

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080720\
 Data File : VU039797.D
 Acq On : 07 Aug 2020 20:30
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 08 03:35:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 08 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	77567	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	75564	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	39978	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15922	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.92	69	18663	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.58	63	35396	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.00%
20) 2-Butanone-d5	4.65	46	91997	49.94	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.88%
24) Chloroform-d	5.08	84	48053	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.72	65	27887	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.75	84	78938	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.70	67	27543	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.91	98	65279	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	8.19	79	10163	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.64	63	64884	50.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.58%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	27921	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	31127	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	29757	4.757	ug/L	97
3) Chloromethane	1.53	50	30909	4.699	ug/L	97
5) Vinyl chloride	1.61	62	32116	5.092	ug/L	98
6) Bromomethane	1.86	94	15999	4.009	ug/L	99
8) Chloroethane	1.94	64	22109	4.781	ug/L	99
9) Trichlorofluoromethane	2.15	101	50235	5.122	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	27622	5.190	ug/L	97
12) 1,1-Dichloroethene	2.59	96	23451	5.068	ug/L	92
13) Acetone	2.66	43	45833	42.202	ug/L	94
14) Carbon disulfide	2.81	76	70770	4.892	ug/L	97
15) Methyl Acetate	2.97	43	11914	4.448	ug/L #	76
16) Methylene chloride	3.06	84	29117	3.903	ug/L	92
17) Methyl tert-butyl Ether	3.38	73	59891	4.875	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	25757	5.000	ug/L	93
19) 1,1-Dichloroethane	3.89	63	47925	5.039	ug/L	95
21) 2-Butanone	4.73	43	80065	46.780	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	28484	5.084	ug/L	100

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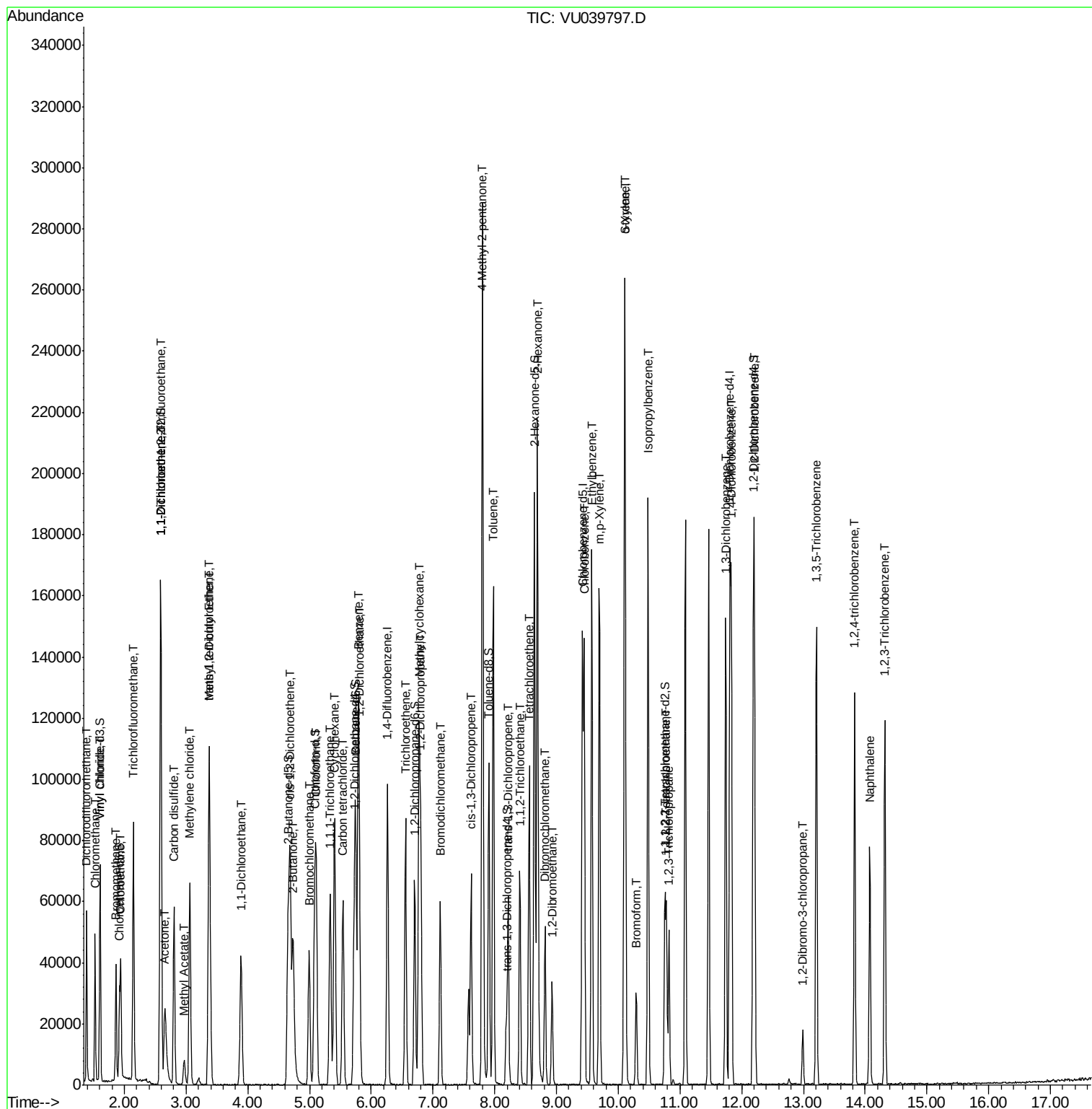
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	13088	4.973	ug/L	90
25) Chloroform	5.11	83	51867	5.074	ug/L	95
27) 1,2-Dichloroethane	5.81	62	34278	4.865	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	42795	5.077	ug/L	99
30) Cyclohexane	5.40	56	41464	5.112	ug/L	95
31) Carbon tetrachloride	5.54	117	39528	5.111	ug/L	99
33) Benzene	5.79	78	104418	5.072	ug/L	100
34) Trichloroethene	6.55	95	27261	5.098	ug/L	95
35) Methylcyclohexane	6.77	83	40971	4.801	ug/L	95
37) 1,2-Dichloropropane	6.80	63	27079	4.952	ug/L	99
38) Bromodichloromethane	7.12	83	35134	4.911	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	35282	4.731	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	192130	47.017	ug/L	99
42) Toluene	7.98	91	111756	5.165	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	30558	4.548	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	20501	4.984	ug/L	91
47) Tetrachloroethene	8.56	164	21126	4.790	ug/L	95
48) 2-Hexanone	8.69	43	140342	47.560	ug/L	98
49) Dibromochloromethane	8.82	129	24194	4.793	ug/L	95
50) 1,2-Dibromoethane	8.93	107	19572	4.853	ug/L	97
51) Chlorobenzene	9.45	112	71221	4.899	ug/L	96
52) Ethylbenzene	9.57	91	116332	4.804	ug/L	100
53) m,p-Xylene	9.69	106	46394	5.031	ug/L	95
54) o-Xylene	10.10	106	43317	4.797	ug/L	90
55) Styrene	10.11	104	77419	5.092	ug/L	97
56) Isopropylbenzene	10.48	105	115963	4.805	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	25830	4.565	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	18488	4.687	ug/L	92
61) Bromoform	10.29	173	12855	4.759	ug/L	91
62) 1,3-Dichlorobenzene	11.74	146	57755	4.936	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	59328	4.810	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	56010	4.859	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	3953	4.536	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	42087	4.746	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	35106	4.724	ug/L	96
69) Naphthalene	14.08	128	60755	4.573	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	32357	4.853	ug/L	99

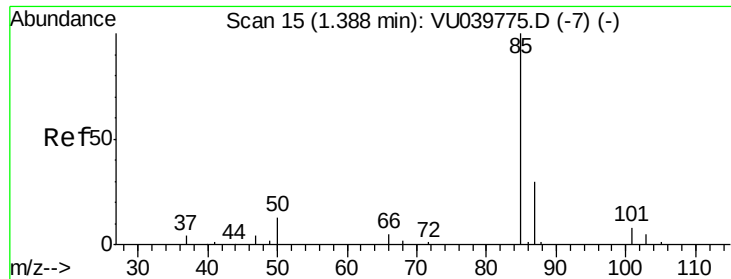
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU039797.D  
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Operator  : SY/MD  
Sample    : VSTDCCC005EC  
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ALS Vial  : 25      Sample Multiplier: 1
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#2

Dichlorodifluoromethane

Concen: 4.757 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

Instrument :

MSVOA_U

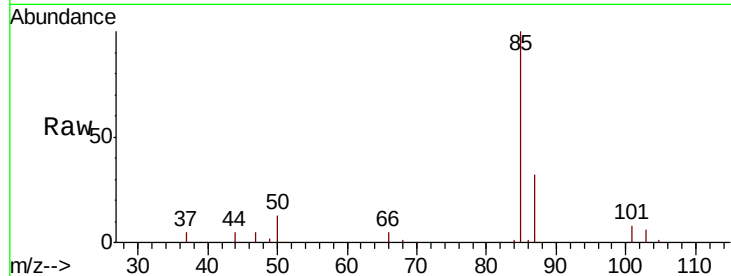
ClientSampleId :

Tot Ion: 85 Resp: 29757

Ion Ratio Lower Upper

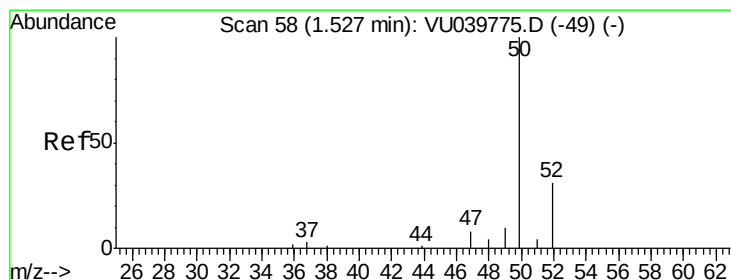
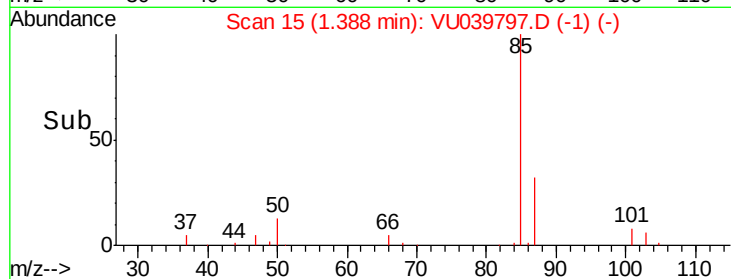
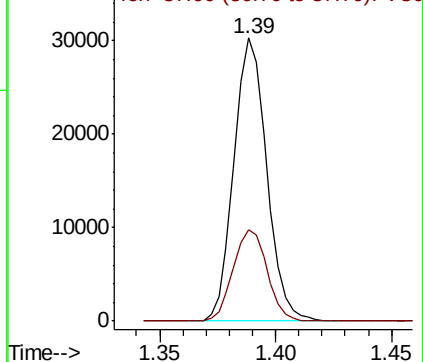
85 100

87 33.2 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.699 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039797.D

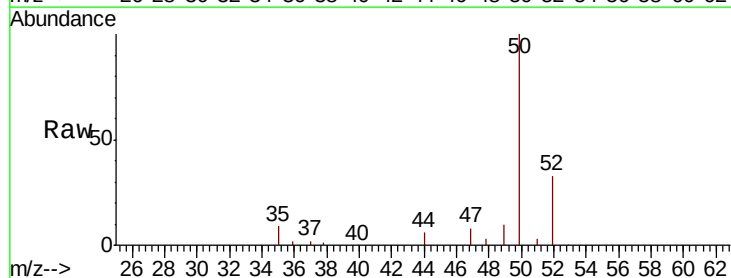
Acq: 07 Aug 2020 20:30

Tgt Ion: 50 Resp: 30909

Ion Ratio Lower Upper

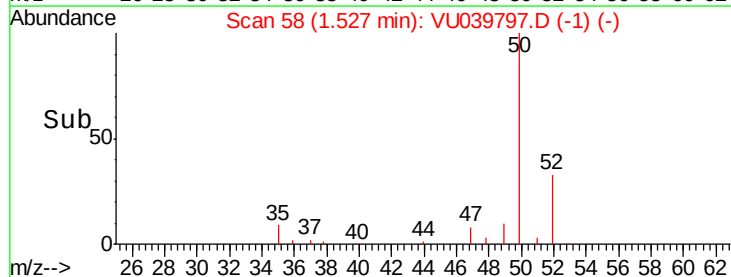
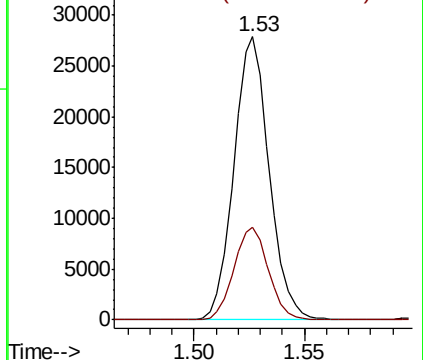
50 100

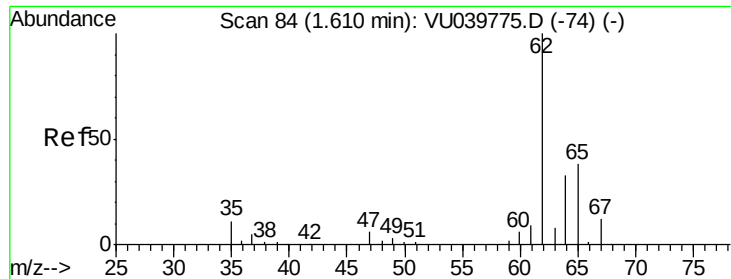
52 32.7 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.092 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

Instrument :

MSVOA_U

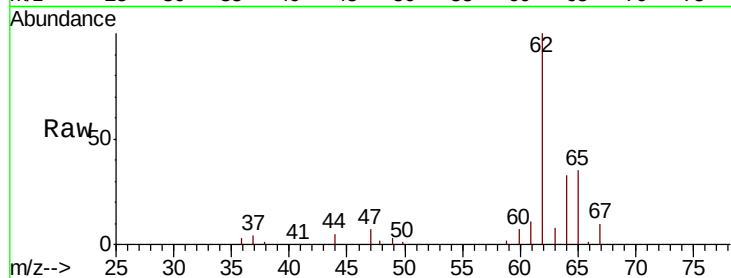
ClientSampleId :

Tot Ion: 62 Resp: 32116

Ion Ratio Lower Upper

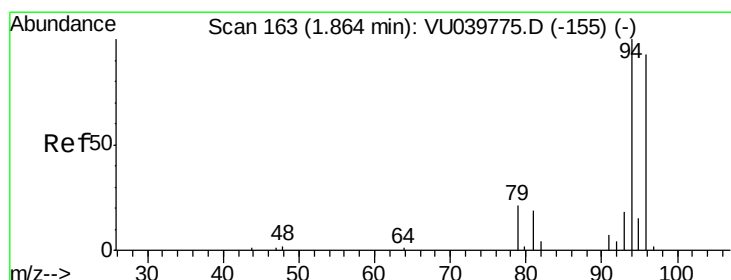
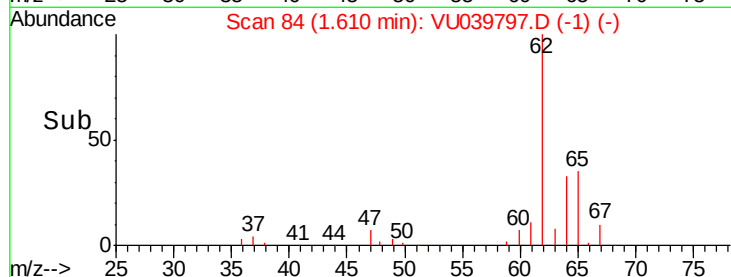
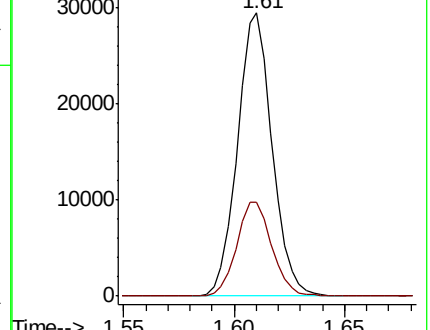
62 100

64 33.3 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039797.D (-74) (-)

Ion 64.10 (63.80 to 64.80): VU039797.D (-74) (-)



#6

Bromomethane

Concen: 4.009 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039797.D

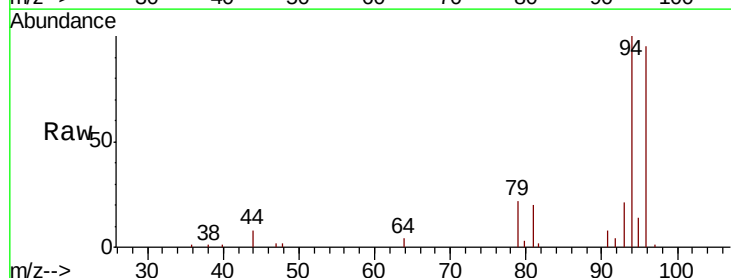
Acq: 07 Aug 2020 20:30

Tgt Ion: 94 Resp: 15999

Ion Ratio Lower Upper

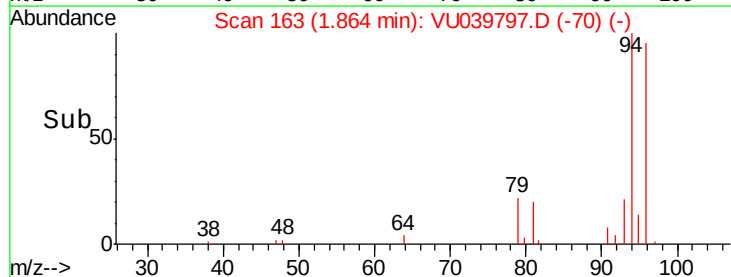
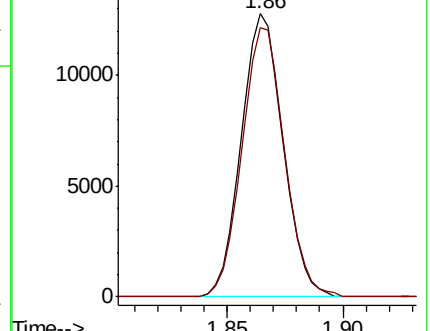
94 100

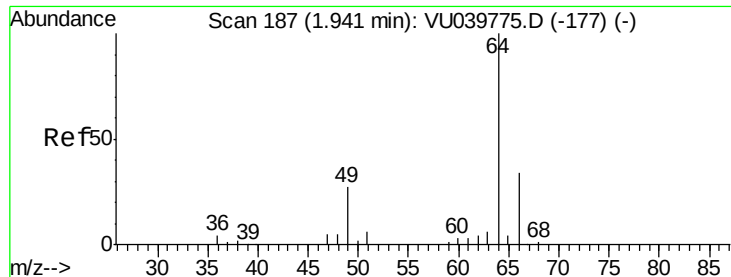
96 95.3 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU039797.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039797.D (-155) (-)

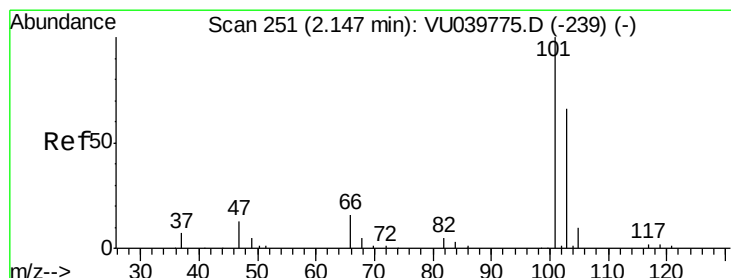
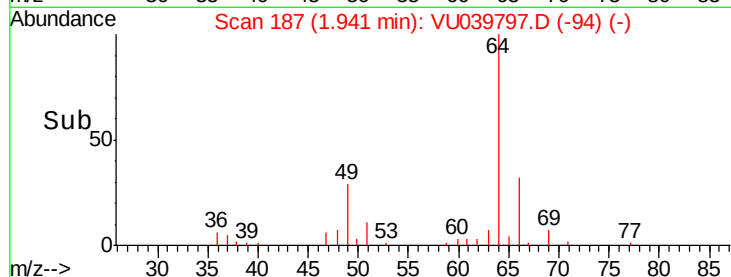
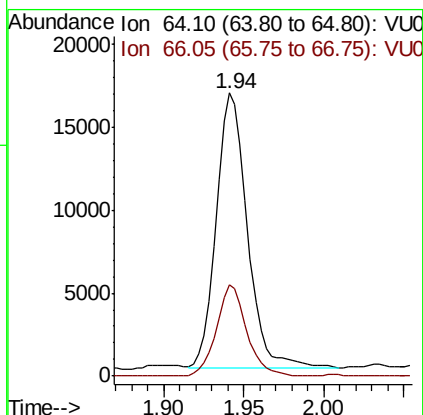
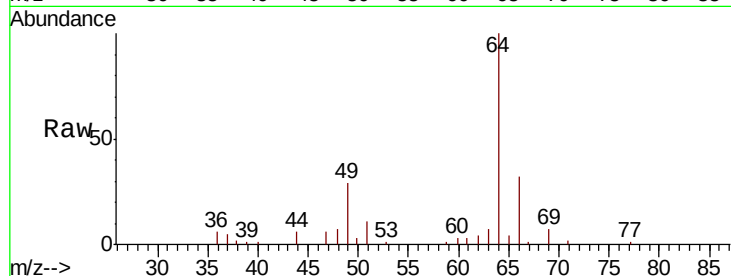




#8
Chloroethane
Concen: 4.781 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU039797.D
Acq: 07 Aug 2020 20:30

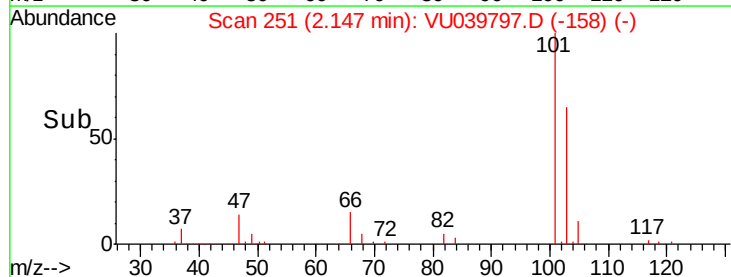
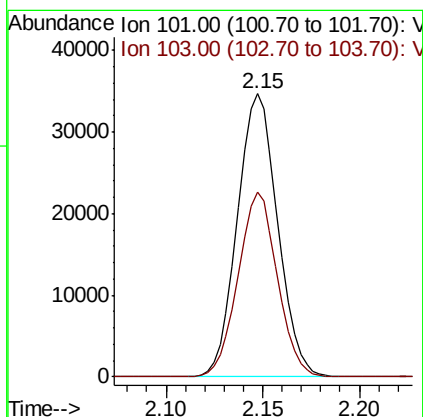
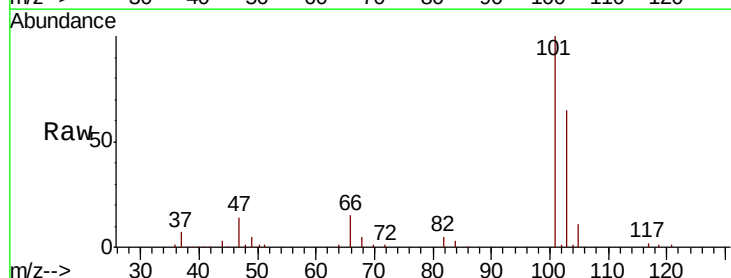
Instrument :
MSVOA_U
ClientSampleId :

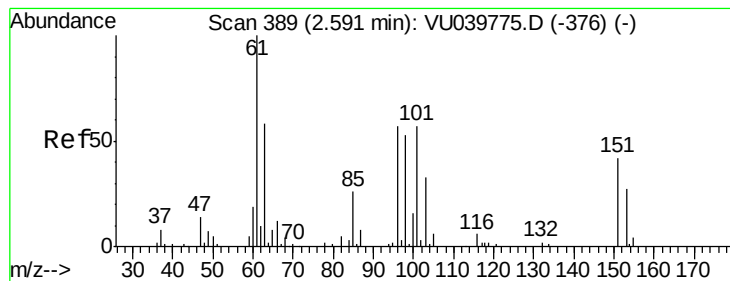
Tot Ion: 64 Resp: 22109
Ion Ratio Lower Upper
64 100
66 32.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 5.122 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039797.D
Acq: 07 Aug 2020 20:30

Tgt Ion:101 Resp: 50235
Ion Ratio Lower Upper
101 100
103 63.5 51.4 77.2





#10

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

Concen: 5.190 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

Instrument :

MSVOA_U

ClientSampleId :

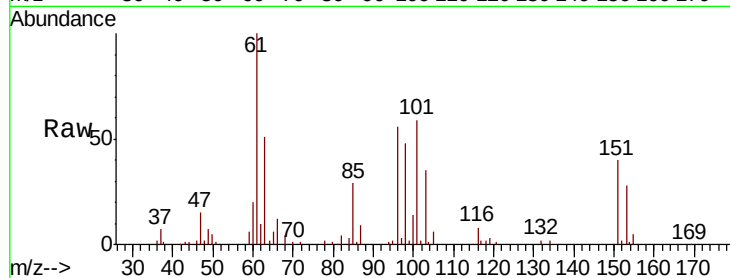
Tot Ion:101 Resp: 27622

Ion Ratio Lower Upper

101 100

85 45.7 37.9 56.9

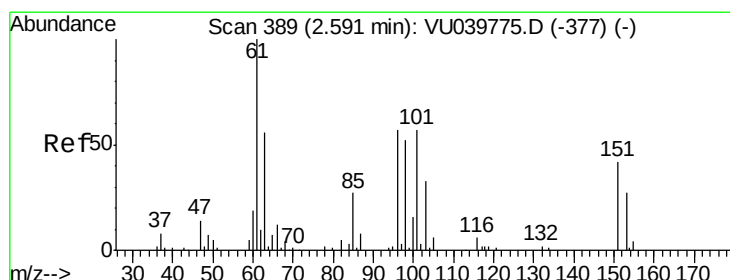
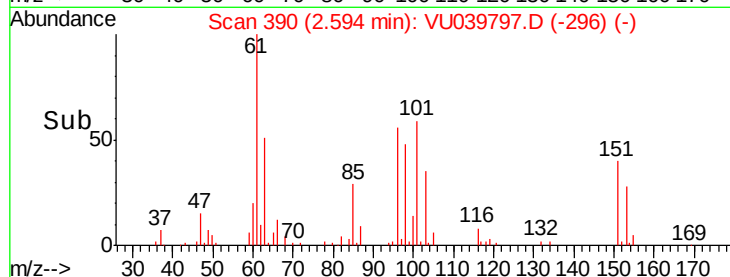
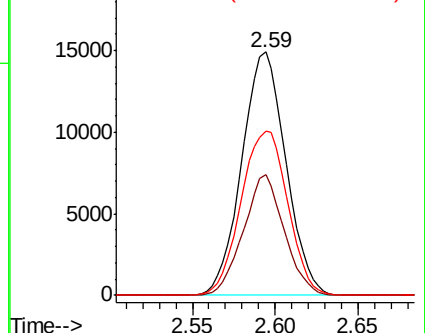
151 71.7 54.7 82.1



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: 5.068 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

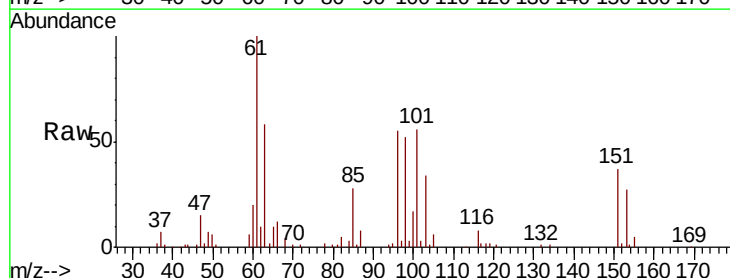
Tgt Ion: 96 Resp: 23451

Ion Ratio Lower Upper

96 100

61 182.0 121.7 225.9

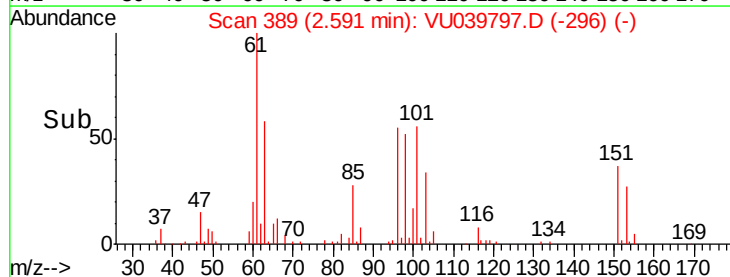
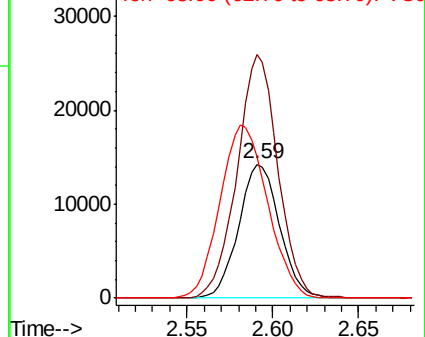
63 105.3 82.1 152.5

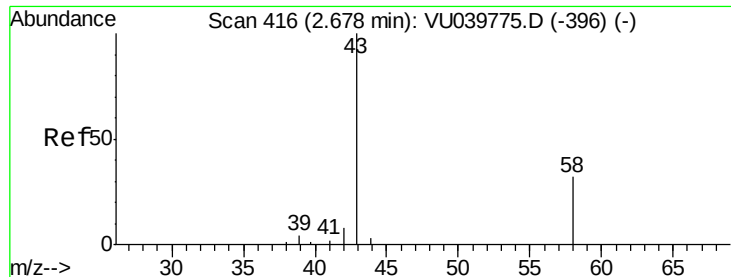


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 42.202 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

Instrument :

MSVOA_U

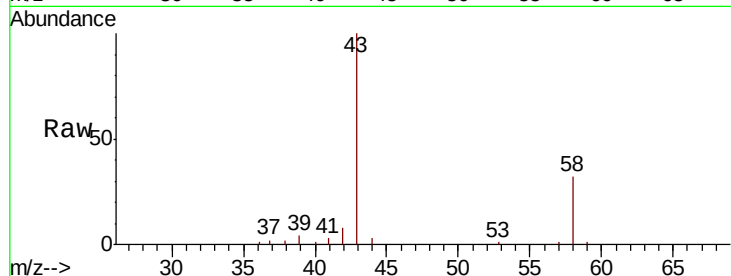
ClientSampleId :

Tot Ion: 43 Resp: 45833

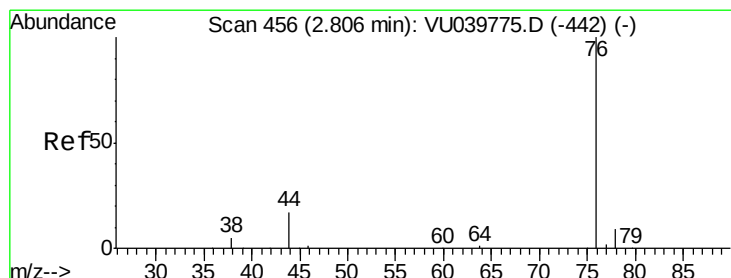
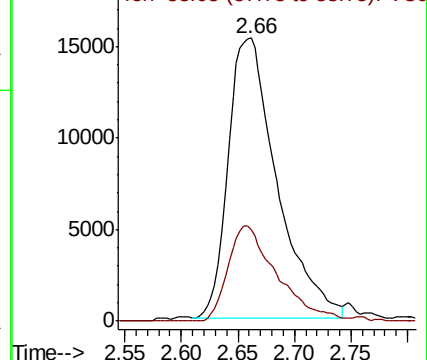
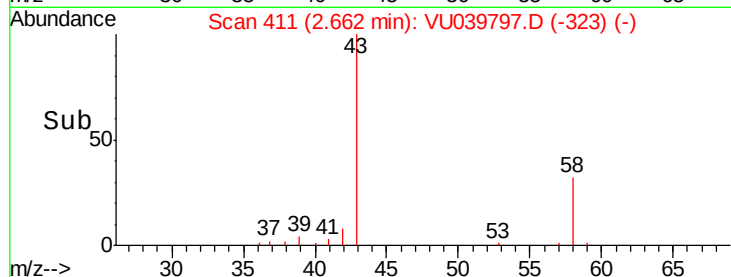
Ion Ratio Lower Upper

43 100

58 34.0 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039797.D (-323) (-)



#14

Carbon disulfide

Concen: 4.892 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039797.D

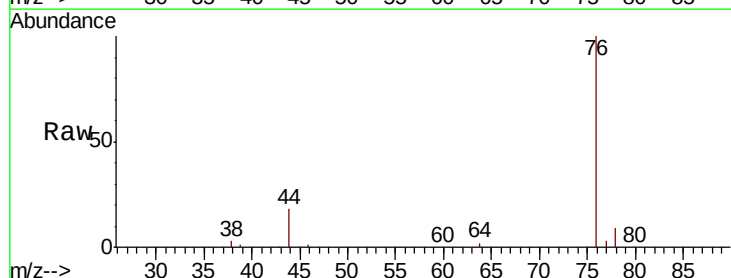
Acq: 07 Aug 2020 20:30

Tgt Ion: 76 Resp: 70770

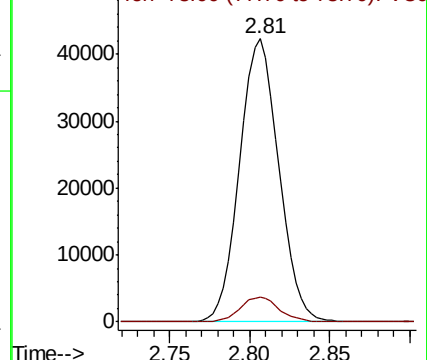
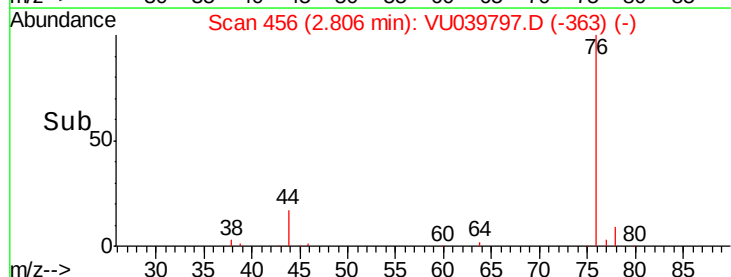
Ion Ratio Lower Upper

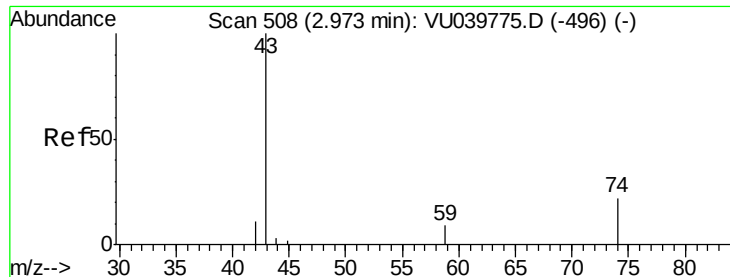
76 100

78 8.7 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039797.D (-363) (-)

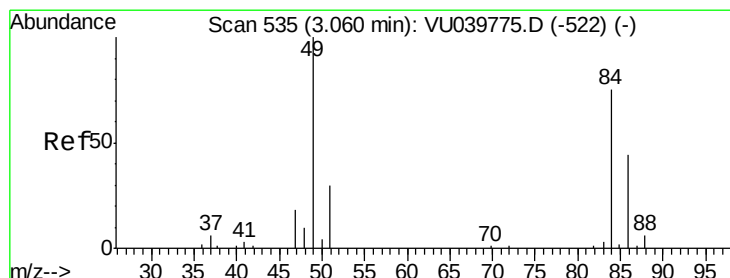
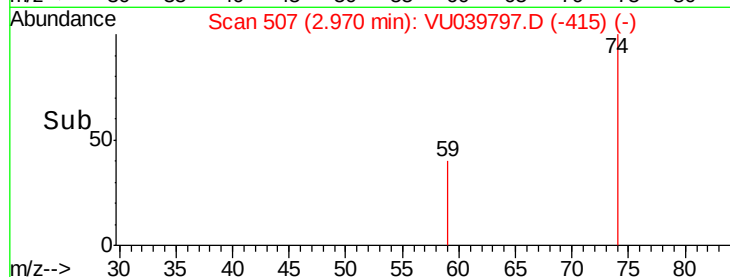
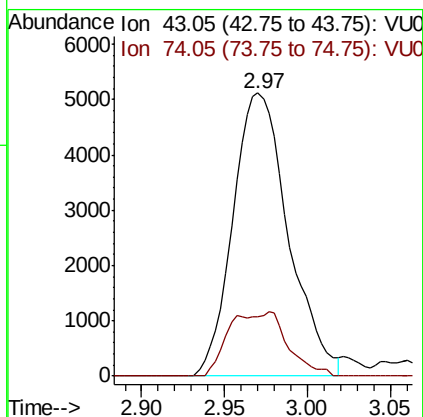
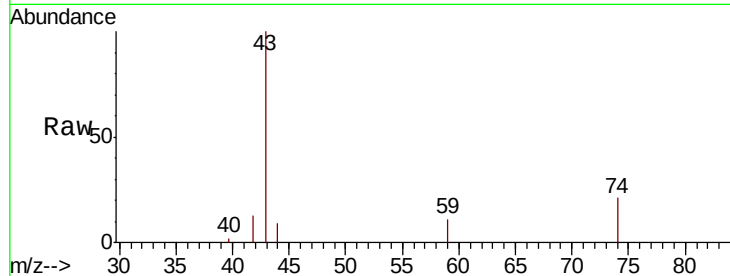




#15
Methvl Acetate
Concen: 4.448 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU039797.D
Acq: 07 Aug 2020 20:30

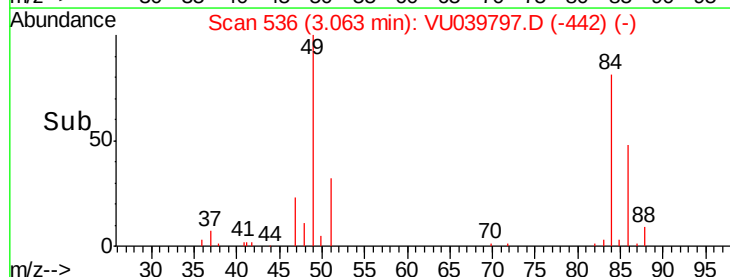
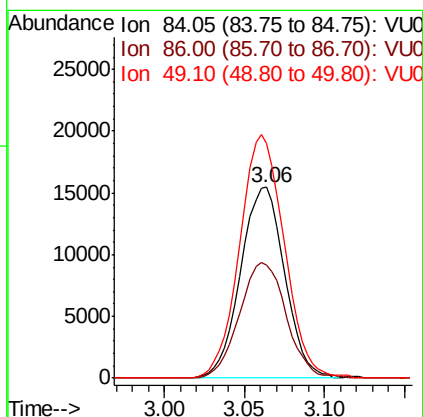
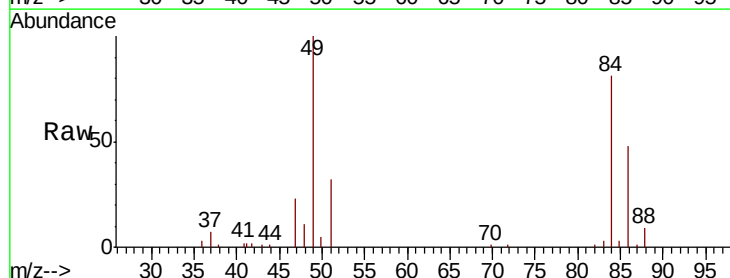
Instrument :
MSVOA_U
ClientSampleId :

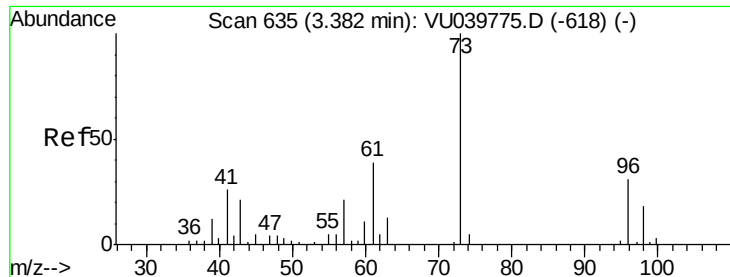
Tot Ion: 43 Resp: 11914
Ion Ratio Lower Upper
43 100
74 9.4 16.6 25.0#



#16
Methylene chloride
Concen: 3.903 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039797.D
Acq: 07 Aug 2020 20:30

Tgt Ion: 84 Resp: 29117
Ion Ratio Lower Upper
84 100
86 59.4 43.9 81.5
49 123.1 94.4 175.4

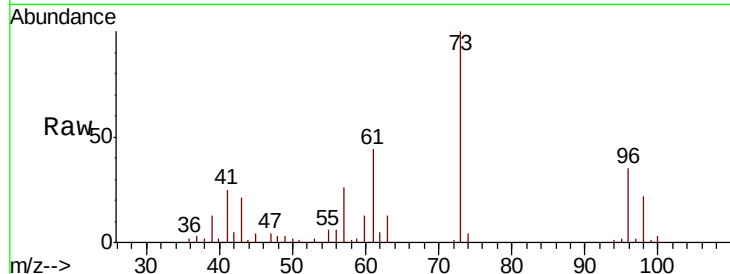




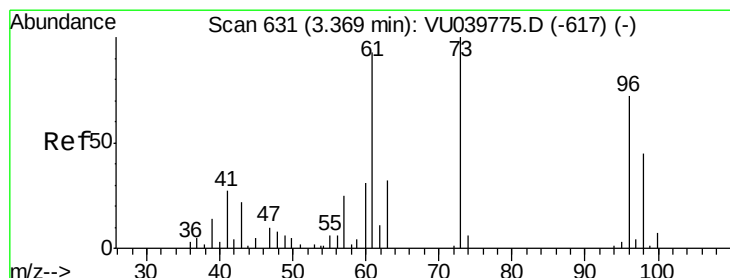
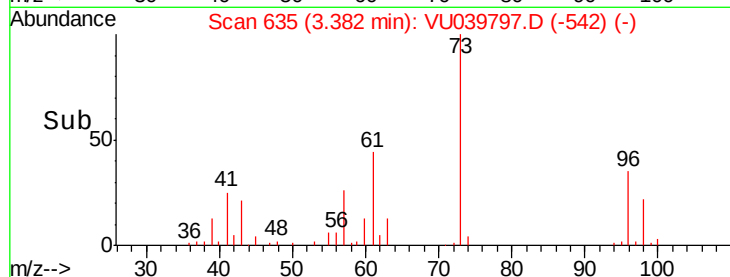
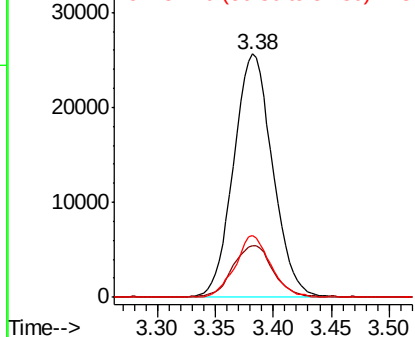
#17
Methyl tert-butyl Ether
Concen: 4.875 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039797.D
Acq: 07 Aug 2020 20:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 59891
Ion Ratio Lower Upper
73 100
43 22.2 18.2 27.4
57 23.2 17.8 26.8

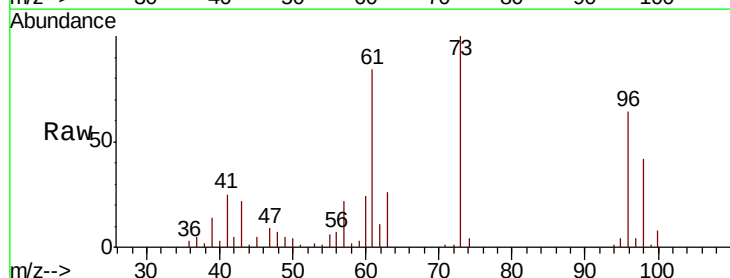


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

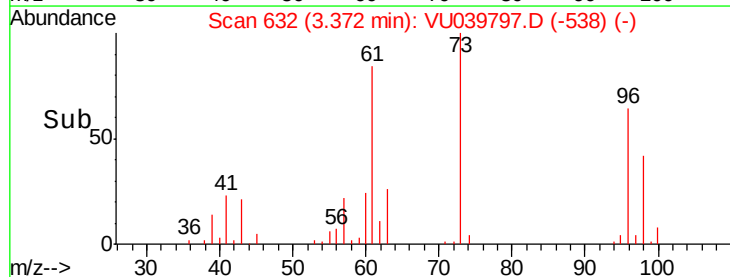
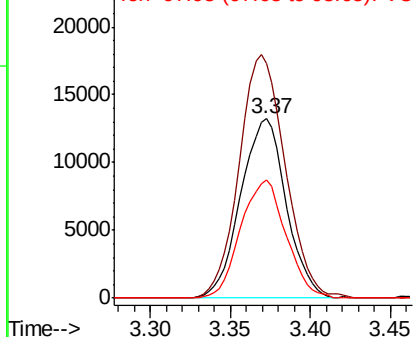


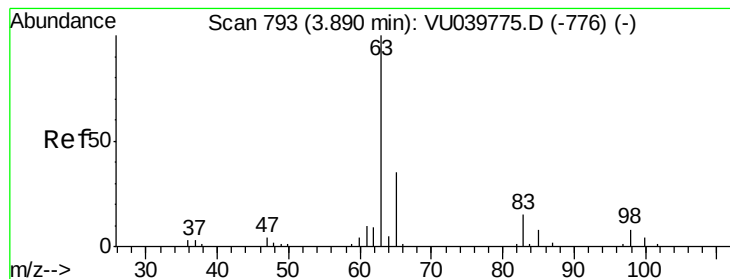
#18
trans-1,2-Dichloroethene
Concen: 5.000 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039797.D
Acq: 07 Aug 2020 20:30

Tgt Ion: 96 Resp: 25757
Ion Ratio Lower Upper
96 100
61 131.1 96.5 179.1
98 66.2 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 5.039 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

Instrument :
MSVOA_U
ClientSampled :

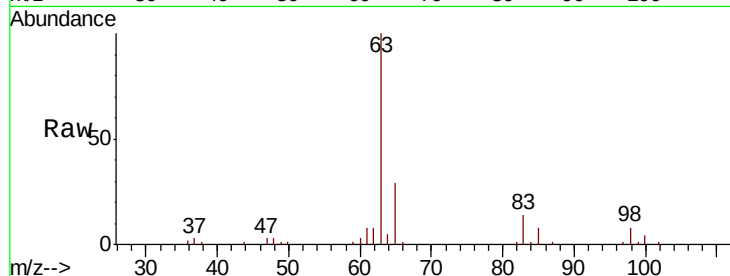
Tot Ion: 63 Resp: 47925

Ion Ratio Lower Upper

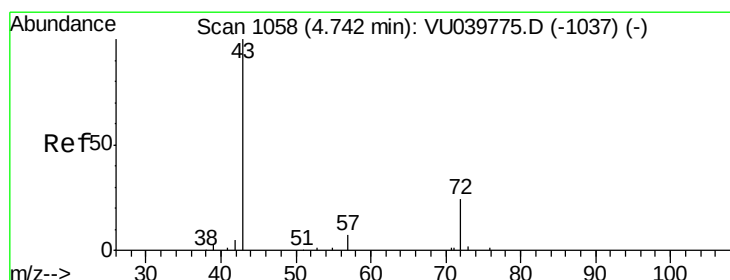
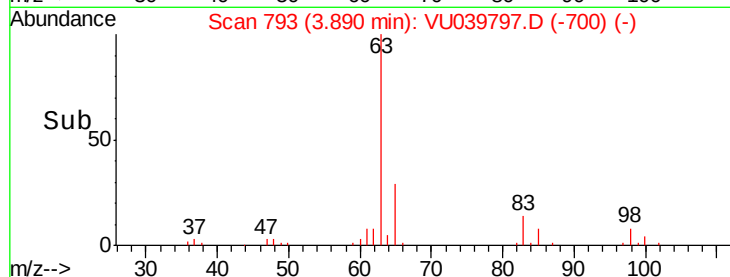
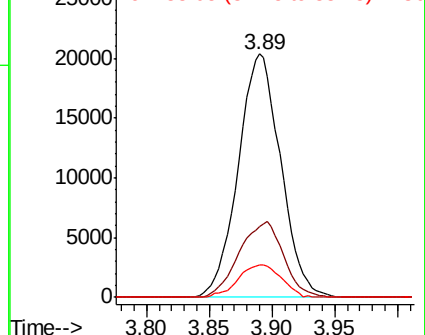
63 100

65 28.8 22.0 41.0

83 13.5 10.9 20.2



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 46.780 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VU039797.D

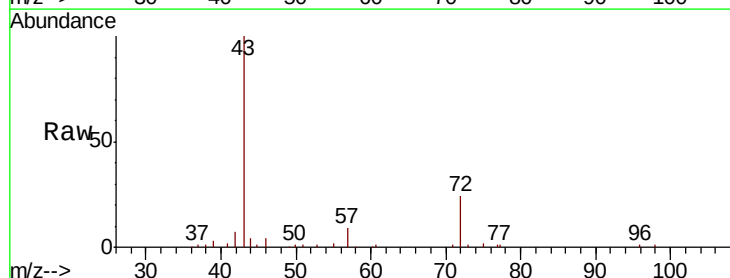
Acq: 07 Aug 2020 20:30

Tgt Ion: 43 Resp: 80065

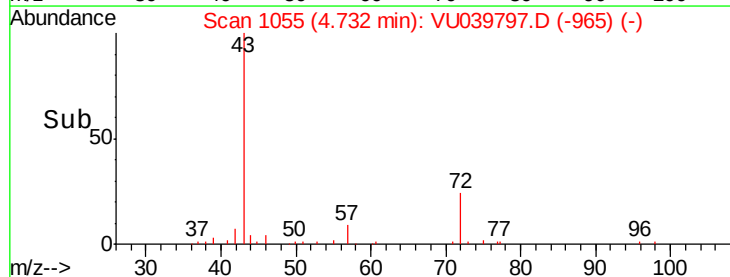
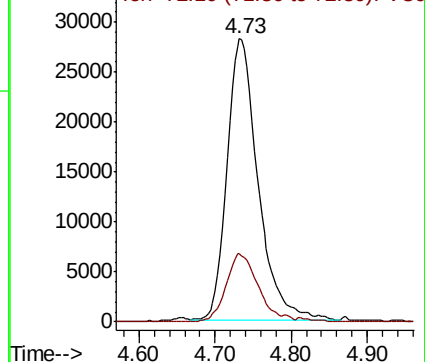
Ion Ratio Lower Upper

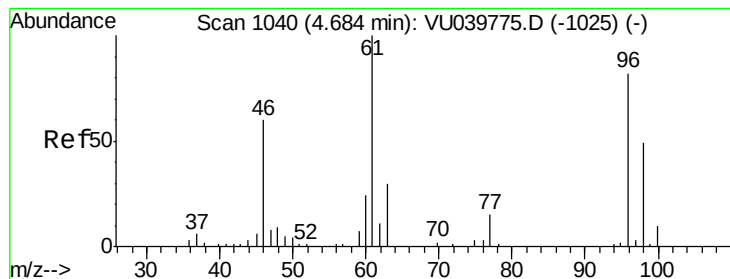
43 100

72 25.1 13.0 39.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.084 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

Instrument :

MSVOA_U

ClientSampleId :

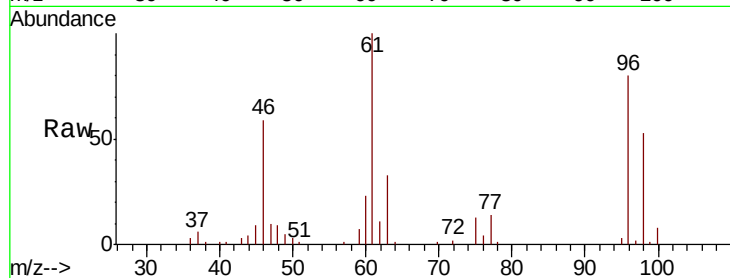
Tot Ion: 96 Resp: 28484

Ion Ratio Lower Upper

96 100

61 124.6 87.4 162.2

68 0.0 0.0 0.0

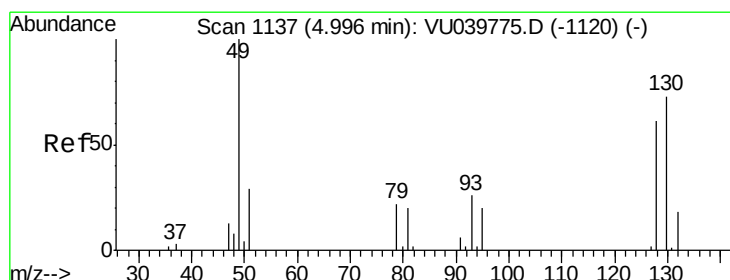
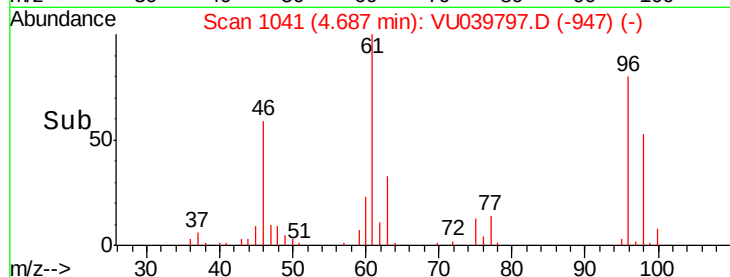
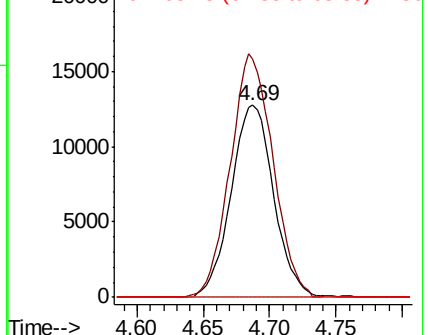


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.973 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

Tgt Ion:128 Resp: 13088

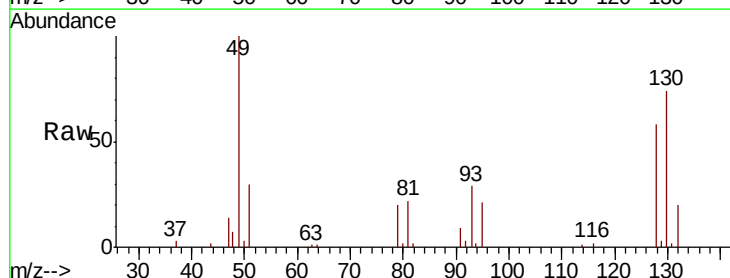
Ion Ratio Lower Upper

128 100

49 173.8 110.3 204.9

130 129.2 82.0 152.4

51 52.4 40.8 61.2



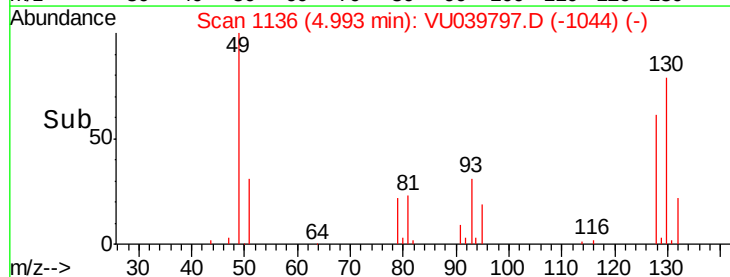
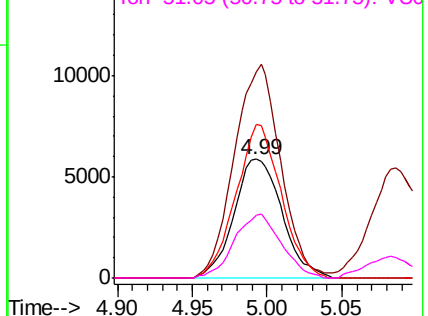
Abundance

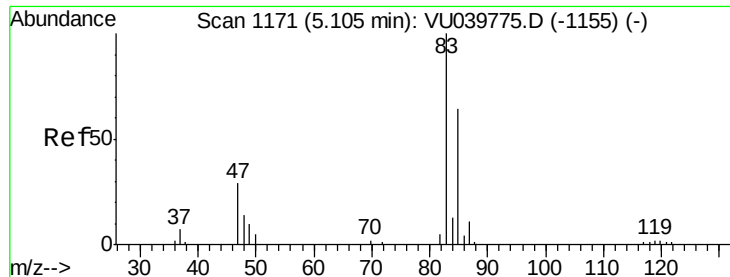
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

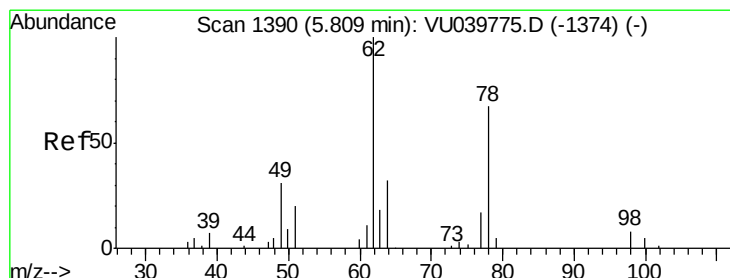
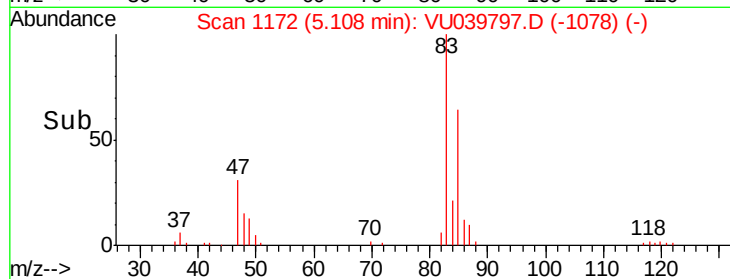
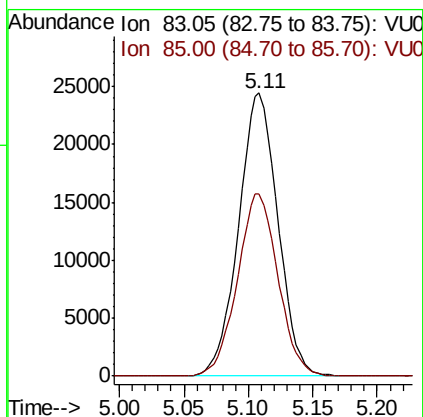
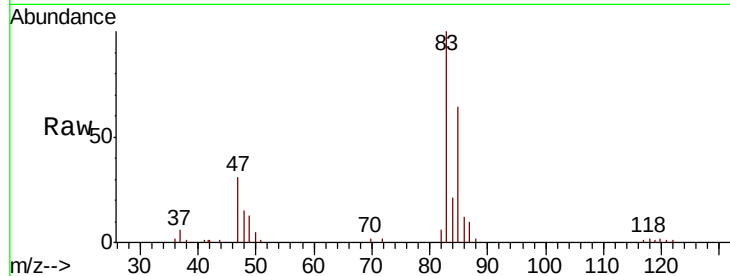




#25
Chloroform
Concen: 5.074 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039797.D
Acq: 07 Aug 2020 20:30

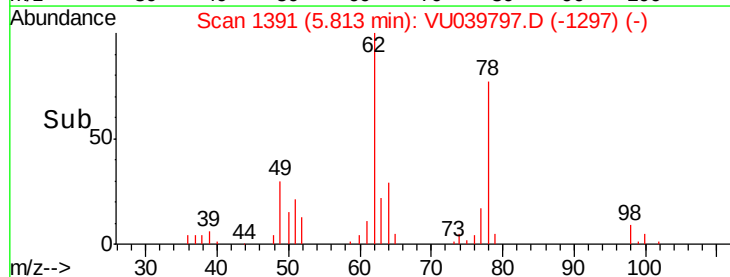
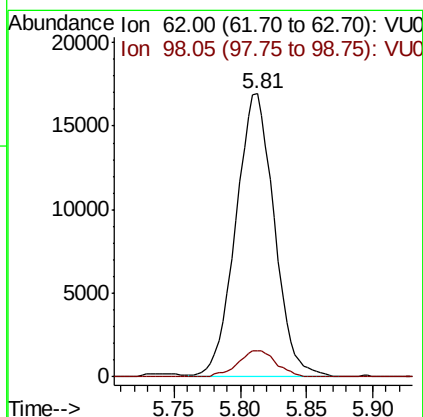
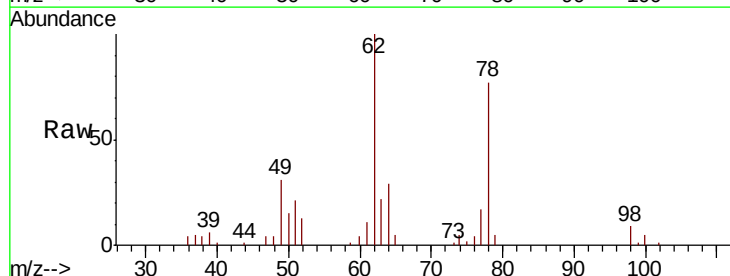
Instrument :
MSVOA_U
ClientSampled :

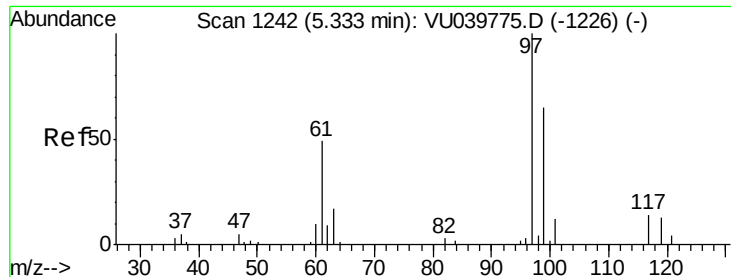
Tot Ion: 83 Resp: 51867
Ion Ratio Lower Upper
83 100
85 64.2 42.1 78.3



#27
1,2-Dichloroethane
Concen: 4.865 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039797.D
Acq: 07 Aug 2020 20:30

Tgt Ion: 62 Resp: 34278
Ion Ratio Lower Upper
62 100
98 9.4 7.3 10.9

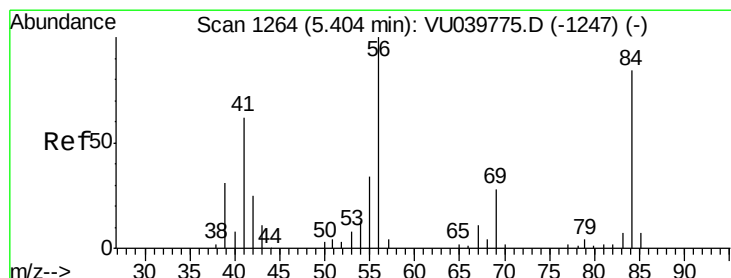
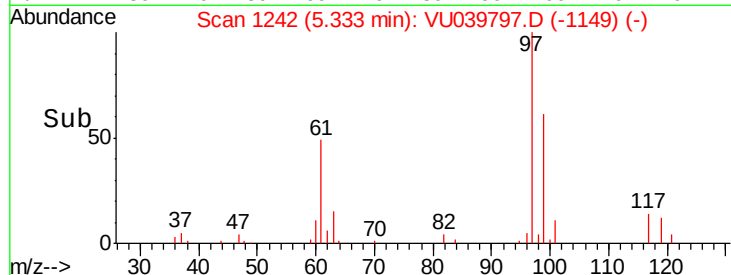
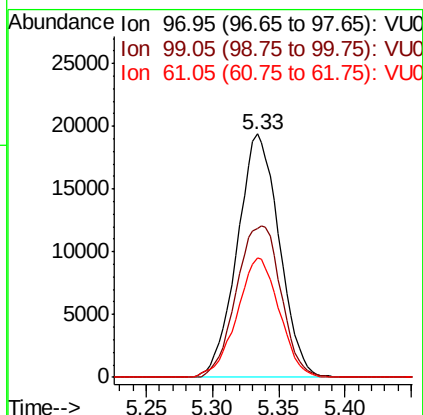
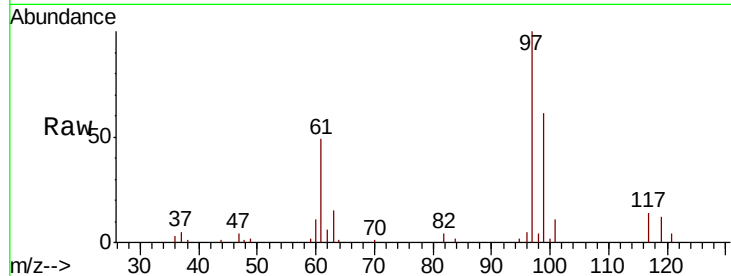




#29
 1,1,1-Trichloroethane
 Concen: 5.077 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU039797.D
 Acq: 07 Aug 2020 20:30

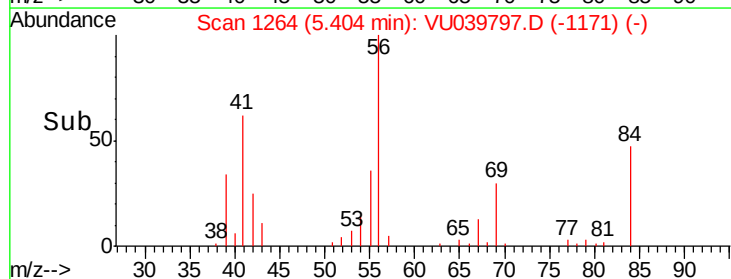
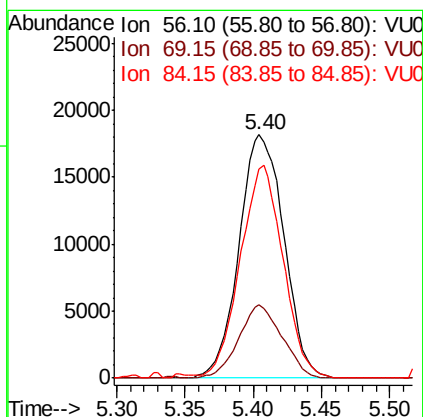
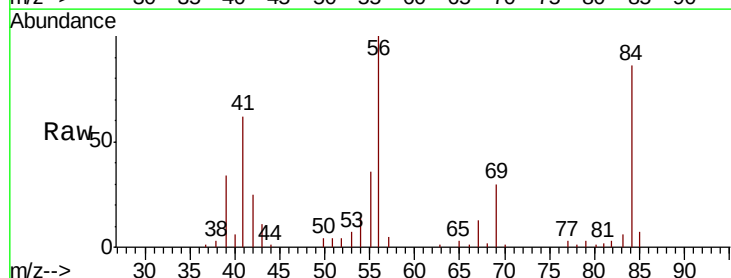
Instrument :
 MSVOA_U
 ClientSampleId :

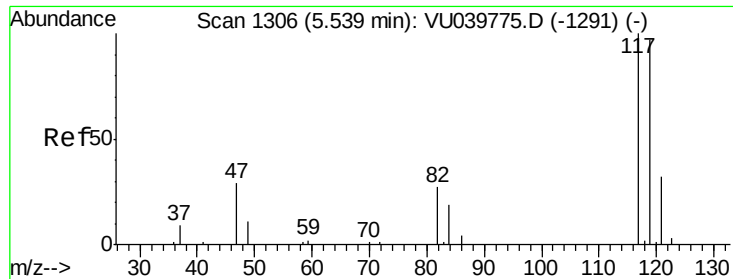
Tot Ion: 97 Resp: 42795
 Ion Ratio Lower Upper
 97 100
 99 66.1 52.8 79.2
 61 49.3 40.5 60.7



#30
 Cyclohexane
 Concen: 5.112 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU039797.D
 Acq: 07 Aug 2020 20:30

Tgt Ion: 56 Resp: 41464
 Ion Ratio Lower Upper
 56 100
 69 29.2 24.4 36.6
 84 83.5 71.3 106.9





#31

Carbon tetrachloride

Concen: 5.111 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

Instrument :

MSVOA_U

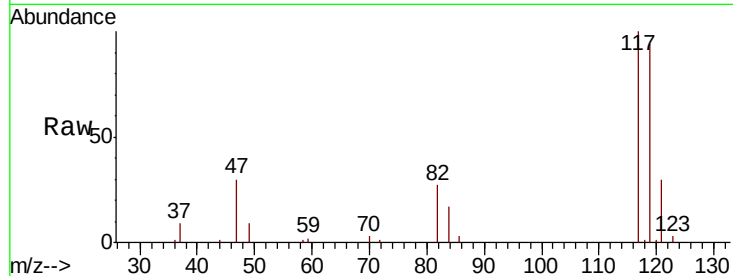
ClientSampleId :

Tot Ion:117 Resp: 39528

Ion Ratio Lower Upper

117 100

119 93.4 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

20000

15000

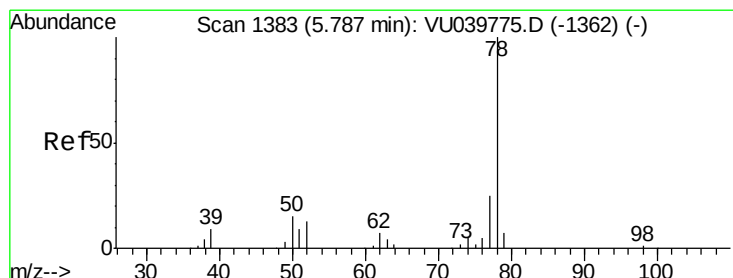
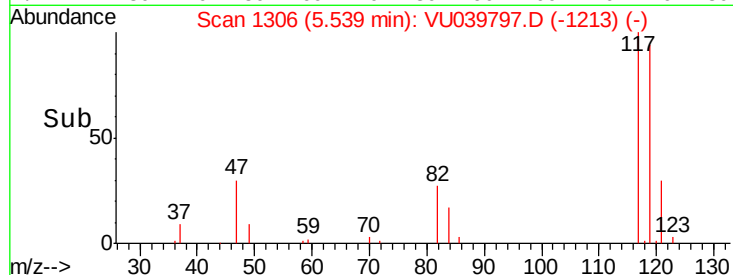
10000

5000

0

Time-->

5.45 5.50 5.55 5.60



#33

Benzene

Concen: 5.072 ug/L

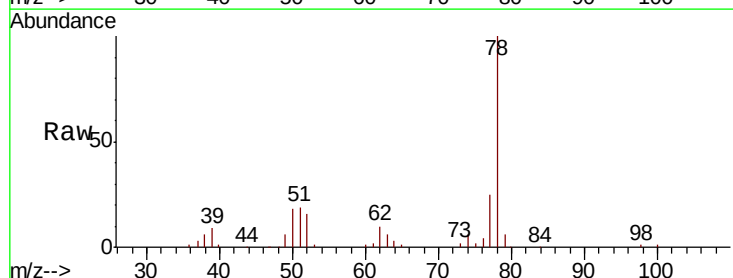
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

Tgt Ion: 78 Resp: 104418



Abundance Ion 78.10 (77.80 to 78.80): VU0

60000

50000

40000

30000

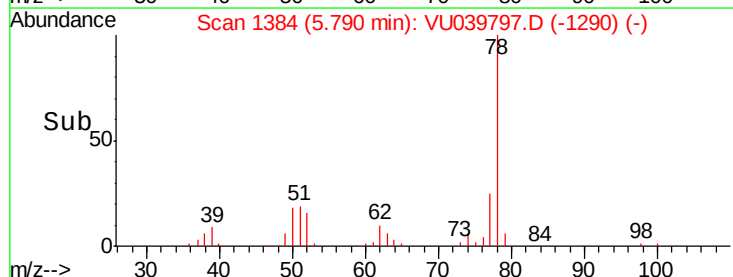
20000

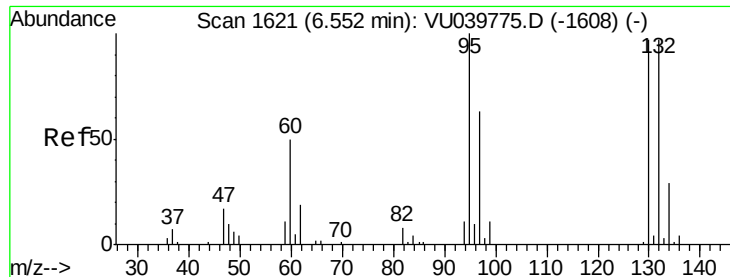
10000

0

Time-->

5.70 5.75 5.80 5.85 5.90





#34

Trichloroethene

Concen: 5.098 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 27261

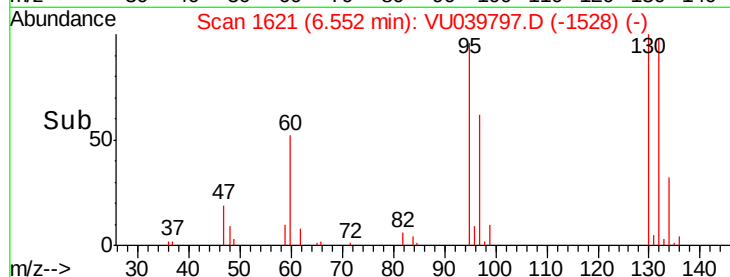
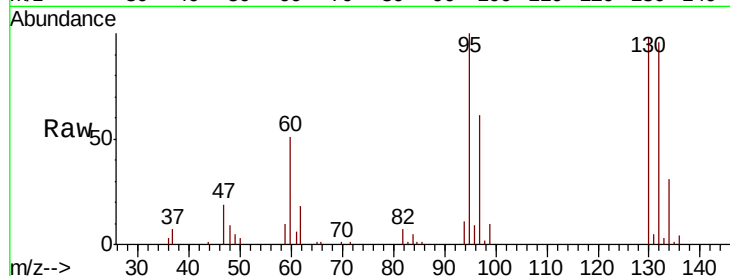
Ion Ratio Lower Upper

95 100

97 60.8 44.0 81.8

132 95.6 71.7 133.3

130 97.7 71.1 132.1

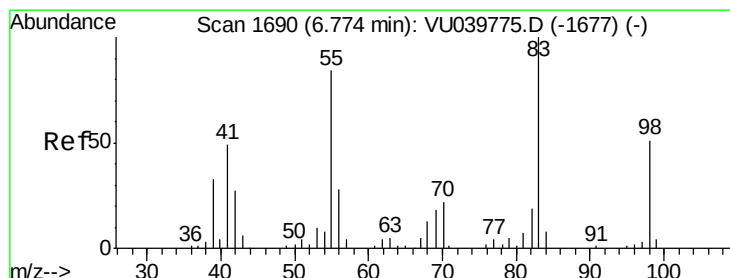
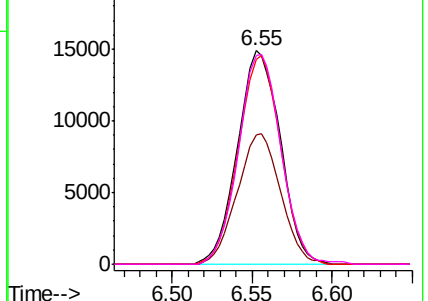


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.801 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

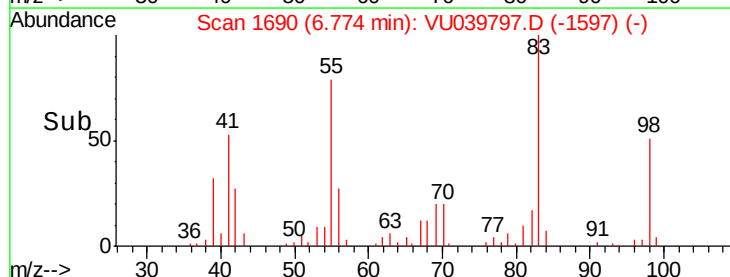
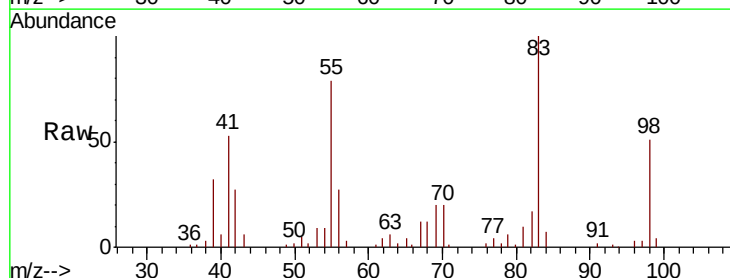
Tgt Ion: 83 Resp: 40971

Ion Ratio Lower Upper

83 100

55 80.0 59.4 89.0

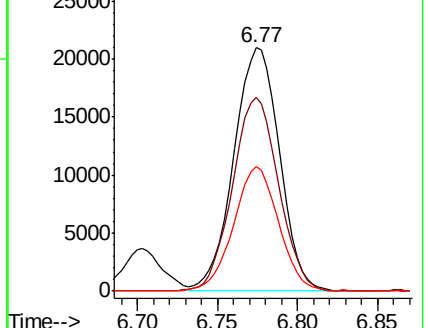
98 50.2 39.0 58.4

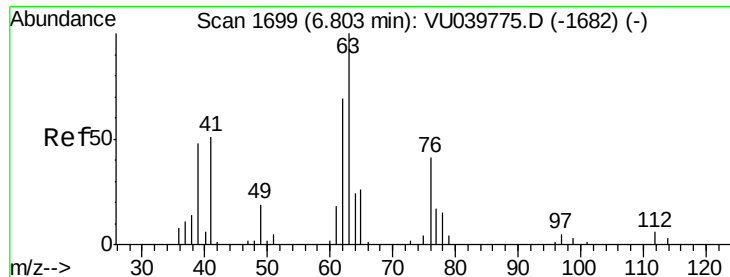


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

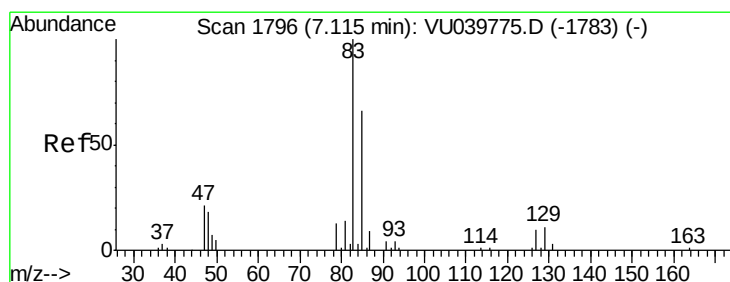
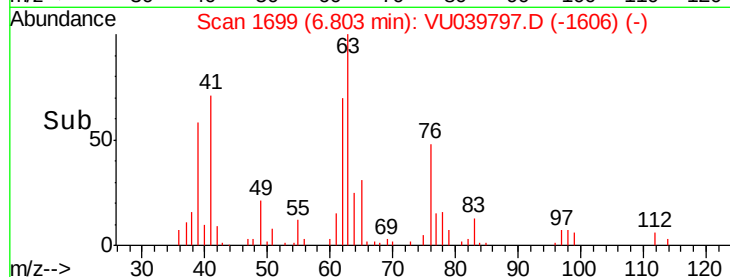
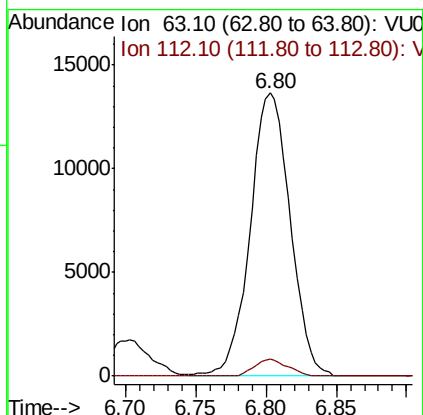
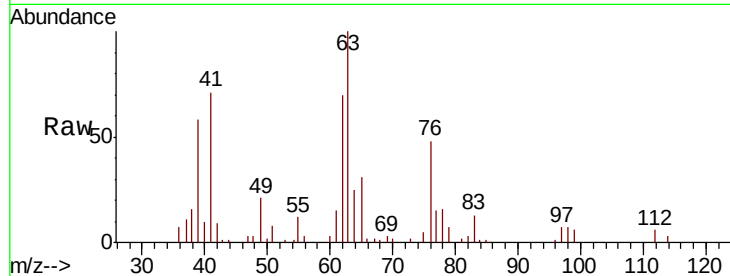




#37
 1,2-Dichloropropane
 Concen: 4.952 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039797.D
 Acq: 07 Aug 2020 20:30

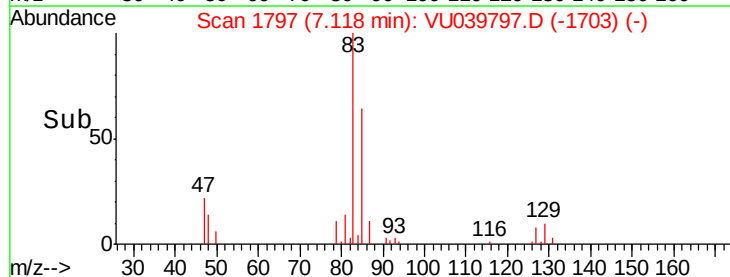
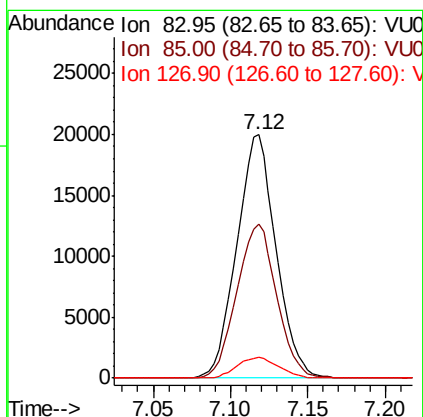
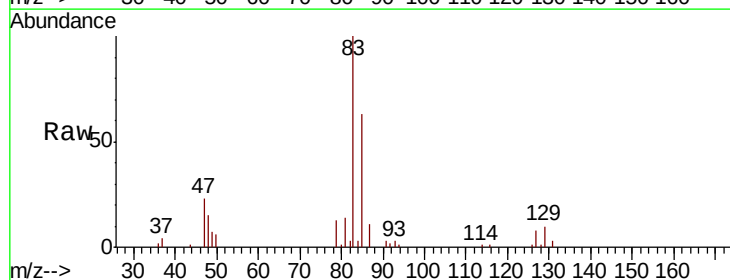
Instrument :
 MSVOA_U
 ClientSampleId :

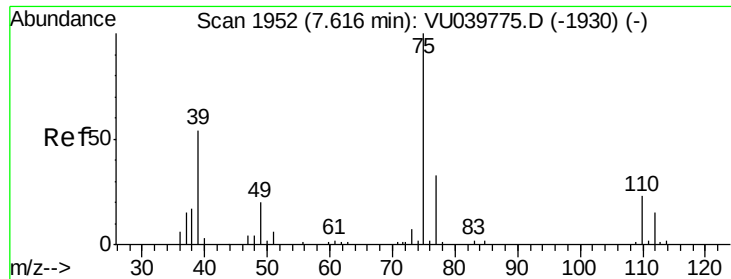
Tot Ion: 63 Resp: 27079
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.911 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039797.D
 Acq: 07 Aug 2020 20:30

Tgt Ion: 83 Resp: 35134
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.3 84.1
 127 8.3 7.5 11.3

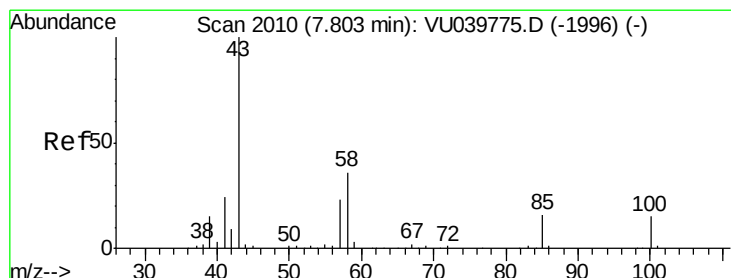
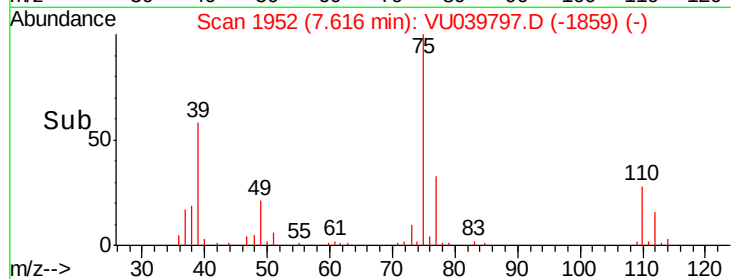
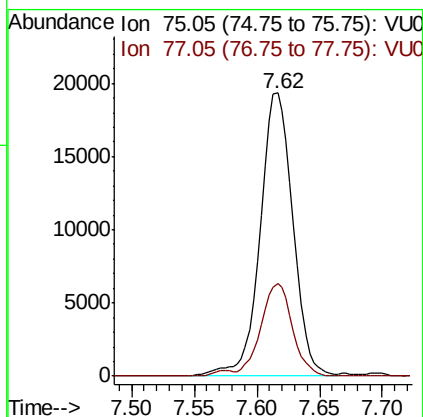
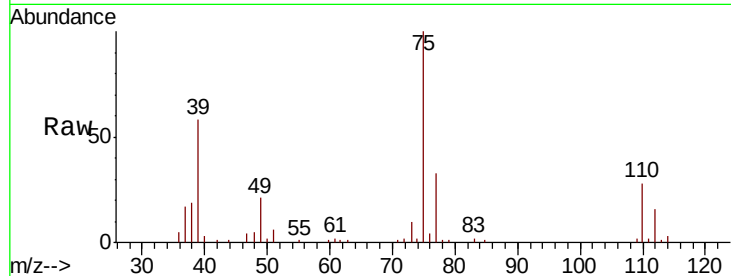




#39
 cis-1,3-Dichloropropene
 Concen: 4.731 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039797.D
 Acq: 07 Aug 2020 20:30

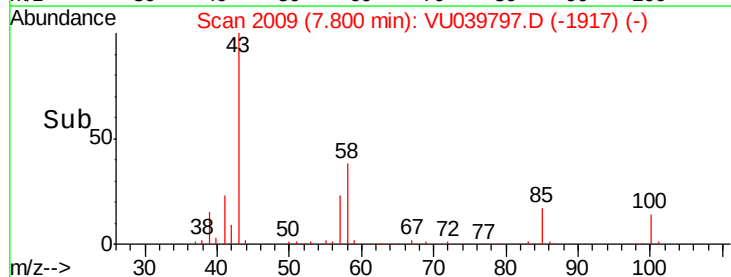
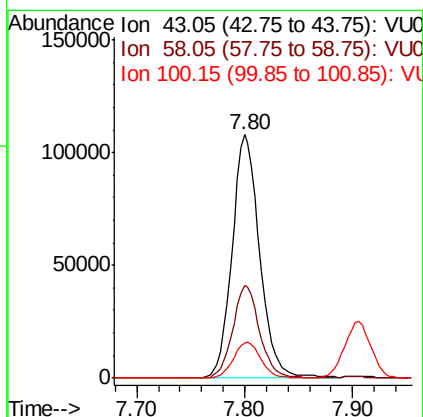
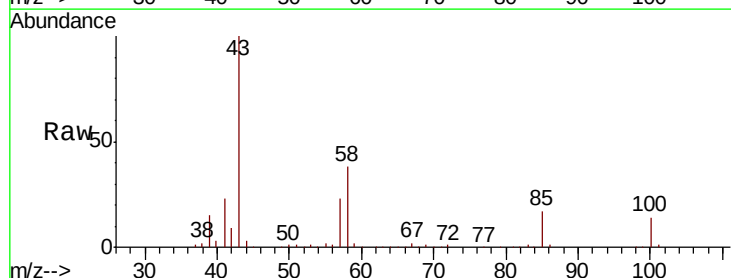
Instrument :
 MSVOA_U
 ClientSampled :

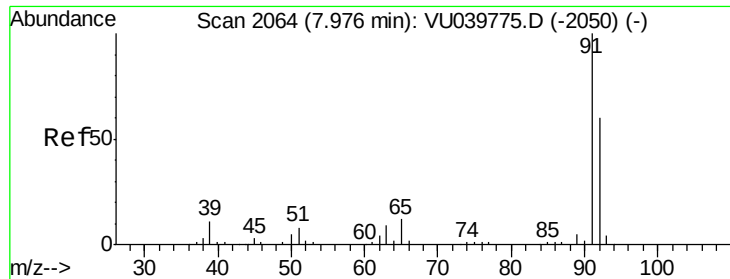
Tot Ion: 75 Resp: 35282
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 47.017 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU039797.D
 Acq: 07 Aug 2020 20:30

Tgt Ion: 43 Resp: 192130
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.4 44.2
 100 14.7 11.7 17.5





#42

Toluene

Concen: 5.165 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

Instrument :

MSVOA_U

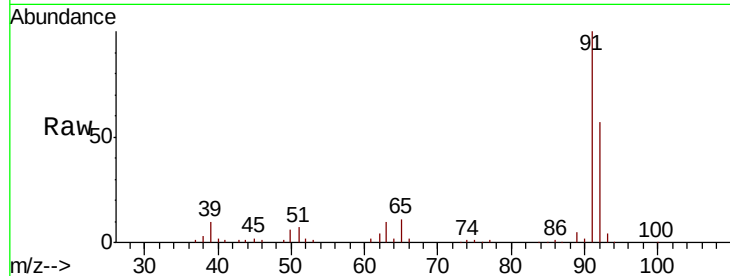
ClientSampleId :

Tot Ion: 91 Resp: 111756

Ion Ratio Lower Upper

91 100

92 57.4 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039775.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039775.D (-2050) (-)

7.98

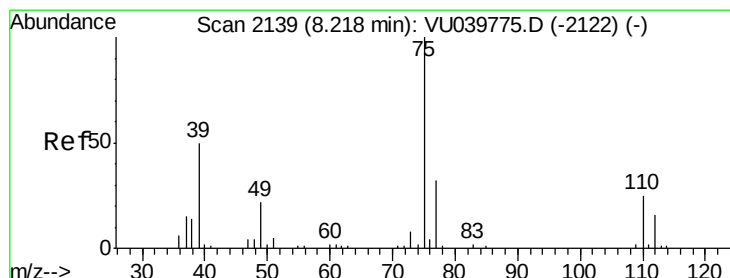
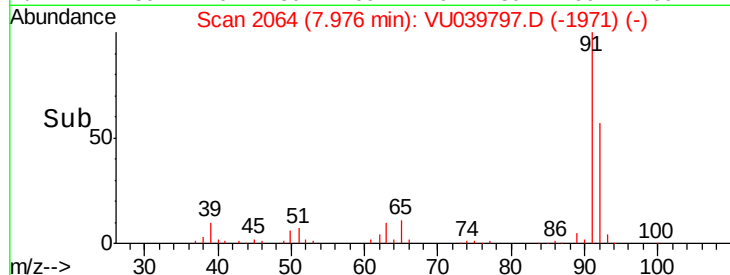
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.548 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU039797.D

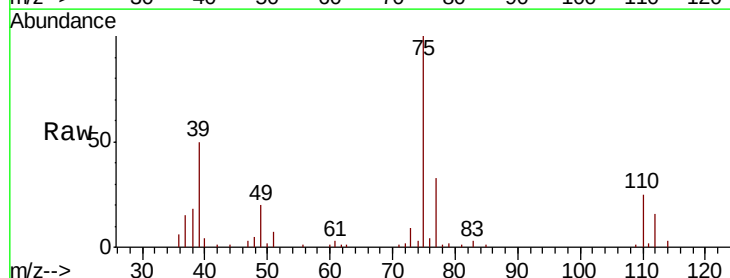
Acq: 07 Aug 2020 20:30

Tgt Ion: 75 Resp: 30558

Ion Ratio Lower Upper

75 100

77 32.9 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU039775.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU039775.D (-2122) (-)

8.21

20000

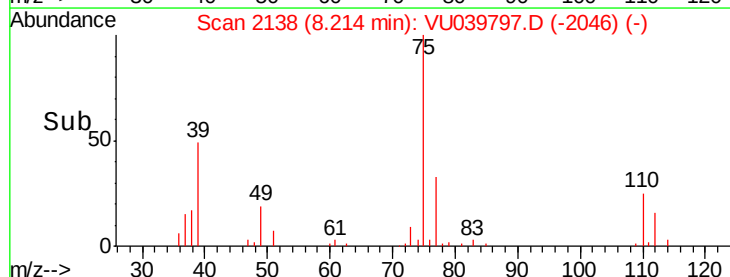
15000

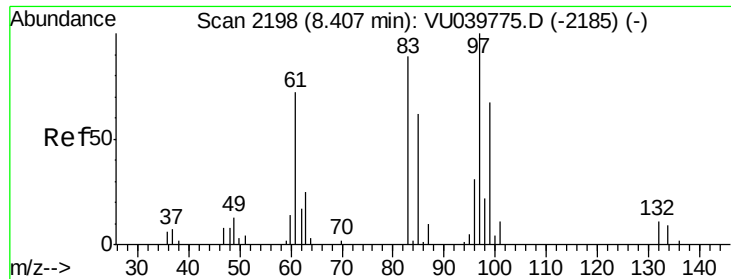
10000

5000

0

Time-->

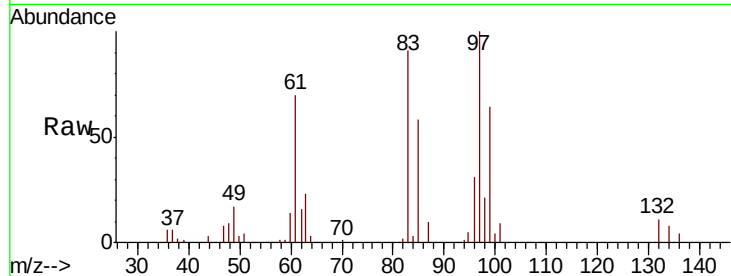




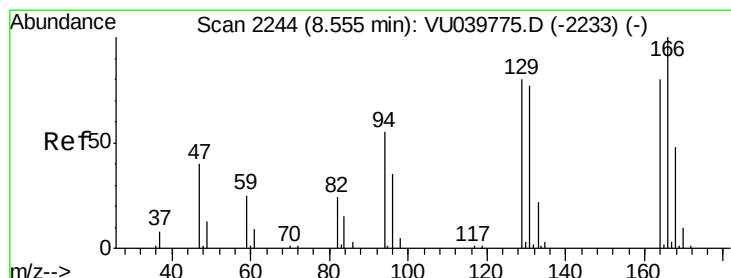
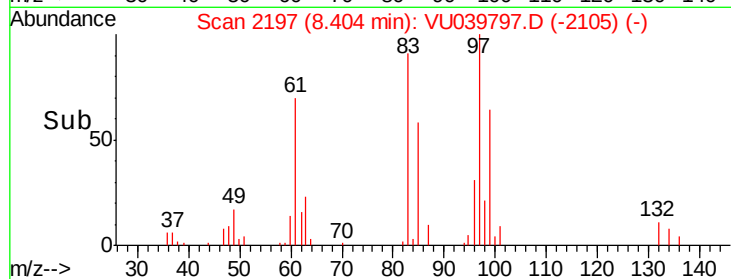
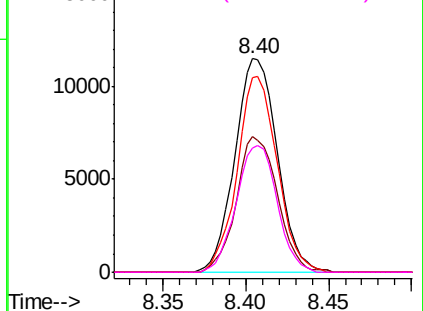
#45
 1,1,2-Trichloroethane
 Concen: 4.984 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU039797.D
 Acq: 07 Aug 2020 20:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	20501
Ion	Ratio	Lower	Upper
97	100		
99	63.6	42.0	78.0
83	90.8	55.2	102.4
85	58.4	37.0	68.6

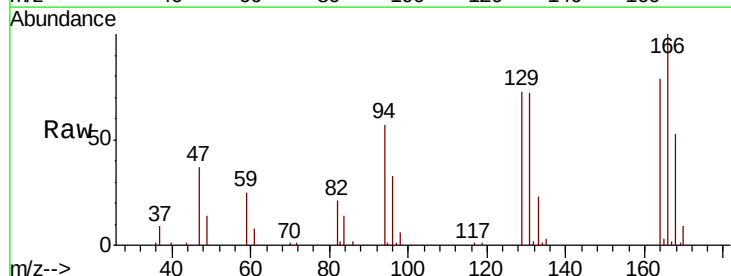


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

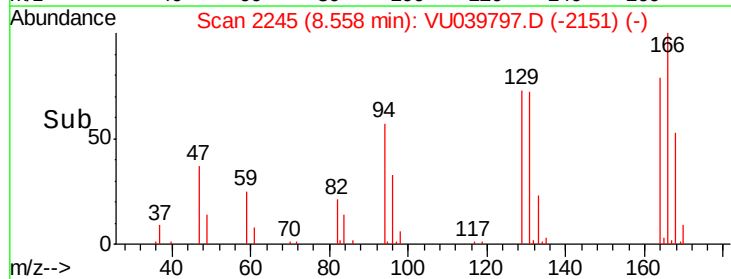
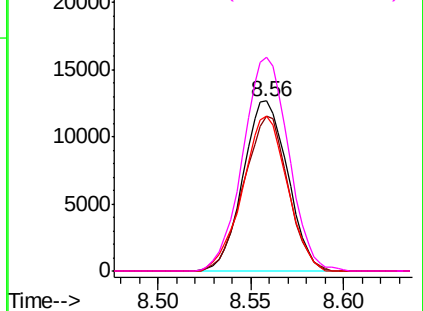


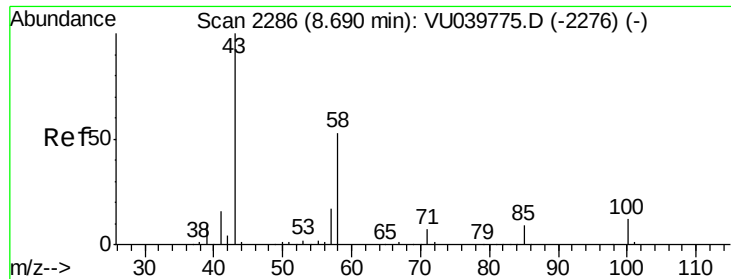
#47
 Tetrachloroethene
 Concen: 4.790 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039797.D
 Acq: 07 Aug 2020 20:30

Tgt Ion:	164	Resp:	21126
Ion	Ratio	Lower	Upper
164	100		
129	91.3	65.9	122.5
131	90.9	68.1	126.5
166	125.8	84.5	156.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

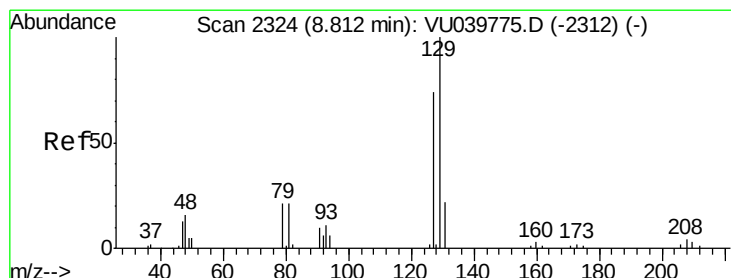
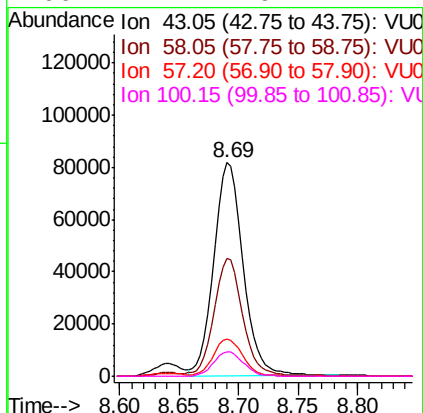
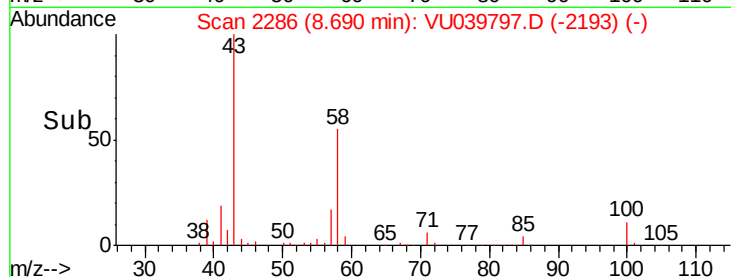
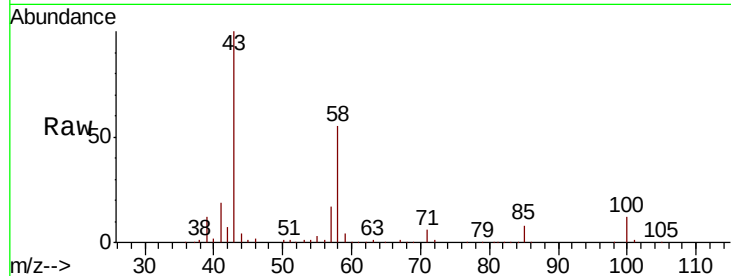




#48
2-Hexanone
Concen: 47.560 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039797.D
Acq: 07 Aug 2020 20:30

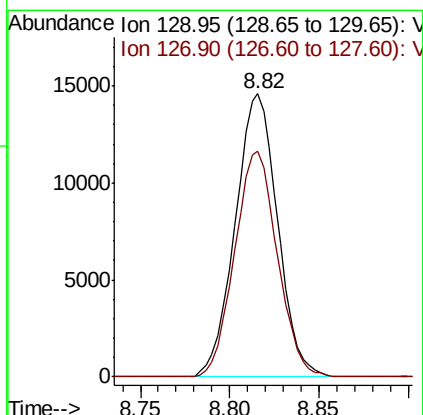
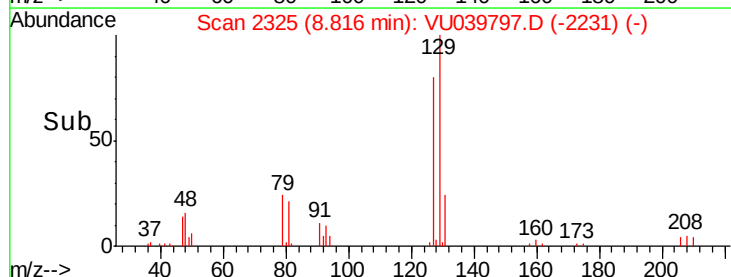
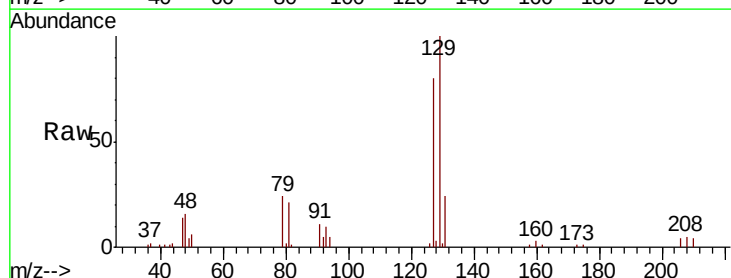
Instrument :
MSVOA_U
ClientSampleId :

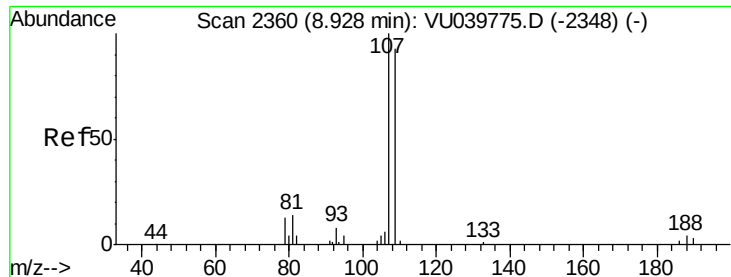
Tot Ion:	43	Resp:	140342
Ion	Ratio	Lower	Upper
43	100		
58	54.9	41.8	62.8
57	17.8	14.2	21.4
100	11.7	9.4	14.2



#49
Dibromochloromethane
Concen: 4.793 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039797.D
Acq: 07 Aug 2020 20:30

Tgt Ion:	129	Resp:	24194
Ion	Ratio	Lower	Upper
129	100		
127	79.6	53.0	98.4

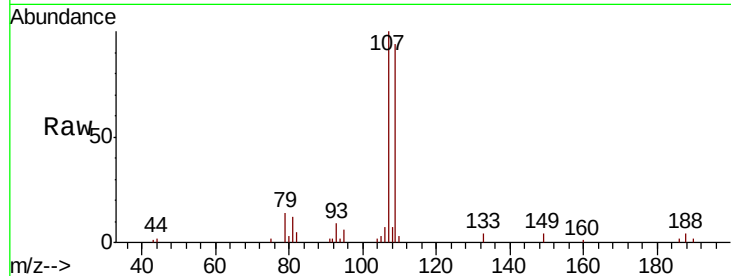




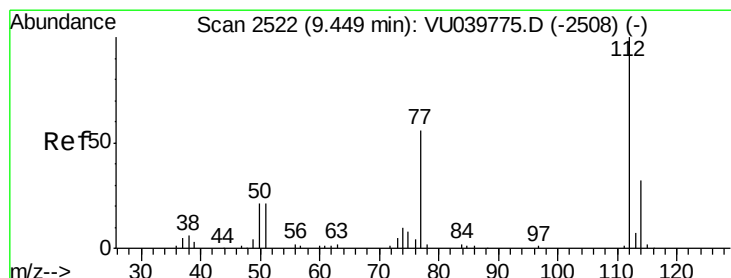
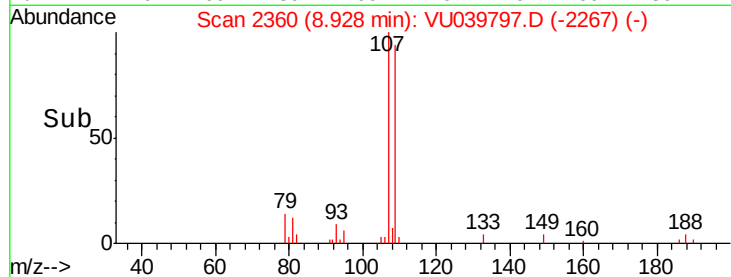
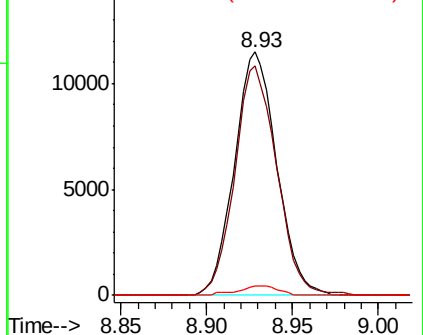
#50
 1,2-Dibromoethane
 Concen: 4.853 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039797.D
 Acq: 07 Aug 2020 20:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 19572
 Ion Ratio Lower Upper
 107 100
 109 94.1 63.9 118.7
 188 3.8 2.9 4.3

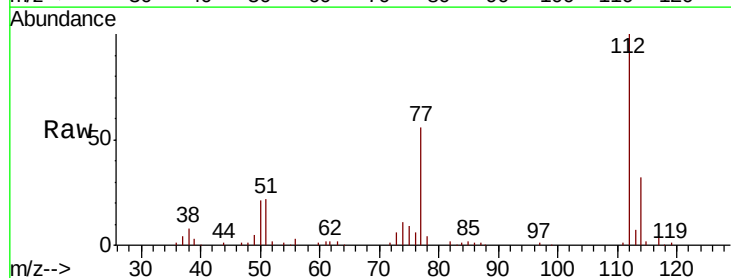


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

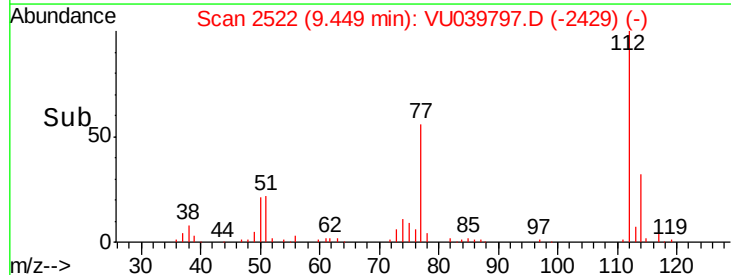
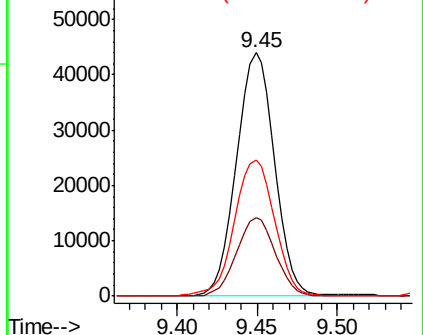


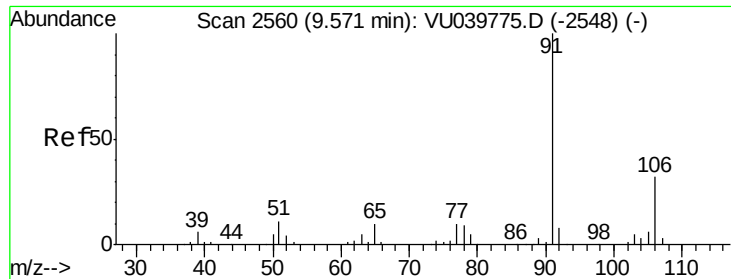
#51
 Chlorobenzene
 Concen: 4.899 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU039797.D
 Acq: 07 Aug 2020 20:30

Tgt Ion:112 Resp: 71221
 Ion Ratio Lower Upper
 112 100
 114 32.4 23.2 43.0
 77 56.0 47.8 71.6



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VU

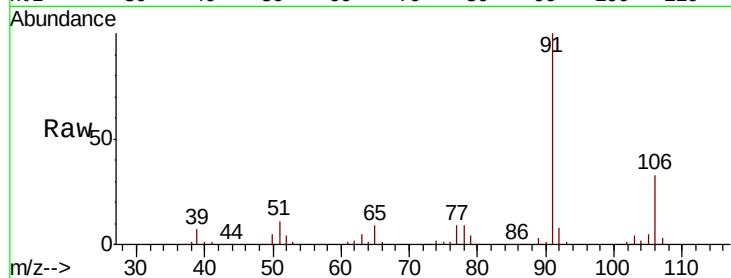




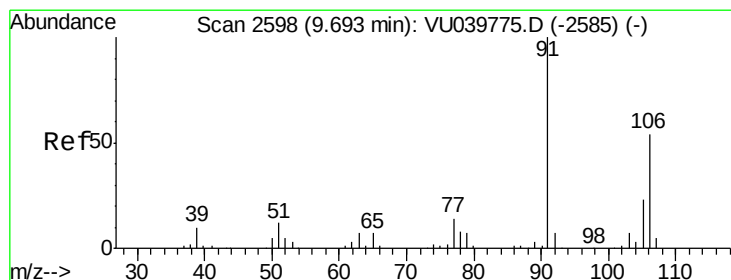
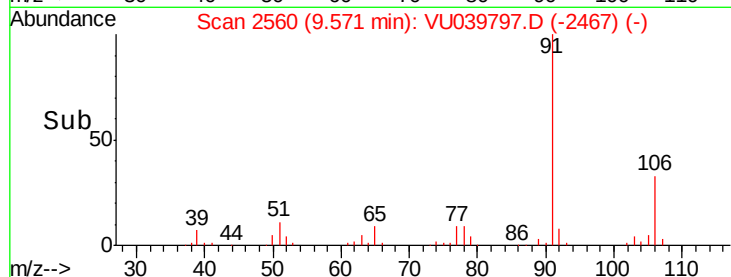
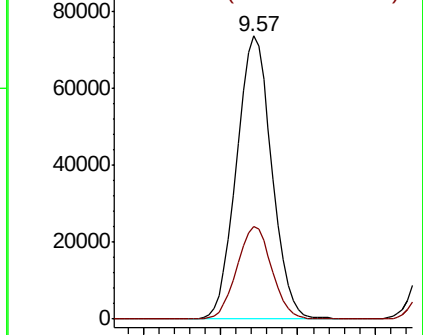
#52
Ethylbenzene
Concen: 4.804 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU039797.D
Acq: 07 Aug 2020 20:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 116332
Ion Ratio Lower Upper
91 100
106 32.6 22.8 42.4

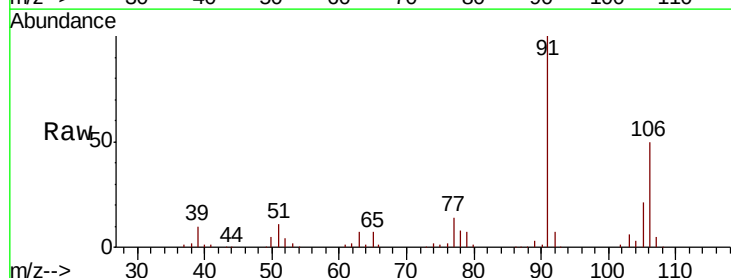


Abundance Ion 91.15 (90.85 to 91.85): VU039797.D (-2548) (-)
Ion 106.15 (105.85 to 106.85): VU039797.D (-2548) (-)

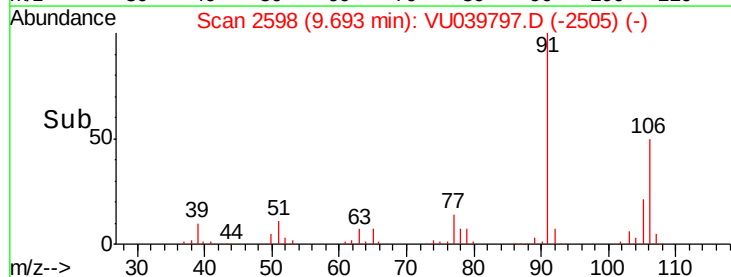
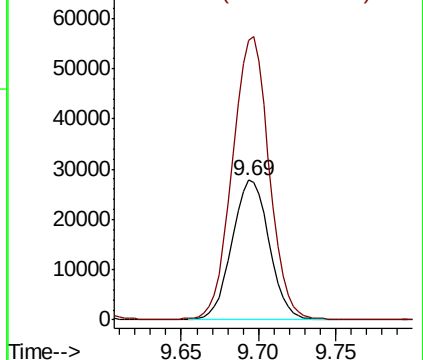


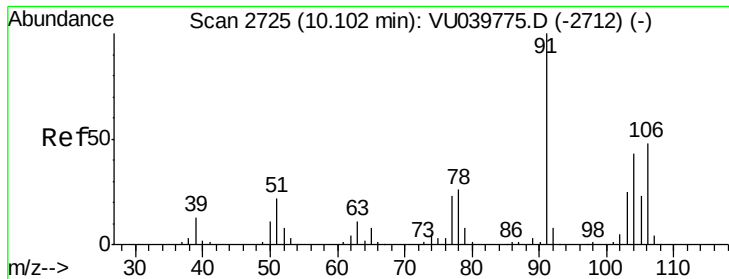
#53
m,p-Xylene
Concen: 5.031 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU039797.D
Acq: 07 Aug 2020 20:30

Tgt Ion: 106 Resp: 46394
Ion Ratio Lower Upper
106 100
91 200.6 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039797.D (-2585) (-)
Ion 91.15 (90.85 to 91.85): VU039797.D (-2585) (-)

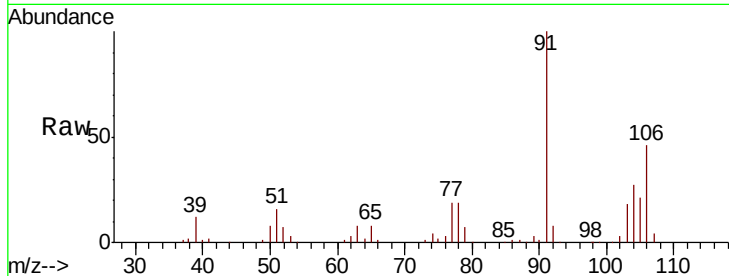




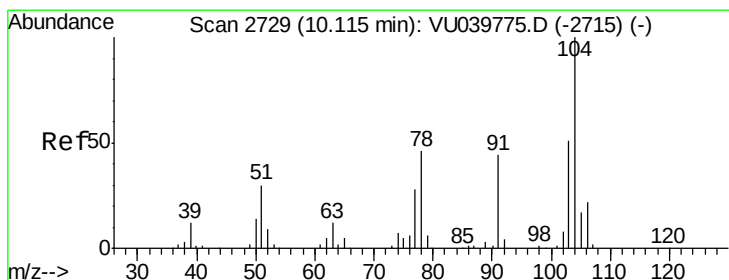
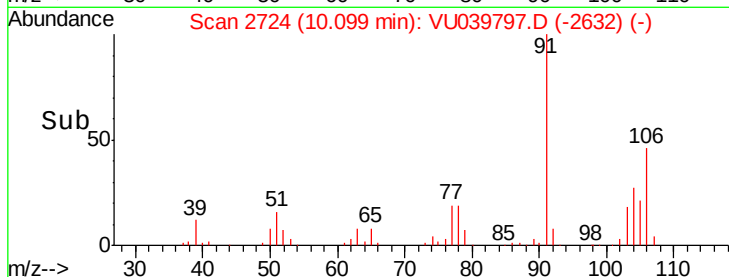
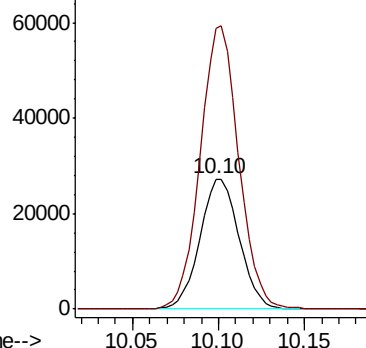
#54
o-Xylene
Concen: 4.797 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU039797.D
Acq: 07 Aug 2020 20:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 43317
Ion Ratio Lower Upper
106 100
91 215.7 140.8 261.6

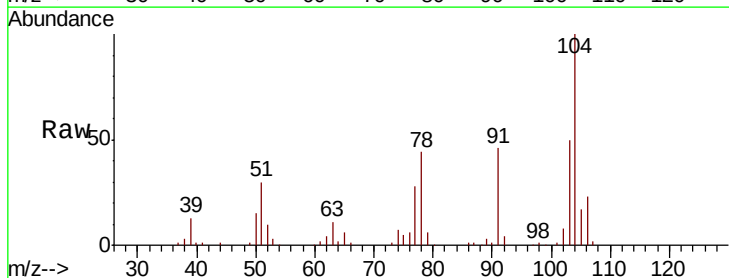


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

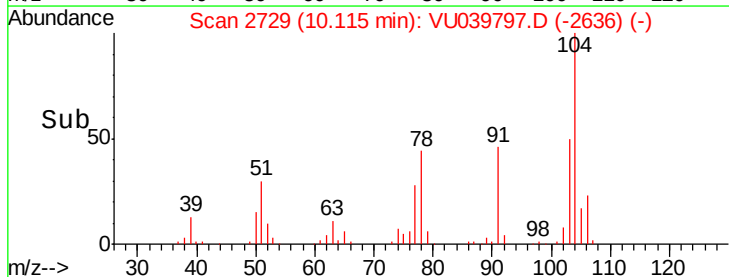
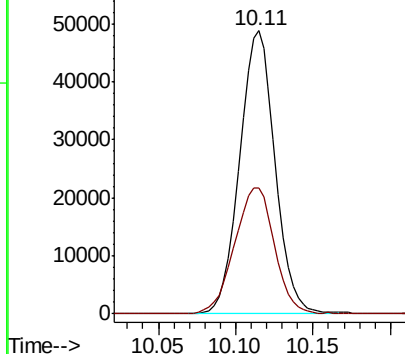


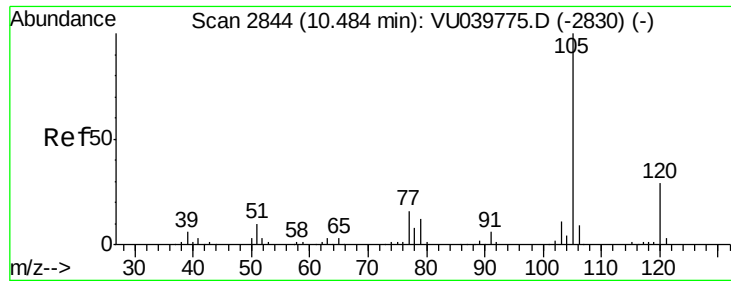
#55
Styrene
Concen: 5.092 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039797.D
Acq: 07 Aug 2020 20:30

Tgt Ion:104 Resp: 77419
Ion Ratio Lower Upper
104 100
78 44.4 32.3 60.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.805 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

Instrument :

MSVOA_U

ClientSampleId :

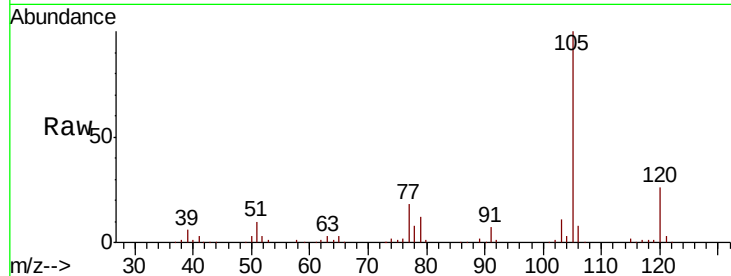
Tot Ion:105 Resp: 115963

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

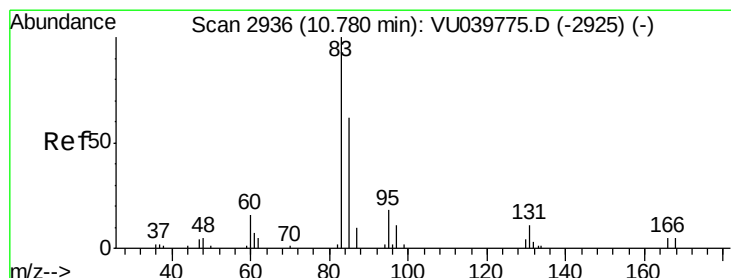
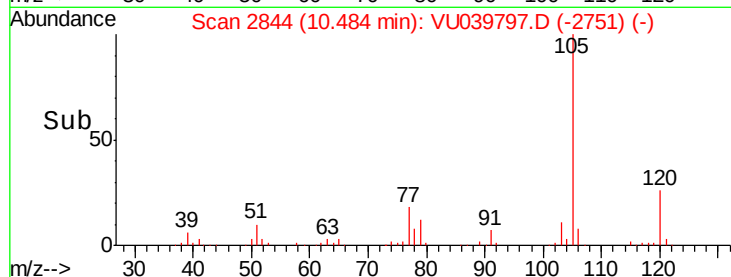
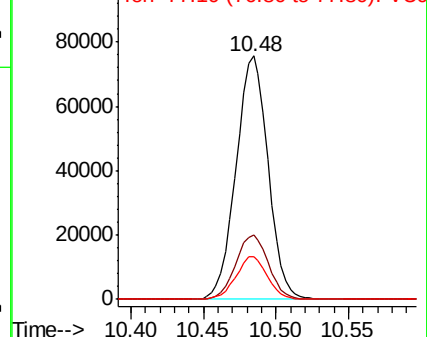
77 17.3 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.565 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

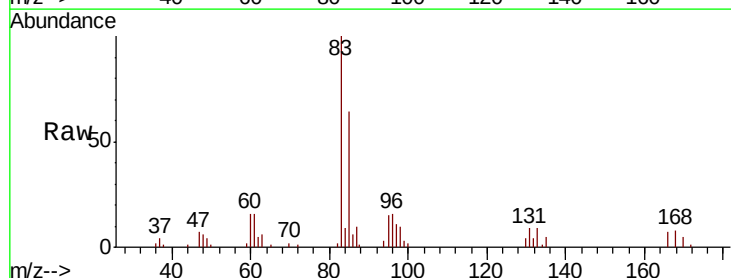
Tgt Ion: 83 Resp: 25830

Ion Ratio Lower Upper

83 100

85 63.9 44.4 82.4

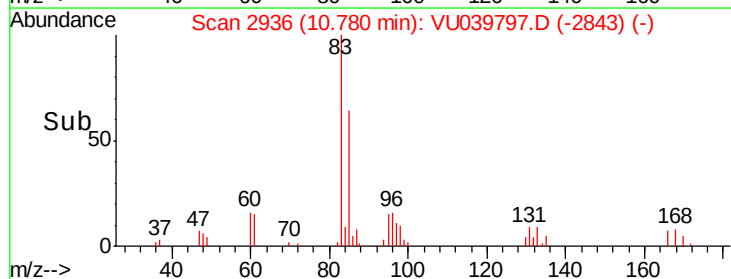
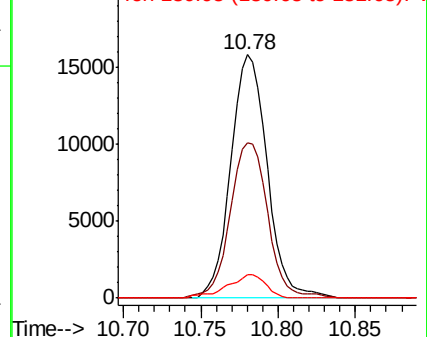
131 9.4 7.4 11.0

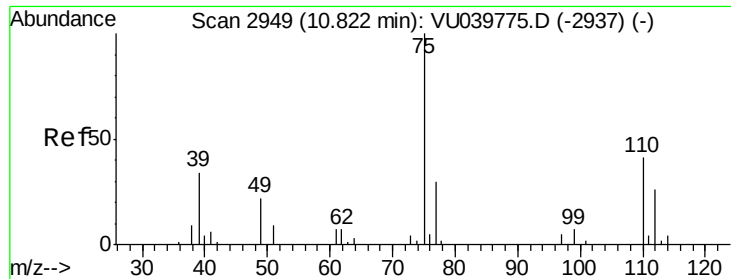


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.687 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

Instrument :

MSVOA_U

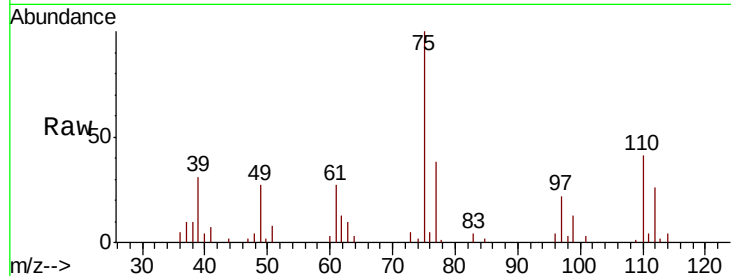
ClientSampleId :

Tot Ion: 75 Resp: 18488

Ion Ratio Lower Upper

75 100

77 35.1 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU039775.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039775.D (-2937) (-)

12000

10000

8000

6000

4000

2000

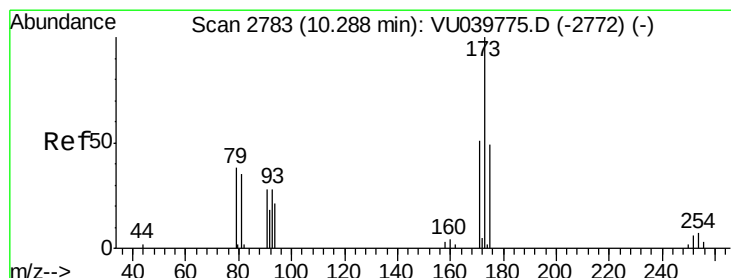
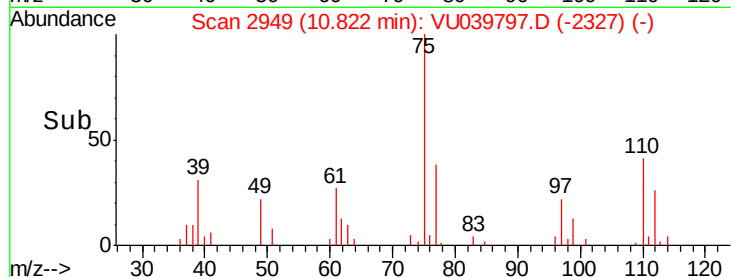
0

10.75

10.80

10.85

Time-->



#61

Bromoform

Concen: 4.759 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

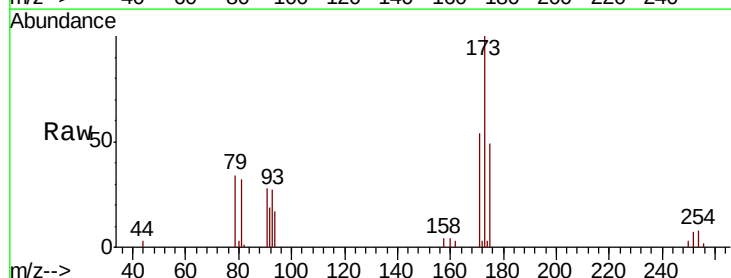
Tgt Ion:173 Resp: 12855

Ion Ratio Lower Upper

173 100

175 48.8 33.8 50.8

254 7.5 5.5 8.3



Abundance Ion 172.90 (172.60 to 173.60): VU039775.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039775.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039775.D (-2772) (-)

10000

8000

6000

4000

2000

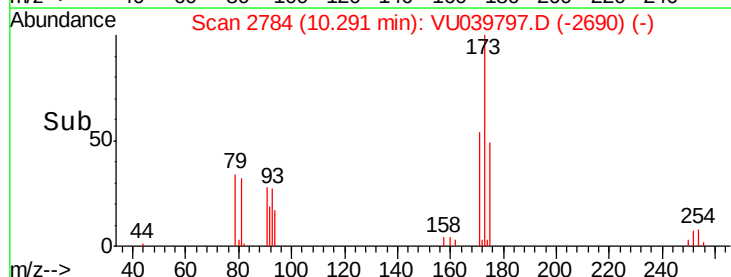
0

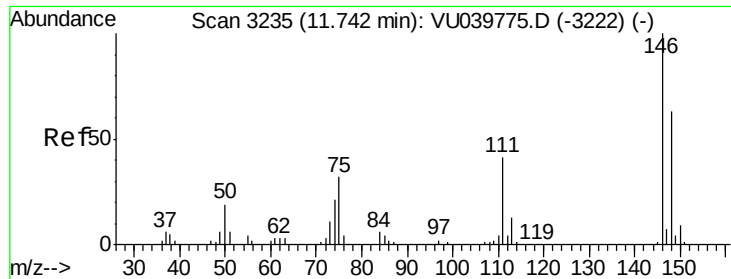
10.25

10.30

10.35

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.936 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

Instrument :

MSVOA_U

ClientSampleId :

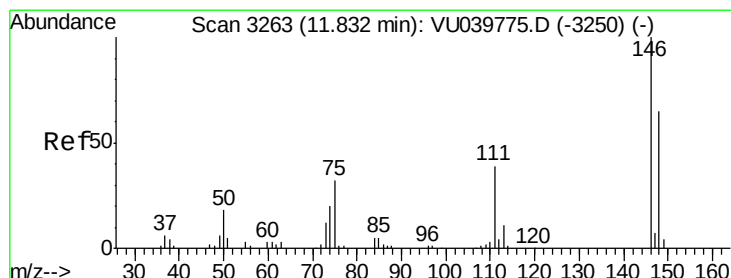
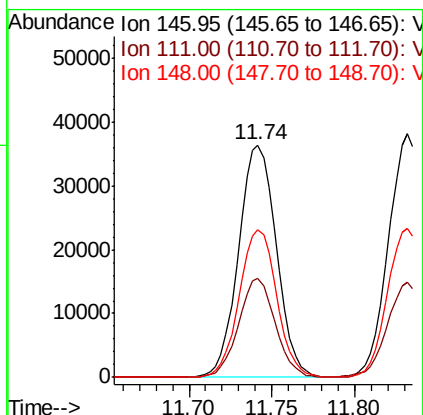
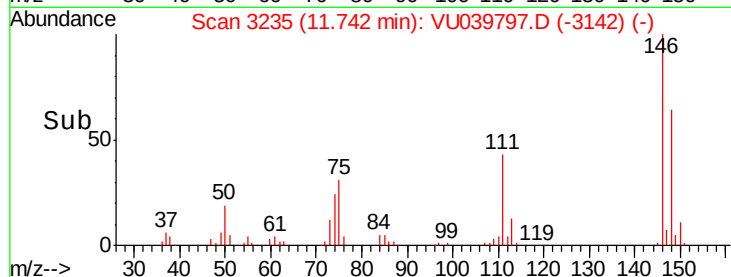
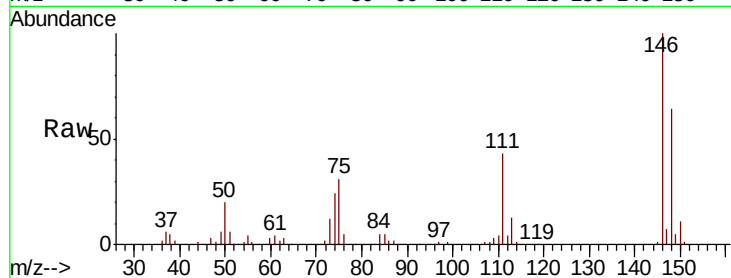
Tot Ion:146 Resp: 57755

Ion Ratio Lower Upper

146 100

111 42.8 27.7 51.5

148 63.6 45.2 84.0



#63

1,4-Dichlorobenzene

Concen: 4.810 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

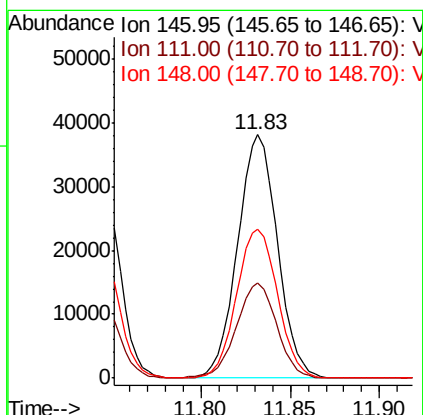
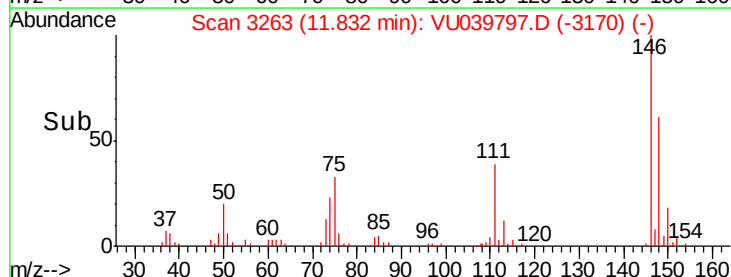
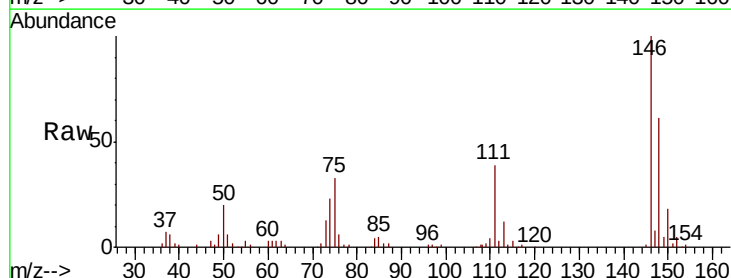
Tgt Ion:146 Resp: 59328

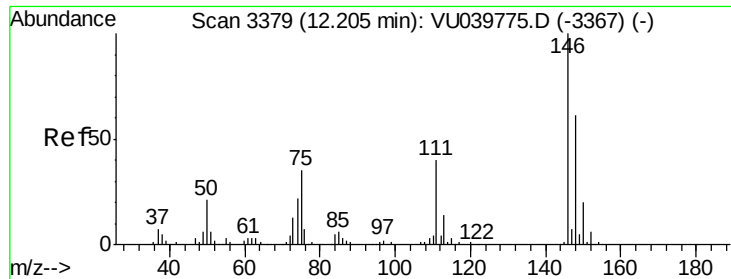
Ion Ratio Lower Upper

146 100

111 38.8 26.5 49.3

148 61.1 45.3 84.1

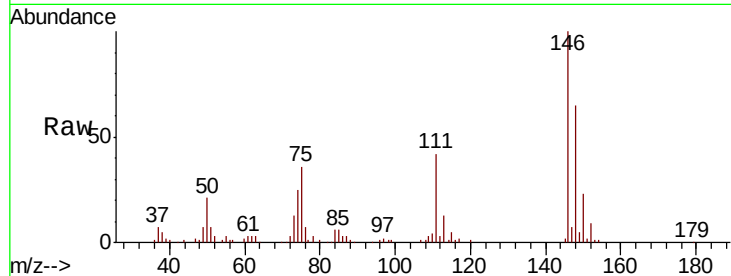




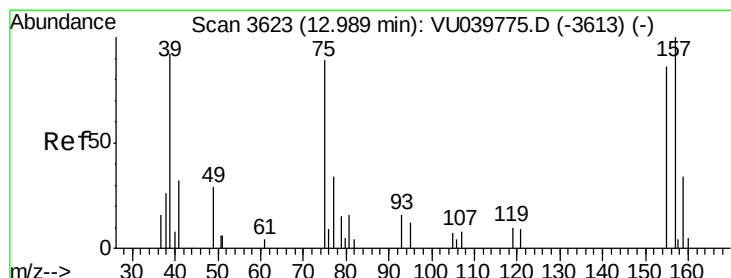
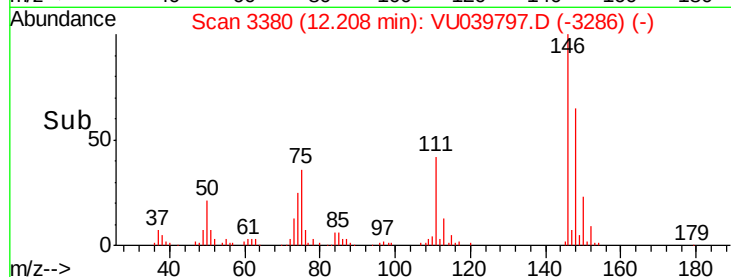
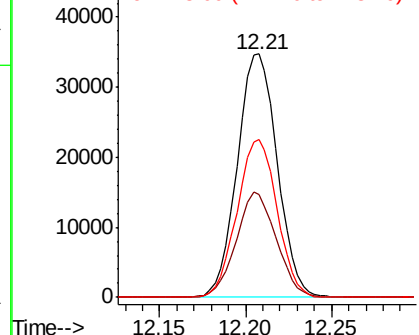
#65
 1,2-Dichlorobenzene
 Concen: 4.859 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039797.D
 Acq: 07 Aug 2020 20:30

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 56010
 Ion Ratio Lower Upper
 146 100
 111 42.5 33.1 49.7
 148 65.0 51.5 77.3

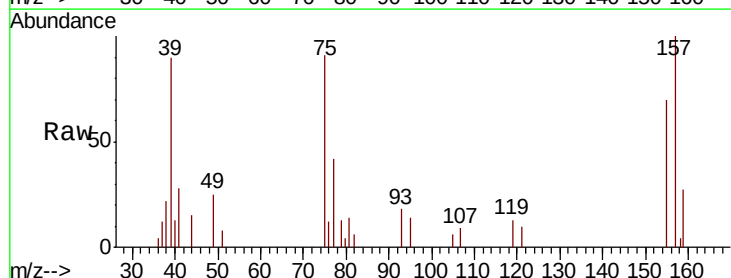


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

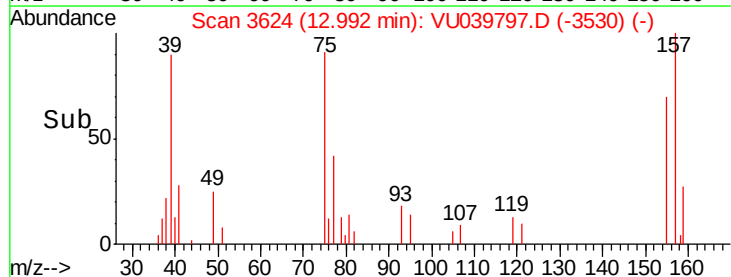
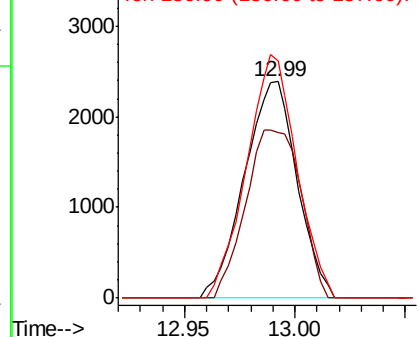


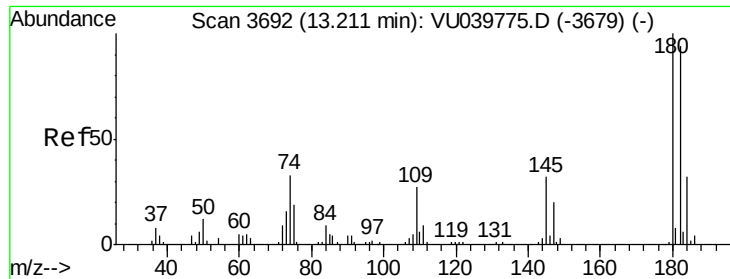
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.536 ug/L
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU039797.D
 Acq: 07 Aug 2020 20:30

Tgt Ion: 75 Resp: 3953
 Ion Ratio Lower Upper
 75 100
 155 76.6 64.0 96.0
 157 109.5 77.0 115.6



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

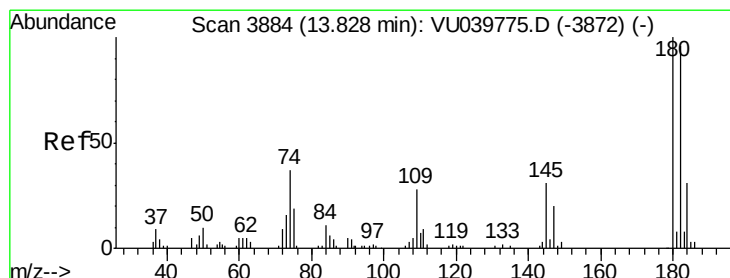
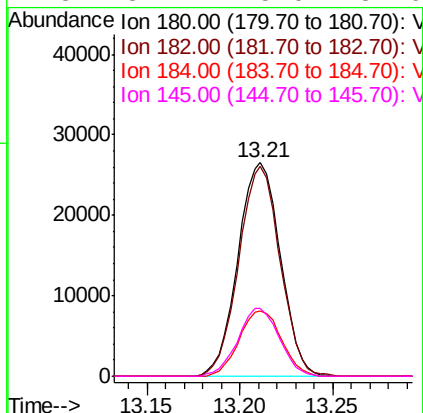
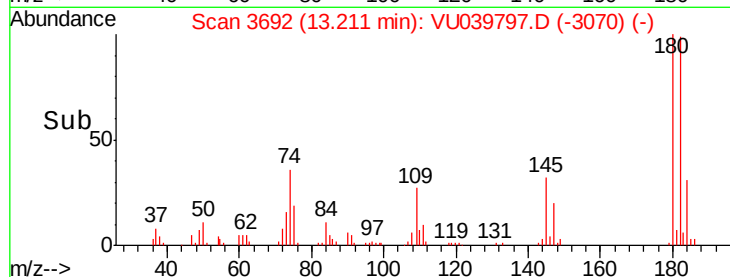
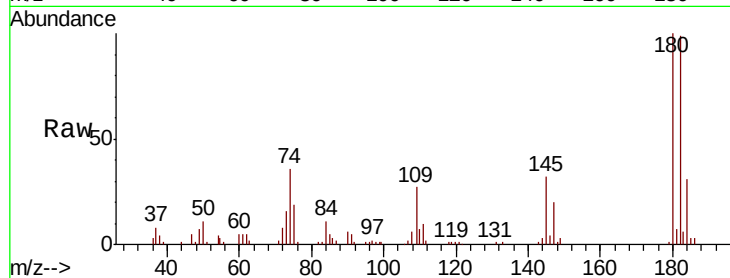




#67
 1,3,5-Trichlorobenzene
 Concen: 4.746 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039797.D
 Acq: 07 Aug 2020 20:30

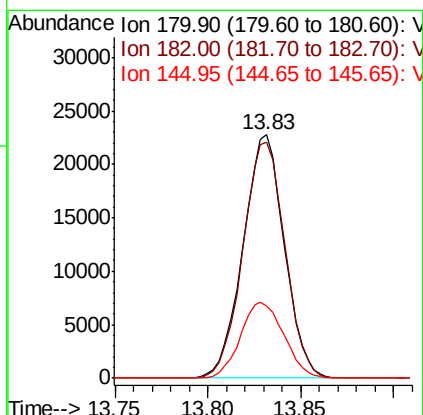
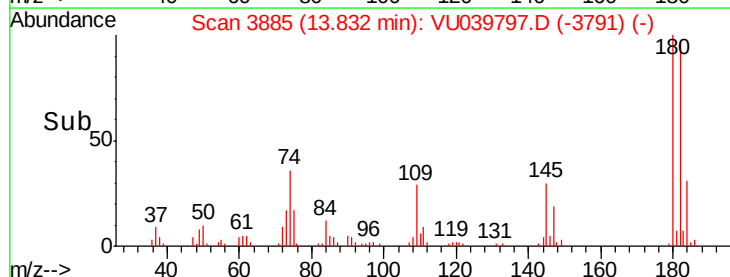
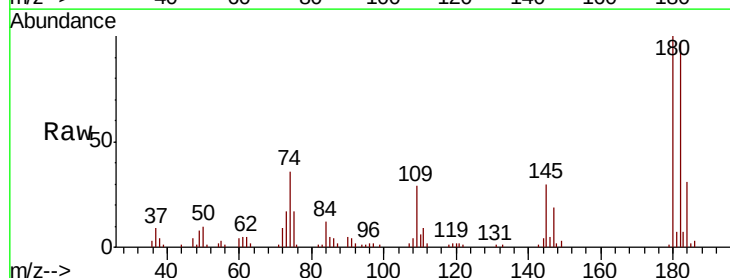
Instrument :
 MSVOA_U
 ClientSampleId :

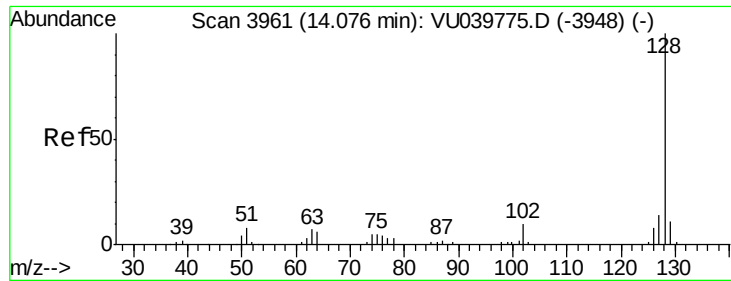
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	74.9	112.3
184	30.5	25.3	37.9
145	31.1	25.0	37.6



#68
 1,2,4-trichlorobenzene
 Concen: 4.724 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039797.D
 Acq: 07 Aug 2020 20:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	75.7	113.5
145	32.6	25.1	37.7





#69

Naphthalene

Concen: 4.573 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

Instrument :

MSVOA_U

ClientSampleId :

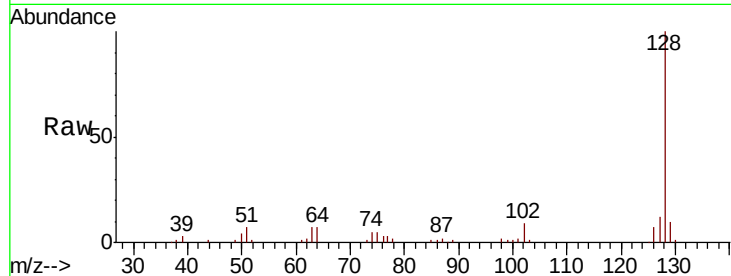
Tot Ion:128 Resp: 60755

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

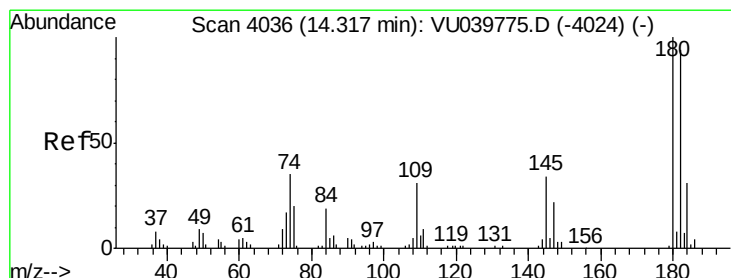
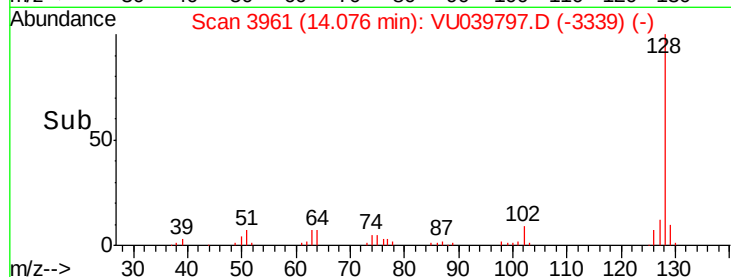
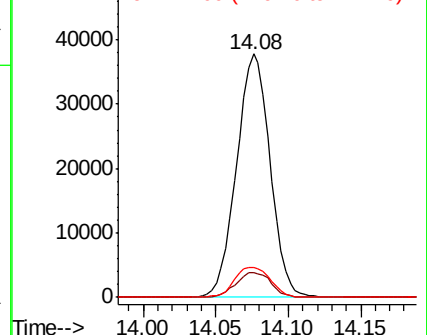
127 13.2 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.853 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039797.D

Acq: 07 Aug 2020 20:30

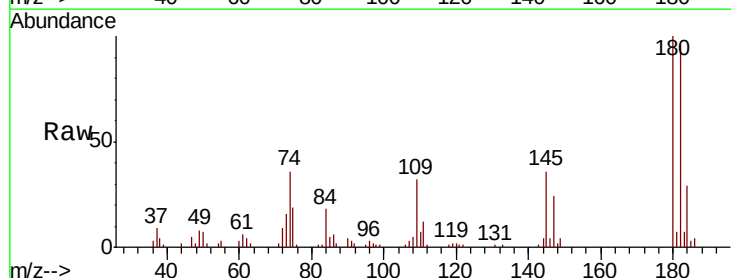
Tgt Ion:180 Resp: 32357

Ion Ratio Lower Upper

180 100

182 95.8 76.1 114.1

145 35.2 27.4 41.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

