

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022420\
 Data File : VU036883.D
 Acq On : 24 Feb 2020 14:46
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 25 03:20:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 25 03:18:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	288405	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	272421	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	118749	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	119428	49.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.62%
7) Chloroethane-d5	1.93	69	100695	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.50%
11) 1,1-Dichloroethene-d2	2.59	63	204356	50.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.78%
21) 2-Butanone-d5	4.67	46	175342	107.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.93%
24) Chloroform-d	5.11	84	187494	50.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.74	65	126484	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.08%
32) Benzene-d6	5.76	84	401148	50.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.84%
36) 1,2-Dichloropropane-d6	6.72	67	129976	50.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.86%
41) Toluene-d8	7.93	98	372039	50.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	8.20	79	61118	51.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.06%
47) 2-Hexanone-d5	8.66	63	137724	110.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.36%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	184687	51.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.66%
64) 1,2-Dichlorobenzene-d4	12.21	152	119215	51.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	122982	50.273	ug/L 100
3) Chloromethane	1.54	50	139248	49.477	ug/L 100
5) Vinyl chloride	1.62	62	144679	49.839	ug/L 99
6) Bromomethane	1.87	94	81250	54.551	ug/L 99
8) Chloroethane	1.95	64	87845	50.481	ug/L 99
9) Trichlorofluoromethane	2.16	101	153740	49.935	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	92299	50.115	ug/L 100
12) 1,1-Dichloroethene	2.60	96	93833	50.372	ug/L 94
13) Acetone	2.66	43	167630	100.314	ug/L 99
14) Carbon disulfide	2.82	76	297171	50.421	ug/L 100
15) Methyl Acetate	2.98	43	131190	51.506	ug/L 99
16) Methylene chloride	3.08	84	113899	50.130	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	99186	49.566	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	332739	51.153	ug/L 99
19) 1,1-Dichloroethane	3.91	63	195896	50.380	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	113461	50.708	ug/L 100
22) 2-Butanone	4.75	43	216701	107.539	ug/L 99

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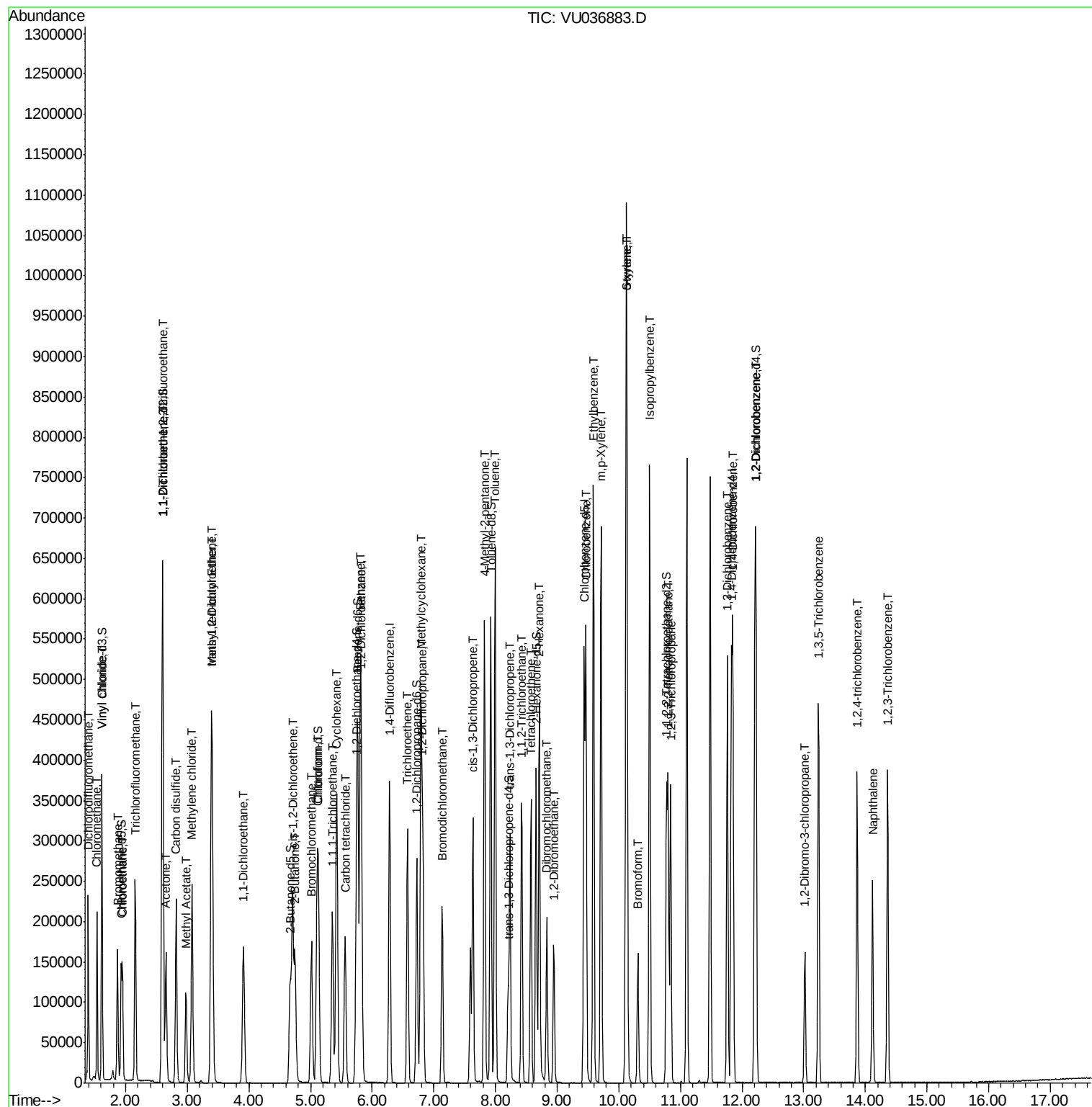
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	51056	50.385	ug/L	98
25) Chloroform	5.13	83	186242	49.641	ug/L	100
27) 1,2-Dichloroethane	5.83	62	156089	51.103	ug/L	100
29) Cyclohexane	5.43	56	185087	51.199	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	148002	50.672	ug/L	99
31) Carbon tetrachloride	5.56	117	116336	50.817	ug/L	99
33) Benzene	5.81	78	436439	50.712	ug/L	100
34) Trichloroethene	6.57	95	107117	50.640	ug/L	98
35) Methylcyclohexane	6.79	83	188878	51.501	ug/L	99
37) 1,2-Dichloropropane	6.82	63	117193	50.574	ug/L	99
38) Bromodichloromethane	7.14	83	139766	51.098	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	185735	52.033	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	363678	106.509	ug/L	100
42) Toluene	8.00	91	470619	51.328	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	161333	52.102	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	103976	50.458	ug/L	99
46) Tetrachloroethene	8.57	164	71675	51.436	ug/L	98
48) 2-Hexanone	8.71	43	295518	108.456	ug/L	98
49) Dibromochloromethane	8.83	129	100392	51.328	ug/L	98
50) 1,2-Dibromoethane	8.95	107	110729	51.386	ug/L	99
51) Chlorobenzene	9.47	112	276041	50.810	ug/L	99
52) Ethylbenzene	9.59	91	506905	50.998	ug/L	99
53) m,p-Xylene	9.71	106	187377	51.392	ug/L	100
54) o-xylene	10.12	106	185490	51.009	ug/L	99
55) Styrene	10.13	104	308611	51.915	ug/L	98
56) Isopropylbenzene	10.50	105	481452	51.547	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	189020	51.309	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	153080	51.352	ug/L	99
61) Bromoform	10.31	173	69344	51.651	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	198431	51.511	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	196107	51.527	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	195714	50.884	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	41495	54.379	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	134905	55.173	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	106363	58.060	ug/L	98
69) Naphthalene	14.12	128	190363	58.865	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	107347	58.638	ug/L	99

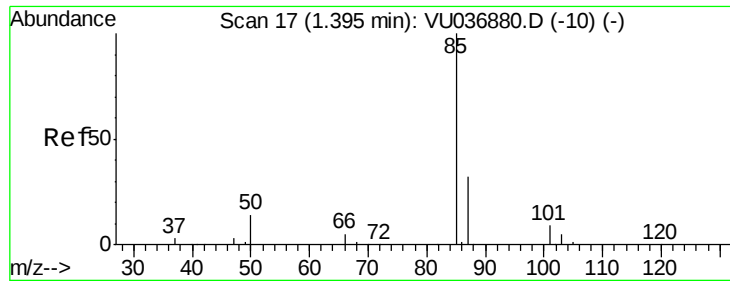
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.273 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

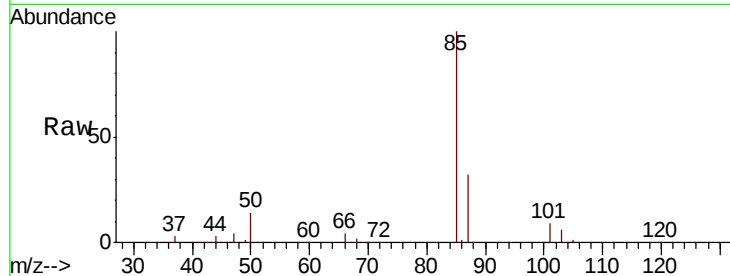
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 122982

Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036883.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036883.D (-10) (-)

1.39

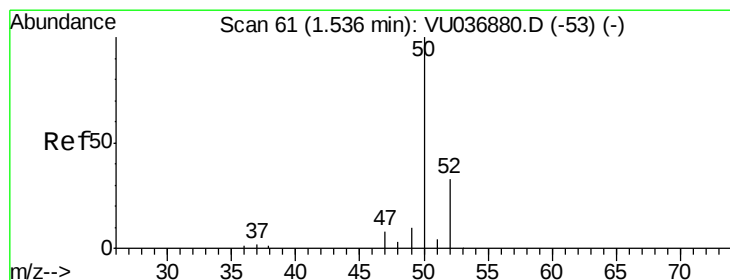
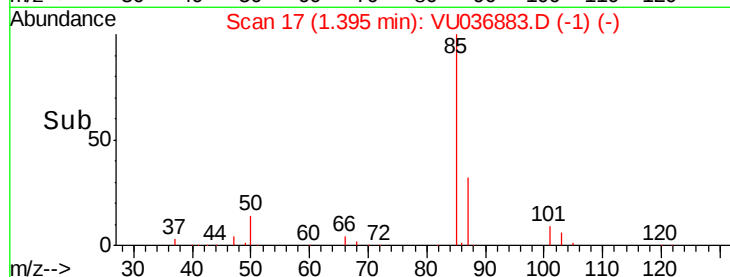
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.477 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036883.D

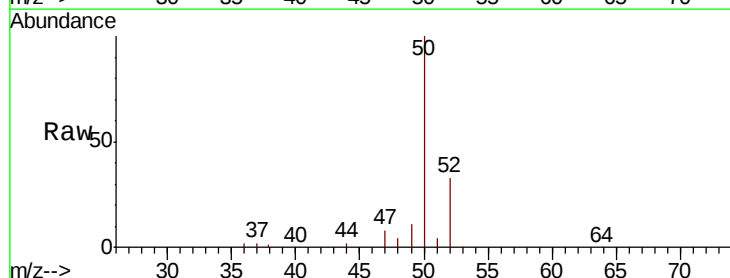
Acq: 24 Feb 2020 14:46

Tgt Ion: 50 Resp: 139248

Ion Ratio Lower Upper

50 100

52 32.6 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036883.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036883.D (-53) (-)

1.54

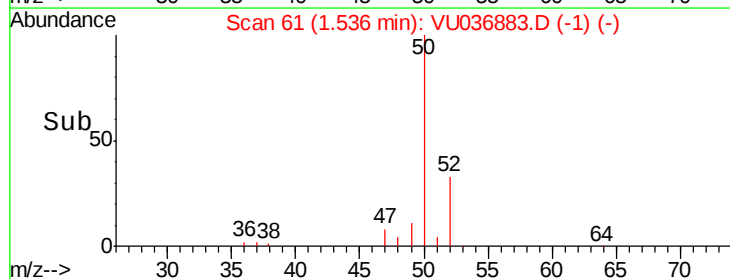
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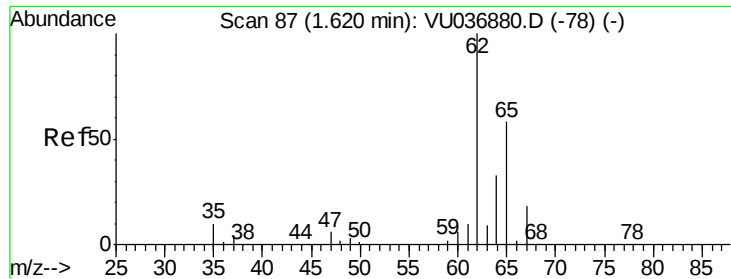
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.839 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

Instrument :

MSVOA_U

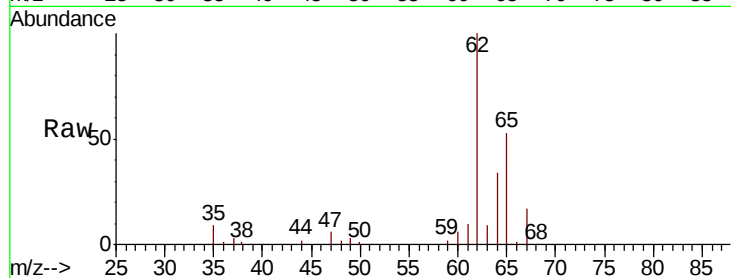
ClientSampleId :

Tot Ion: 62 Resp: 144679

Ion Ratio Lower Upper

62 100

64 33.5 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU036883.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU036883.D (-1) (-)

150000

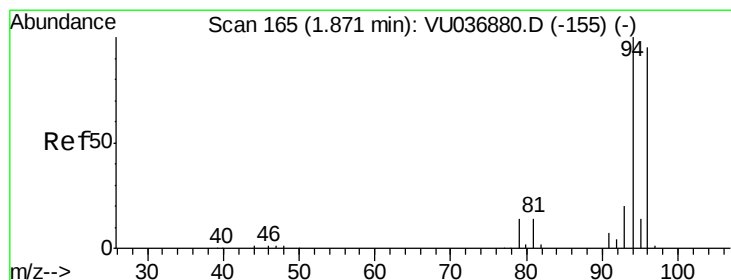
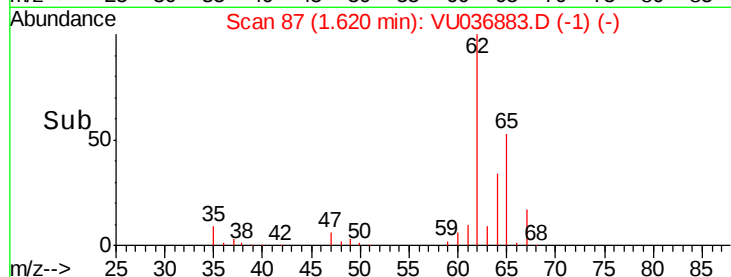
100000

50000

0

1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 54.551 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU036883.D

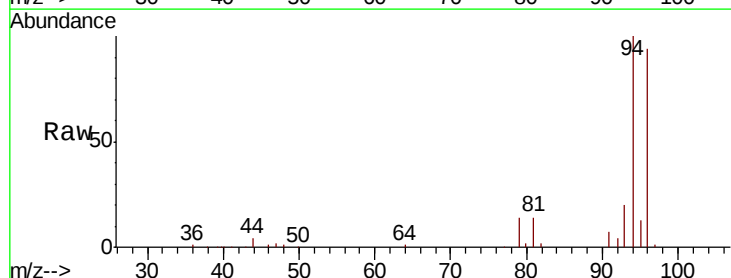
Acq: 24 Feb 2020 14:46

Tgt Ion: 94 Resp: 81250

Ion Ratio Lower Upper

94 100

96 93.9 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU036883.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU036883.D (-72) (-)

60000

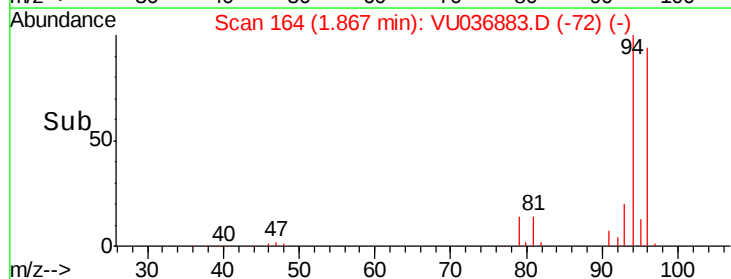
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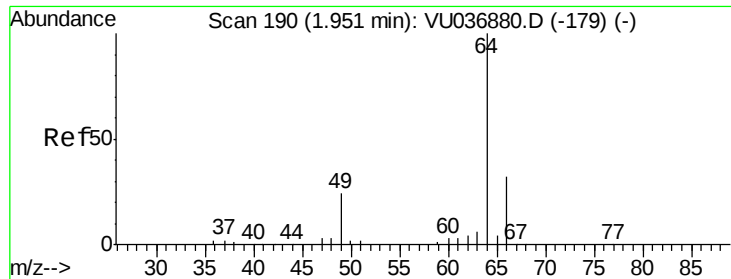
20000

0

1.80 1.85 1.90 1.95

Time-->





#8

Chloroethane

Concen: 50.481 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

Instrument :

MSVOA_U

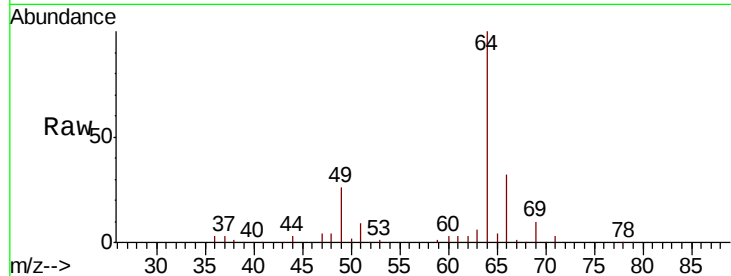
ClientSampleId :

Tot Ion: 64 Resp: 87845

Ion Ratio Lower Upper

64 100

66 31.8 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU036883.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU036883.D (-179) (-)

1.95

60000

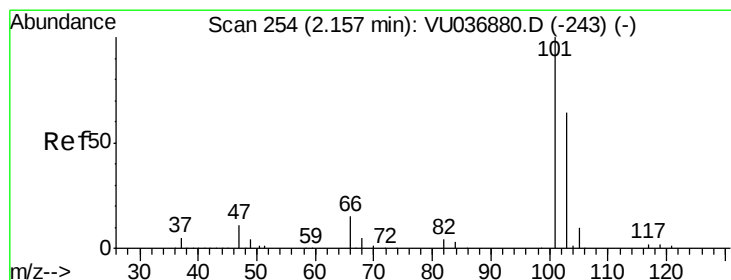
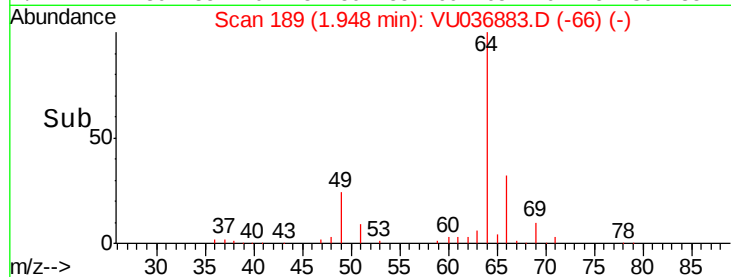
40000

20000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 49.935 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036883.D

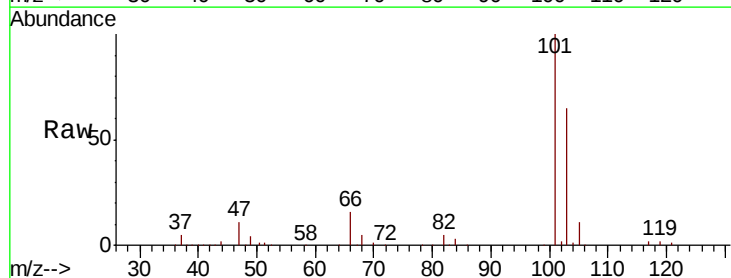
Acq: 24 Feb 2020 14:46

Tgt Ion: 101 Resp: 153740

Ion Ratio Lower Upper

101 100

103 64.2 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VU036883.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036883.D (-243) (-)

2.16

120000

100000

80000

60000

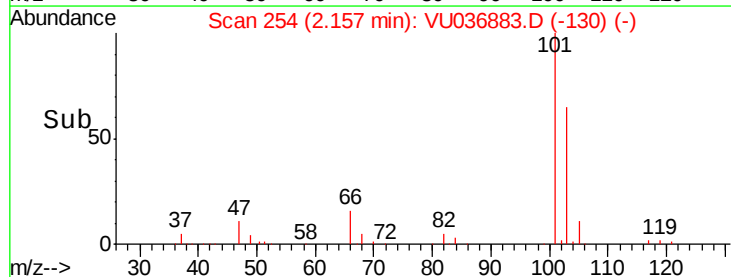
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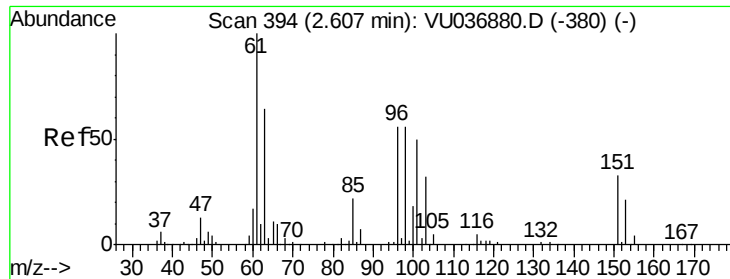
20000

0

2.10 2.15 2.20 2.25

Time-->





#10

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

Concen: 50.115 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

Instrument :

MSVOA_U

ClientSampled :

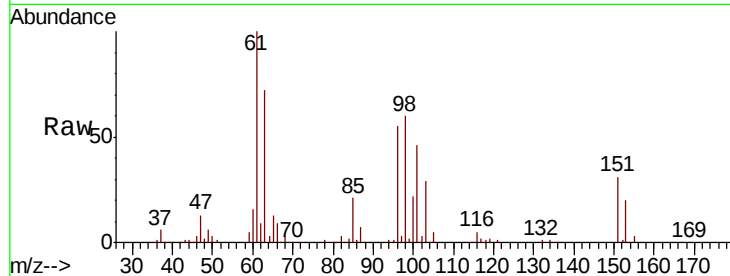
Tot Ion:101 Resp: 92299

Ion Ratio Lower Upper

101 100

85 45.4 36.4 54.6

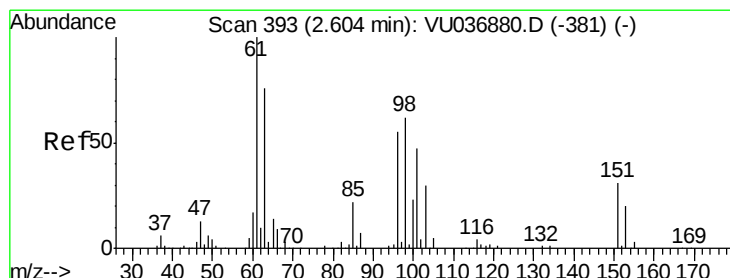
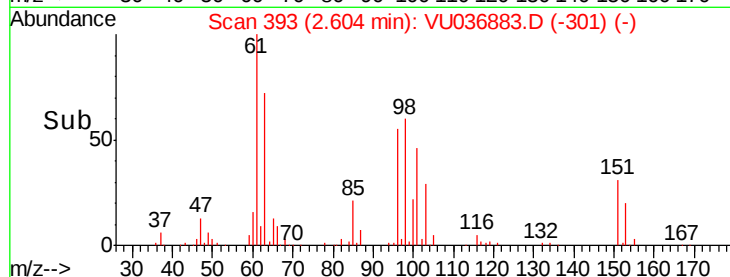
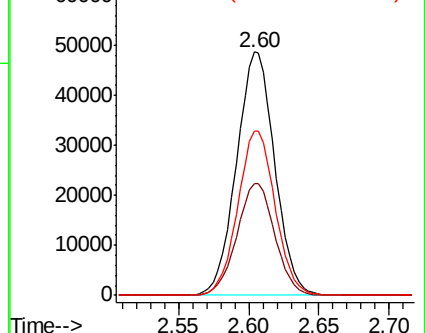
151 66.1 52.4 78.6



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: 50.372 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

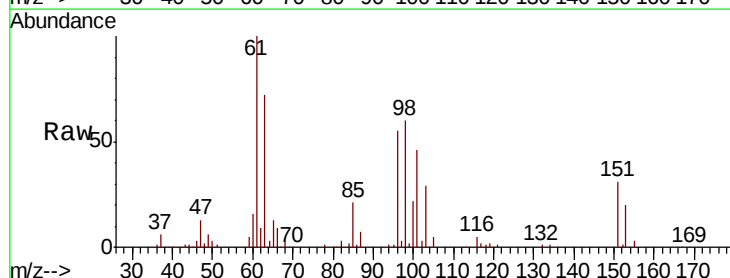
Tgt Ion: 96 Resp: 93833

Ion Ratio Lower Upper

96 100

61 180.7 127.5 236.7

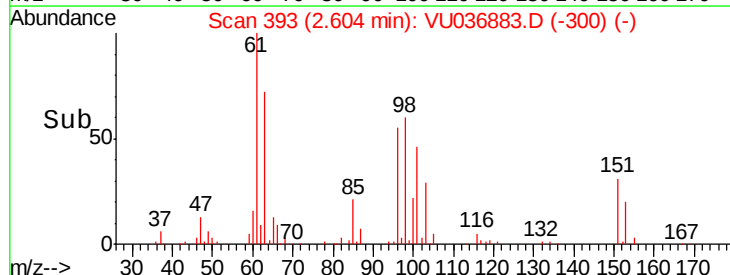
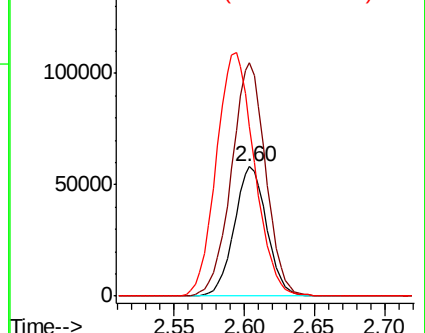
63 130.9 101.4 188.2

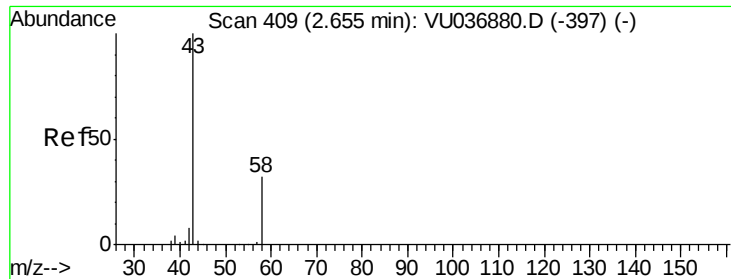


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 100.314 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

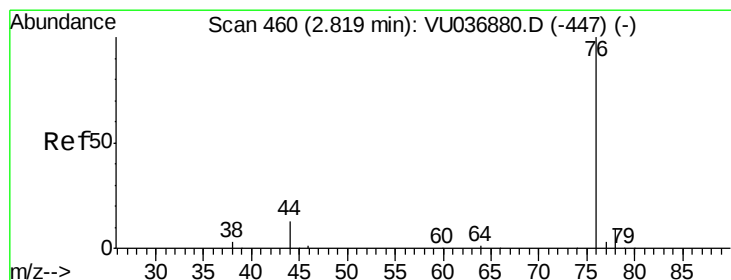
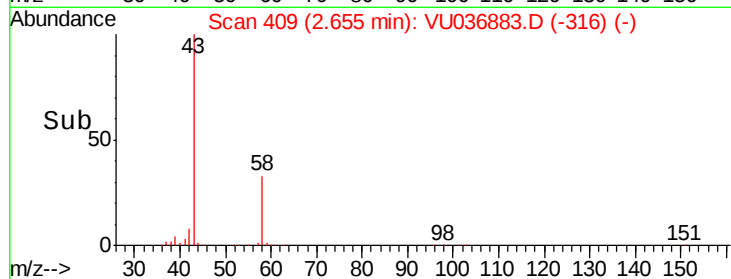
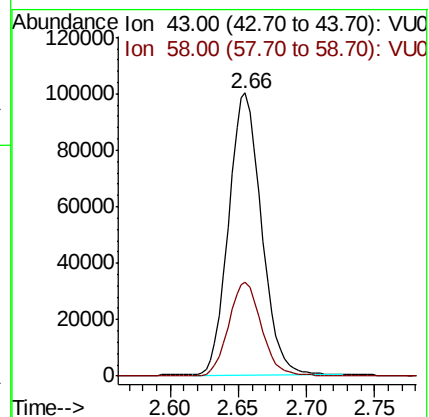
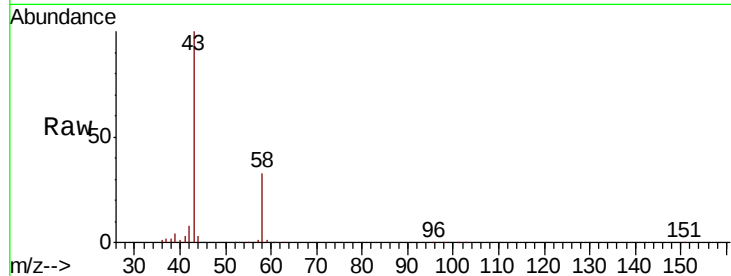
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 167630

Ion Ratio Lower Upper

43 100

58 32.6 0.0 64.6



#14

Carbon disulfide

Concen: 50.421 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036883.D

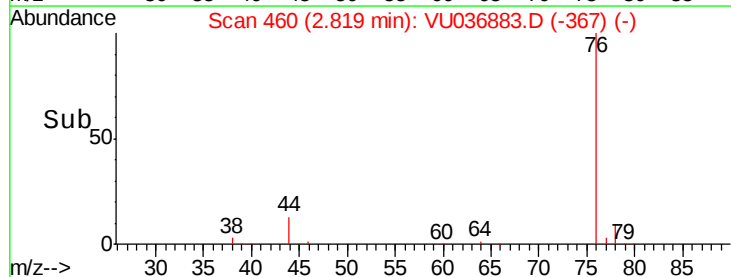
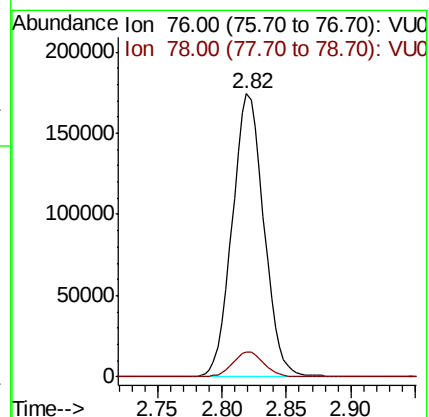
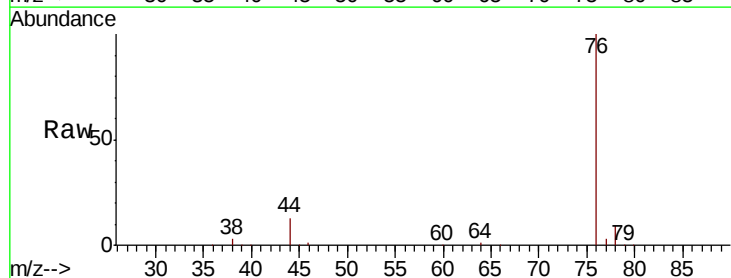
Acq: 24 Feb 2020 14:46

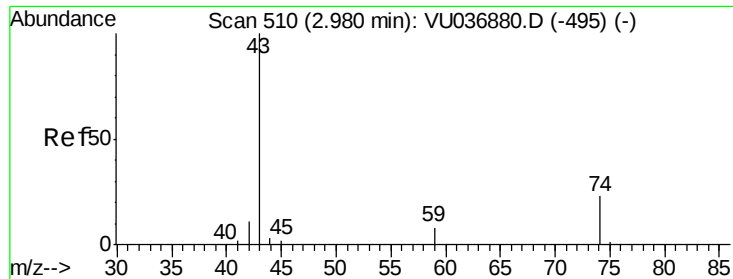
Tgt Ion: 76 Resp: 297171

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

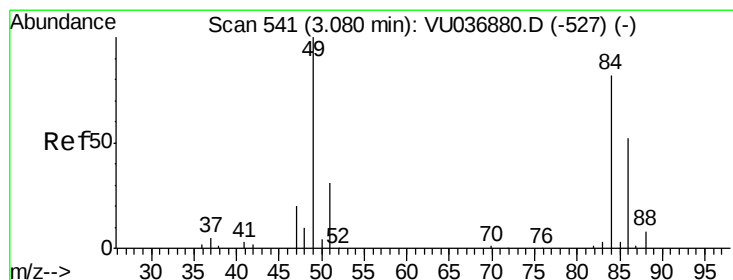
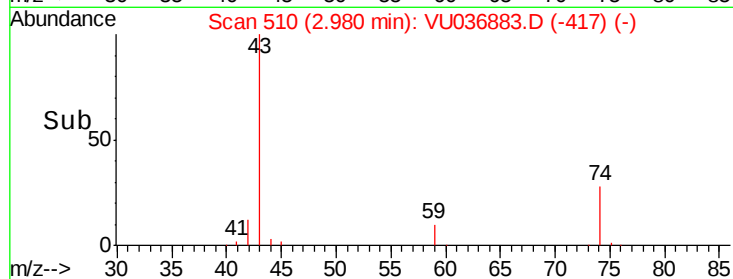
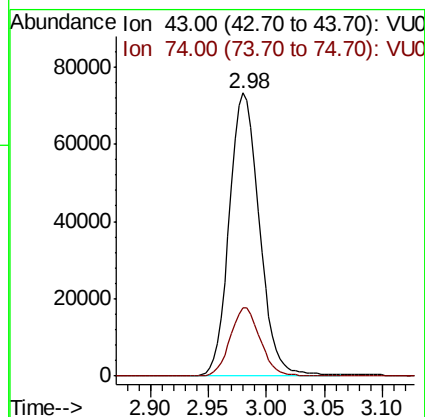
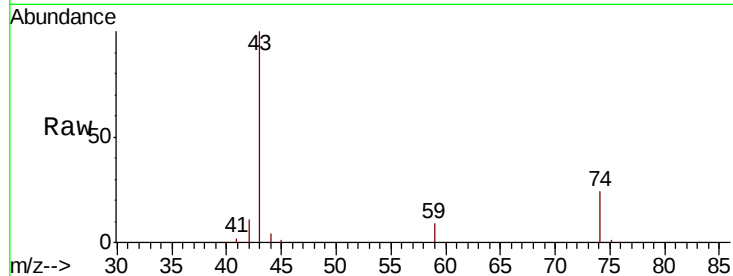




#15
Methyl Acetate
Concen: 51.506 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

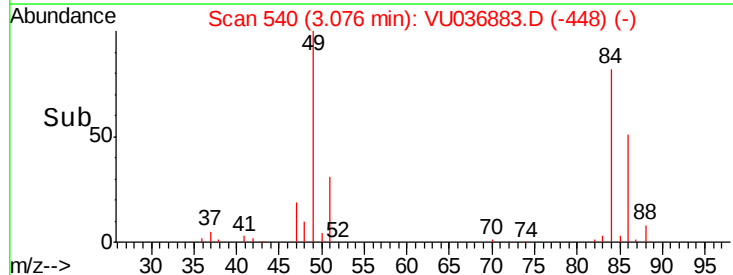
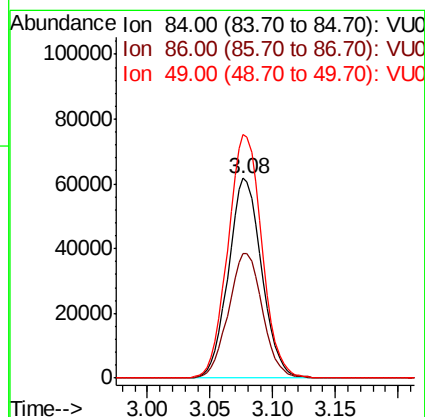
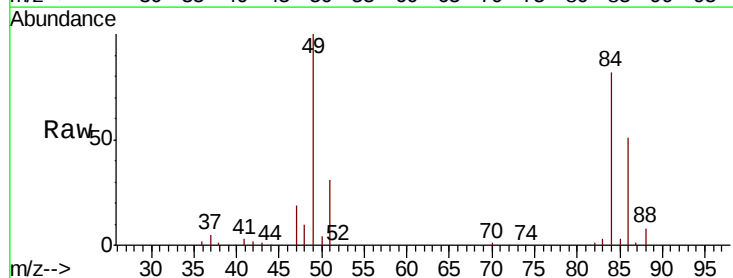
Instrument :
MSVOA_U
ClientSampled :

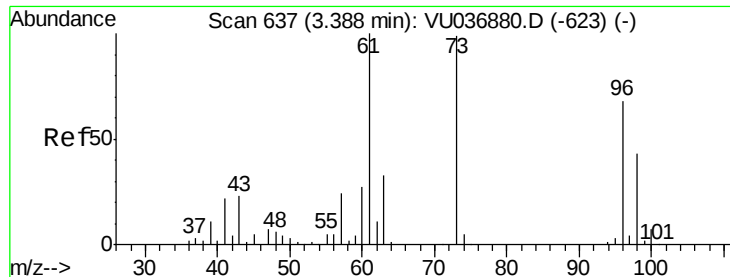
Tot Ion: 43 Resp: 131190
Ion Ratio Lower Upper
43 100
74 24.2 19.0 28.4



#16
Methylene chloride
Concen: 50.130 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

Tgt Ion: 84 Resp: 113899
Ion Ratio Lower Upper
84 100
86 62.5 44.4 82.5
49 121.9 85.9 159.5

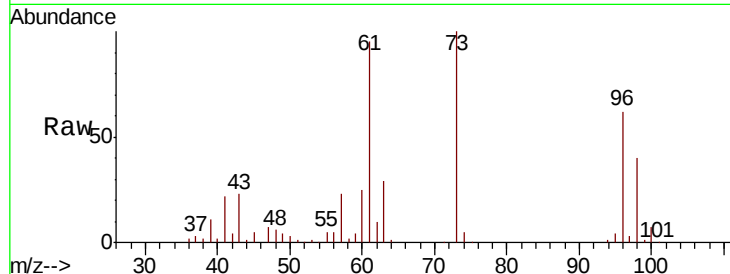




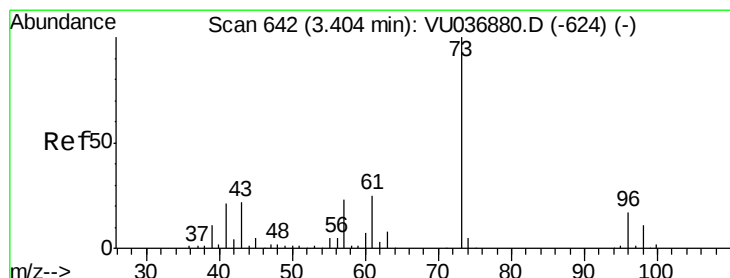
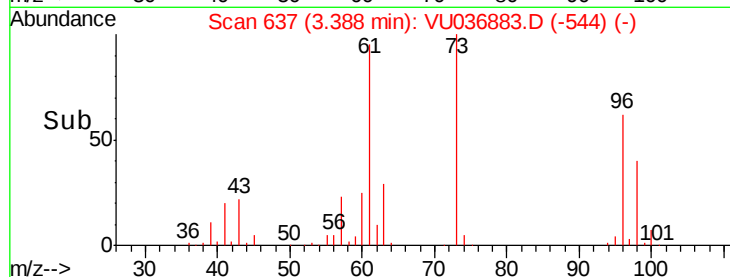
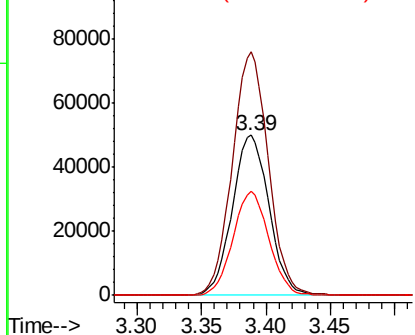
#17
trans-1,2-Dichloroethene
Concen: 49.566 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 99186
Ion Ratio Lower Upper
96 100
61 152.3 103.8 192.8
98 64.9 44.2 82.2

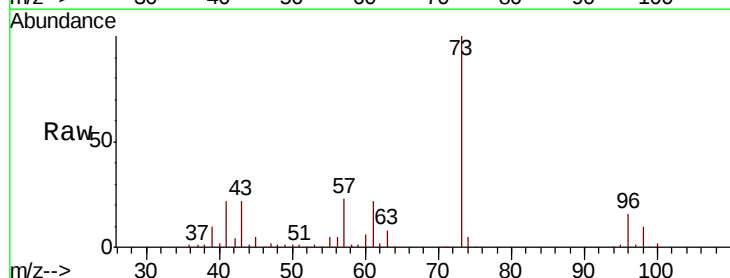


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

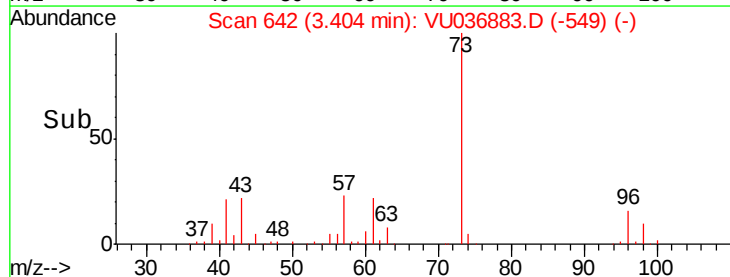
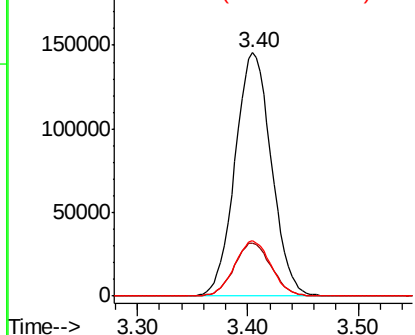


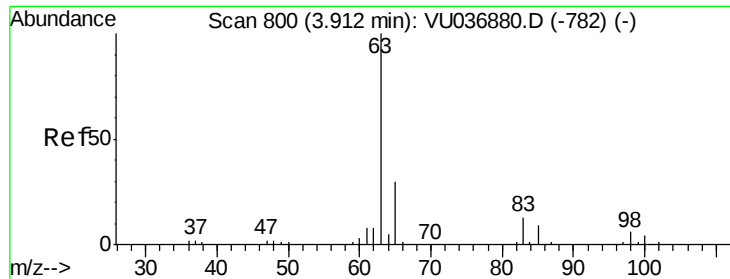
#18
Methyl tert-butyl Ether
Concen: 51.153 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

Tgt Ion: 73 Resp: 332739
Ion Ratio Lower Upper
73 100
43 22.2 18.1 27.1
57 22.8 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

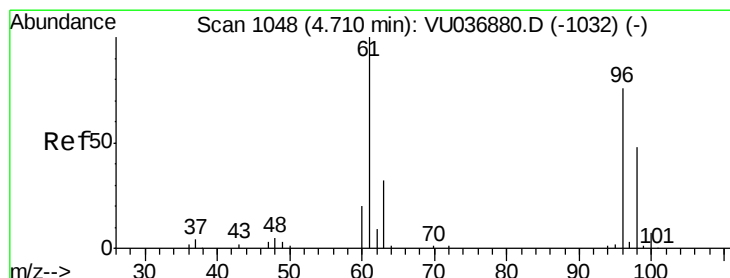
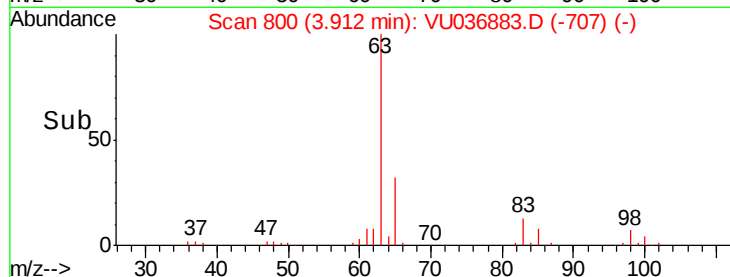
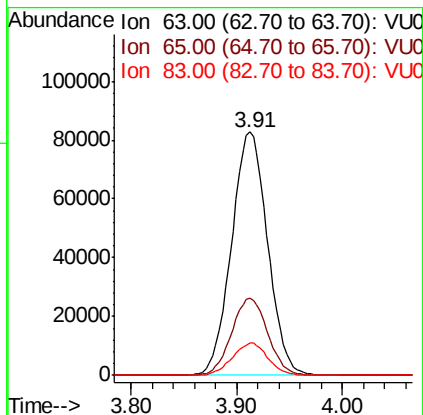
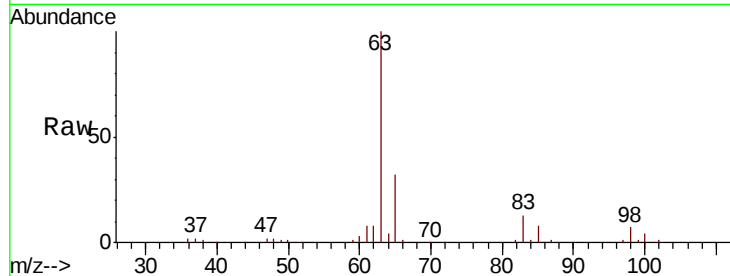




#19
 1,1-Dichloroethane
 Concen: 50.380 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU036883.D
 Acq: 24 Feb 2020 14:46

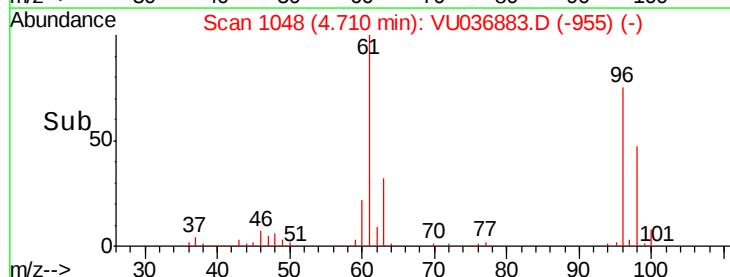
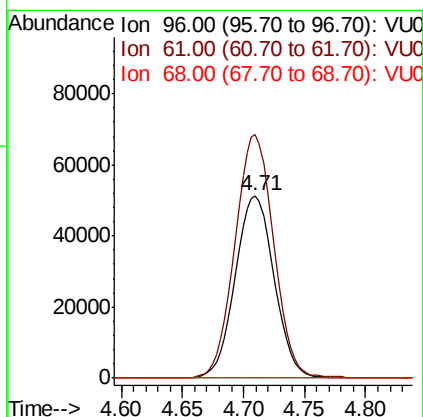
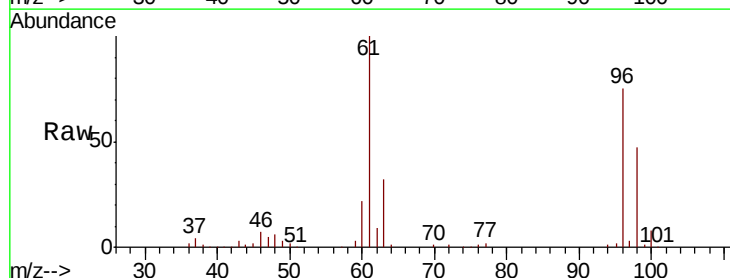
Instrument :
 MSVOA_U
 ClientSampled :

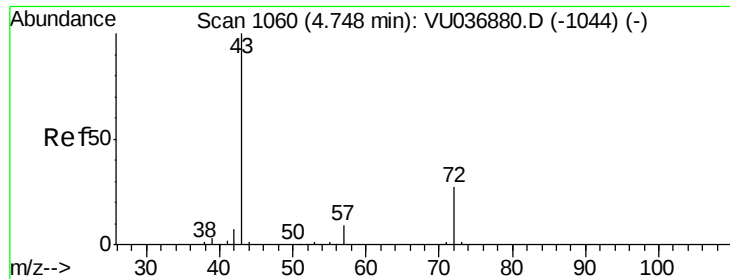
Tot Ion: 63 Resp: 195896
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.3 39.5
 83 13.1 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 50.708 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: VU036883.D
 Acq: 24 Feb 2020 14:46

Tgt Ion: 96 Resp: 113461
 Ion Ratio Lower Upper
 96 100
 61 133.6 93.1 172.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 107.539 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. -0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

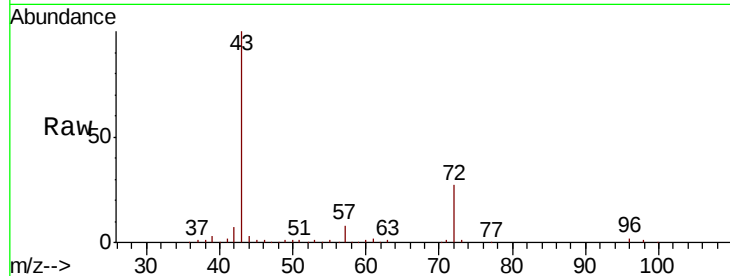
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 216701

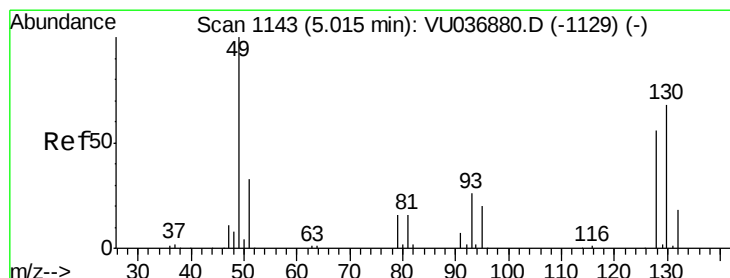
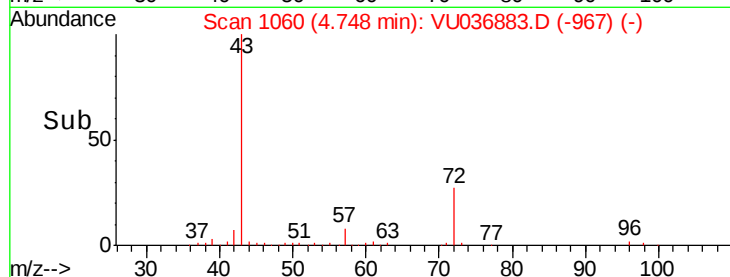
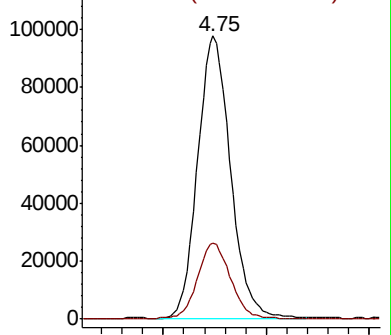
Ion Ratio Lower Upper

43 100

72 27.3 13.9 41.6



Abundance Ion 43.00 (42.70 to 43.70): VU036883.D (-967) (-)



#23

Bromochloromethane

Concen: 50.385 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

Tgt Ion:128 Resp: 51056

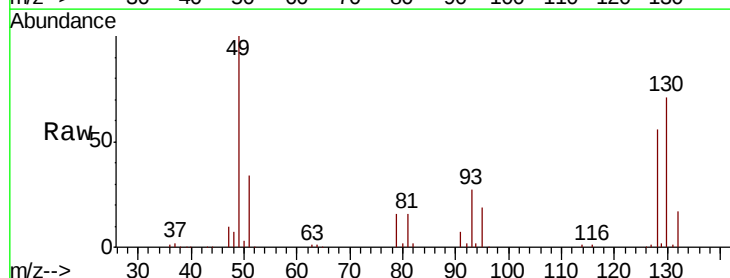
Ion Ratio Lower Upper

128 100

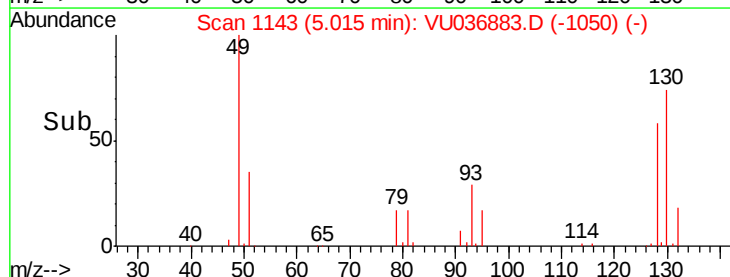
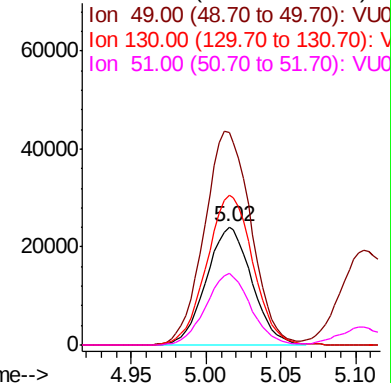
49 180.0 126.5 234.9

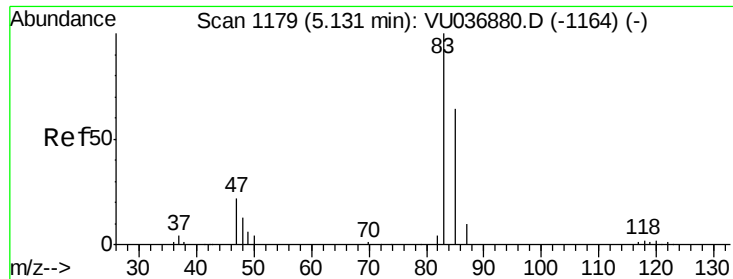
130 127.2 86.0 159.8

51 60.3 47.3 70.9



Abundance Ion 128.00 (127.70 to 128.70): VU036883.D (-1050) (-)

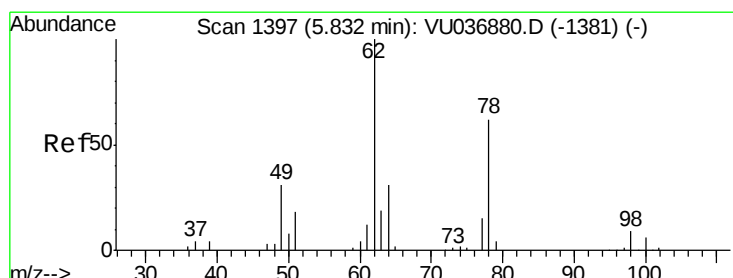
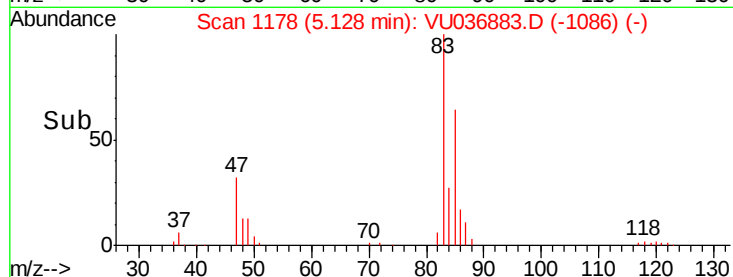
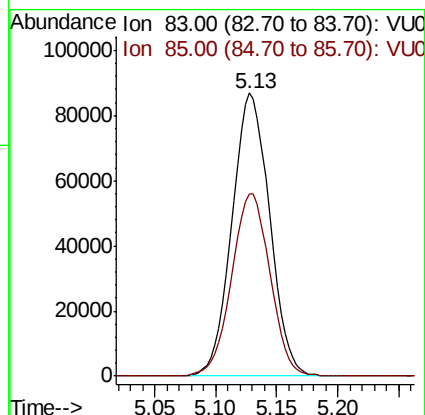
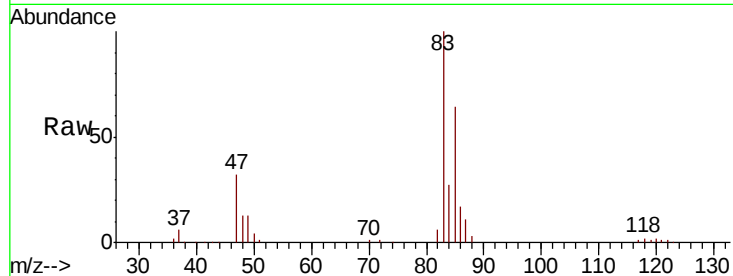




#25
Chloroform
Concen: 49.641 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

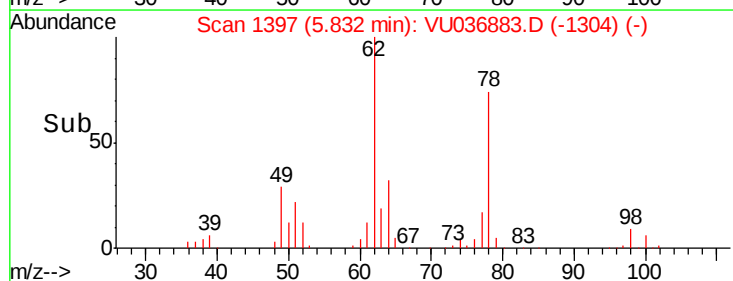
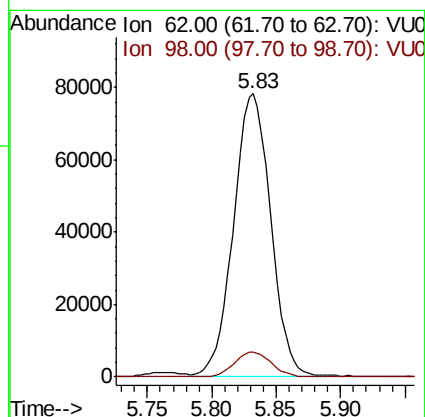
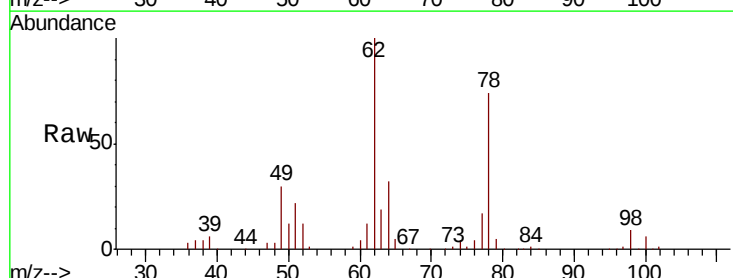
Instrument :
MSVOA_U
ClientSampleId :

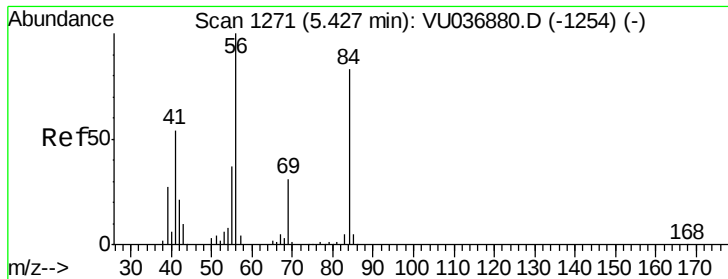
Tot Ion: 83 Resp: 186242
Ion Ratio Lower Upper
83 100
85 64.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 51.103 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

Tgt Ion: 62 Resp: 156089
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7

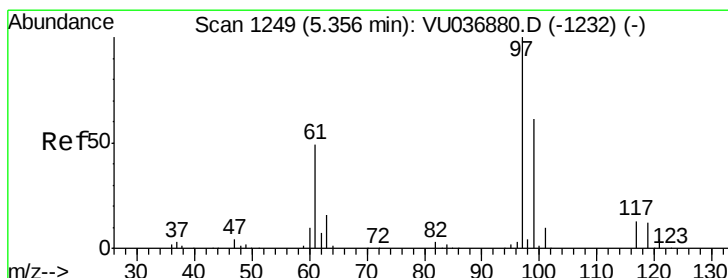
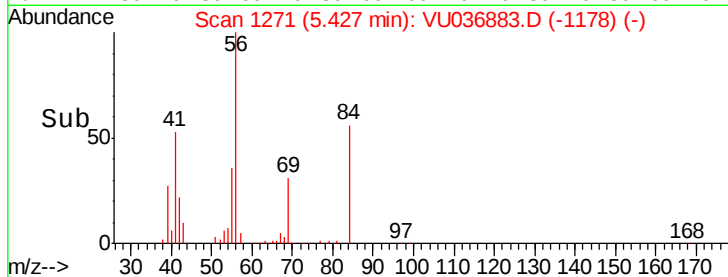
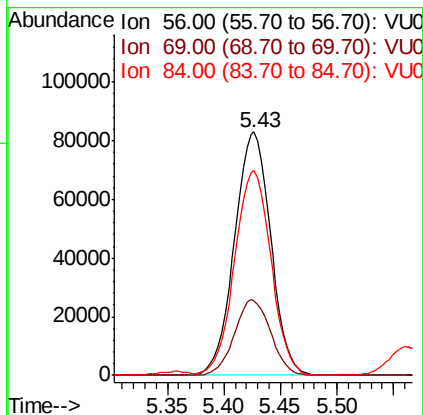
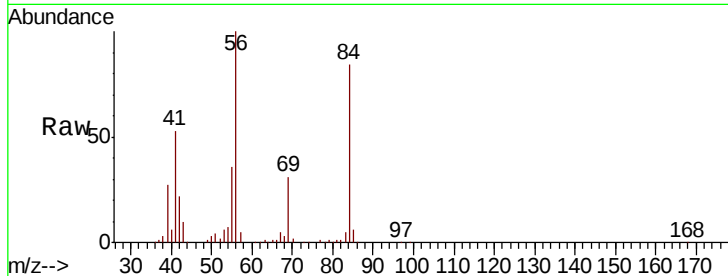




#29
Cyclohexane
Concen: 51.199 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

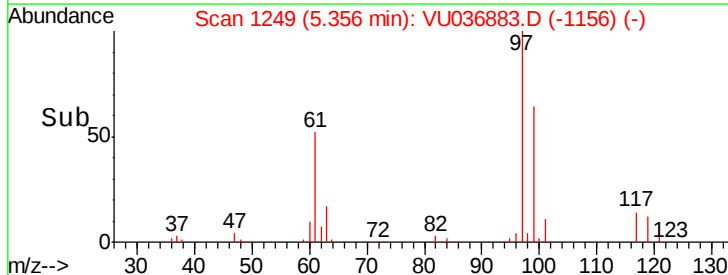
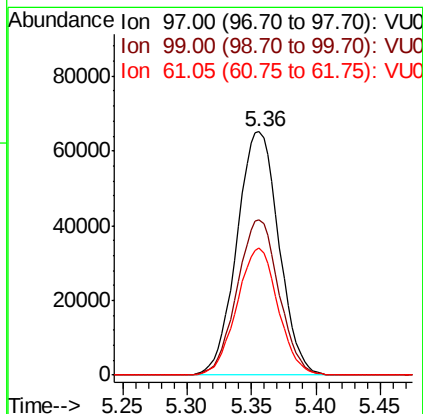
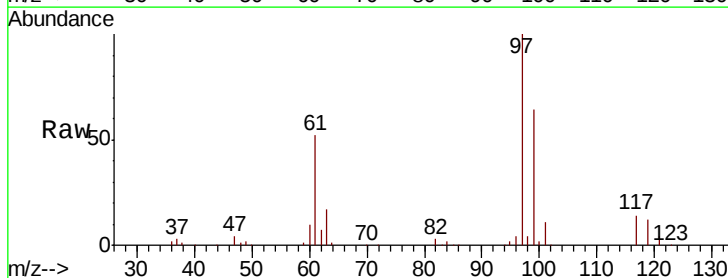
Instrument :
MSVOA_U
ClientSampled :

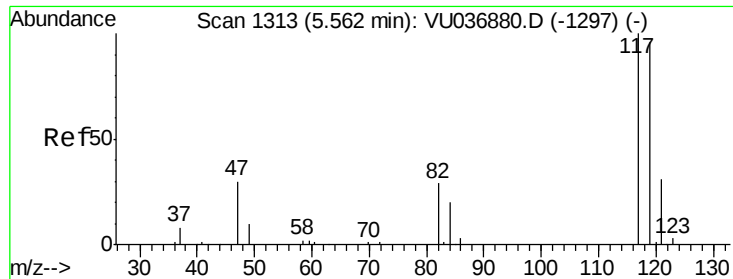
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.6	37.0
84	84.4	67.0	100.4



#30
1,1,1-Trichloroethane
Concen: 50.672 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.4	75.6
61	51.1	40.3	60.5

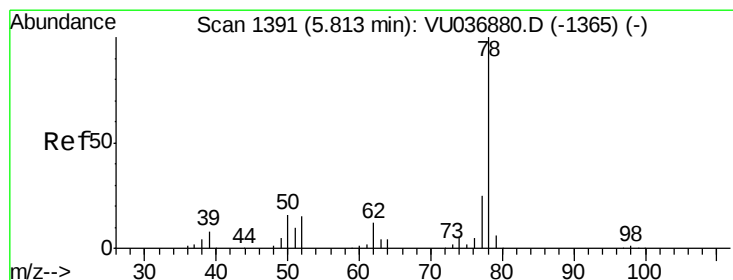
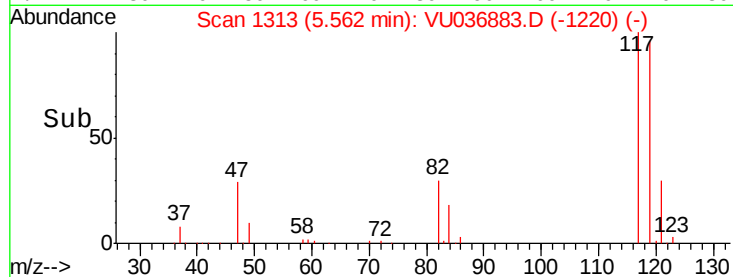
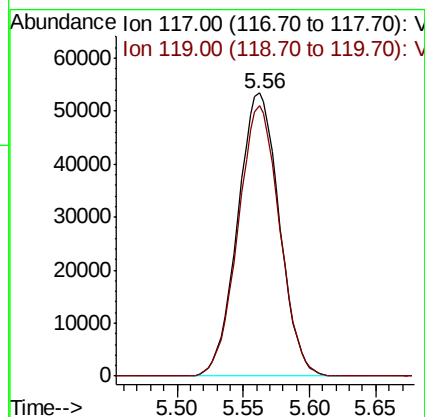
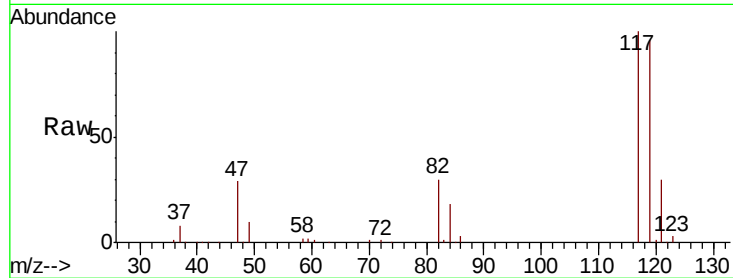




#31
Carbon tetrachloride
Concen: 50.817 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

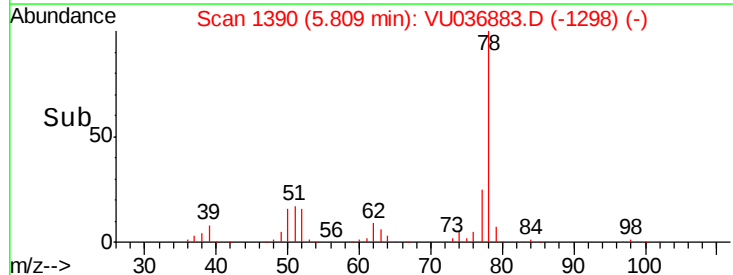
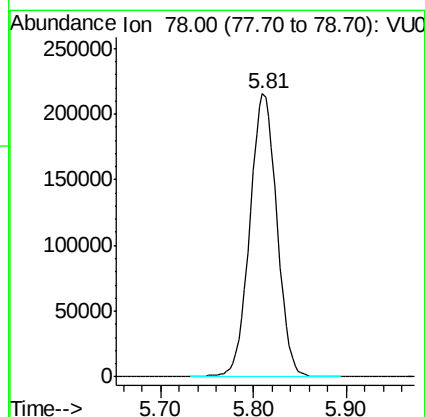
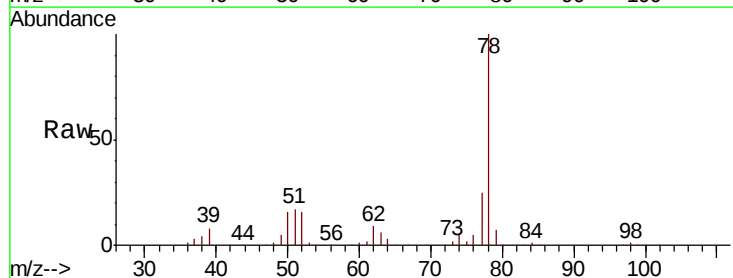
Instrument :
MSVOA_U
ClientSampleId :

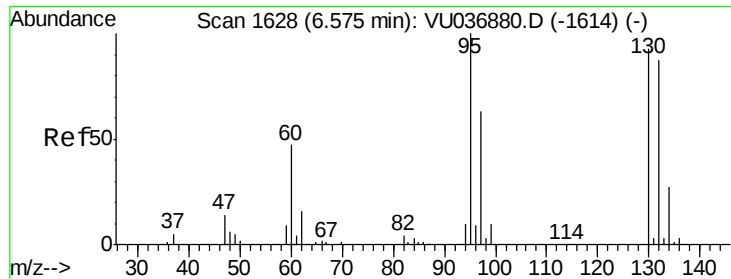
Tot Ion:117 Resp: 116336
Ion Ratio Lower Upper
117 100
119 95.5 77.2 115.8



#33
Benzene
Concen: 50.712 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

Tgt Ion: 78 Resp: 436439

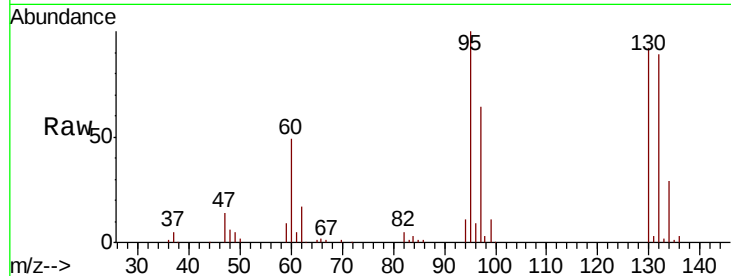




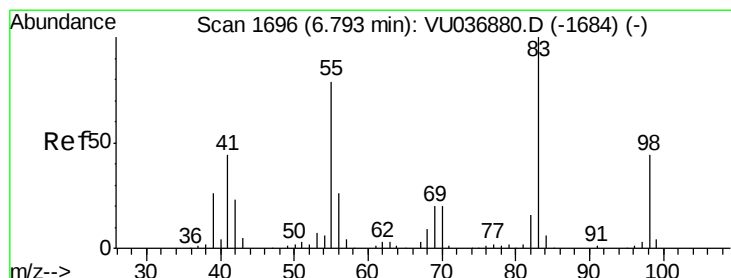
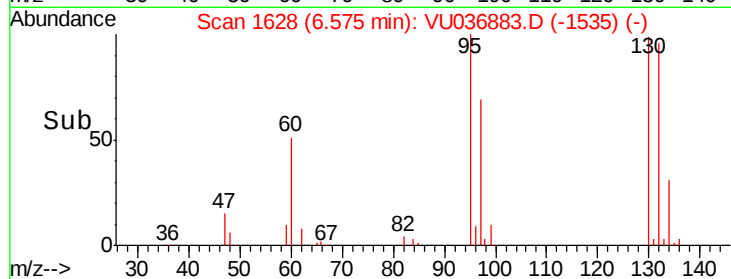
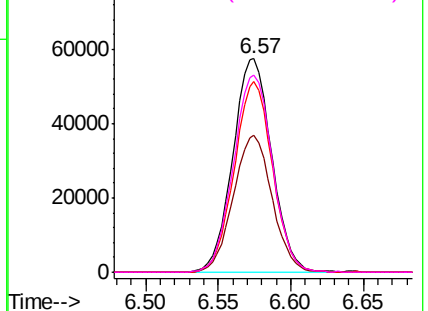
#34
 Trichloroethene
 Concen: 50.640 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU036883.D
 Acq: 24 Feb 2020 14:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 107117
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.1 81.9
 132 89.2 60.6 112.6
 130 92.5 64.9 120.5

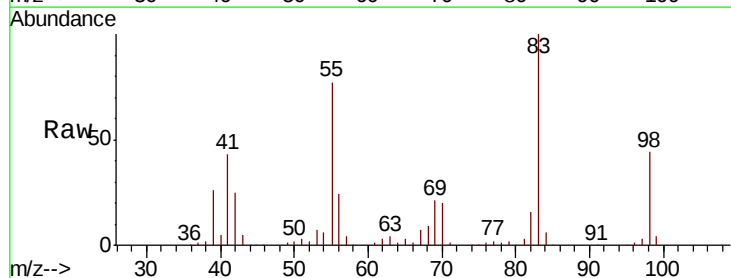


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

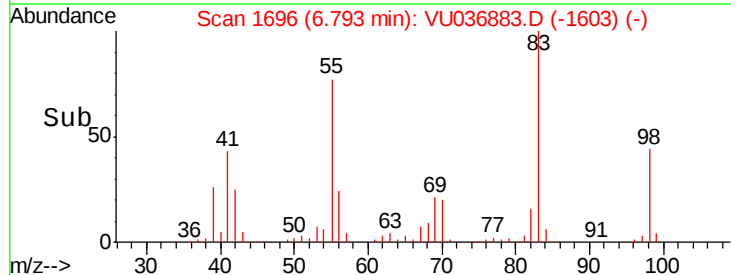
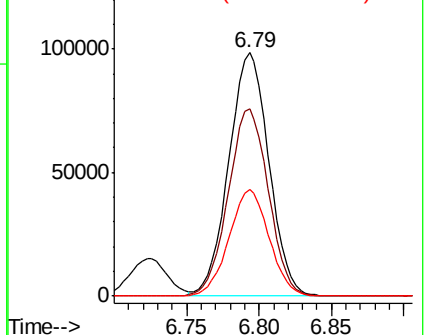


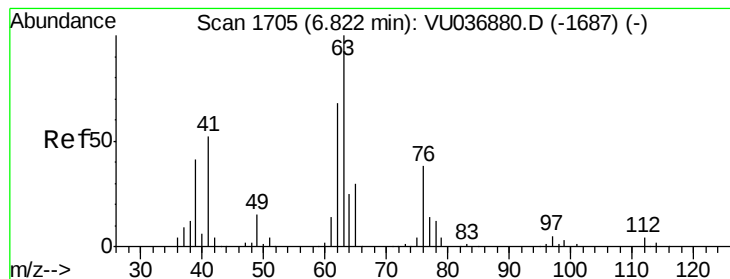
#35
 Methylcyclohexane
 Concen: 51.501 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU036883.D
 Acq: 24 Feb 2020 14:46

Tgt Ion: 83 Resp: 188878
 Ion Ratio Lower Upper
 83 100
 55 77.1 62.6 93.8
 98 43.8 35.1 52.7



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: 50.574 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

Instrument :

MSVOA_U

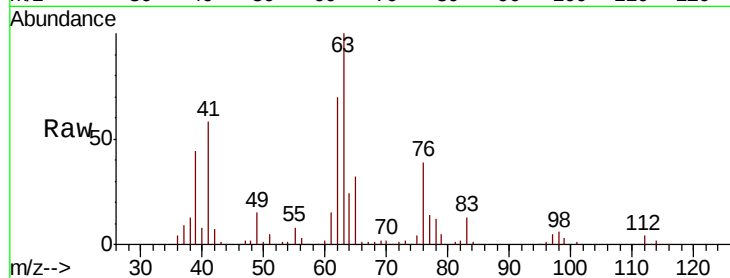
ClientSampleId :

Tot Ion: 63 Resp: 117193

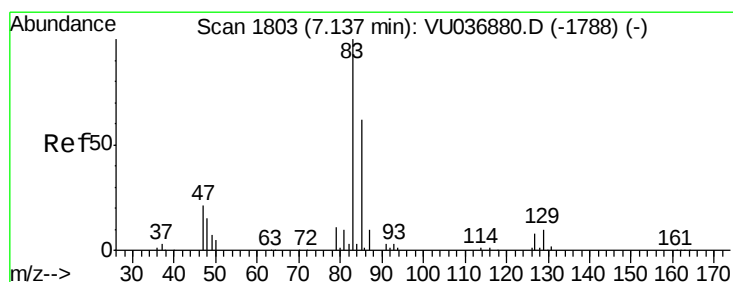
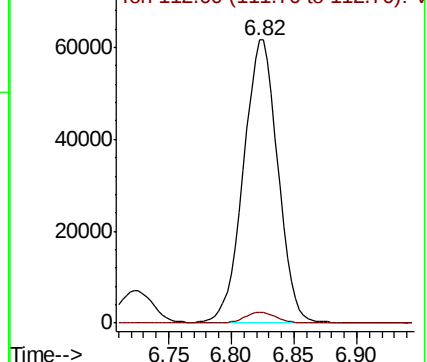
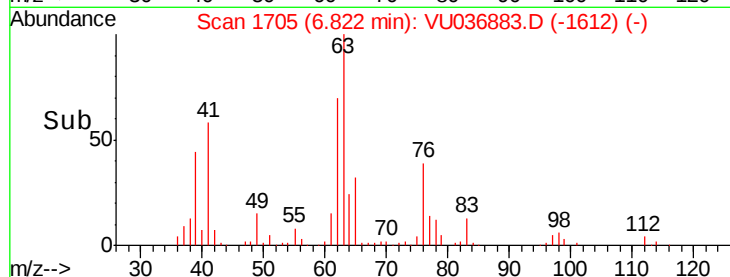
Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VU036883.D (-1612) (-)



#38

Bromodichloromethane

Concen: 51.098 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

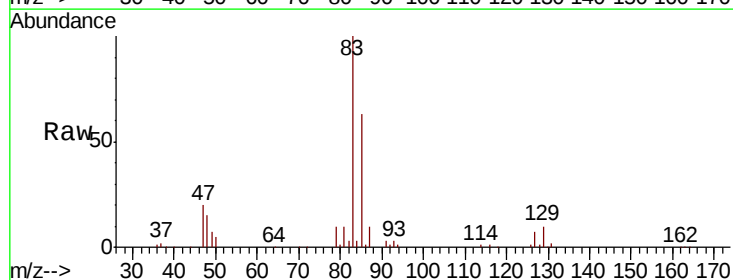
Tgt Ion: 83 Resp: 139766

Ion Ratio Lower Upper

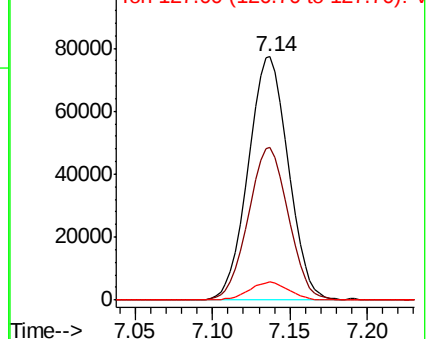
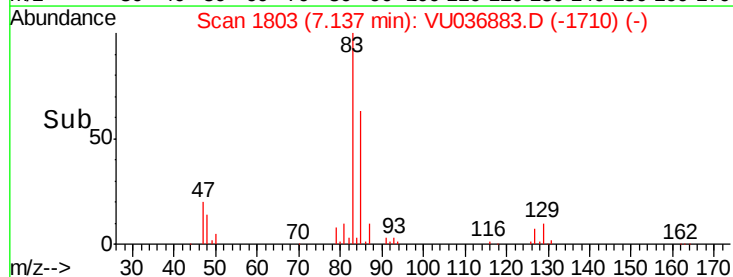
83 100

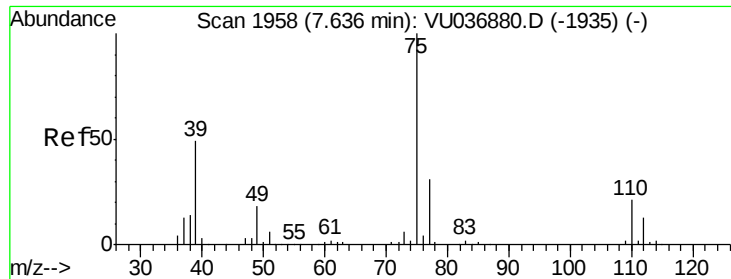
85 62.6 43.6 81.0

127 7.4 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VU036883.D (-1710) (-)

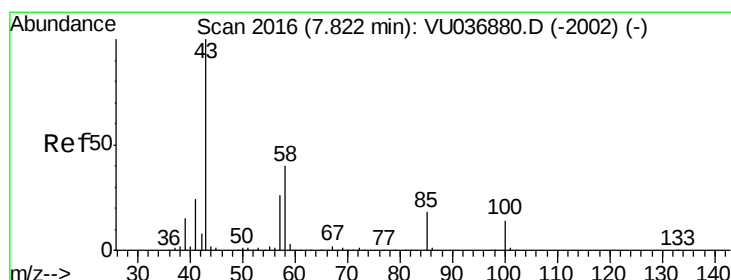
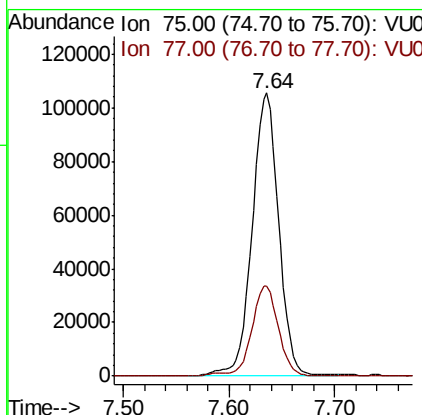
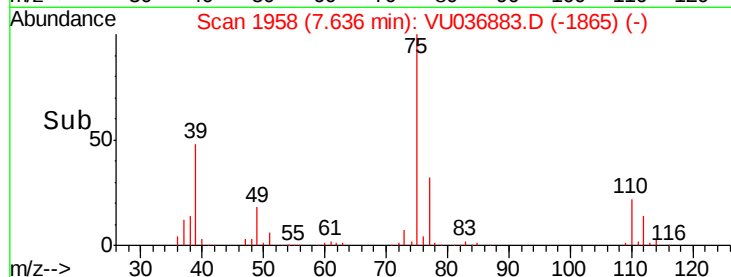
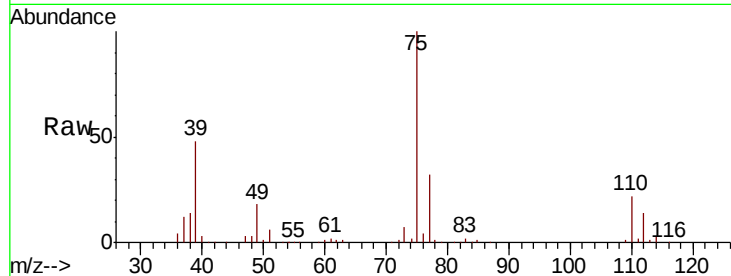




#39
 cis-1,3-Dichloropropene
 Concen: 52.033 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU036883.D
 Acq: 24 Feb 2020 14:46

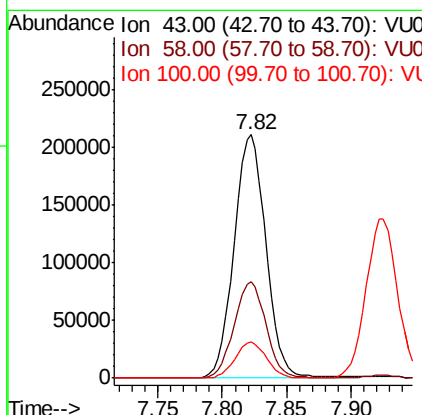
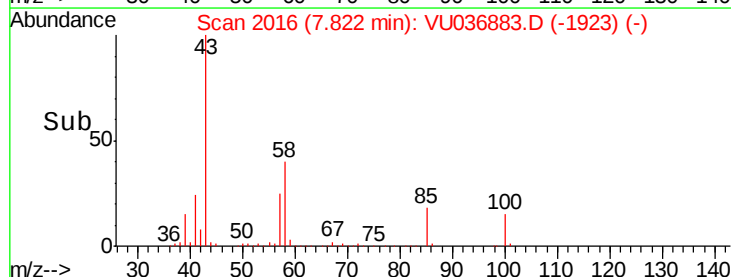
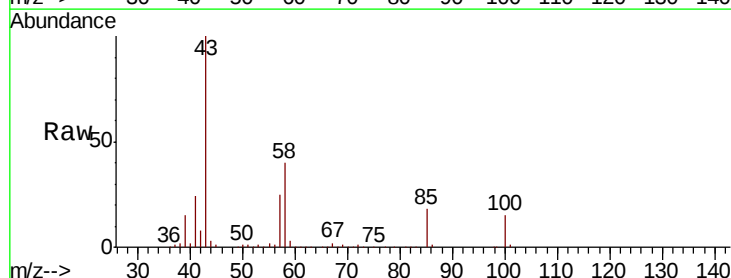
Instrument :
 MSVOA_U
 ClientSampleId :

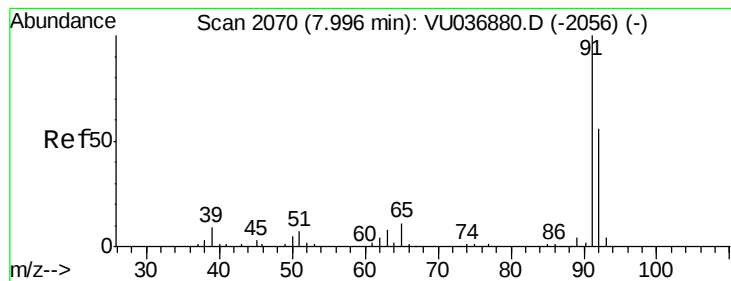
Tot Ion: 75 Resp: 185735
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 106.509 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU036883.D
 Acq: 24 Feb 2020 14:46

Tgt Ion: 43 Resp: 363678
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.8 47.6
 100 14.6 11.5 17.3





#42

Toluene

Concen: 51.328 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

Instrument :

MSVOA_U

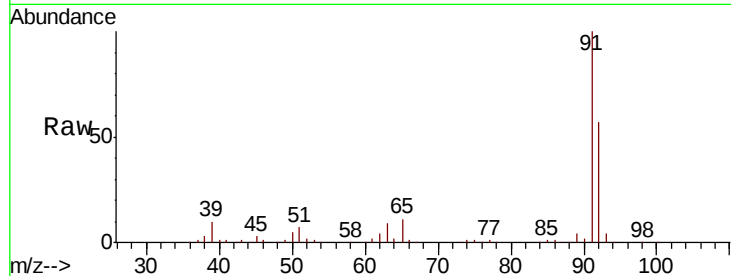
ClientSampleId :

Tot Ion: 91 Resp: 470619

Ion Ratio Lower Upper

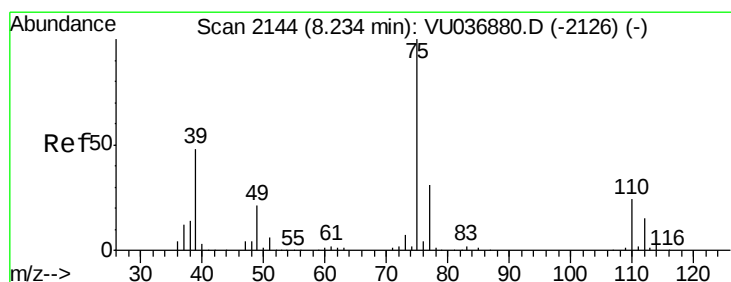
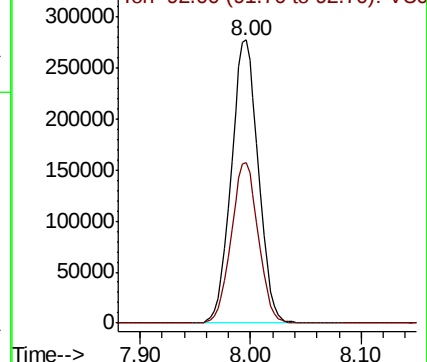
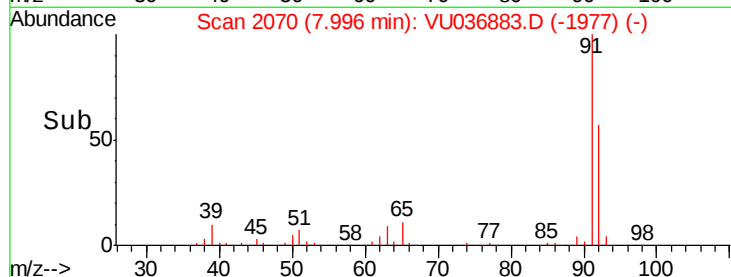
91 100

92 56.8 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU036883.D (-1977) (-)

Ion 92.00 (91.70 to 92.70): VU036883.D (-1977) (-)



#44

trans-1,3-Dichloropropene

Concen: 52.102 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU036883.D

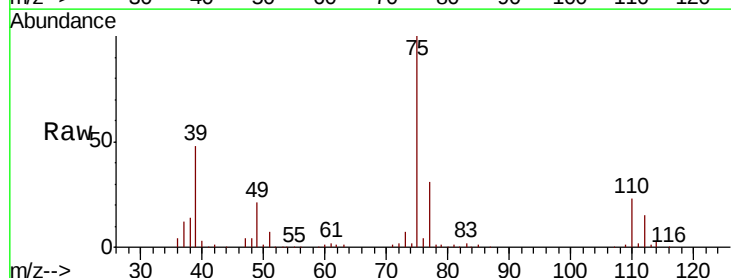
Acq: 24 Feb 2020 14:46

Tgt Ion: 75 Resp: 161333

Ion Ratio Lower Upper

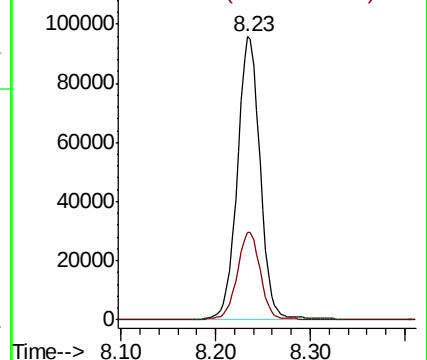
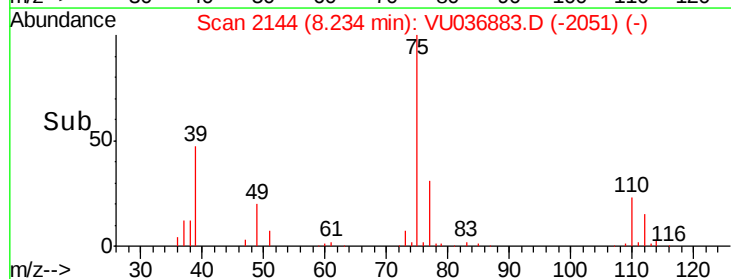
75 100

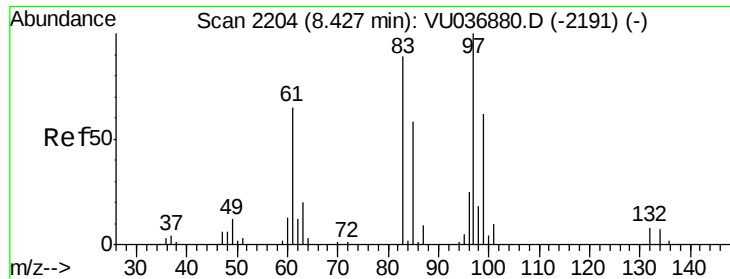
77 30.9 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU036883.D (-2051) (-)

Ion 77.00 (76.70 to 77.70): VU036883.D (-2051) (-)

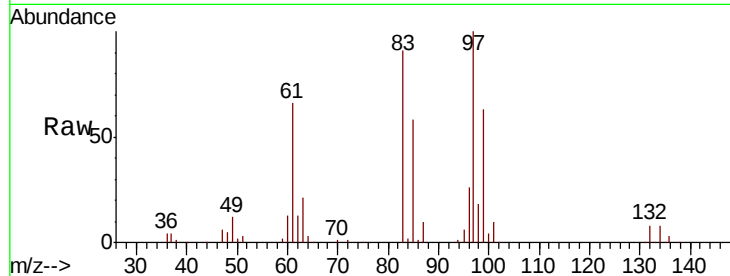




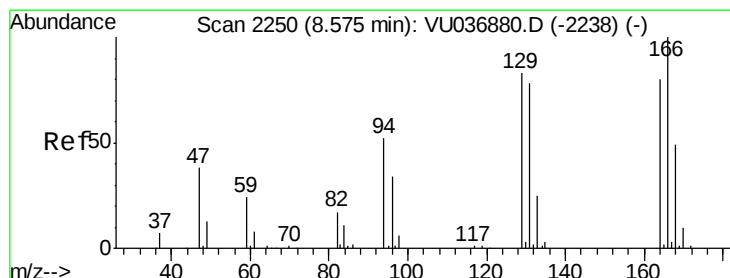
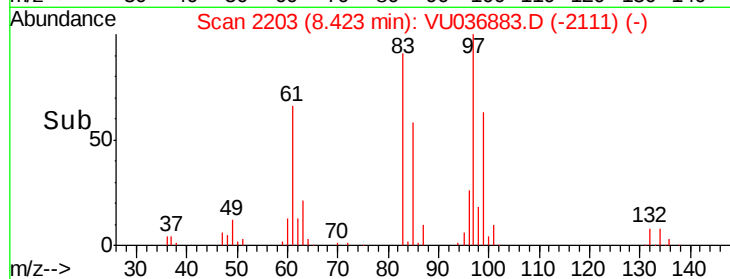
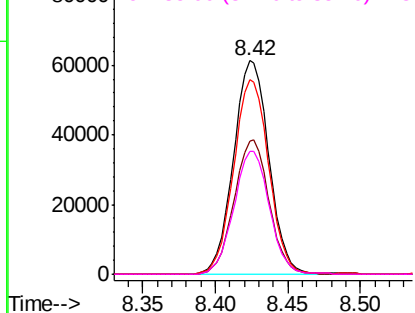
#45
1,1,2-Trichloroethane
Concen: 50.458 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	103976
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.6	81.0
83	91.1	62.7	116.5
85	57.7	40.3	74.9

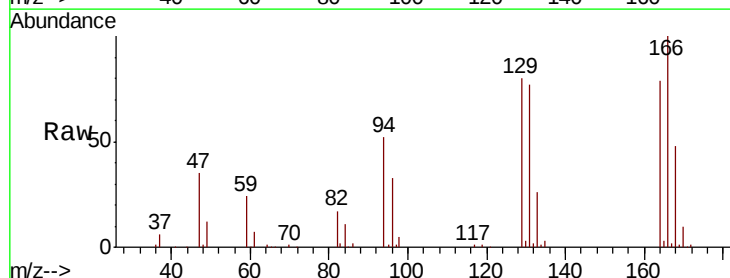


Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

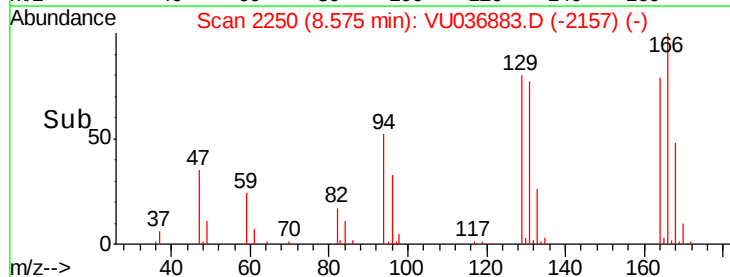
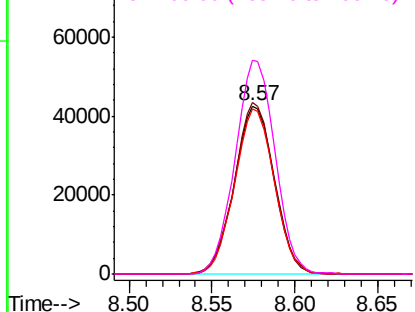


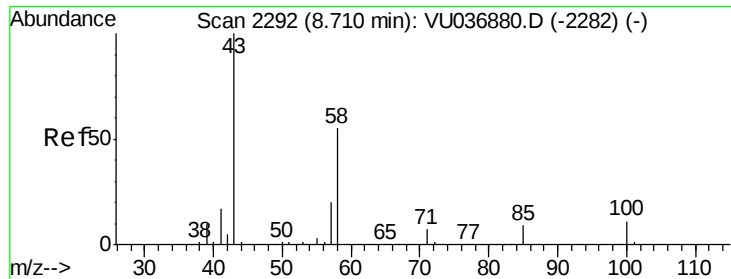
#46
Tetrachloroethene
Concen: 51.436 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

Tgt Ion:	164	Resp:	71675
Ion	Ratio	Lower	Upper
164	100		
129	101.7	72.0	133.8
131	98.4	67.9	126.1
166	127.0	87.1	161.7



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

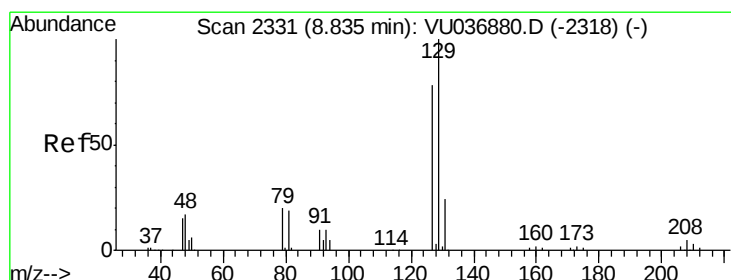
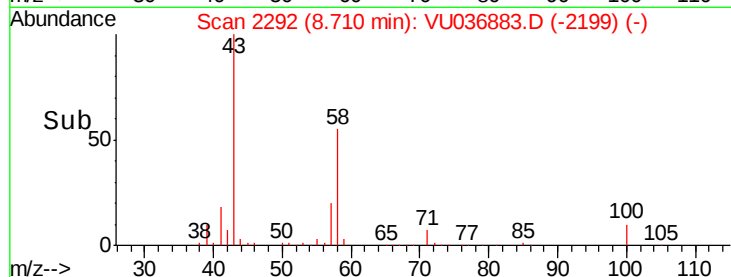
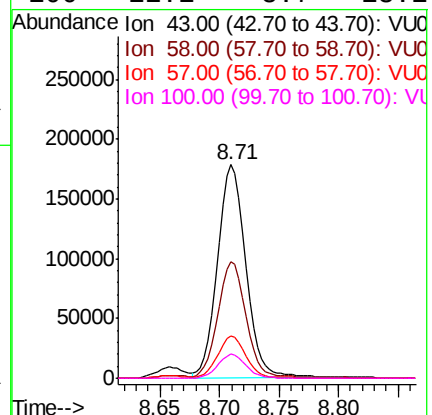
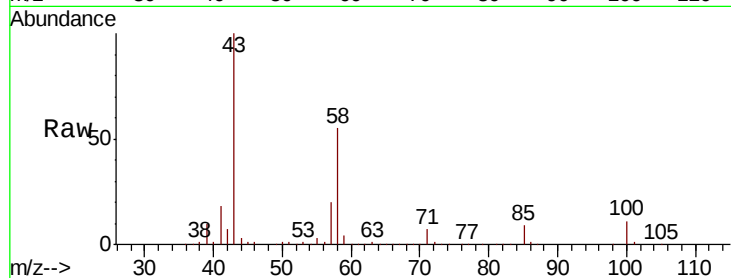




#48
2-Hexanone
Concen: 108.456 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

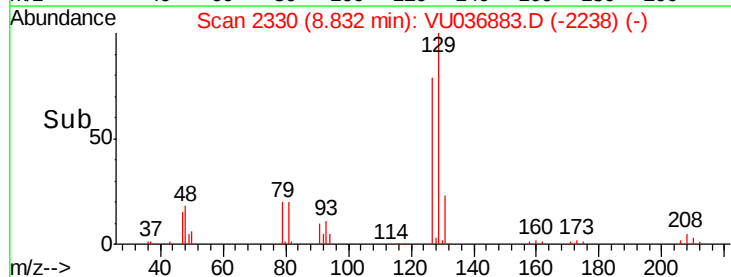
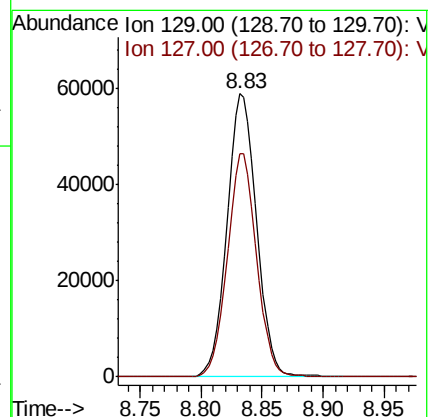
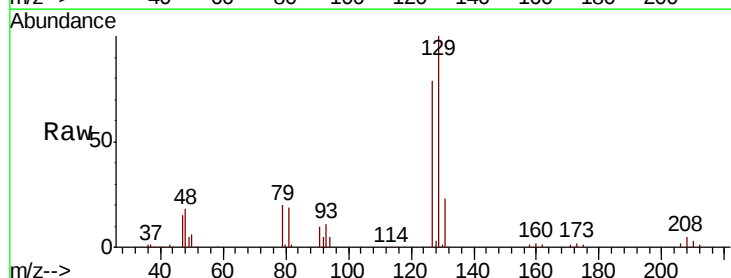
Instrument :
MSVOA_U
ClientSampled :

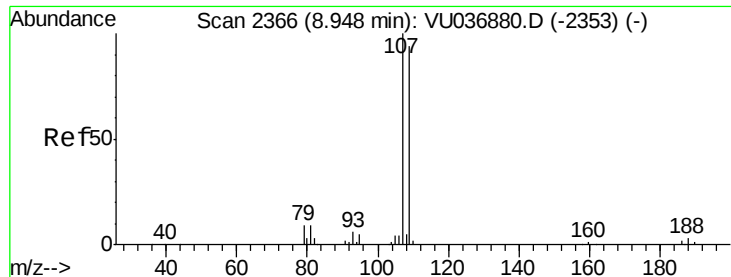
Tot Ion	Ratio	Lower	Upper
43	100		
58	52.5	43.5	65.3
57	19.4	15.1	22.7
100	11.1	8.7	13.1



#49
Dibromochloromethane
Concen: 51.328 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	54.3	100.8

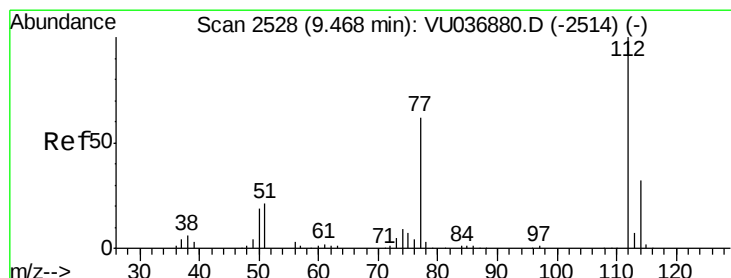
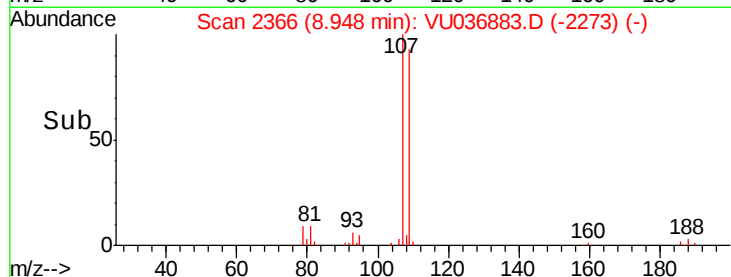
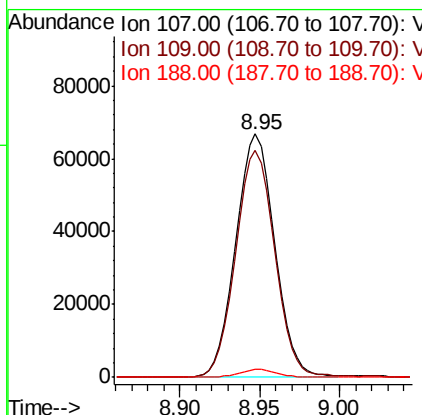
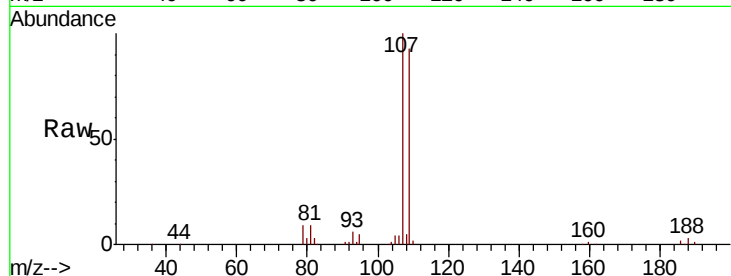




#50
 1,2-Dibromoethane
 Concen: 51.386 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU036883.D
 Acq: 24 Feb 2020 14:46

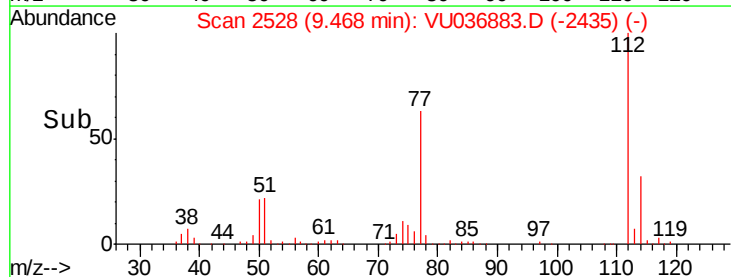
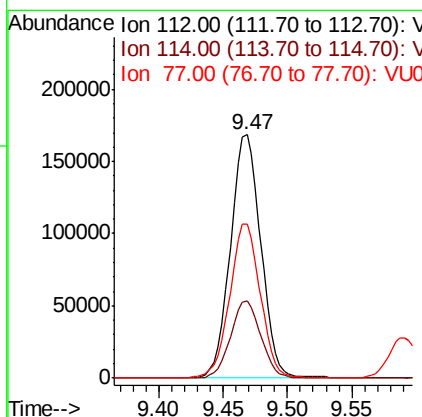
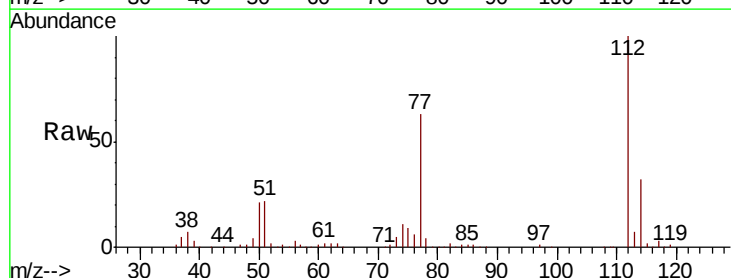
Instrument :
 MSVOA_U
 ClientSampleId :

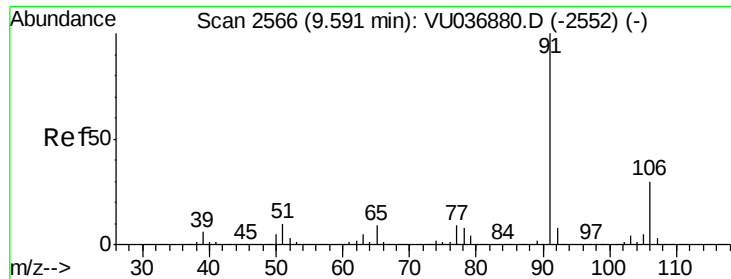
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	65.9	122.5
188	3.1	2.2	3.2



#51
 Chlorobenzene
 Concen: 50.810 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: VU036883.D
 Acq: 24 Feb 2020 14:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.3	41.5
77	63.4	50.1	75.1

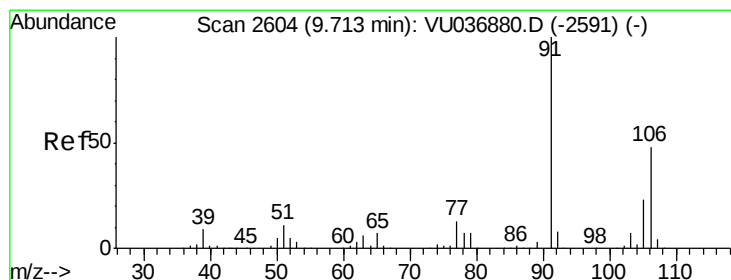
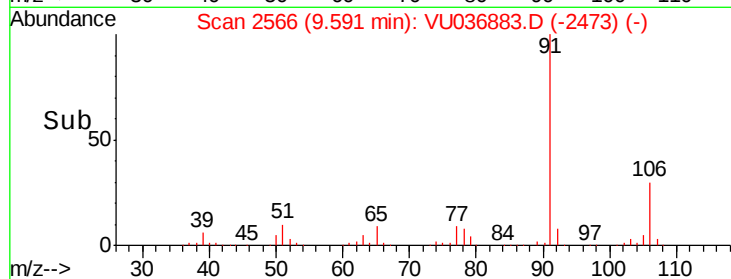
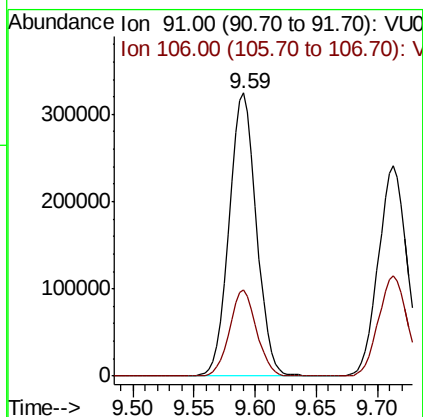
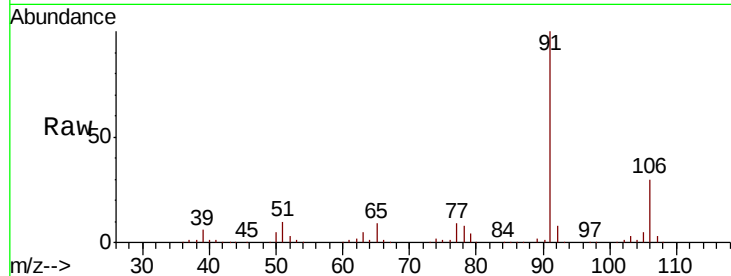




#52
Ethylbenzene
Concen: 50.998 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

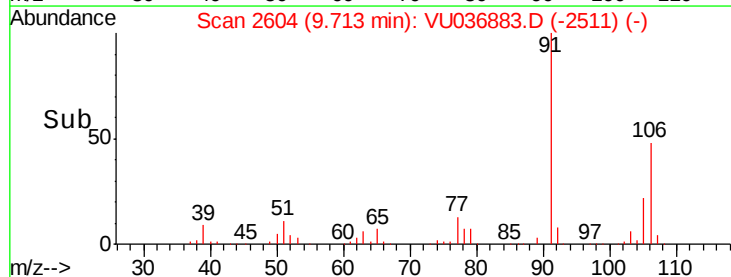
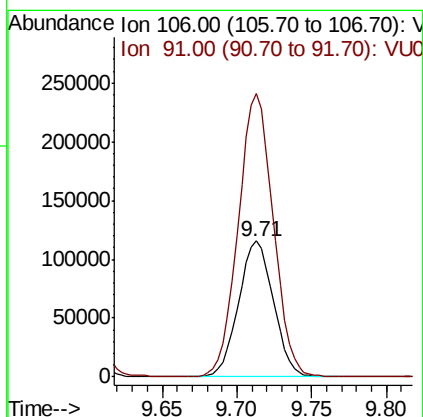
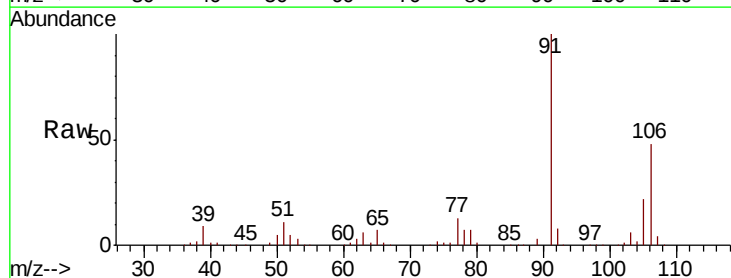
Instrument :
MSVOA_U
ClientSampleId :

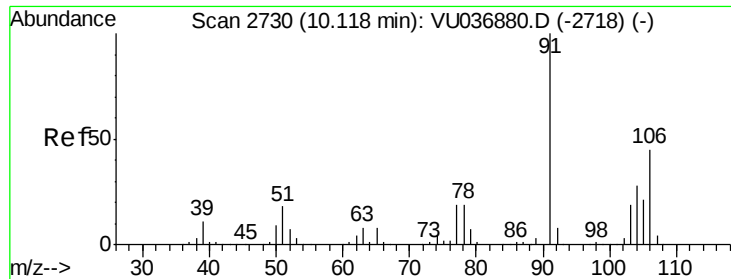
Tot Ion: 91 Resp: 506905
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.1



#53
m,p-Xylene
Concen: 51.392 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU036883.D
Acq: 24 Feb 2020 14:46

Tgt Ion:106 Resp: 187377
Ion Ratio Lower Upper
106 100
91 208.3 145.3 269.9





#54

o-xylene

Concen: 51.009 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

Instrument :

MSVOA_U

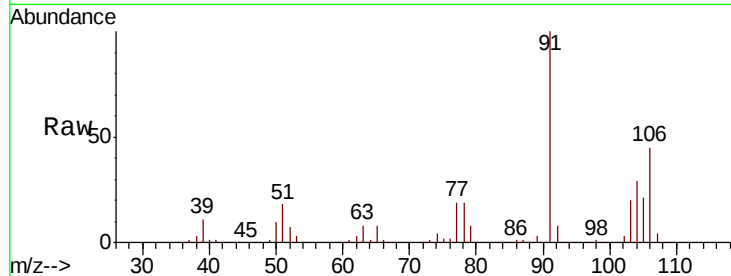
ClientSampleId :

Tot Ion:106 Resp: 185490

Ion Ratio Lower Upper

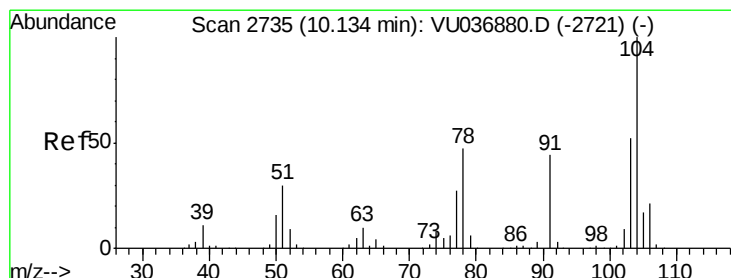
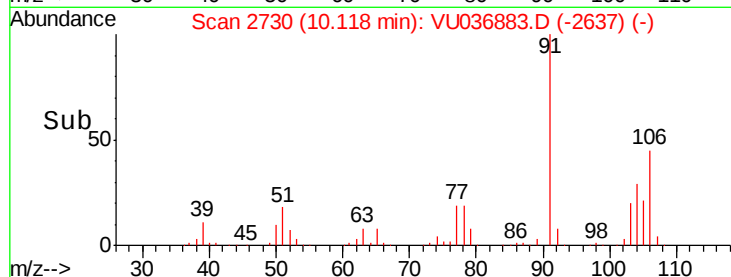
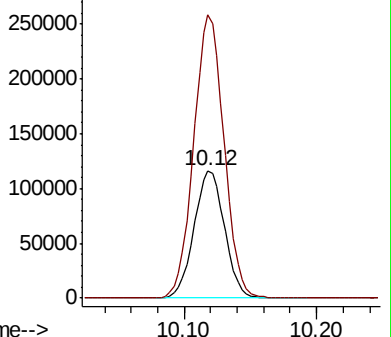
106 100

91 221.7 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.915 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VU036883.D

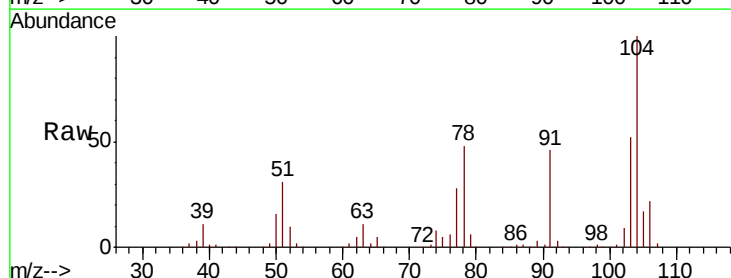
Acq: 24 Feb 2020 14:46

Tgt Ion:104 Resp: 308611

Ion Ratio Lower Upper

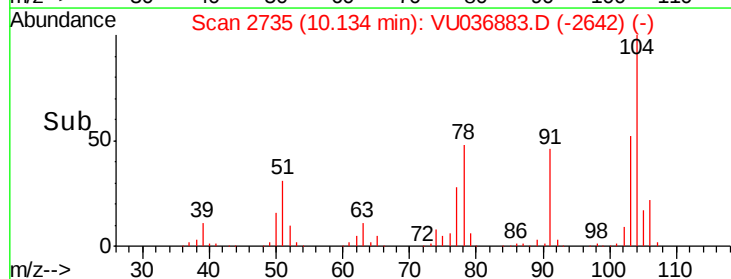
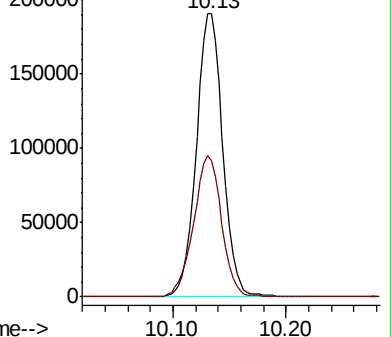
104 100

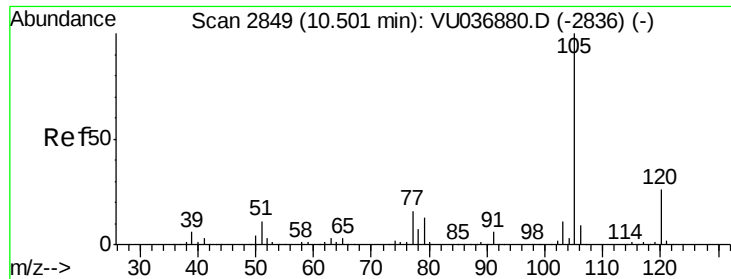
78 48.3 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.547 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

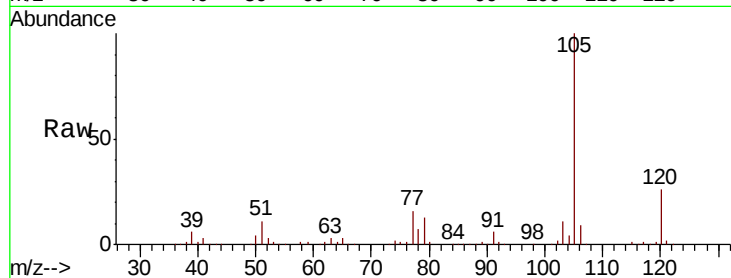
Tot Ion:105 Resp: 481452

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

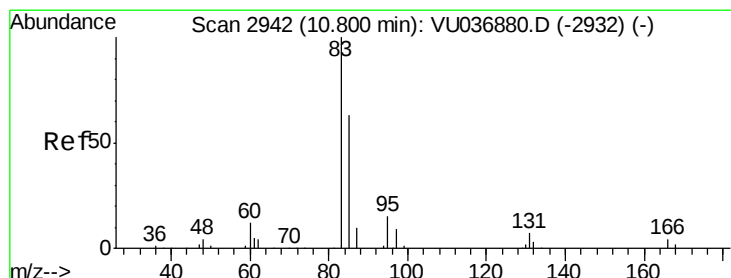
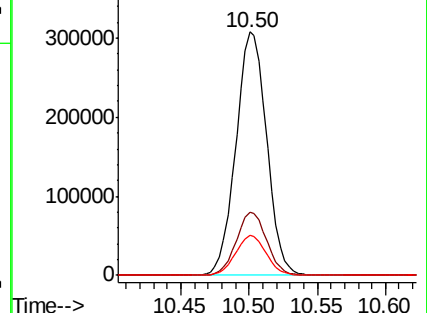
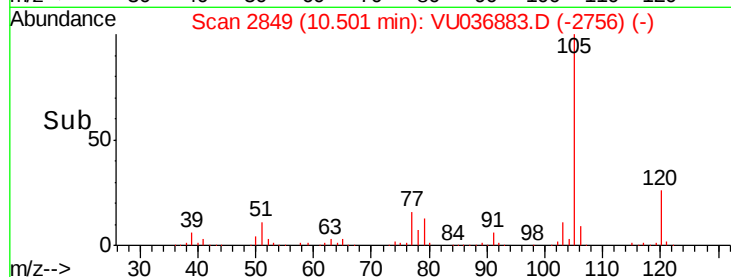
77 16.3 13.1 19.7



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: 51.309 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

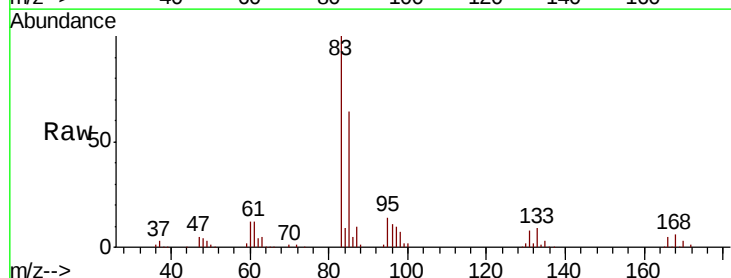
Tgt Ion: 83 Resp: 189020

Ion Ratio Lower Upper

83 100

85 64.3 45.5 84.5

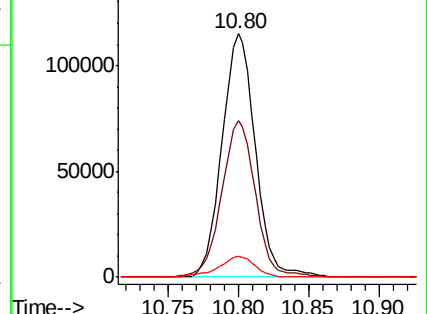
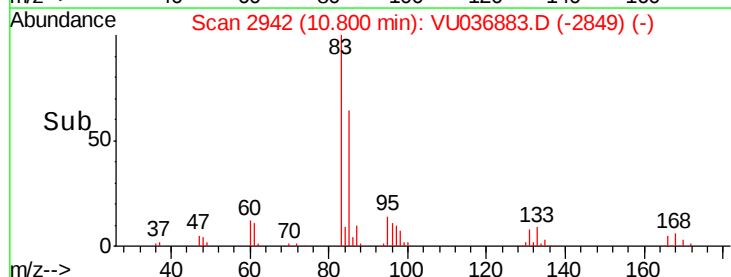
131 8.5 6.8 10.2

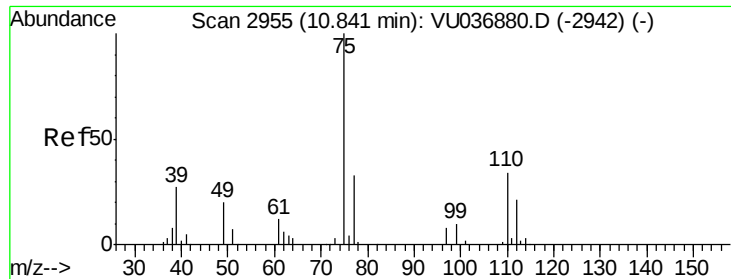


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.352 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

Instrument :

MSVOA_U

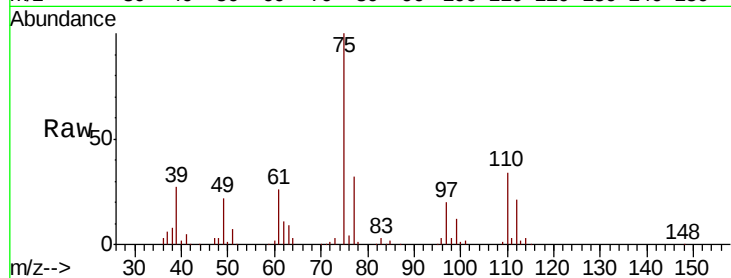
ClientSampleId :

Tot Ion: 75 Resp: 153080

Ion Ratio Lower Upper

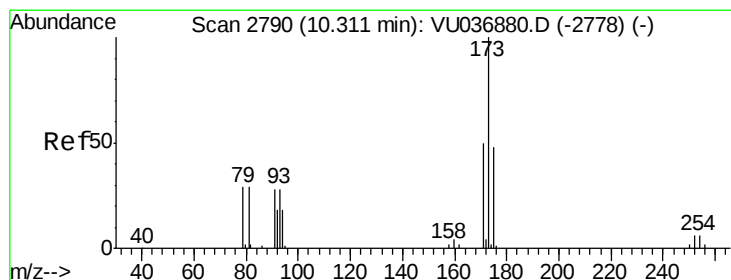
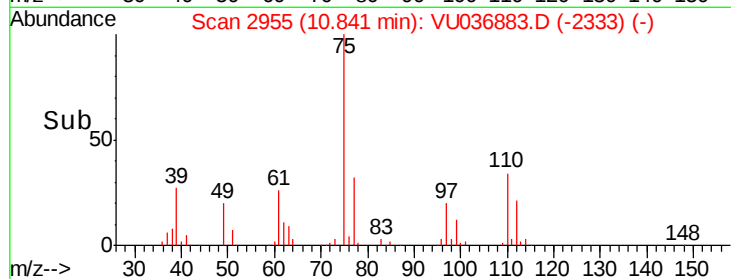
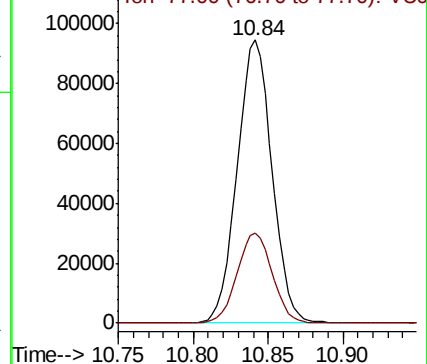
75 100

77 32.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU036883.D (-2942) (-)

Ion 77.00 (76.70 to 77.70): VU036883.D (-2942) (-)



#61

Bromoform

Concen: 51.651 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

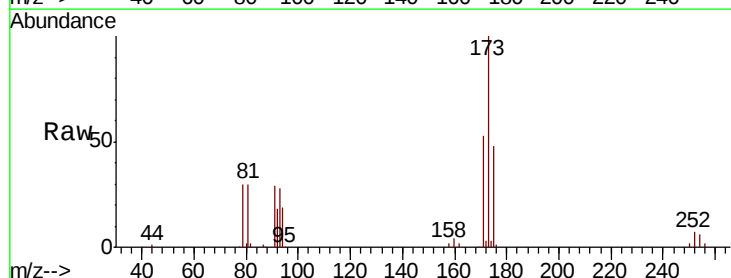
Tgt Ion:173 Resp: 69344

Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.6

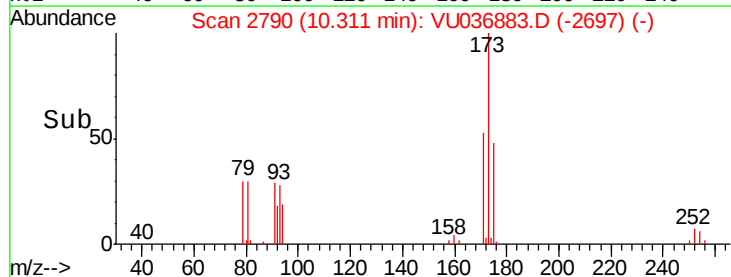
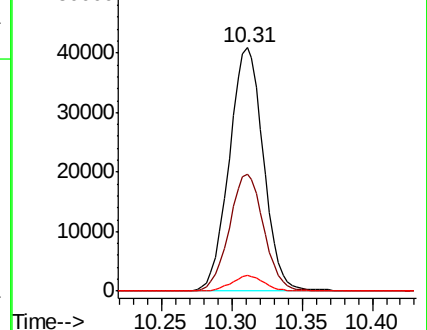
254 5.9 4.6 6.8

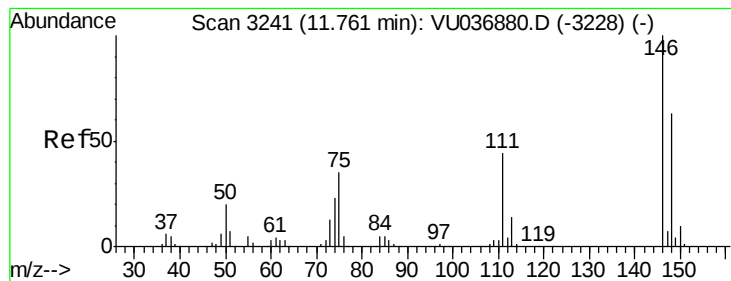


Abundance Ion 173.00 (172.70 to 173.70): VU036883.D (-2778) (-)

Ion 175.00 (174.70 to 175.70): VU036883.D (-2778) (-)

Ion 254.00 (253.70 to 254.70): VU036883.D (-2778) (-)





#62

1,3-Dichlorobenzene

Concen: 51.511 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

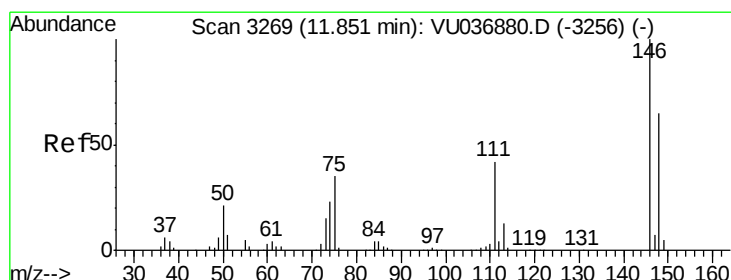
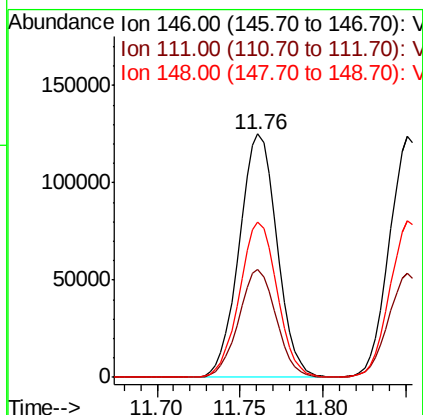
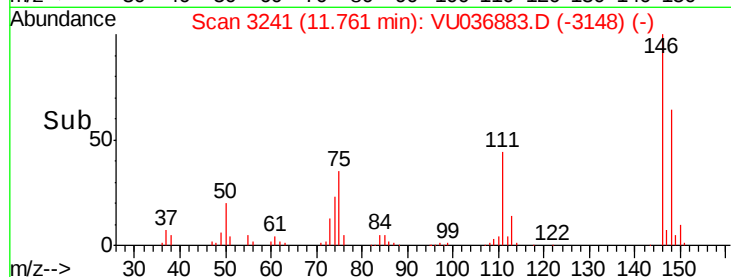
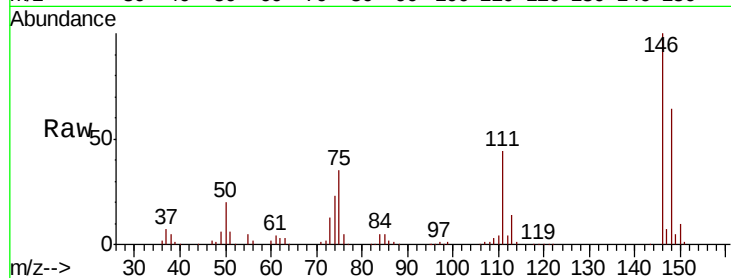
Tot Ion:146 Resp: 198431

Ion Ratio Lower Upper

146 100

111 44.2 30.7 56.9

148 63.9 44.2 82.2



#63

1,4-Dichlorobenzene

Concen: 51.527 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

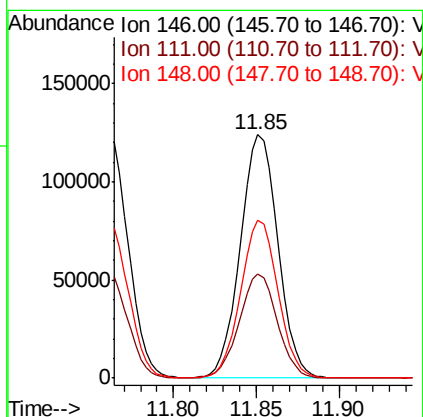
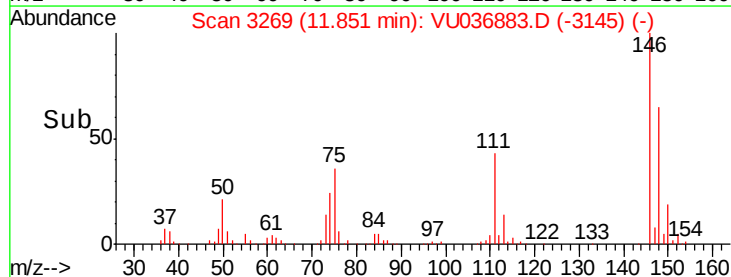
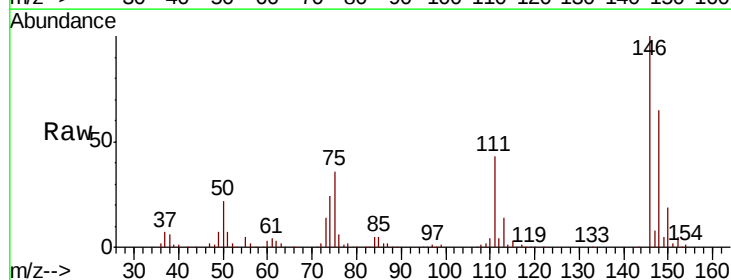
Tgt Ion:146 Resp: 196107

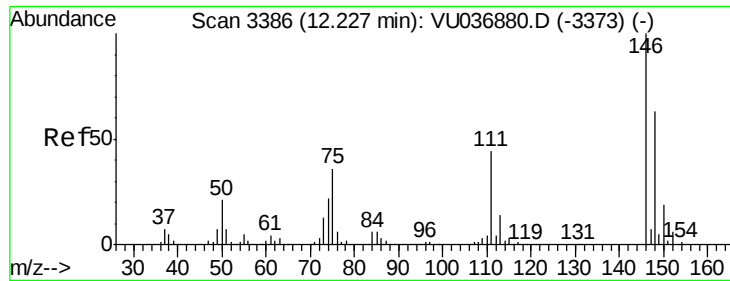
Ion Ratio Lower Upper

146 100

111 43.0 29.8 55.4

148 65.0 45.1 83.9

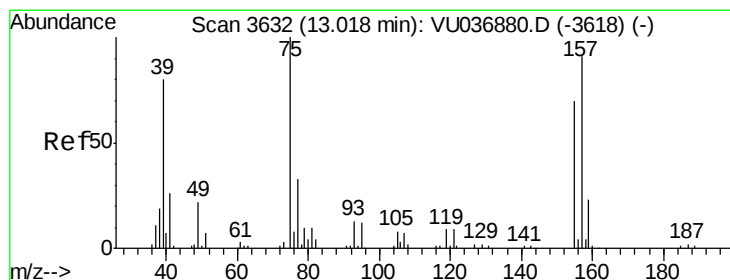
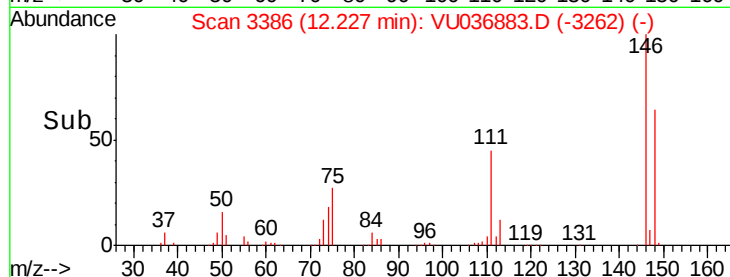
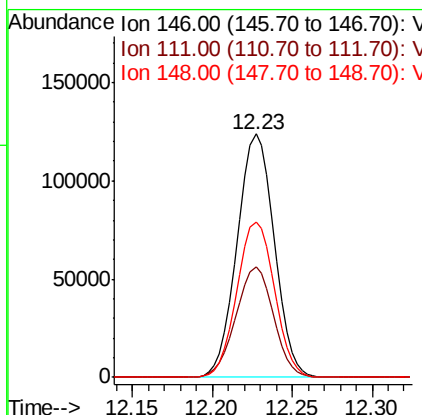
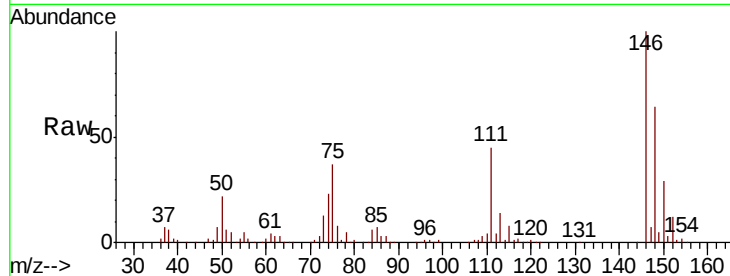




#65
 1,2-Dichlorobenzene
 Concen: 50.884 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU036883.D
 Acq: 24 Feb 2020 14:46

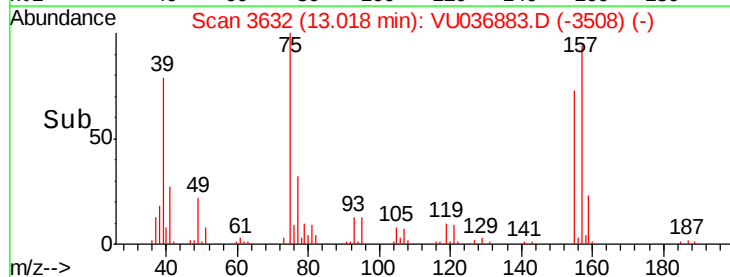
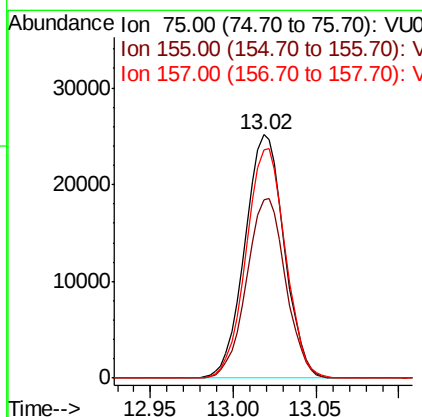
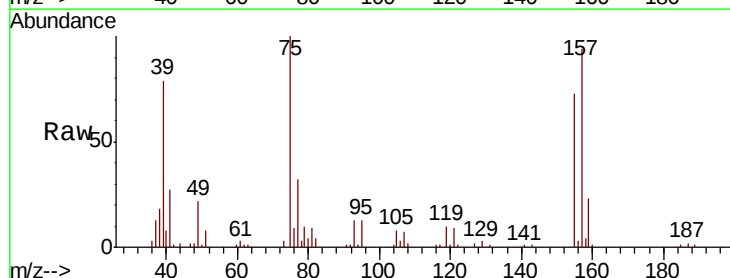
Instrument :
 MSVOA_U
 ClientSampleId :

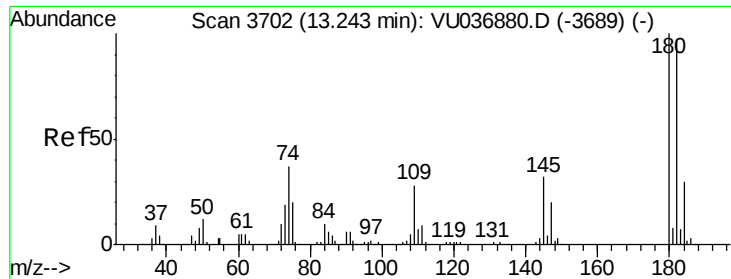
Tot Ion:146 Resp: 195714
 Ion Ratio Lower Upper
 146 100
 111 45.5 35.4 53.0
 148 64.0 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 54.379 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036883.D
 Acq: 24 Feb 2020 14:46

Tgt Ion: 75 Resp: 41495
 Ion Ratio Lower Upper
 75 100
 155 73.4 55.7 83.5
 157 93.7 73.0 109.6

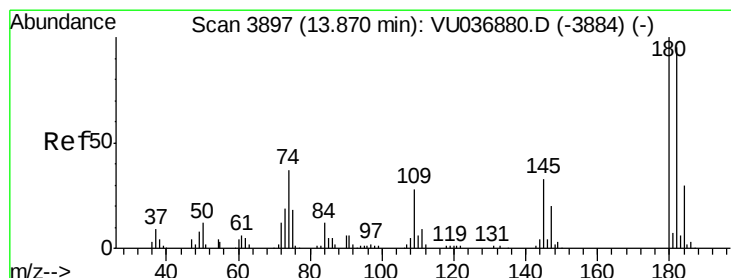
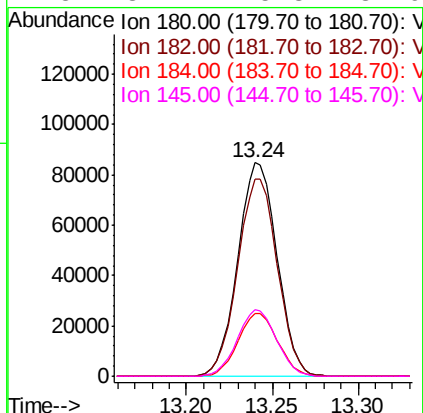
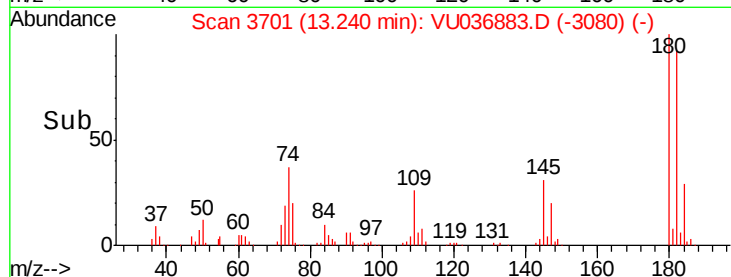
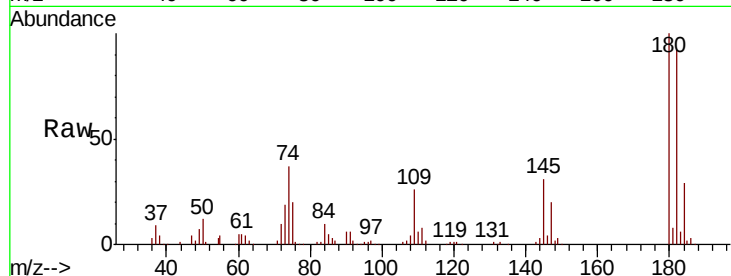




#67
 1,3,5-Trichlorobenzene
 Concen: 55.173 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU036883.D
 Acq: 24 Feb 2020 14:46

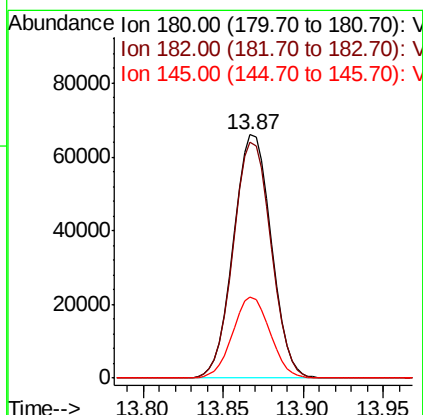
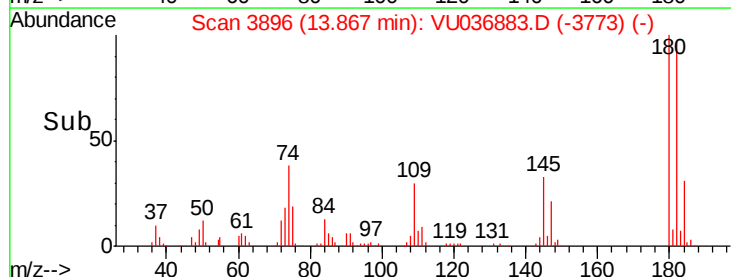
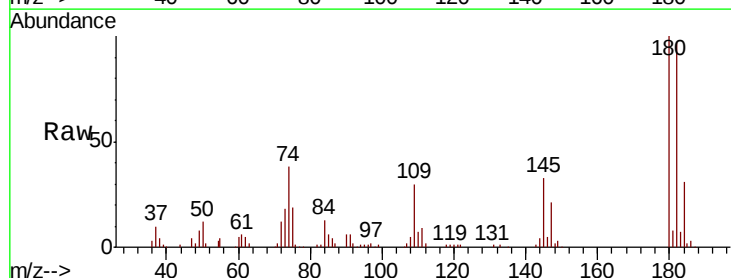
Instrument :
 MSVOA_U
 ClientSampleId :

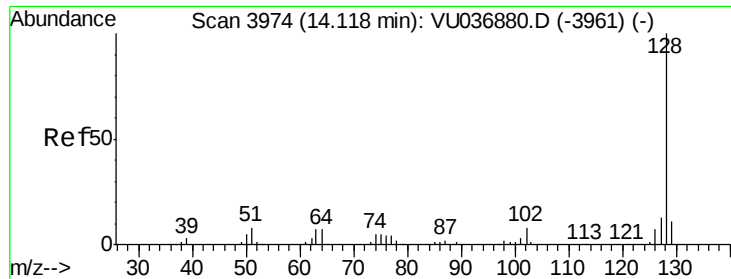
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.9	115.3
184	29.7	24.2	36.2
145	31.1	25.3	37.9



#68
 1,2,4-trichlorobenzene
 Concen: 58.060 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU036883.D
 Acq: 24 Feb 2020 14:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.3	112.9
145	32.8	26.2	39.4





#69

Naphthalene

Concen: 58.865 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

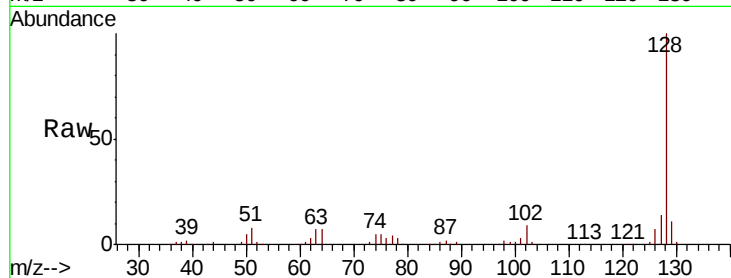
Tot Ion:128 Resp: 190363

Ion Ratio Lower Upper

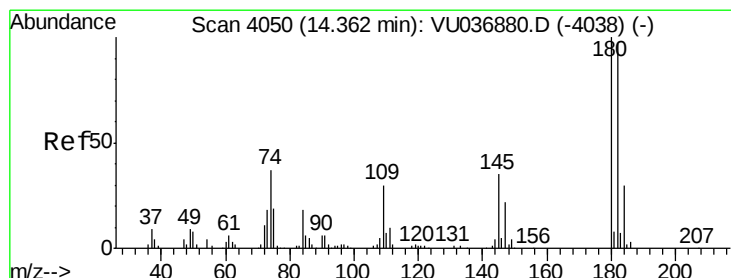
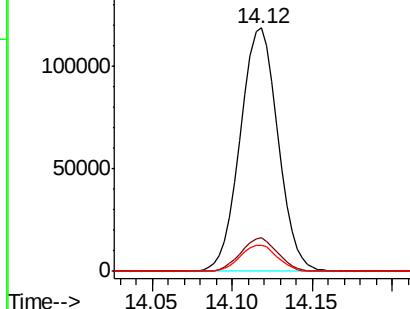
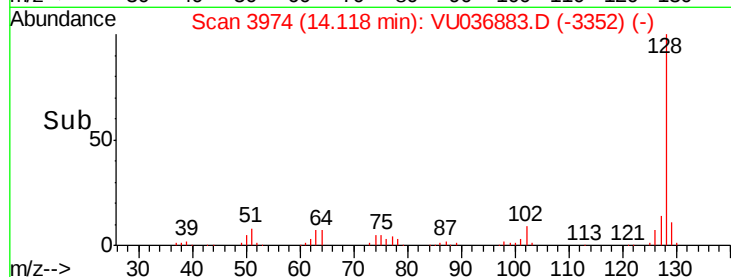
128 100

127 13.3 11.0 16.4

129 10.7 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: 58.638 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU036883.D

Acq: 24 Feb 2020 14:46

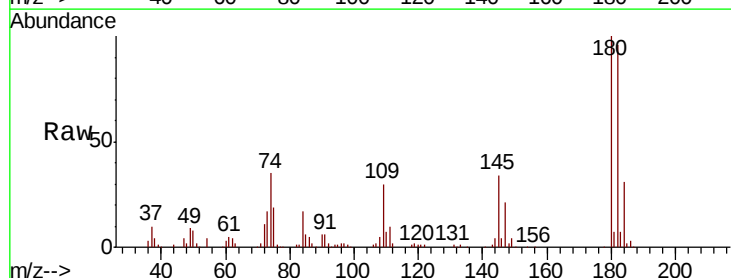
Tgt Ion:180 Resp: 107347

Ion Ratio Lower Upper

180 100

182 96.0 77.0 115.6

145 34.5 28.1 42.1



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

