

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051520\
 Data File : VU038187.D
 Acq On : 15 May 2020 10:10
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 16 03:27:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 14:53:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	393434	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	382829	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	192294	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	149592	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.93	69	132028	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.59	63	250285	4.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.20%
20) 2-Butanone-d5	4.67	46	479574	54.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.02%
24) Chloroform-d	5.10	84	256257	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.74	65	145741	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.76	84	511719	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.72	67	171040	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.93	98	456083	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.20	79	69539	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.66	63	344950	49.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.50%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	144626	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	172992	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	166241	4.620 ug/L	99
3) Chloromethane	1.53	50	189041	4.360 ug/L	99
5) Vinyl chloride	1.62	62	197185	4.641 ug/L	100
6) Bromomethane	1.87	94	108946	4.503 ug/L	98
8) Chloroethane	1.95	64	125631	4.807 ug/L	100
9) Trichlorofluoromethane	2.16	101	214570	4.939 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	135024	5.013 ug/L	99
12) 1,1-Dichloroethene	2.60	96	128409	4.703 ug/L	95
13) Acetone	2.67	43	307721	55.240 ug/L	99
14) Carbon disulfide	2.82	76	427921	4.394 ug/L	99
15) Methyl Acetate	2.99	43	71644	4.598 ug/L	98
16) Methylene chloride	3.08	84	149372	4.693 ug/L	100
17) Methyl tert-butyl Ether	3.40	73	351630	4.635 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	139706	4.687 ug/L	98
19) 1,1-Dichloroethane	3.91	63	276318	4.746 ug/L	98
21) 2-Butanone	4.75	43	517730	52.655 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	152680	4.753 ug/L	97

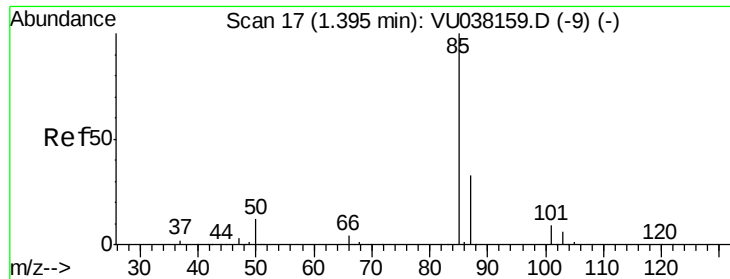
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U051520\
 Data File : VU038187.D
 Acq On : 15 May 2020 10:10
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 16 03:27:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 14:53:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	66742	4.828	ug/L	96
25) Chloroform	5.13	83	262230	4.829	ug/L	98
27) 1,2-Dichloroethane	5.83	62	184531	4.814	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	217016	4.948	ug/L	99
30) Cyclohexane	5.42	56	255423	4.932	ug/L	99
31) Carbon tetrachloride	5.56	117	175974	4.992	ug/L	99
33) Benzene	5.81	78	599725	4.892	ug/L	100
34) Trichloroethene	6.57	95	149981	4.891	ug/L	98
35) Methylcyclohexane	6.79	83	252400	5.082	ug/L	97
37) 1,2-Dichloropropane	6.82	63	161851	4.860	ug/L	99
38) Bromodichloromethane	7.14	83	188592	4.899	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	233979	4.910	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	1167927	50.606	ug/L	99
42) Toluene	8.00	91	635811	4.913	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	196493	4.849	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	114319	4.944	ug/L	97
47) Tetrachloroethene	8.58	164	107306	5.003	ug/L	99
48) 2-Hexanone	8.71	43	898456	53.158	ug/L	99
49) Dibromochloromethane	8.83	129	118946	4.956	ug/L	99
50) 1,2-Dibromoethane	8.95	107	107059	4.988	ug/L	97
51) Chlorobenzene	9.47	112	400294	4.984	ug/L	100
52) Ethylbenzene	9.59	91	701254	5.002	ug/L	99
53) m,p-Xylene	9.72	106	271272	5.047	ug/L	98
54) o-Xylene	10.12	106	261249	5.027	ug/L	97
55) Styrene	10.13	104	440683	5.051	ug/L	100
56) Isopropylbenzene	10.50	105	679525	5.090	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	147656	5.029	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	111037	4.968	ug/L	99
61) Bromoform	10.31	173	63126	4.857	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	308925	4.938	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	312331	4.926	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	291904	4.849	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	22595	4.593	ug/L	94
67) 1,3,5-Trichlorobenzene	13.25	180	228091	5.024	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	207082	5.029	ug/L	98
69) Naphthalene	14.12	128	432033	4.984	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	190191	4.969	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.620 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Instrument :

MSVOA_U

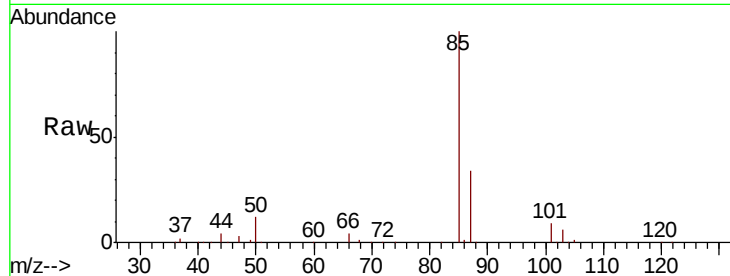
ClientSampleId :

Tot Ion: 85 Resp: 166241

Ion Ratio Lower Upper

85 100

87 33.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038187.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038187.D (-1) (-)

1.39

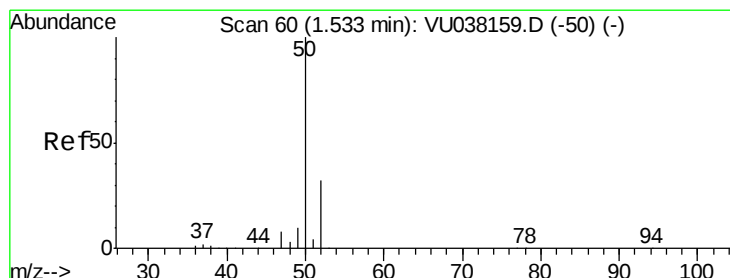
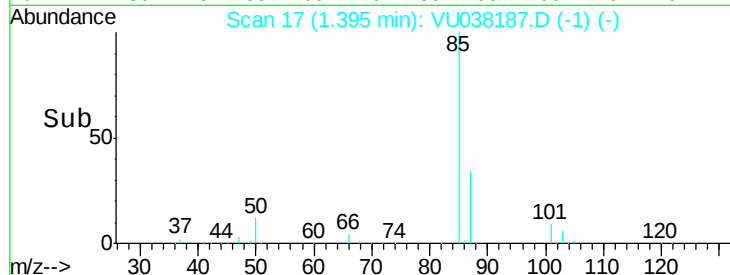
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.360 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038187.D

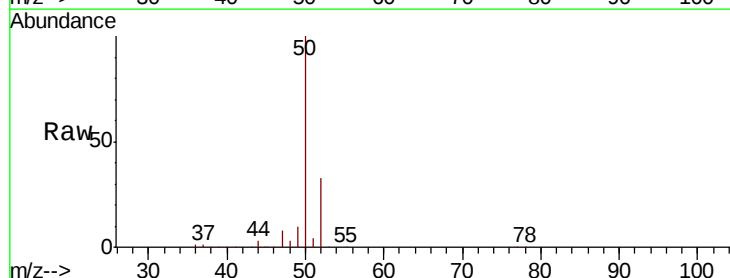
Acq: 15 May 2020 10:10

Tgt Ion: 50 Resp: 189041

Ion Ratio Lower Upper

50 100

52 32.9 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038187.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU038187.D (-1) (-)

1.53

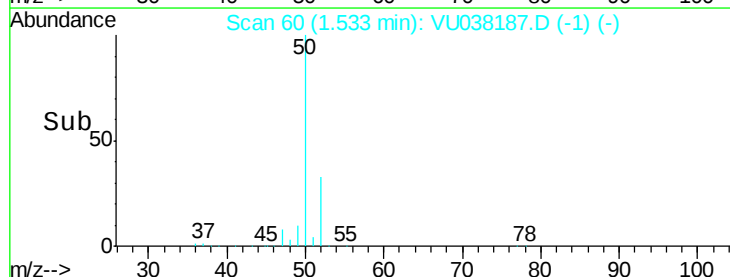
150000

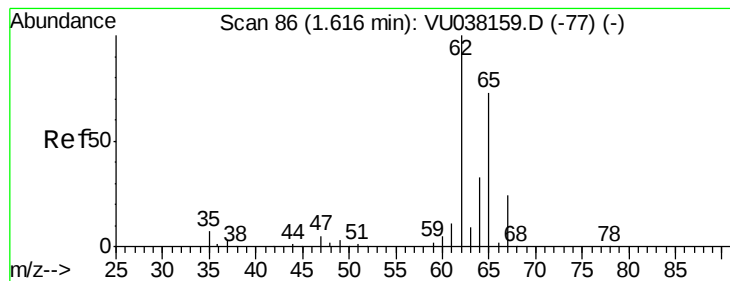
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.641 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Instrument :

MSVOA_U

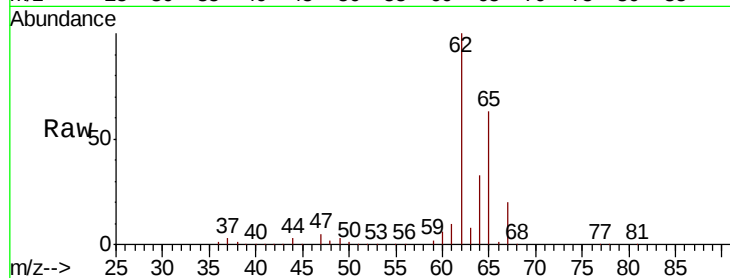
ClientSampled :

Tot Ion: 62 Resp: 197185

Ion Ratio Lower Upper

62 100

64 32.9 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

200000

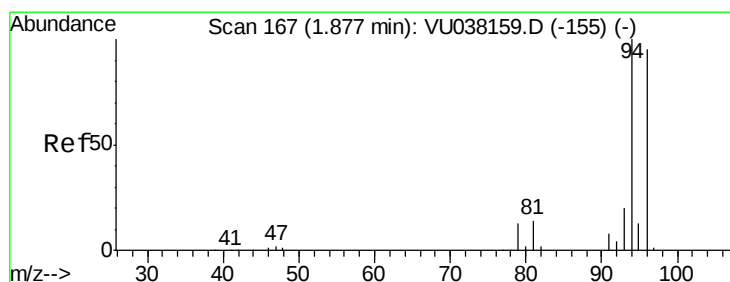
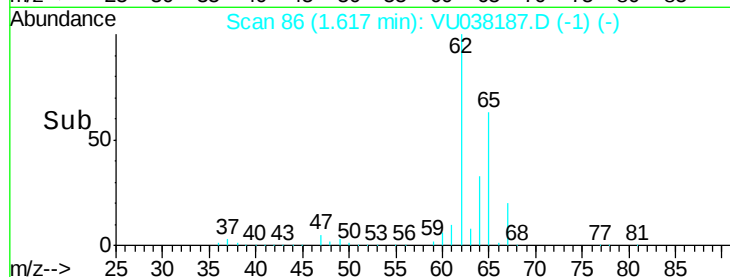
150000

100000

50000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 4.503 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038187.D

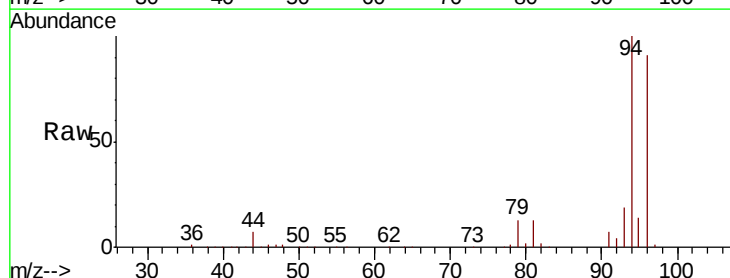
Acq: 15 May 2020 10:10

Tgt Ion: 94 Resp: 108946

Ion Ratio Lower Upper

94 100

96 91.2 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

100000

80000

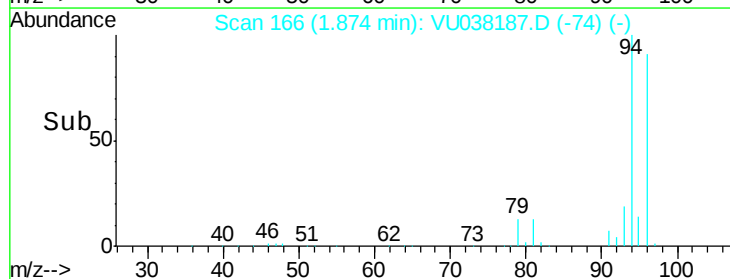
60000

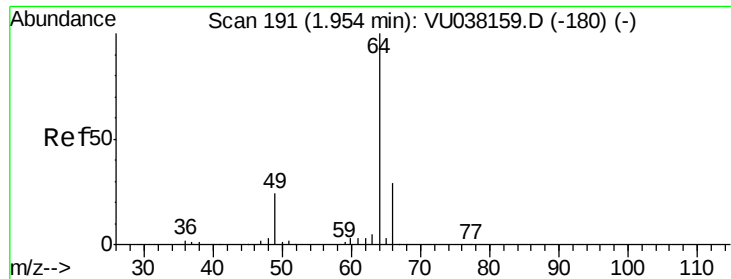
40000

20000

0

Time--> 1.80 1.85 1.90 1.95

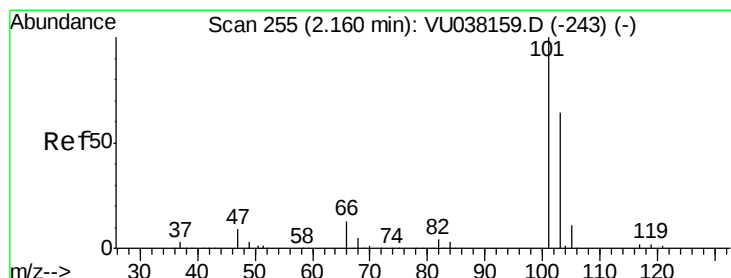
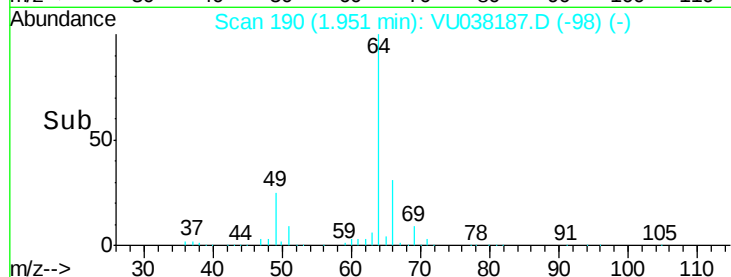
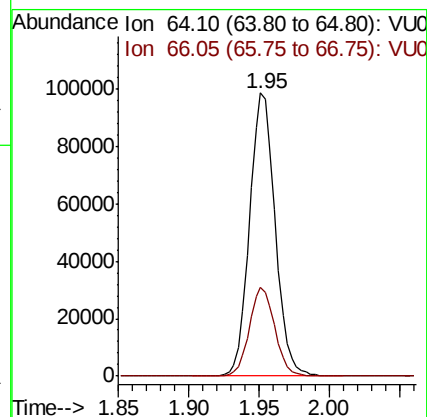
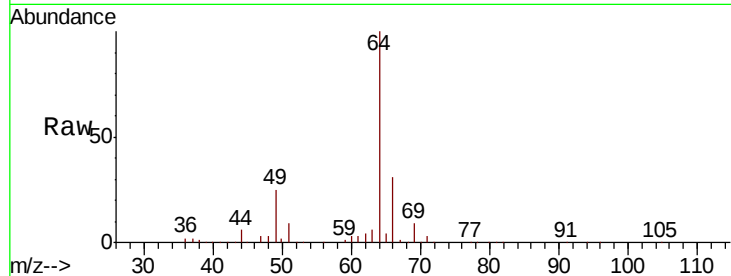




#8
Chloroethane
Concen: 4.807 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038187.D
Acq: 15 May 2020 10:10

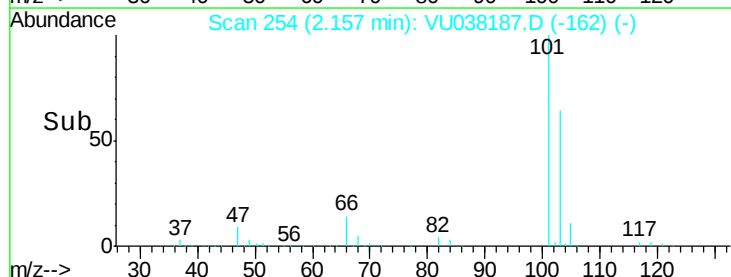
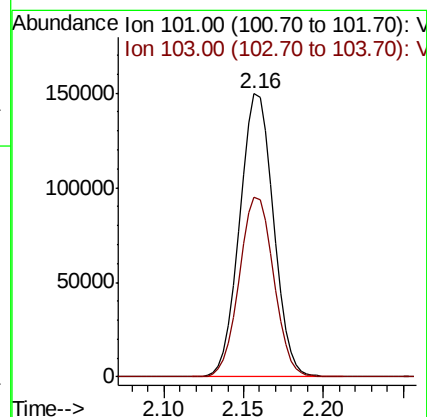
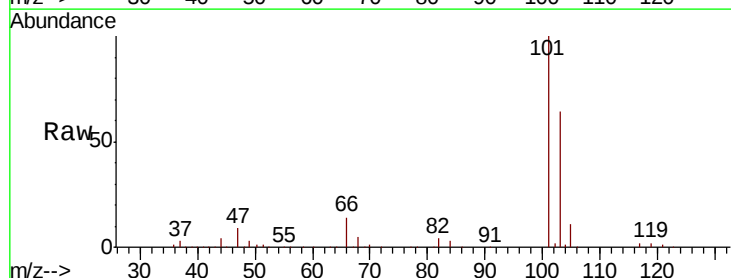
Instrument :
MSVOA_U
ClientSampleId :

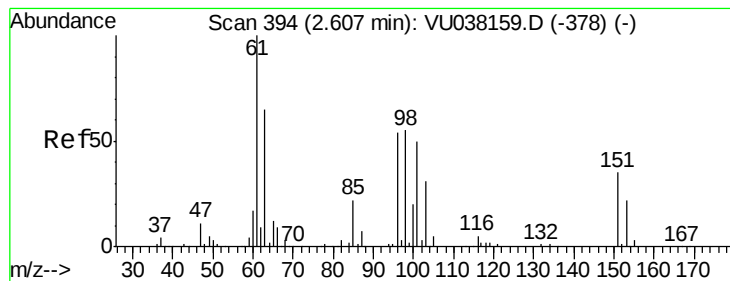
Tot Ion: 64 Resp: 125631
Ion Ratio Lower Upper
64 100
66 31.2 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.939 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU038187.D
Acq: 15 May 2020 10:10

Tgt Ion:101 Resp: 214570
Ion Ratio Lower Upper
101 100
103 64.7 51.0 76.4





#10

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

Concen: 5.013 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Instrument :

MSVOA_U

ClientSampled :

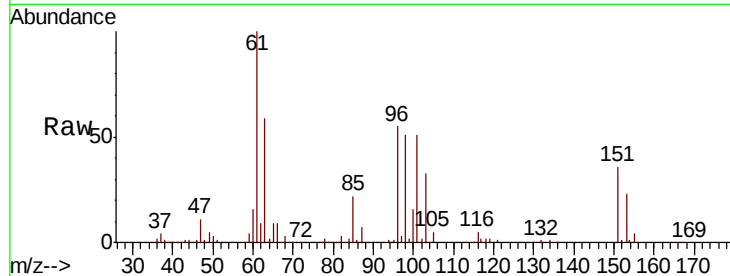
Tot Ion:101 Resp: 135024

Ion Ratio Lower Upper

101 100

85 44.3 35.3 52.9

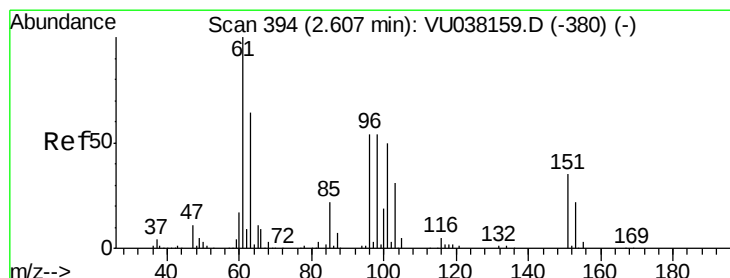
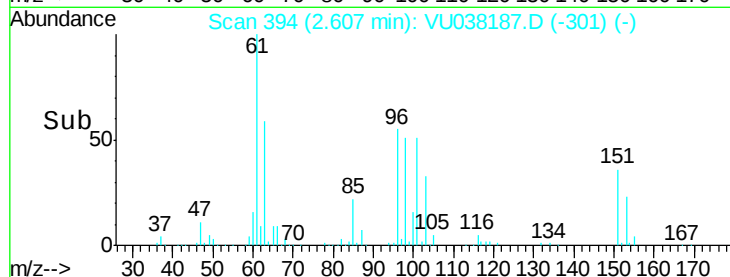
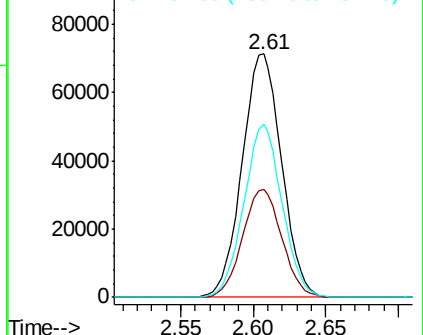
151 68.7 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): VU038187.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU038187.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU038187.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 4.703 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

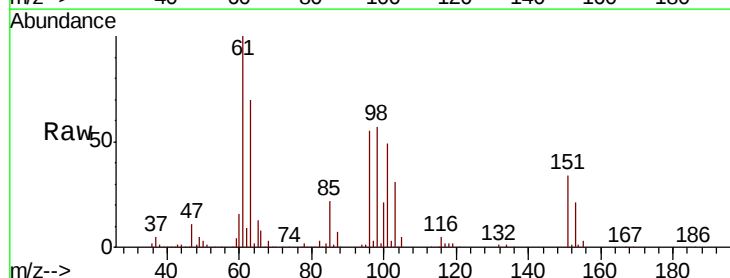
Tgt Ion: 96 Resp: 128409

Ion Ratio Lower Upper

96 100

61 182.1 126.2 234.4

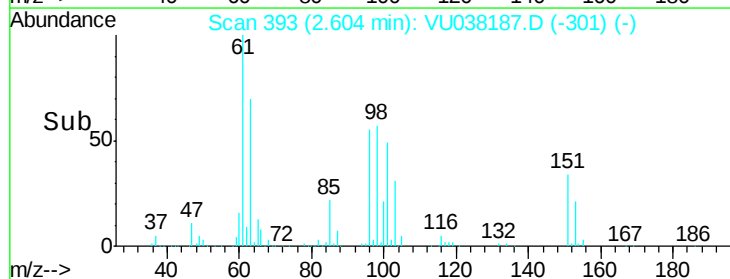
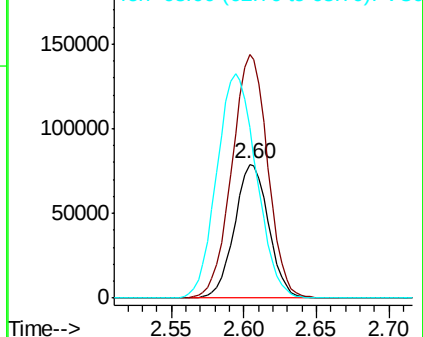
63 127.4 96.9 179.9

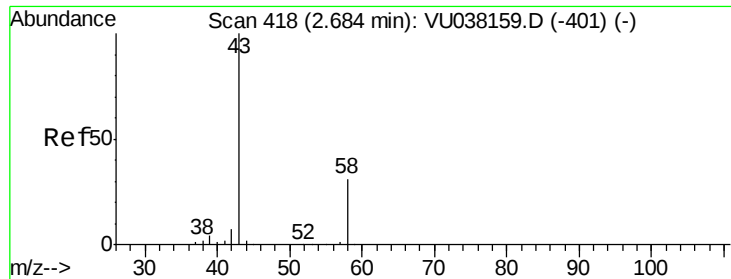


Abundance Ion 96.00 (95.70 to 96.70): VU038187.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU038187.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU038187.D (-301) (-)





#13

Acetone

Concen: 55.240 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Instrument :

MSVOA_U

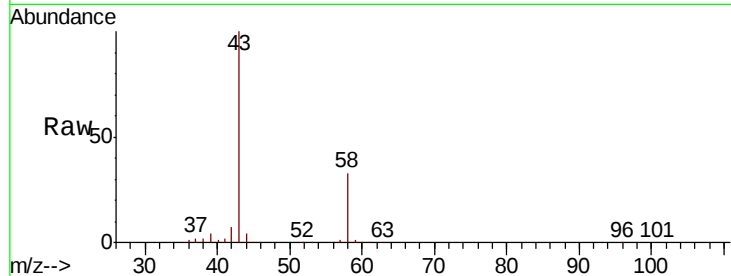
ClientSampled :

Tot Ion: 43 Resp: 307721

Ion Ratio Lower Upper

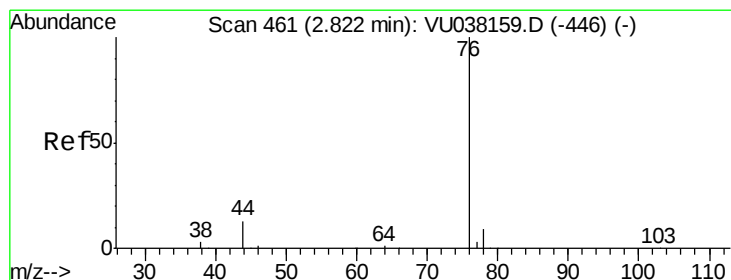
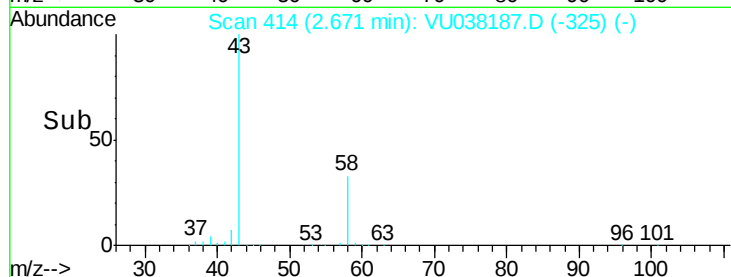
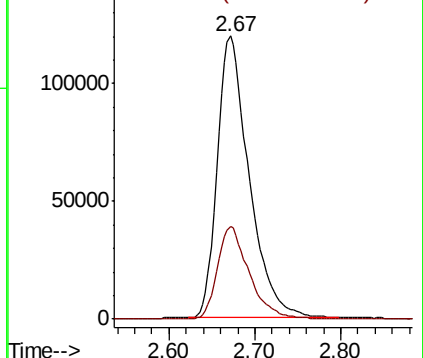
43 100

58 32.6 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038187.D (-325) (-)

Ion 58.05 (57.75 to 58.75): VU038187.D (-325) (-)



#14

Carbon disulfide

Concen: 4.394 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038187.D

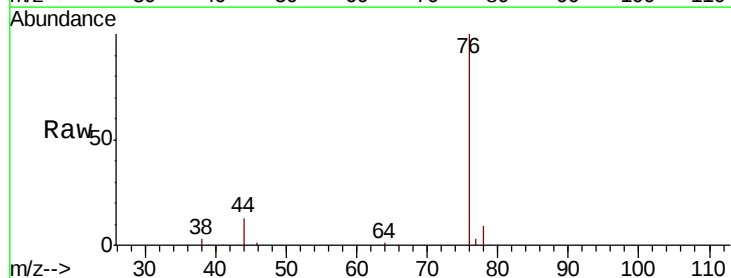
Acq: 15 May 2020 10:10

Tgt Ion: 76 Resp: 427921

Ion Ratio Lower Upper

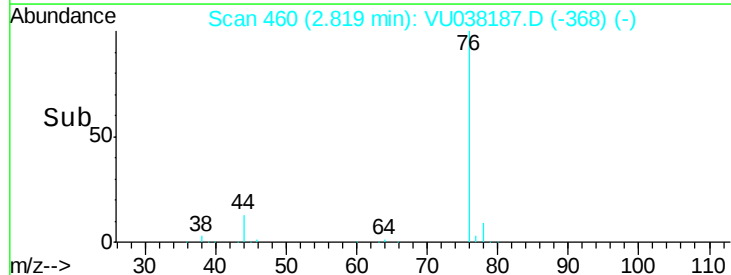
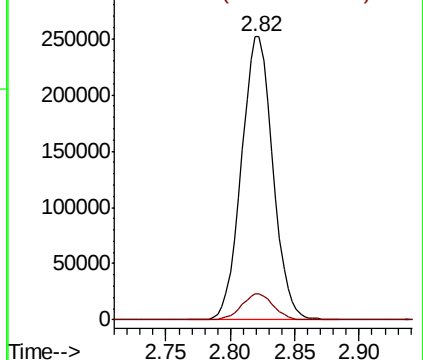
76 100

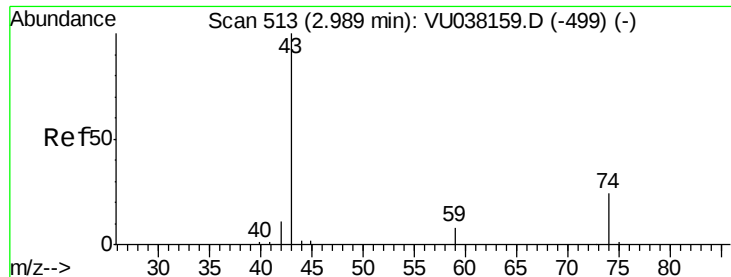
78 9.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038187.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU038187.D (-368) (-)

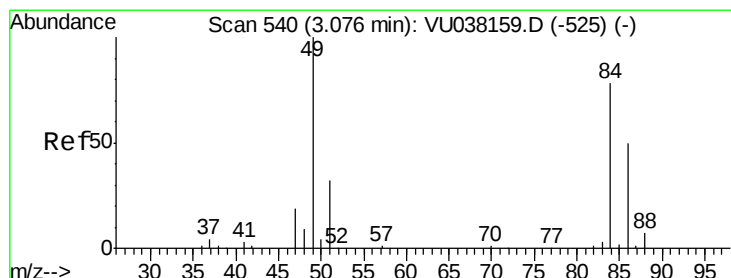
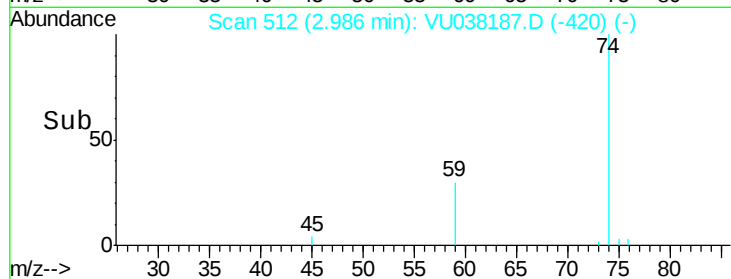
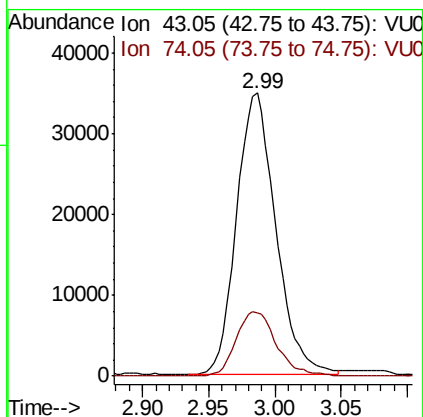
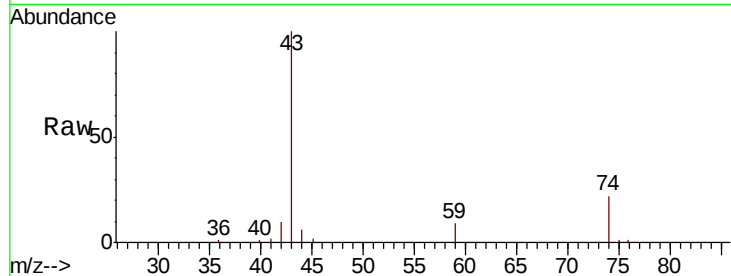




#15
Methvl Acetate
Concen: 4.598 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU038187.D
Acq: 15 May 2020 10:10

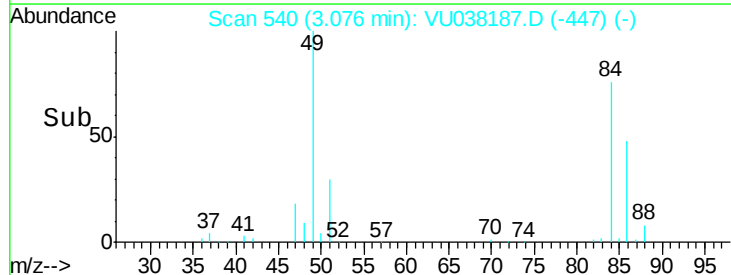
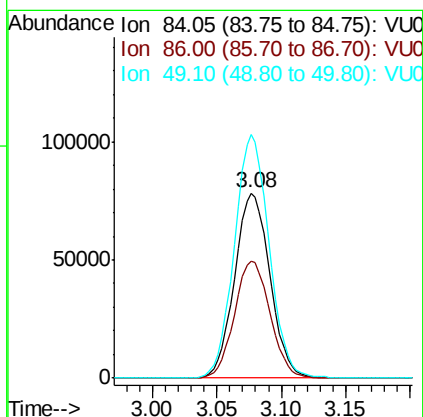
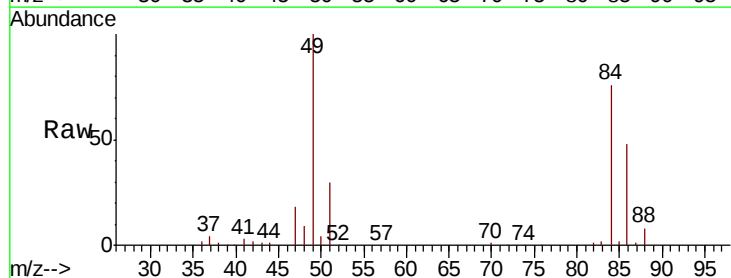
Instrument :
MSVOA_U
ClientSampleId :

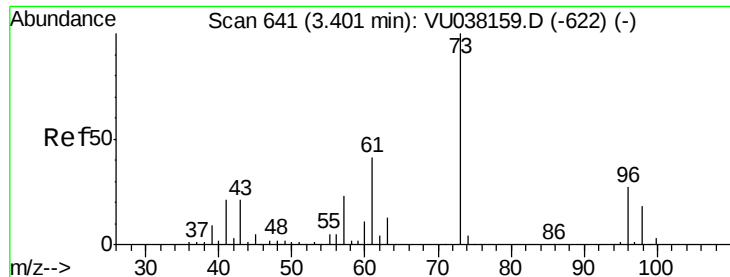
Tot Ion: 43 Resp: 71644
Ion Ratio Lower Upper
43 100
74 23.5 18.0 27.0



#16
Methylene chloride
Concen: 4.693 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038187.D
Acq: 15 May 2020 10:10

Tgt Ion: 84 Resp: 149372
Ion Ratio Lower Upper
84 100
86 63.3 44.9 83.3
49 131.4 92.0 170.9

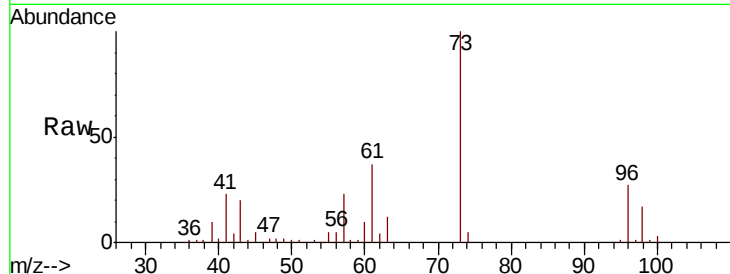




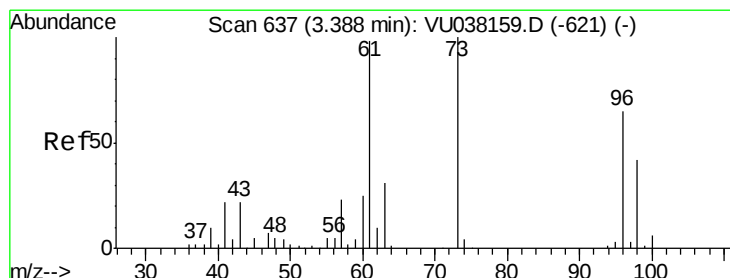
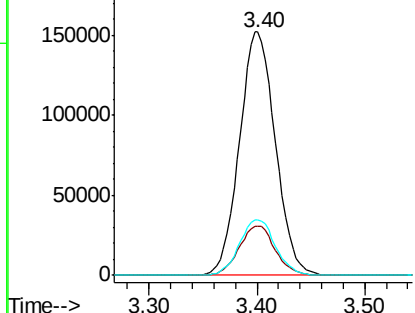
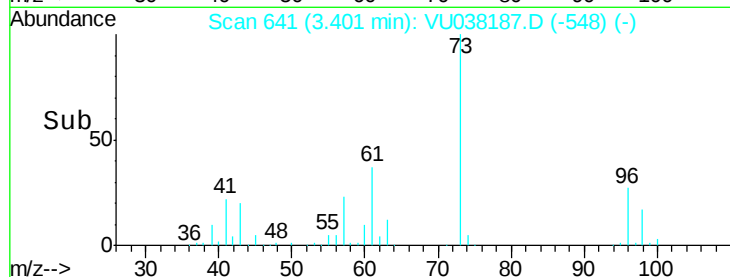
#17
Methvl tert-butvl Ether
Concen: 4.635 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038187.D
Acq: 15 May 2020 10:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 351630
Ion Ratio Lower Upper
73 100
43 20.1 16.9 25.3
57 23.1 18.2 27.2

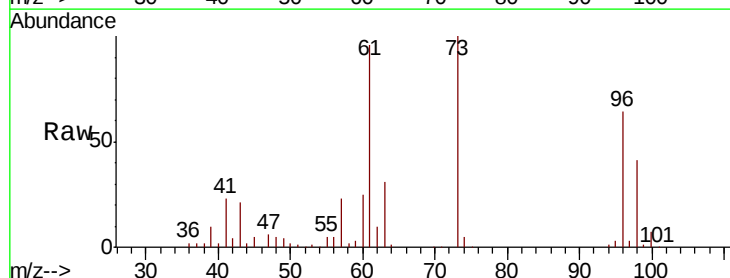


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

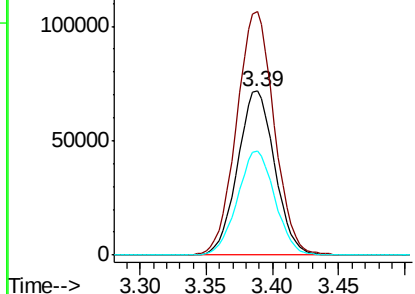
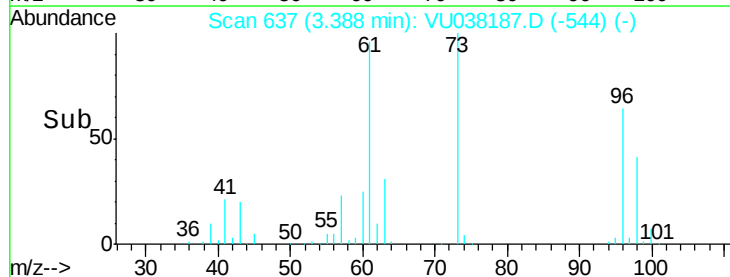


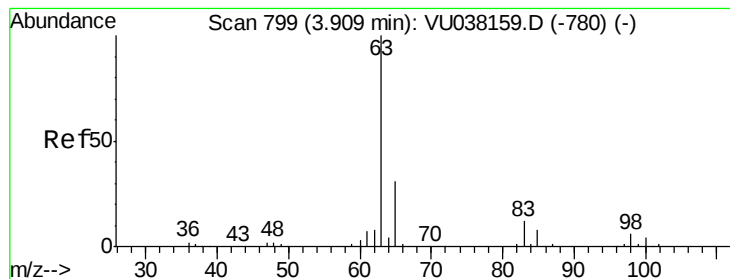
#18
trans-1,2-Dichloroethene
Concen: 4.687 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038187.D
Acq: 15 May 2020 10:10

Tgt Ion: 96 Resp: 139706
Ion Ratio Lower Upper
96 100
61 148.3 102.1 189.5
98 63.5 45.6 84.8



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: 4.746 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Instrument :

MSVOA_U

ClientSampled :

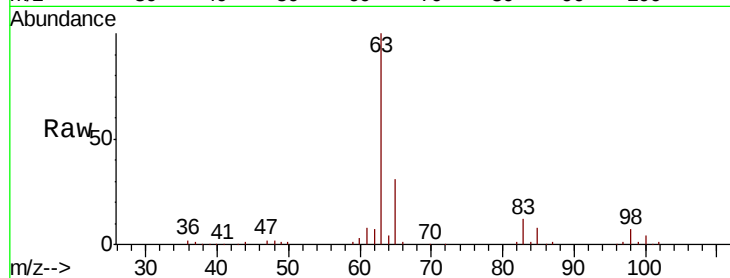
Tot Ion: 63 Resp: 276318

Ion Ratio Lower Upper

63 100

65 31.2 22.5 41.7

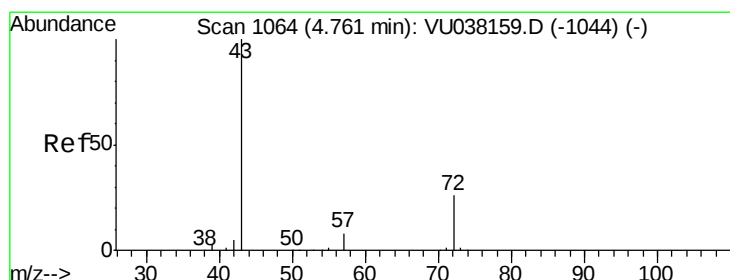
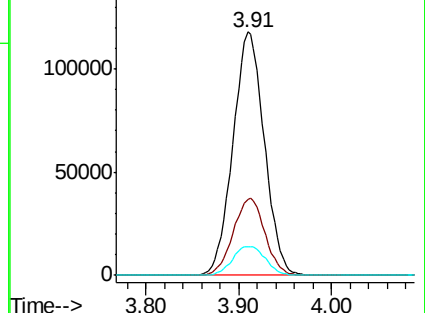
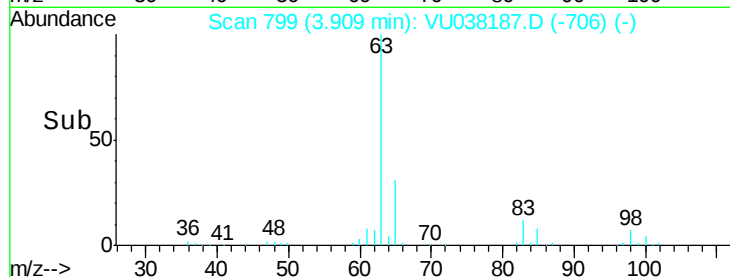
83 12.0 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU038187.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038187.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038187.D (-706) (-)



#21

2-Butanone

Concen: 52.655 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VU038187.D

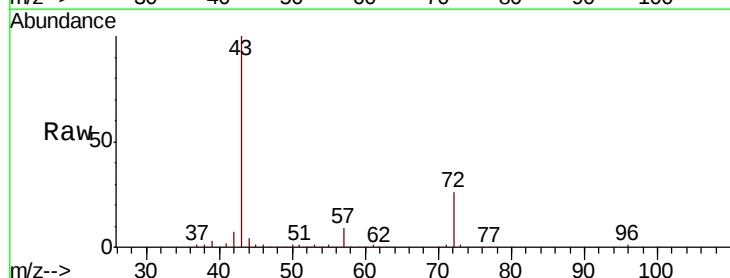
Acq: 15 May 2020 10:10

Tgt Ion: 43 Resp: 517730

Ion Ratio Lower Upper

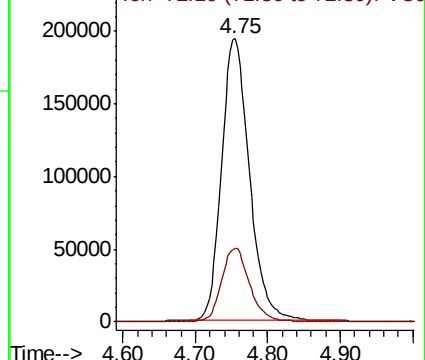
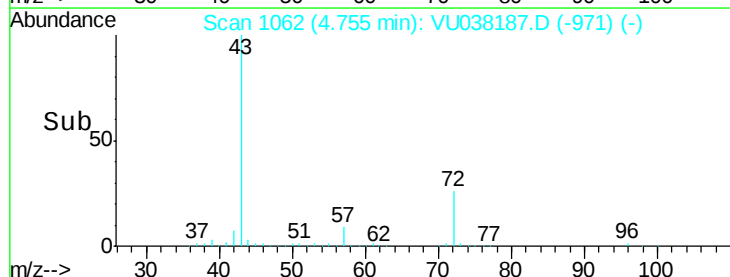
43 100

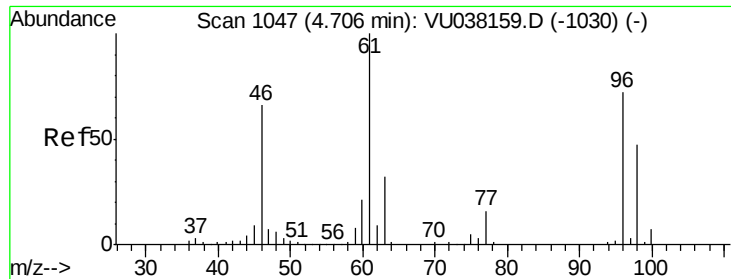
72 26.5 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU038187.D (-971) (-)

Ion 72.10 (71.80 to 72.80): VU038187.D (-971) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.753 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Instrument :
MSVOA_U
ClientSampled :

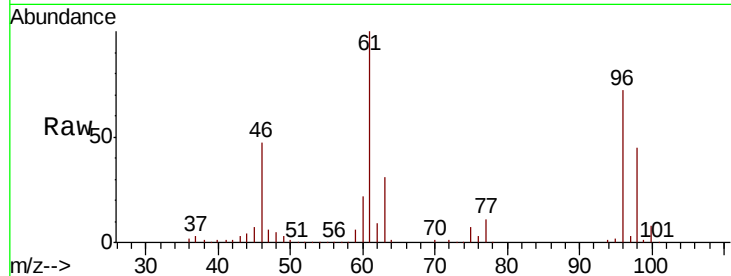
Tot Ion: 96 Resp: 152680

Ion Ratio Lower Upper

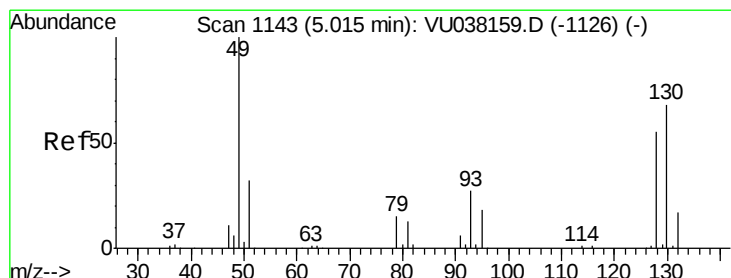
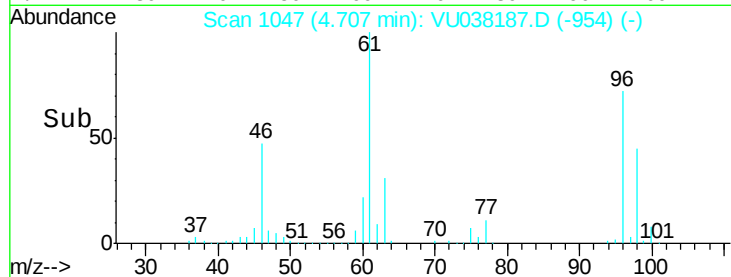
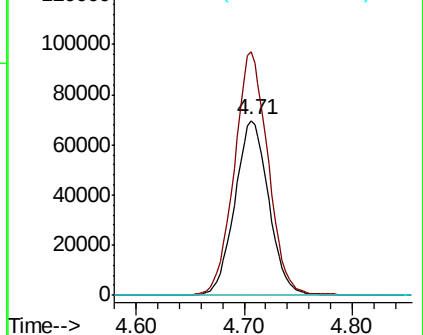
96 100

61 139.4 95.3 176.9

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: 4.828 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Tgt Ion: 128 Resp: 66742

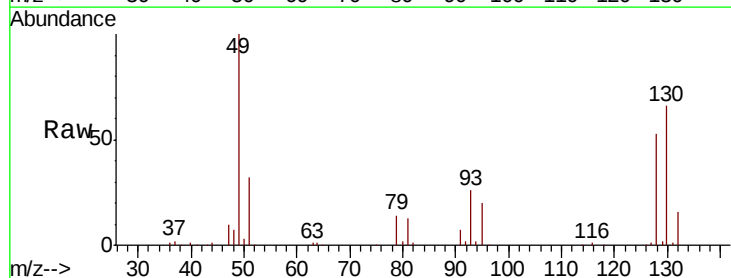
Ion Ratio Lower Upper

128 100

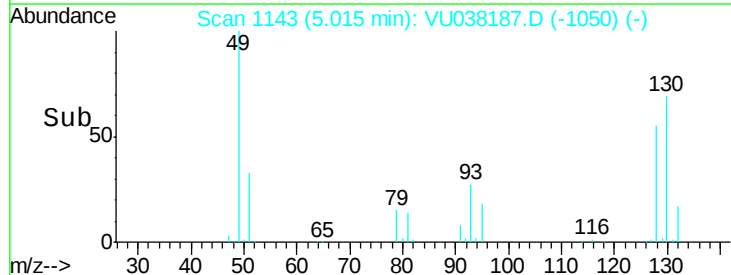
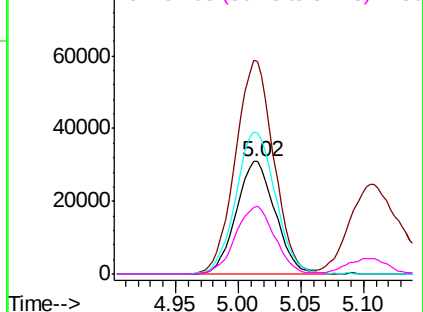
49 189.0 135.6 251.8

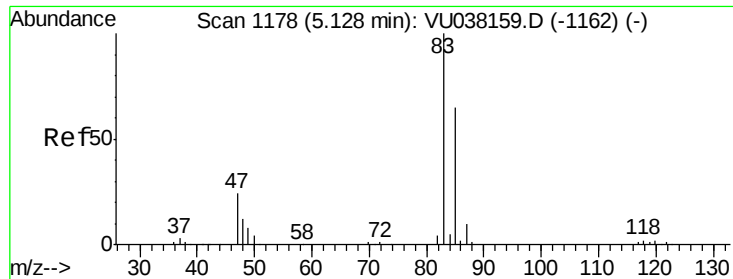
130 125.1 91.4 169.8

51 60.0 49.6 74.4



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

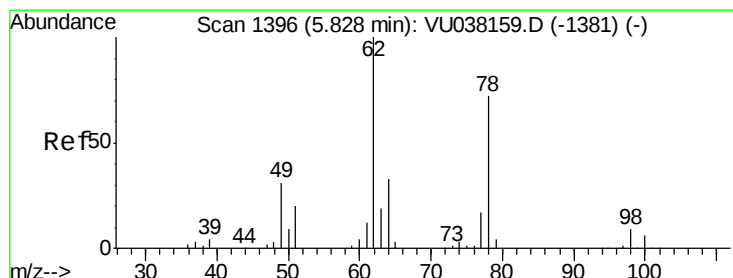
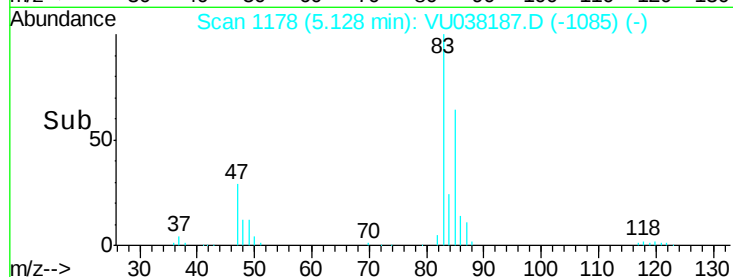
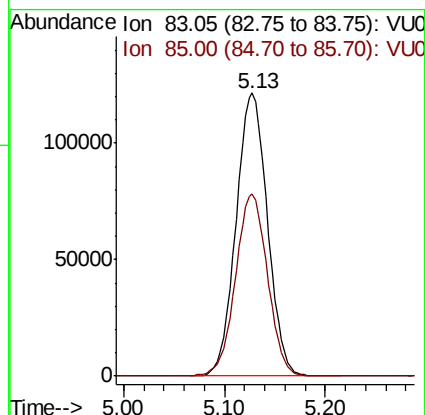
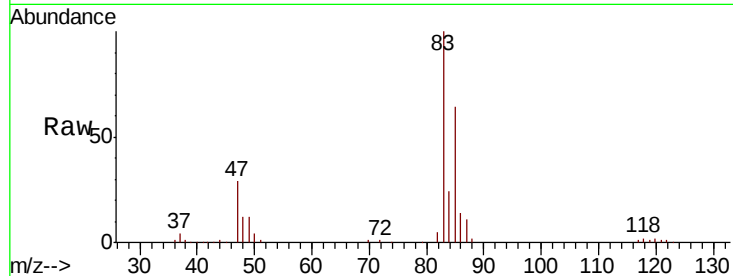




#25
Chloroform
Concen: 4.829 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038187.D
Acq: 15 May 2020 10:10

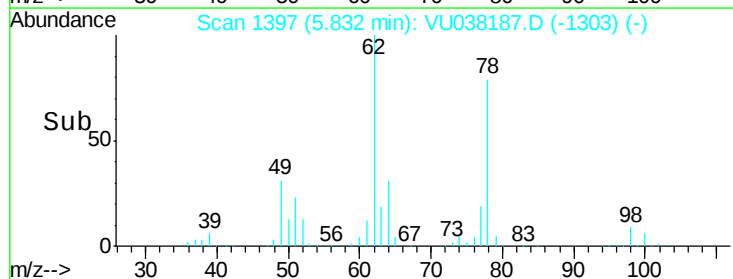
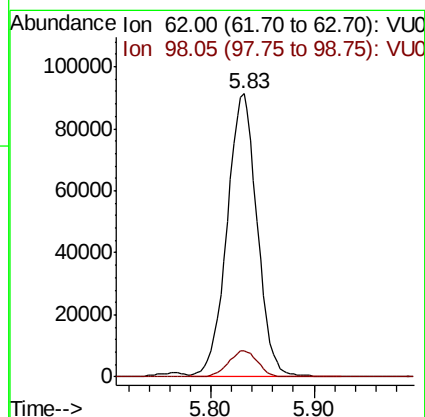
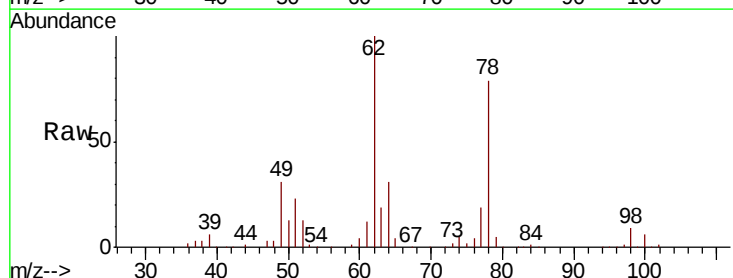
Instrument :
MSVOA_U
ClientSampleId :

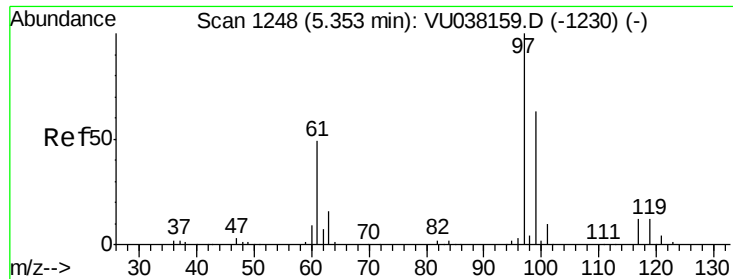
Tot Ion: 83 Resp: 262230
Ion Ratio Lower Upper
83 100
85 64.4 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.814 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU038187.D
Acq: 15 May 2020 10:10

Tgt Ion: 62 Resp: 184531
Ion Ratio Lower Upper
62 100
98 9.4 7.8 11.8

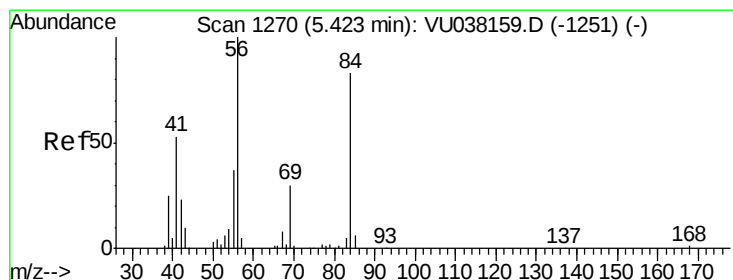
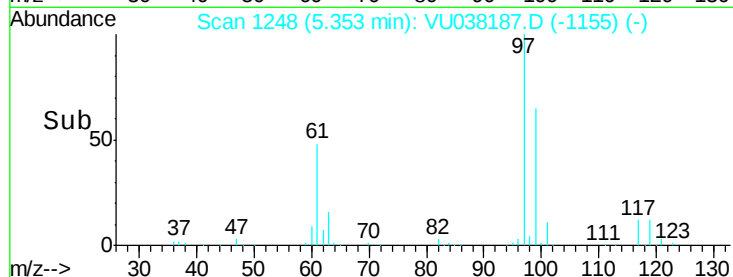
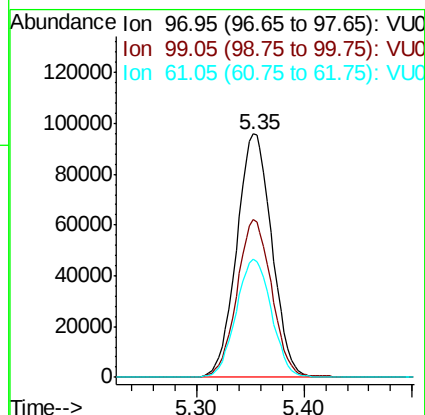
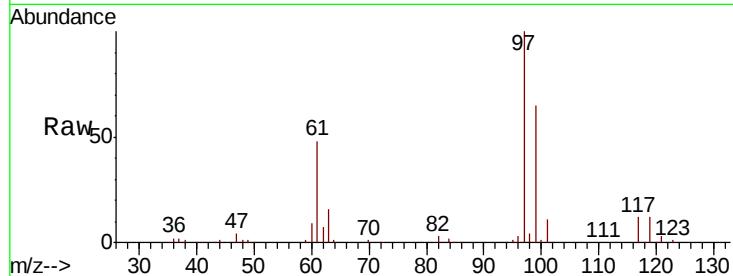




#29
 1,1,1-Trichloroethane
 Concen: 4.948 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038187.D
 Acq: 15 May 2020 10:10

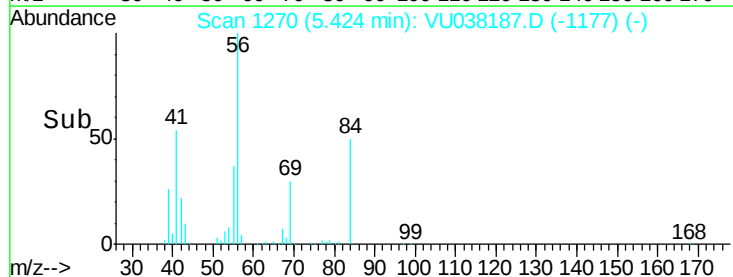
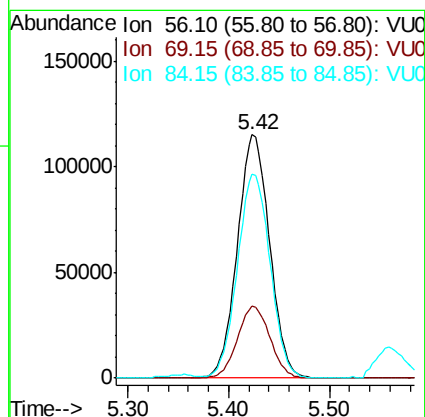
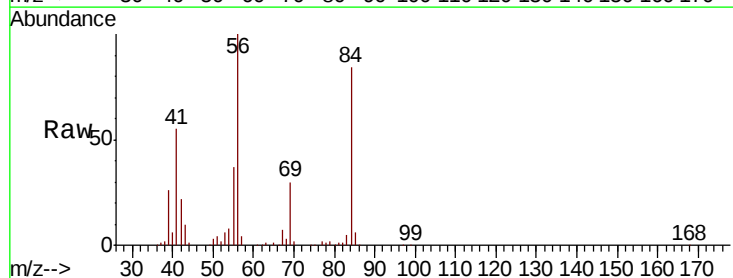
Instrument :
 MSVOA_U
 ClientSampleId :

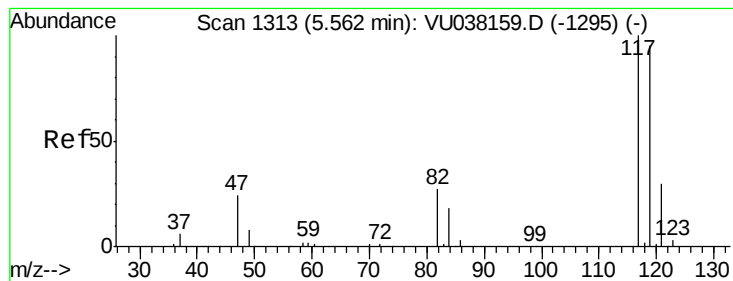
Tot Ion: 97 Resp: 217016
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.0 76.4
 61 48.9 38.2 57.4



#30
 Cyclohexane
 Concen: 4.932 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038187.D
 Acq: 15 May 2020 10:10

Tgt Ion: 56 Resp: 255423
 Ion Ratio Lower Upper
 56 100
 69 29.9 24.2 36.4
 84 85.1 68.5 102.7





#31

Carbon tetrachloride

Concen: 4.992 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Instrument :

MSVOA_U

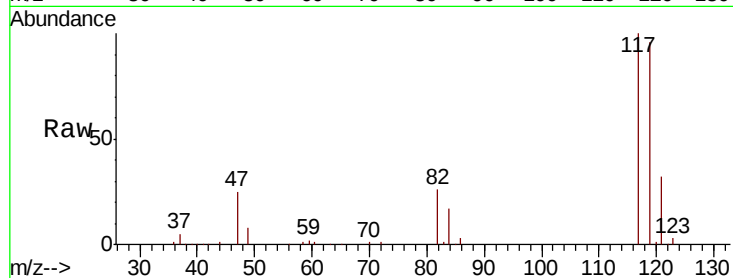
ClientSampleId :

Tot Ion:117 Resp: 175974

Ion Ratio Lower Upper

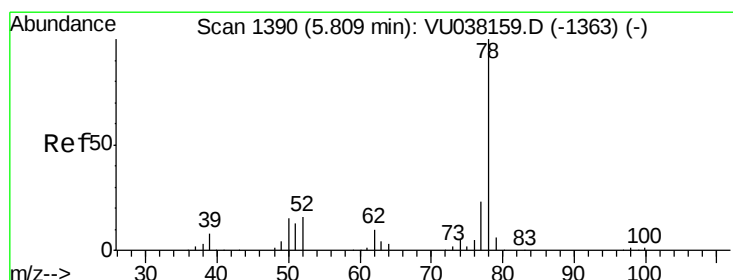
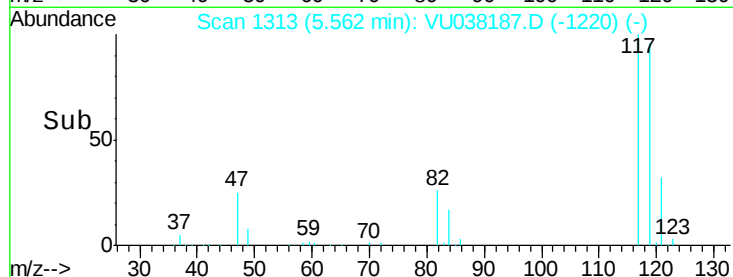
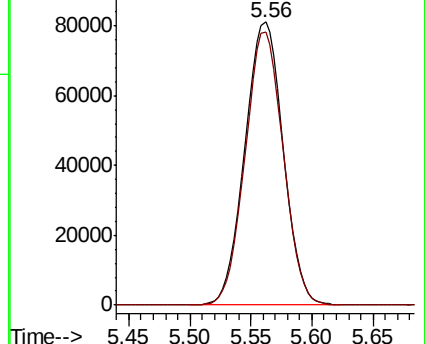
117 100

119 95.7 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.892 ug/L

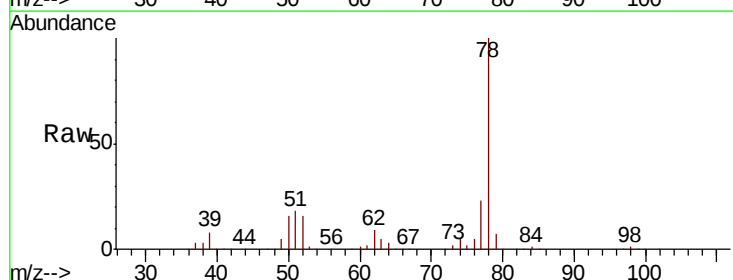
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

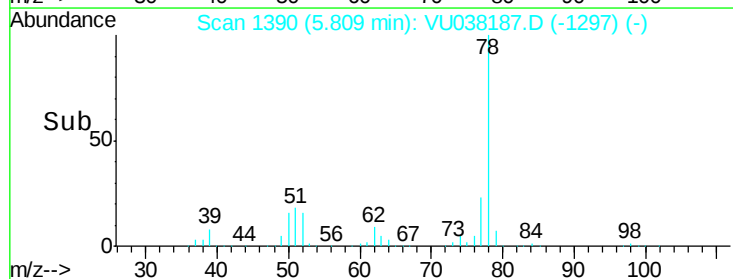
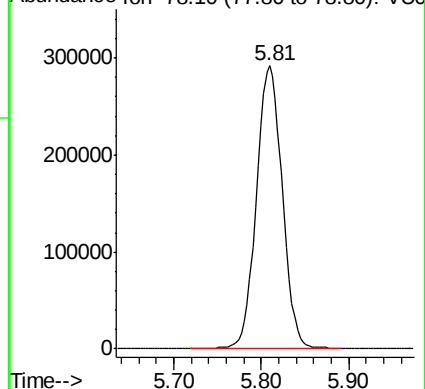
Lab File: VU038187.D

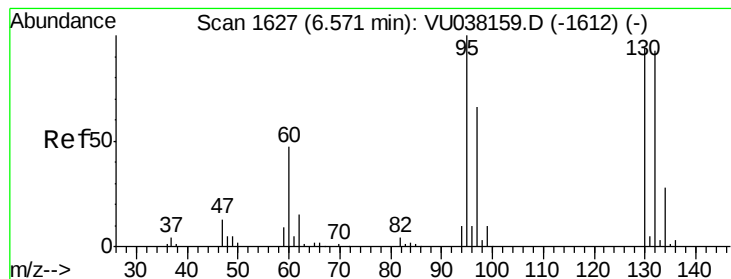
Acq: 15 May 2020 10:10

Tgt Ion: 78 Resp: 599725



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.891 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 149981

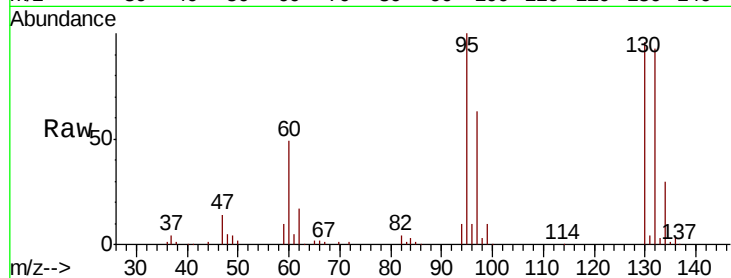
Ion Ratio Lower Upper

95 100

97 63.4 44.9 83.3

132 93.0 63.3 117.5

130 96.0 65.7 122.1

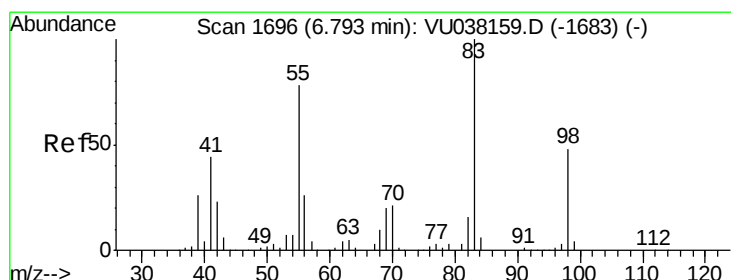
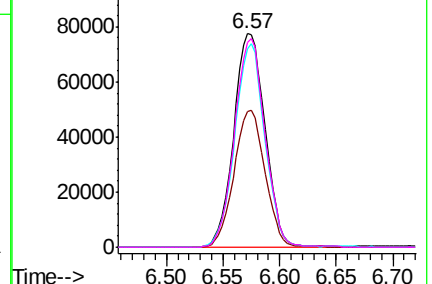
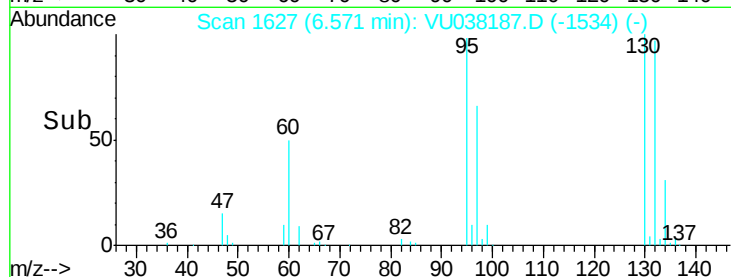


Abundance Ion 95.00 (94.70 to 95.70): VU038187.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038187.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038187.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038187.D (-1534) (-)



#35

Methylcyclohexane

Concen: 5.082 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

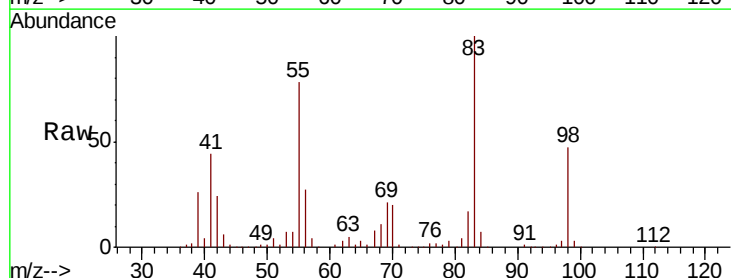
Tgt Ion: 83 Resp: 252400

Ion Ratio Lower Upper

83 100

55 81.3 66.7 100.1

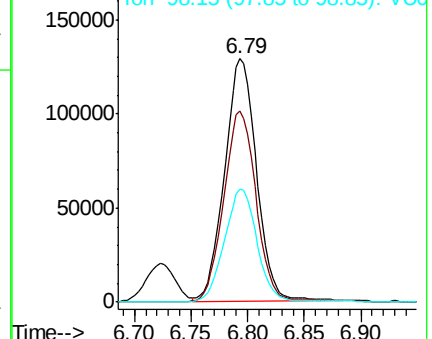
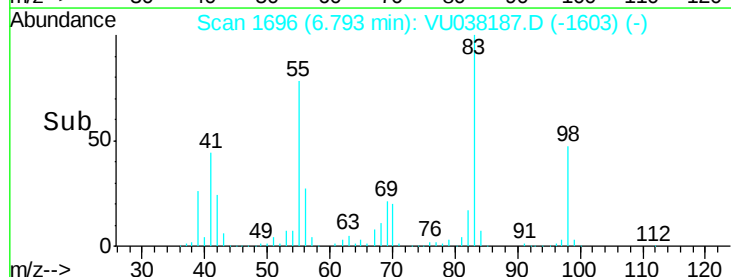
98 47.3 39.4 59.2

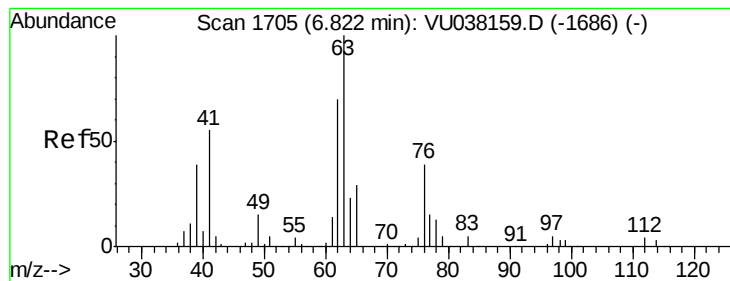


Abundance Ion 83.15 (82.85 to 83.85): VU038187.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU038187.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU038187.D (-1603) (-)





#37

1,2-Dichloropropane

Concen: 4.860 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Instrument :

MSVOA_U

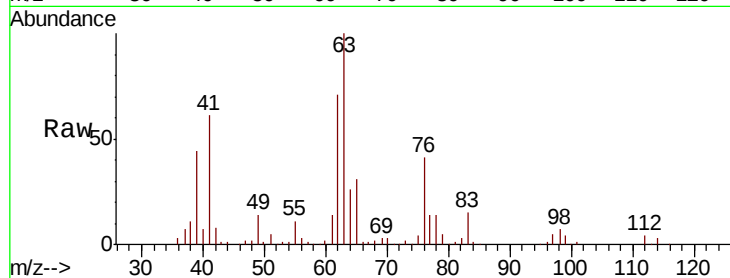
ClientSampled :

Tot Ion: 63 Resp: 161851

Ion Ratio Lower Upper

63 100

112 4.2 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU038187.D (-1612) (-)

Ion 112.10 (111.80 to 112.80): VU038187.D (-1612) (-)

6.82

80000

60000

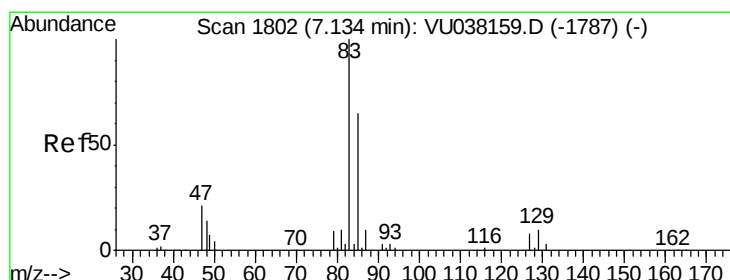
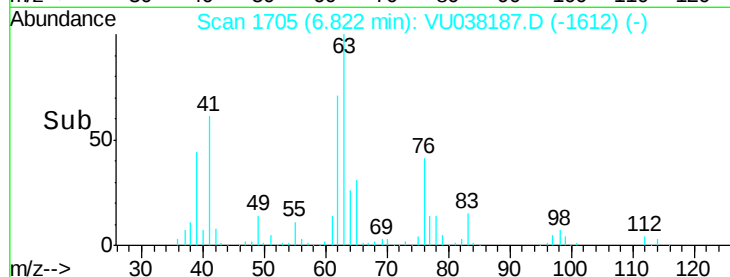
40000

20000

0

6.70 6.80 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.899 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

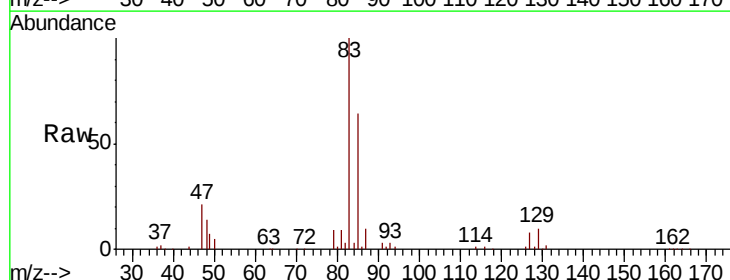
Tgt Ion: 83 Resp: 188592

Ion Ratio Lower Upper

83 100

85 64.2 44.6 82.8

127 8.2 6.4 9.6



Abundance Ion 82.95 (82.65 to 83.65): VU038187.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU038187.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU038187.D (-1709) (-)

7.14

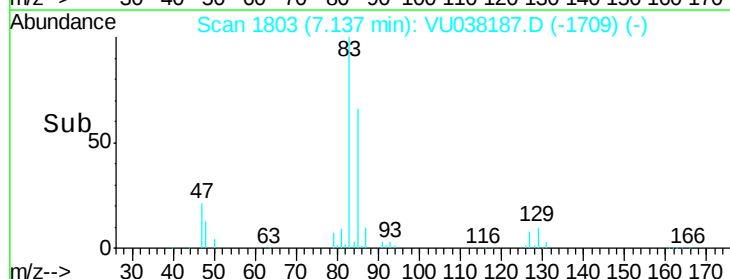
100000

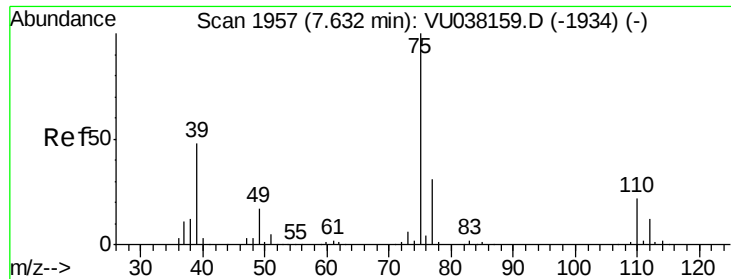
50000

0

7.05 7.10 7.15 7.20 7.25

Time-->

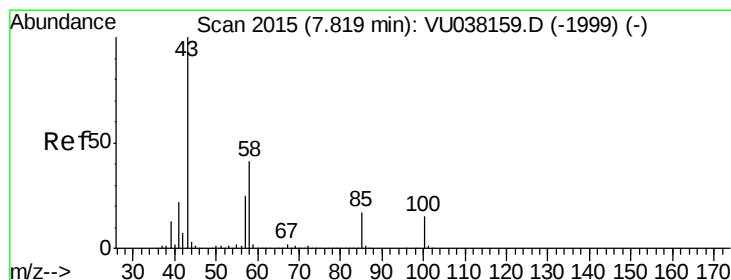
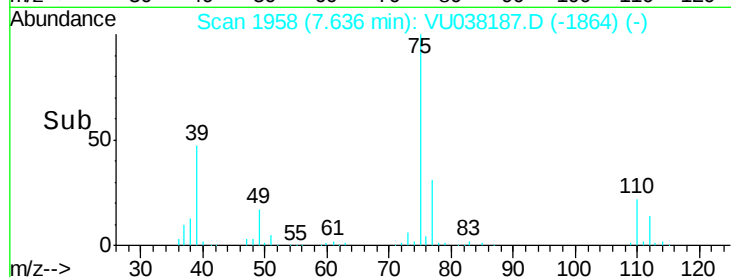
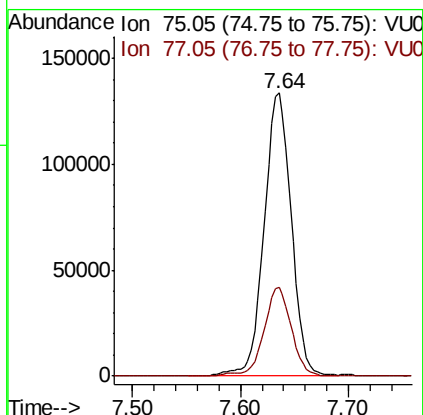
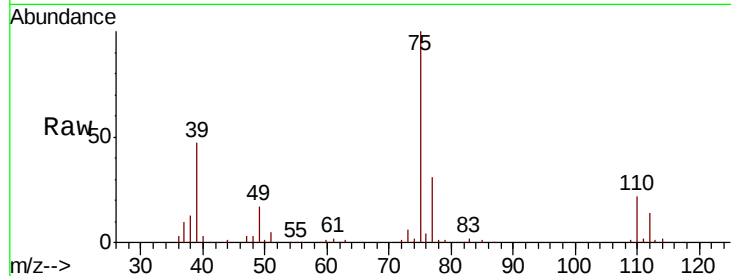




#39
 cis-1,3-Dichloropropene
 Concen: 4.910 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU038187.D
 Acq: 15 May 2020 10:10

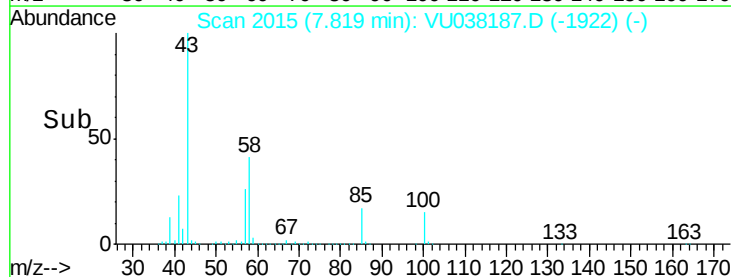
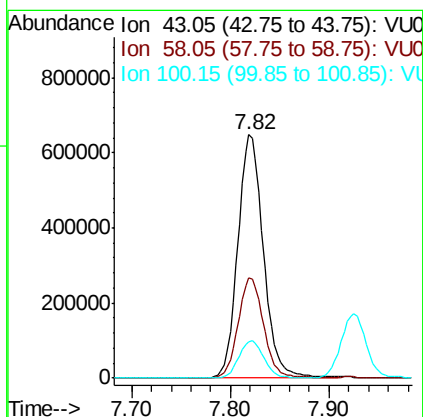
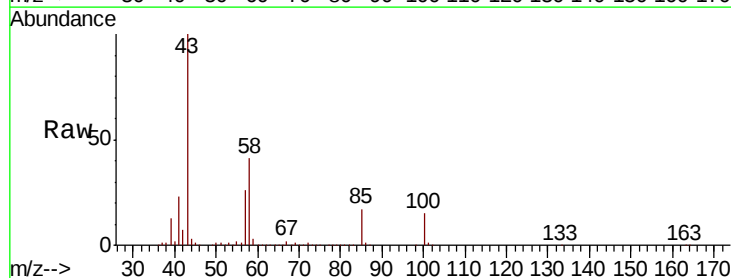
Instrument :
 MSVOA_U
 ClientSampled :

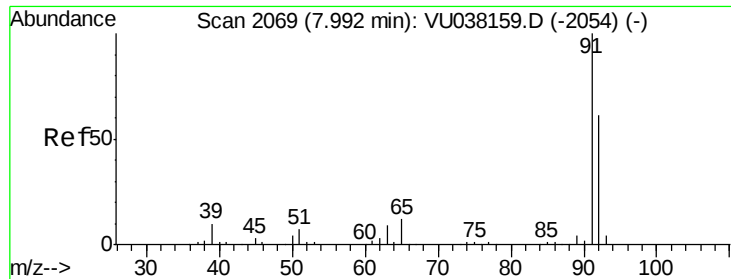
Tot Ion: 75 Resp: 233979
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 50.606 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038187.D
 Acq: 15 May 2020 10:10

Tgt Ion: 43 Resp: 1167927
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.2 48.4
 100 15.1 12.1 18.1





#42

Toluene

Concen: 4.913 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Instrument :

MSVOA_U

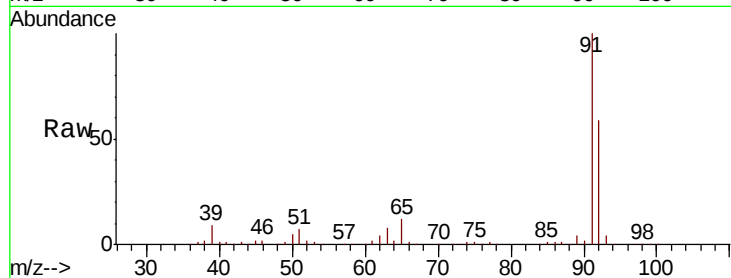
ClientSampled :

Tot Ion: 91 Resp: 635811

Ion Ratio Lower Upper

91 100

92 58.9 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038187.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU038187.D (-1976) (-)

8.00

400000

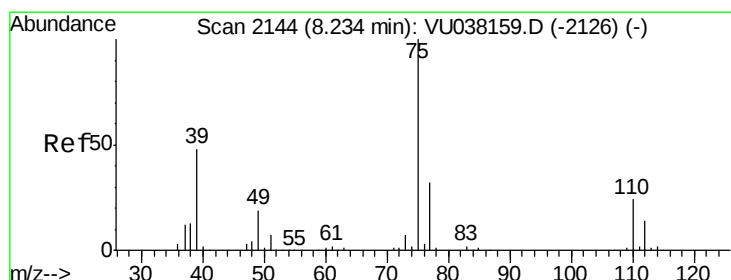
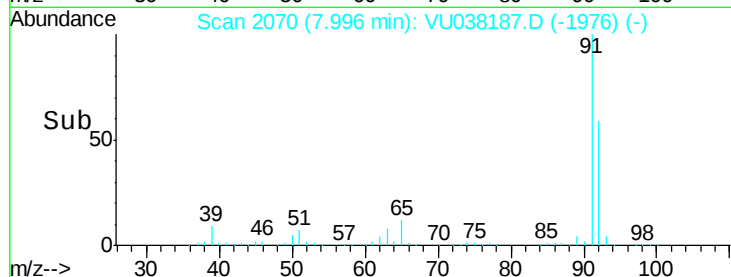
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.849 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU038187.D

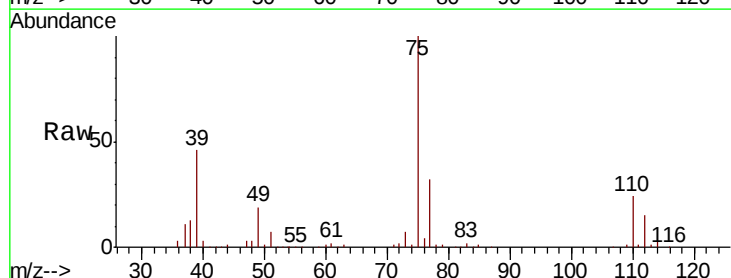
Acq: 15 May 2020 10:10

Tgt Ion: 75 Resp: 196493

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038187.D (-2051) (-)

Ion 77.05 (76.75 to 77.75): VU038187.D (-2051) (-)

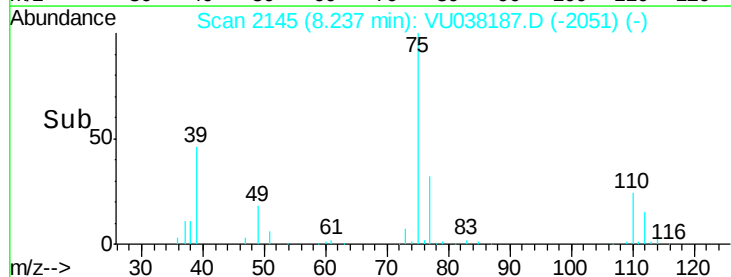
8.24

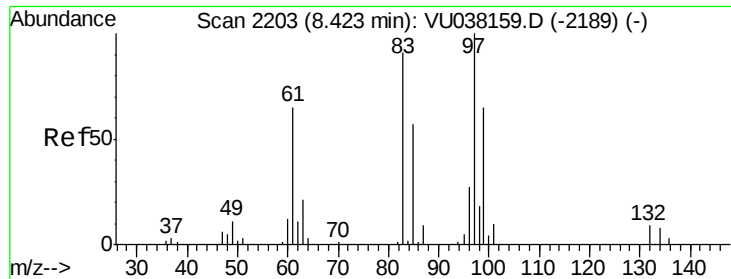
100000

50000

0

Time-->

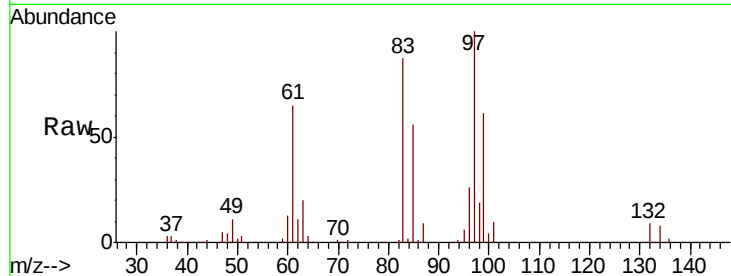




#45
1,1,2-Trichloroethane
Concen: 4.944 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU038187.D
Acq: 15 May 2020 10:10

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	97	Resp:	114319
Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.0	81.6
83	87.0	59.6	110.8
85	56.2	41.3	76.7

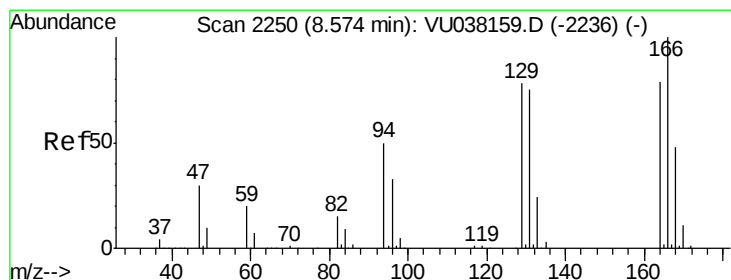
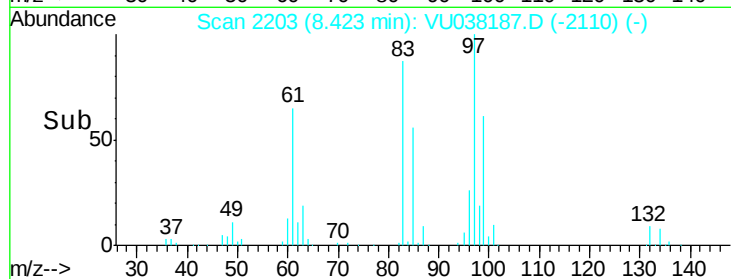
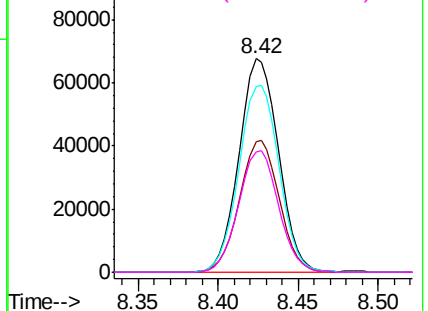


Abundance Ion 96.95 (96.65 to 97.65): VU038187.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU038187.D (-2110) (-)

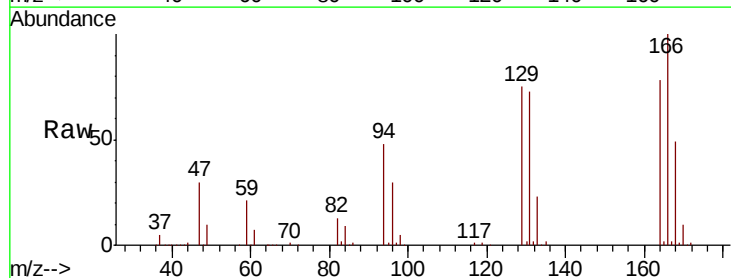
Ion 82.95 (82.65 to 83.65): VU038187.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU038187.D (-2110) (-)



#47
Tetrachloroethene
Concen: 5.003 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.00 min
Lab File: VU038187.D
Acq: 15 May 2020 10:10

Tgt Ion:	164	Resp:	107306
Ion	Ratio	Lower	Upper
164	100		
129	96.9	68.8	127.8
131	93.9	66.8	124.2
166	128.5	88.9	165.1

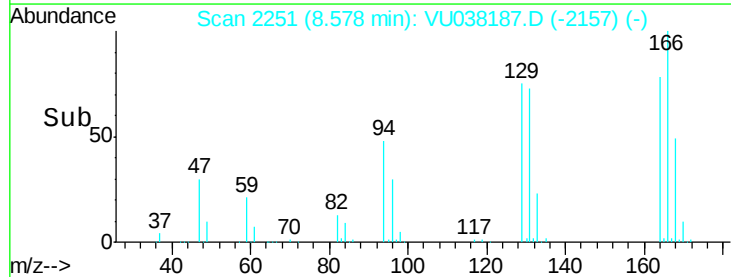
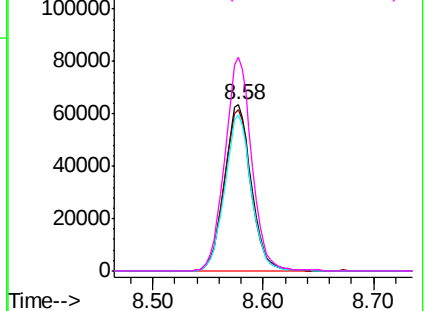


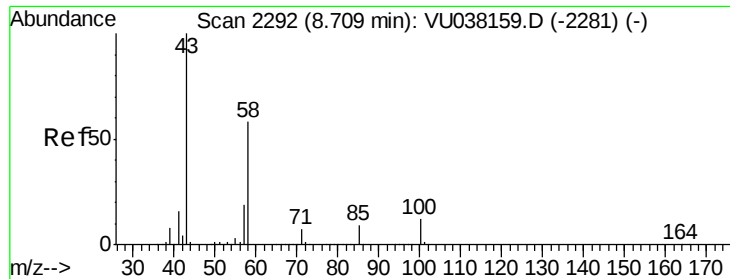
Abundance Ion 163.90 (163.60 to 164.60): VU038187.D (-2157) (-)

Ion 128.95 (128.65 to 129.65): VU038187.D (-2157) (-)

Ion 130.95 (130.65 to 131.65): VU038187.D (-2157) (-)

Ion 165.90 (165.60 to 166.60): VU038187.D (-2157) (-)

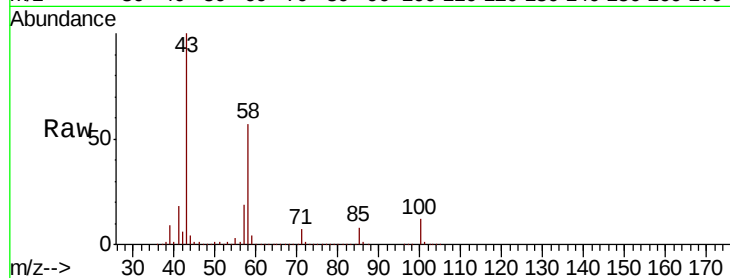




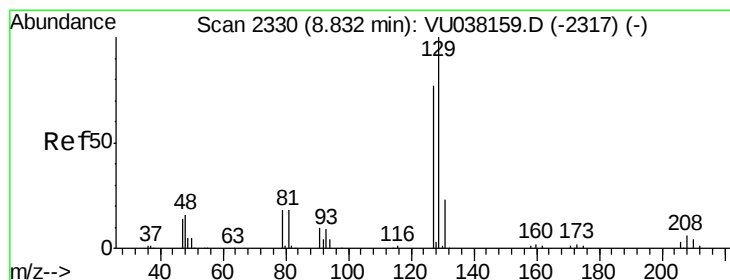
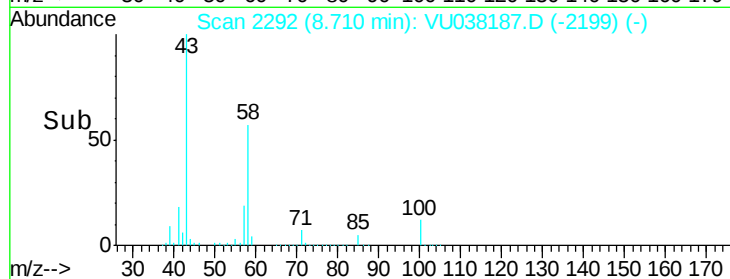
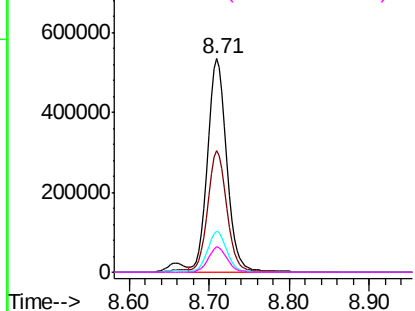
#48
2-Hexanone
Concen: 53.158 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038187.D
Acq: 15 May 2020 10:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 898456
Ion Ratio Lower Upper
43 100
58 55.8 45.2 67.8
57 19.0 15.5 23.3
100 11.8 9.5 14.3

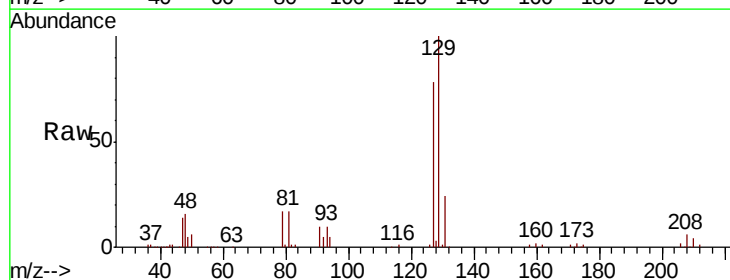


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

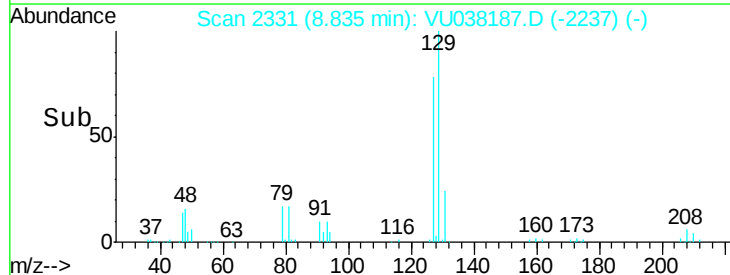
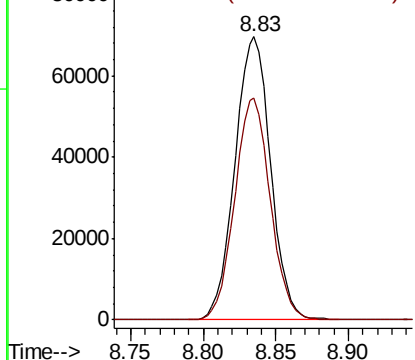


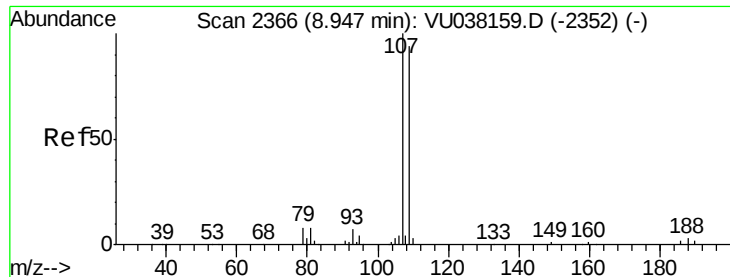
#49
Dibromochloromethane
Concen: 4.956 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU038187.D
Acq: 15 May 2020 10:10

Tgt Ion: 129 Resp: 118946
Ion Ratio Lower Upper
129 100
127 78.2 55.6 103.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

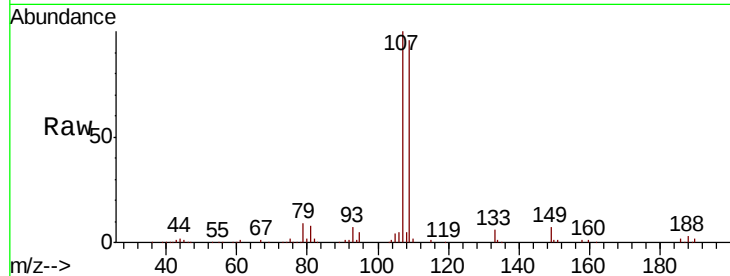




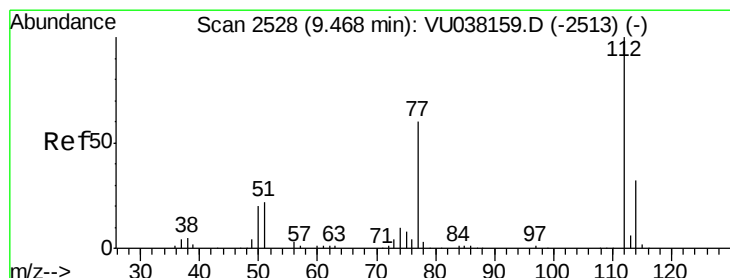
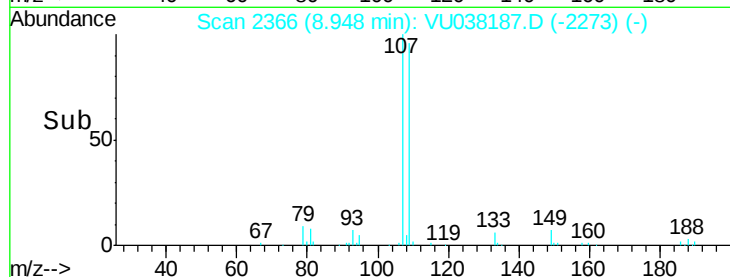
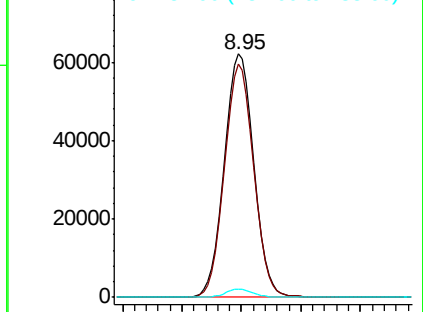
#50
 1,2-Dibromoethane
 Concen: 4.988 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU038187.D
 Acq: 15 May 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	65.1	120.9
188	3.5	2.6	4.0

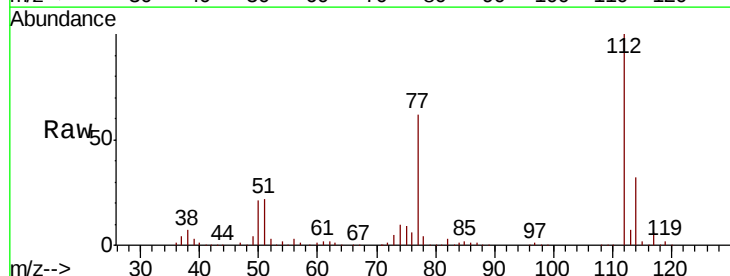


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

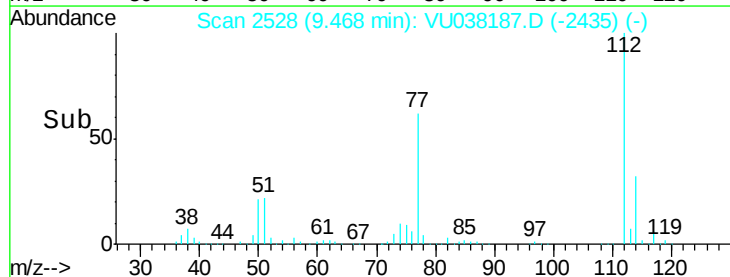
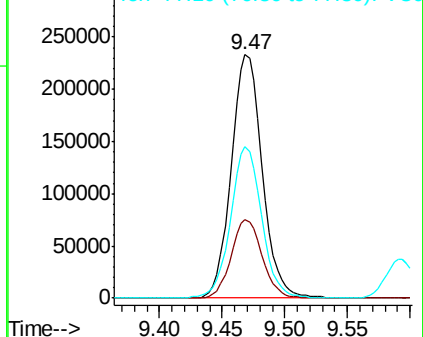


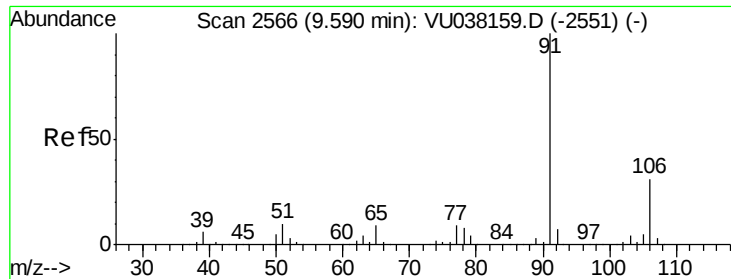
#51
 Chlorobenzene
 Concen: 4.984 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU038187.D
 Acq: 15 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.5	41.7
77	62.2	49.9	74.9



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): V





#52

Ethylbenzene

Concen: 5.002 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Instrument :

MSVOA_U

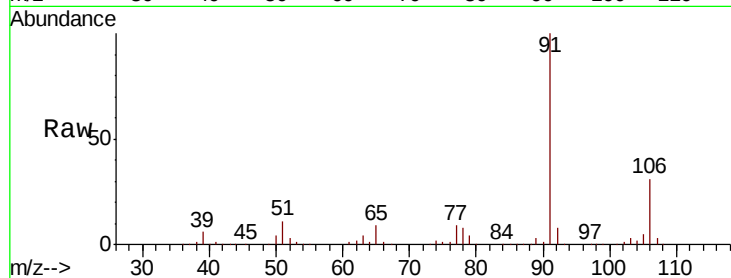
ClientSampleId :

Tot Ion: 91 Resp: 701254

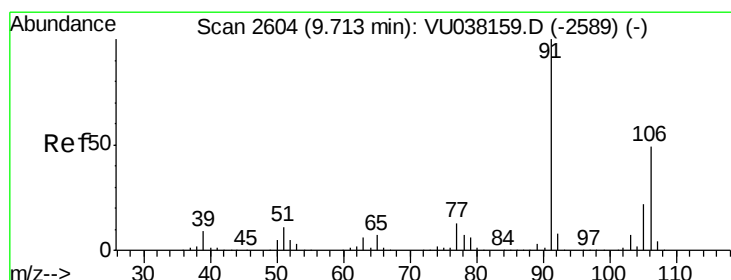
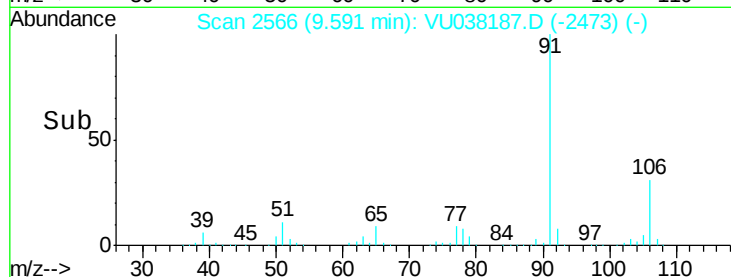
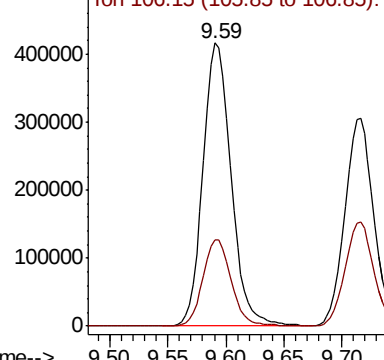
Ion Ratio Lower Upper

91 100

106 30.7 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038187.D (-2551) (-)



#53

m,p-Xylene

Concen: 5.047 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU038187.D

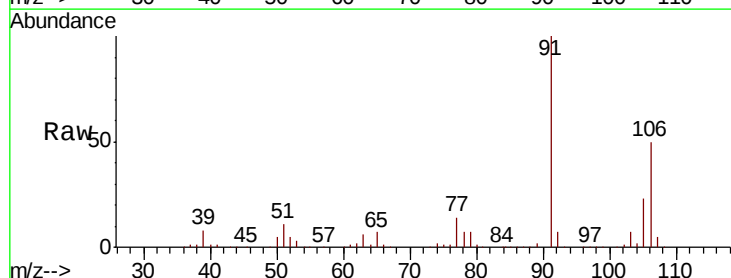
Acq: 15 May 2020 10:10

Tgt Ion: 106 Resp: 271272

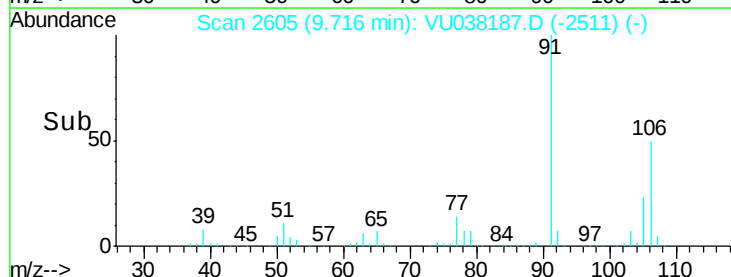
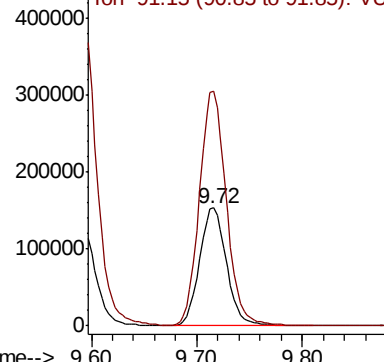
Ion Ratio Lower Upper

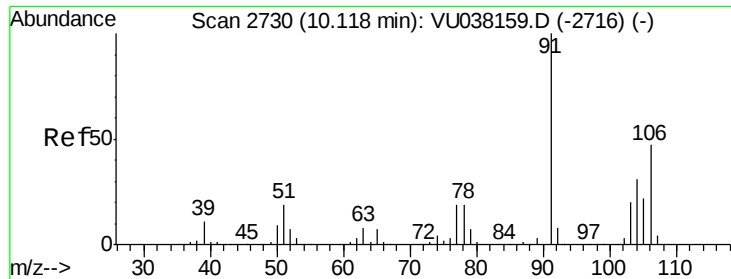
106 100

91 199.5 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038187.D (-2589) (-)

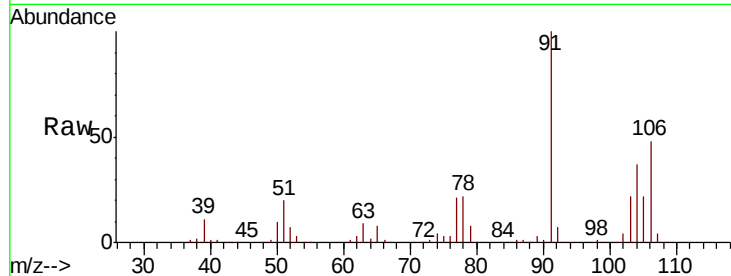




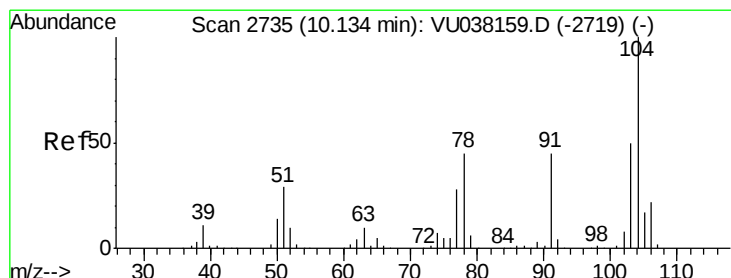
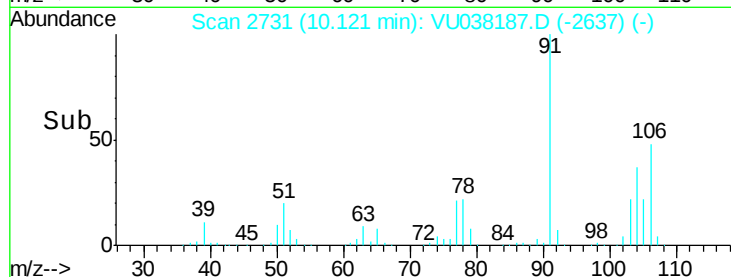
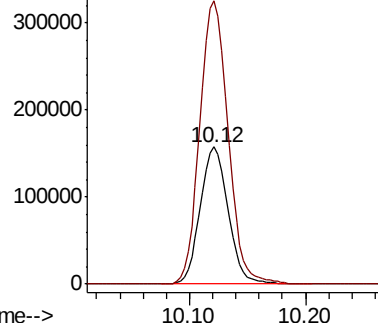
#54
o-Xylene
Concen: 5.027 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU038187.D
Acq: 15 May 2020 10:10

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 261249
Ion Ratio Lower Upper
106 100
91 206.7 148.5 275.9

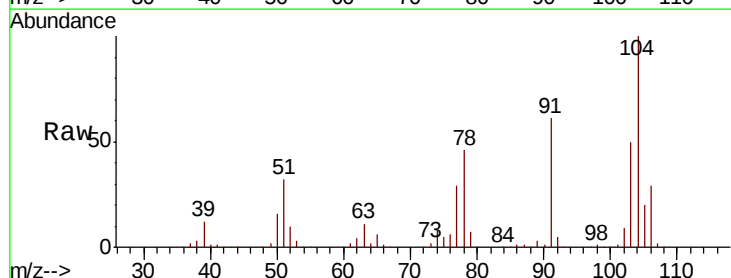


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

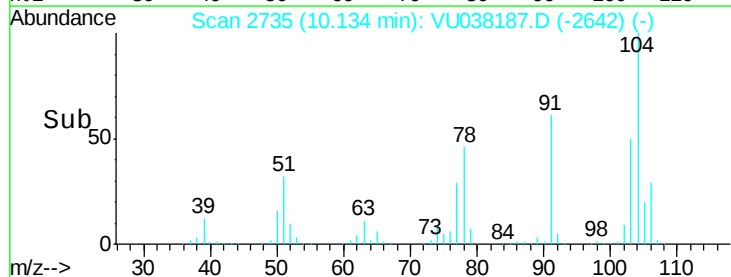
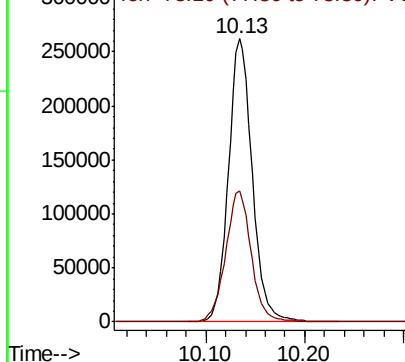


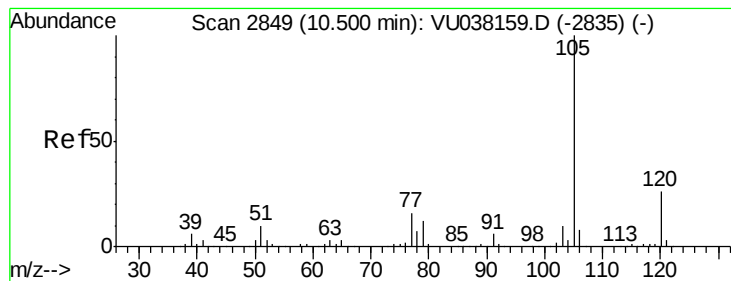
#55
Styrene
Concen: 5.051 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038187.D
Acq: 15 May 2020 10:10

Tgt Ion:104 Resp: 440683
Ion Ratio Lower Upper
104 100
78 46.2 32.3 59.9



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





#56

Isopropylbenzene

Concen: 5.090 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Instrument :

MSVOA_U

ClientSampled :

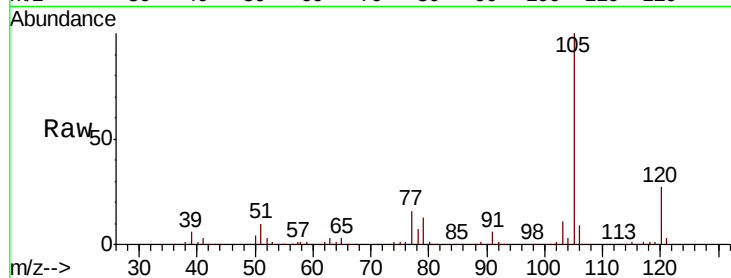
Tot Ion:105 Resp: 679525

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

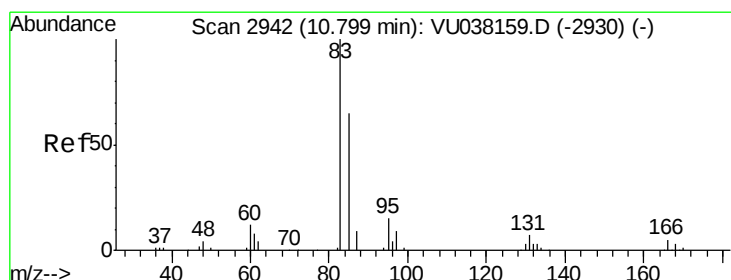
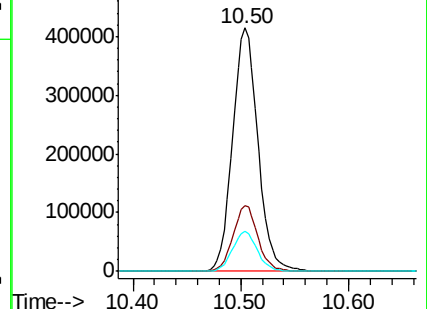
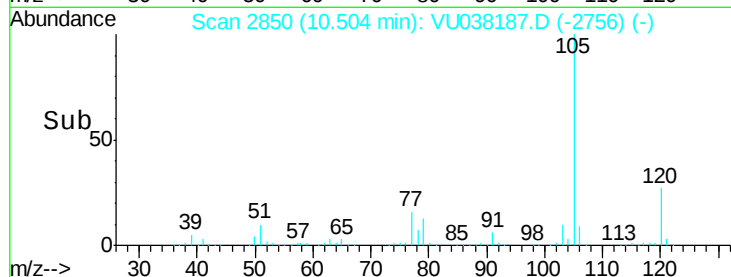
77 16.1 13.0 19.4



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: 5.029 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

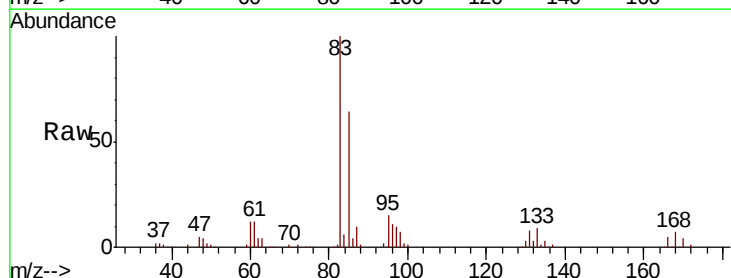
Tgt Ion: 83 Resp: 147656

Ion Ratio Lower Upper

83 100

85 64.0 47.0 87.2

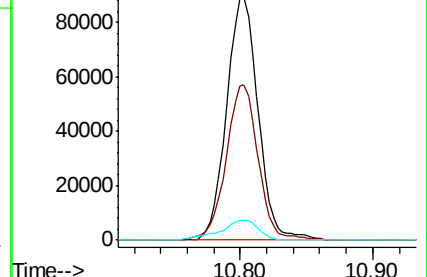
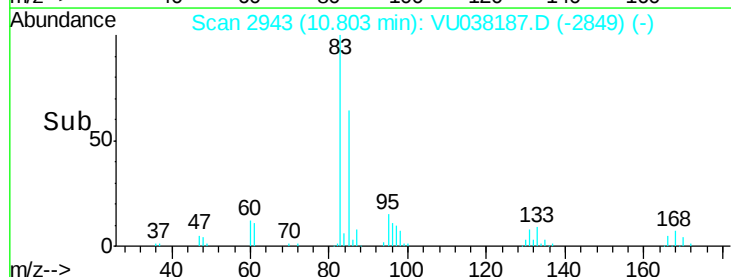
131 8.3 7.7 11.5

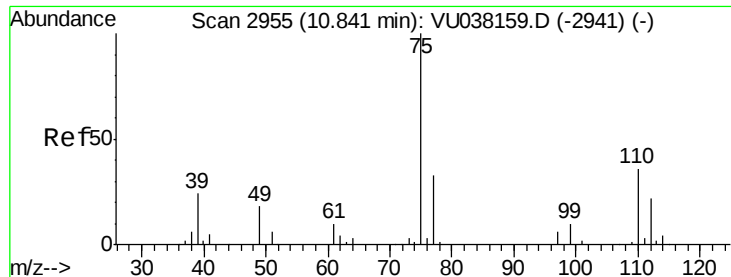


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

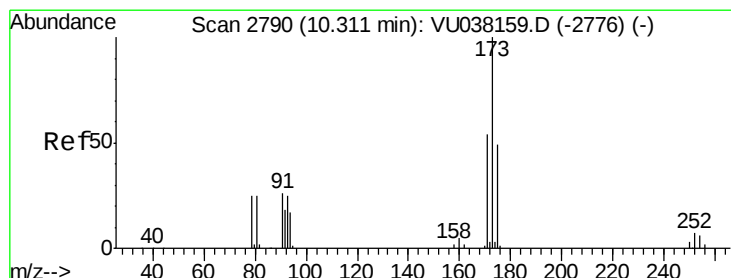
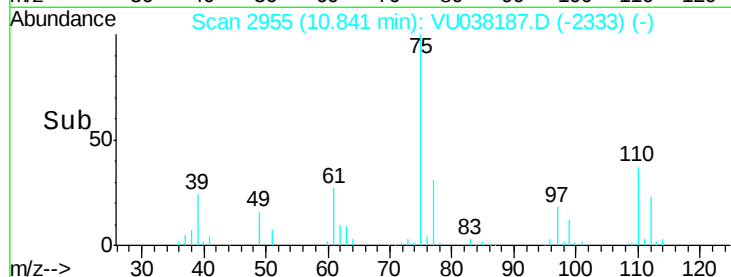
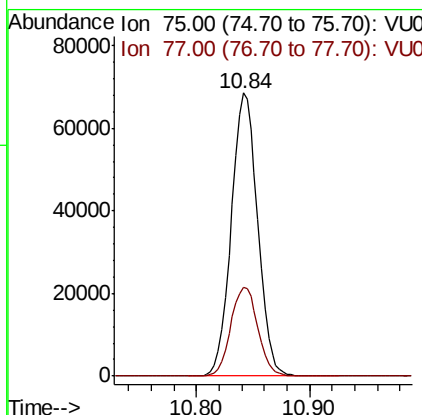
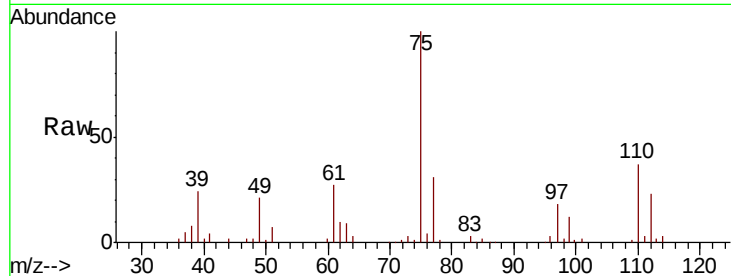




#59
 1,2,3-Trichloropropane
 Concen: 4.968 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. 0.00 min
 Lab File: VU038187.D
 Acq: 15 May 2020 10:10

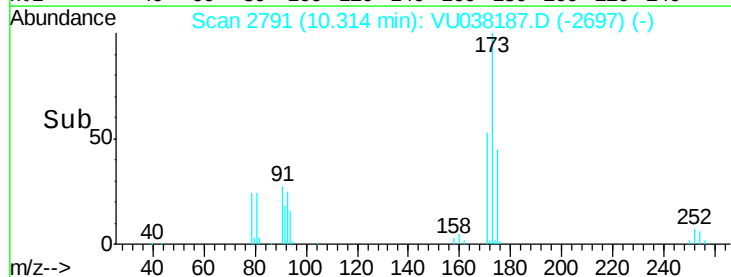
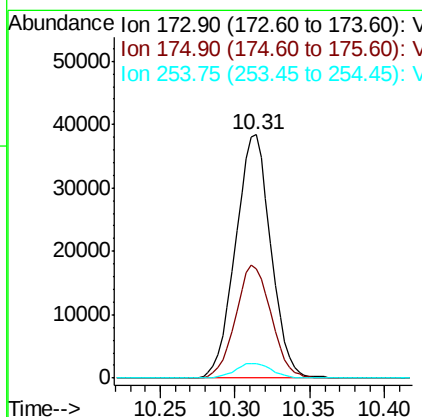
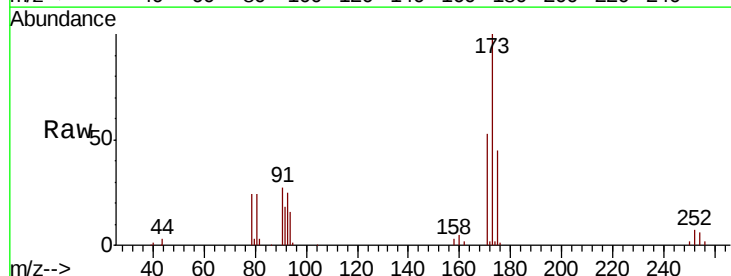
Instrument :
 MSVOA_U
 ClientSampleId :

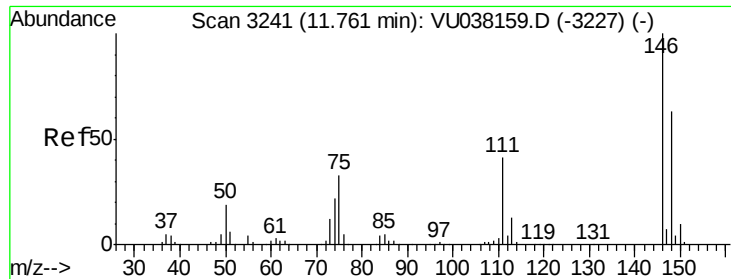
Tot Ion: 75 Resp: 111037
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.0



#61
 Bromoform
 Concen: 4.857 ug/L
 RT: 10.31 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VU038187.D
 Acq: 15 May 2020 10:10

Tgt Ion: 173 Resp: 63126
 Ion Ratio Lower Upper
 173 100
 175 46.8 39.5 59.3
 254 6.1 5.0 7.4





#62

1,3-Dichlorobenzene

Concen: 4.938 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Instrument :

MSVOA_U

ClientSampled :

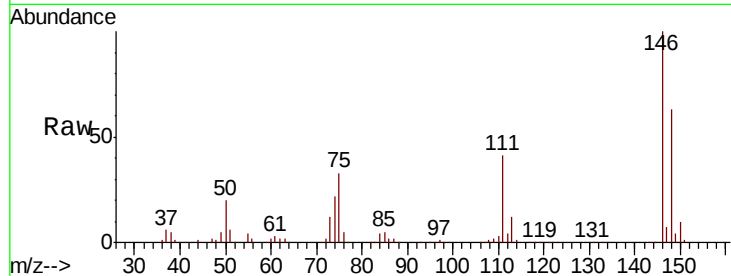
Tot Ion:146 Resp: 308925

Ion Ratio Lower Upper

146 100

111 41.0 28.6 53.2

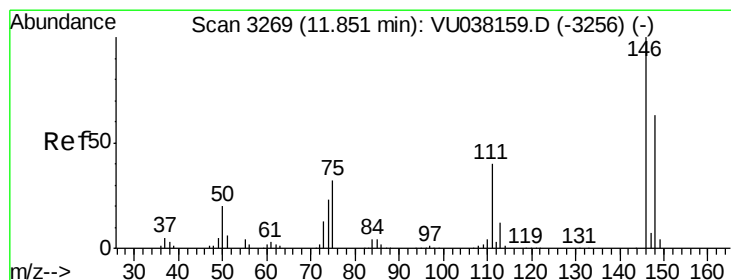
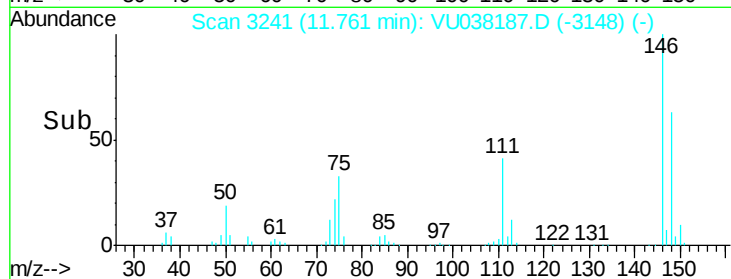
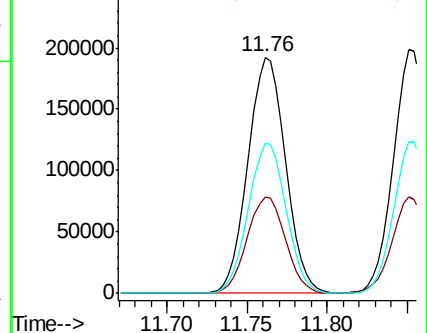
148 63.4 45.2 84.0



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



#63

1,4-Dichlorobenzene

Concen: 4.926 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

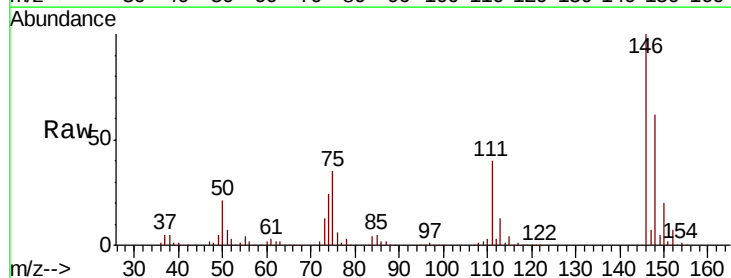
Tgt Ion:146 Resp: 312331

Ion Ratio Lower Upper

146 100

111 39.7 27.2 50.6

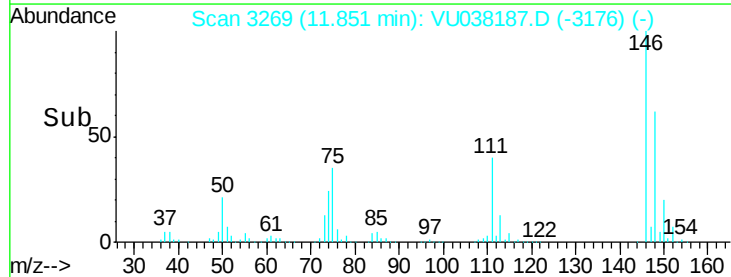
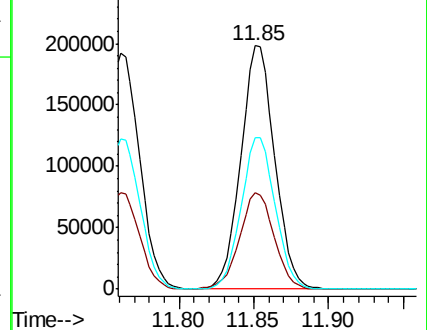
148 62.1 43.8 81.3

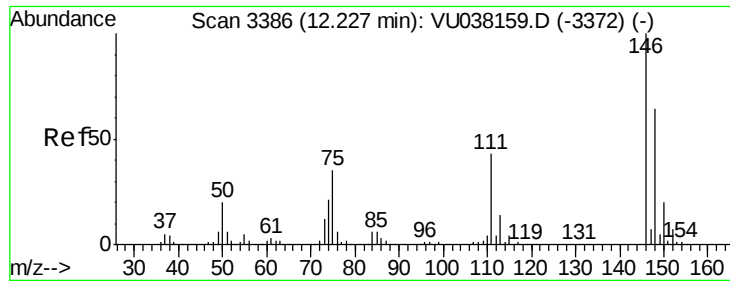


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.849 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Instrument :

MSVOA_U

ClientSampled :

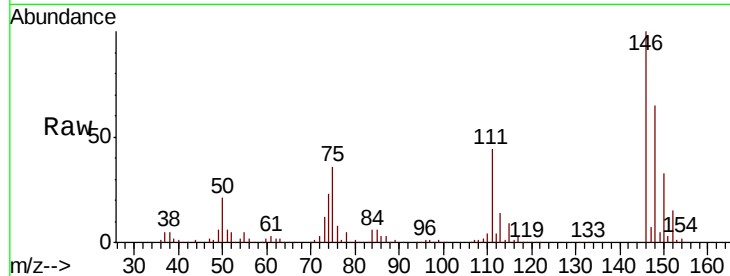
Tot Ion:146 Resp: 291904

Ion Ratio Lower Upper

146 100

111 44.4 35.3 52.9

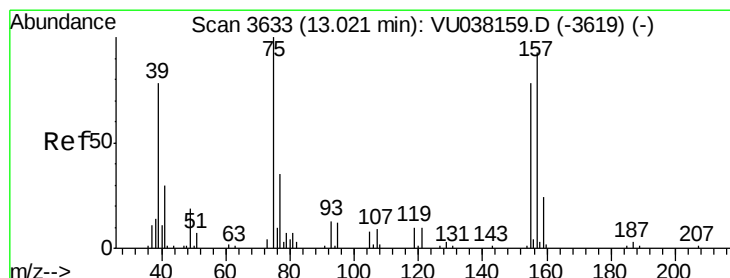
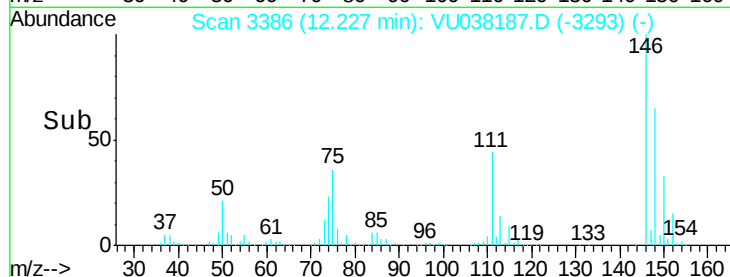
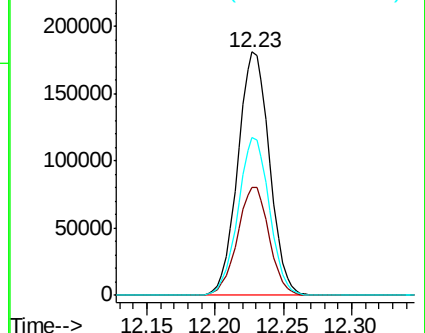
148 64.7 51.0 76.4



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: 4.593 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

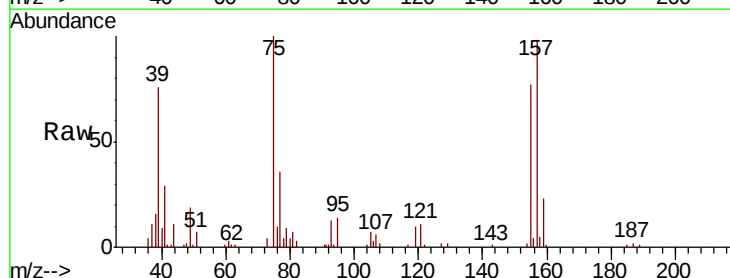
Tgt Ion: 75 Resp: 22595

Ion Ratio Lower Upper

75 100

155 76.6 58.2 87.2

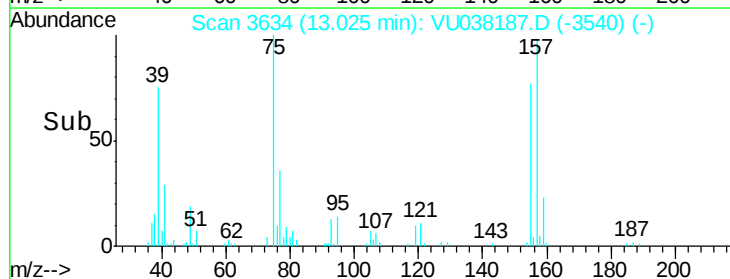
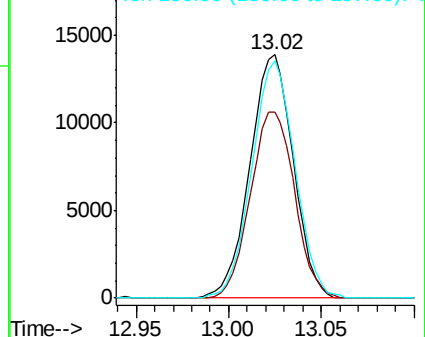
157 97.5 72.9 109.3

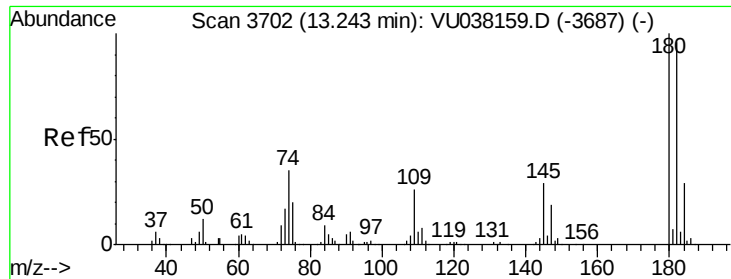


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

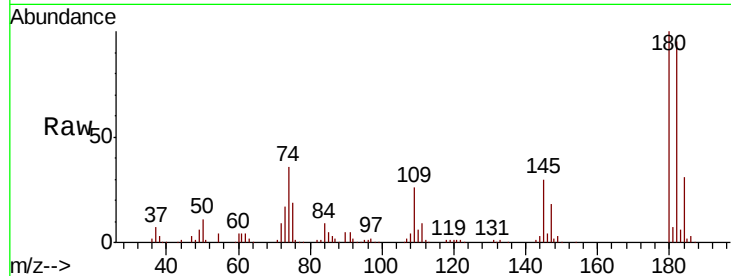




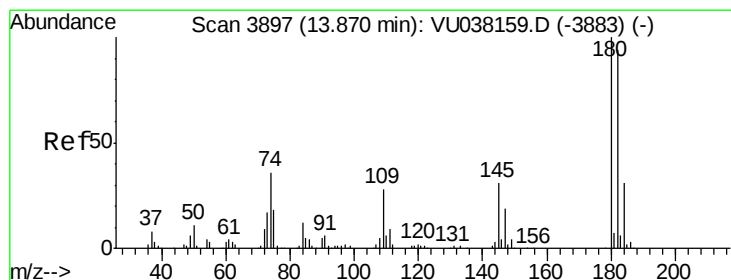
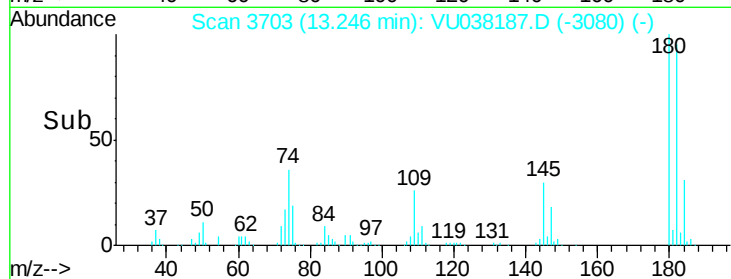
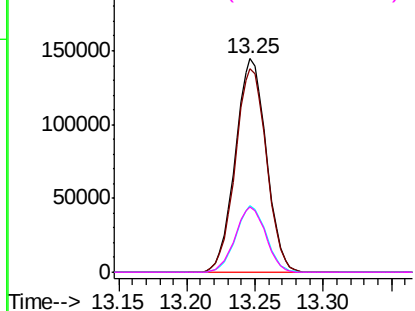
#67
 1,3,5-Trichlorobenzene
 Concen: 5.024 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU038187.D
 Acq: 15 May 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	228091
Ion Ratio	Lower	Upper
180	100	
182	95.7	77.4 116.2
184	30.2	24.2 36.2
145	30.0	24.0 36.0

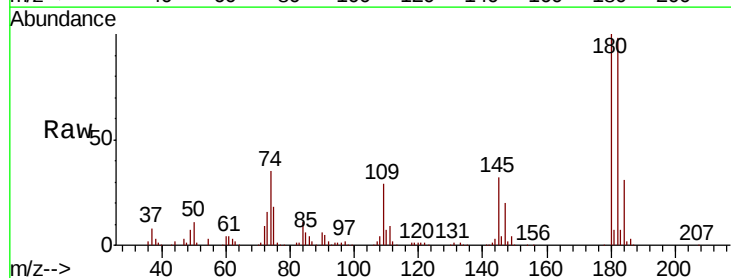


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

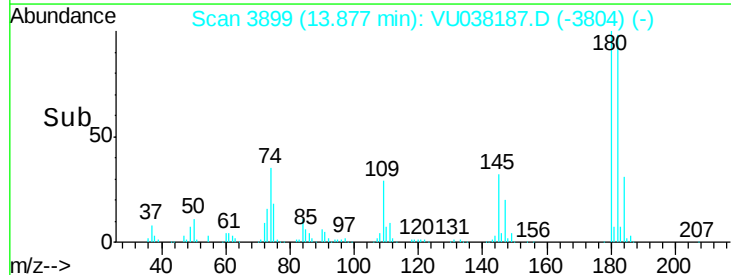
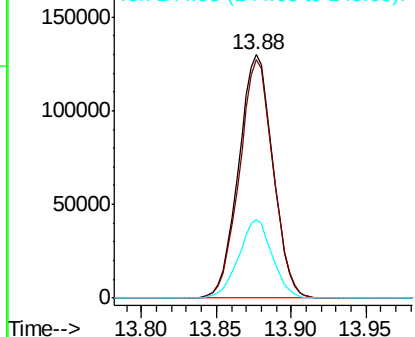


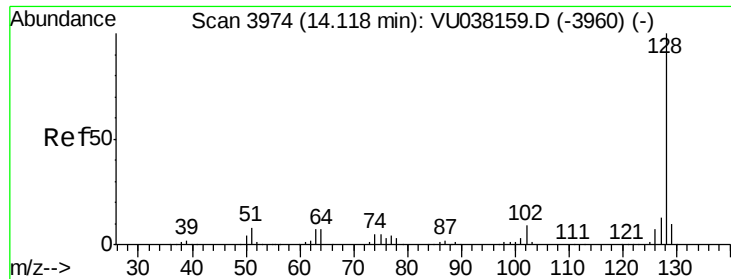
#68
 1,2,4-trichlorobenzene
 Concen: 5.029 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.01 min
 Lab File: VU038187.D
 Acq: 15 May 2020 10:10

Tgt Ion:180	Resp:	207082
Ion Ratio	Lower	Upper
180	100	
182	96.1	75.0 112.6
145	31.4	24.8 37.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.984 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

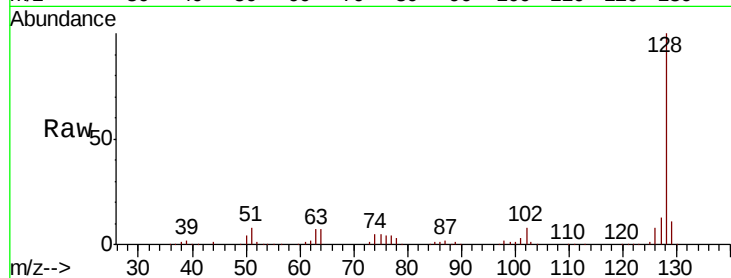
Tot Ion:128 Resp: 432033

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

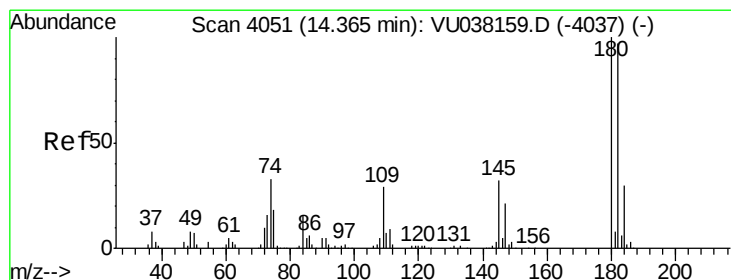
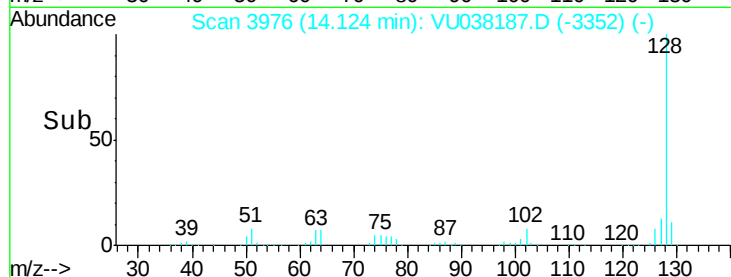
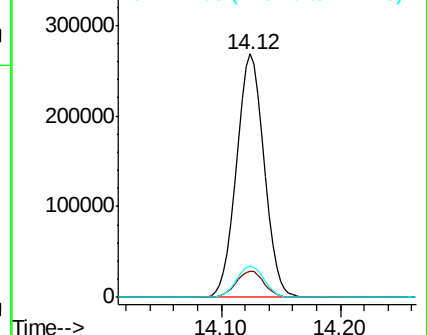
127 13.1 10.2 15.4



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: 4.969 ug/L

RT: 14.37 min Scan# 4053

Delta R.T. 0.01 min

Lab File: VU038187.D

Acq: 15 May 2020 10:10

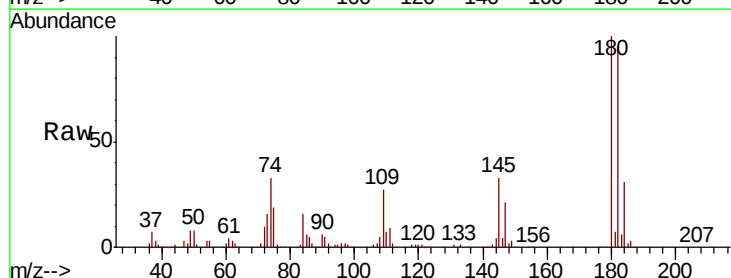
Tgt Ion:180 Resp: 190191

Ion Ratio Lower Upper

180 100

182 95.4 76.3 114.5

145 33.5 26.1 39.1



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

