

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\
 Data File : VU036460.D
 Acq On : 14 Jan 2020 23:39
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 00:45:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 00:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	474545	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	453392	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	202428	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	177199	57.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	115.18%
7) Chloroethane-d5	1.93	69	149486	56.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.26%
11) 1,1-Dichloroethene-d2	2.59	63	325273	55.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.12%
21) 2-Butanone-d5	4.68	46	273039	103.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.22%
24) Chloroform-d	5.11	84	334723	54.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.30%
26) 1,2-Dichloroethane-d4	5.75	65	223514	54.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.78%
32) Benzene-d6	5.77	84	652797	55.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.10%
36) 1,2-Dichloropropane-d6	6.73	67	214259	55.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.12%
41) Toluene-d8	7.93	98	611563	54.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.06%
43) trans-1,3-Dichloropropene-	8.21	79	112666	54.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.46%
47) 2-Hexanone-d5	8.67	63	212025	107.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.29%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	309908	53.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.86%
64) 1,2-Dichlorobenzene-d4	12.21	152	215641	54.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	214021	48.666	ug/L 99
3) Chloromethane	1.54	50	188947	47.714	ug/L 99
5) Vinyl chloride	1.62	62	195484	49.734	ug/L 98
6) Bromomethane	1.87	94	119656	50.061	ug/L 97
8) Chloroethane	1.95	64	112582	48.419	ug/L 98
9) Trichlorofluoromethane	2.16	101	266275	49.738	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	142750	50.433	ug/L 99
12) 1,1-Dichloroethene	2.61	96	139697	49.807	ug/L 93
13) Acetone	2.66	43	176755	61.742	ug/L 99
14) Carbon disulfide	2.82	76	445699	49.132	ug/L 99
15) Methyl Acetate	2.99	43	192414	50.260	ug/L 99
16) Methylene chloride	3.08	84	168763	48.906	ug/L 95
17) trans-1,2-Dichloroethene	3.39	96	150177	48.838	ug/L 96
18) Methyl tert-butyl Ether	3.41	73	537668	51.309	ug/L 99
19) 1,1-Dichloroethane	3.92	63	293807	50.611	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	179168	50.820	ug/L 99
22) 2-Butanone	4.76	43	281688	86.706	ug/L 99

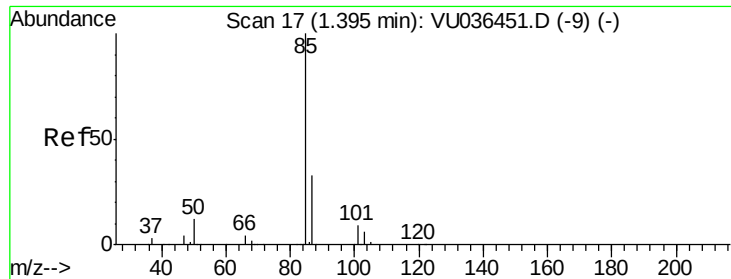
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\
 Data File : VU036460.D
 Acq On : 14 Jan 2020 23:39
 Operator : JC/MD
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Instrument :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 00:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	87968	51.648	ug/L	98
25) Chloroform	5.13	83	315346	50.936	ug/L	100
27) 1,2-Dichloroethane	5.84	62	254171	51.835	ug/L	98
29) Cyclohexane	5.43	56	271161	49.865	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	274623	51.000	ug/L	100
31) Carbon tetrachloride	5.56	117	239671	51.932	ug/L	97
33) Benzene	5.82	78	660841	50.725	ug/L	100
34) Trichloroethene	6.58	95	180999	51.451	ug/L	98
35) Methylcyclohexane	6.80	83	272908	50.388	ug/L	99
37) 1,2-Dichloropropane	6.83	63	173513	50.252	ug/L	99
38) Bromodichloromethane	7.14	83	238640	50.220	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	287900	51.504	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	550160	99.046	ug/L	100
42) Toluene	8.00	91	706899	49.957	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	257277	49.686	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	167906	50.875	ug/L	96
46) Tetrachloroethene	8.58	164	120551	50.944	ug/L	94
48) 2-Hexanone	8.72	43	431670	98.260	ug/L	96
49) Dibromochloromethane	8.84	129	189956	51.742	ug/L	99
50) 1,2-Dibromoethane	8.95	107	190719	50.977	ug/L	99
51) Chlorobenzene	9.47	112	448040	50.354	ug/L	99
52) Ethylbenzene	9.60	91	791178	50.060	ug/L	98
53) m,p-Xylene	9.72	106	298129	50.443	ug/L	95
54) o-xylene	10.13	106	292967	49.654	ug/L	95
55) Styrene	10.14	104	490430	51.251	ug/L	99
56) Isopropylbenzene	10.51	105	761074	50.258	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	277732	48.391	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	236037	49.572	ug/L	98
61) Bromoform	10.32	173	135538	49.166	ug/L	96
62) 1,3-Dichlorobenzene	11.77	146	313242	49.142	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	308370	48.146	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	315288	50.146	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	65465	47.348	ug/L	91
67) 1,3,5-Trichlorobenzene	13.24	180	185550	48.138	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	134273	47.270	ug/L	97
69) Naphthalene	14.10	128	432060	45.013	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	143140	48.574	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 48.666 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

Instrument :

MSVOA_U

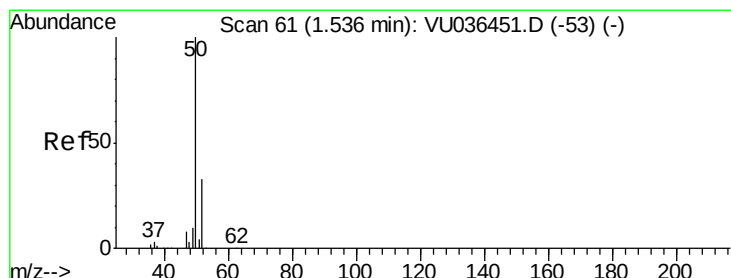
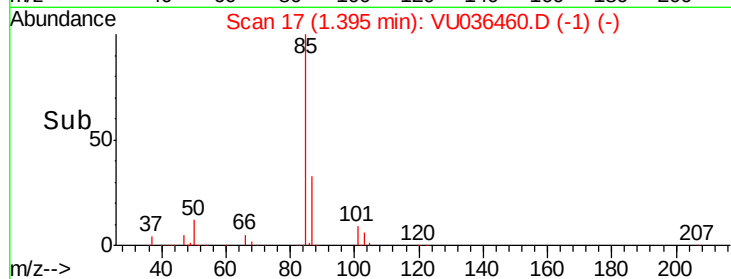
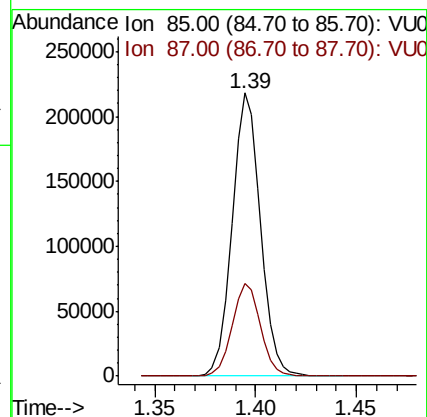
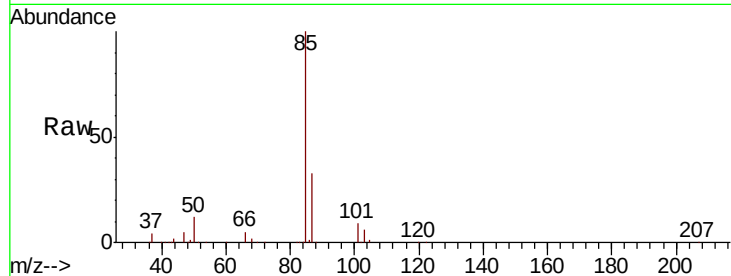
ClientSampleId :

Tot Ion: 85 Resp: 214021

Ion Ratio Lower Upper

85 100

87 32.8 25.8 38.8



#3

Chloromethane

Concen: 47.714 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036460.D

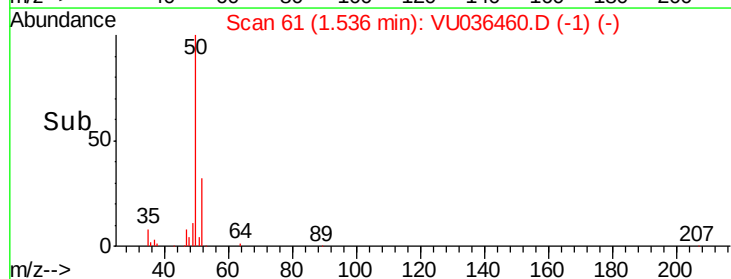
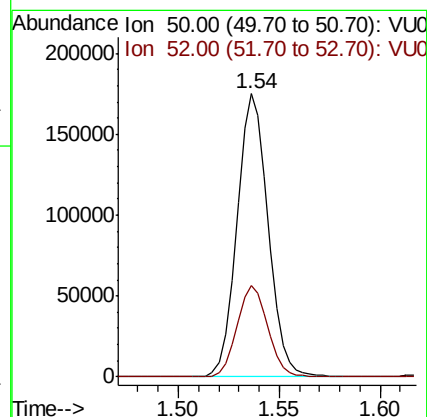
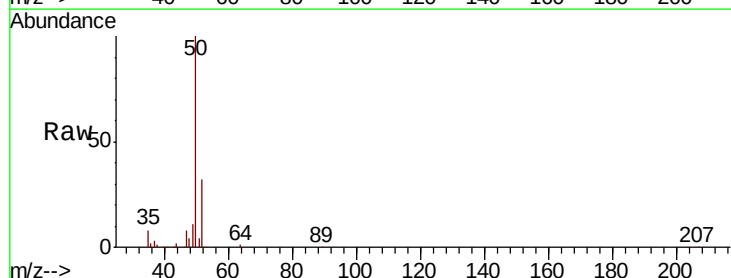
Acq: 14 Jan 2020 23:39

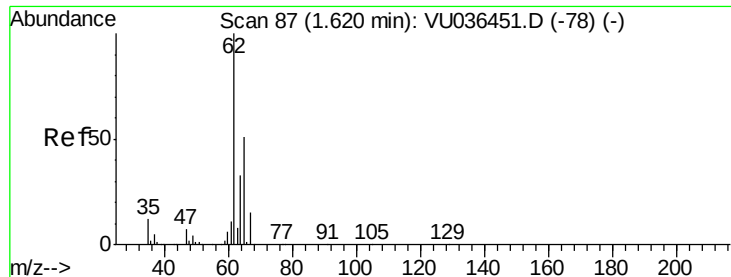
Tgt Ion: 50 Resp: 188947

Ion Ratio Lower Upper

50 100

52 32.1 22.8 42.4





#5

Vinyl chloride

Concen: 49.734 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

Instrument :

MSVOA_U

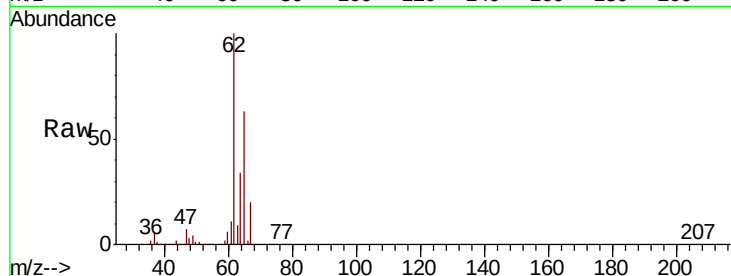
ClientSampled :

Tot Ion: 62 Resp: 195484

Ion Ratio Lower Upper

62 100

64 33.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU036460.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU036460.D (-1) (-)

1.62

200000

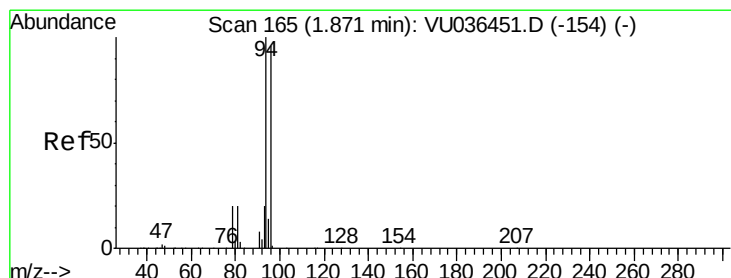
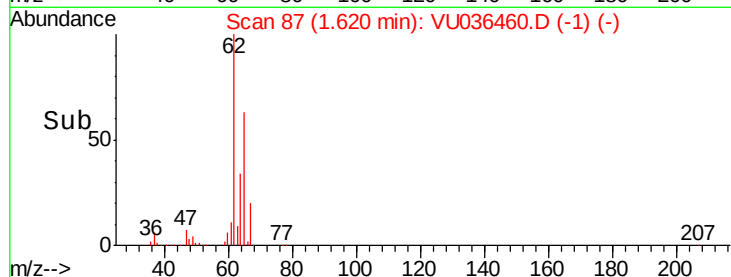
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 50.061 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036460.D

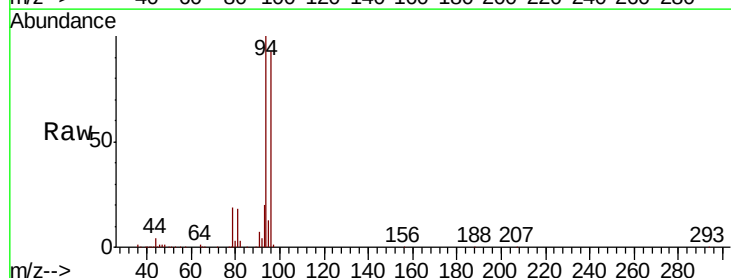
Acq: 14 Jan 2020 23:39

Tgt Ion: 94 Resp: 119656

Ion Ratio Lower Upper

94 100

96 92.6 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VU036460.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU036460.D (-72) (-)

1.87

100000

80000

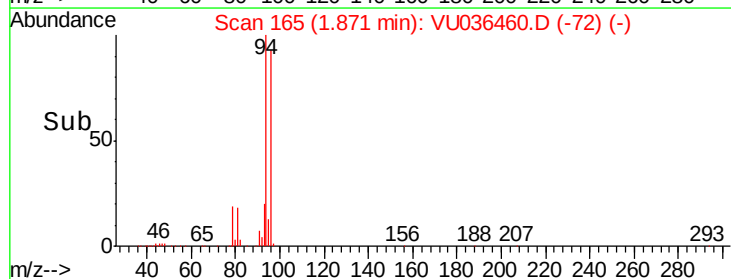
60000

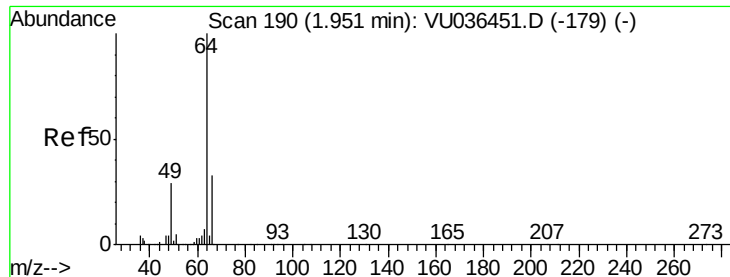
40000

20000

0

Time--> 1.80 1.85 1.90





#8

Chloroethane

Concen: 48.419 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

Instrument :

MSVOA_U

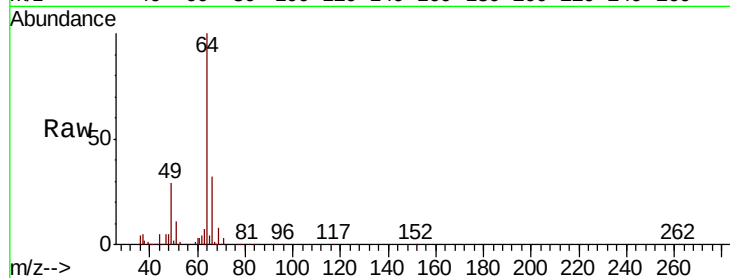
ClientSampleId :

Tot Ion: 64 Resp: 112582

Ion Ratio Lower Upper

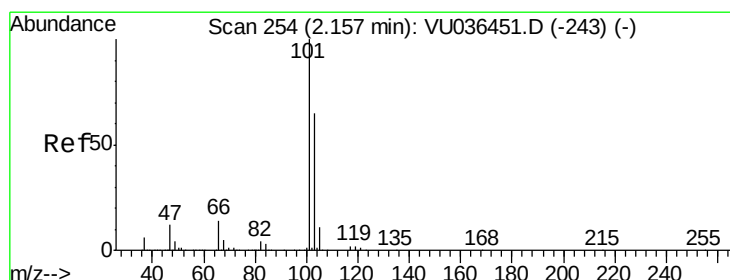
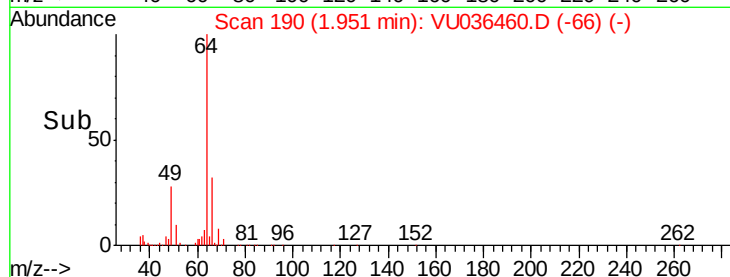
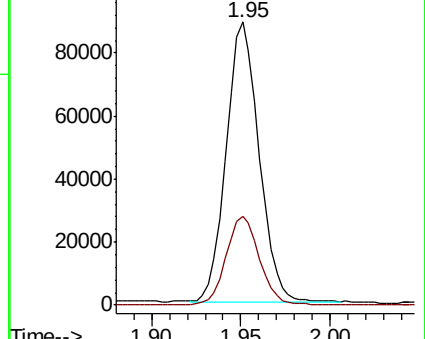
64 100

66 31.6 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VU036460.D (-66) (-)

Ion 66.00 (65.70 to 66.70): VU036460.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 49.738 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036460.D

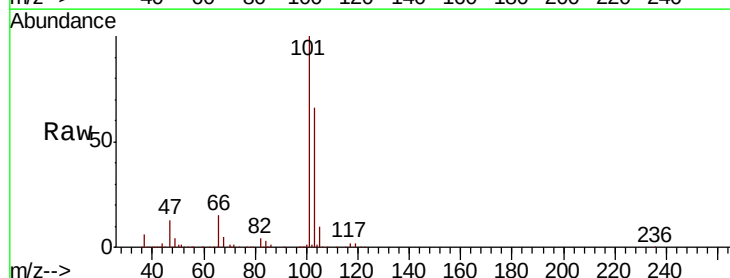
Acq: 14 Jan 2020 23:39

Tgt Ion: 101 Resp: 266275

Ion Ratio Lower Upper

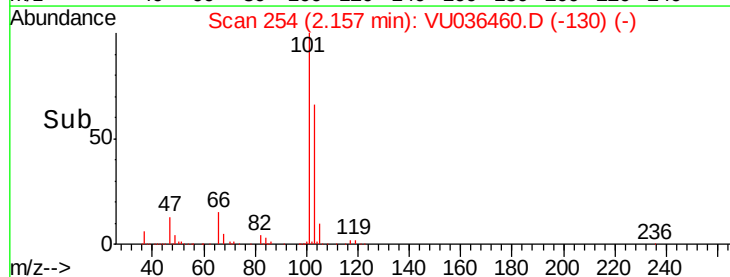
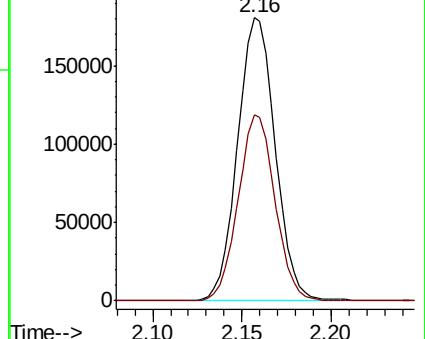
101 100

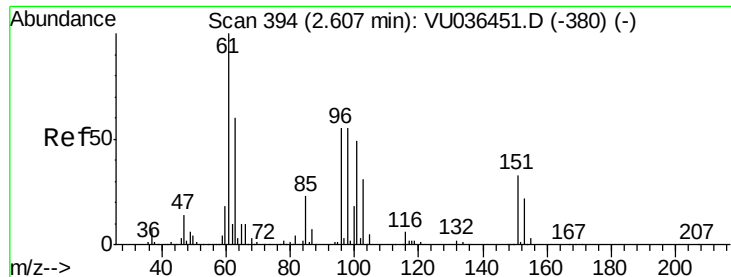
103 64.4 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VU036460.D (-130) (-)

Ion 103.00 (102.70 to 103.70): VU036460.D (-130) (-)





#10

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

Concen: 50.433 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

Instrument :

MSVOA_U

ClientSampleId :

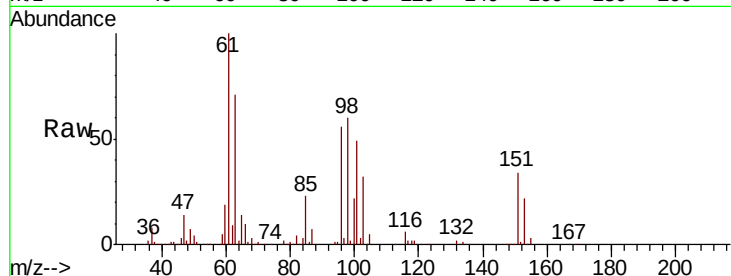
Tot Ion:101 Resp: 142750

Ion Ratio Lower Upper

101 100

85 45.4 36.7 55.1

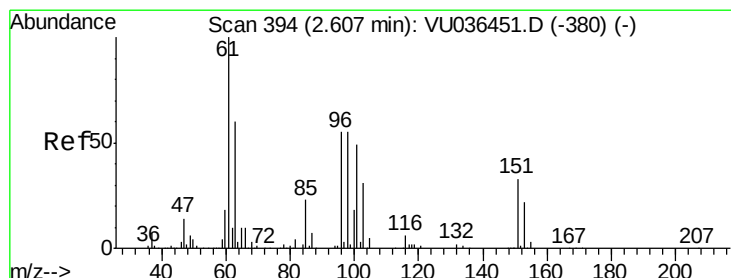
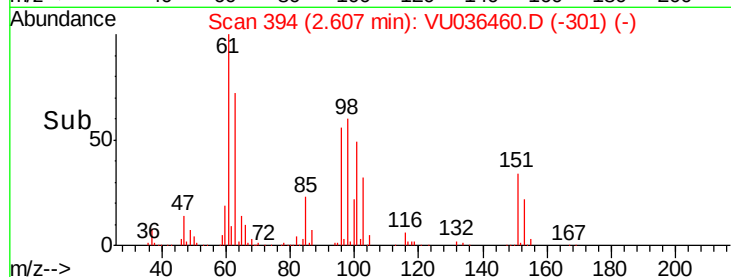
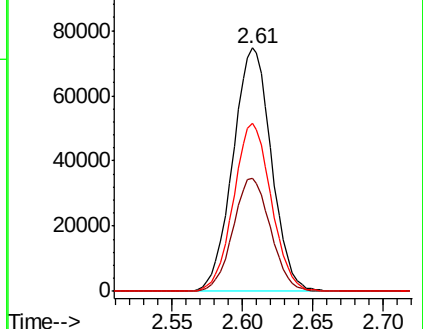
151 67.7 53.3 79.9



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: 49.807 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

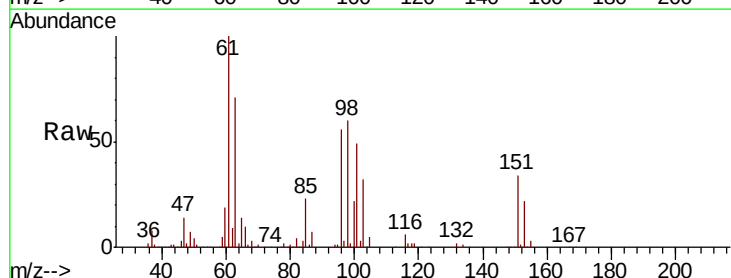
Tgt Ion: 96 Resp: 139697

Ion Ratio Lower Upper

96 100

61 179.2 128.2 238.2

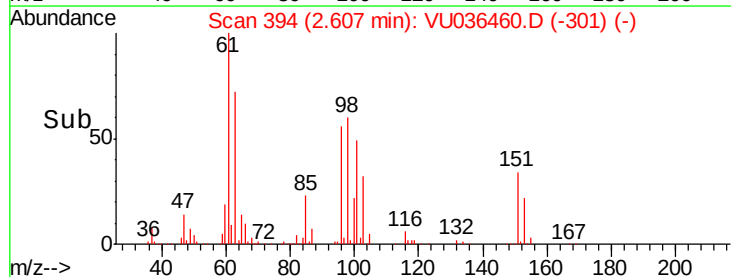
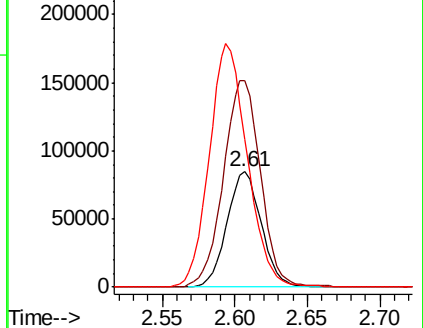
63 128.0 79.1 146.9

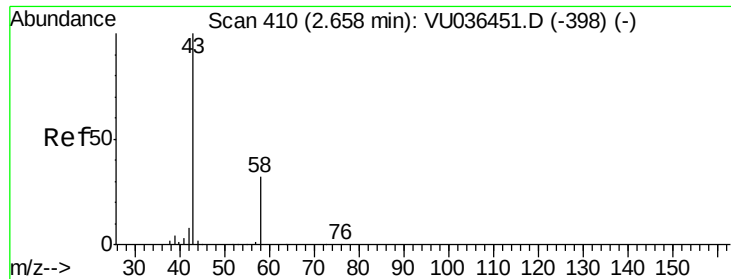


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 61.742 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

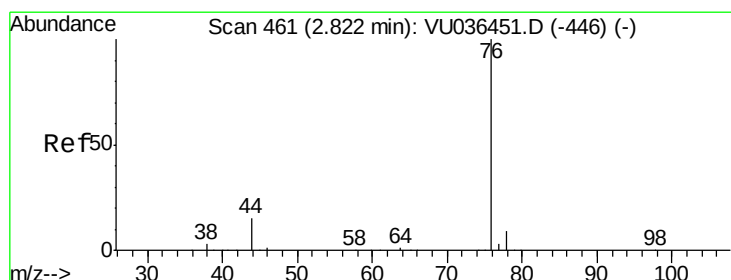
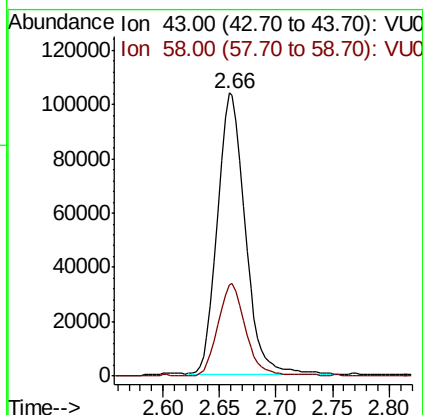
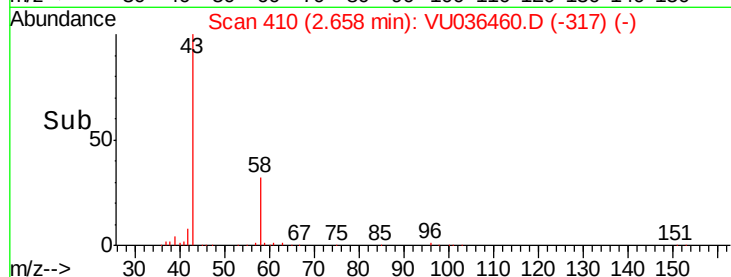
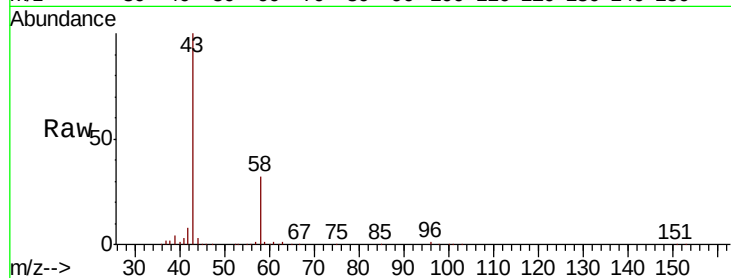
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 176755

Ion Ratio Lower Upper

43 100

58 33.0 0.0 65.0



#14

Carbon disulfide

Concen: 49.132 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036460.D

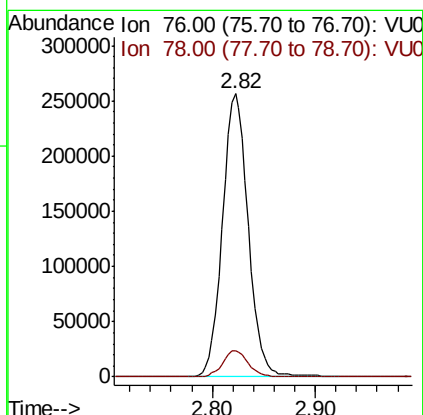
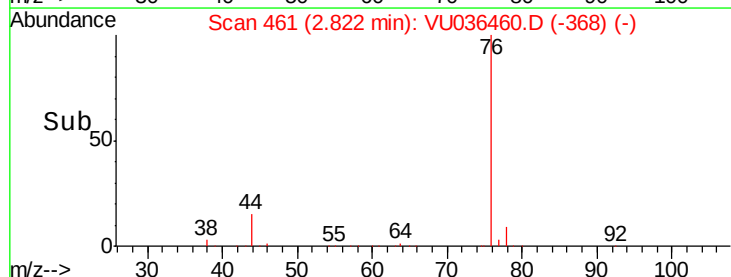
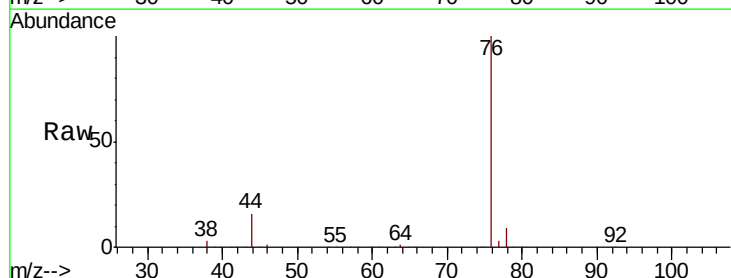
Acq: 14 Jan 2020 23:39

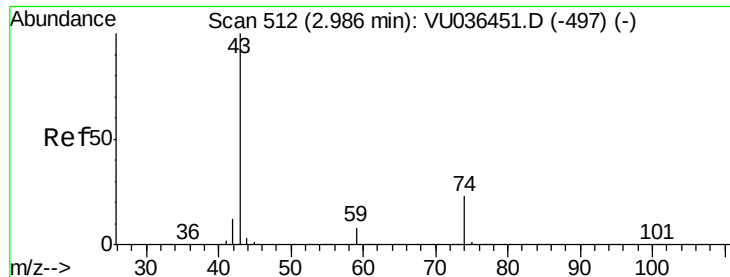
Tgt Ion: 76 Resp: 445699

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

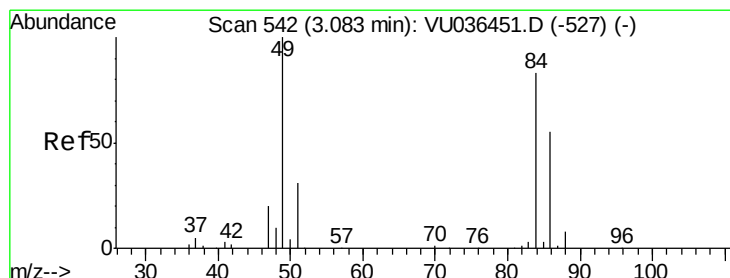
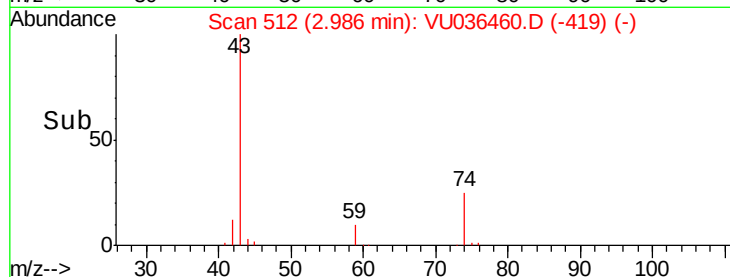
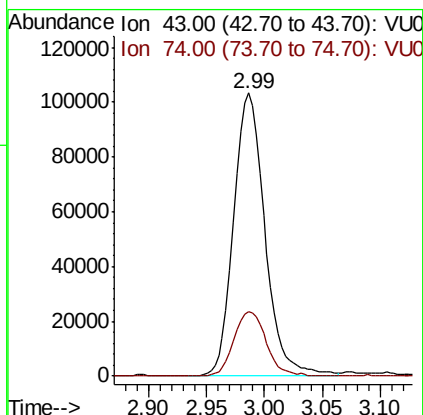
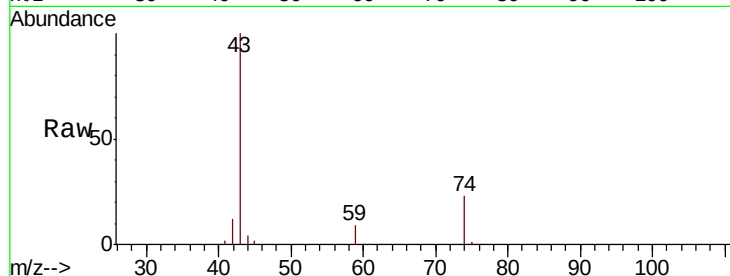




#15
Methvl Acetate
Concen: 50.260 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU036460.D
Acq: 14 Jan 2020 23:39

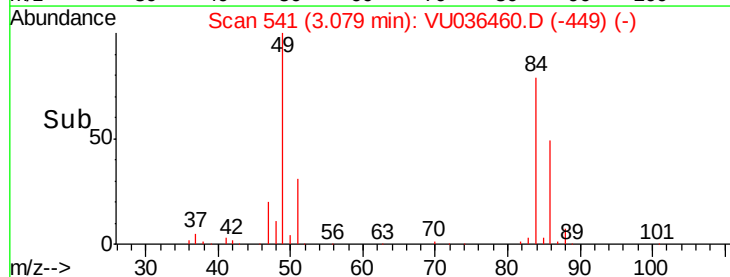
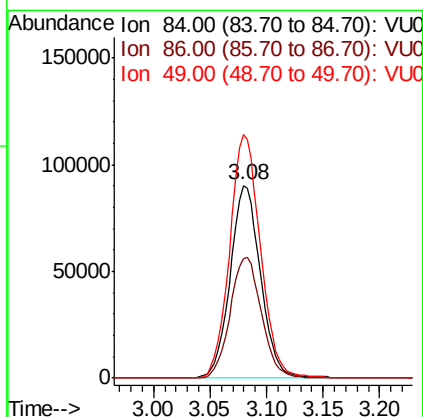
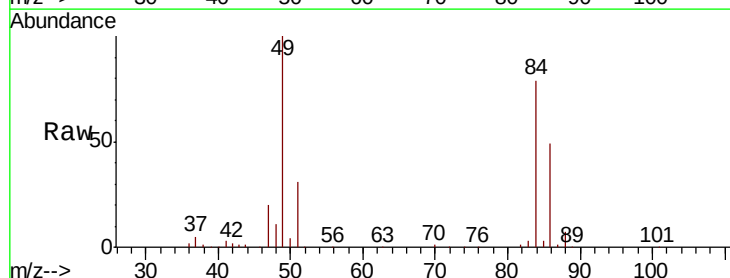
Instrument :
MSVOA_U
ClientSampleId :

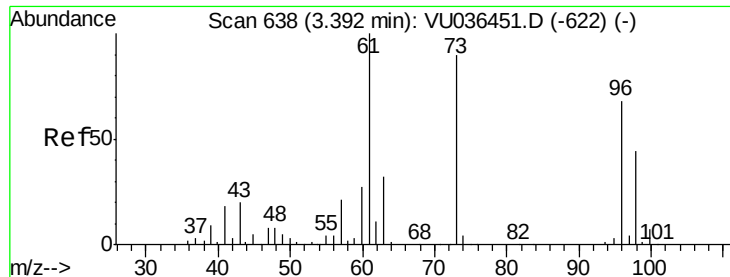
Tot Ion: 43 Resp: 192414
Ion Ratio Lower Upper
43 100
74 23.4 19.0 28.4



#16
Methylene chloride
Concen: 48.906 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036460.D
Acq: 14 Jan 2020 23:39

Tgt Ion: 84 Resp: 168763
Ion Ratio Lower Upper
84 100
86 62.1 46.4 86.2
49 126.5 84.5 156.9

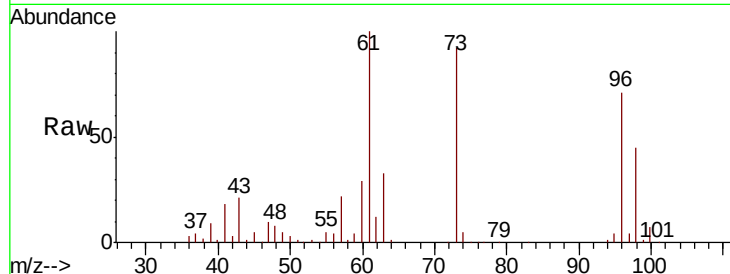




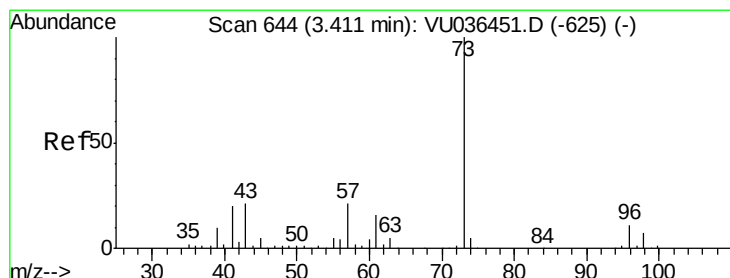
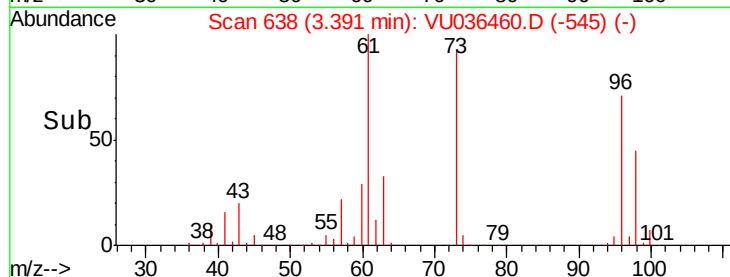
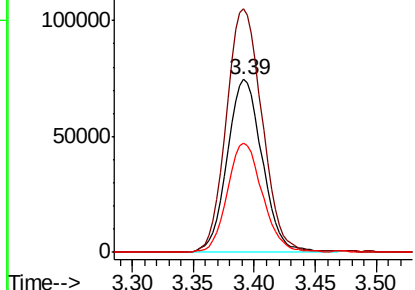
#17
trans-1,2-Dichloroethene
Concen: 48.838 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU036460.D
Acq: 14 Jan 2020 23:39

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 150177
Ion Ratio Lower Upper
96 100
61 141.1 102.8 191.0
98 63.0 44.9 83.5

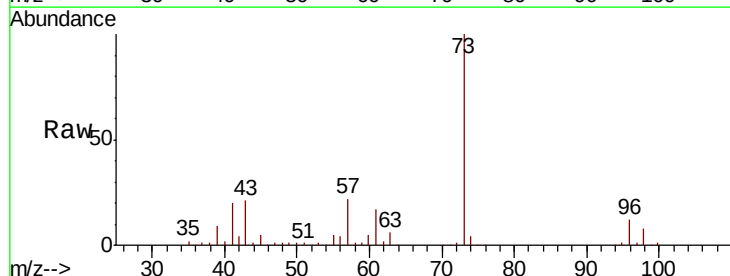


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

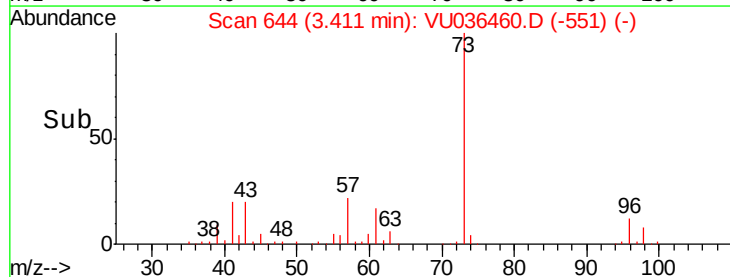
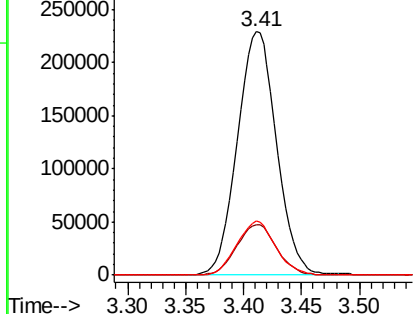


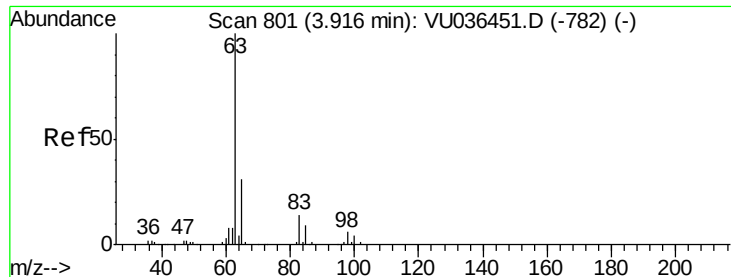
#18
Methyl tert-butyl Ether
Concen: 51.309 ug/L
RT: 3.41 min Scan# 644
Delta R.T. -0.00 min
Lab File: VU036460.D
Acq: 14 Jan 2020 23:39

Tgt Ion: 73 Resp: 537668
Ion Ratio Lower Upper
73 100
43 20.9 16.6 25.0
57 21.8 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: 50.611 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

Instrument :

MSVOA_U

ClientSampleId :

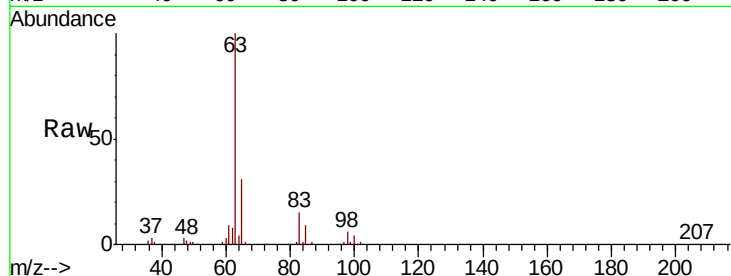
Tot Ion: 63 Resp: 293807

Ion Ratio Lower Upper

63 100

65 31.2 21.8 40.4

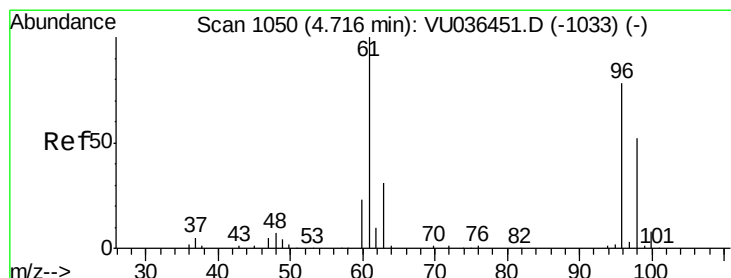
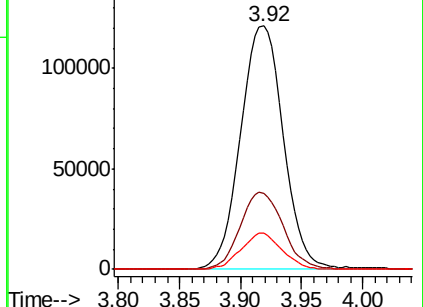
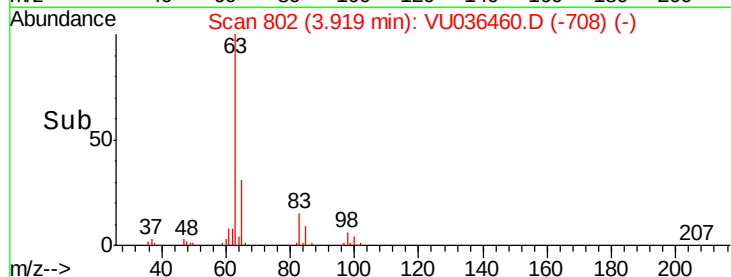
83 14.8 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VU036460.D (-957) (-)

Ion 65.00 (64.70 to 65.70): VU036460.D (-957) (-)

Ion 83.00 (82.70 to 83.70): VU036460.D (-957) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.820 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

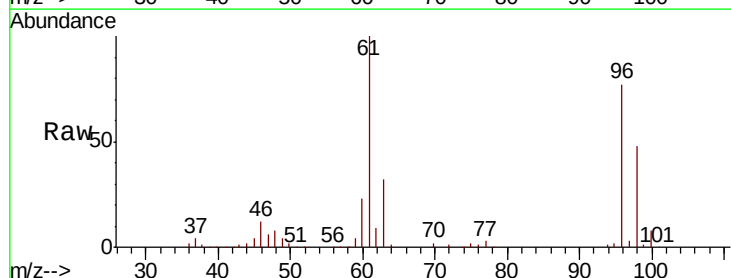
Tgt Ion: 96 Resp: 179168

Ion Ratio Lower Upper

96 100

61 129.3 89.5 166.3

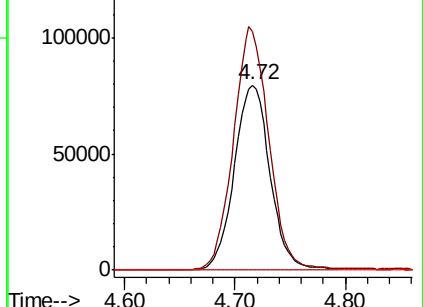
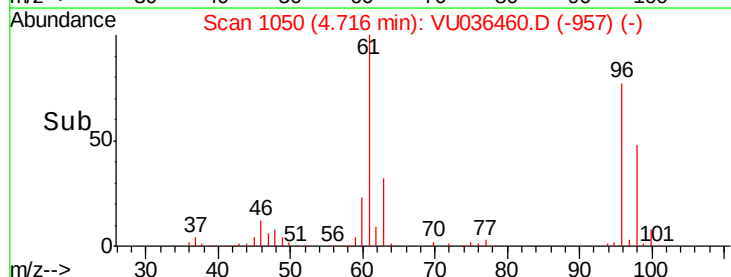
68 0.0 0.0 0.0

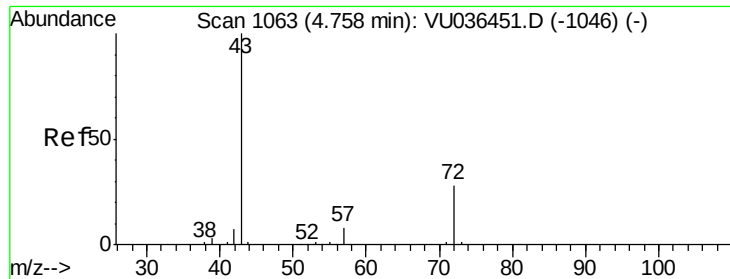


Abundance Ion 96.00 (95.70 to 96.70): VU036460.D (-957) (-)

Ion 61.00 (60.70 to 61.70): VU036460.D (-957) (-)

Ion 68.00 (67.70 to 68.70): VU036460.D (-957) (-)





#22

2-Butanone

Concen: 86.706 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

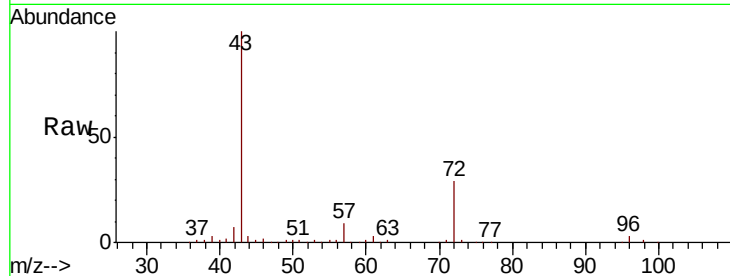
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 281688

Ion Ratio Lower Upper

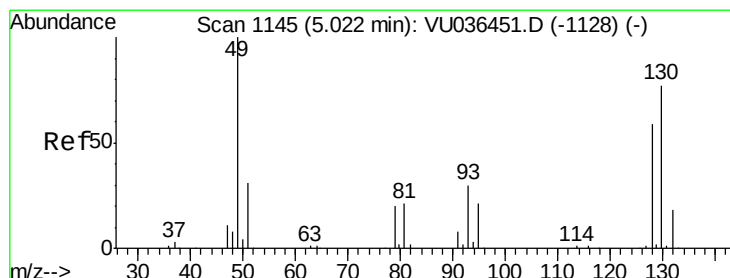
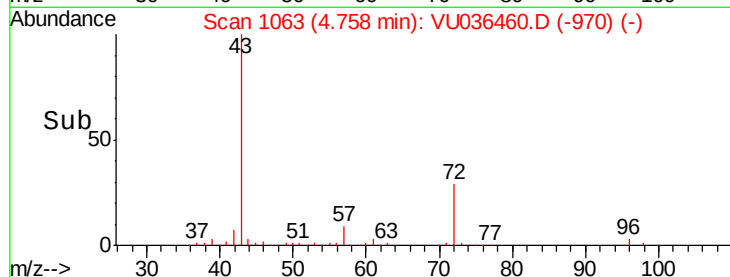
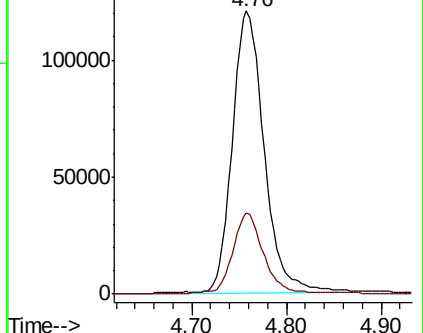
43 100

72 27.7 14.1 42.4



Abundance Ion 43.00 (42.70 to 43.70): VU036460.D (-970) (-)

Ion 72.00 (71.70 to 72.70): VU036460.D (-970) (-)



#23

Bromochloromethane

Concen: 51.648 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

Tgt Ion: 128 Resp: 87968

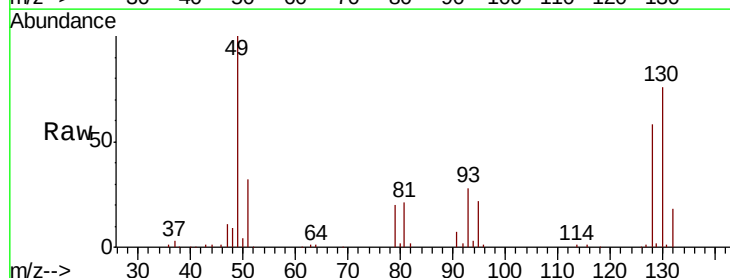
Ion Ratio Lower Upper

128 100

49 173.7 118.9 220.7

130 131.4 91.3 169.5

51 54.7 42.6 63.8

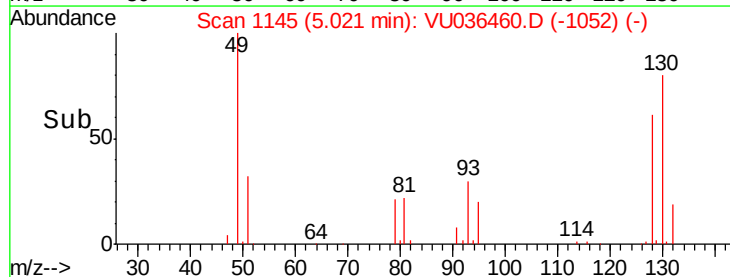
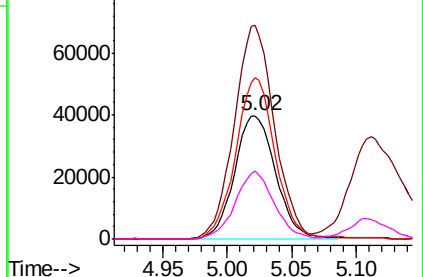


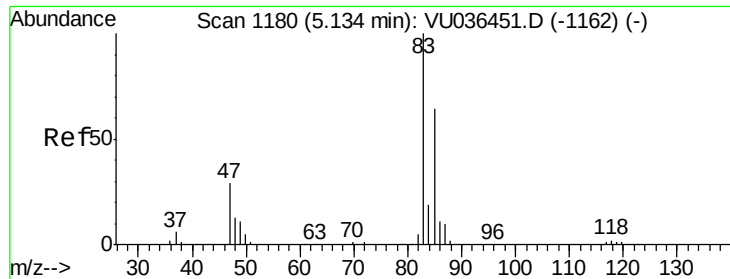
Abundance Ion 128.00 (127.70 to 128.70): VU036460.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU036460.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU036460.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU036460.D (-1052) (-)

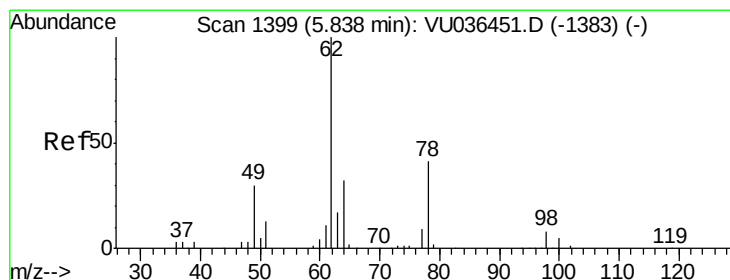
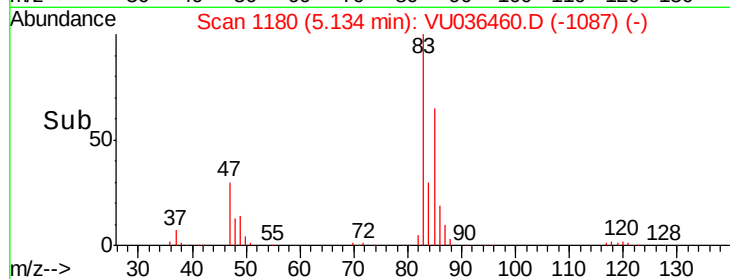
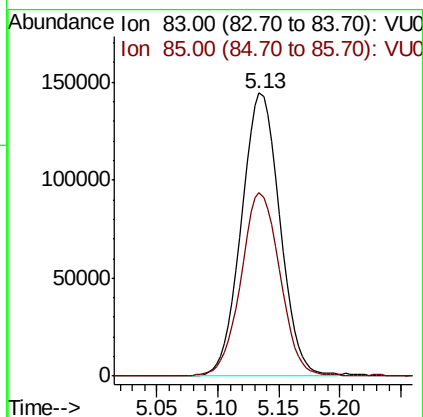
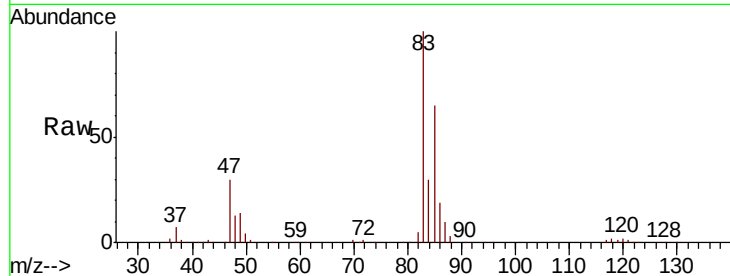




#25
Chloroform
Concen: 50.936 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036460.D
Acq: 14 Jan 2020 23:39

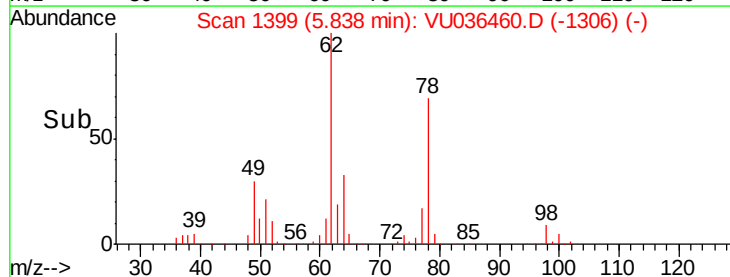
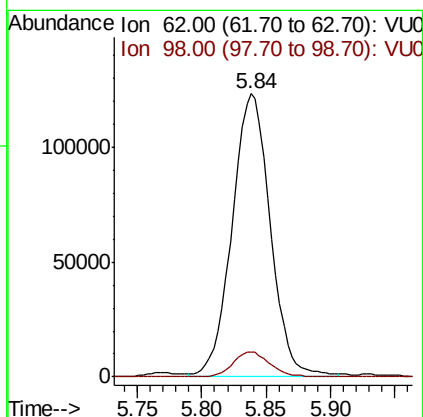
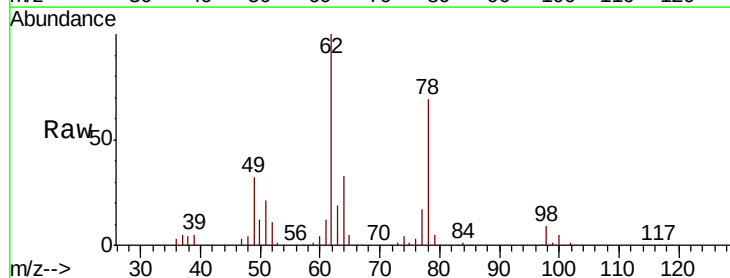
Instrument :
MSVOA_U
ClientSampleId :

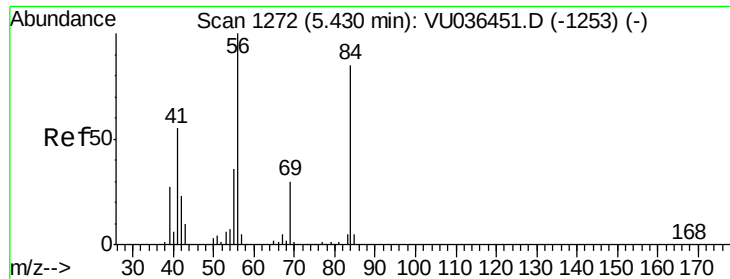
Tot Ion: 83 Resp: 315346
Ion Ratio Lower Upper
83 100
85 64.6 45.1 83.9



#27
1,2-Dichloroethane
Concen: 51.835 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036460.D
Acq: 14 Jan 2020 23:39

Tgt Ion: 62 Resp: 254171
Ion Ratio Lower Upper
62 100
98 8.9 6.6 9.8

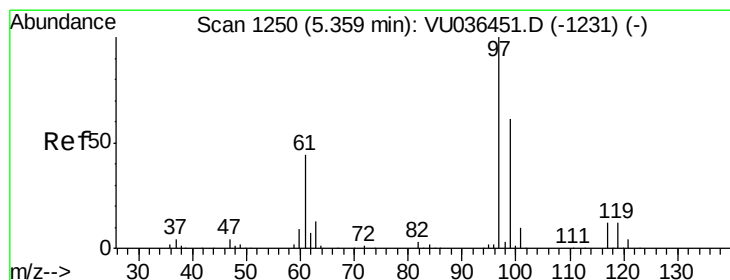
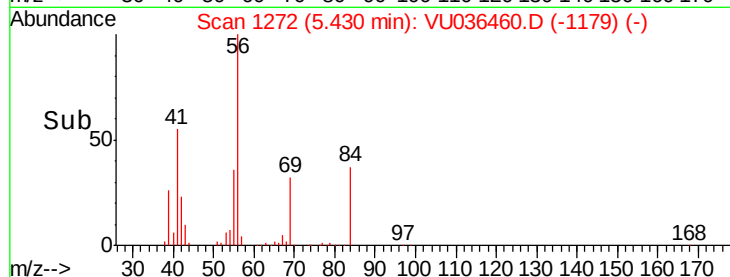
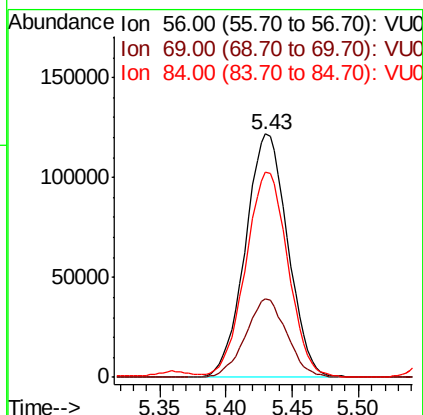
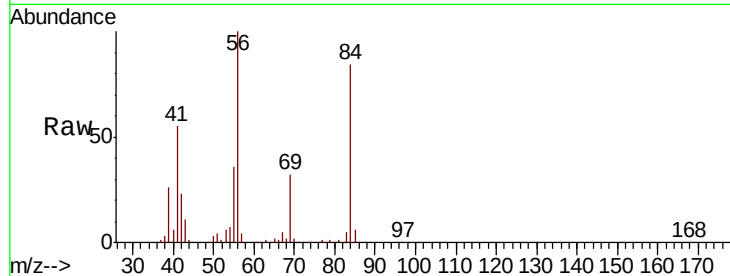




#29
Cyclohexane
Concen: 49.865 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU036460.D
Acq: 14 Jan 2020 23:39

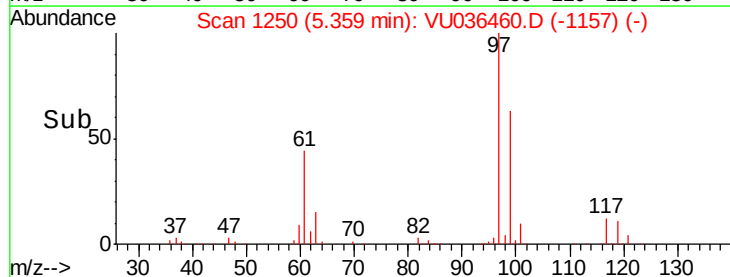
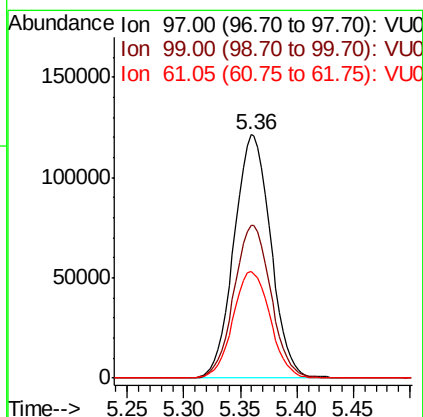
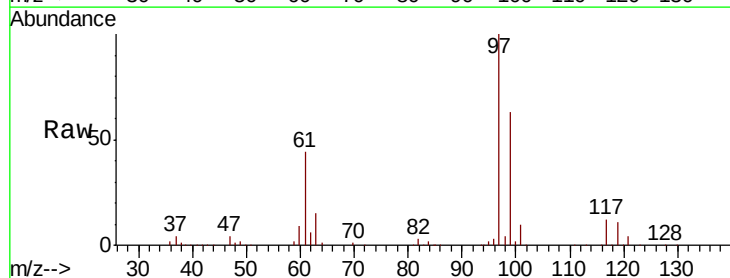
Instrument :
MSVOA_U
ClientSampleId :

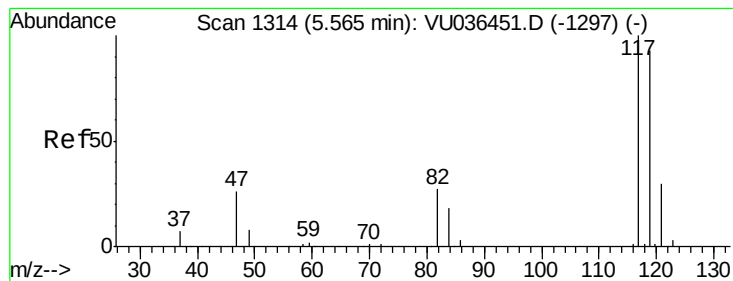
Tot Ion: 56 Resp: 271161
Ion Ratio Lower Upper
56 100
69 31.4 24.6 36.8
84 84.0 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 51.000 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036460.D
Acq: 14 Jan 2020 23:39

Tgt Ion: 97 Resp: 274623
Ion Ratio Lower Upper
97 100
99 63.1 50.2 75.2
61 44.3 35.3 52.9





#31

Carbon tetrachloride

Concen: 51.932 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

Instrument :

MSVOA_U

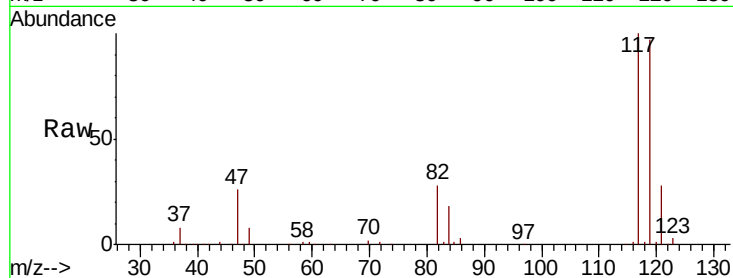
ClientSampleId :

Tot Ion:117 Resp: 239671

Ion Ratio Lower Upper

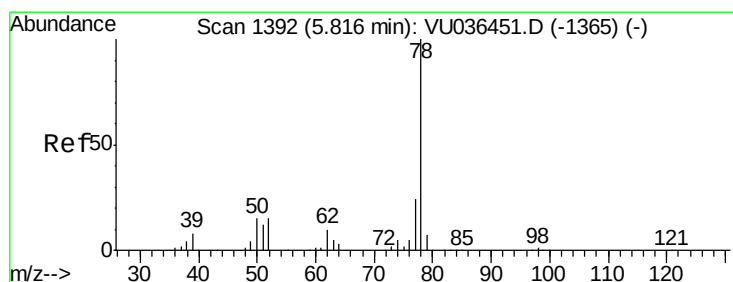
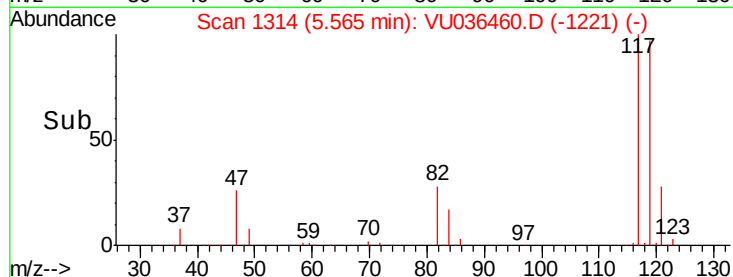
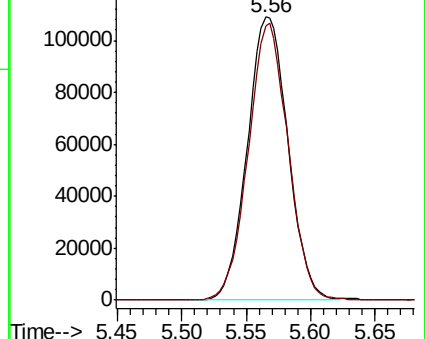
117 100

119 95.7 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: 50.725 ug/L

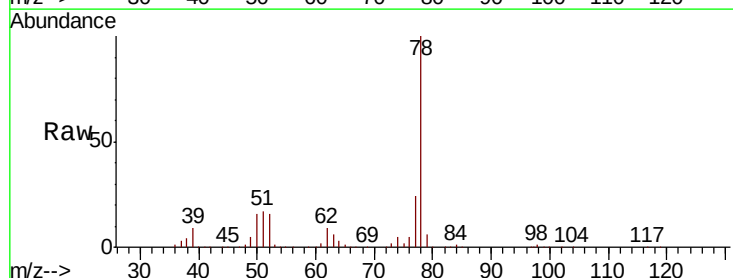
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

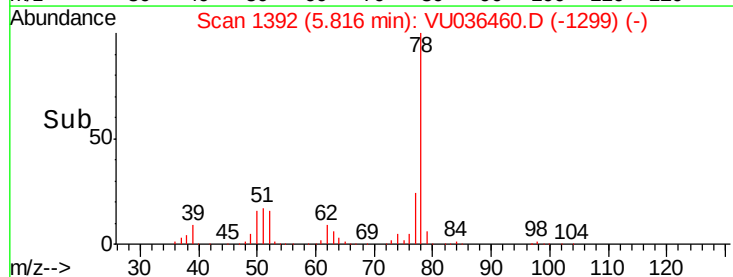
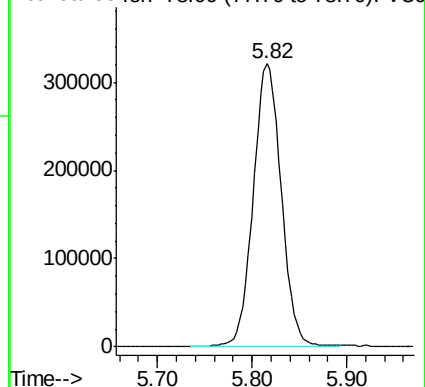
Lab File: VU036460.D

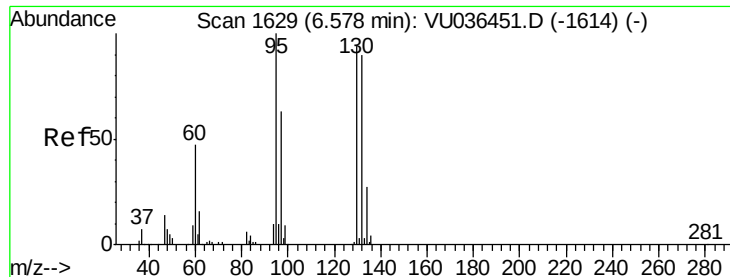
Acq: 14 Jan 2020 23:39

Tgt Ion: 78 Resp: 660841



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.451 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 180999

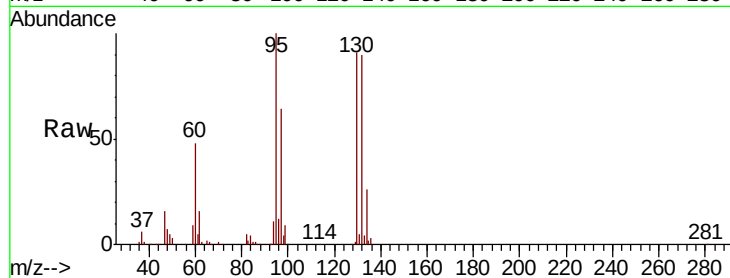
Ion Ratio Lower Upper

95 100

97 64.4 44.2 82.2

132 90.2 62.8 116.6

130 90.7 66.1 122.7

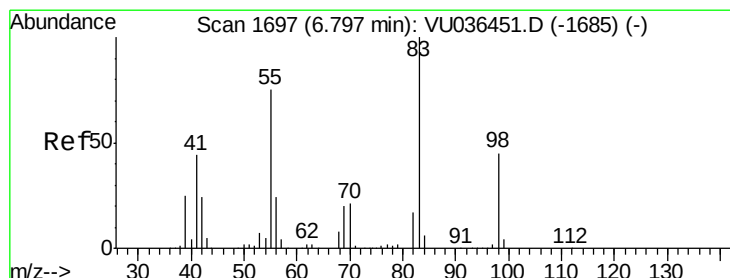
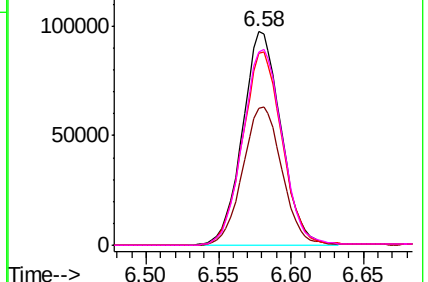
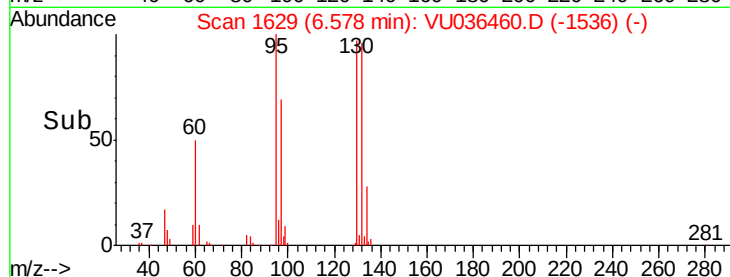


Abundance Ion 95.00 (94.70 to 95.70): VU036460.D (-1536) (-)

Ion 97.00 (96.70 to 97.70): VU036460.D (-1536) (-)

Ion 132.00 (131.70 to 132.70): VU036460.D (-1536) (-)

Ion 130.00 (129.70 to 130.70): VU036460.D (-1536) (-)



#35

Methylcyclohexane

Concen: 50.388 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

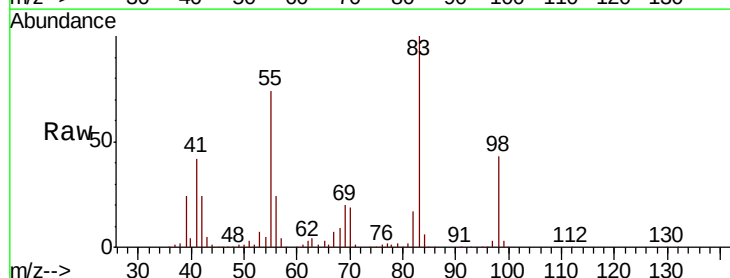
Tgt Ion: 83 Resp: 272908

Ion Ratio Lower Upper

83 100

55 75.4 59.9 89.9

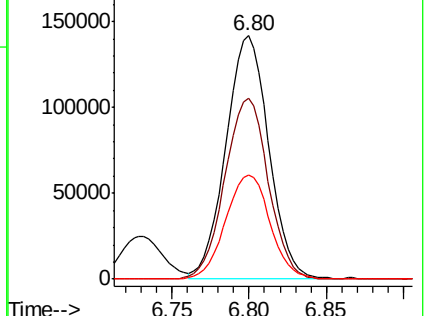
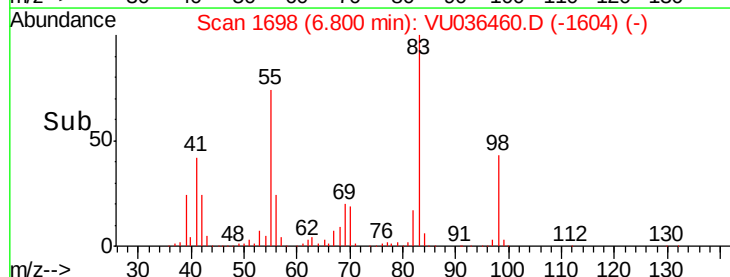
98 44.6 36.4 54.6

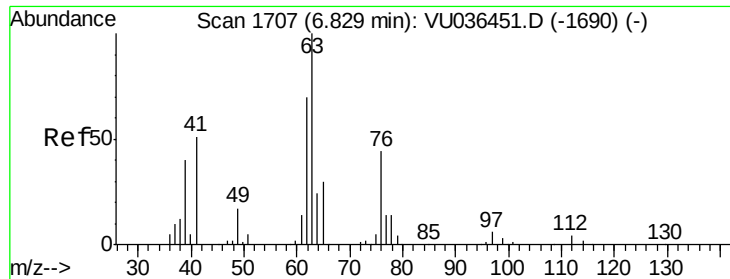


Abundance Ion 83.00 (82.70 to 83.70): VU036460.D (-1604) (-)

Ion 55.00 (54.70 to 55.70): VU036460.D (-1604) (-)

Ion 98.00 (97.70 to 98.70): VU036460.D (-1604) (-)

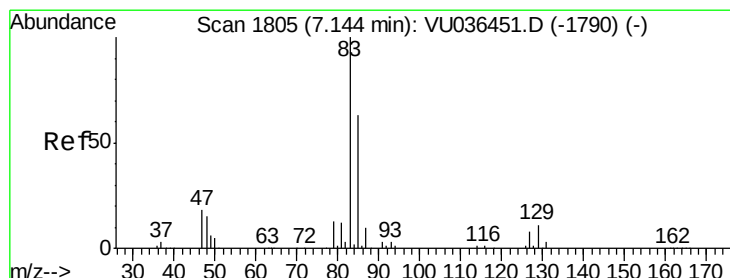
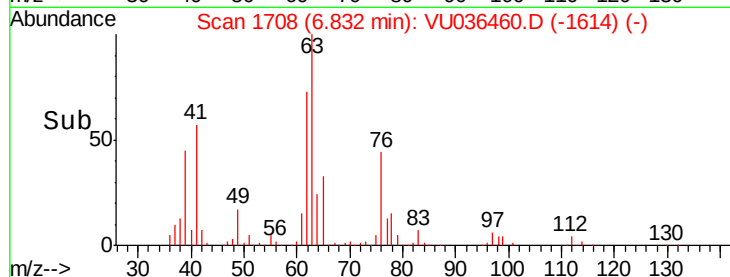
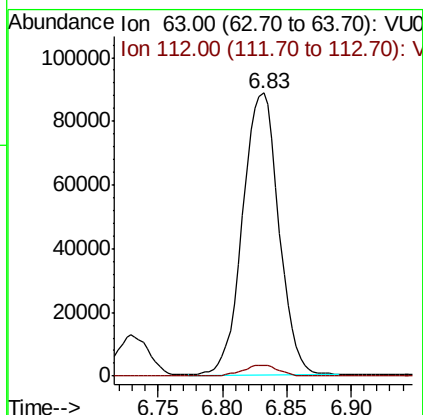
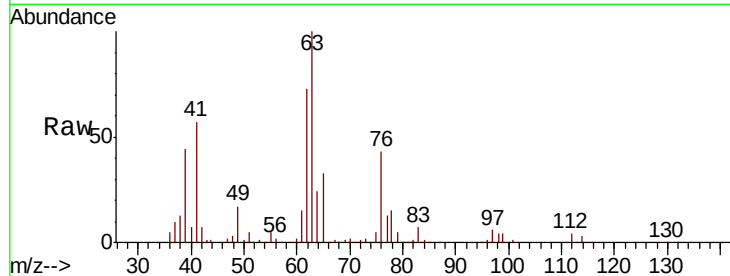




#37
 1,2-Dichloropropane
 Concen: 50.252 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU036460.D
 Acq: 14 Jan 2020 23:39

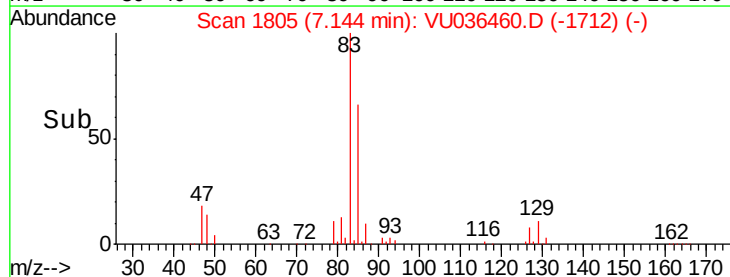
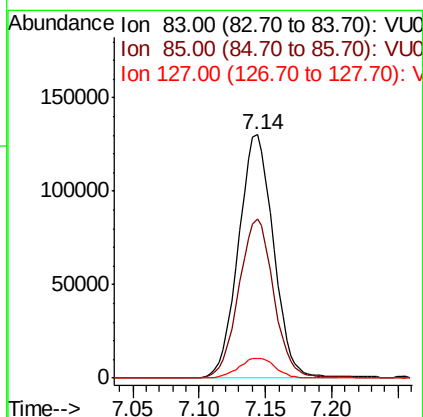
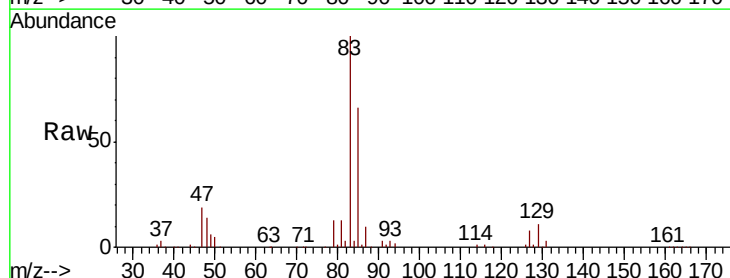
Instrument :
 MSVOA_U
 ClientSampleId :

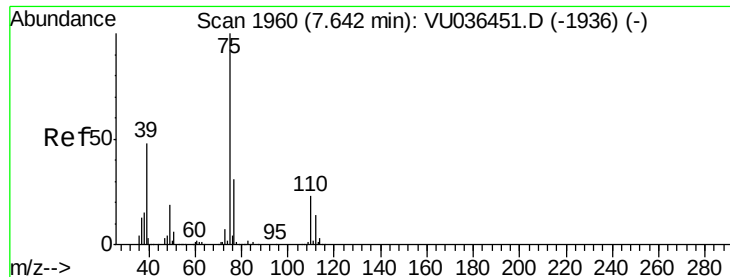
Tot Ion: 63 Resp: 173513
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#38
 Bromodichloromethane
 Concen: 50.220 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU036460.D
 Acq: 14 Jan 2020 23:39

Tgt Ion: 83 Resp: 238640
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.0 81.8
 127 8.1 6.7 10.1



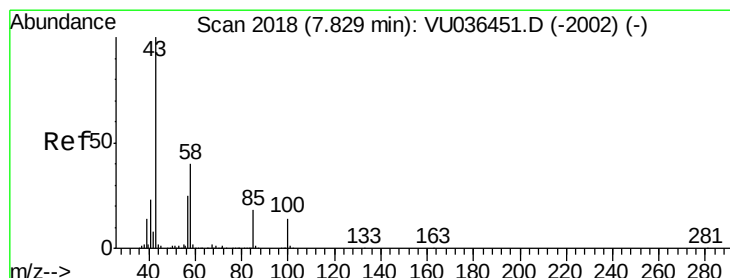
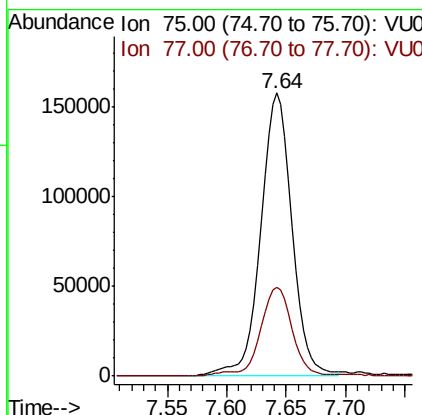
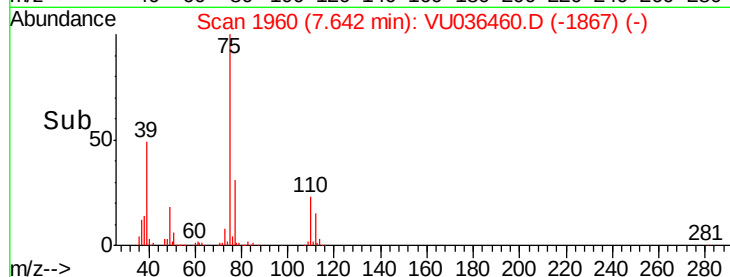
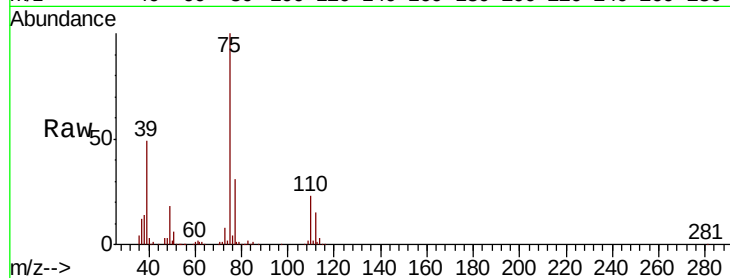


#39

cis-1,3-Dichloropropene
 Concen: 51.504 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036460.D
 Acq: 14 Jan 2020 23:39

Instrument :
 MSVOA_U
 ClientSampleId :

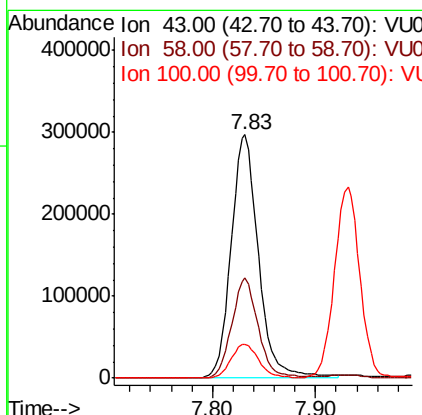
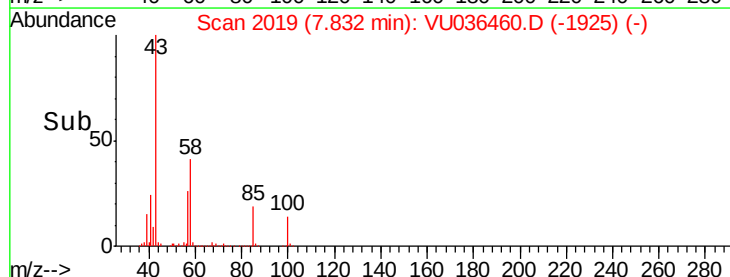
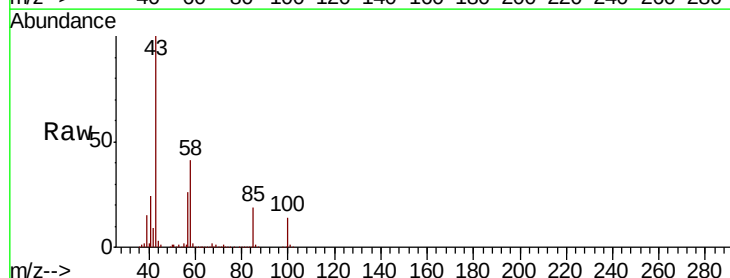
Tot Ion: 75 Resp: 287900
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.8 40.4

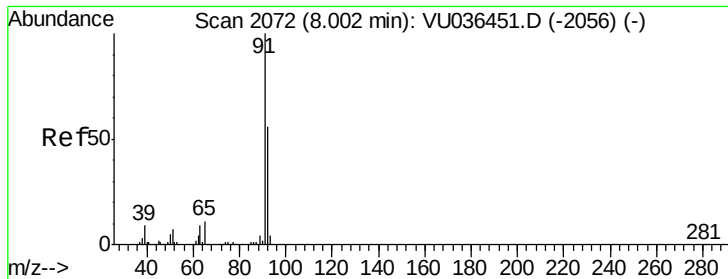


#40

4-Methyl-2-pentanone
 Concen: 99.046 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036460.D
 Acq: 14 Jan 2020 23:39

Tgt Ion: 43 Resp: 550160
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.0 48.0
 100 14.2 11.4 17.0





#42

Toluene

Concen: 49.957 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

Instrument :

MSVOA_U

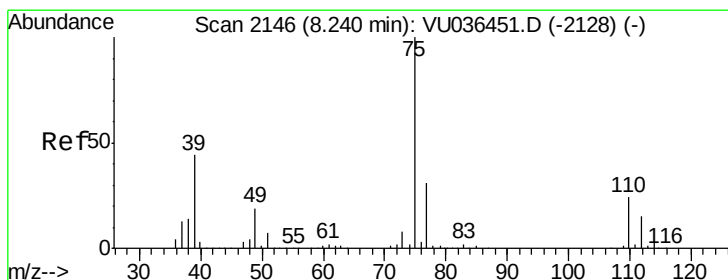
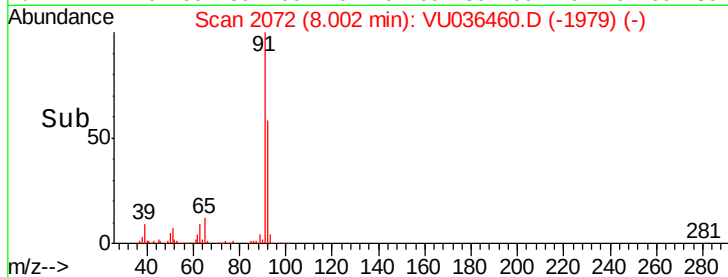
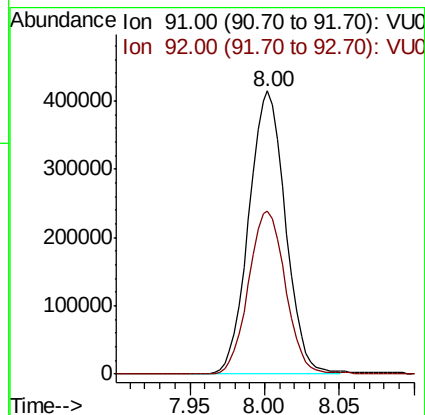
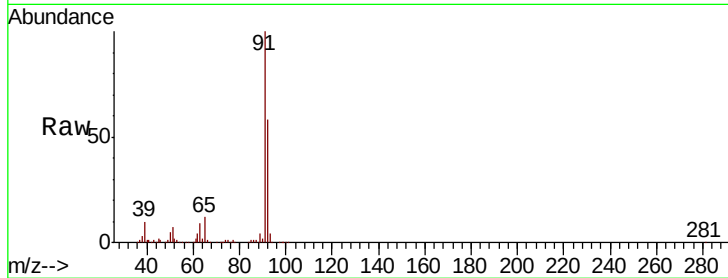
ClientSampleId :

Tot Ion: 91 Resp: 706899

Ion Ratio Lower Upper

91 100

92 57.8 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 49.686 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036460.D

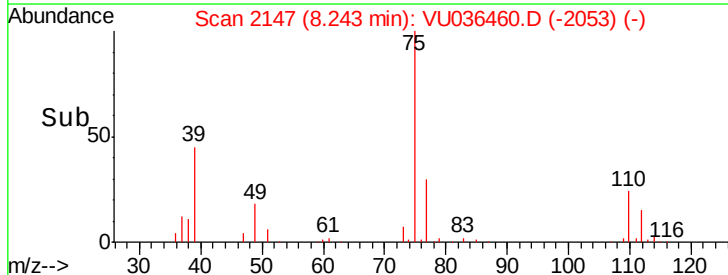
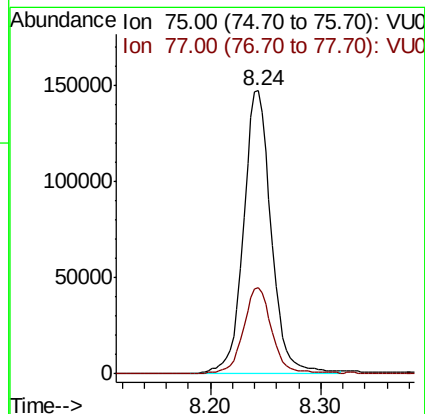
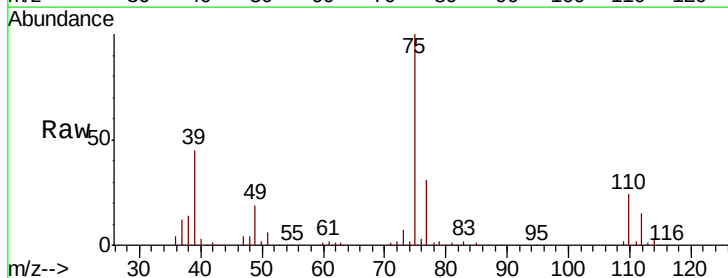
Acq: 14 Jan 2020 23:39

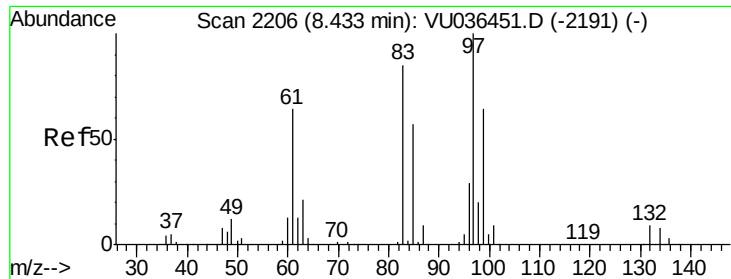
Tgt Ion: 75 Resp: 257277

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.4

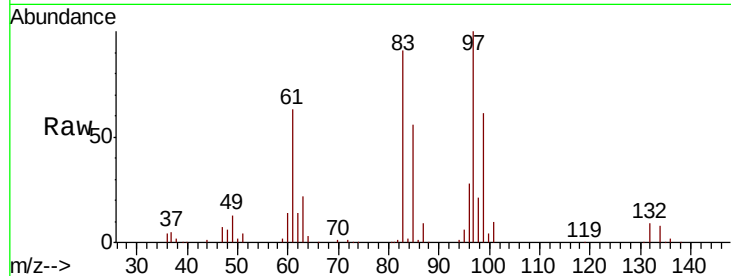




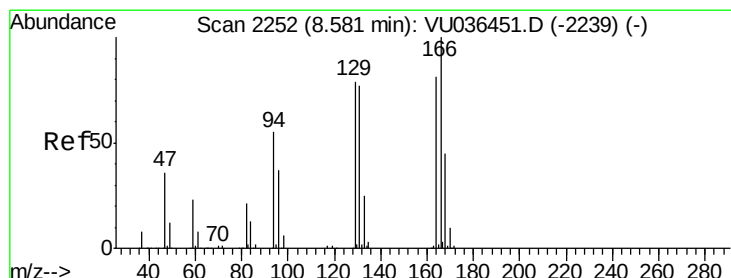
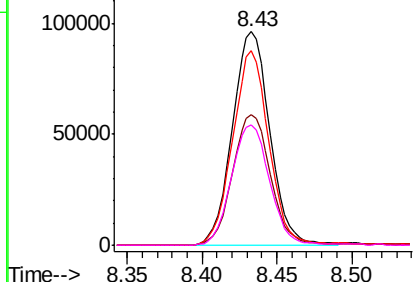
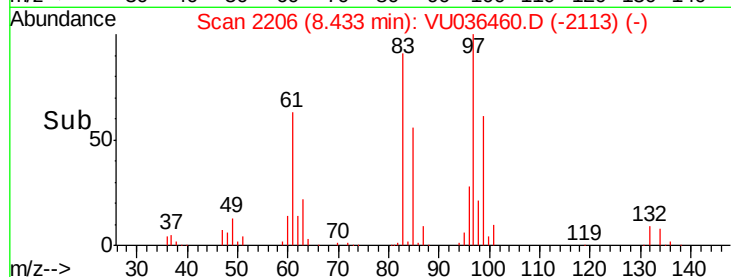
#45
1,1,2-Trichloroethane
Concen: 50.875 ug/L
RT: 8.43 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VU036460.D
Acq: 14 Jan 2020 23:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	167906
Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.7	82.9
83	91.4	59.4	110.2
85	56.1	39.7	73.7

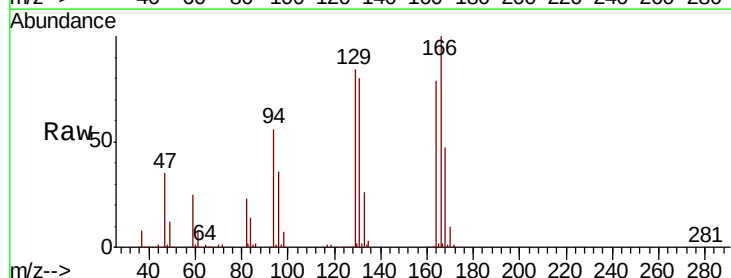


Abundance Ion 97.00 (96.70 to 97.70): VU036460.D (-2113) (-)

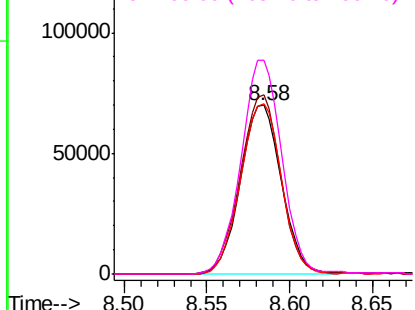
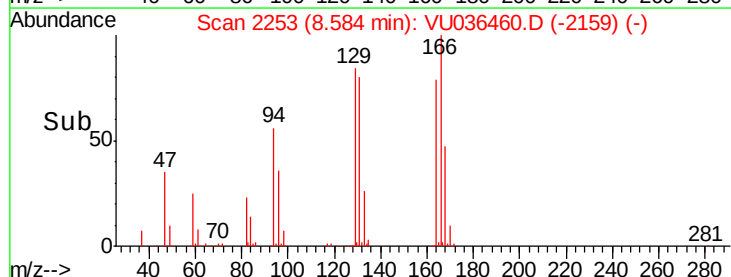


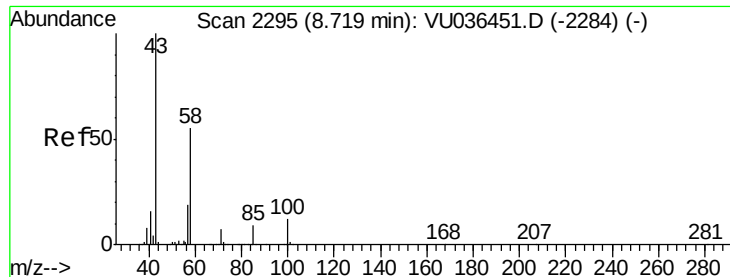
#46
Tetrachloroethene
Concen: 50.944 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU036460.D
Acq: 14 Jan 2020 23:39

Tgt Ion:	164	Resp:	120551
Ion	Ratio	Lower	Upper
164	100		
129	106.0	68.1	126.5
131	101.3	66.6	123.6
166	126.5	86.5	160.7



Abundance Ion 164.00 (163.70 to 164.70): VU036460.D (-2159) (-)

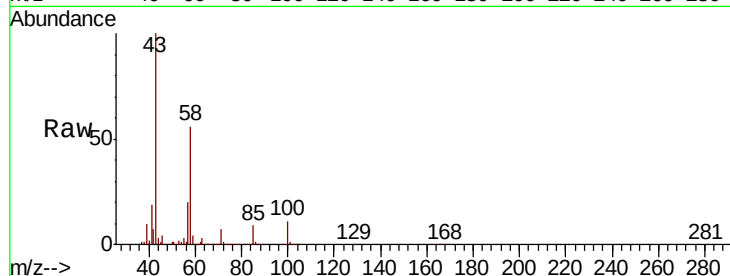




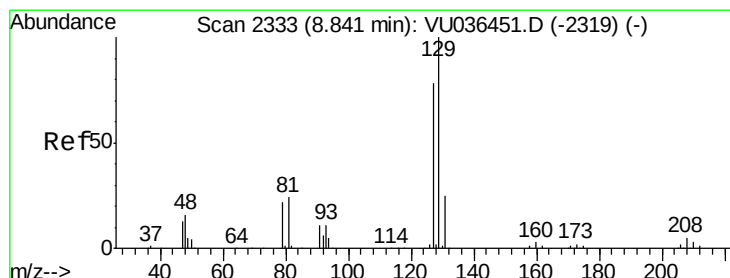
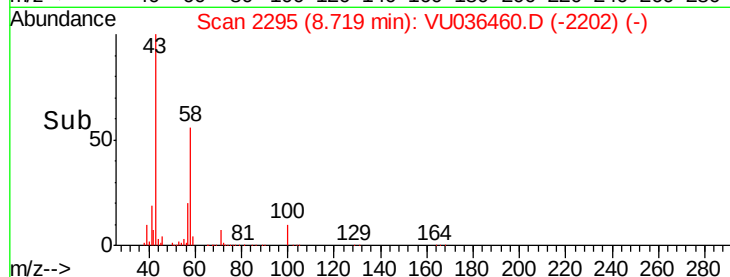
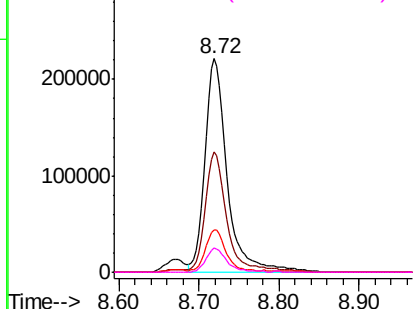
#48
2-Hexanone
Concen: 98.260 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036460.D
Acq: 14 Jan 2020 23:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 431670
Ion Ratio Lower Upper
43 100
58 50.8 43.7 65.5
57 17.7 14.7 22.1
100 10.4 9.4 14.0

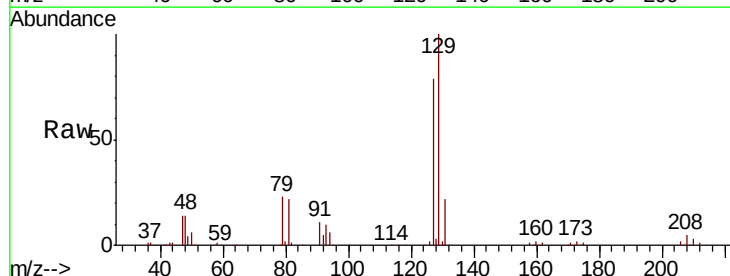


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

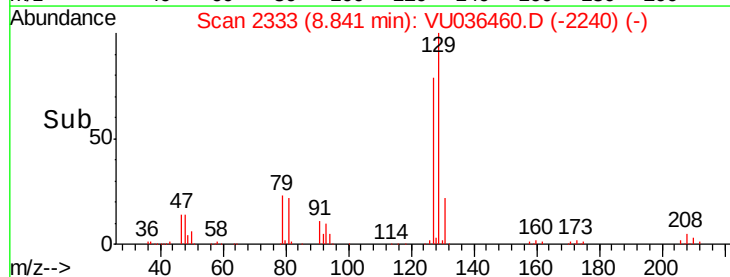
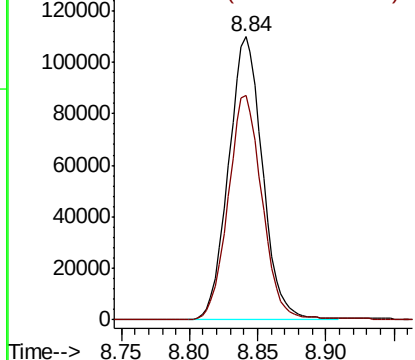


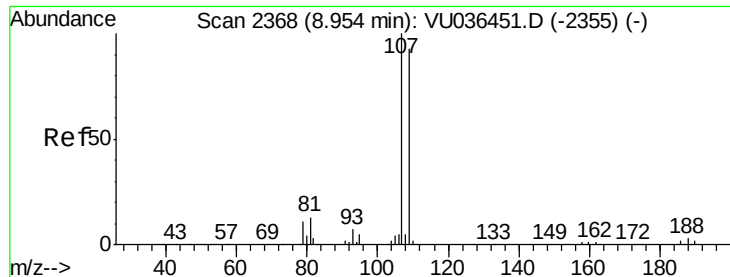
#49
Dibromochloromethane
Concen: 51.742 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036460.D
Acq: 14 Jan 2020 23:39

Tgt Ion: 129 Resp: 189956
Ion Ratio Lower Upper
129 100
127 79.1 54.7 101.7



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 50.977 ug/L

RT: 8.95 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

Instrument :

MSVOA_U

ClientSampled :

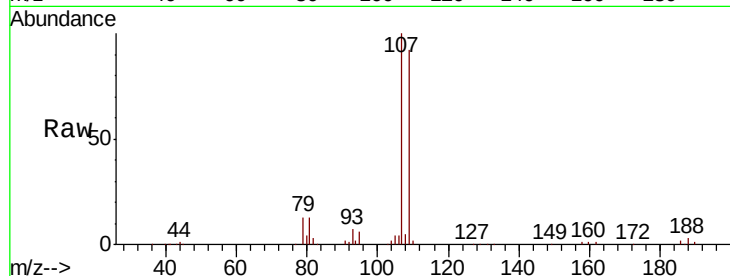
Tot Ion:107 Resp: 190719

Ion Ratio Lower Upper

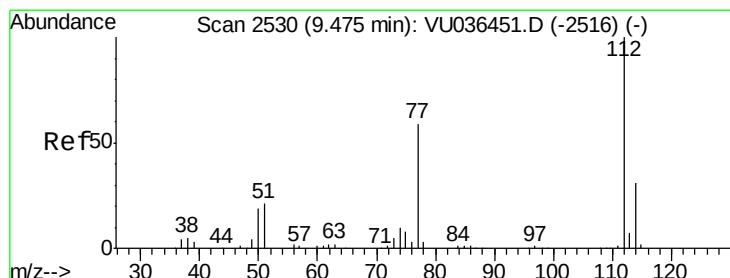
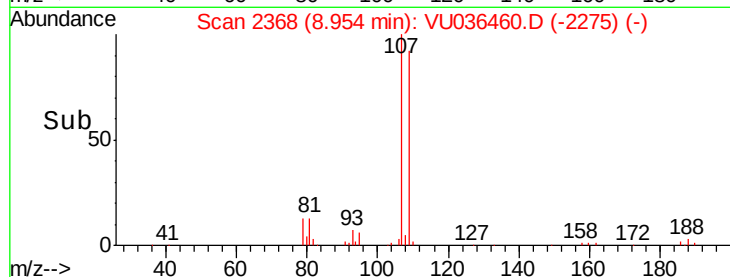
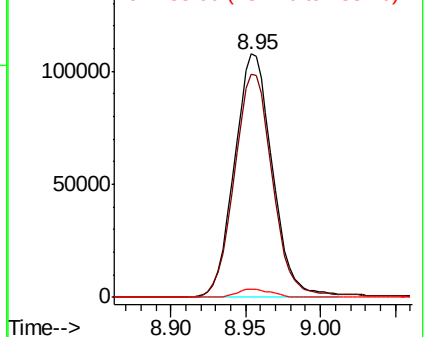
107 100

109 91.6 65.0 120.8

188 3.5 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: 50.354 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

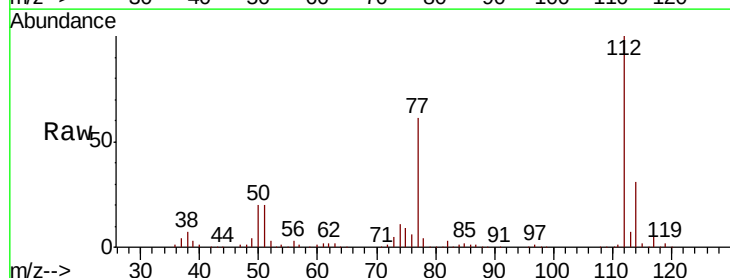
Tgt Ion:112 Resp: 448040

Ion Ratio Lower Upper

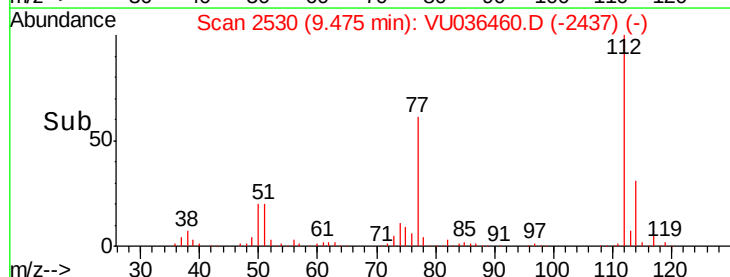
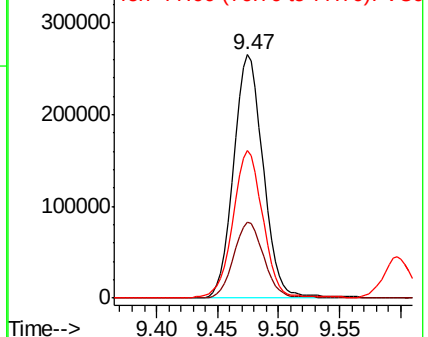
112 100

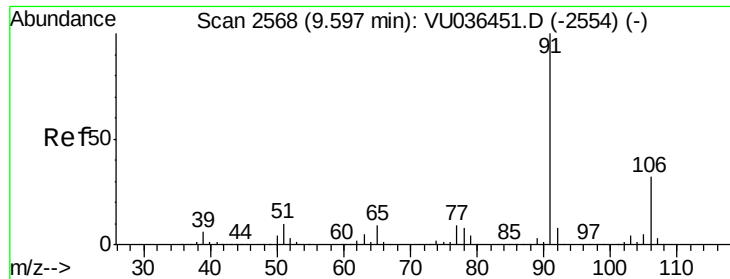
114 30.9 22.0 41.0

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): V





#52

Ethylbenzene

Concen: 50.060 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

Instrument :

MSVOA_U

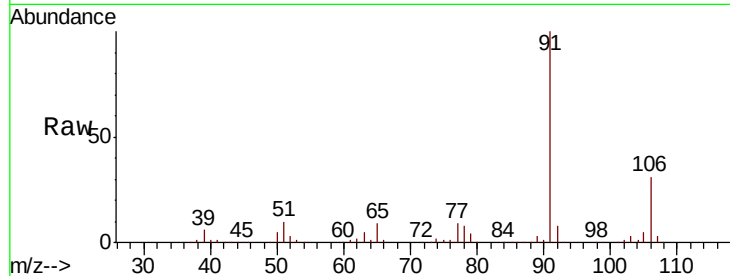
ClientSampled :

Tot Ion: 91 Resp: 791178

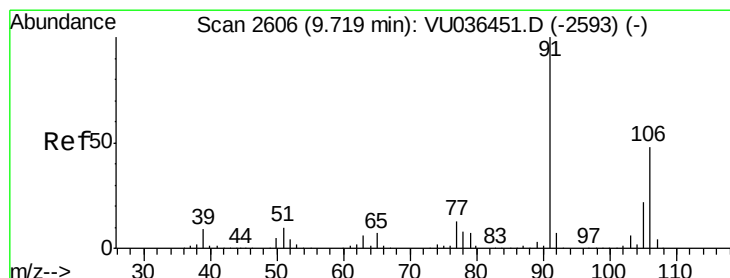
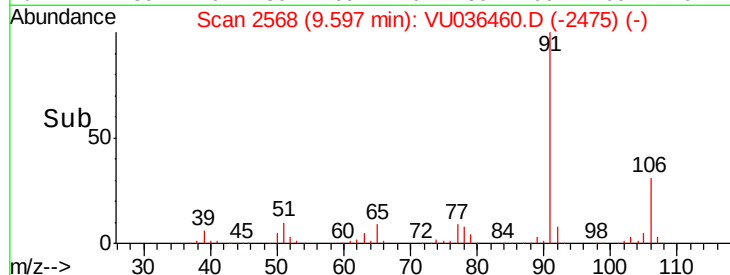
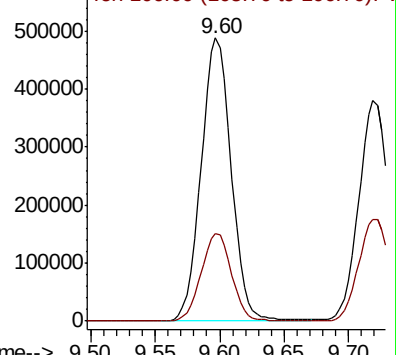
Ion Ratio Lower Upper

91 100

106 30.9 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VU036460.D (-2475) (-)



#53

m,p-Xylene

Concen: 50.443 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036460.D

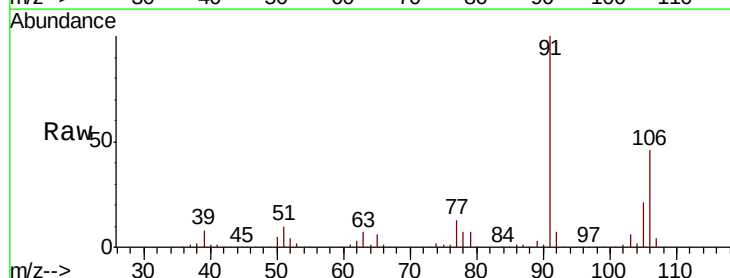
Acq: 14 Jan 2020 23:39

Tgt Ion: 106 Resp: 298129

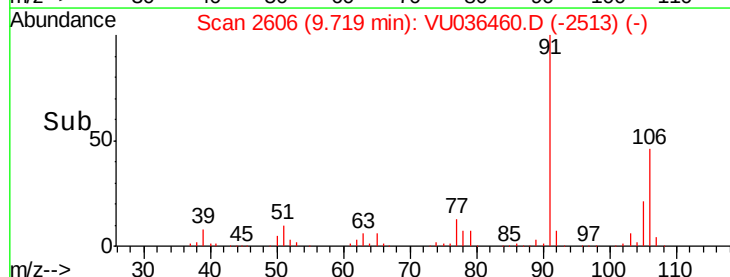
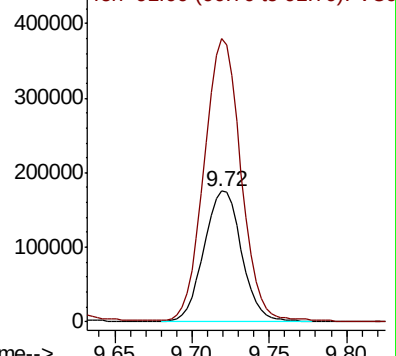
Ion Ratio Lower Upper

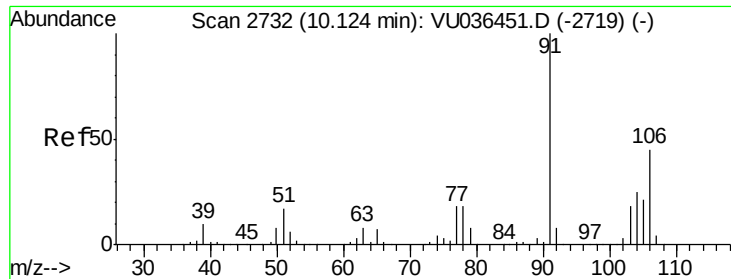
106 100

91 216.2 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036460.D (-2513) (-)





#54

o-xylene

Concen: 49.654 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

Instrument :

MSVOA_U

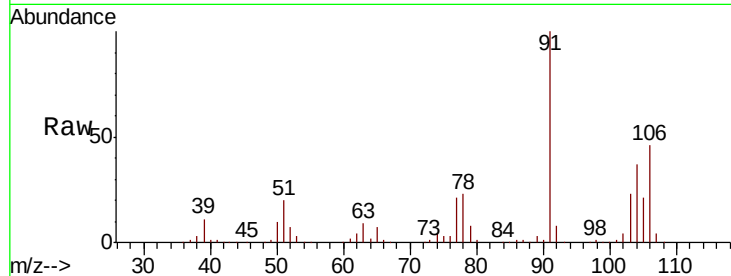
ClientSampled :

Tot Ion:106 Resp: 292967

Ion Ratio Lower Upper

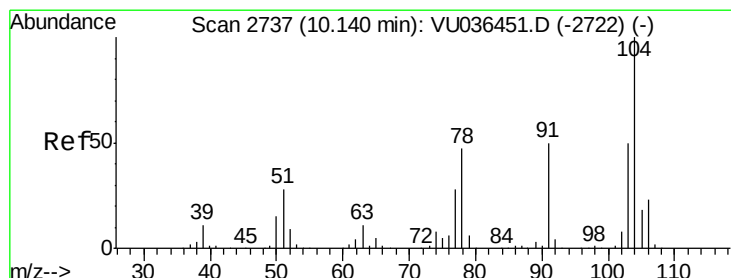
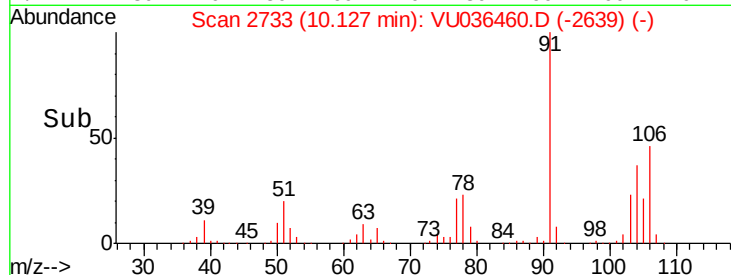
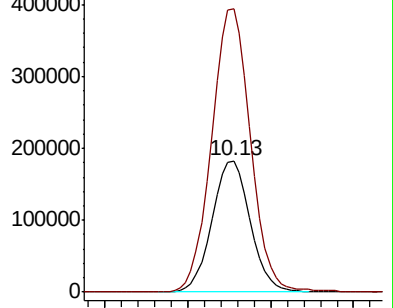
106 100

91 215.7 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.251 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036460.D

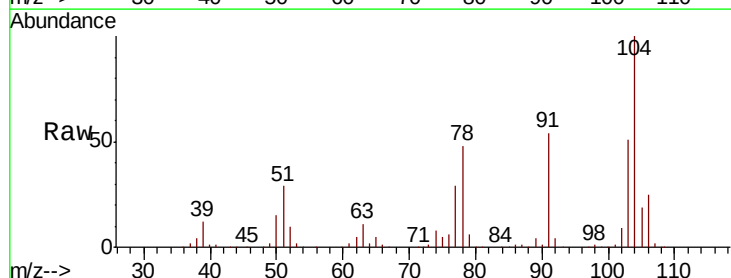
Acq: 14 Jan 2020 23:39

Tgt Ion:104 Resp: 490430

Ion Ratio Lower Upper

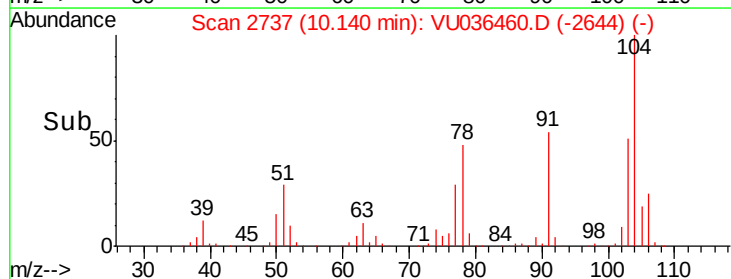
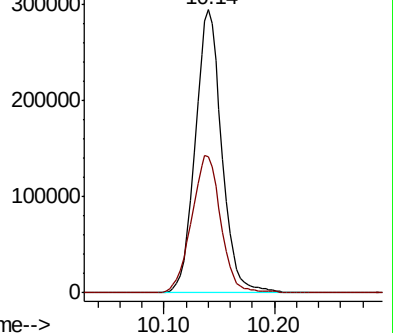
104 100

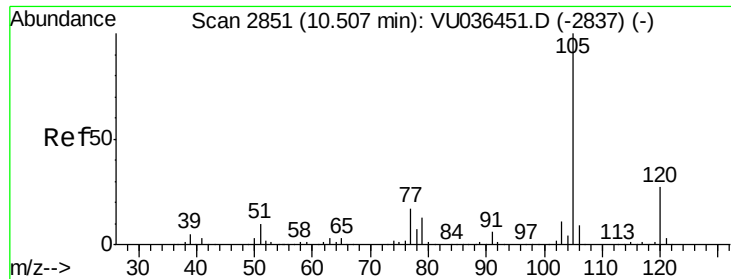
78 48.3 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.258 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

Instrument :

MSVOA_U

ClientSampled :

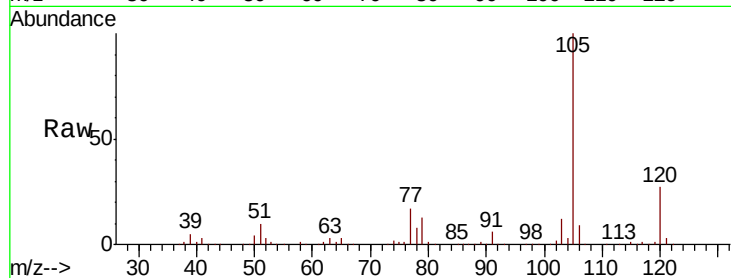
Tot Ion:105 Resp: 761074

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

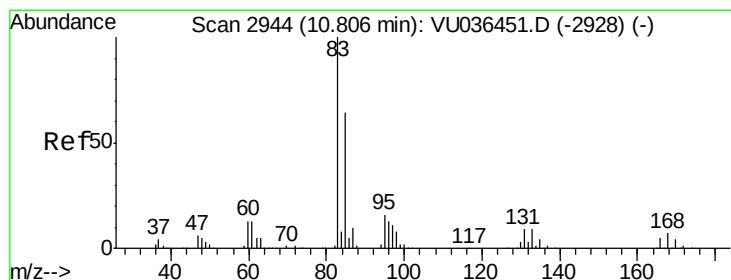
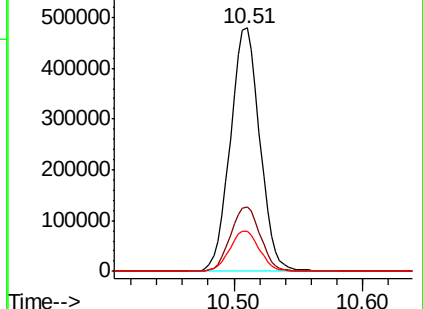
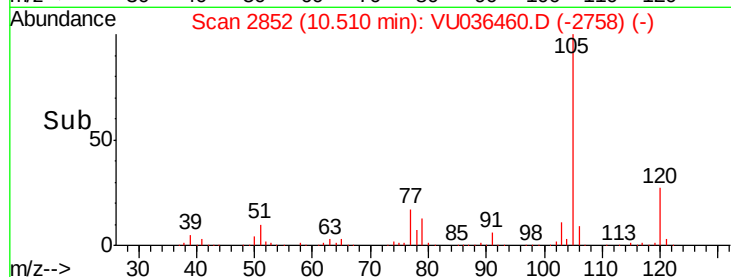
77 16.7 13.4 20.2



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: 48.391 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

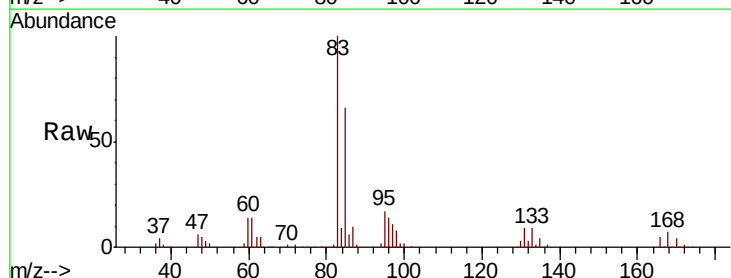
Tgt Ion: 83 Resp: 277732

Ion Ratio Lower Upper

83 100

85 65.9 44.7 82.9

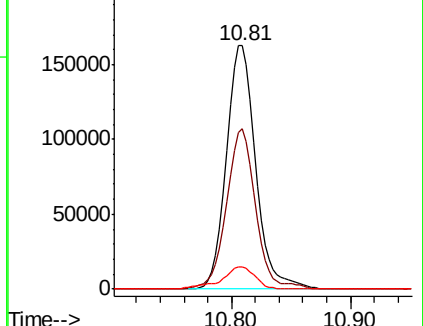
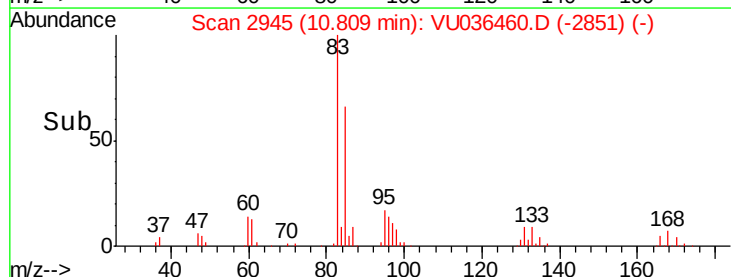
131 9.3 7.0 10.6

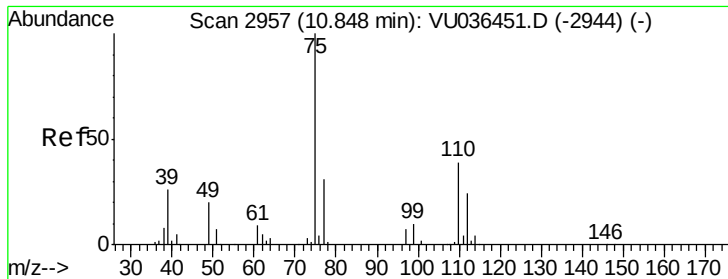


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.572 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

Instrument :

MSVOA_U

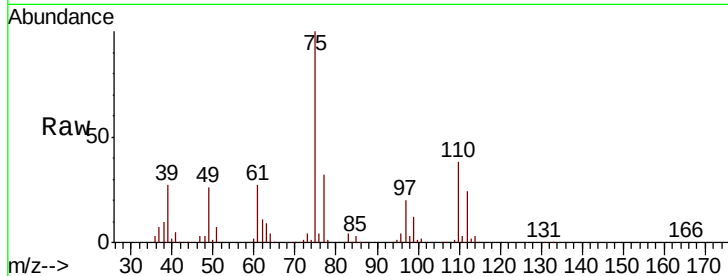
ClientSampled :

Tot Ion: 75 Resp: 236037

Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

150000

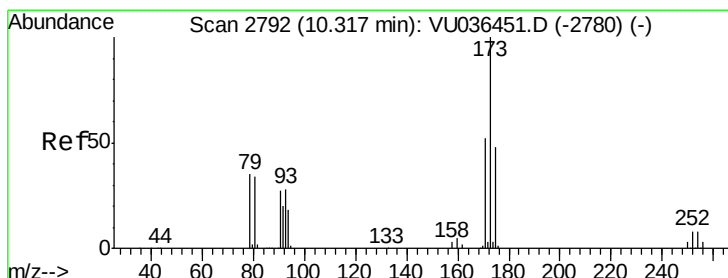
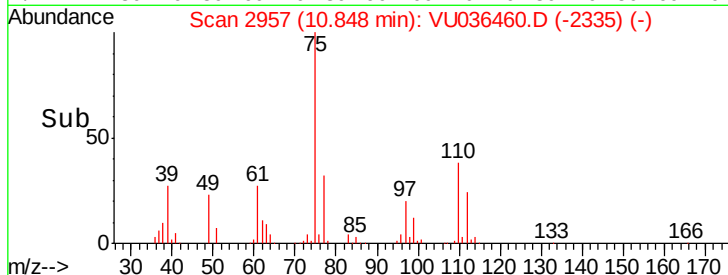
10.85

100000

50000

0

Time-->



#61

Bromoform

Concen: 49.166 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

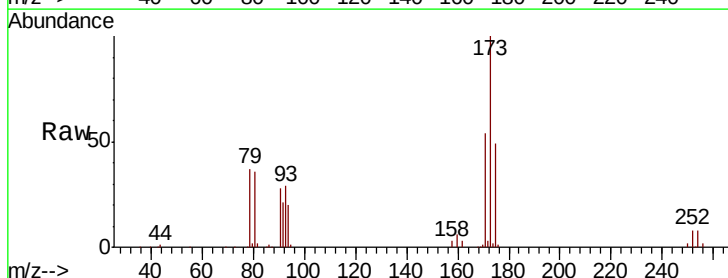
Tgt Ion: 173 Resp: 135538

Ion Ratio Lower Upper

173 100

175 46.7 39.6 59.4

254 8.0 6.3 9.5



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

100000

80000

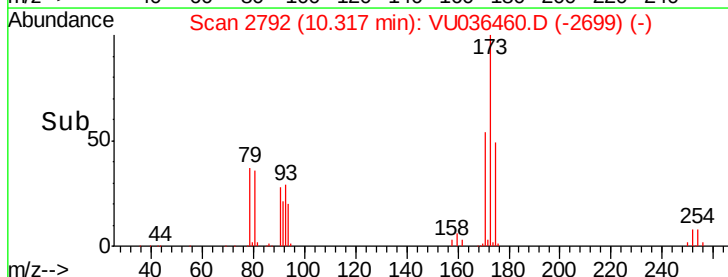
60000

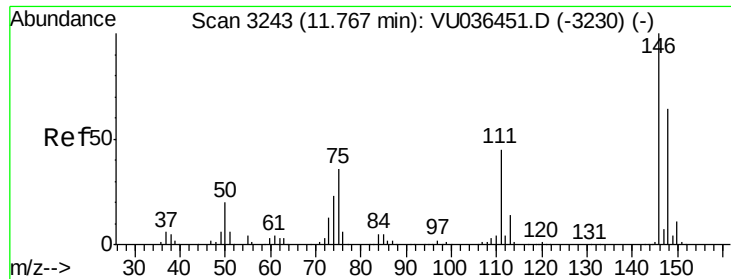
40000

20000

0

Time-->

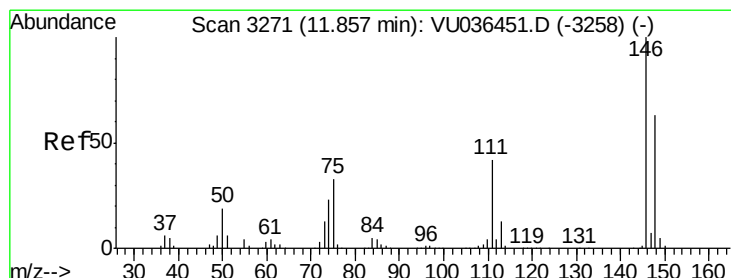
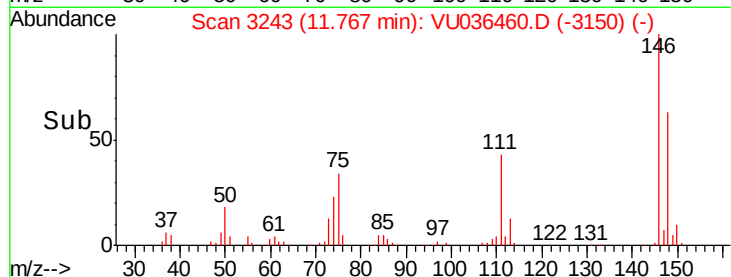
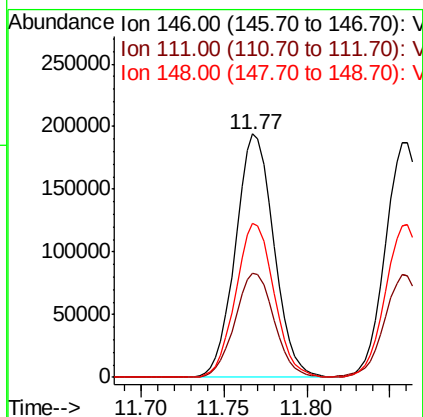
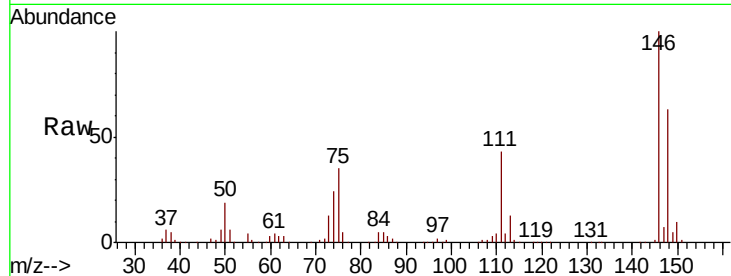




#62
 1,3-Dichlorobenzene
 Concen: 49.142 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036460.D
 Acq: 14 Jan 2020 23:39

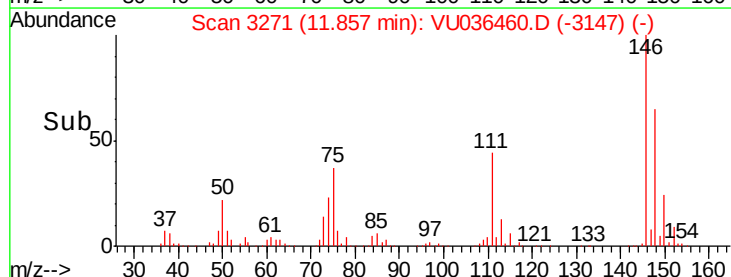
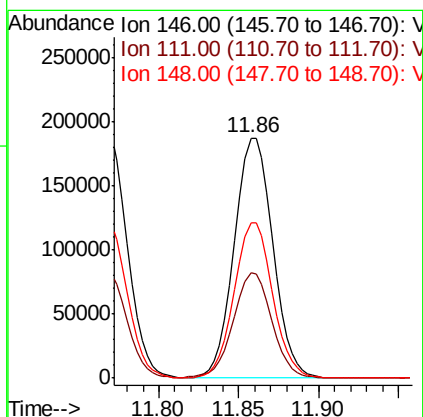
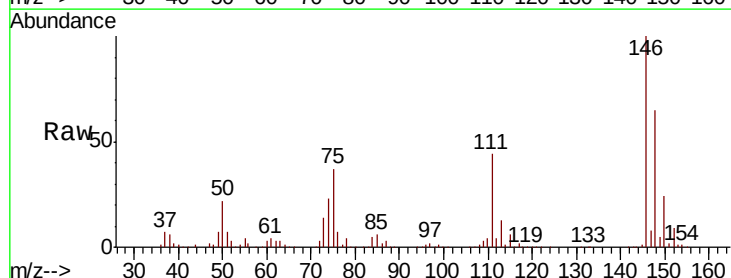
Instrument :
 MSVOA_U
 ClientSampled :

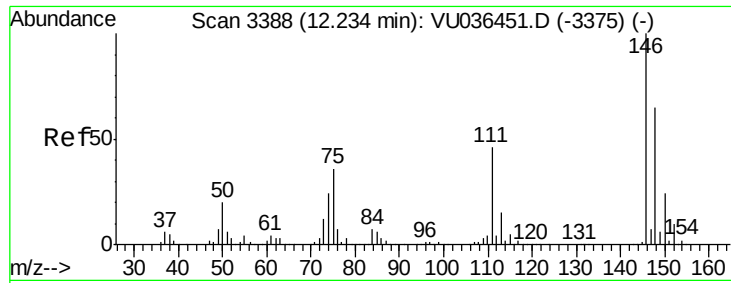
Tot Ion:146 Resp: 313242
 Ion Ratio Lower Upper
 146 100
 111 42.7 31.3 58.1
 148 63.2 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 48.146 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036460.D
 Acq: 14 Jan 2020 23:39

Tgt Ion:146 Resp: 308370
 Ion Ratio Lower Upper
 146 100
 111 43.8 29.3 54.3
 148 64.7 43.8 81.3

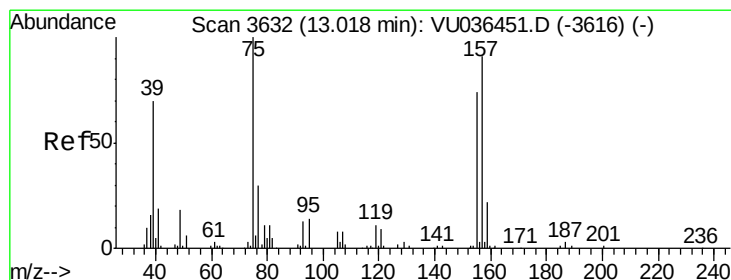
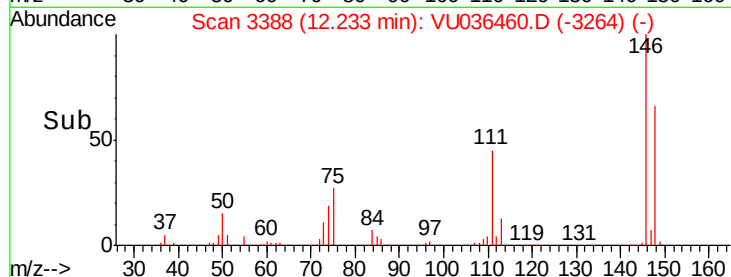
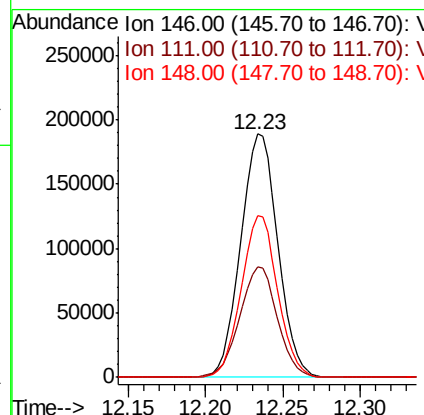
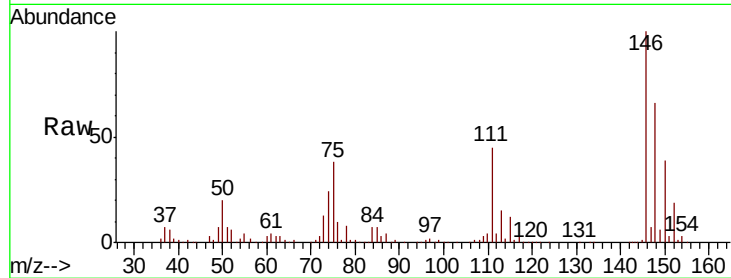




#65
 1,2-Dichlorobenzene
 Concen: 50.146 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036460.D
 Acq: 14 Jan 2020 23:39

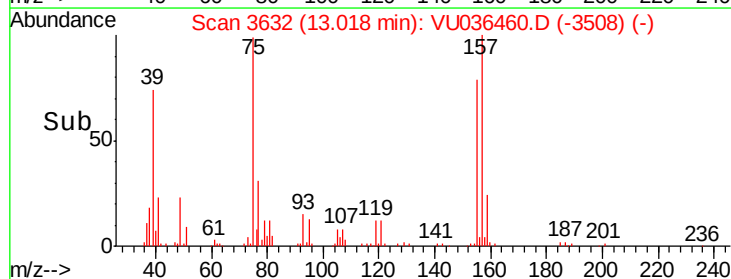
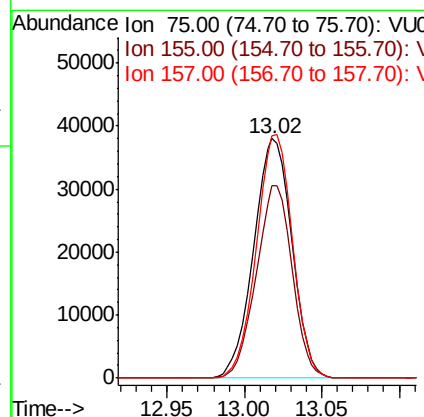
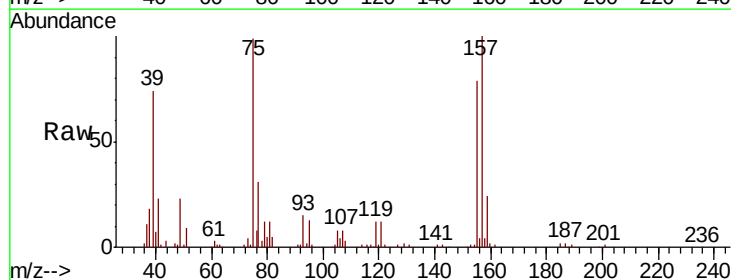
Instrument :
 MSVOA_U
 ClientSampled :

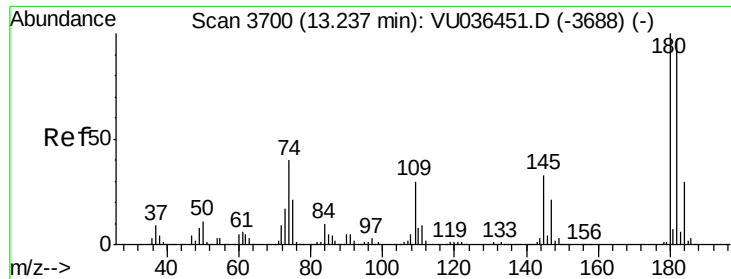
Tot Ion:146 Resp: 315288
 Ion Ratio Lower Upper
 146 100
 111 45.3 37.0 55.4
 148 66.4 52.3 78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.348 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036460.D
 Acq: 14 Jan 2020 23:39

Tgt Ion: 75 Resp: 65465
 Ion Ratio Lower Upper
 75 100
 155 80.2 59.1 88.7
 157 101.2 72.7 109.1

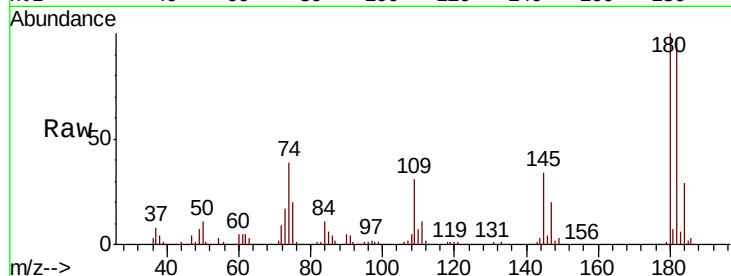




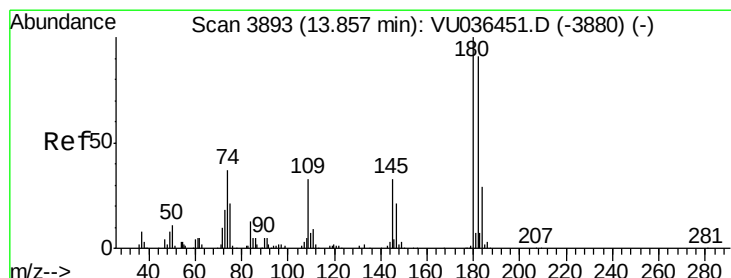
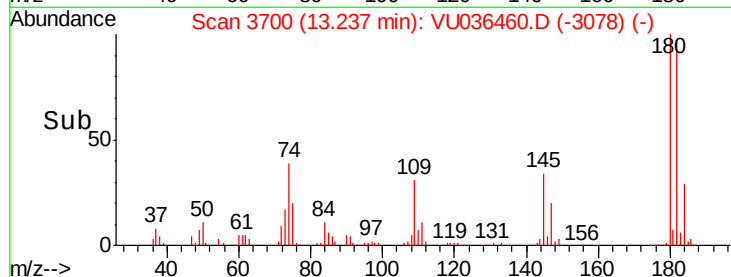
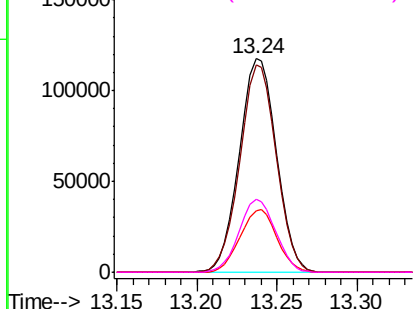
#67
 1,3,5-Trichlorobenzene
 Concen: 48.138 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036460.D
 Acq: 14 Jan 2020 23:39

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	185550
Ion	Ratio	Lower Upper
180	100	
182	95.1	75.8 113.6
184	29.2	24.4 36.6
145	33.5	26.6 39.8

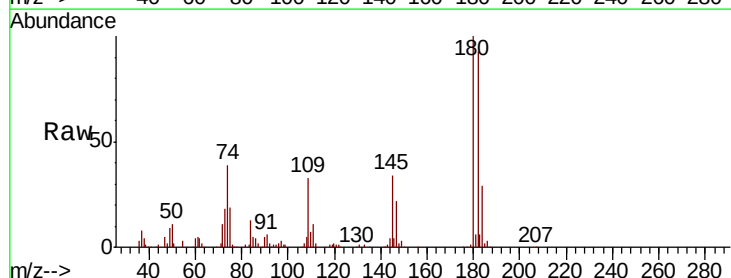


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

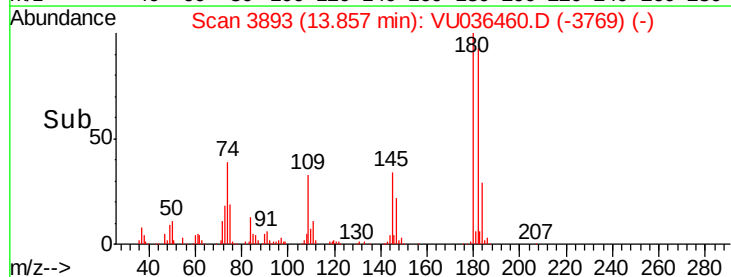
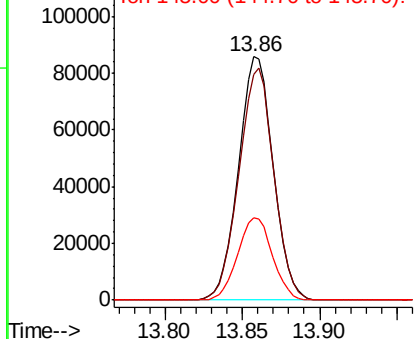


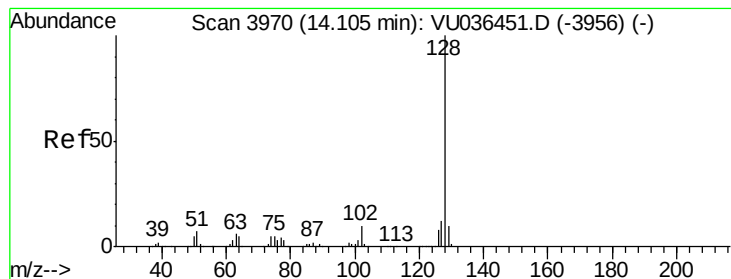
#68
 1,2,4-trichlorobenzene
 Concen: 47.270 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036460.D
 Acq: 14 Jan 2020 23:39

Tgt Ion:180	Resp:	134273
Ion	Ratio	Lower Upper
180	100	
182	95.7	74.1 111.1
145	33.8	26.6 40.0



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





#69

Naphthalene

Concen: 45.013 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

Instrument :

MSVOA_U

ClientSampleId :

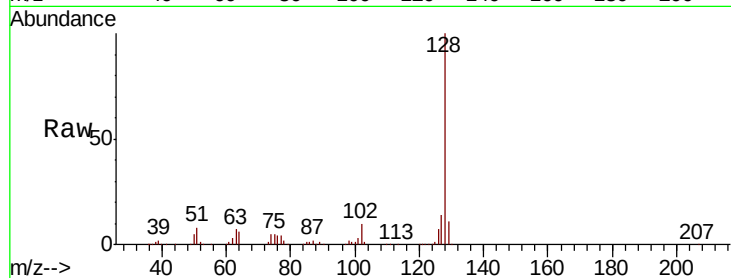
Tot Ion:128 Resp: 432060

Ion Ratio Lower Upper

128 100

127 13.5 10.0 15.0

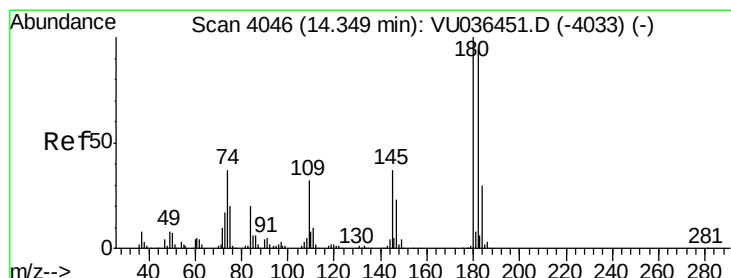
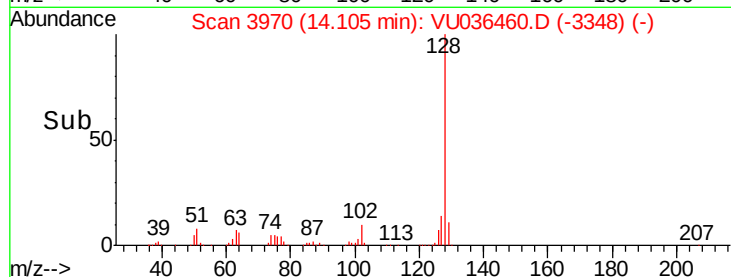
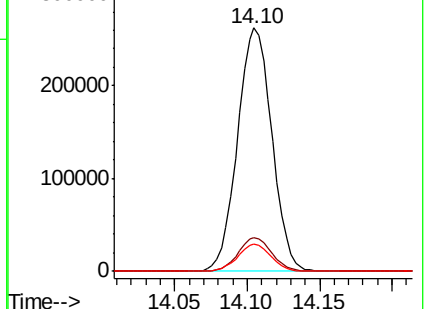
129 10.8 8.6 12.8



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: 48.574 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VU036460.D

Acq: 14 Jan 2020 23:39

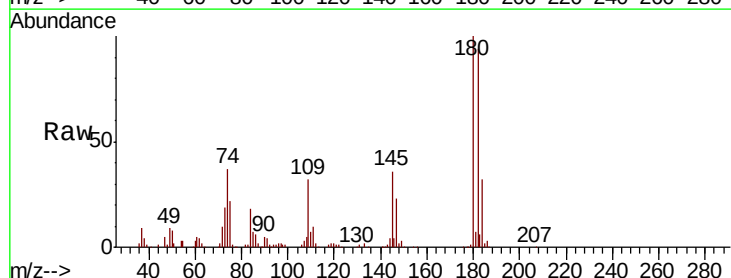
Tgt Ion:180 Resp: 143140

Ion Ratio Lower Upper

180 100

182 93.9 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

