

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039653.D
 Acq On : 23 Jul 2020 21:37
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 02:09:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 01:59:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	185661	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	178756	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	82791	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	52166	43.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.32%
7) Chloroethane-d5	1.92	69	52120	35.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.96%
11) 1,1-Dichloroethene-d2	2.58	63	86891	33.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.92%
21) 2-Butanone-d5	4.65	46	127333	91.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.25%
24) Chloroform-d	5.08	84	120245	44.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.48%
26) 1,2-Dichloroethane-d4	5.72	65	87398	44.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.98%
32) Benzene-d6	5.75	84	231810	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.70	67	78083	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.94%
41) Toluene-d8	7.91	98	212380	45.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.94%
43) trans-1,3-Dichloropropene-	8.19	79	35265	42.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.86%
47) 2-Hexanone-d5	8.64	63	79288	89.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.30%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	114094	44.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.52%
64) 1,2-Dichlorobenzene-d4	12.19	152	84643	46.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.50%

Target Compounds

				Ovalue
2) Dichlorodifluoromethane	1.39	85	2283	1.805 ug/L 97
3) Chloromethane	1.53	50	3069	2.336 ug/L 100
5) Vinyl chloride	1.61	62	2765	2.071 ug/L # 73
6) Bromomethane	1.86	94	2471	2.463 ug/L 84
9) Trichlorofluoromethane	2.15	101	4998	2.118 ug/L 93
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2757	2.428 ug/L 85
12) 1,1-Dichloroethene	2.59	96	3068	2.897 ug/L # 1
13) Acetone	2.65	43	3532	3.803 ug/L 98
14) Carbon disulfide	2.81	76	6361	1.877 ug/L # 93
15) Methyl Acetate	2.97	43	3181	1.912 ug/L 97
16) Methylene chloride	3.06	84	2753	2.170 ug/L 92
17) trans-1,2-Dichloroethene	3.38	96	2269	1.925 ug/L 89
18) Methyl tert-butyl Ether	3.39	73	7566	1.987 ug/L 97
19) 1,1-Dichloroethane	3.90	63	4548	1.977 ug/L 99
20) cis-1,2-Dichloroethene	4.69	96	2675	1.986 ug/L 95
22) 2-Butanone	4.73	43	4713	3.601 ug/L # 74
23) Bromochloromethane	4.99	128	1345	1.987 ug/L 88

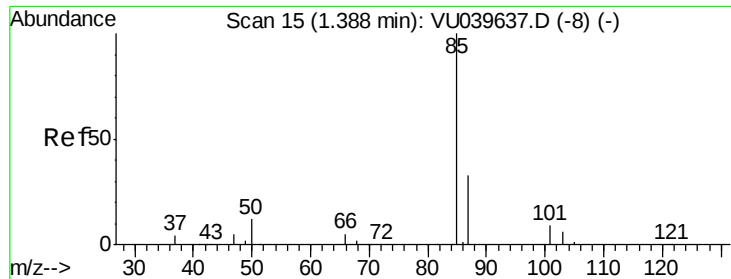
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 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.11	83	9807	3.844	ug/L	99
27) 1,2-Dichloroethane	5.81	62	4616	2.182	ug/L #	91
29) Cyclohexane	5.41	56	3844	1.979	ug/L #	80
30) 1,1,1-Trichloroethane	5.34	97	4388	2.050	ug/L	94
33) Benzene	5.79	78	10262	2.083	ug/L	100
34) Trichloroethene	6.56	95	2664	2.044	ug/L	93
35) Methylcyclohexane	6.78	83	3808	1.890	ug/L #	83
37) 1,2-Dichloropropane	6.81	63	2856	2.141	ug/L #	89
38) Bromodichloromethane	7.12	83	3643	2.057	ug/L #	93
39) cis-1,3-Dichloropropene	7.62	75	4007	2.010	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	8849	3.808	ug/L	100
42) Toluene	7.98	91	11376	2.100	ug/L	96
44) trans-1,3-Dichloropropene	8.21	75	3434	1.759	ug/L	94
45) 1,1,2-Trichloroethane	8.41	97	2425	1.906	ug/L	88
46) Tetrachloroethene	8.56	164	1802	1.828	ug/L	94
48) 2-Hexanone	8.69	43	11105	5.865	ug/L	96
49) Dibromochloromethane	8.82	129	2559	1.782	ug/L	97
50) 1,2-Dibromoethane	8.93	107	2939	2.077	ug/L #	86
51) Chlorobenzene	9.45	112	7082	2.049	ug/L	90
52) Ethylbenzene	9.57	91	12134	2.027	ug/L	90
53) m,p-Xylene	9.70	106	4266	1.890	ug/L	88
54) o-xylene	10.10	106	3978	1.837	ug/L	100
55) Styrene	10.12	104	6575	1.754	ug/L	94
56) Isopropylbenzene	10.48	105	9922	1.688	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	4730	2.040	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	3813	1.970	ug/L	96
61) Bromoform	10.29	173	1765	1.802	ug/L #	88
62) 1,3-Dichlorobenzene	11.74	146	4994	1.969	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	5252	2.067	ug/L	94
65) 1,2-Dichlorobenzene	12.21	146	5515	2.152	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	3601	1.969	ug/L	95
68) 1,2,4-trichlorobenzene	13.83	180	2841	1.830	ug/L	96
69) Naphthalene	14.08	128	7300	1.568	ug/L	95
70) 1,2,3-Trichlorobenzene	14.32	180	3071	1.959	ug/L	90

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



#2

Dichlorodifluoromethane

Concen: 1.805 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

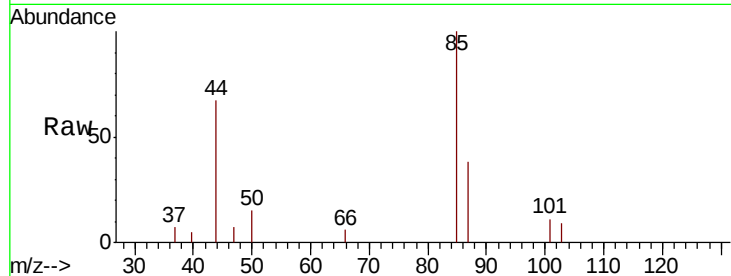
ClientSampleId :

Tot Ion: 85 Resp: 2283

Ion Ratio Lower Upper

85 100

87 34.4 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU039637.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039637.D (-8) (-)

1.39

2000

1500

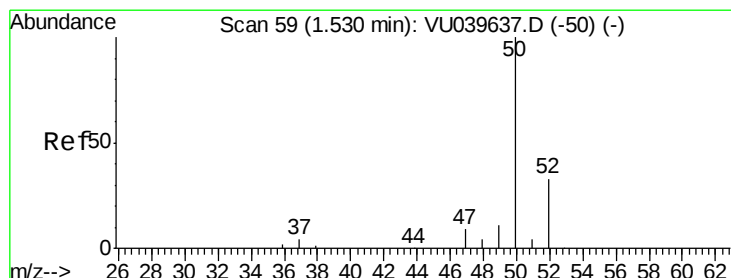
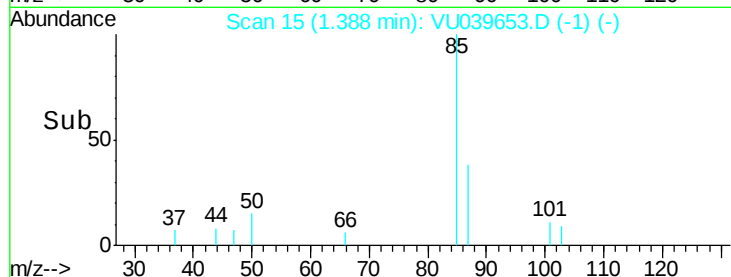
1000

500

0

1.36 1.38 1.40 1.42

Time-->



#3

Chloromethane

Concen: 2.336 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039653.D

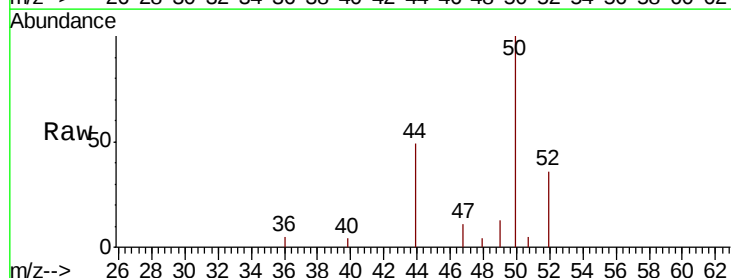
Acq: 23 Jul 2020 21:37

Tgt Ion: 50 Resp: 3069

Ion Ratio Lower Upper

50 100

52 34.1 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VU039637.D (-50) (-)

Ion 52.00 (51.70 to 52.70): VU039637.D (-50) (-)

1.53

3000

2500

2000

1500

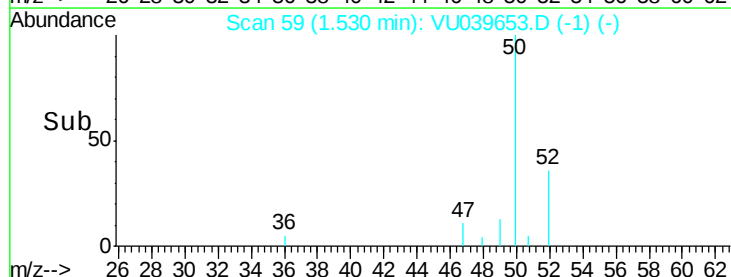
1000

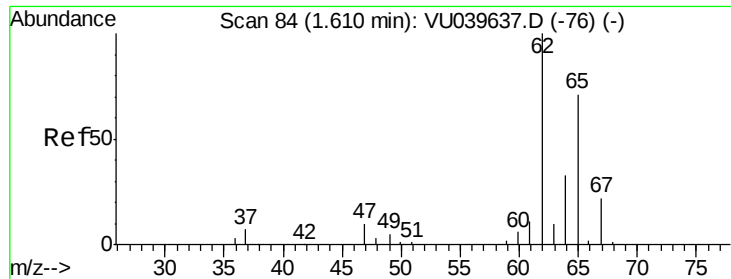
500

0

1.50 1.52 1.54 1.56

Time-->





#5

Vinyl chloride

Concen: 2.071 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

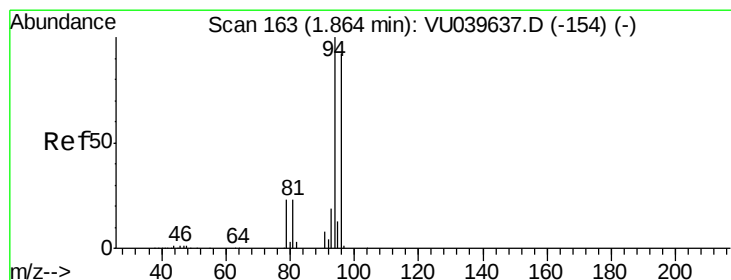
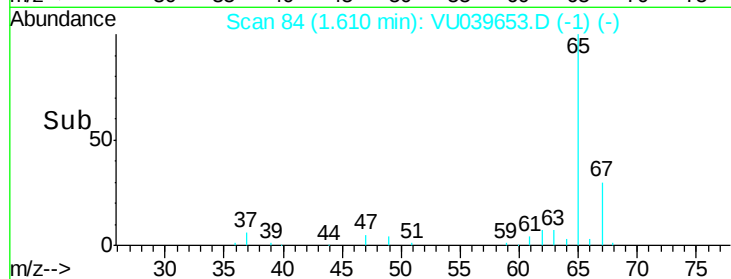
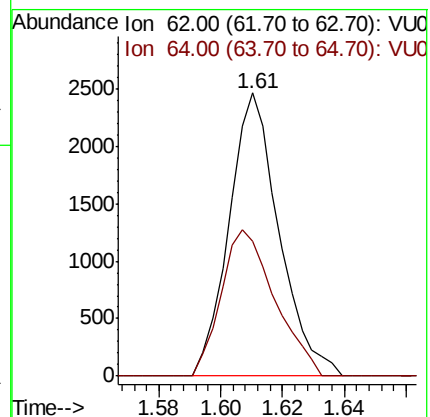
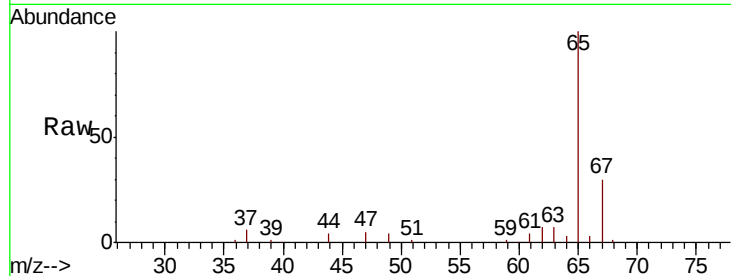
ClientSampleId :

Tot Ion: 62 Resp: 2765

Ion Ratio Lower Upper

62 100

64 47.6 22.8 42.4#



#6

Bromomethane

Concen: 2.463 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039653.D

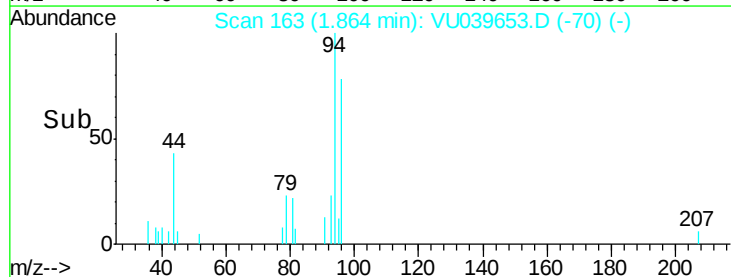
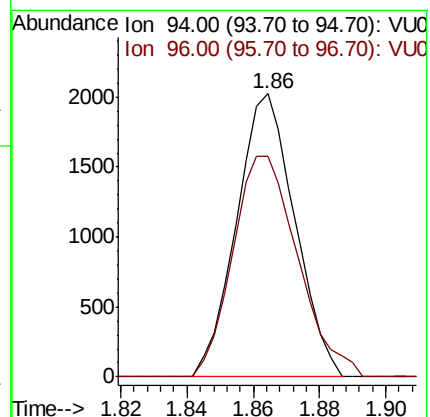
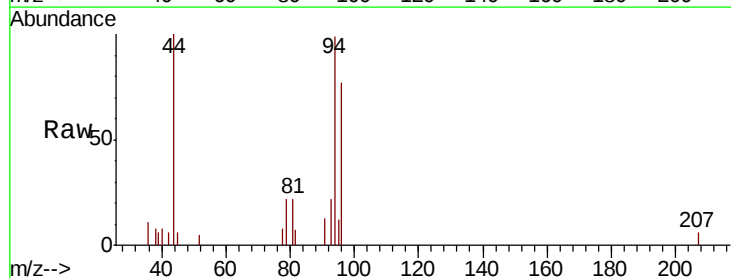
Acq: 23 Jul 2020 21:37

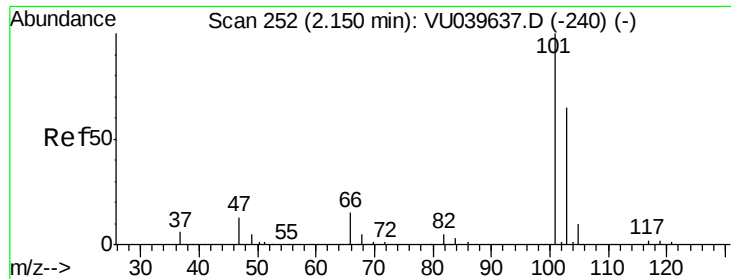
Tgt Ion: 94 Resp: 2471

Ion Ratio Lower Upper

94 100

96 78.2 65.7 122.1



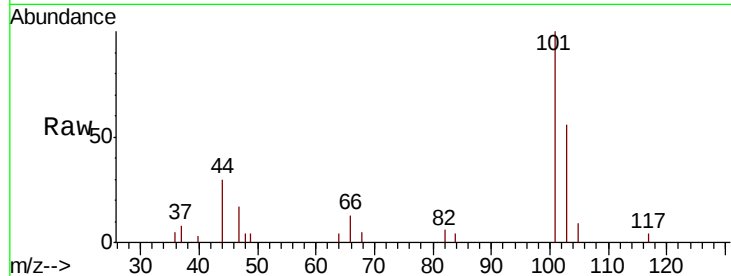


#9

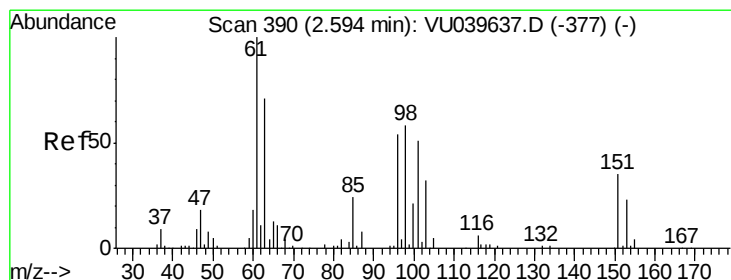
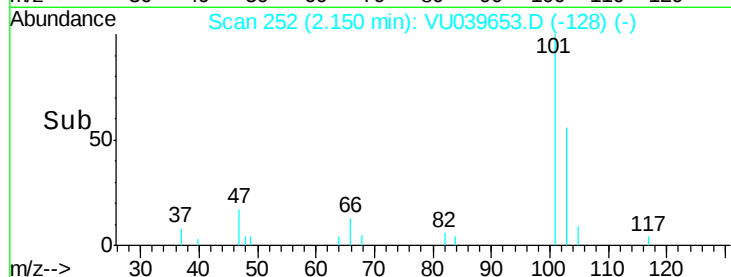
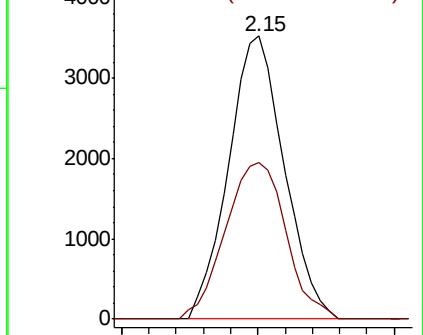
Trichlorofluoromethane
 Concen: 2.118 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:101 Resp: 4998
 Ion Ratio Lower Upper
 101 100
 103 60.2 52.8 79.2



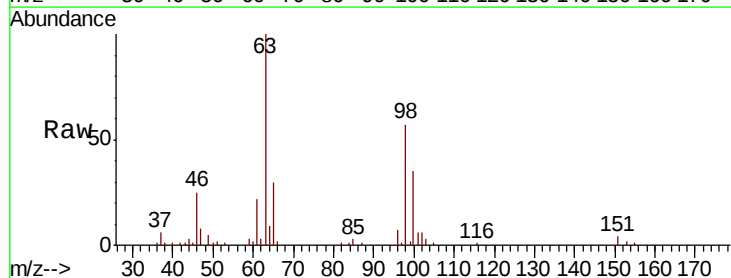
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



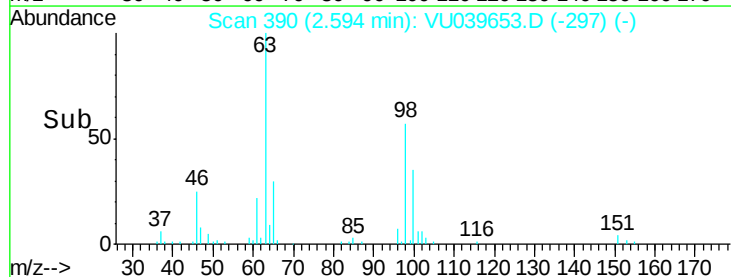
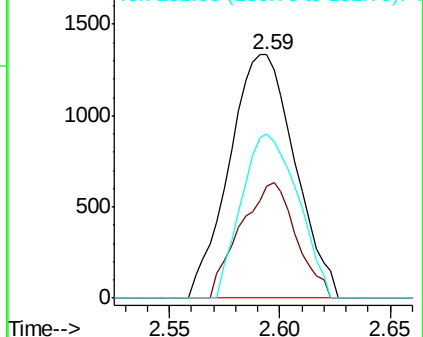
#10

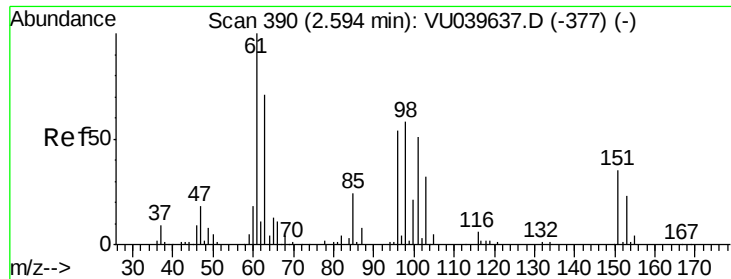
1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.428 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

Tgt Ion:101 Resp: 2757
 Ion Ratio Lower Upper
 101 100
 85 40.4 39.7 59.5
 151 58.0 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: 2.897 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

ClientSampleId :

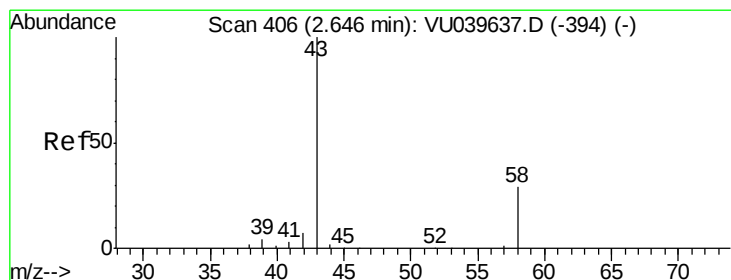
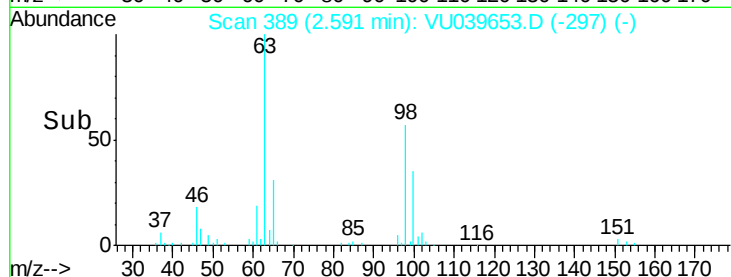
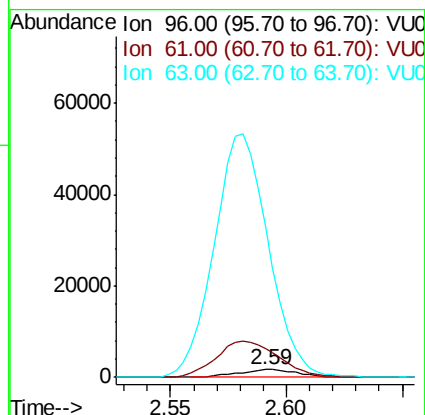
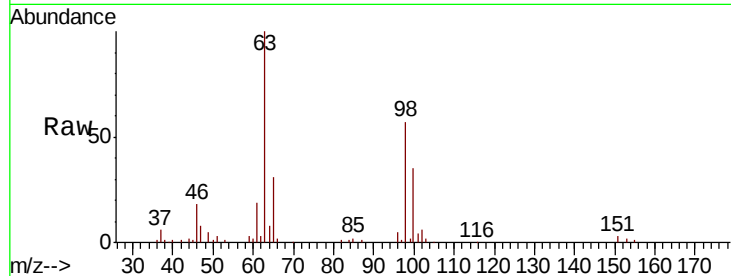
Tot Ion: 96 Resp: 3068

Ion Ratio Lower Upper

96 100

61 360.6 136.6 253.6#

63 1860.4 97.2 180.6#



#13

Acetone

Concen: 3.803 ug/L

RT: 2.65 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU039653.D

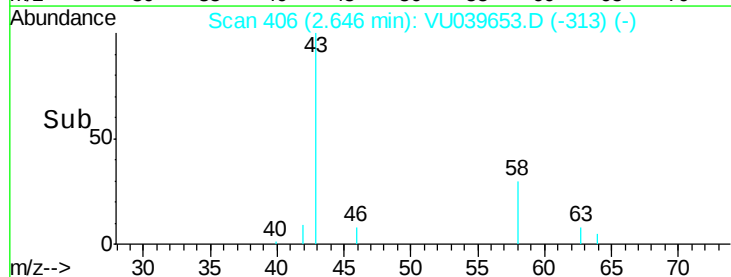
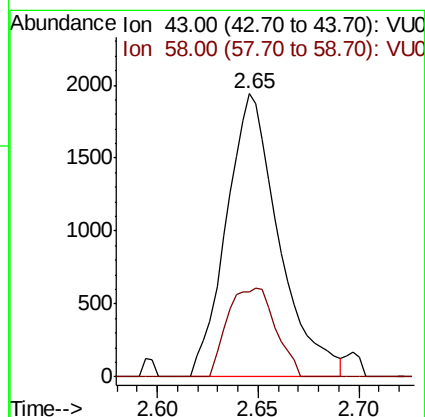
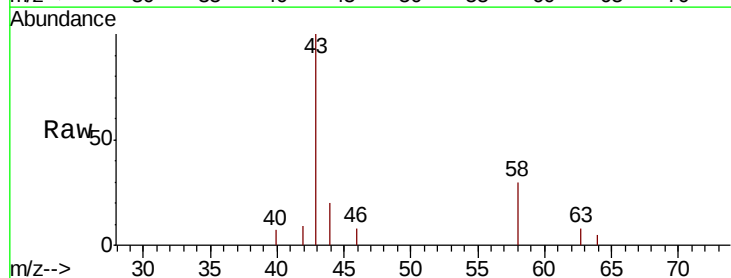
Acq: 23 Jul 2020 21:37

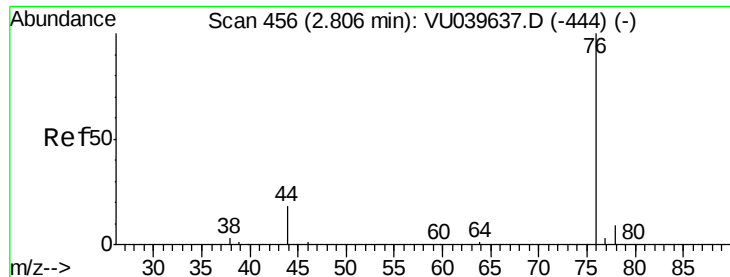
Tgt Ion: 43 Resp: 3532

Ion Ratio Lower Upper

43 100

58 28.7 0.0 59.4





#14

Carbon disulfide

Concen: 1.877 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

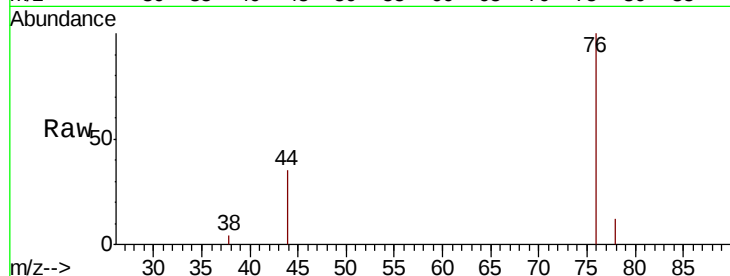
ClientSampleId :

Tot Ion: 76 Resp: 6361

Ion Ratio Lower Upper

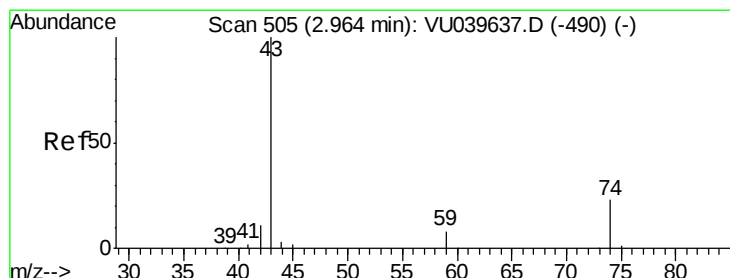
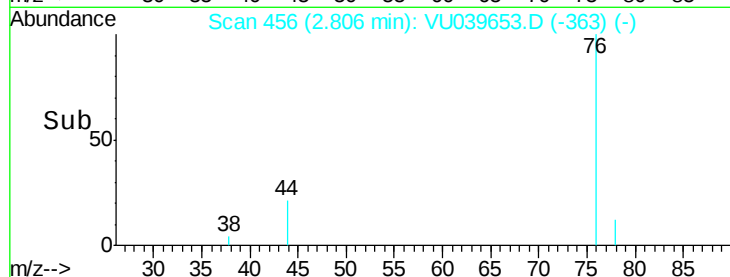
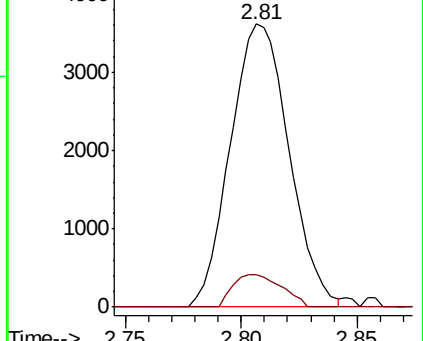
76 100

78 11.6 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VU039637.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU039637.D (-444) (-)



#15

Methyl Acetate

Concen: 1.912 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU039653.D

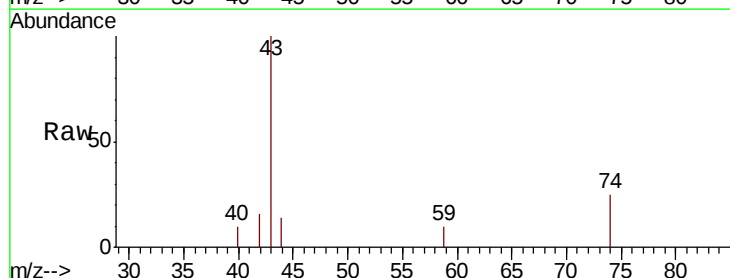
Acq: 23 Jul 2020 21:37

Tgt Ion: 43 Resp: 3181

Ion Ratio Lower Upper

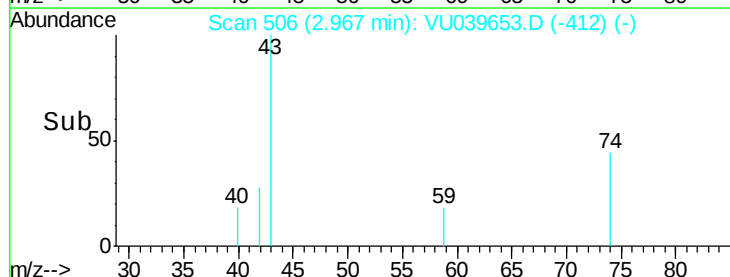
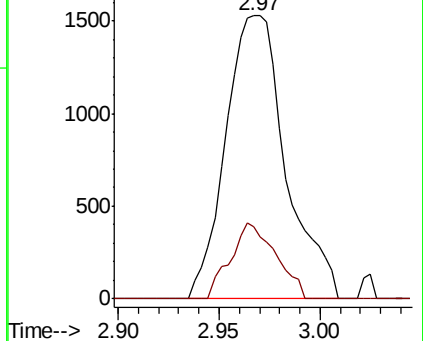
43 100

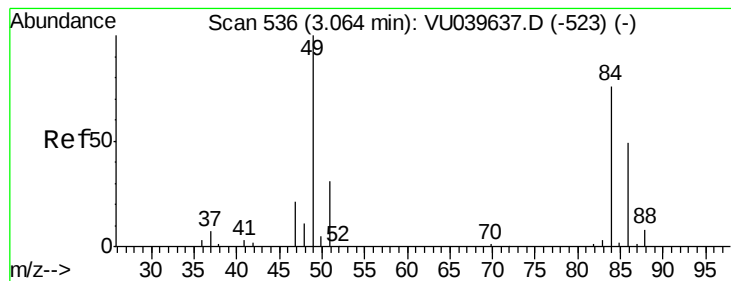
74 20.4 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VU039637.D (-490) (-)

Ion 74.00 (73.70 to 74.70): VU039637.D (-490) (-)





#16

Methylene chloride

Concen: 2.170 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

ClientSampleId :

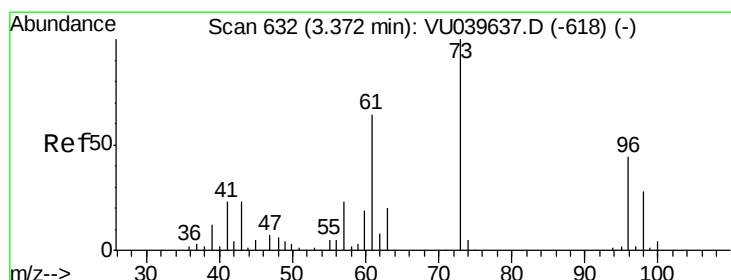
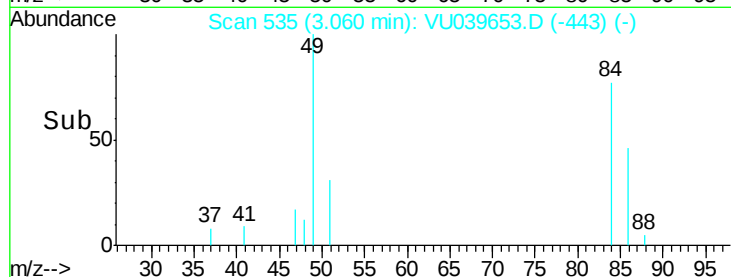
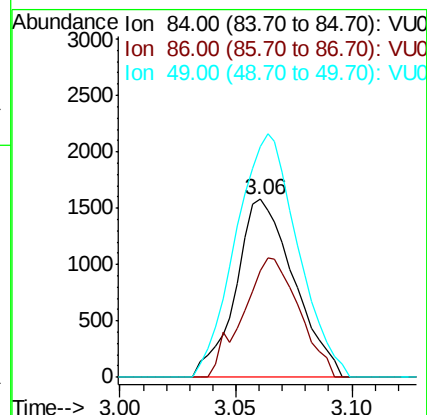
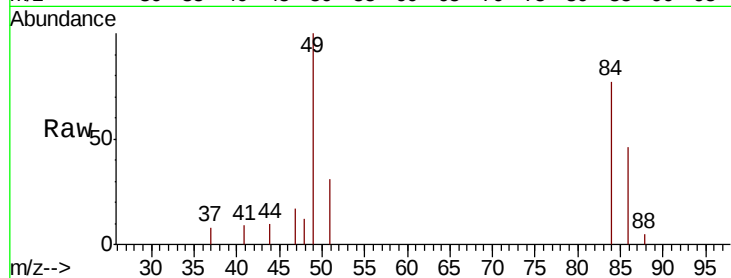
Tot Ion: 84 Resp: 2753

Ion Ratio Lower Upper

84 100

86 59.9 46.2 85.8

49 129.8 97.3 180.7



#17

trans-1,2-Dichloroethene

Concen: 1.925 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

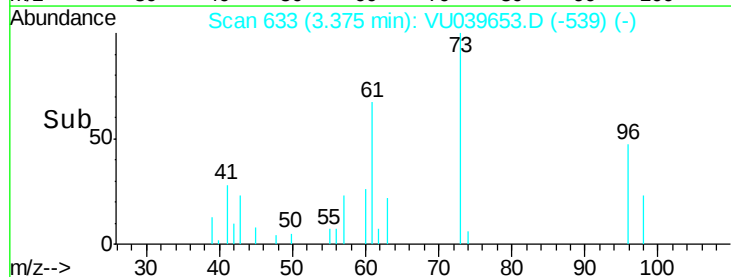
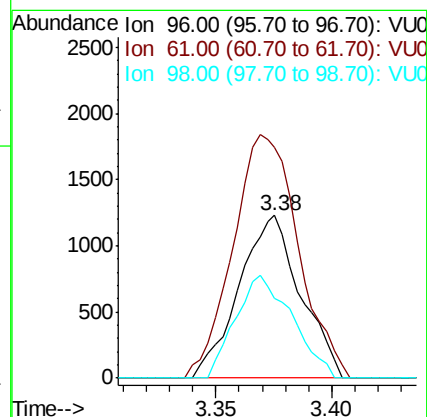
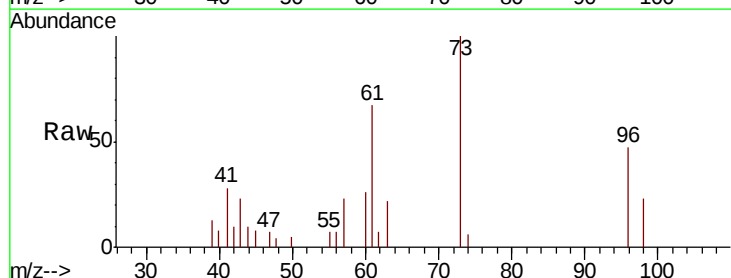
Tgt Ion: 96 Resp: 2269

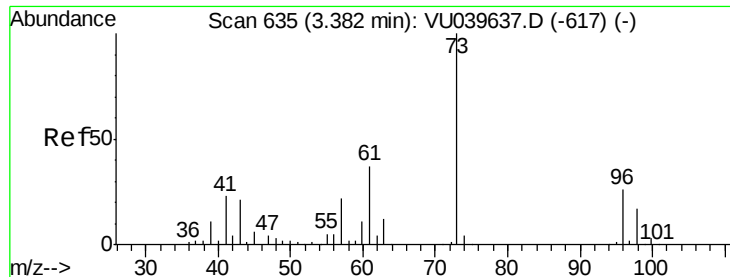
Ion Ratio Lower Upper

96 100

61 142.1 106.7 198.1

98 49.3 44.3 82.3

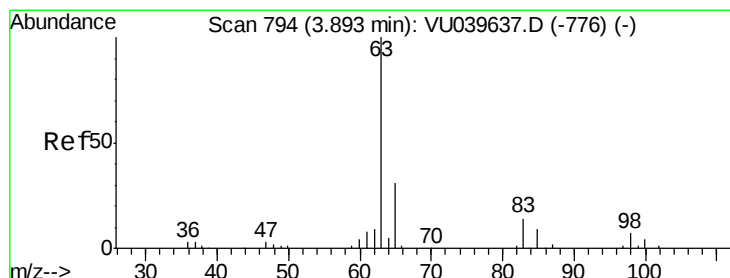
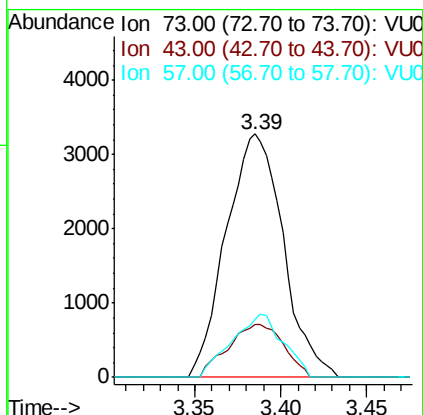
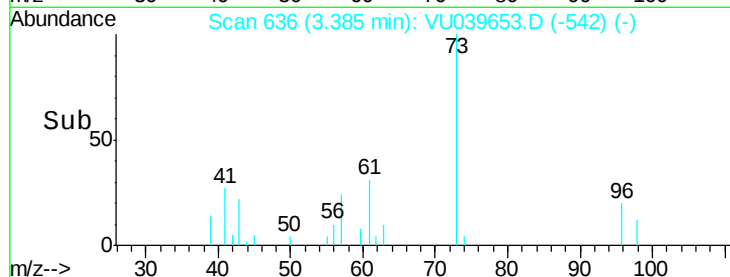
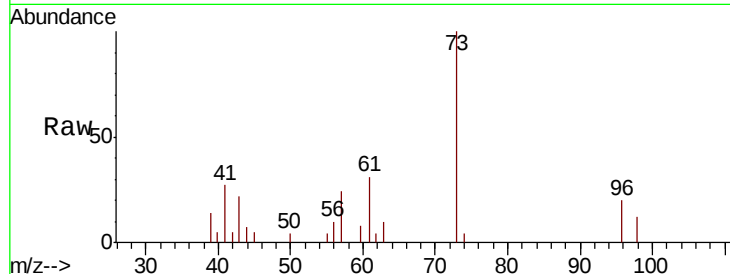




#18
Methvl tert-butvl Ether
Concen: 1.987 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 21:37

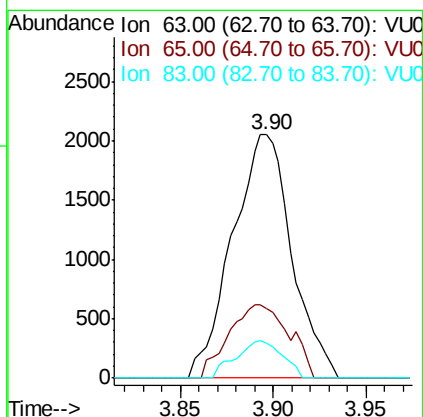
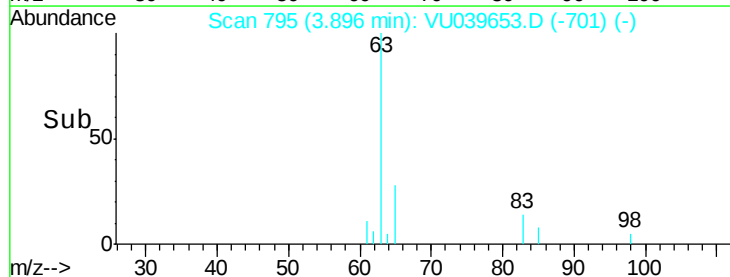
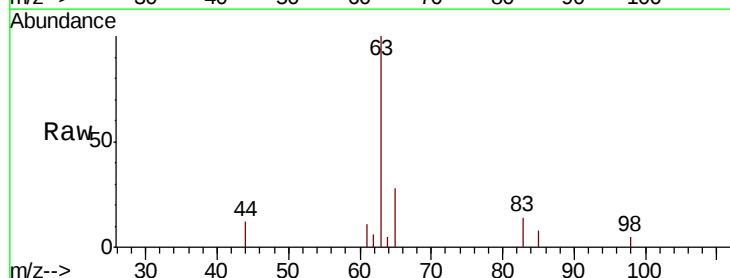
Instrument :
MSVOA_U
ClientSampleId :

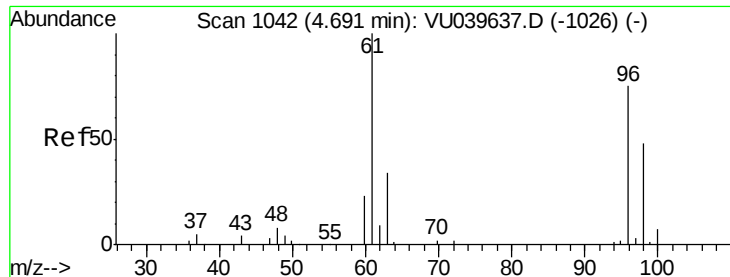
Tot Ion: 73 Resp: 7566
Ion Ratio Lower Upper
73 100
43 21.2 18.2 27.2
57 23.3 17.4 26.2



#19
1,1-Dichloroethane
Concen: 1.977 ug/L
RT: 3.90 min Scan# 795
Delta R.T. 0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 21:37

Tgt Ion: 63 Resp: 4548
Ion Ratio Lower Upper
63 100
65 28.3 20.4 38.0
83 14.2 9.7 18.1

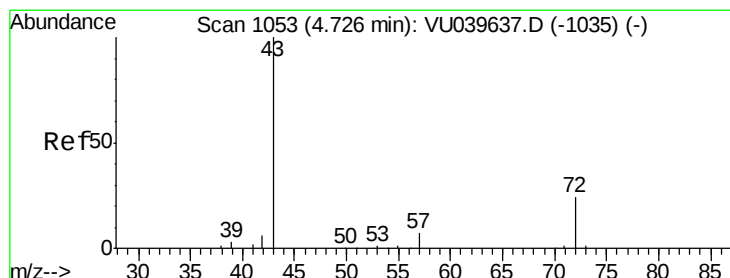
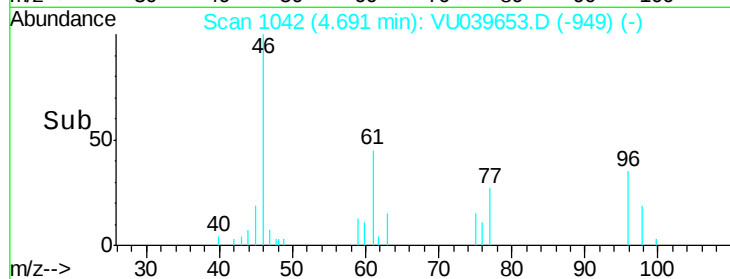
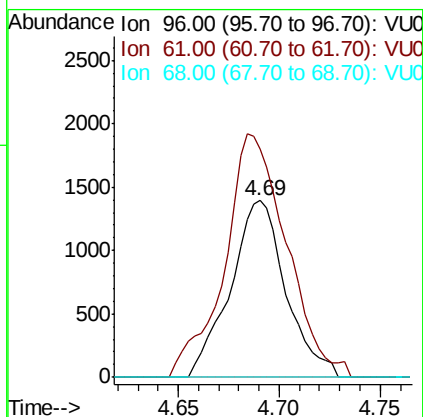
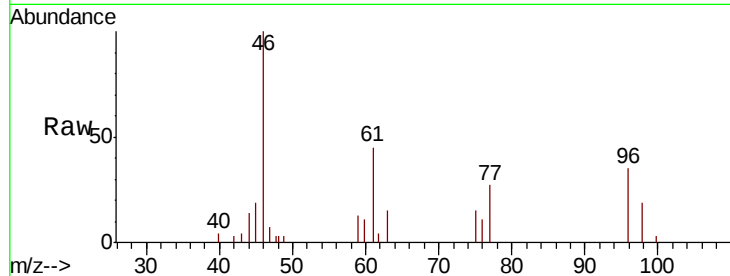




#20
 cis-1,2-Dichloroethene
 Concen: 1.986 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

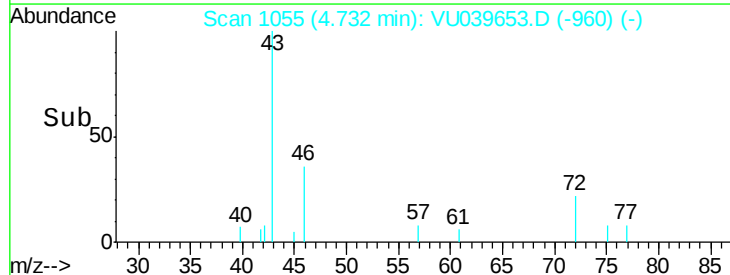
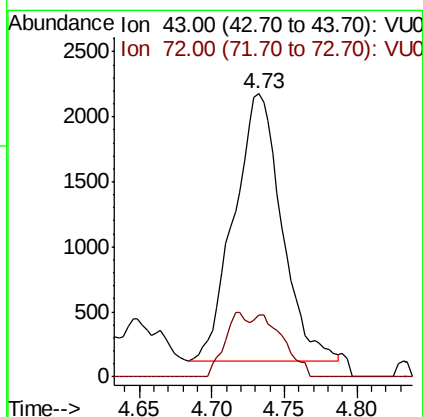
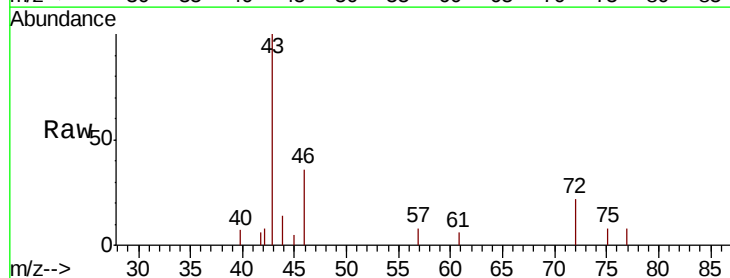
Instrument :
 MSVOA_U
 ClientSampleId :

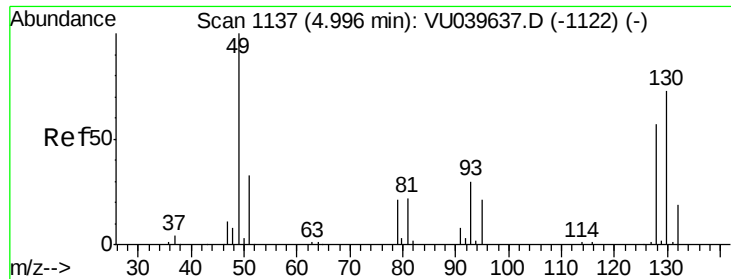
Tot Ion: 96 Resp: 2675
 Ion Ratio Lower Upper
 96 100
 61 128.7 94.0 174.6
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 3.601 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

Tgt Ion: 43 Resp: 4713
 Ion Ratio Lower Upper
 43 100
 72 12.2 12.8 38.3#





#23

Bromochloromethane

Concen: 1.987 ug/L

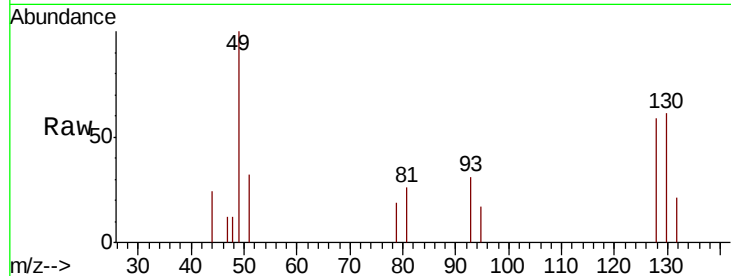
RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039653.D

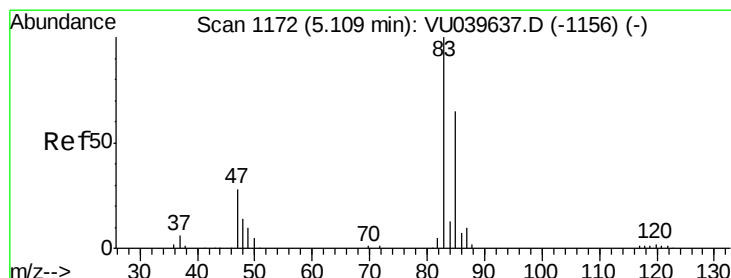
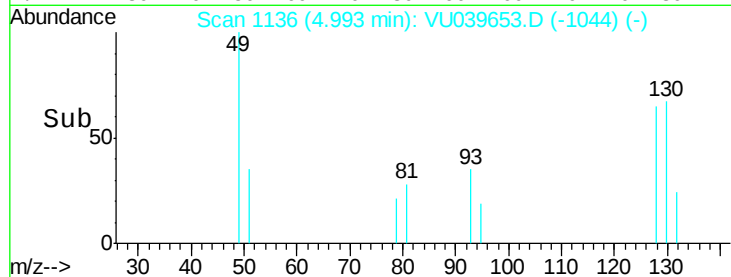
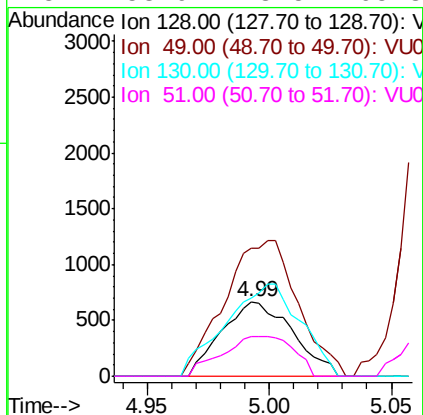
Acq: 23 Jul 2020 21:37

Instrument :
MSVOA_U
ClientSampleId :



Tot Ion:128 Resp: 1345

Ion	Ratio	Lower	Upper
128	100		
49	170.9	124.5	231.3
130	104.2	94.4	175.2
51	53.9	43.5	65.3



#25

Chloroform

Concen: 3.844 ug/L

RT: 5.11 min Scan# 1172

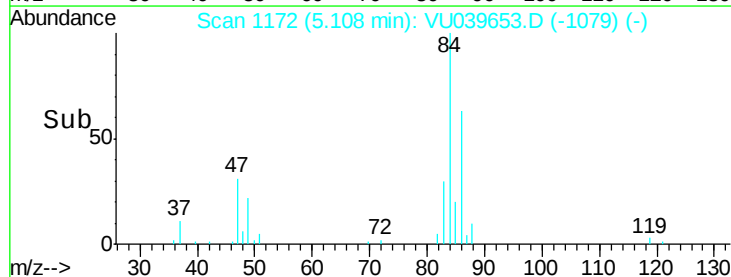
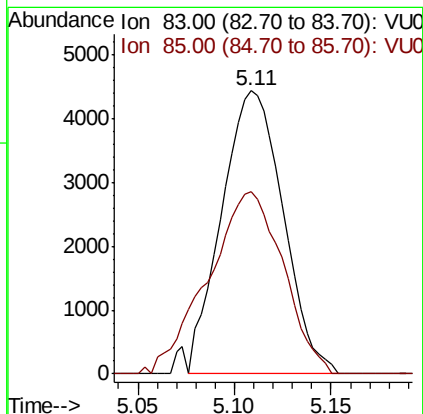
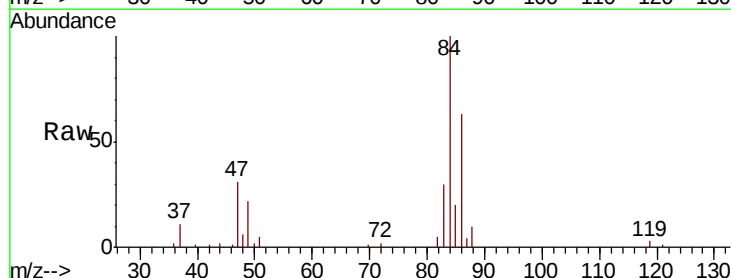
Delta R.T. -0.00 min

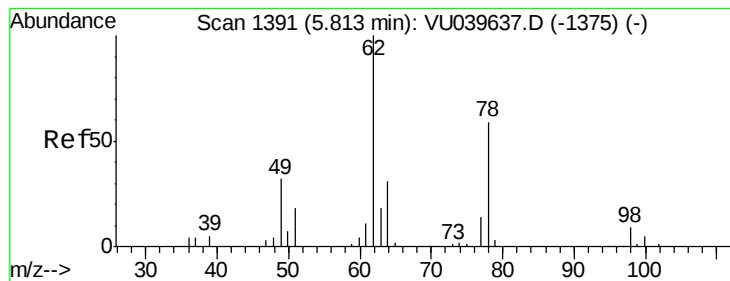
Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

Tgt Ion: 83 Resp: 9807

Ion	Ratio	Lower	Upper
83	100		
85	64.5	45.6	84.6





#27

1,2-Dichloroethane

Concen: 2.182 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

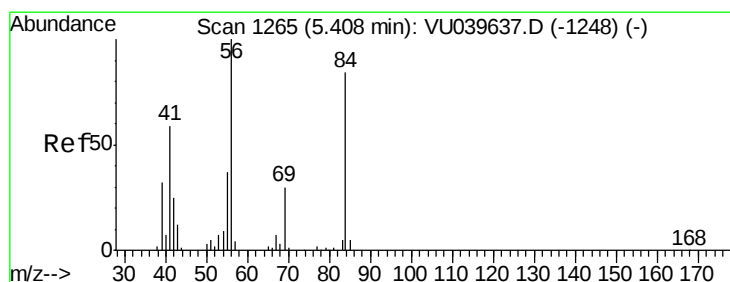
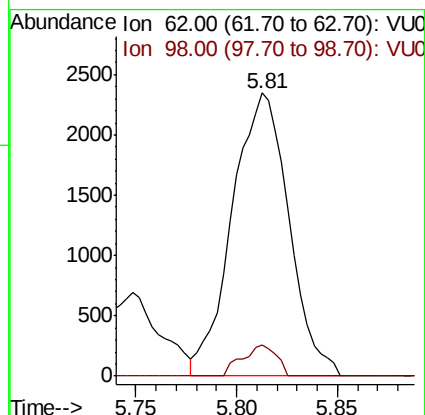
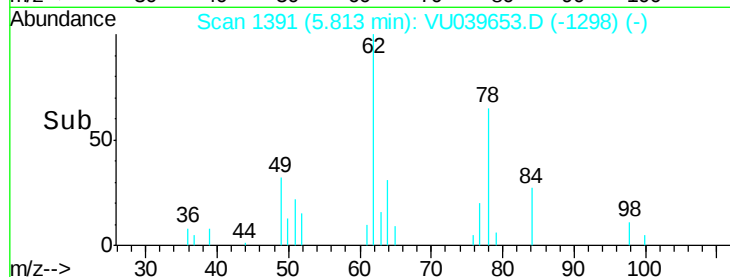
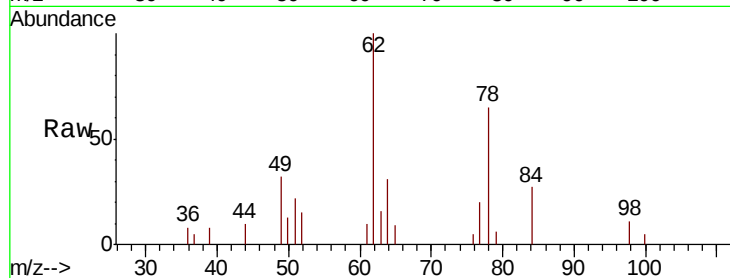
ClientSampleId :

Tot Ion: 62 Resp: 4616

Ion Ratio Lower Upper

62 100

98 11.1 6.4 9.6#



#29

Cyclohexane

Concen: 1.979 ug/L

RT: 5.41 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

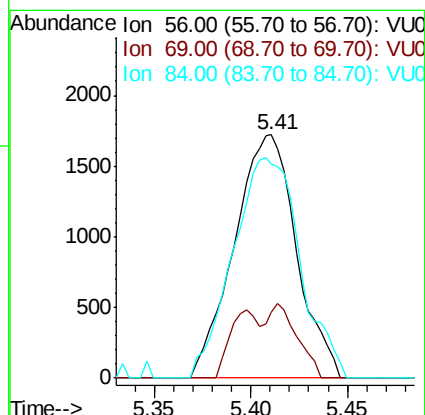
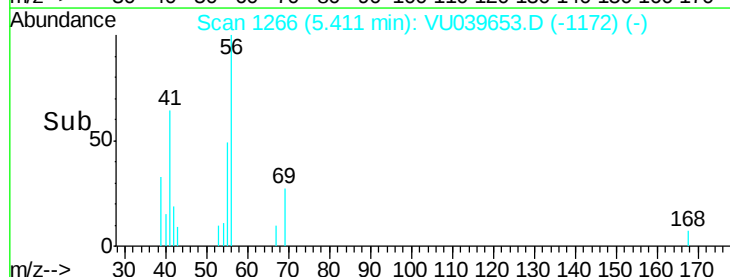
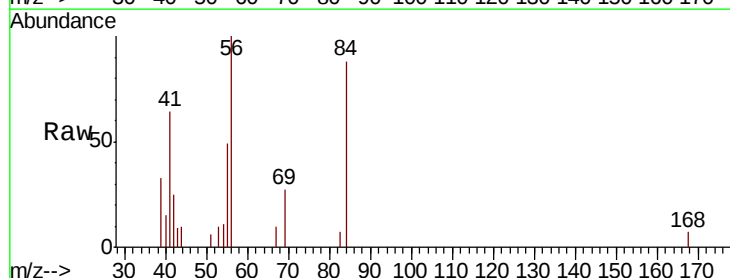
Tgt Ion: 56 Resp: 3844

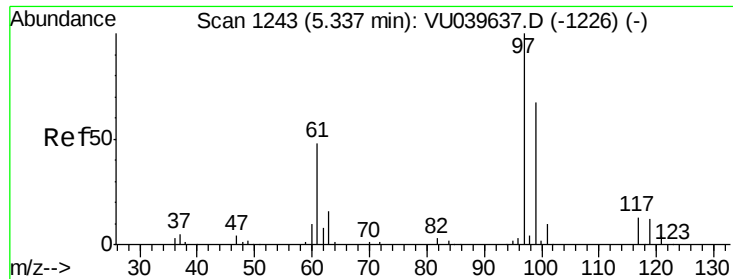
Ion Ratio Lower Upper

56 100

69 15.3 23.9 35.9#

84 97.9 65.8 98.8

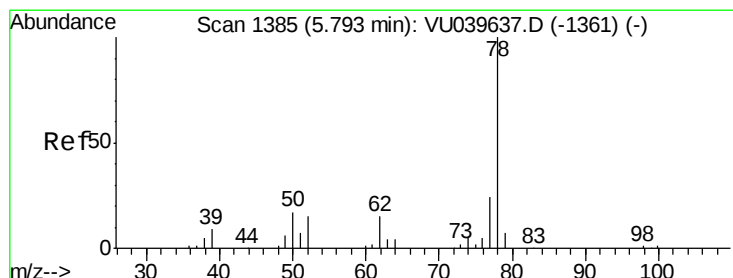
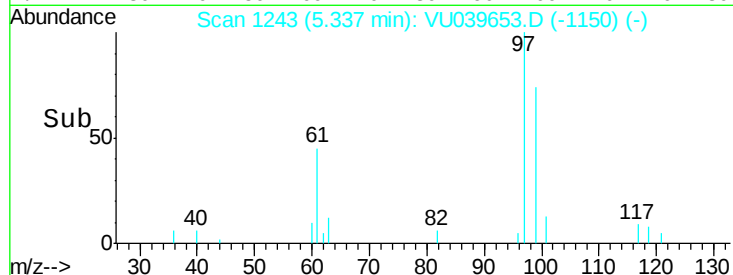
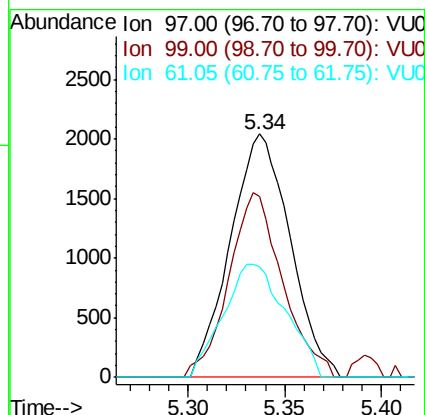
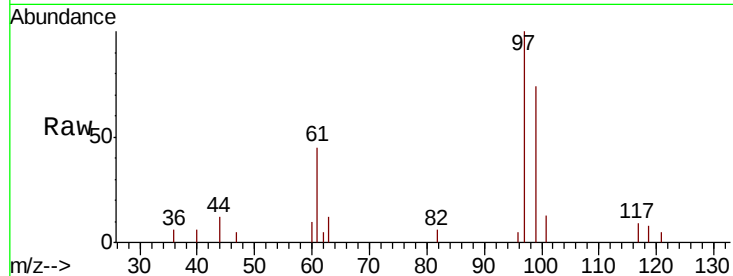




#30
 1,1,1-Trichloroethane
 Concen: 2.050 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

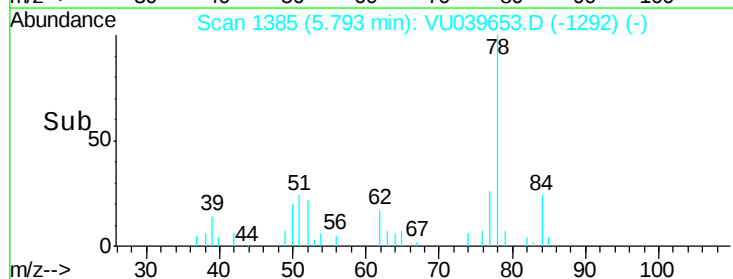
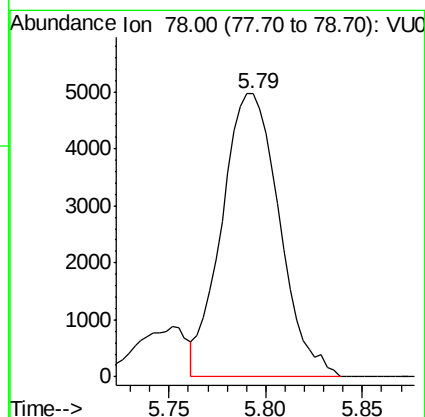
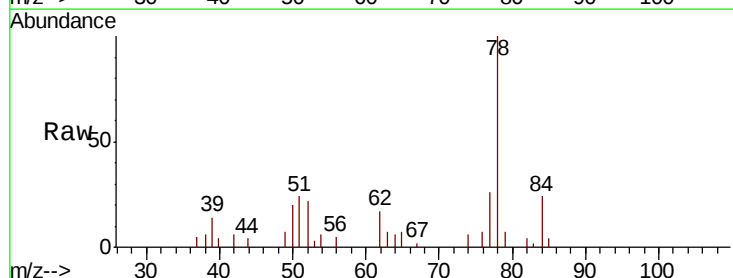
Instrument :
 MSVOA_U
 ClientSampled :

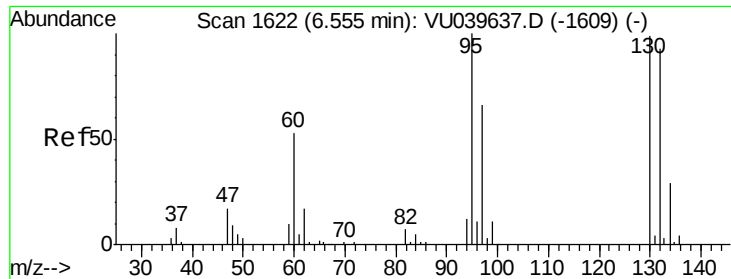
Tot Ion: 97 Resp: 4388
 Ion Ratio Lower Upper
 97 100
 99 68.3 50.3 75.5
 61 48.6 36.0 54.0



#33
 Benzene
 Concen: 2.083 ug/L
 RT: 5.79 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

Tgt Ion: 78 Resp: 10262

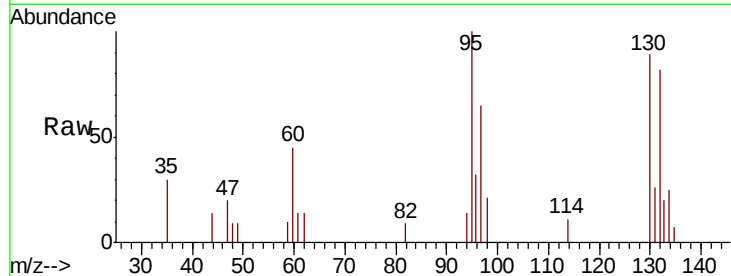




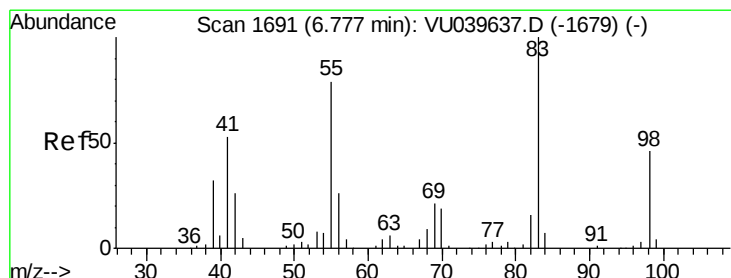
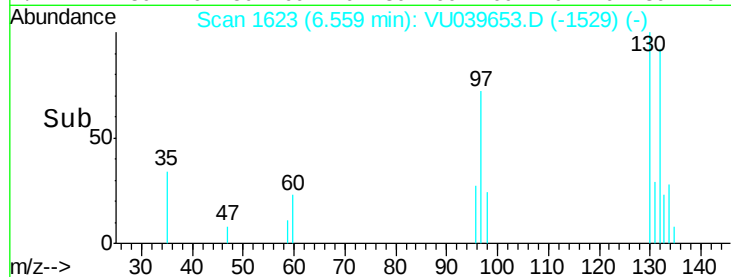
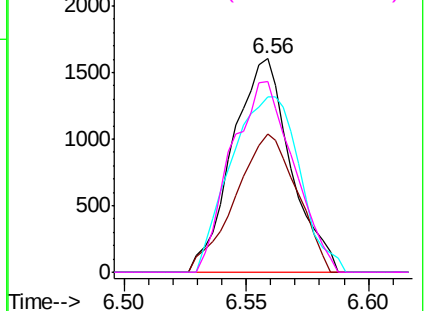
#34
 Trichloroethene
 Concen: 2.044 ug/L
 RT: 6.56 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 2664
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.5 84.5
 132 82.1 65.0 120.6
 130 89.3 67.9 126.1

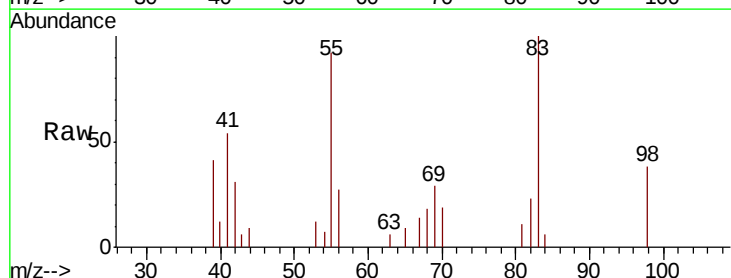


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

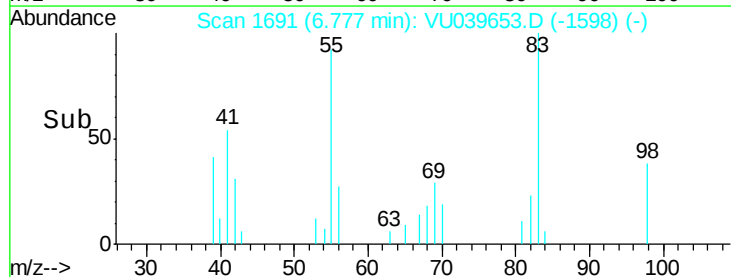
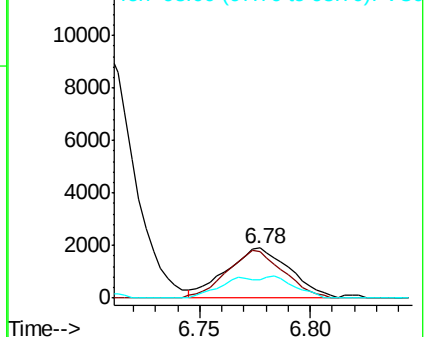


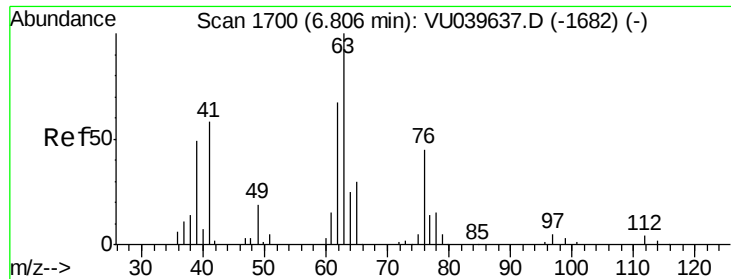
#35
 Methylcyclohexane
 Concen: 1.890 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

Tgt Ion: 83 Resp: 3808
 Ion Ratio Lower Upper
 83 100
 55 84.6 62.9 94.3
 98 22.2 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

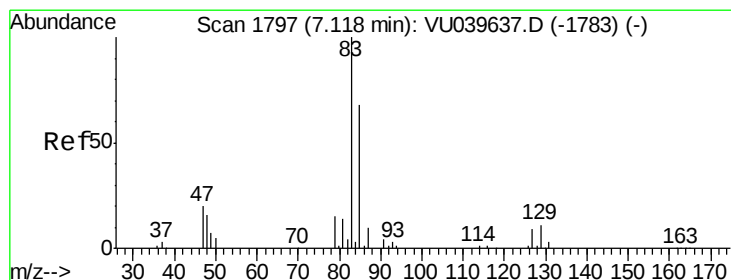
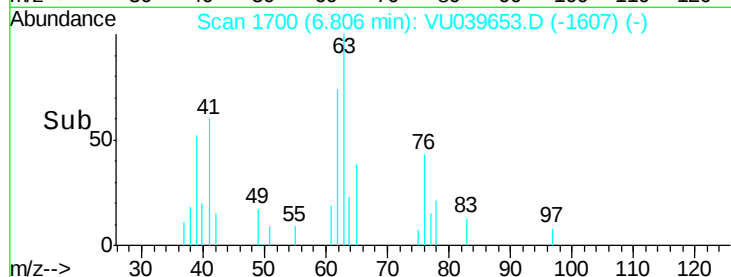
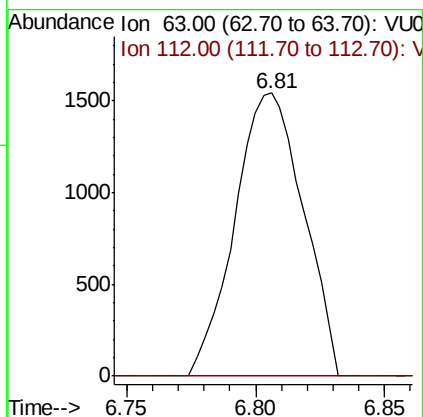
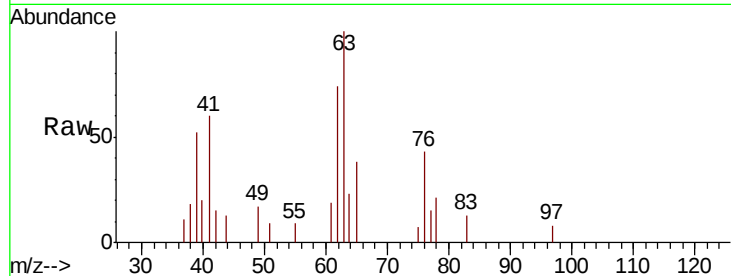




#37
 1,2-Dichloropropane
 Concen: 2.141 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

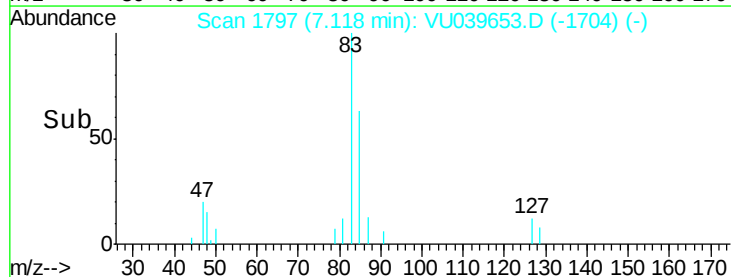
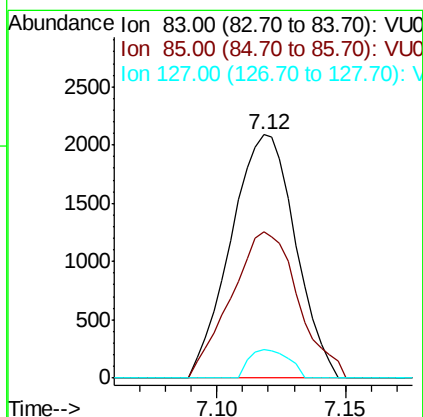
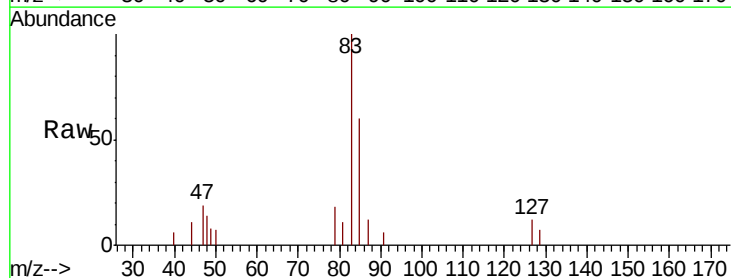
Instrument :
 MSVOA_U
 ClientSampleId :

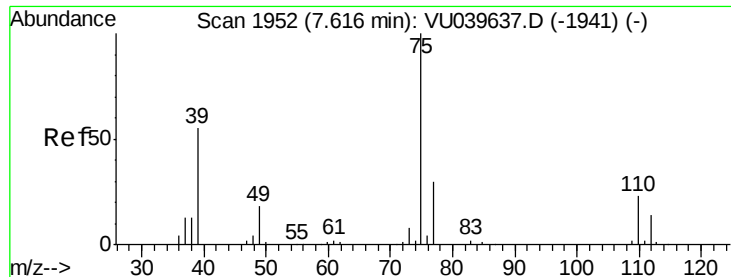
Tot Ion: 63 Resp: 2856
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#38
 Bromodichloromethane
 Concen: 2.057 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

Tgt Ion: 83 Resp: 3643
 Ion Ratio Lower Upper
 83 100
 85 59.9 45.9 85.3
 127 11.7 7.4 11.2#

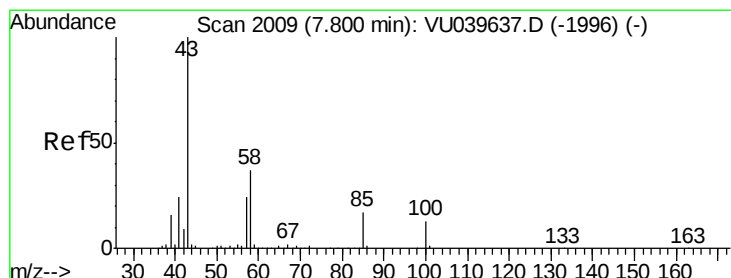
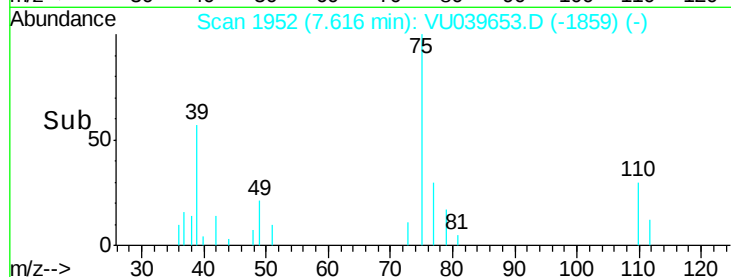
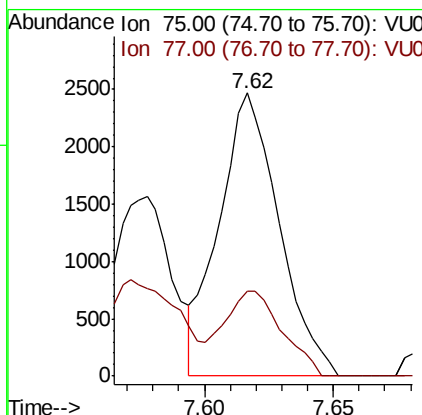
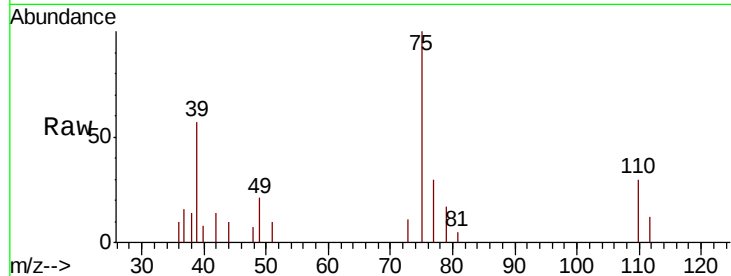




#39
 cis-1,3-Dichloropropene
 Concen: 2.010 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

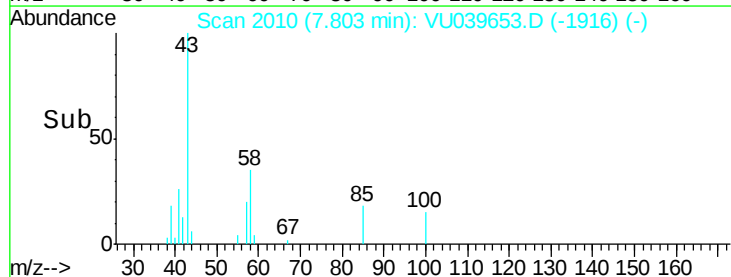
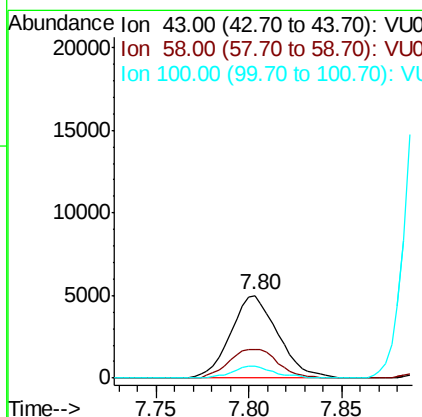
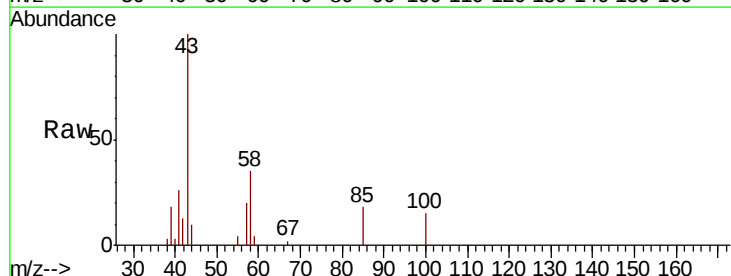
Instrument :
 MSVOA_U
 ClientSampleId :

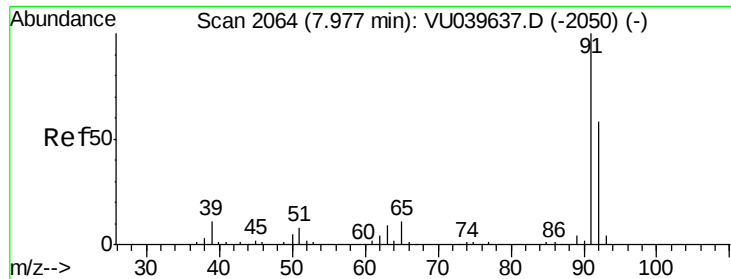
Tot Ion: 75 Resp: 4007
 Ion Ratio Lower Upper
 75 100
 77 29.9 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 3.808 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

Tgt Ion: 43 Resp: 8849
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.1 43.7
 100 12.8 10.6 16.0





#42

Toluene

Concen: 2.100 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

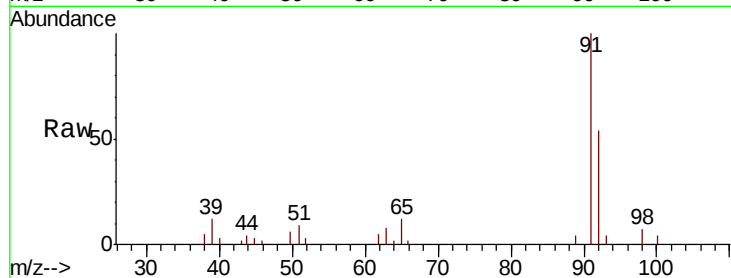
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 11376

Ion Ratio Lower Upper

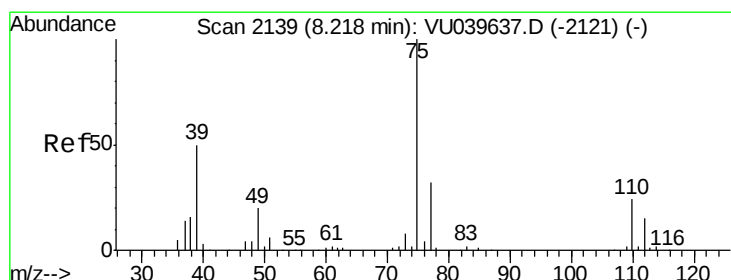
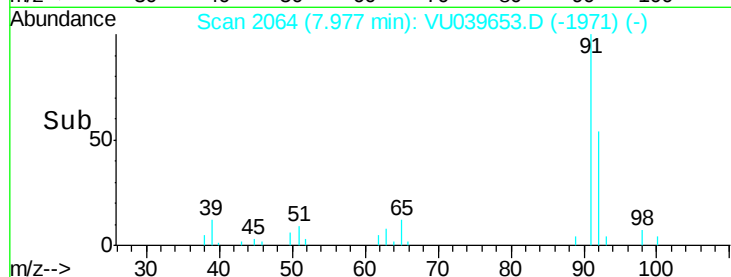
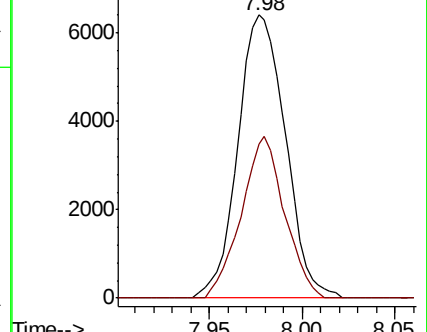
91 100

92 54.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU039637.D (-2050) (-)

Ion 92.00 (91.70 to 92.70): VU039637.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.759 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU039653.D

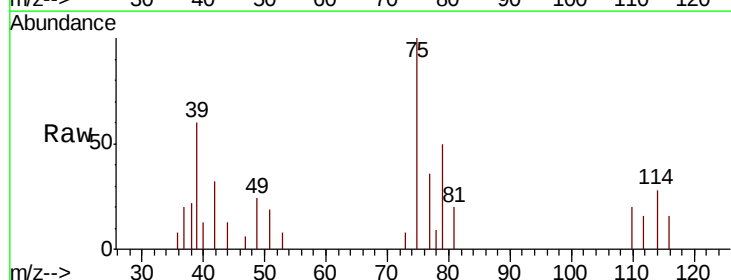
Acq: 23 Jul 2020 21:37

Tgt Ion: 75 Resp: 3434

Ion Ratio Lower Upper

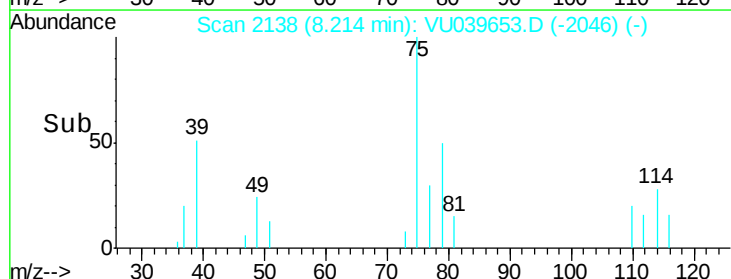
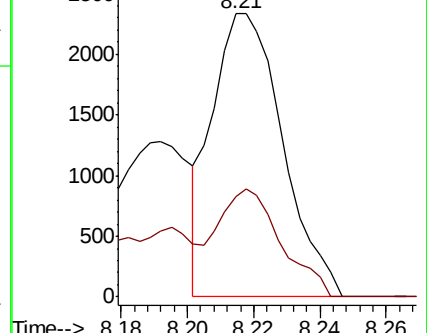
75 100

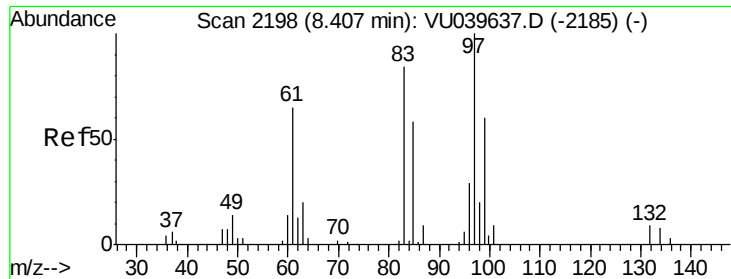
77 35.6 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU039637.D (-2121) (-)

Ion 77.00 (76.70 to 77.70): VU039637.D (-2121) (-)

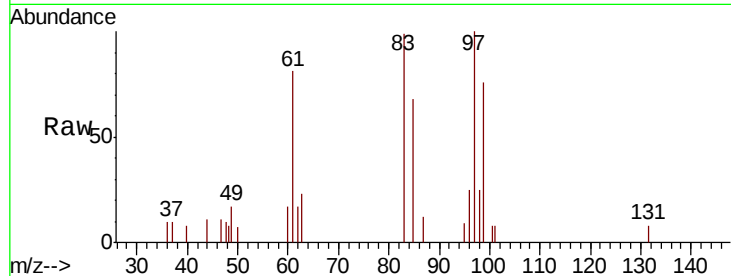




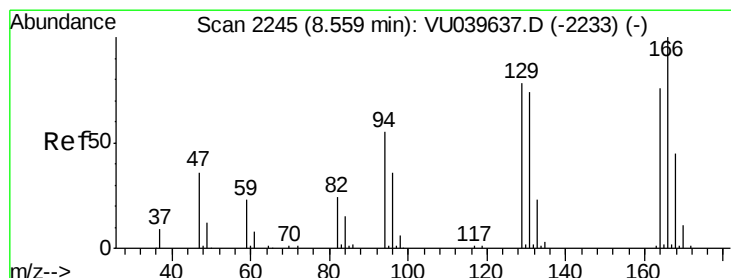
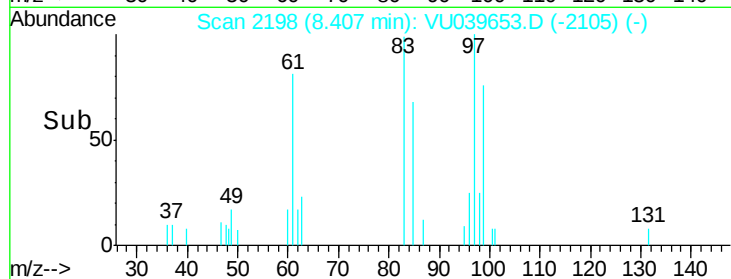
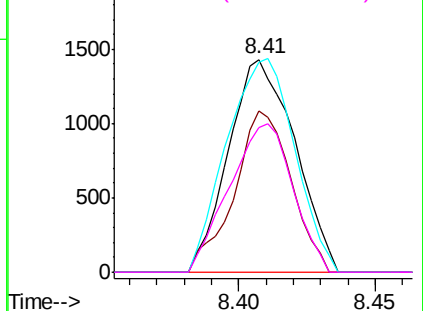
#45
 1,1,2-Trichloroethane
 Concen: 1.906 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	2425
Ion	Ratio	Lower	Upper
97	100		
99	75.9	45.1	83.9
83	98.9	62.7	116.5
85	68.3	41.0	76.2

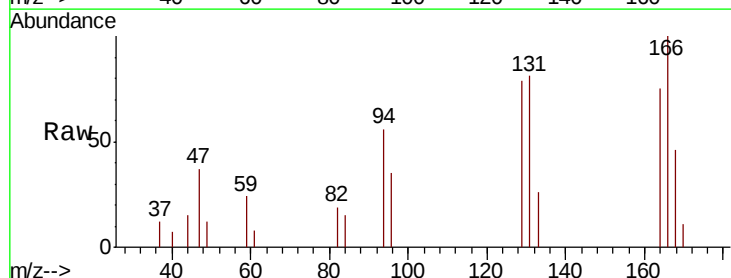


Abundance Ion 97.00 (96.70 to 97.70): VU039653.D (-2185) (-)
 Ion 99.00 (98.70 to 99.70): VU039653.D (-2185) (-)
 Ion 83.00 (82.70 to 83.70): VU039653.D (-2185) (-)
 Ion 85.00 (84.70 to 85.70): VU039653.D (-2185) (-)

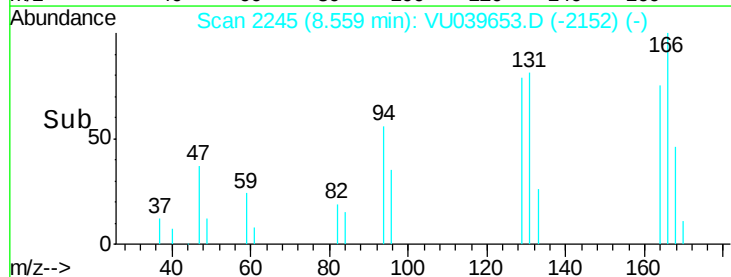
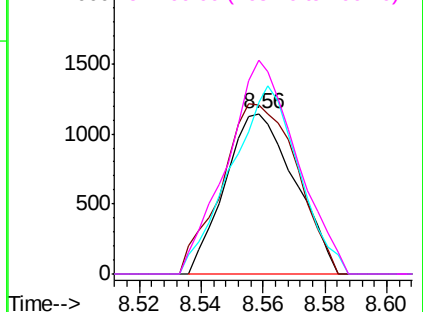


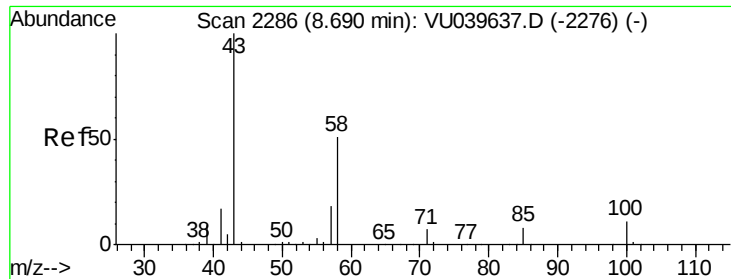
#46
 Tetrachloroethene
 Concen: 1.828 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

Tgt Ion:	164	Resp:	1802
Ion	Ratio	Lower	Upper
164	100		
129	105.6	71.1	132.1
131	107.2	70.3	130.5
166	133.1	87.8	163.0



Abundance Ion 164.00 (163.70 to 164.70): VU039653.D (-2233) (-)
 Ion 129.00 (128.70 to 129.70): VU039653.D (-2233) (-)
 Ion 131.00 (130.70 to 131.70): VU039653.D (-2233) (-)
 Ion 166.00 (165.70 to 166.70): VU039653.D (-2233) (-)

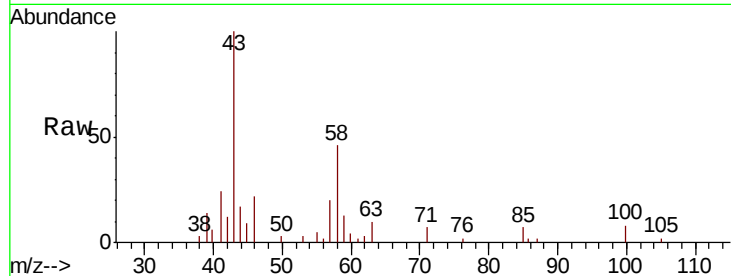




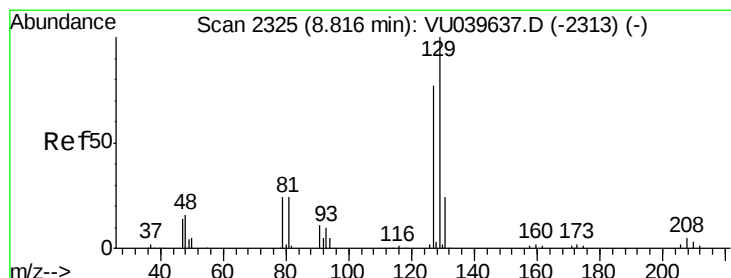
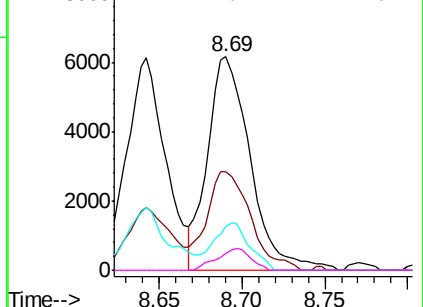
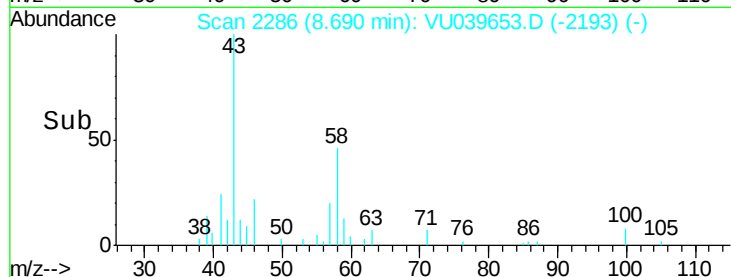
#48
2-Hexanone
Concen: 5.865 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 21:37

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 11105
Ion Ratio Lower Upper
43 100
58 46.9 40.6 61.0
57 18.2 14.5 21.7
100 8.1 8.0 12.0

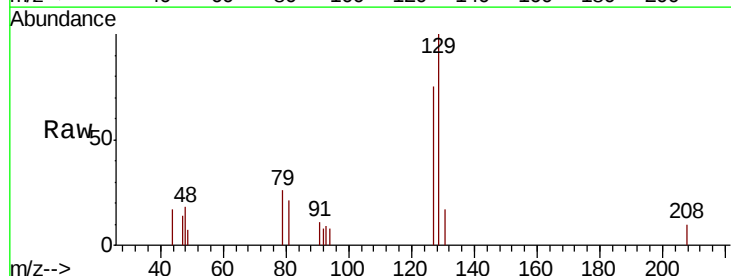


Abundance Ion 43.00 (42.70 to 43.70): VU039653.D (-2193) (-)
Ion 58.00 (57.70 to 58.70): VU039653.D (-2193) (-)
Ion 57.00 (56.70 to 57.70): VU039653.D (-2193) (-)
Ion 100.00 (99.70 to 100.70): VU039653.D (-2193) (-)

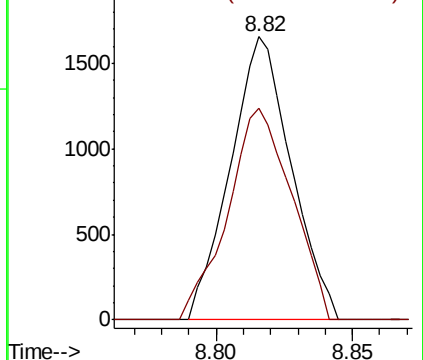
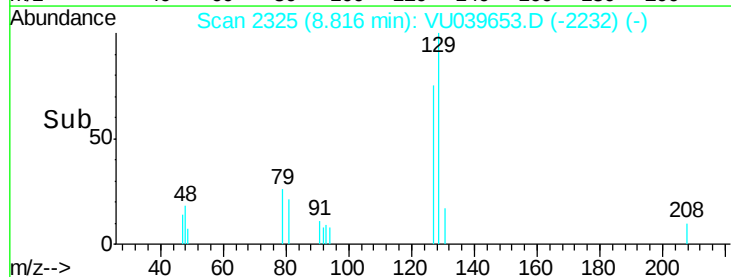


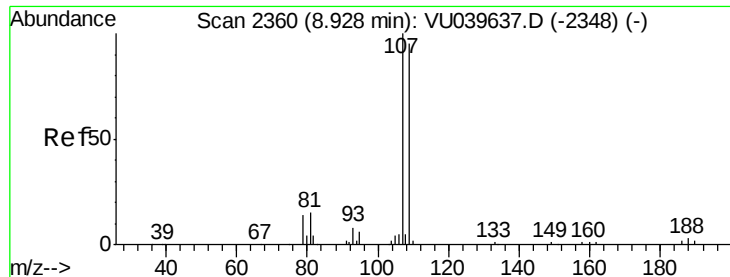
#49
Dibromochloromethane
Concen: 1.782 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 21:37

Tgt Ion: 129 Resp: 2559
Ion Ratio Lower Upper
129 100
127 75.0 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VU039653.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VU039653.D (-2232) (-)

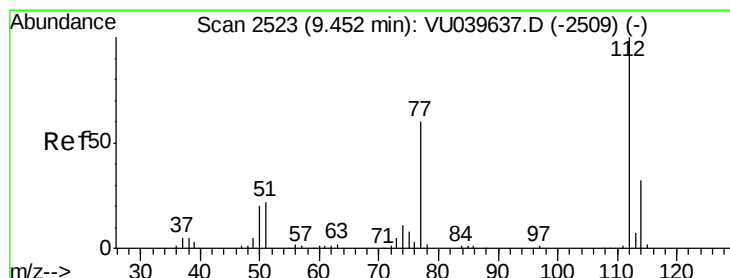
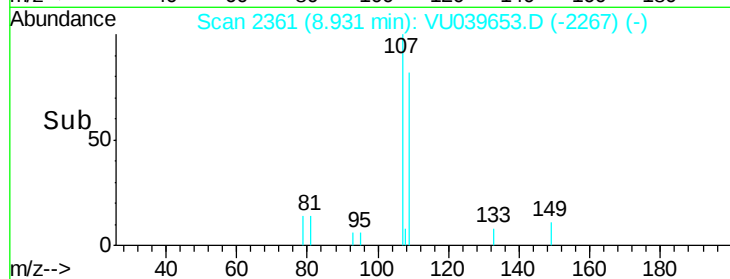
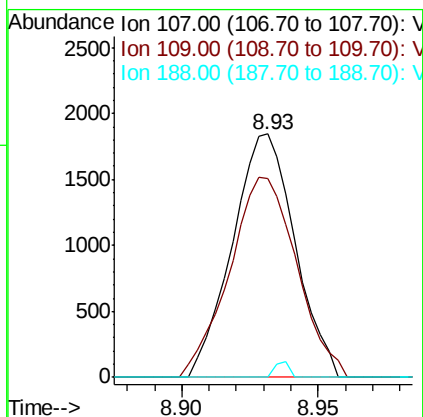
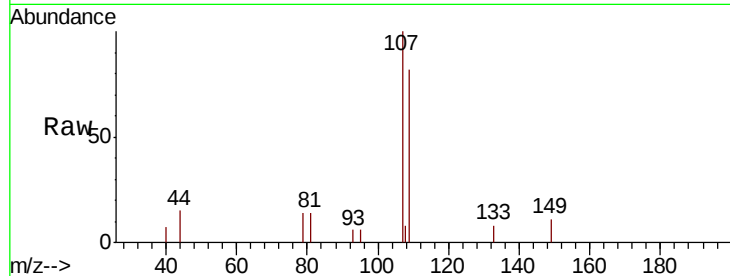




#50
 1,2-Dibromoethane
 Concen: 2.077 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

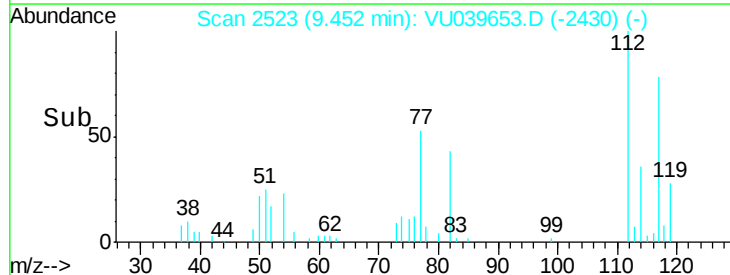
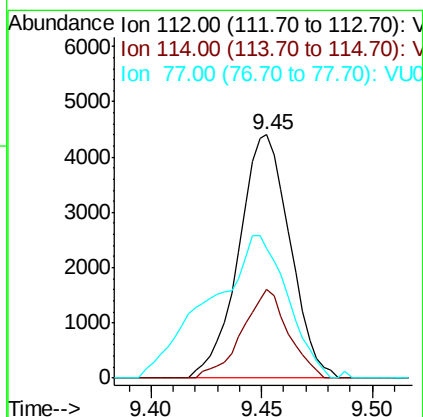
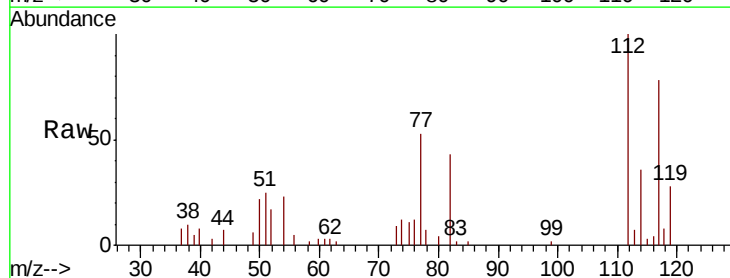
Instrument :
 MSVOA_U
 ClientSampleId :

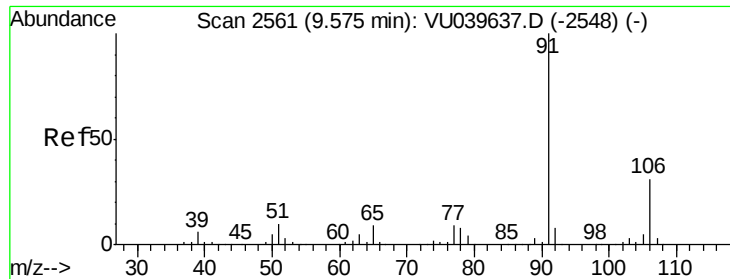
Tot Ion:107 Resp: 2939
 Ion Ratio Lower Upper
 107 100
 109 81.9 66.8 124.2
 188 0.0 3.0 4.4#



#51
 Chlorobenzene
 Concen: 2.049 ug/L
 RT: 9.45 min Scan# 2523
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

Tgt Ion:112 Resp: 7082
 Ion Ratio Lower Upper
 112 100
 114 36.4 22.9 42.5
 77 53.1 49.4 74.0

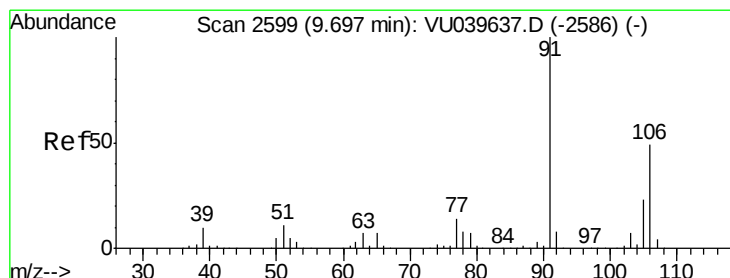
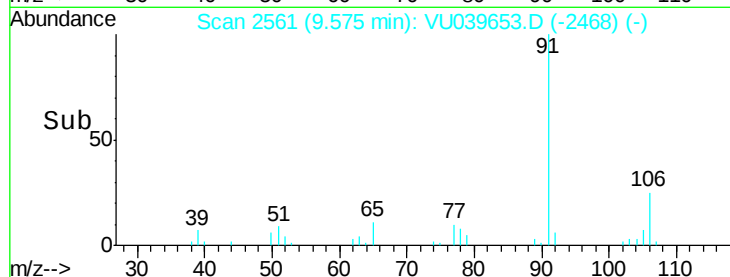
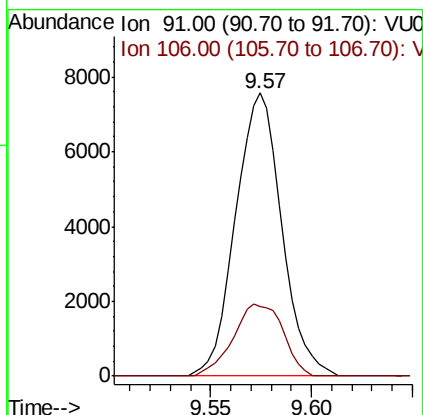
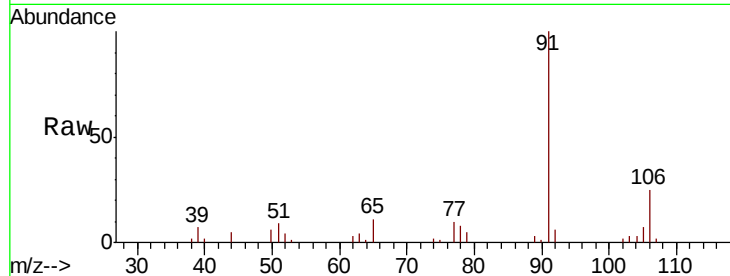




#52
Ethylbenzene
Concen: 2.027 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. -0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 21:37

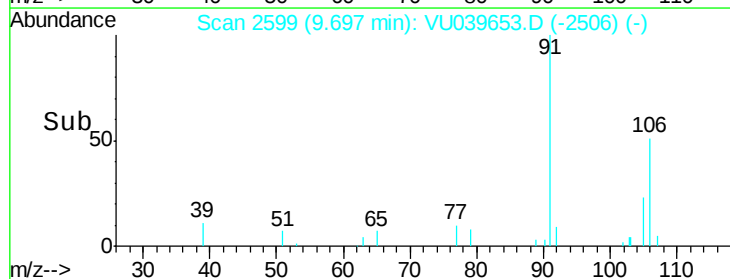
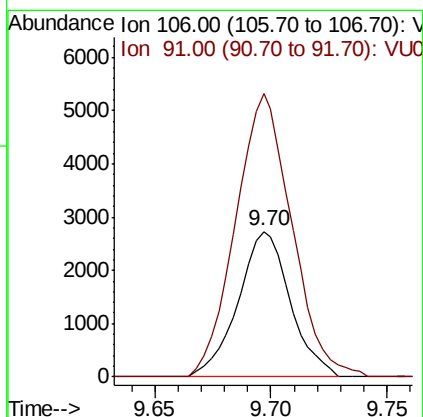
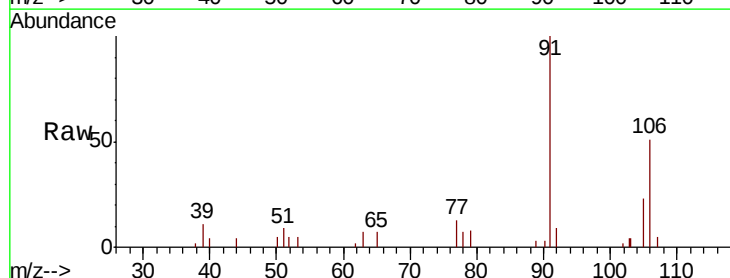
Instrument :
MSVOA_U
ClientSampled :

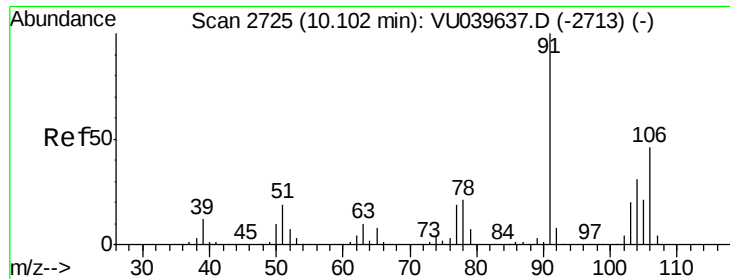
Tot Ion: 91 Resp: 12134
Ion Ratio Lower Upper
91 100
106 24.8 21.1 39.1



#53
m,p-Xylene
Concen: 1.890 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. -0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 21:37

Tgt Ion: 106 Resp: 4266
Ion Ratio Lower Upper
106 100
91 194.4 149.7 277.9

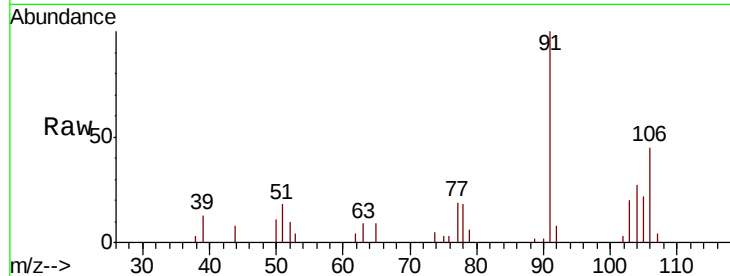




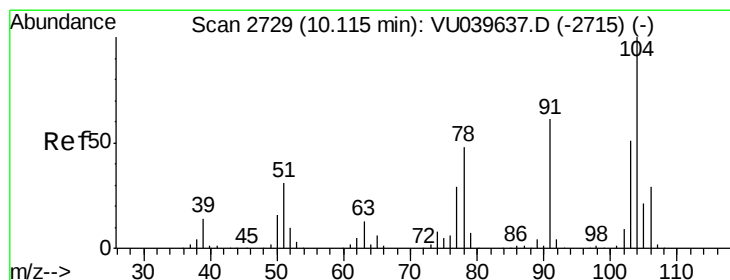
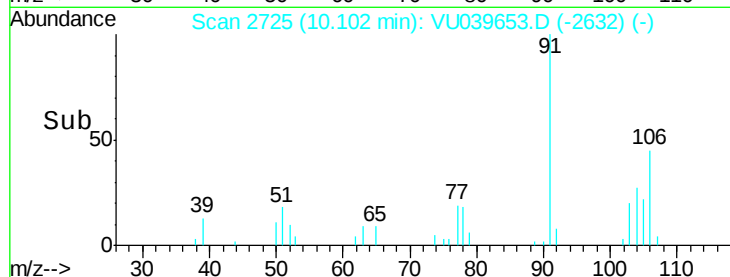
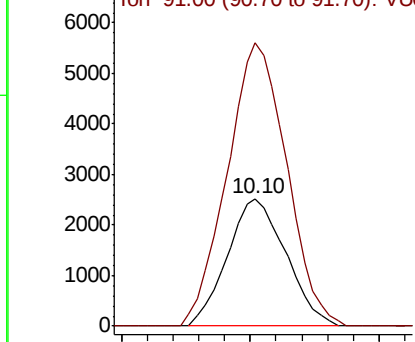
#54
o-xylene
Concen: 1.837 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 21:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 3978
Ion Ratio Lower Upper
106 100
91 222.4 155.1 288.1

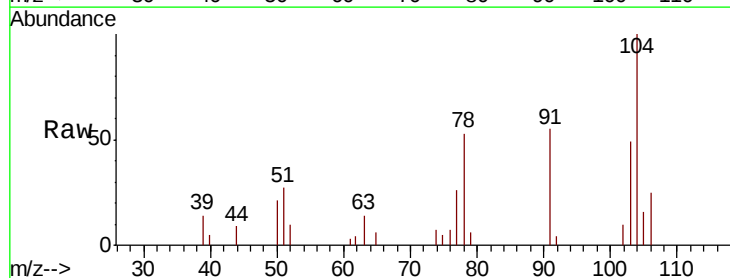


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

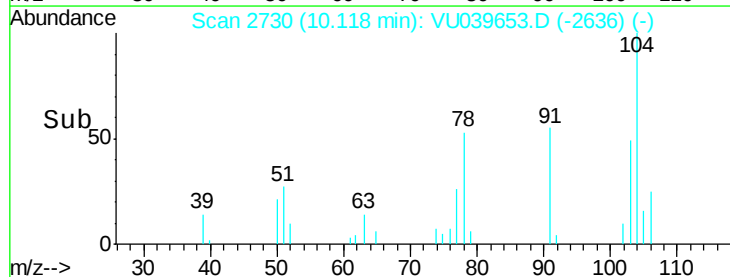
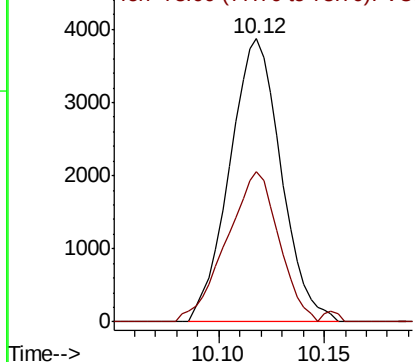


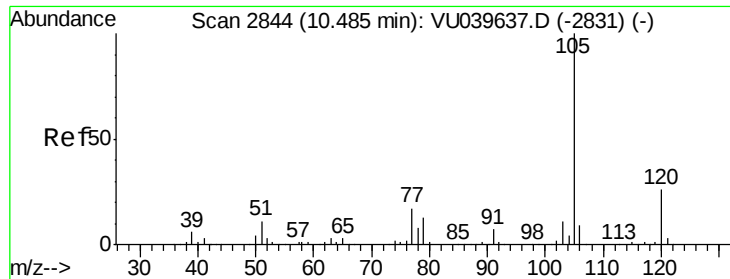
#55
Styrene
Concen: 1.754 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 21:37

Tgt Ion:104 Resp: 6575
Ion Ratio Lower Upper
104 100
78 53.1 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: 1.688 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

ClientSampleId :

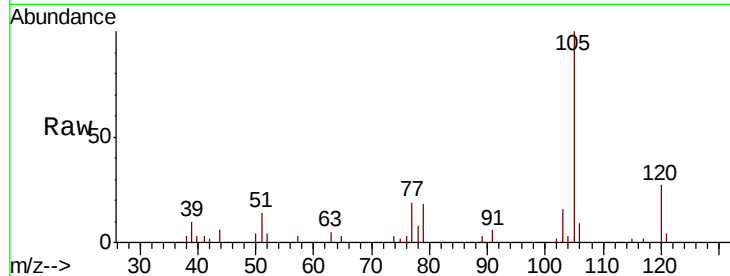
Tot Ion:105 Resp: 9922

Ion Ratio Lower Upper

105 100

120 25.4 20.6 31.0

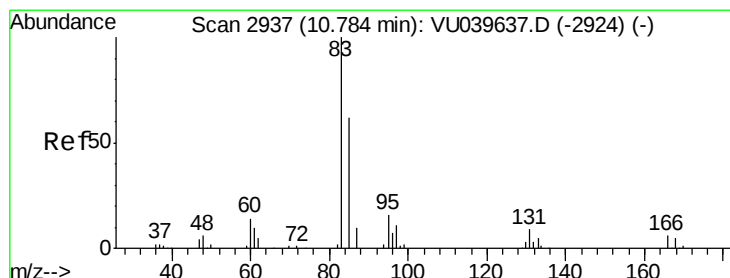
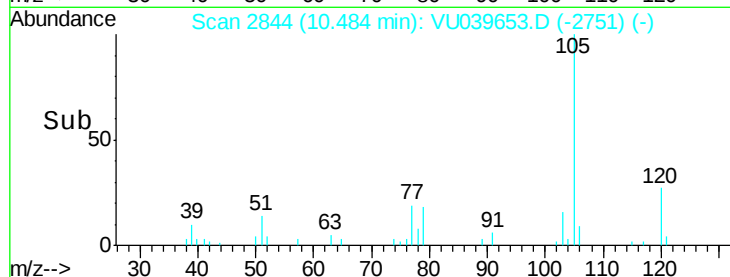
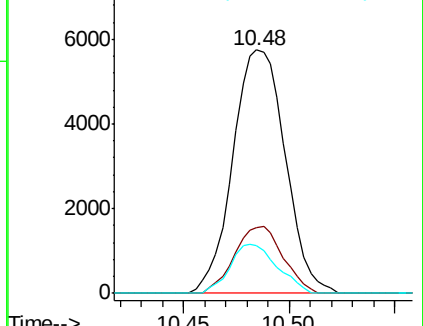
77 18.0 13.4 20.2



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: 2.040 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

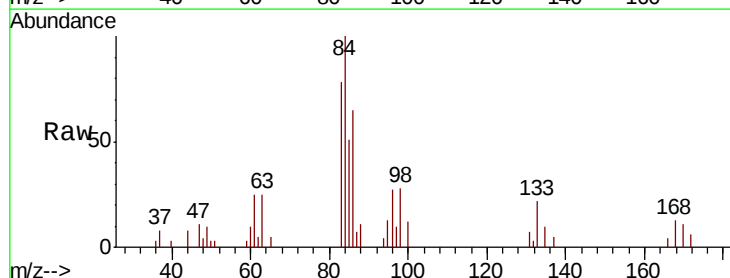
Tgt Ion: 83 Resp: 4730

Ion Ratio Lower Upper

83 100

85 65.8 46.4 86.2

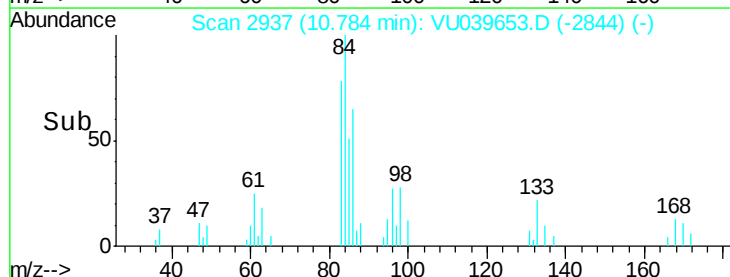
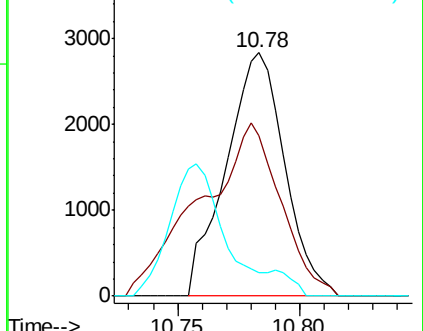
131 9.5 7.8 11.6

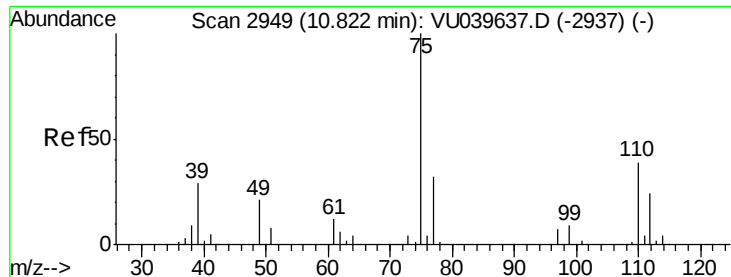


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

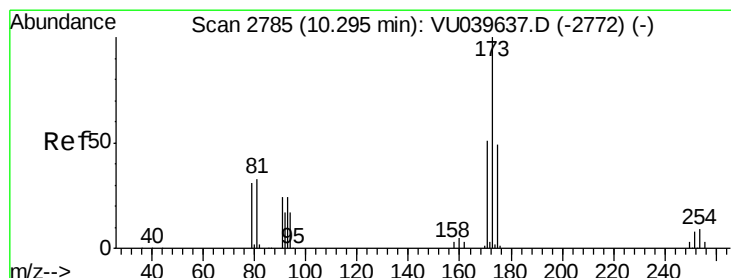
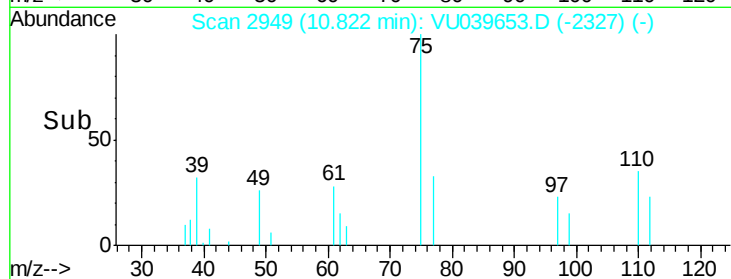
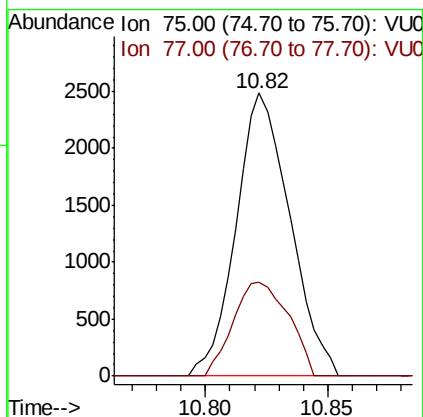
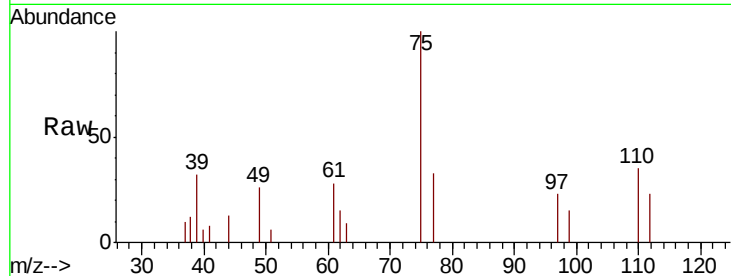




#59
 1,2,3-Trichloropropane
 Concen: 1.970 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

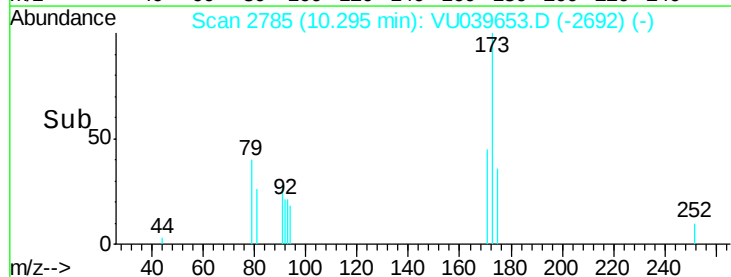
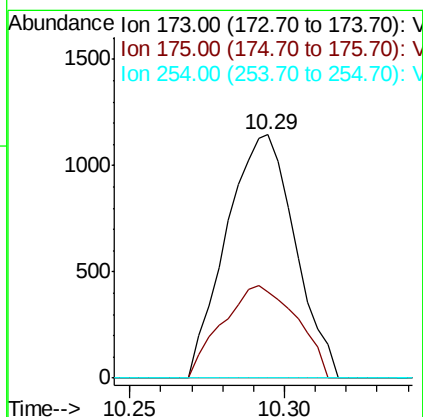
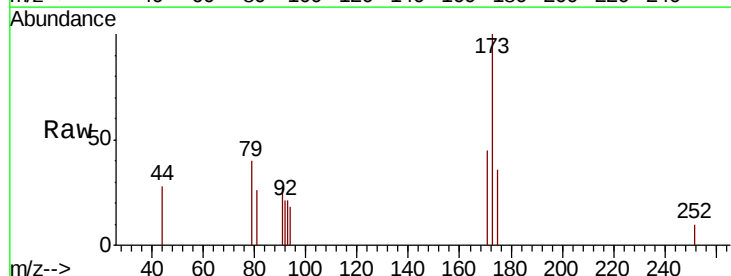
Instrument :
 MSVOA_U
 ClientSampled :

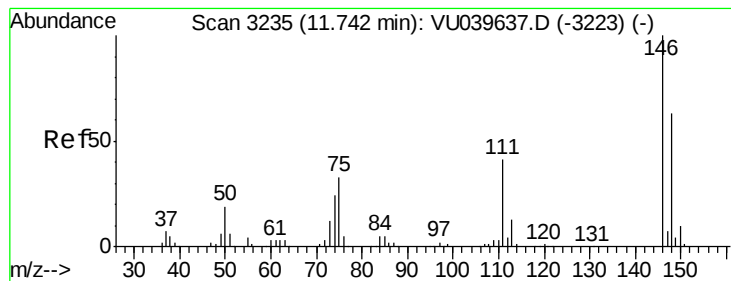
Tot Ion: 75 Resp: 3813
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.4 38.2



#61
 Bromoform
 Concen: 1.802 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

Tgt Ion: 173 Resp: 1765
 Ion Ratio Lower Upper
 173 100
 175 41.1 38.4 57.6
 254 0.0 7.0 10.6#





#62

1,3-Dichlorobenzene

Concen: 1.969 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

ClientSampleId :

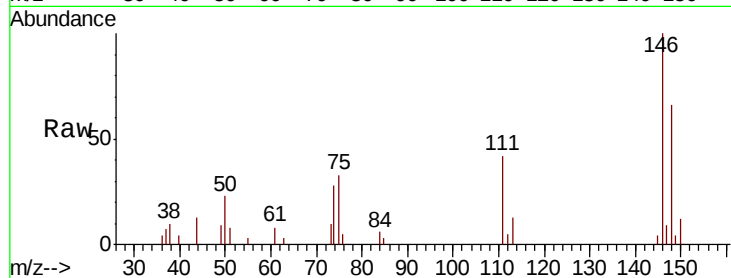
Tot Ion:146 Resp: 4994

Ion Ratio Lower Upper

146 100

111 42.0 29.3 54.3

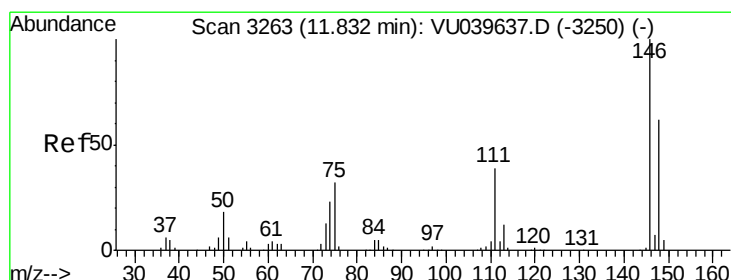
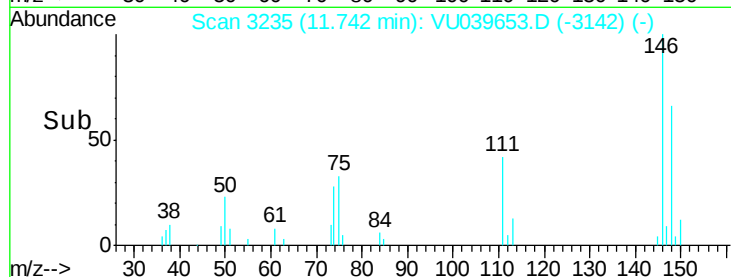
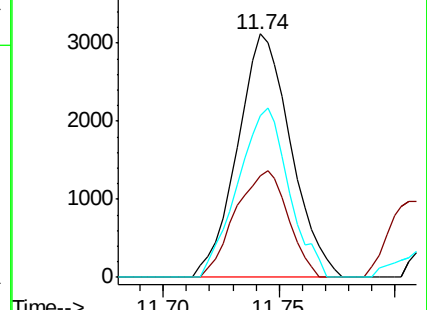
148 66.3 46.1 85.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 2.067 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

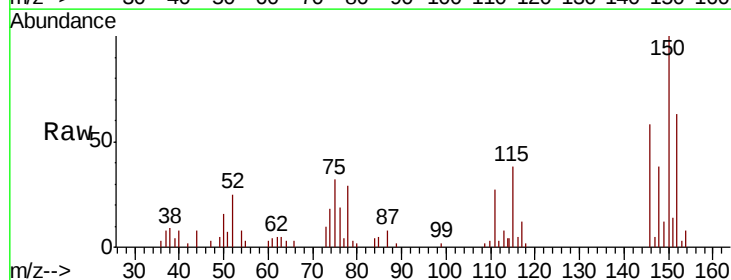
Tgt Ion:146 Resp: 5252

Ion Ratio Lower Upper

146 100

111 46.0 27.8 51.6

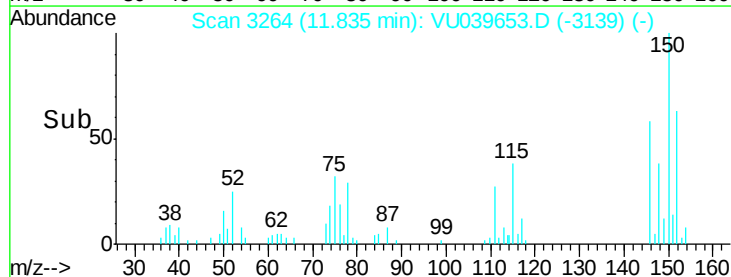
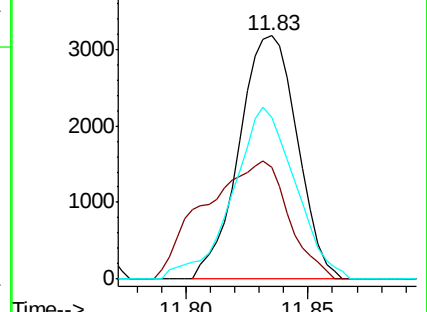
148 66.3 44.7 83.1

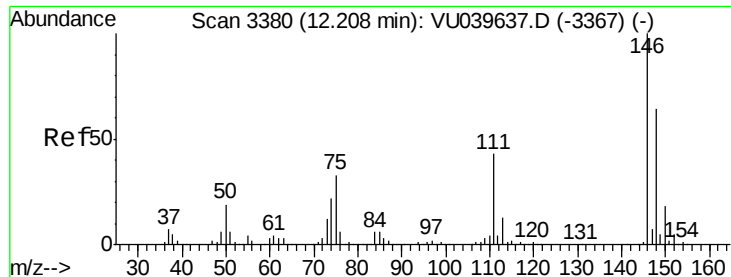


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.152 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

ClientSampleId :

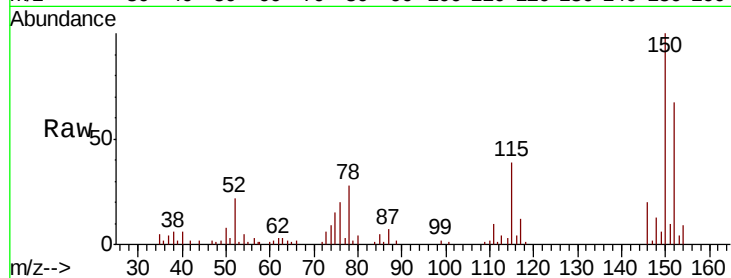
Tot Ion:146 Resp: 5515

Ion Ratio Lower Upper

146 100

111 48.1 34.8 52.2

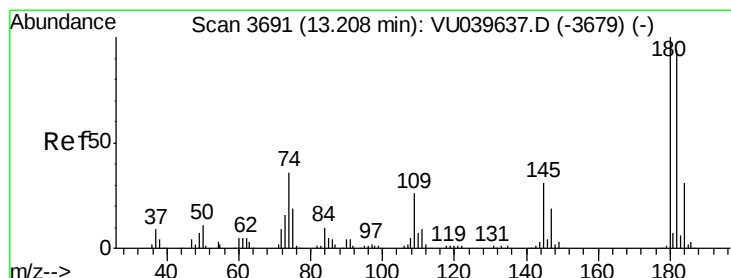
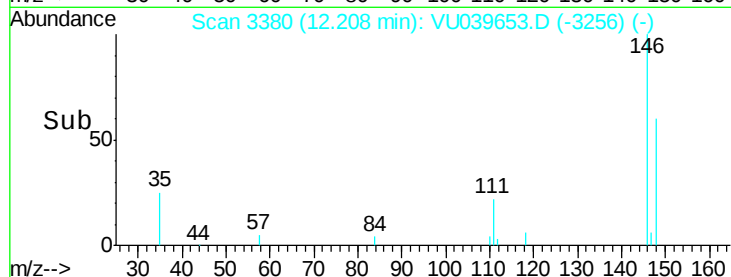
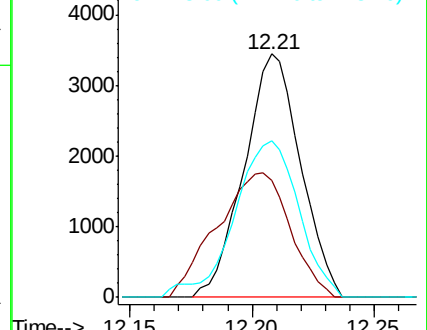
148 64.6 52.5 78.7



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



#67

1,3,5-Trichlorobenzene

Concen: 1.969 ug/L

RT: 13.21 min Scan# 3691

Delta R.T. -0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 21:37

Tgt Ion:180 Resp: 3601

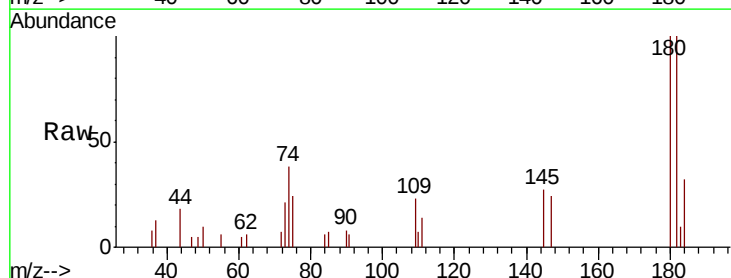
Ion Ratio Lower Upper

180 100

182 101.7 75.7 113.5

184 31.0 24.2 36.2

145 29.0 24.6 36.8

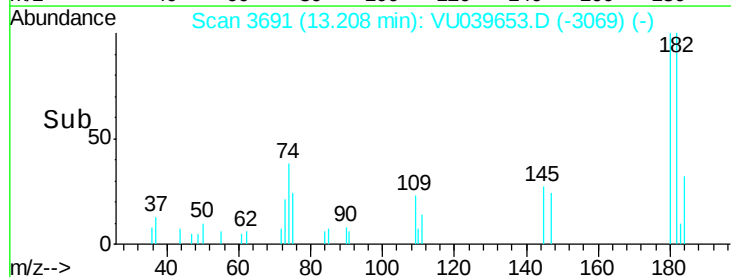
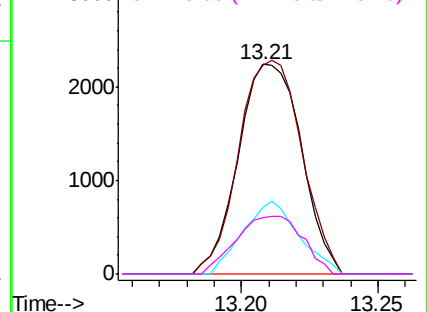


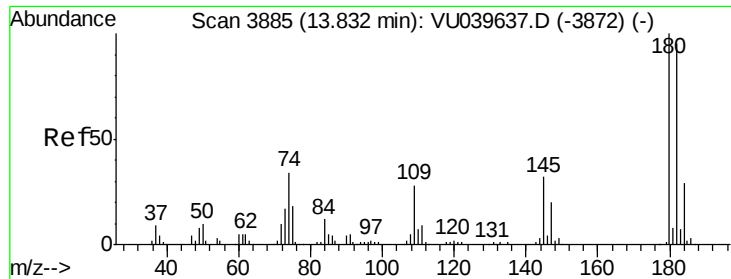
Abundance Ion 180.00 (179.70 to 180.70): V

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

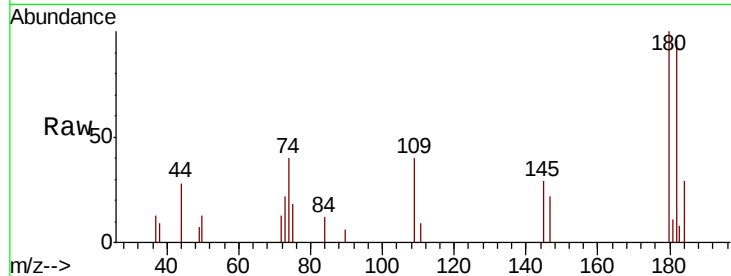




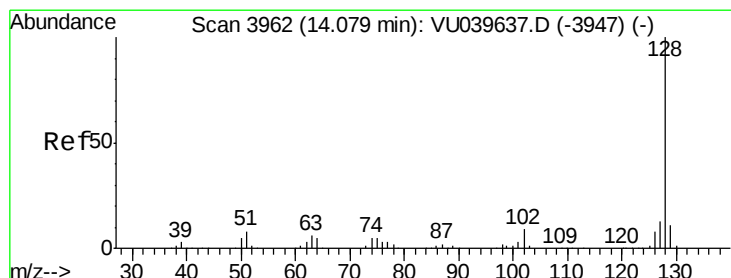
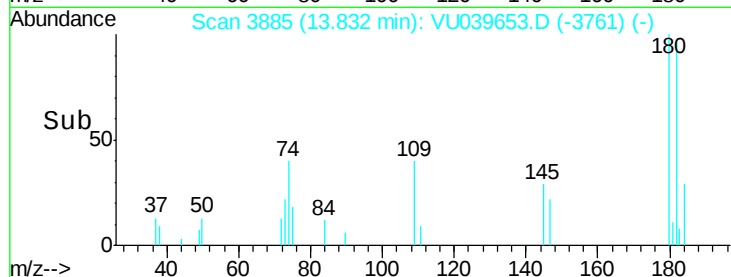
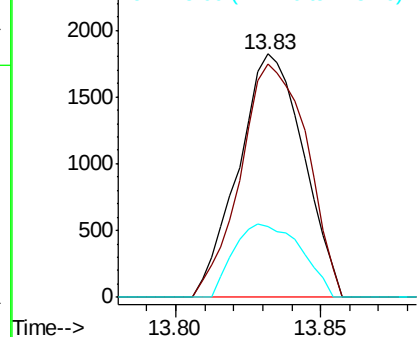
#68
 1,2,4-trichlorobenzene
 Concen: 1.830 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 2841
 Ion Ratio Lower Upper
 180 100
 182 98.1 74.4 111.6
 145 31.0 24.8 37.2

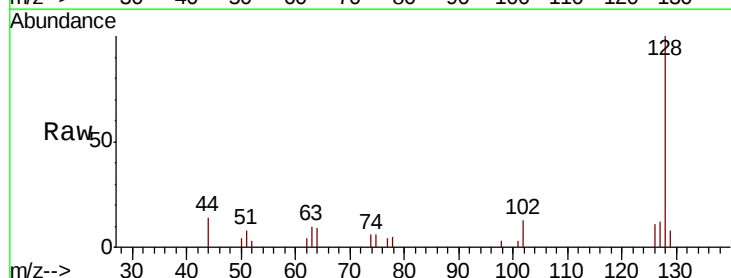


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

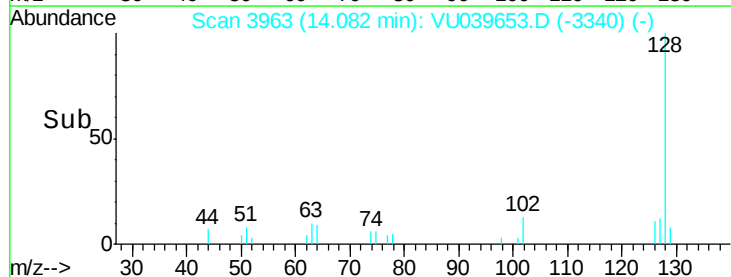
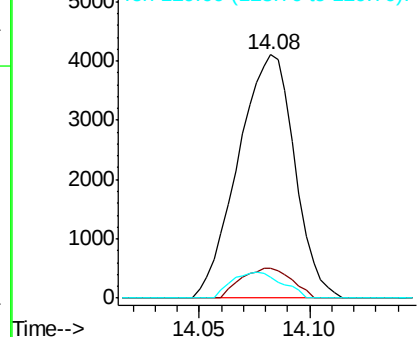


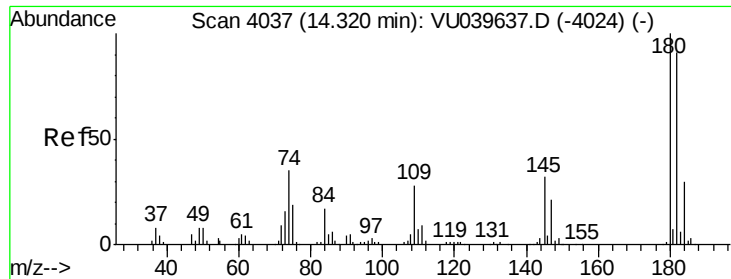
#69
 Naphthalene
 Concen: 1.568 ug/L
 RT: 14.08 min Scan# 3963
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

Tgt Ion:128 Resp: 7300
 Ion Ratio Lower Upper
 128 100
 127 10.9 10.7 16.1
 129 9.5 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

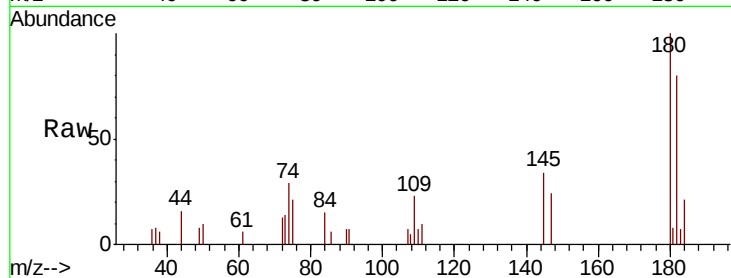




#70
 1,2,3-Trichlorobenzene
 Concen: 1.959 ug/L
 RT: 14.32 min Scan# 4038
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 21:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 3071
 Ion Ratio Lower Upper
 180 100
 182 84.3 76.6 114.8
 145 35.9 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

