

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051320\
 Data File : VU038157.D
 Acq On : 13 May 2020 20:30
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 14 01:16:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 01:11:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	355082	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	339145	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	169847	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	161353	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.93	69	135369	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.59	63	258173	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.00%
20) 2-Butanone-d5	4.66	46	473928	59.14	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.28%
24) Chloroform-d	5.10	84	253196	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.74	65	148710	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.76	84	526808	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.72	67	173347	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.92	98	476768	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
43) trans-1,3-Dichloropropene-	8.20	79	68403	5.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.20%
46) 2-Hexanone-d5	8.65	63	353783	57.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.04%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	146439	5.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	168898	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	144671	4.455	ug/L 98
3) Chloromethane	1.53	50	173035	4.421	ug/L 100
5) Vinyl chloride	1.62	62	174202	4.543	ug/L 99
6) Bromomethane	1.87	94	95890	4.392	ug/L 99
8) Chloroethane	1.95	64	105956	4.492	ug/L 100
9) Trichlorofluoromethane	2.16	101	178496	4.552	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	111589	4.591	ug/L 99
12) 1,1-Dichloroethene	2.61	96	114940	4.664	ug/L 95
13) Acetone	2.66	43	270062	53.716	ug/L 100
14) Carbon disulfide	2.82	76	366775	4.173	ug/L 100
15) Methyl Acetate	2.98	43	67468	4.797	ug/L 96
16) Methylene chloride	3.08	84	134135	4.670	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	320186	4.676	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	123071	4.575	ug/L 99
19) 1,1-Dichloroethane	3.91	63	243325	4.631	ug/L 97
21) 2-Butanone	4.75	43	474697	53.493	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	134878	4.652	ug/L 96

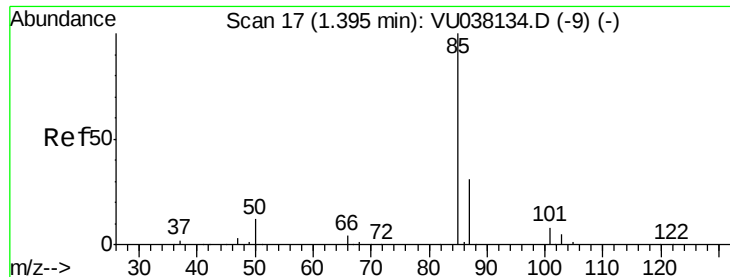
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051320\
 Data File : VU038157.D
 Acq On : 13 May 2020 20:30
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 01:11:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	59932	4.804	ug/L	95
25) Chloroform	5.13	83	231002	4.713	ug/L	100
27) 1,2-Dichloroethane	5.83	62	167509	4.842	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	183817	4.731	ug/L	100
30) Cyclohexane	5.42	56	211056	4.600	ug/L	97
31) Carbon tetrachloride	5.56	117	144121	4.615	ug/L	97
33) Benzene	5.81	78	529146	4.872	ug/L	100
34) Trichloroethene	6.57	95	128161	4.718	ug/L	98
35) Methylcyclohexane	6.79	83	208371	4.736	ug/L	96
37) 1,2-Dichloropropane	6.82	63	141868	4.809	ug/L	99
38) Bromodichloromethane	7.13	83	163736	4.801	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	202371	4.793	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	1077033	52.679	ug/L	99
42) Toluene	7.99	91	544443	4.749	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	174960	4.873	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	103307	5.043	ug/L	98
47) Tetrachloroethene	8.57	164	88004	4.632	ug/L	97
48) 2-Hexanone	8.71	43	823761	55.016	ug/L	100
49) Dibromochloromethane	8.83	129	107913	5.076	ug/L	97
50) 1,2-Dibromoethane	8.94	107	95759	5.037	ug/L	99
51) Chlorobenzene	9.47	112	341536	4.800	ug/L	99
52) Ethylbenzene	9.59	91	581363	4.681	ug/L	99
53) m,p-Xylene	9.71	106	227764	4.783	ug/L	98
54) o-Xylene	10.11	106	221008	4.800	ug/L	99
55) Styrene	10.13	104	373003	4.826	ug/L	99
56) Isopropylbenzene	10.50	105	563153	4.762	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	132963	5.112	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	103274	5.216	ug/L	98
61) Bromoform	10.31	173	57051	4.969	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	263369	4.766	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	260547	4.653	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	256124	4.817	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	21970	5.056	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	190227	4.744	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	176055	4.841	ug/L	98
69) Naphthalene	14.11	128	386455	5.047	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	163757	4.844	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.455 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

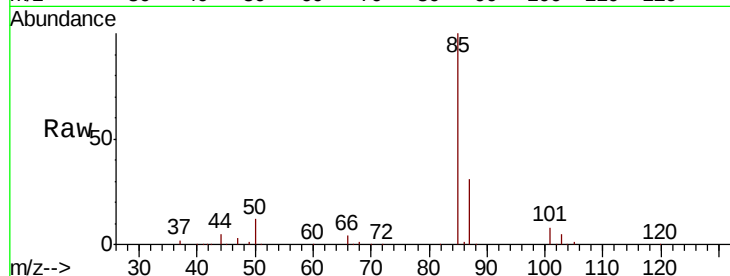
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 144671

Ion Ratio Lower Upper

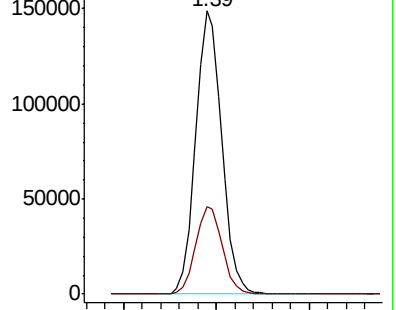
85 100

87 31.6 26.2 39.4

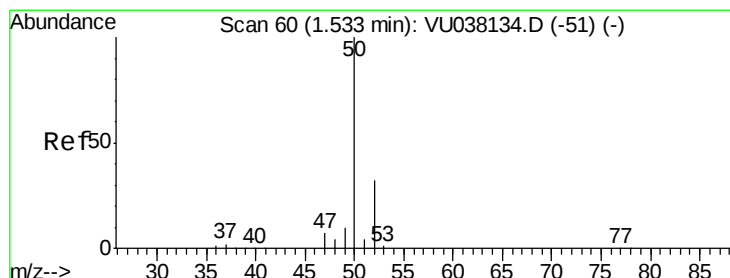
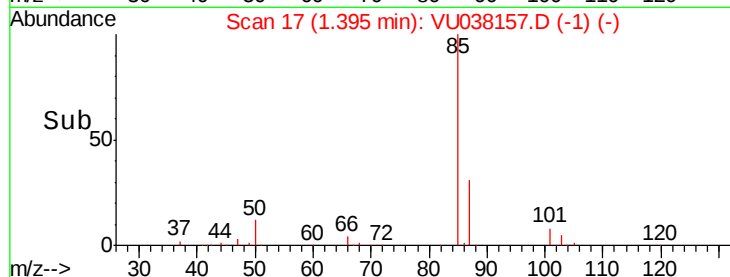


Abundance Ion 85.00 (84.70 to 85.70): VU038157.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038157.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 4.421 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038157.D

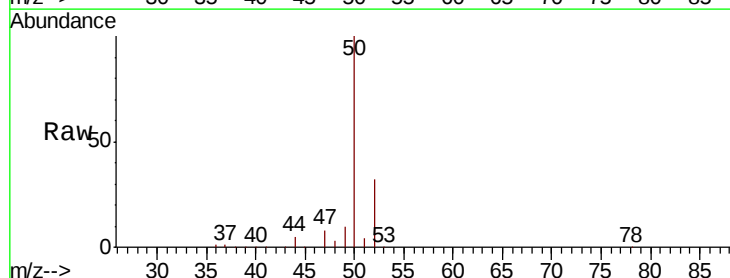
Acq: 13 May 2020 20:30

Tgt Ion: 50 Resp: 173035

Ion Ratio Lower Upper

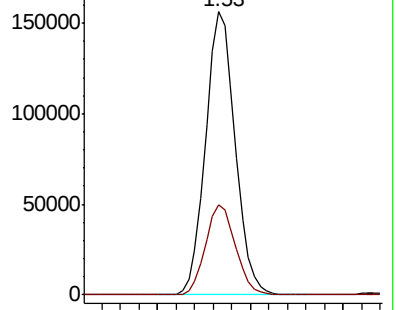
50 100

52 32.0 22.5 41.7

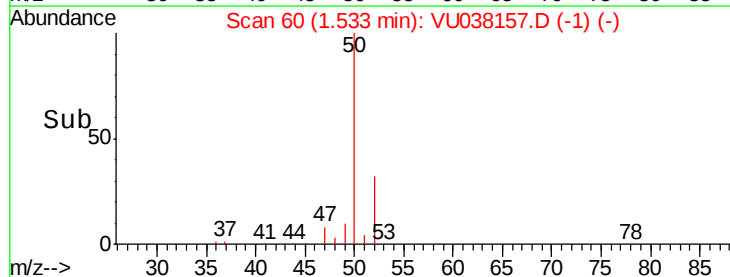


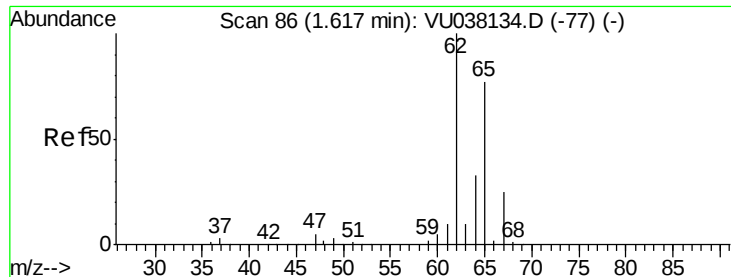
Abundance Ion 50.05 (49.75 to 50.75): VU038157.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU038157.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 4.543 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

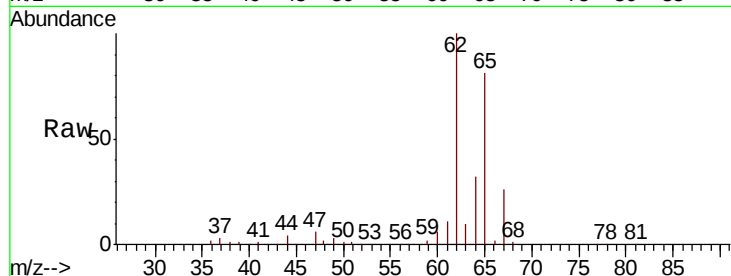
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 174202

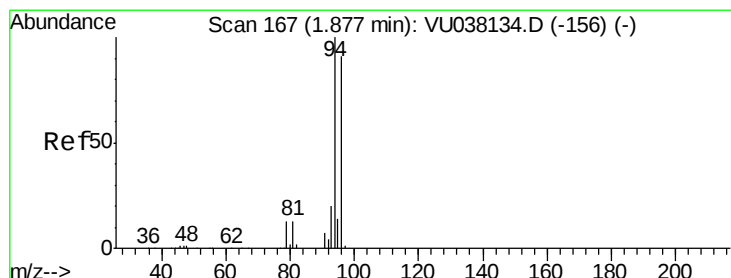
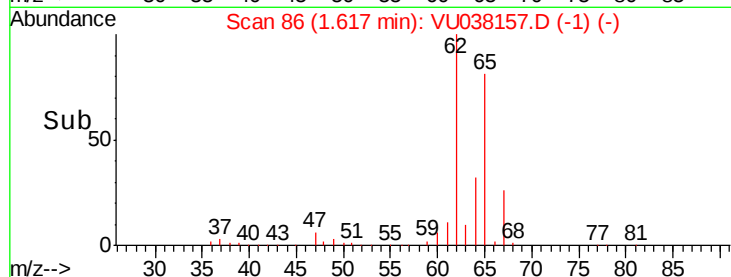
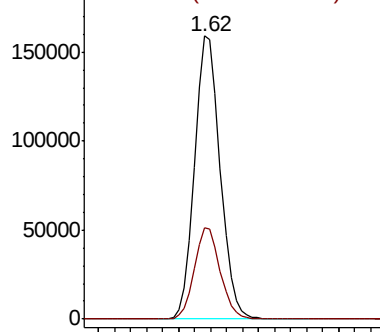
Ion Ratio Lower Upper

62 100

64 32.3 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.392 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038157.D

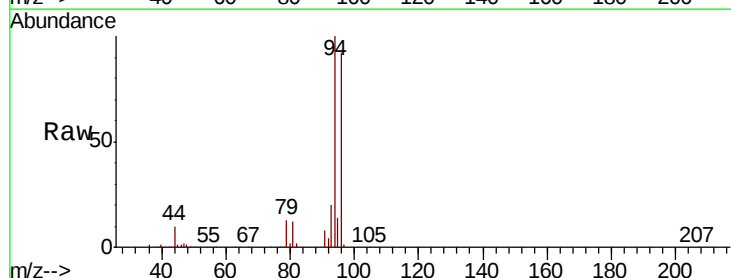
Acq: 13 May 2020 20:30

Tgt Ion: 94 Resp: 95890

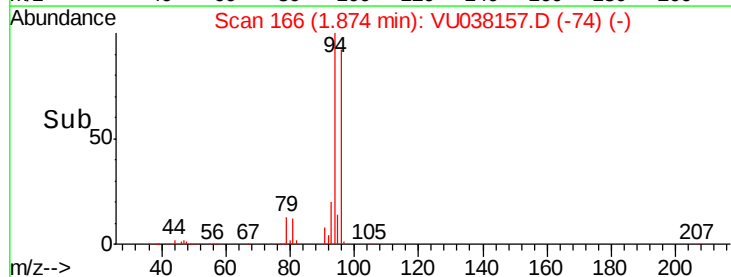
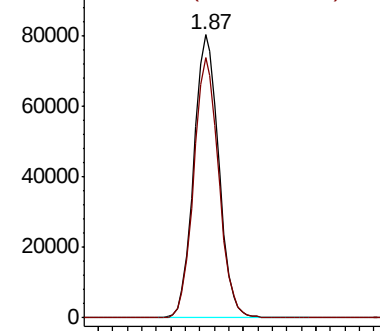
Ion Ratio Lower Upper

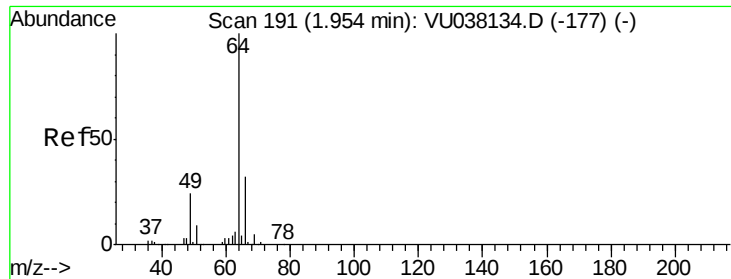
94 100

96 91.8 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU0
Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.492 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

Instrument :

MSVOA_U

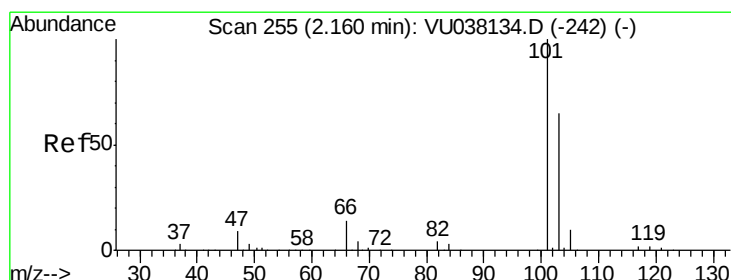
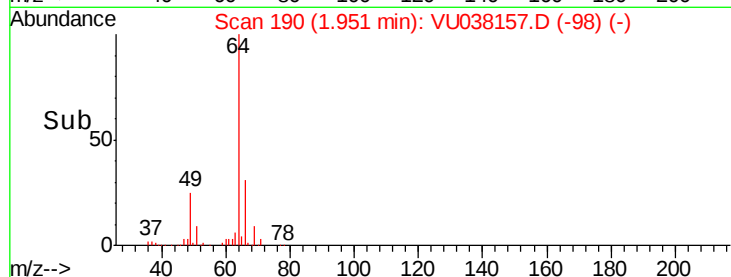
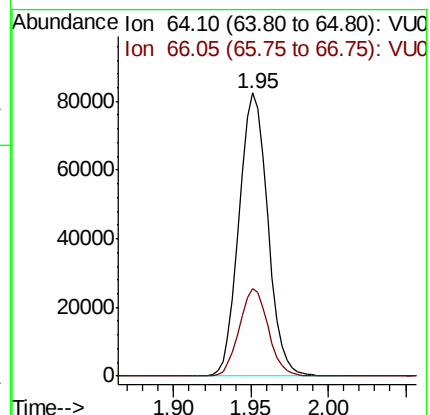
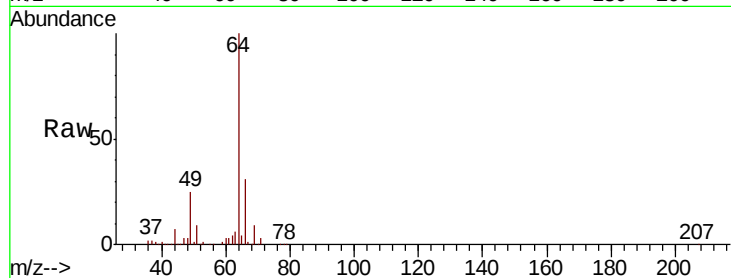
ClientSampleId :

Tot Ion: 64 Resp: 105956

Ion Ratio Lower Upper

64 100

66 30.9 21.8 40.4



#9

Trichlorofluoromethane

Concen: 4.552 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038157.D

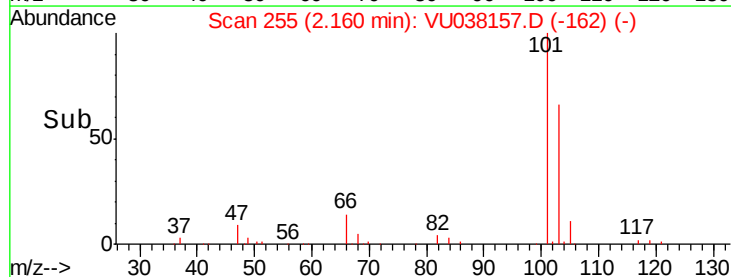
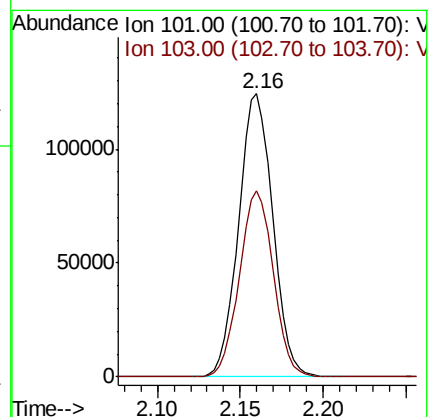
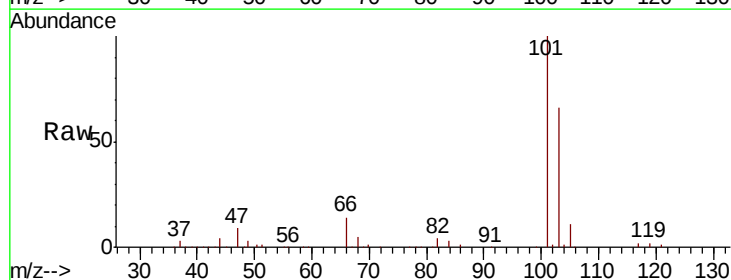
Acq: 13 May 2020 20:30

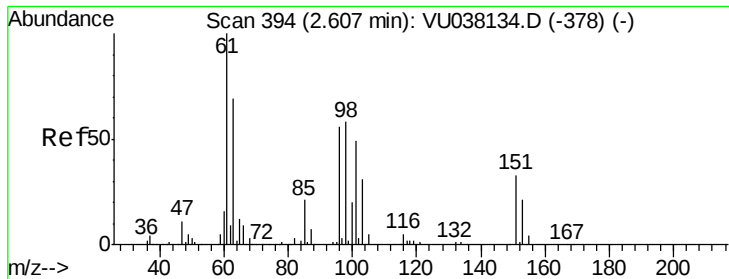
Tgt Ion:101 Resp: 178496

Ion Ratio Lower Upper

101 100

103 65.0 51.0 76.4





#10

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

Concen: 4.591 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

Instrument :

MSVOA_U

ClientSampleId :

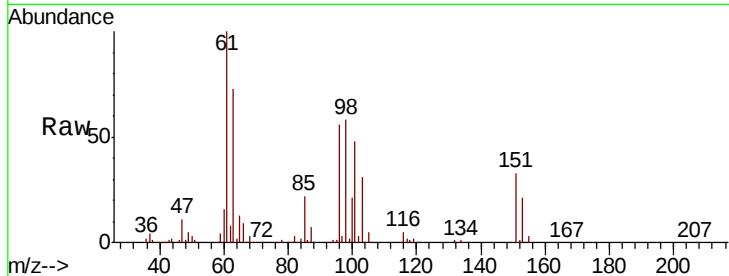
Tot Ion:101 Resp: 111589

Ion Ratio Lower Upper

101 100

85 44.3 35.3 52.9

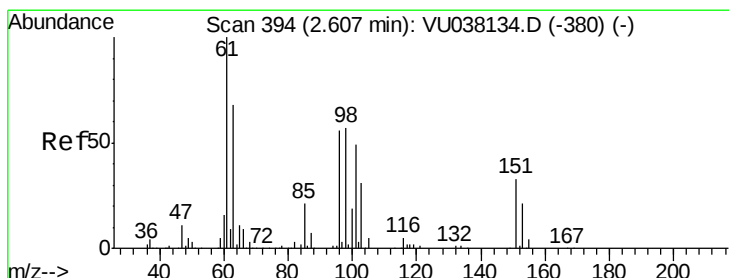
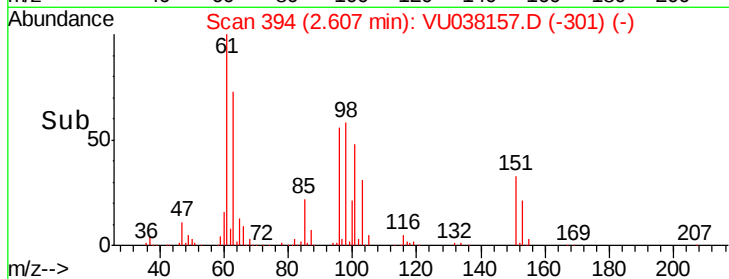
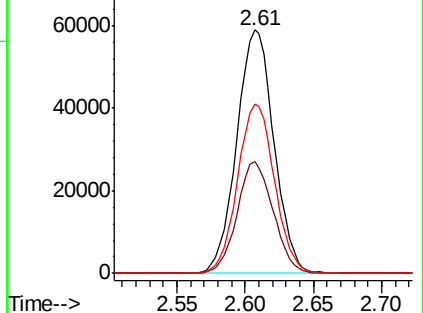
151 68.9 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.664 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

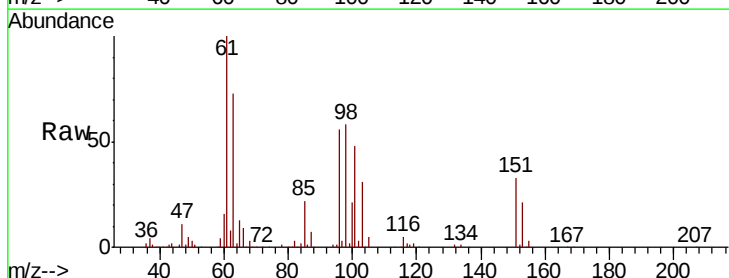
Tgt Ion: 96 Resp: 114940

Ion Ratio Lower Upper

96 100

61 177.2 126.2 234.4

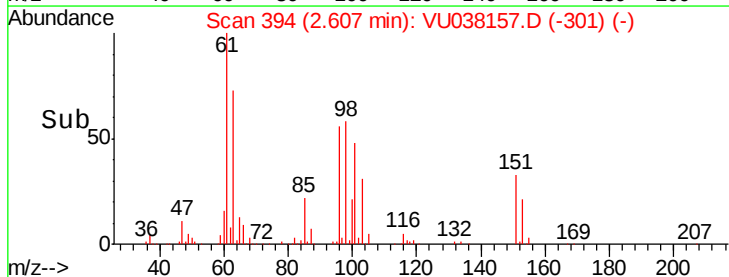
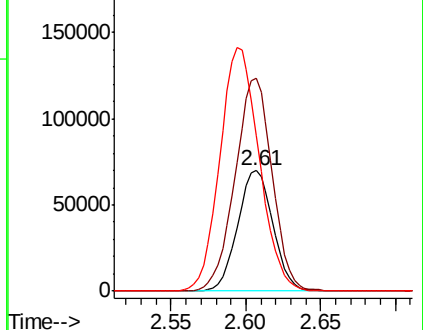
63 129.3 96.9 179.9

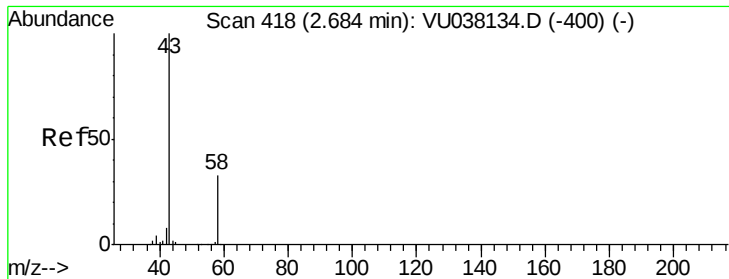


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.716 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.03 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

Instrument :

MSVOA_U

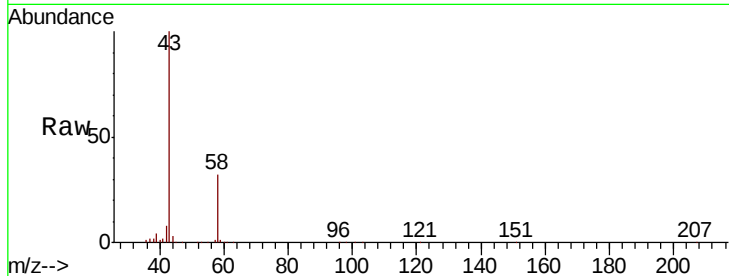
ClientSampleId :

Tot Ion: 43 Resp: 270062

Ion Ratio Lower Upper

43 100

58 31.6 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038157.D (-325) (-)

Ion 58.05 (57.75 to 58.75): VU038157.D (-325) (-)

2.66

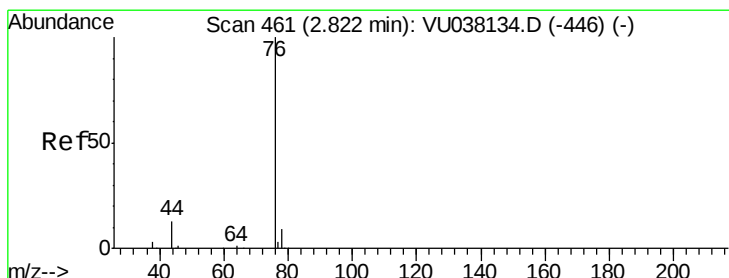
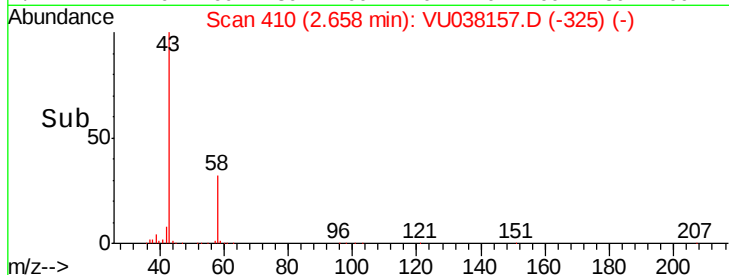
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 4.173 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU038157.D

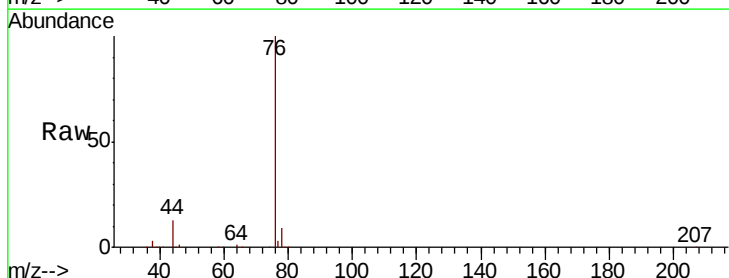
Acq: 13 May 2020 20:30

Tgt Ion: 76 Resp: 366775

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038157.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU038157.D (-368) (-)

2.82

250000

200000

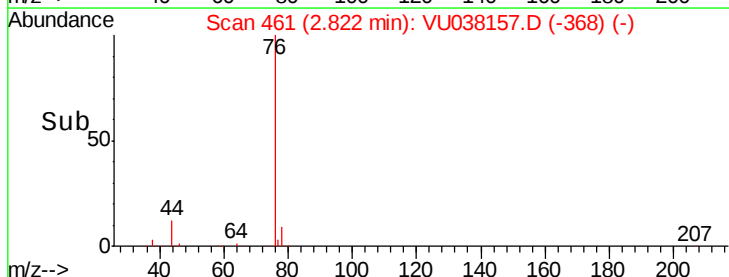
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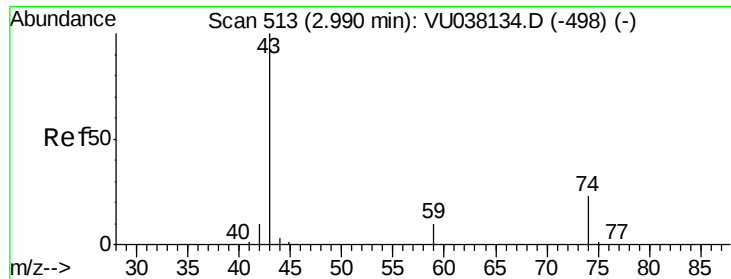
100000

50000

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Time-->

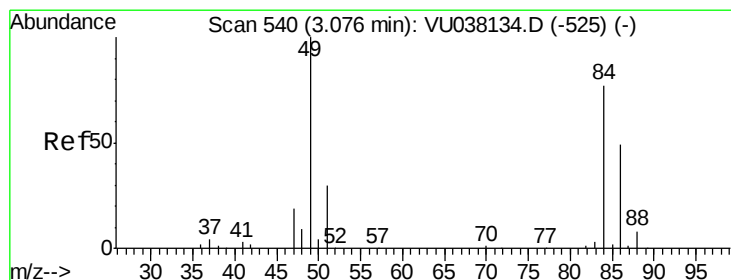
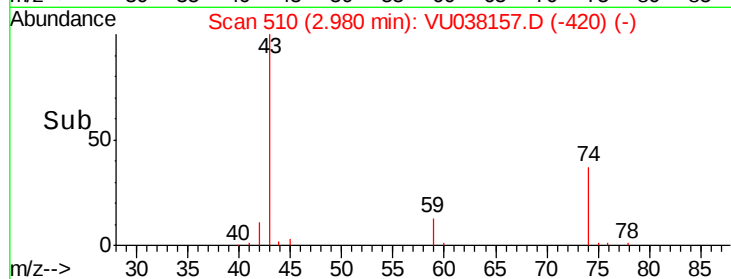
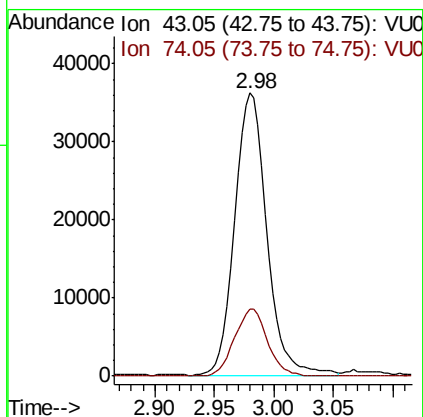
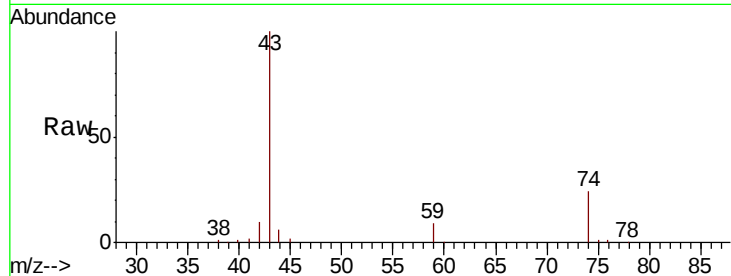




#15
Methvl Acetate
Concen: 4.797 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.01 min
Lab File: VU038157.D
Acq: 13 May 2020 20:30

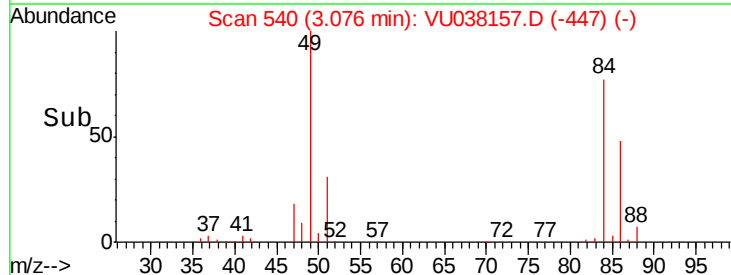
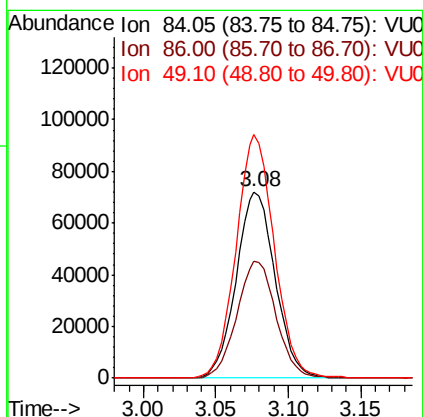
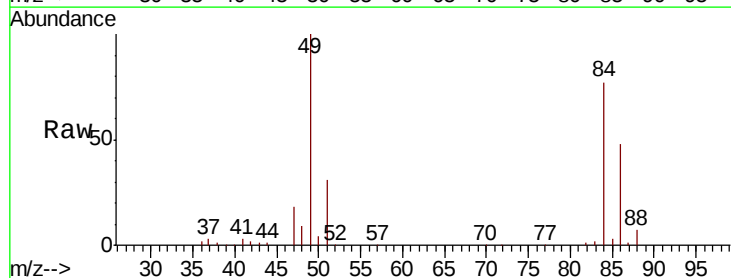
Instrument :
MSVOA_U
ClientSampleId :

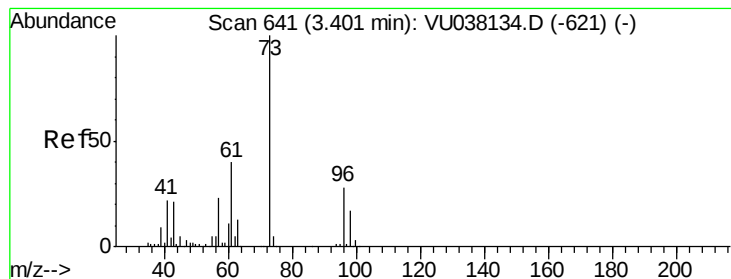
Tot Ion: 43 Resp: 67468
Ion Ratio Lower Upper
43 100
74 24.4 18.0 27.0



#16
Methylene chloride
Concen: 4.670 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038157.D
Acq: 13 May 2020 20:30

Tgt Ion: 84 Resp: 134135
Ion Ratio Lower Upper
84 100
86 62.6 44.9 83.3
49 130.5 92.0 170.9



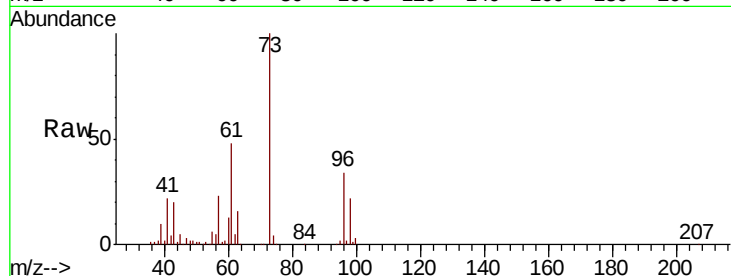


#17

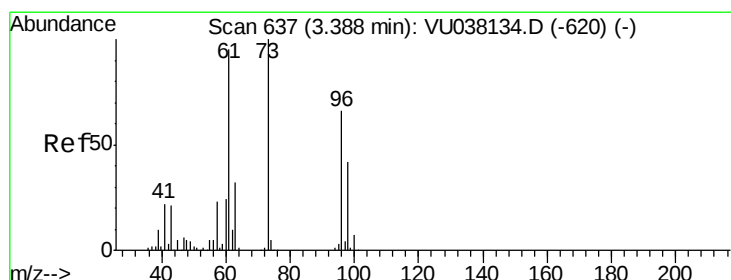
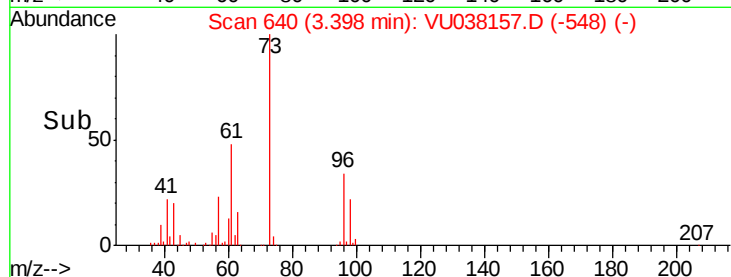
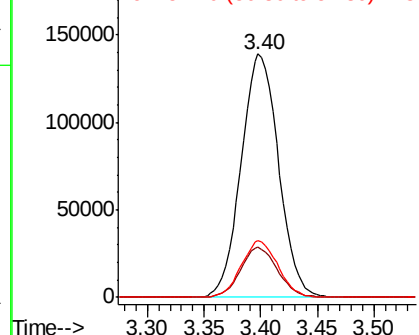
Methvl tert-butvl Ether
 Concen: 4.676 ug/L
 RT: 3.40 min Scan# 640
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 320186
 Ion Ratio Lower Upper
 73 100
 43 20.5 16.9 25.3
 57 22.9 18.2 27.2



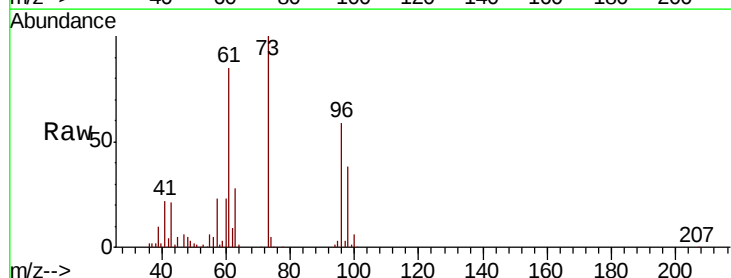
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



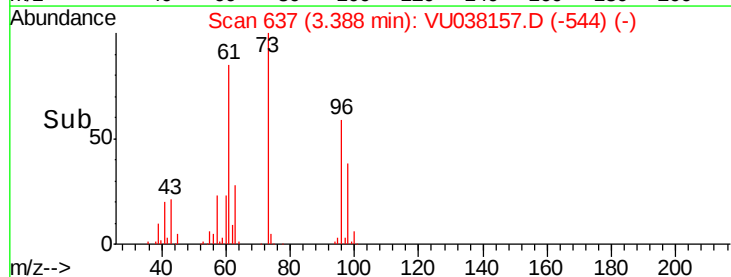
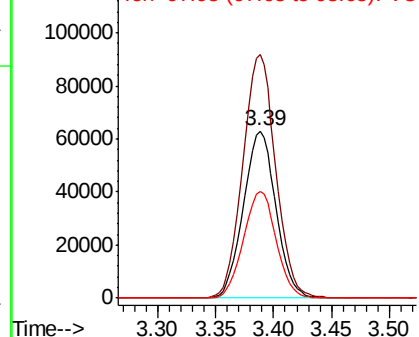
#18

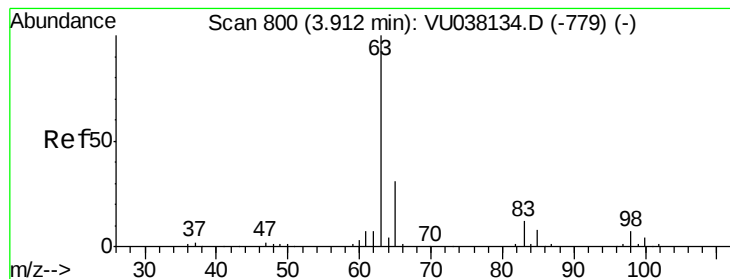
trans-1,2-Dichloroethene
 Concen: 4.575 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

Tgt Ion: 96 Resp: 123071
 Ion Ratio Lower Upper
 96 100
 61 145.5 102.1 189.5
 98 64.1 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: 4.631 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

Instrument :

MSVOA_U

ClientSampled :

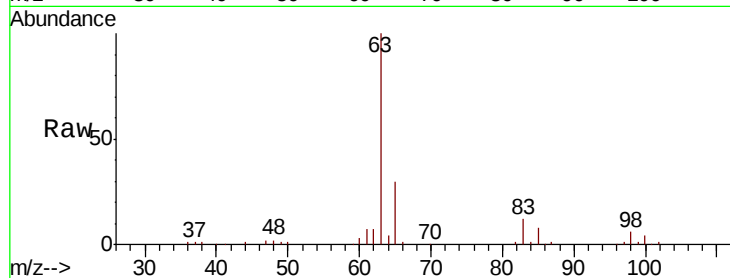
Tot Ion: 63 Resp: 243325

Ion Ratio Lower Upper

63 100

65 30.2 22.5 41.7

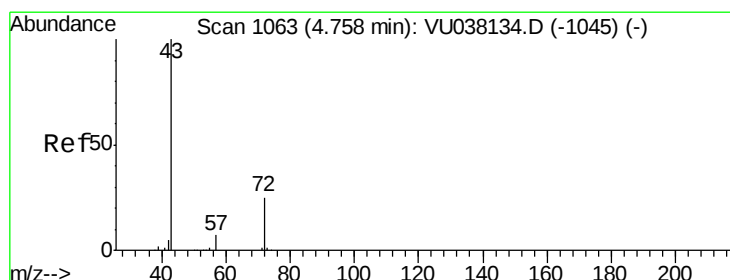
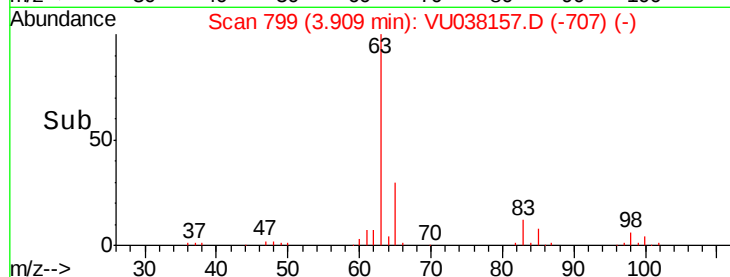
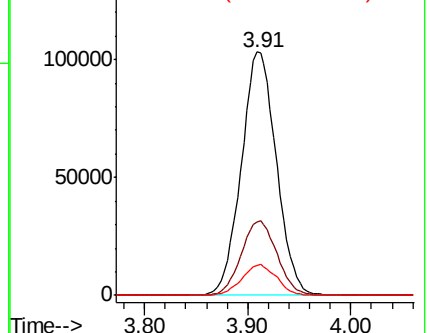
83 12.4 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU038157.D (-799) (-)

Ion 65.10 (64.80 to 65.80): VU038157.D (-799) (-)

Ion 83.05 (82.75 to 83.75): VU038157.D (-799) (-)



#21

2-Butanone

Concen: 53.493 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. -0.01 min

Lab File: VU038157.D

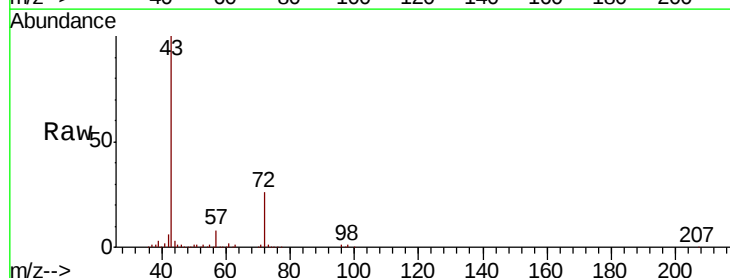
Acq: 13 May 2020 20:30

Tgt Ion: 43 Resp: 474697

Ion Ratio Lower Upper

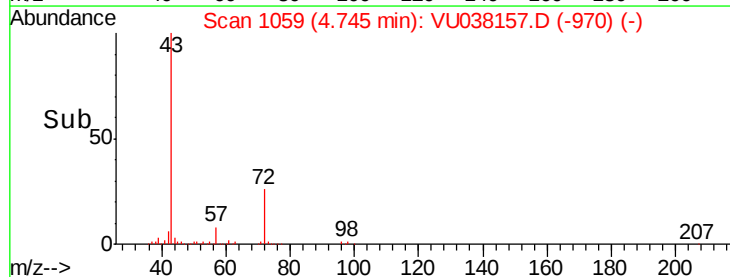
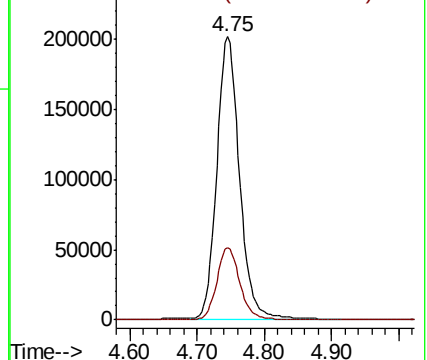
43 100

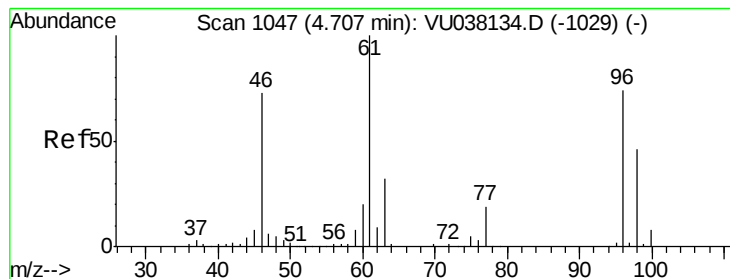
72 26.0 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU038157.D (-970) (-)

Ion 72.10 (71.80 to 72.80): VU038157.D (-970) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.652 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

Instrument :
MSVOA_U
ClientSampled :

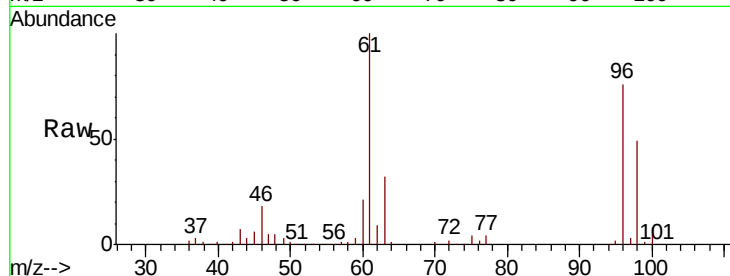
Tot Ion: 96 Resp: 134878

Ion Ratio Lower Upper

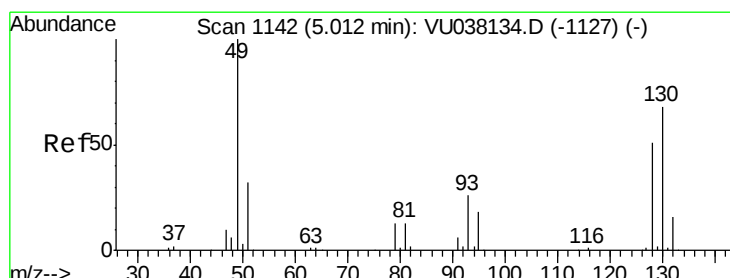
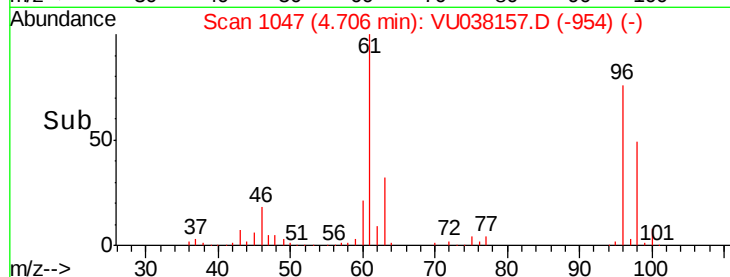
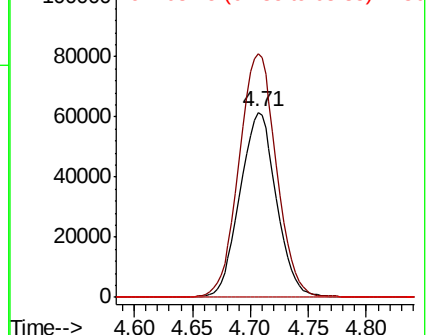
96 100

61 131.8 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: 4.804 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

Tgt Ion: 128 Resp: 59932

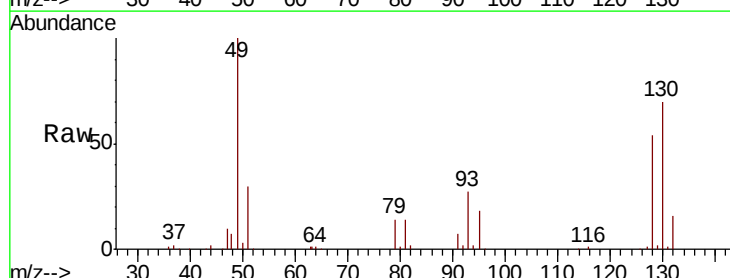
Ion Ratio Lower Upper

128 100

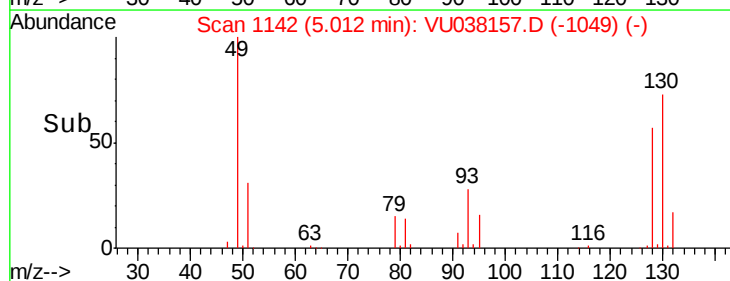
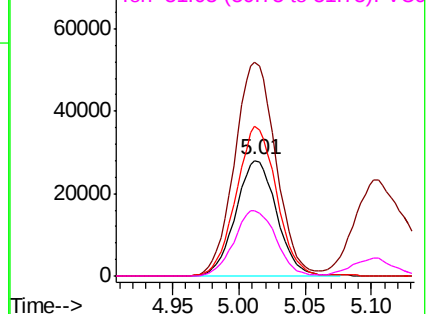
49 184.7 135.6 251.8

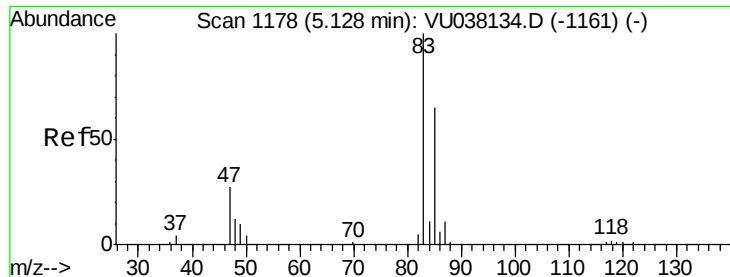
130 129.6 91.4 169.8

51 56.3 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

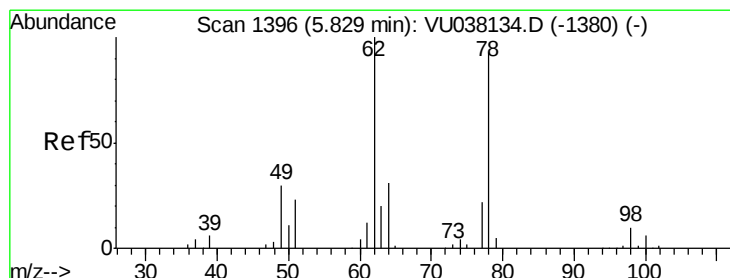
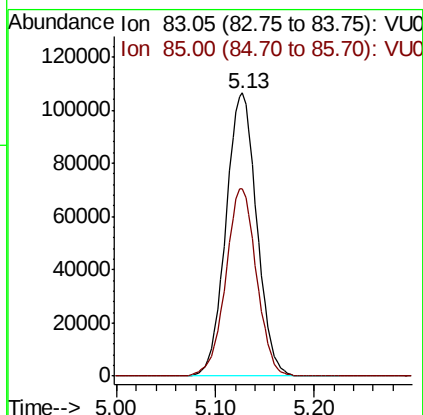
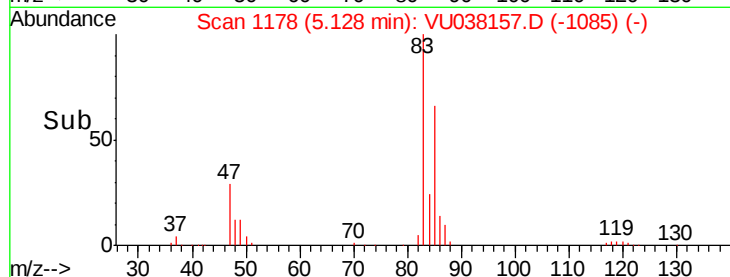
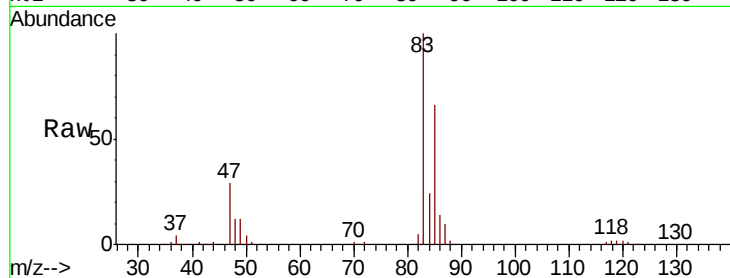




#25
Chloroform
Concen: 4.713 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038157.D
Acq: 13 May 2020 20:30

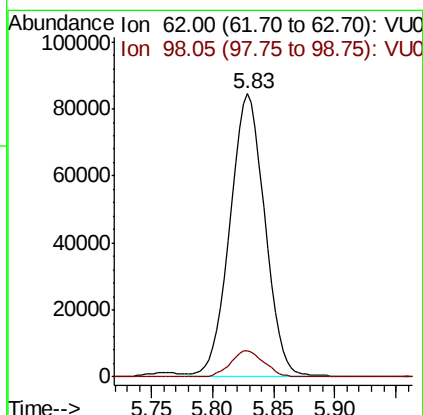
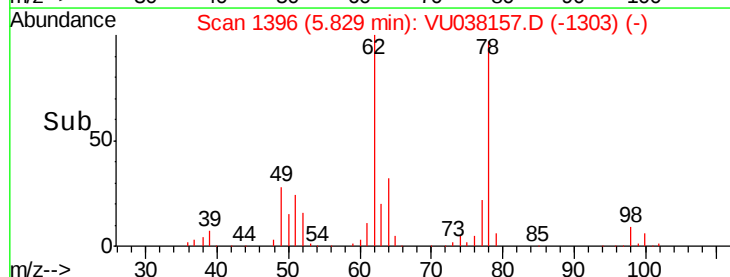
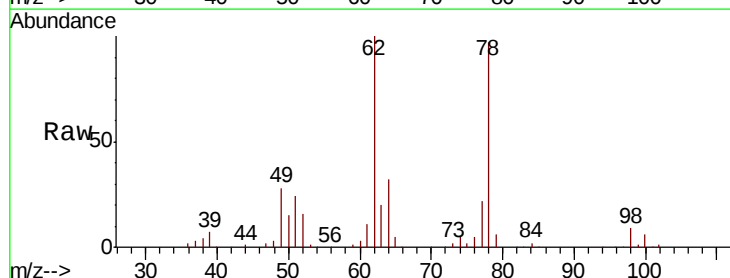
Instrument :
MSVOA_U
ClientSampleId :

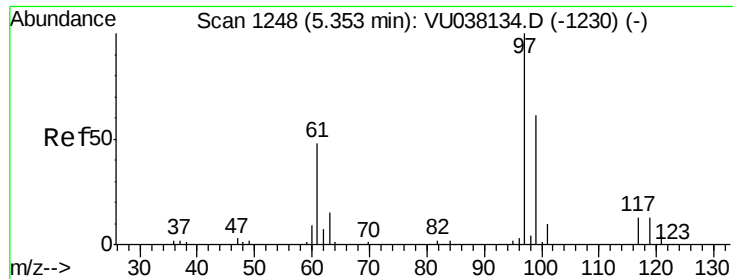
Tot Ion: 83 Resp: 231002
Ion Ratio Lower Upper
83 100
85 66.1 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.842 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038157.D
Acq: 13 May 2020 20:30

Tgt Ion: 62 Resp: 167509
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.8

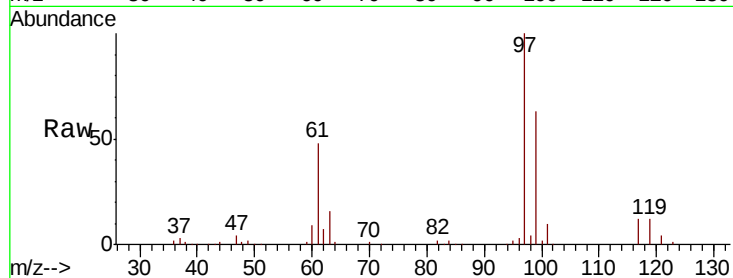




#29
 1,1,1-Trichloroethane
 Concen: 4.731 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	48.2	38.2	57.4

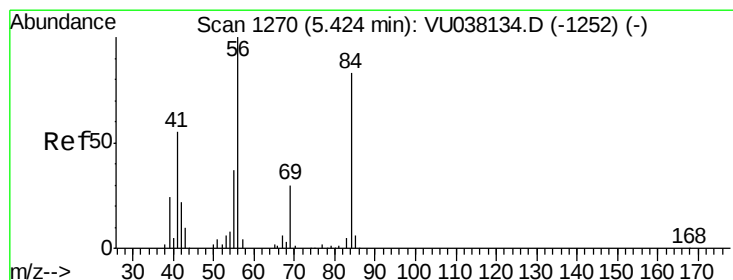
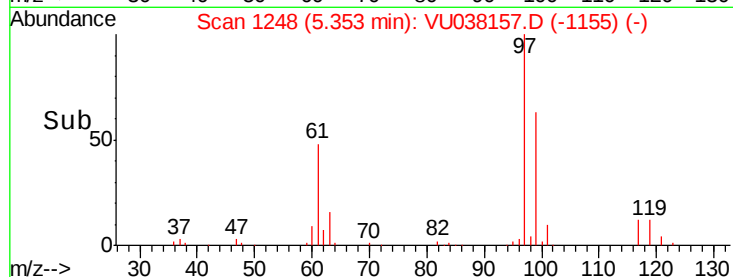
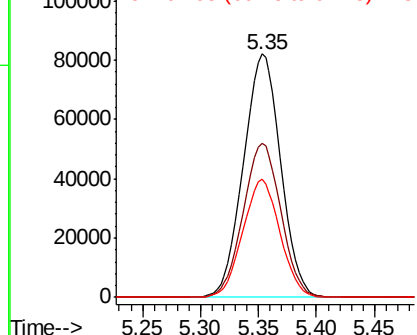


Abundance

Ion 96.95 (96.65 to 97.65): VU0

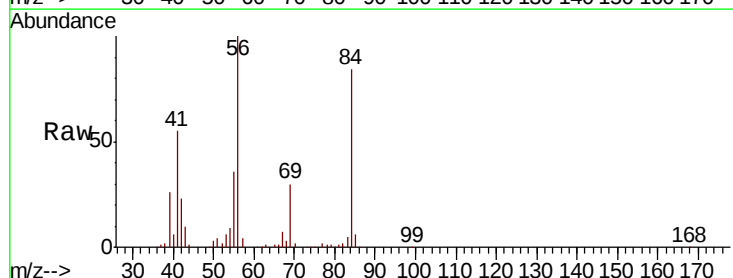
Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30
 Cyclohexane
 Concen: 4.600 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.2	36.4
84	82.7	68.5	102.7

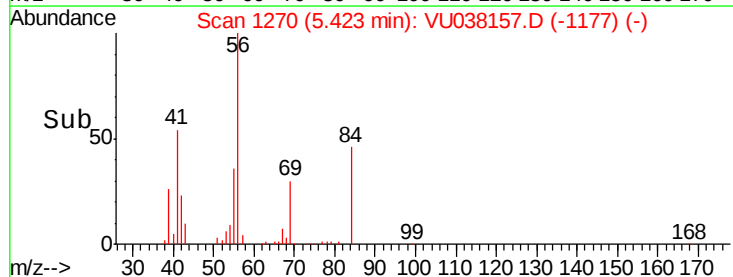
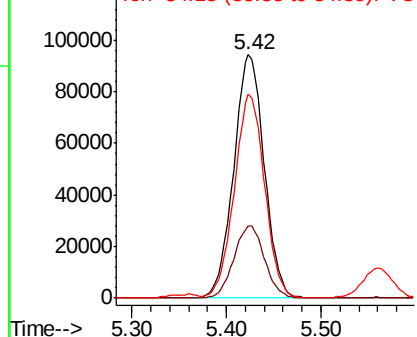


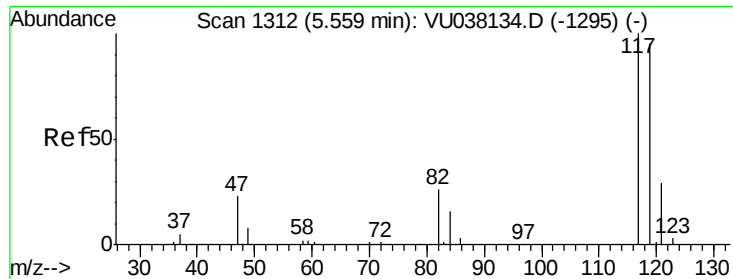
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.615 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

Instrument :

MSVOA_U

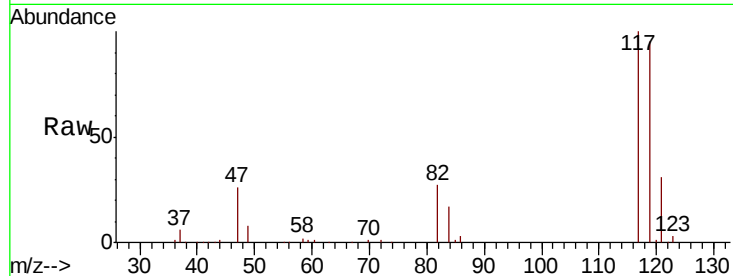
ClientSampleId :

Tot Ion:117 Resp: 144121

Ion Ratio Lower Upper

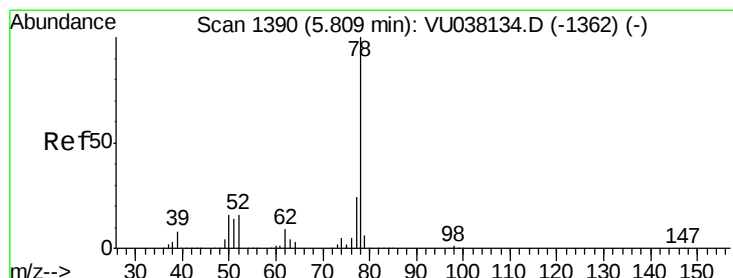
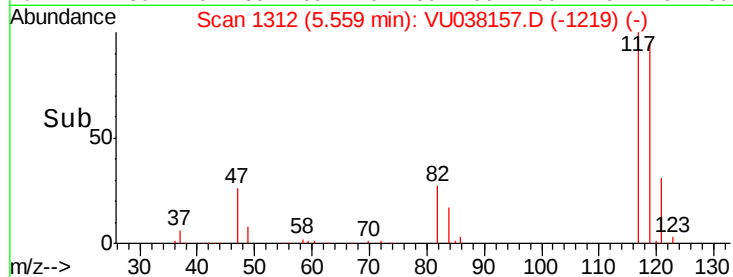
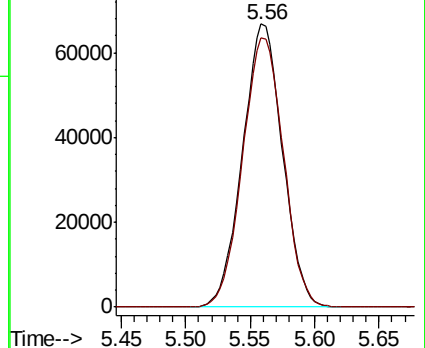
117 100

119 97.1 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: 4.872 ug/L

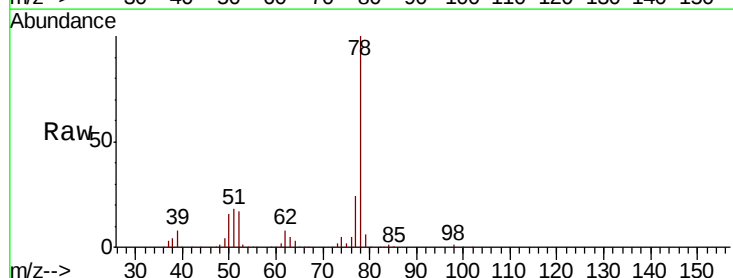
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

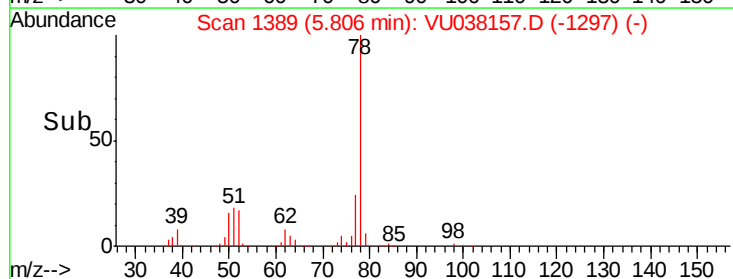
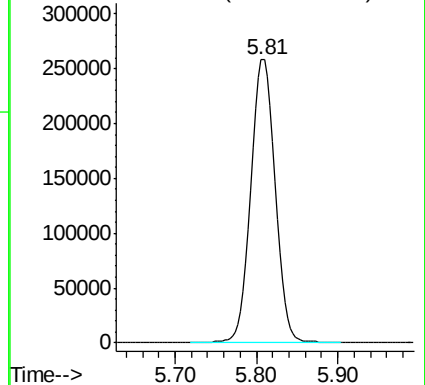
Lab File: VU038157.D

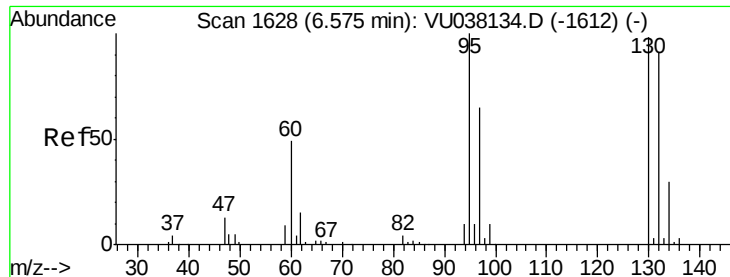
Acq: 13 May 2020 20:30

Tgt Ion: 78 Resp: 529146



Abundance Ion 78.10 (77.80 to 78.80): VU0

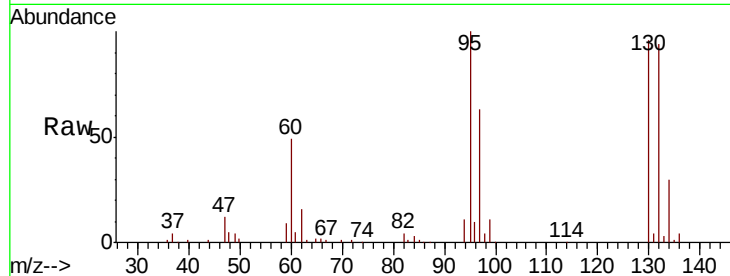




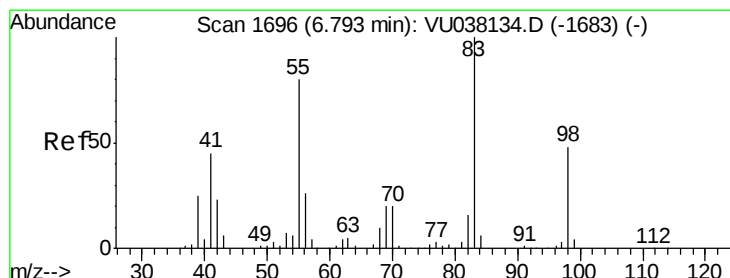
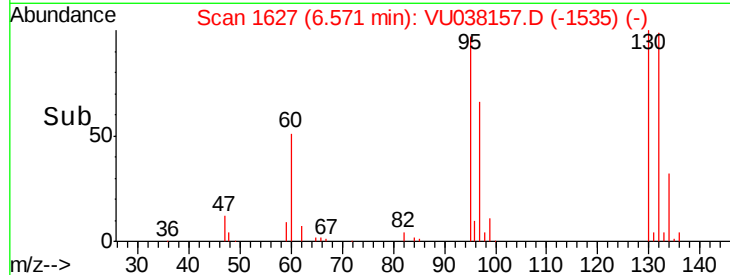
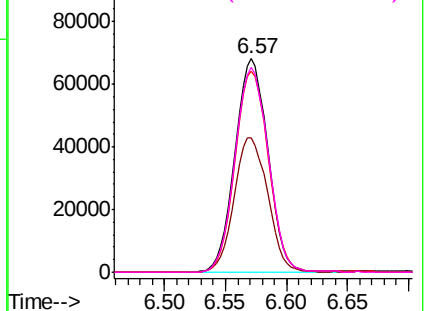
#34
 Trichloroethene
 Concen: 4.718 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 128161
 Ion Ratio Lower Upper
 95 100
 97 63.2 44.9 83.3
 132 94.3 63.3 117.5
 130 95.6 65.7 122.1

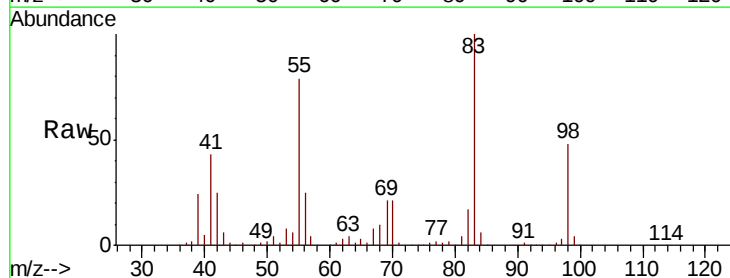


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

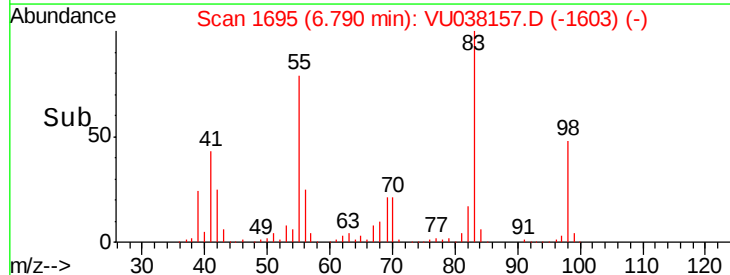
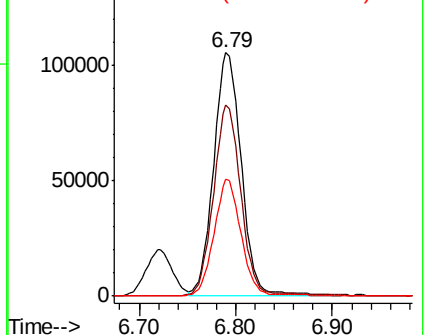


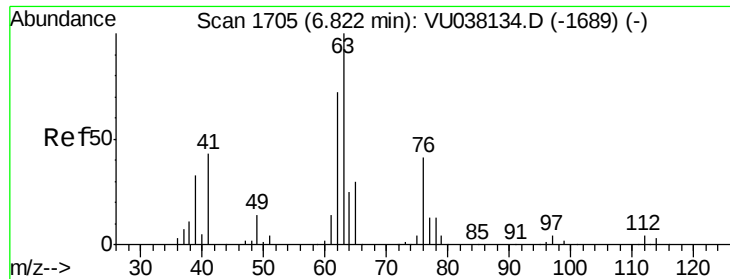
#35
 Methylcyclohexane
 Concen: 4.736 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

Tgt Ion: 83 Resp: 208371
 Ion Ratio Lower Upper
 83 100
 55 78.7 66.7 100.1
 98 47.2 39.4 59.2



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

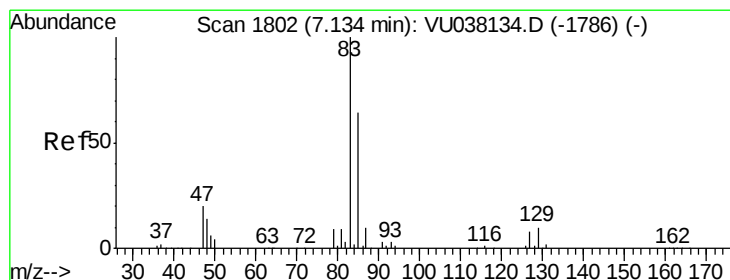
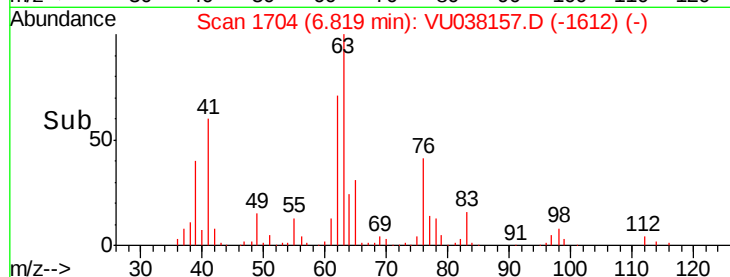
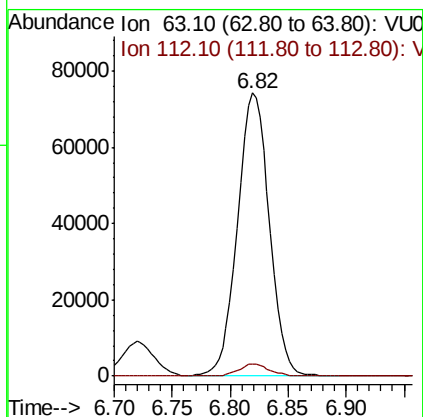
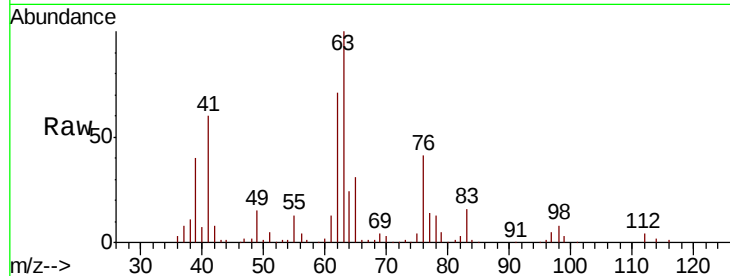




#37
 1,2-Dichloropropane
 Concen: 4.809 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

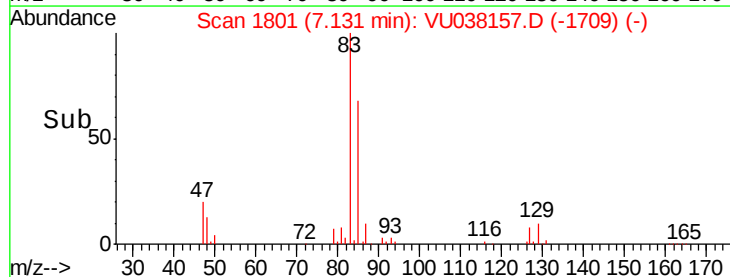
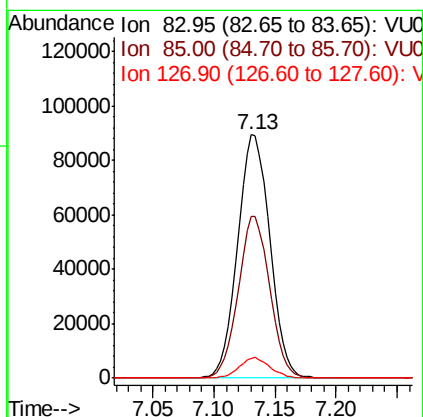
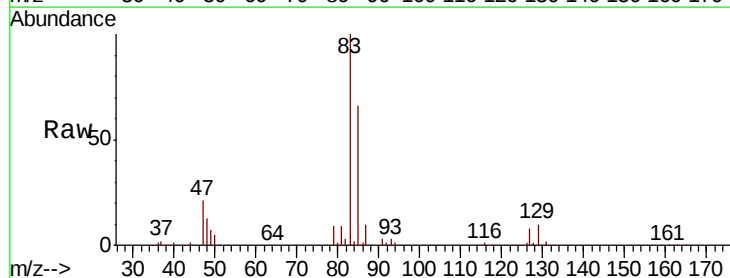
Instrument :
 MSVOA_U
 ClientSampleId :

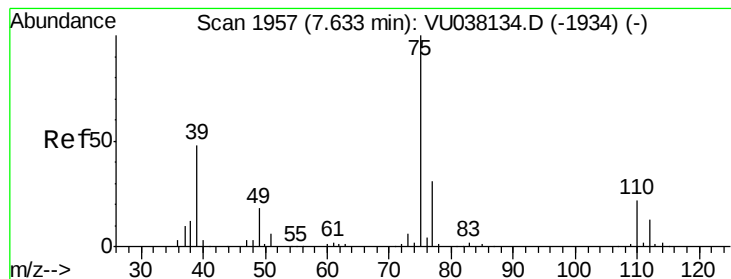
Tot Ion: 63 Resp: 141868
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.801 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

Tgt Ion: 83 Resp: 163736
 Ion Ratio Lower Upper
 83 100
 85 66.4 44.6 82.8
 127 8.3 6.4 9.6



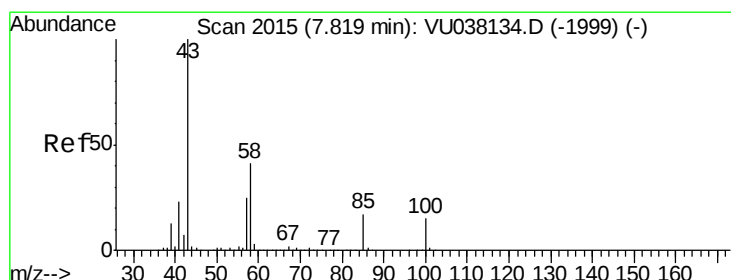
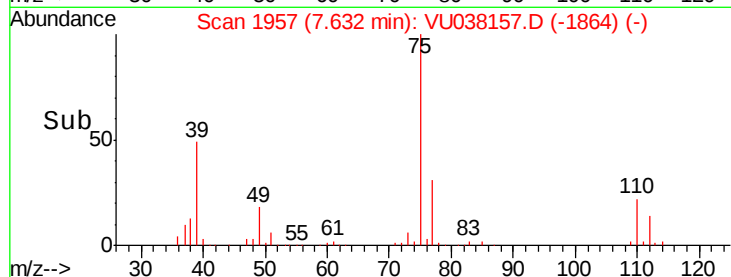
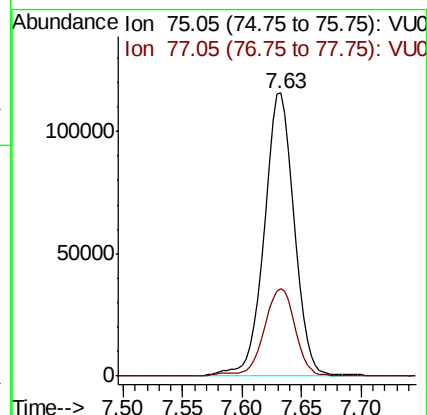
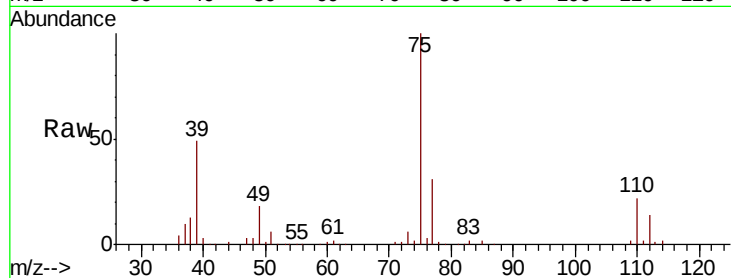


#39

cis-1,3-Dichloropropene
 Concen: 4.793 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

Instrument :
 MSVOA_U
 ClientSampleId :

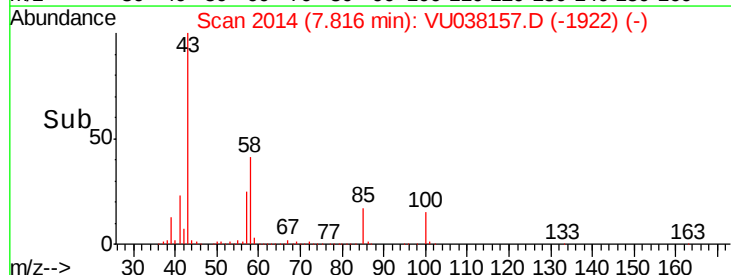
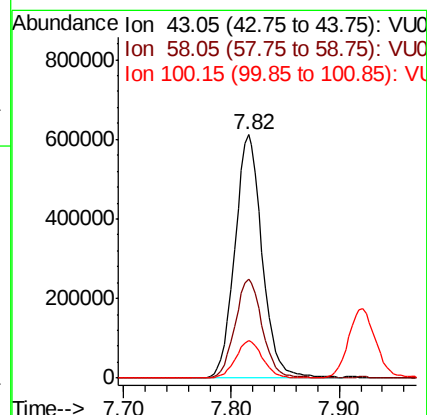
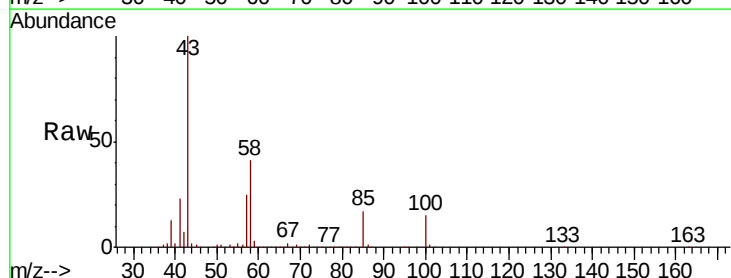
Tot Ion: 75 Resp: 202371
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.4 41.6

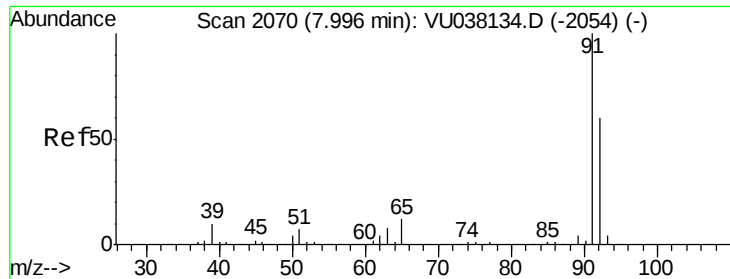


#40

4-Methyl-2-pentanone
 Concen: 52.679 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

Tgt Ion: 43 Resp: 1077033
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.2 48.4
 100 15.4 12.1 18.1





#42

Toluene

Concen: 4.749 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

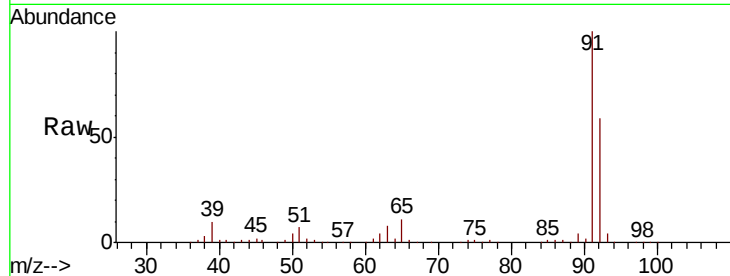
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 544443

Ion Ratio Lower Upper

91 100

92 59.3 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038134.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038134.D (-2054) (-)

7.99

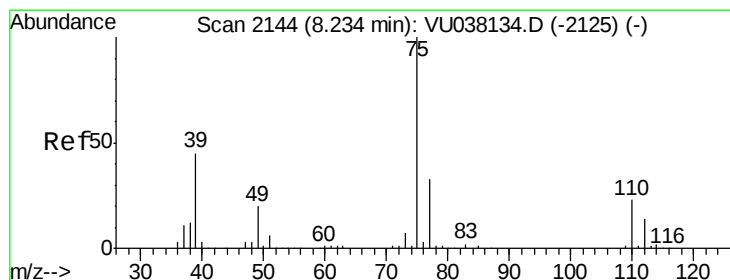
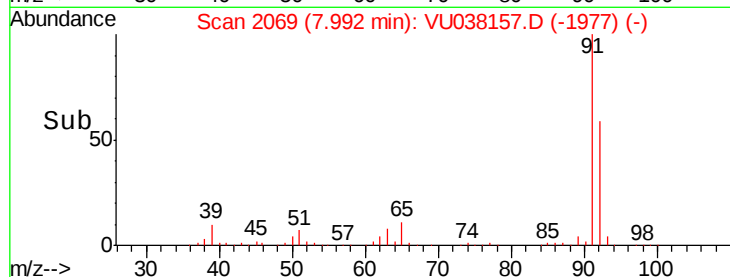
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.873 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038157.D

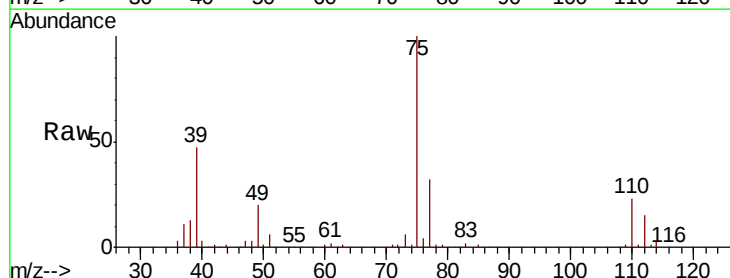
Acq: 13 May 2020 20:30

Tgt Ion: 75 Resp: 174960

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038134.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038134.D (-2125) (-)

8.23

120000

100000

80000

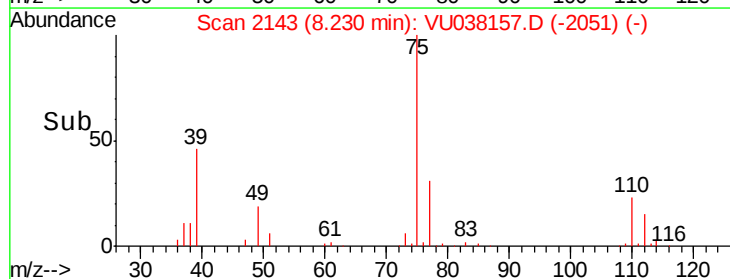
60000

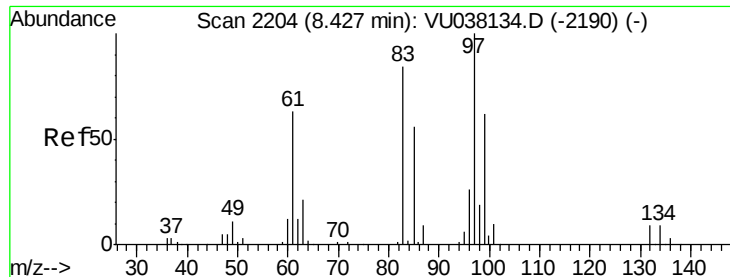
40000

20000

0

Time-->

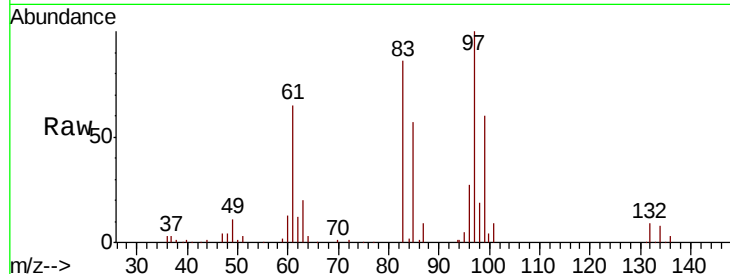




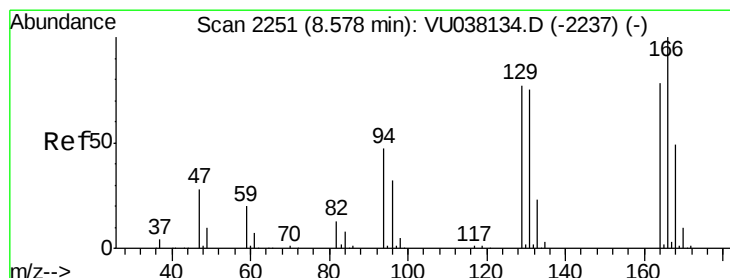
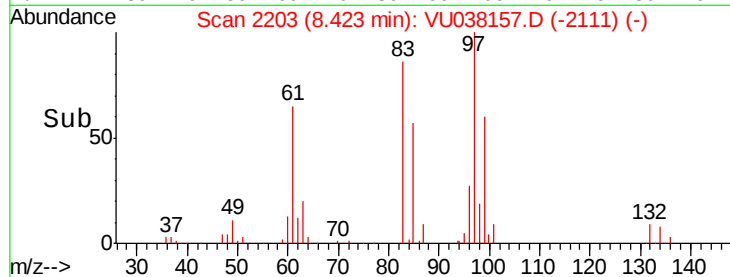
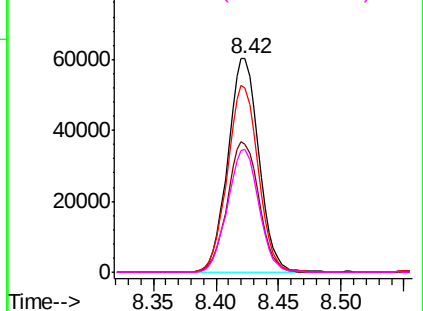
#45
1,1,2-Trichloroethane
Concen: 5.043 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU038157.D
Acq: 13 May 2020 20:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	103307
Ion	Ratio	Lower	Upper
97	100		
99	59.9	44.0	81.6
83	86.3	59.6	110.8
85	57.3	41.3	76.7

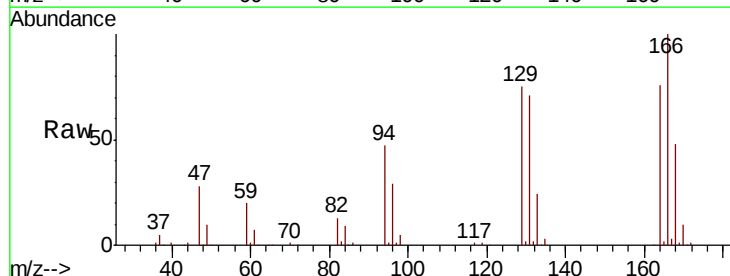


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

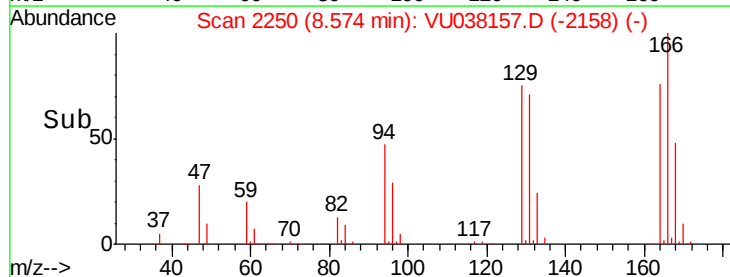
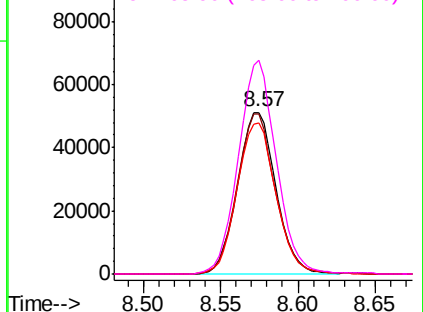


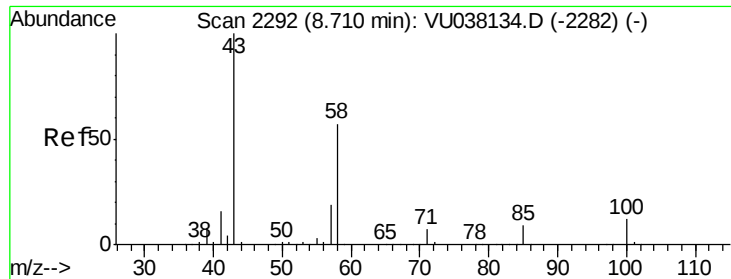
#47
Tetrachloroethene
Concen: 4.632 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038157.D
Acq: 13 May 2020 20:30

Tgt Ion:	164	Resp:	88004
Ion	Ratio	Lower	Upper
164	100		
129	98.5	68.8	127.8
131	93.0	66.8	124.2
166	131.9	88.9	165.1



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

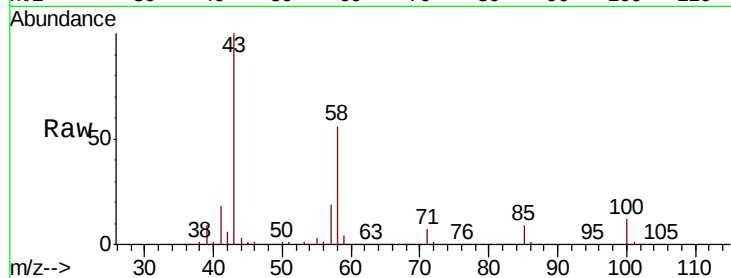




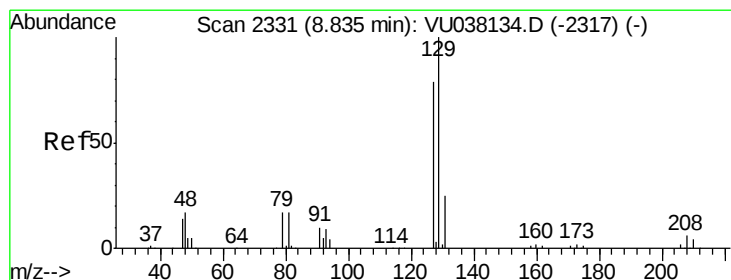
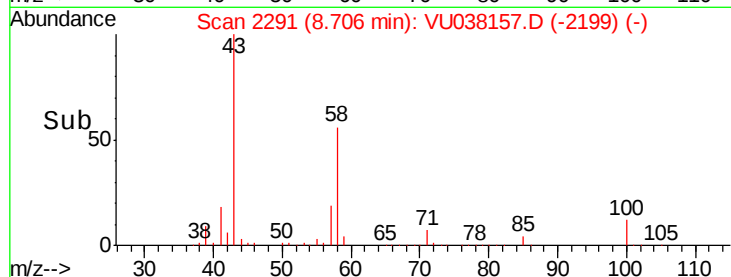
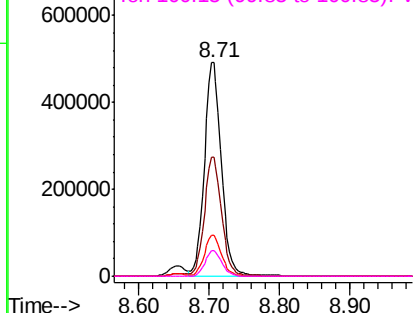
#48
2-Hexanone
Concen: 55.016 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038157.D
Acq: 13 May 2020 20:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 823761
Ion Ratio Lower Upper
43 100
58 56.2 45.2 67.8
57 19.3 15.5 23.3
100 12.0 9.5 14.3

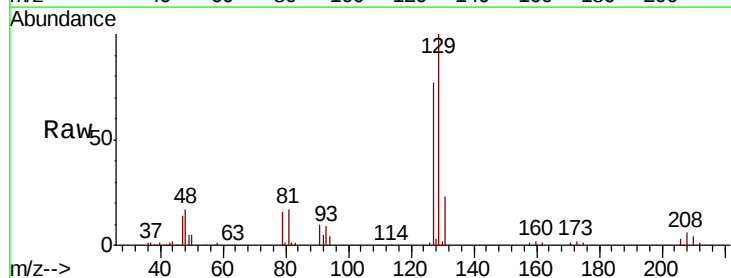


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

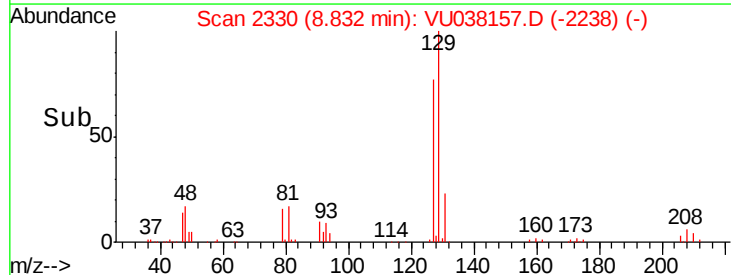
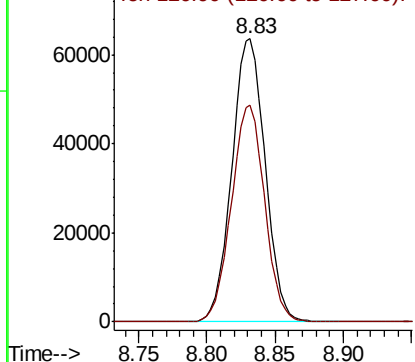


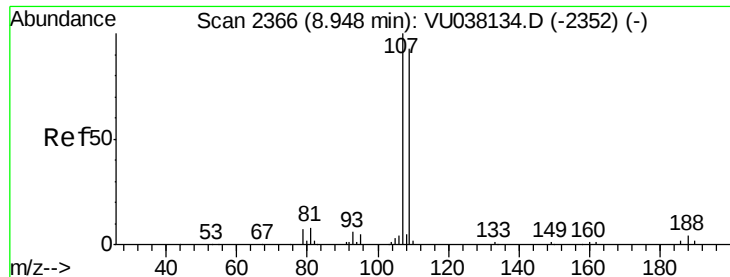
#49
Dibromochloromethane
Concen: 5.076 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038157.D
Acq: 13 May 2020 20:30

Tgt Ion: 129 Resp: 107913
Ion Ratio Lower Upper
129 100
127 76.8 55.6 103.4



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

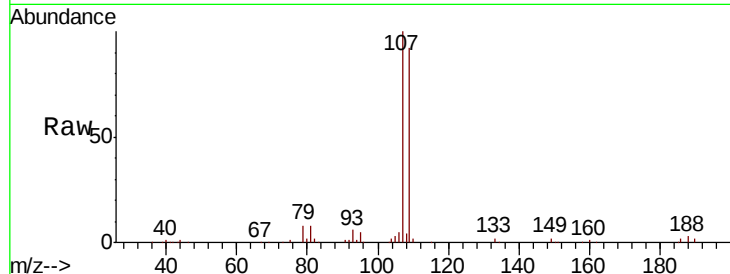




#50
 1,2-Dibromoethane
 Concen: 5.037 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	65.1	120.9
188	3.4	2.6	4.0

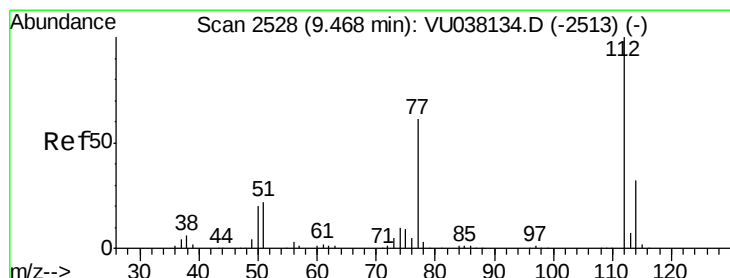
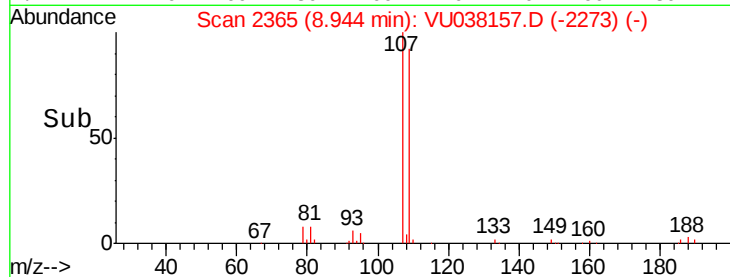
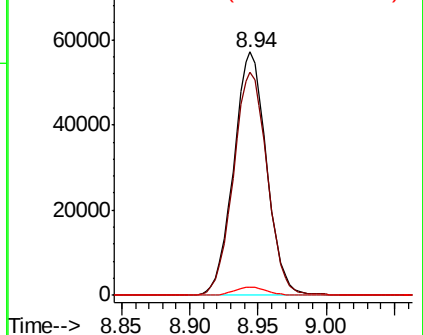


Abundance

Ion 106.95 (106.65 to 107.65): V

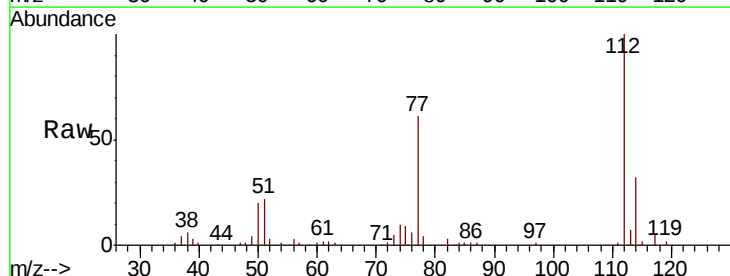
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 4.800 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.5	41.7
77	61.0	49.9	74.9

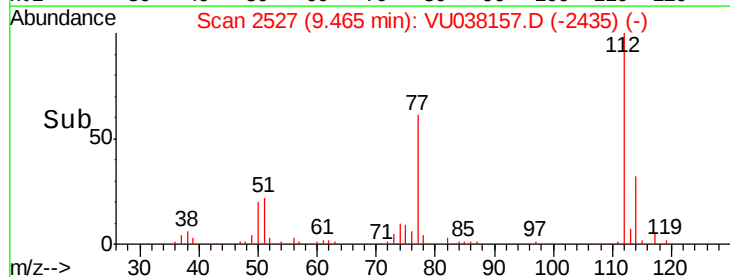
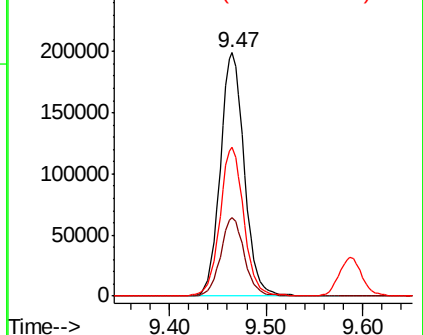


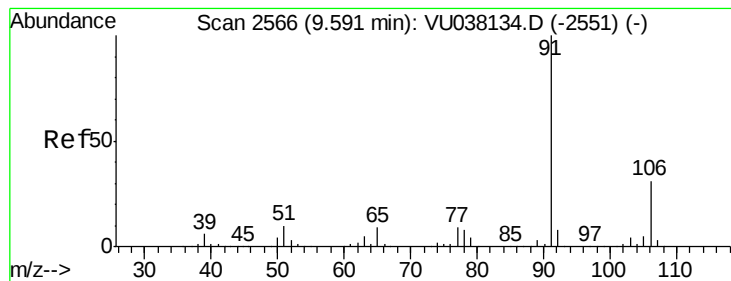
Abundance

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): VU





#52

Ethylbenzene

Concen: 4.681 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

Instrument :

MSVOA_U

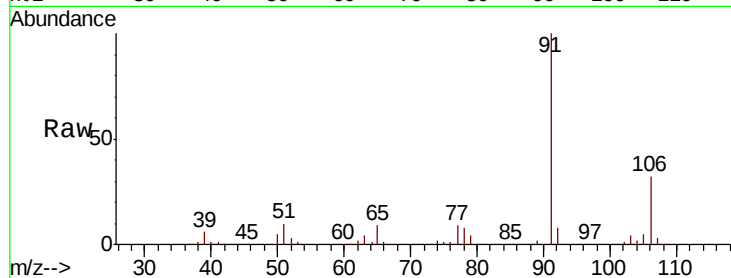
ClientSampled :

Tot Ion: 91 Resp: 581363

Ion Ratio Lower Upper

91 100

106 31.6 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038134.D (-2551) (-)

Ion 106.15 (105.85 to 106.85): VU038157.D (-2473) (-)

9.59

400000

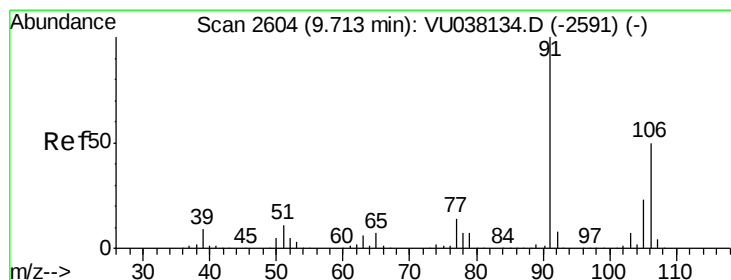
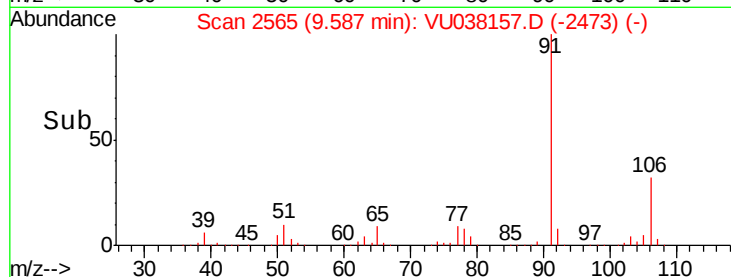
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 4.783 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038157.D

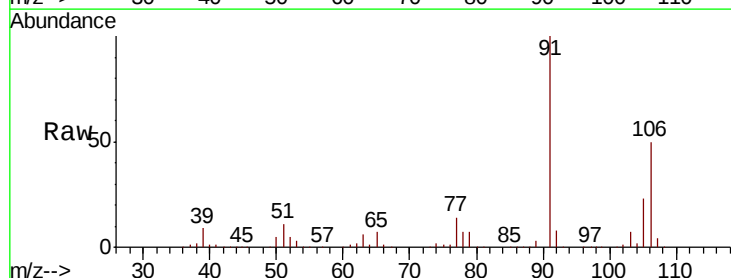
Acq: 13 May 2020 20:30

Tgt Ion: 106 Resp: 227764

Ion Ratio Lower Upper

106 100

91 199.4 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038134.D (-2591) (-)

Ion 91.15 (90.85 to 91.85): VU038157.D (-2511) (-)

9.71

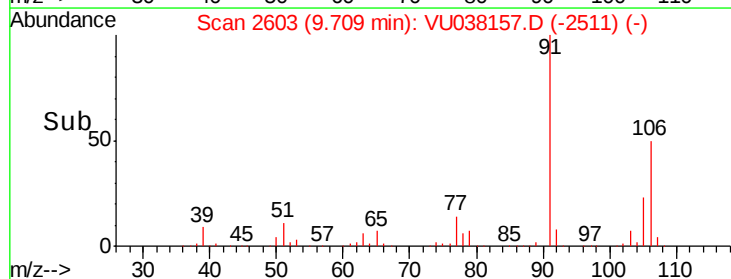
300000

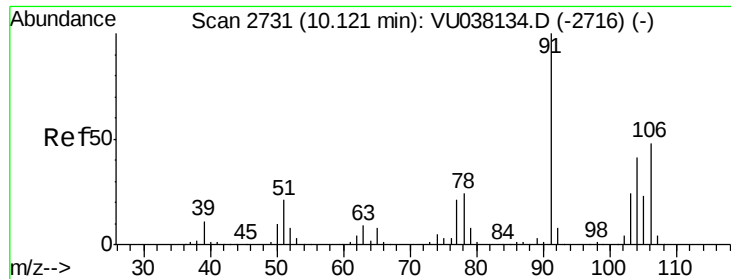
200000

100000

0

Time-->

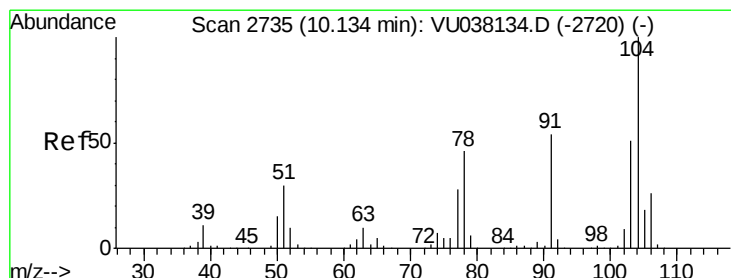
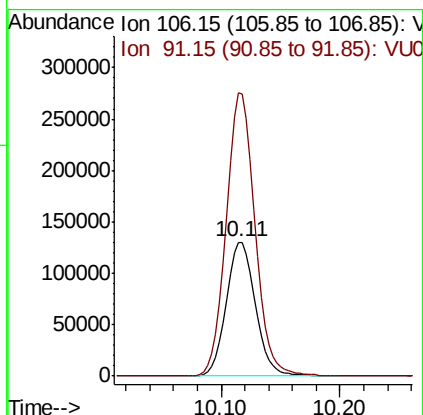
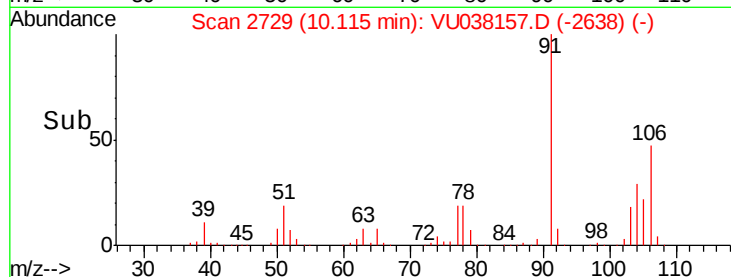
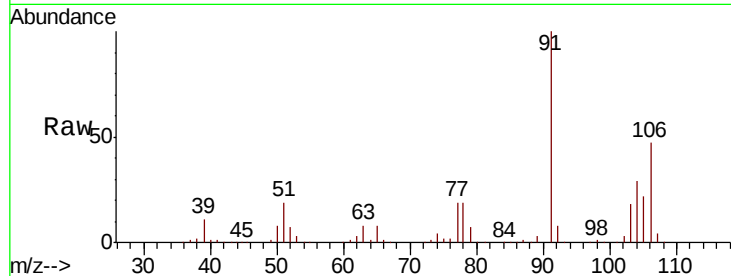




#54
o-Xylene
Concen: 4.800 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.01 min
Lab File: VU038157.D
Acq: 13 May 2020 20:30

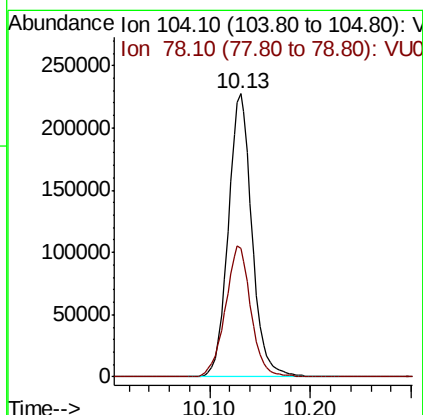
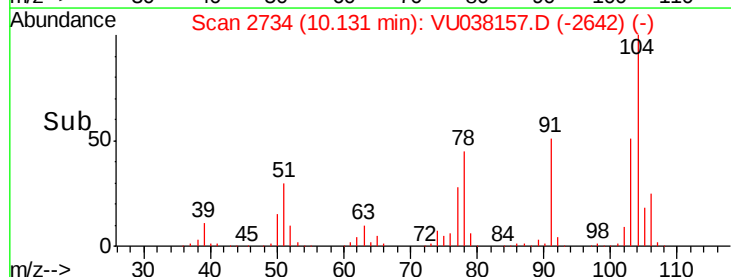
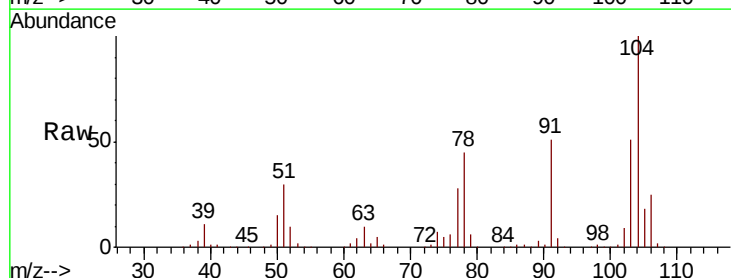
Instrument :
MSVOA_U
ClientSampled :

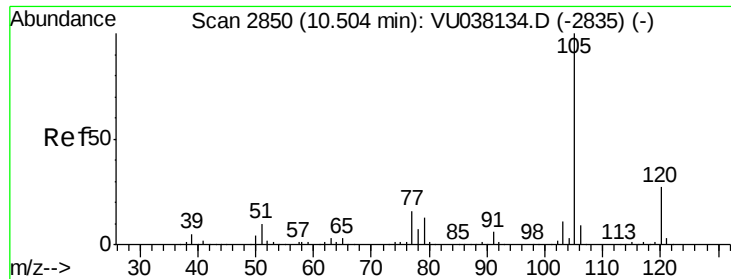
Tot Ion:106 Resp: 221008
Ion Ratio Lower Upper
106 100
91 211.2 148.5 275.9



#55
Styrene
Concen: 4.826 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038157.D
Acq: 13 May 2020 20:30

Tgt Ion:104 Resp: 373003
Ion Ratio Lower Upper
104 100
78 45.4 32.3 59.9





#56

Isopropylbenzene

Concen: 4.762 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.01 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

Instrument :

MSVOA_U

ClientSampleId :

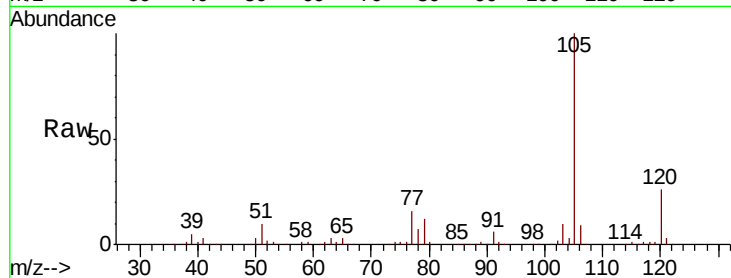
Tot Ion:105 Resp: 563153

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.6

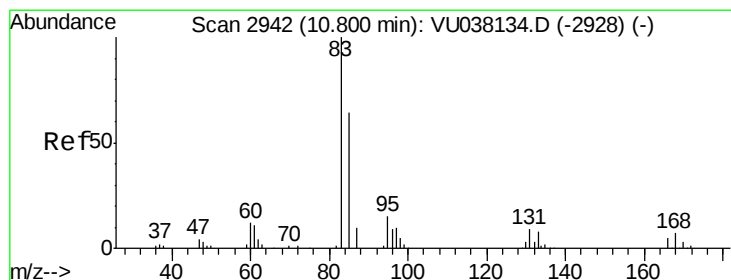
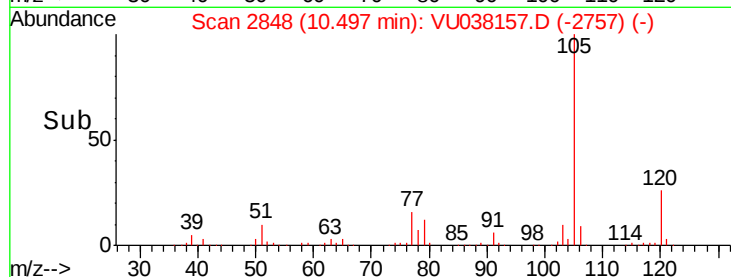
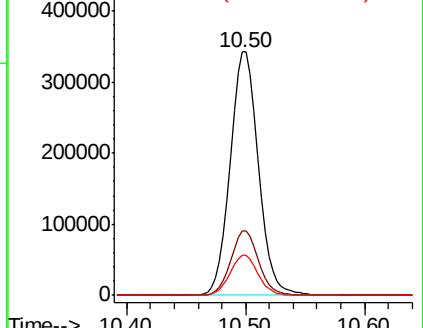
77 16.3 13.0 19.4



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: 5.112 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

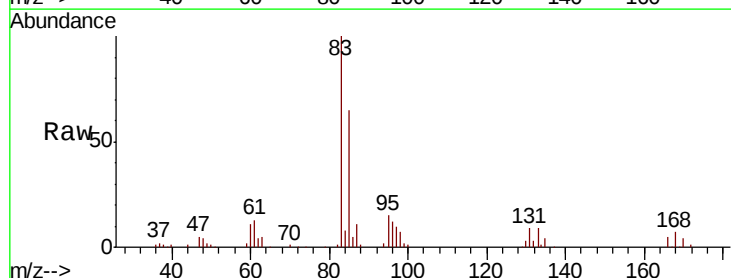
Tgt Ion: 83 Resp: 132963

Ion Ratio Lower Upper

83 100

85 64.8 47.0 87.2

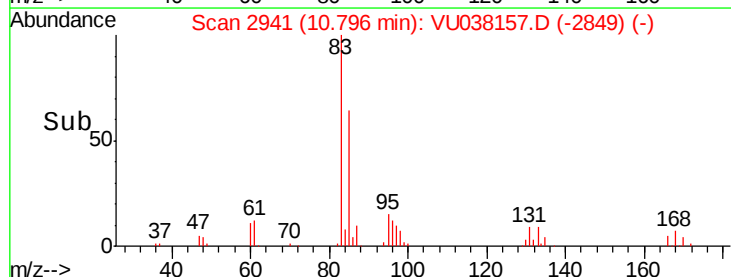
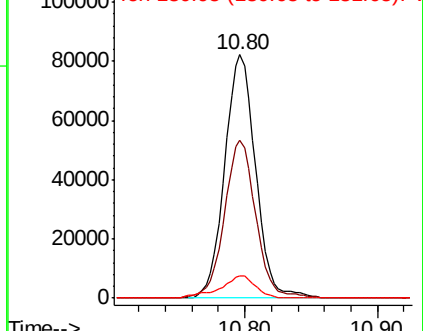
131 9.2 7.7 11.5

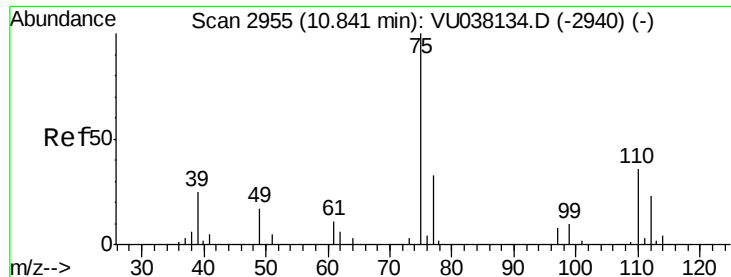


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

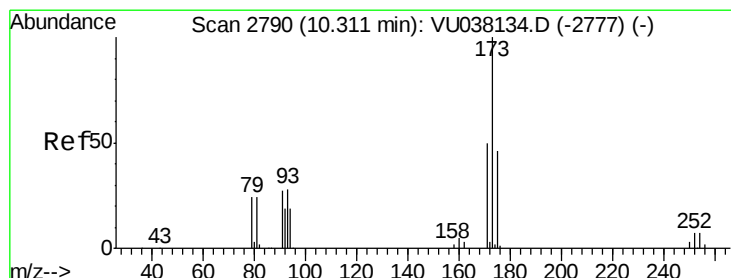
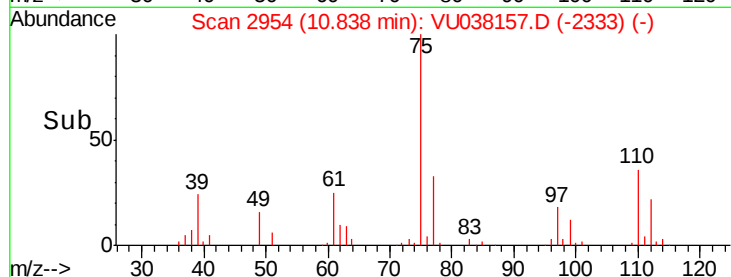
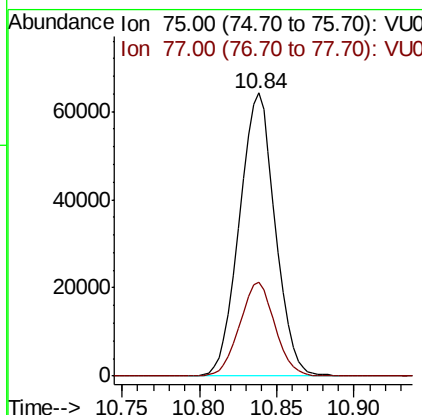
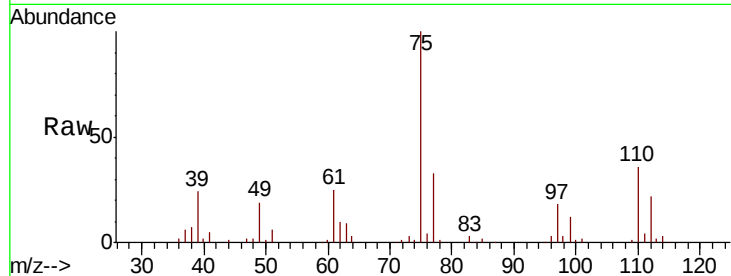




#59
 1,2,3-Trichloropropane
 Concen: 5.216 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

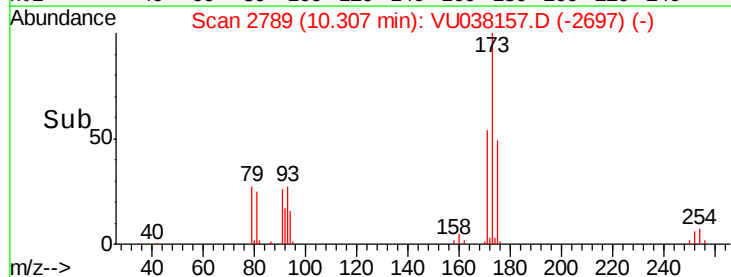
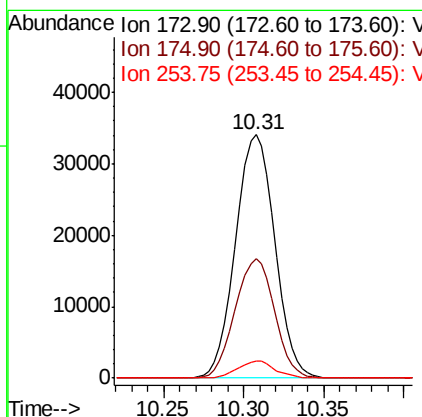
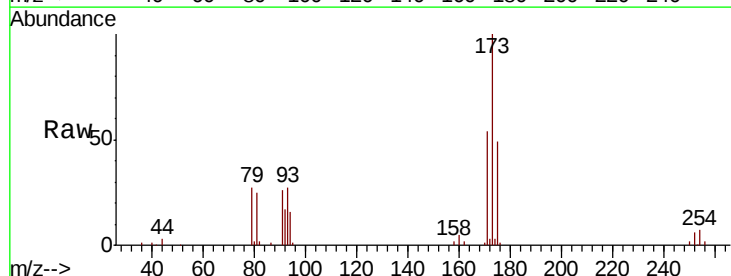
Instrument :
 MSVOA_U
 ClientSampleId :

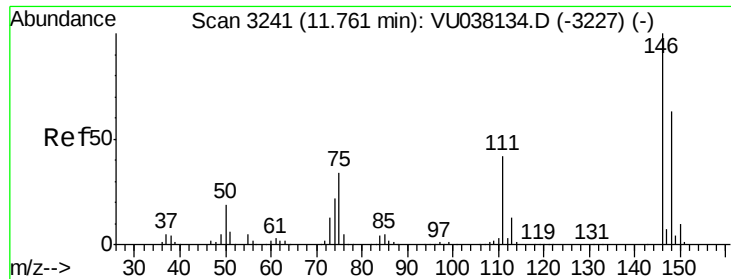
Tot Ion: 75 Resp: 103274
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.0



#61
 Bromoform
 Concen: 4.969 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

Tgt Ion:173 Resp: 57051
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.5 59.3
 254 6.6 5.0 7.4

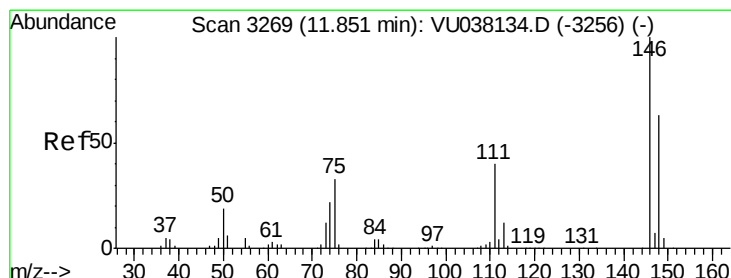
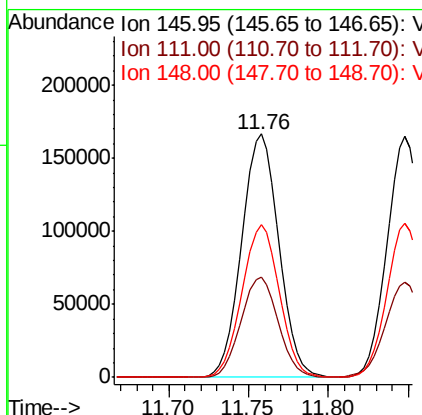
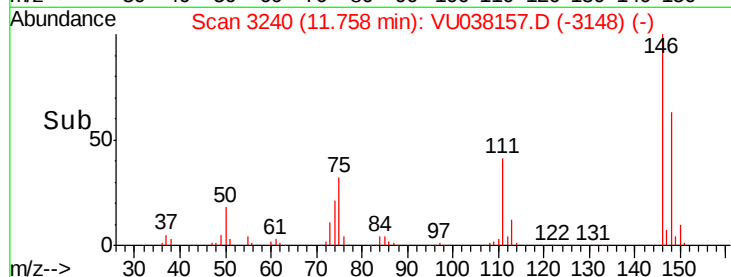
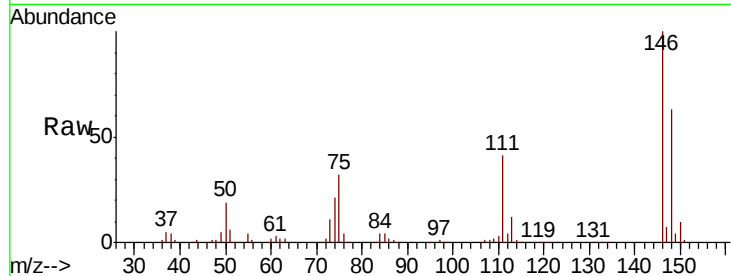




#62
 1,3-Dichlorobenzene
 Concen: 4.766 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

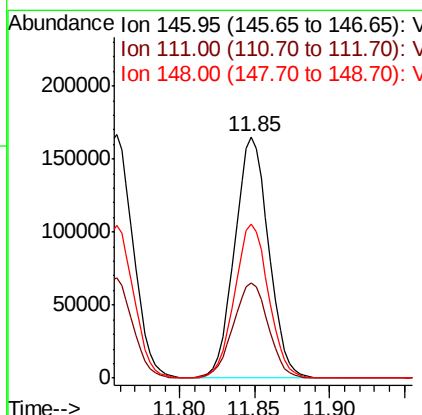
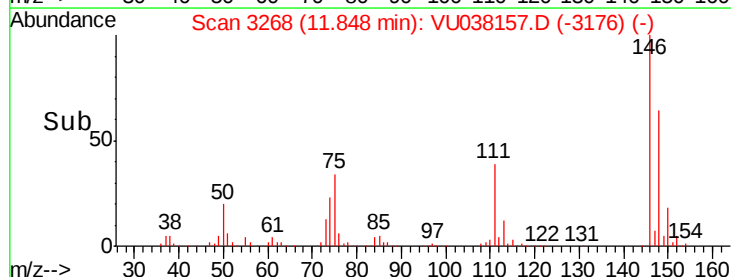
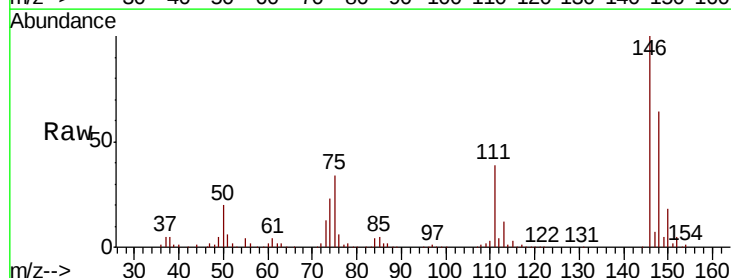
Instrument :
 MSVOA_U
 ClientSampleId :

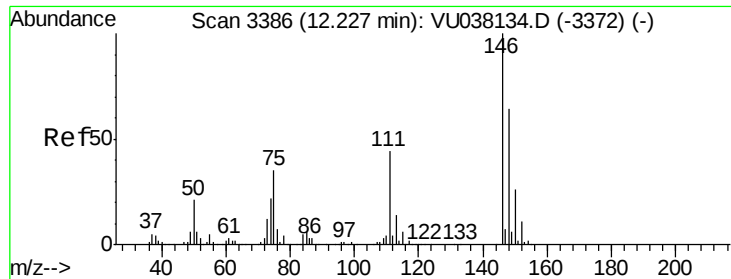
Tot Ion:146 Resp: 263369
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.6 53.2
 148 62.6 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 4.653 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

Tgt Ion:146 Resp: 260547
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.2 50.6
 148 63.9 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 4.817 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

Instrument :

MSVOA_U

ClientSampled :

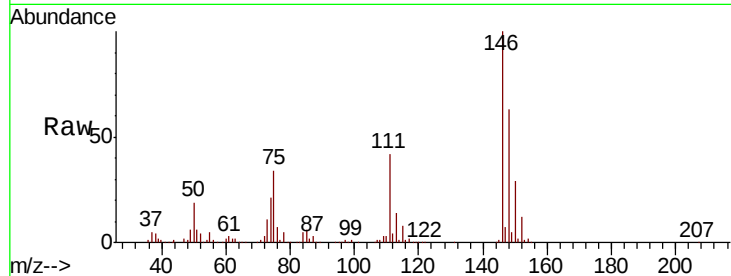
Tot Ion:146 Resp: 256124

Ion Ratio Lower Upper

146 100

111 41.8 35.3 52.9

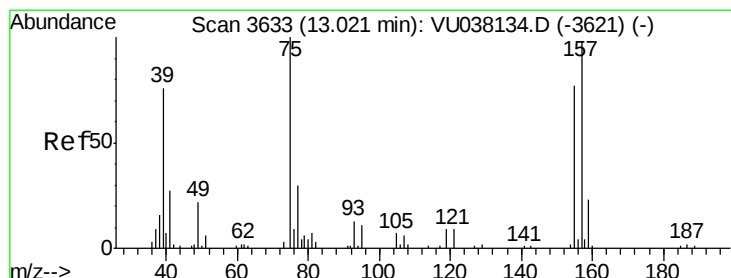
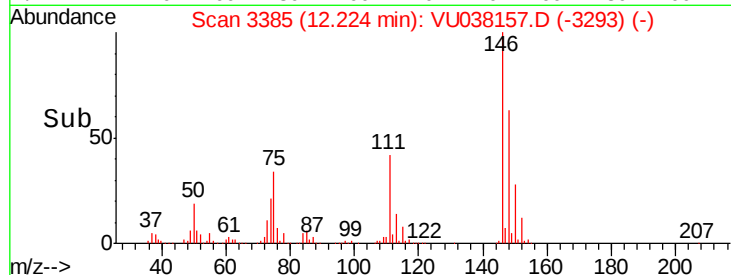
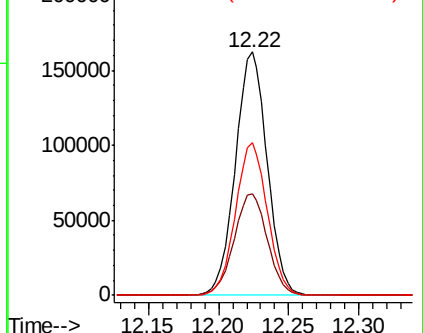
148 62.6 51.0 76.4



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: 5.056 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.01 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

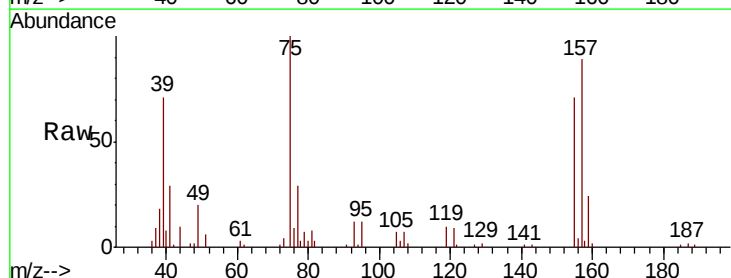
Tgt Ion: 75 Resp: 21970

Ion Ratio Lower Upper

75 100

155 71.1 58.2 87.2

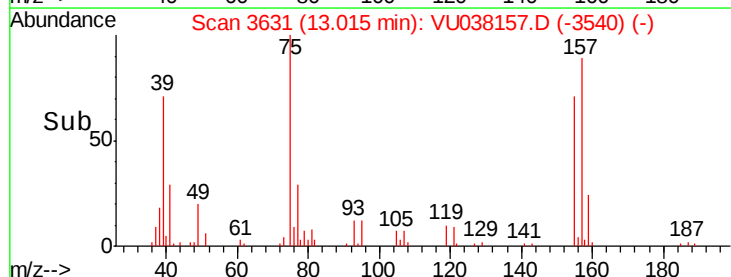
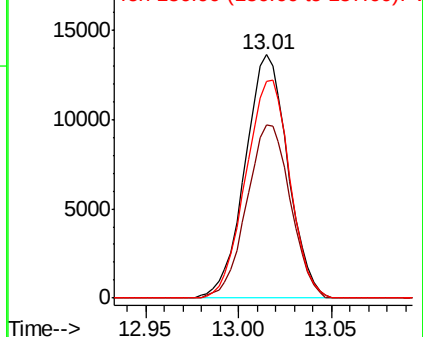
157 89.2 72.9 109.3

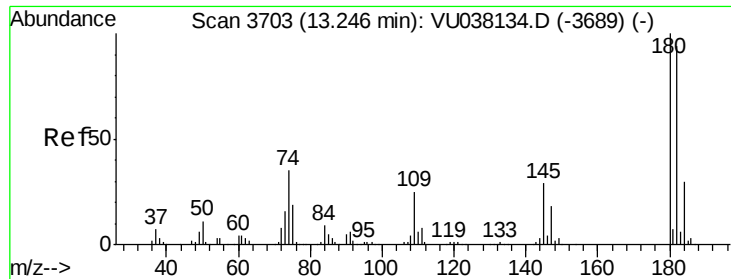


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

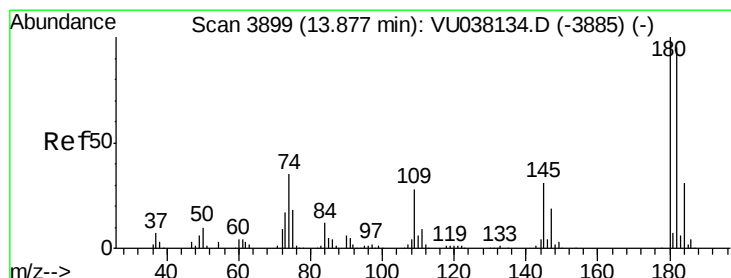
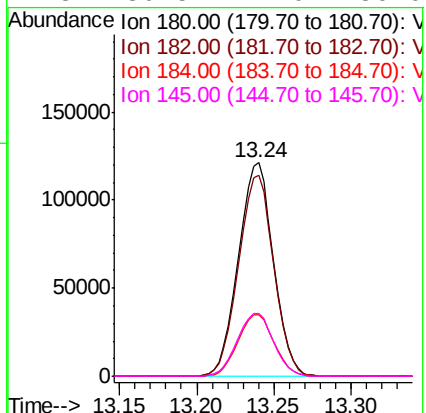
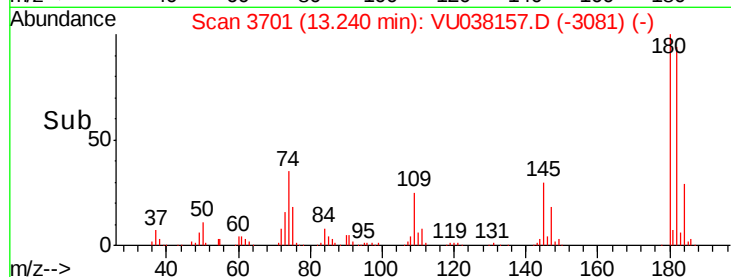
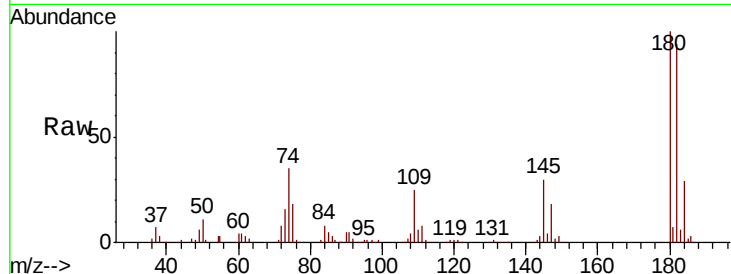




#67
 1,3,5-Trichlorobenzene
 Concen: 4.744 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

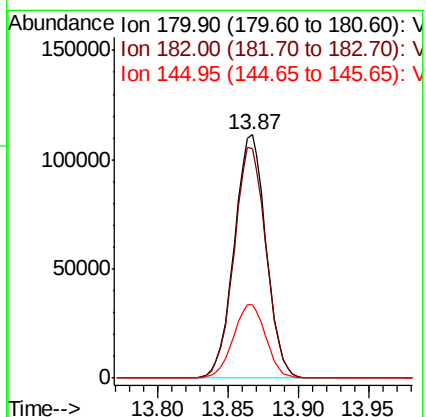
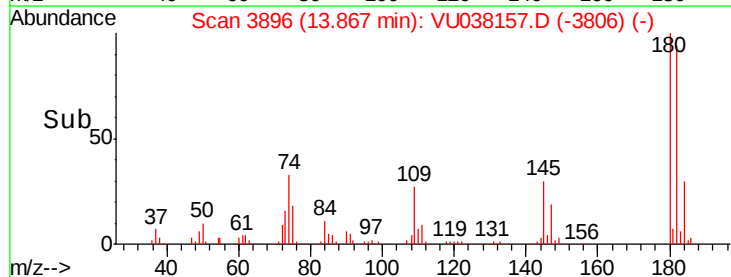
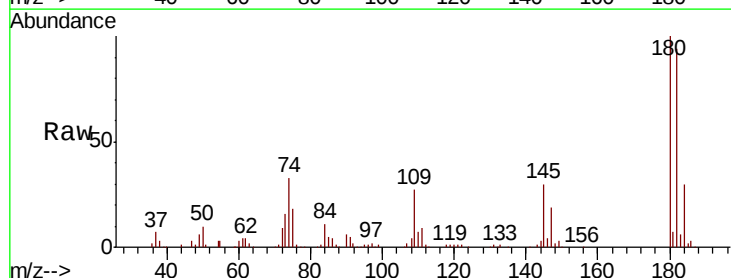
Instrument :
 MSVOA_U
 ClientSampleId :

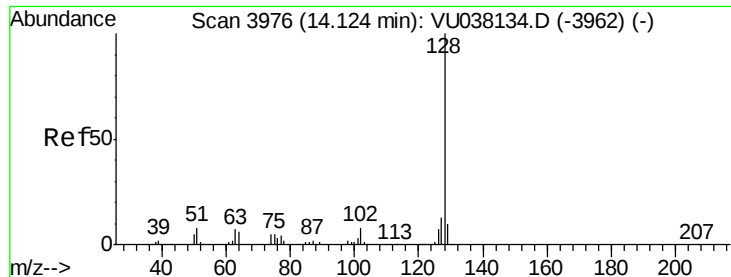
Tot Ion:	180	Resp:	190227
Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.4	116.2
184	29.8	24.2	36.2
145	30.5	24.0	36.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.841 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU038157.D
 Acq: 13 May 2020 20:30

Tgt Ion:	180	Resp:	176055
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.0	112.6
145	30.8	24.8	37.2





#69

Naphthalene

Concen: 5.047 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

Instrument :

MSVOA_U

ClientSampleId :

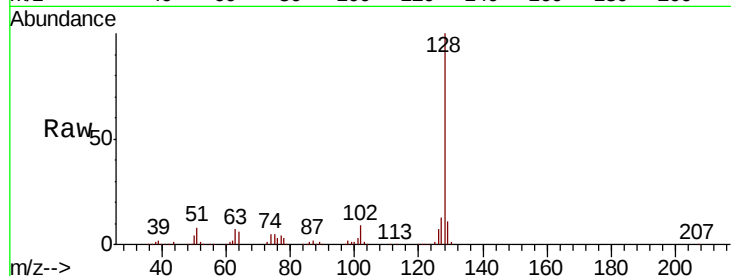
Tot Ion:128 Resp: 386455

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

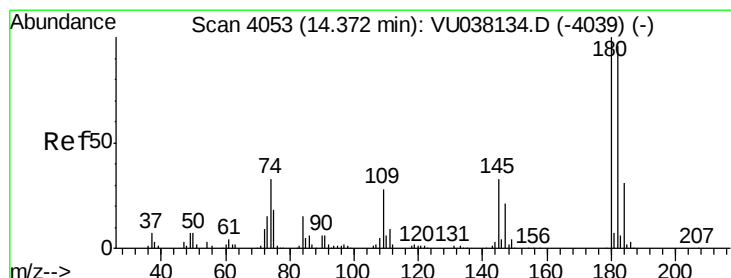
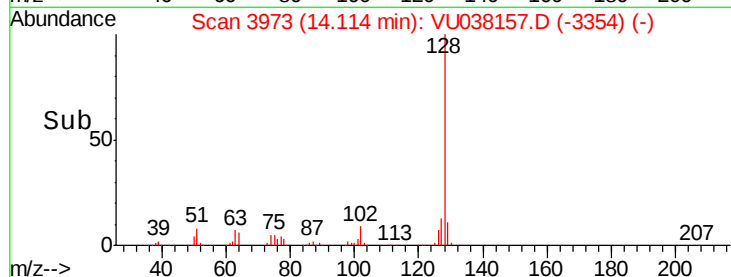
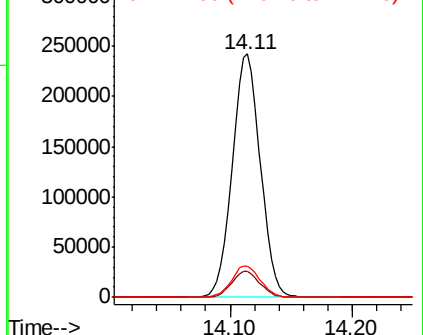
127 13.3 10.2 15.4



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: 4.844 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038157.D

Acq: 13 May 2020 20:30

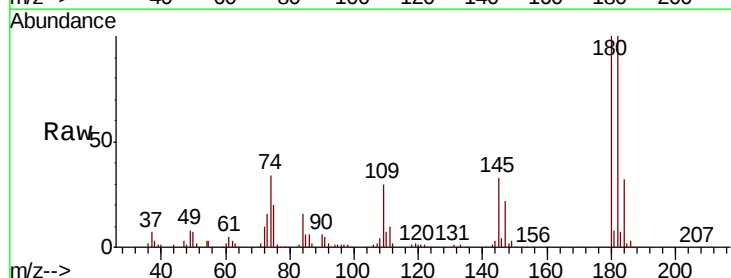
Tgt Ion:180 Resp: 163757

Ion Ratio Lower Upper

180 100

182 98.2 76.3 114.5

145 33.0 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

