

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072420\
 Data File : VU039677.D
 Acq On : 24 Jul 2020 20:14
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 25 06:52:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 25 06:47:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	202906	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	202375	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	112233	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	60058	45.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.92%
7) Chloroethane-d5	1.92	69	70868	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.54%
11) 1,1-Dichloroethene-d2	2.58	63	134469	48.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.18%
21) 2-Butanone-d5	4.65	46	144616	94.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.83%
24) Chloroform-d	5.08	84	144832	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.52%
26) 1,2-Dichloroethane-d4	5.72	65	99544	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.78%
32) Benzene-d6	5.75	84	268660	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.62%
36) 1,2-Dichloropropane-d6	6.71	67	87728	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.22%
41) Toluene-d8	7.91	98	254071	48.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.10%
43) trans-1,3-Dichloropropene-	8.19	79	43686	46.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.94%
47) 2-Hexanone-d5	8.64	63	99235	98.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.72%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	141771	48.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.16%
64) 1,2-Dichlorobenzene-d4	12.19	152	116592	47.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.02%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	75061	54.311	ug/L	98
3) Chloromethane	1.53	50	74531	51.898	ug/L	94
5) Vinyl chloride	1.61	62	76233	52.244	ug/L	99
6) Bromomethane	1.86	94	73779	67.290	ug/L	98
8) Chloroethane	1.94	64	59659	45.974	ug/L	98
9) Trichlorofluoromethane	2.15	101	138860	53.849	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	68554	55.232	ug/L	98
12) 1,1-Dichloroethene	2.59	96	63292	54.680	ug/L	92
13) Acetone	2.65	43	93287	91.920	ug/L	100
14) Carbon disulfide	2.81	76	193217	52.168	ug/L	98
15) Methyl Acetate	2.96	43	99245	54.586	ug/L	100
16) Methylene chloride	3.06	84	76109	54.904	ug/L	97
17) trans-1,2-Dichloroethene	3.37	96	67804	52.642	ug/L	97
18) Methyl tert-butyl Ether	3.38	73	231411	55.598	ug/L	99
19) 1,1-Dichloroethane	3.89	63	137682	54.776	ug/L	98
20) cis-1,2-Dichloroethene	4.69	96	79453	53.977	ug/L	96
22) 2-Butanone	4.73	43	150018	104.889	ug/L	99

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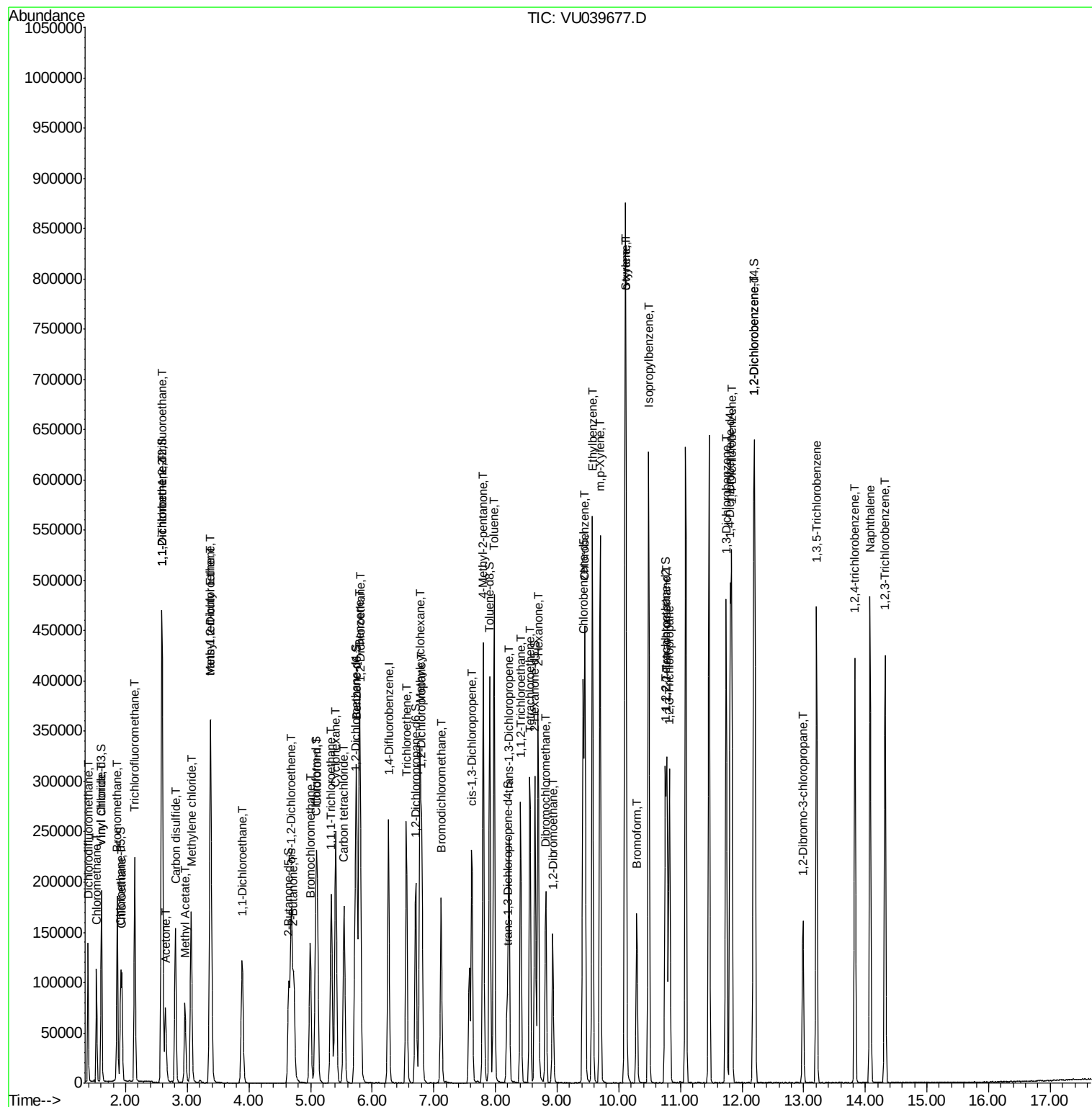
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	40727	55.053	ug/L	96
25) Chloroform	5.11	83	150342	53.924	ug/L	98
27) 1,2-Dichloroethane	5.81	62	122114	52.821	ug/L	100
29) Cyclohexane	5.41	56	120597	54.851	ug/L	99
30) 1,1,1-Trichloroethane	5.34	97	131150	54.133	ug/L	98
31) Carbon tetrachloride	5.54	117	114051	56.751	ug/L	99
33) Benzene	5.79	78	305233	54.725	ug/L	100
34) Trichloroethene	6.56	95	82699	56.057	ug/L	99
35) Methylcyclohexane	6.78	83	120218	52.702	ug/L	99
37) 1,2-Dichloropropane	6.81	63	81446	53.936	ug/L	100
38) Bromodichloromethane	7.12	83	109465	54.584	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	120967	53.603	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	286996	109.094	ug/L	99
42) Toluene	7.98	91	337424	55.011	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	121923	55.168	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	79762	55.389	ug/L	97
46) Tetrachloroethene	8.56	164	62074	55.627	ug/L	96
48) 2-Hexanone	8.69	43	236221	110.199	ug/L	99
49) Dibromochloromethane	8.82	129	89699	55.168	ug/L	99
50) 1,2-Dibromoethane	8.93	107	90122	56.253	ug/L	99
51) Chlorobenzene	9.45	112	217455	55.561	ug/L	97
52) Ethylbenzene	9.57	91	383819	56.626	ug/L	98
53) m,p-Xylene	9.70	106	147984	57.919	ug/L	93
54) o-xylene	10.10	106	142409	58.080	ug/L	98
55) Styrene	10.11	104	252721	59.561	ug/L	98
56) Isopropylbenzene	10.48	105	389179	58.466	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	143439	54.649	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	118598	54.127	ug/L	100
61) Bromoform	10.29	173	70679	53.239	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	183038	53.240	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	185600	53.888	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	187826	54.066	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	36776	52.917	ug/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	134701	54.330	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	116291	55.270	ug/L	97
69) Naphthalene	14.08	128	367675	58.251	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	118650	55.821	ug/L	100

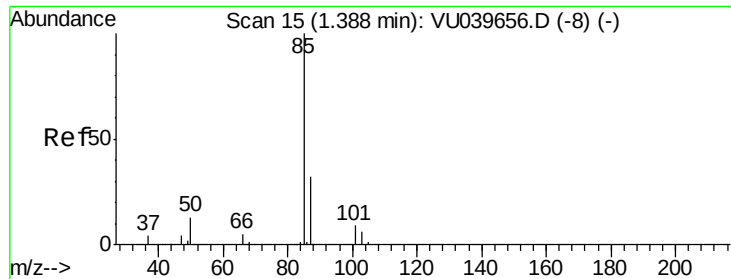
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 54.311 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

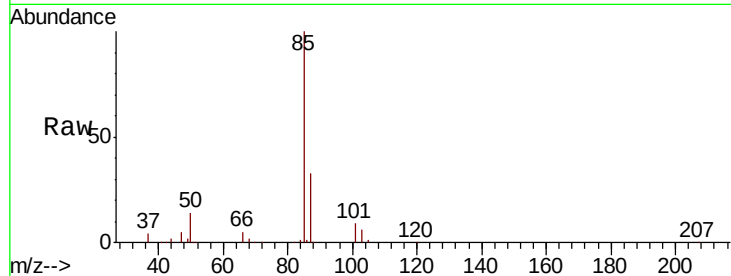
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 75061

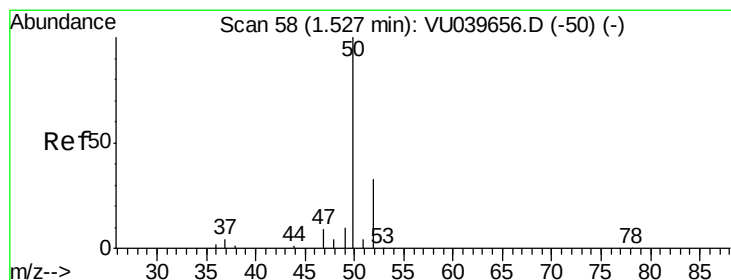
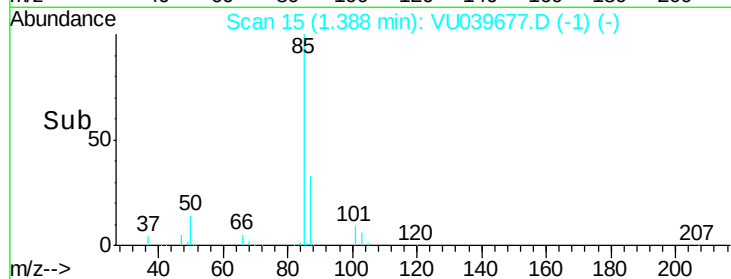
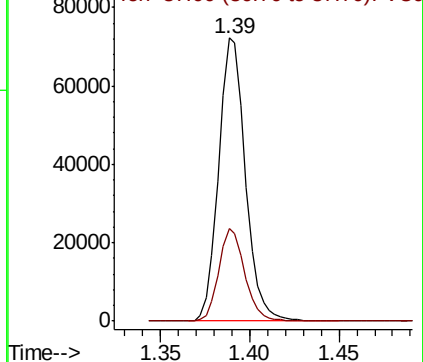
Ion Ratio Lower Upper

85 100

87 31.6 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 51.898 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039677.D

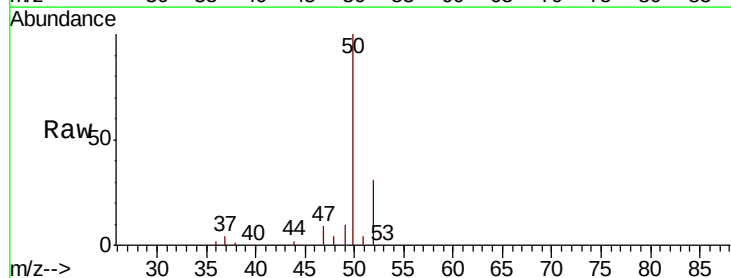
Acq: 24 Jul 2020 20:14

Tgt Ion: 50 Resp: 74531

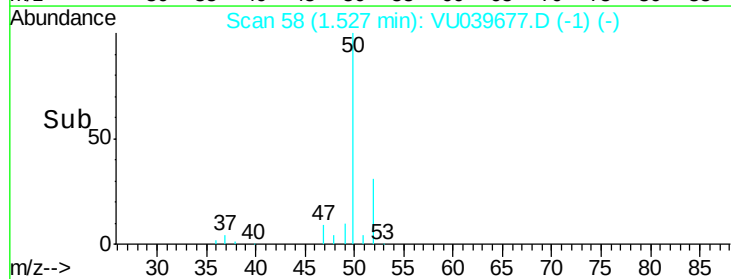
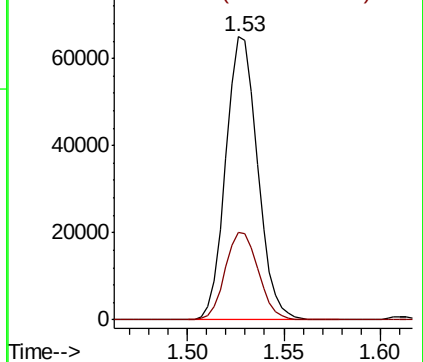
Ion Ratio Lower Upper

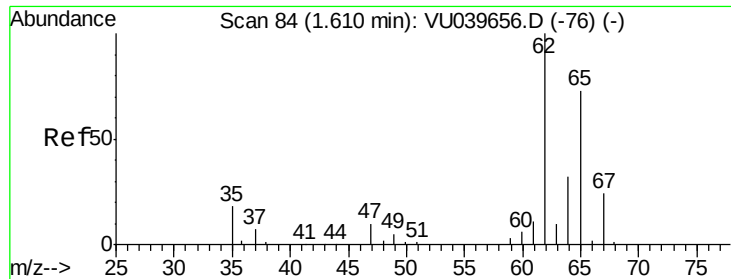
50 100

52 30.9 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VU0
Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 52.244 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

Instrument :

MSVOA_U

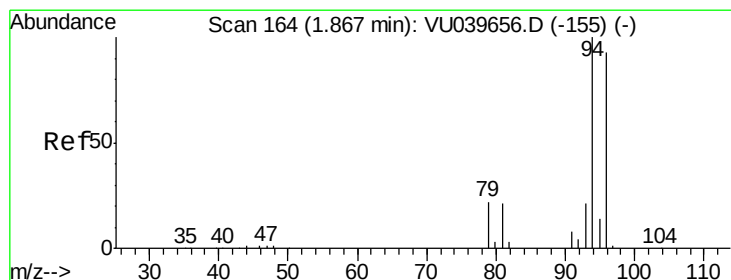
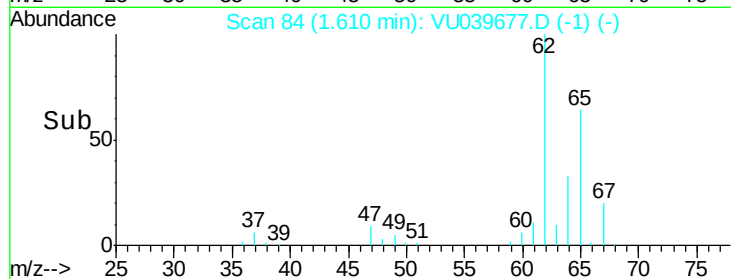
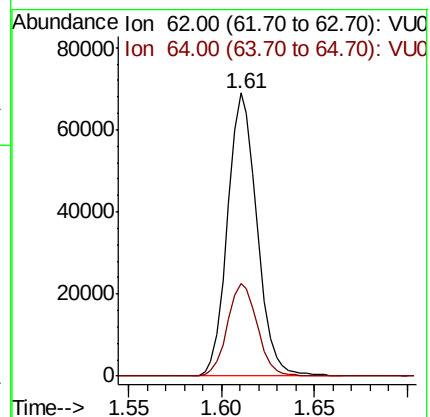
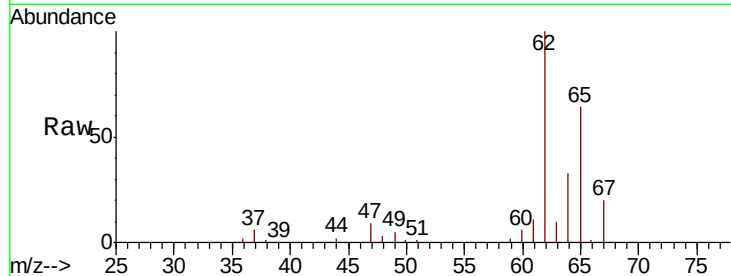
ClientSampleId :

Tot Ion: 62 Resp: 76233

Ion Ratio Lower Upper

62 100

64 32.9 22.8 42.4



#6

Bromomethane

Concen: 67.290 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039677.D

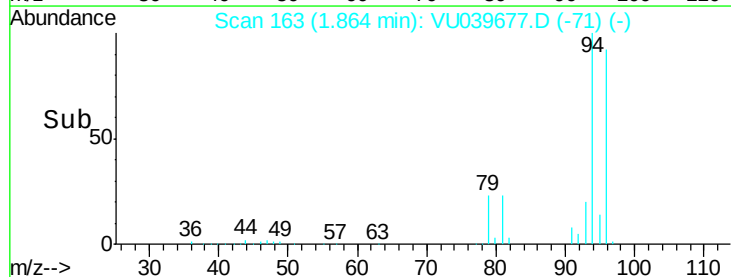
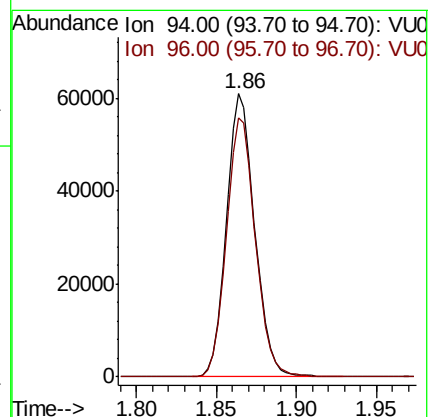
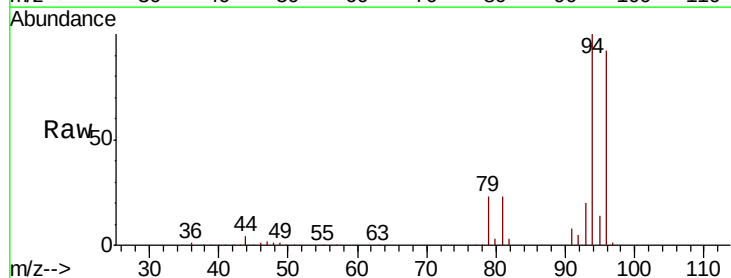
Acq: 24 Jul 2020 20:14

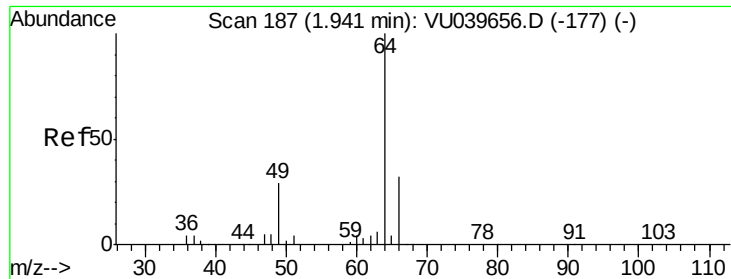
Tgt Ion: 94 Resp: 73779

Ion Ratio Lower Upper

94 100

96 91.7 65.7 122.1

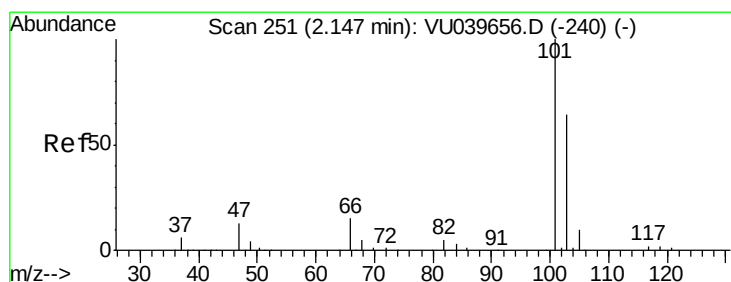
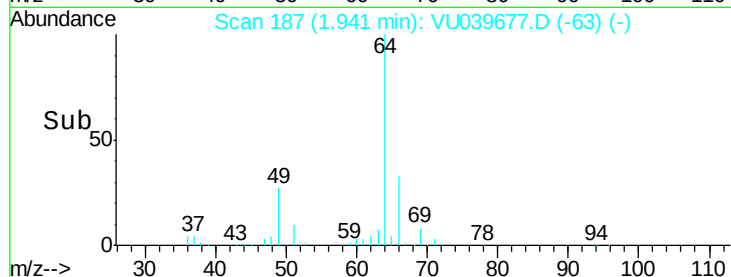
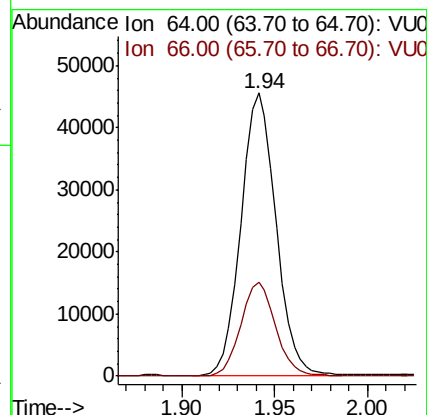
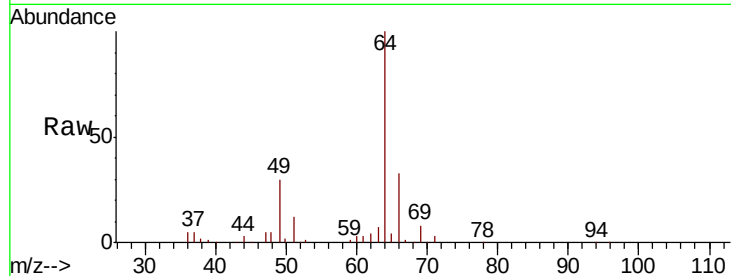




#8
Chloroethane
Concen: 45.974 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU039677.D
Acq: 24 Jul 2020 20:14

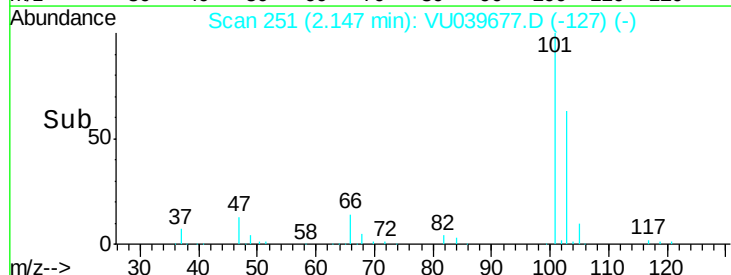
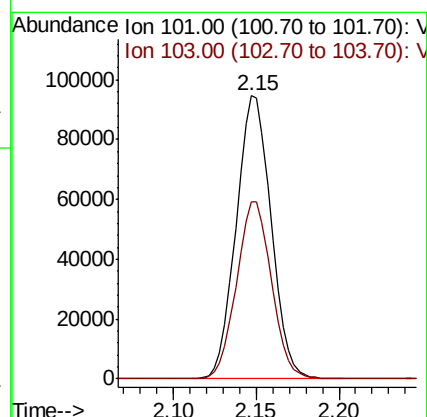
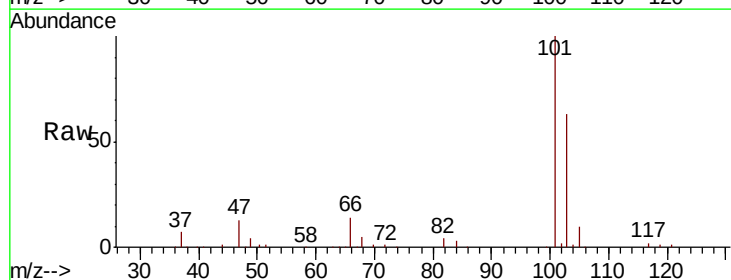
Instrument :
MSVOA_U
ClientSampled :

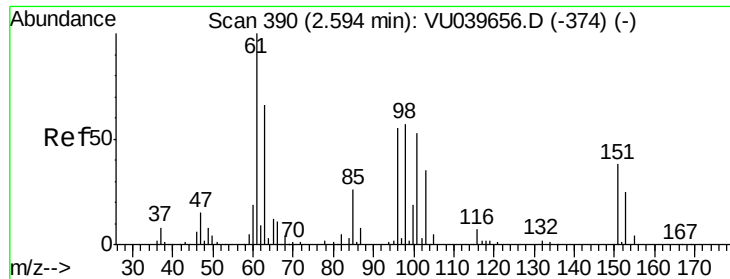
Tot Ion: 64 Resp: 59659
Ion Ratio Lower Upper
64 100
66 33.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 53.849 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU039677.D
Acq: 24 Jul 2020 20:14

Tgt Ion:101 Resp: 138860
Ion Ratio Lower Upper
101 100
103 62.6 52.8 79.2





#10

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

Concen: 55.232 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

Instrument :

MSVOA_U

ClientSampled :

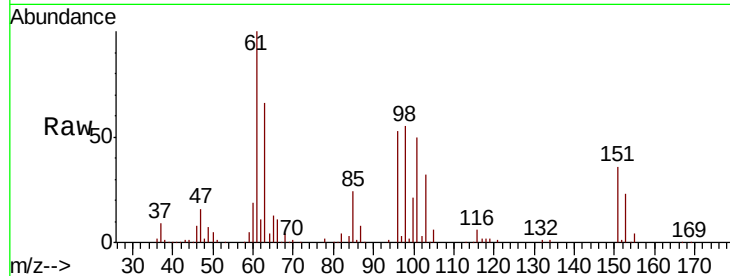
Tot Ion:101 Resp: 68554

Ion Ratio Lower Upper

101 100

85 47.3 39.7 59.5

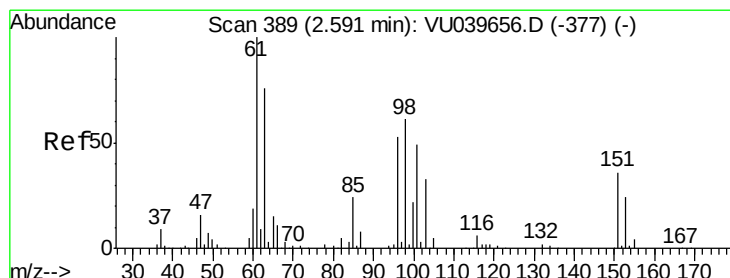
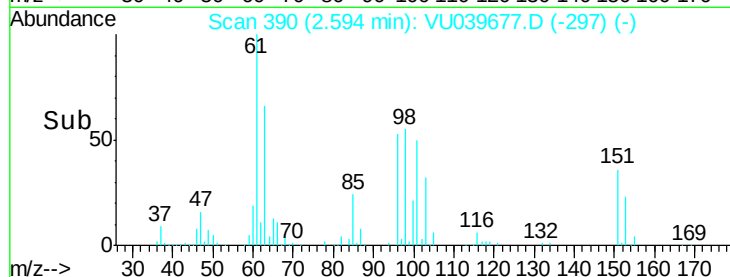
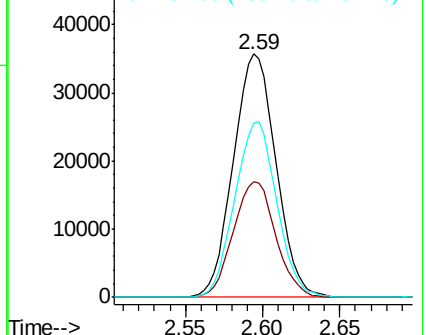
151 70.8 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 54.680 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

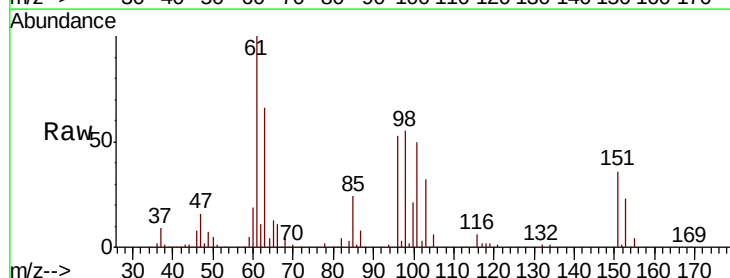
Tgt Ion: 96 Resp: 63292

Ion Ratio Lower Upper

96 100

61 186.9 136.6 253.6

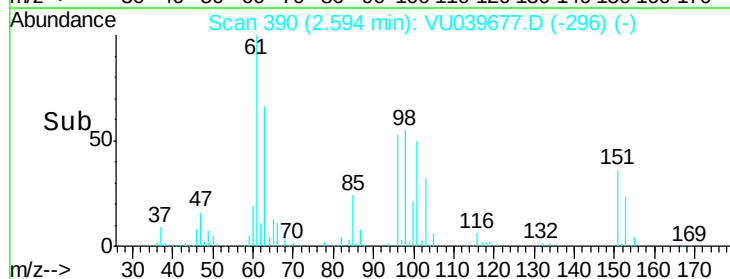
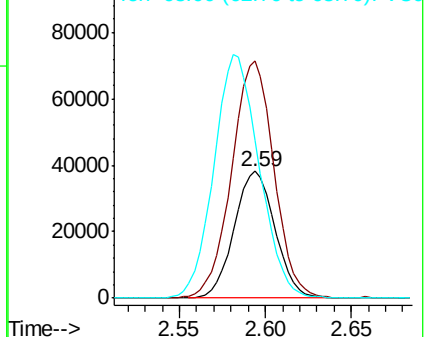
63 124.3 97.2 180.6

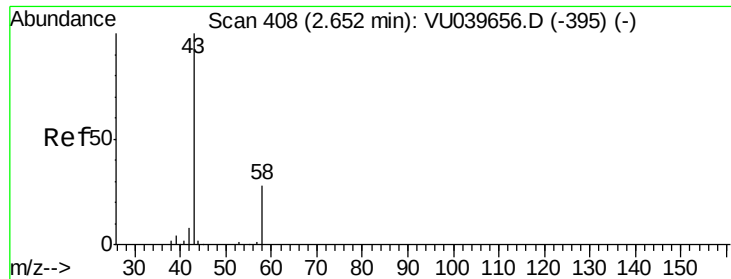


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 91.920 ug/L

RT: 2.65 min Scan# 406

Delta R.T. -0.01 min

Lab File: VU039677.D

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MSVOA_U

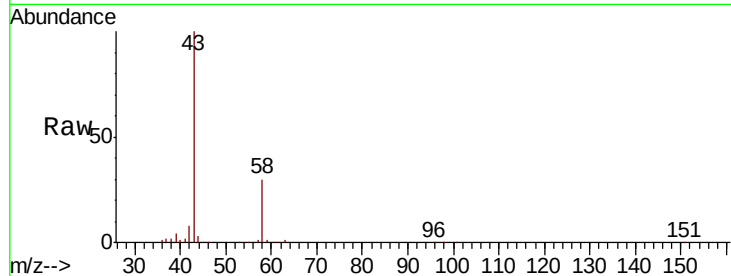
ClientSampleId :

Tot Ion: 43 Resp: 93287

Ion Ratio Lower Upper

43 100

58 29.5 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU039677.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VU039677.D (-315) (-)

2.65

50000

40000

30000

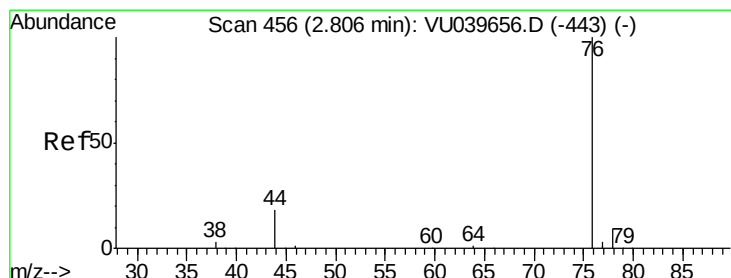
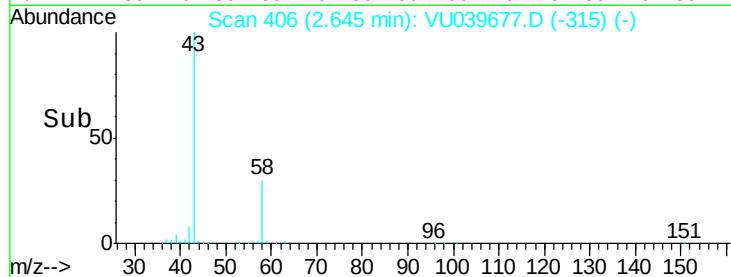
20000

10000

0

Time-->

2.55 2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 52.168 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039677.D

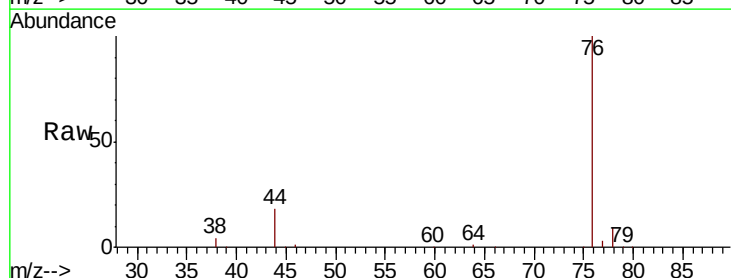
Acq: 24 Jul 2020 20:14

Tgt Ion: 76 Resp: 193217

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU039677.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU039677.D (-363) (-)

2.81

120000

100000

80000

60000

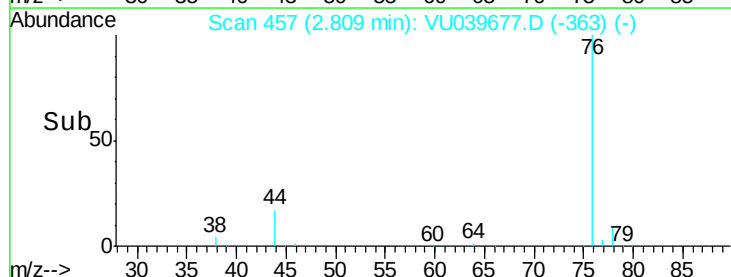
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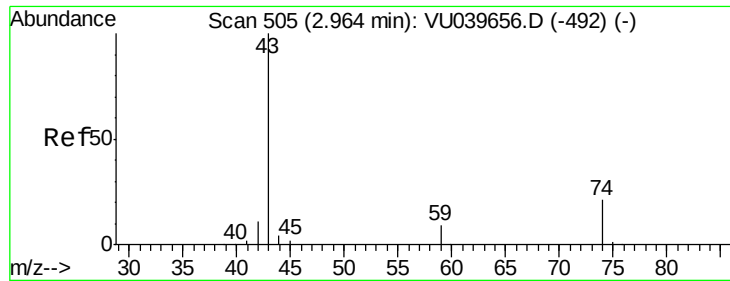
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Time-->

2.75 2.80 2.85 2.90

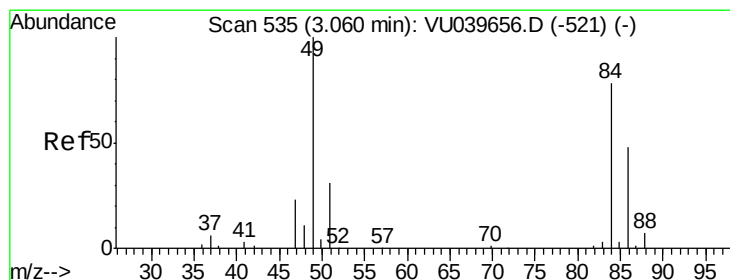
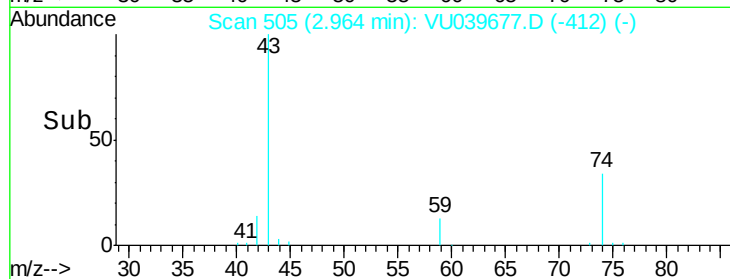
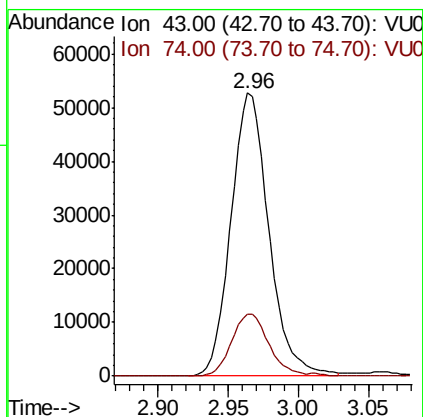
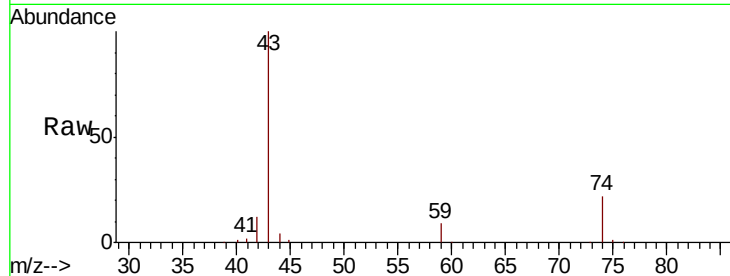




#15
Methvl Acetate
Concen: 54.586 ug/L
RT: 2.96 min Scan# 505
Delta R.T. 0.00 min
Lab File: VU039677.D
Acq: 24 Jul 2020 20:14

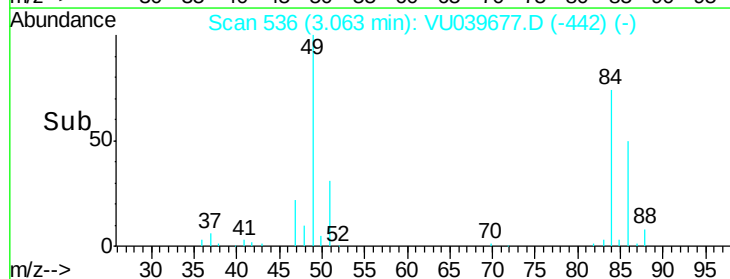
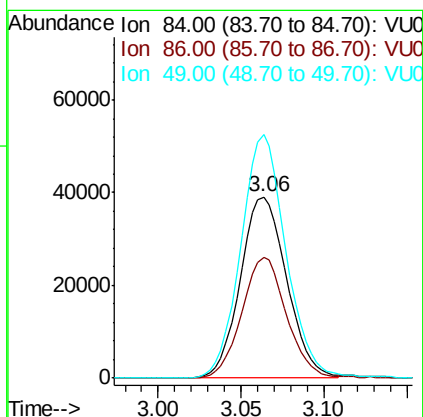
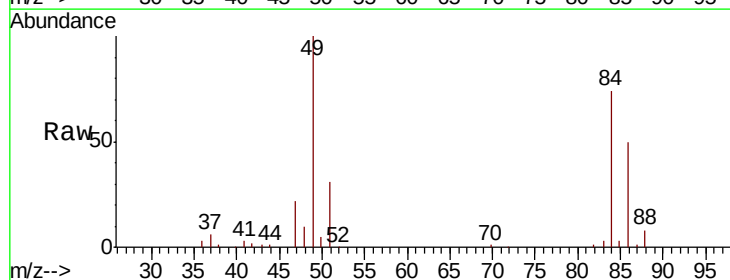
Instrument :
MSVOA_U
ClientSampled :

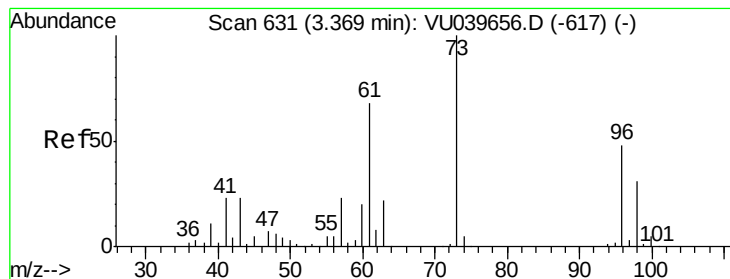
Tot Ion: 43 Resp: 99245
Ion Ratio Lower Upper
43 100
74 21.5 17.4 26.0



#16
Methylene chloride
Concen: 54.904 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039677.D
Acq: 24 Jul 2020 20:14

Tgt Ion: 84 Resp: 76109
Ion Ratio Lower Upper
84 100
86 66.8 46.2 85.8
49 134.5 97.3 180.7





#17

trans-1,2-Dichloroethene

Concen: 52.642 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

Instrument :
MSVOA_U
ClientSampled :

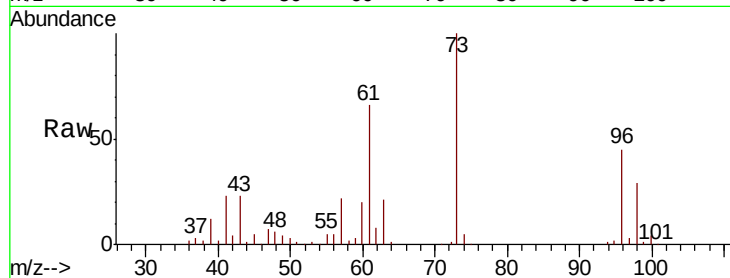
Tot Ion: 96 Resp: 67804

Ion Ratio Lower Upper

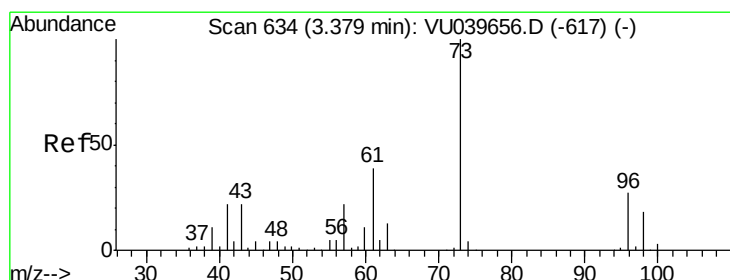
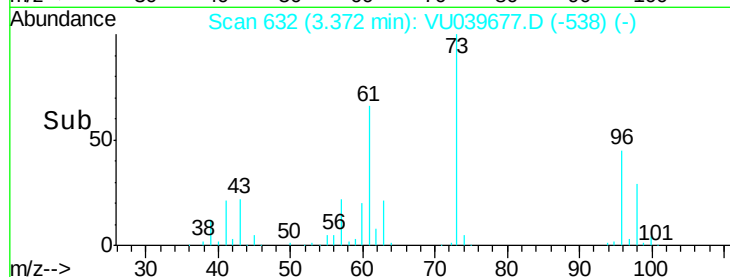
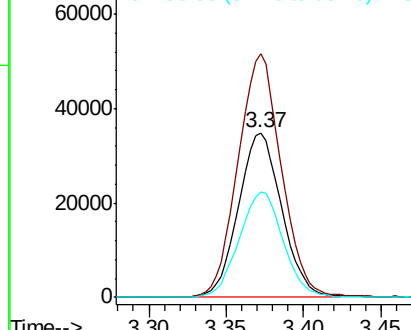
96 100

61 147.9 106.7 198.1

98 63.9 44.3 82.3



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: 55.598 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

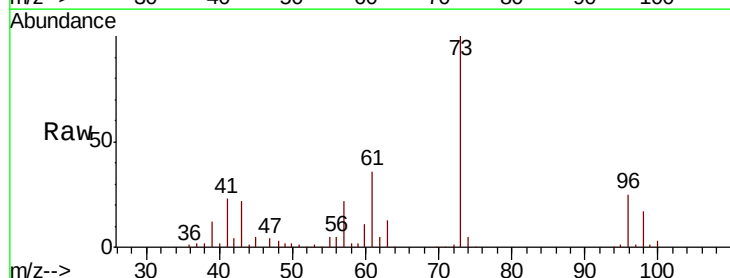
Tgt Ion: 73 Resp: 231411

Ion Ratio Lower Upper

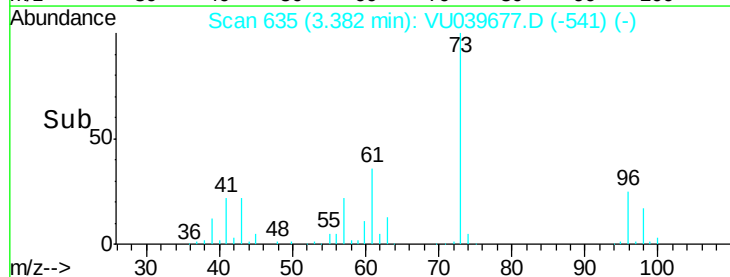
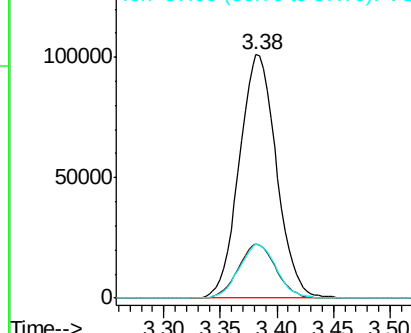
73 100

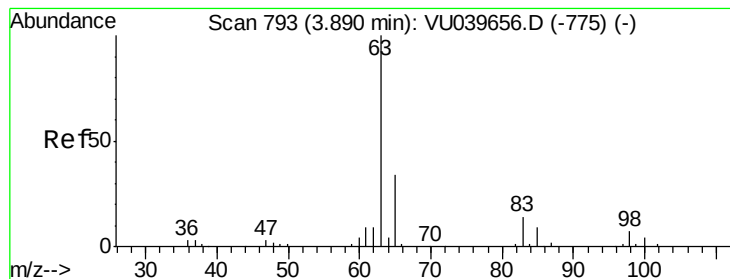
43 22.4 18.2 27.2

57 22.2 17.4 26.2



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: 54.776 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

Instrument :

MSVOA_U

ClientSampleId :

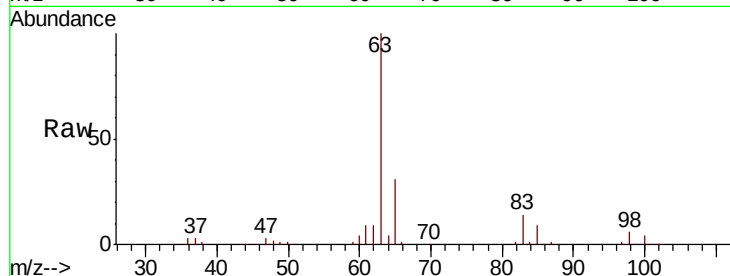
Tot Ion: 63 Resp: 137682

Ion Ratio Lower Upper

63 100

65 30.9 20.4 38.0

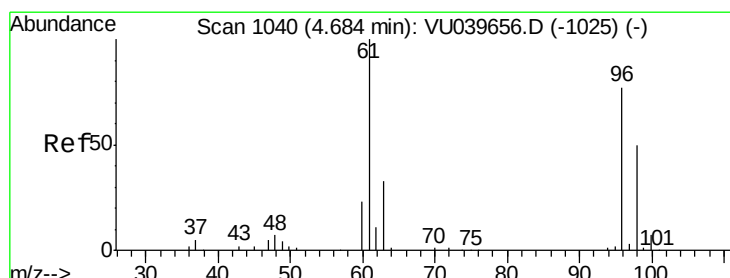
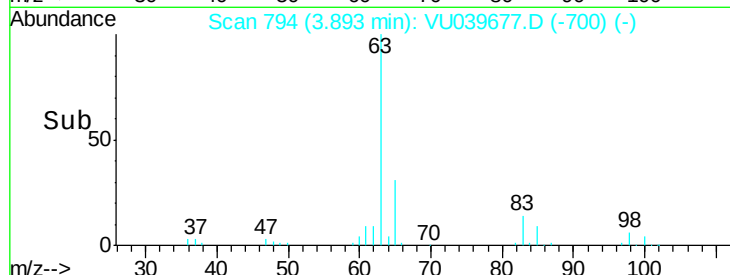
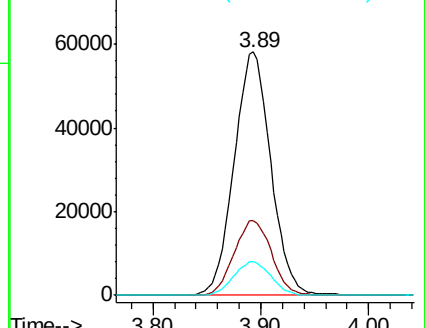
83 13.9 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VU039656.D (-775) (-)

Ion 65.00 (64.70 to 65.70): VU039656.D (-775) (-)

Ion 83.00 (82.70 to 83.70): VU039656.D (-775) (-)



#20

cis-1,2-Dichloroethene

Concen: 53.977 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

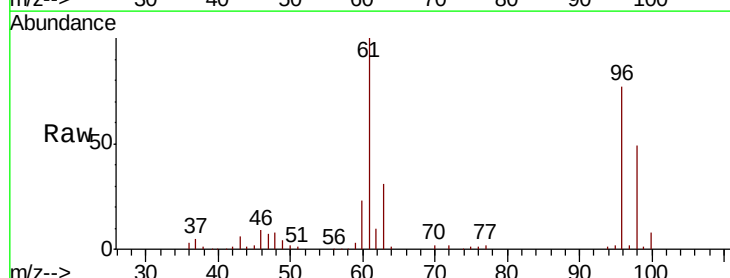
Tgt Ion: 96 Resp: 79453

Ion Ratio Lower Upper

96 100

61 130.1 94.0 174.6

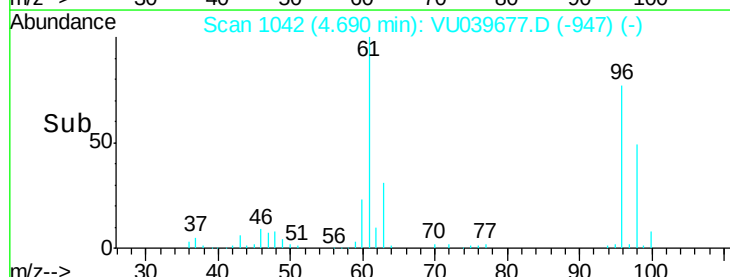
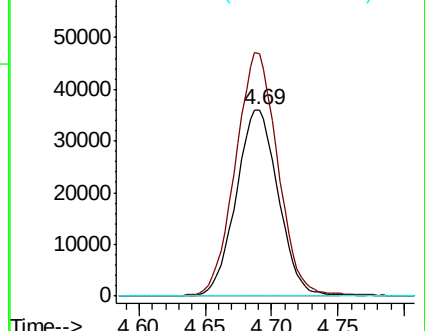
68 0.0 0.0 0.0

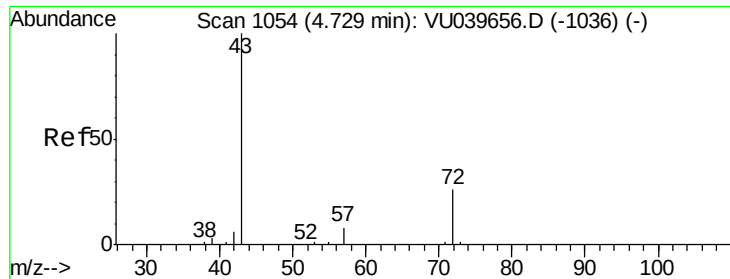


Abundance Ion 96.00 (95.70 to 96.70): VU039656.D (-1025) (-)

Ion 61.00 (60.70 to 61.70): VU039656.D (-1025) (-)

Ion 68.00 (67.70 to 68.70): VU039656.D (-1025) (-)





#22

2-Butanone

Concen: 104.889 ug/L

RT: 4.73 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

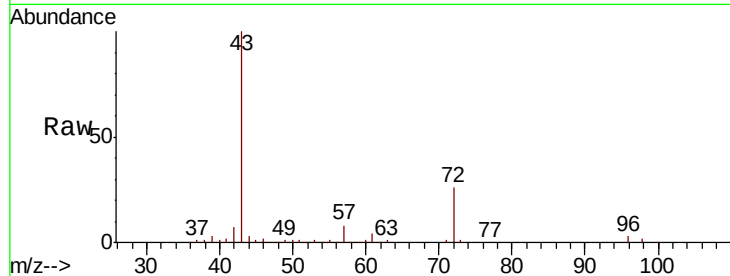
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 150018

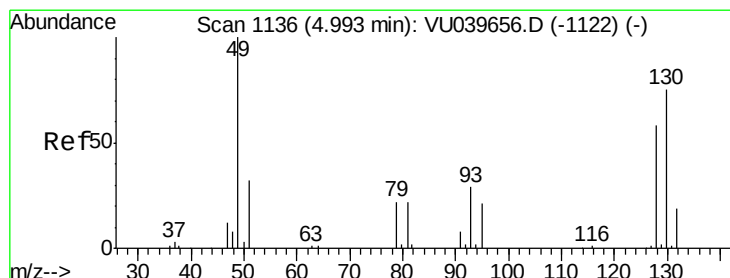
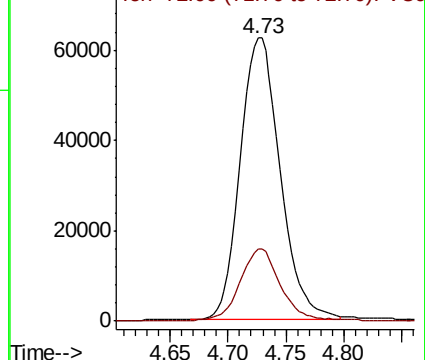
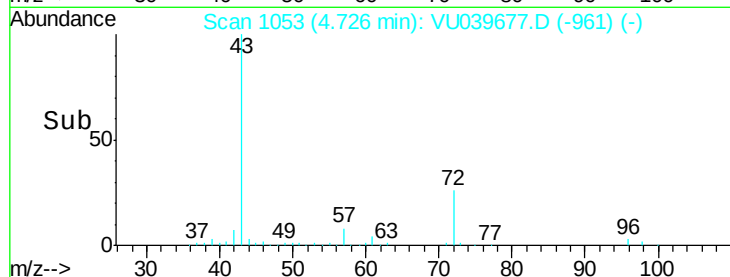
Ion Ratio Lower Upper

43 100

72 26.1 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VU039677.D (-961) (-)



#23

Bromochloromethane

Concen: 55.053 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

Tgt Ion:128 Resp: 40727

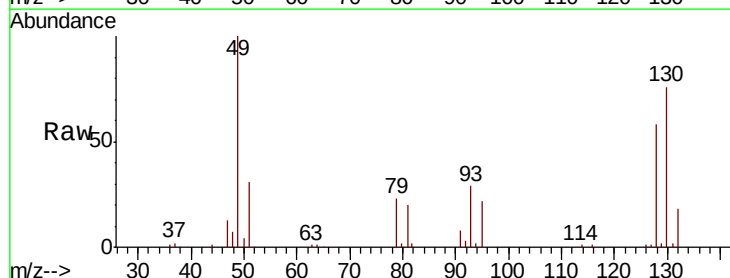
Ion Ratio Lower Upper

128 100

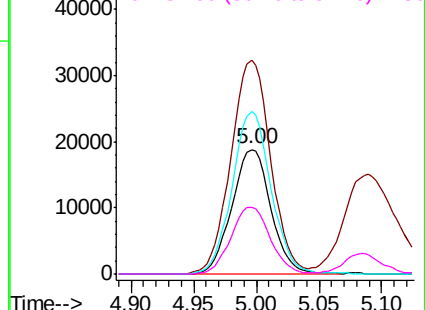
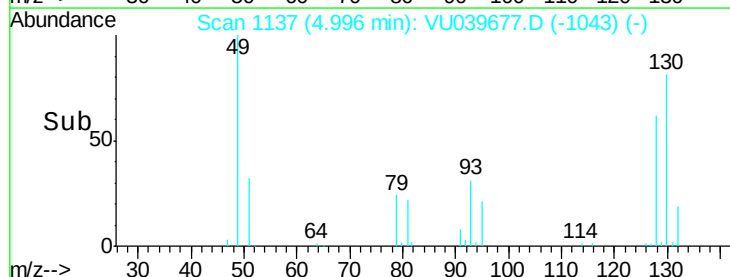
49 171.3 124.5 231.3

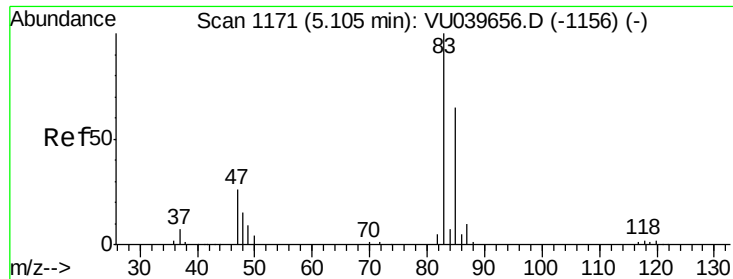
130 130.3 94.4 175.2

51 53.6 43.5 65.3



Abundance Ion 128.00 (127.70 to 128.70): VU039677.D (-1043) (-)

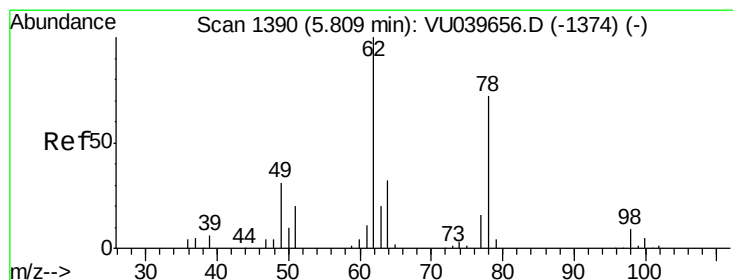
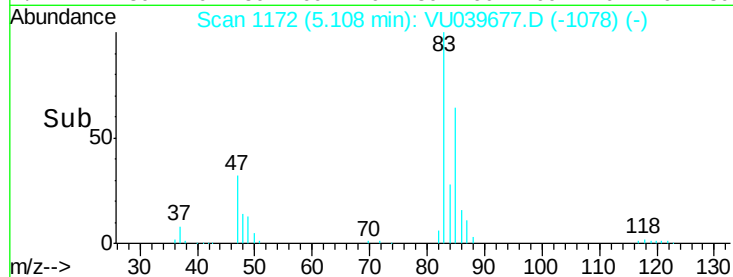
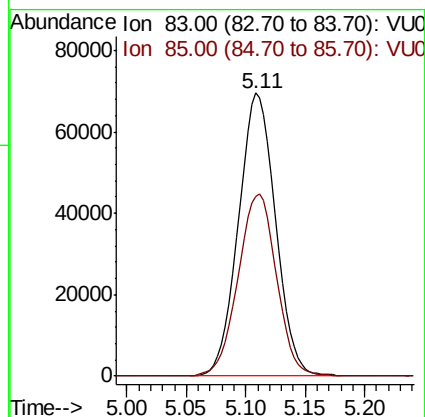
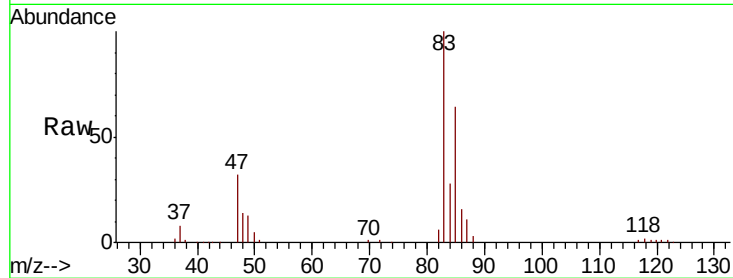




#25
Chloroform
Concen: 53.924 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039677.D
Acq: 24 Jul 2020 20:14

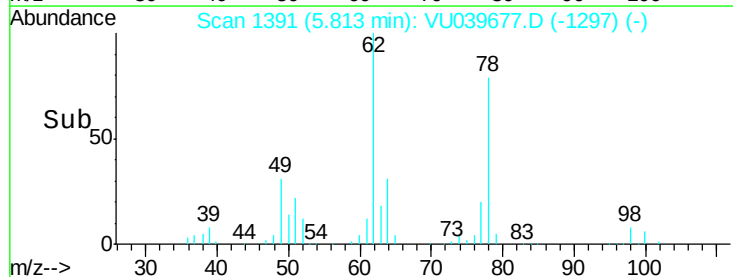
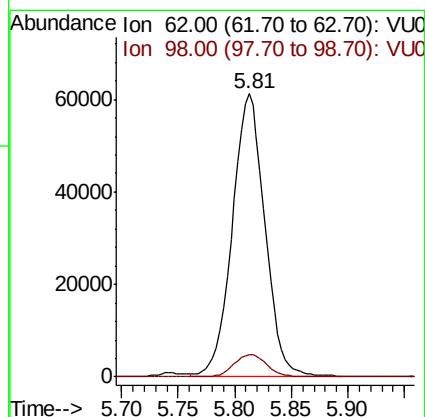
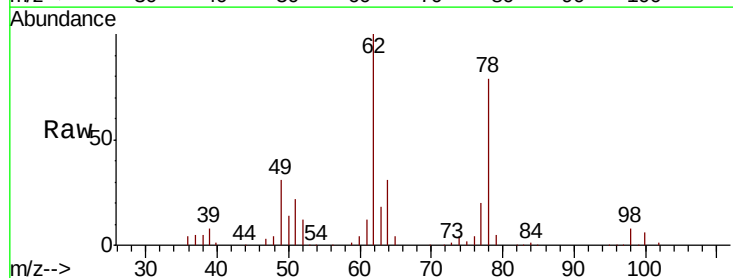
Instrument :
MSVOA_U
ClientSampleId :

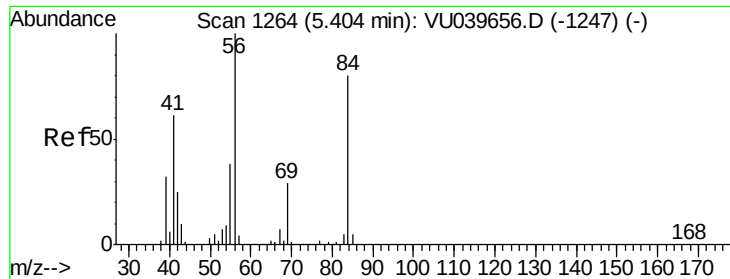
Tot Ion: 83 Resp: 150342
Ion Ratio Lower Upper
83 100
85 63.6 45.6 84.6



#27
1,2-Dichloroethane
Concen: 52.821 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039677.D
Acq: 24 Jul 2020 20:14

Tgt Ion: 62 Resp: 122114
Ion Ratio Lower Upper
62 100
98 7.8 6.4 9.6

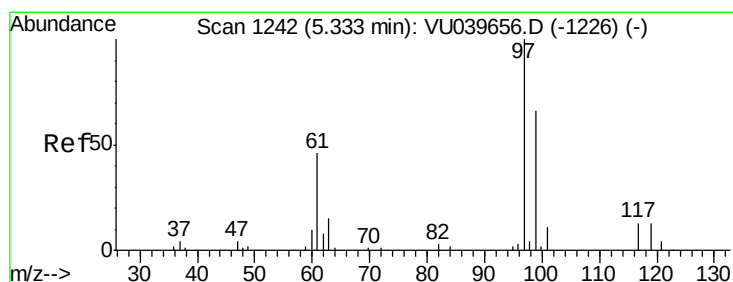
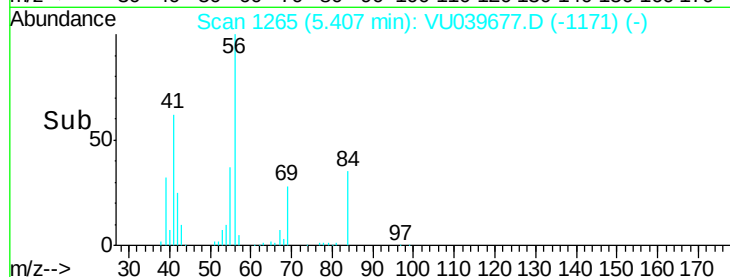
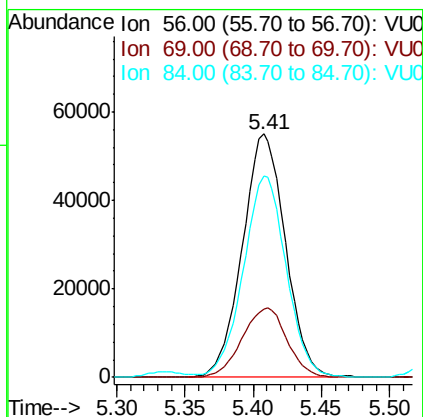
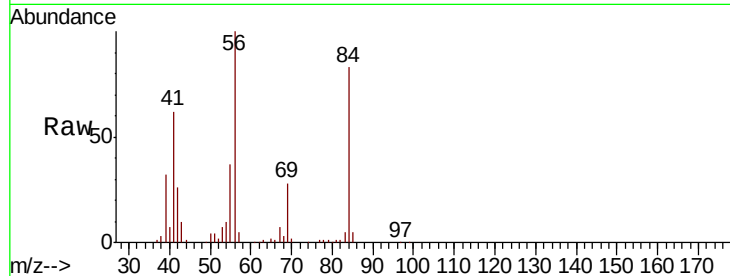




#29
Cyclohexane
Concen: 54.851 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU039677.D
Acq: 24 Jul 2020 20:14

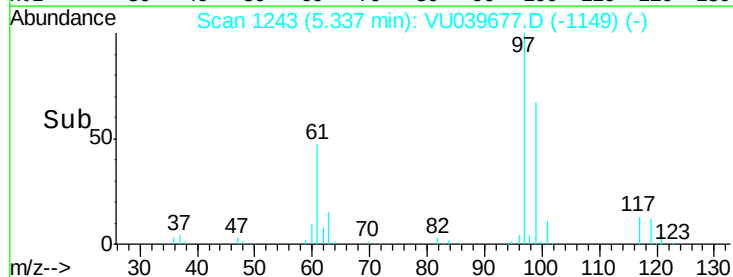
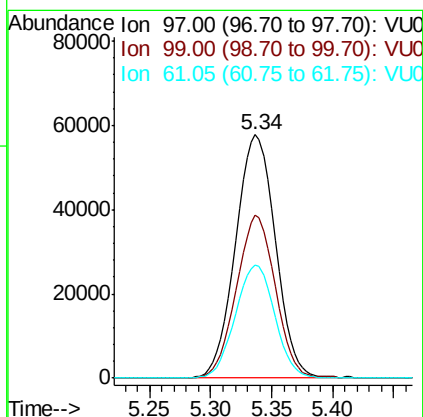
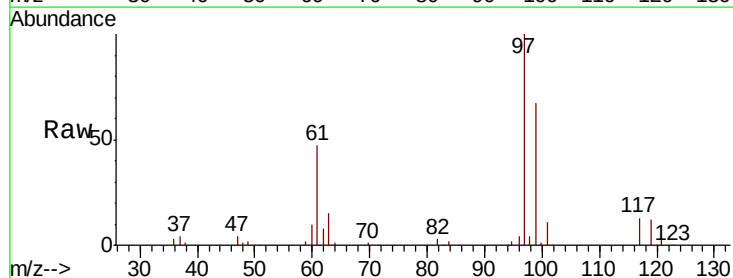
Instrument :
MSVOA_U
ClientSampleId :

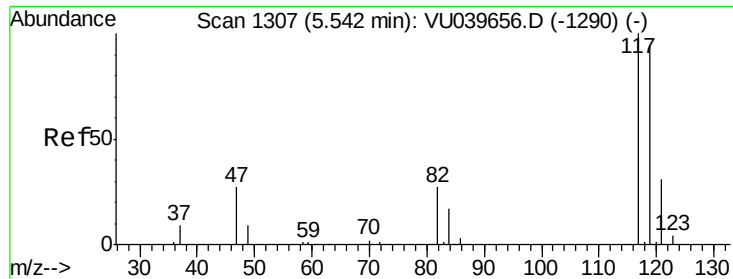
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.9	35.9
84	82.9	65.8	98.8



#30
1,1,1-Trichloroethane
Concen: 54.133 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VU039677.D
Acq: 24 Jul 2020 20:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.3	75.5
61	46.0	36.0	54.0





#31

Carbon tetrachloride

Concen: 56.751 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

Instrument :

MSVOA_U

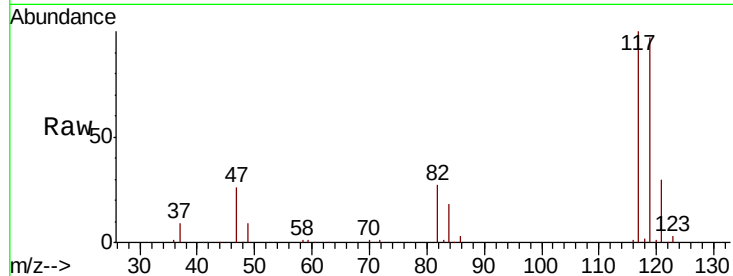
ClientSampled :

Tot Ion:117 Resp: 114051

Ion Ratio Lower Upper

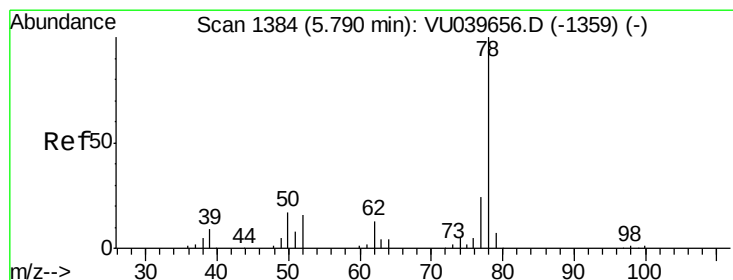
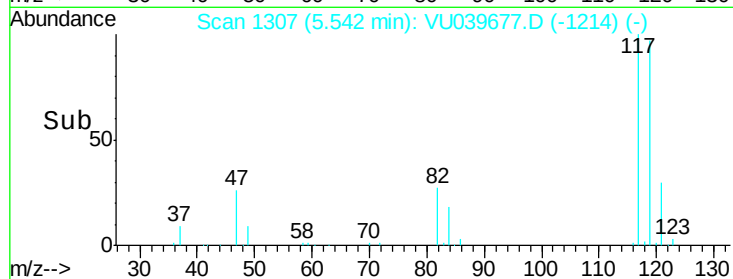
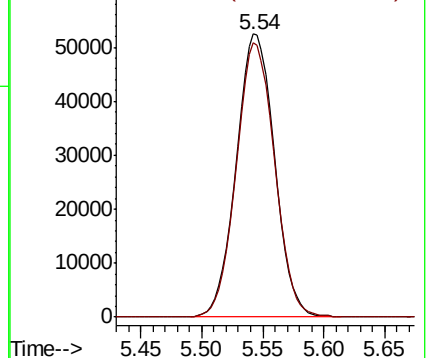
117 100

119 97.1 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 54.725 ug/L

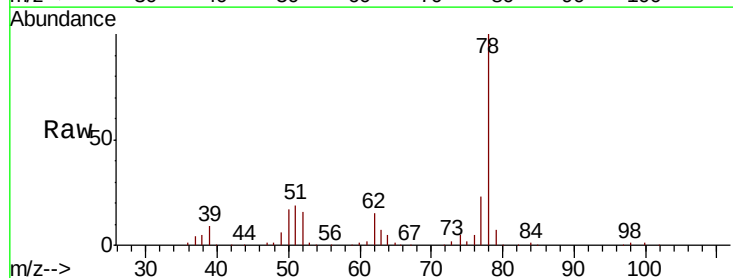
RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

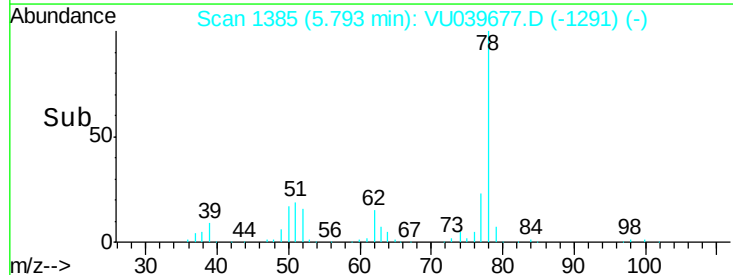
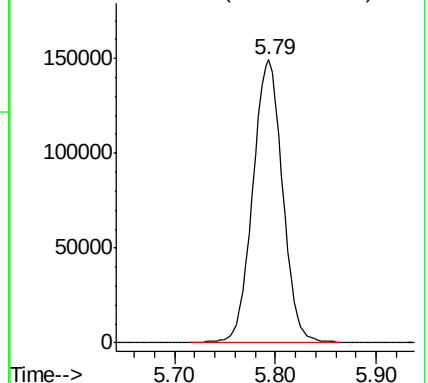
Lab File: VU039677.D

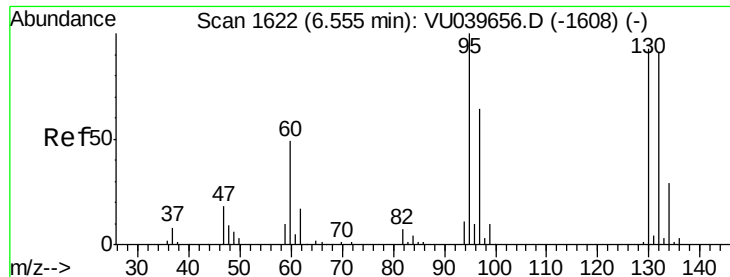
Acq: 24 Jul 2020 20:14

Tgt Ion: 78 Resp: 305233



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 56.057 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 82699

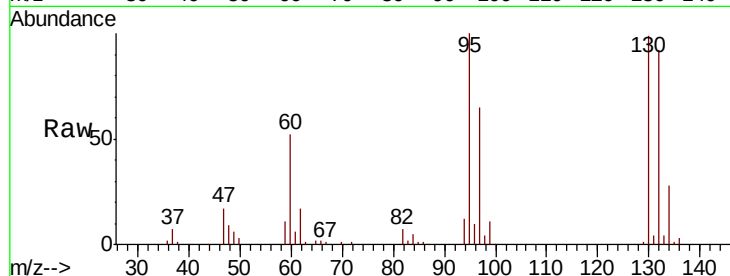
Ion Ratio Lower Upper

95 100

97 64.8 45.5 84.5

132 92.2 65.0 120.6

130 98.6 67.9 126.1

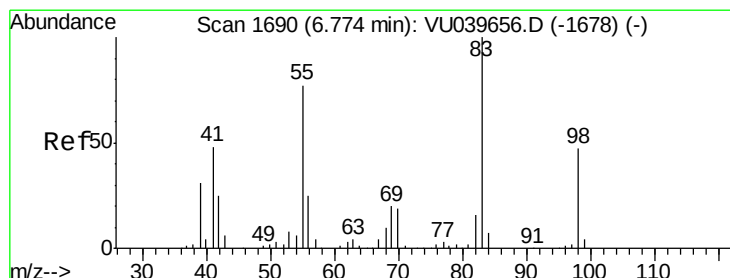
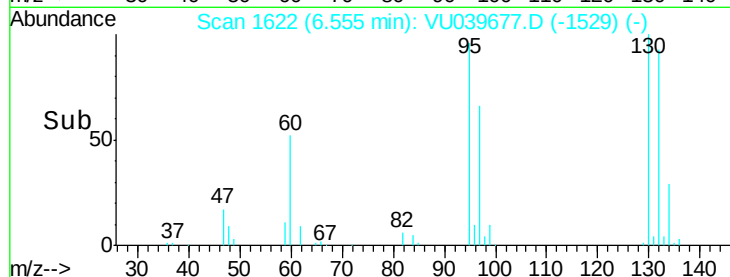
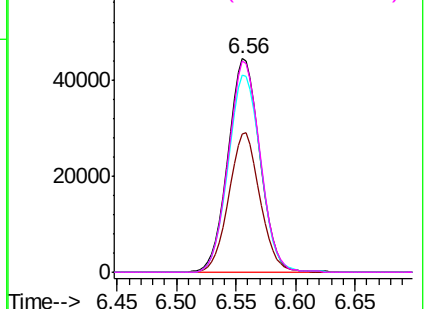


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 52.702 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

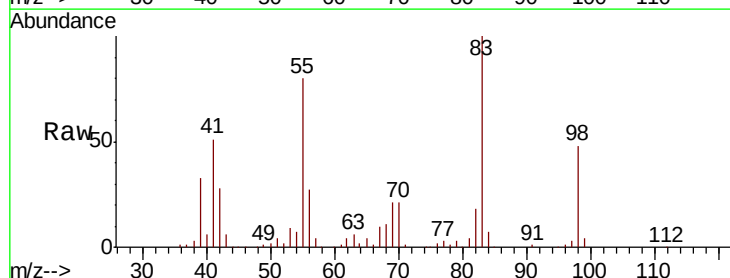
Tgt Ion: 83 Resp: 120218

Ion Ratio Lower Upper

83 100

55 79.6 62.9 94.3

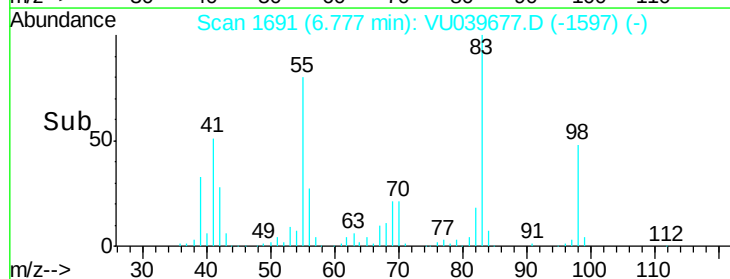
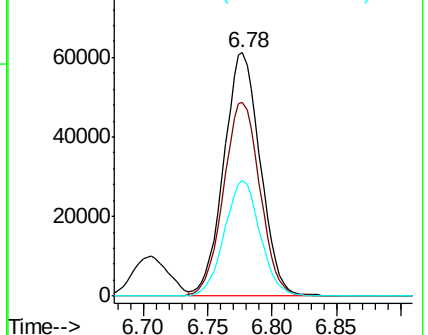
98 46.5 36.3 54.5

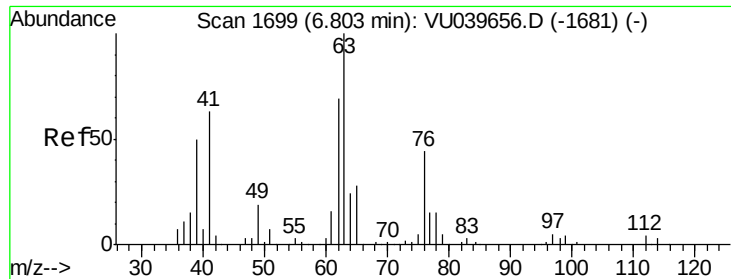


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

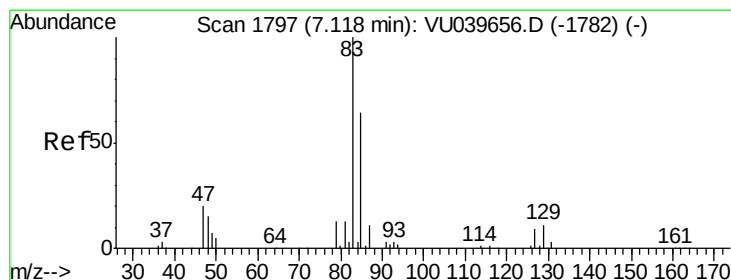
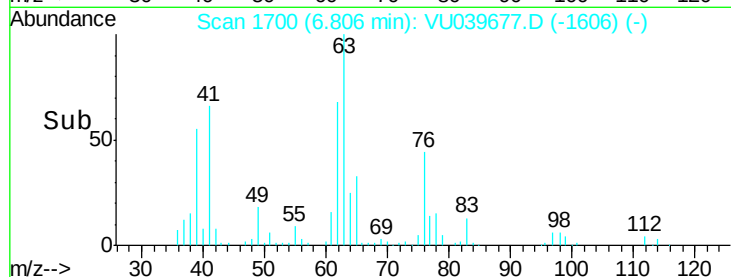
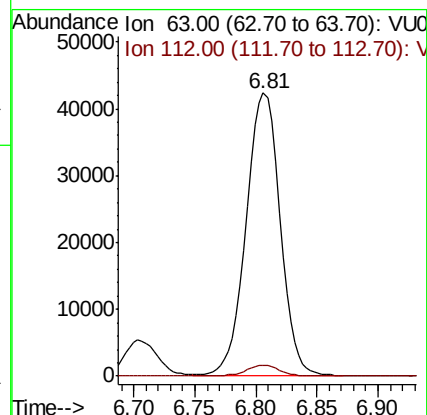
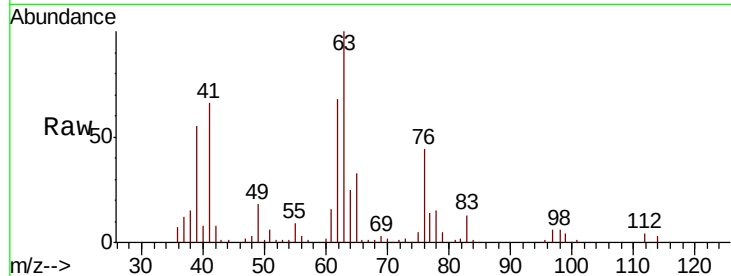




#37
 1,2-Dichloropropane
 Concen: 53.936 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039677.D
 Acq: 24 Jul 2020 20:14

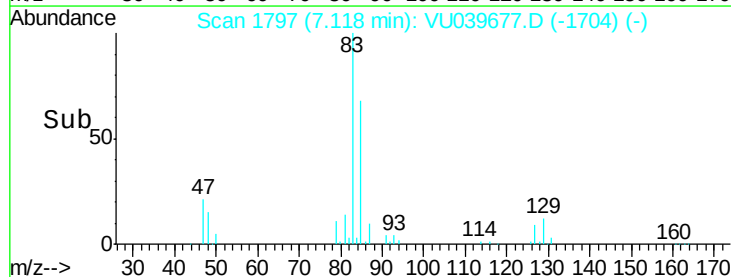
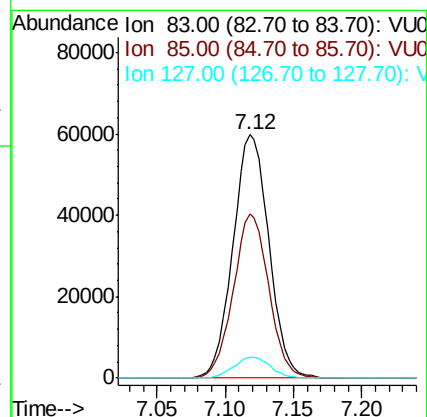
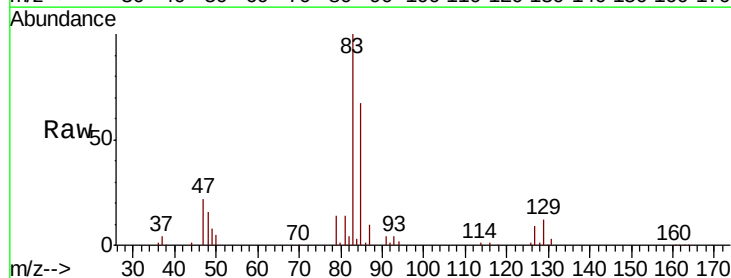
Instrument :
 MSVOA_U
 ClientSampled :

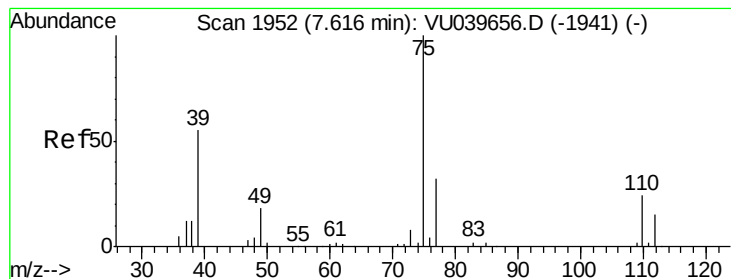
Tot Ion: 63 Resp: 81446
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#38
 Bromodichloromethane
 Concen: 54.584 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039677.D
 Acq: 24 Jul 2020 20:14

Tgt Ion: 83 Resp: 109465
 Ion Ratio Lower Upper
 83 100
 85 67.3 45.9 85.3
 127 8.6 7.4 11.2



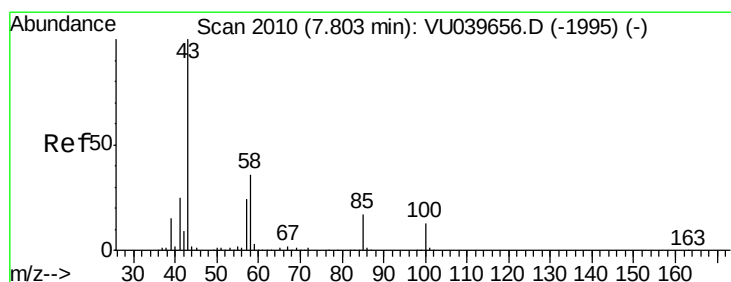
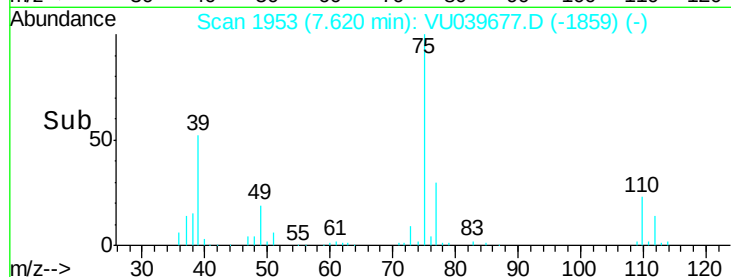
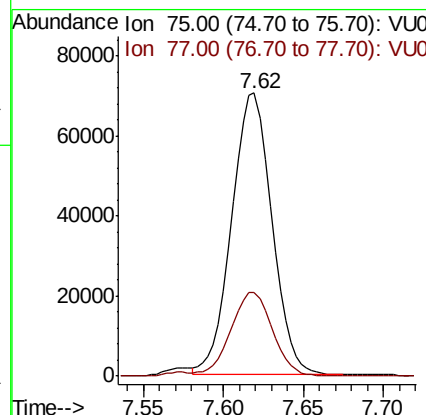
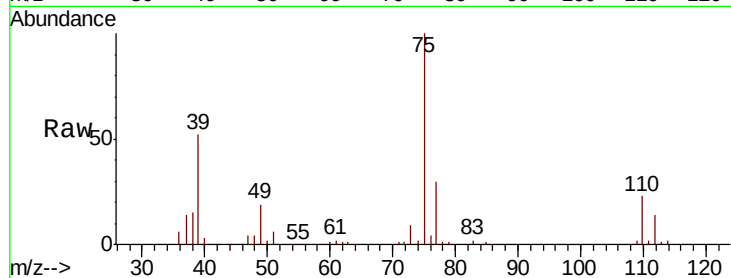


#39

cis-1,3-Dichloropropene
 Concen: 53.603 ug/L
 RT: 7.62 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VU039677.D
 Acq: 24 Jul 2020 20:14

Instrument :
 MSVOA_U
 ClientSampleId :

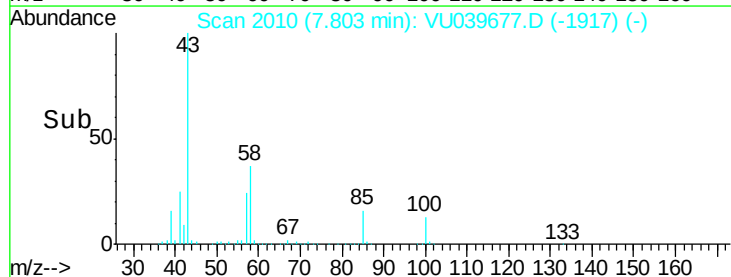
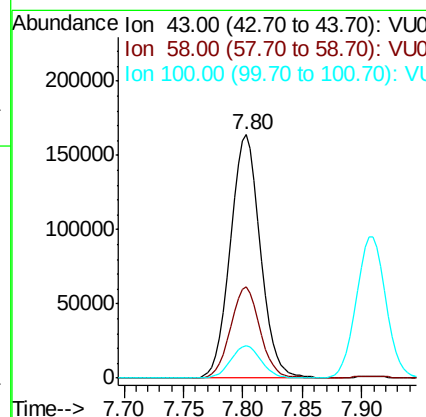
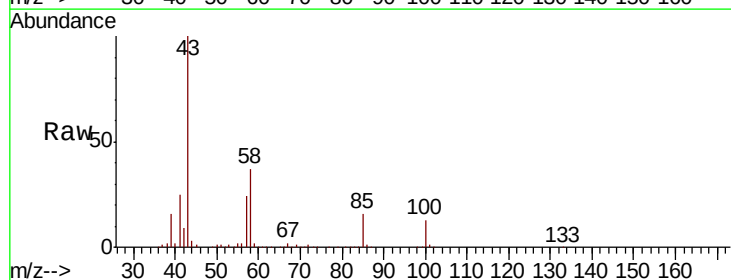
Tot Ion: 75 Resp: 120967
 Ion Ratio Lower Upper
 75 100
 77 29.8 21.8 40.6

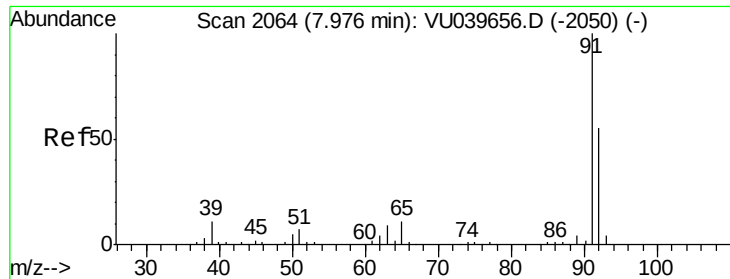


#40

4-Methyl-2-pentanone
 Concen: 109.094 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039677.D
 Acq: 24 Jul 2020 20:14

Tgt Ion: 43 Resp: 286996
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.1 43.7
 100 13.4 10.6 16.0





#42

Toluene

Concen: 55.011 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

Instrument :

MSVOA_U

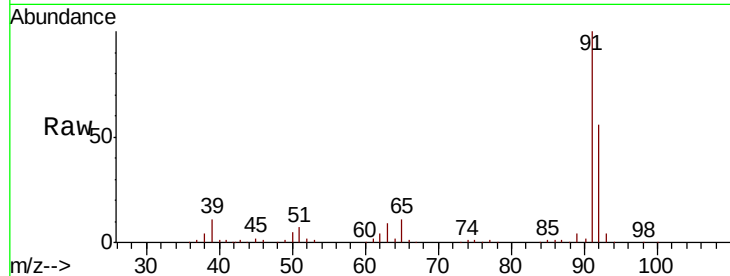
ClientSampleId :

Tot Ion: 91 Resp: 337424

Ion Ratio Lower Upper

91 100

92 56.1 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU039656.D (-2050) (-)

Ion 92.00 (91.70 to 92.70): VU039656.D (-2050) (-)

7.98

200000

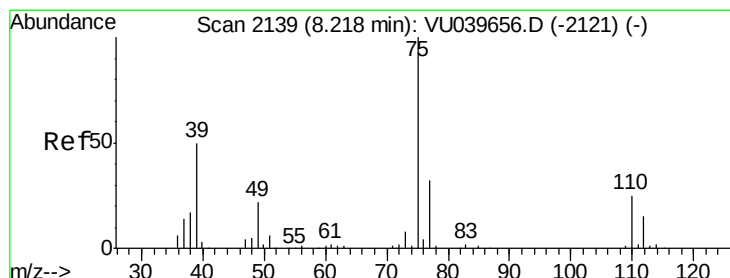
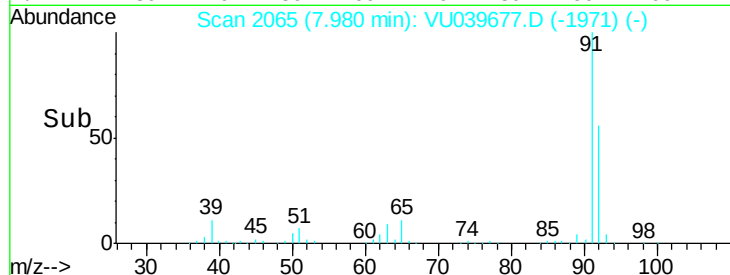
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 55.168 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039677.D

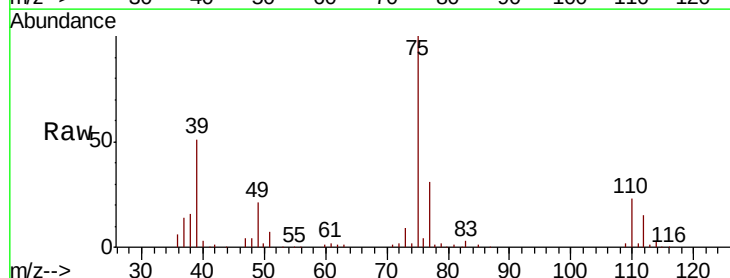
Acq: 24 Jul 2020 20:14

Tgt Ion: 75 Resp: 121923

Ion Ratio Lower Upper

75 100

77 31.4 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU039656.D (-2121) (-)

Ion 77.00 (76.70 to 77.70): VU039656.D (-2121) (-)

8.22

80000

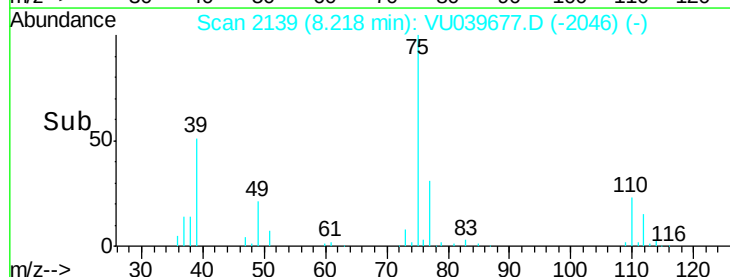
60000

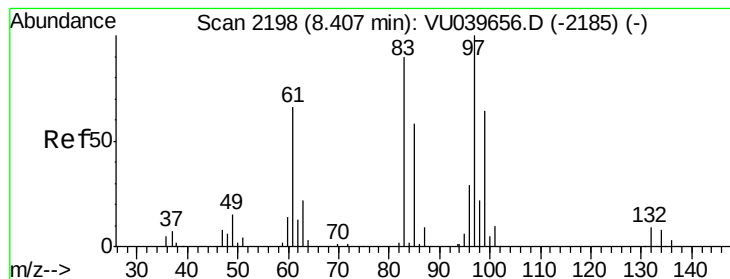
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 55.389 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 79762

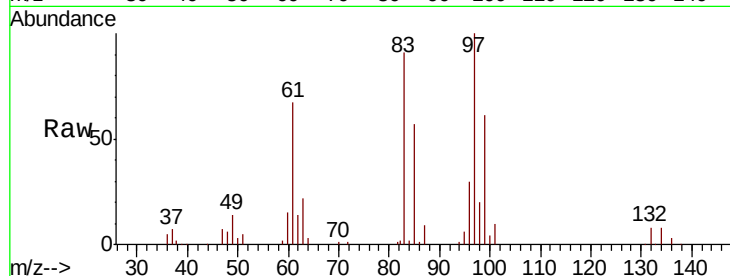
Ion Ratio Lower Upper

97 100

99 61.0 45.1 83.9

83 91.1 62.7 116.5

85 56.6 41.0 76.2

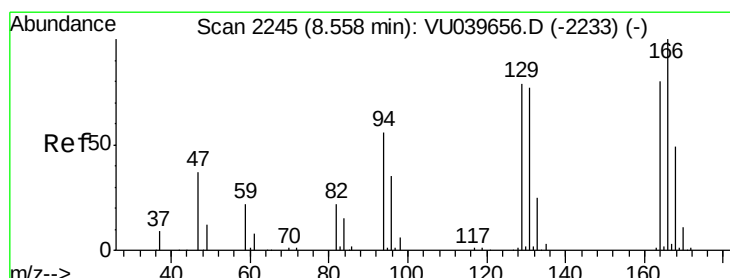
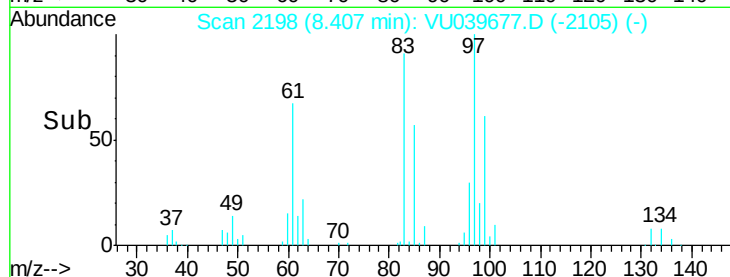
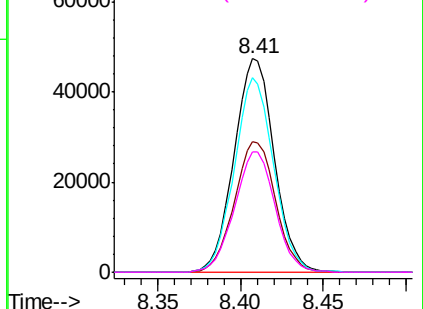


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 55.627 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

Tgt Ion: 164 Resp: 62074

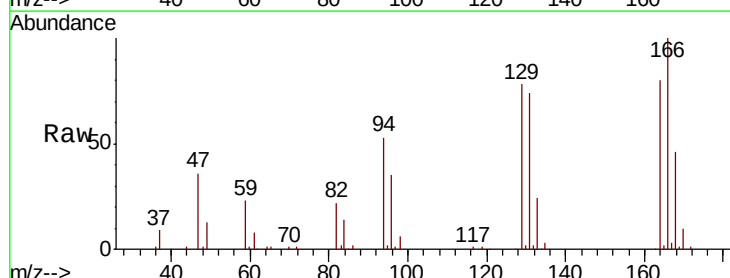
Ion Ratio Lower Upper

164 100

129 96.5 71.1 132.1

131 92.3 70.3 130.5

166 124.5 87.8 163.0

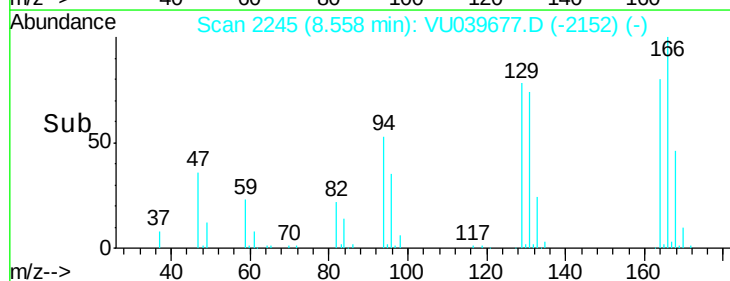
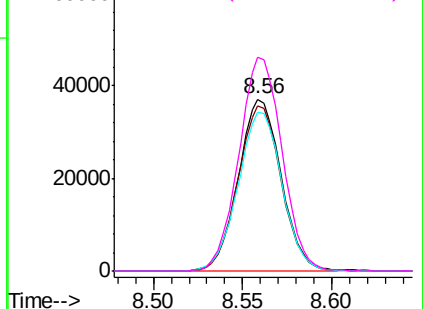


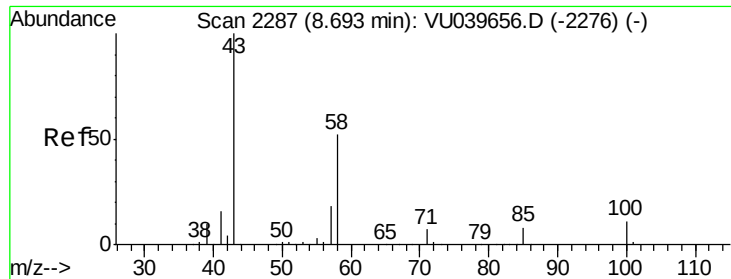
Abundance Ion 164.00 (163.70 to 164.70): V

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

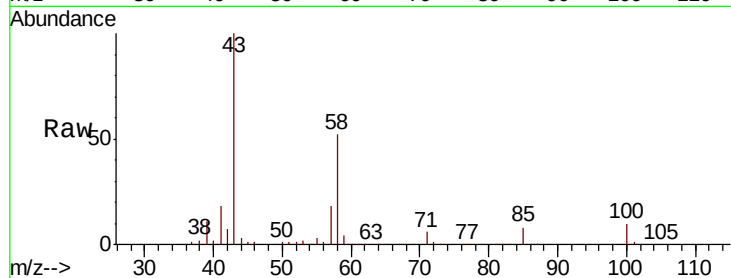




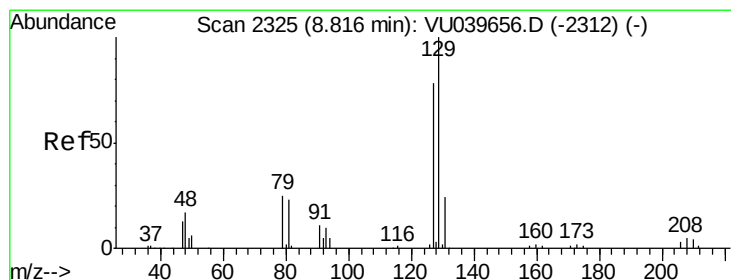
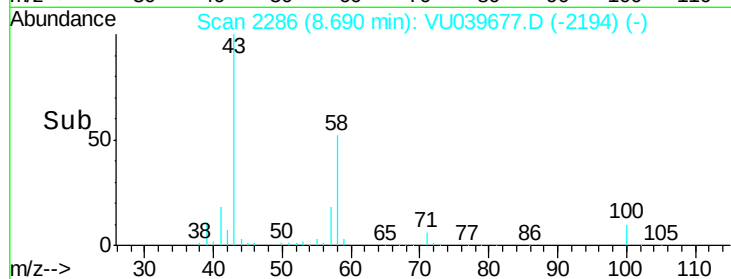
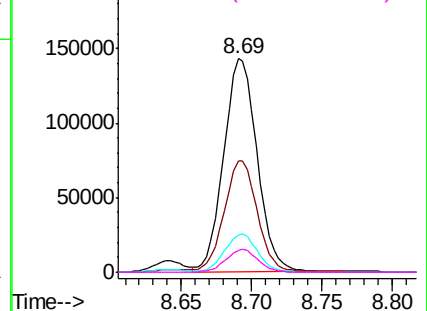
#48
2-Hexanone
Concen: 110.199 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039677.D
Acq: 24 Jul 2020 20:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 236221
Ion Ratio Lower Upper
43 100
58 51.8 40.6 61.0
57 17.7 14.5 21.7
100 10.4 8.0 12.0

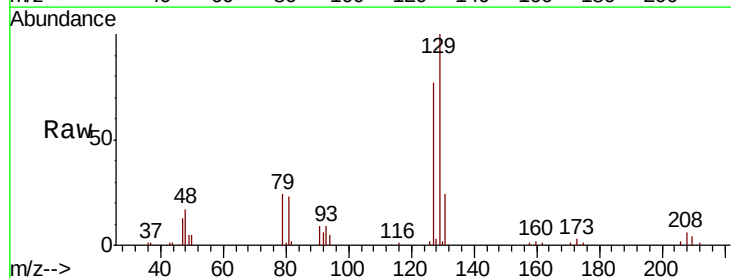


Abundance Ion 43.00 (42.70 to 43.70): VU039656.D (-2276) (-)
Ion 58.00 (57.70 to 58.70): VU039656.D (-2276) (-)
Ion 57.00 (56.70 to 57.70): VU039656.D (-2276) (-)
Ion 100.00 (99.70 to 100.70): VU039656.D (-2276) (-)

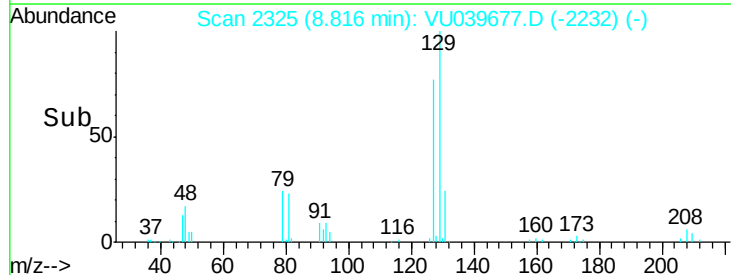
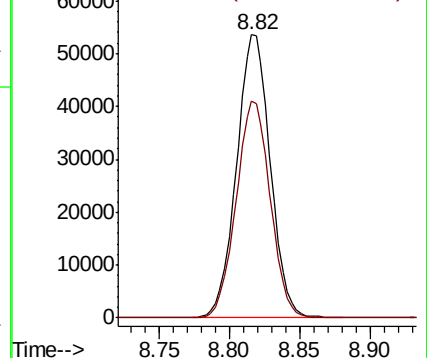


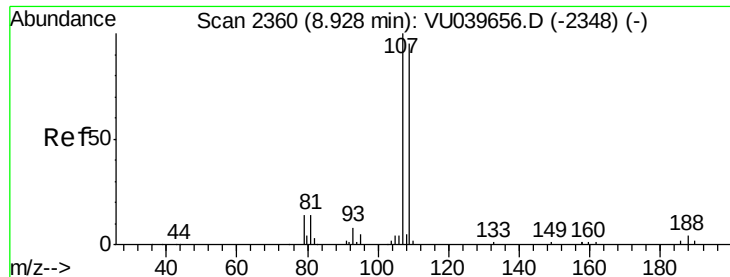
#49
Dibromochloromethane
Concen: 55.168 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039677.D
Acq: 24 Jul 2020 20:14

Tgt Ion: 129 Resp: 89699
Ion Ratio Lower Upper
129 100
127 76.7 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VU039656.D (-2312) (-)
Ion 127.00 (126.70 to 127.70): VU039656.D (-2312) (-)

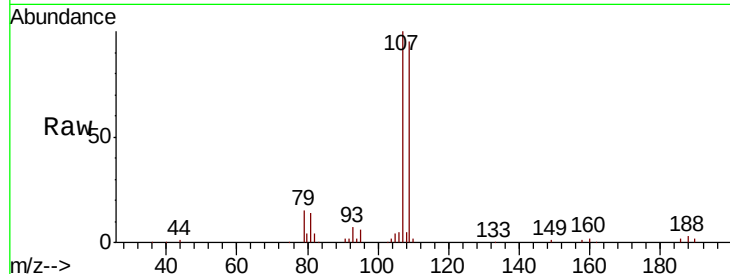




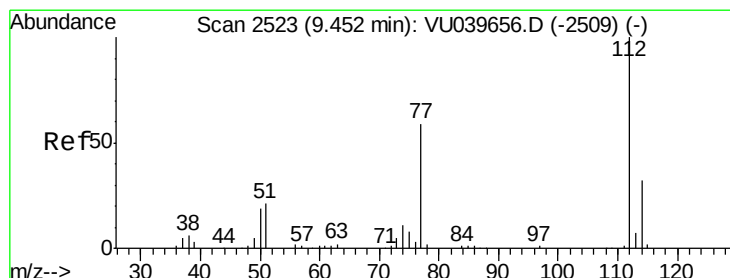
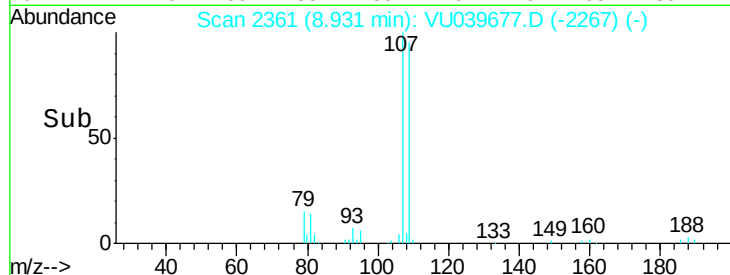
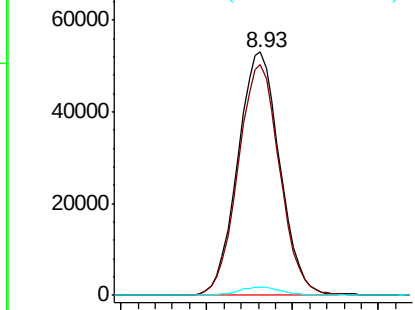
#50
1,2-Dibromoethane
Concen: 56.253 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039677.D
Acq: 24 Jul 2020 20:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	66.8	124.2
188	3.4	3.0	4.4

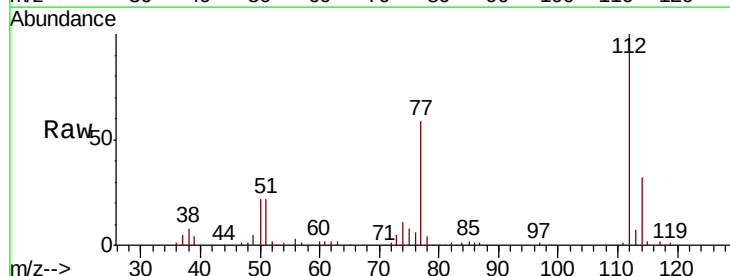


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

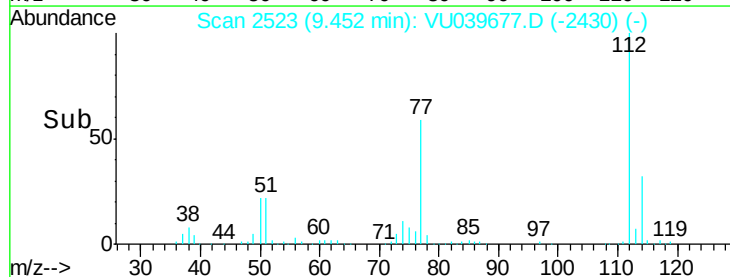
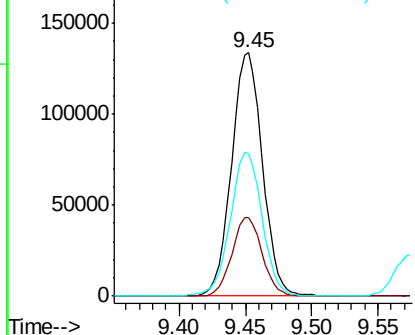


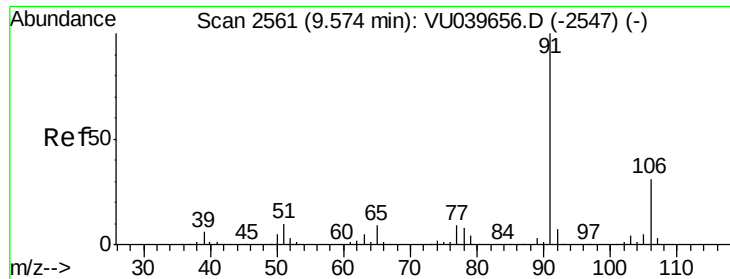
#51
Chlorobenzene
Concen: 55.561 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU039677.D
Acq: 24 Jul 2020 20:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.9	42.5
77	58.7	49.4	74.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 56.626 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

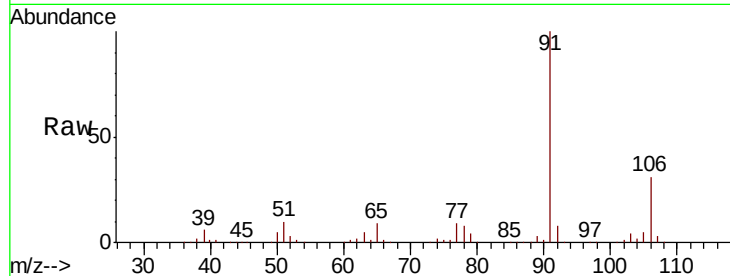
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 383819

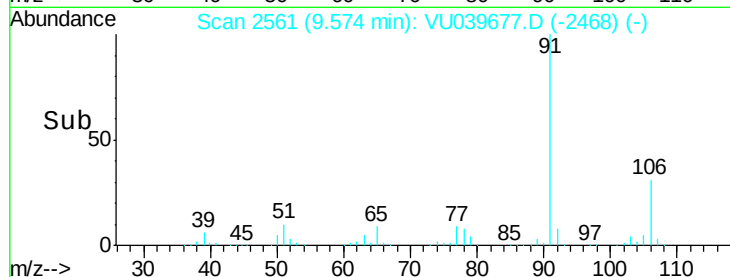
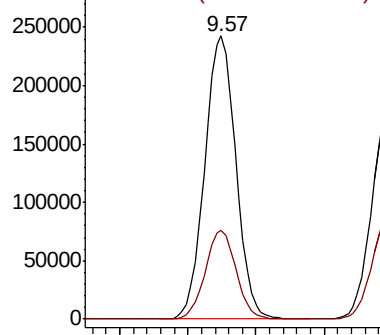
Ion Ratio Lower Upper

91 100

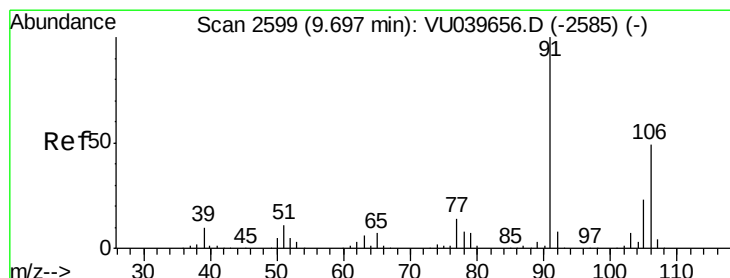
106 31.4 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU039656.D (-2547) (-)



Time-->



#53

m,p-Xylene

Concen: 57.919 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039677.D

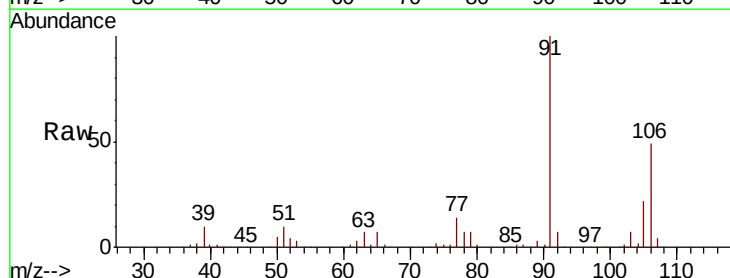
Acq: 24 Jul 2020 20:14

Tgt Ion: 106 Resp: 147984

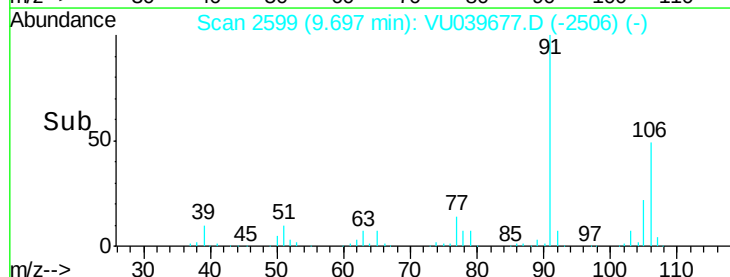
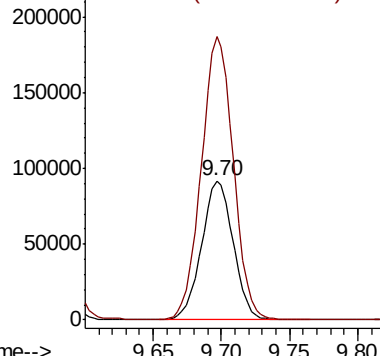
Ion Ratio Lower Upper

106 100

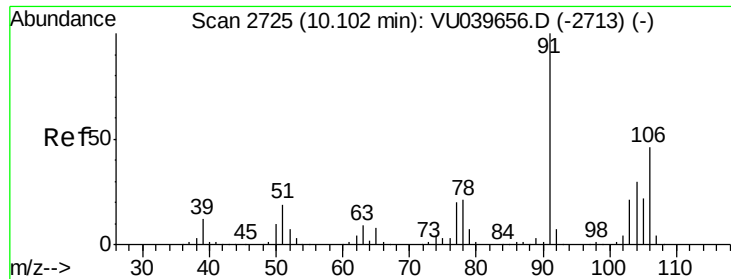
91 203.1 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU039656.D (-2585) (-)



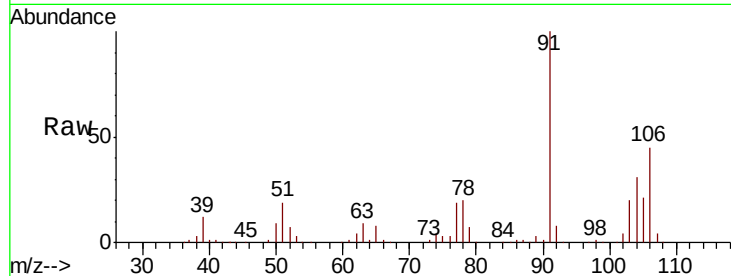
Time-->



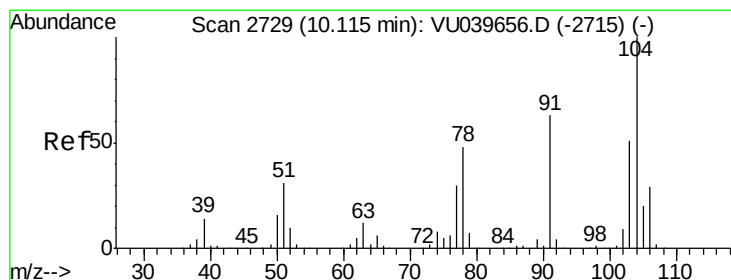
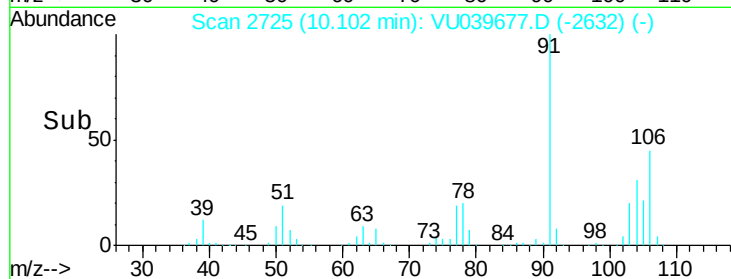
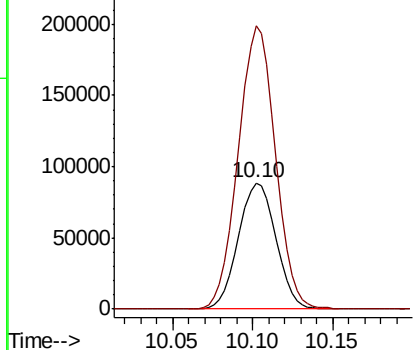
#54
o-xylene
Concen: 58.080 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039677.D
Acq: 24 Jul 2020 20:14

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 142409
Ion Ratio Lower Upper
106 100
91 224.3 155.1 288.1

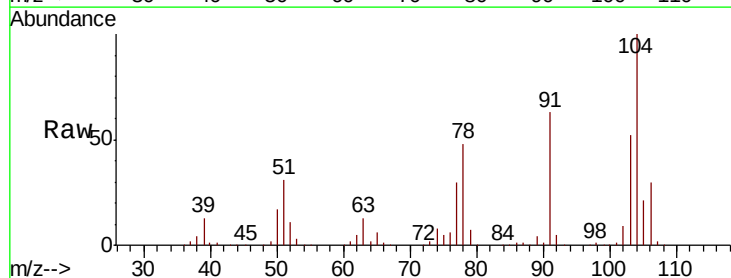


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

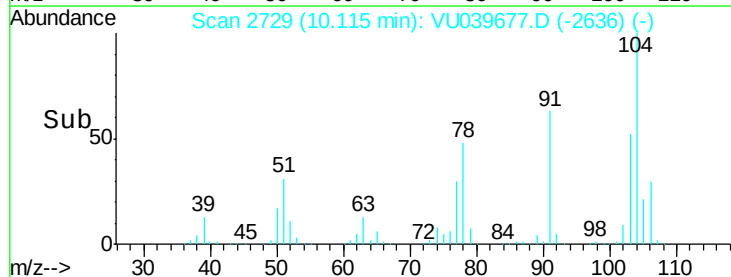
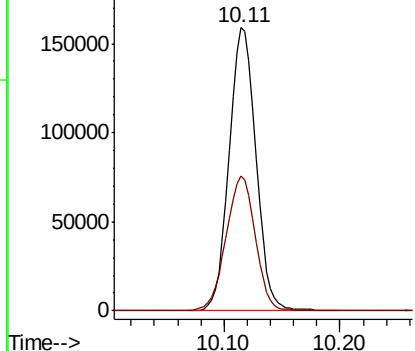


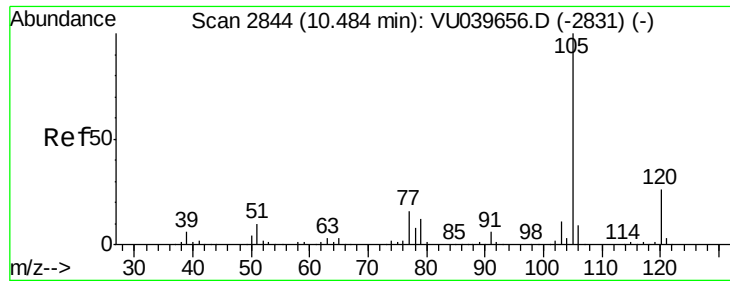
#55
Styrene
Concen: 59.561 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039677.D
Acq: 24 Jul 2020 20:14

Tgt Ion:104 Resp: 252721
Ion Ratio Lower Upper
104 100
78 47.6 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 58.466 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

Instrument :

MSVOA_U

ClientSampleId :

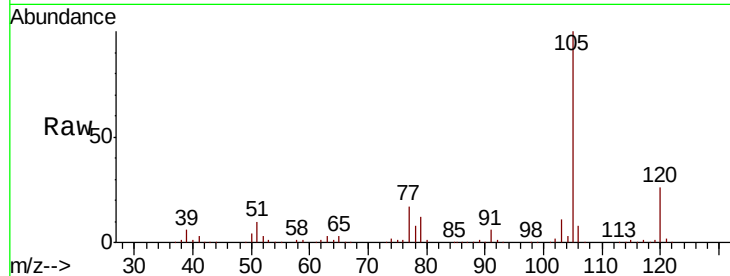
Tot Ion:105 Resp: 389179

Ion Ratio Lower Upper

105 100

120 26.5 20.6 31.0

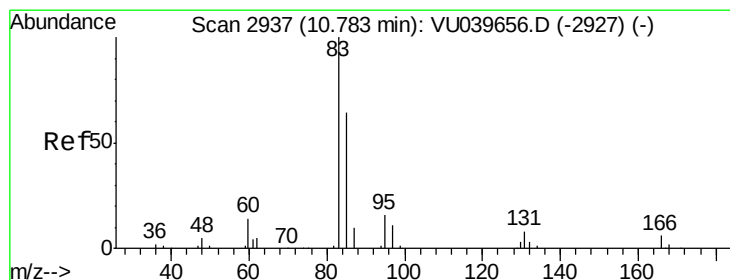
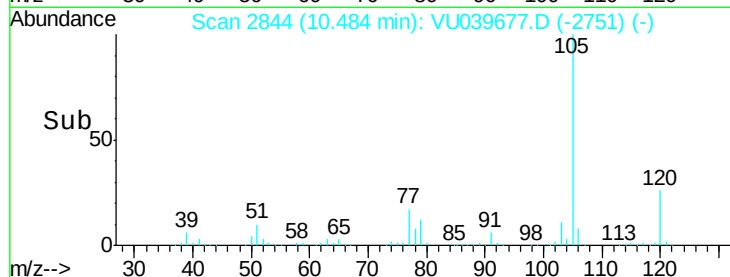
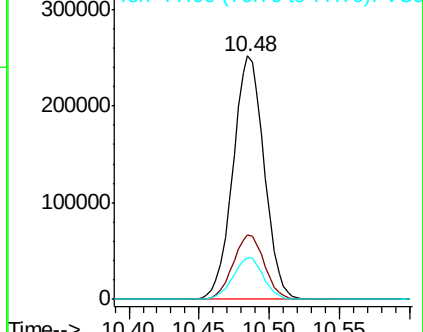
77 16.7 13.4 20.2



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: 54.649 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

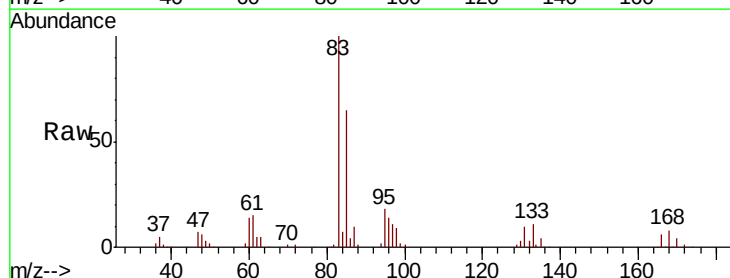
Tgt Ion: 83 Resp: 143439

Ion Ratio Lower Upper

83 100

85 65.1 46.4 86.2

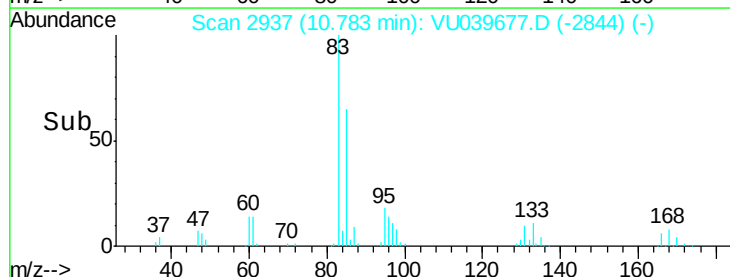
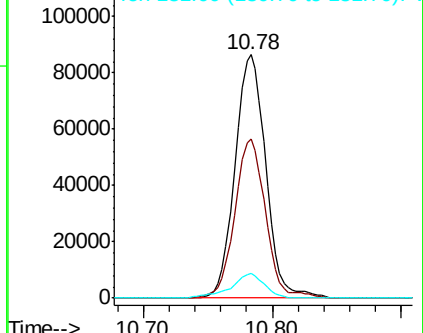
131 10.0 7.8 11.6

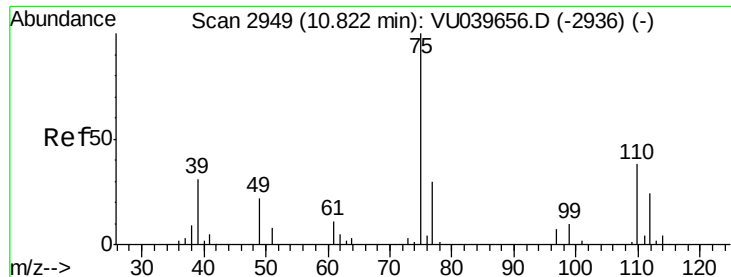


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 54.127 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

Instrument :

MSVOA_U

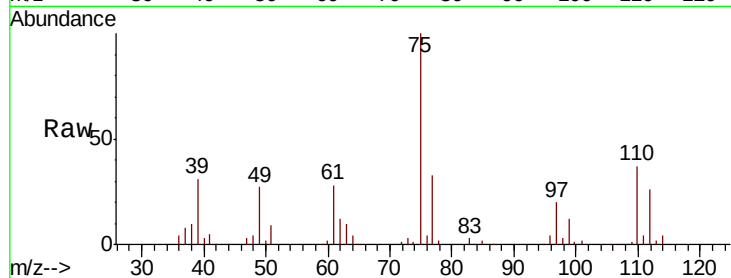
ClientSampleId :

Tot Ion: 75 Resp: 118598

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU039656.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU039656.D (-2936) (-)

10.82

80000

60000

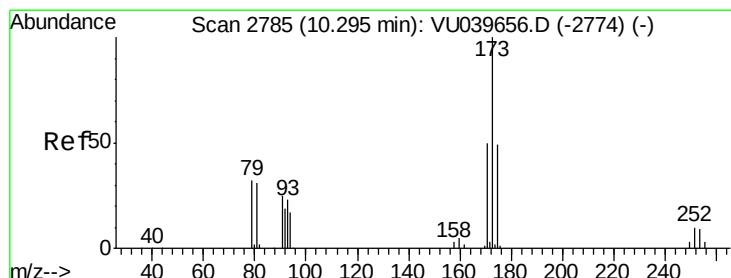
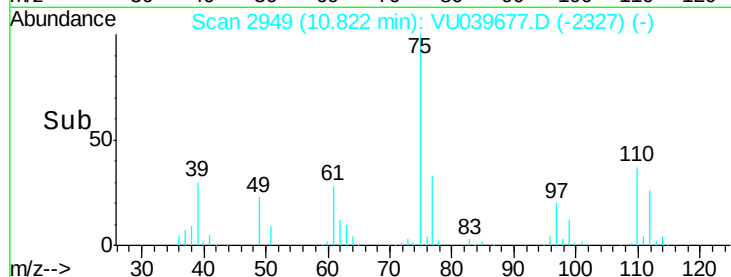
40000

20000

0

Time-->

10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 53.239 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

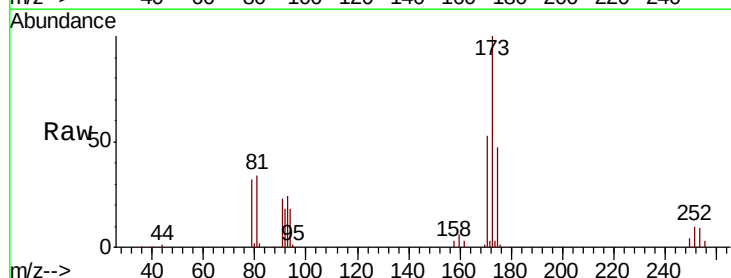
Tgt Ion: 173 Resp: 70679

Ion Ratio Lower Upper

173 100

175 48.0 38.4 57.6

254 8.6 7.0 10.6



Abundance Ion 173.00 (172.70 to 173.70): VU039656.D (-2774) (-)

Ion 175.00 (174.70 to 175.70): VU039656.D (-2774) (-)

Ion 254.00 (253.70 to 254.70): VU039656.D (-2774) (-)

10.29

50000

40000

30000

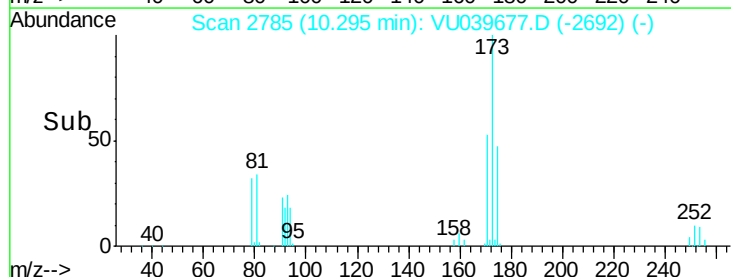
20000

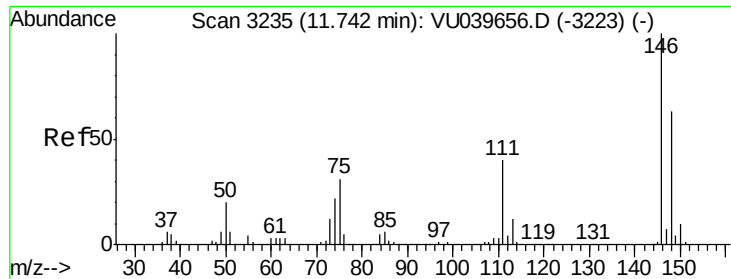
10000

0

Time-->

10.25 10.30 10.35

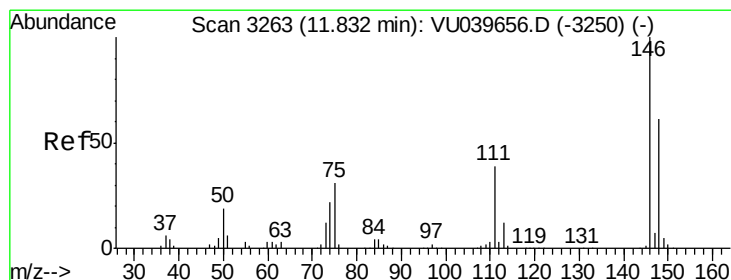
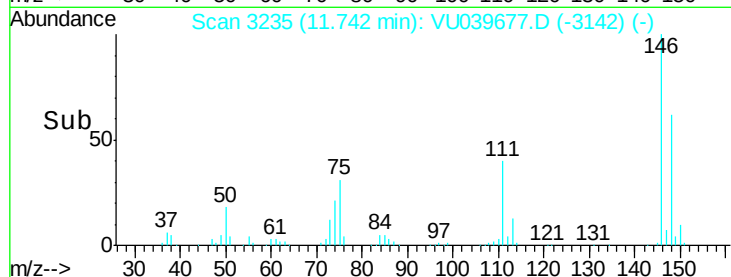
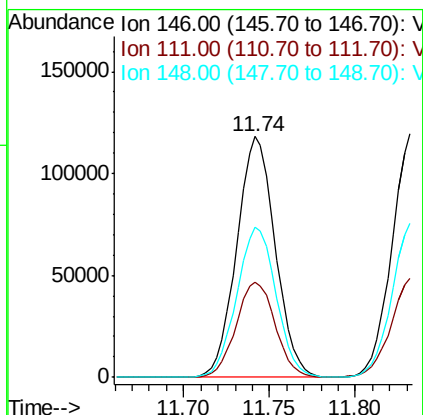
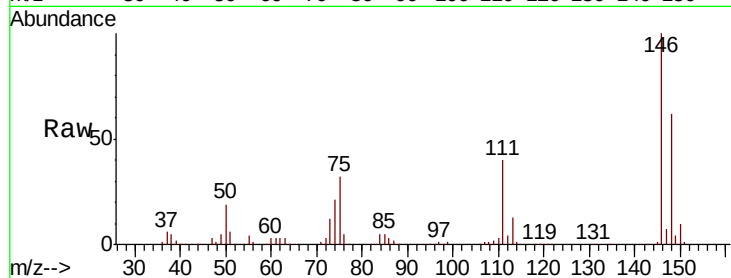




#62
 1,3-Dichlorobenzene
 Concen: 53.240 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039677.D
 Acq: 24 Jul 2020 20:14

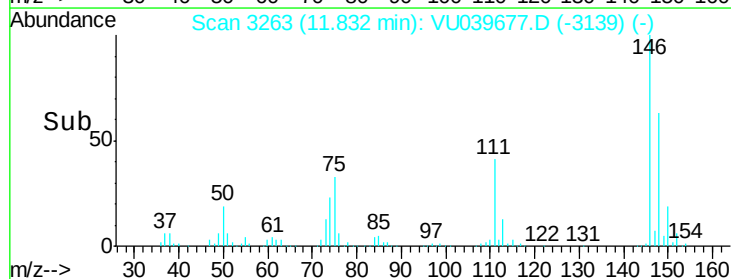
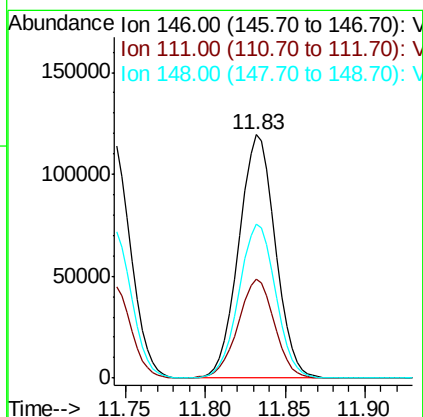
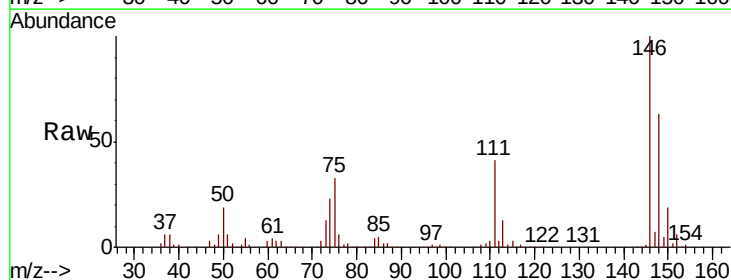
Instrument :
 MSVOA_U
 ClientSampleId :

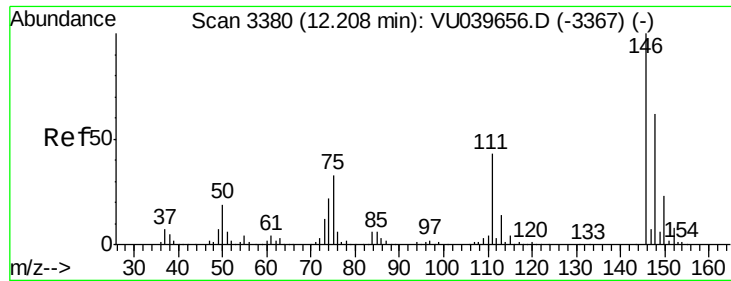
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	29.3	54.3
148	62.1	46.1	85.5



#63
 1,4-Dichlorobenzene
 Concen: 53.888 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039677.D
 Acq: 24 Jul 2020 20:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	27.8	51.6
148	63.3	44.7	83.1





#65

1,2-Dichlorobenzene

Concen: 54.066 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

Instrument :

MSVOA_U

ClientSampled :

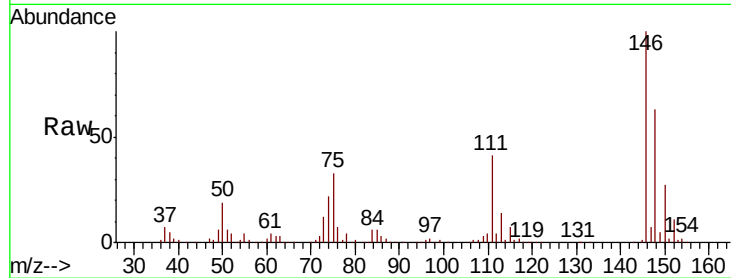
Tot Ion:146 Resp: 187826

Ion Ratio Lower Upper

146 100

111 41.4 34.8 52.2

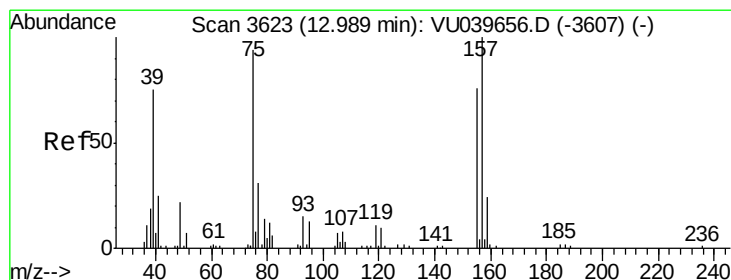
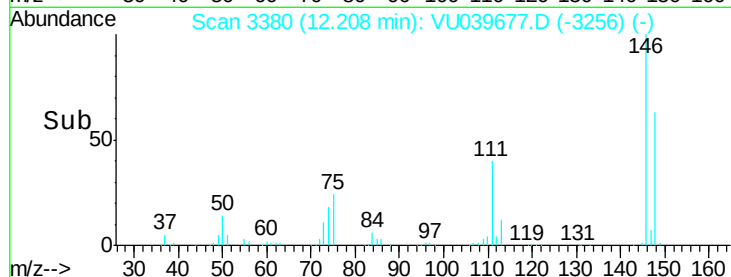
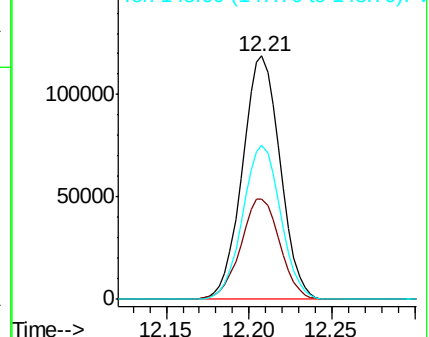
148 63.3 52.5 78.7



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: 52.917 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

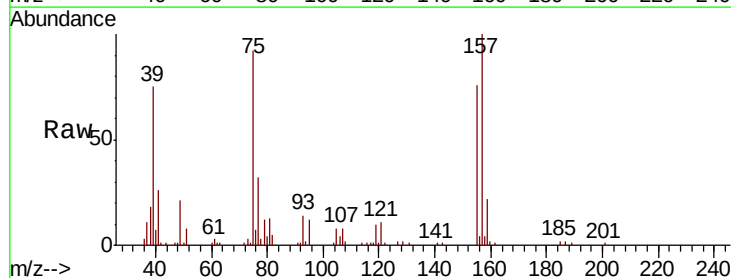
Tgt Ion: 75 Resp: 36776

Ion Ratio Lower Upper

75 100

155 82.6 62.4 93.6

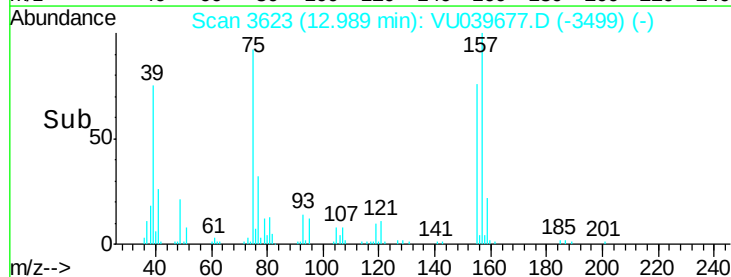
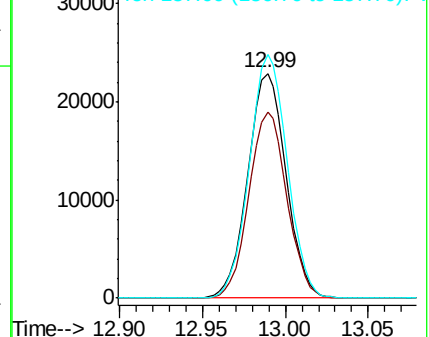
157 108.2 78.9 118.3

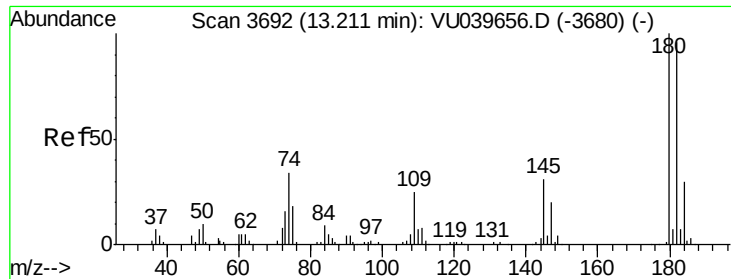


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

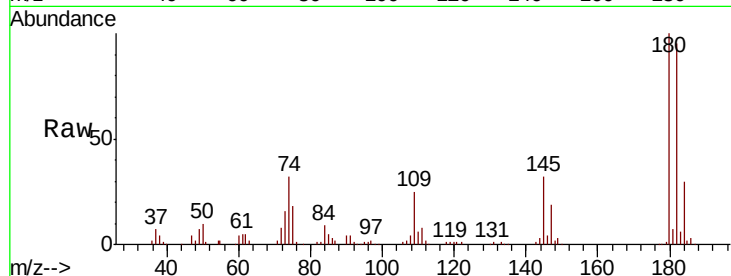




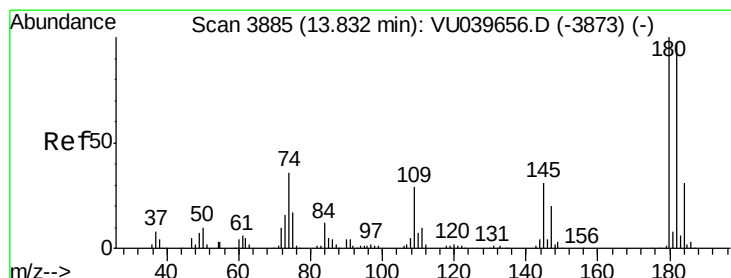
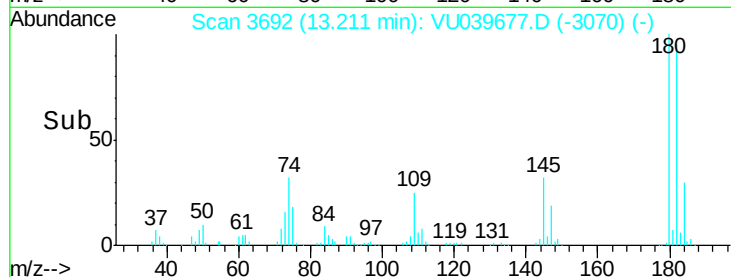
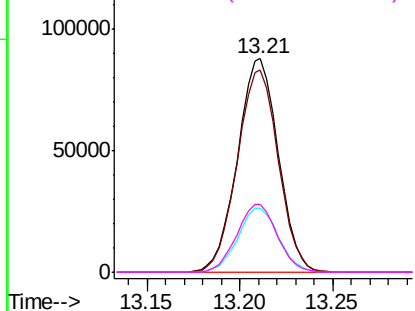
#67
 1,3,5-Trichlorobenzene
 Concen: 54.330 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039677.D
 Acq: 24 Jul 2020 20:14

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 134701
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.7 113.5
 184 30.1 24.2 36.2
 145 31.5 24.6 36.8

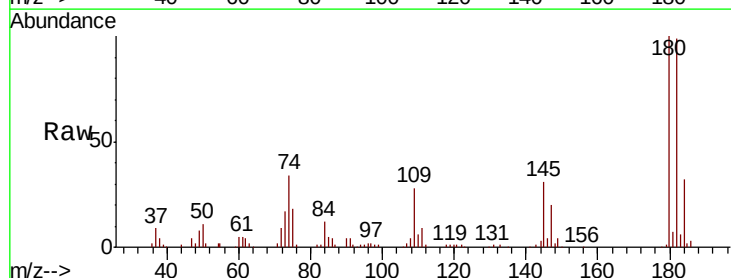


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

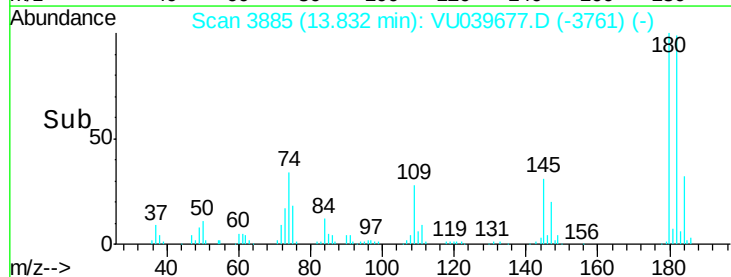
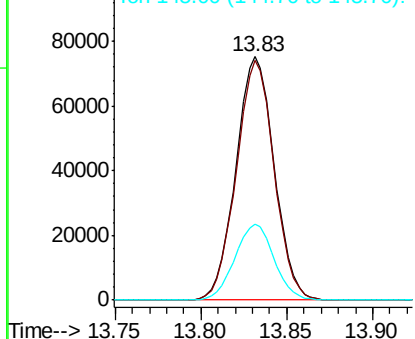


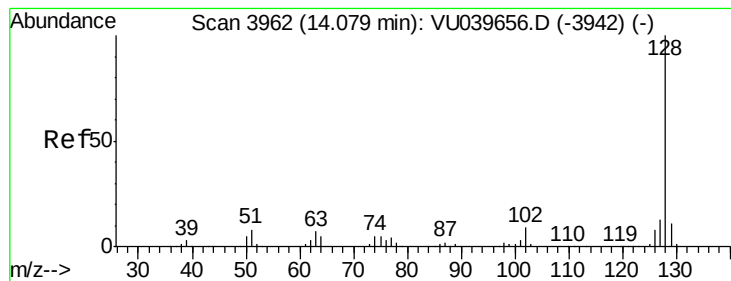
#68
 1,2,4-trichlorobenzene
 Concen: 55.270 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039677.D
 Acq: 24 Jul 2020 20:14

Tgt Ion:180 Resp: 116291
 Ion Ratio Lower Upper
 180 100
 182 96.8 74.4 111.6
 145 31.8 24.8 37.2



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





#69

Naphthalene

Concen: 58.251 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

Instrument :

MSVOA_U

ClientSampleId :

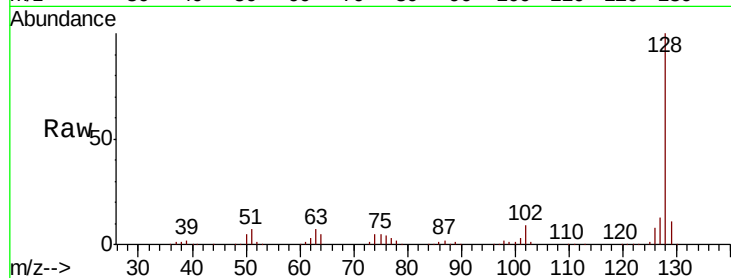
Tot Ion:128 Resp: 367675

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

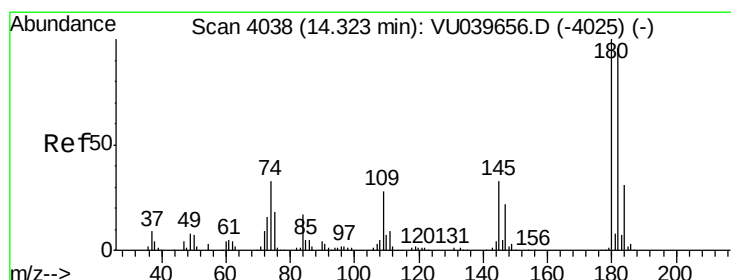
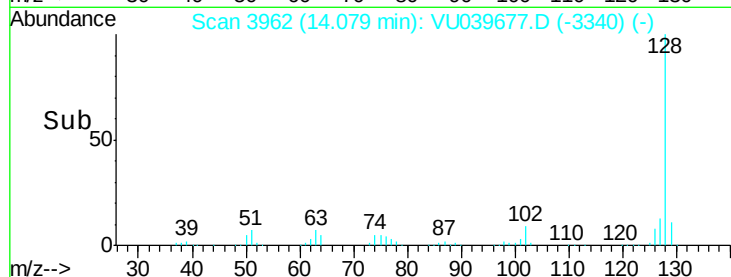
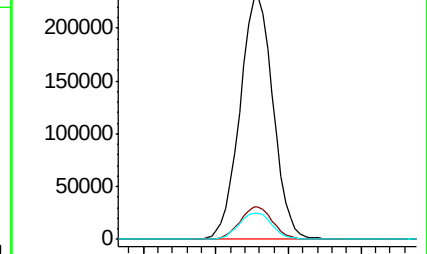
129 10.9 8.8 13.2



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: 55.821 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039677.D

Acq: 24 Jul 2020 20:14

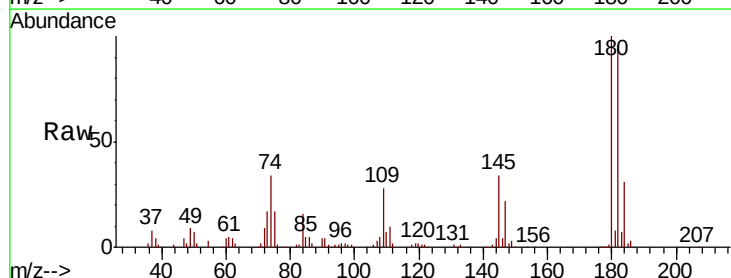
Tgt Ion:180 Resp: 118650

Ion Ratio Lower Upper

180 100

182 95.9 76.6 114.8

145 34.0 27.0 40.4



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

