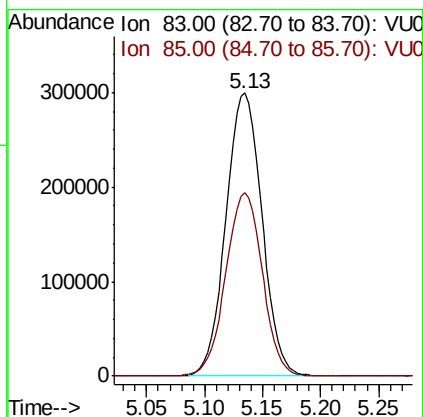
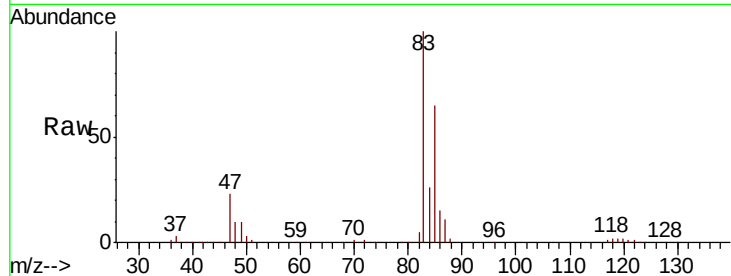




#25
Chloroform
Concen: 174.951 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

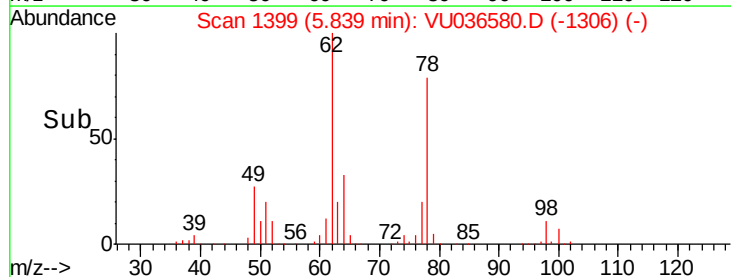
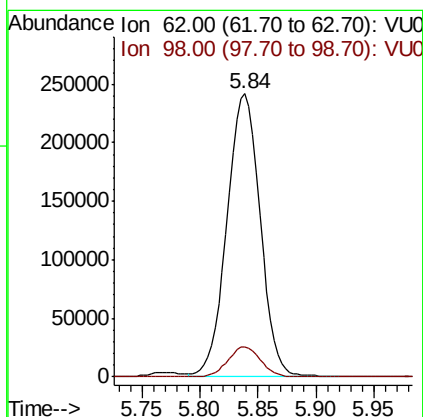
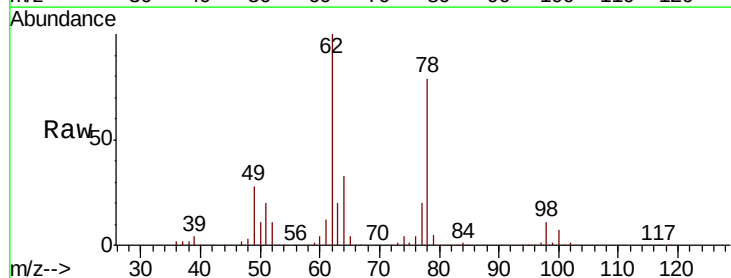
Instrument :
MSVOA_U
ClientSampleId :

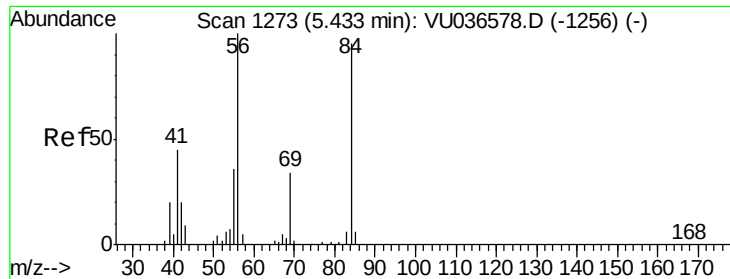
Tot Ion: 83 Resp: 646744
Ion Ratio Lower Upper
83 100
85 64.7 46.3 85.9



#27
1,2-Dichloroethane
Concen: 164.711 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

Tgt Ion: 62 Resp: 477319
Ion Ratio Lower Upper
62 100
98 10.8 8.4 12.6

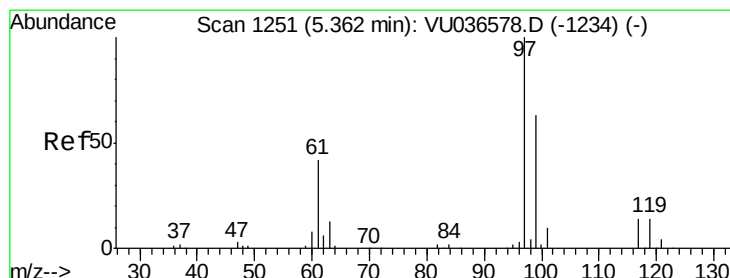
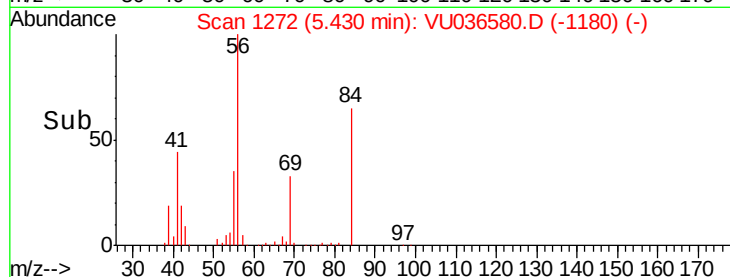
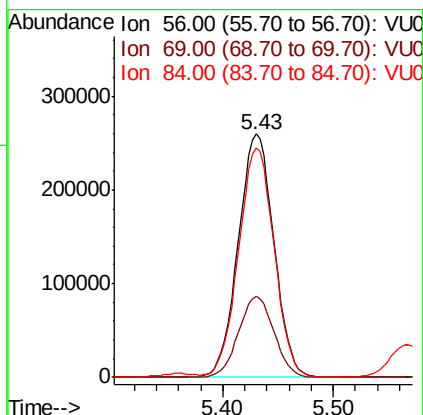
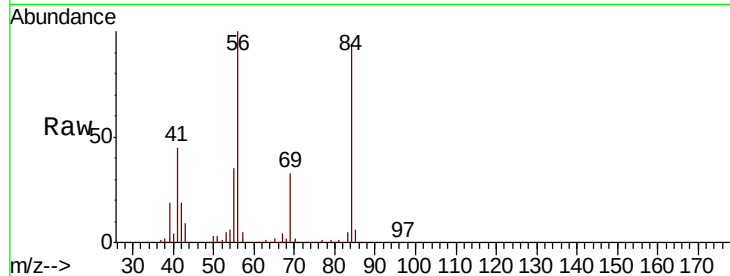




#29
Cyclohexane
Concen: 178.677 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

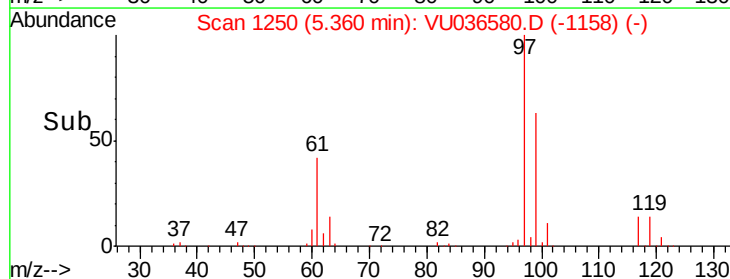
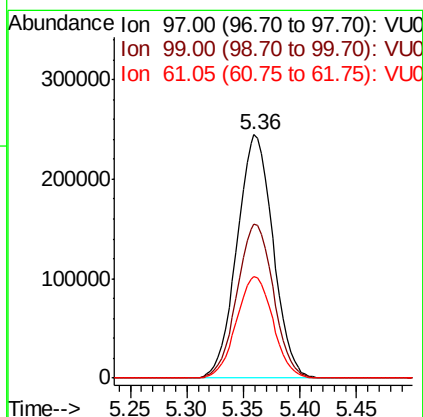
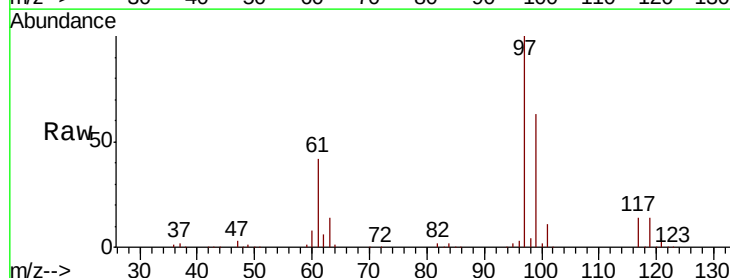
Instrument :
MSVOA_U
ClientSampled :

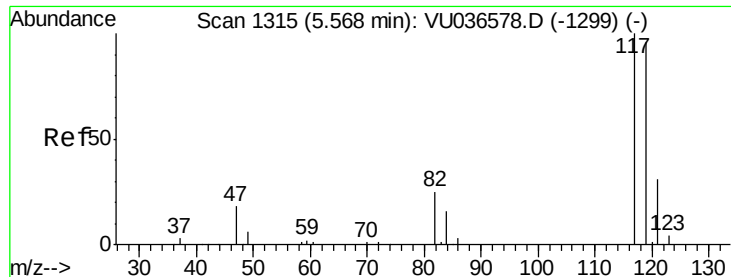
Tot Ion: 56 Resp: 581353
Ion Ratio Lower Upper
56 100
69 33.1 26.4 39.6
84 94.0 76.6 114.8



#30
1,1,1-Trichloroethane
Concen: 170.976 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

Tgt Ion: 97 Resp: 543619
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 42.3 34.1 51.1

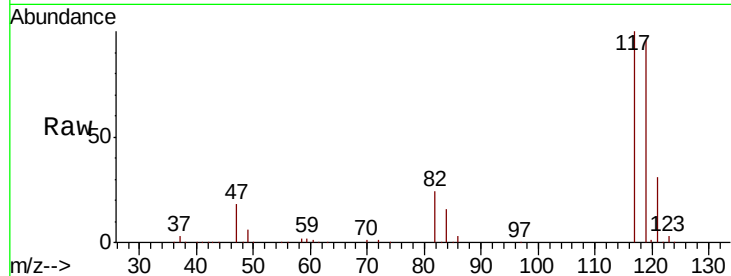




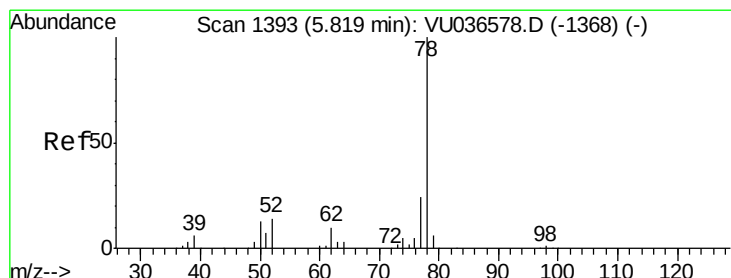
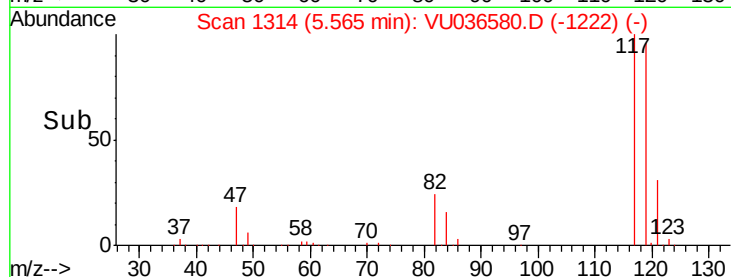
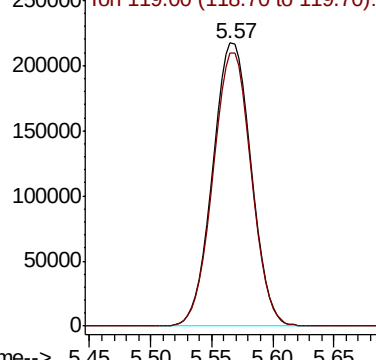
#31
Carbon tetrachloride
Concen: 174.731 ug/L
RT: 5.57 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 474590
Ion Ratio Lower Upper
117 100
119 96.1 76.2 114.2

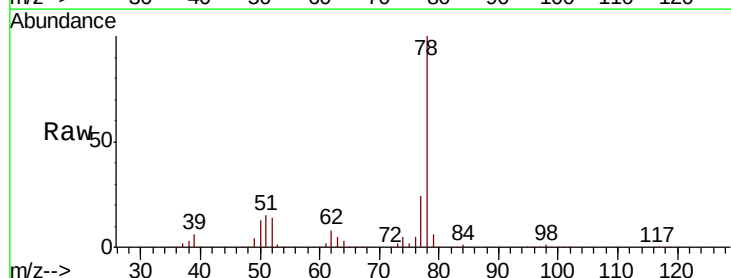


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

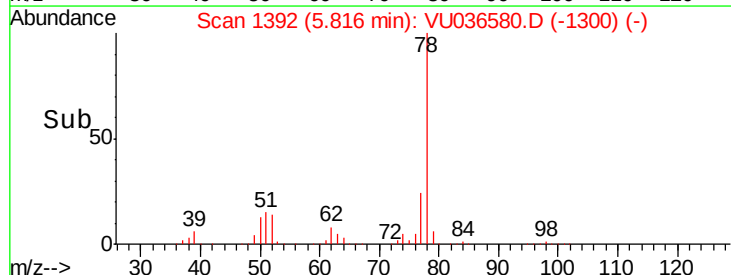
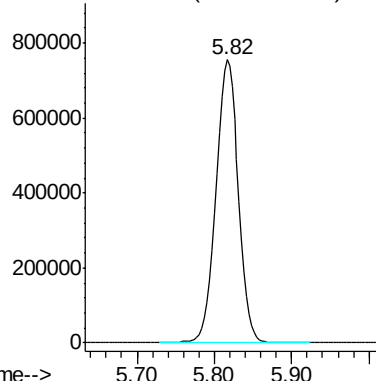


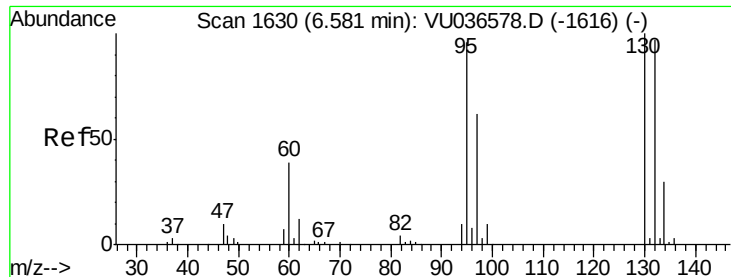
#33
Benzene
Concen: 191.372 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

Tgt Ion: 78 Resp: 1522124



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 187.220 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 396744

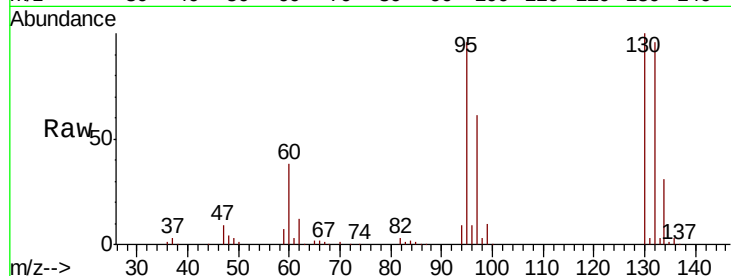
Ion Ratio Lower Upper

95 100

97 63.9 45.5 84.5

132 99.9 70.9 131.7

130 103.9 72.9 135.3

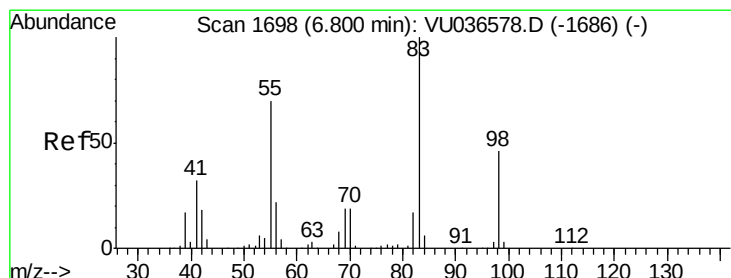
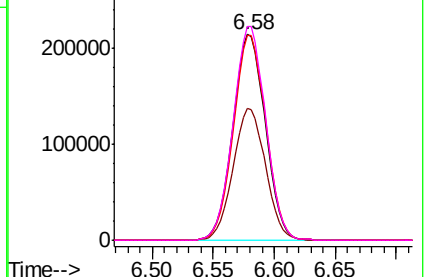
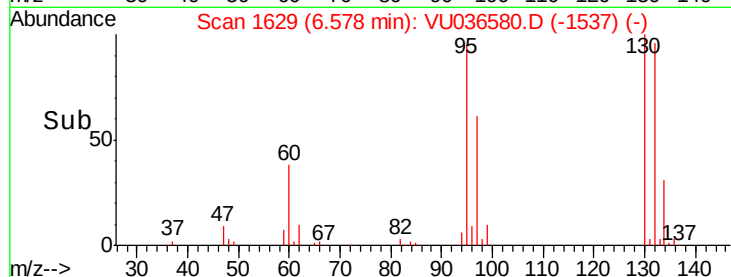


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 197.226 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

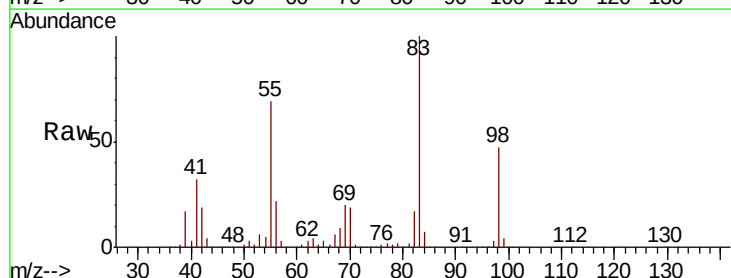
Tgt Ion: 83 Resp: 654522

Ion Ratio Lower Upper

83 100

55 68.9 56.1 84.1

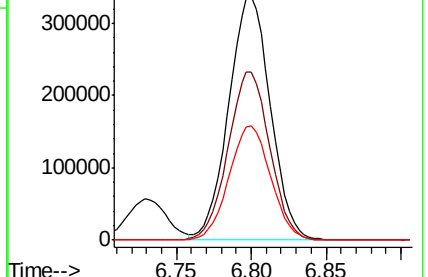
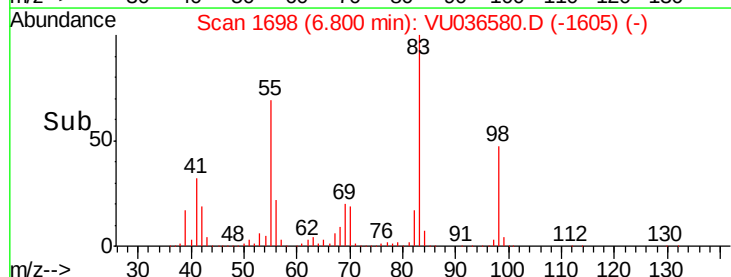
98 47.0 37.5 56.3

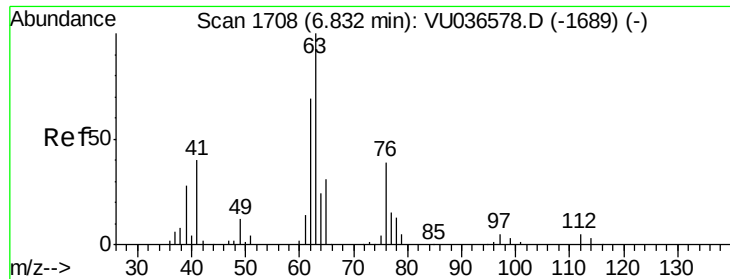


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

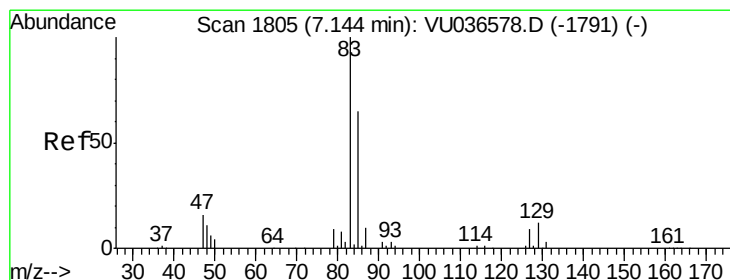
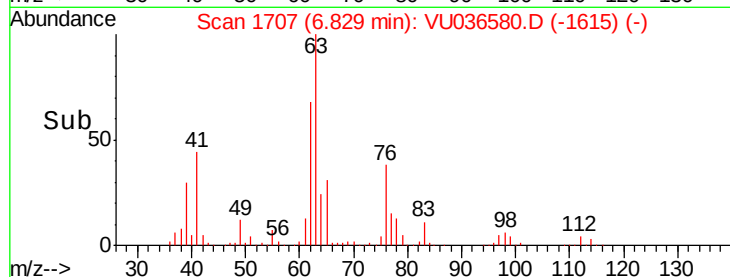
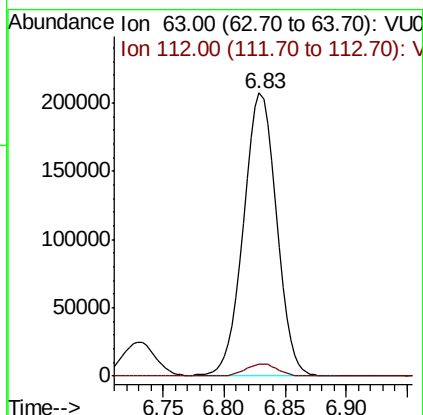
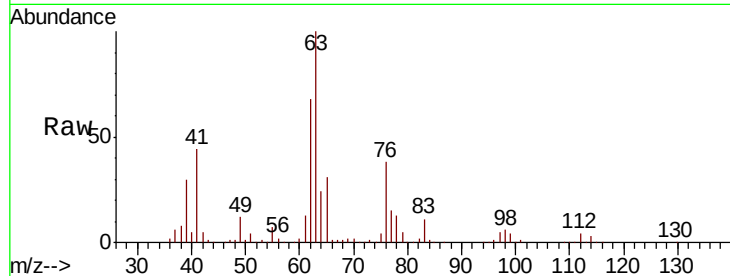




#37
 1,2-Dichloropropane
 Concen: 183.349 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036580.D
 Acq: 28 Jan 2020 18:23

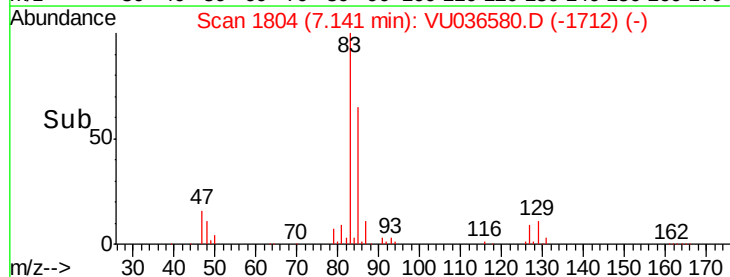
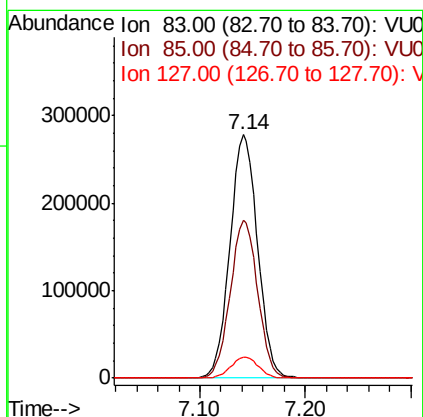
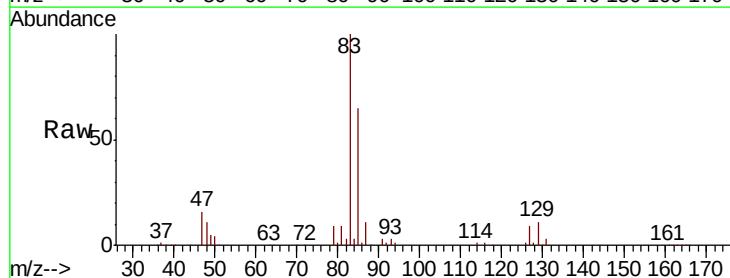
Instrument :
 MSVOA_U
 ClientSampleId :

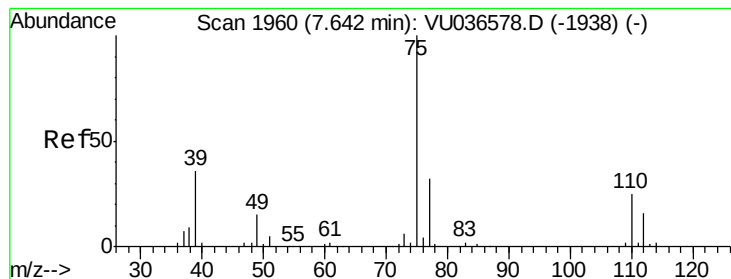
Tot Ion: 63 Resp: 386079
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 177.235 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036580.D
 Acq: 28 Jan 2020 18:23

Tgt Ion: 83 Resp: 503265
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.4 84.4
 127 8.7 7.2 10.8



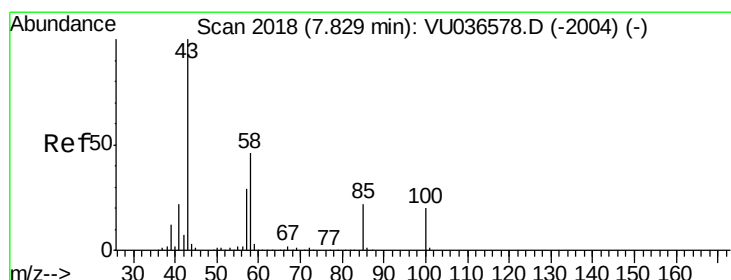
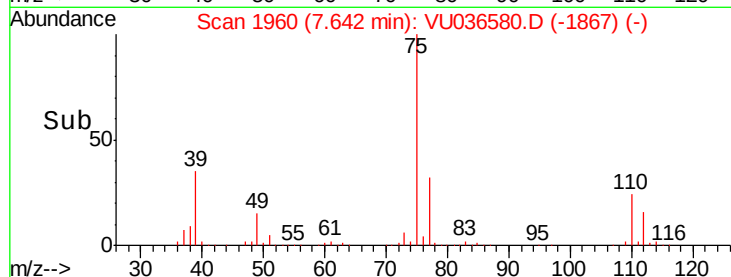
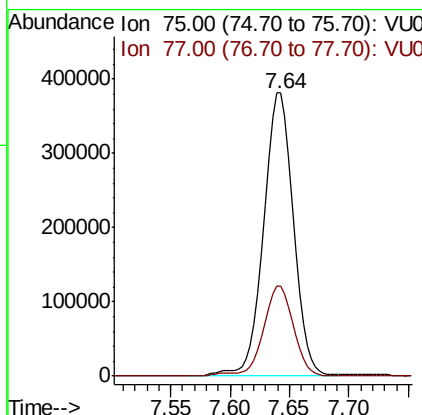
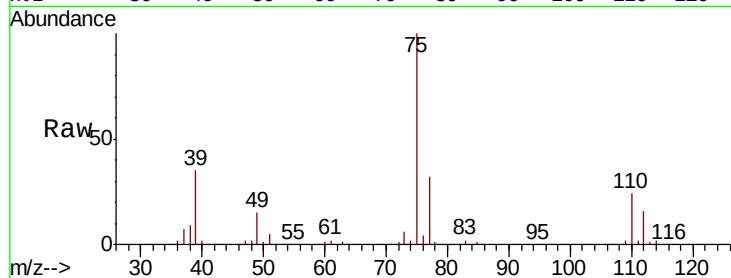


#39

cis-1,3-Dichloropropene
 Concen: 196.259 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036580.D
 Acq: 28 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampleId :

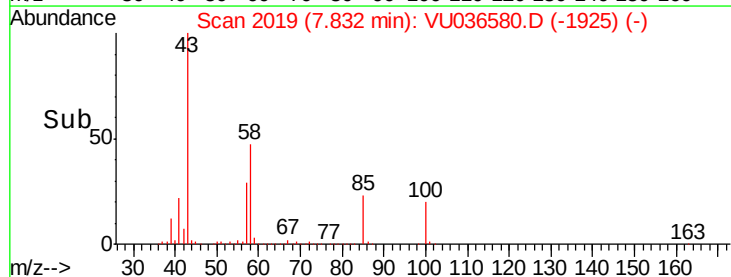
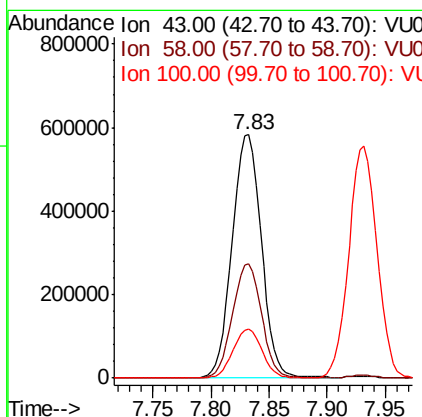
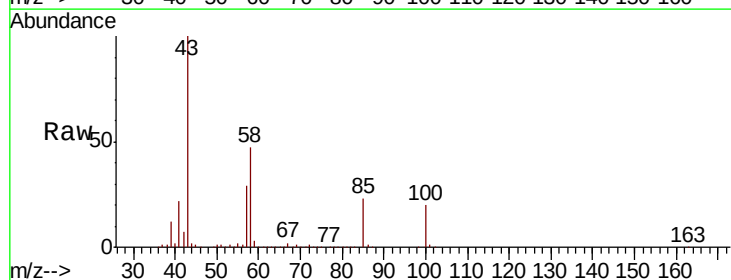
Tot Ion: 75 Resp: 664838
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.5 41.9

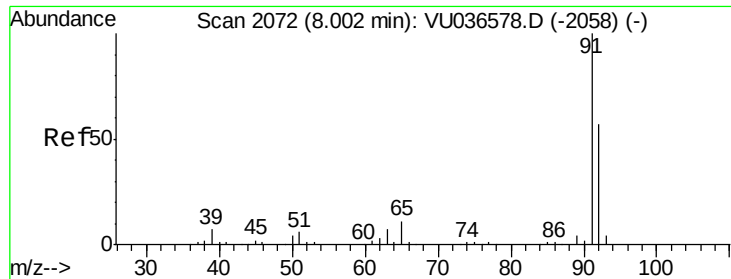


#40

4-Methyl-2-pentanone
 Concen: 313.768 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036580.D
 Acq: 28 Jan 2020 18:23

Tgt Ion: 43 Resp: 1021773
 Ion Ratio Lower Upper
 43 100
 58 46.6 37.0 55.4
 100 20.0 15.8 23.6





#42

Toluene

Concen: 195.047 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

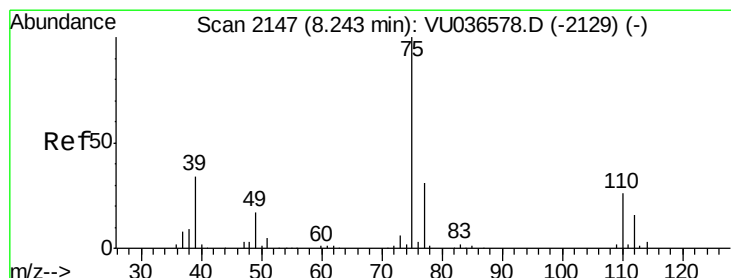
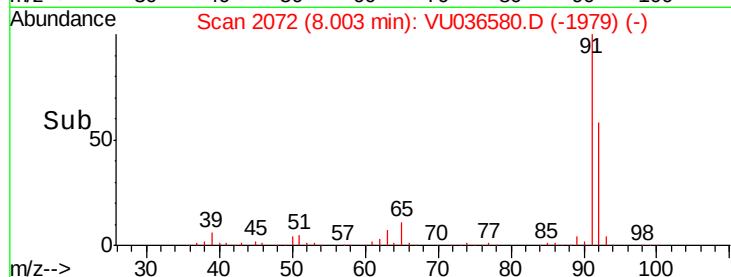
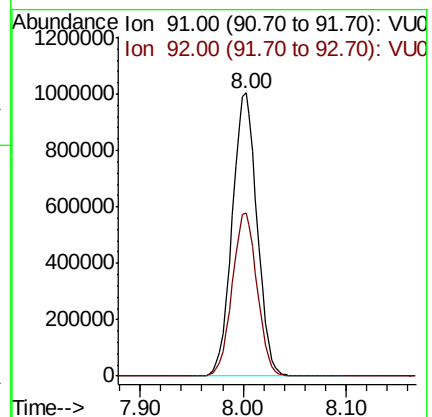
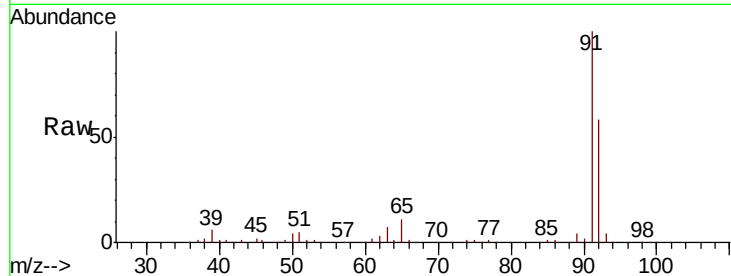
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 1686315

Ion Ratio Lower Upper

91 100

92 57.7 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 189.275 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036580.D

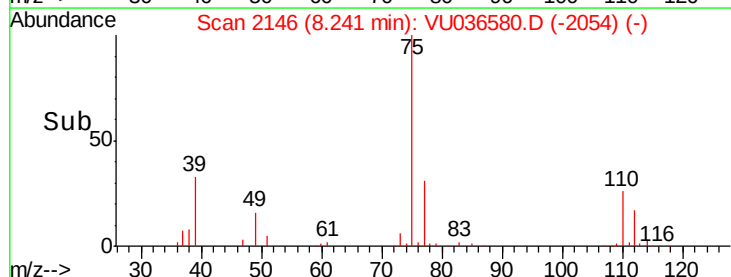
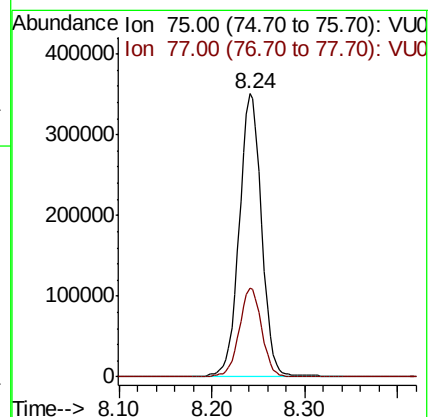
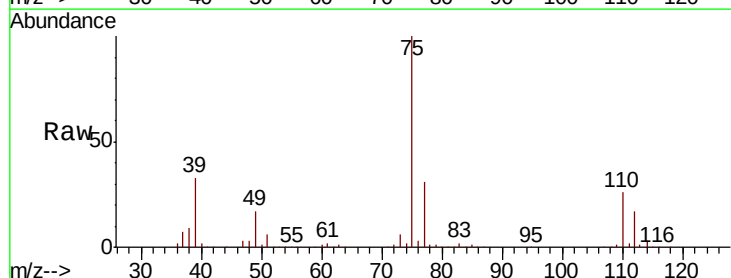
Acq: 28 Jan 2020 18:23

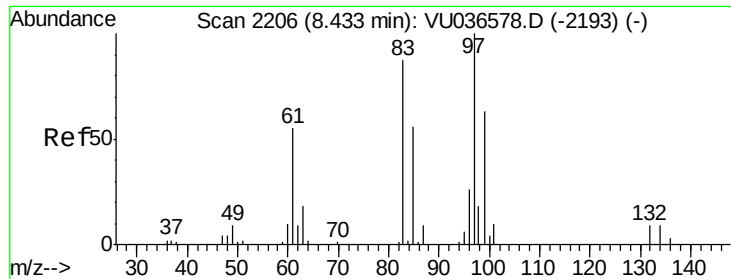
Tgt Ion: 75 Resp: 586995

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.6

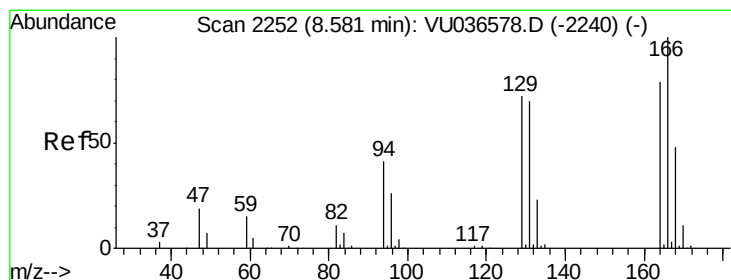
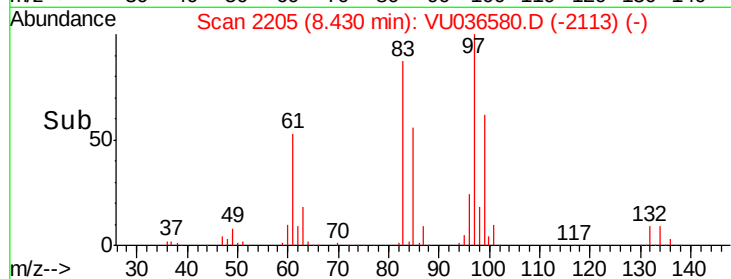
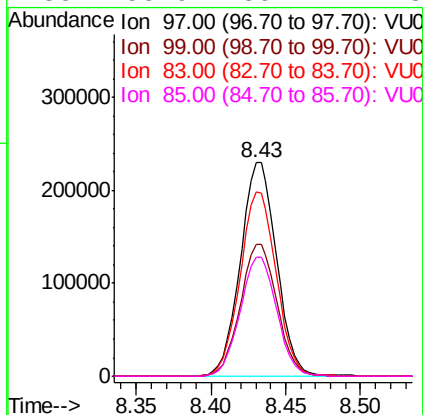
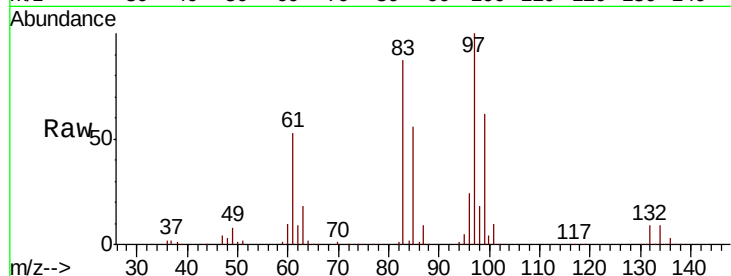




#45
1,1,2-Trichloroethane
Concen: 190.960 ug/L
RT: 8.43 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

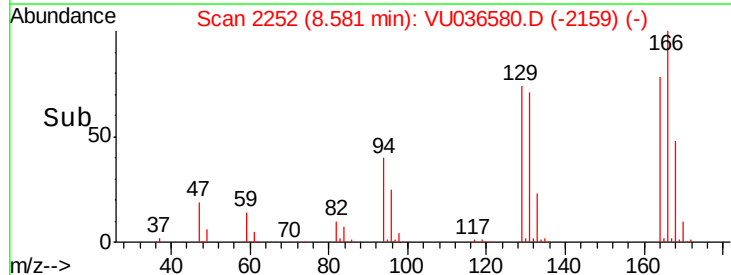
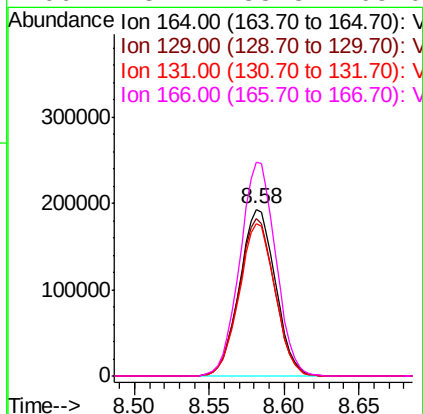
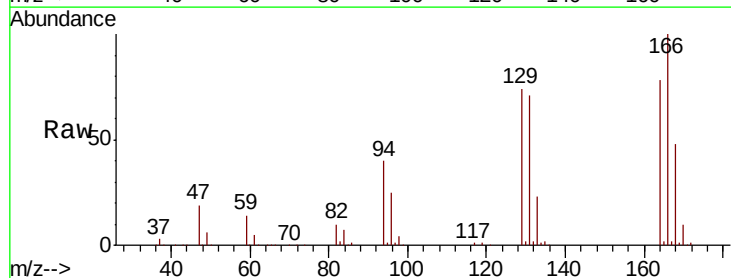
Instrument :
MSVOA_U
ClientSampleId :

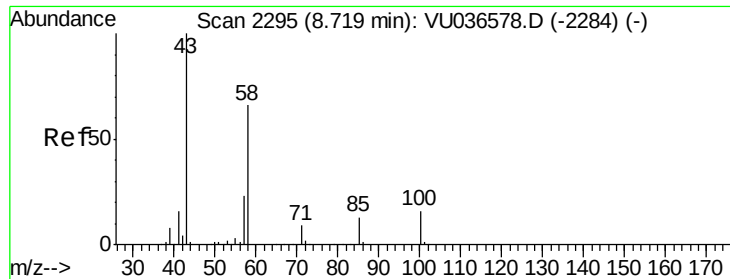
Tot Ion:	97	Resp:	387138
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.1	81.9
83	86.6	61.2	113.6
85	55.9	39.2	72.8



#46
Tetrachloroethene
Concen: 217.860 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

Tgt Ion:	164	Resp:	323259
Ion	Ratio	Lower	Upper
164	100		
129	94.3	64.2	119.2
131	91.6	61.8	114.8
166	128.1	88.8	165.0

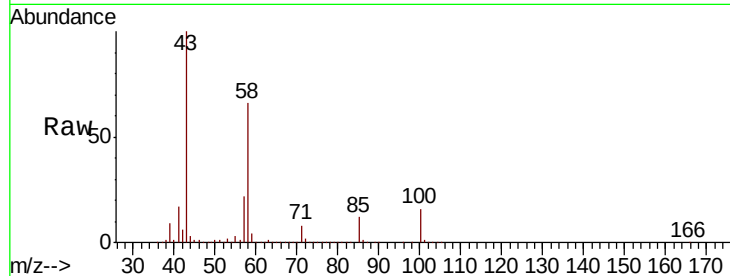




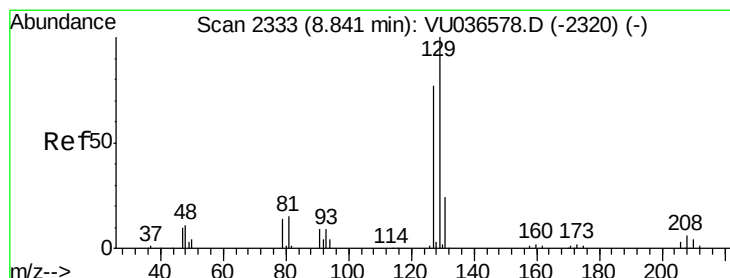
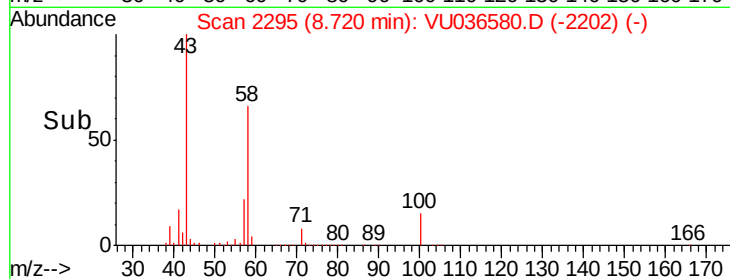
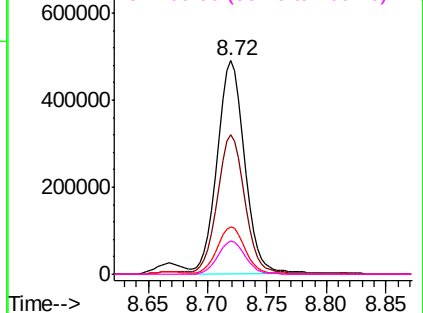
#48
2-Hexanone
Concen: 305.790 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	787278
Ion	Ratio	Lower	Upper
43	100		
58	66.8	49.4	74.0
57	22.1	17.1	25.7
100	15.8	11.9	17.9

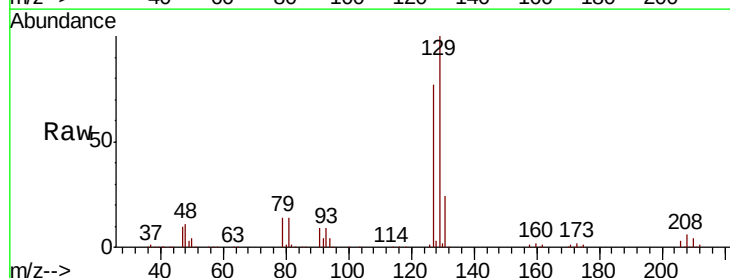


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

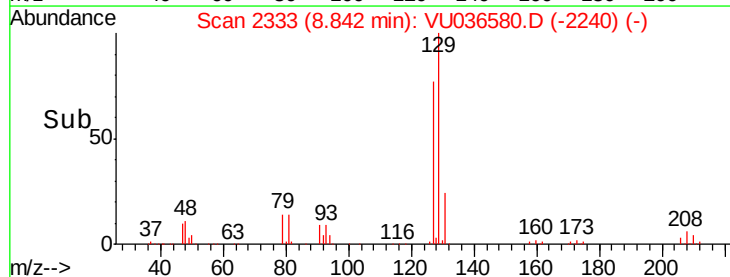
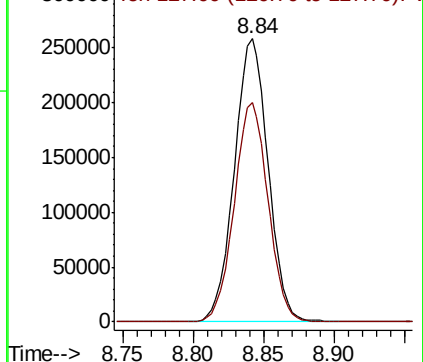


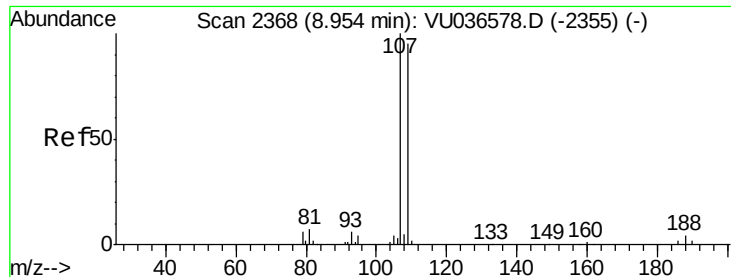
#49
Dibromochloromethane
Concen: 194.944 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

Tgt Ion:	129	Resp:	434392
Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.0	100.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

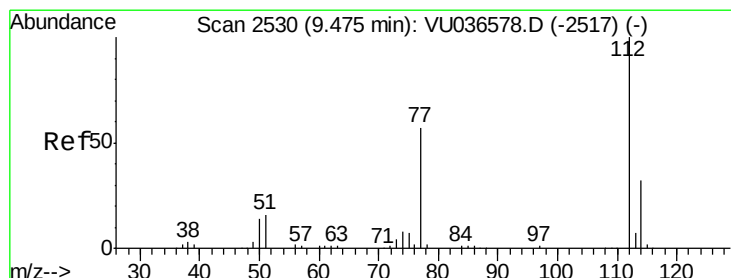
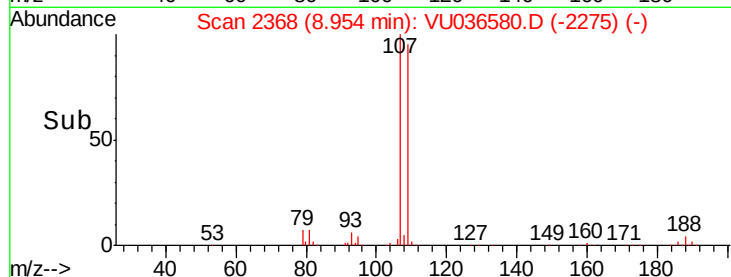
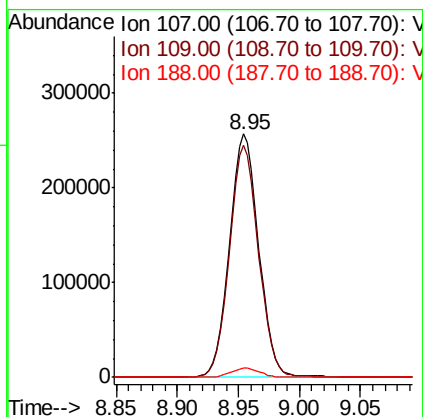
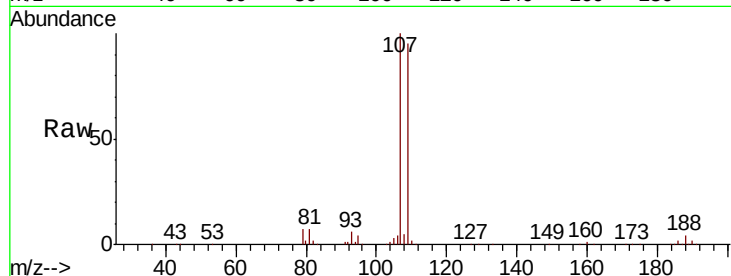




#50
1,2-Dibromoethane
Concen: 188.551 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

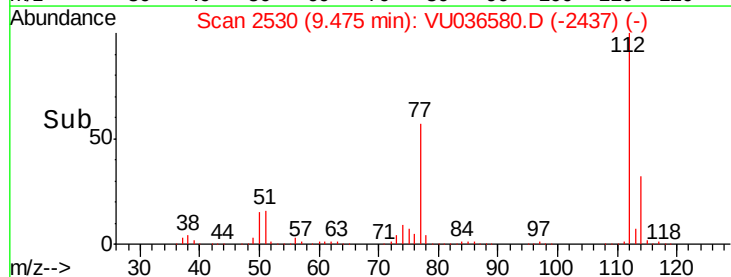
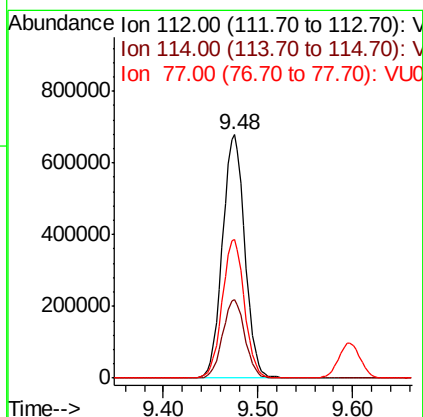
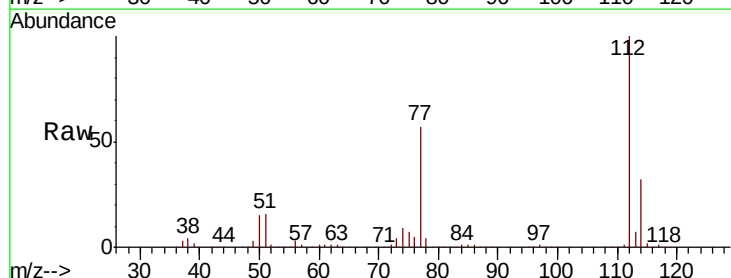
Instrument :
MSVOA_U
ClientSampleId :

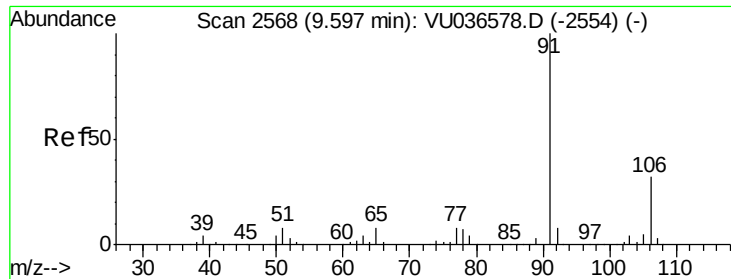
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	66.3	123.1
188	3.8	3.1	4.7



#51
Chlorobenzene
Concen: 203.221 ug/L
RT: 9.48 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036580.D
Acq: 28 Jan 2020 18:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.3	41.5
77	57.0	45.7	68.5





#52

Ethylbenzene

Concen: 194.704 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

Instrument :

MSVOA_U

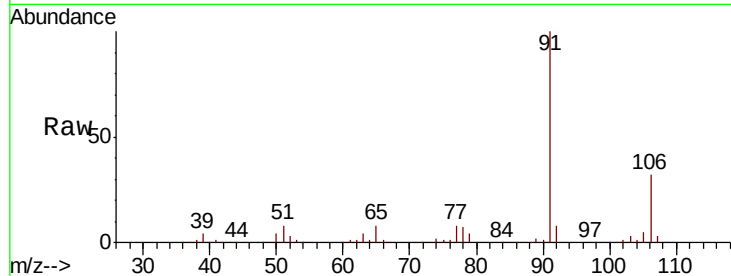
ClientSampleId :

Tot Ion: 91 Resp: 1869426

Ion Ratio Lower Upper

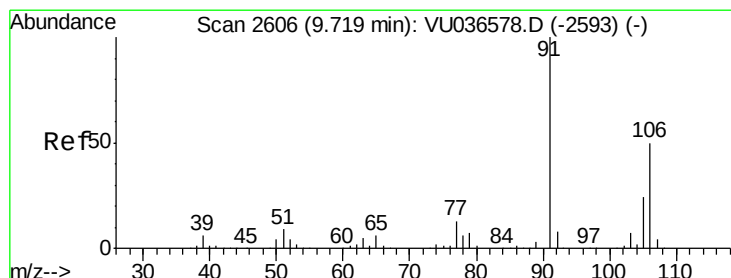
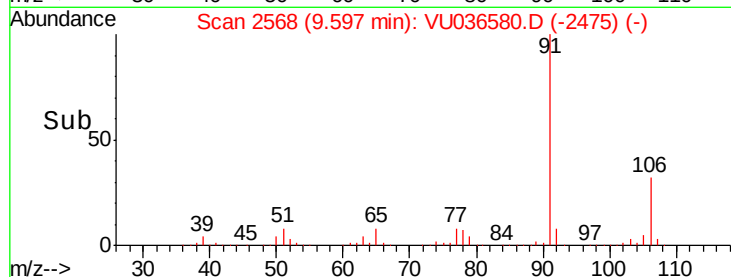
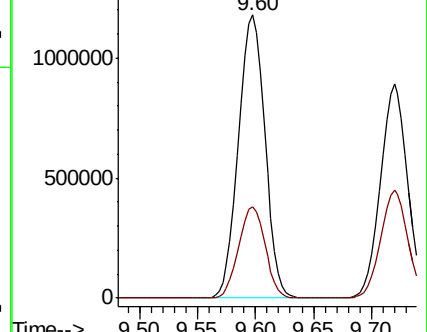
91 100

106 32.3 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VU036578.D (-2554) (-)

Ion 106.00 (105.70 to 106.70): VU036578.D (-2554) (-)



#53

m,p-Xylene

Concen: 204.081 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036580.D

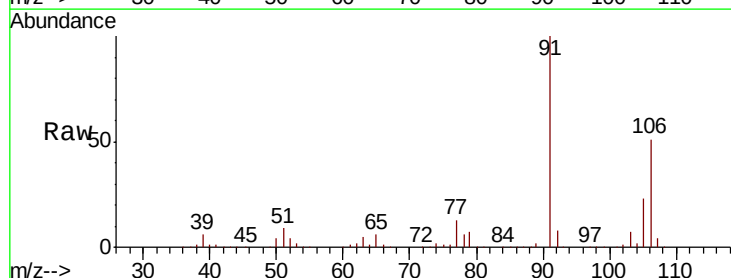
Acq: 28 Jan 2020 18:23

Tgt Ion: 106 Resp: 739587

Ion Ratio Lower Upper

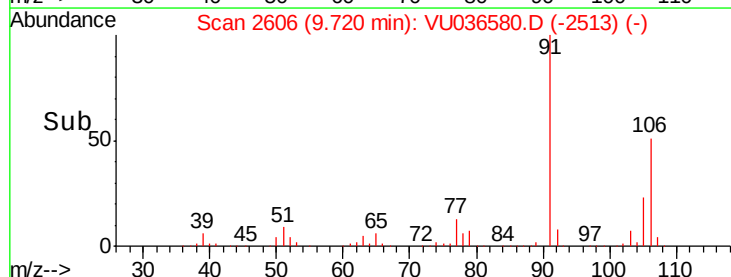
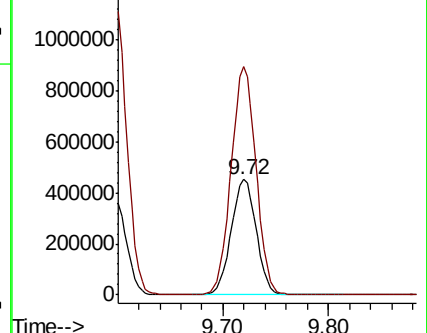
106 100

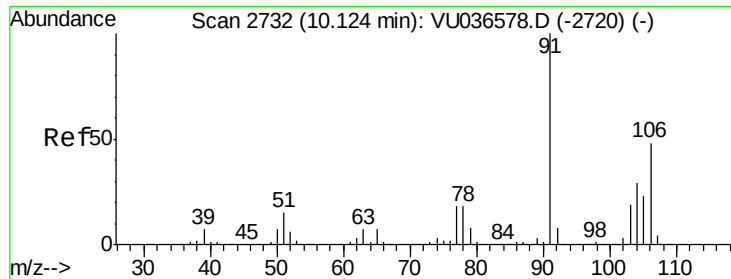
91 197.2 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): VU036578.D (-2593) (-)

Ion 91.00 (90.70 to 91.70): VU036578.D (-2593) (-)





#54

o-xylene

Concen: 200.541 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

Instrument :

MSVOA_U

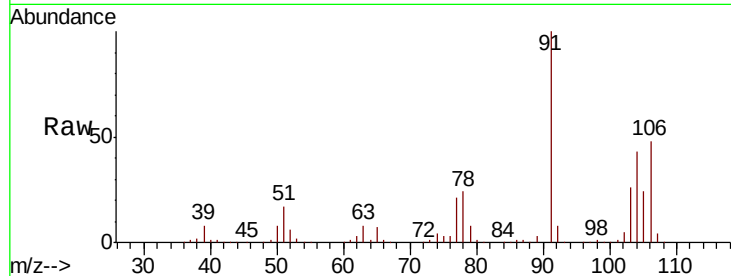
ClientSampleId :

Tot Ion:106 Resp: 727524

Ion Ratio Lower Upper

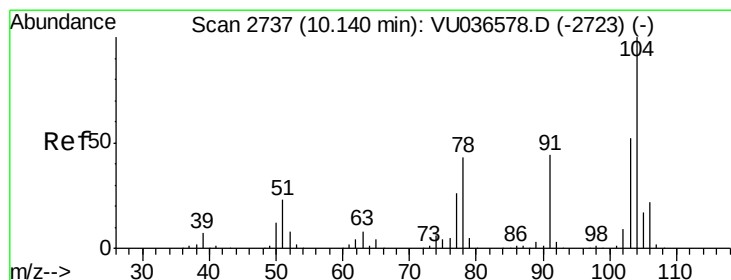
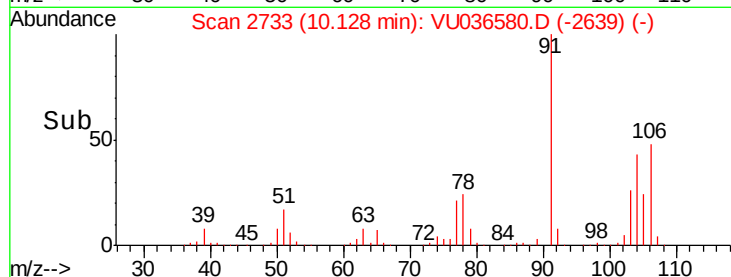
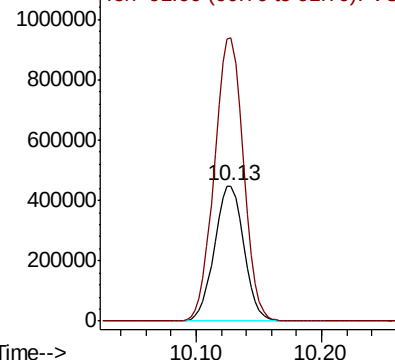
106 100

91 208.8 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 210.574 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036580.D

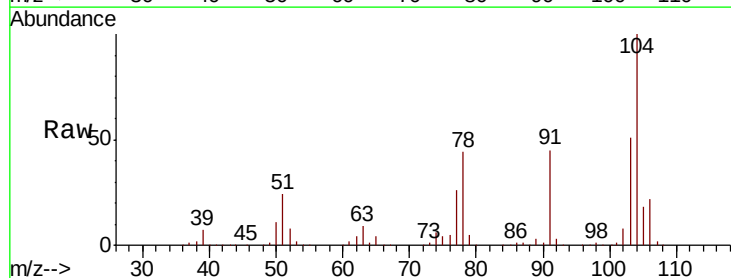
Acq: 28 Jan 2020 18:23

Tgt Ion:104 Resp: 1236310

Ion Ratio Lower Upper

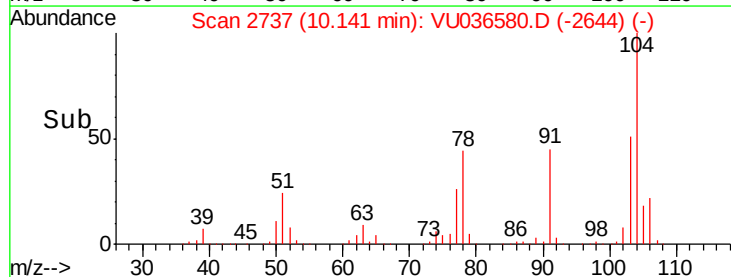
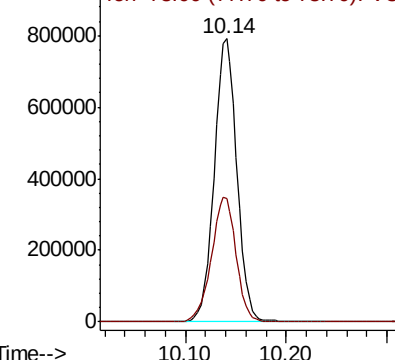
104 100

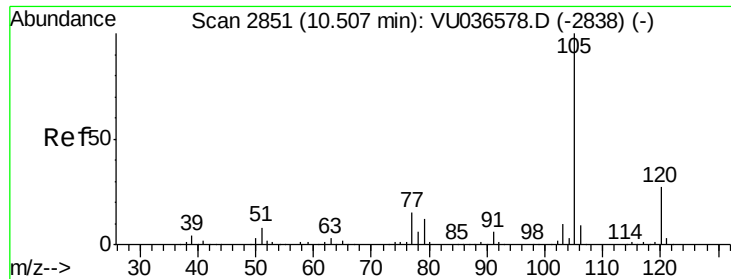
78 43.6 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 201.792 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

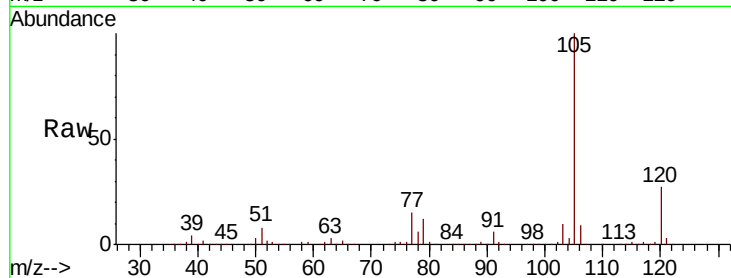
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:105 Resp: 1865723

Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.6	32.4
77	14.7	11.8	17.8

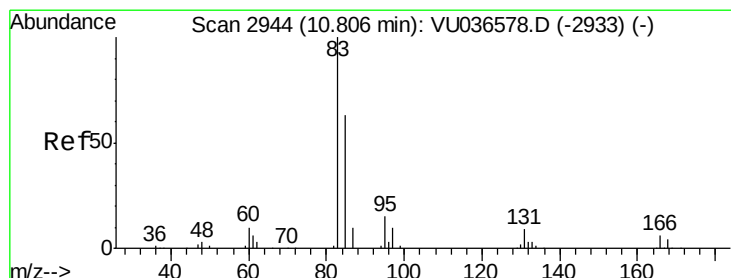
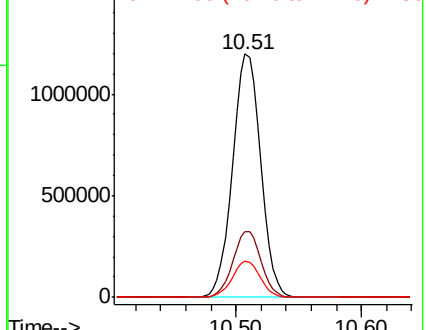
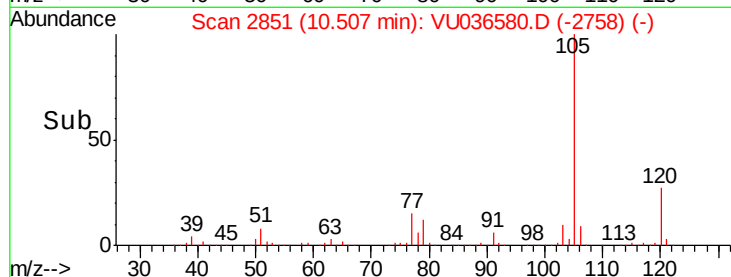


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 195.718 ug/L

RT: 10.81 min Scan# 2944

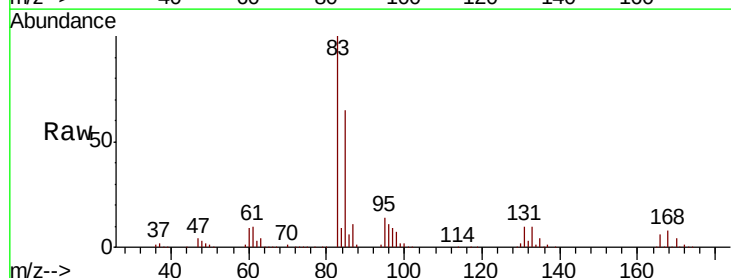
Delta R.T. 0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

Tgt Ion: 83 Resp: 686305

Ion	Ratio	Lower	Upper
83	100		
85	65.1	44.5	82.7
131	9.9	7.8	11.8

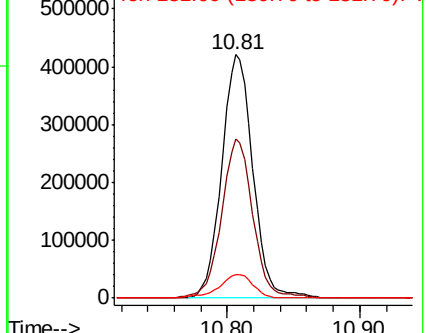
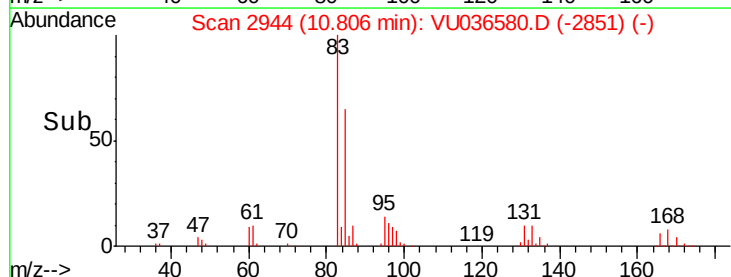


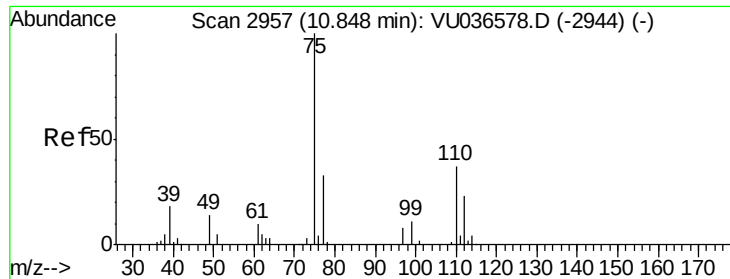
Abundance

Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 183.901 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

Instrument :

MSVOA_U

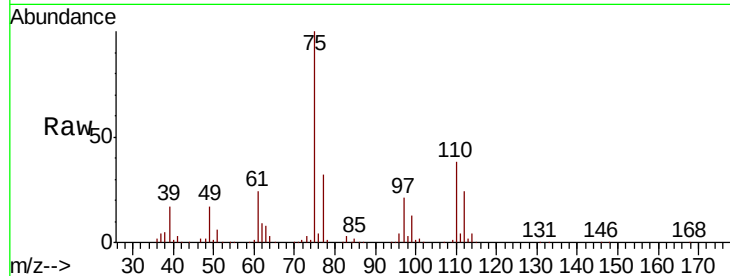
ClientSampleId :

Tot Ion: 75 Resp: 529927

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU036578.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU036578.D (-2944) (-)

10.85

300000

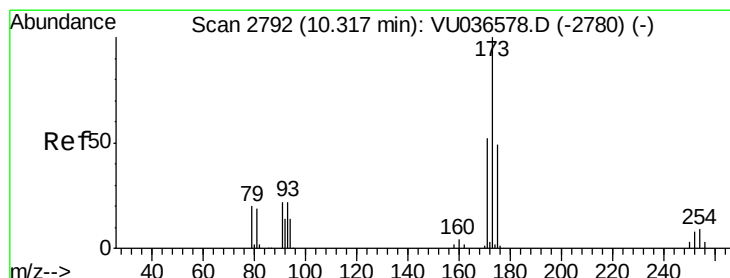
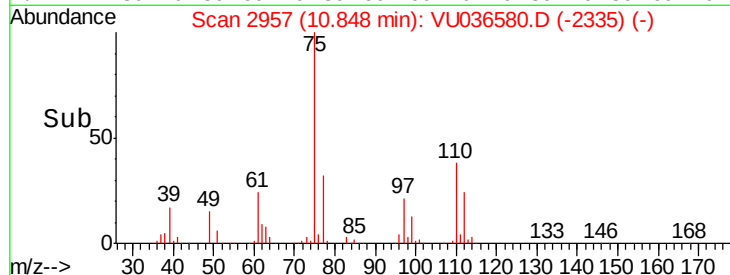
200000

100000

0

Time-->

10.80 10.90



#61

Bromoform

Concen: 180.300 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

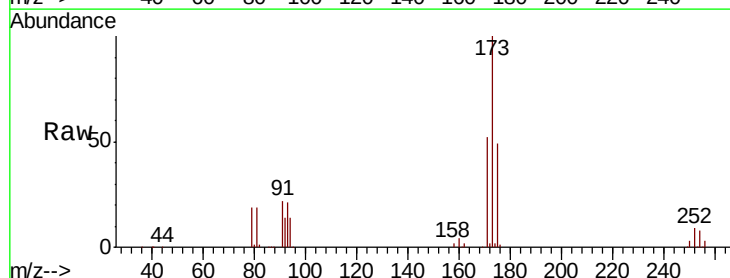
Tgt Ion: 173 Resp: 348902

Ion Ratio Lower Upper

173 100

175 48.9 39.3 58.9

254 8.4 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): VU036578.D (-2780) (-)

Ion 175.00 (174.70 to 175.70): VU036578.D (-2780) (-)

Ion 254.00 (253.70 to 254.70): VU036578.D (-2780) (-)

10.32

250000

200000

150000

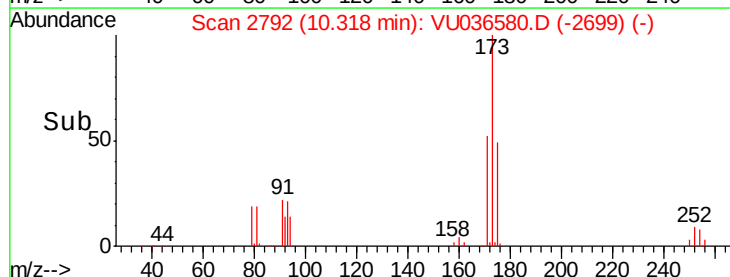
100000

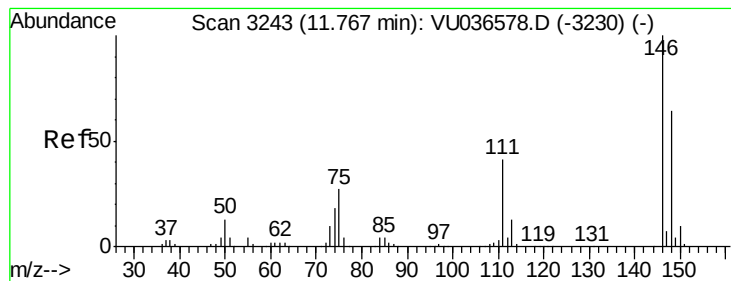
50000

0

Time-->

10.30 10.40





#62

1,3-Dichlorobenzene

Concen: 196.248 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

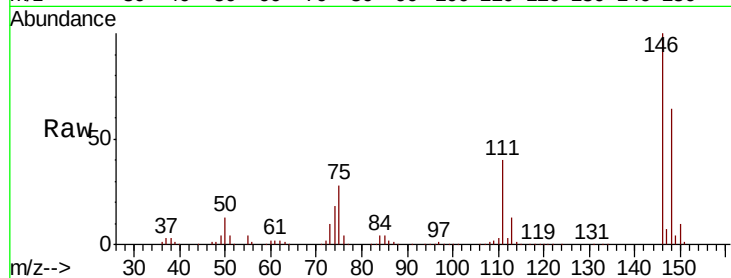
Tot Ion:146 Resp: 892229

Ion Ratio Lower Upper

146 100

111 39.8 28.6 53.0

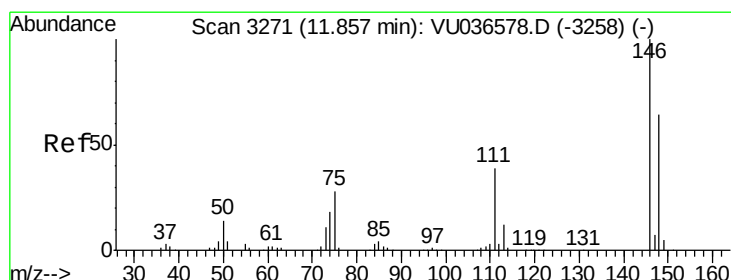
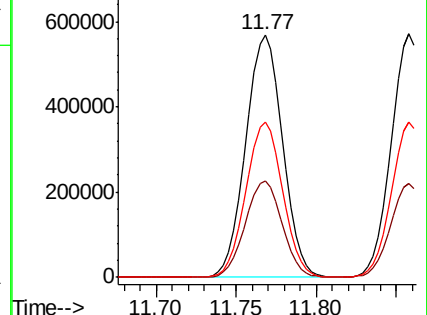
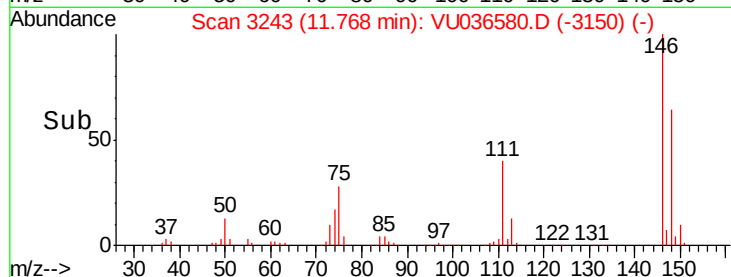
148 64.3 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 194.199 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

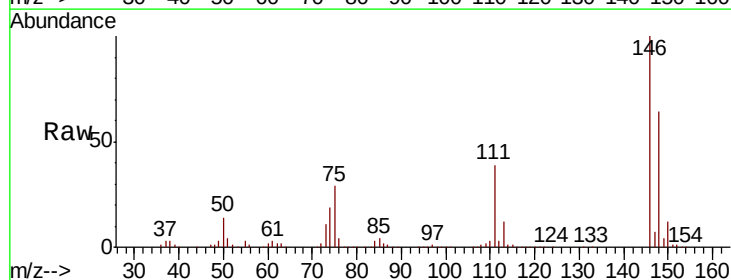
Tgt Ion:146 Resp: 881205

Ion Ratio Lower Upper

146 100

111 38.8 27.2 50.4

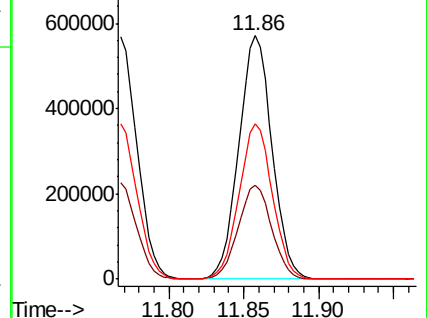
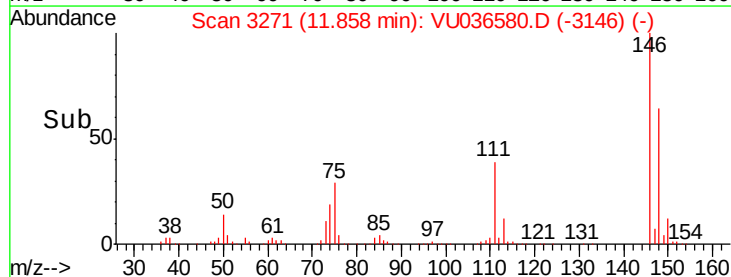
148 64.0 44.8 83.2

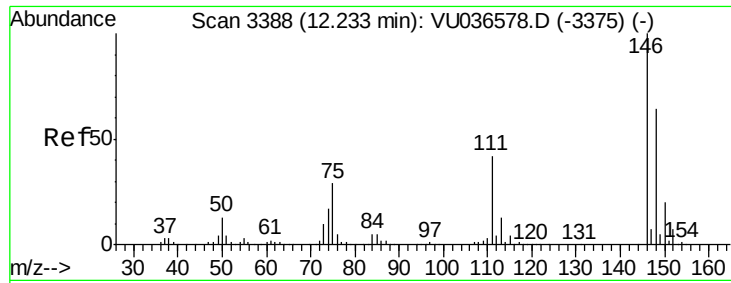


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 193.523 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

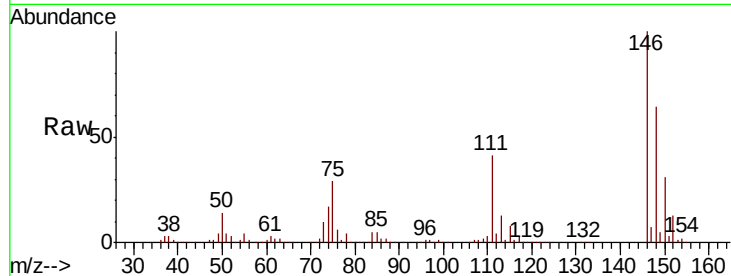
Tot Ion:146 Resp: 869776

Ion Ratio Lower Upper

146 100

111 41.4 33.4 50.2

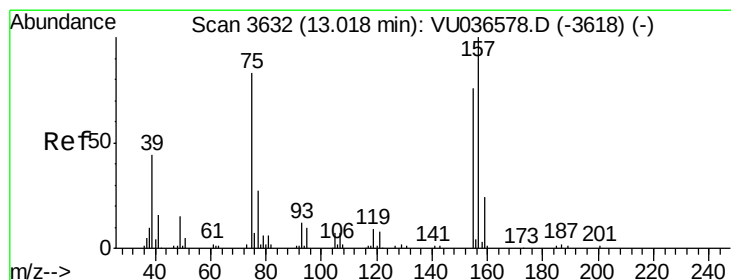
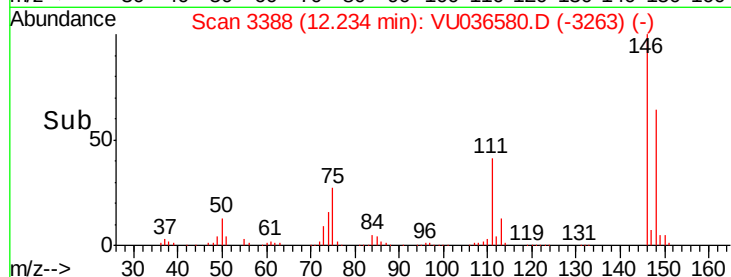
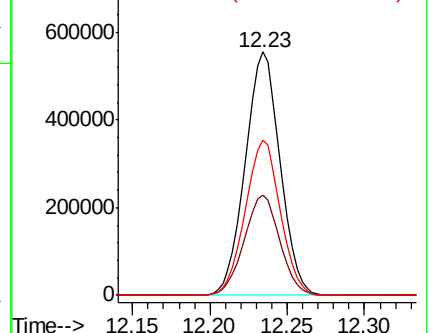
148 63.5 51.3 76.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 160.614 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

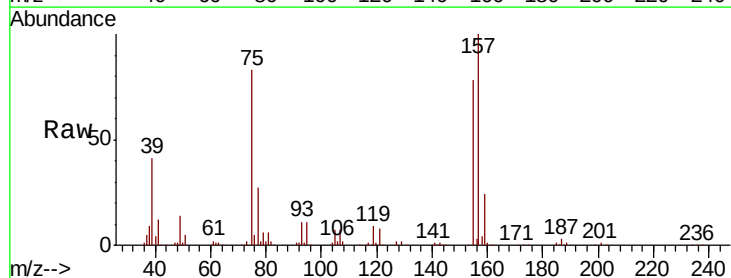
Tgt Ion: 75 Resp: 151567

Ion Ratio Lower Upper

75 100

155 94.0 73.4 110.2

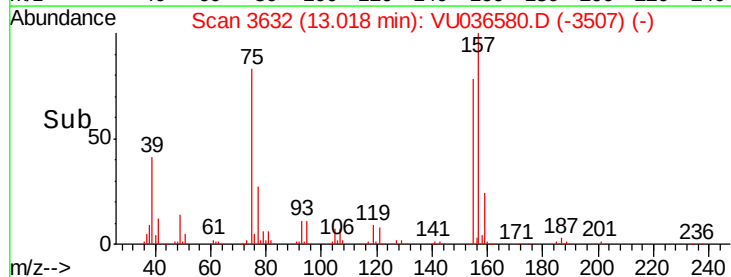
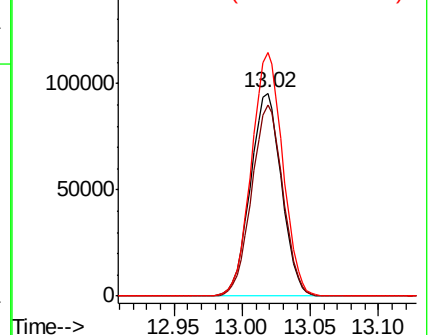
157 120.1 96.8 145.2

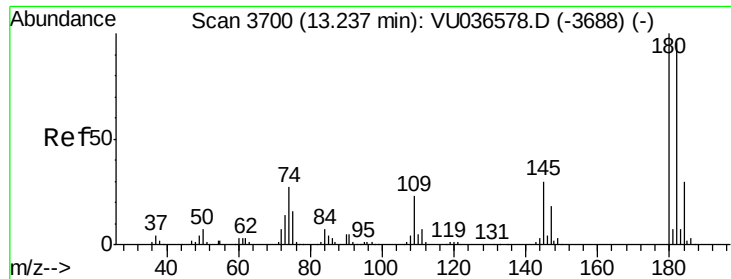


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

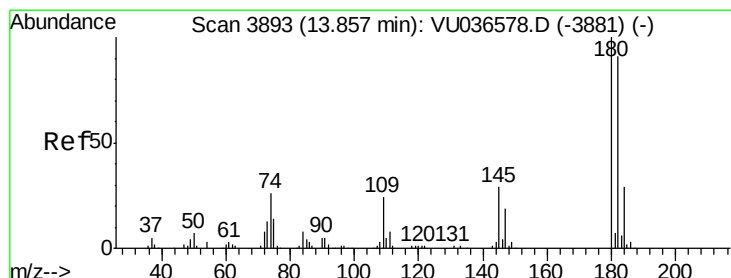
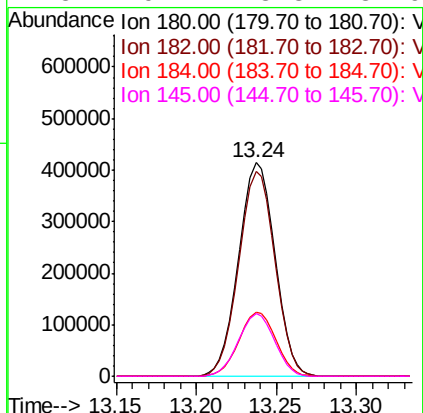
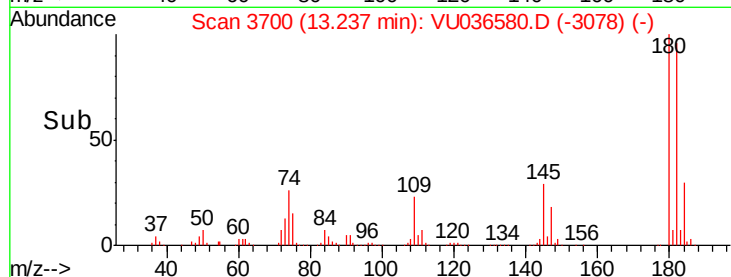
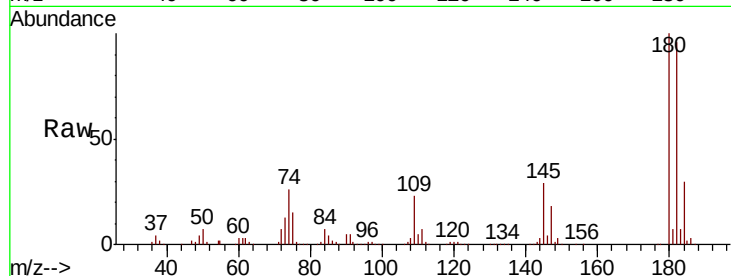




#67
 1,3,5-Trichlorobenzene
 Concen: 225.869 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036580.D
 Acq: 28 Jan 2020 18:23

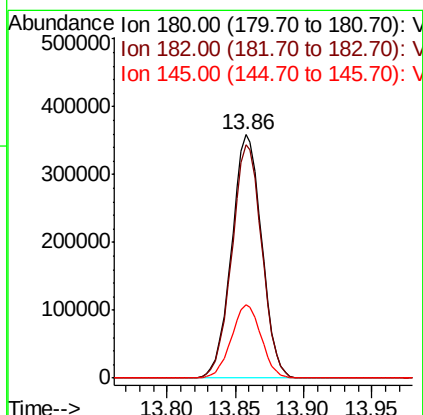
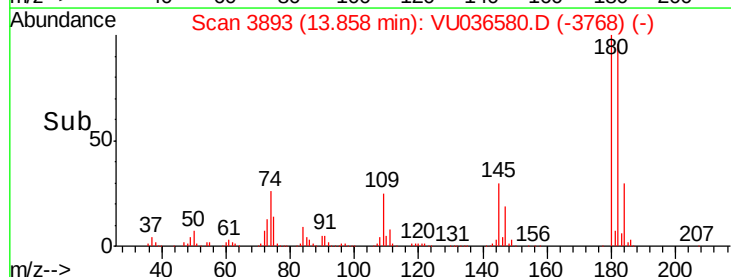
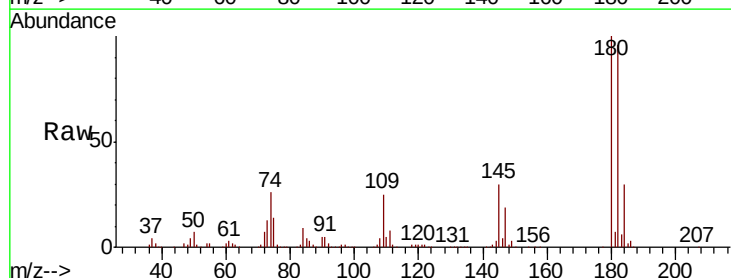
Instrument :
 MSVOA_U
 ClientSampleId :

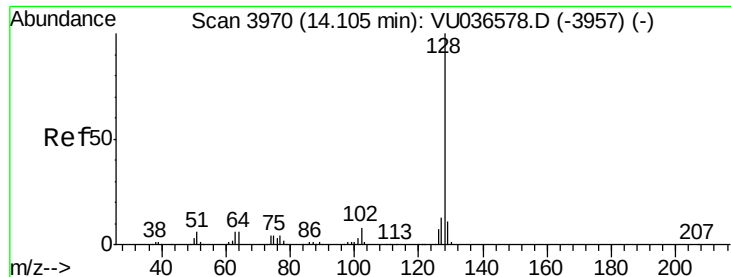
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
184	30.4	24.2	36.4
145	29.2	23.3	34.9



#68
 1,2,4-trichlorobenzene
 Concen: 261.804 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036580.D
 Acq: 28 Jan 2020 18:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.9	112.3
145	29.9	23.8	35.8





#69

Naphthalene

Concen: 254.078 ug/L

RT: 14.11 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampled :

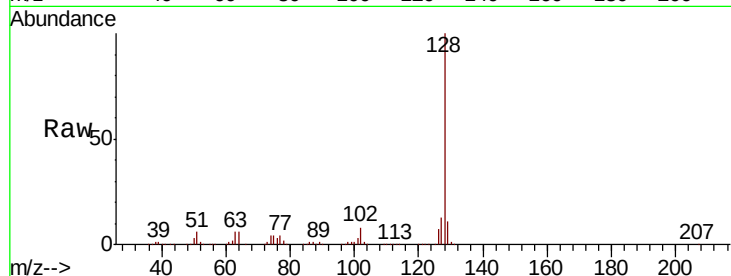
Tot Ion:128 Resp: 1751534

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

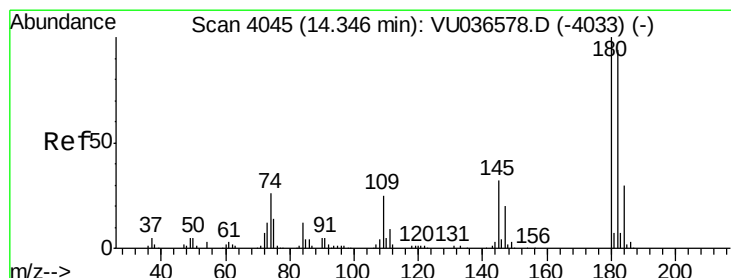
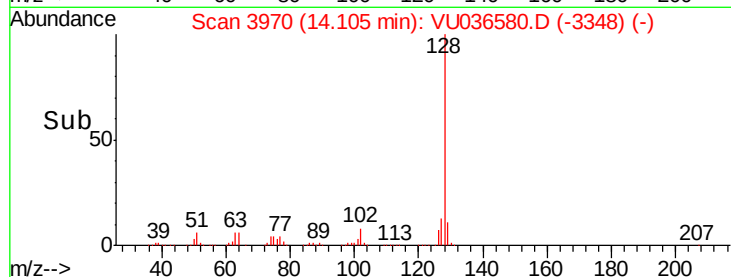
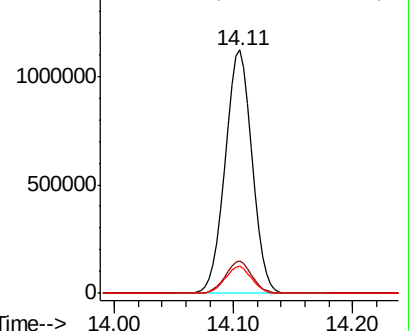
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 244.627 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. 0.00 min

Lab File: VU036580.D

Acq: 28 Jan 2020 18:23

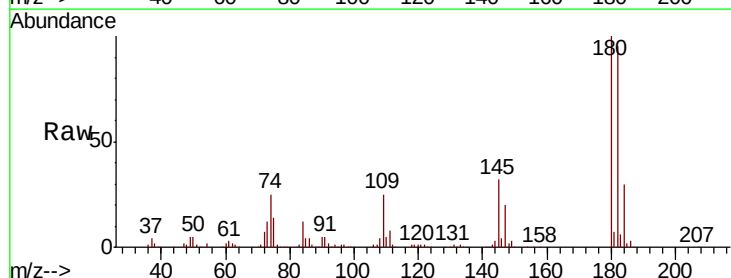
Tgt Ion:180 Resp: 533496

Ion Ratio Lower Upper

180 100

182 95.0 76.1 114.1

145 31.6 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

