

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060120\
 Data File : VU038482.D
 Acq On : 01 Jun 2020 19:32
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 02 05:31:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 02 05:25:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	319274	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	317017	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	159898	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	94236	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.93	69	76169	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.59	63	196218	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.40%
20) 2-Butanone-d5	4.68	46	334163	53.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.46%
24) Chloroform-d	5.10	84	195933	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.74	65	112398	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.76	84	385488	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.72	67	116401	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.92	98	338627	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	8.20	79	48933	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.66	63	275301	53.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.52%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	104198	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	132735	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	116080	4.613	ug/L 97
3) Chloromethane	1.53	50	100100	4.332	ug/L 98
5) Vinyl chloride	1.62	62	112750	4.554	ug/L 97
6) Bromomethane	1.87	94	54396	4.525	ug/L 95
8) Chloroethane	1.95	64	67779	4.569	ug/L 99
9) Trichlorofluoromethane	2.16	101	161044	4.903	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	91825	4.747	ug/L 98
12) 1,1-Dichloroethene	2.60	96	91966	4.677	ug/L 96
13) Acetone	2.69	43	205691	50.070	ug/L 99
14) Carbon disulfide	2.82	76	271420	4.068	ug/L 99
15) Methyl Acetate	2.99	43	50696	5.037	ug/L 99
16) Methylene chloride	3.08	84	105280	4.731	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	256586	4.977	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	98101	4.629	ug/L 98
19) 1,1-Dichloroethane	3.91	63	185203	4.884	ug/L 98
21) 2-Butanone	4.76	43	351111	50.814	ug/L 97
22) cis-1,2-Dichloroethene	4.71	96	110211	4.830	ug/L 95

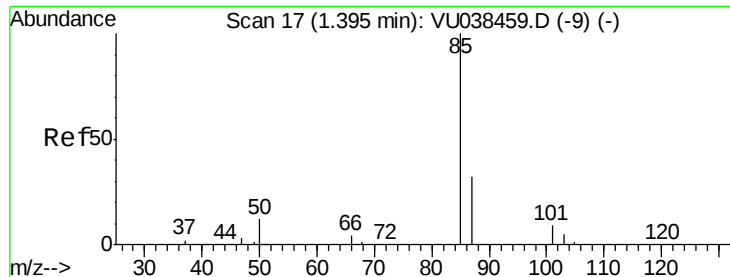
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060120\
 Data File : VU038482.D
 Acq On : 01 Jun 2020 19:32
 Operator : JC/MD
 Sample : VSTDCCC005EC
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 ClientSampleId :

Quant Time: Jun 02 05:31:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 02 05:25:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	48229	4.697	ug/L	91
25) Chloroform	5.12	83	190887	4.955	ug/L	100
27) 1,2-Dichloroethane	5.83	62	135277	4.988	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	166667	4.969	ug/L	99
30) Cyclohexane	5.42	56	152345	4.331	ug/L	100
31) Carbon tetrachloride	5.56	117	136923	4.903	ug/L	99
33) Benzene	5.81	78	413137	4.673	ug/L	100
34) Trichloroethene	6.57	95	108448	4.727	ug/L	97
35) Methylcyclohexane	6.79	83	147452	4.151	ug/L	99
37) 1,2-Dichloropropane	6.82	63	111637	5.019	ug/L	100
38) Bromodichloromethane	7.13	83	137080	4.962	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	154950	4.713	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	780630	49.069	ug/L	99
42) Toluene	7.99	91	440628	4.752	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	136203	4.691	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	83040	4.948	ug/L	95
47) Tetrachloroethene	8.57	164	76383	4.582	ug/L	97
48) 2-Hexanone	8.71	43	595794	49.452	ug/L	100
49) Dibromochloromethane	8.83	129	91680	5.061	ug/L	97
50) 1,2-Dibromoethane	8.94	107	78562	4.889	ug/L	99
51) Chlorobenzene	9.47	112	283858	4.747	ug/L	99
52) Ethylbenzene	9.59	91	482748	4.680	ug/L	100
53) m,p-Xylene	9.71	106	186614	4.704	ug/L	93
54) o-Xylene	10.11	106	183227	4.811	ug/L	99
55) Styrene	10.13	104	314929	4.871	ug/L	99
56) Isopropylbenzene	10.50	105	474994	4.738	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	104641	4.906	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	81775	4.925	ug/L	100
61) Bromoform	10.31	173	49663	4.986	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	223855	4.765	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	226467	4.754	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	215137	4.823	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	18162	5.028	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	164913	4.705	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	148652	4.582	ug/L	100
69) Naphthalene	14.11	128	301857	4.675	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	138734	4.700	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.613 ug/L

RT: 1.40 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

Instrument :

MSVOA_U

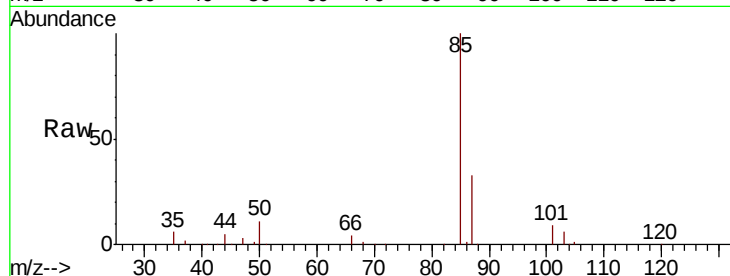
ClientSampleId :

Tot Ion: 85 Resp: 116080

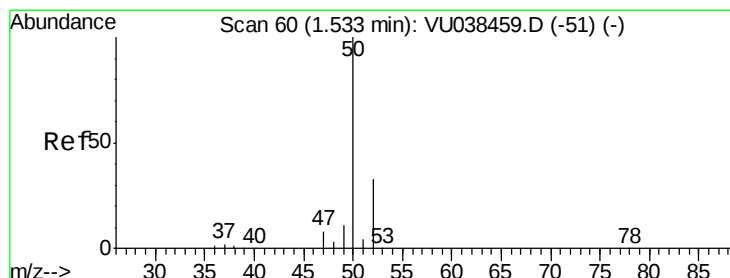
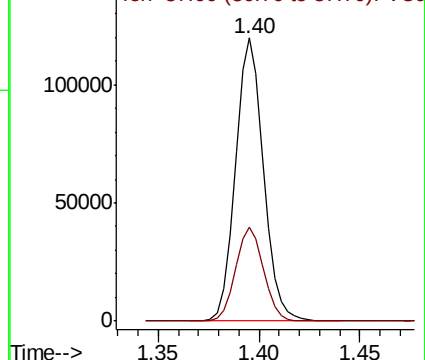
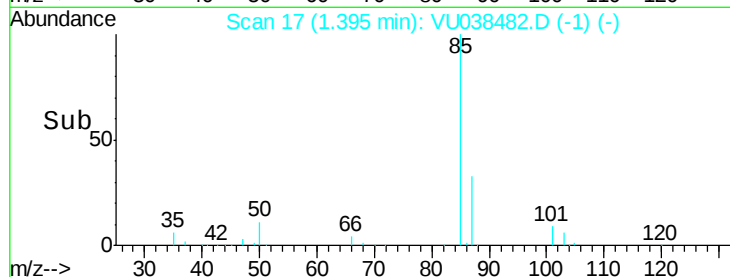
Ion Ratio Lower Upper

85 100

87 33.3 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038482.D (-1) (-)



#3

Chloromethane

Concen: 4.332 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038482.D

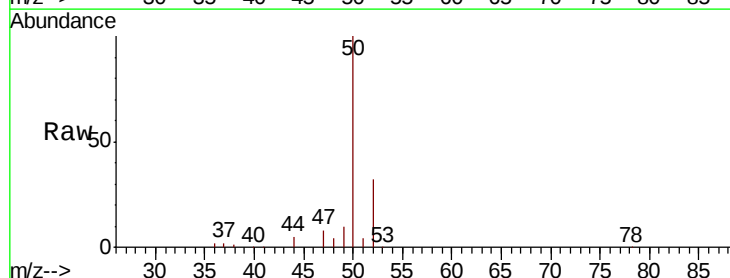
Acq: 01 Jun 2020 19:32

Tgt Ion: 50 Resp: 100100

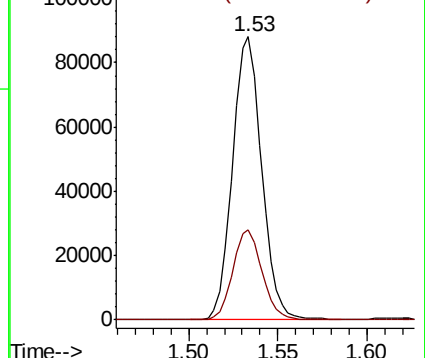
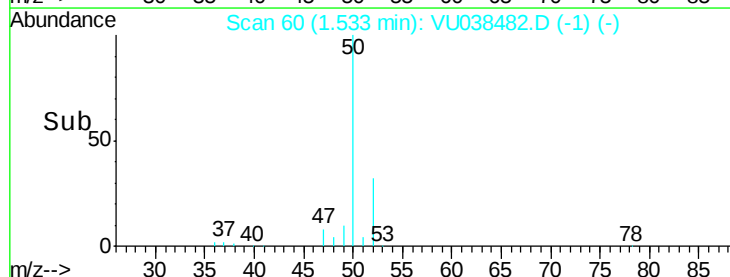
Ion Ratio Lower Upper

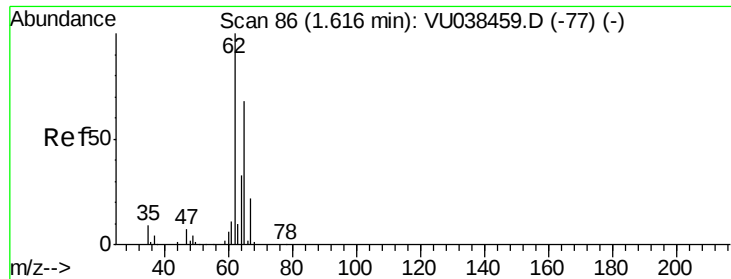
50 100

52 31.8 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038482.D (-1) (-)





#5

Vinyl chloride

Concen: 4.554 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

Instrument :

MSVOA_U

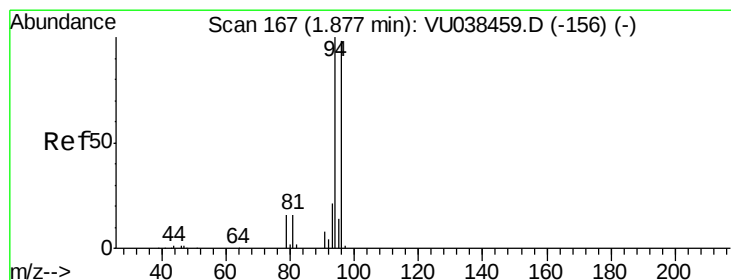
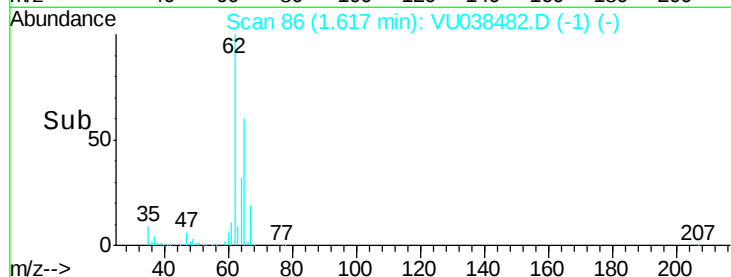
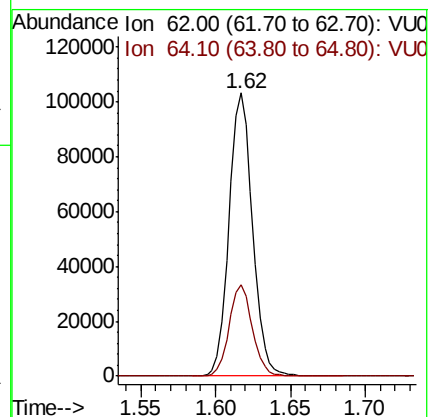
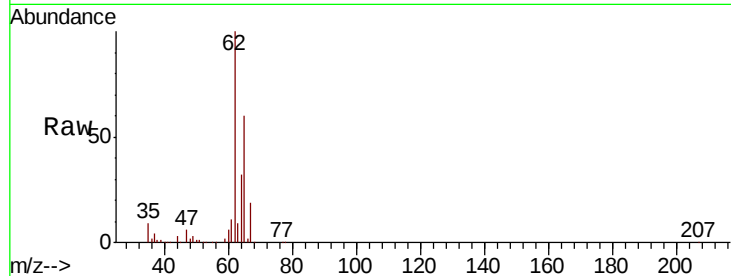
ClientSampled :

Tot Ion: 62 Resp: 112750

Ion Ratio Lower Upper

62 100

64 32.2 23.7 43.9



#6

Bromomethane

Concen: 4.525 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038482.D

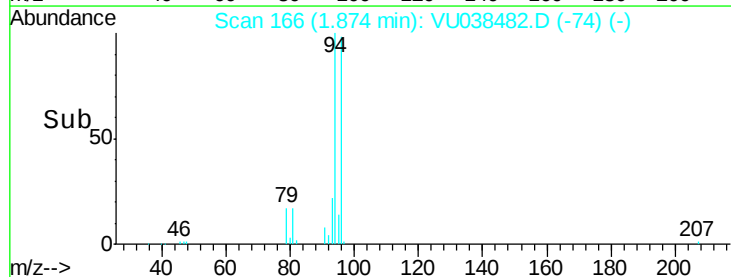
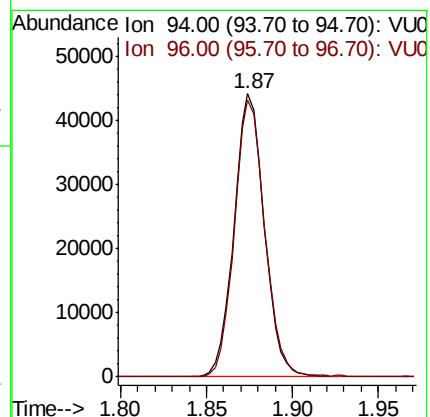
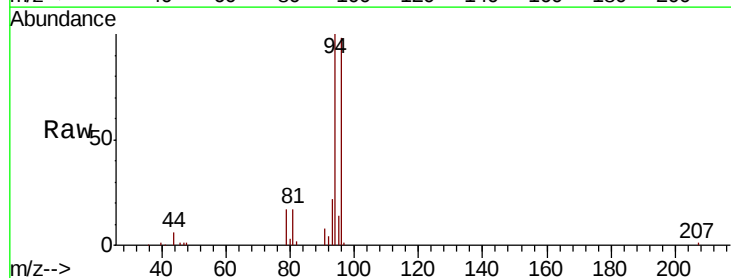
Acq: 01 Jun 2020 19:32

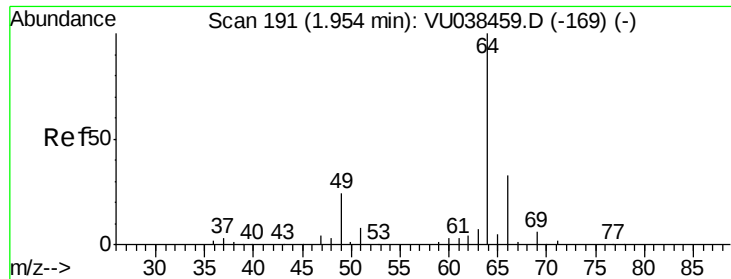
Tgt Ion: 94 Resp: 54396

Ion Ratio Lower Upper

94 100

96 97.9 65.5 121.6





#8

Chloroethane

Concen: 4.569 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

Instrument :

MSVOA_U

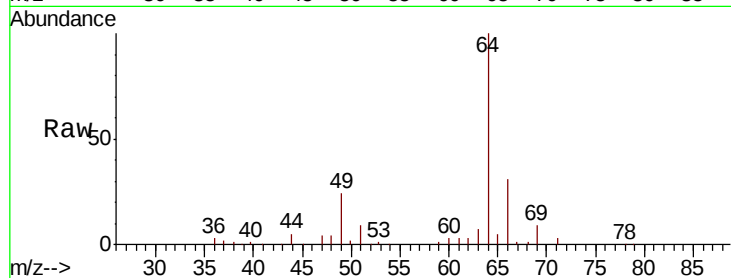
ClientSampleId :

Tot Ion: 64 Resp: 67779

Ion Ratio Lower Upper

64 100

66 31.4 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VU038459.D (-169) (-)

Ion 66.05 (65.75 to 66.75): VU038459.D (-169) (-)

1.95

60000

50000

40000

30000

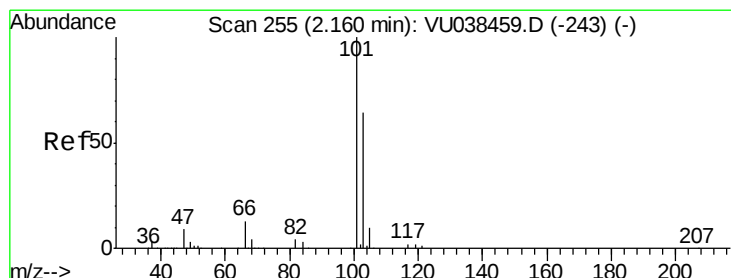
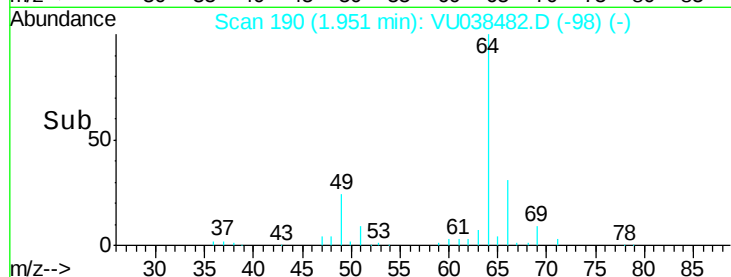
20000

10000

0

Time-->

1.90 1.95 2.00



#9

Trichlorofluoromethane

Concen: 4.903 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038482.D

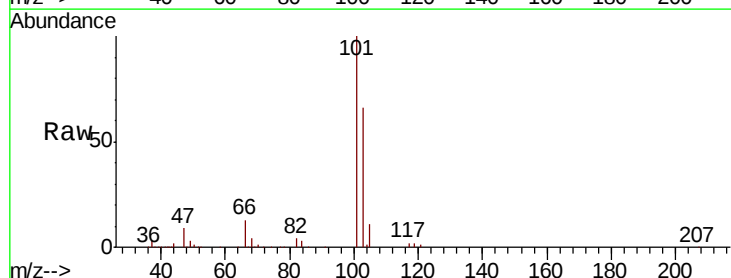
Acq: 01 Jun 2020 19:32

Tgt Ion: 101 Resp: 161044

Ion Ratio Lower Upper

101 100

103 64.9 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU038459.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU038459.D (-243) (-)

2.16

120000

100000

80000

60000

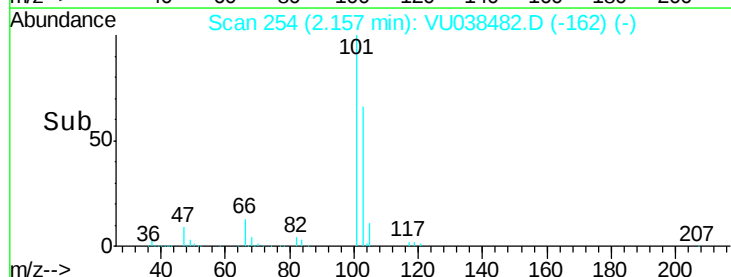
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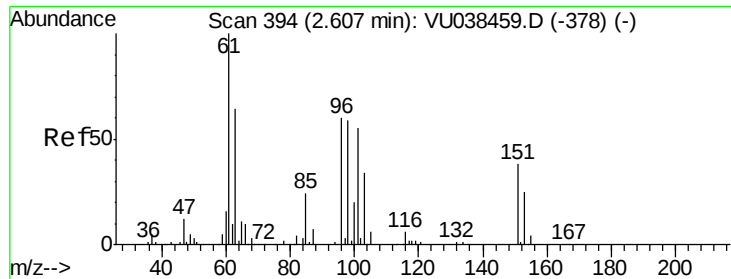
20000

0

Time-->

2.10 2.15 2.20





#10

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

Concen: 4.747 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

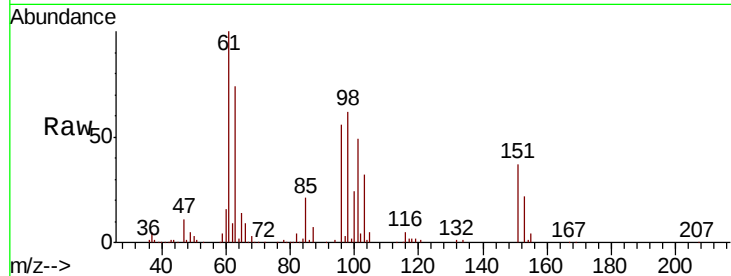
Tot Ion:101 Resp: 91825

Ion Ratio Lower Upper

101 100

85 44.4 34.0 51.0

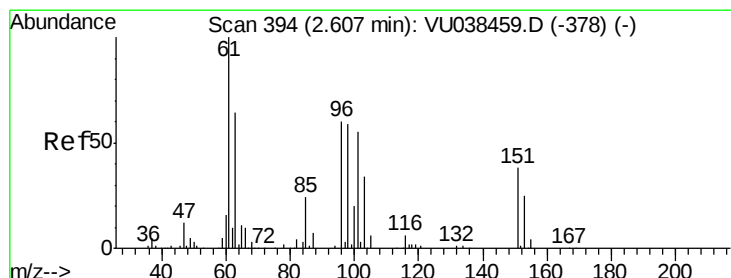
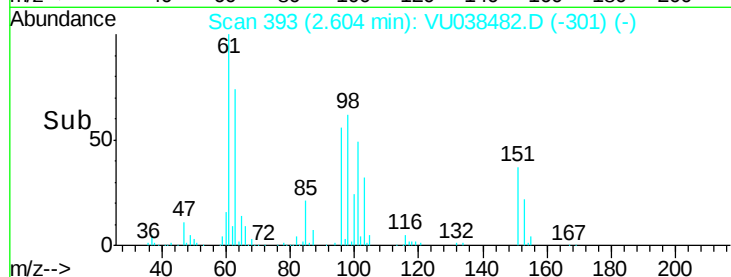
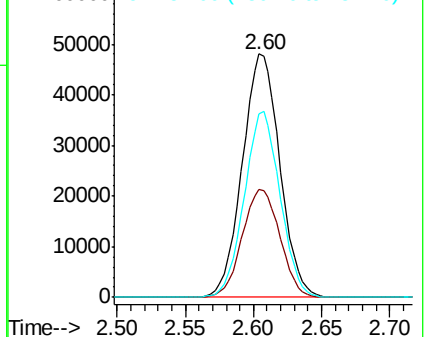
151 72.6 56.9 85.3



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: 4.677 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

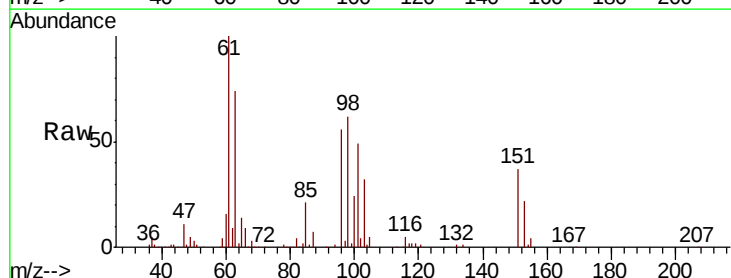
Tgt Ion: 96 Resp: 91966

Ion Ratio Lower Upper

96 100

61 177.9 119.9 222.7

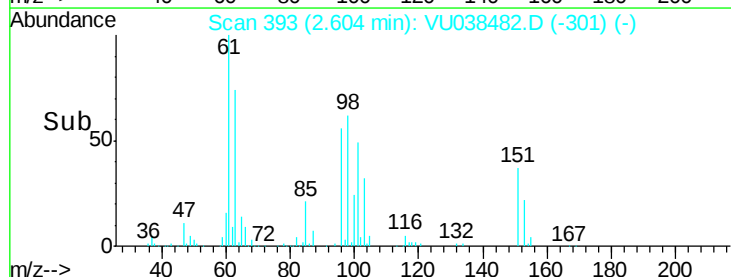
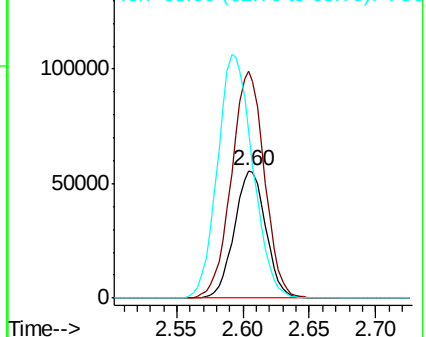
63 130.8 89.9 167.0

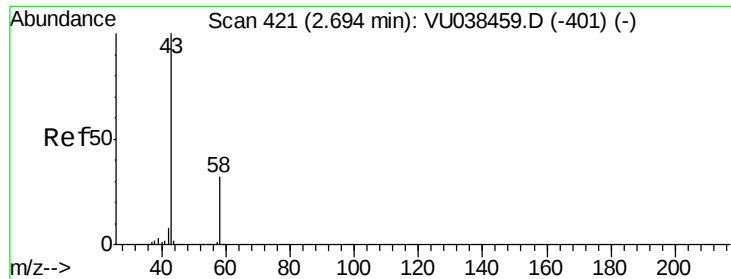


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.070 ug/L

RT: 2.69 min Scan# 420

Delta R.T. -0.00 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

Instrument :

MSVOA_U

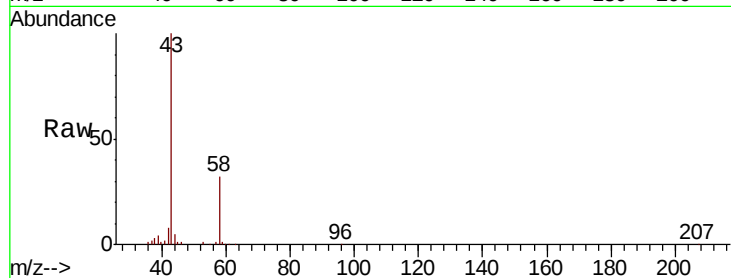
ClientSampled :

Tot Ion: 43 Resp: 205691

Ion Ratio Lower Upper

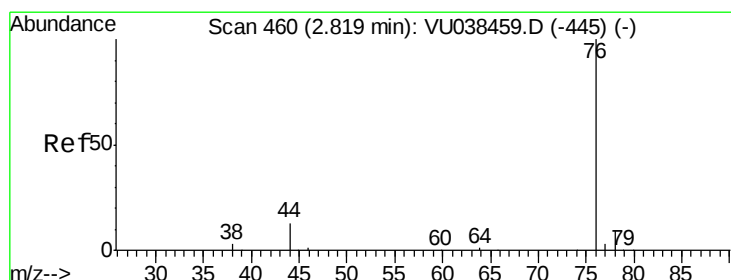
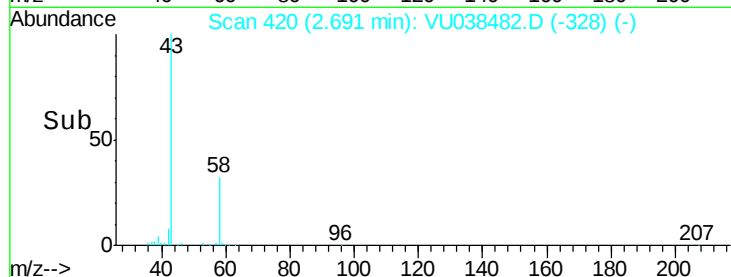
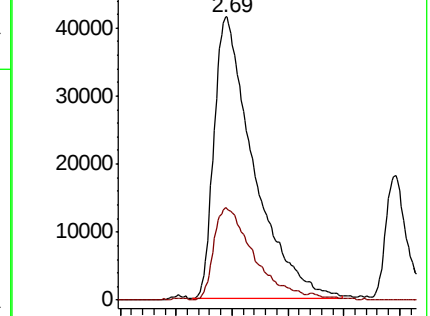
43 100

58 32.2 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038459.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038459.D (-401) (-)



#14

Carbon disulfide

Concen: 4.068 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038482.D

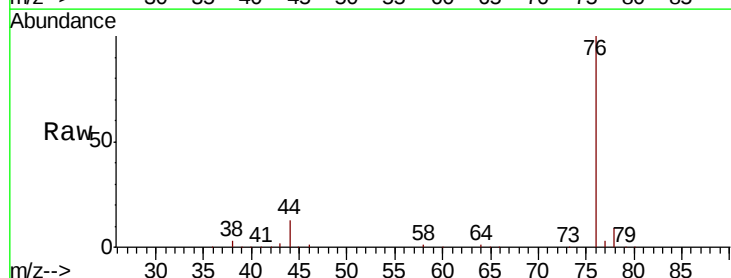
Acq: 01 Jun 2020 19:32

Tgt Ion: 76 Resp: 271420

Ion Ratio Lower Upper

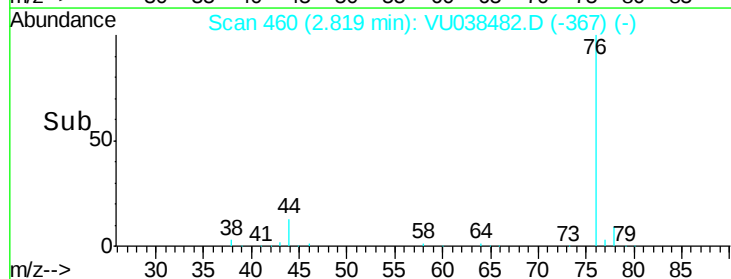
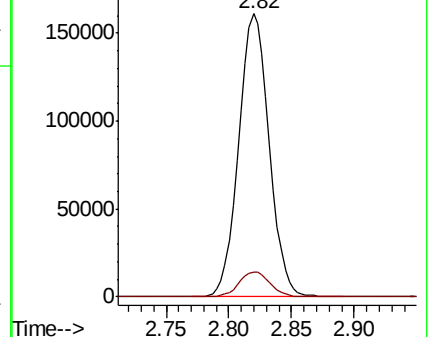
76 100

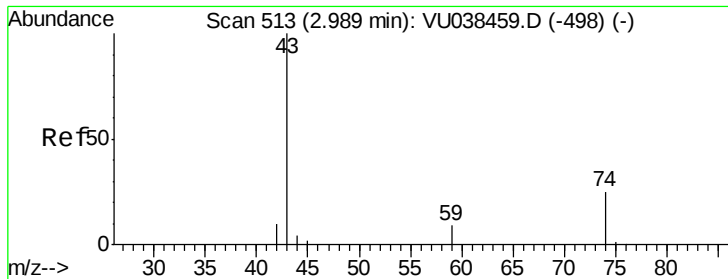
78 8.8 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038459.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038459.D (-445) (-)

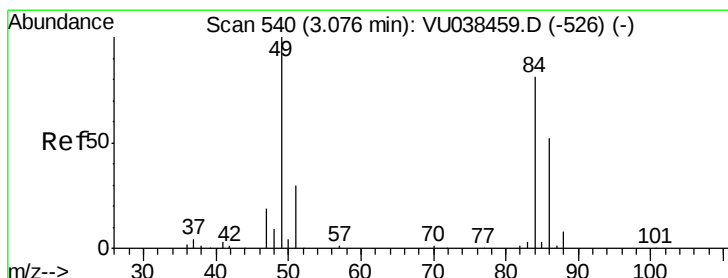
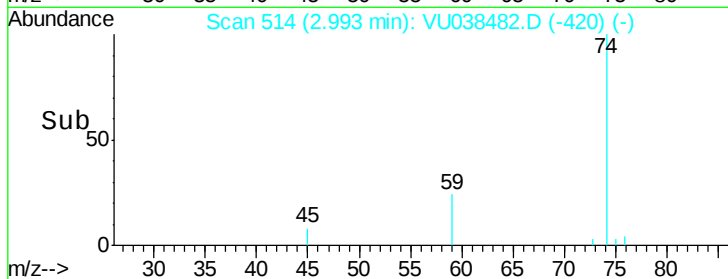
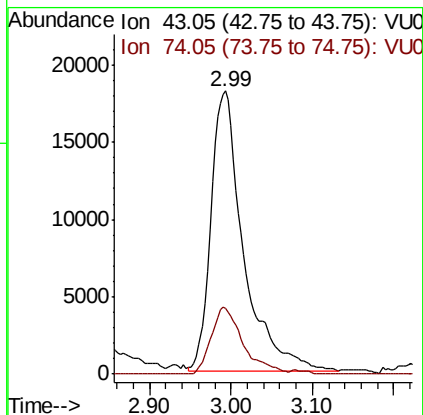
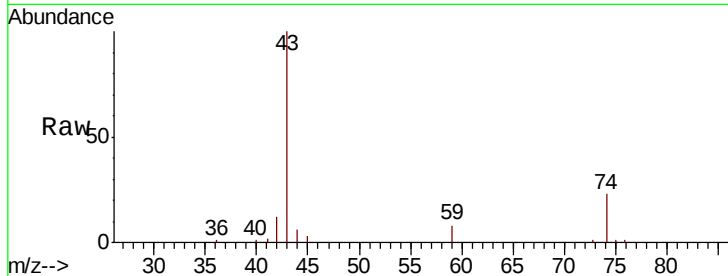




#15
Methvl Acetate
Concen: 5.037 ug/L
RT: 2.99 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU038482.D
Acq: 01 Jun 2020 19:32

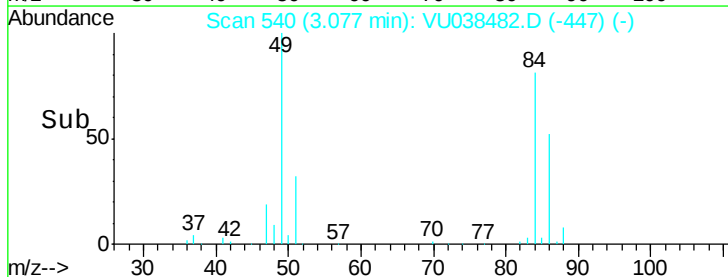
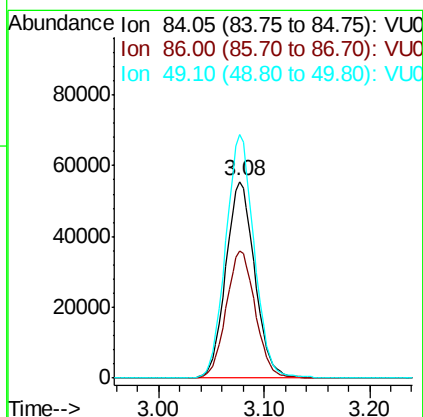
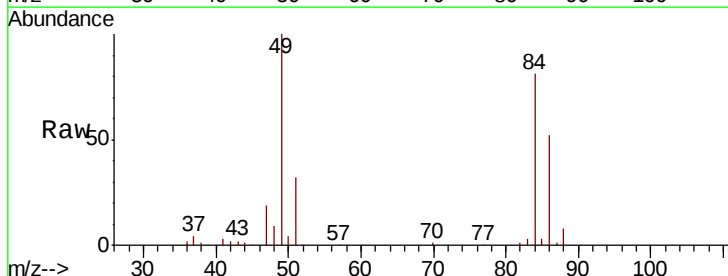
Instrument :
MSVOA_U
ClientSampled :

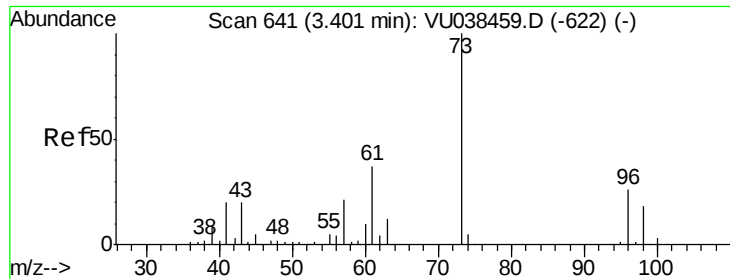
Tot Ion: 43 Resp: 50696
Ion Ratio Lower Upper
43 100
74 23.6 19.2 28.8



#16
Methylene chloride
Concen: 4.731 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038482.D
Acq: 01 Jun 2020 19:32

Tgt Ion: 84 Resp: 105280
Ion Ratio Lower Upper
84 100
86 64.8 45.0 83.6
49 123.9 85.5 158.9

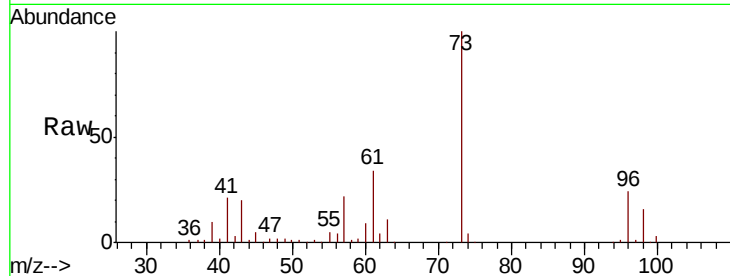




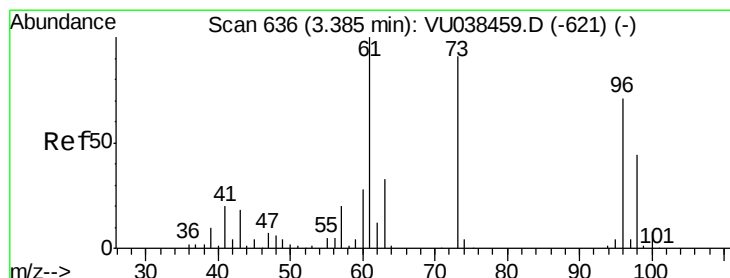
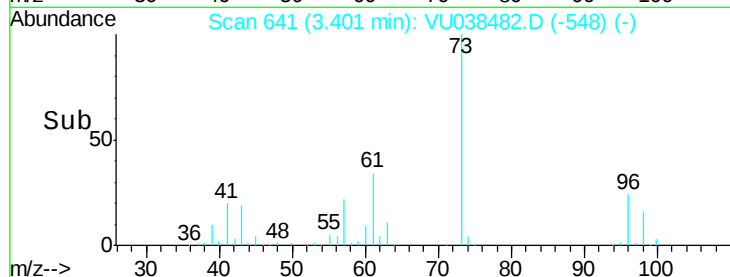
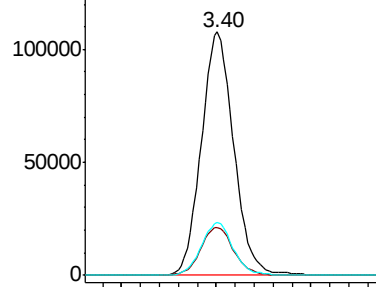
#17
Methvl tert-butvl Ether
Concen: 4.977 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038482.D
Acq: 01 Jun 2020 19:32

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 256586
Ion Ratio Lower Upper
73 100
43 20.1 15.5 23.3
57 21.4 17.8 26.6

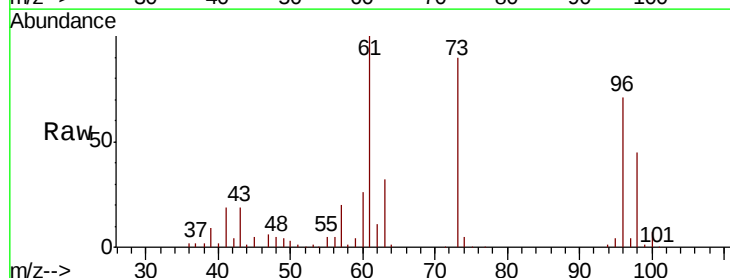


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

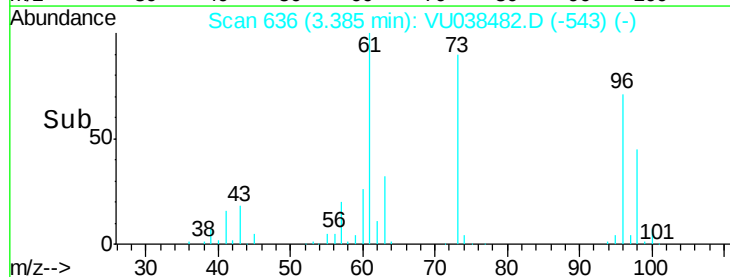
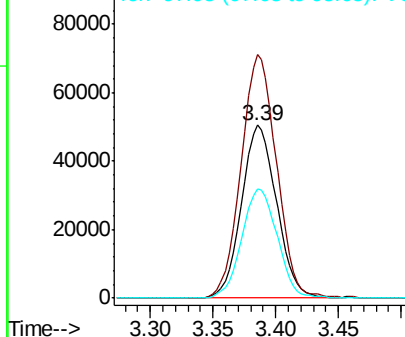


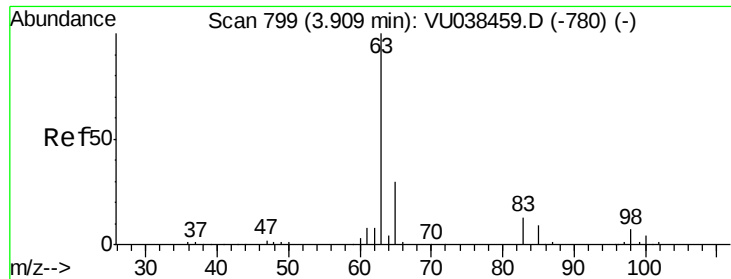
#18
trans-1,2-Dichloroethene
Concen: 4.629 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU038482.D
Acq: 01 Jun 2020 19:32

Tgt Ion: 96 Resp: 98101
Ion Ratio Lower Upper
96 100
61 140.9 100.2 186.0
98 62.9 42.8 79.4



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

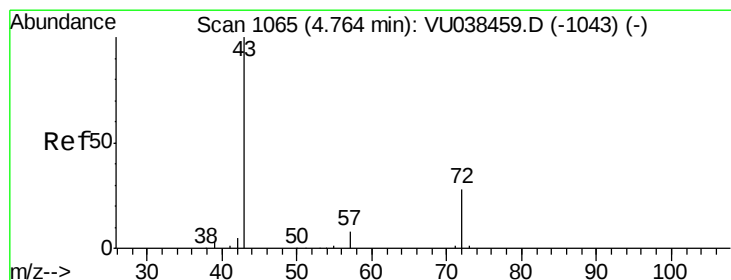
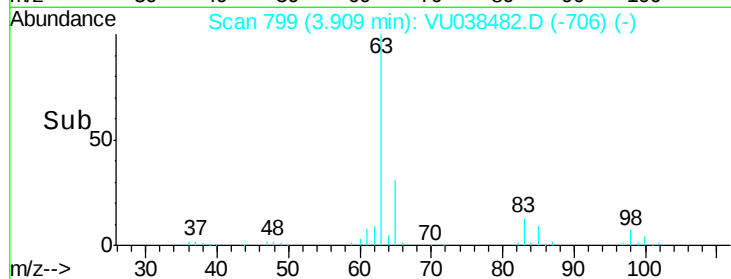
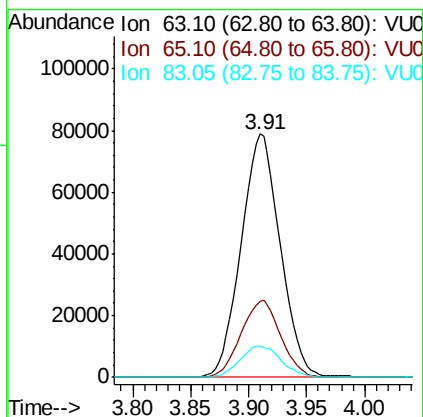
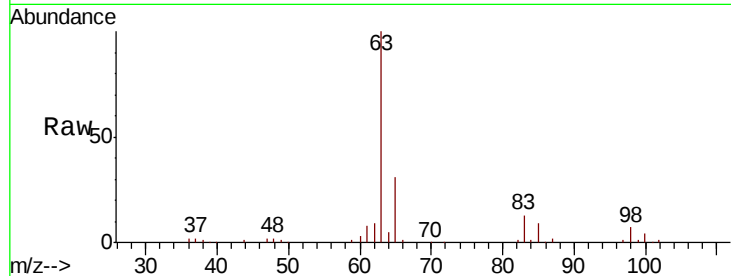




#19
 1,1-Dichloroethane
 Concen: 4.884 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038482.D
 Acq: 01 Jun 2020 19:32

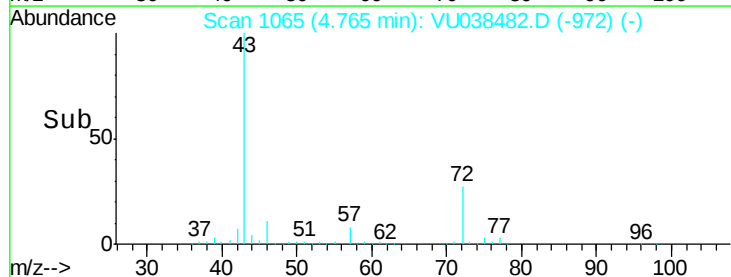
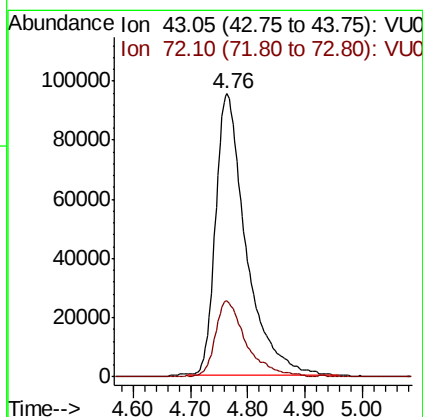
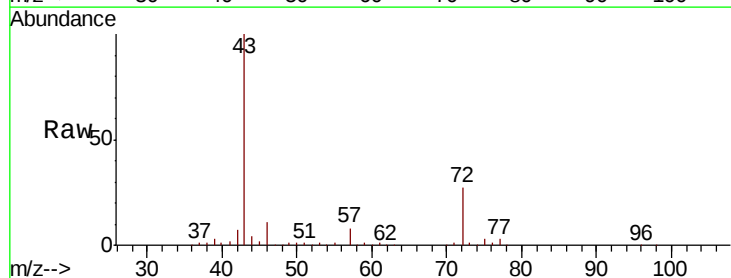
Instrument :
 MSVOA_U
 ClientSampled :

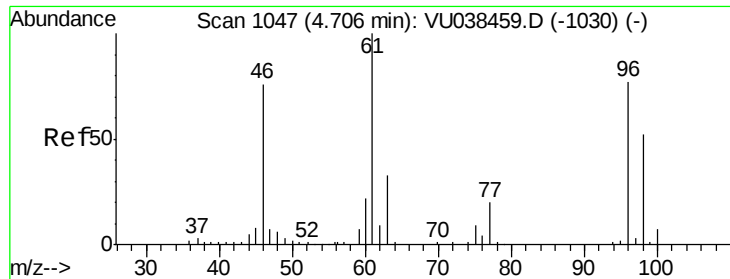
Tot Ion: 63 Resp: 185203
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.3 41.5
 83 12.9 10.4 19.4



#21
 2-Butanone
 Concen: 50.814 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VU038482.D
 Acq: 01 Jun 2020 19:32

Tgt Ion: 43 Resp: 351111
 Ion Ratio Lower Upper
 43 100
 72 27.0 12.6 37.8





#22

cis-1,2-Dichloroethene

Concen: 4.830 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

Instrument :
MSVOA_U
ClientSampleId :

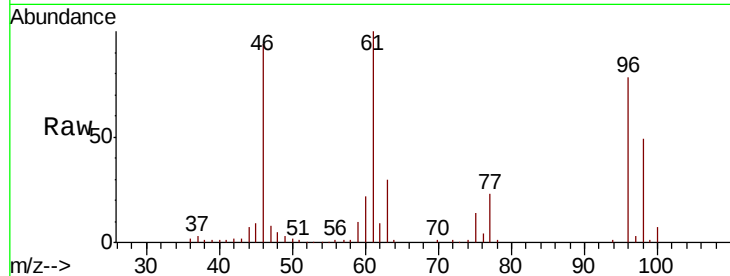
Tot Ion: 96 Resp: 110211

Ion Ratio Lower Upper

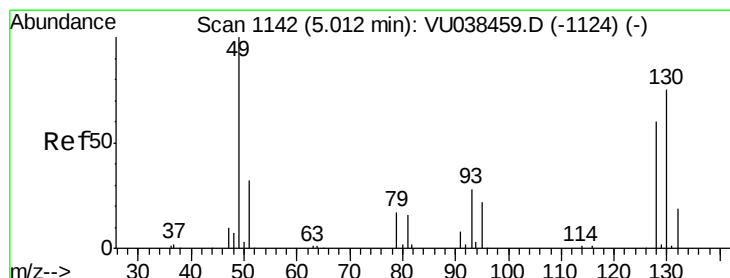
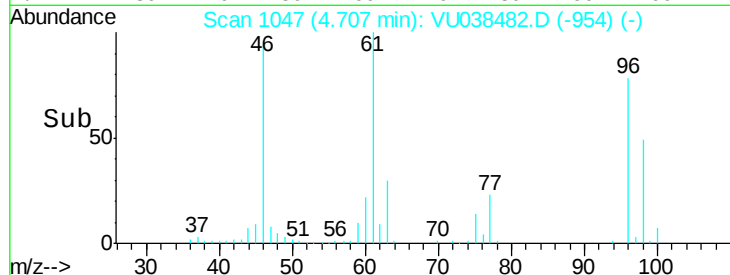
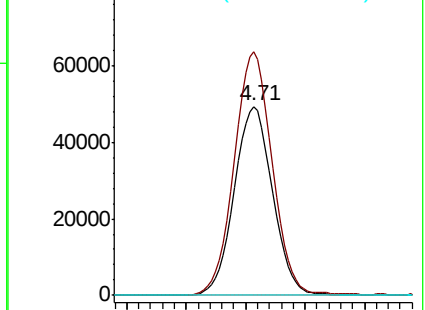
96 100

61 128.9 94.0 174.6

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: 4.697 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

Tgt Ion: 128 Resp: 48229

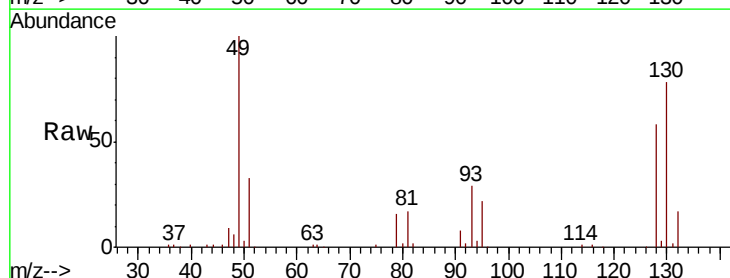
Ion Ratio Lower Upper

128 100

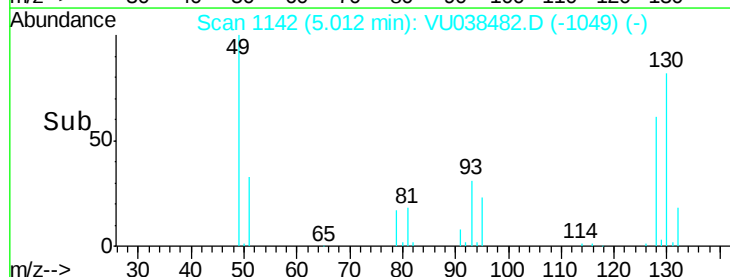
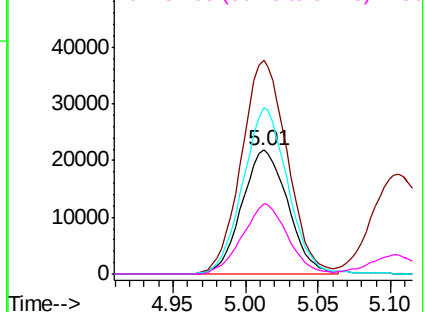
49 172.4 111.9 207.7

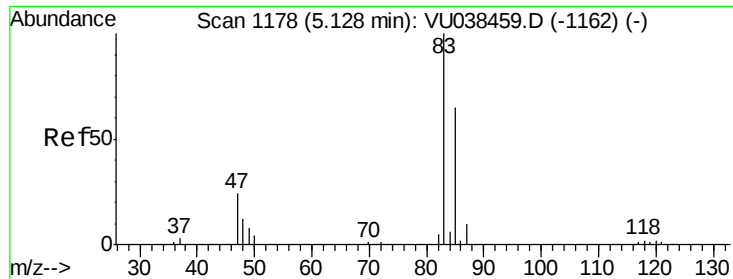
130 134.5 86.5 160.7

51 56.4 41.7 62.5



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

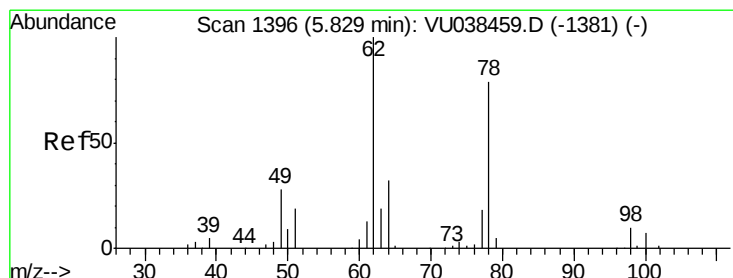
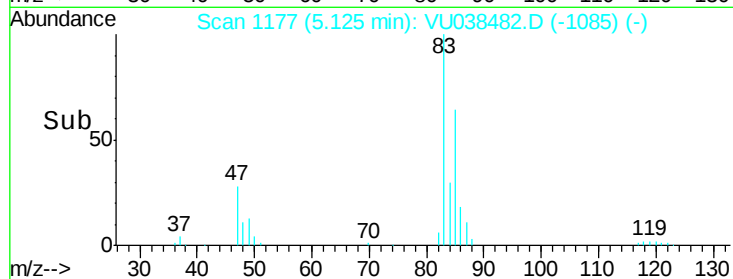
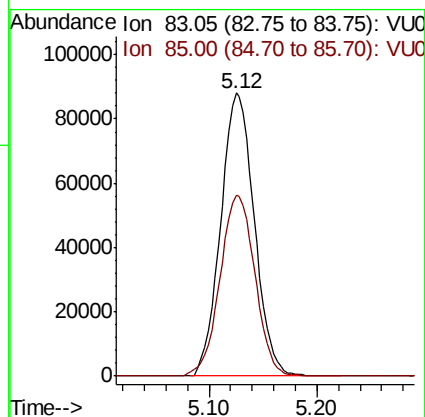
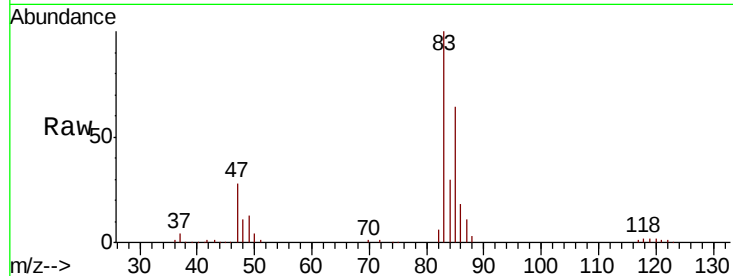




#25
Chloroform
Concen: 4.955 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038482.D
Acq: 01 Jun 2020 19:32

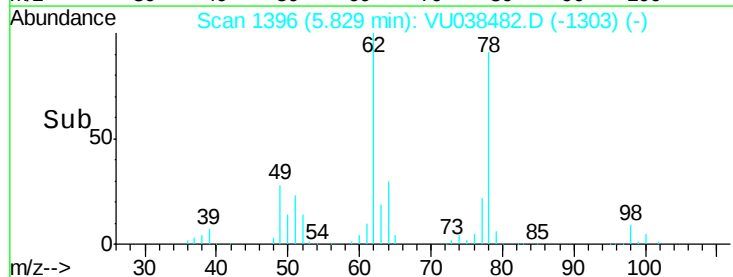
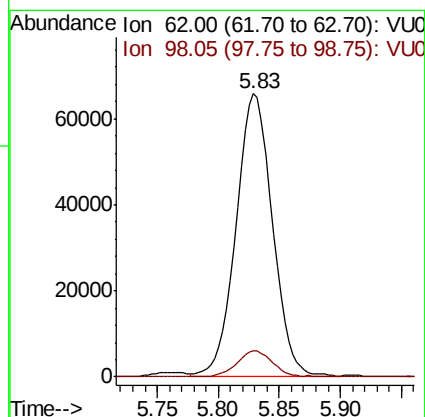
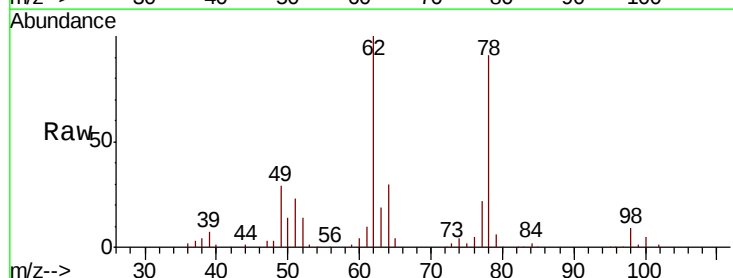
Instrument :
MSVOA_U
ClientSampled :

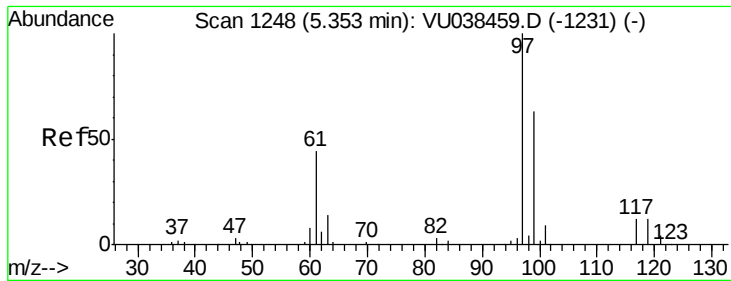
Tot Ion: 83 Resp: 190887
Ion Ratio Lower Upper
83 100
85 64.0 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.988 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038482.D
Acq: 01 Jun 2020 19:32

Tgt Ion: 62 Resp: 135277
Ion Ratio Lower Upper
62 100
98 9.4 7.4 11.2

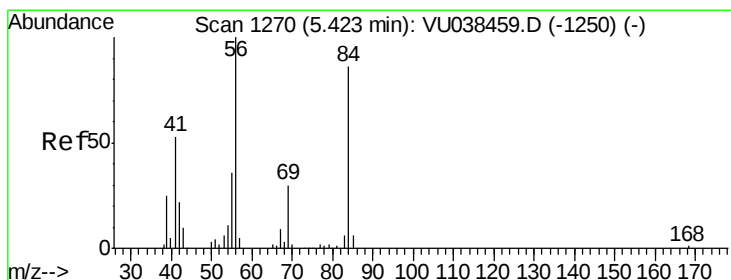
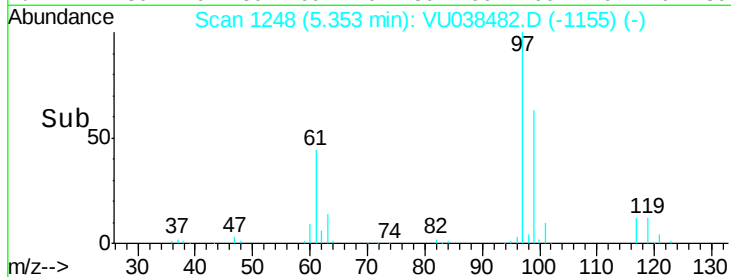
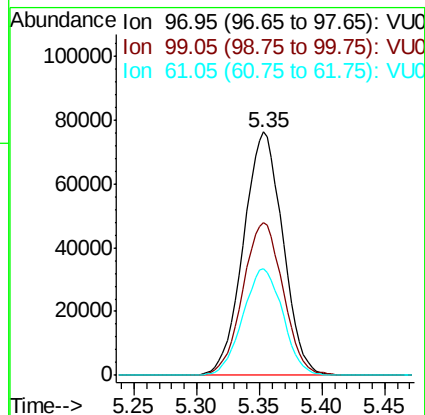
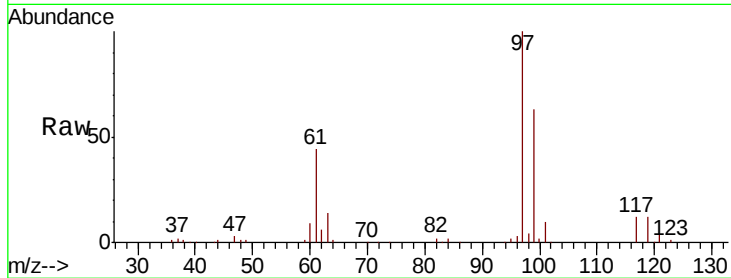




#29
1,1,1-Trichloroethane
Concen: 4.969 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038482.D
Acq: 01 Jun 2020 19:32

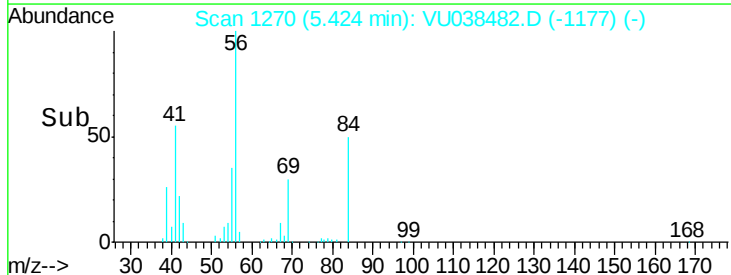
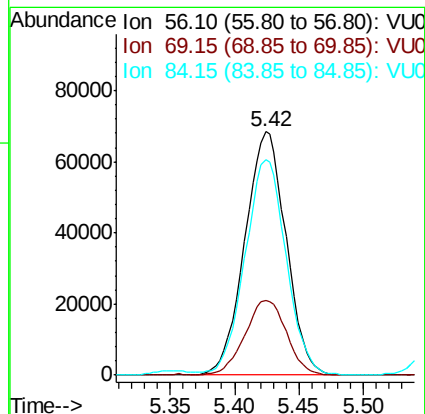
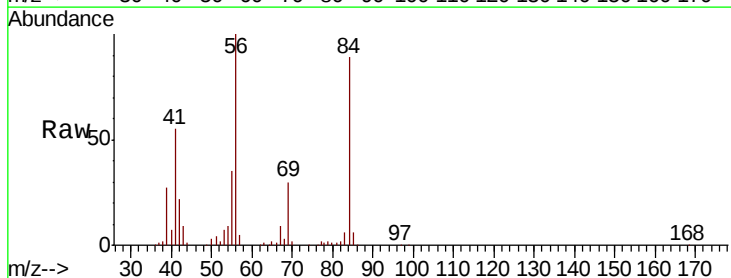
Instrument :
MSVOA_U
ClientSampleId :

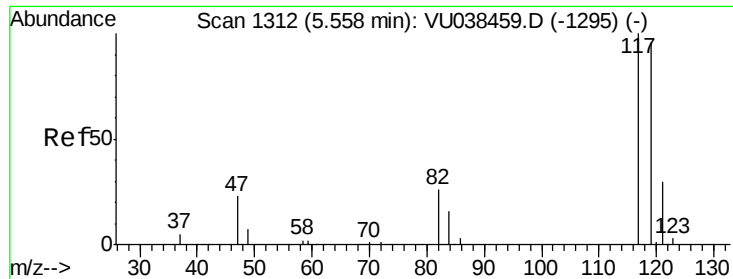
Tot Ion: 97 Resp: 166667
Ion Ratio Lower Upper
97 100
99 64.3 52.2 78.2
61 44.6 35.4 53.2



#30
Cyclohexane
Concen: 4.331 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038482.D
Acq: 01 Jun 2020 19:32

Tgt Ion: 56 Resp: 152345
Ion Ratio Lower Upper
56 100
69 30.9 24.2 36.4
84 88.3 70.8 106.2





#31

Carbon tetrachloride

Concen: 4.903 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

Instrument :

MSVOA_U

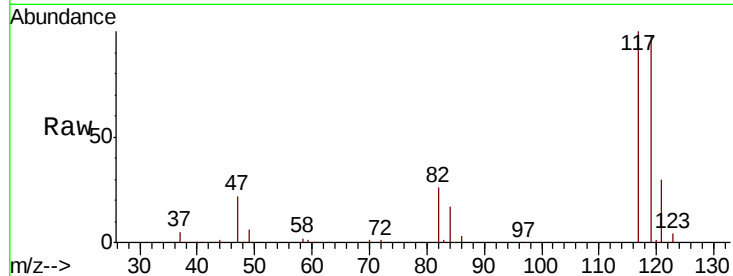
ClientSampleId :

Tot Ion:117 Resp: 136923

Ion Ratio Lower Upper

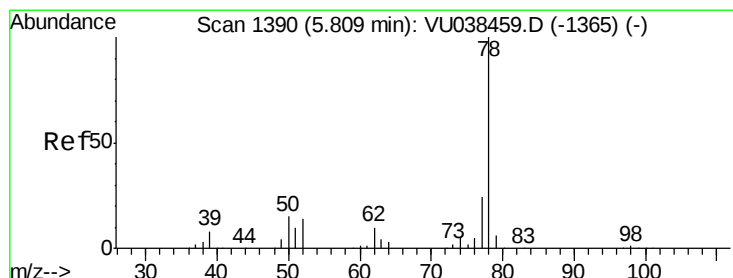
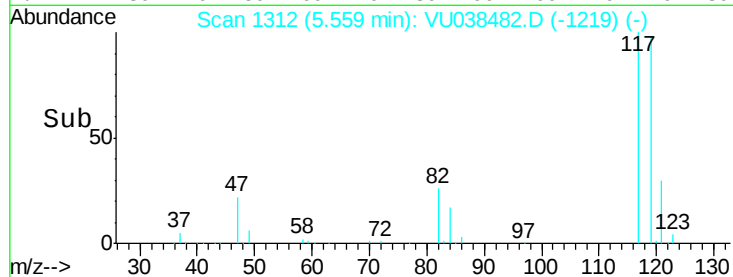
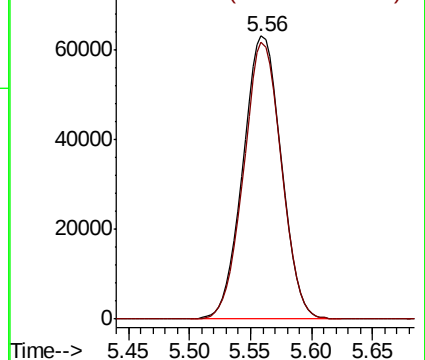
117 100

119 96.4 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.673 ug/L

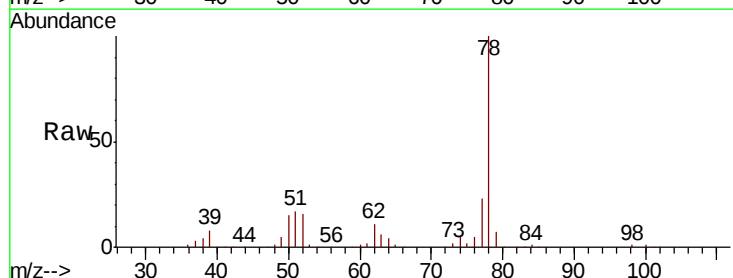
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

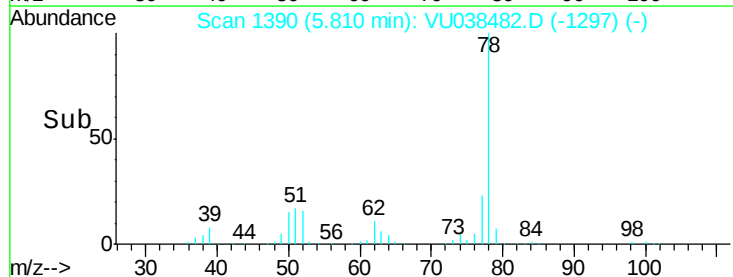
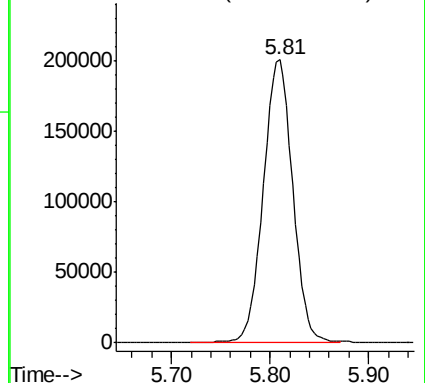
Lab File: VU038482.D

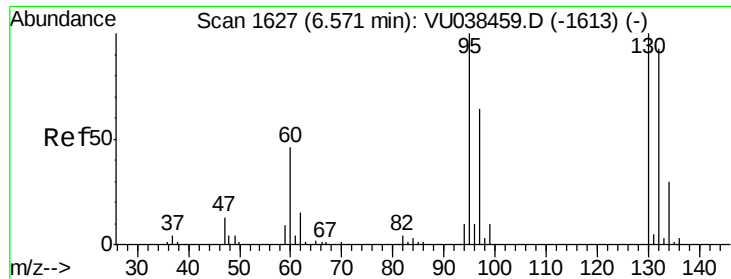
Acq: 01 Jun 2020 19:32

Tgt Ion: 78 Resp: 413137



Abundance Ion 78.10 (77.80 to 78.80): VU0

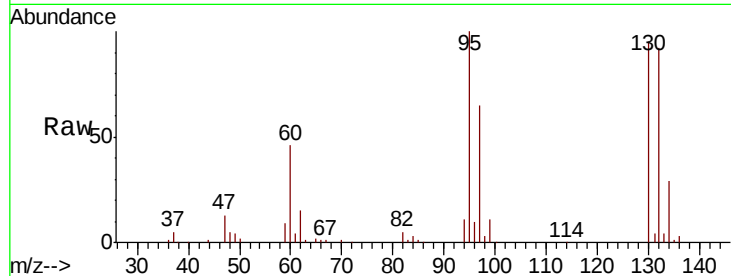




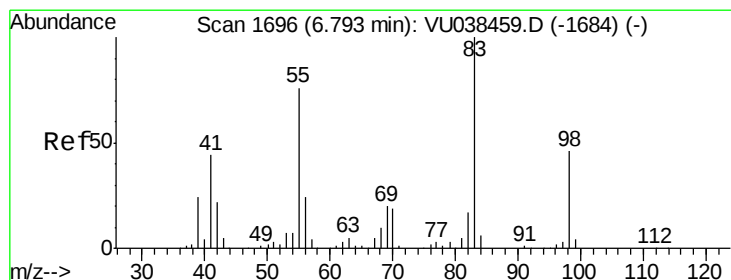
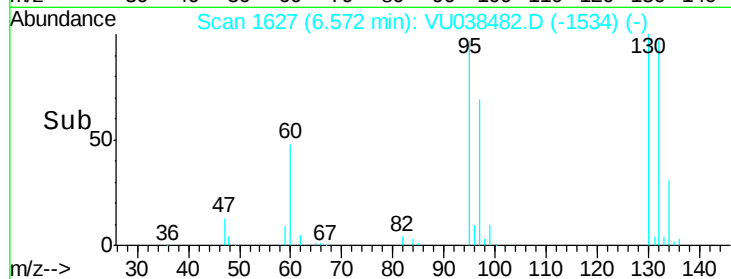
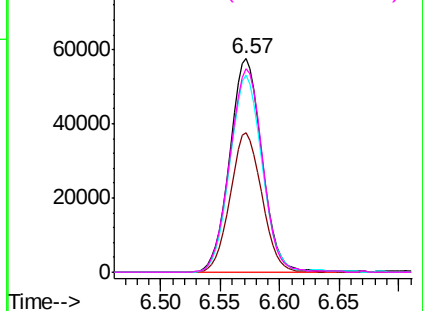
#34
 Trichloroethene
 Concen: 4.727 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038482.D
 Acq: 01 Jun 2020 19:32

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 108448
 Ion Ratio Lower Upper
 95 100
 97 65.4 46.8 87.0
 132 92.1 66.1 122.7
 130 95.0 70.0 130.0

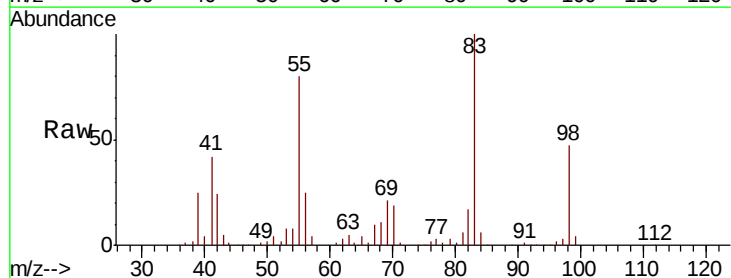


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

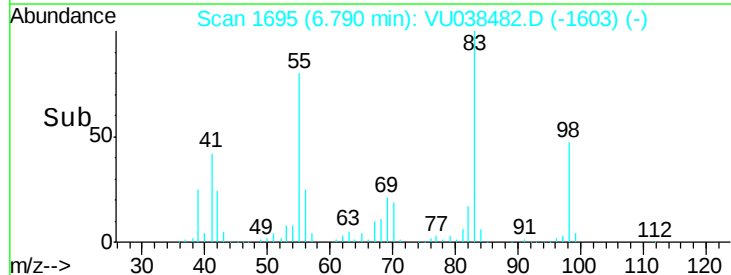
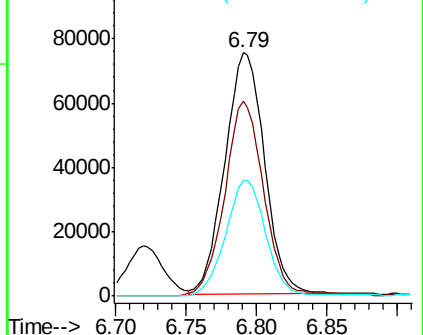


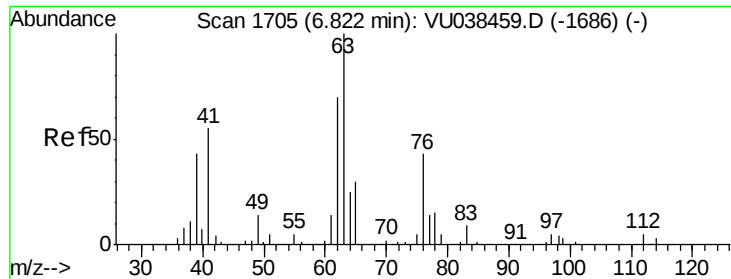
#35
 Methylcyclohexane
 Concen: 4.151 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038482.D
 Acq: 01 Jun 2020 19:32

Tgt Ion: 83 Resp: 147452
 Ion Ratio Lower Upper
 83 100
 55 80.1 63.4 95.2
 98 49.1 39.0 58.4



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

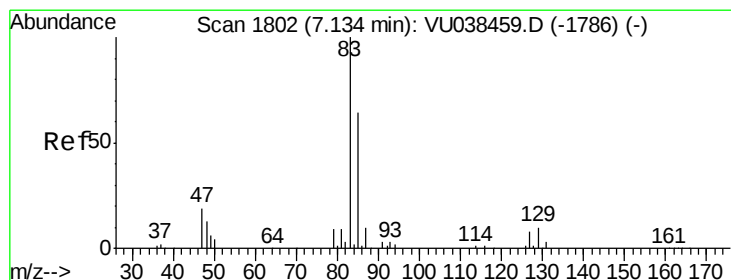
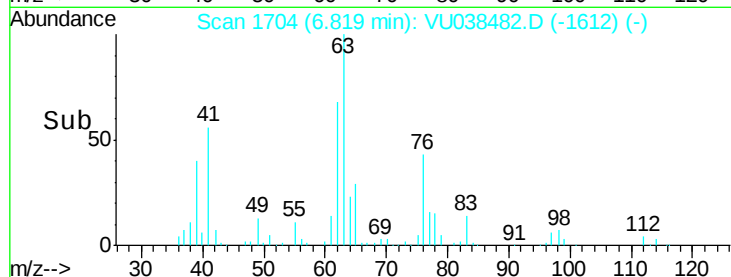
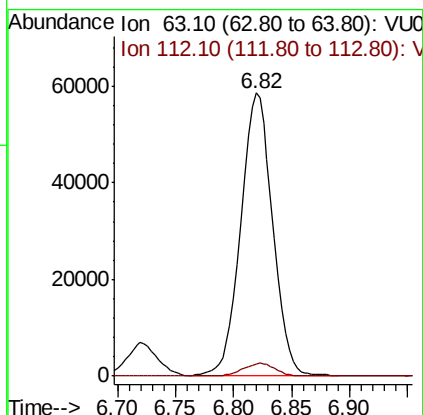
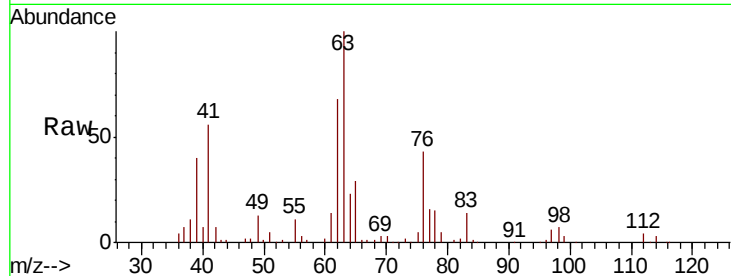




#37
 1,2-Dichloropropane
 Concen: 5.019 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038482.D
 Acq: 01 Jun 2020 19:32

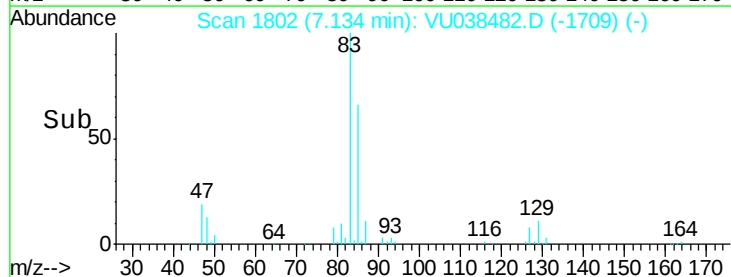
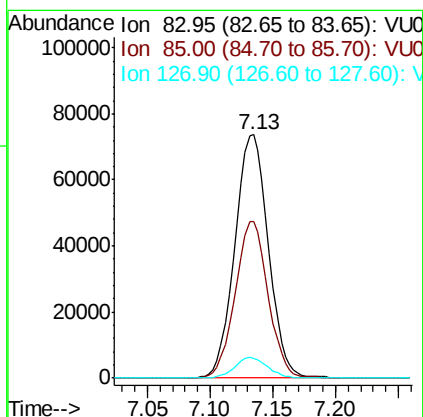
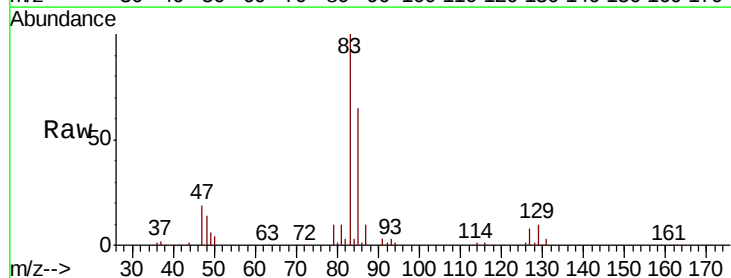
Instrument :
 MSVOA_U
 ClientSampleId :

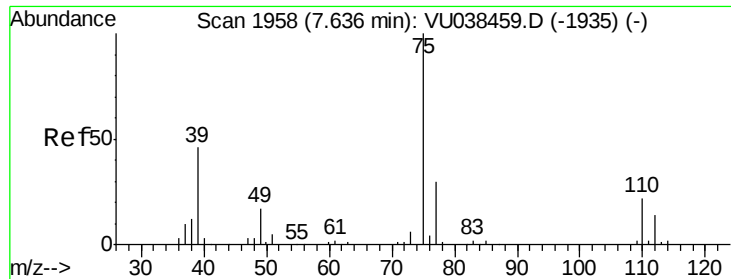
Tot Ion: 63 Resp: 111637
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.962 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038482.D
 Acq: 01 Jun 2020 19:32

Tgt Ion: 83 Resp: 137080
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.7 83.1
 127 8.0 6.8 10.2

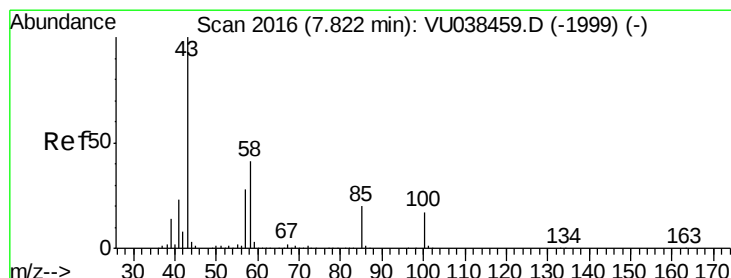
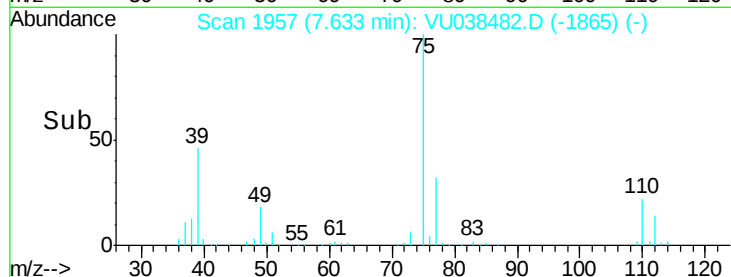
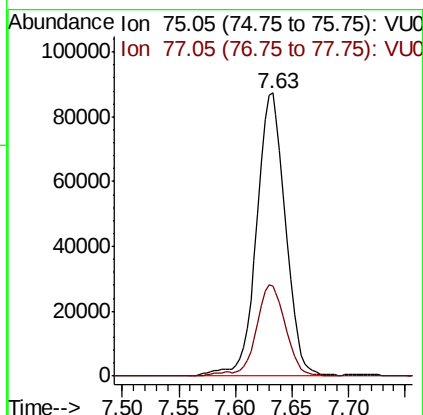
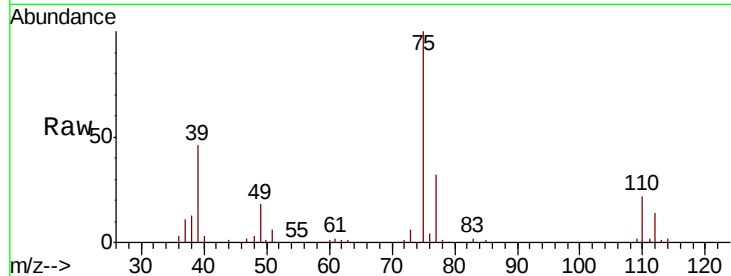




#39
 cis-1,3-Dichloropropene
 Concen: 4.713 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038482.D
 Acq: 01 Jun 2020 19:32

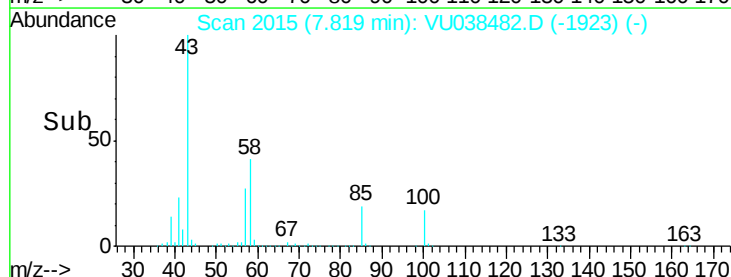
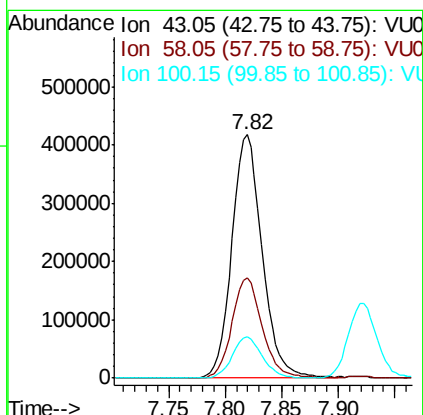
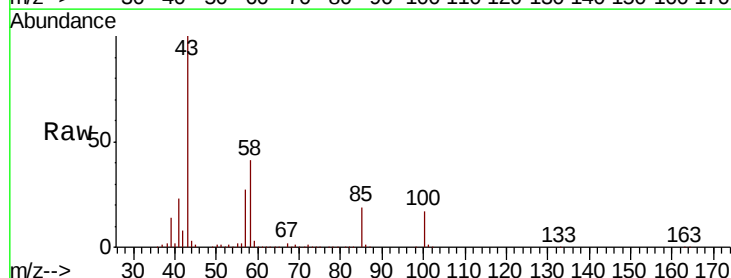
Instrument :
 MSVOA_U
 ClientSampleId :

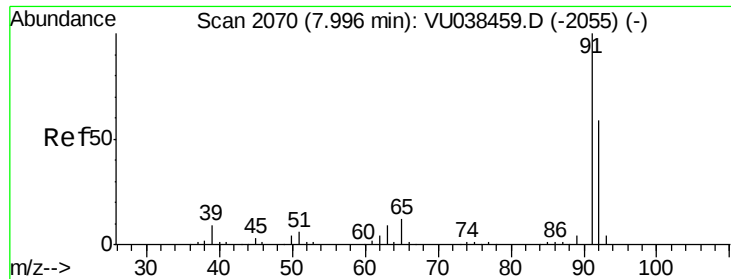
Tot Ion: 75 Resp: 154950
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 49.069 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038482.D
 Acq: 01 Jun 2020 19:32

Tgt Ion: 43 Resp: 780630
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.4 48.6
 100 16.8 13.3 19.9





#42

Toluene

Concen: 4.752 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

Instrument :

MSVOA_U

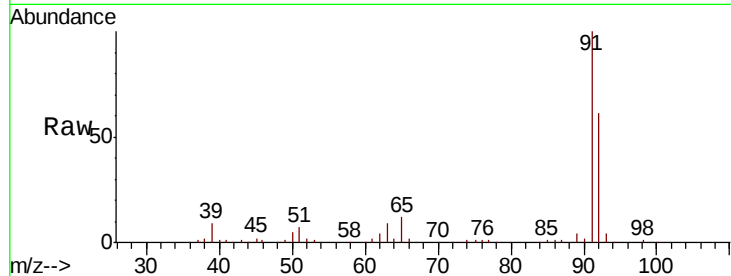
ClientSampled :

Tot Ion: 91 Resp: 440628

Ion Ratio Lower Upper

91 100

92 60.9 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038459.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU038459.D (-2055) (-)

7.99

250000

200000

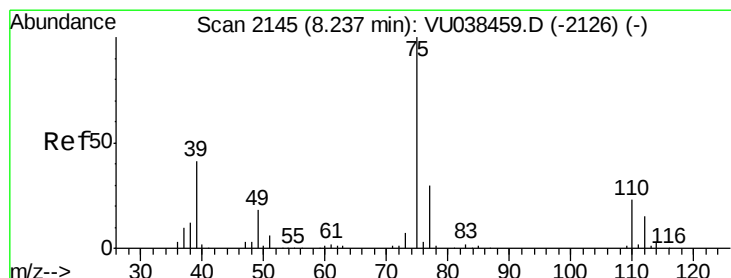
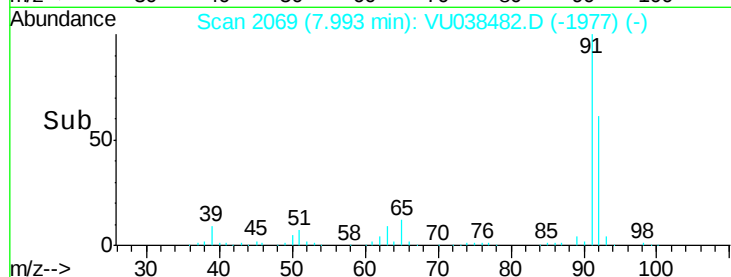
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.691 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.01 min

Lab File: VU038482.D

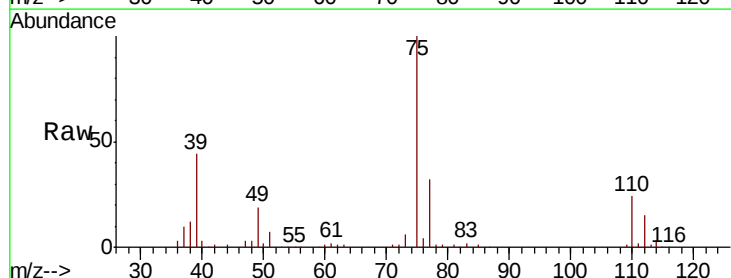
Acq: 01 Jun 2020 19:32

Tgt Ion: 75 Resp: 136203

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038459.D (-2126) (-)

Ion 77.05 (76.75 to 77.75): VU038459.D (-2126) (-)

8.23

80000

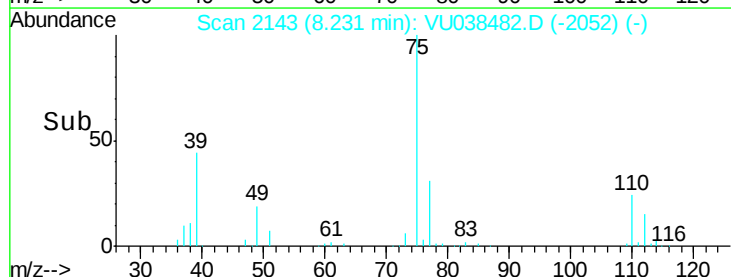
60000

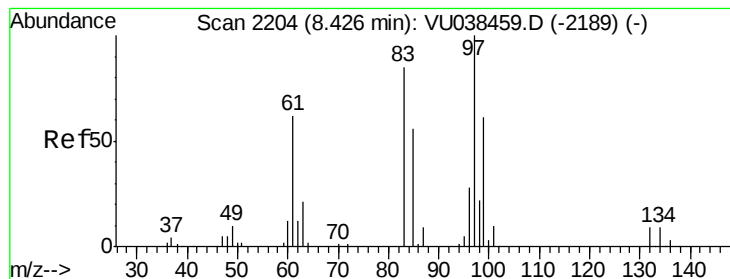
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.948 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 83040

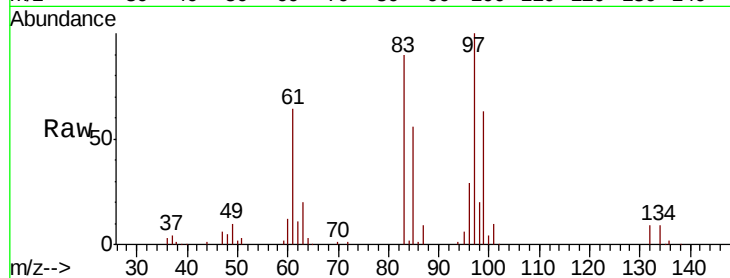
Ion Ratio Lower Upper

97 100

99 62.8 42.1 78.1

83 90.1 58.8 109.2

85 56.2 37.4 69.4

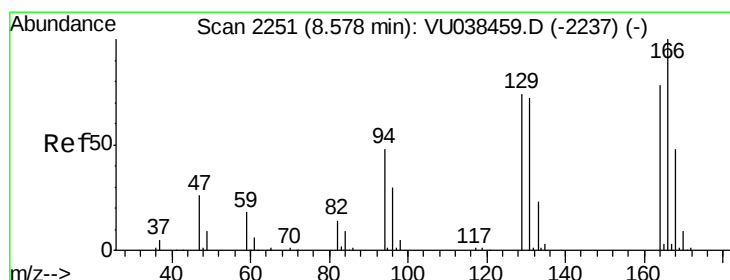
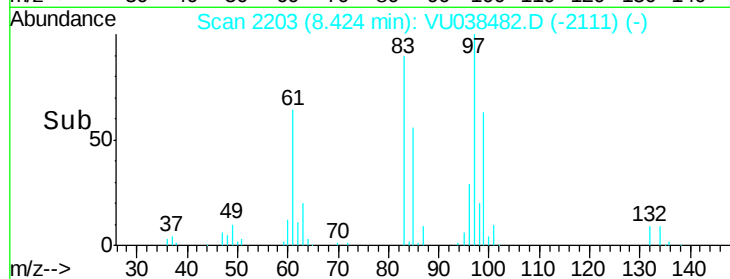
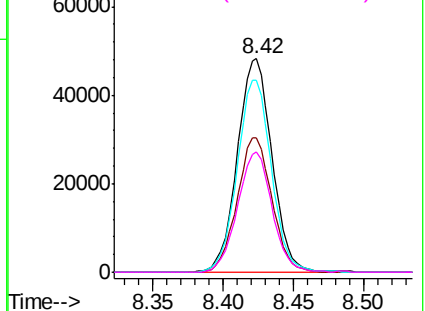


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.582 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.01 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

Tgt Ion:164 Resp: 76383

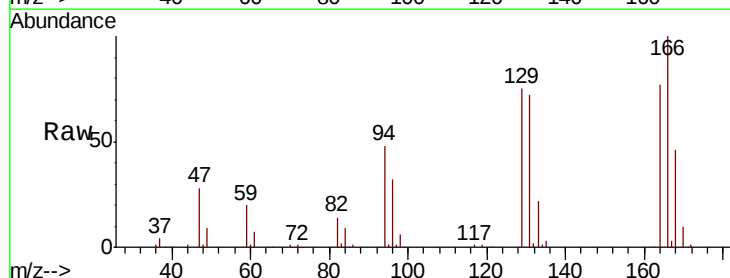
Ion Ratio Lower Upper

164 100

129 97.0 67.4 125.2

131 92.8 64.1 119.1

166 129.4 85.7 159.1

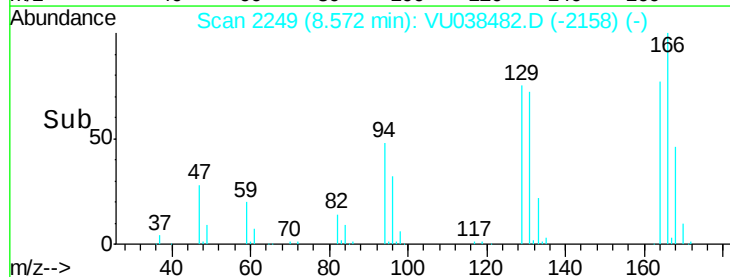
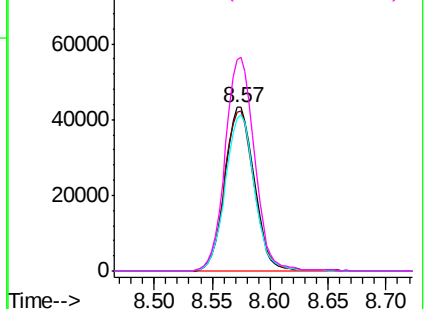


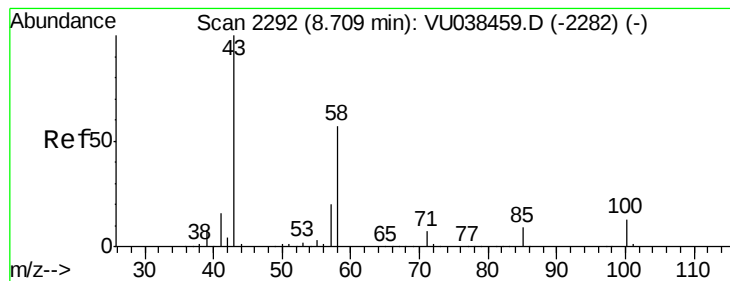
Abundance Ion 163.90 (163.60 to 164.60): V

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: 49.452 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 595794

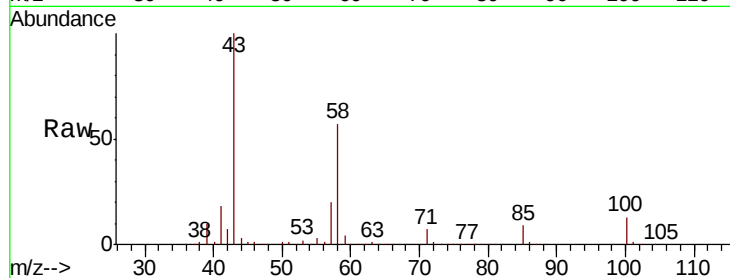
Ion Ratio Lower Upper

43 100

58 56.6 45.4 68.0

57 20.4 15.9 23.9

100 13.3 10.5 15.7

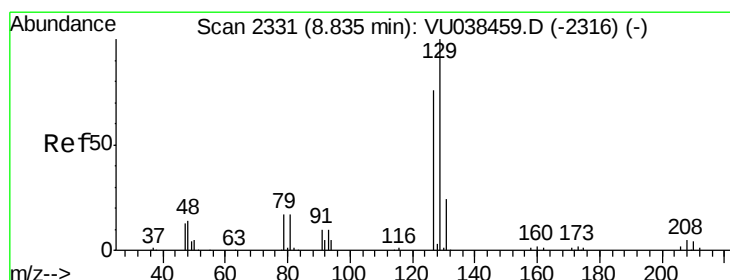
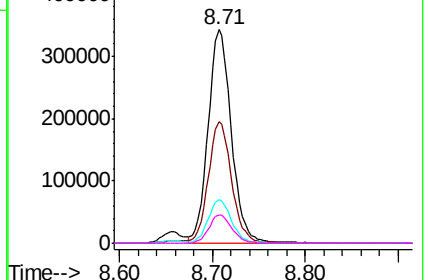
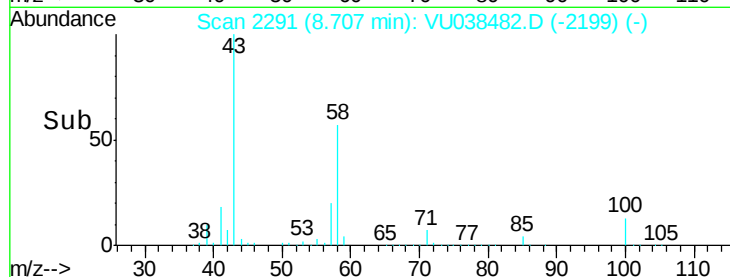


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 5.061 ug/L

RT: 8.83 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU038482.D

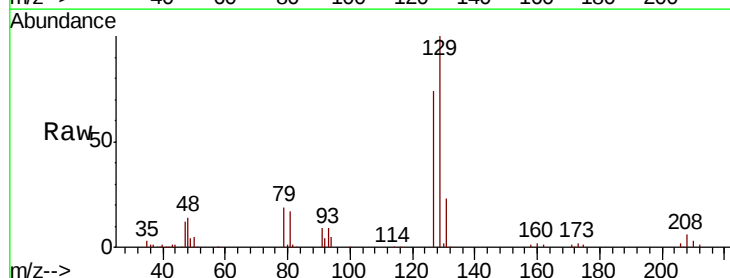
Acq: 01 Jun 2020 19:32

Tgt Ion: 129 Resp: 91680

Ion Ratio Lower Upper

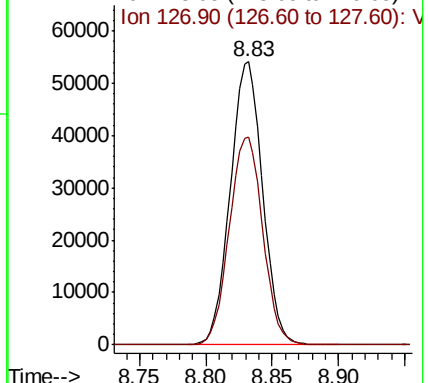
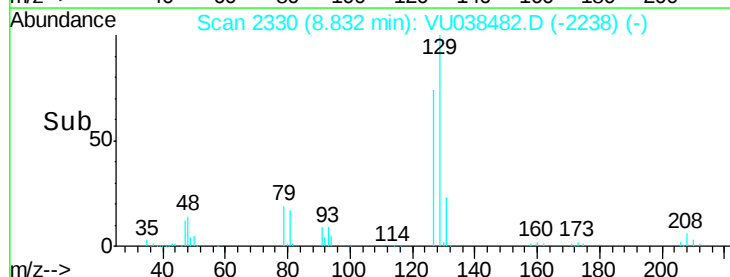
129 100

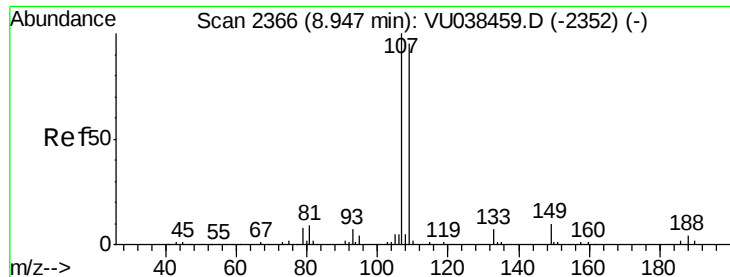
127 73.7 53.3 99.1



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

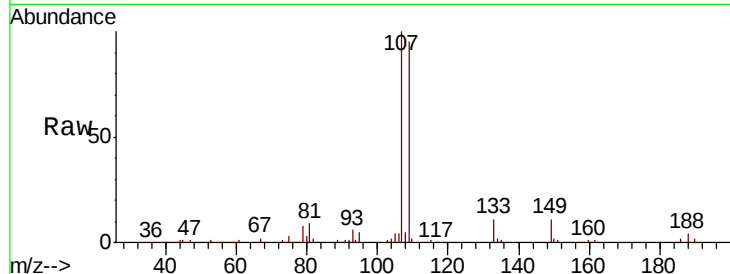




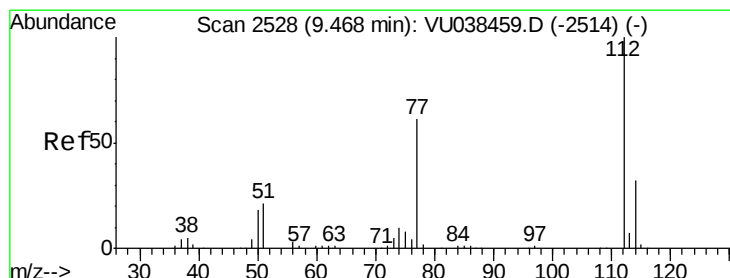
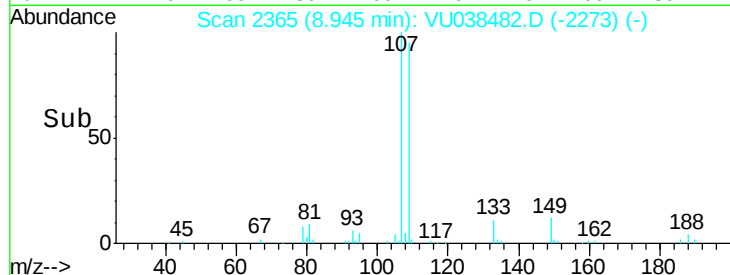
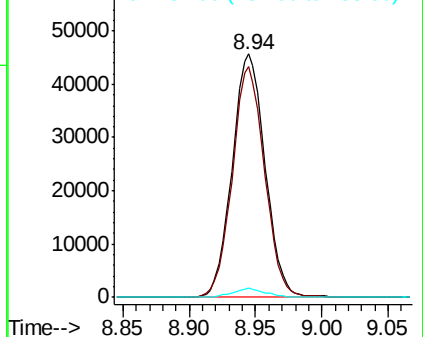
#50
1,2-Dibromoethane
Concen: 4.889 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038482.D
Acq: 01 Jun 2020 19:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 78562
Ion Ratio Lower Upper
107 100
109 94.6 67.0 124.4
188 3.6 3.0 4.4

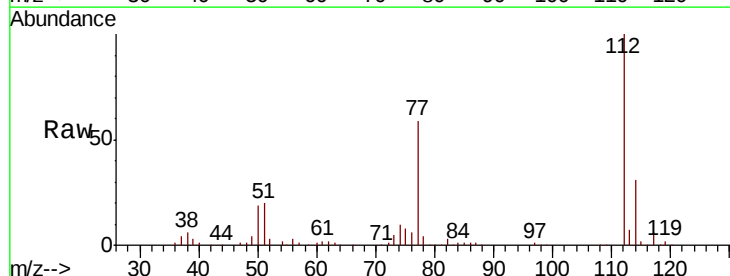


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

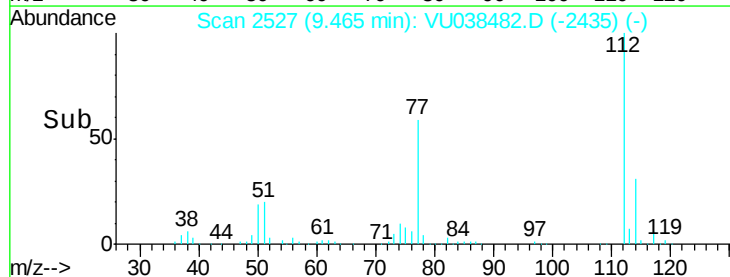
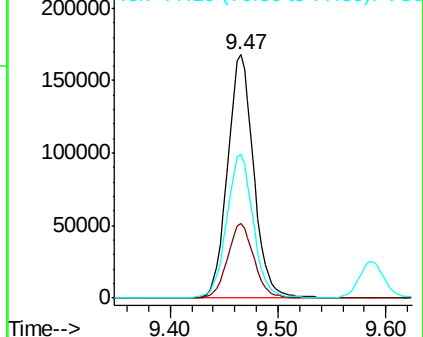


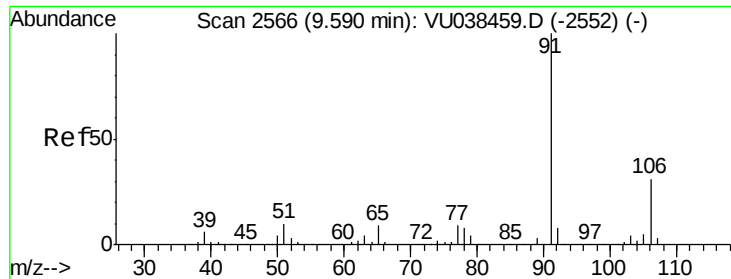
#51
Chlorobenzene
Concen: 4.747 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038482.D
Acq: 01 Jun 2020 19:32

Tgt Ion:112 Resp: 283858
Ion Ratio Lower Upper
112 100
114 30.7 22.4 41.6
77 59.1 47.1 70.7



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: 4.680 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

Instrument :

MSVOA_U

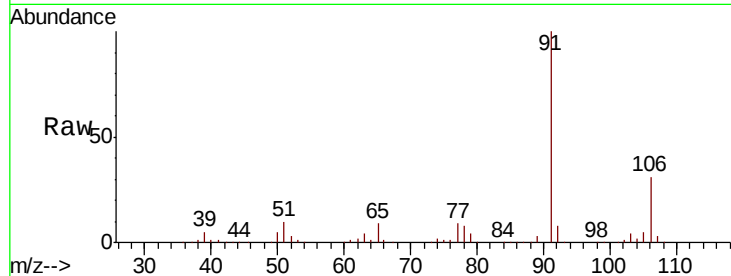
ClientSampleId :

Tot Ion: 91 Resp: 482748

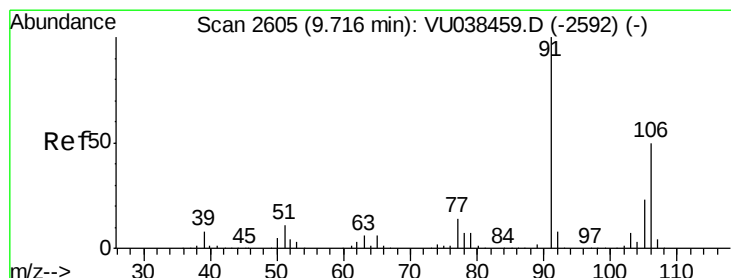
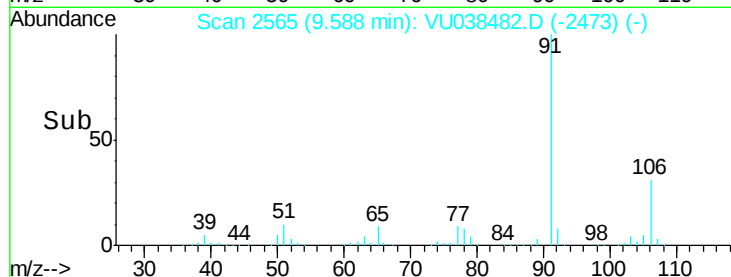
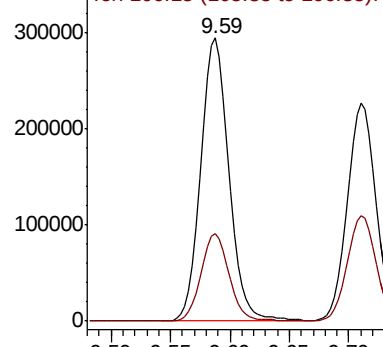
Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038459.D (-2552) (-)



#53

m,p-Xylene

Concen: 4.704 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.01 min

Lab File: VU038482.D

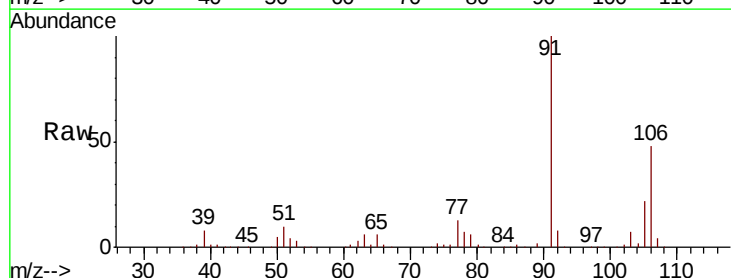
Acq: 01 Jun 2020 19:32

Tgt Ion: 106 Resp: 186614

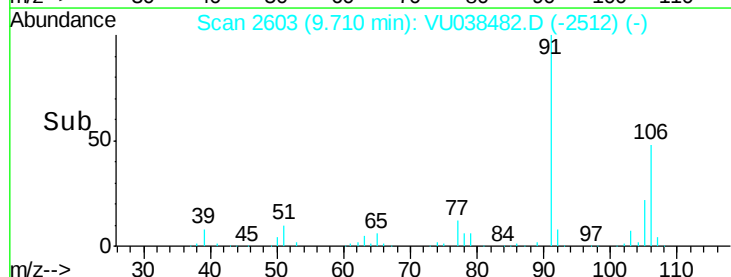
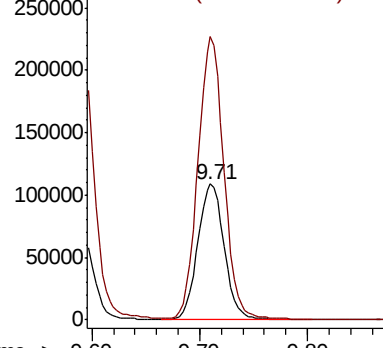
Ion Ratio Lower Upper

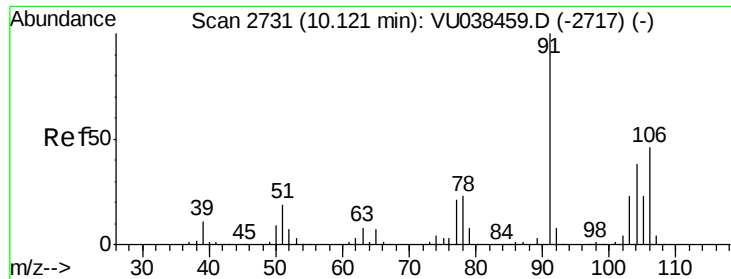
106 100

91 207.9 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038459.D (-2592) (-)

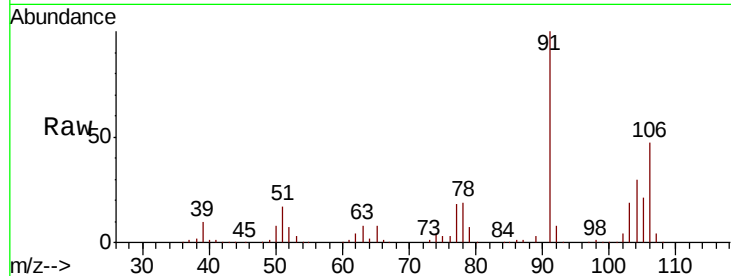




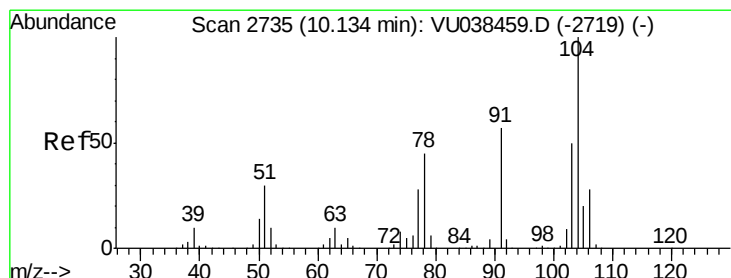
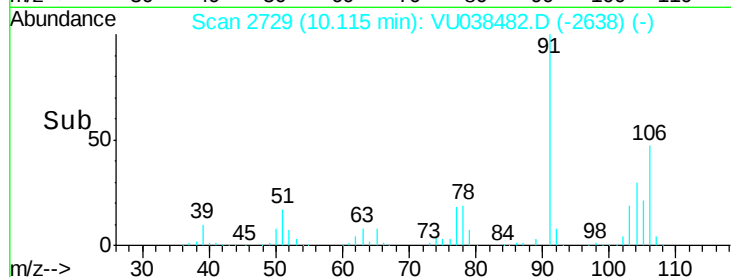
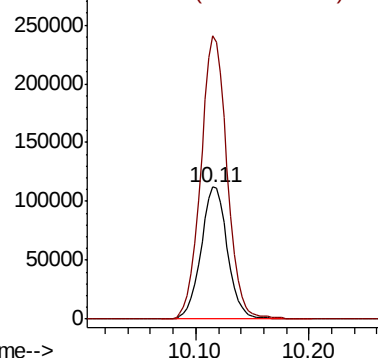
#54
o-Xylene
Concen: 4.811 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.01 min
Lab File: VU038482.D
Acq: 01 Jun 2020 19:32

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 183227
Ion Ratio Lower Upper
106 100
91 214.1 150.6 279.8

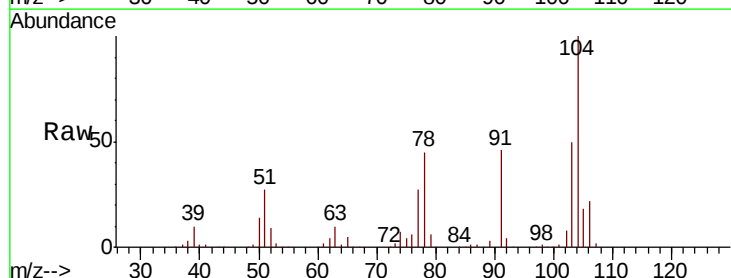


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

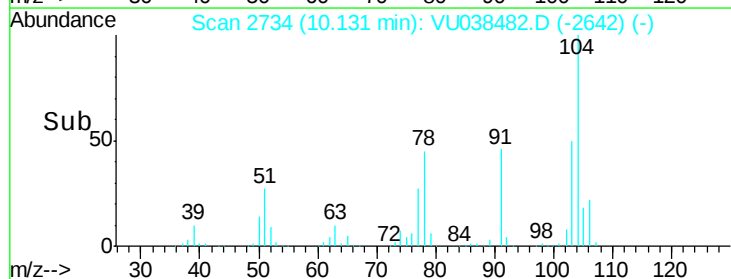
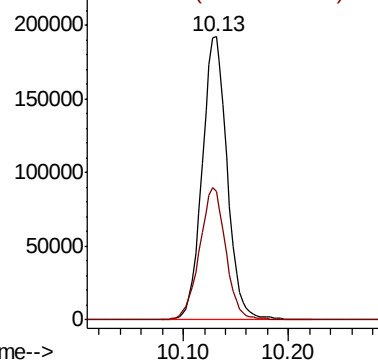


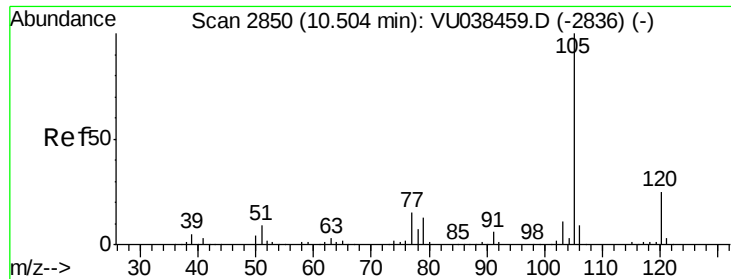
#55
Styrene
Concen: 4.871 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038482.D
Acq: 01 Jun 2020 19:32

Tgt Ion:104 Resp: 314929
Ion Ratio Lower Upper
104 100
78 45.2 31.9 59.3



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





#56

Isopropylbenzene

Concen: 4.738 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.01 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

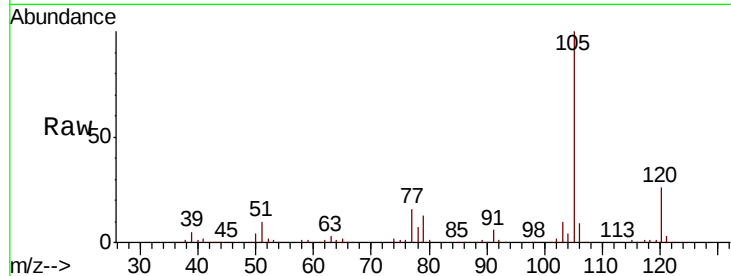
Tot Ion:105 Resp: 474994

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

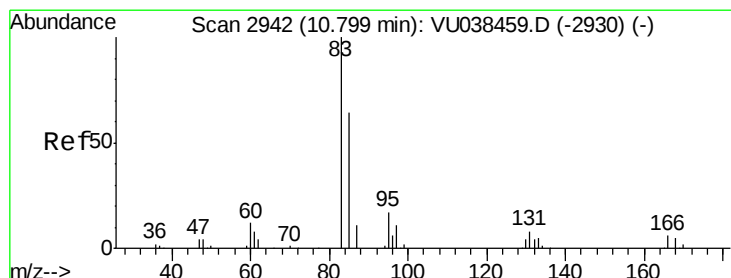
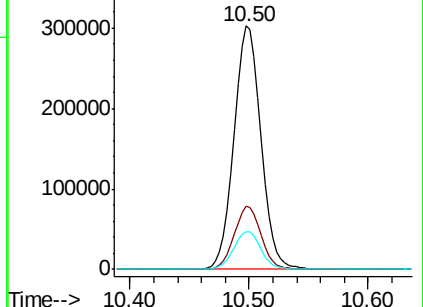
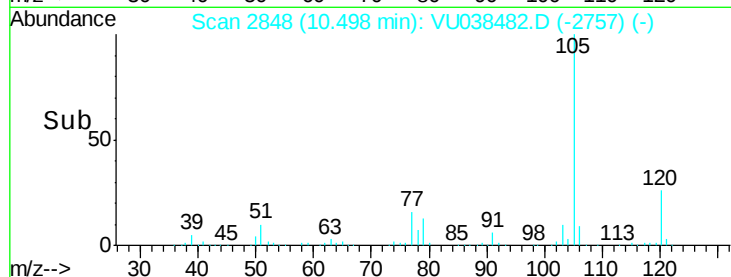
77 15.8 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.906 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

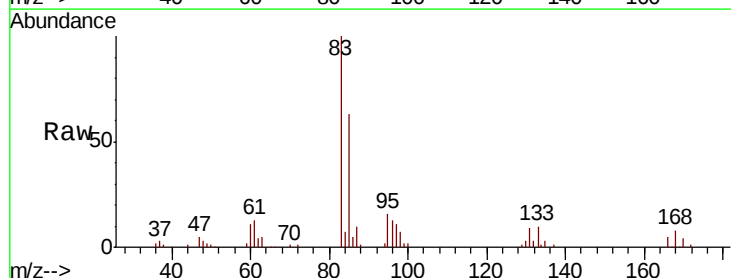
Tgt Ion: 83 Resp: 104641

Ion Ratio Lower Upper

83 100

85 63.3 44.2 82.0

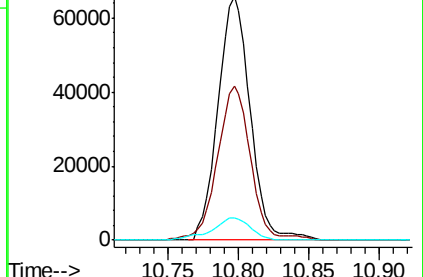
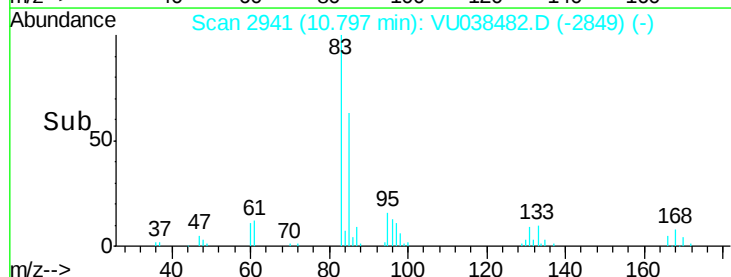
131 9.0 8.1 12.1

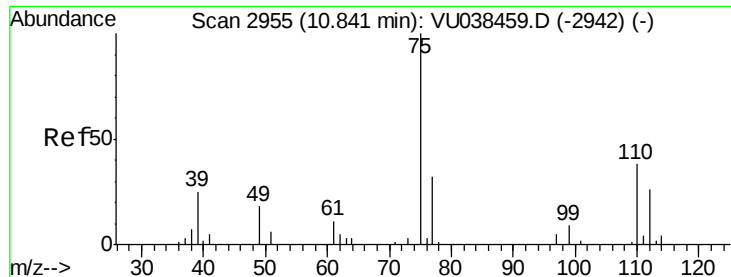


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

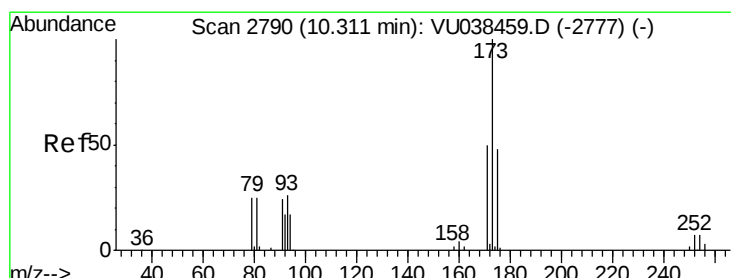
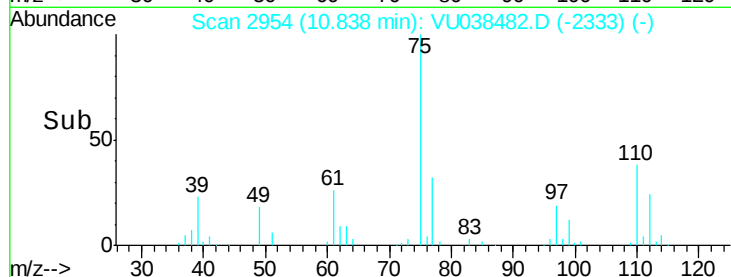
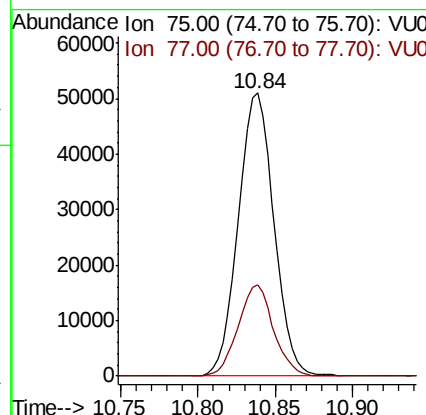
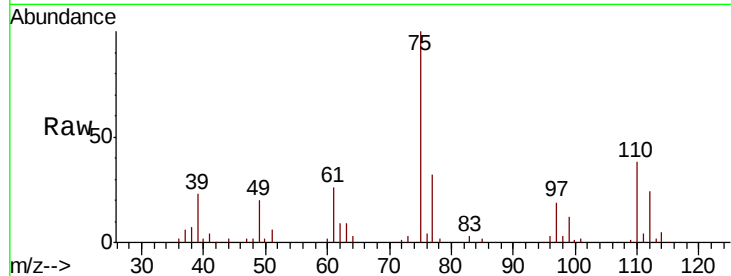




#59
 1,2,3-Trichloropropane
 Concen: 4.925 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038482.D
 Acq: 01 Jun 2020 19:32

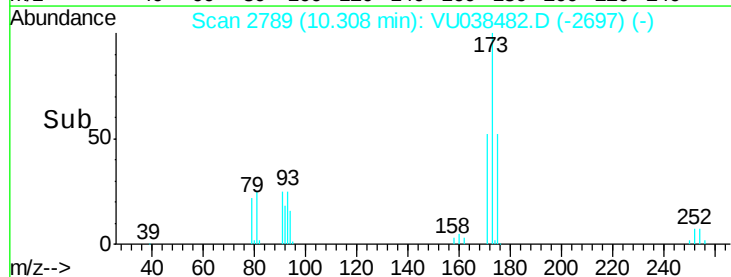
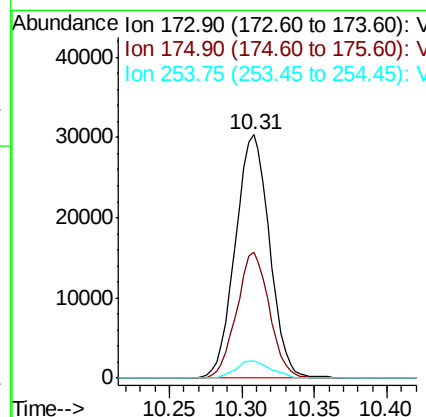
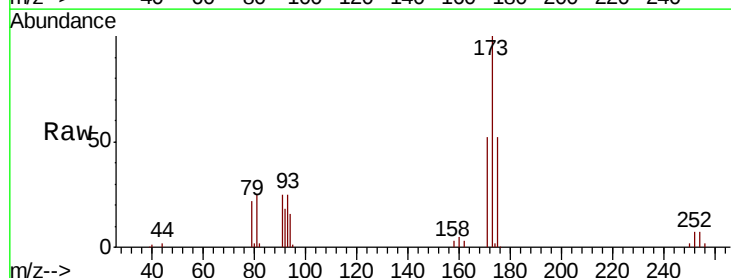
Instrument :
 MSVOA_U
 ClientSampleID :

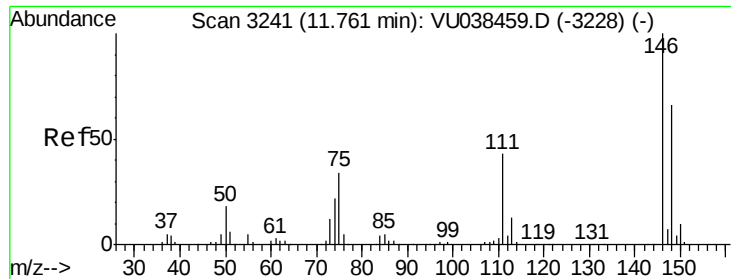
Tot Ion: 75 Resp: 81775
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.2



#61
 Bromoform
 Concen: 4.986 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038482.D
 Acq: 01 Jun 2020 19:32

Tgt Ion: 173 Resp: 49663
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.7 58.1
 254 7.3 5.4 8.2

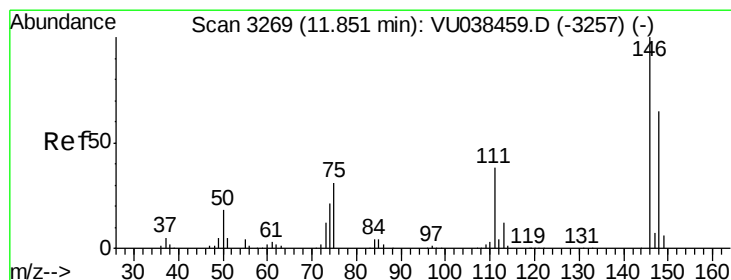
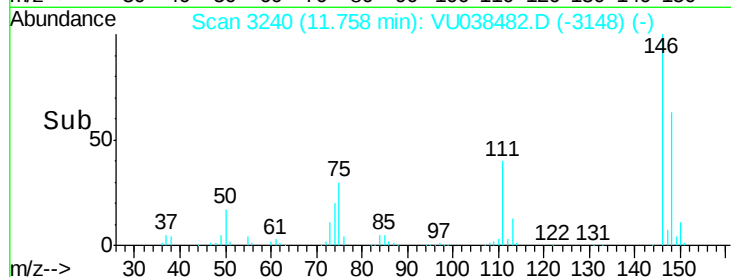
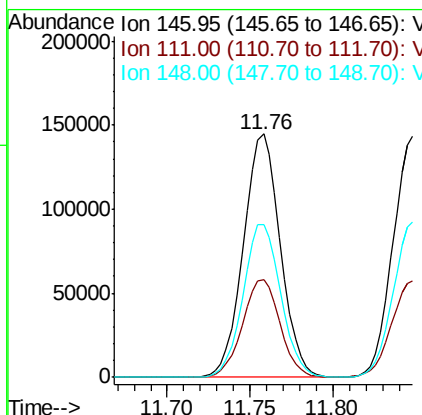
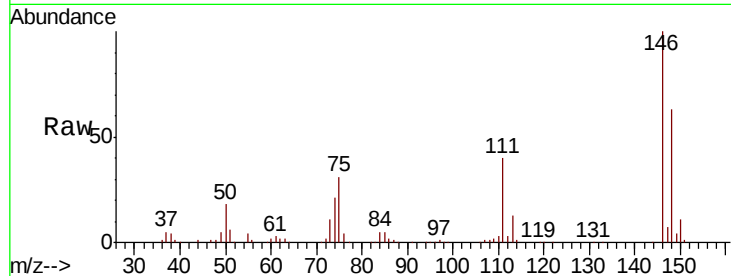




#62
 1,3-Dichlorobenzene
 Concen: 4.765 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038482.D
 Acq: 01 Jun 2020 19:32

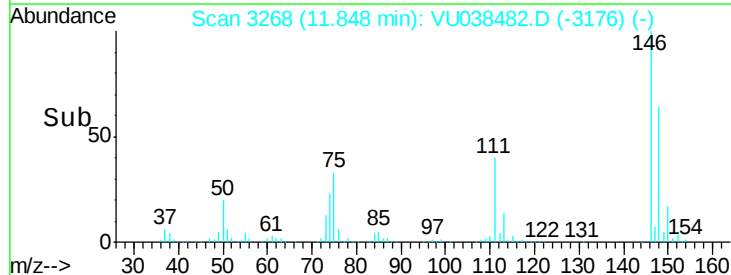
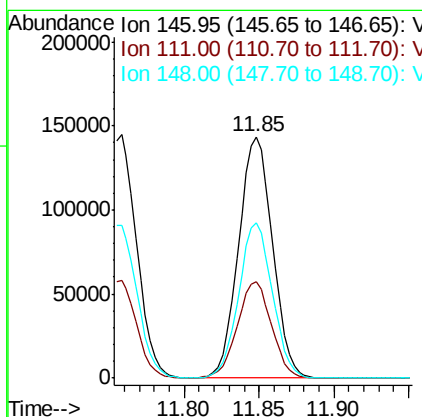
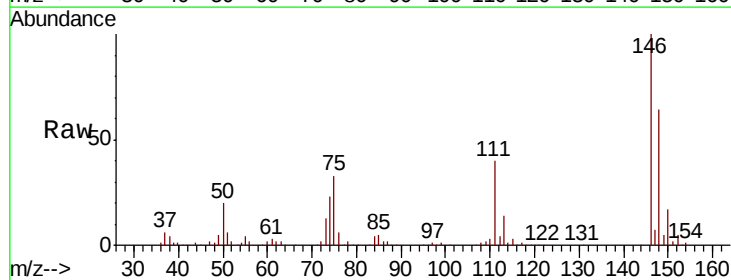
Instrument :
 MSVOA_U
 ClientSampleId :

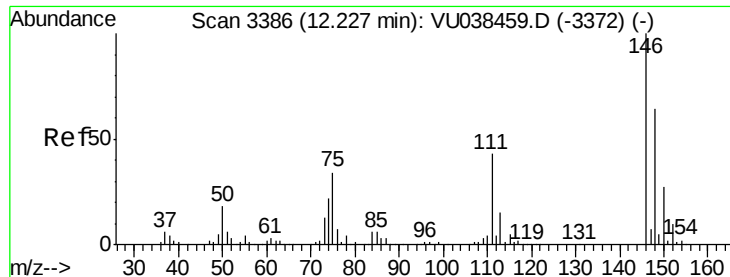
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	29.5	54.9
148	62.9	45.6	84.6



#63
 1,4-Dichlorobenzene
 Concen: 4.754 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038482.D
 Acq: 01 Jun 2020 19:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	27.6	51.2
148	64.2	44.8	83.2





#65

1,2-Dichlorobenzene

Concen: 4.823 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

Instrument :

MSVOA_U

ClientSampleId :

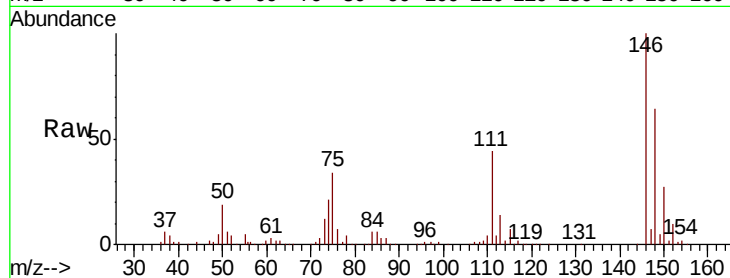
Tot Ion:146 Resp: 215137

Ion Ratio Lower Upper

146 100

111 43.7 35.1 52.7

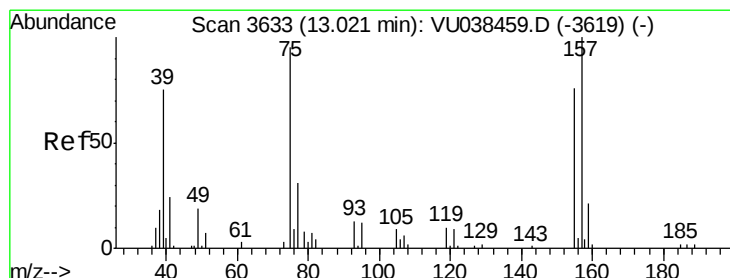
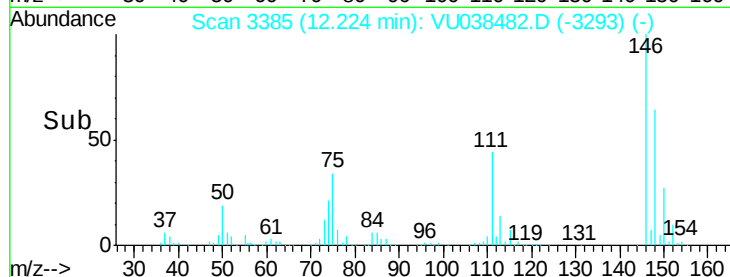
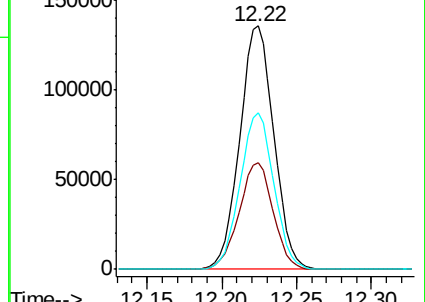
148 64.4 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.028 ug/L

RT: 13.02 min Scan# 3631

Delta R.T. -0.01 min

Lab File: VU038482.D

Acq: 01 Jun 2020 19:32

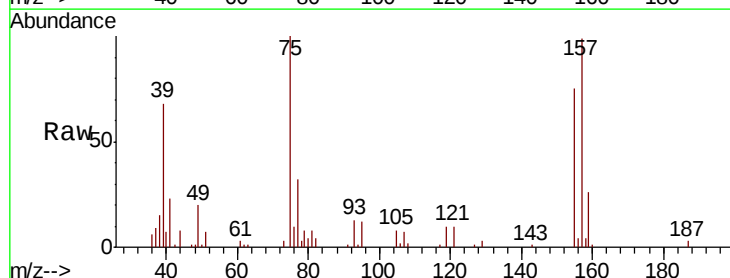
Tgt Ion: 75 Resp: 18162

Ion Ratio Lower Upper

75 100

155 75.4 59.6 89.4

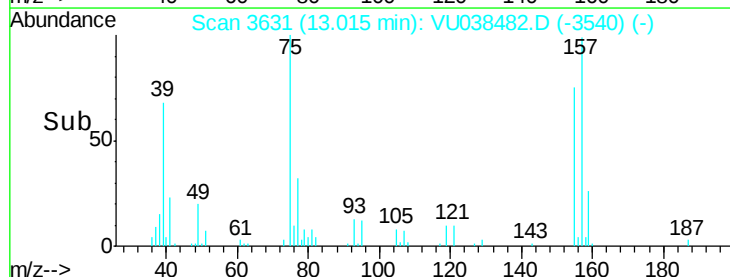
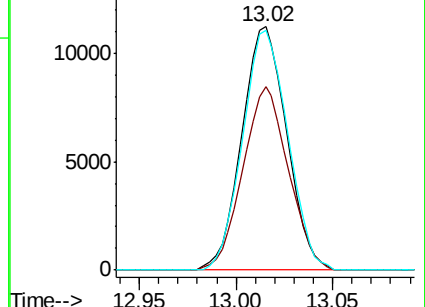
157 98.6 79.8 119.6

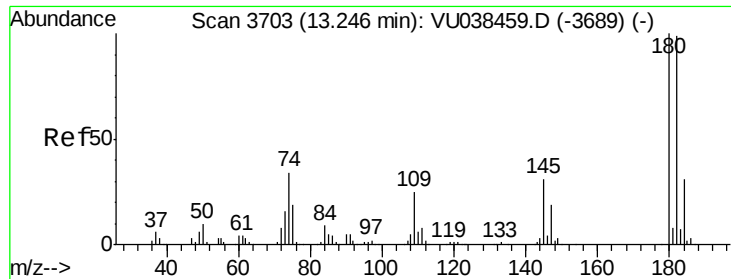


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

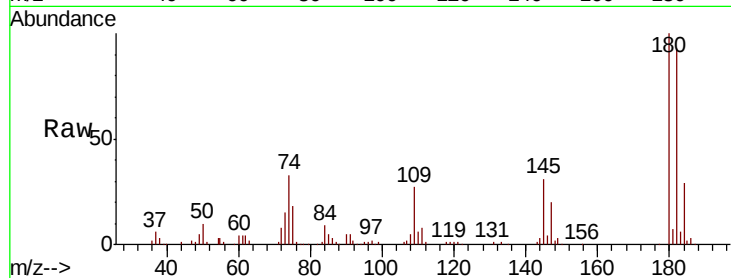




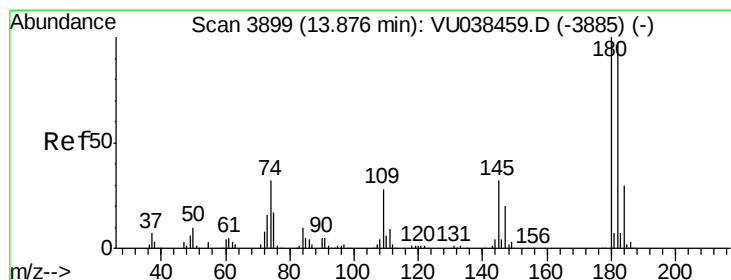
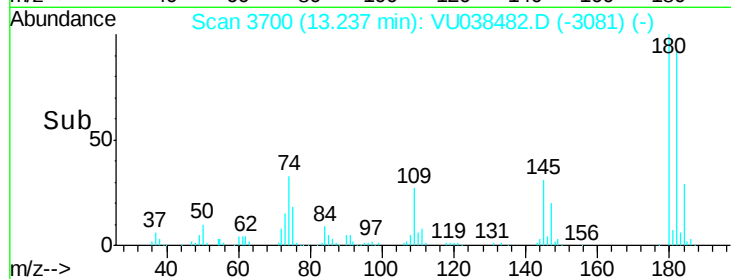
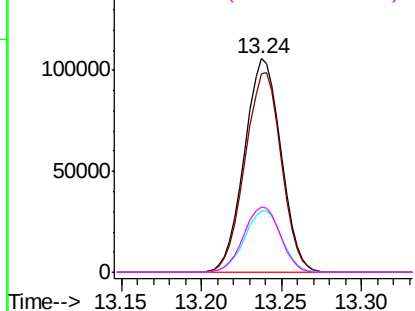
#67
 1,3,5-Trichlorobenzene
 Concen: 4.705 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU038482.D
 Acq: 01 Jun 2020 19:32

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	164913
Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.8	115.2
184	29.2	25.1	37.7
145	30.7	24.6	37.0

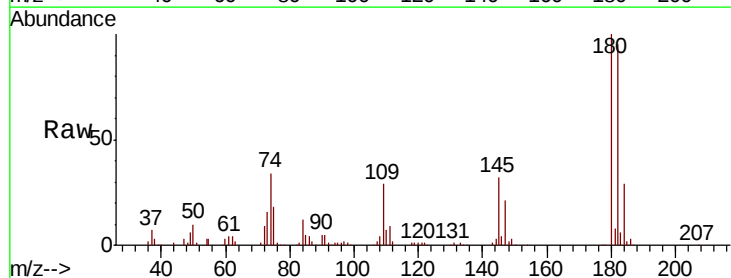


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

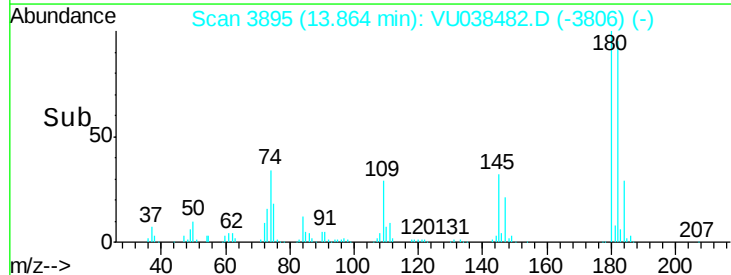
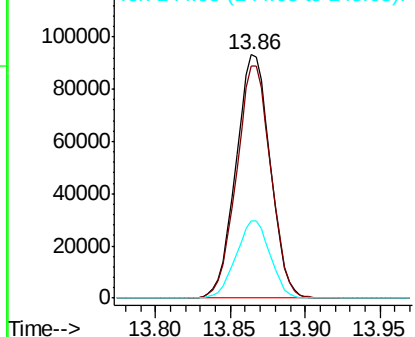


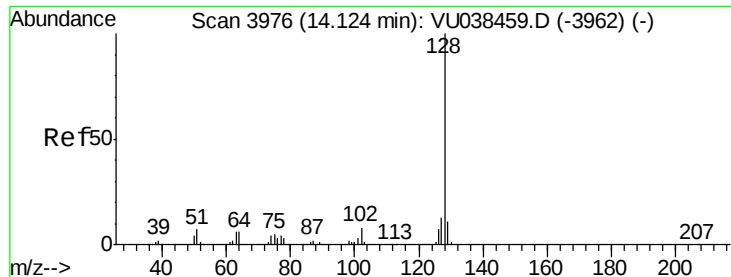
#68
 1,2,4-trichlorobenzene
 Concen: 4.582 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU038482.D
 Acq: 01 Jun 2020 19:32

Tgt Ion:	180	Resp:	148652
Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.8	113.8
145	31.5	25.3	37.9



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

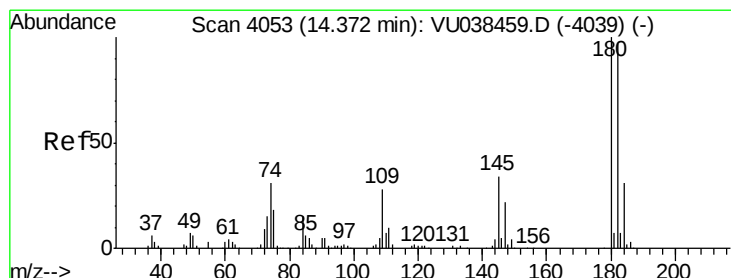
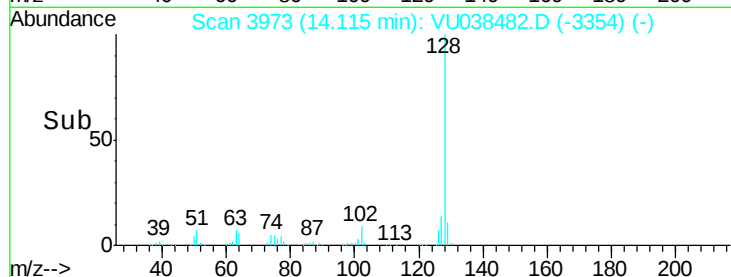
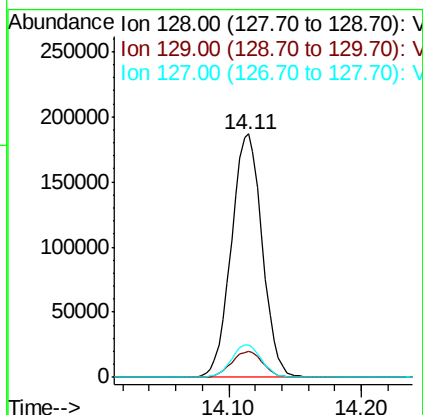
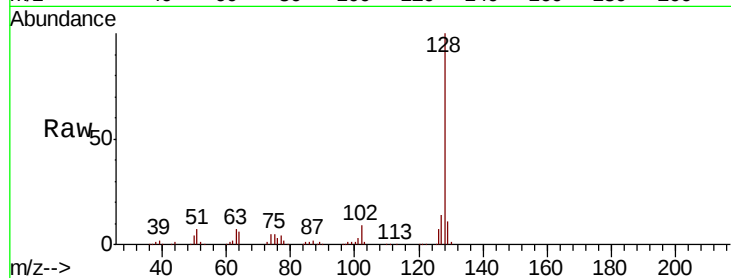




#69
Naphthalene
Concen: 4.675 ug/L
RT: 14.11 min Scan# 3973
Delta R.T. -0.01 min
Lab File: VU038482.D
Acq: 01 Jun 2020 19:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.0	10.2	15.4



#70
1,2,3-Trichlorobenzene
Concen: 4.700 ug/L
RT: 14.36 min Scan# 4049
Delta R.T. -0.01 min
Lab File: VU038482.D
Acq: 01 Jun 2020 19:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	78.7	118.1
145	34.2	27.5	41.3

