

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042420\
 Data File : VU037882.D
 Acq On : 24 Apr 2020 19:49
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 25 01:17:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 25 01:13:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	610844	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	583539	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	269476	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	225639	42.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.56%
7) Chloroethane-d5	1.93	69	186392	45.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.12%
11) 1,1-Dichloroethene-d2	2.59	63	389933	45.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.28%
21) 2-Butanone-d5	4.66	46	416101	98.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.39%
24) Chloroform-d	5.10	84	386796	47.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.16%
26) 1,2-Dichloroethane-d4	5.74	65	259268	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.12%
32) Benzene-d6	5.76	84	782805	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
36) 1,2-Dichloropropane-d6	6.72	67	269631	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.70%
41) Toluene-d8	7.92	98	702438	46.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.62%
43) trans-1,3-Dichloropropene-	8.20	79	135184	47.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.18%
47) 2-Hexanone-d5	8.65	63	300737	100.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.09%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	383387	49.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.84%
64) 1,2-Dichlorobenzene-d4	12.20	152	271586	51.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	242879	48.194	ug/L 100
3) Chloromethane	1.54	50	288242	52.478	ug/L 100
5) Vinyl chloride	1.62	62	303009	49.999	ug/L 99
6) Bromomethane	1.87	94	119949	47.833	ug/L 98
8) Chloroethane	1.95	64	173346	50.909	ug/L 100
9) Trichlorofluoromethane	2.16	101	315609	48.982	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	181046	48.216	ug/L 99
12) 1,1-Dichloroethene	2.60	96	189818	51.185	ug/L 98
13) Acetone	2.65	43	242830	96.242	ug/L 100
14) Carbon disulfide	2.82	76	629508	47.464	ug/L 100
15) Methyl Acetate	2.98	43	303454	49.760	ug/L 99
16) Methylene chloride	3.08	84	222421	50.474	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	203600	49.101	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	718479	50.302	ug/L 100
19) 1,1-Dichloroethane	3.91	63	418974	50.125	ug/L 100
20) cis-1,2-Dichloroethene	4.71	96	241165	53.119	ug/L 97
22) 2-Butanone	4.74	43	436678	98.839	ug/L 99

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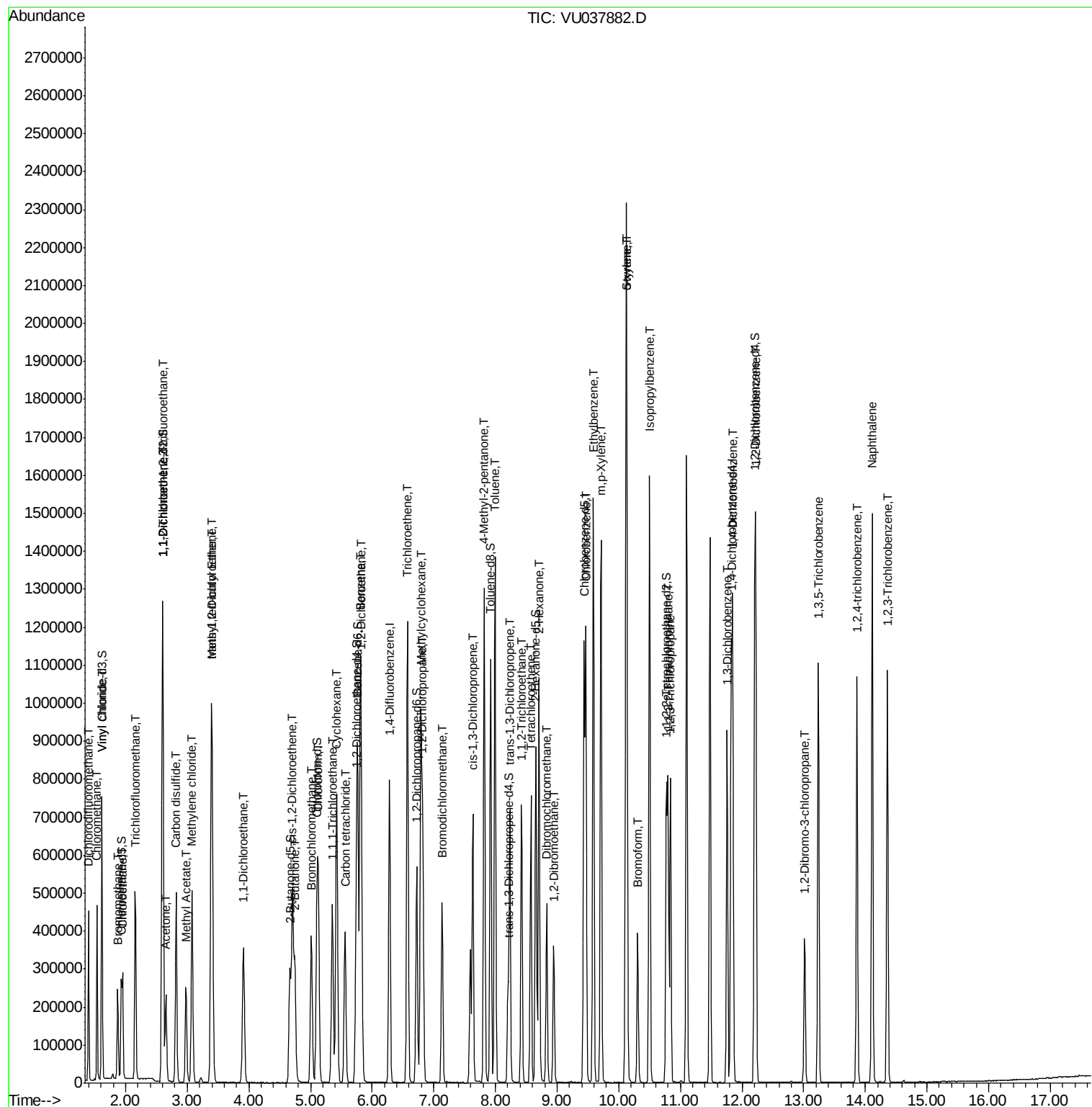
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	112415	51.242	ug/L	97
25) Chloroform	5.13	83	389329	49.780	ug/L	99
27) 1,2-Dichloroethane	5.83	62	336635	50.256	ug/L	100
29) Cyclohexane	5.42	56	401093	49.131	ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	339747	52.134	ug/L	100
31) Carbon tetrachloride	5.56	117	270781	51.399	ug/L	100
33) Benzene	5.81	78	903011	50.985	ug/L	100
34) Trichloroethene	6.57	95	407841	93.876	ug/L	97
35) Methylcyclohexane	6.79	83	375454	49.354	ug/L	99
37) 1,2-Dichloropropane	6.82	63	250843	51.854	ug/L	100
38) Bromodichloromethane	7.13	83	304076	52.027	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	399327	51.558	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	862176	102.485	ug/L	99
42) Toluene	7.99	91	953006	51.320	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	380392	50.881	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	219103	51.920	ug/L	98
46) Tetrachloroethene	8.57	164	161566	50.880	ug/L	99
48) 2-Hexanone	8.71	43	664498	99.899	ug/L	99
49) Dibromochloromethane	8.83	129	228990	51.966	ug/L	99
50) 1,2-Dibromoethane	8.94	107	234824	51.370	ug/L	99
51) Chlorobenzene	9.47	112	586940	50.815	ug/L	99
52) Ethylbenzene	9.59	91	1062372	51.087	ug/L	99
53) m,p-Xylene	9.71	106	398944	50.953	ug/L	100
54) o-xylene	10.12	106	394032	51.458	ug/L	99
55) Styrene	10.13	104	672227	51.047	ug/L	100
56) Isopropylbenzene	10.50	105	1035616	51.102	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	393002	52.364	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	334298	51.444	ug/L	99
61) Bromoform	10.31	173	173979	57.367	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	375404	44.493	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	450284	52.876	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	451486	55.067	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.01	75	97399	53.305	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	328336	53.548	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	315137	52.845	ug/L	98
69) Naphthalene	14.11	128	1141504	53.380	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	320651	54.452	ug/L	99

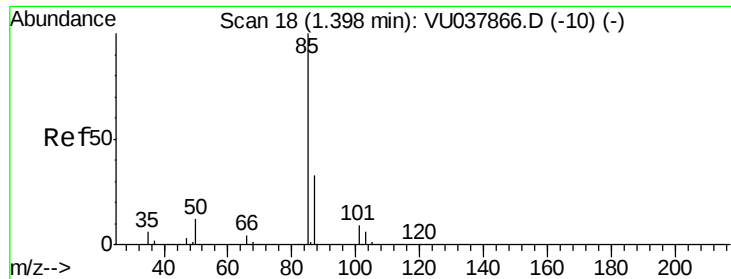
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.194 ug/L

RT: 1.40 min Scan# 18

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

Instrument :

MSVOA_U

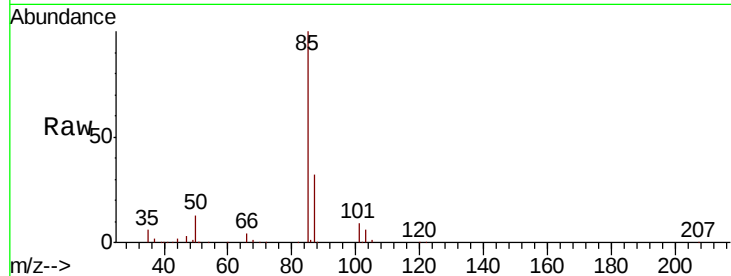
ClientSampled :

Tot Ion: 85 Resp: 242879

Ion Ratio Lower Upper

85 100

87 31.9 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU037866.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU037866.D (-10) (-)

1.40

250000

200000

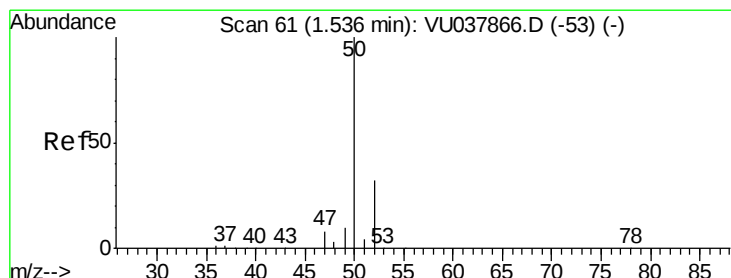
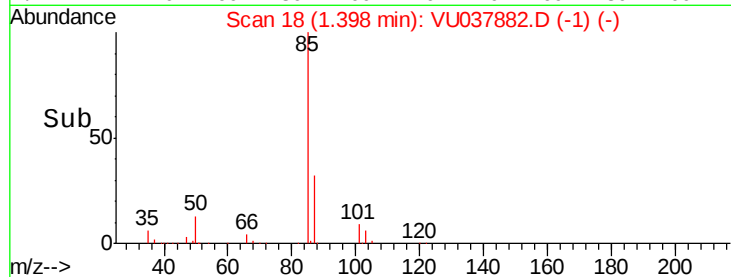
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 52.478 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037882.D

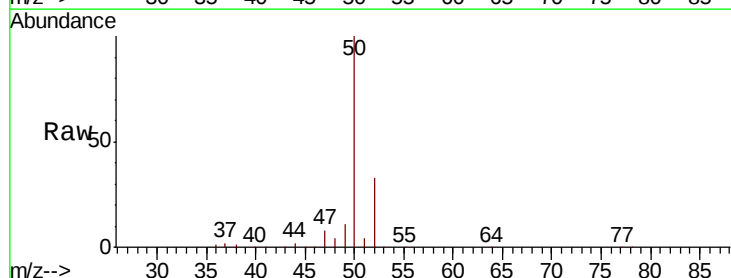
Acq: 24 Apr 2020 19:49

Tgt Ion: 50 Resp: 288242

Ion Ratio Lower Upper

50 100

52 33.1 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU037866.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU037866.D (-53) (-)

1.54

300000

250000

200000

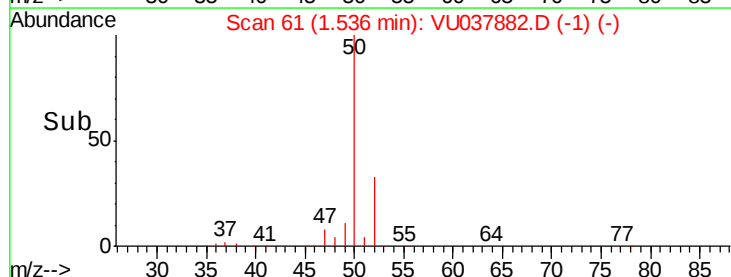
150000

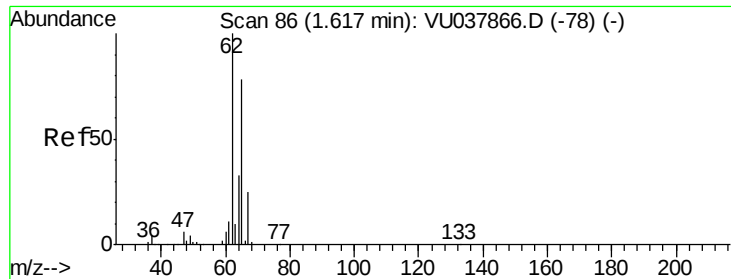
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.999 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

Instrument :

MSVOA_U

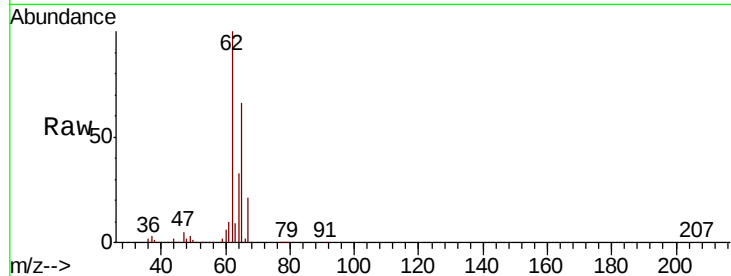
ClientSampleId :

Tot Ion: 62 Resp: 303009

Ion Ratio Lower Upper

62 100

64 32.7 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU037866.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037866.D (-78) (-)

1.62

300000

250000

200000

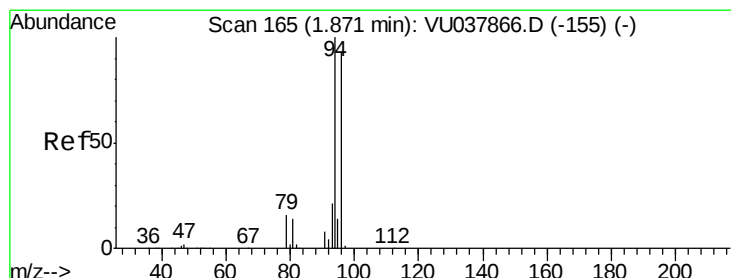
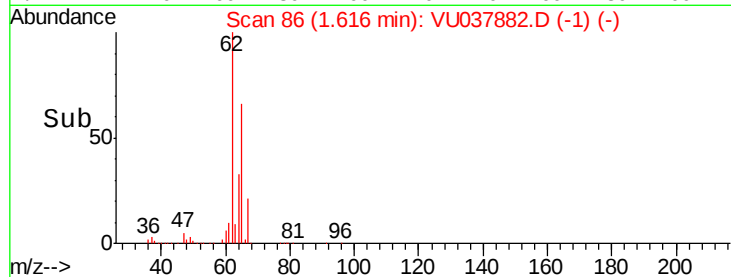
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 47.833 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037882.D

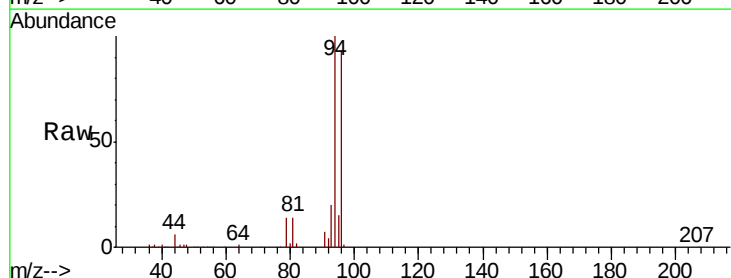
Acq: 24 Apr 2020 19:49

Tgt Ion: 94 Resp: 119949

Ion Ratio Lower Upper

94 100

96 93.0 63.9 118.7



Abundance Ion 94.00 (93.70 to 94.70): VU037866.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU037866.D (-155) (-)

100000

80000

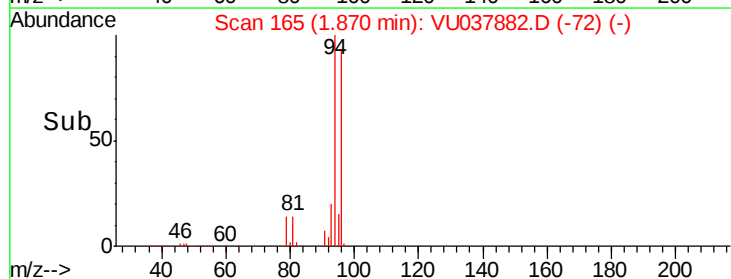
60000

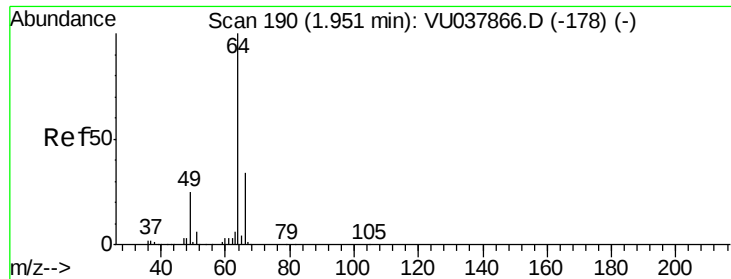
40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 50.909 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

Instrument :

MSVOA_U

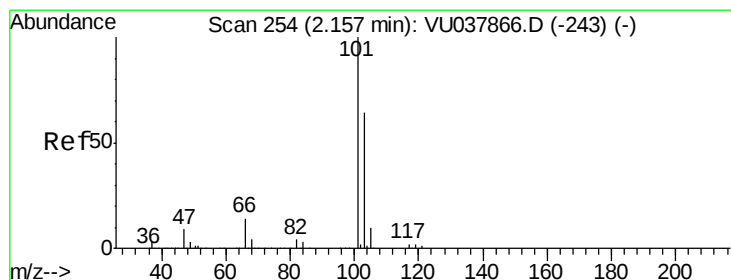
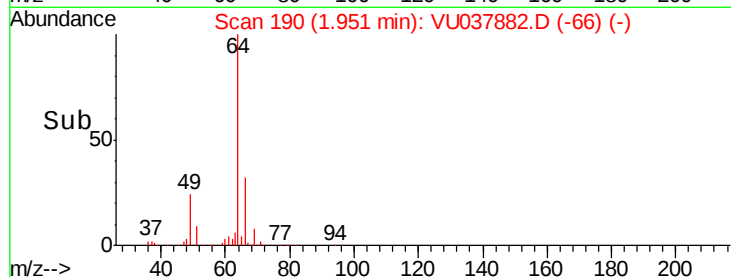
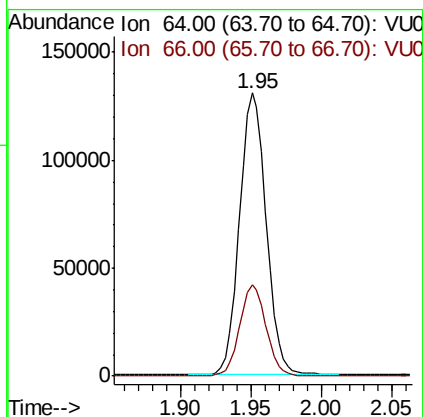
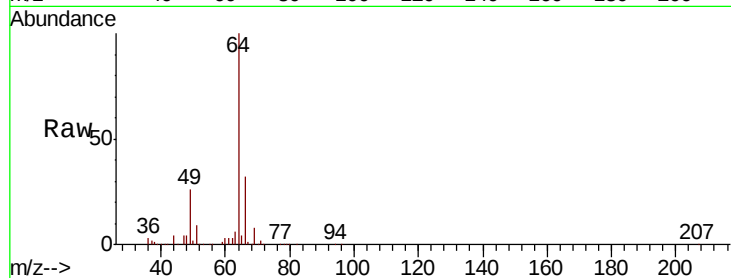
ClientSampleId :

Tot Ion: 64 Resp: 173346

Ion Ratio Lower Upper

64 100

66 32.1 22.3 41.3



#9

Trichlorofluoromethane

Concen: 48.982 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037882.D

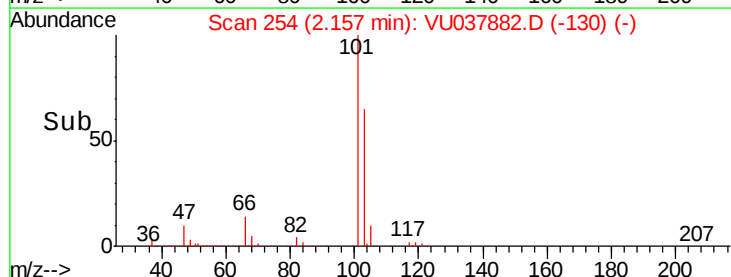
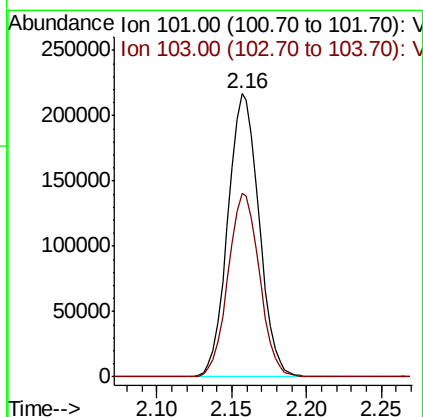
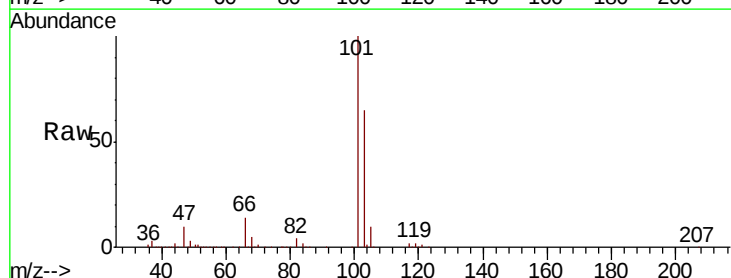
Acq: 24 Apr 2020 19:49

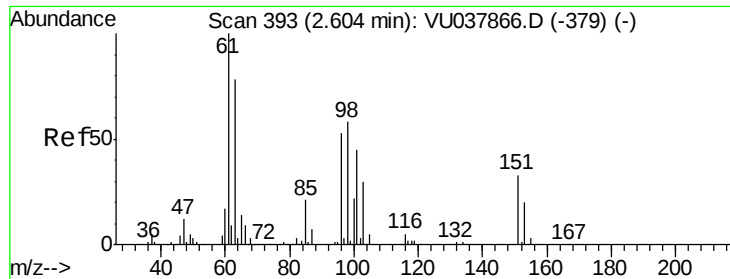
Tgt Ion:101 Resp: 315609

Ion Ratio Lower Upper

101 100

103 65.1 52.2 78.4





#10

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

Concen: 48.216 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

Instrument :

MSVOA_U

ClientSampleId :

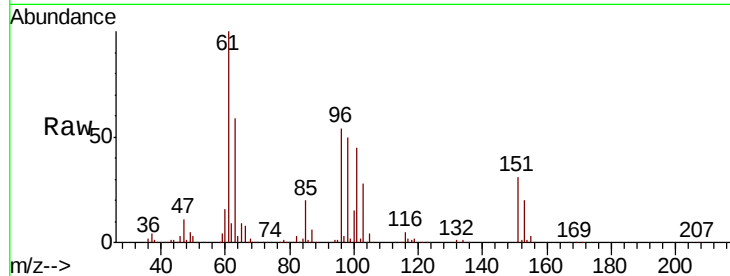
Tot Ion:101 Resp: 181046

Ion Ratio Lower Upper

101 100

85 44.6 36.2 54.4

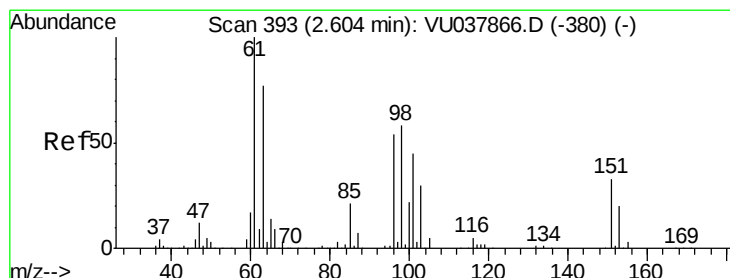
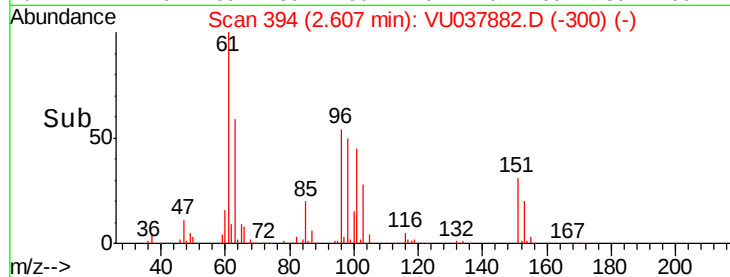
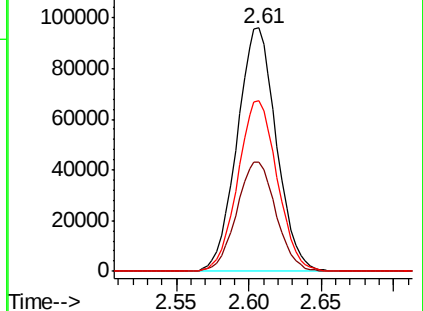
151 70.1 55.5 83.3



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: 51.185 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

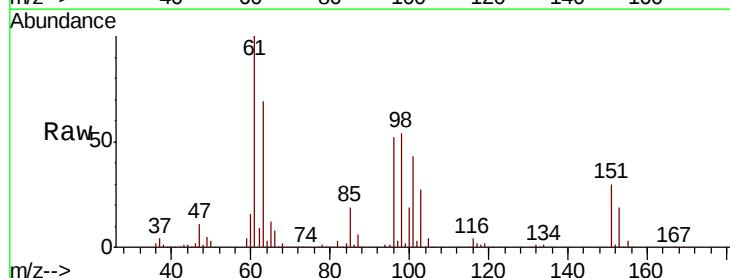
Tgt Ion: 96 Resp: 189818

Ion Ratio Lower Upper

96 100

61 192.8 134.1 249.0

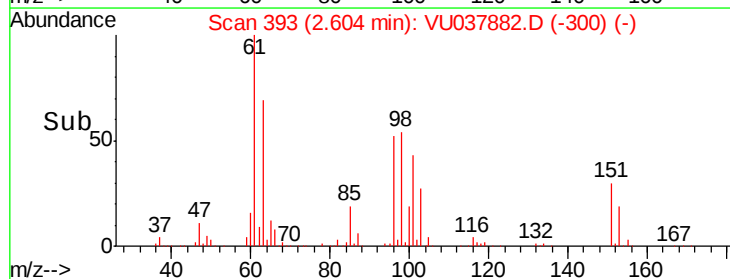
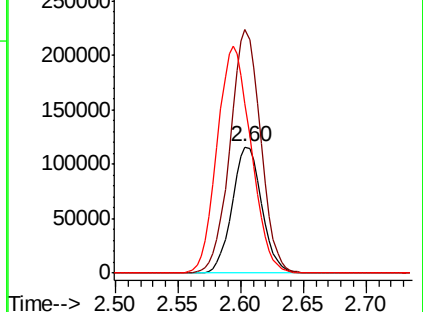
63 133.9 96.5 179.1

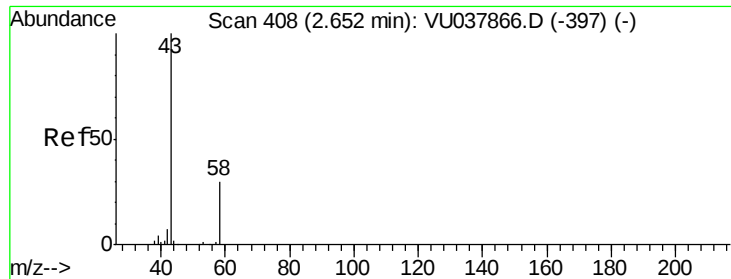


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 96.242 ug/L

RT: 2.65 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

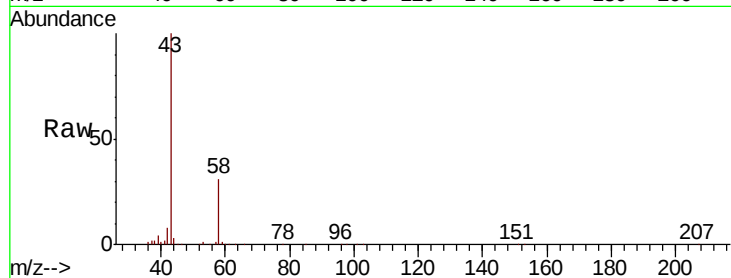
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 242830

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU037866.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU037866.D (-397) (-)

2.65

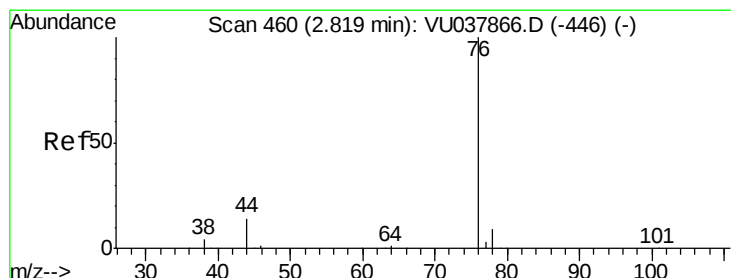
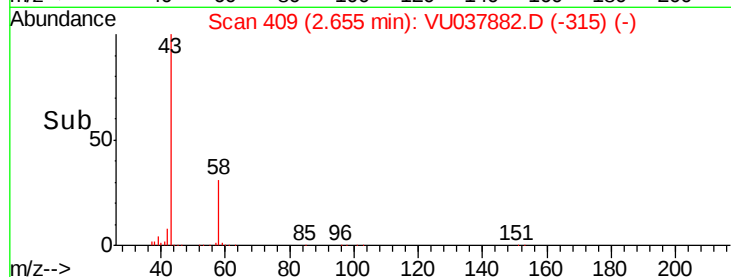
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 47.464 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037882.D

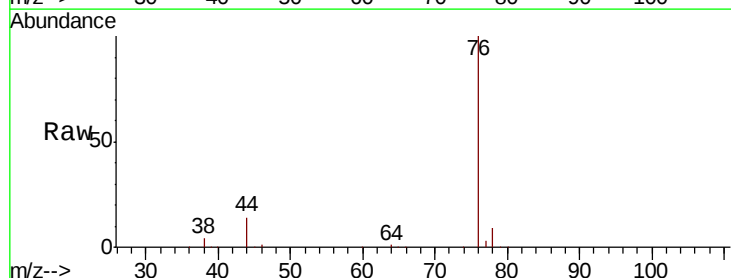
Acq: 24 Apr 2020 19:49

Tgt Ion: 76 Resp: 629508

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU037866.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037866.D (-446) (-)

2.82

400000

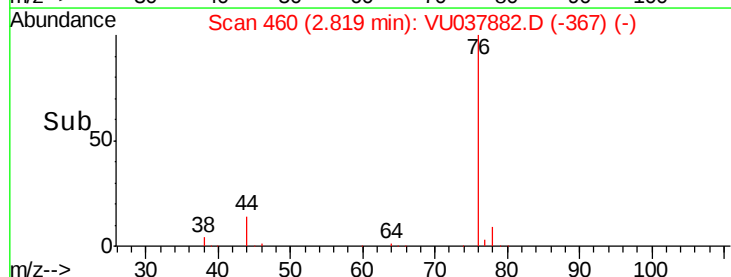
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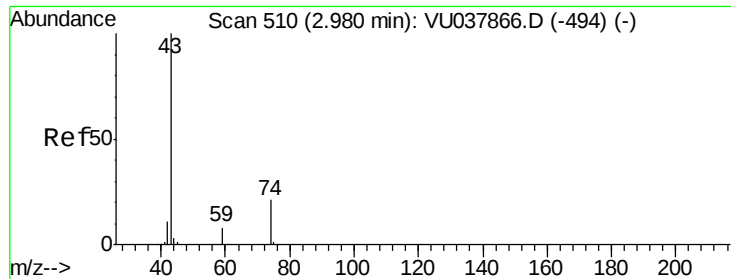
200000

100000

0

Time-->





#15

Methvl Acetate

Concen: 49.760 ug/L

RT: 2.98 min Scan# 510

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

Instrument :

MSVOA_U

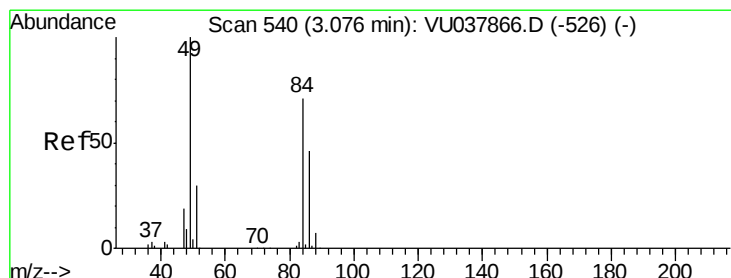
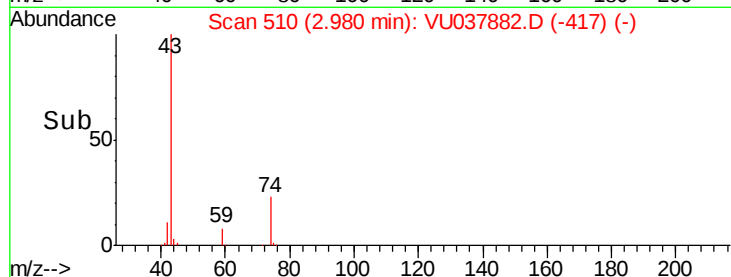
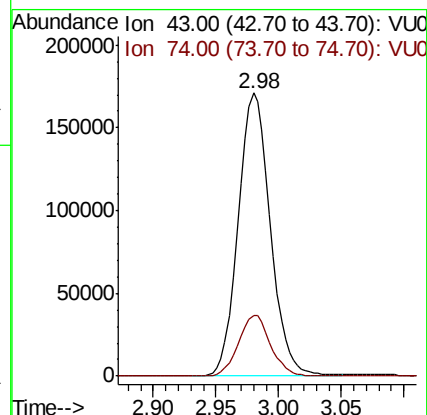
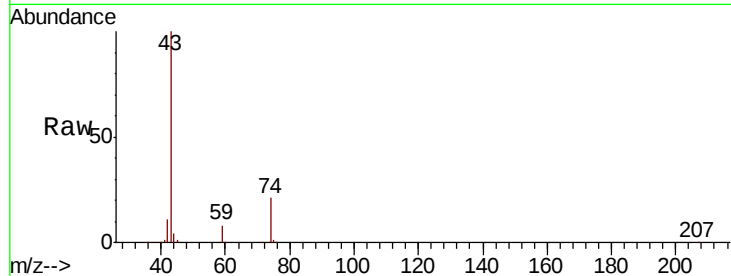
ClientSampleId :

Tot Ion: 43 Resp: 303454

Ion Ratio Lower Upper

43 100

74 21.5 17.0 25.4



#16

Methylene chloride

Concen: 50.474 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

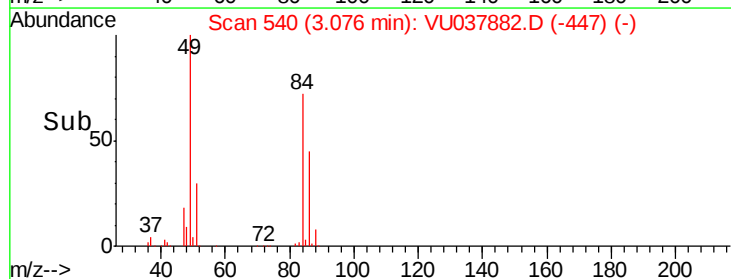
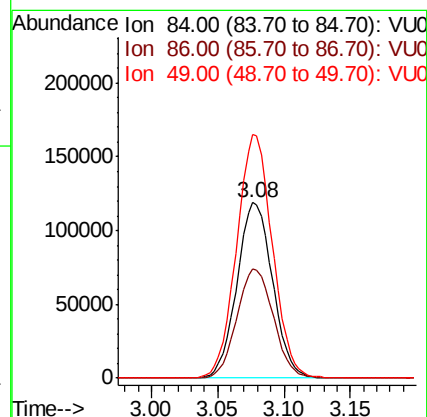
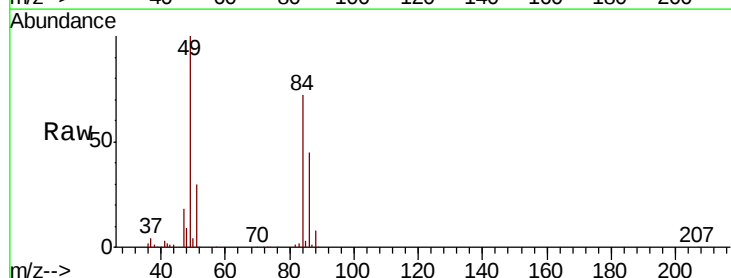
Tgt Ion: 84 Resp: 222421

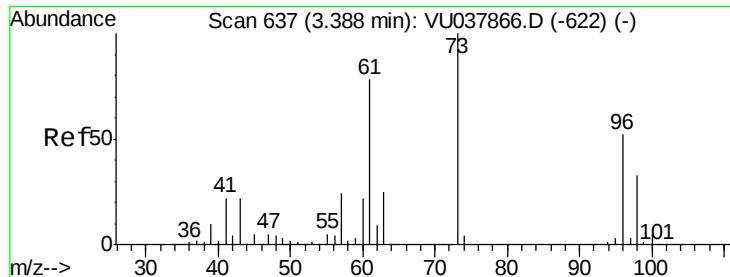
Ion Ratio Lower Upper

84 100

86 62.5 43.5 80.7

49 139.0 95.1 176.7

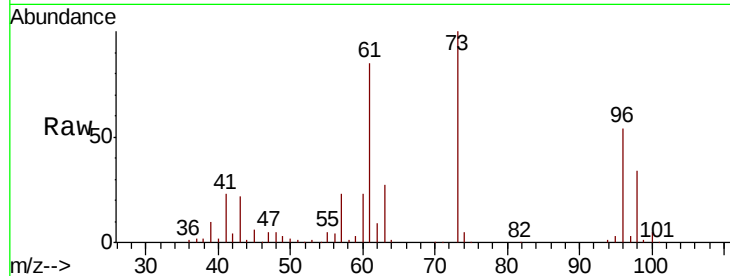




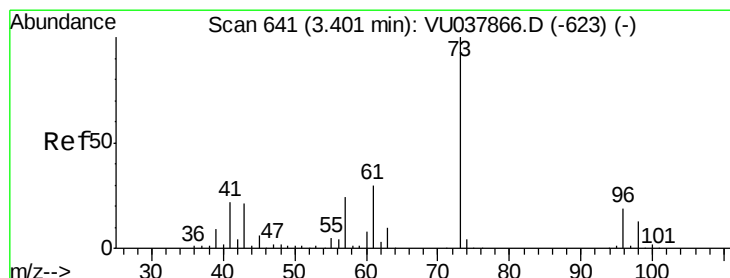
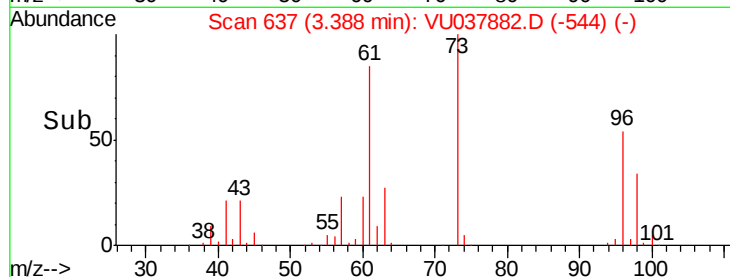
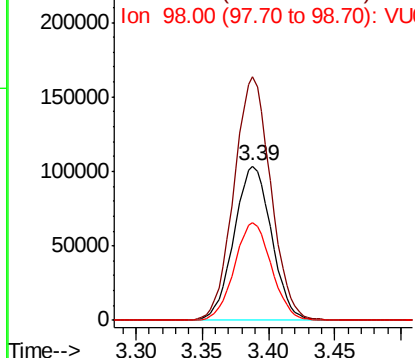
#17
trans-1,2-Dichloroethene
Concen: 49.101 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU037882.D
Acq: 24 Apr 2020 19:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 203600
Ion Ratio Lower Upper
96 100
61 157.8 111.4 207.0
98 63.0 43.9 81.5

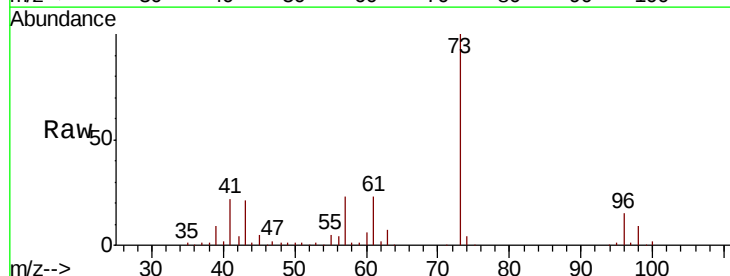


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

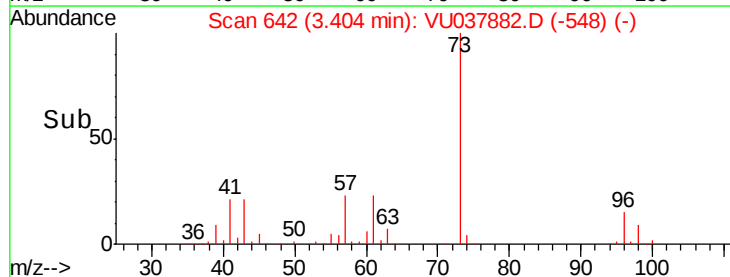
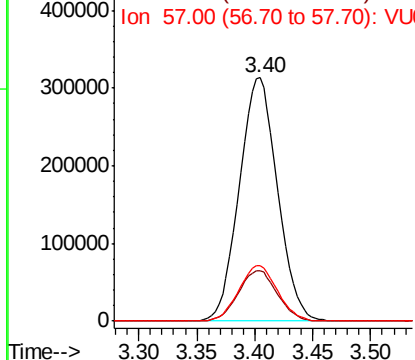


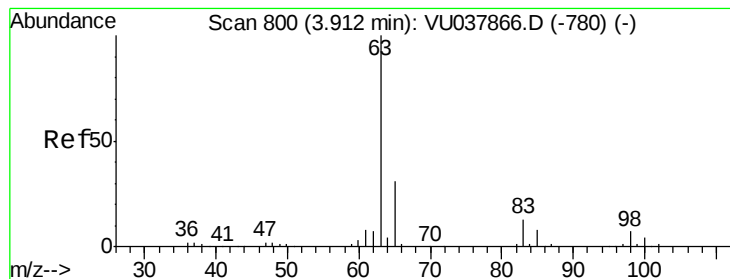
#18
Methyl tert-butyl Ether
Concen: 50.302 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037882.D
Acq: 24 Apr 2020 19:49

Tgt Ion: 73 Resp: 718479
Ion Ratio Lower Upper
73 100
43 21.2 17.0 25.6
57 23.0 18.7 28.1



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: 50.125 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

Instrument :

MSVOA_U

ClientSampleId :

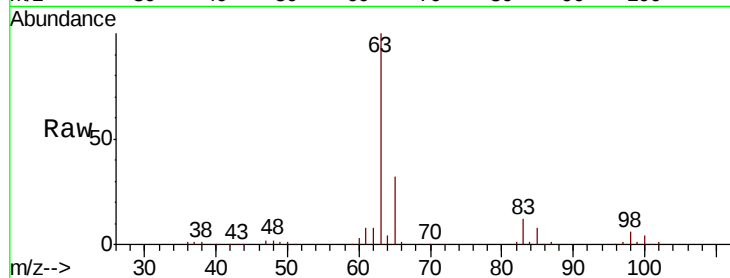
Tot Ion: 63 Resp: 418974

Ion Ratio Lower Upper

63 100

65 31.6 22.2 41.2

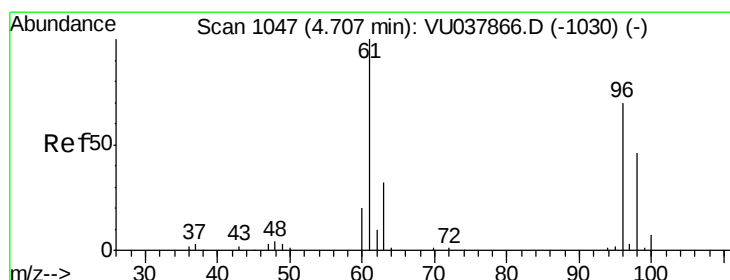
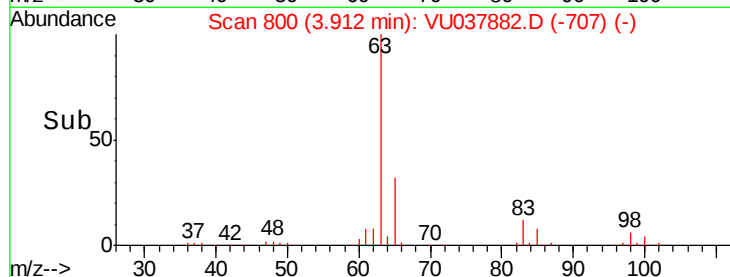
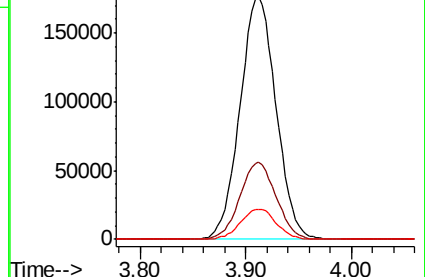
83 12.5 8.6 16.0



Abundance Ion 63.00 (62.70 to 63.70): VU037866.D (-780) (-)

Ion 65.00 (64.70 to 65.70): VU037866.D (-780) (-)

Ion 83.00 (82.70 to 83.70): VU037866.D (-780) (-)



#20

cis-1,2-Dichloroethene

Concen: 53.119 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

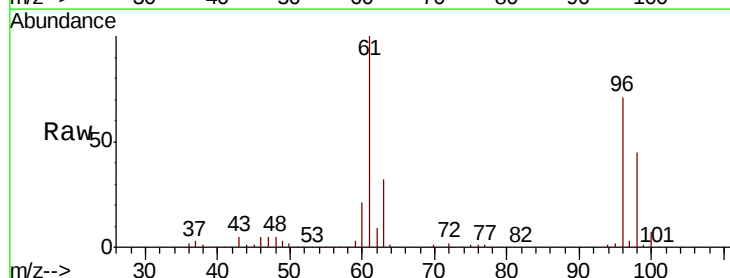
Tgt Ion: 96 Resp: 241165

Ion Ratio Lower Upper

96 100

61 139.9 100.4 186.4

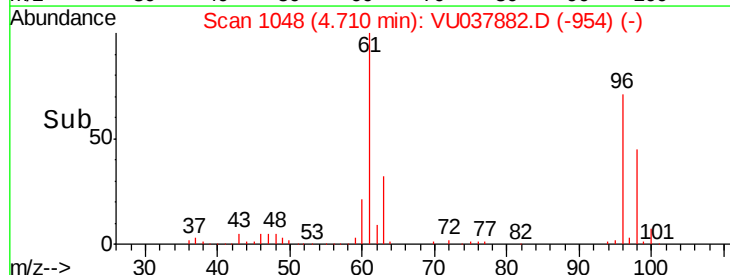
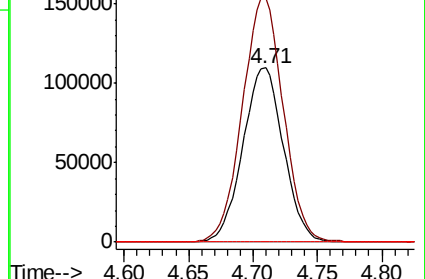
68 0.0 0.0 0.0

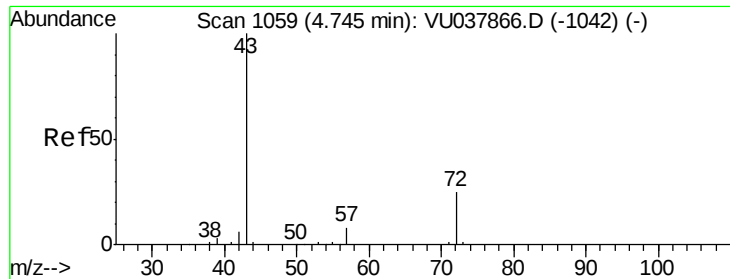


Abundance Ion 96.00 (95.70 to 96.70): VU037866.D (-1030) (-)

Ion 61.00 (60.70 to 61.70): VU037866.D (-1030) (-)

Ion 68.00 (67.70 to 68.70): VU037866.D (-1030) (-)





#22

2-Butanone

Concen: 98.839 ug/L

RT: 4.74 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

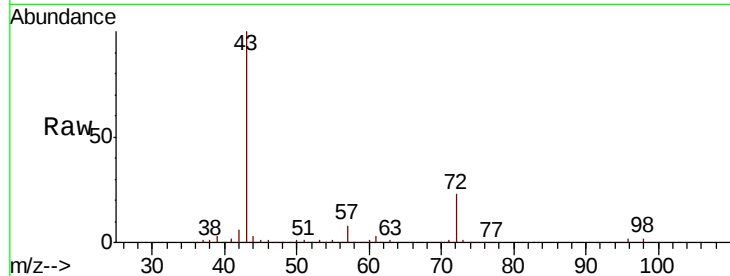
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 436678

Ion Ratio Lower Upper

43 100

72 24.8 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VU037882.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU037882.D (-966) (-)

4.74

200000

150000

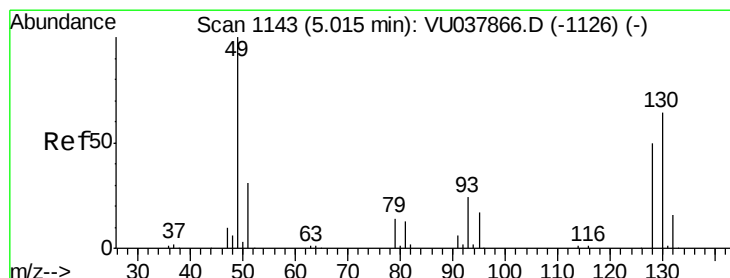
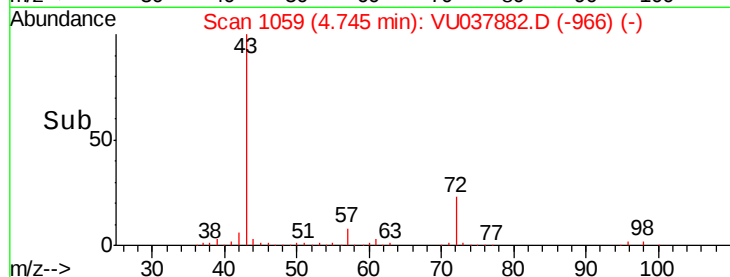
100000

50000

0

4.65 4.70 4.75 4.80 4.85

Time-->



#23

Bromochloromethane

Concen: 51.242 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

Tgt Ion:128 Resp: 112415

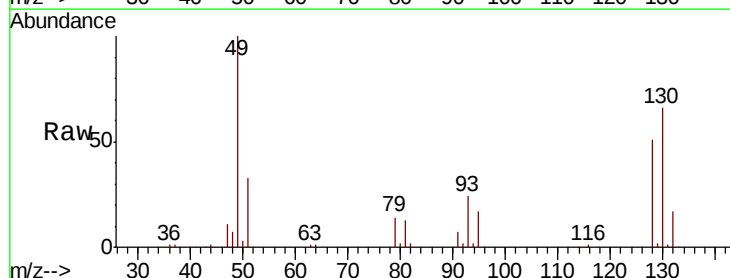
Ion Ratio Lower Upper

128 100

49 195.1 140.9 261.7

130 128.9 88.6 164.6

51 64.3 50.0 75.0



Abundance Ion 128.00 (127.70 to 128.70): VU037882.D (-1050) (-)

Ion 49.00 (48.70 to 49.70): VU037882.D (-1050) (-)

Ion 130.00 (129.70 to 130.70): VU037882.D (-1050) (-)

Ion 51.00 (50.70 to 51.70): VU037882.D (-1050) (-)

150000

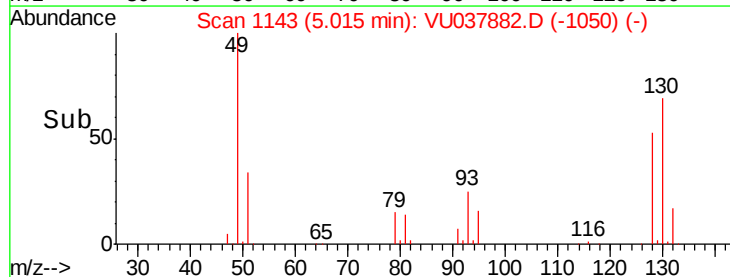
100000

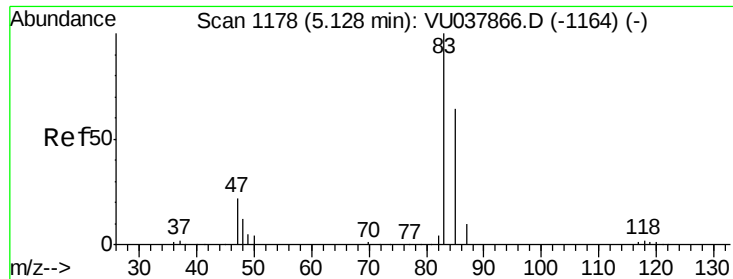
50000

0

4.90 4.95 5.00 5.05 5.10

Time-->

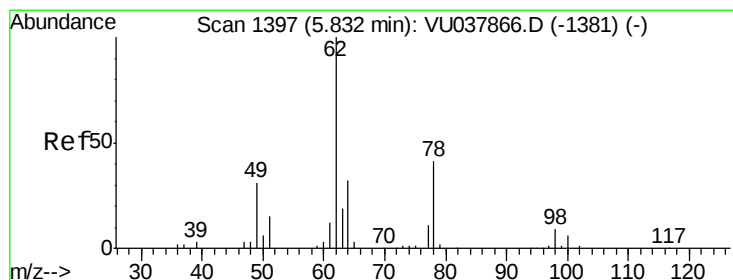
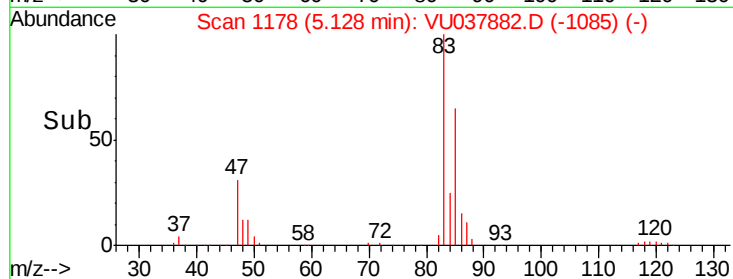
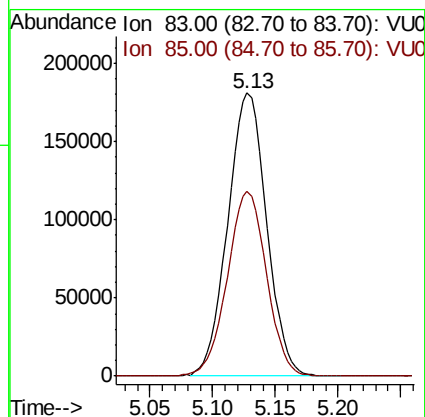
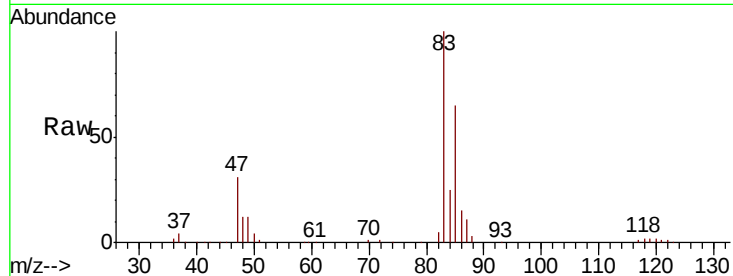




#25
Chloroform
Concen: 49.780 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037882.D
Acq: 24 Apr 2020 19:49

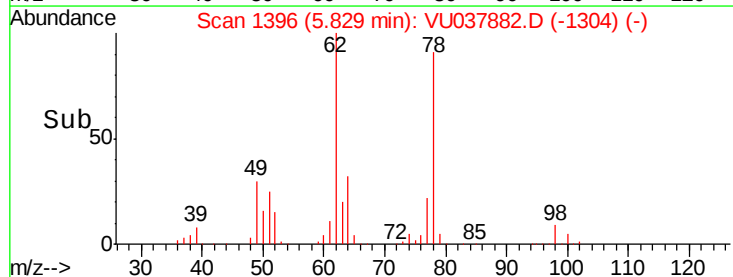
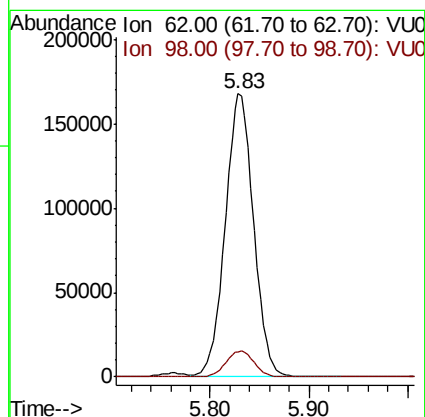
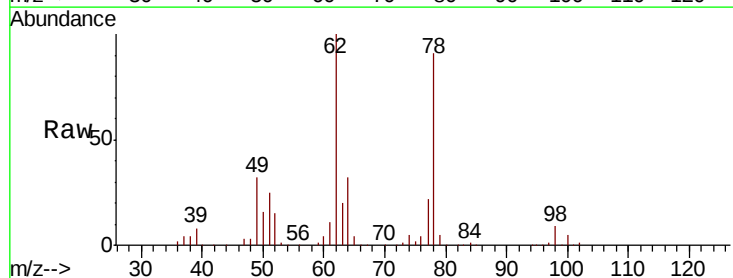
Instrument :
MSVOA_U
ClientSampled :

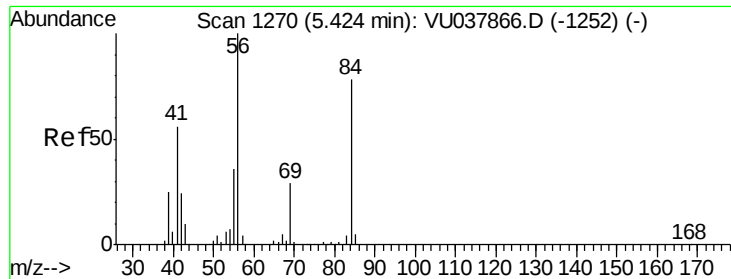
Tot Ion: 83 Resp: 389329
Ion Ratio Lower Upper
83 100
85 65.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 50.256 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037882.D
Acq: 24 Apr 2020 19:49

Tgt Ion: 62 Resp: 336635
Ion Ratio Lower Upper
62 100
98 8.9 7.3 10.9

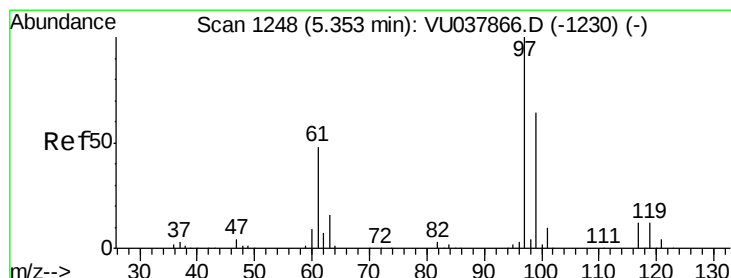
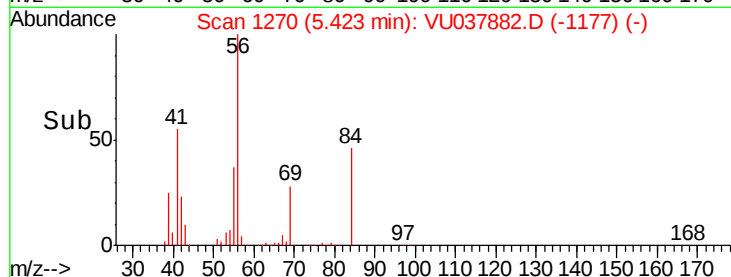
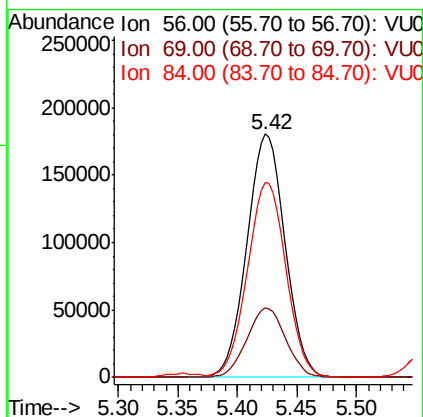
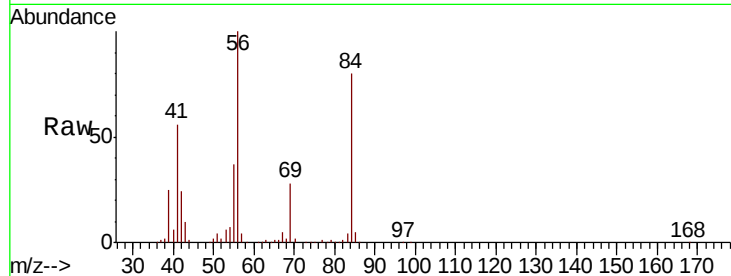




#29
Cyclohexane
Concen: 49.131 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037882.D
Acq: 24 Apr 2020 19:49

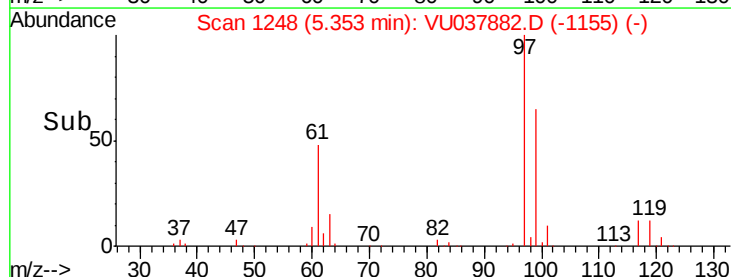
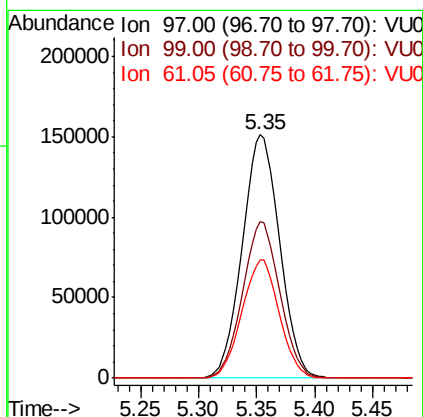
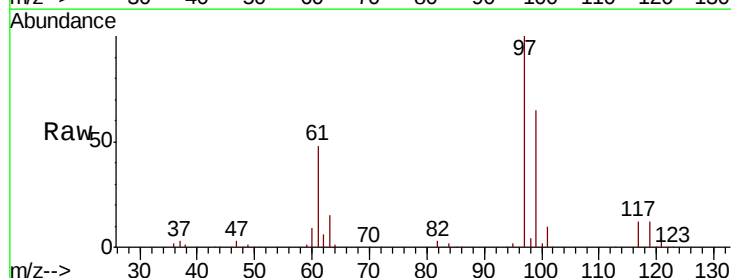
Instrument :
MSVOA_U
ClientSampled :

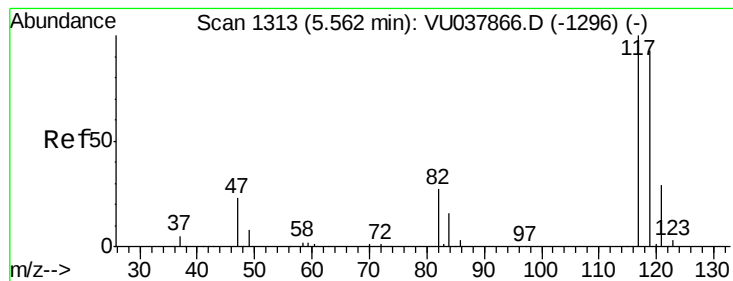
Tot Ion	56	Resp	401093
Ion	Ratio	Lower	Upper
56	100		
69	29.1	22.9	34.3
84	81.1	63.6	95.4



#30
1,1,1-Trichloroethane
Concen: 52.134 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037882.D
Acq: 24 Apr 2020 19:49

Tgt Ion	97	Resp	339747
Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.7	76.1
61	48.5	38.9	58.3





#31

Carbon tetrachloride

Concen: 51.399 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

Instrument :

MSVOA_U

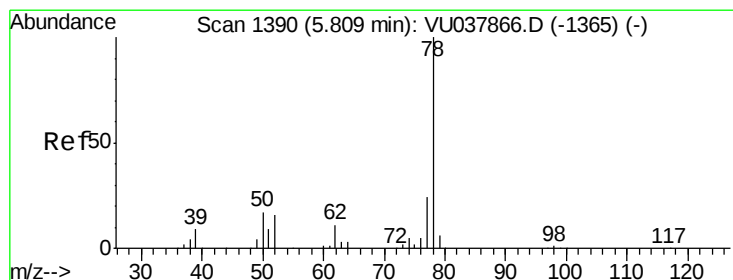
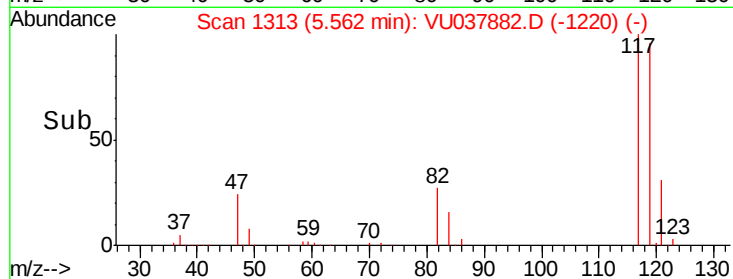
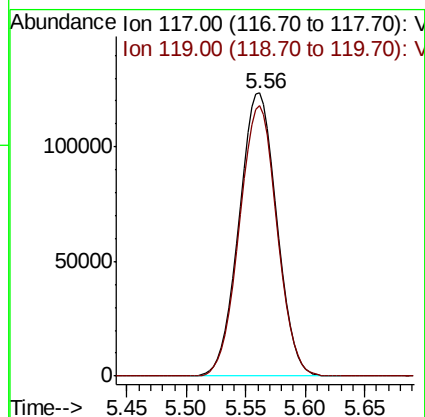
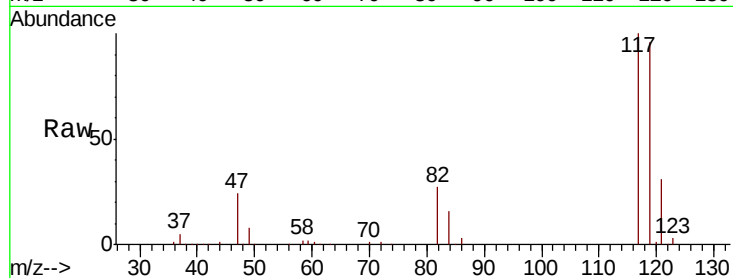
ClientSampled :

Tot Ion:117 Resp: 270781

Ion Ratio Lower Upper

117 100

119 95.5 76.7 115.1



#33

Benzene

Concen: 50.985 ug/L

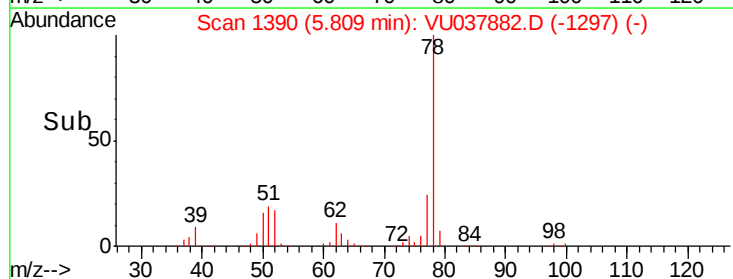
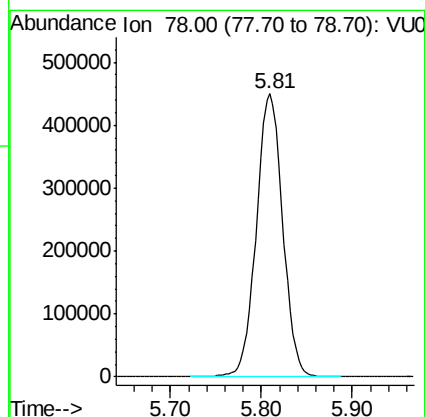
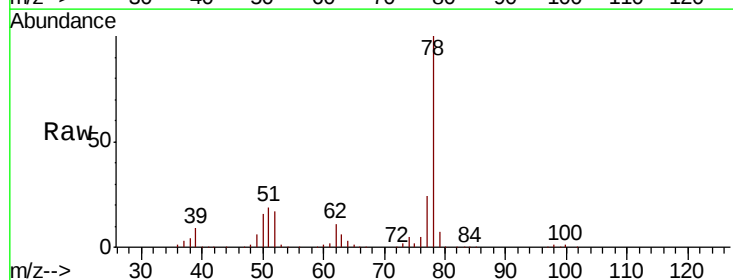
RT: 5.81 min Scan# 1390

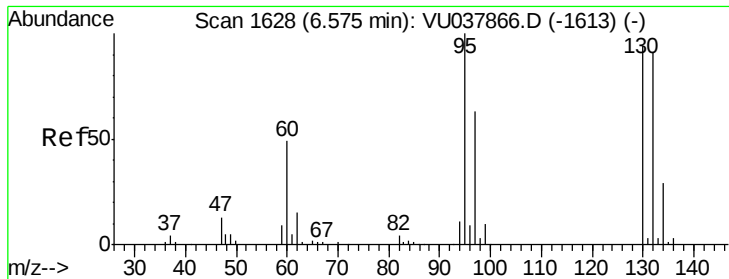
Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

Tgt Ion: 78 Resp: 903011

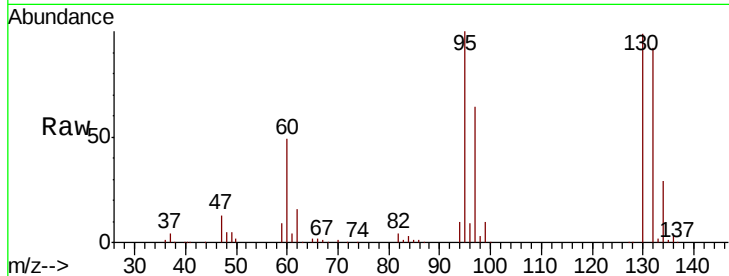




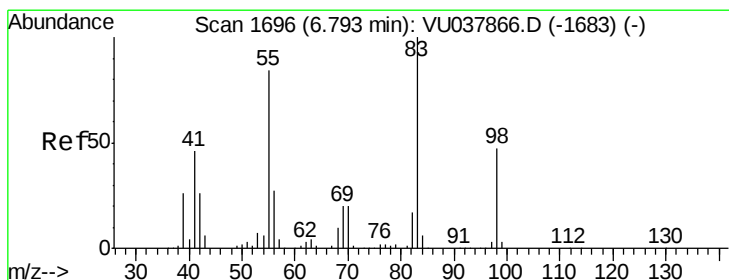
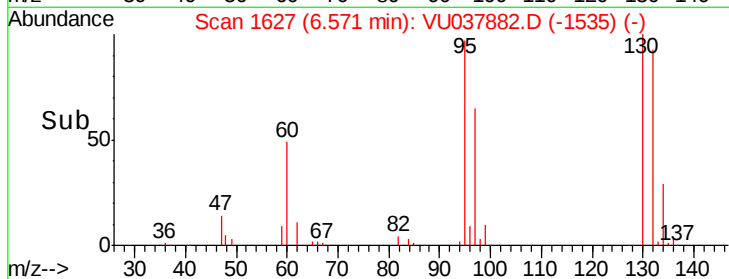
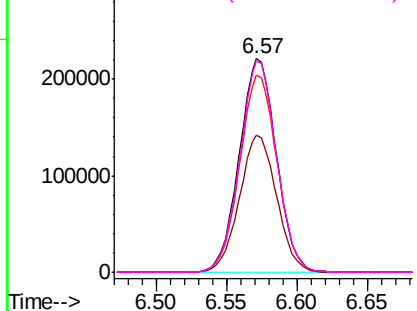
#34
 Trichloroethene
 Concen: 93.876 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037882.D
 Acq: 24 Apr 2020 19:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 407841
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.4 82.5
 132 92.2 65.0 120.6
 130 99.1 65.5 121.7

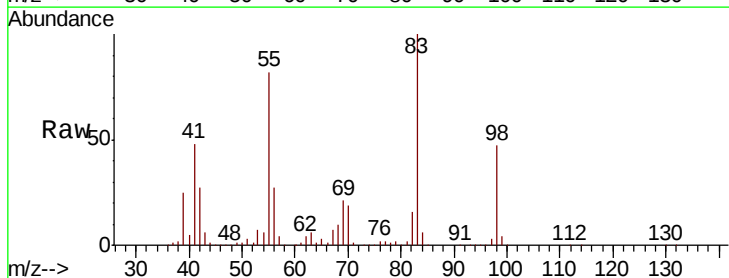


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

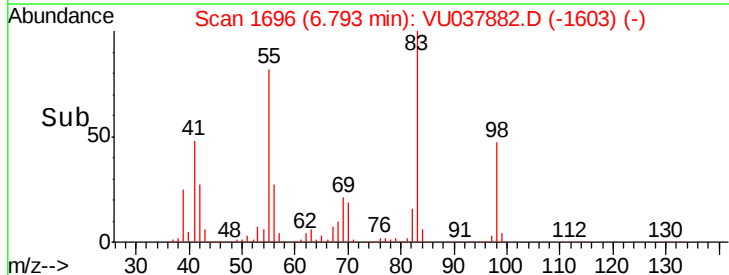
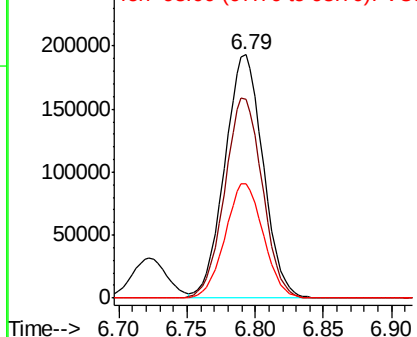


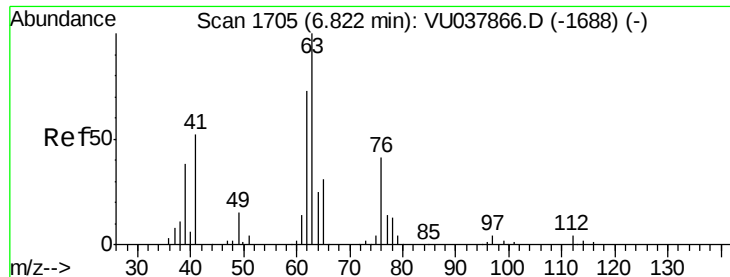
#35
 Methylcyclohexane
 Concen: 49.354 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU037882.D
 Acq: 24 Apr 2020 19:49

Tgt Ion: 83 Resp: 375454
 Ion Ratio Lower Upper
 83 100
 55 81.1 66.3 99.5
 98 46.9 37.4 56.0



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

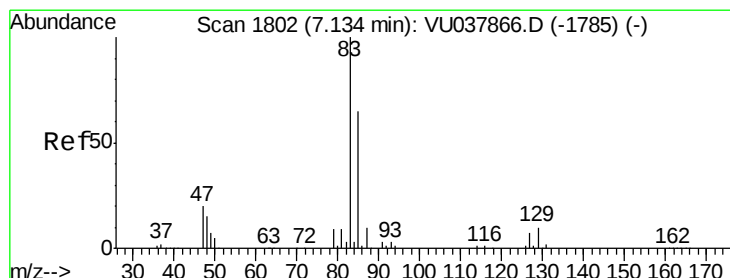
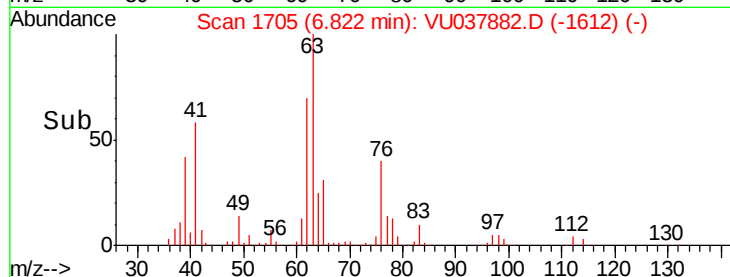
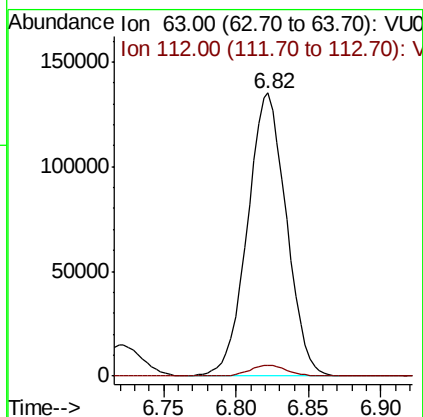
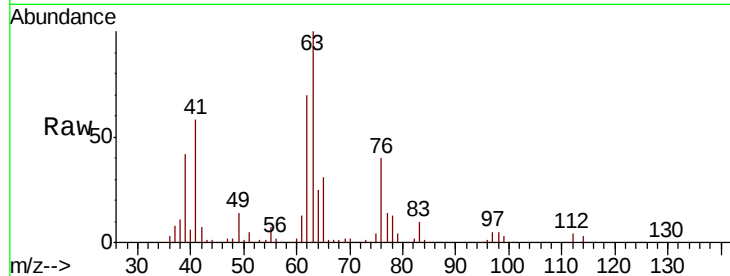




#37
 1,2-Dichloropropane
 Concen: 51.854 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037882.D
 Acq: 24 Apr 2020 19:49

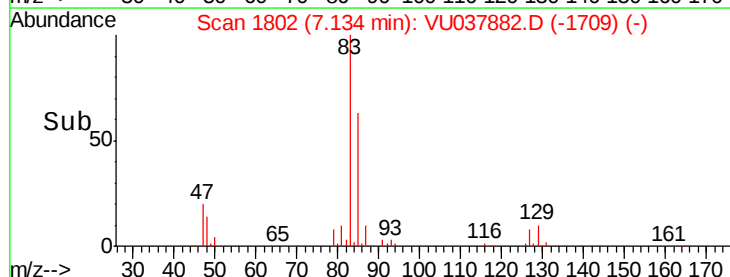
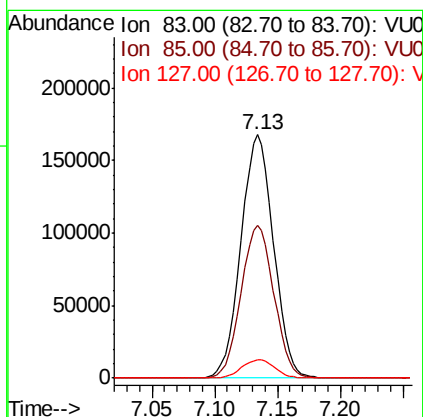
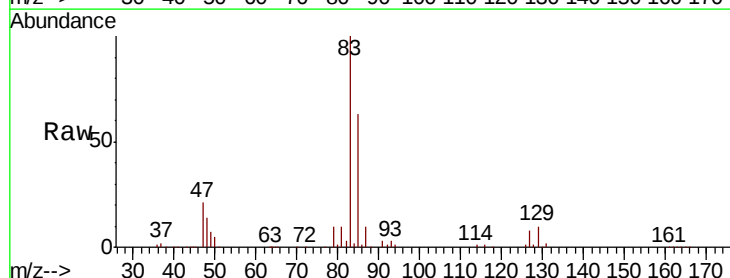
Instrument :
 MSVOA_U
 ClientSampled :

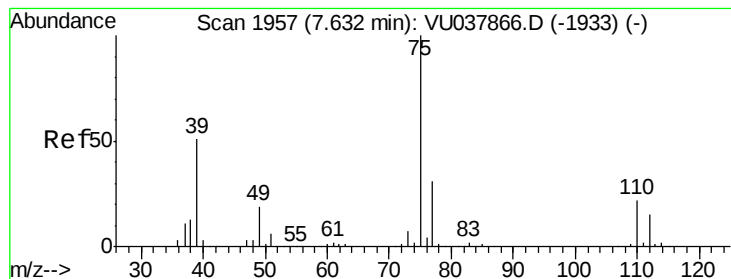
Tot Ion: 63 Resp: 250843
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.4



#38
 Bromodichloromethane
 Concen: 52.027 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037882.D
 Acq: 24 Apr 2020 19:49

Tgt Ion: 83 Resp: 304076
 Ion Ratio Lower Upper
 83 100
 85 62.7 43.3 80.3
 127 7.5 6.2 9.2



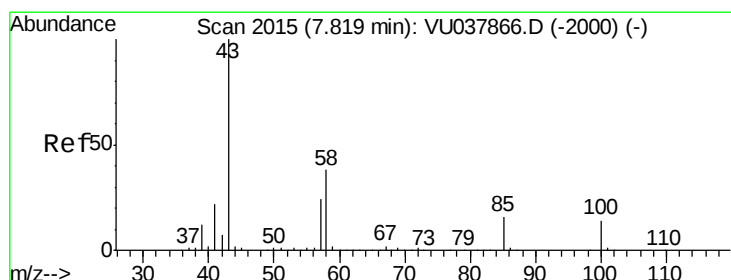
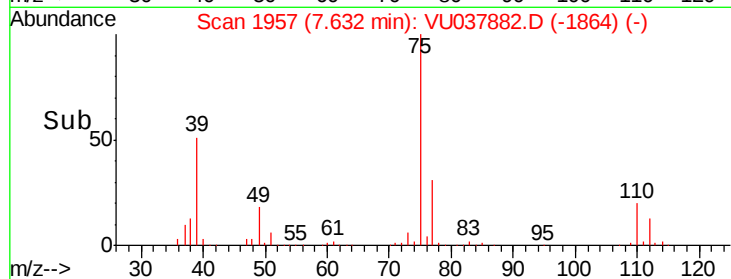
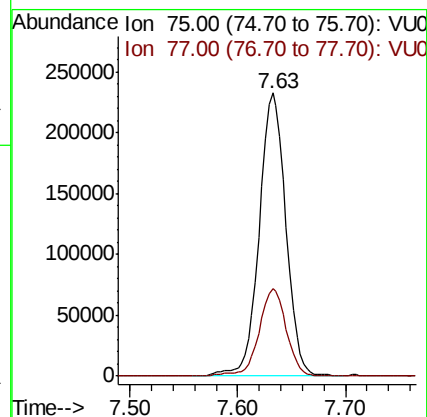
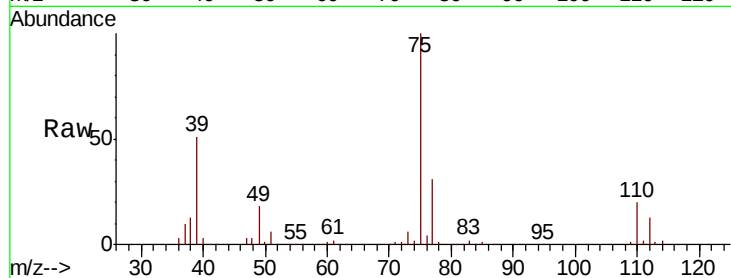


#39

cis-1,3-Dichloropropene
 Concen: 51.558 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037882.D
 Acq: 24 Apr 2020 19:49

Instrument :
 MSVOA_U
 ClientSampleId :

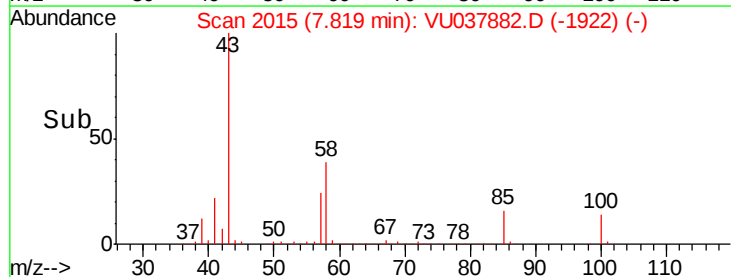
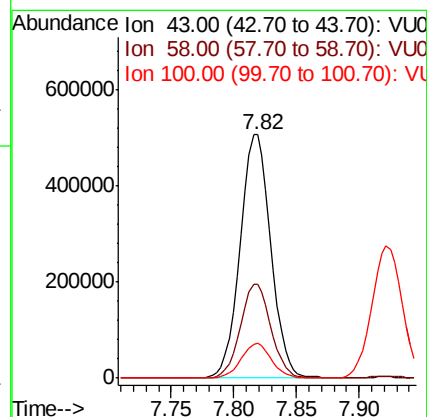
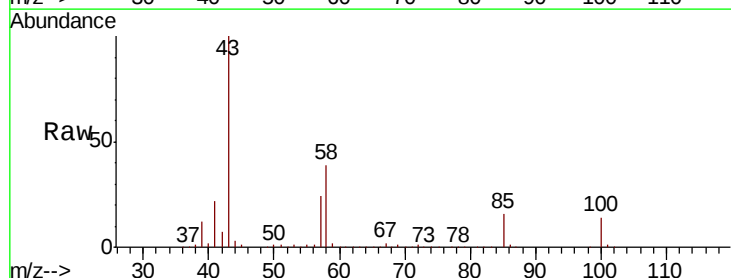
Tot Ion: 75 Resp: 399327
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.7 40.3

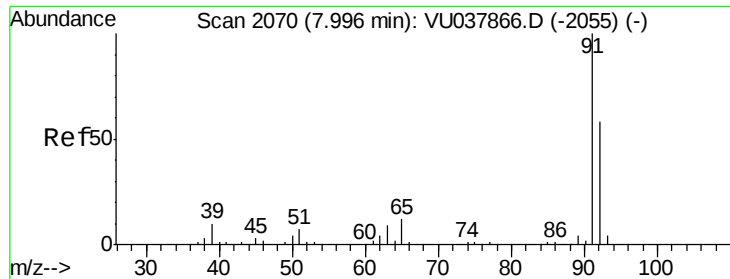


#40

4-Methyl-2-pentanone
 Concen: 102.485 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037882.D
 Acq: 24 Apr 2020 19:49

Tgt Ion: 43 Resp: 862176
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.2 45.2
 100 14.0 10.9 16.3





#42

Toluene

Concen: 51.320 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

Instrument :

MSVOA_U

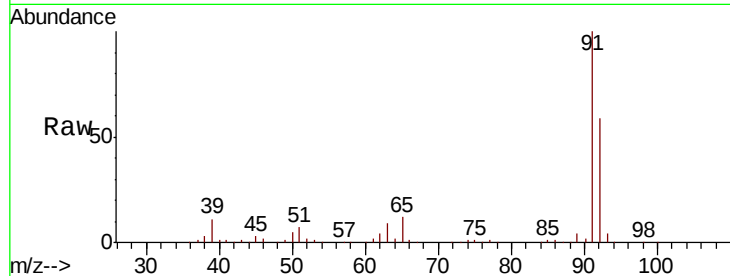
ClientSampleId :

Tot Ion: 91 Resp: 953006

Ion Ratio Lower Upper

91 100

92 59.1 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VU037866.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU037866.D (-2055) (-)

7.99

600000

500000

400000

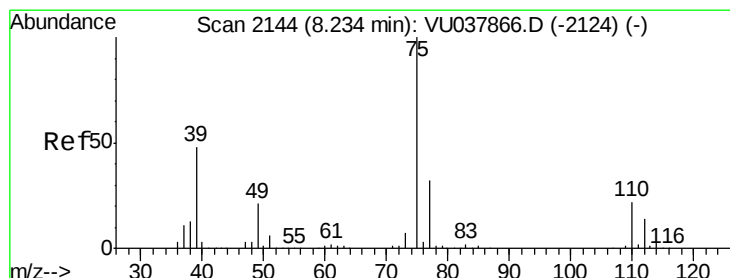
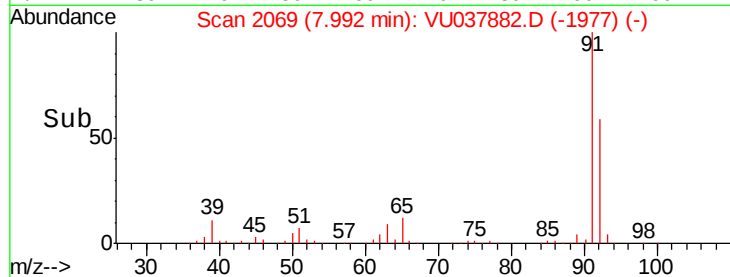
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 50.881 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037882.D

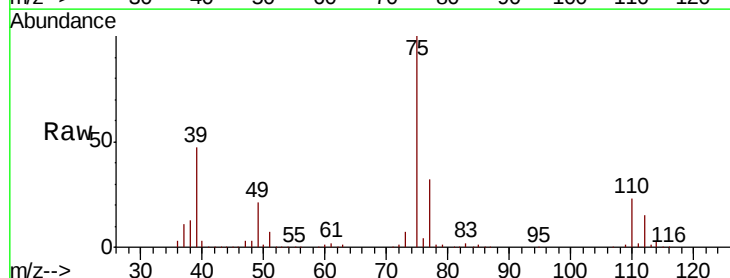
Acq: 24 Apr 2020 19:49

Tgt Ion: 75 Resp: 380392

Ion Ratio Lower Upper

75 100

77 31.6 21.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU037866.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU037866.D (-2124) (-)

8.23

250000

200000

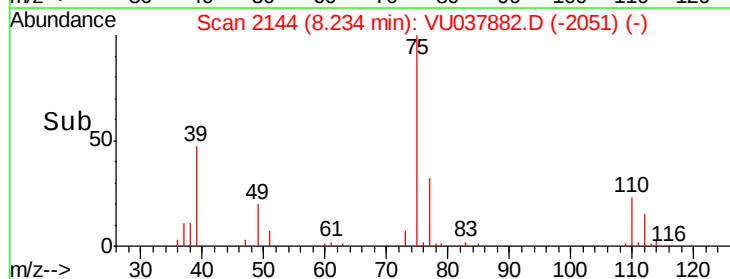
150000

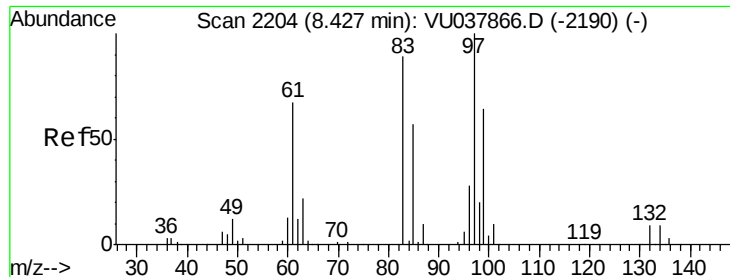
100000

50000

0

Time--> 8.15 8.20 8.25 8.30

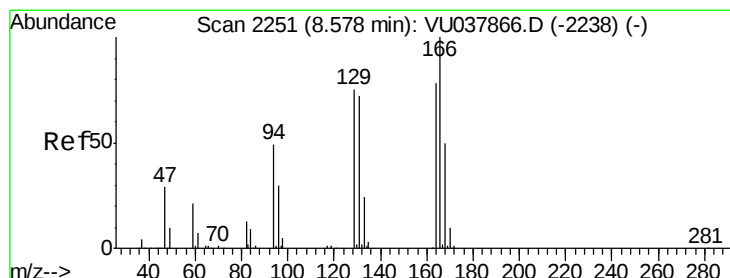
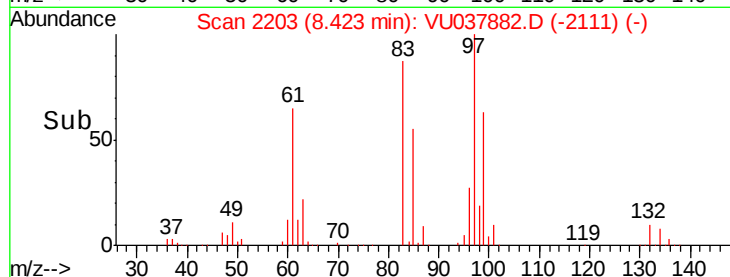
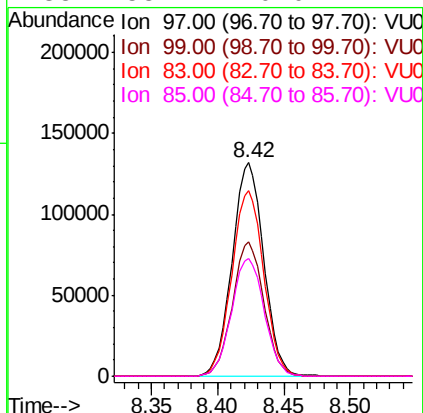
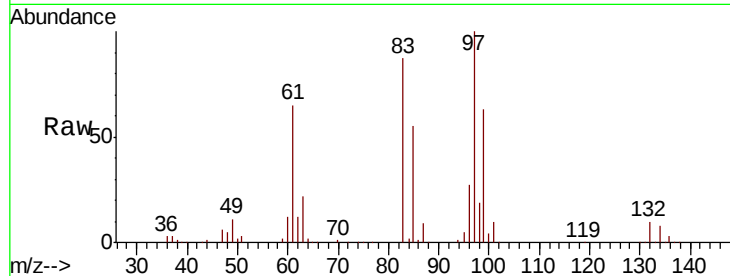




#45
 1,1,2-Trichloroethane
 Concen: 51.920 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU037882.D
 Acq: 24 Apr 2020 19:49

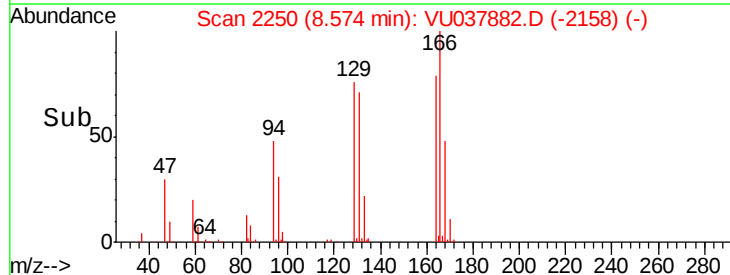
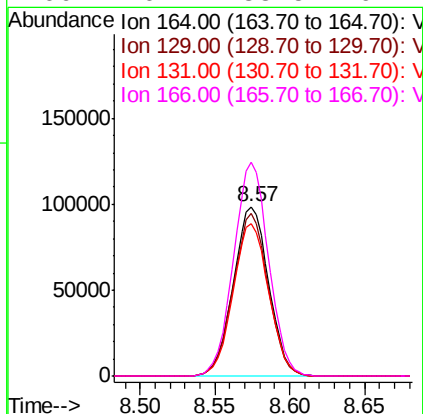
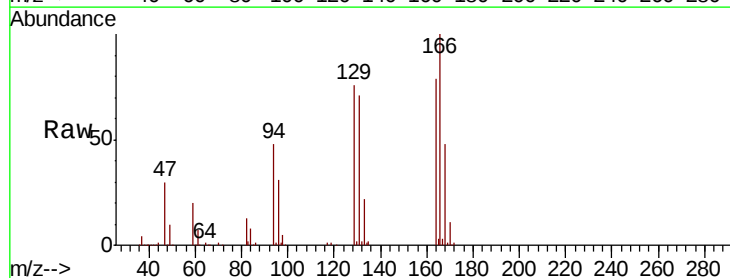
Instrument :
 MSVOA_U
 ClientSampleId :

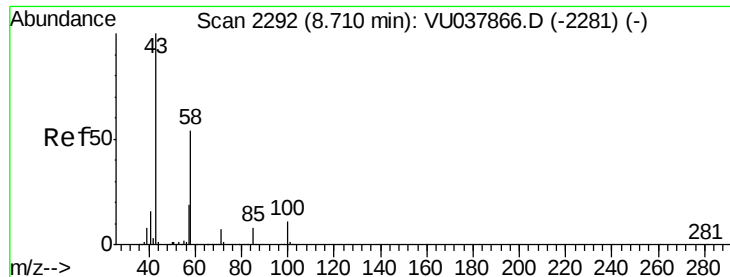
Tot Ion:	97	Resp:	219103
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.0	81.6
83	86.7	62.6	116.2
85	55.2	40.0	74.4



#46
 Tetrachloroethene
 Concen: 50.880 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037882.D
 Acq: 24 Apr 2020 19:49

Tgt Ion:	164	Resp:	161566
Ion	Ratio	Lower	Upper
164	100		
129	95.9	67.3	125.1
131	90.2	64.8	120.4
166	126.4	88.5	164.4

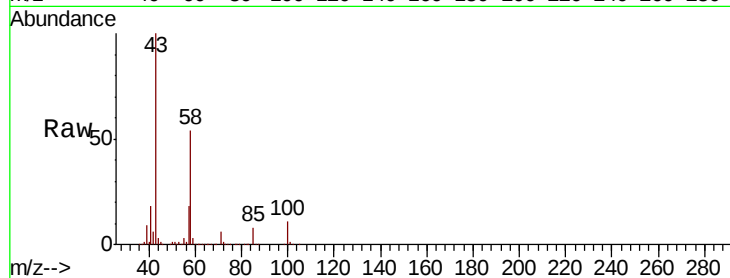




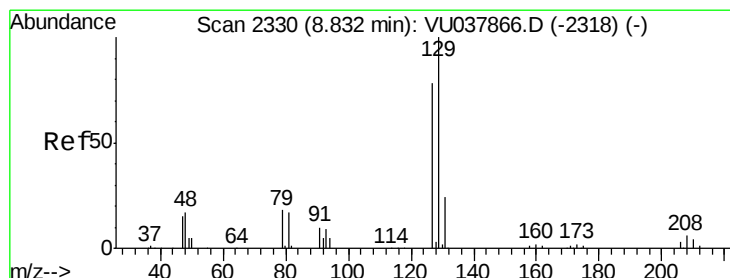
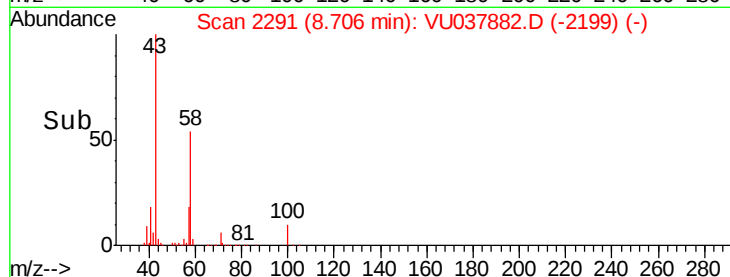
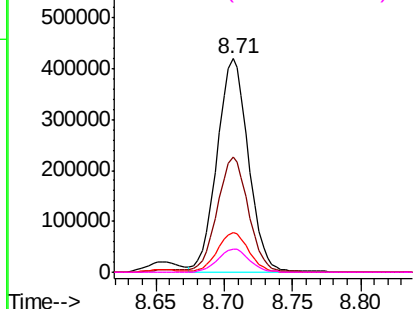
#48
2-Hexanone
Concen: 99.899 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037882.D
Acq: 24 Apr 2020 19:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 664498
Ion Ratio Lower Upper
43 100
58 54.1 42.6 63.8
57 18.8 14.6 22.0
100 11.1 8.6 13.0

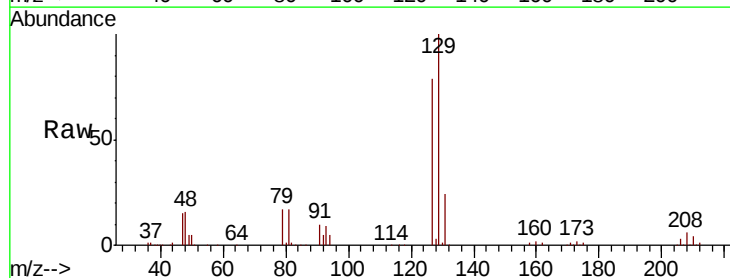


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

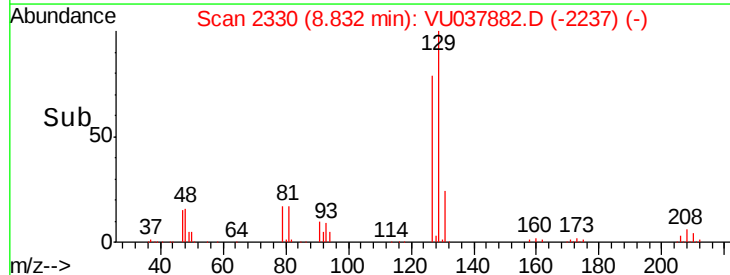
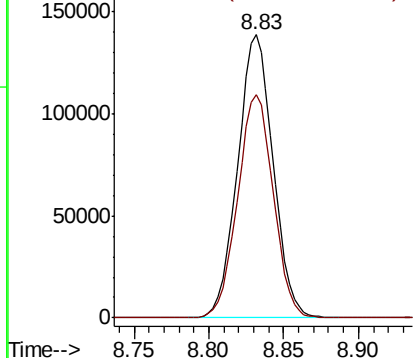


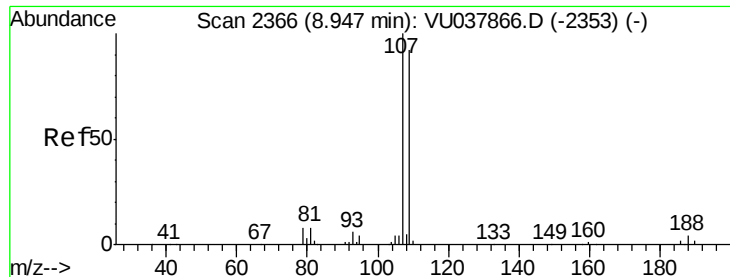
#49
Dibromochloromethane
Concen: 51.966 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037882.D
Acq: 24 Apr 2020 19:49

Tgt Ion: 129 Resp: 228990
Ion Ratio Lower Upper
129 100
127 78.8 54.7 101.5



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

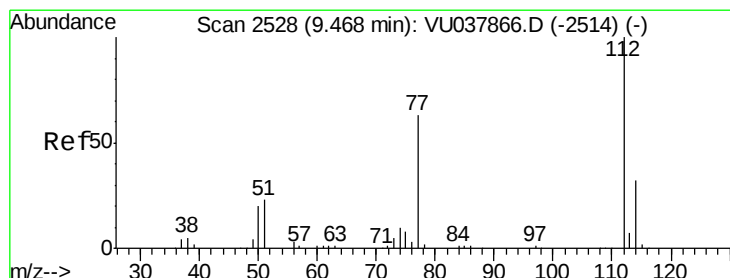
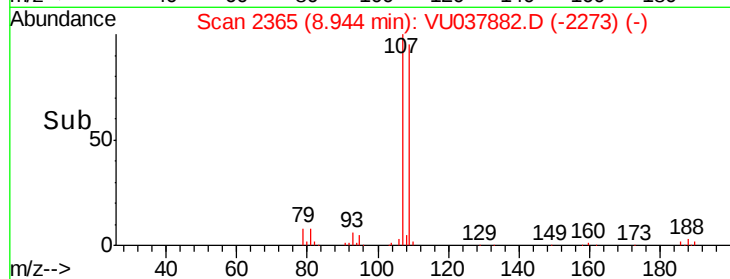
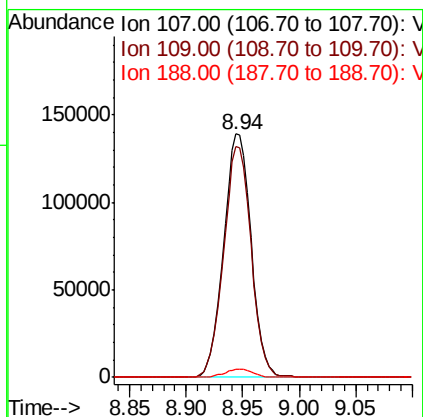
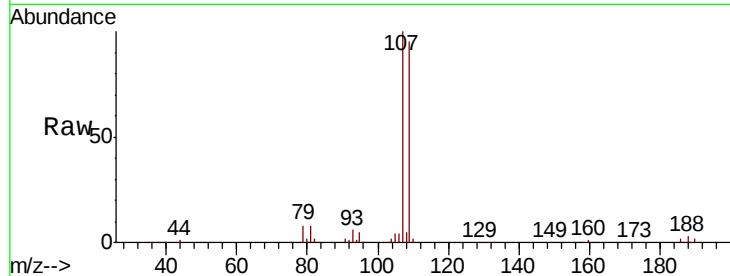




#50
 1,2-Dibromoethane
 Concen: 51.370 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU037882.D
 Acq: 24 Apr 2020 19:49

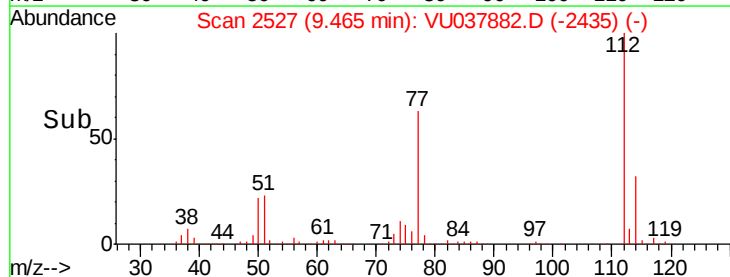
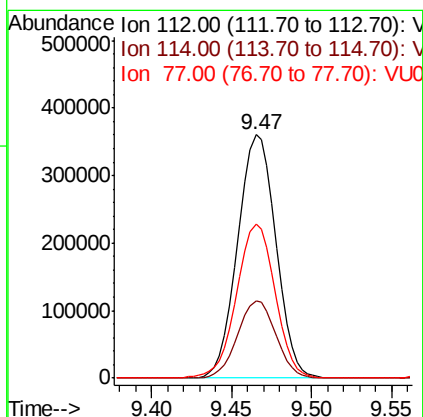
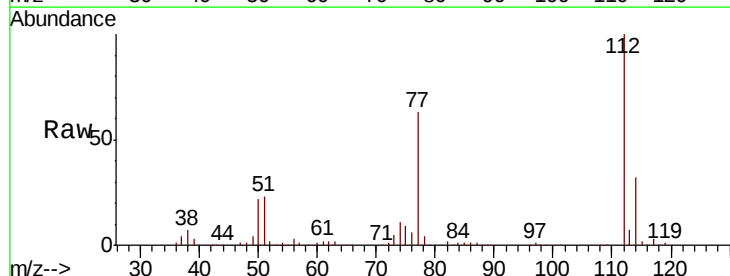
Instrument :
 MSVOA_U
 ClientSampleId :

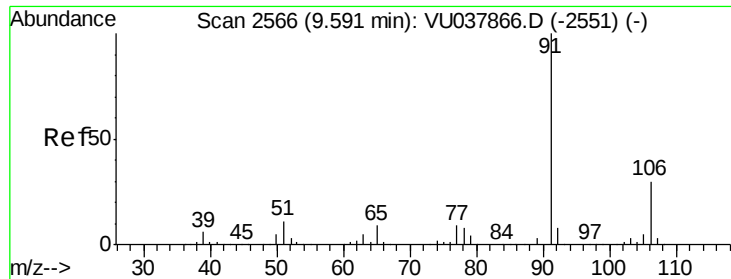
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	65.7	122.1
188	3.4	2.9	4.3



#51
 Chlorobenzene
 Concen: 50.815 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU037882.D
 Acq: 24 Apr 2020 19:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.3
77	63.1	49.8	74.6





#52

Ethylbenzene

Concen: 51.087 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

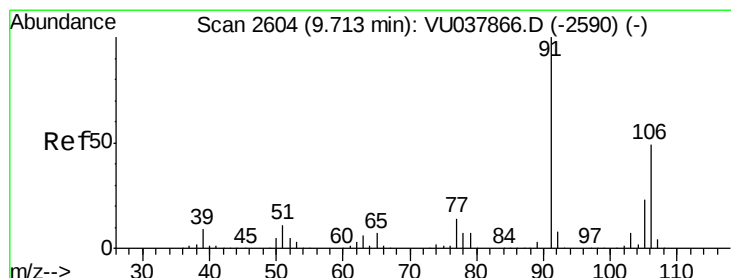
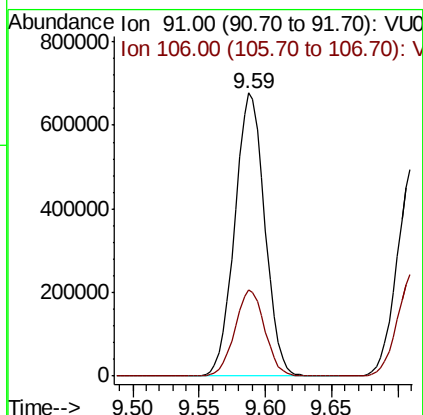
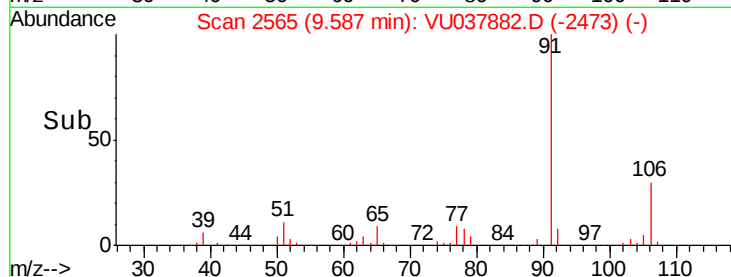
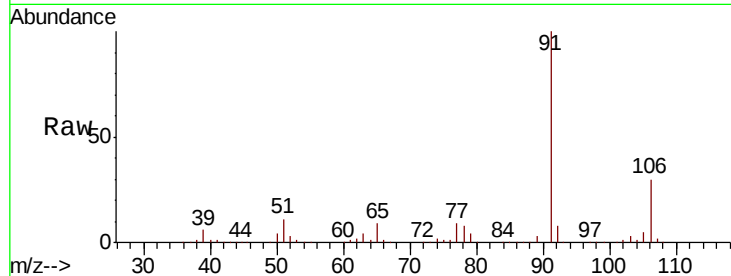
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 1062372

Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.1



#53

m,p-Xylene

Concen: 50.953 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037882.D

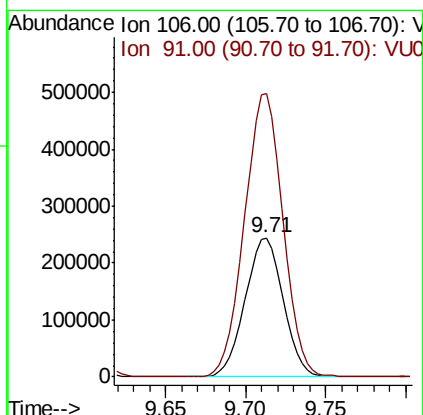
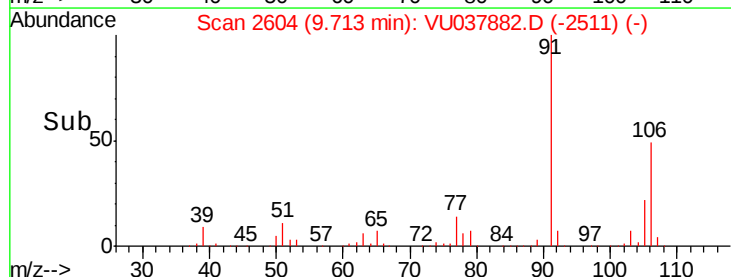
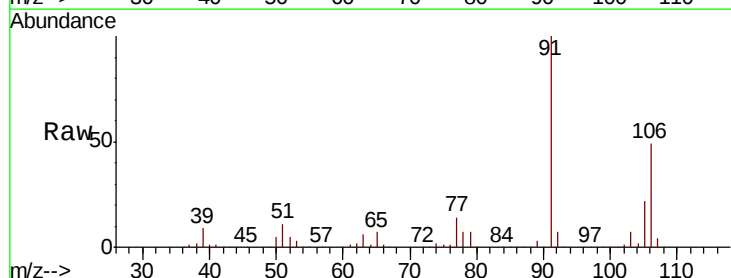
Acq: 24 Apr 2020 19:49

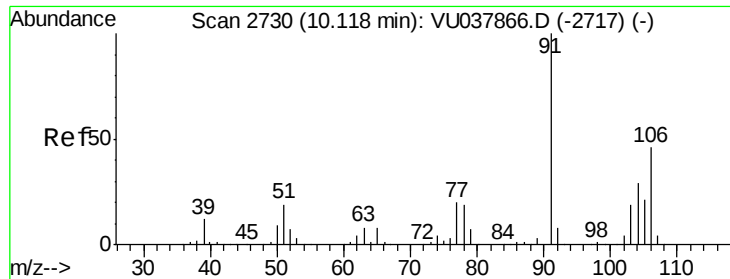
Tgt Ion: 106 Resp: 398944

Ion Ratio Lower Upper

106 100

91 203.7 142.8 265.2

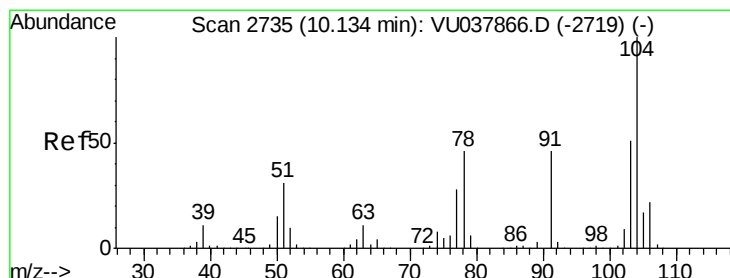
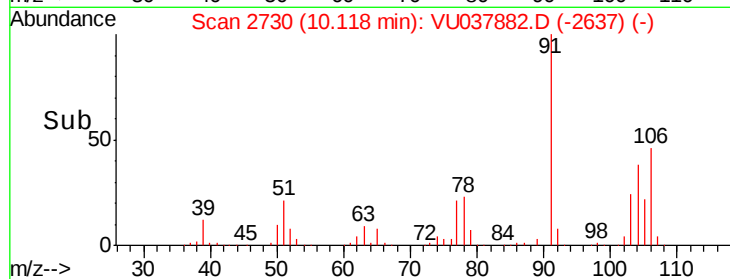
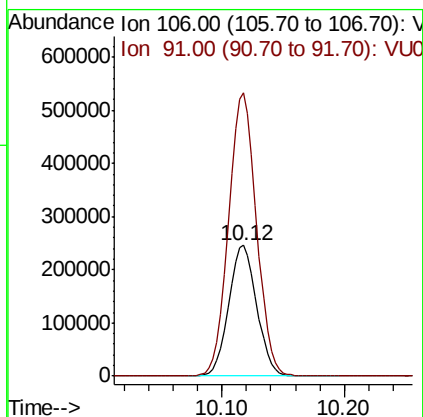
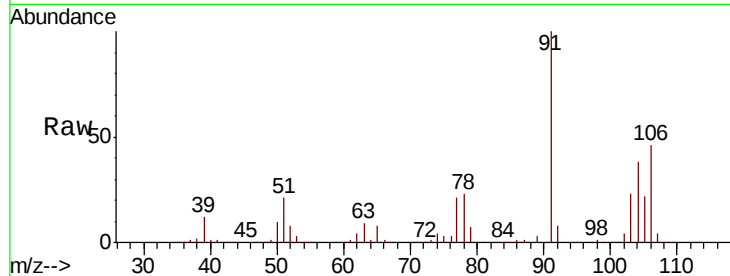




#54
o-xylene
Concen: 51.458 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037882.D
Acq: 24 Apr 2020 19:49

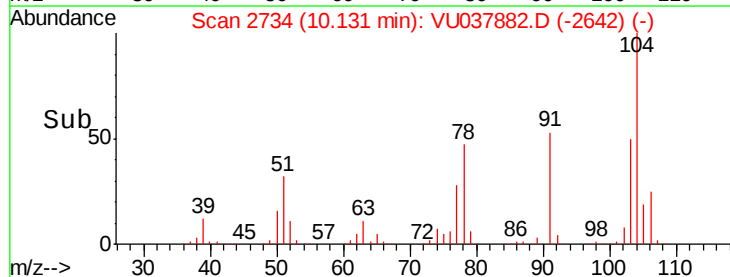
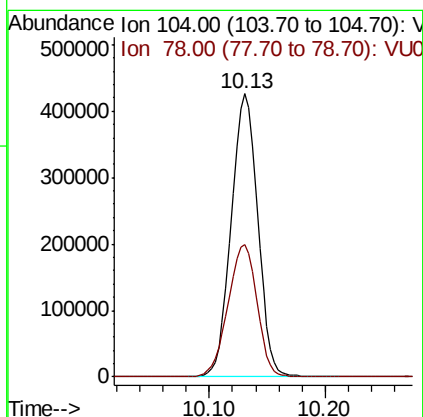
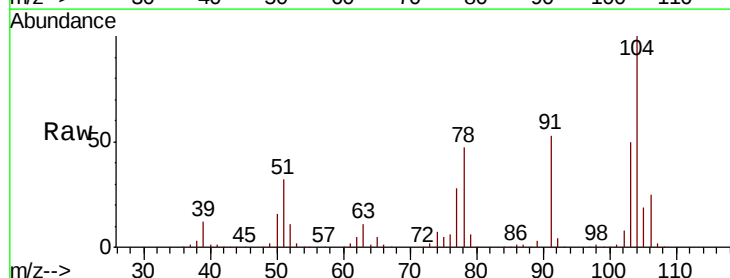
Instrument :
MSVOA_U
ClientSampled :

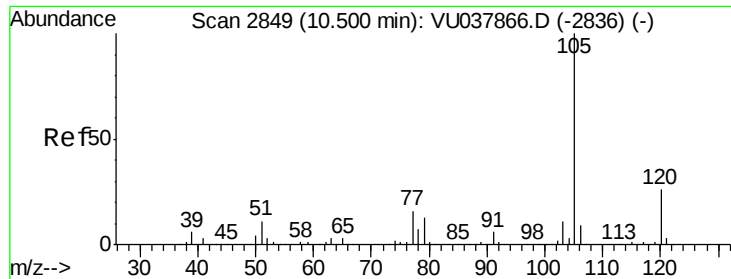
Tot Ion:106 Resp: 394032
Ion Ratio Lower Upper
106 100
91 216.5 150.6 279.6



#55
Styrene
Concen: 51.047 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU037882.D
Acq: 24 Apr 2020 19:49

Tgt Ion:104 Resp: 672227
Ion Ratio Lower Upper
104 100
78 46.6 32.6 60.6





#56

Isopropylbenzene

Concen: 51.102 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

Instrument :

MSVOA_U

ClientSampleId :

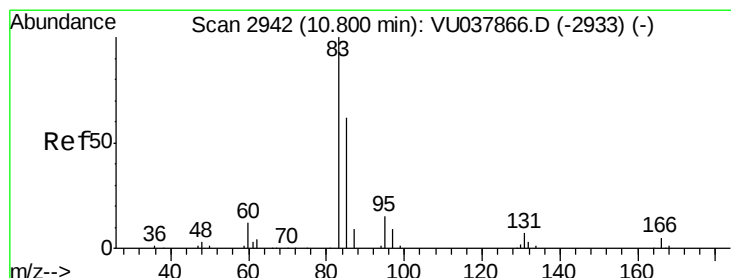
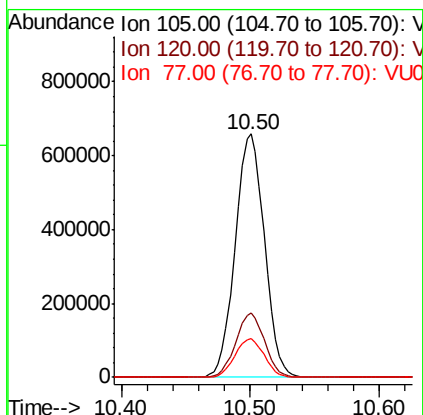
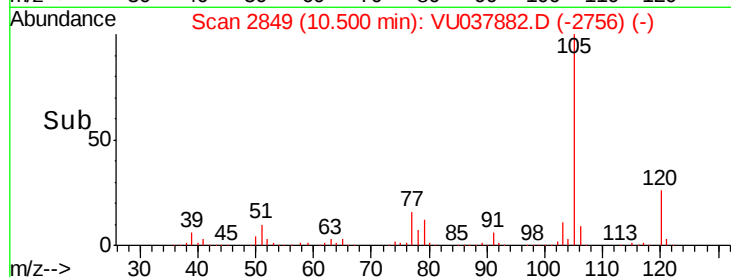
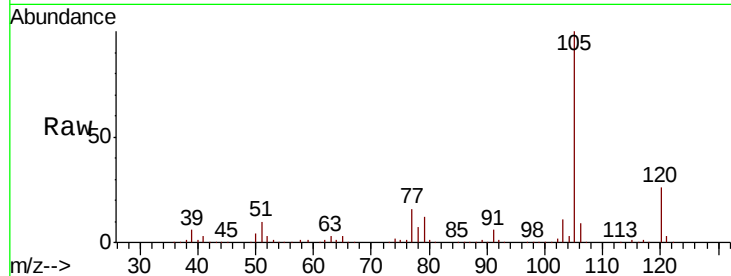
Tot Ion:105 Resp: 1035616

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

77 16.1 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 52.364 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

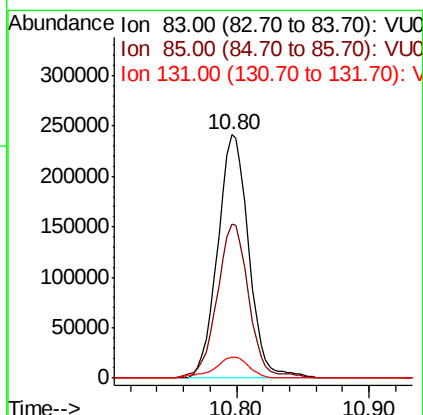
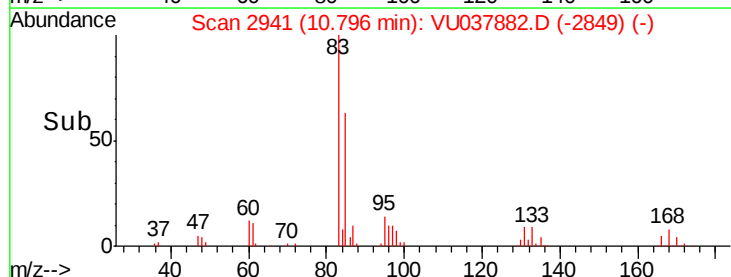
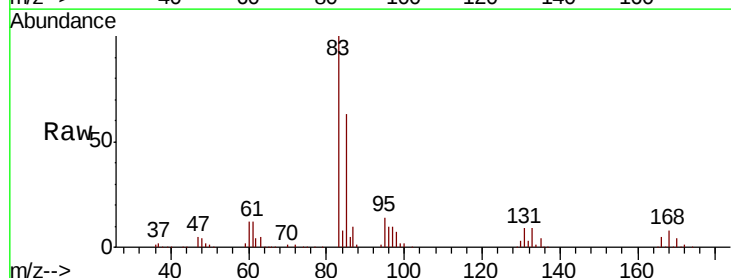
Tgt Ion: 83 Resp: 393002

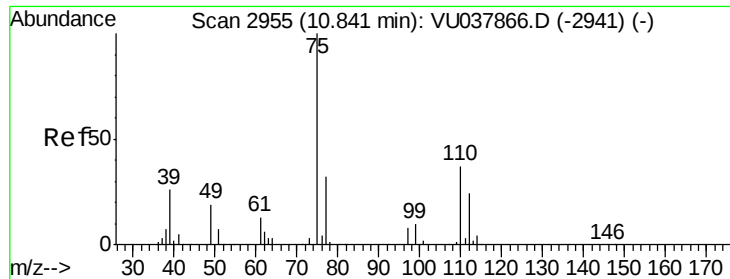
Ion Ratio Lower Upper

83 100

85 63.3 43.8 81.4

131 8.6 7.2 10.8





#59

1,2,3-Trichloropropane

Concen: 51.444 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

Instrument :

MSVOA_U

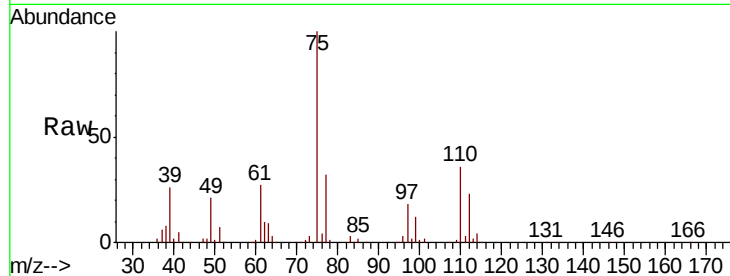
ClientSampleId :

Tot Ion: 75 Resp: 334298

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU037866.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU037866.D (-2941) (-)

10.84

200000

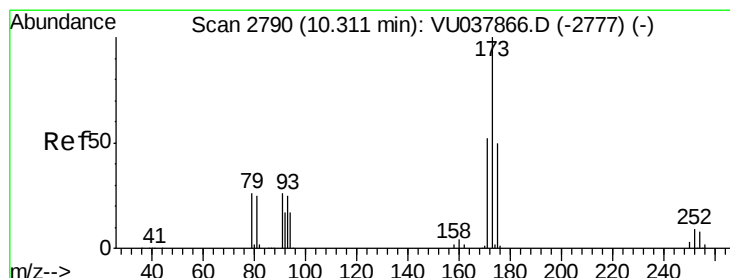
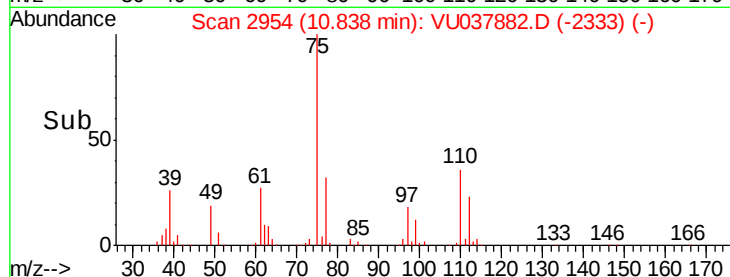
150000

100000

50000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 57.367 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

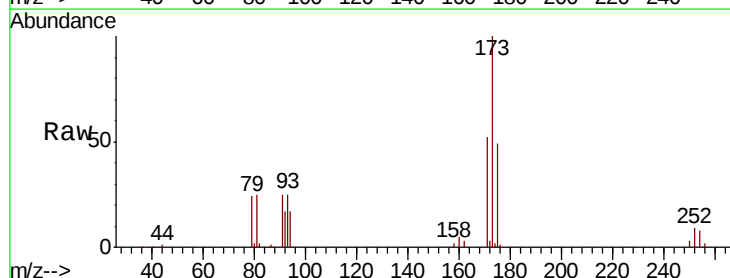
Tgt Ion:173 Resp: 173979

Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

254 7.9 5.8 8.8



Abundance Ion 173.00 (172.70 to 173.70): VU037866.D (-2777) (-)

Ion 175.00 (174.70 to 175.70): VU037866.D (-2777) (-)

Ion 254.00 (253.70 to 254.70): VU037866.D (-2777) (-)

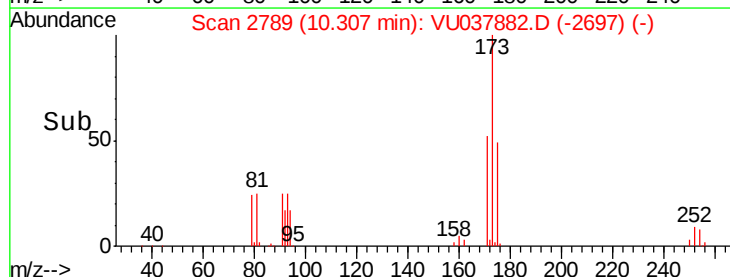
10.31

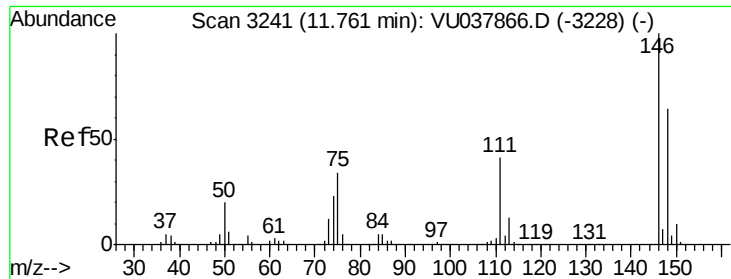
100000

50000

0

Time--> 10.25 10.30 10.35

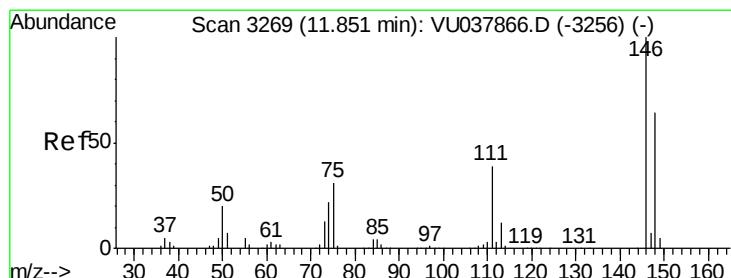
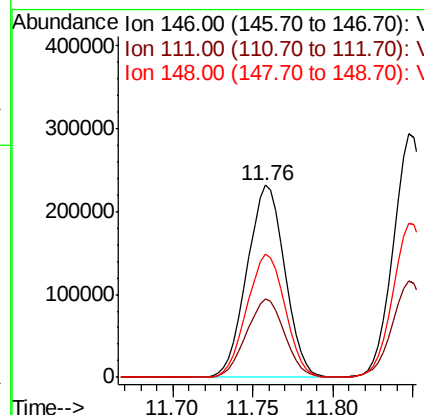
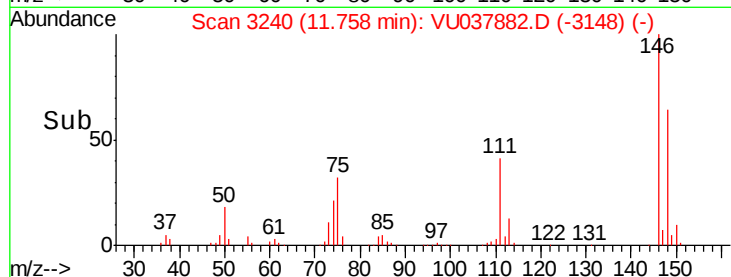
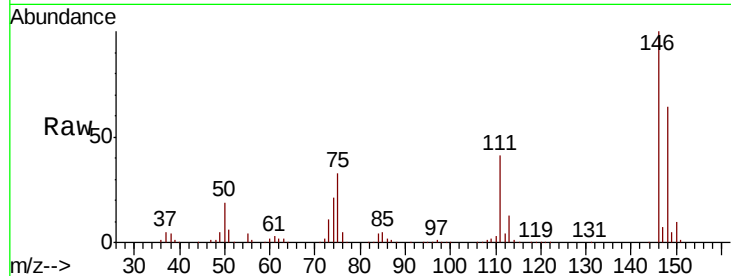




#62
 1,3-Dichlorobenzene
 Concen: 44.493 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU037882.D
 Acq: 24 Apr 2020 19:49

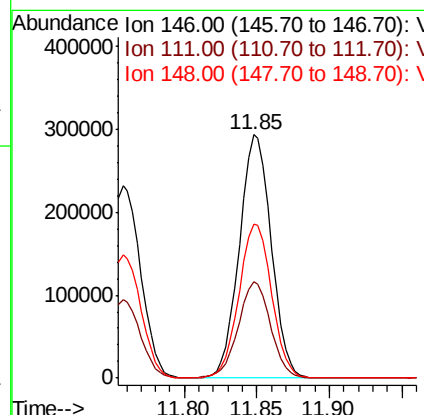
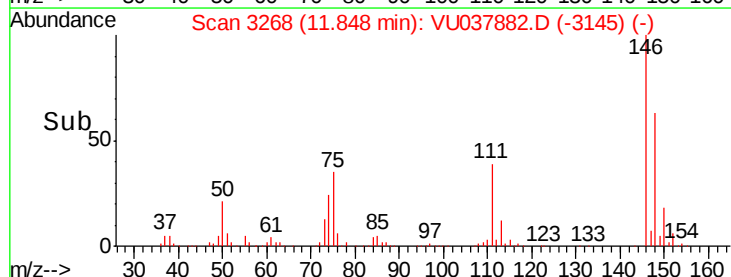
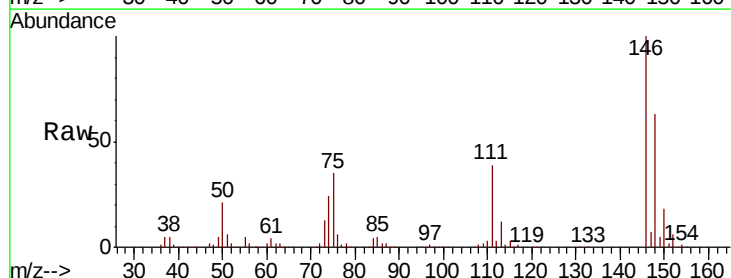
Instrument :
 MSVOA_U
 ClientSampleId :

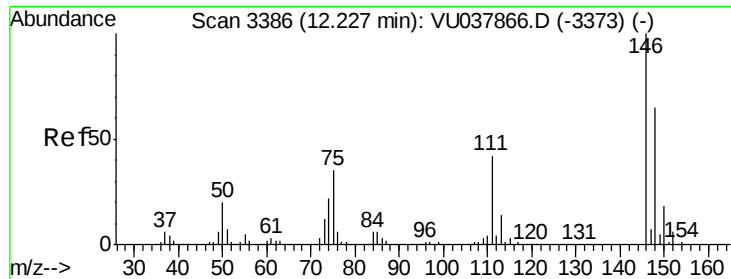
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	29.0	53.9
148	64.2	44.5	82.7



#63
 1,4-Dichlorobenzene
 Concen: 52.876 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU037882.D
 Acq: 24 Apr 2020 19:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	27.2	50.4
148	63.4	43.9	81.5





#65

1,2-Dichlorobenzene

Concen: 55.067 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

Instrument :

MSVOA_U

ClientSampleId :

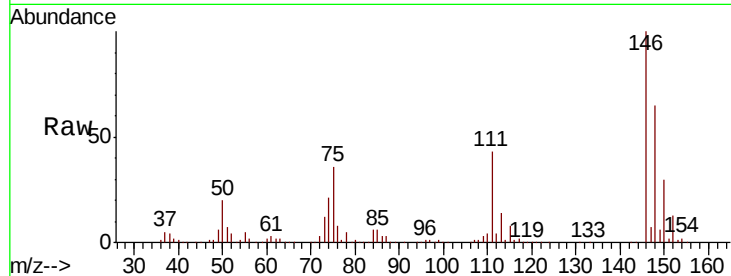
Tot Ion:146 Resp: 451486

Ion Ratio Lower Upper

146 100

111 42.9 35.4 53.2

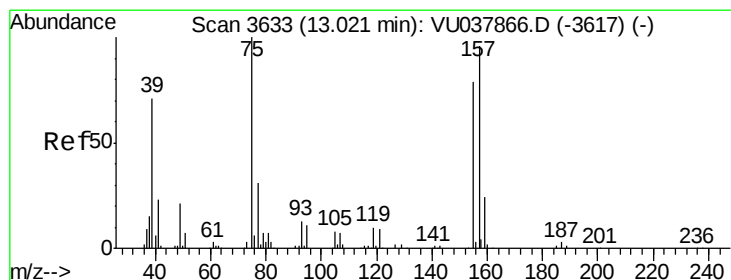
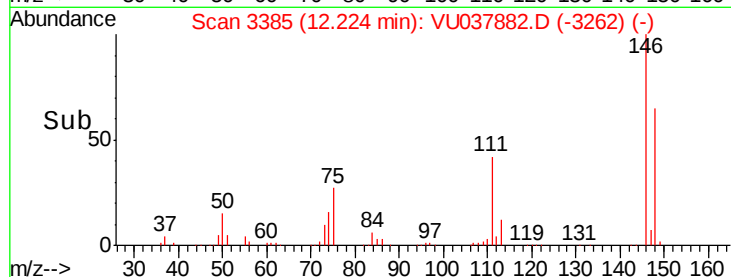
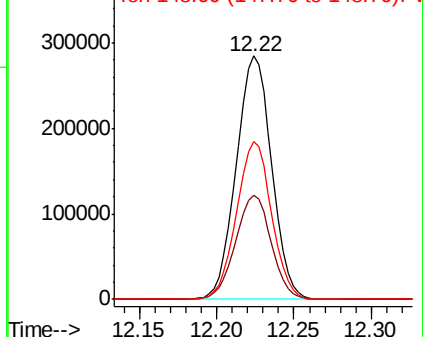
148 64.9 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 53.305 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.01 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

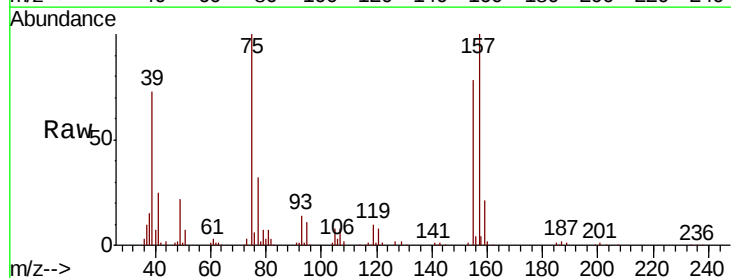
Tgt Ion: 75 Resp: 97399

Ion Ratio Lower Upper

75 100

155 77.7 59.6 89.4

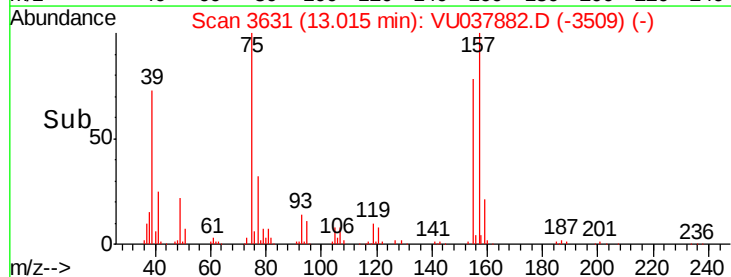
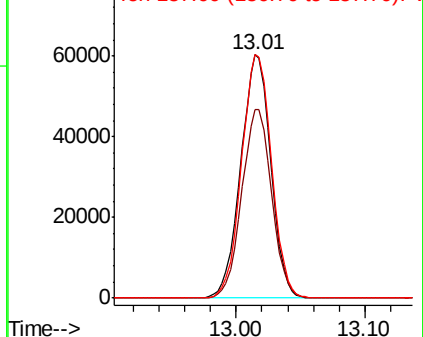
157 100.1 77.2 115.8

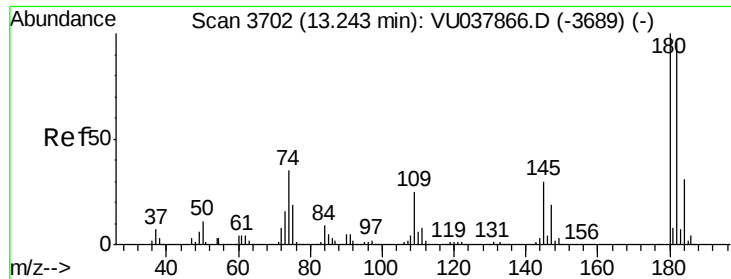


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

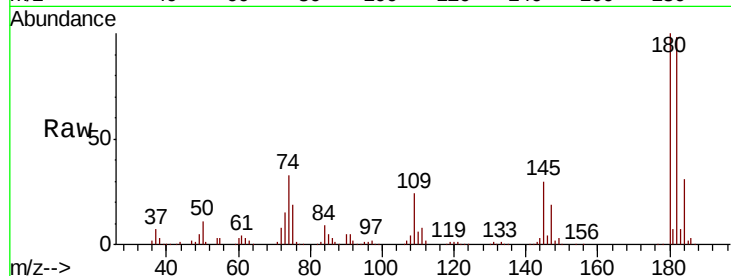




#67
 1,3,5-Trichlorobenzene
 Concen: 53.548 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037882.D
 Acq: 24 Apr 2020 19:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	328336
Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.5	114.7
184	30.6	24.2	36.4
145	29.7	24.2	36.4



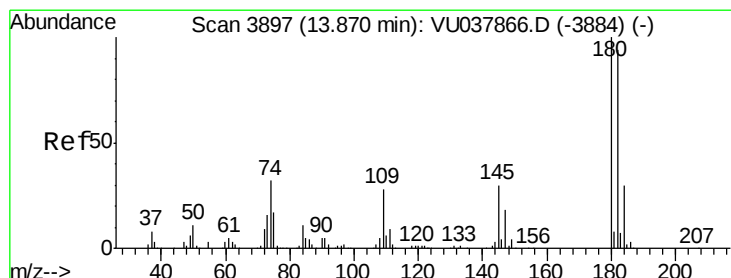
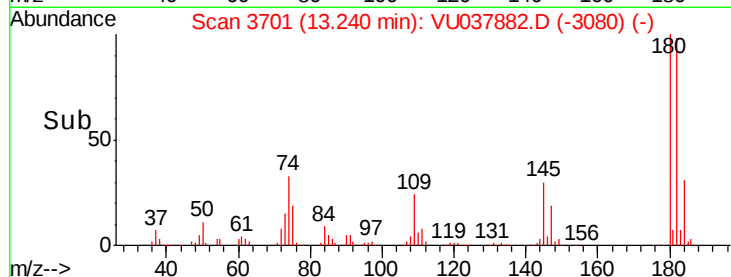
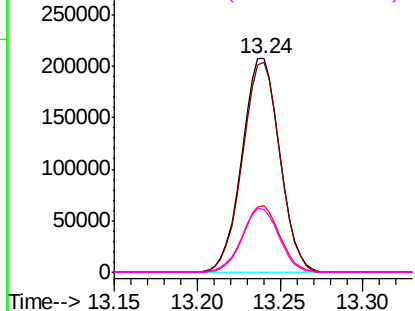
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

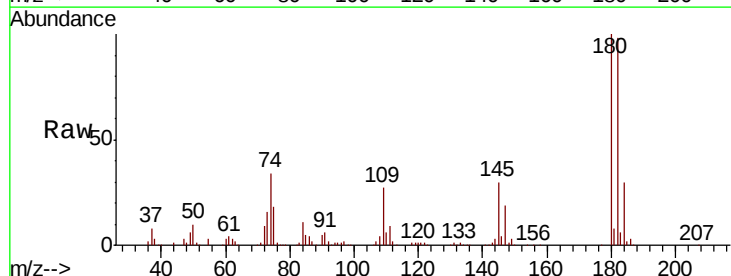
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.845 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU037882.D
 Acq: 24 Apr 2020 19:49

Tgt Ion:	180	Resp:	315137
Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.9	115.3
145	30.5	23.8	35.8

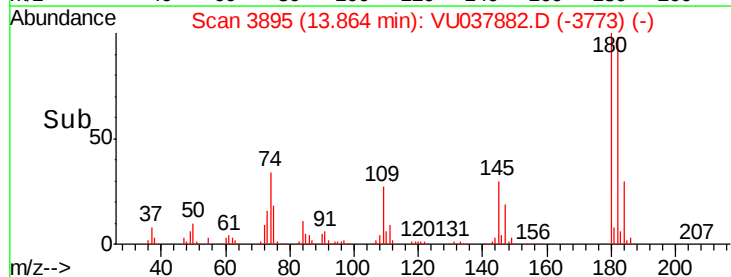
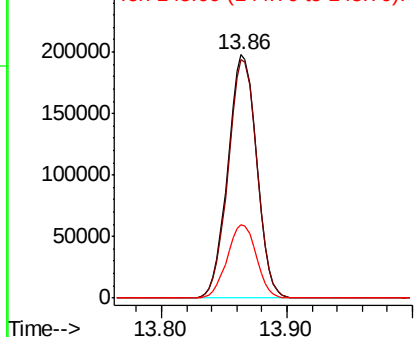


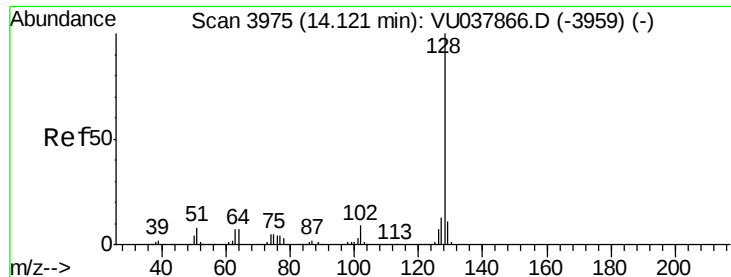
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 53.380 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

Instrument :

MSVOA_U

ClientSampleId :

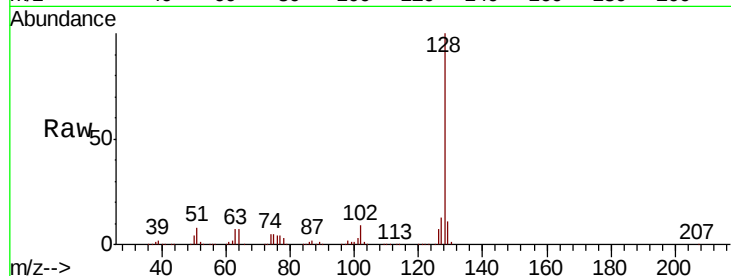
Tot Ion:128 Resp: 1141504

Ion Ratio Lower Upper

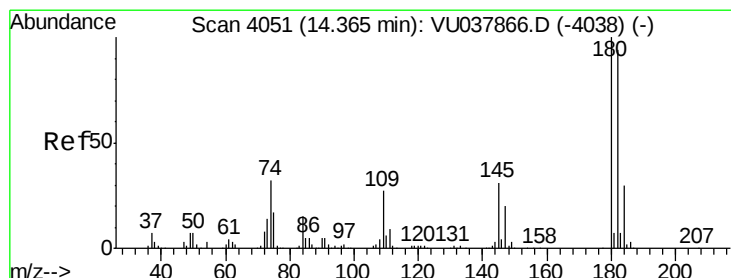
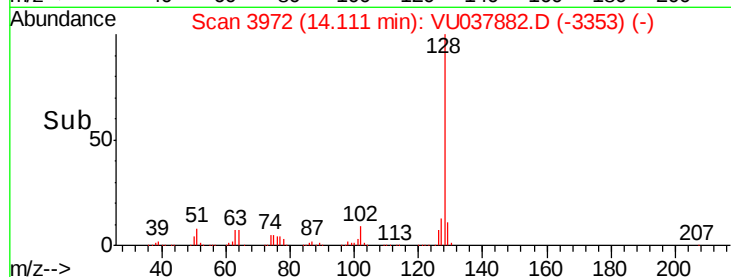
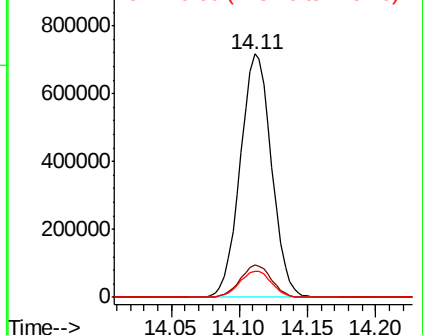
128 100

127 13.2 10.5 15.7

129 11.0 8.6 13.0



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: 54.452 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU037882.D

Acq: 24 Apr 2020 19:49

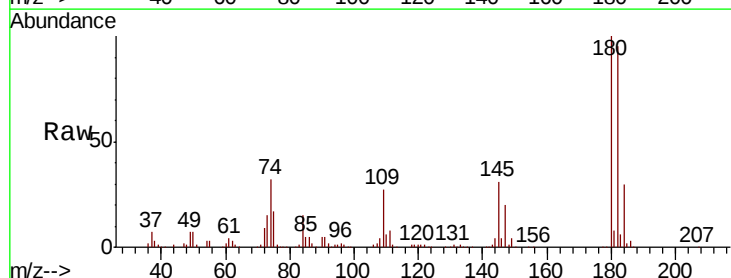
Tgt Ion:180 Resp: 320651

Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 32.1 26.1 39.1



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

