

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011520\
 Data File : VU036480.D
 Acq On : 15 Jan 2020 20:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 06:50:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 05:57:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	461546	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	436919	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	198998	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	165845	55.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.84%
7) Chloroethane-d5	1.93	69	143378	55.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.70%
11) 1,1-Dichloroethene-d2	2.59	63	303007	52.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.48%
21) 2-Butanone-d5	4.67	46	269001	104.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.56%
24) Chloroform-d	5.11	84	328276	55.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.20%
26) 1,2-Dichloroethane-d4	5.75	65	219723	55.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.96%
32) Benzene-d6	5.77	84	629094	55.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.10%
36) 1,2-Dichloropropane-d6	6.73	67	205068	55.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.36%
41) Toluene-d8	7.93	98	568666	52.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.24%
43) trans-1,3-Dichloropropene-	8.21	79	106960	53.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.86%
47) 2-Hexanone-d5	8.67	63	205904	108.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.12%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	308722	55.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.46%
64) 1,2-Dichlorobenzene-d4	12.21	152	208188	53.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.22%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	203613	47.604 ug/L	99
3) Chloromethane	1.54	50	194464	50.490 ug/L	100
5) Vinyl chloride	1.62	62	192048	50.236 ug/L	100
6) Bromomethane	1.87	94	117027	50.340 ug/L	100
8) Chloroethane	1.95	64	112742	49.853 ug/L	96
9) Trichlorofluoromethane	2.16	101	253591	48.703 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	134107	48.714 ug/L	99
12) 1,1-Dichloroethene	2.60	96	135964	49.842 ug/L	90
13) Acetone	2.66	43	235935	84.736 ug/L	97
14) Carbon disulfide	2.82	76	428942	48.617 ug/L	100
15) Methyl Acetate	2.98	43	183918	49.394 ug/L	99
16) Methylene chloride	3.08	84	167623	49.944 ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	149155	49.872 ug/L	99
18) Methyl tert-butyl Ether	3.41	73	527666	51.773 ug/L	100
19) 1,1-Dichloroethane	3.92	63	293163	51.922 ug/L	100
20) cis-1,2-Dichloroethene	4.71	96	174834	50.987 ug/L	99
22) 2-Butanone	4.75	43	299223	94.697 ug/L	99

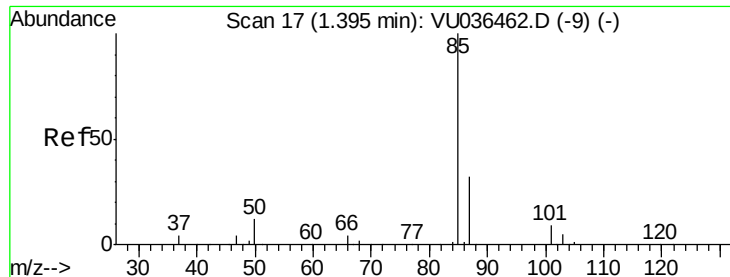
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011520\
 Data File : VU036480.D
 Acq On : 15 Jan 2020 20:05
 Operator : JC/MD
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 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 05:57:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	86281	52.085	ug/L	98
25) Chloroform	5.13	83	310622	51.586	ug/L	100
27) 1,2-Dichloroethane	5.84	62	248657	52.139	ug/L	99
29) Cyclohexane	5.43	56	241813	46.144	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	258819	49.877	ug/L	98
31) Carbon tetrachloride	5.57	117	220436	49.565	ug/L	97
33) Benzene	5.81	78	641816	51.122	ug/L	100
34) Trichloroethene	6.58	95	170446	50.278	ug/L	98
35) Methylcyclohexane	6.80	83	248610	47.633	ug/L	99
37) 1,2-Dichloropropane	6.83	63	168500	50.640	ug/L	100
38) Bromodichloromethane	7.14	83	237522	51.869	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	270880	50.286	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	533563	99.679	ug/L	99
42) Toluene	8.00	91	685808	50.294	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	258070	51.718	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	164552	51.738	ug/L	97
46) Tetrachloroethene	8.58	164	112495	49.332	ug/L	92
48) 2-Hexanone	8.72	43	405692	95.829	ug/L	98
49) Dibromochloromethane	8.84	129	187266	52.933	ug/L	98
50) 1,2-Dibromoethane	8.95	107	188299	52.228	ug/L	97
51) Chlorobenzene	9.47	112	432962	50.494	ug/L	98
52) Ethylbenzene	9.60	91	757116	49.711	ug/L	99
53) m,p-Xylene	9.72	106	286710	50.340	ug/L	96
54) o-xylene	10.12	106	280039	49.252	ug/L	98
55) Styrene	10.14	104	477988	51.834	ug/L	99
56) Isopropylbenzene	10.51	105	723357	49.569	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	278439	50.343	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	228718	49.846	ug/L	97
61) Bromoform	10.32	173	131519	48.530	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	312512	49.873	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	311826	49.525	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	313667	50.748	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	62995	46.347	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	191018	50.411	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	140185	50.202	ug/L	97
69) Naphthalene	14.10	128	471120	49.929	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	147939	51.068	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.604 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

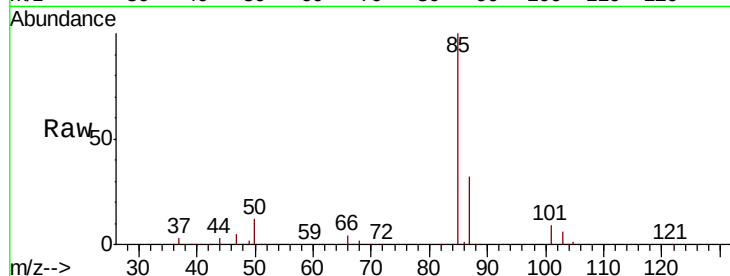
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 203613

Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036462.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036462.D (-9) (-)

1.39

200000

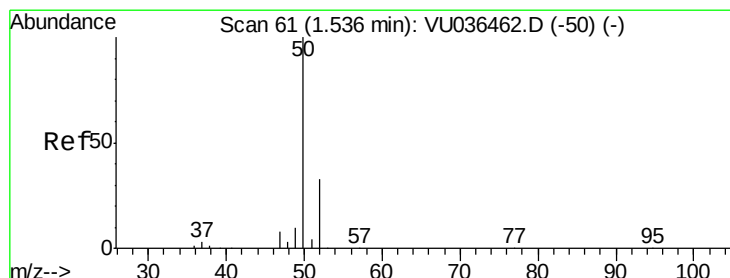
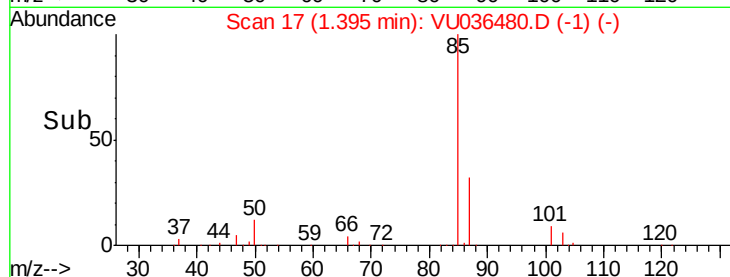
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 50.490 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036480.D

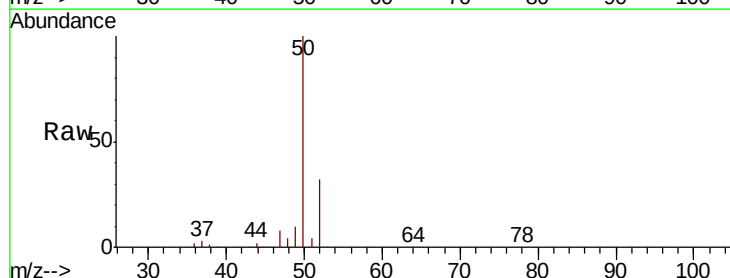
Acq: 15 Jan 2020 20:05

Tgt Ion: 50 Resp: 194464

Ion Ratio Lower Upper

50 100

52 32.5 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU036462.D (-50) (-)

Ion 52.00 (51.70 to 52.70): VU036462.D (-50) (-)

1.54

200000

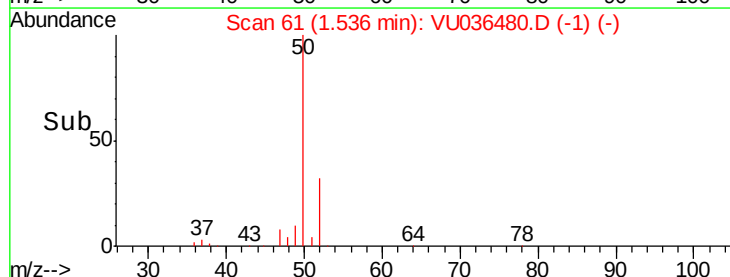
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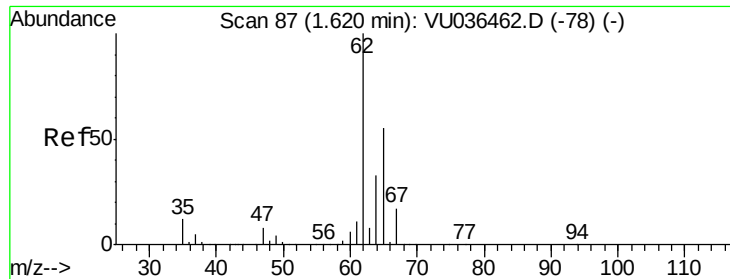
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 50.236 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

Instrument :

MSVOA_U

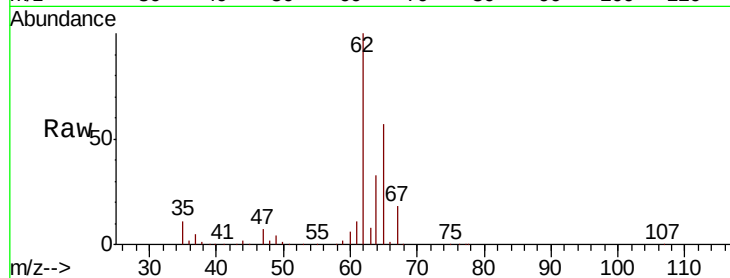
ClientSampleId :

Tot Ion: 62 Resp: 192048

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU036462.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036480.D (-71) (-)

1.62

200000

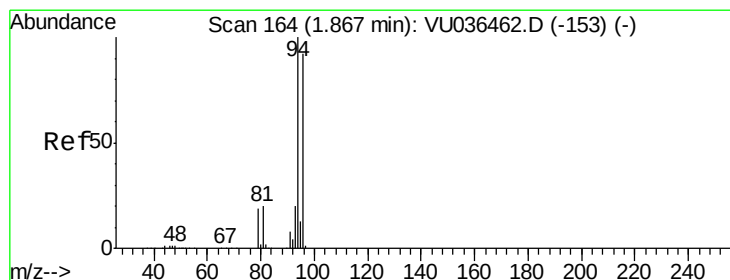
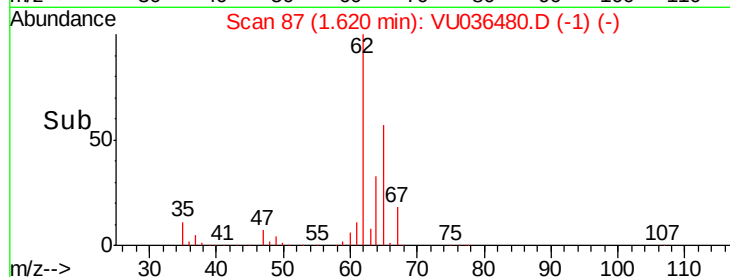
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 50.340 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU036480.D

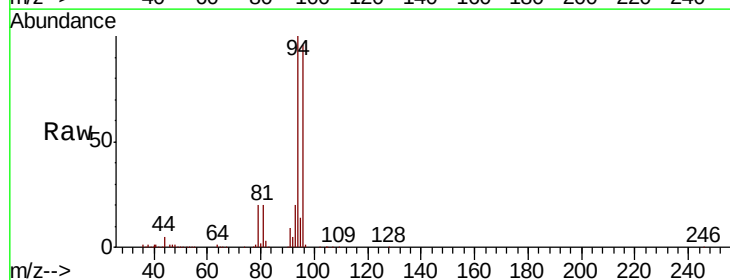
Acq: 15 Jan 2020 20:05

Tgt Ion: 94 Resp: 117027

Ion Ratio Lower Upper

94 100

96 95.9 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VU036462.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU036480.D (-71) (-)

1.87

100000

80000

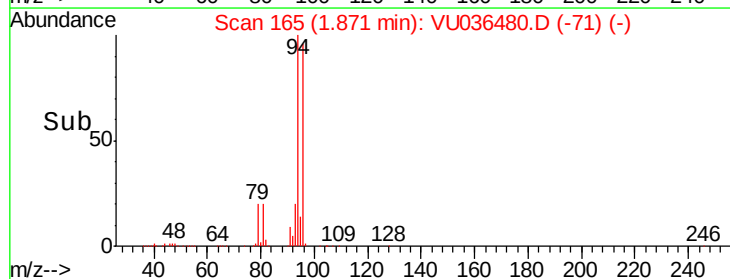
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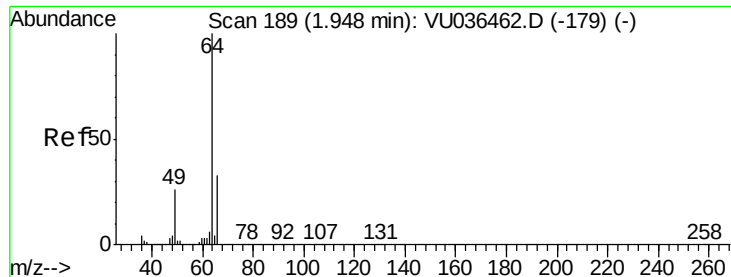
40000

20000

0

Time--> 1.80 1.85 1.90 1.95

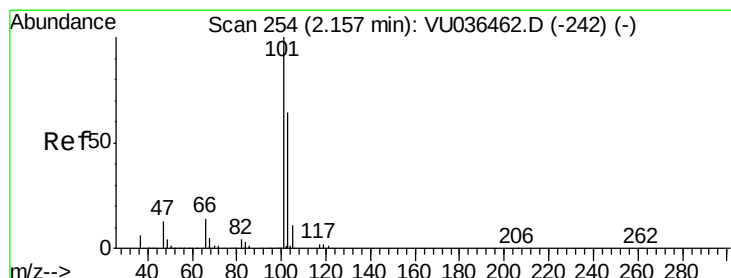
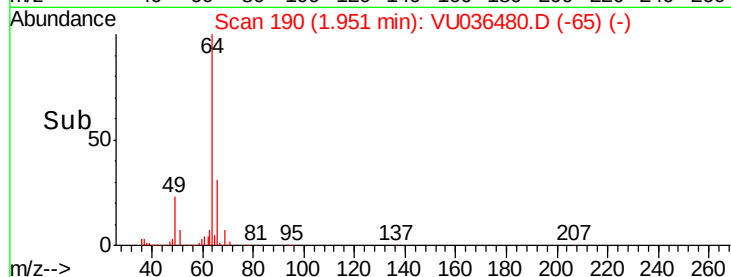
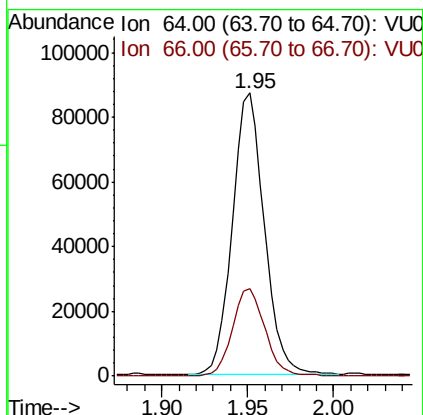
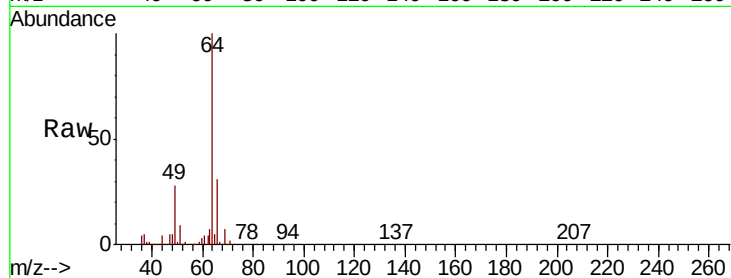




#8
Chloroethane
Concen: 49.853 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036480.D
Acq: 15 Jan 2020 20:05

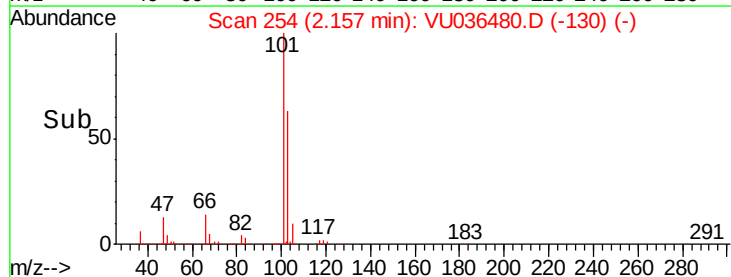
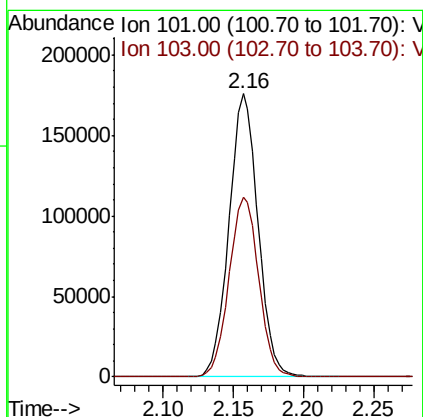
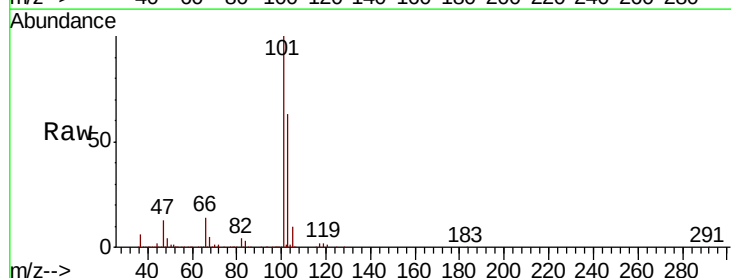
Instrument :
MSVOA_U
ClientSampleId :

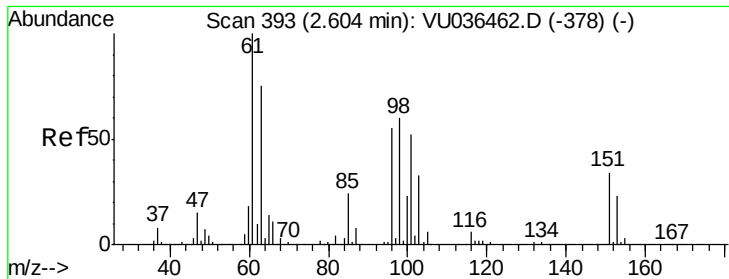
Tot Ion: 64 Resp: 112742
Ion Ratio Lower Upper
64 100
66 30.7 23.1 42.9



#9
Trichlorofluoromethane
Concen: 48.703 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036480.D
Acq: 15 Jan 2020 20:05

Tgt Ion: 101 Resp: 253591
Ion Ratio Lower Upper
101 100
103 64.8 52.0 78.0





#10

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

Concen: 48.714 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

Instrument :

MSVOA_U

ClientSampled :

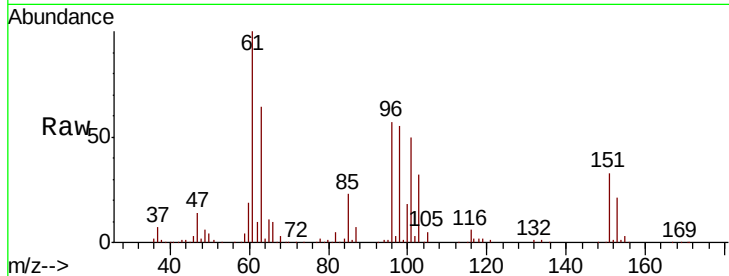
Tot Ion:101 Resp: 134107

Ion Ratio Lower Upper

101 100

85 46.5 36.7 55.1

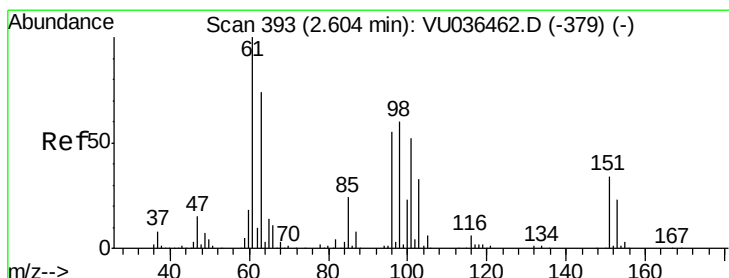
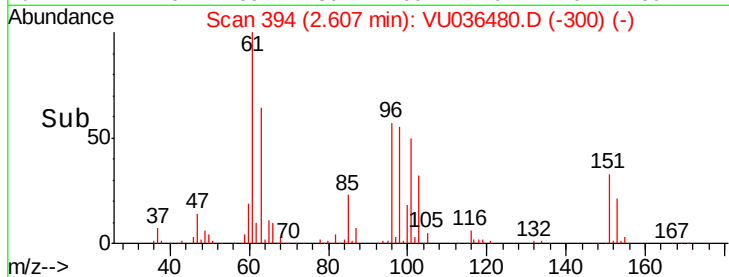
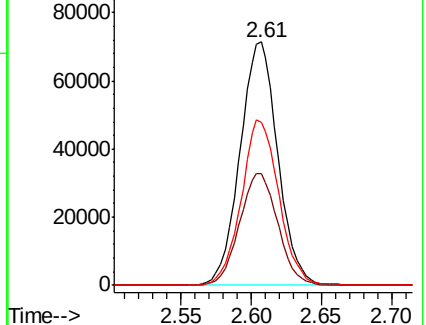
151 67.3 53.3 79.9



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: 49.842 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

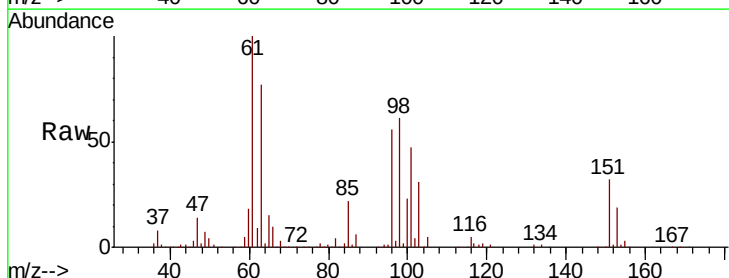
Tgt Ion: 96 Resp: 135964

Ion Ratio Lower Upper

96 100

61 179.5 128.2 238.2

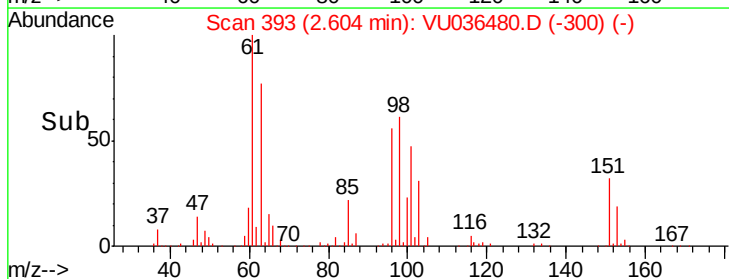
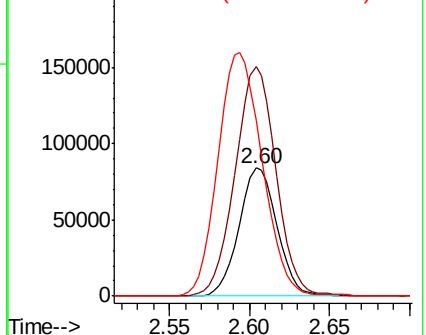
63 137.3 79.1 146.9

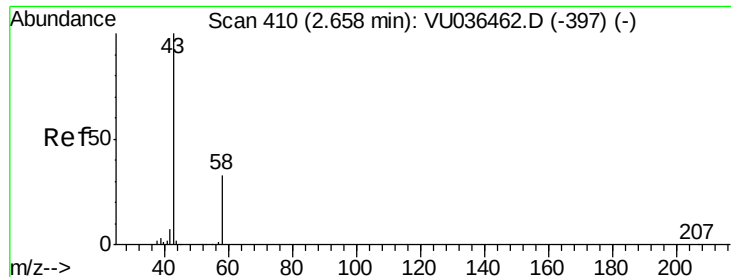


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 84.736 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

Instrument :

MSVOA_U

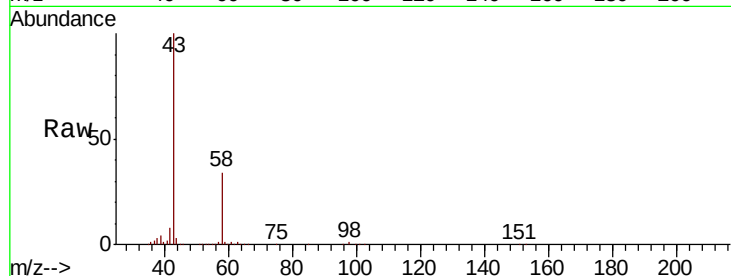
ClientSampleId :

Tot Ion: 43 Resp: 235935

Ion Ratio Lower Upper

43 100

58 34.3 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU036462.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU036462.D (-397) (-)

2.66

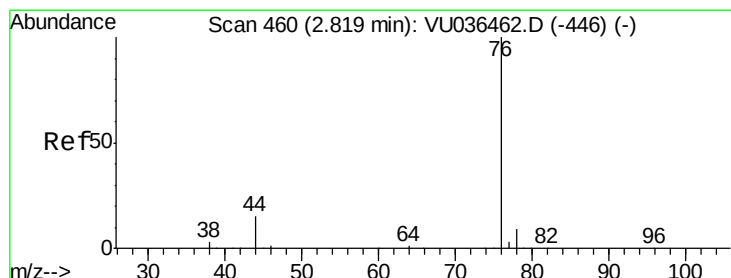
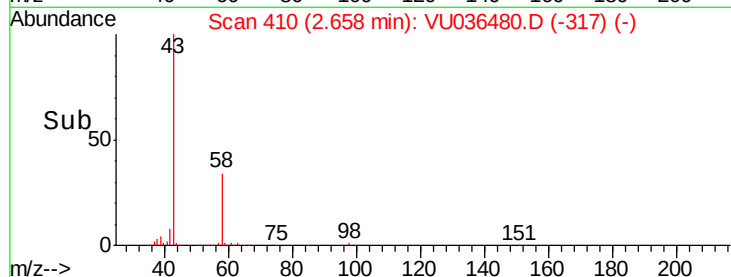
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 48.617 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036480.D

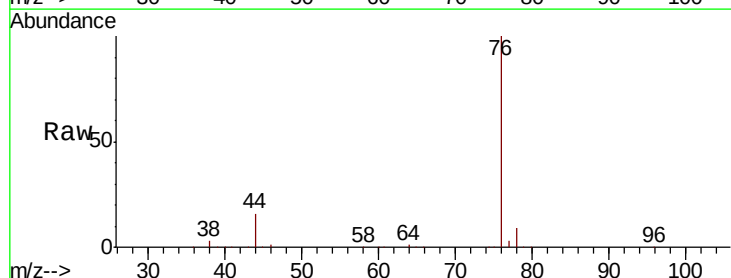
Acq: 15 Jan 2020 20:05

Tgt Ion: 76 Resp: 428942

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036462.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036462.D (-446) (-)

2.82

300000

250000

200000

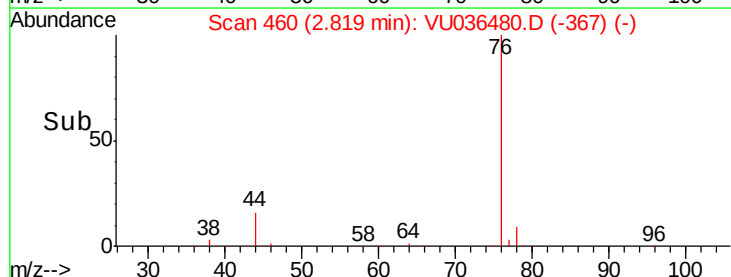
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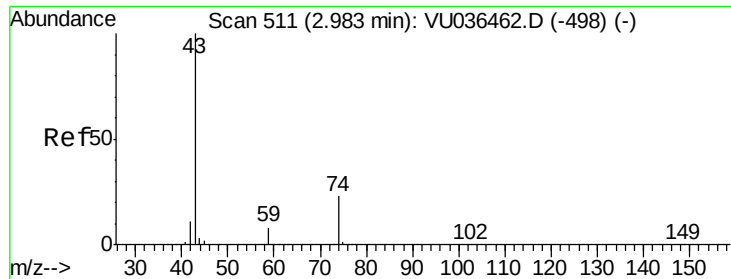
100000

50000

0

Time-->

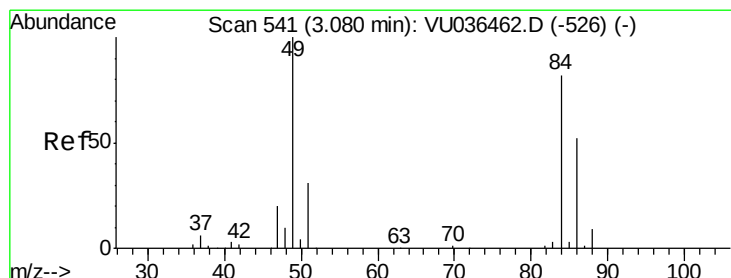
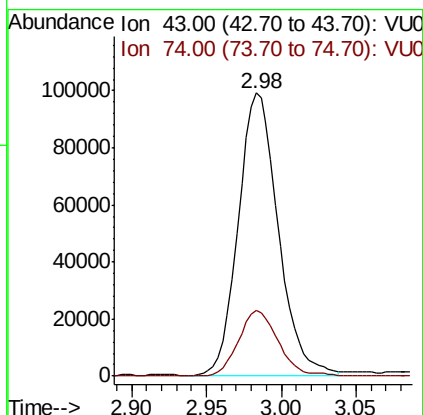
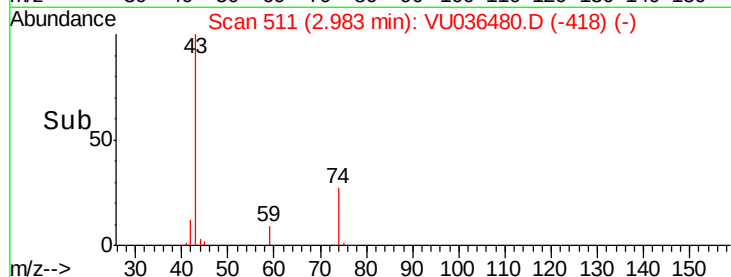
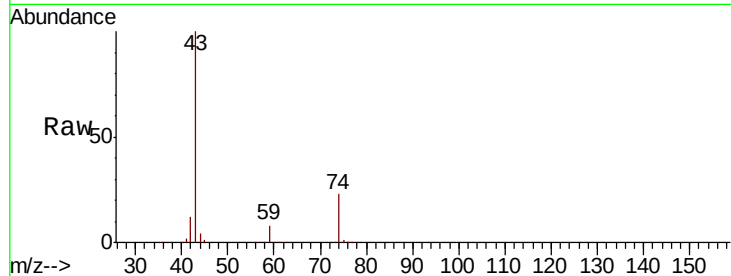




#15
Methvl Acetate
Concen: 49.394 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU036480.D
Acq: 15 Jan 2020 20:05

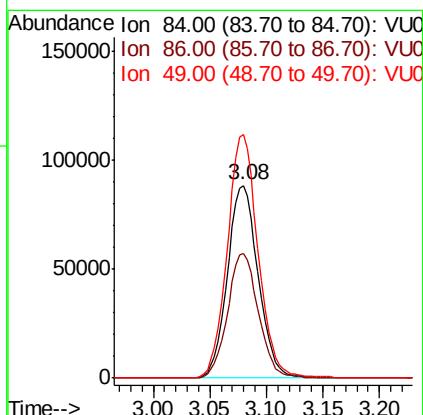
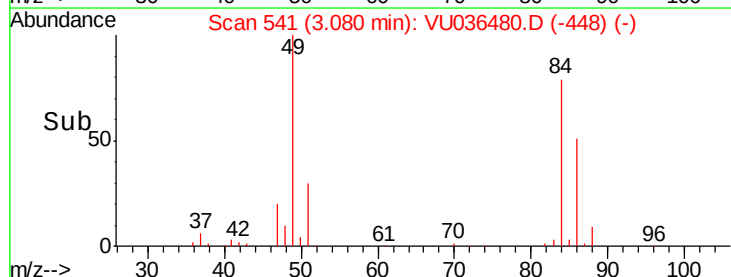
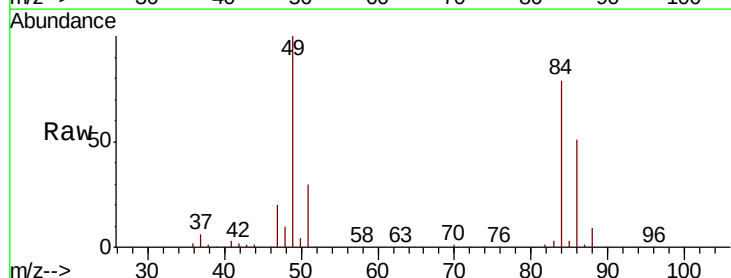
Instrument :
MSVOA_U
ClientSampled :

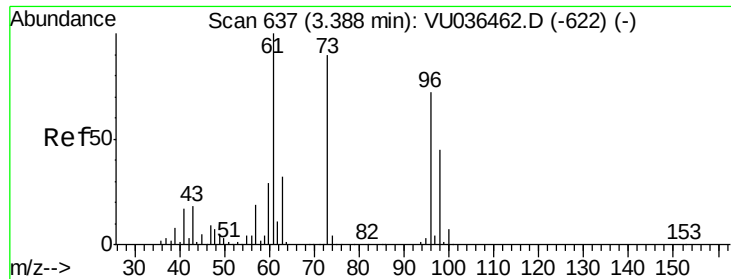
Tot Ion: 43 Resp: 183918
Ion Ratio Lower Upper
43 100
74 23.2 19.0 28.4



#16
Methylene chloride
Concen: 49.944 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036480.D
Acq: 15 Jan 2020 20:05

Tgt Ion: 84 Resp: 167623
Ion Ratio Lower Upper
84 100
86 64.7 46.4 86.2
49 126.1 84.5 156.9

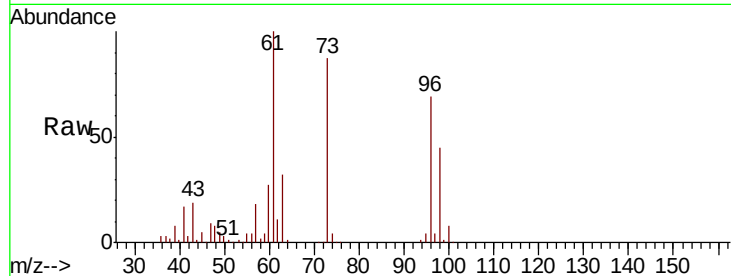




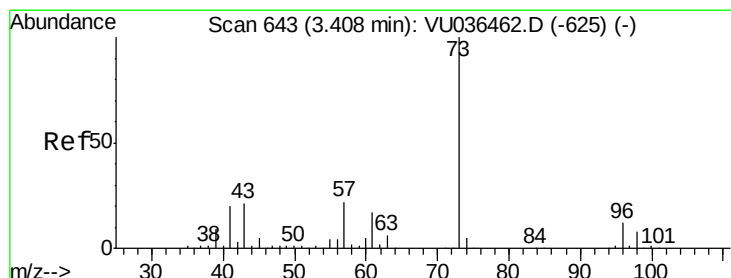
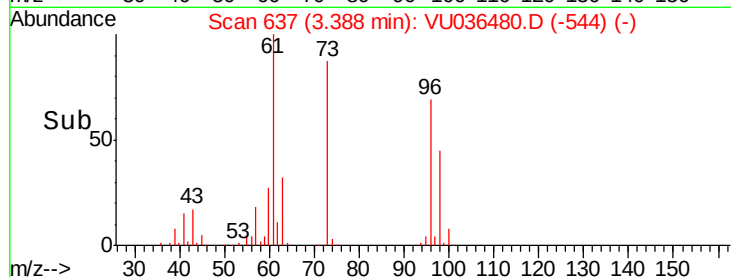
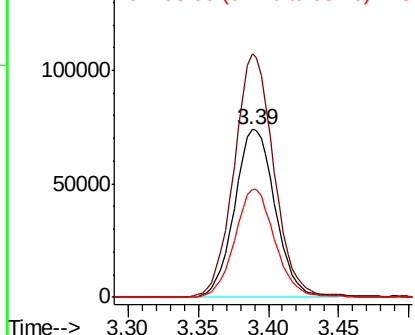
#17
trans-1,2-Dichloroethene
Concen: 49.872 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU036480.D
Acq: 15 Jan 2020 20:05

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 149155
Ion Ratio Lower Upper
96 100
61 145.3 102.8 191.0
98 64.7 44.9 83.5

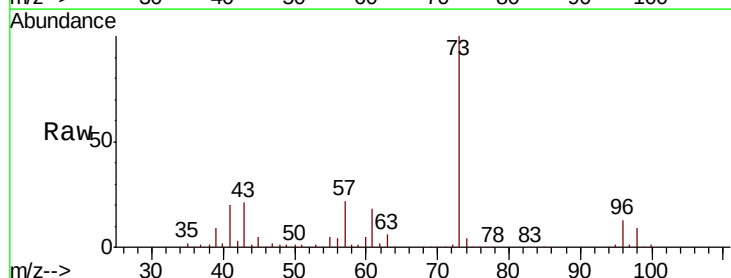


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

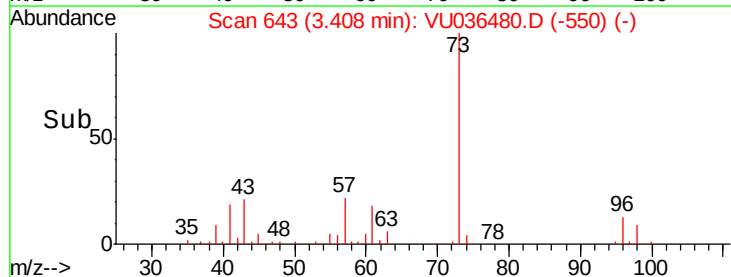
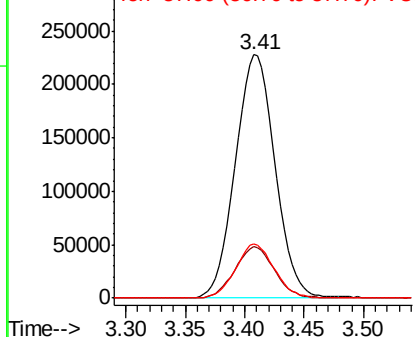


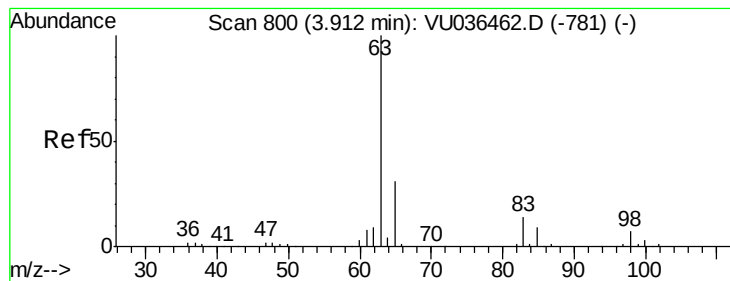
#18
Methyl tert-butyl Ether
Concen: 51.773 ug/L
RT: 3.41 min Scan# 643
Delta R.T. 0.00 min
Lab File: VU036480.D
Acq: 15 Jan 2020 20:05

Tgt Ion: 73 Resp: 527666
Ion Ratio Lower Upper
73 100
43 21.0 16.6 25.0
57 21.5 17.0 25.6



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 51.922 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

Instrument :

MSVOA_U

ClientSampleId :

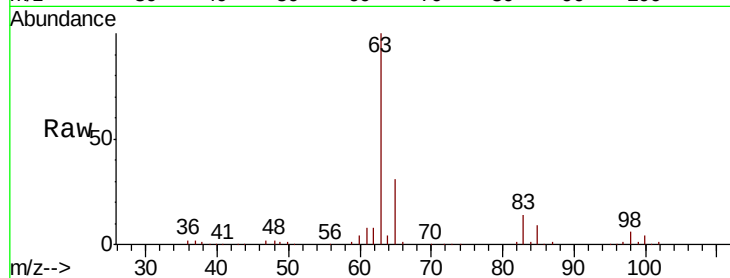
Tot Ion: 63 Resp: 293163

Ion Ratio Lower Upper

63 100

65 31.2 21.8 40.4

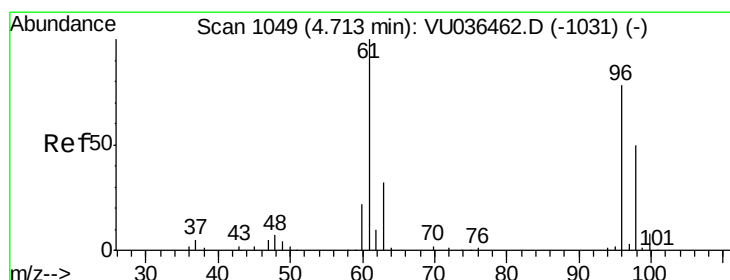
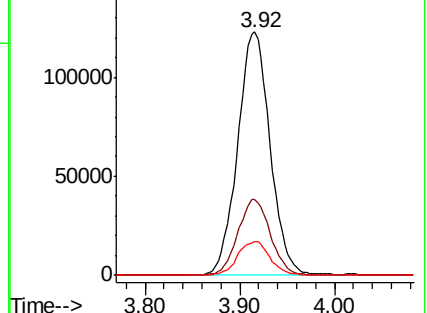
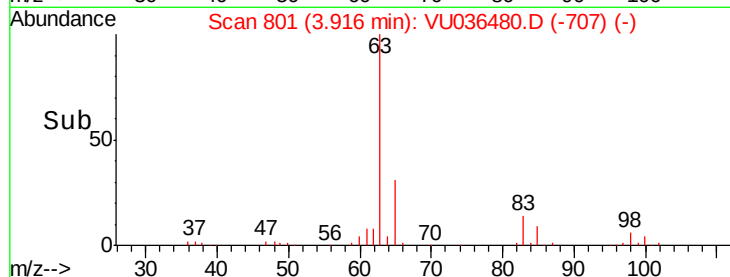
83 13.8 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VU036480.D (-956) (-)

Ion 65.00 (64.70 to 65.70): VU036480.D (-956) (-)

Ion 83.00 (82.70 to 83.70): VU036480.D (-956) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.987 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

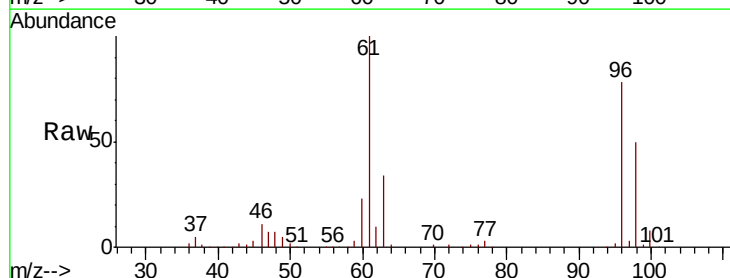
Tgt Ion: 96 Resp: 174834

Ion Ratio Lower Upper

96 100

61 128.5 89.5 166.3

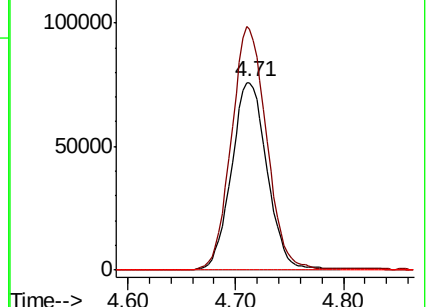
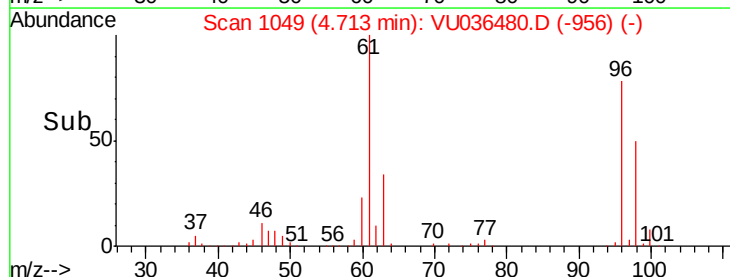
68 0.0 0.0 0.0

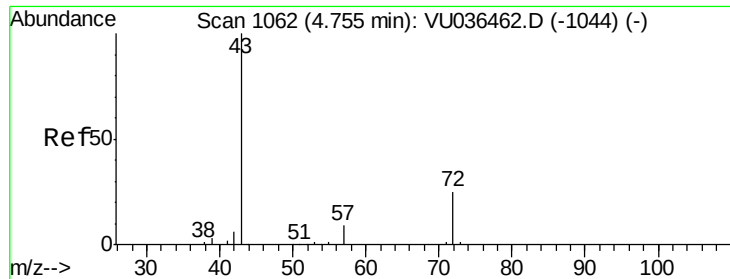


Abundance Ion 96.00 (95.70 to 96.70): VU036480.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036480.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU036480.D (-956) (-)





#22

2-Butanone

Concen: 94.697 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

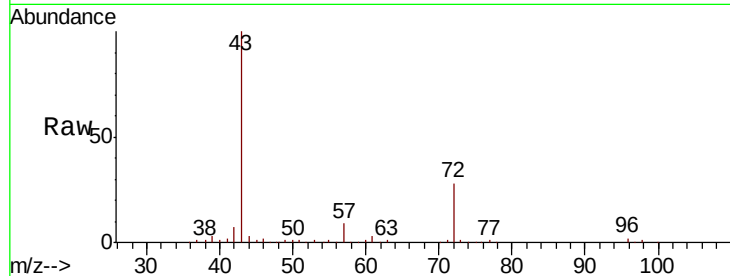
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 299223

Ion Ratio Lower Upper

43 100

72 27.7 14.1 42.4



Abundance Ion 43.00 (42.70 to 43.70): VU036480.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU036480.D (-969) (-)

4.75

150000

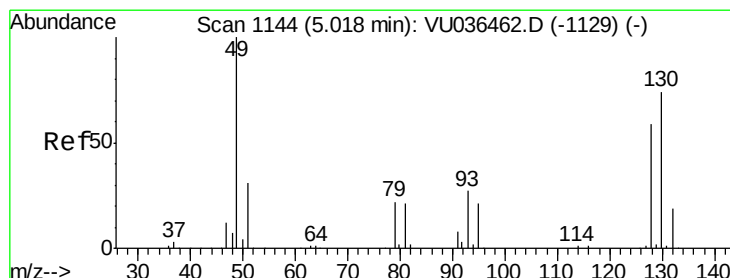
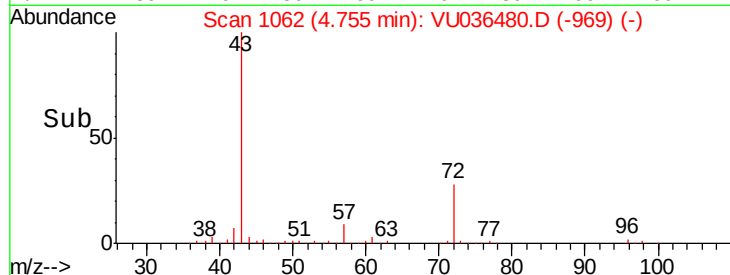
100000

50000

0

4.65 4.70 4.75 4.80 4.85

Time-->



#23

Bromochloromethane

Concen: 52.085 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

Tgt Ion: 128 Resp: 86281

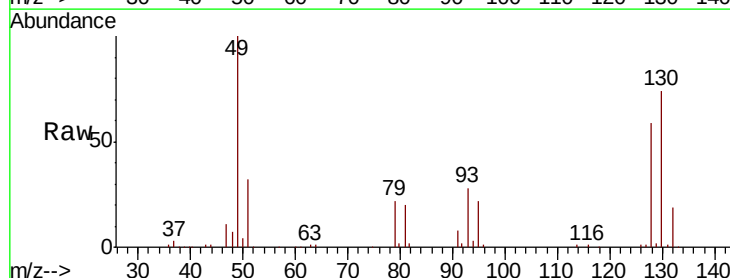
Ion Ratio Lower Upper

128 100

49 170.4 118.9 220.7

130 126.5 91.3 169.5

51 54.4 42.6 63.8



Abundance Ion 128.00 (127.70 to 128.70): VU036480.D (-1051) (-)

Ion 49.00 (48.70 to 49.70): VU036480.D (-1051) (-)

Ion 130.00 (129.70 to 130.70): VU036480.D (-1051) (-)

Ion 51.00 (50.70 to 51.70): VU036480.D (-1051) (-)

100000

80000

60000

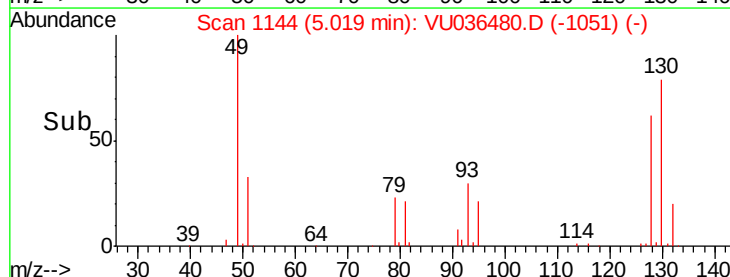
40000

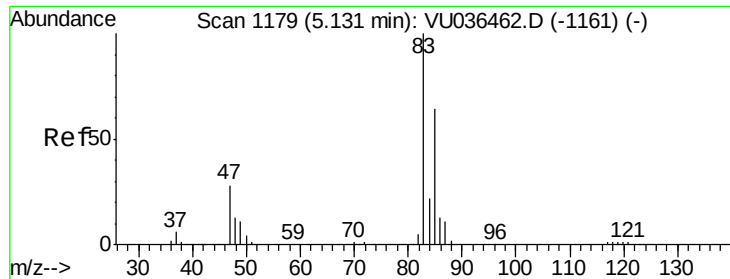
20000

0

4.95 5.00 5.05 5.10

Time-->

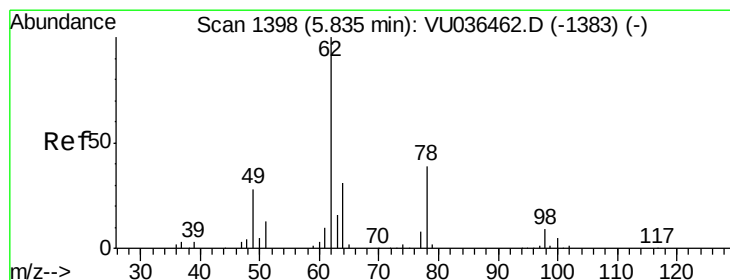
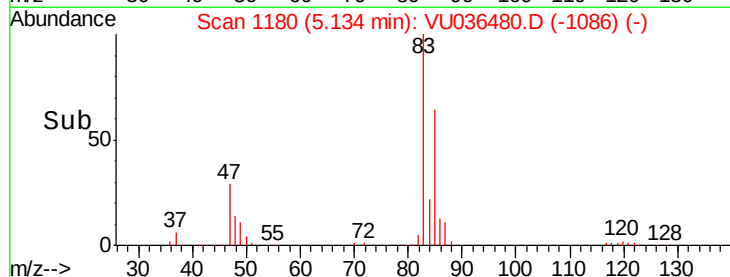
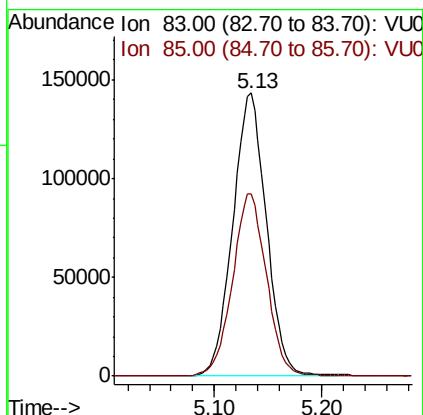
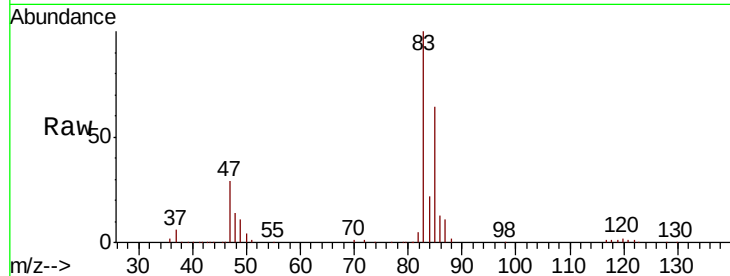




#25
Chloroform
Concen: 51.586 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036480.D
Acq: 15 Jan 2020 20:05

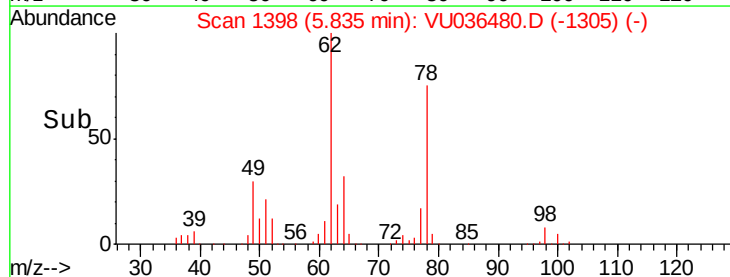
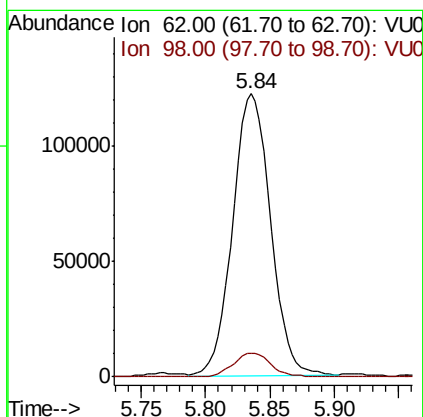
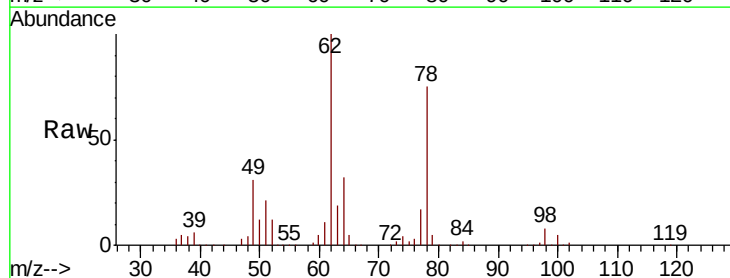
Instrument :
MSVOA_U
ClientSampleId :

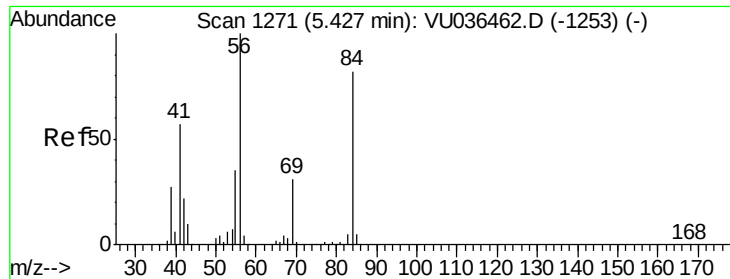
Tot Ion: 83 Resp: 310622
Ion Ratio Lower Upper
83 100
85 64.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 52.139 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU036480.D
Acq: 15 Jan 2020 20:05

Tgt Ion: 62 Resp: 248657
Ion Ratio Lower Upper
62 100
98 8.5 6.6 9.8

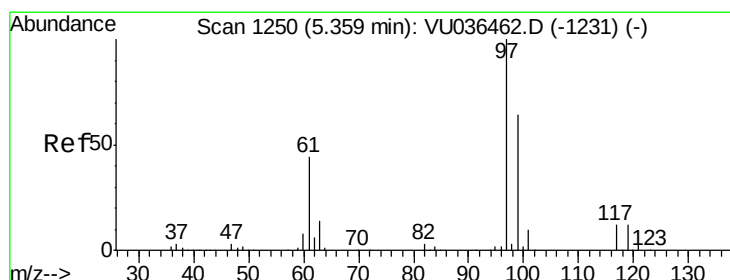
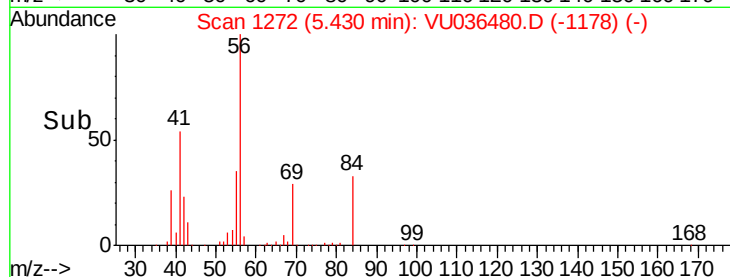
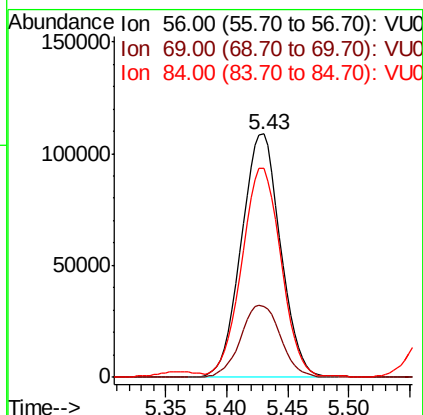
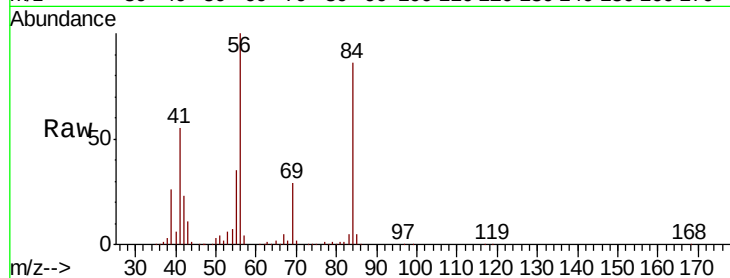




#29
Cyclohexane
Concen: 46.144 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU036480.D
Acq: 15 Jan 2020 20:05

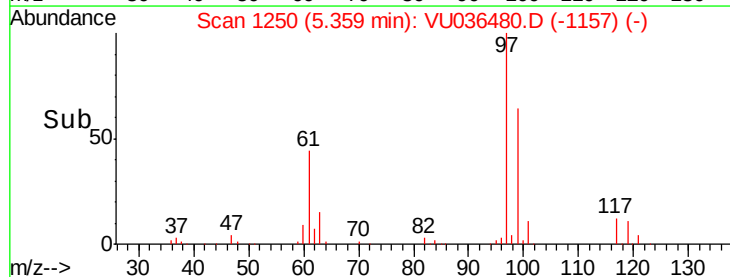
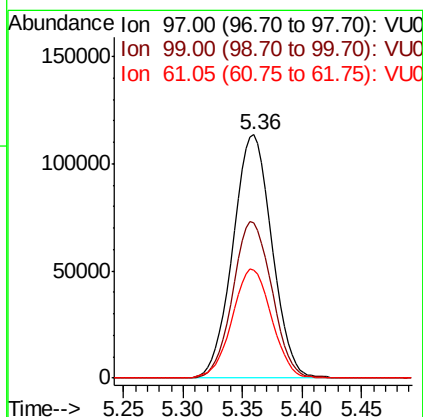
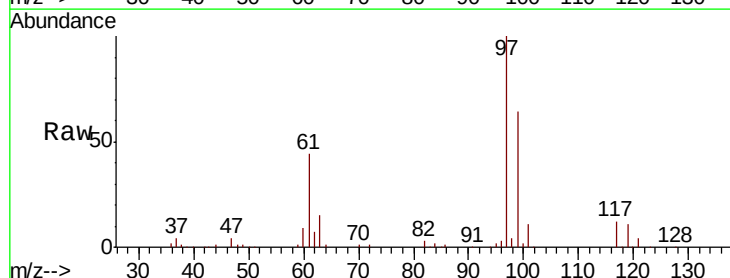
Instrument :
MSVOA_U
ClientSampled :

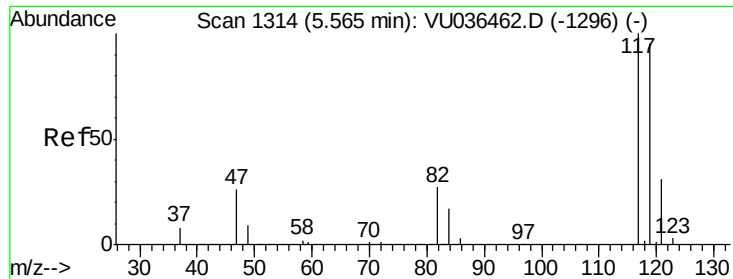
Tot Ion: 56 Resp: 241813
Ion Ratio Lower Upper
56 100
69 30.4 24.6 36.8
84 85.0 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 49.877 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036480.D
Acq: 15 Jan 2020 20:05

Tgt Ion: 97 Resp: 258819
Ion Ratio Lower Upper
97 100
99 64.2 50.2 75.2
61 45.2 35.3 52.9





#31

Carbon tetrachloride

Concen: 49.565 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

Instrument :

MSVOA_U

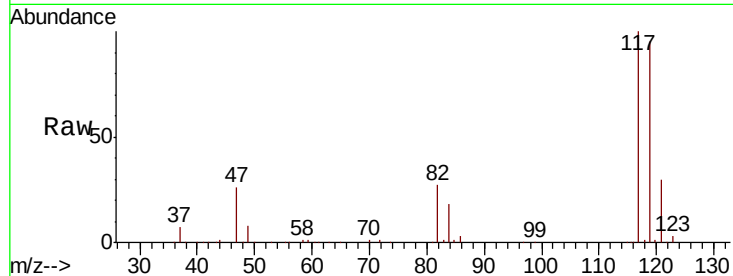
ClientSampled :

Tot Ion:117 Resp: 220436

Ion Ratio Lower Upper

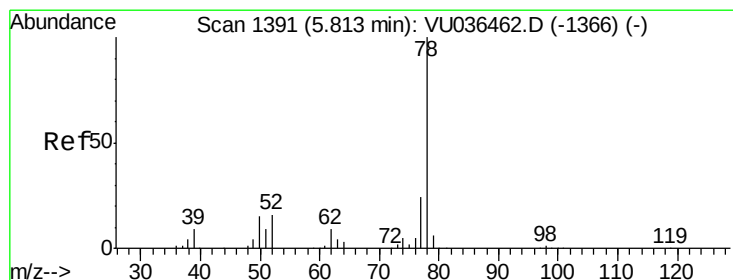
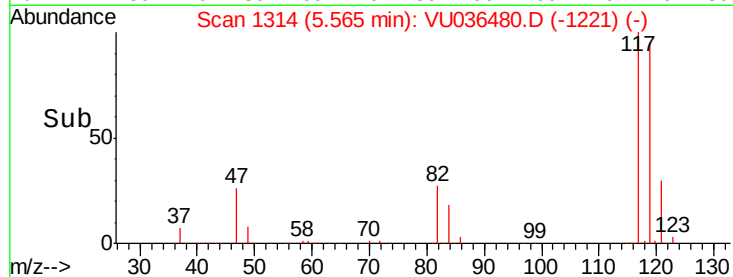
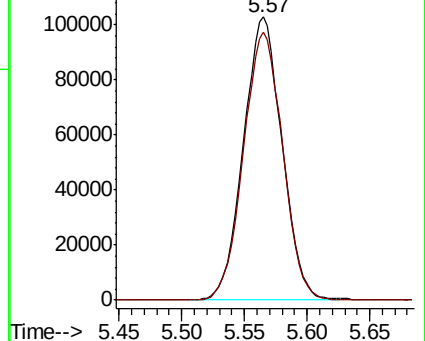
117 100

119 95.8 74.3 111.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.122 ug/L

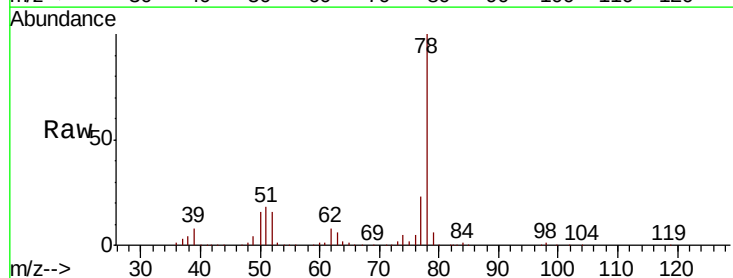
RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

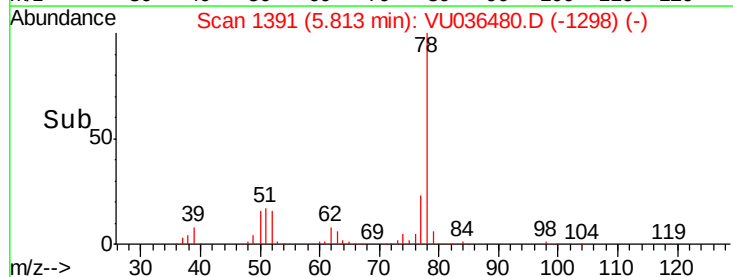
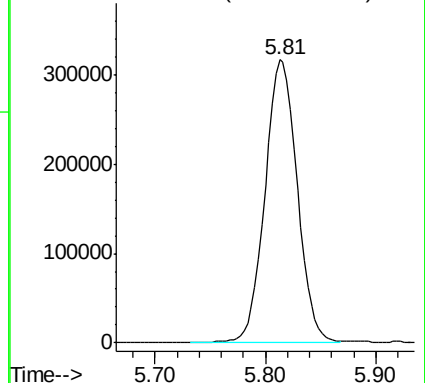
Lab File: VU036480.D

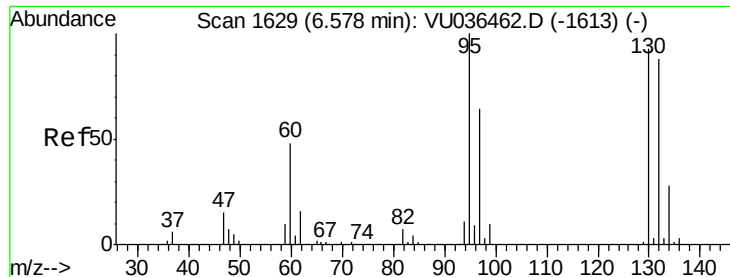
Acq: 15 Jan 2020 20:05

Tgt Ion: 78 Resp: 641816



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.278 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 170446

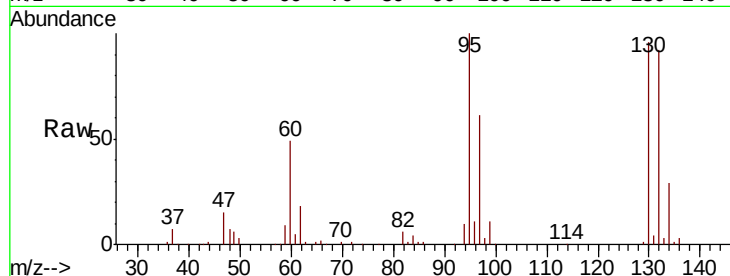
Ion Ratio Lower Upper

95 100

97 61.4 44.2 82.2

132 92.4 62.8 116.6

130 96.2 66.1 122.7

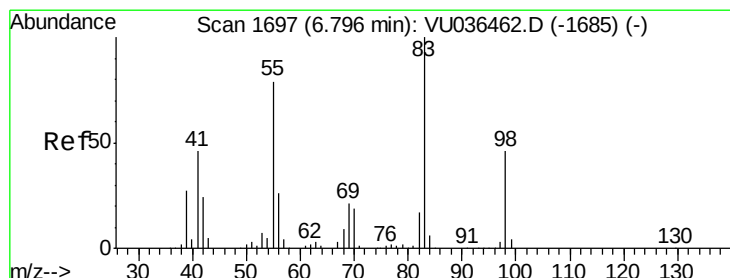
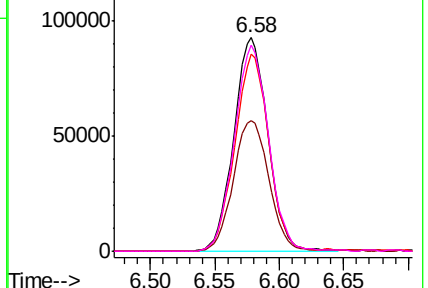
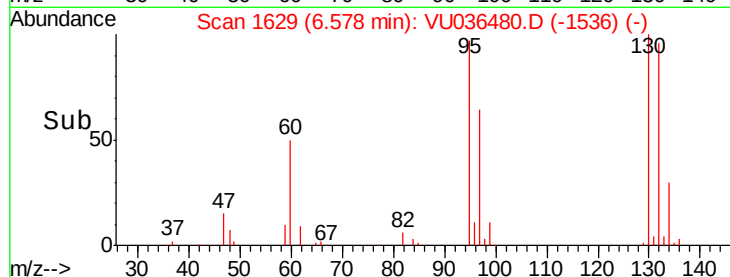


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 47.633 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

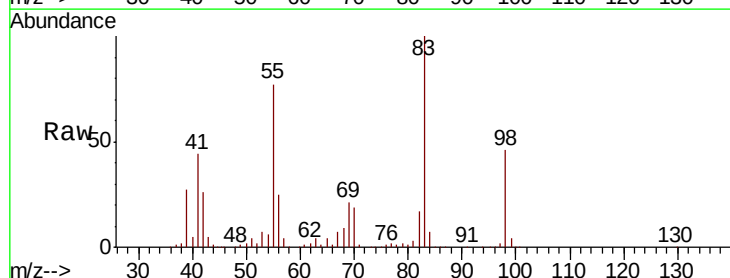
Tgt Ion: 83 Resp: 248610

Ion Ratio Lower Upper

83 100

55 76.0 59.9 89.9

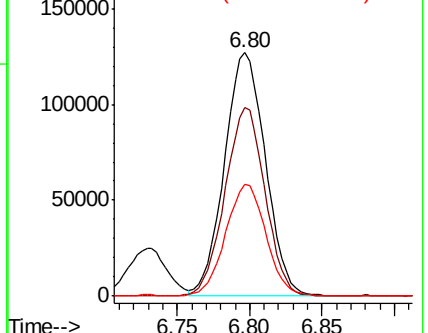
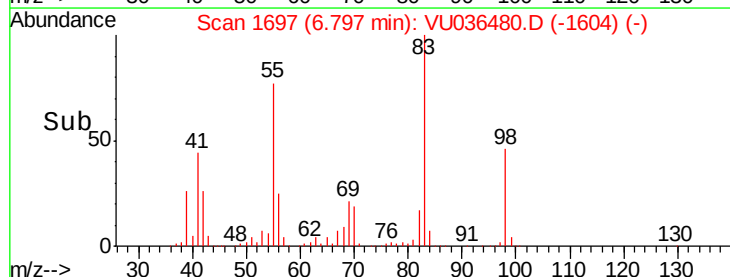
98 45.5 36.4 54.6

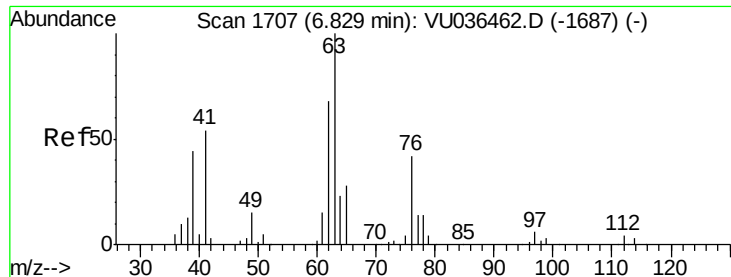


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

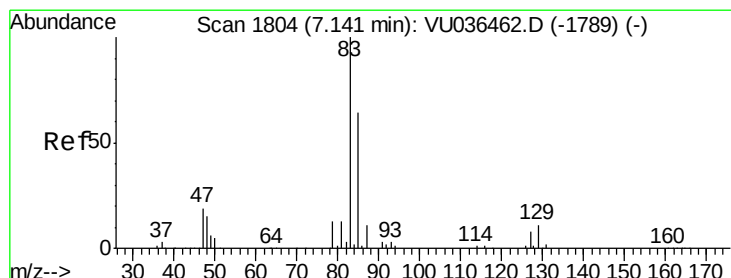
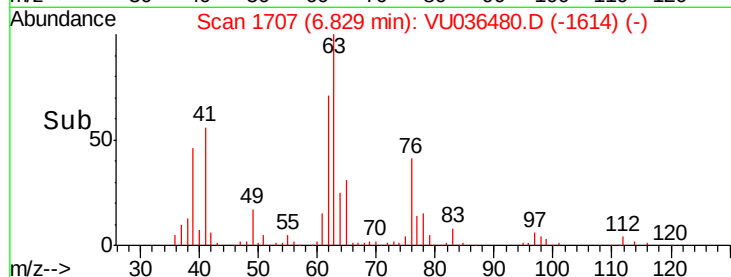
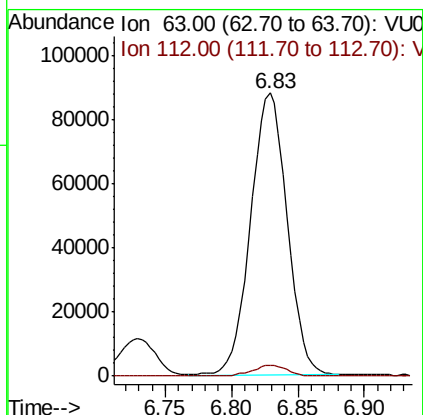
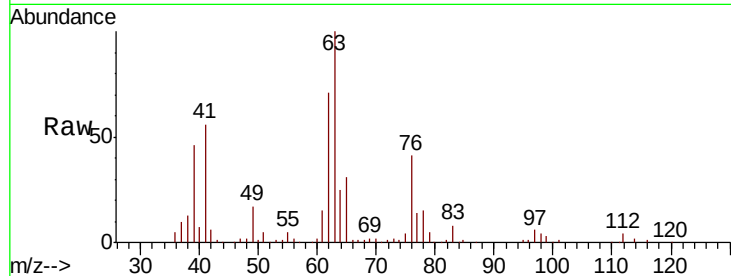




#37
 1,2-Dichloropropane
 Concen: 50.640 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036480.D
 Acq: 15 Jan 2020 20:05

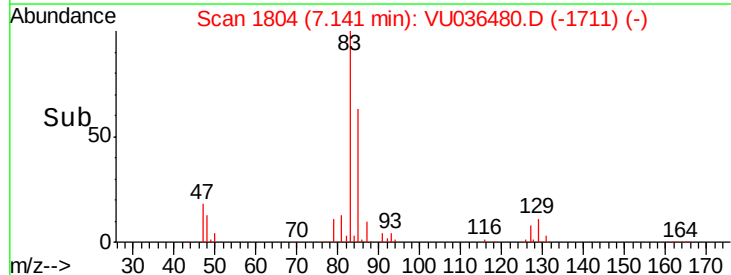
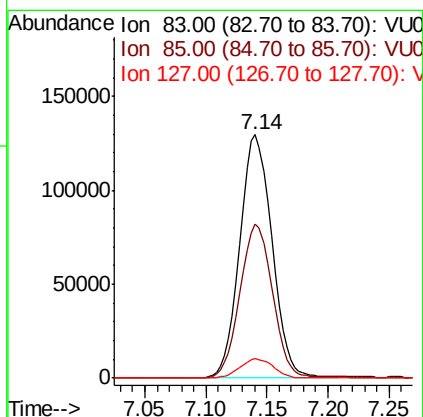
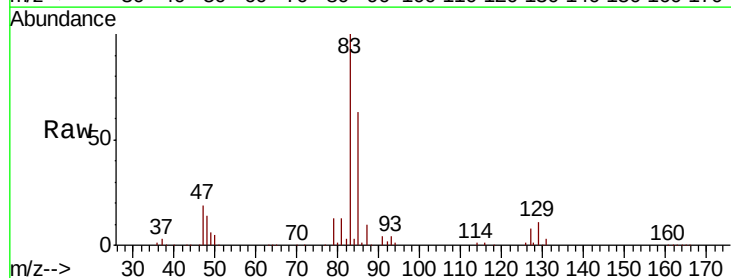
Instrument :
 MSVOA_U
 ClientSampled :

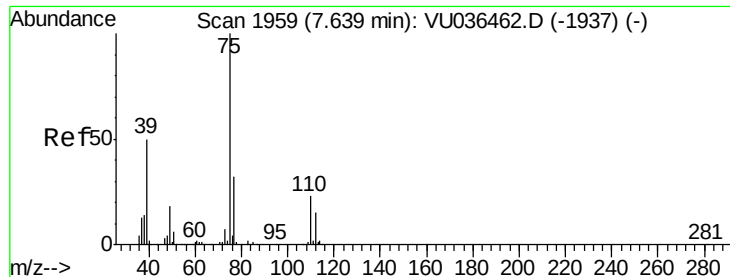
Tot Ion: 63 Resp: 168500
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.4



#38
 Bromodichloromethane
 Concen: 51.869 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036480.D
 Acq: 15 Jan 2020 20:05

Tgt Ion: 83 Resp: 237522
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.0 81.8
 127 8.1 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 50.286 ug/L

RT: 7.64 min Scan# 1959

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

Instrument :

MSVOA_U

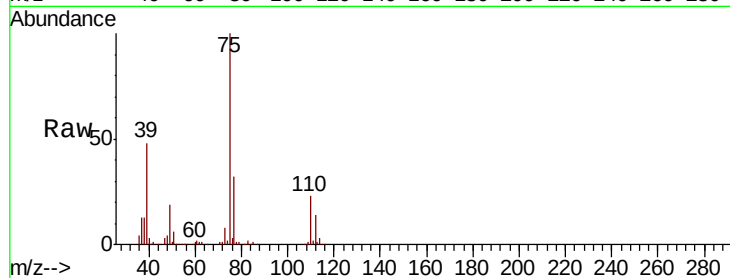
ClientSampleId :

Tot Ion: 75 Resp: 270880

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU036462.D (-1937) (-)

Ion 77.00 (76.70 to 77.70): VU036462.D (-1937) (-)

7.64

150000

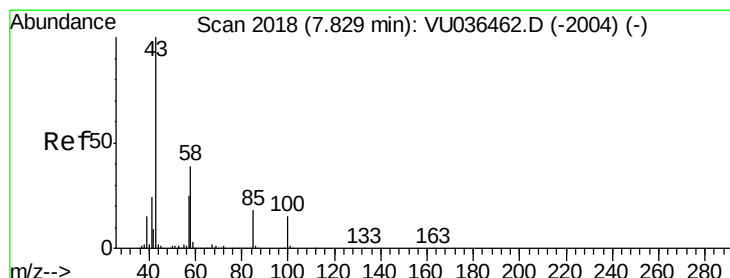
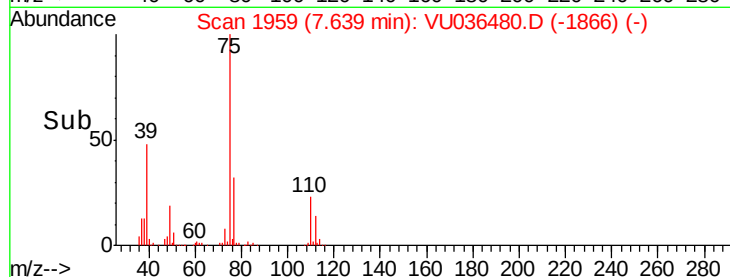
100000

50000

0

7.60 7.65 7.70

Time-->



#40

4-Methyl-2-pentanone

Concen: 99.679 ug/L

RT: 7.83 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

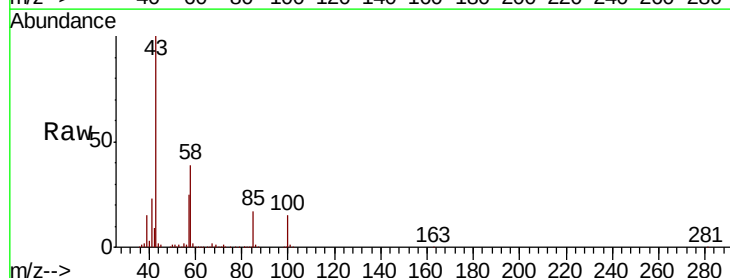
Tgt Ion: 43 Resp: 533563

Ion Ratio Lower Upper

43 100

58 39.1 32.0 48.0

100 14.7 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VU036462.D (-2004) (-)

Ion 58.00 (57.70 to 58.70): VU036462.D (-2004) (-)

Ion 100.00 (99.70 to 100.70): VU036462.D (-2004) (-)

7.83

400000

300000

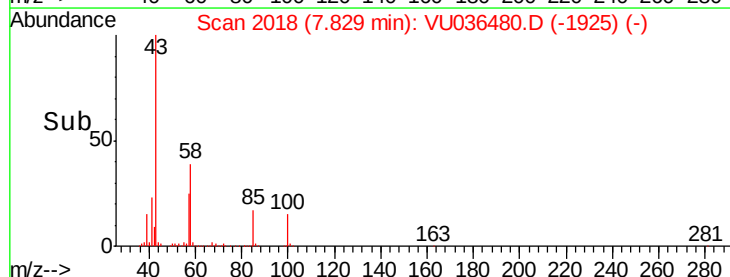
200000

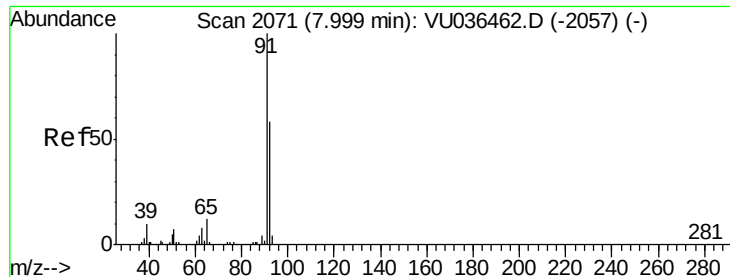
100000

0

7.75 7.80 7.85 7.90

Time-->





#42

Toluene

Concen: 50.294 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

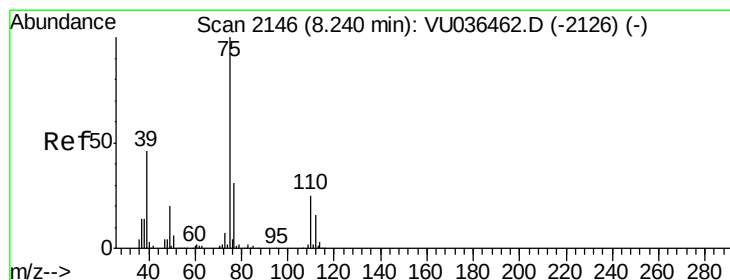
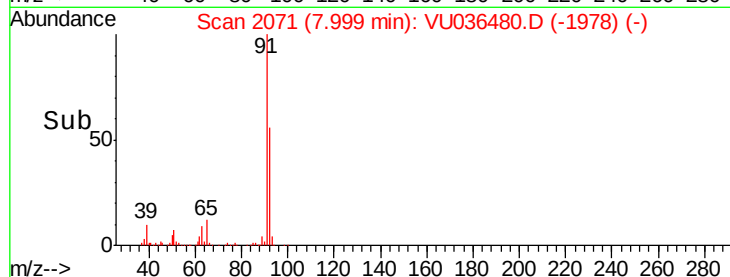
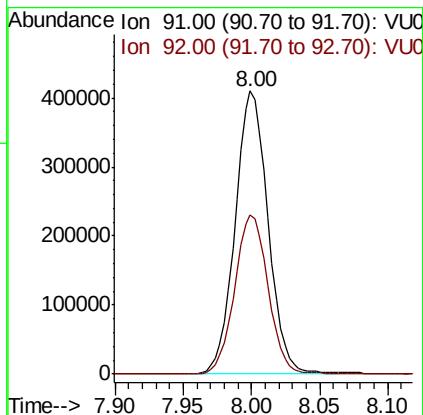
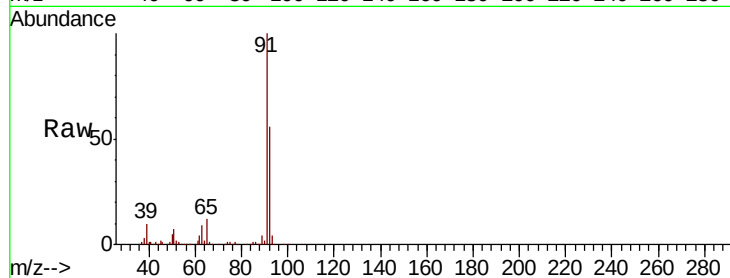
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 685808

Ion Ratio Lower Upper

91 100

92 56.1 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 51.718 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036480.D

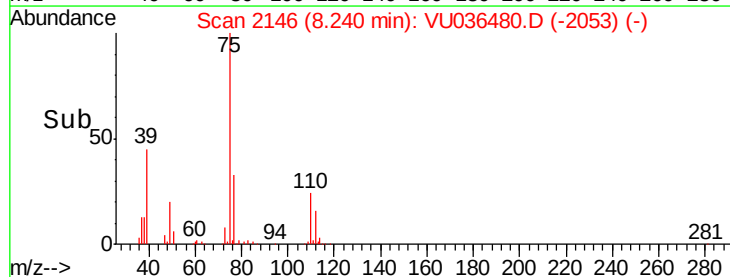
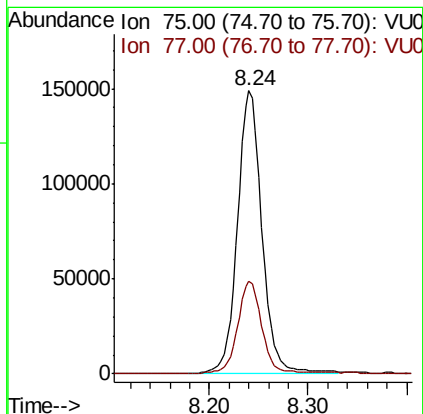
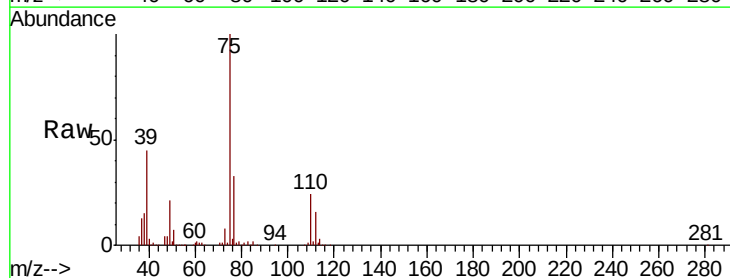
Acq: 15 Jan 2020 20:05

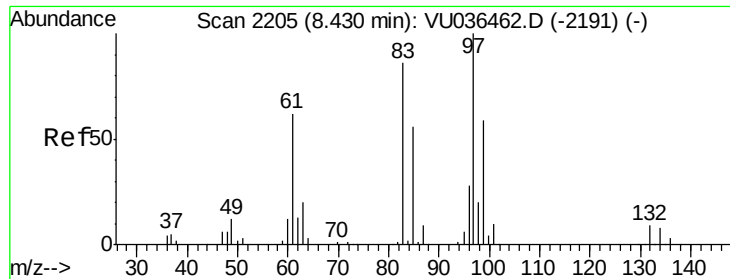
Tgt Ion: 75 Resp: 258070

Ion Ratio Lower Upper

75 100

77 32.7 21.8 40.4

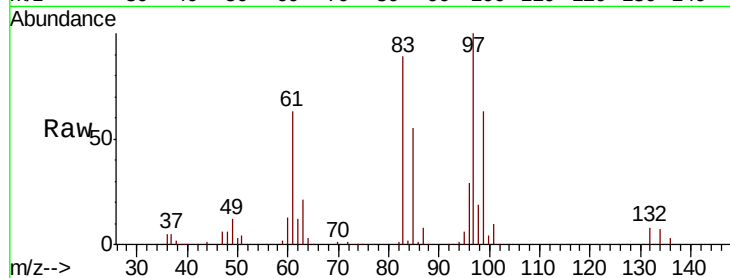




#45
 1,1,2-Trichloroethane
 Concen: 51.738 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU036480.D
 Acq: 15 Jan 2020 20:05

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	164552
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.7	82.9
83	89.1	59.4	110.2
85	55.3	39.7	73.7



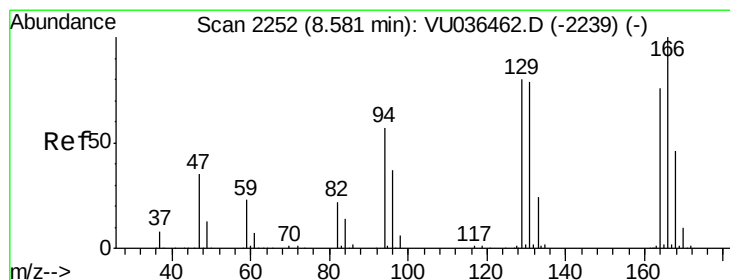
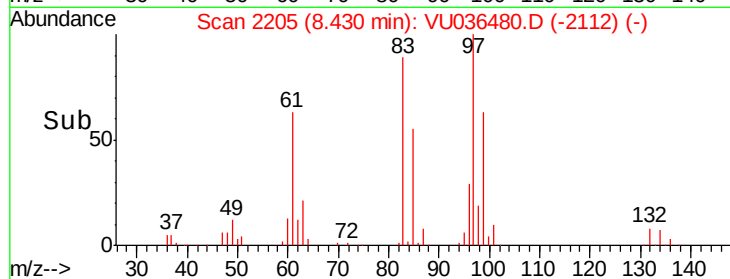
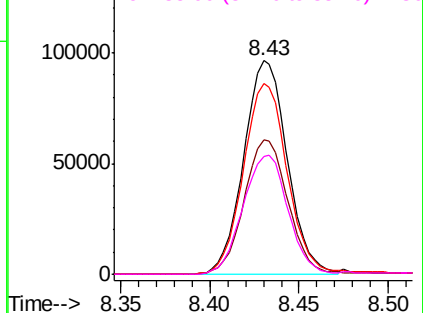
Abundance

Ion 97.00 (96.70 to 97.70): VU036480.D (-2191) (-)

Ion 99.00 (98.70 to 99.70): VU036480.D (-2191) (-)

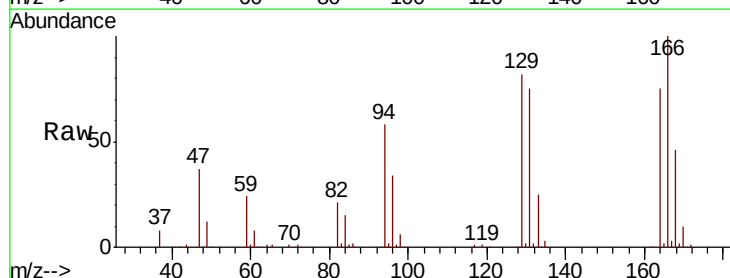
Ion 83.00 (82.70 to 83.70): VU036480.D (-2191) (-)

Ion 85.00 (84.70 to 85.70): VU036480.D (-2191) (-)



#46
 Tetrachloroethene
 Concen: 49.332 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036480.D
 Acq: 15 Jan 2020 20:05

Tgt Ion:	164	Resp:	112495
Ion	Ratio	Lower	Upper
164	100		
129	108.9	68.1	126.5
131	99.8	66.6	123.6
166	132.9	86.5	160.7



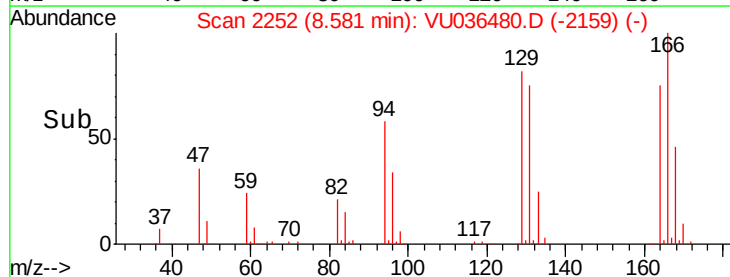
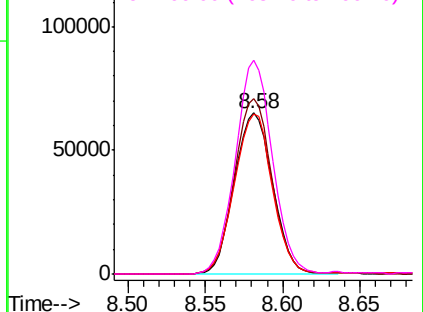
Abundance

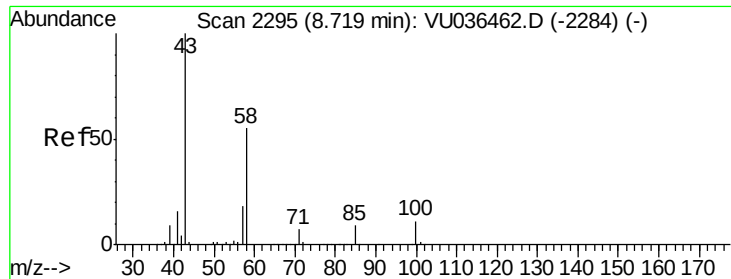
Ion 164.00 (163.70 to 164.70): VU036480.D (-2159) (-)

Ion 129.00 (128.70 to 129.70): VU036480.D (-2159) (-)

Ion 131.00 (130.70 to 131.70): VU036480.D (-2159) (-)

Ion 166.00 (165.70 to 166.70): VU036480.D (-2159) (-)

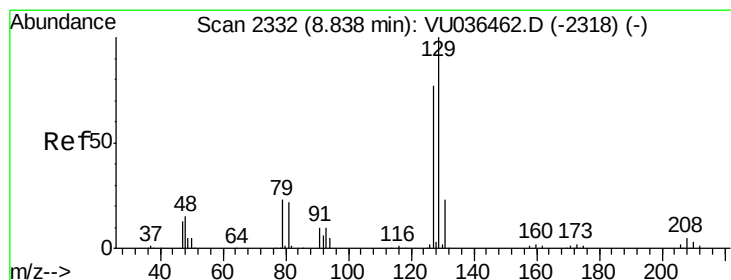
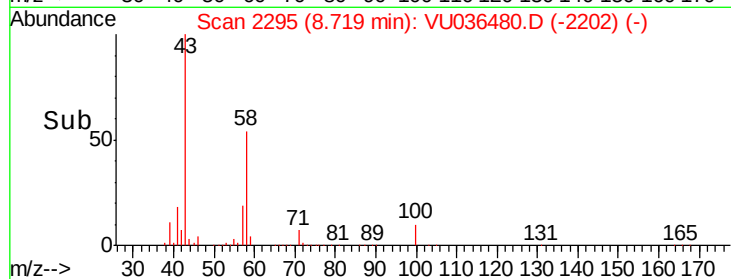
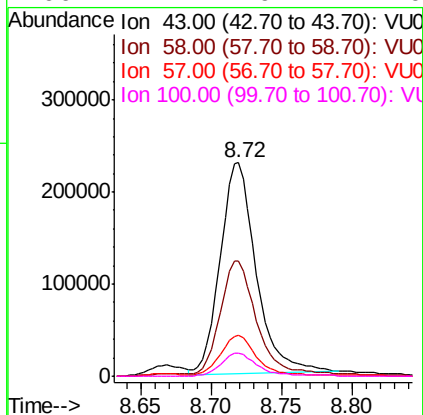
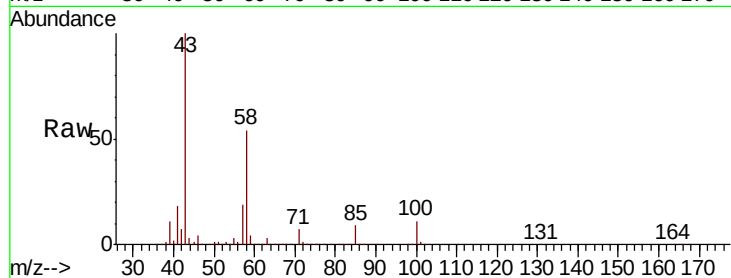




#48
2-Hexanone
Concen: 95.829 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036480.D
Acq: 15 Jan 2020 20:05

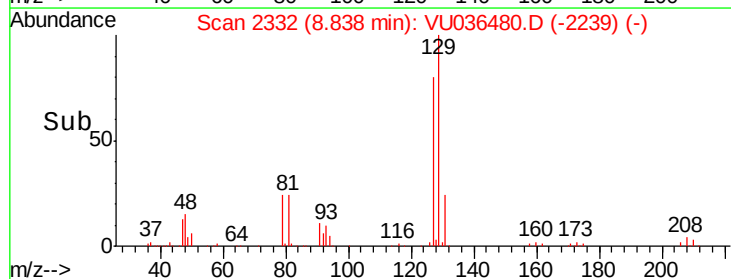
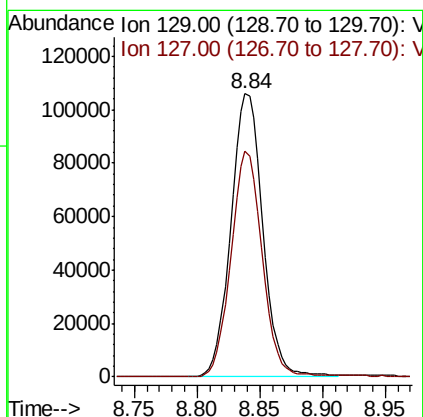
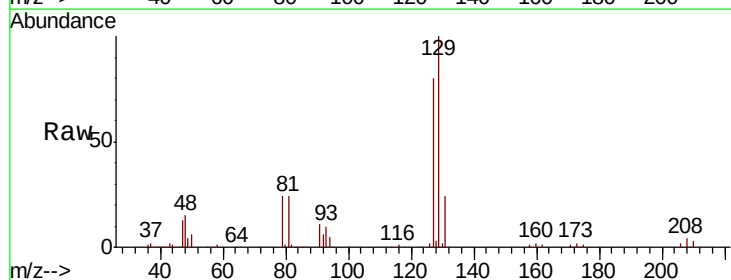
Instrument :
MSVOA_U
ClientSampleId :

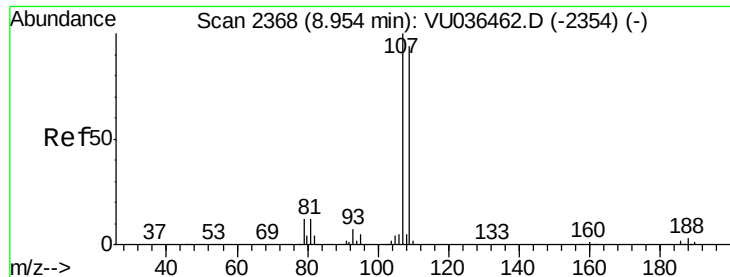
Tot Ion: 43 Resp: 405692
Ion Ratio Lower Upper
43 100
58 56.0 43.7 65.5
57 19.1 14.7 22.1
100 11.4 9.4 14.0



#49
Dibromochloromethane
Concen: 52.933 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU036480.D
Acq: 15 Jan 2020 20:05

Tgt Ion: 129 Resp: 187266
Ion Ratio Lower Upper
129 100
127 79.9 54.7 101.7

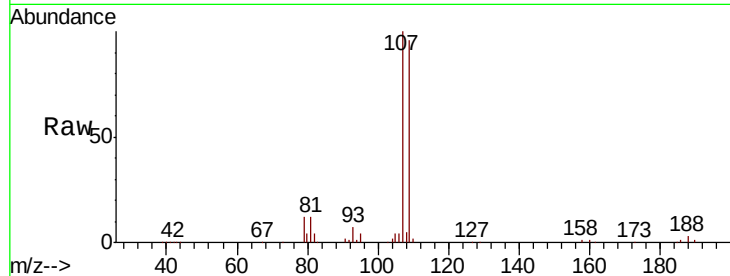




#50
 1,2-Dibromoethane
 Concen: 52.228 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VU036480.D
 Acq: 15 Jan 2020 20:05

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	65.0	120.8
188	2.7	2.6	4.0

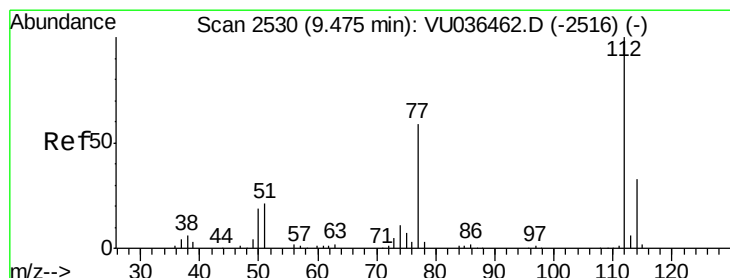
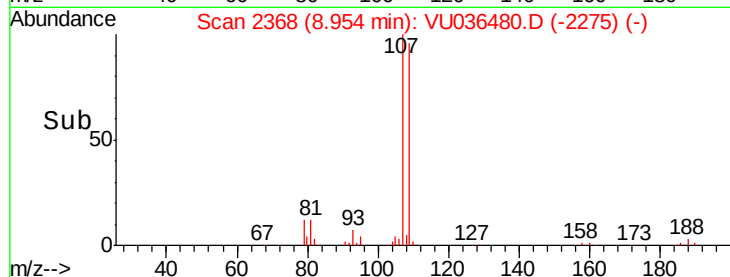
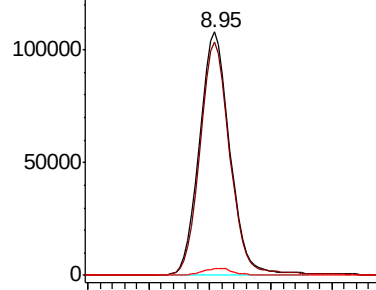


Abundance

Ion 107.00 (106.70 to 107.70): V

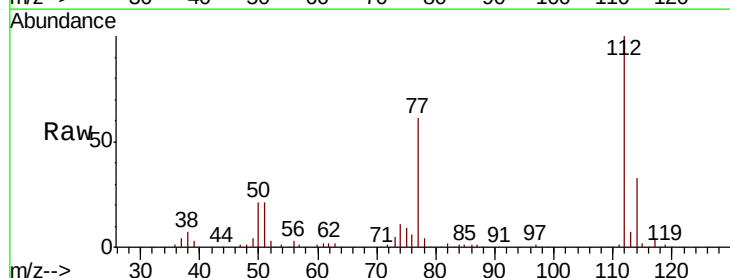
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 50.494 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036480.D
 Acq: 15 Jan 2020 20:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.0	41.0
77	60.7	47.8	71.8

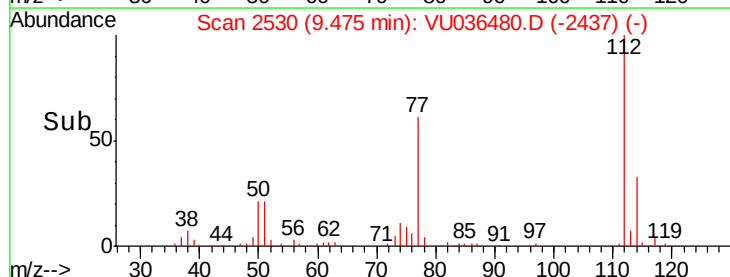
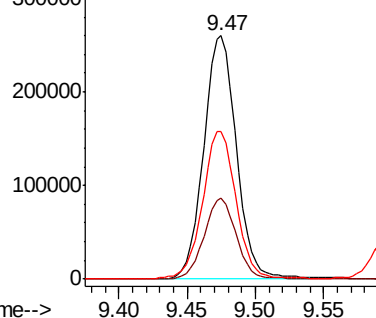


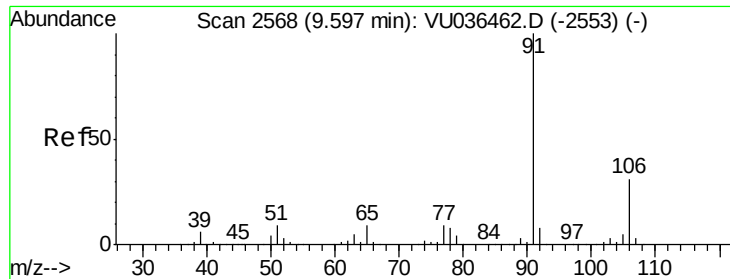
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 49.711 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

Instrument :

MSVOA_U

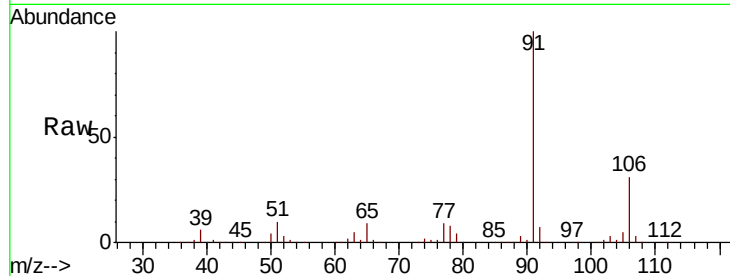
ClientSampleId :

Tot Ion: 91 Resp: 757116

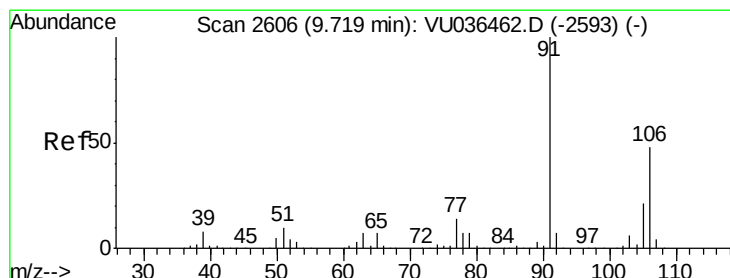
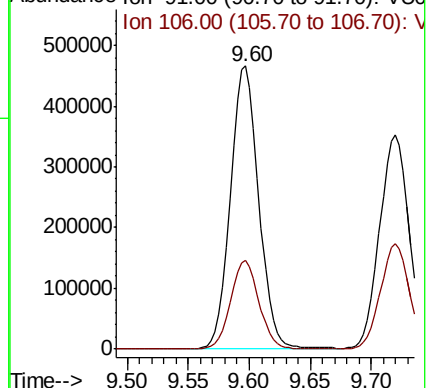
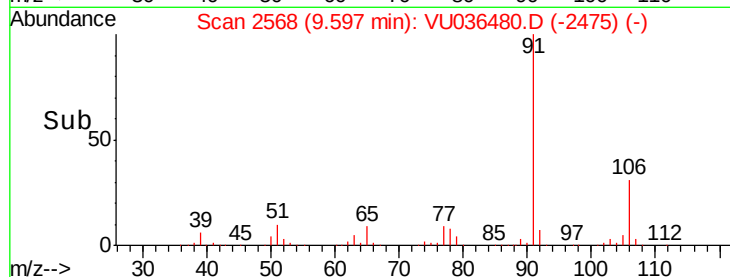
Ion Ratio Lower Upper

91 100

106 31.3 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VU036480.D (-2475) (-)



#53

m,p-Xylene

Concen: 50.340 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036480.D

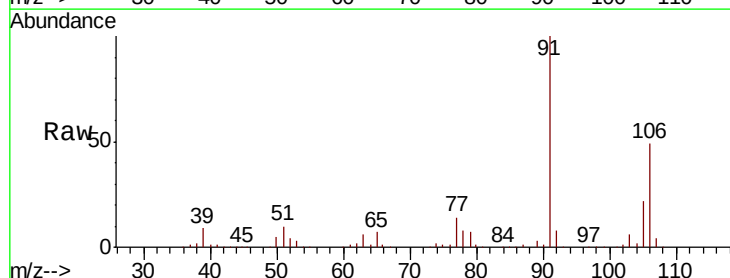
Acq: 15 Jan 2020 20:05

Tgt Ion: 106 Resp: 286710

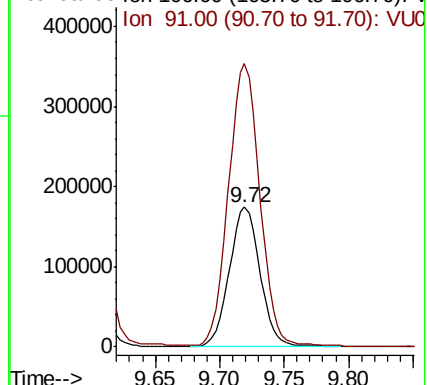
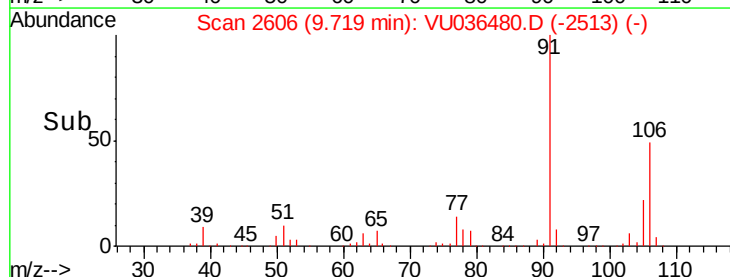
Ion Ratio Lower Upper

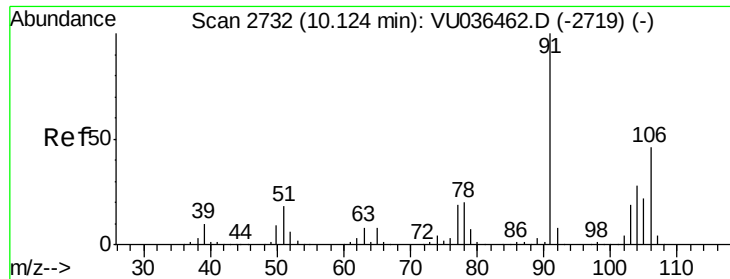
106 100

91 202.3 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036480.D (-2513) (-)





#54

o-xylene

Concen: 49.252 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

Instrument :

MSVOA_U

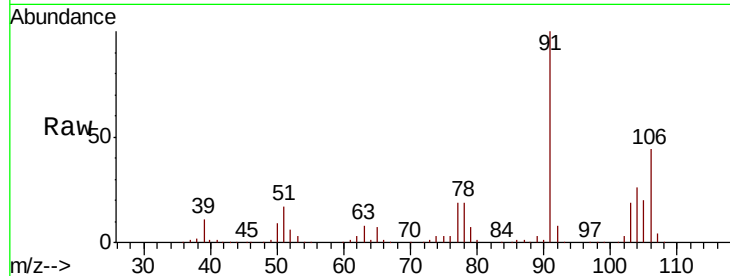
ClientSampled :

Tot Ion:106 Resp: 280039

Ion Ratio Lower Upper

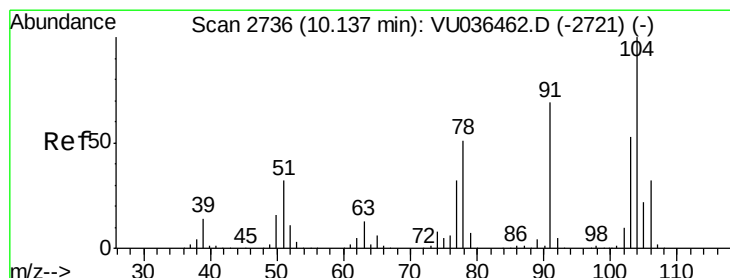
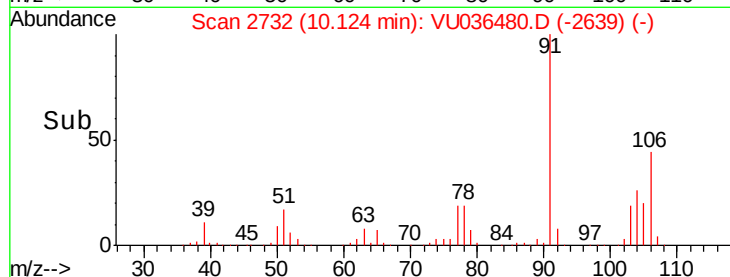
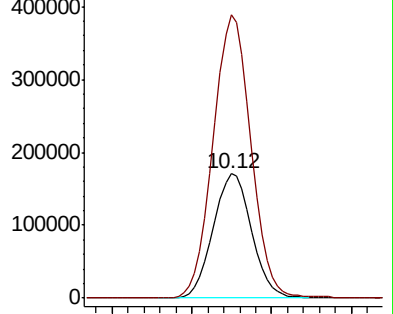
106 100

91 227.3 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.834 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036480.D

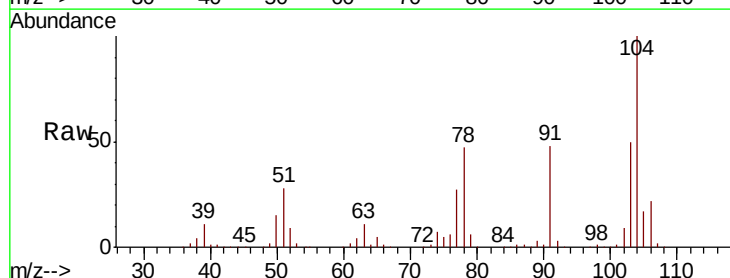
Acq: 15 Jan 2020 20:05

Tgt Ion:104 Resp: 477988

Ion Ratio Lower Upper

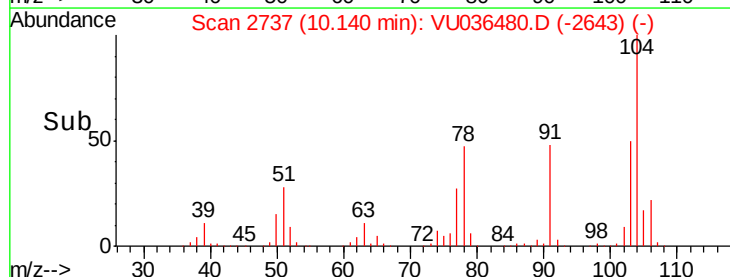
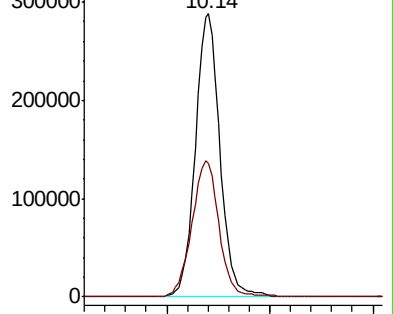
104 100

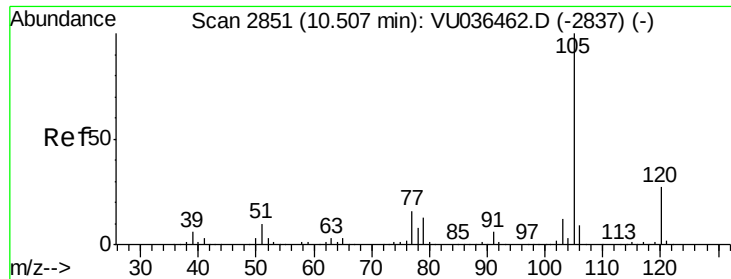
78 47.1 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.569 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

Instrument :

MSVOA_U

ClientSampled :

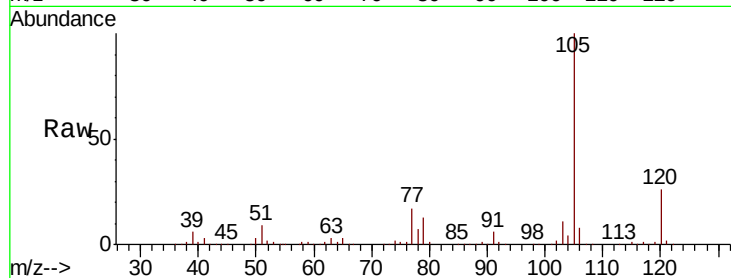
Tot Ion:105 Resp: 723357

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

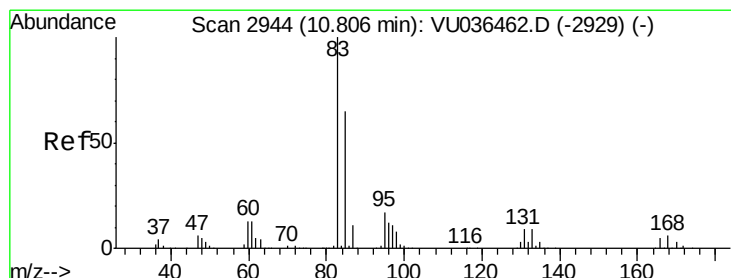
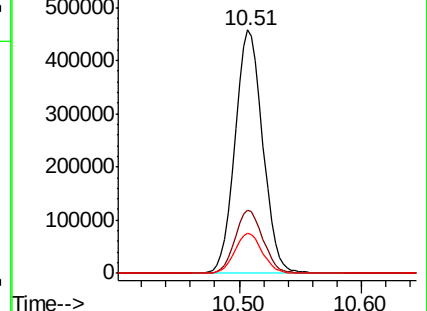
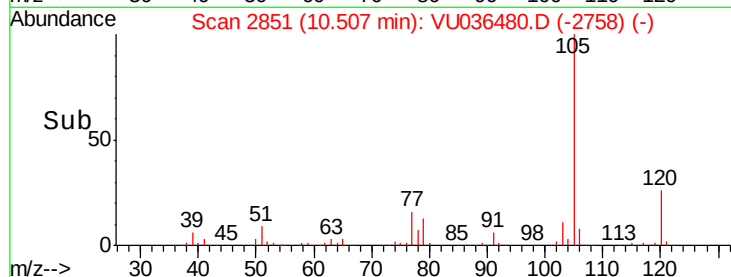
77 16.4 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.343 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

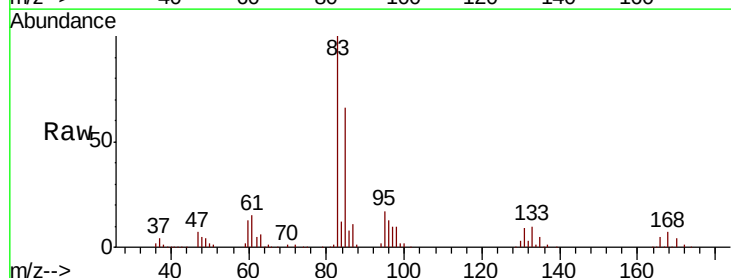
Tgt Ion: 83 Resp: 278439

Ion Ratio Lower Upper

83 100

85 65.9 44.7 82.9

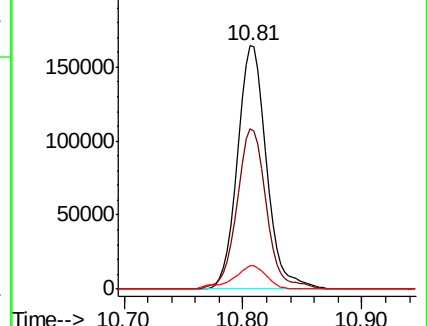
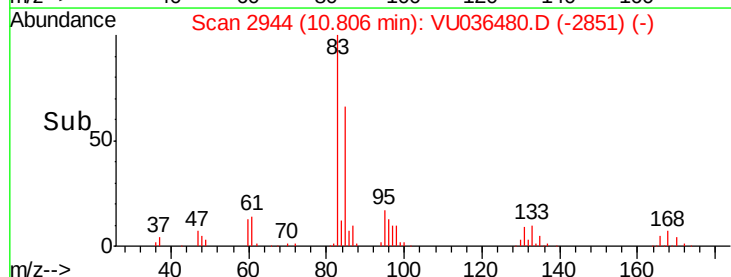
131 9.4 7.0 10.6

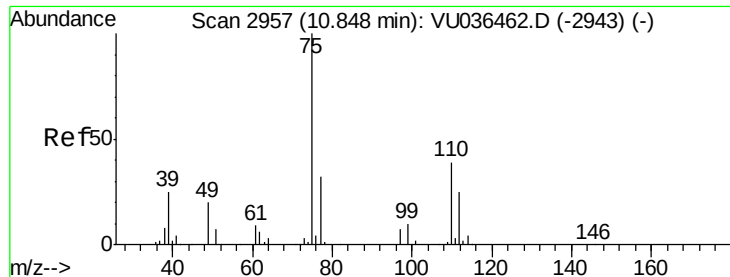


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.846 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

Instrument :

MSVOA_U

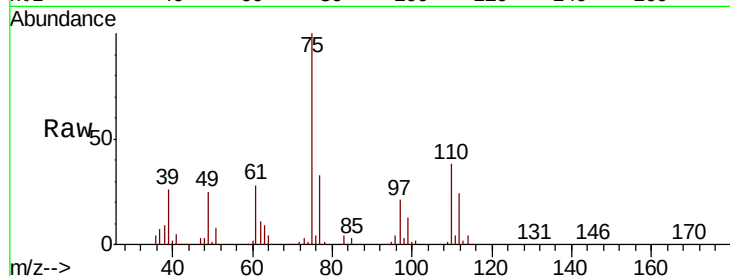
ClientSampleId :

Tot Ion: 75 Resp: 228718

Ion Ratio Lower Upper

75 100

77 33.0 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VU036462.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU036462.D (-2943) (-)

10.85

150000

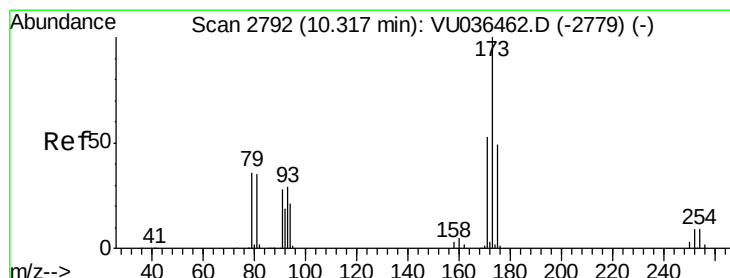
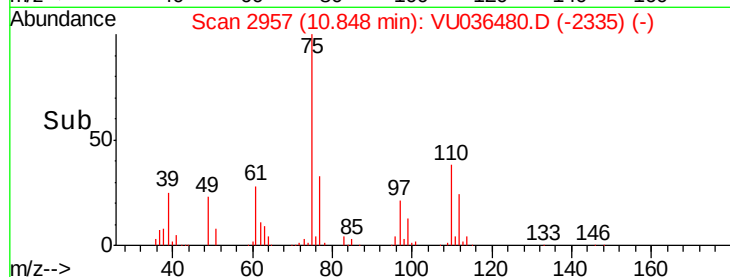
100000

50000

0

Time-->

10.80 10.90



#61

Bromoform

Concen: 48.530 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

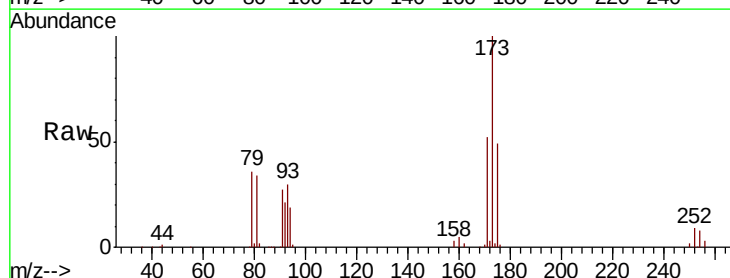
Tgt Ion: 173 Resp: 131519

Ion Ratio Lower Upper

173 100

175 48.6 39.6 59.4

254 8.2 6.3 9.5



Abundance Ion 173.00 (172.70 to 173.70): VU036462.D (-2779) (-)

Ion 175.00 (174.70 to 175.70): VU036462.D (-2779) (-)

Ion 254.00 (253.70 to 254.70): VU036462.D (-2779) (-)

10.32

100000

80000

60000

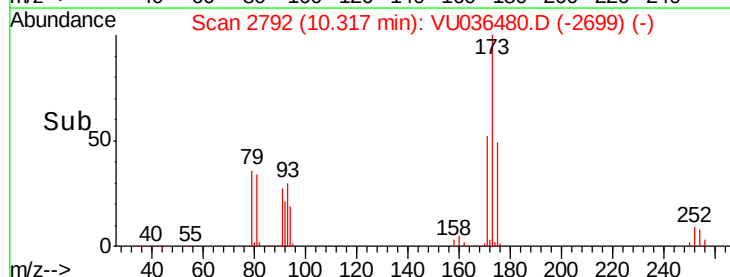
40000

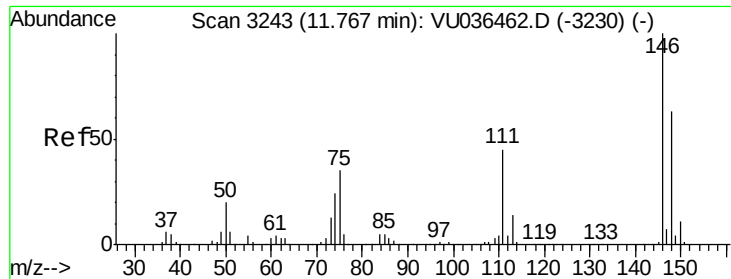
20000

0

Time-->

10.30 10.40

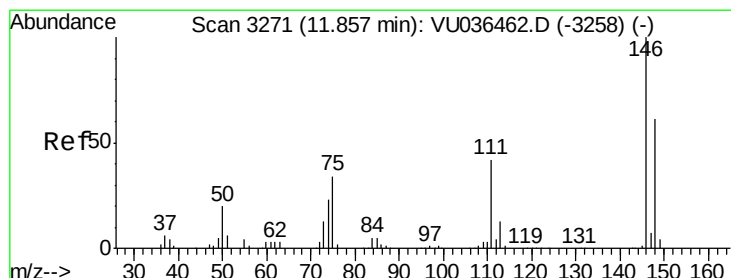
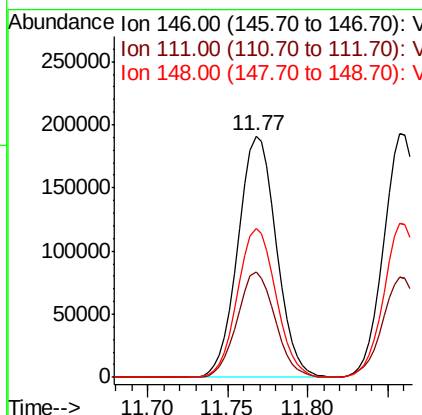
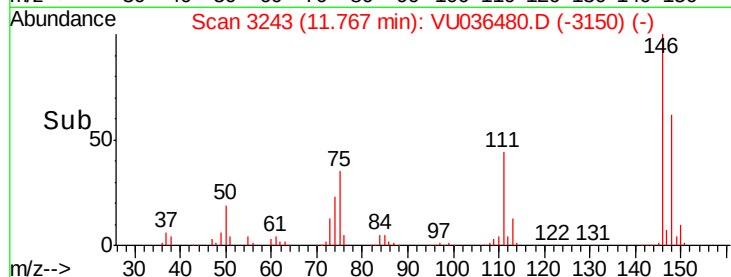
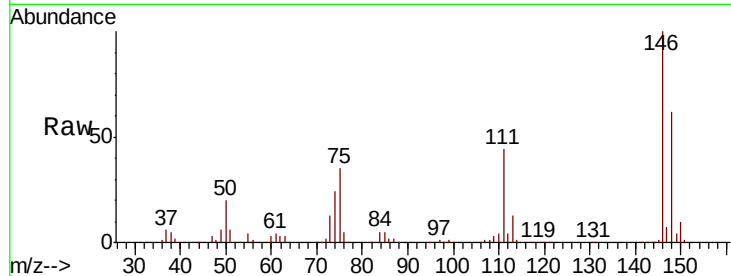




#62
 1,3-Dichlorobenzene
 Concen: 49.873 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036480.D
 Acq: 15 Jan 2020 20:05

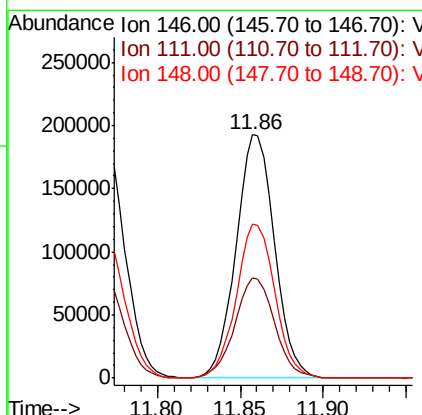
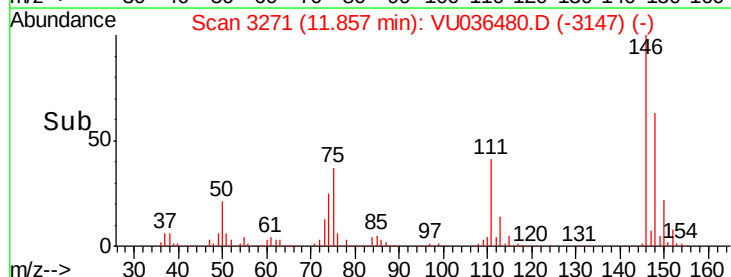
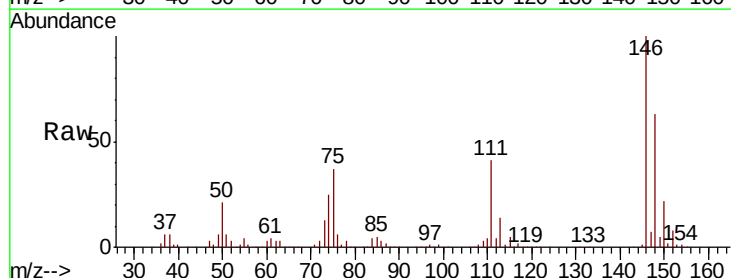
Instrument :
 MSVOA_U
 ClientSampled :

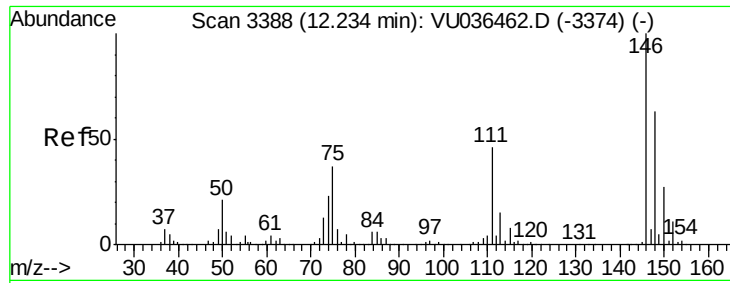
Tot Ion:146 Resp: 312512
 Ion Ratio Lower Upper
 146 100
 111 43.8 31.3 58.1
 148 61.7 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 49.525 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036480.D
 Acq: 15 Jan 2020 20:05

Tgt Ion:146 Resp: 311826
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.3 54.3
 148 63.2 43.8 81.3

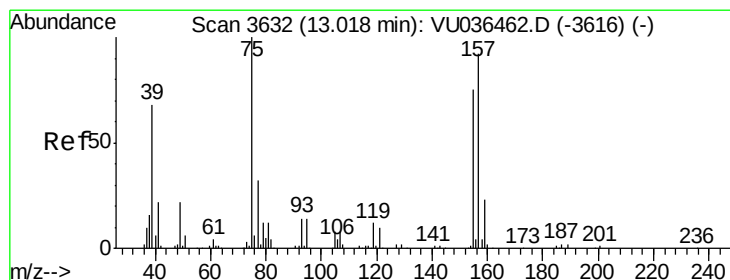
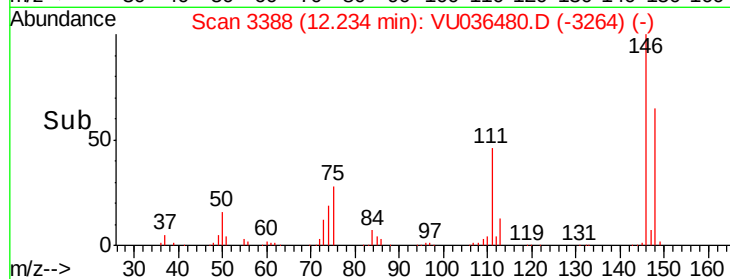
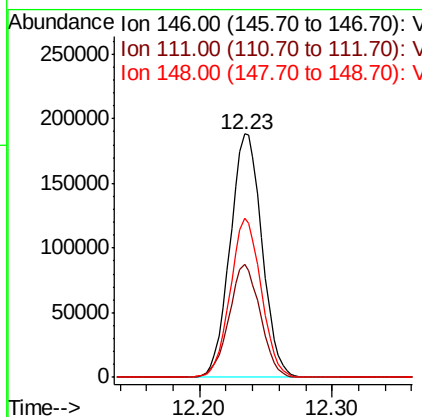
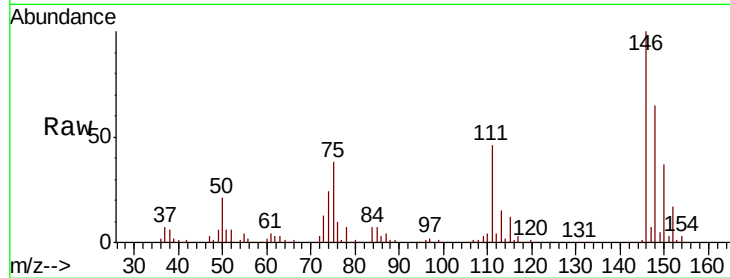




#65
 1,2-Dichlorobenzene
 Concen: 50.748 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036480.D
 Acq: 15 Jan 2020 20:05

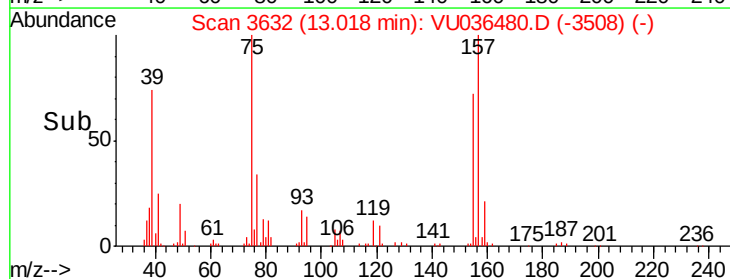
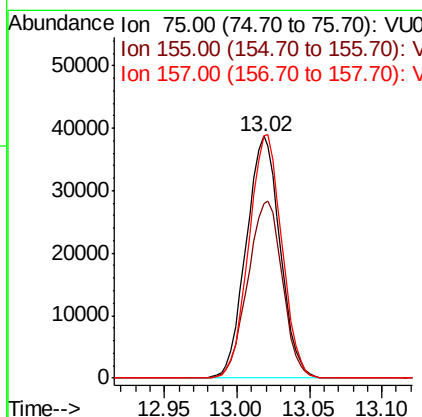
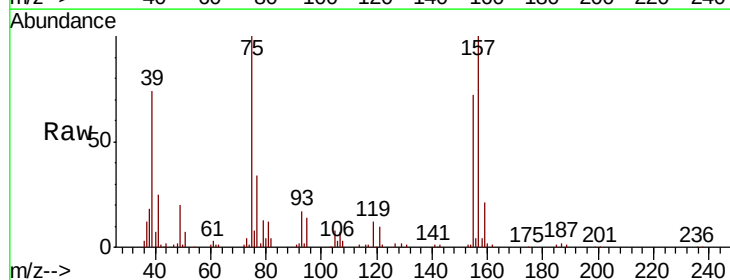
Instrument :
 MSVOA_U
 ClientSampleId :

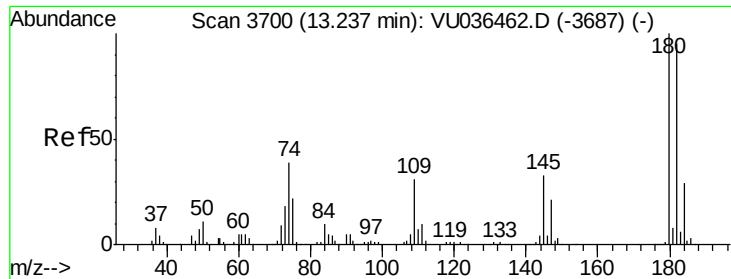
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.4	37.0	55.4
148	65.2	52.3	78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.347 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036480.D
 Acq: 15 Jan 2020 20:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.1	59.1	88.7
157	99.9	72.7	109.1

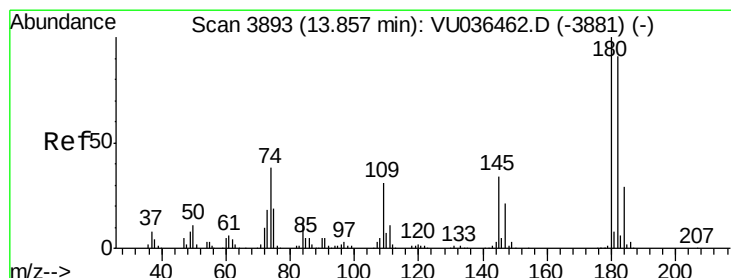
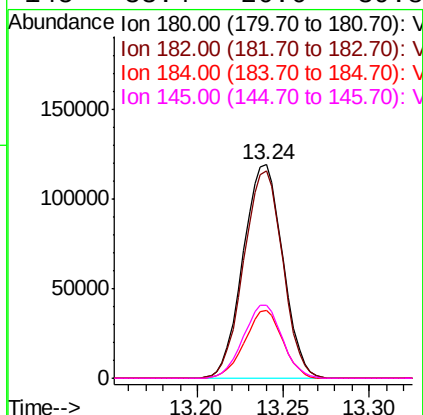
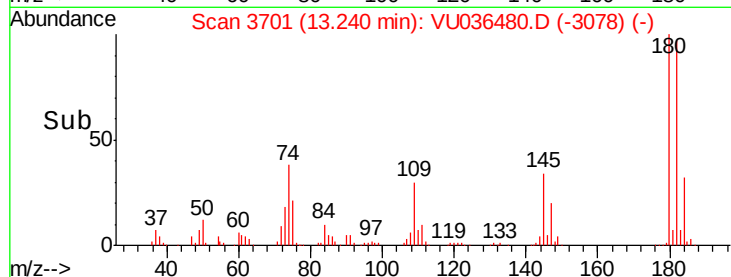
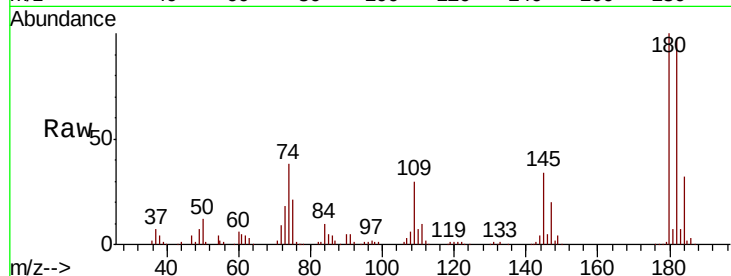




#67
 1,3,5-Trichlorobenzene
 Concen: 50.411 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036480.D
 Acq: 15 Jan 2020 20:05

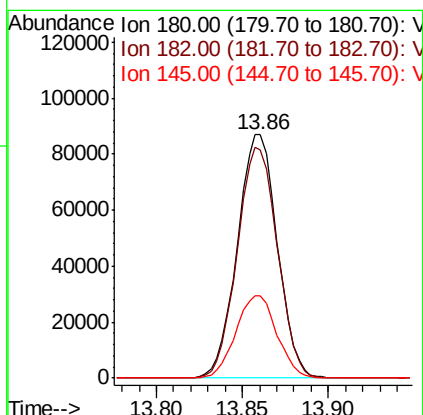
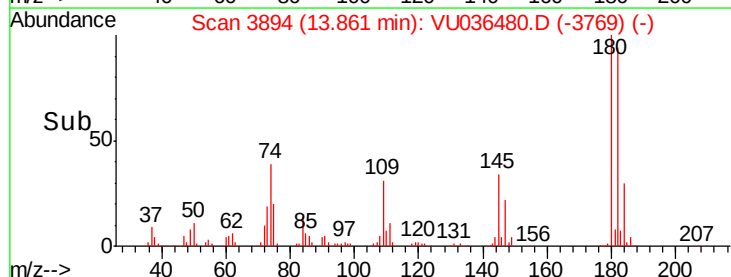
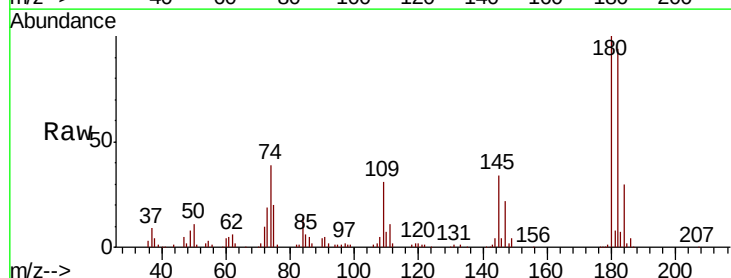
Instrument :
 MSVOA_U
 ClientSampleId :

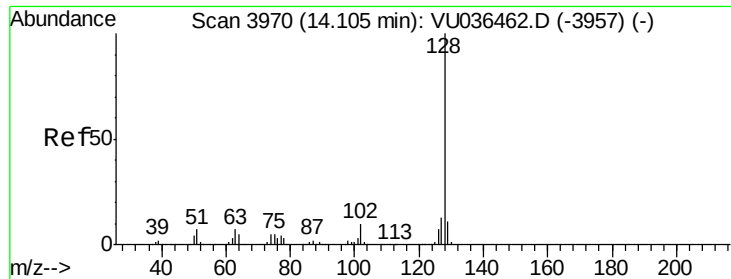
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.8	113.6
184	30.4	24.4	36.6
145	33.4	26.6	39.8



#68
 1,2,4-trichlorobenzene
 Concen: 50.202 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036480.D
 Acq: 15 Jan 2020 20:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	74.1	111.1
145	34.5	26.6	40.0





#69

Naphthalene

Concen: 49.929 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

Instrument :

MSVOA_U

ClientSampleId :

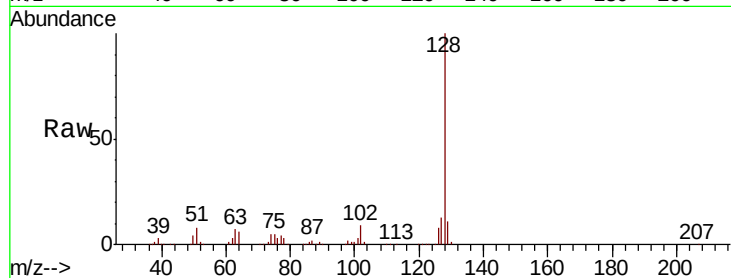
Tot Ion:128 Resp: 471120

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

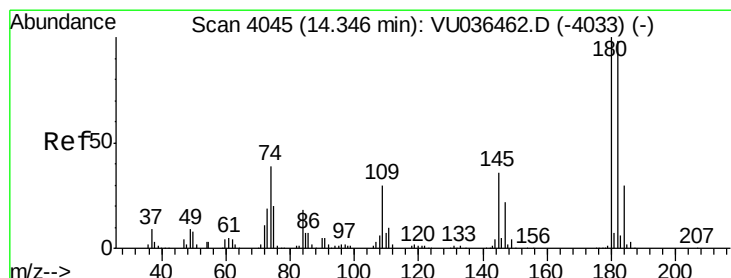
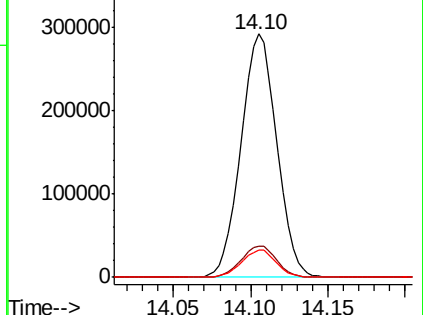
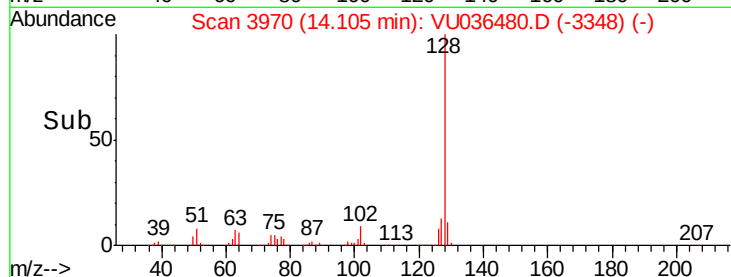
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.068 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. 0.00 min

Lab File: VU036480.D

Acq: 15 Jan 2020 20:05

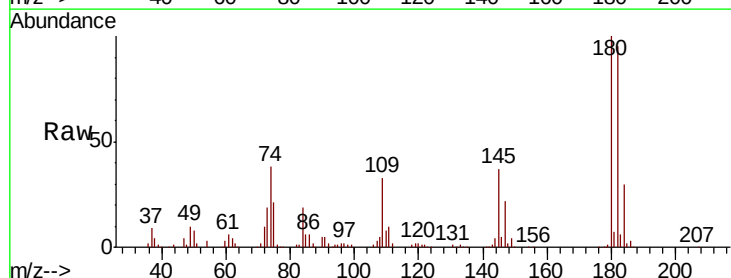
Tgt Ion:180 Resp: 147939

Ion Ratio Lower Upper

180 100

182 95.1 77.1 115.7

145 36.2 29.2 43.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

