

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072320\
 Data File : VU039654.D
 Acq On : 23 Jul 2020 22:22
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 02:09:31 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	203653	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	193813	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	98011	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	59503	44.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.76%
7) Chloroethane-d5	1.92	69	58640	36.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.82%
11) 1,1-Dichloroethene-d2	2.58	63	121660	43.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.70%
21) 2-Butanone-d5	4.64	46	140647	91.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.89%
24) Chloroform-d	5.09	84	141520	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.94%
26) 1,2-Dichloroethane-d4	5.72	65	98506	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.46%
32) Benzene-d6	5.75	84	260472	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.70	67	85031	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.36%
41) Toluene-d8	7.91	98	238519	47.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	8.19	79	42521	47.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.48%
47) 2-Hexanone-d5	8.64	63	94926	98.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.61%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	135946	48.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.28%
64) 1,2-Dichlorobenzene-d4	12.19	152	98902	46.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	59455	42.862	ug/L 98
3) Chloromethane	1.53	50	70849	49.153	ug/L 98
5) Vinyl chloride	1.61	62	69362	47.361	ug/L 99
6) Bromomethane	1.86	94	63682	57.868	ug/L 99
8) Chloroethane	1.94	64	51977	39.907	ug/L 100
9) Trichlorofluoromethane	2.15	101	110437	42.670	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	47575	38.189	ug/L 99
12) 1,1-Dichloroethene	2.59	96	51972	44.736	ug/L 99
13) Acetone	2.64	43	82203	80.701	ug/L 100
14) Carbon disulfide	2.81	76	166961	44.914	ug/L 100
15) Methyl Acetate	2.96	43	92774	50.840	ug/L 100
16) Methylene chloride	3.06	84	70420	50.614	ug/L 93
17) trans-1,2-Dichloroethene	3.37	96	60595	46.873	ug/L 95
18) Methyl tert-butyl Ether	3.38	73	219455	52.532	ug/L 100
19) 1,1-Dichloroethane	3.89	63	125715	49.831	ug/L 96
20) cis-1,2-Dichloroethene	4.69	96	71602	48.465	ug/L 100
22) 2-Butanone	4.73	43	140422	97.820	ug/L 99

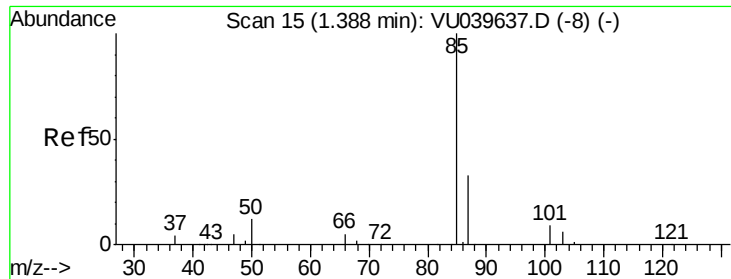
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
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 Acq On : 23 Jul 2020 22:22
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 01:59:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	38352	51.652	ug/L	98
25) Chloroform	5.11	83	137342	49.081	ug/L	100
27) 1,2-Dichloroethane	5.81	62	115417	49.741	ug/L	98
29) Cyclohexane	5.41	56	85780	40.739	ug/L	100
30) 1,1,1-Trichloroethane	5.34	97	111319	47.977	ug/L	96
31) Carbon tetrachloride	5.54	117	91667	47.628	ug/L	99
33) Benzene	5.79	78	276215	51.710	ug/L	100
34) Trichloroethene	6.56	95	70143	49.646	ug/L	98
35) Methylcyclohexane	6.77	83	82454	37.743	ug/L	100
37) 1,2-Dichloropropane	6.81	63	74271	51.357	ug/L	100
38) Bromodichloromethane	7.12	83	101832	53.021	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	111278	51.488	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	267500	106.175	ug/L	99
42) Toluene	7.98	91	284829	48.488	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	110335	52.130	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	73412	53.232	ug/L	98
46) Tetrachloroethene	8.56	164	44864	41.981	ug/L	96
48) 2-Hexanone	8.69	43	213682	104.088	ug/L	99
49) Dibromochloromethane	8.82	129	80780	51.877	ug/L	99
50) 1,2-Dibromoethane	8.93	107	81129	52.876	ug/L	97
51) Chlorobenzene	9.45	112	177820	47.441	ug/L	100
52) Ethylbenzene	9.57	91	299693	46.168	ug/L	99
53) m,p-Xylene	9.70	106	111462	45.552	ug/L	99
54) o-xylene	10.10	106	117847	50.186	ug/L	99
55) Styrene	10.12	104	202954	49.945	ug/L	99
56) Isopropylbenzene	10.48	105	286407	44.928	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	128191	50.997	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	106645	50.822	ug/L	98
61) Bromoform	10.29	173	60696	52.353	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	140768	46.887	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	141583	47.073	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	148844	49.062	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	32842	54.114	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	99091	45.767	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	92742	50.474	ug/L	99
69) Naphthalene	14.08	128	317401	57.583	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	97097	52.310	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 42.862 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

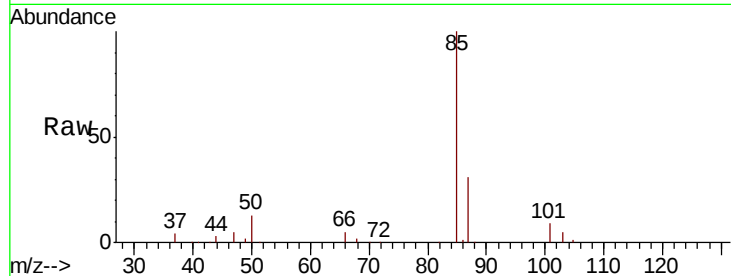
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 59455

Ion Ratio Lower Upper

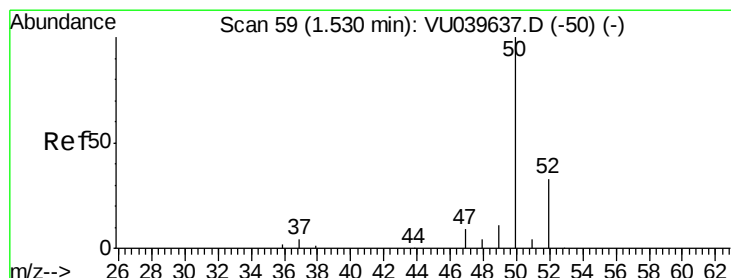
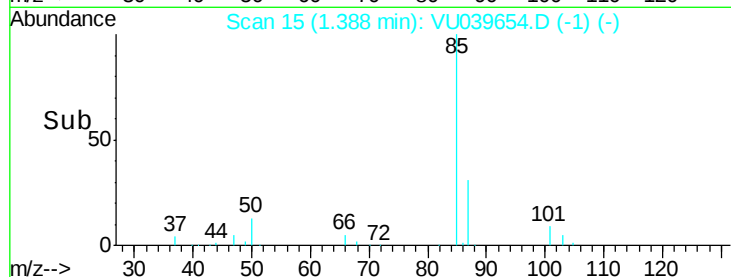
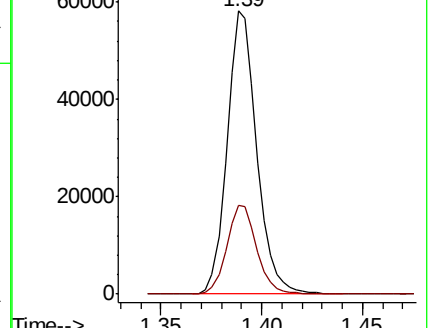
85 100

87 31.5 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) (-)



#3

Chloromethane

Concen: 49.153 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039654.D

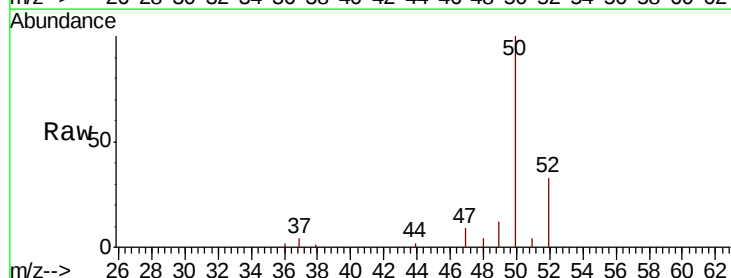
Acq: 23 Jul 2020 22:22

Tgt Ion: 50 Resp: 70849

Ion Ratio Lower Upper

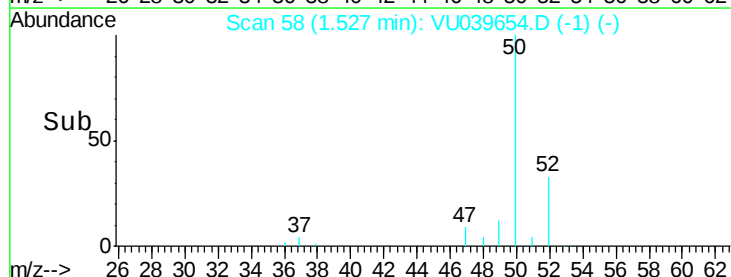
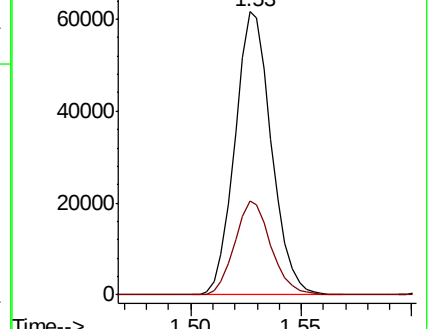
50 100

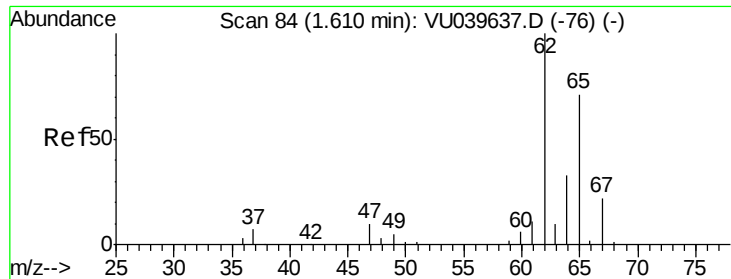
52 33.0 24.0 44.6



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

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





#5

Vinyl chloride

Concen: 47.361 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

Instrument :

MSVOA_U

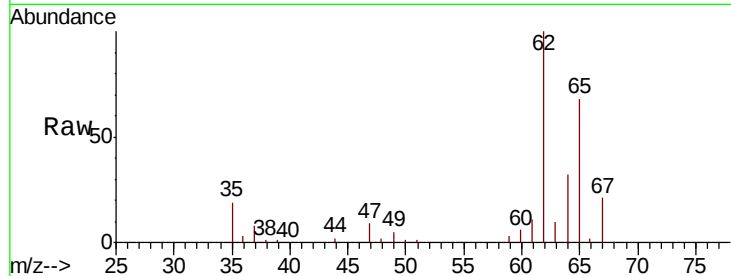
ClientSampled :

Tot Ion: 62 Resp: 69362

Ion Ratio Lower Upper

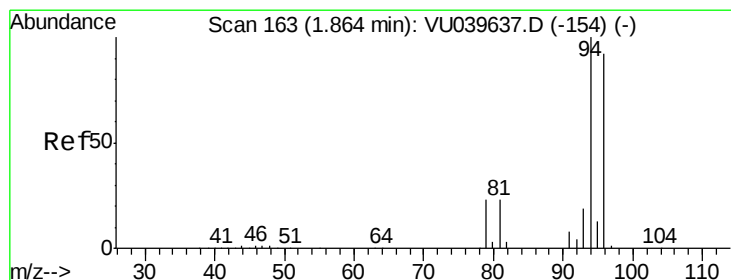
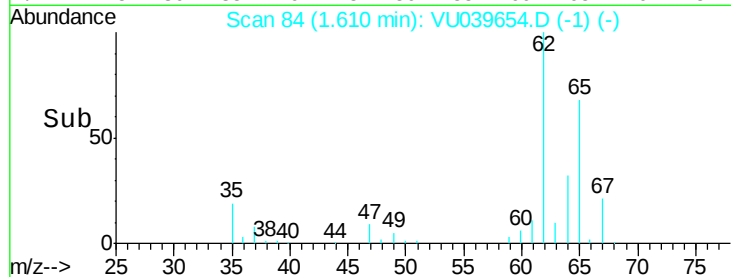
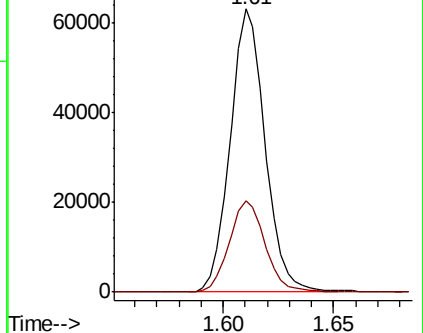
62 100

64 32.1 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU039637.D (-76) (-)

Ion 64.00 (63.70 to 64.70): VU039637.D (-76) (-)



#6

Bromomethane

Concen: 57.868 ug/L

RT: 1.86 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU039654.D

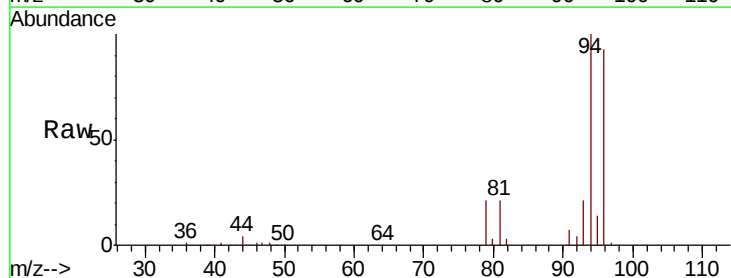
Acq: 23 Jul 2020 22:22

Tgt Ion: 94 Resp: 63682

Ion Ratio Lower Upper

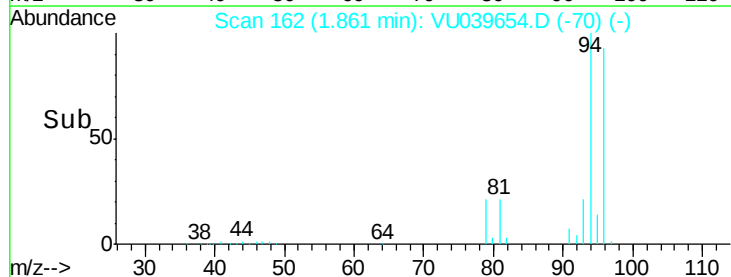
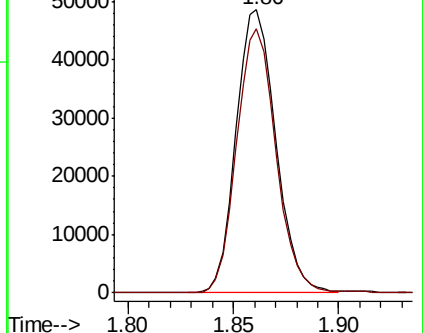
94 100

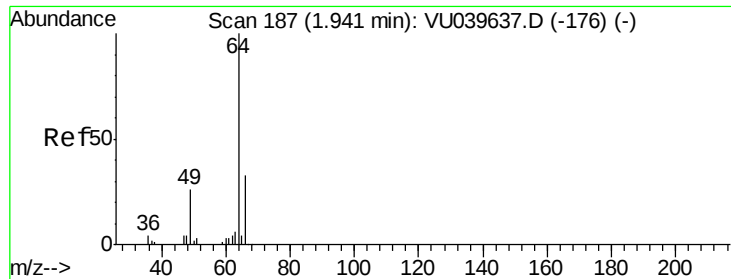
96 93.4 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU039637.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU039637.D (-154) (-)

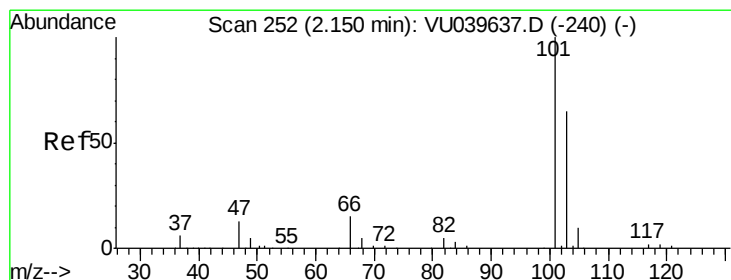
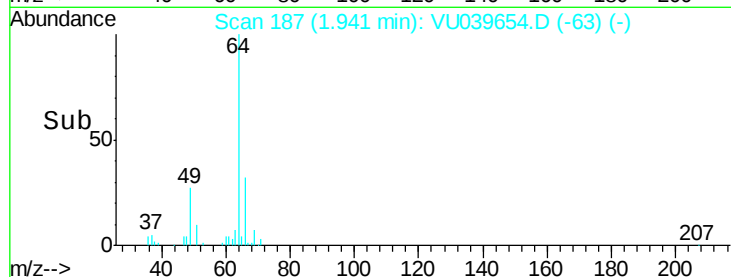
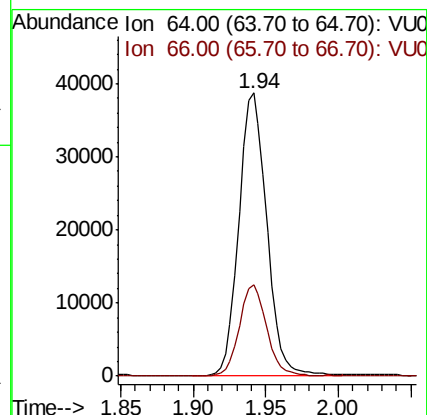
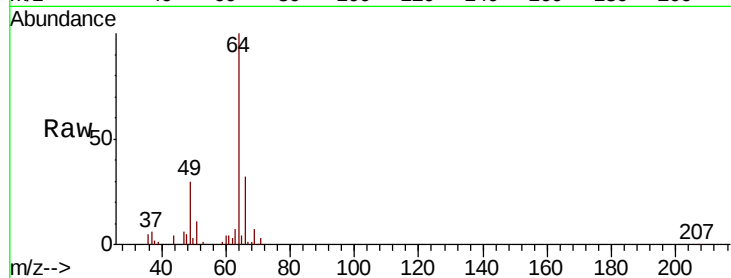




#8
Chloroethane
Concen: 39.907 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU039654.D
Acq: 23 Jul 2020 22:22

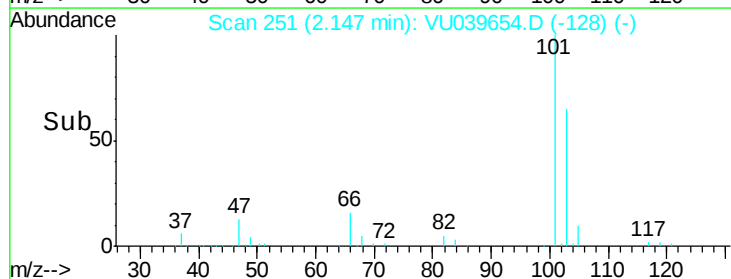
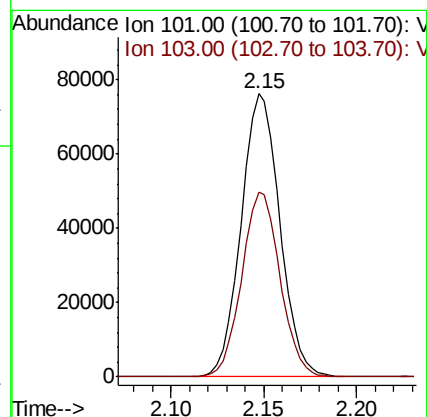
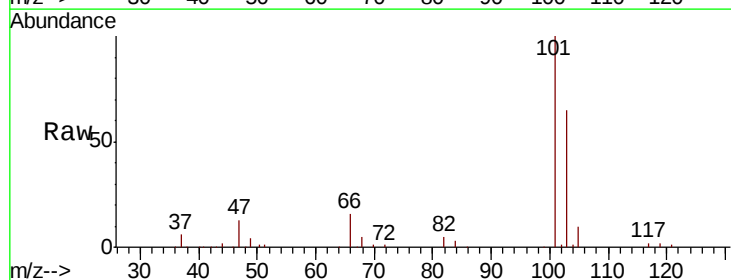
Instrument :
MSVOA_U
ClientSampleId :

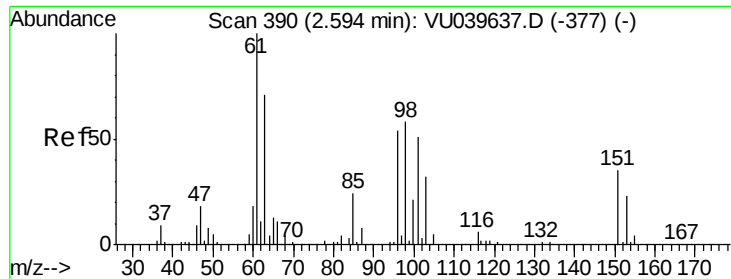
Tot Ion: 64 Resp: 51977
Ion Ratio Lower Upper
64 100
66 32.5 22.7 42.1



#9
Trichlorofluoromethane
Concen: 42.670 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039654.D
Acq: 23 Jul 2020 22:22

Tgt Ion: 101 Resp: 110437
Ion Ratio Lower Upper
101 100
103 64.6 52.8 79.2





#10

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

Concen: 38.189 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

Instrument :

MSVOA_U

ClientSampled :

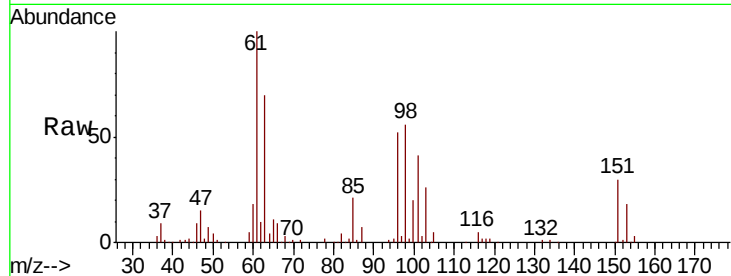
Tot Ion:101 Resp: 47575

Ion Ratio Lower Upper

101 100

85 48.9 39.7 59.5

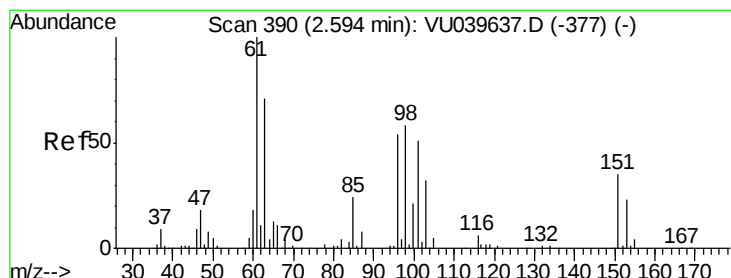
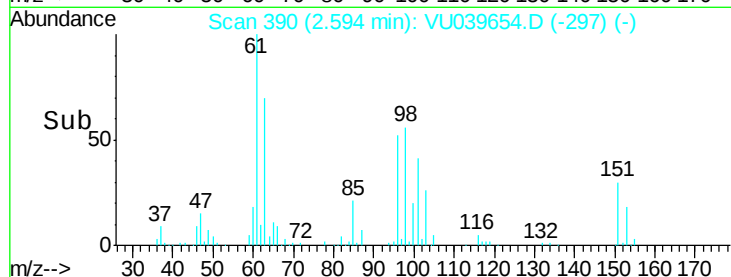
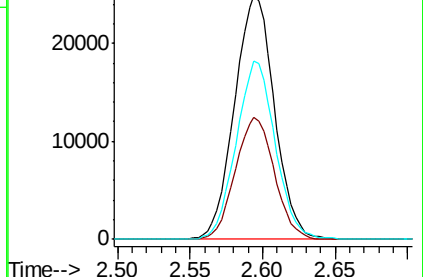
151 71.5 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): VU039637.D (-377) (-)

Ion 85.00 (84.70 to 85.70): VU039637.D (-377) (-)

Ion 151.00 (150.70 to 151.70): VU039637.D (-377) (-)



#12

1,1-Dichloroethene

Concen: 44.736 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

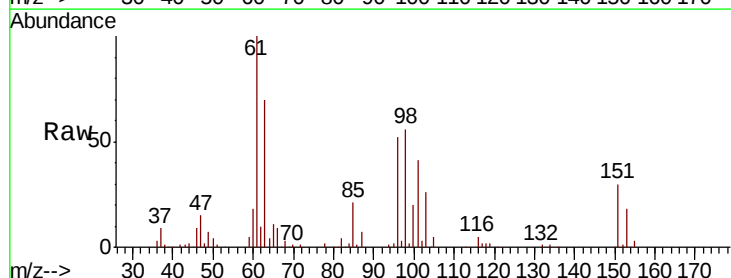
Tgt Ion: 96 Resp: 51972

Ion Ratio Lower Upper

96 100

61 194.1 136.6 253.6

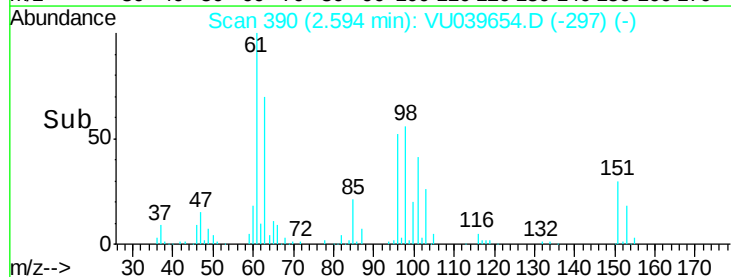
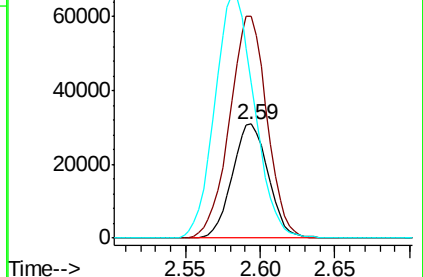
63 136.6 97.2 180.6

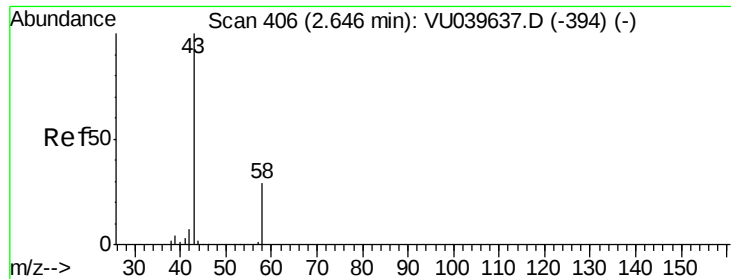


Abundance Ion 96.00 (95.70 to 96.70): VU039637.D (-377) (-)

Ion 61.00 (60.70 to 61.70): VU039637.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VU039637.D (-377) (-)





#13

Acetone

Concen: 80.701 ug/L

RT: 2.64 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

Instrument :

MSVOA_U

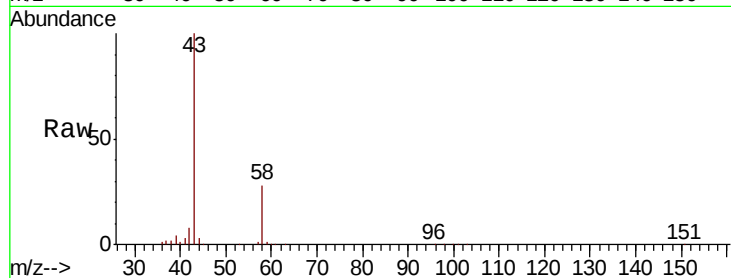
ClientSampleId :

Tot Ion: 43 Resp: 82203

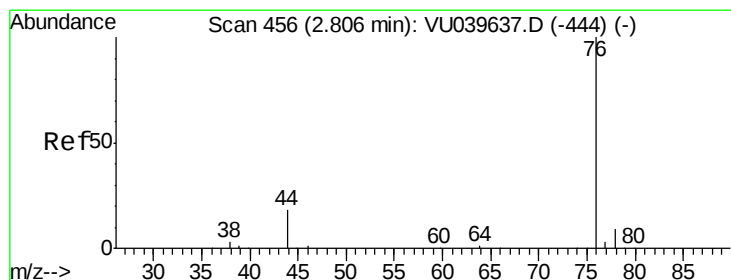
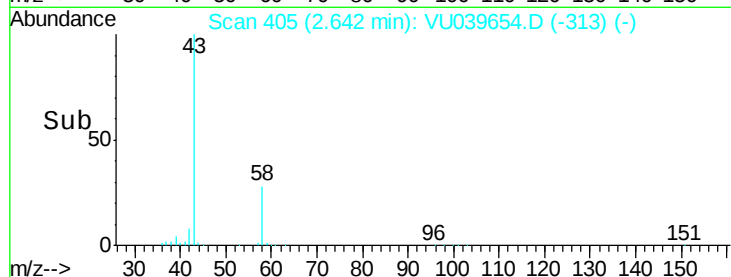
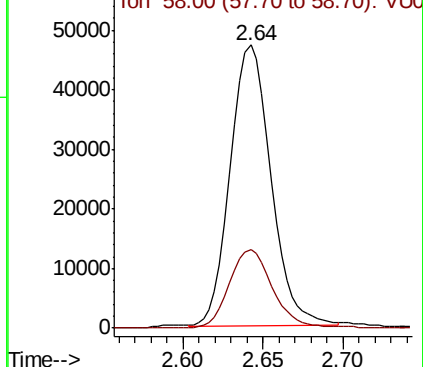
Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU039637.D (-394) (-)



#14

Carbon disulfide

Concen: 44.914 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039654.D

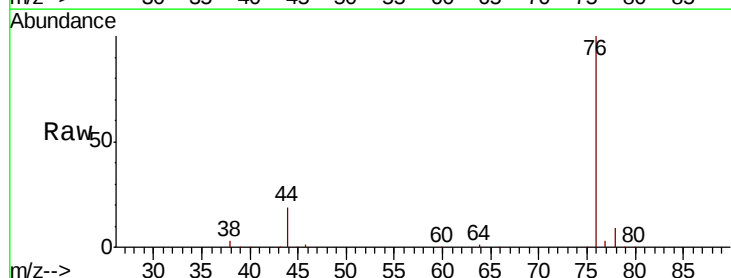
Acq: 23 Jul 2020 22:22

Tgt Ion: 76 Resp: 166961

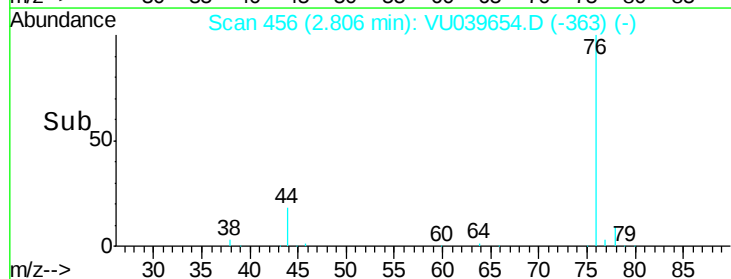
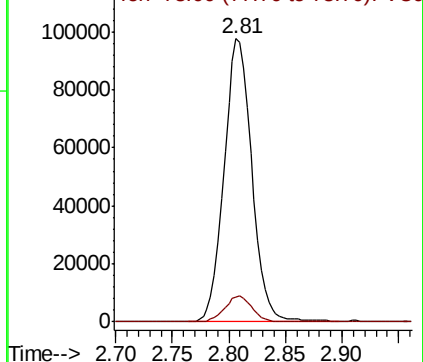
Ion Ratio Lower Upper

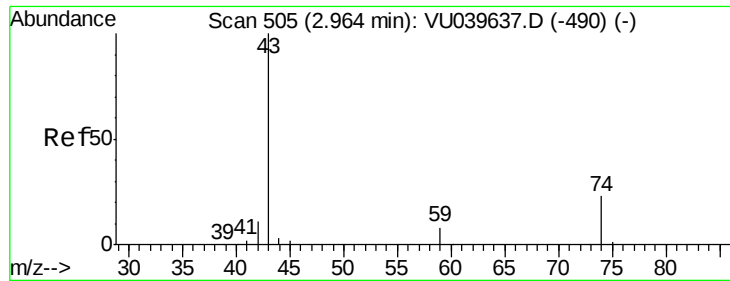
76 100

78 9.0 7.3 10.9



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

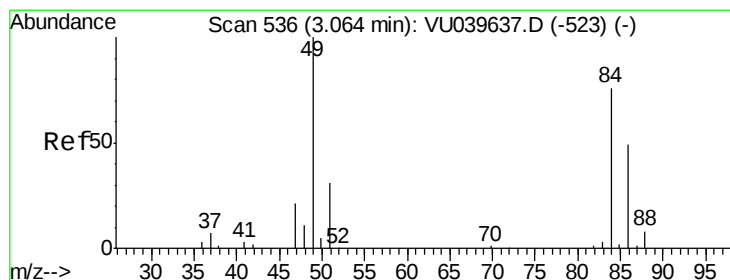
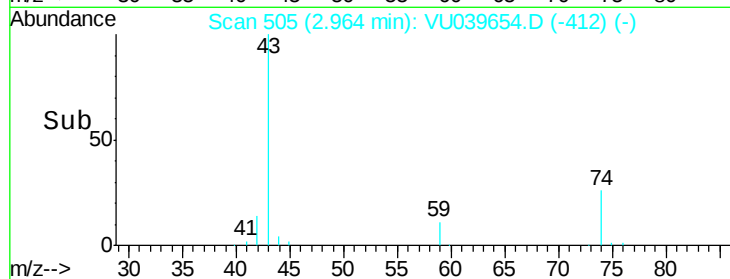
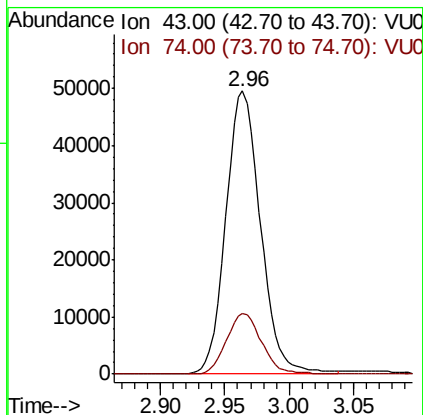
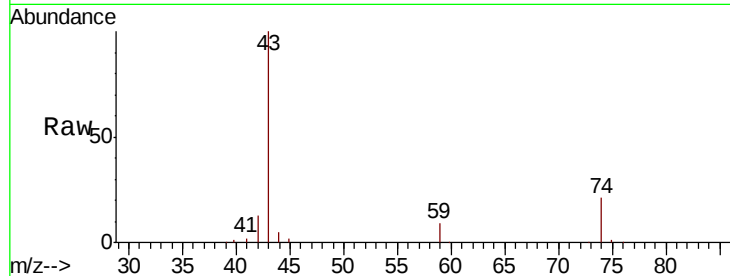




#15
Methvl Acetate
Concen: 50.840 ug/L
RT: 2.96 min Scan# 505
Delta R.T. -0.00 min
Lab File: VU039654.D
Acq: 23 Jul 2020 22:22

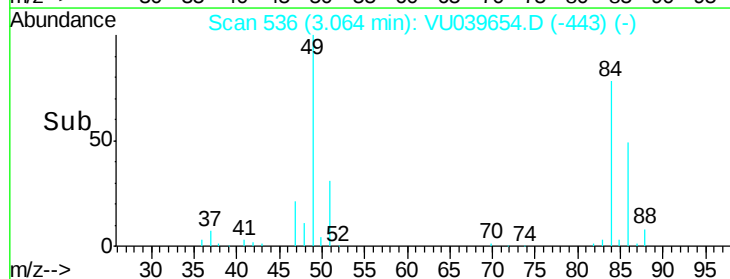
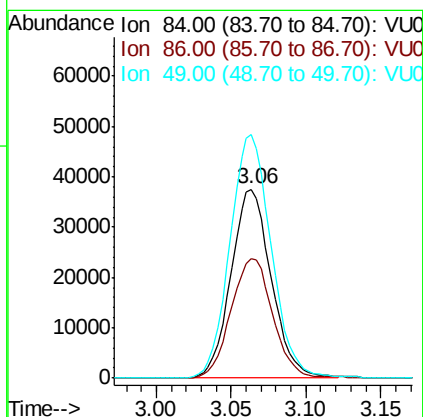
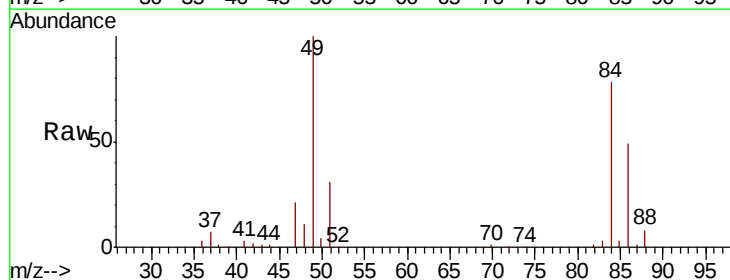
Instrument :
MSVOA_U
ClientSampled :

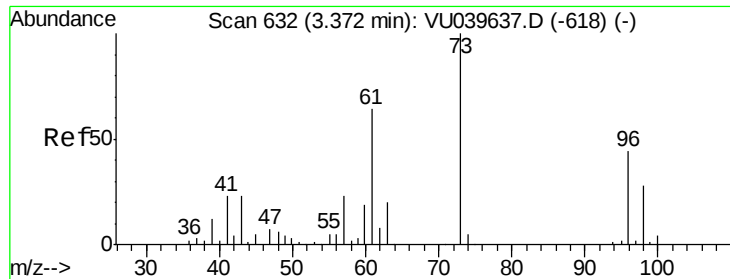
Tot Ion: 43 Resp: 92774
Ion Ratio Lower Upper
43 100
74 21.7 17.4 26.0



#16
Methylene chloride
Concen: 50.614 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU039654.D
Acq: 23 Jul 2020 22:22

Tgt Ion: 84 Resp: 70420
Ion Ratio Lower Upper
84 100
86 63.3 46.2 85.8
49 128.8 97.3 180.7

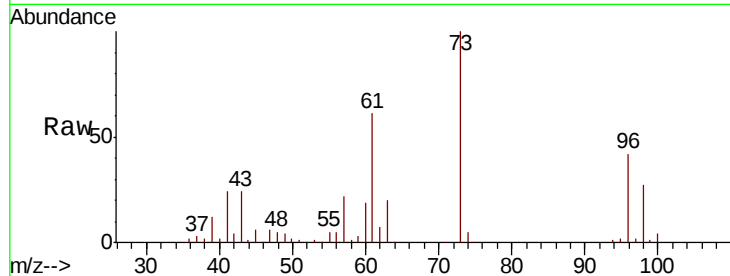




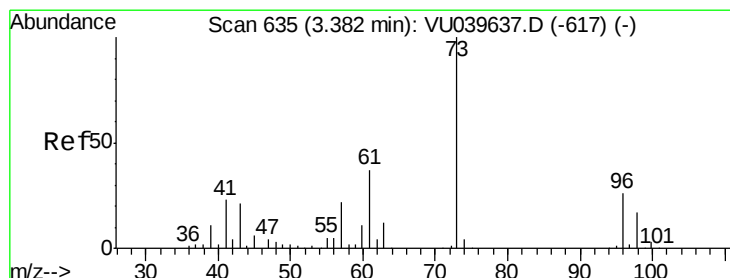
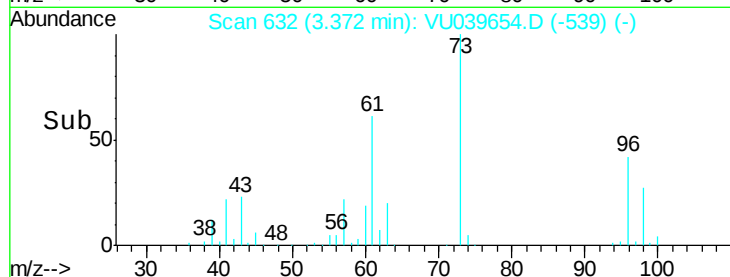
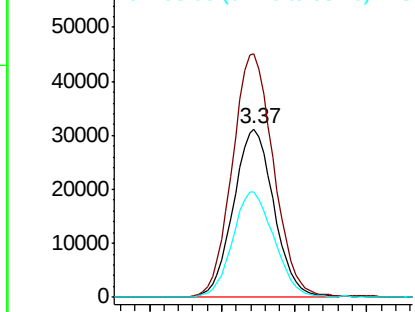
#17
trans-1,2-Dichloroethene
Concen: 46.873 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU039654.D
Acq: 23 Jul 2020 22:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 60595
Ion Ratio Lower Upper
96 100
61 144.5 106.7 198.1
98 62.7 44.3 82.3

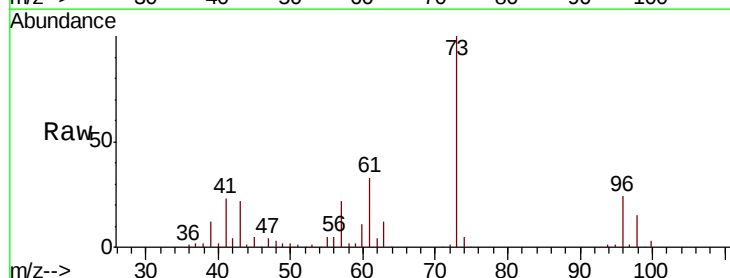


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

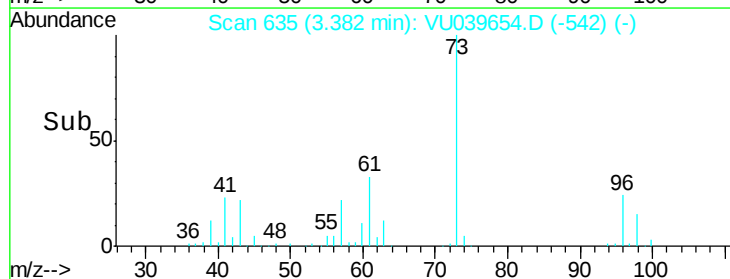
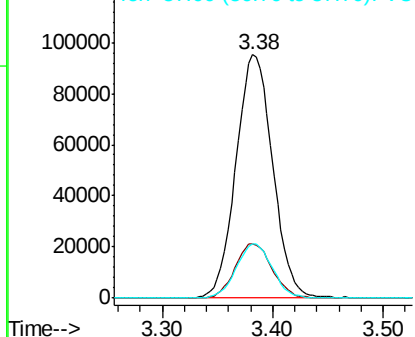


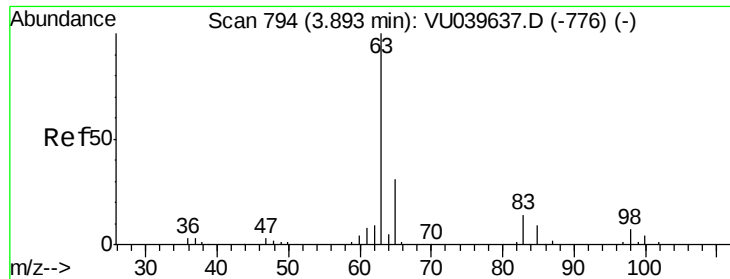
#18
Methyl tert-butyl Ether
Concen: 52.532 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039654.D
Acq: 23 Jul 2020 22:22

Tgt Ion: 73 Resp: 219455
Ion Ratio Lower Upper
73 100
43 22.6 18.2 27.2
57 21.9 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

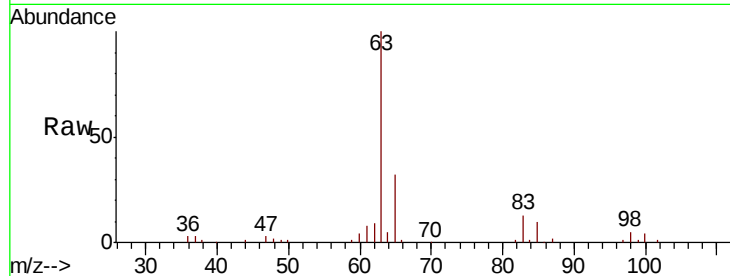




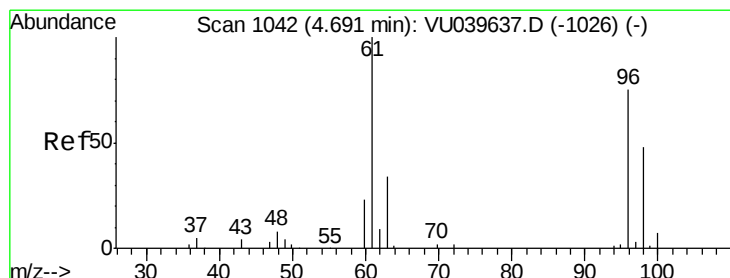
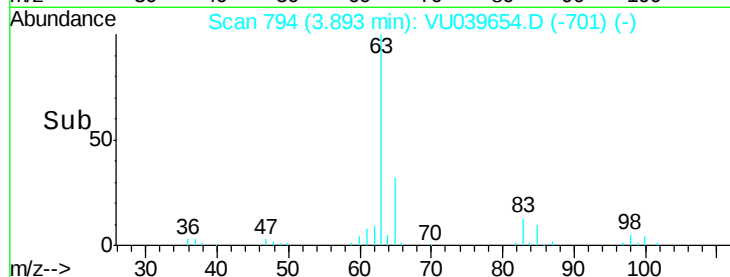
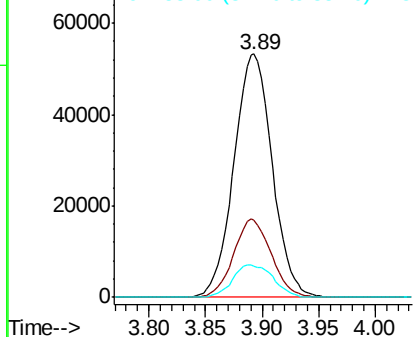
#19
 1,1-Dichloroethane
 Concen: 49.831 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VU039654.D
 Acq: 23 Jul 2020 22:22

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 125715
 Ion Ratio Lower Upper
 63 100
 65 31.9 20.4 38.0
 83 12.8 9.7 18.1

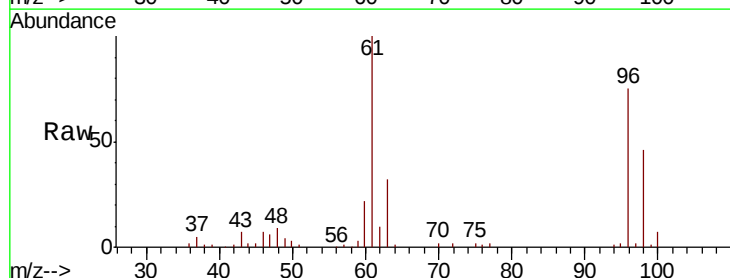


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

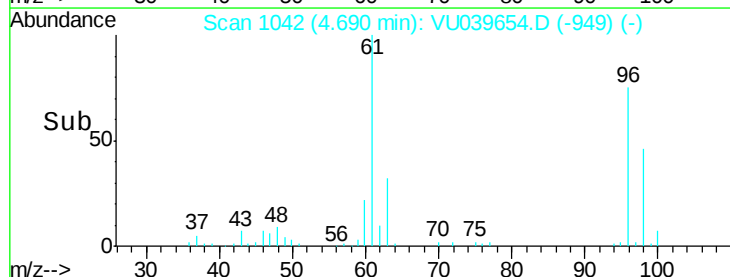
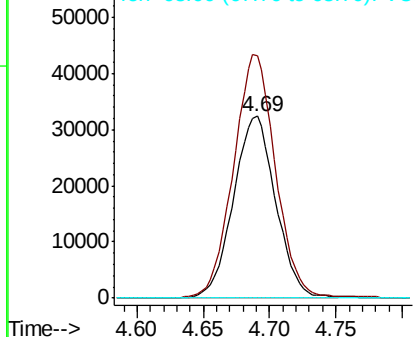


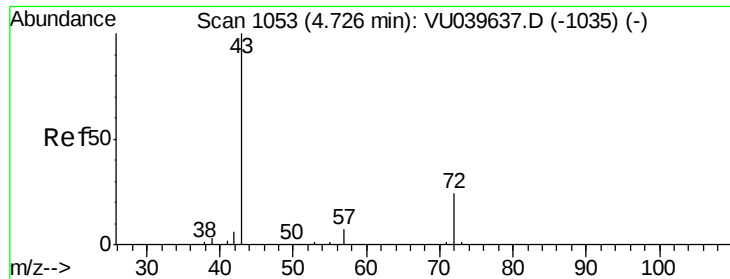
#20
 cis-1,2-Dichloroethene
 Concen: 48.465 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: VU039654.D
 Acq: 23 Jul 2020 22:22

Tgt Ion: 96 Resp: 71602
 Ion Ratio Lower Upper
 96 100
 61 133.7 94.0 174.6
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 97.820 ug/L

RT: 4.73 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

Instrument :

MSVOA_U

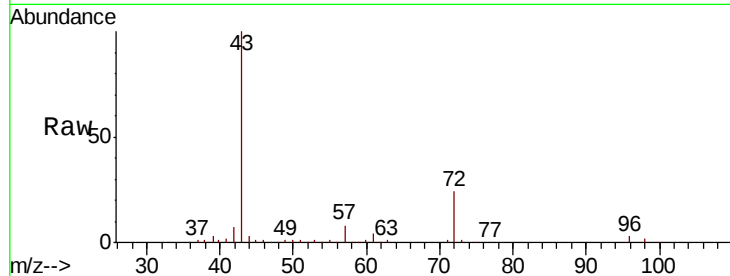
ClientSampleId :

Tot Ion: 43 Resp: 140422

Ion Ratio Lower Upper

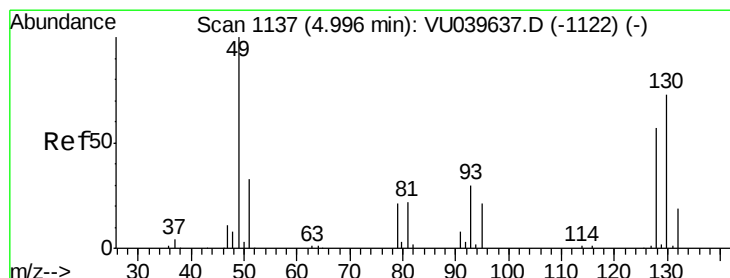
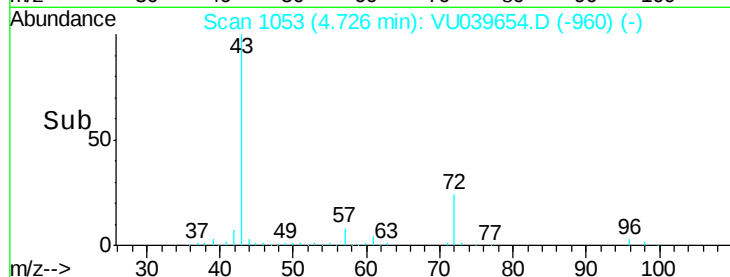
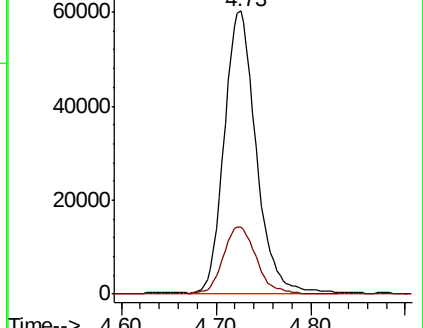
43 100

72 25.1 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VU039637.D (-1035) (-)

Ion 72.00 (71.70 to 72.70): VU039637.D (-1035) (-)



#23

Bromochloromethane

Concen: 51.652 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

Tgt Ion: 128 Resp: 38352

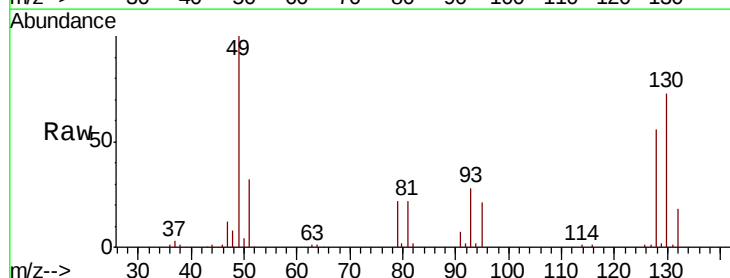
Ion Ratio Lower Upper

128 100

49 177.4 124.5 231.3

130 129.7 94.4 175.2

51 56.3 43.5 65.3

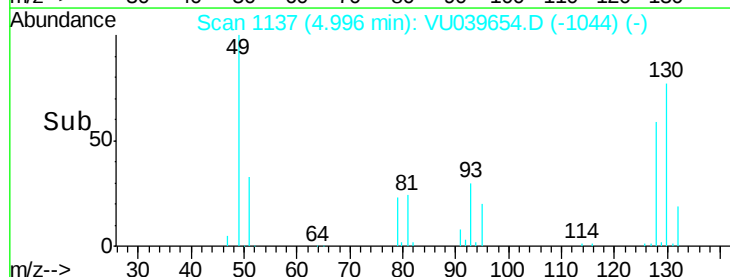
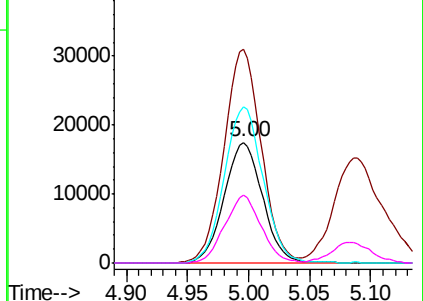


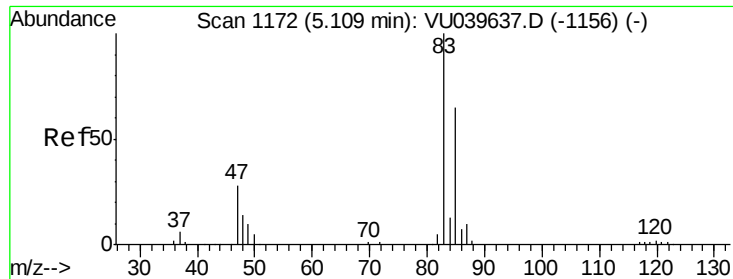
Abundance Ion 128.00 (127.70 to 128.70): VU039637.D (-1122) (-)

Ion 49.00 (48.70 to 49.70): VU039637.D (-1122) (-)

Ion 130.00 (129.70 to 130.70): VU039637.D (-1122) (-)

Ion 51.00 (50.70 to 51.70): VU039637.D (-1122) (-)

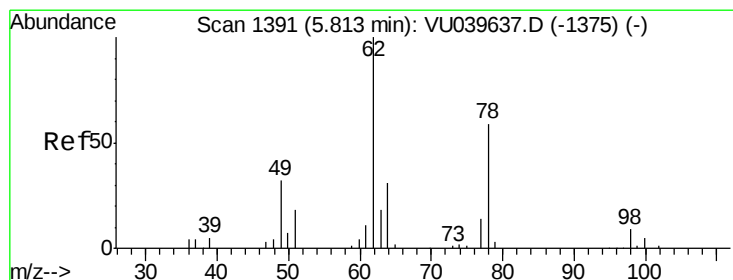
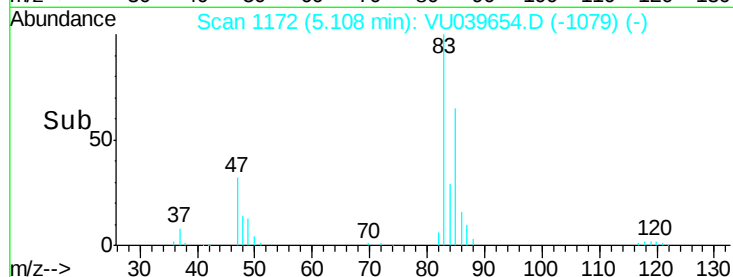
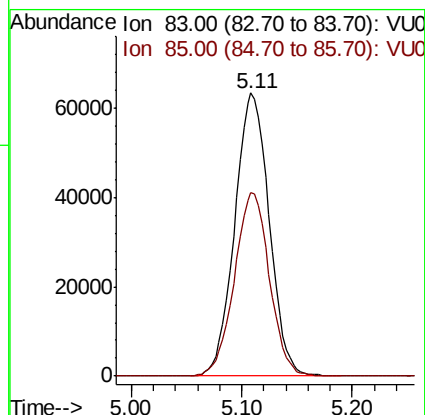
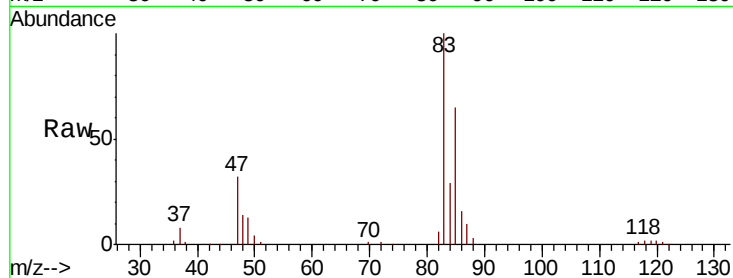




#25
Chloroform
Concen: 49.081 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039654.D
Acq: 23 Jul 2020 22:22

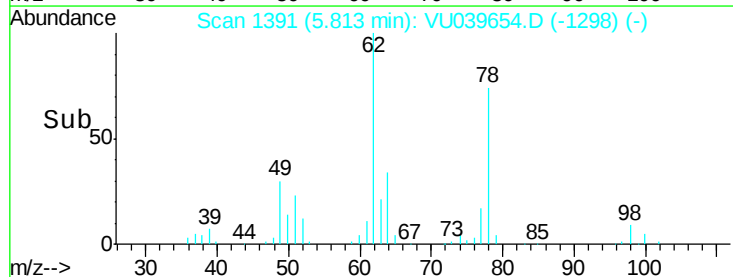
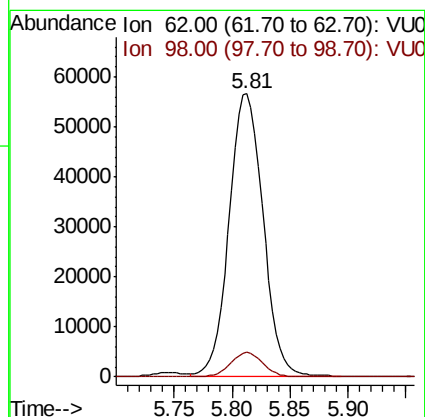
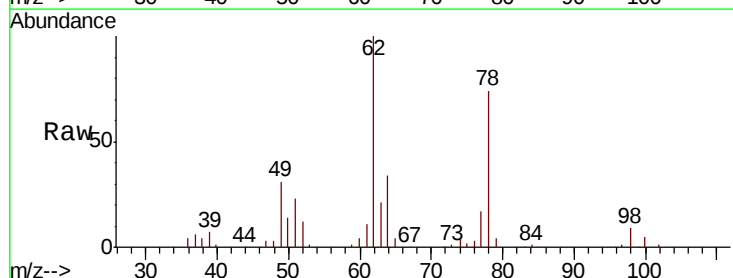
Instrument :
MSVOA_U
ClientSampleId :

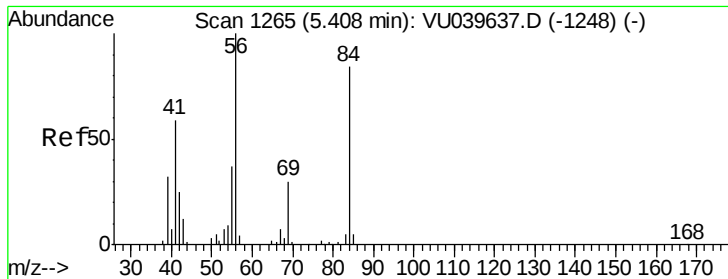
Tot Ion: 83 Resp: 137342
Ion Ratio Lower Upper
83 100
85 64.9 45.6 84.6



#27
1,2-Dichloroethane
Concen: 49.741 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039654.D
Acq: 23 Jul 2020 22:22

Tgt Ion: 62 Resp: 115417
Ion Ratio Lower Upper
62 100
98 8.9 6.4 9.6

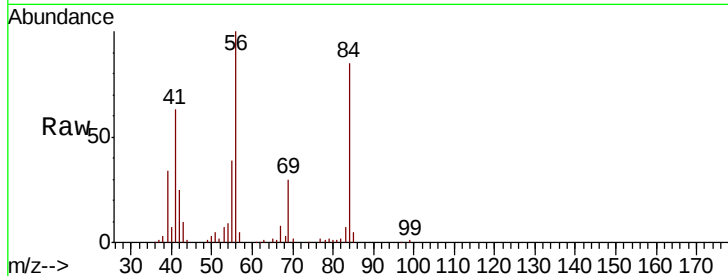




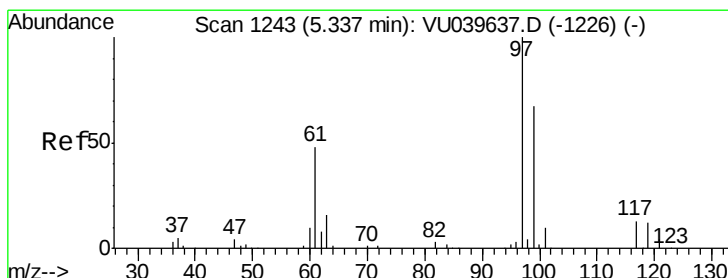
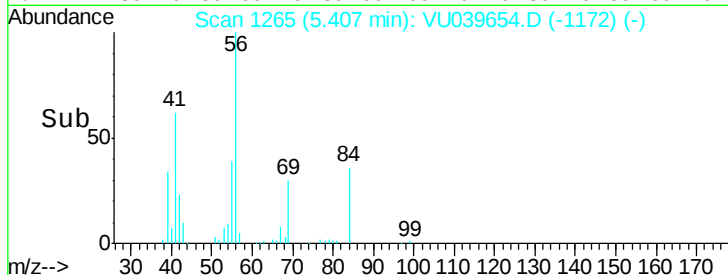
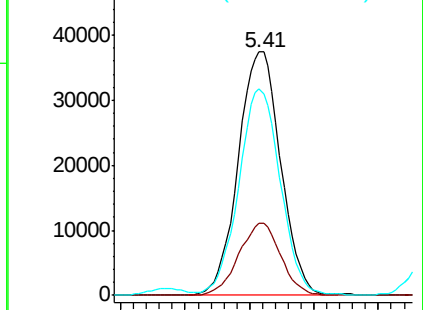
#29
Cyclohexane
Concen: 40.739 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VU039654.D
Acq: 23 Jul 2020 22:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	56	Resp	85780
Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.9	35.9
84	82.4	65.8	98.8

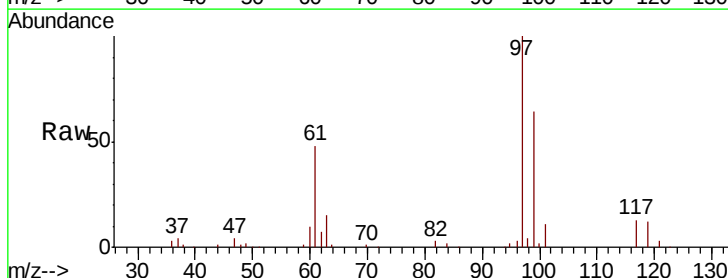


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

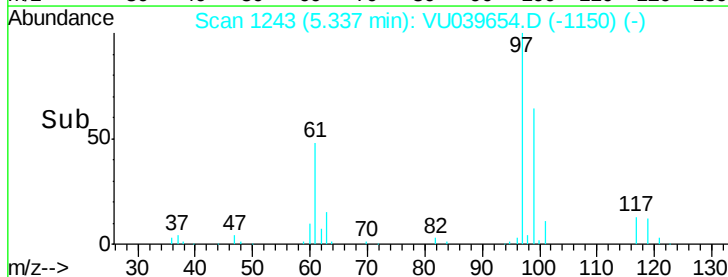
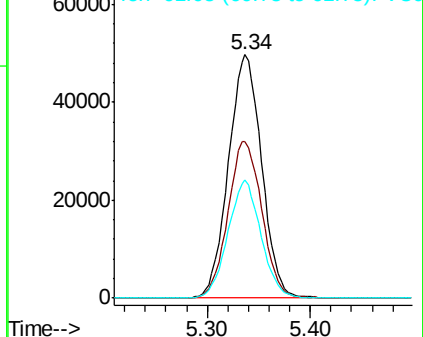


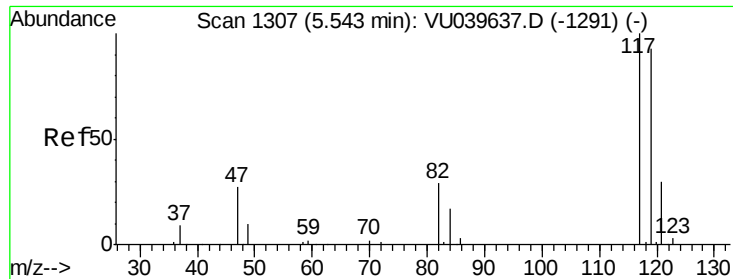
#30
1,1,1-Trichloroethane
Concen: 47.977 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VU039654.D
Acq: 23 Jul 2020 22:22

Tgt Ion	97	Resp	111319
Ion	Ratio	Lower	Upper
97	100		
99	65.5	50.3	75.5
61	48.2	36.0	54.0



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 47.628 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

Instrument :

MSVOA_U

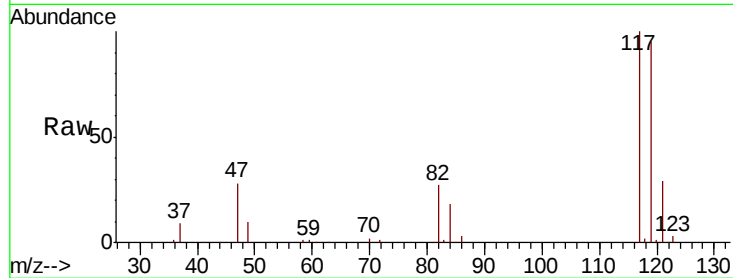
ClientSampleId :

Tot Ion:117 Resp: 91667

Ion Ratio Lower Upper

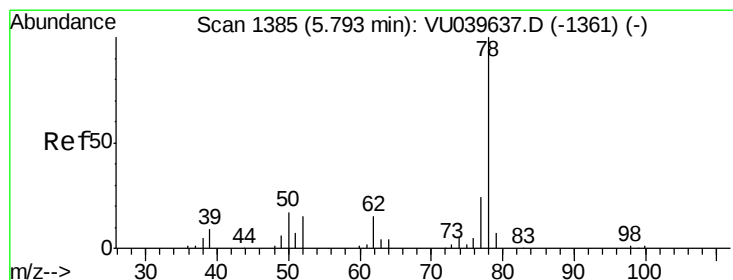
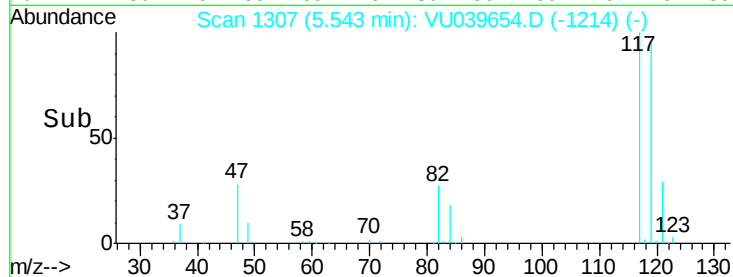
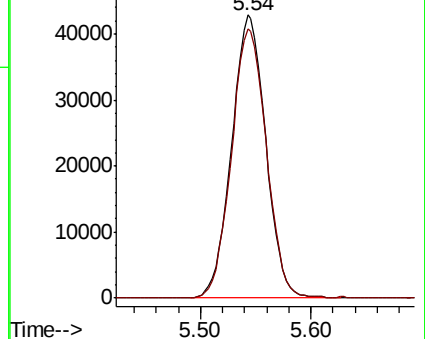
117 100

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: 51.710 ug/L

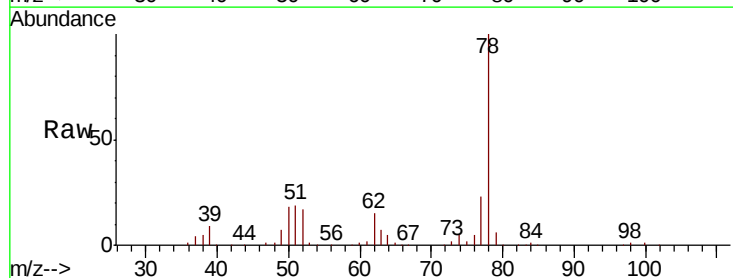
RT: 5.79 min Scan# 1385

Delta R.T. -0.00 min

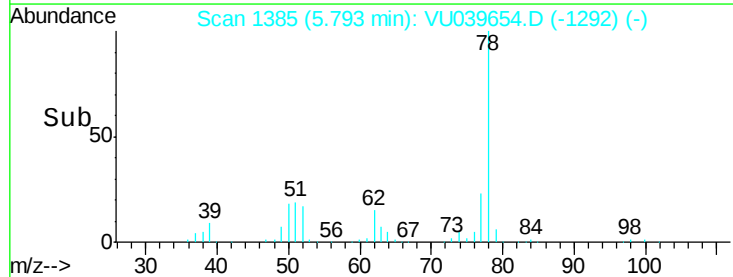
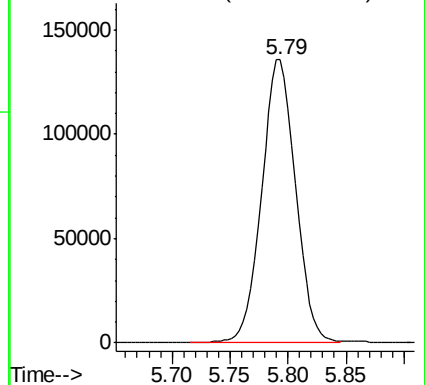
Lab File: VU039654.D

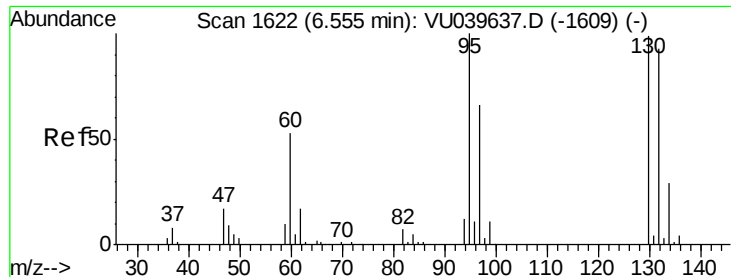
Acq: 23 Jul 2020 22:22

Tgt Ion: 78 Resp: 276215



Abundance Ion 78.00 (77.70 to 78.70): VU0

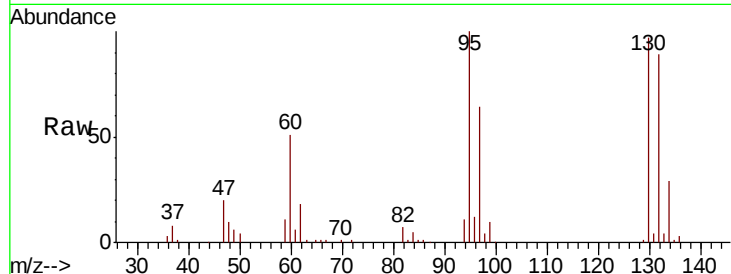




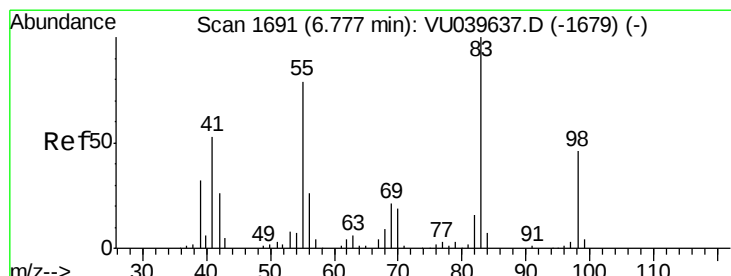
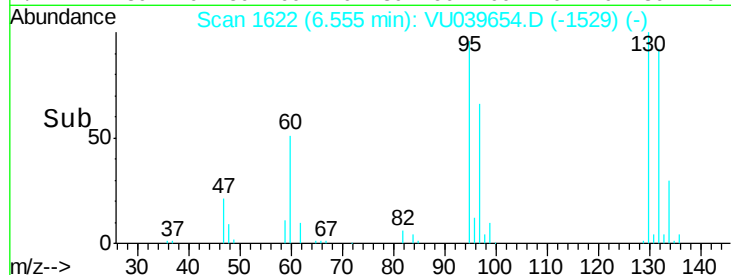
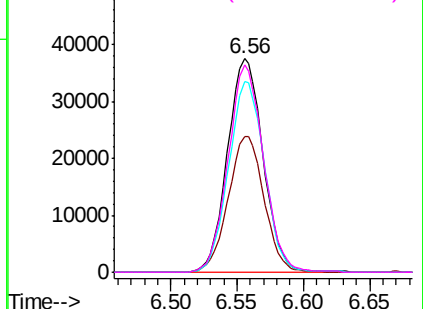
#34
 Trichloroethene
 Concen: 49.646 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039654.D
 Acq: 23 Jul 2020 22:22

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 70143
 Ion Ratio Lower Upper
 95 100
 97 63.6 45.5 84.5
 132 89.3 65.0 120.6
 130 96.9 67.9 126.1

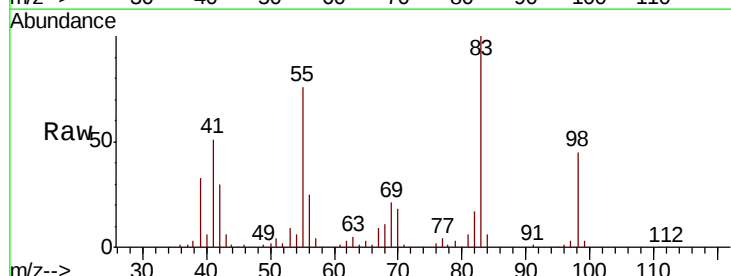


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

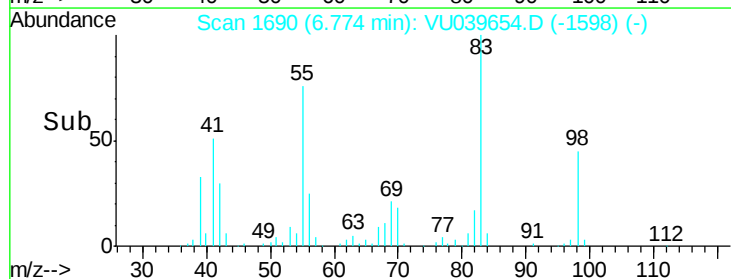
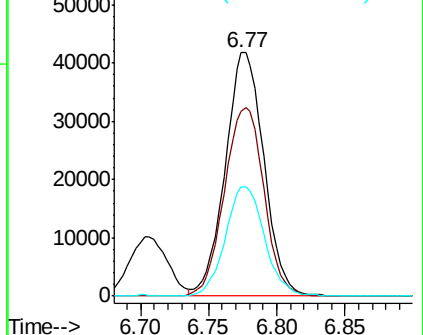


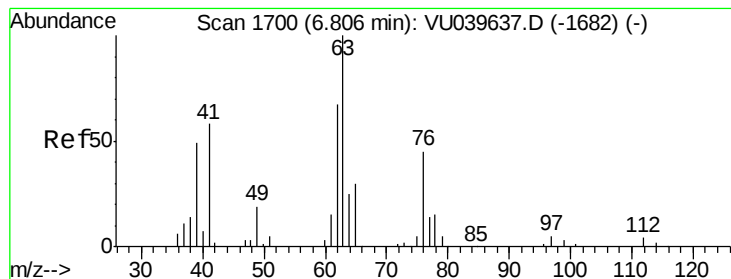
#35
 Methylcyclohexane
 Concen: 37.743 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039654.D
 Acq: 23 Jul 2020 22:22

Tgt Ion: 83 Resp: 82454
 Ion Ratio Lower Upper
 83 100
 55 79.0 62.9 94.3
 98 45.4 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: 51.357 ug/L

RT: 6.81 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

Instrument :

MSVOA_U

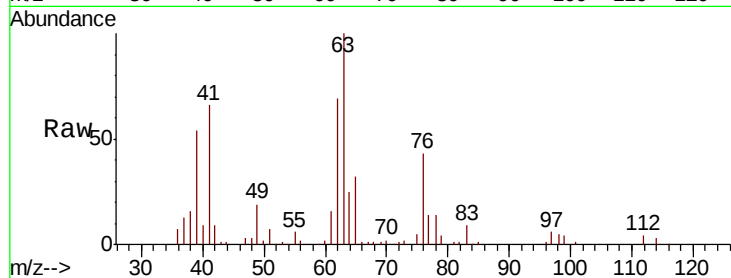
ClientSampleId :

Tot Ion: 63 Resp: 74271

Ion Ratio Lower Upper

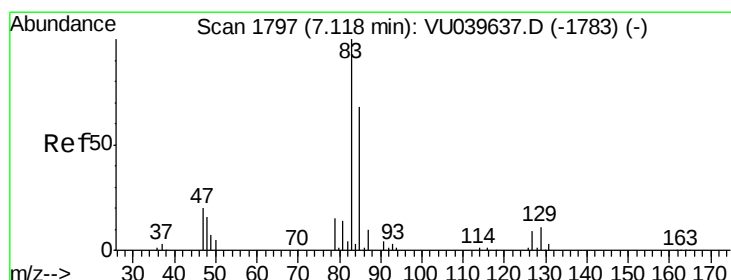
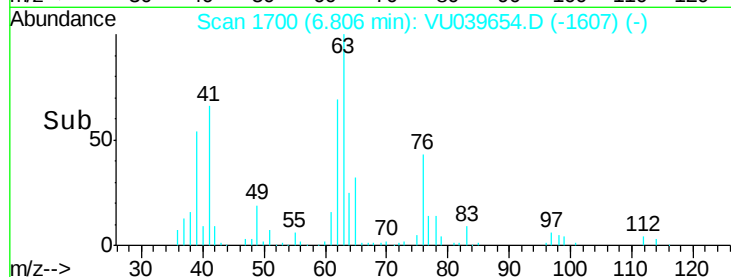
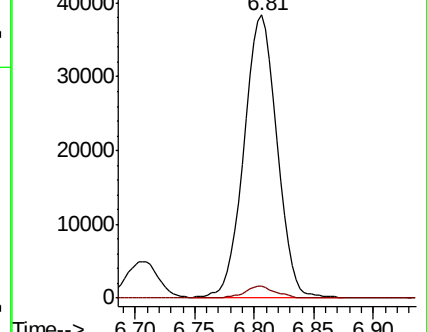
63 100

112 3.8 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VU039637.D (-1682) (-)

Ion 112.00 (111.70 to 112.70): VU039637.D (-1682) (-)



#38

Bromodichloromethane

Concen: 53.021 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

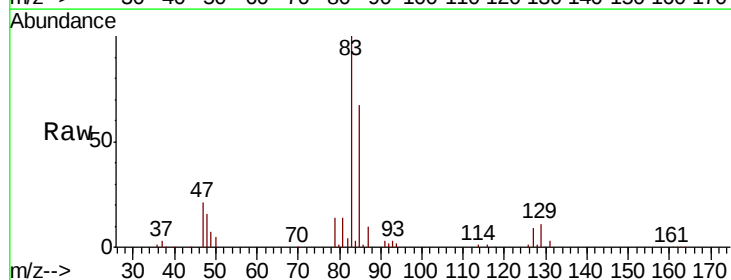
Tgt Ion: 83 Resp: 101832

Ion Ratio Lower Upper

83 100

85 67.4 45.9 85.3

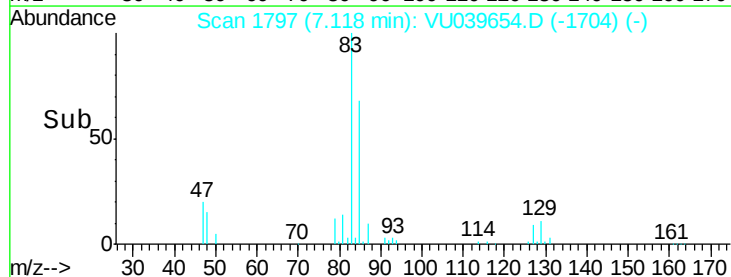
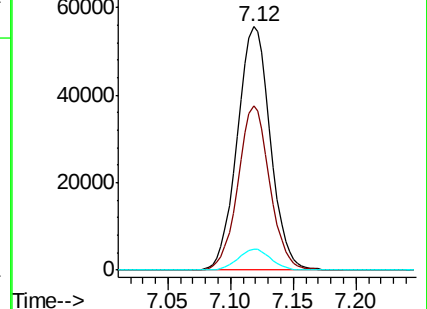
127 8.6 7.4 11.2

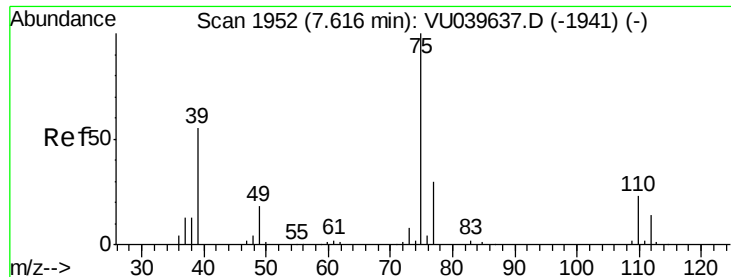


Abundance Ion 83.00 (82.70 to 83.70): VU039637.D (-1783) (-)

Ion 85.00 (84.70 to 85.70): VU039637.D (-1783) (-)

Ion 127.00 (126.70 to 127.70): VU039637.D (-1783) (-)

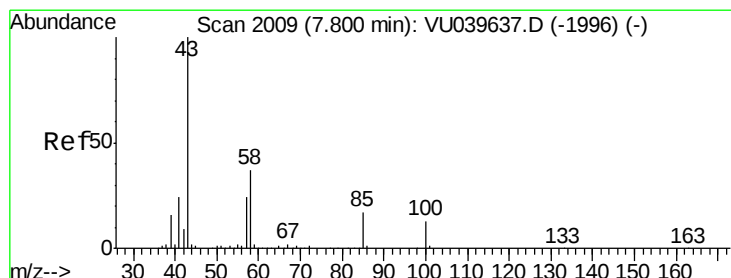
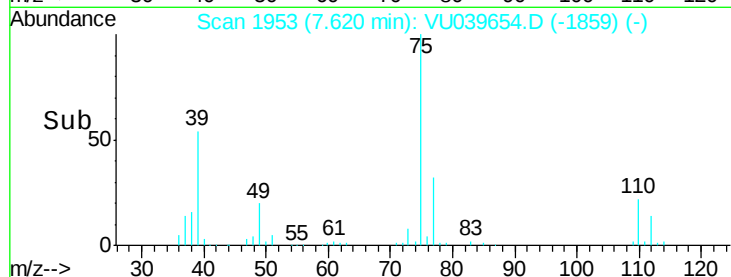
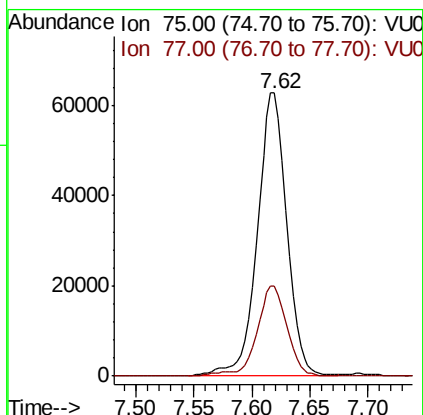
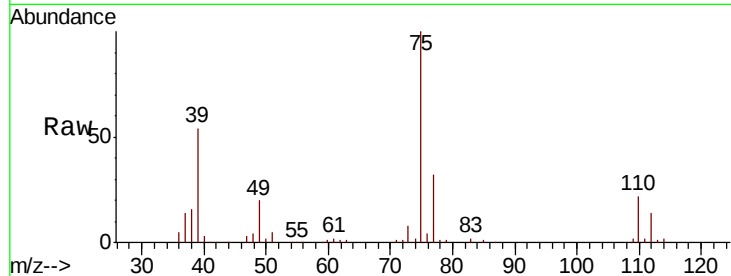




#39
 cis-1,3-Dichloropropene
 Concen: 51.488 ug/L
 RT: 7.62 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VU039654.D
 Acq: 23 Jul 2020 22:22

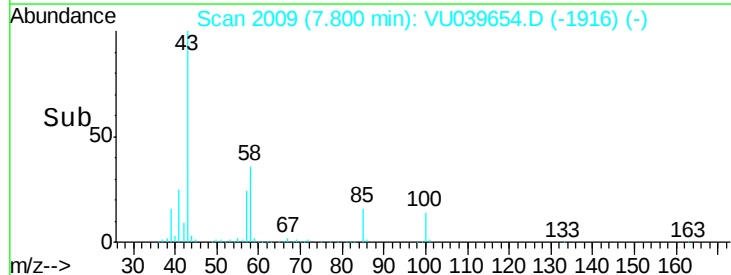
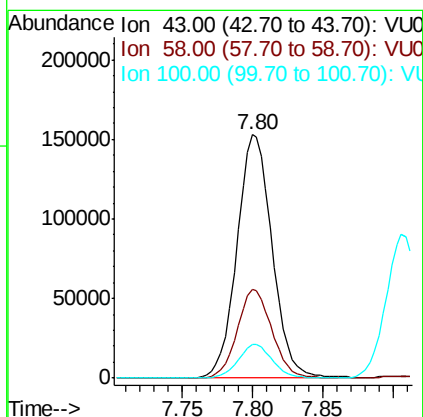
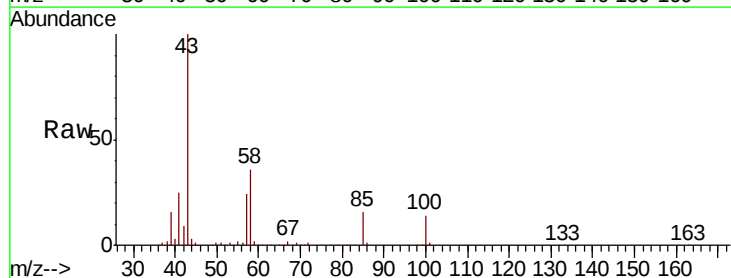
Instrument :
 MSVOA_U
 ClientSampleId :

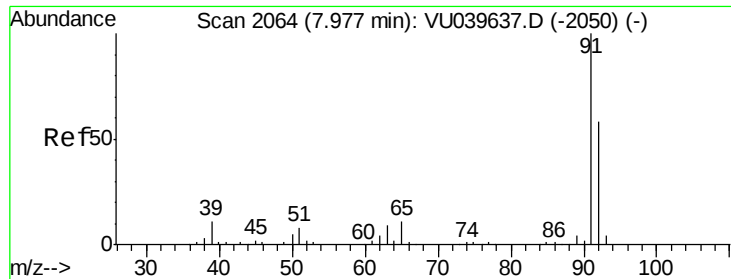
Tot Ion: 75 Resp: 111278
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 106.175 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU039654.D
 Acq: 23 Jul 2020 22:22

Tgt Ion: 43 Resp: 267500
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.1 43.7
 100 13.4 10.6 16.0





#42

Toluene

Concen: 48.488 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

Instrument :

MSVOA_U

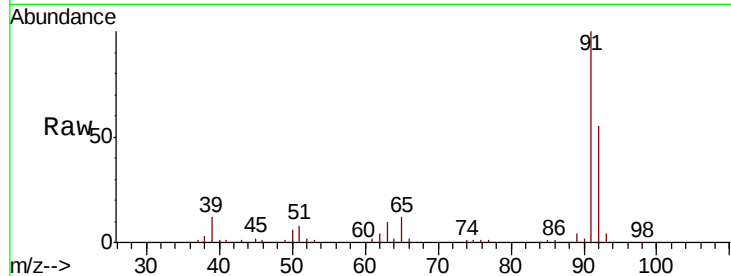
ClientSampleId :

Tot Ion: 91 Resp: 284829

Ion Ratio Lower Upper

91 100

92 55.4 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) (-)

7.98

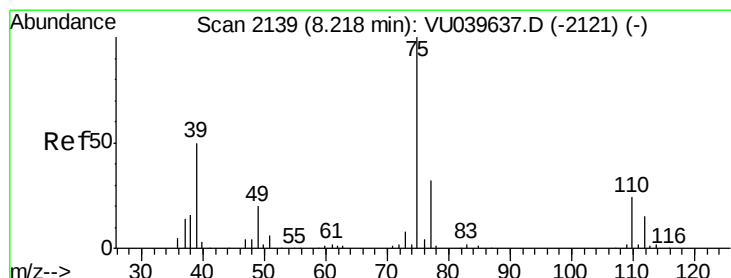
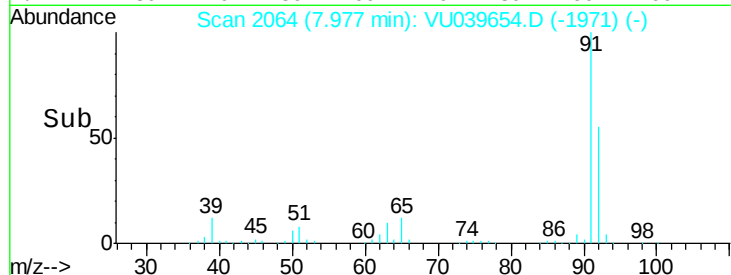
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.130 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039654.D

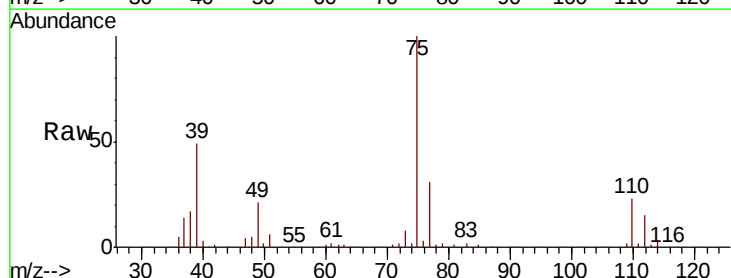
Acq: 23 Jul 2020 22:22

Tgt Ion: 75 Resp: 110335

Ion Ratio Lower Upper

75 100

77 31.1 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) (-)

8.22

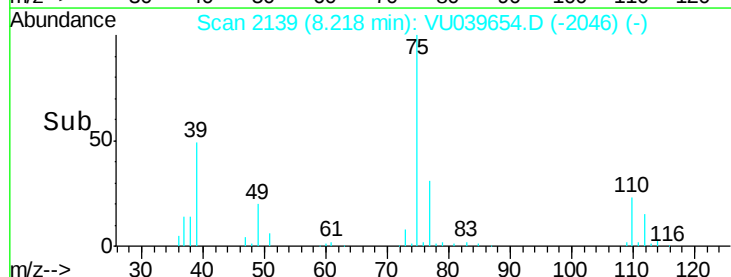
60000

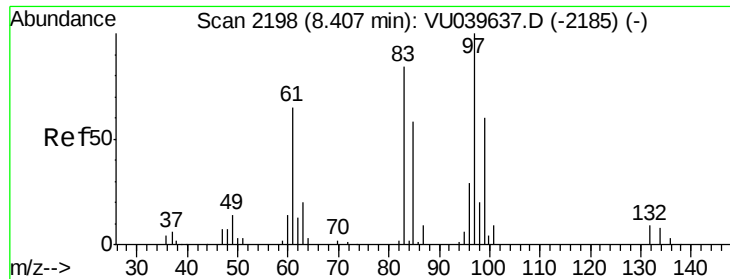
40000

20000

0

Time-->

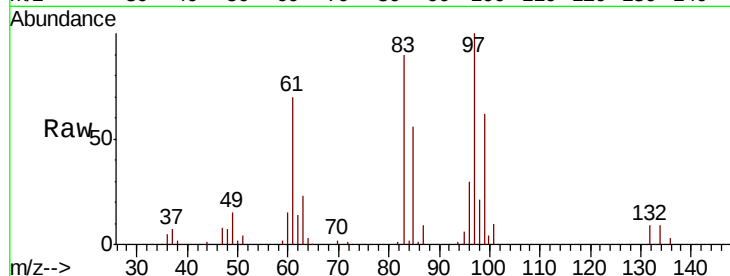




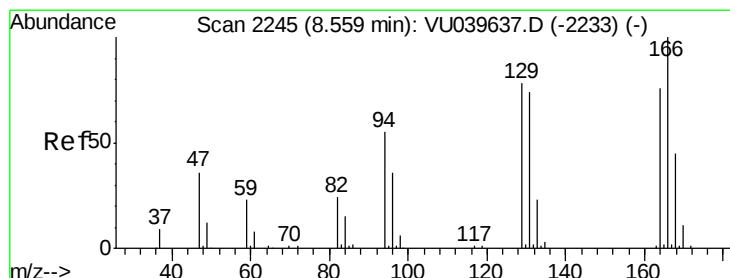
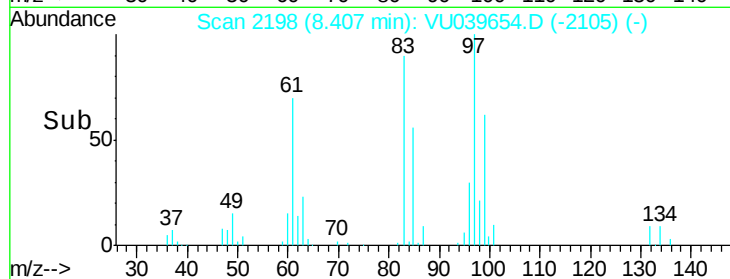
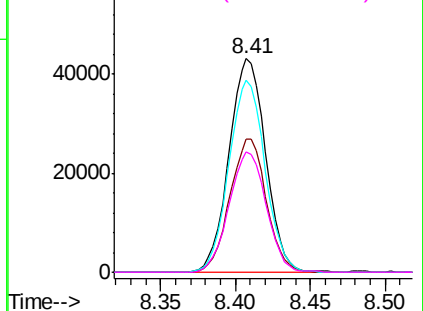
#45
 1,1,2-Trichloroethane
 Concen: 53.232 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039654.D
 Acq: 23 Jul 2020 22:22

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	73412
Ion	Ratio	Lower	Upper
97	100		
99	62.4	45.1	83.9
83	89.8	62.7	116.5
85	56.1	41.0	76.2

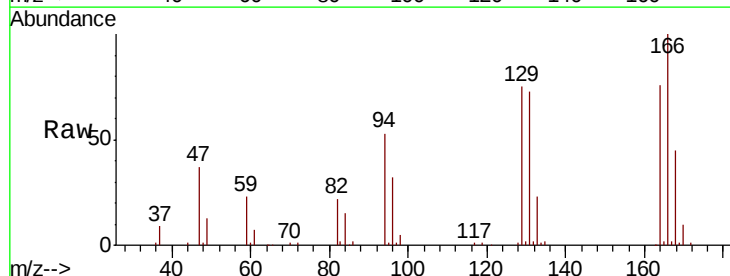


Abundance Ion 97.00 (96.70 to 97.70): VU039654.D (-2105) (-)
 Ion 99.00 (98.70 to 99.70): VU039654.D (-2105) (-)
 Ion 83.00 (82.70 to 83.70): VU039654.D (-2105) (-)
 Ion 85.00 (84.70 to 85.70): VU039654.D (-2105) (-)

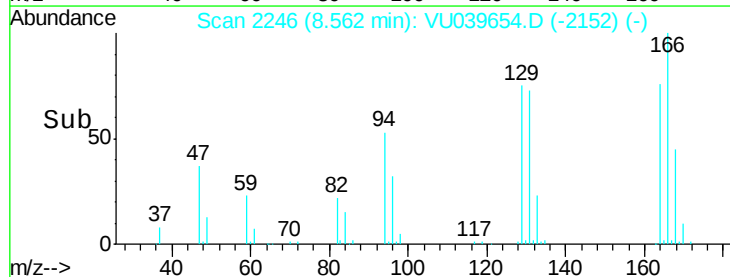
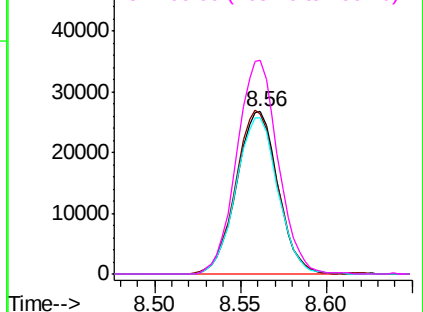


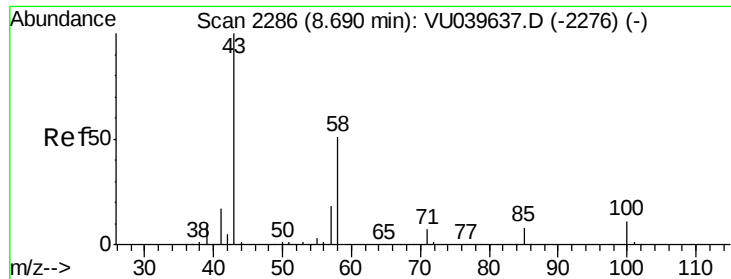
#46
 Tetrachloroethene
 Concen: 41.981 ug/L
 RT: 8.56 min Scan# 2246
 Delta R.T. 0.00 min
 Lab File: VU039654.D
 Acq: 23 Jul 2020 22:22

Tgt Ion:	164	Resp:	44864
Ion	Ratio	Lower	Upper
164	100		
129	98.9	71.1	132.1
131	96.0	70.3	130.5
166	131.5	87.8	163.0



Abundance Ion 164.00 (163.70 to 164.70): VU039654.D (-2152) (-)
 Ion 129.00 (128.70 to 129.70): VU039654.D (-2152) (-)
 Ion 131.00 (130.70 to 131.70): VU039654.D (-2152) (-)
 Ion 166.00 (165.70 to 166.70): VU039654.D (-2152) (-)

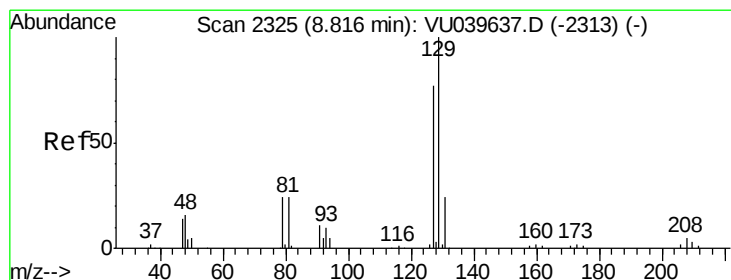
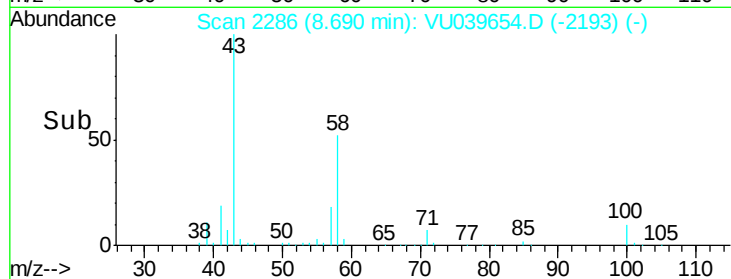
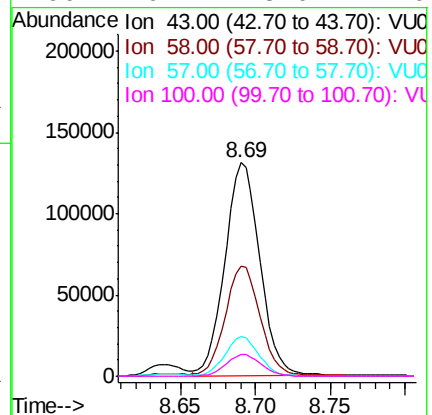
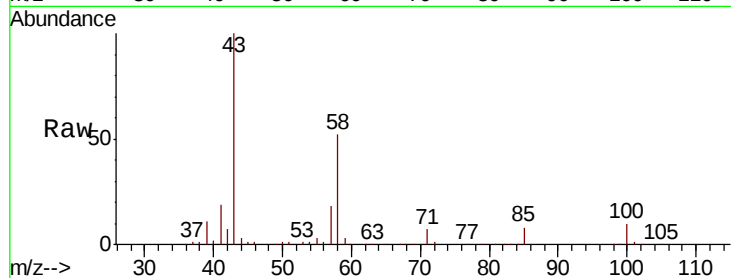




#48
2-Hexanone
Concen: 104.088 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039654.D
Acq: 23 Jul 2020 22:22

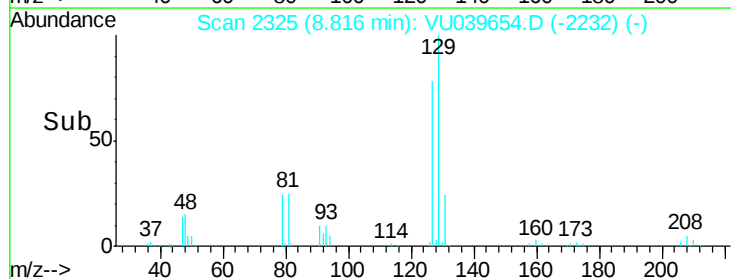
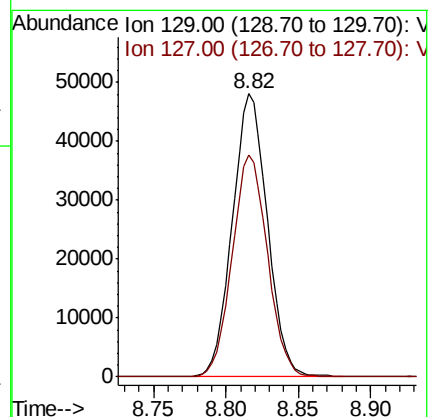
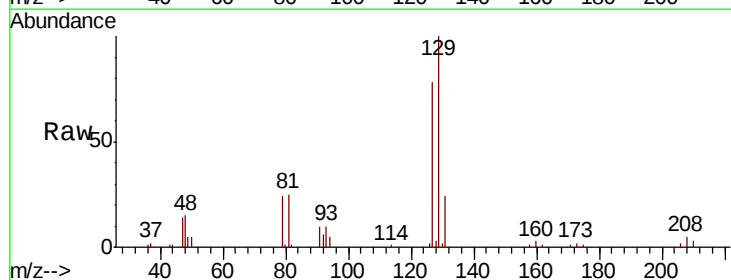
Instrument :
MSVOA_U
ClientSampled :

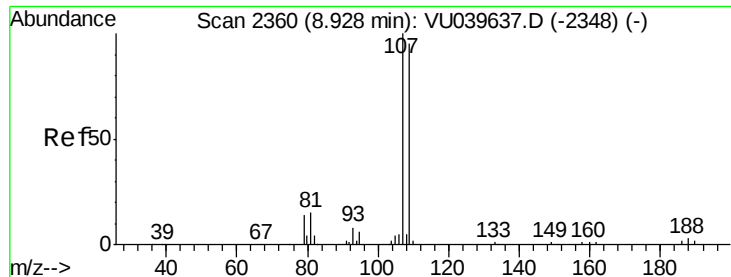
Tot Ion: 43 Resp: 213682
Ion Ratio Lower Upper
43 100
58 51.5 40.6 61.0
57 18.2 14.5 21.7
100 10.7 8.0 12.0



#49
Dibromochloromethane
Concen: 51.877 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039654.D
Acq: 23 Jul 2020 22:22

Tgt Ion: 129 Resp: 80780
Ion Ratio Lower Upper
129 100
127 78.3 54.3 100.9

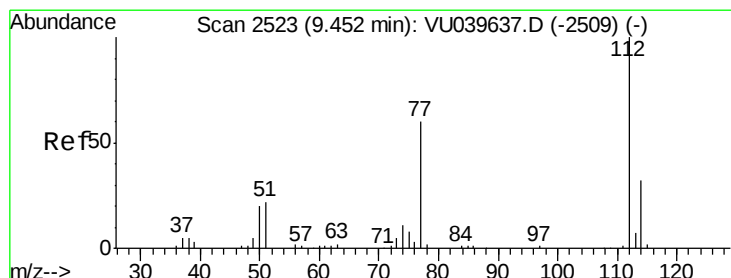
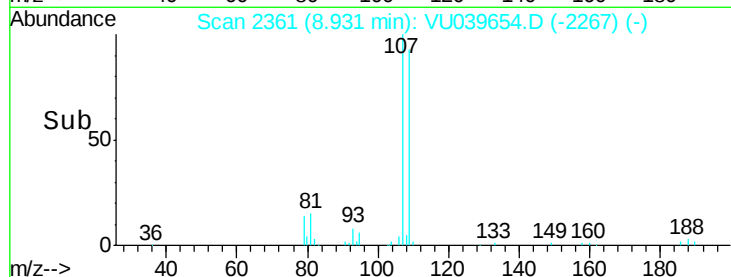
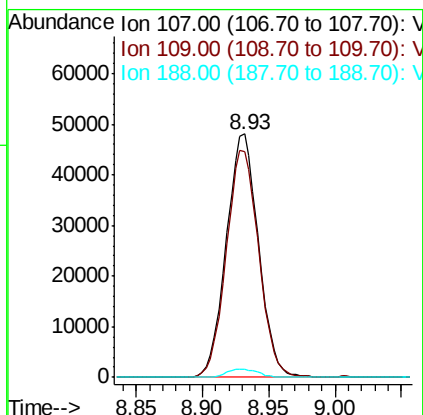
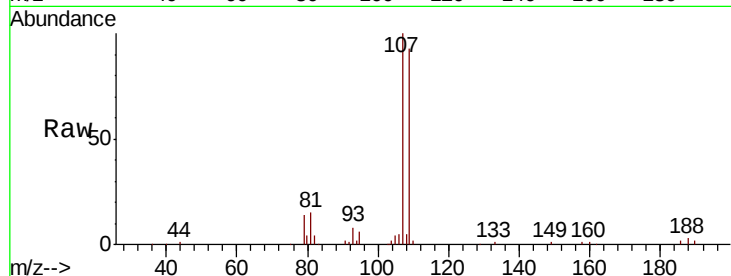




#50
1,2-Dibromoethane
Concen: 52.876 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039654.D
Acq: 23 Jul 2020 22:22

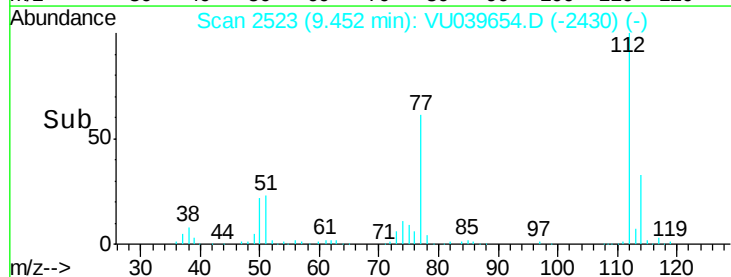
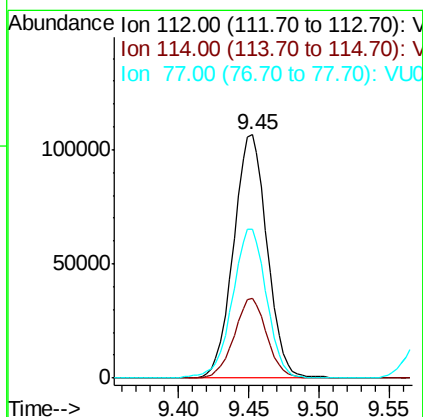
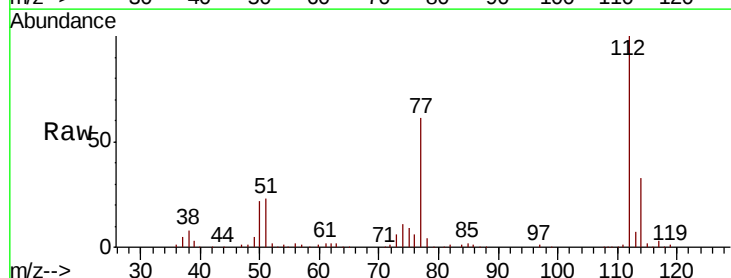
Instrument :
MSVOA_U
ClientSampleId :

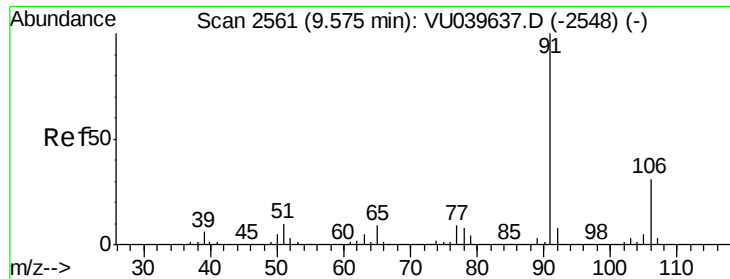
Tot Ion:107 Resp: 81129
Ion Ratio Lower Upper
107 100
109 92.8 66.8 124.2
188 3.2 3.0 4.4



#51
Chlorobenzene
Concen: 47.441 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. -0.00 min
Lab File: VU039654.D
Acq: 23 Jul 2020 22:22

Tgt Ion:112 Resp: 177820
Ion Ratio Lower Upper
112 100
114 32.7 22.9 42.5
77 61.3 49.4 74.0





#52

Ethylbenzene

Concen: 46.168 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

Instrument :

MSVOA_U

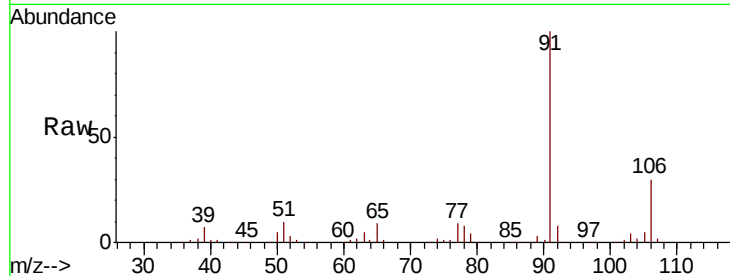
ClientSampleId :

Tot Ion: 91 Resp: 299693

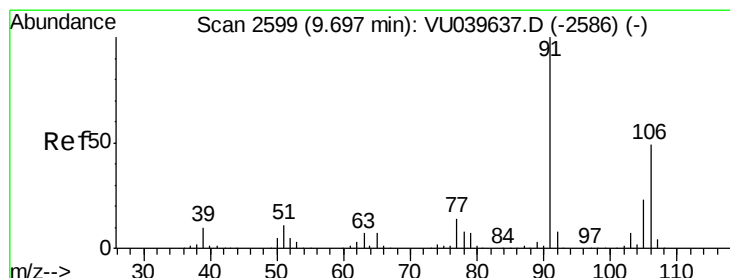
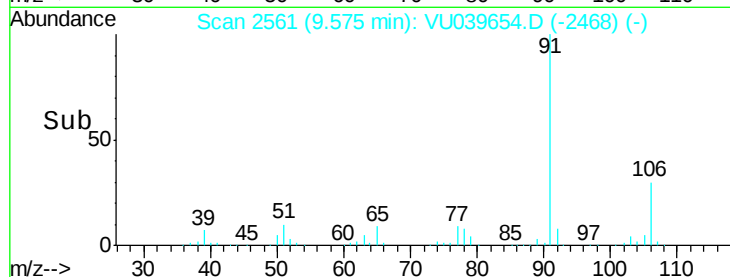
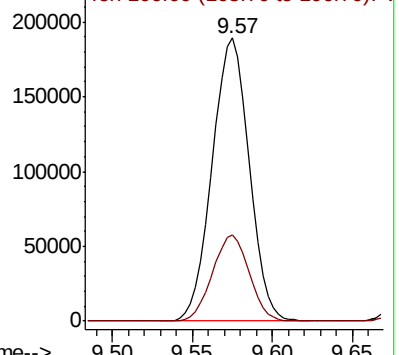
Ion Ratio Lower Upper

91 100

106 30.4 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU039637.D (-2548) (-)



#53

m,p-Xylene

Concen: 45.552 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039654.D

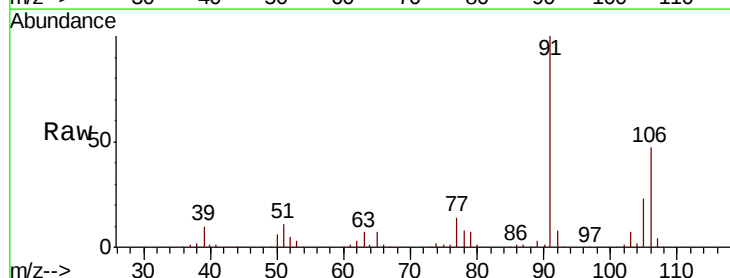
Acq: 23 Jul 2020 22:22

Tgt Ion: 106 Resp: 111462

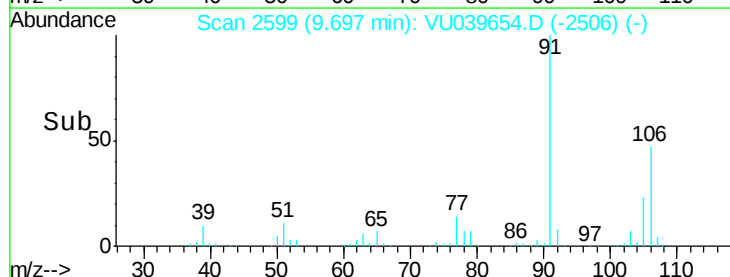
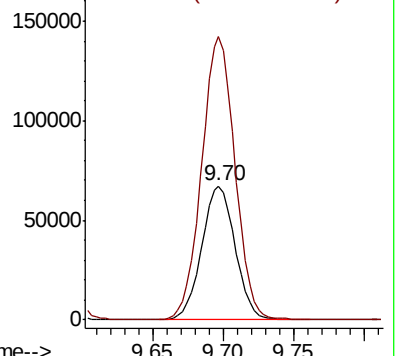
Ion Ratio Lower Upper

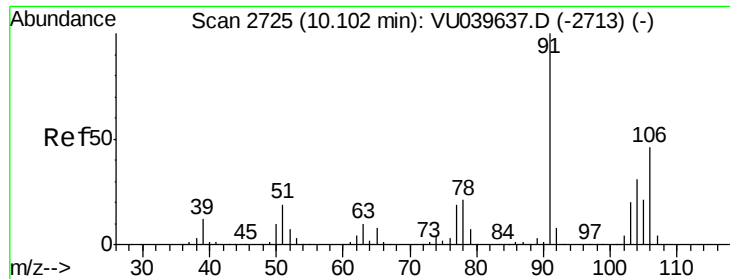
106 100

91 211.9 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU039637.D (-2586) (-)





#54

o-xylene

Concen: 50.186 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

Instrument :

MSVOA_U

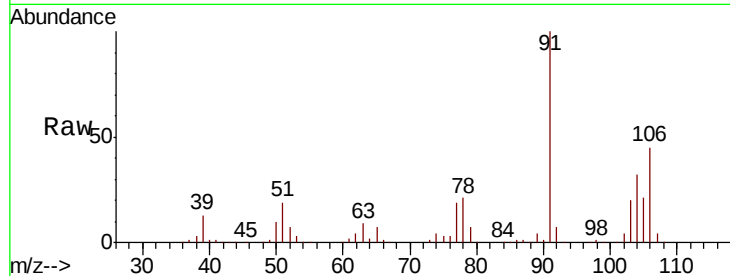
ClientSampled :

Tot Ion:106 Resp: 117847

Ion Ratio Lower Upper

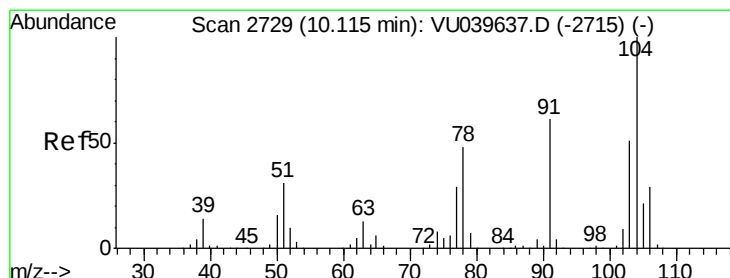
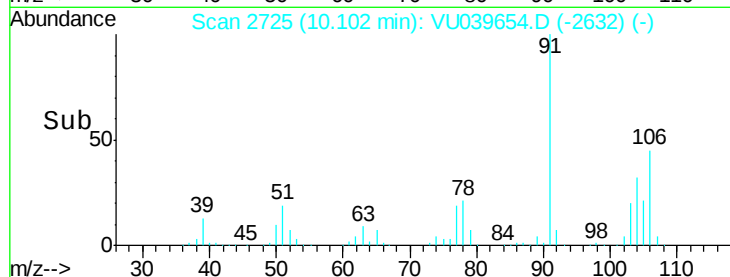
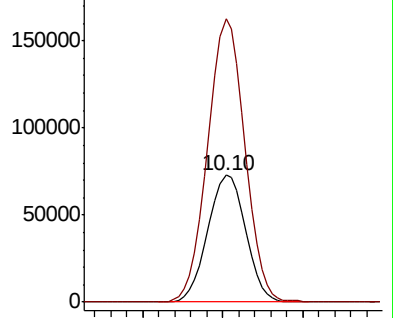
106 100

91 222.6 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.945 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU039654.D

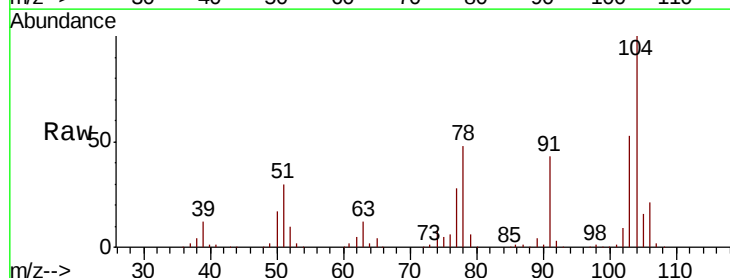
Acq: 23 Jul 2020 22:22

Tgt Ion:104 Resp: 202954

Ion Ratio Lower Upper

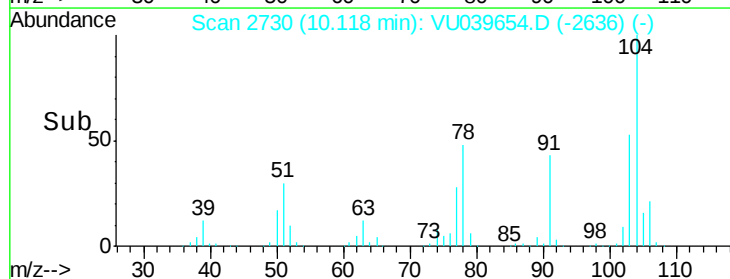
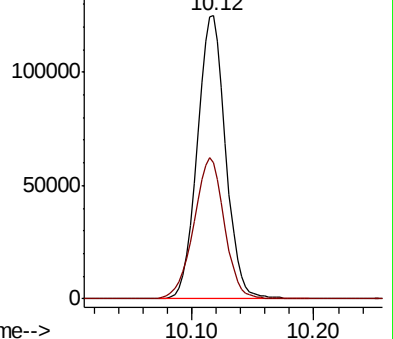
104 100

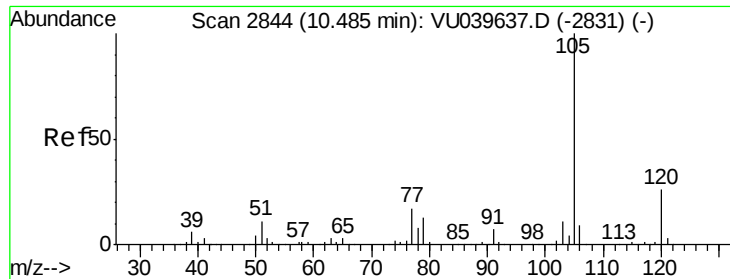
78 48.1 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 44.928 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

Instrument :

MSVOA_U

ClientSampleId :

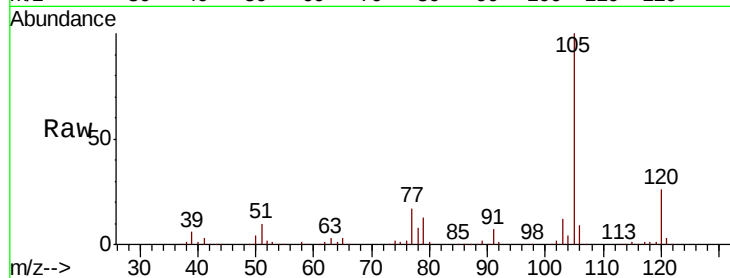
Tot Ion:105 Resp: 286407

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

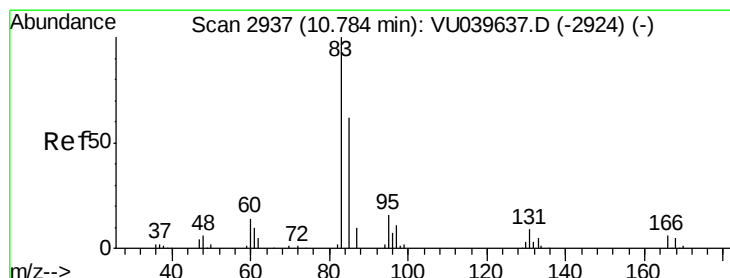
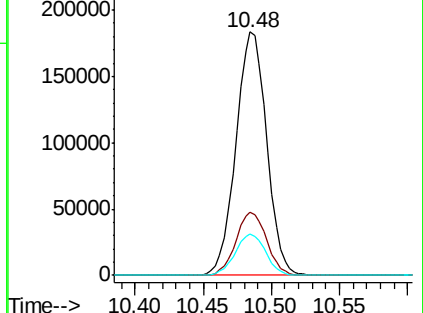
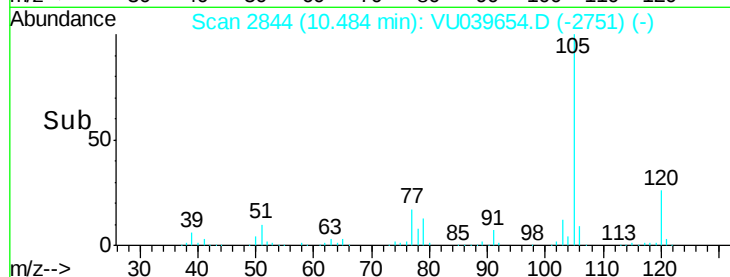
77 16.9 13.4 20.2



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: 50.997 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

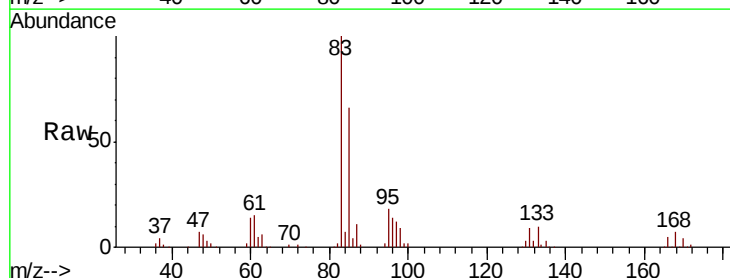
Tgt Ion: 83 Resp: 128191

Ion Ratio Lower Upper

83 100

85 66.0 46.4 86.2

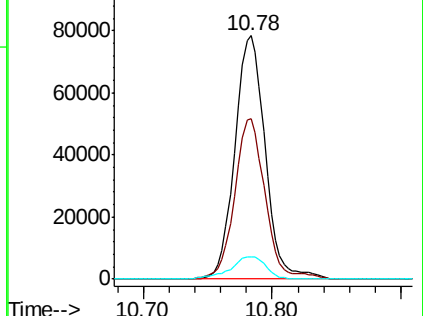
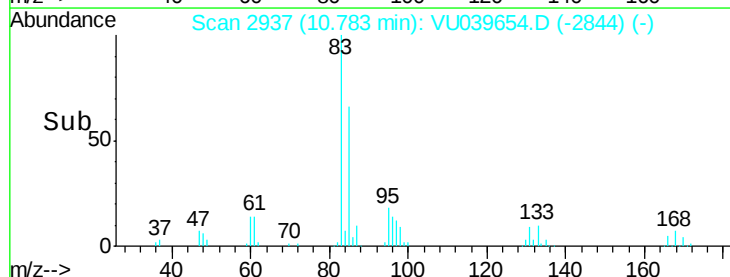
131 9.3 7.8 11.6

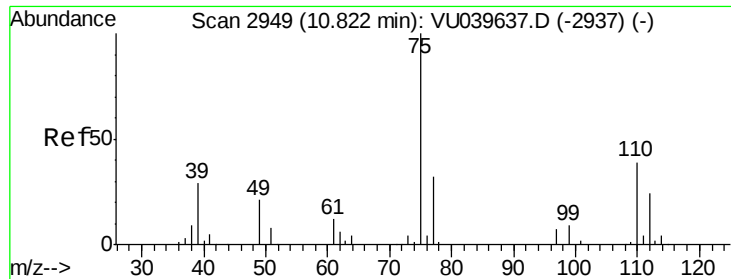


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.822 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

Instrument :

MSVOA_U

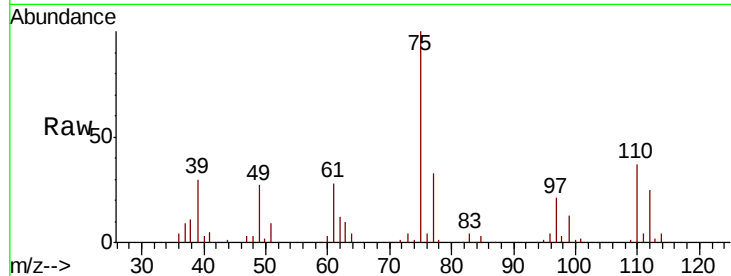
ClientSampleId :

Tot Ion: 75 Resp: 106645

Ion Ratio Lower Upper

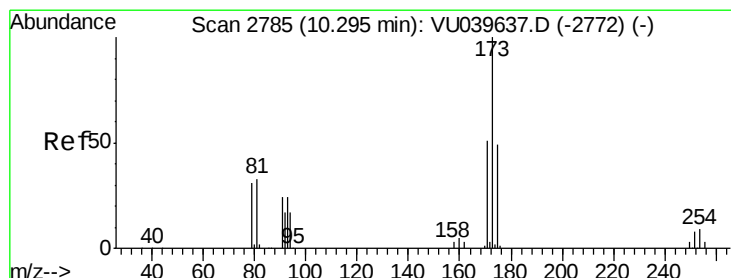
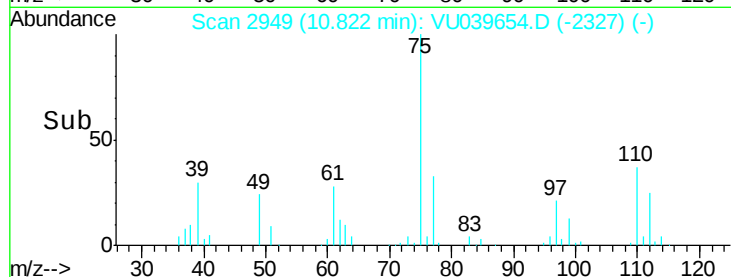
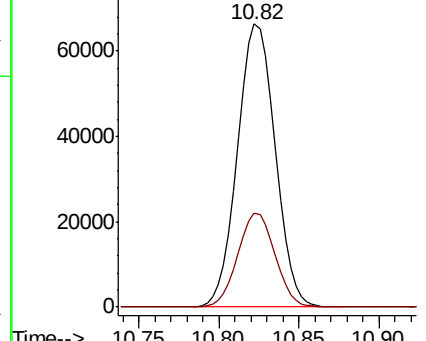
75 100

77 32.9 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU039637.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039637.D (-2937) (-)



#61

Bromoform

Concen: 52.353 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

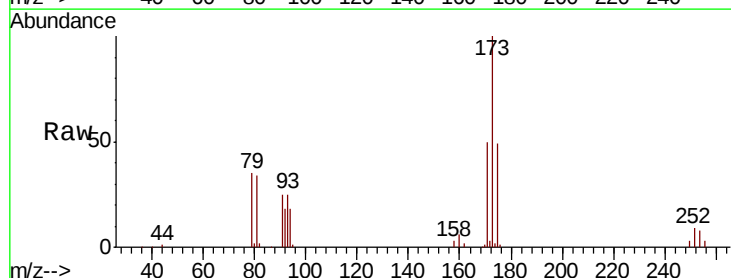
Tgt Ion: 173 Resp: 60696

Ion Ratio Lower Upper

173 100

175 48.8 38.4 57.6

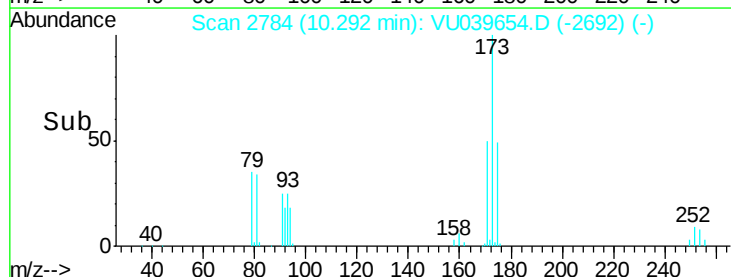
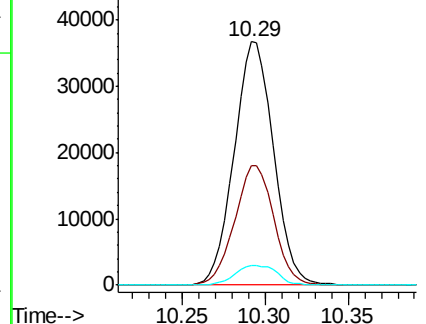
254 8.7 7.0 10.6

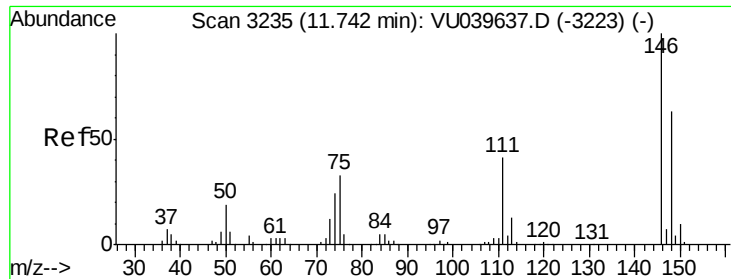


Abundance Ion 173.00 (172.70 to 173.70): VU039637.D (-2772) (-)

Ion 175.00 (174.70 to 175.70): VU039637.D (-2772) (-)

Ion 254.00 (253.70 to 254.70): VU039637.D (-2772) (-)





#62

1,3-Dichlorobenzene

Concen: 46.887 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

Instrument :

MSVOA_U

ClientSampled :

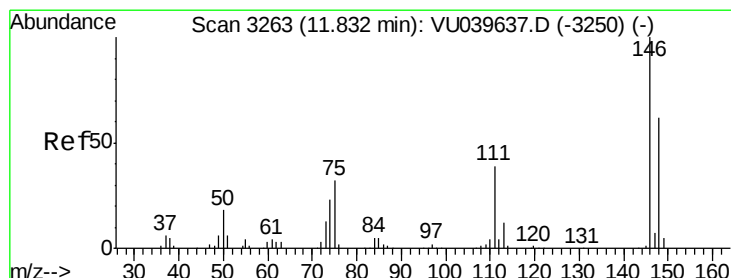
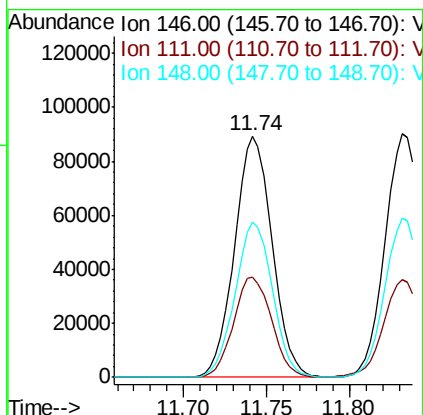
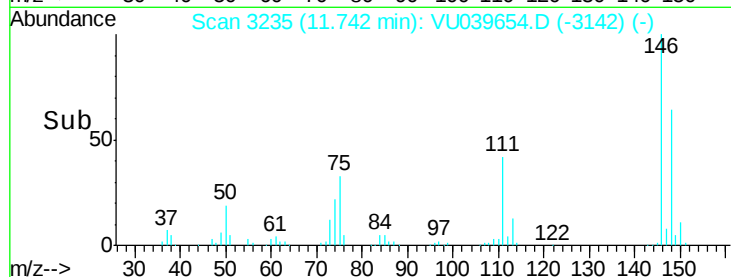
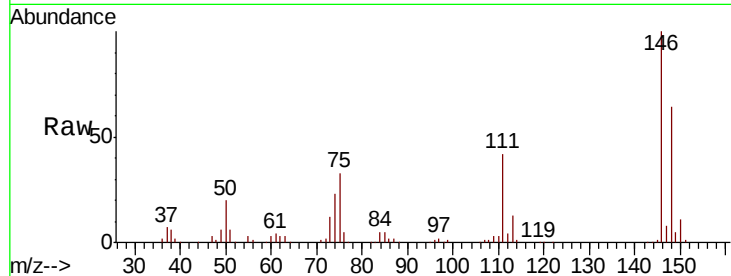
Tot Ion:146 Resp: 140768

Ion Ratio Lower Upper

146 100

111 41.6 29.3 54.3

148 64.2 46.1 85.5



#63

1,4-Dichlorobenzene

Concen: 47.073 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

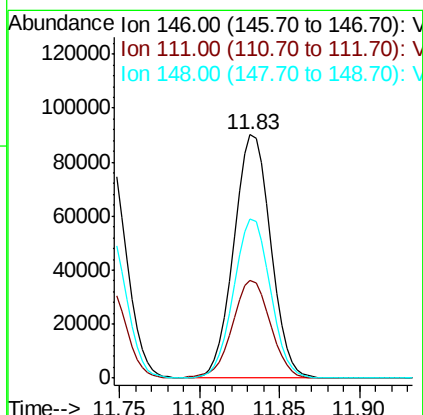
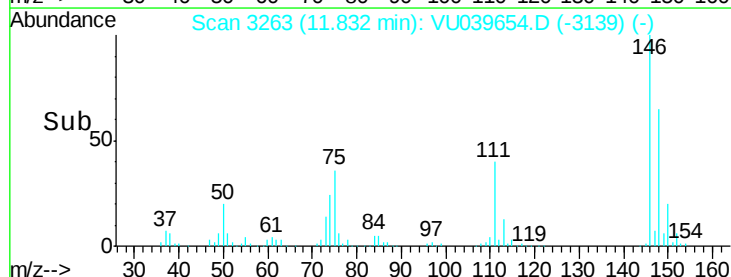
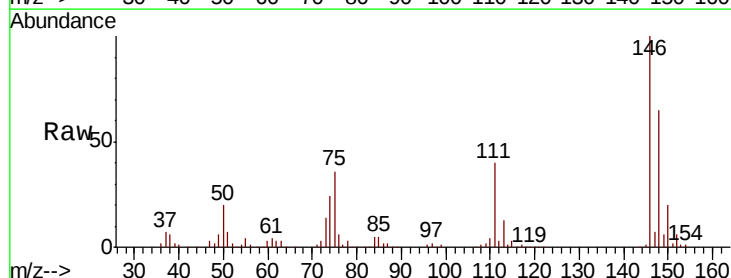
Tgt Ion:146 Resp: 141583

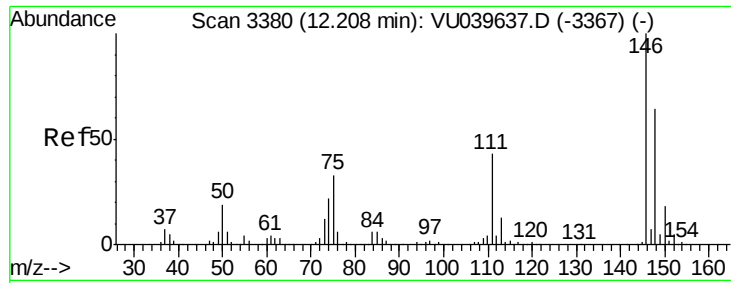
Ion Ratio Lower Upper

146 100

111 40.4 27.8 51.6

148 65.1 44.7 83.1





#65

1,2-Dichlorobenzene

Concen: 49.062 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

Instrument :

MSVOA_U

ClientSampleId :

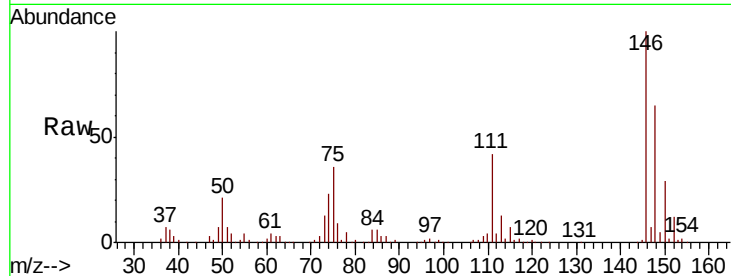
Tot Ion:146 Resp: 148844

Ion Ratio Lower Upper

146 100

111 42.3 34.8 52.2

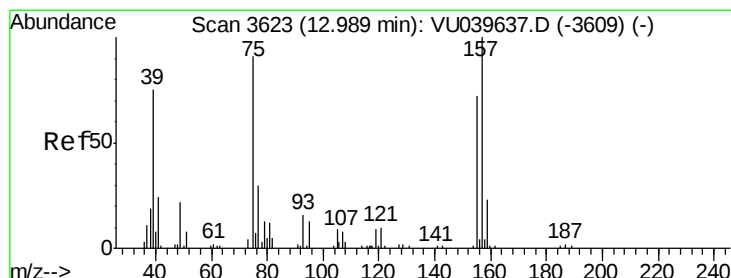
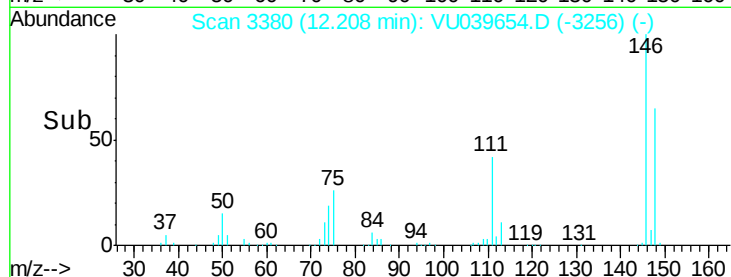
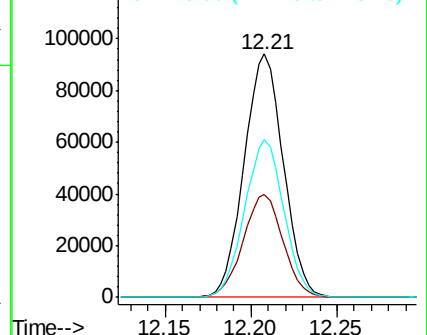
148 64.9 52.5 78.7



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: 54.114 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

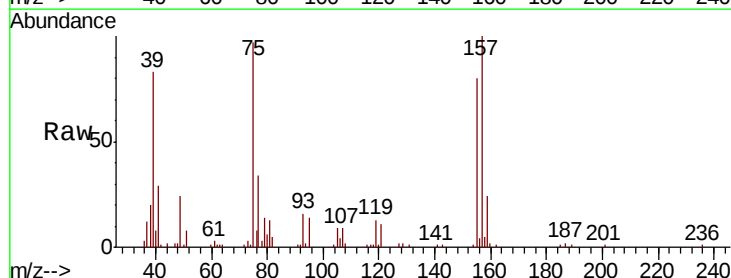
Tgt Ion: 75 Resp: 32842

Ion Ratio Lower Upper

75 100

155 82.9 62.4 93.6

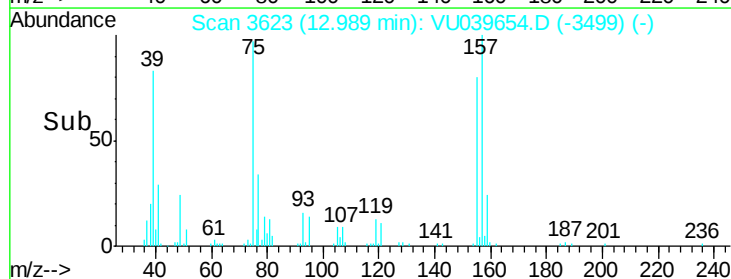
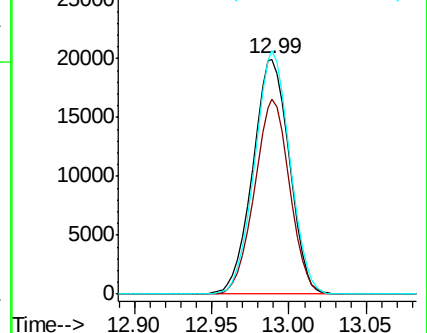
157 103.5 78.9 118.3

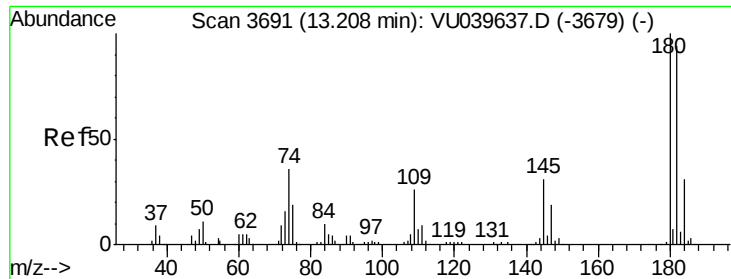


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

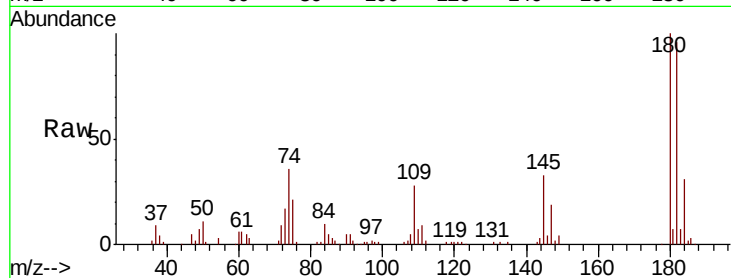




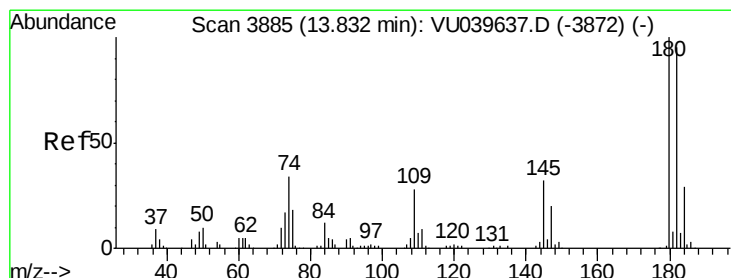
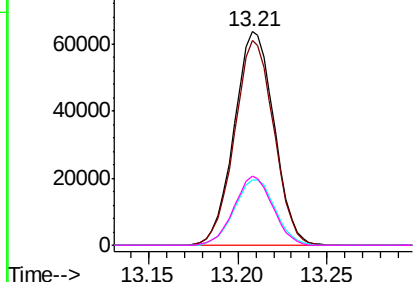
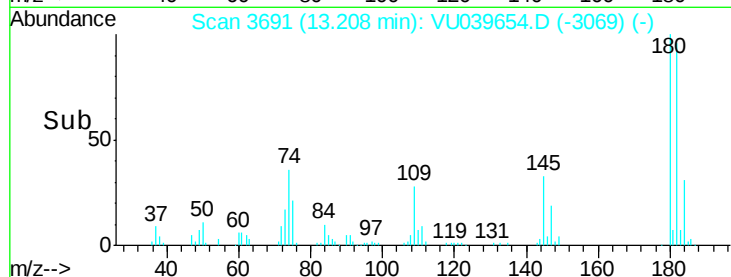
#67
 1,3,5-Trichlorobenzene
 Concen: 45.767 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU039654.D
 Acq: 23 Jul 2020 22:22

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 99091
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.7 113.5
 184 31.1 24.2 36.2
 145 31.4 24.6 36.8

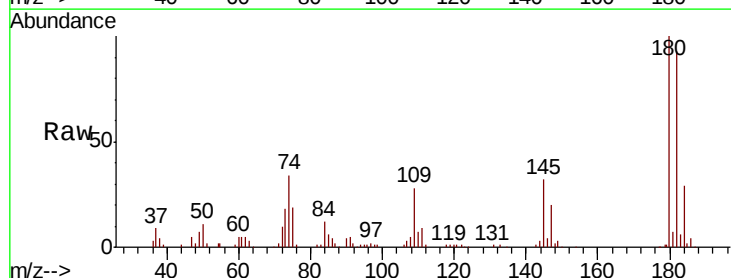


Abundance Ion 180.00 (179.70 to 180.70): V
 100000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

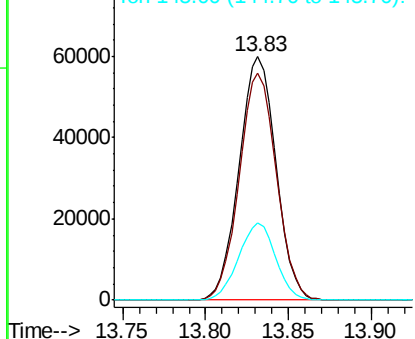
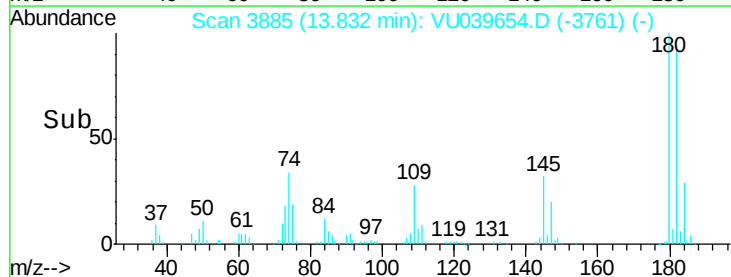


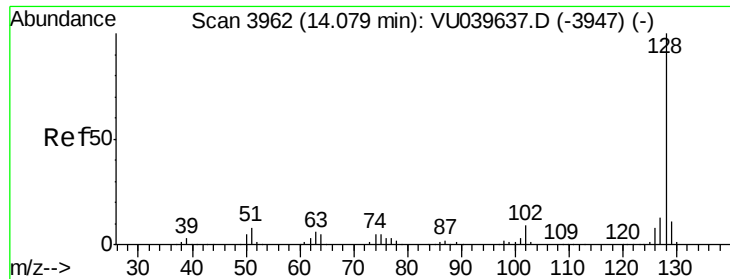
#68
 1,2,4-trichlorobenzene
 Concen: 50.474 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039654.D
 Acq: 23 Jul 2020 22:22

Tgt Ion:180 Resp: 92742
 Ion Ratio Lower Upper
 180 100
 182 93.6 74.4 111.6
 145 31.8 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): V
 80000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 57.583 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

Instrument :

MSVOA_U

ClientSampled :

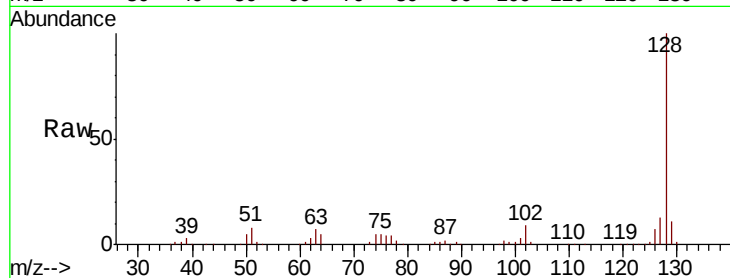
Tot Ion:128 Resp: 317401

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

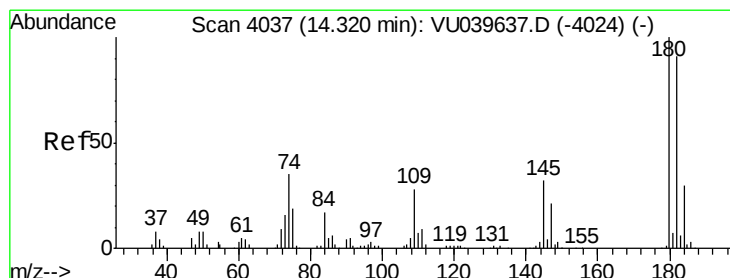
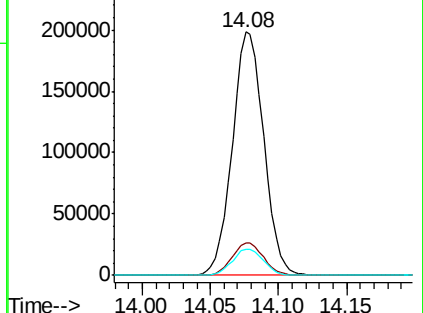
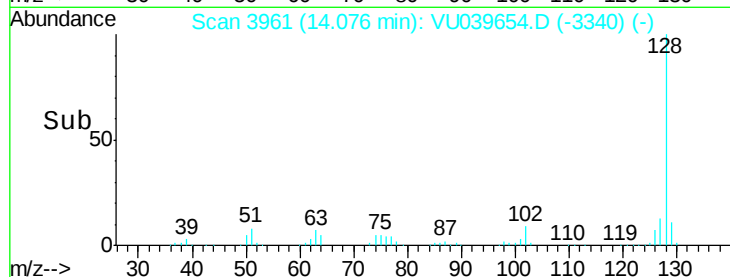
129 10.8 8.8 13.2



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: 52.310 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039654.D

Acq: 23 Jul 2020 22:22

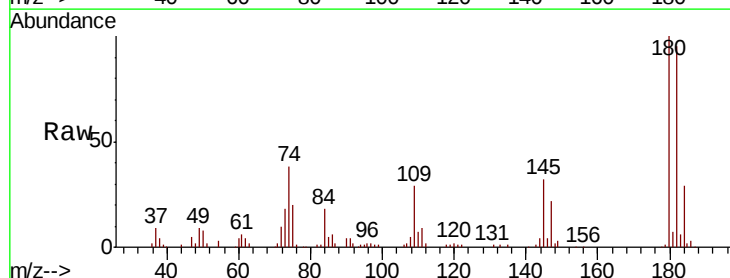
Tgt Ion:180 Resp: 97097

Ion Ratio Lower Upper

180 100

182 94.1 76.6 114.8

145 33.2 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

