

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\
 Data File : VU036455.D
 Acq On : 14 Jan 2020 21:09
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 00:44:41 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	512334	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	490935	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	216783	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	158096	47.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.20%
7) Chloroethane-d5	1.93	69	137354	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.54%
11) 1,1-Dichloroethene-d2	2.59	63	308133	48.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.62%
21) 2-Butanone-d5	4.68	46	285432	99.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.95%
24) Chloroform-d	5.11	84	327933	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.18%
26) 1,2-Dichloroethane-d4	5.74	65	218801	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.54%
32) Benzene-d6	5.77	84	635823	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.04%
36) 1,2-Dichloropropane-d6	6.73	67	207250	49.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.26%
41) Toluene-d8	7.93	98	608239	50.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.18%
43) trans-1,3-Dichloropropene-	8.21	79	111940	49.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.52%
47) 2-Hexanone-d5	8.67	63	217128	101.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.47%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	313953	49.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.98%
64) 1,2-Dichlorobenzene-d4	12.21	152	219872	51.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.98%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	227505	47.917	ug/L	99
3) Chloromethane	1.54	50	211073	49.370	ug/L	99
5) Vinyl chloride	1.62	62	207241	48.836	ug/L	99
6) Bromomethane	1.87	94	128178	49.671	ug/L	97
8) Chloroethane	1.95	64	120247	47.901	ug/L	99
9) Trichlorofluoromethane	2.16	101	284935	49.298	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	150051	49.102	ug/L	98
12) 1,1-Dichloroethene	2.60	96	151062	49.887	ug/L	91
13) Acetone	2.66	43	286328	92.640	ug/L	99
14) Carbon disulfide	2.82	76	487603	49.787	ug/L	100
15) Methyl Acetate	2.99	43	204703	49.526	ug/L	99
16) Methylene chloride	3.08	84	182272	48.925	ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	162284	48.883	ug/L	99
18) Methyl tert-butyl Ether	3.41	73	551735	48.768	ug/L	99
19) 1,1-Dichloroethane	3.92	63	310241	49.500	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	187441	49.245	ug/L	95
22) 2-Butanone	4.76	43	351412	100.189	ug/L	96

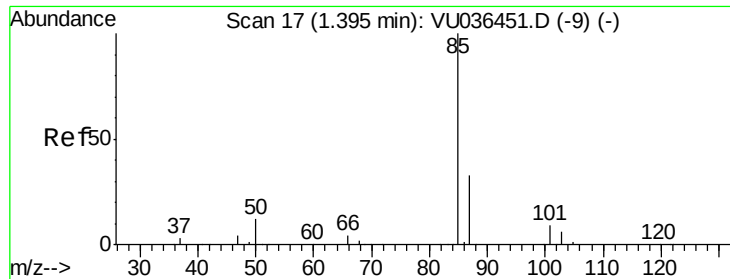
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\
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 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 00:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	90782	49.369	ug/L	99
25) Chloroform	5.13	83	334657	50.068	ug/L	99
27) 1,2-Dichloroethane	5.84	62	264493	49.962	ug/L	100
29) Cyclohexane	5.43	56	284468	48.311	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	293974	50.419	ug/L	99
31) Carbon tetrachloride	5.56	117	253260	50.680	ug/L	98
33) Benzene	5.82	78	695739	49.319	ug/L	100
34) Trichloroethene	6.58	95	198281	52.053	ug/L	98
35) Methylcyclohexane	6.80	83	288122	49.129	ug/L	99
37) 1,2-Dichloropropane	6.83	63	184099	49.241	ug/L	100
38) Bromodichloromethane	7.14	83	249766	48.541	ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	289701	47.863	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	587818	97.733	ug/L	98
42) Toluene	8.00	91	775025	50.583	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	277489	49.491	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	177610	49.699	ug/L	98
46) Tetrachloroethene	8.58	164	129823	50.667	ug/L	94
48) 2-Hexanone	8.72	43	494432	103.940	ug/L	98
49) Dibromochloromethane	8.84	129	204961	51.560	ug/L	98
50) 1,2-Dibromoethane	8.95	107	204434	50.465	ug/L	99
51) Chlorobenzene	9.47	112	487548	50.604	ug/L	99
52) Ethylbenzene	9.60	91	863165	50.438	ug/L	99
53) m,p-Xylene	9.72	106	328771	51.374	ug/L	97
54) o-xylene	10.12	106	318044	49.782	ug/L	97
55) Styrene	10.14	104	530092	51.159	ug/L	98
56) Isopropylbenzene	10.51	105	836454	51.012	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	302023	48.599	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	254349	49.333	ug/L	97
61) Bromoform	10.32	173	146534	49.634	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	355588	52.091	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	352105	51.334	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	347665	51.634	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	73632	49.728	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	215648	52.242	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	163110	53.620	ug/L	98
69) Naphthalene	14.10	128	565547	55.019	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	169854	53.823	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 47.917 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

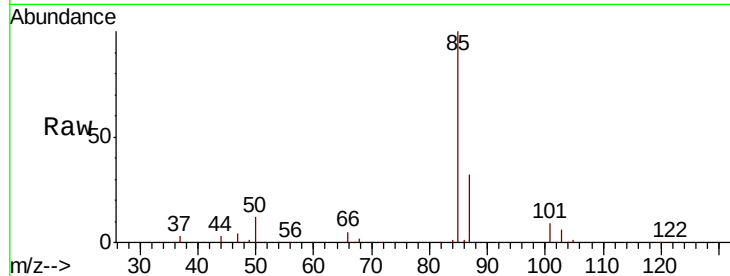
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 227505

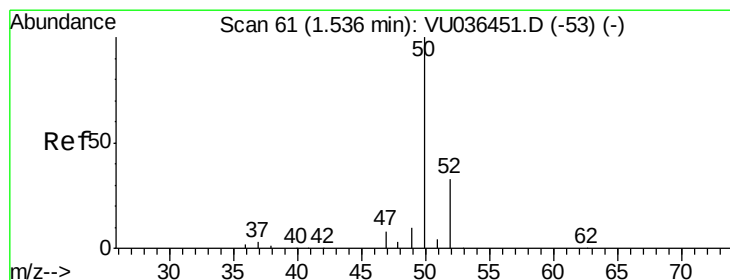
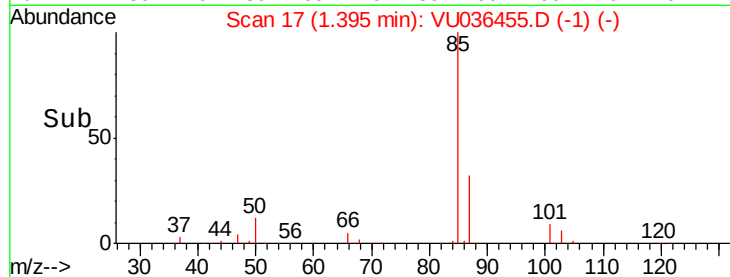
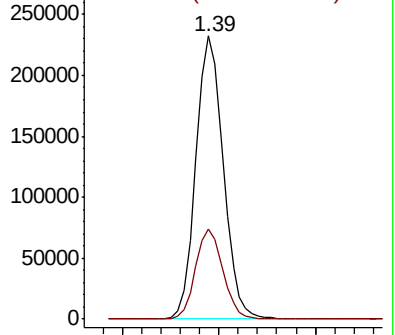
Ion Ratio Lower Upper

85 100

87 31.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036455.D (-9) (-)



#3

Chloromethane

Concen: 49.370 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036455.D

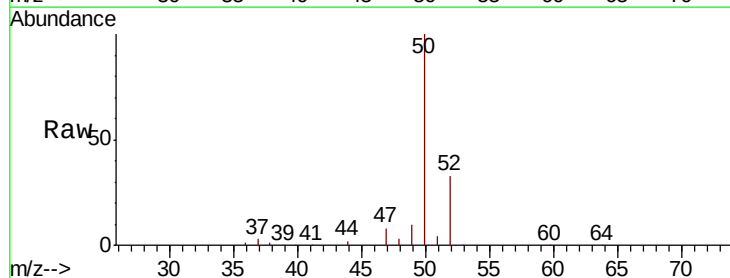
Acq: 14 Jan 2020 21:09

Tgt Ion: 50 Resp: 211073

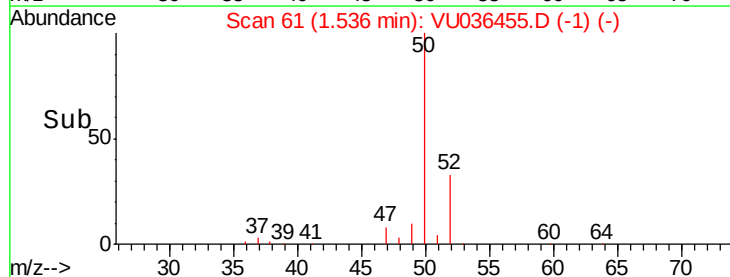
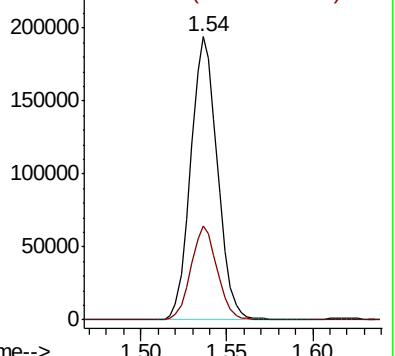
Ion Ratio Lower Upper

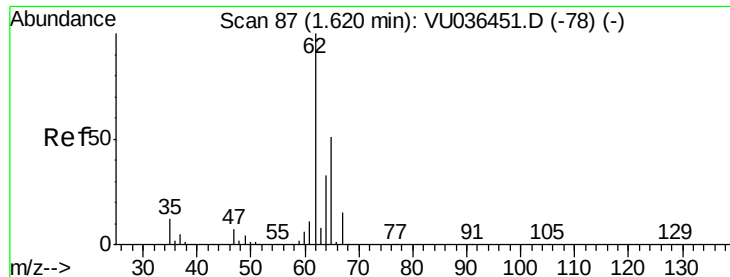
50 100

52 33.0 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU036455.D (-53) (-)





#5

Vinyl chloride

Concen: 48.836 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

Instrument :

MSVOA_U

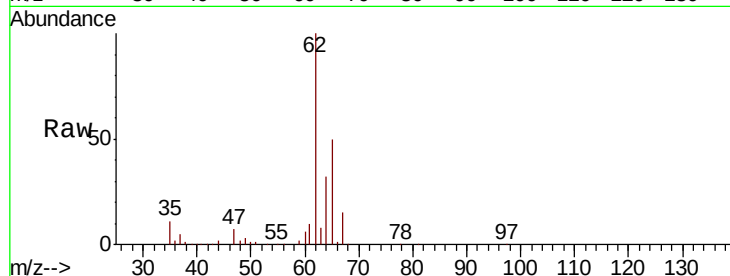
ClientSampleId :

Tot Ion: 62 Resp: 207241

Ion Ratio Lower Upper

62 100

64 32.3 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU036455.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036455.D (-78) (-)

200000

150000

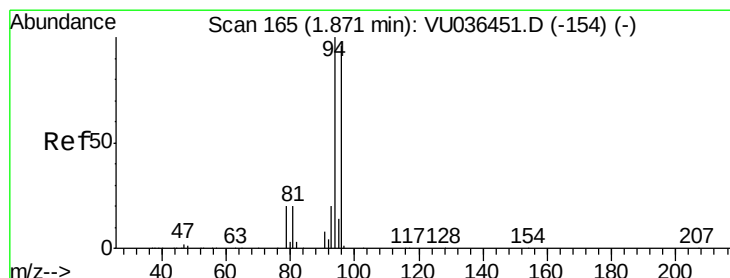
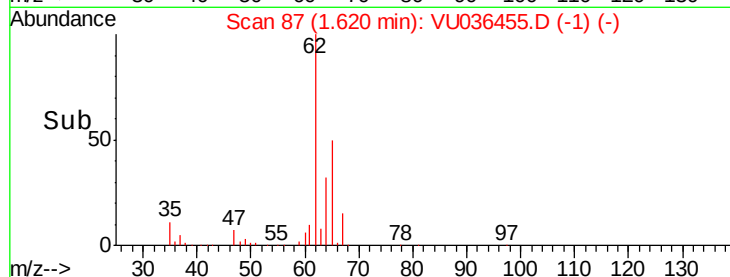
100000

50000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 49.671 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU036455.D

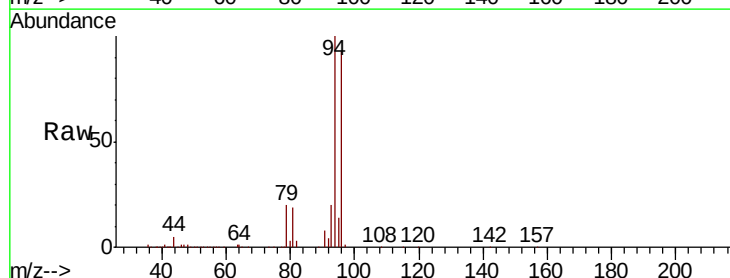
Acq: 14 Jan 2020 21:09

Tgt Ion: 94 Resp: 128178

Ion Ratio Lower Upper

94 100

96 93.1 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VU036455.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU036455.D (-154) (-)

100000

80000

60000

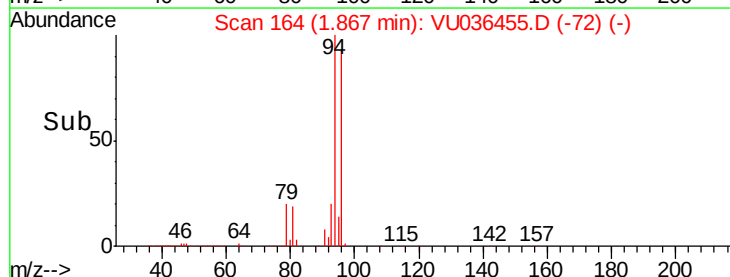
40000

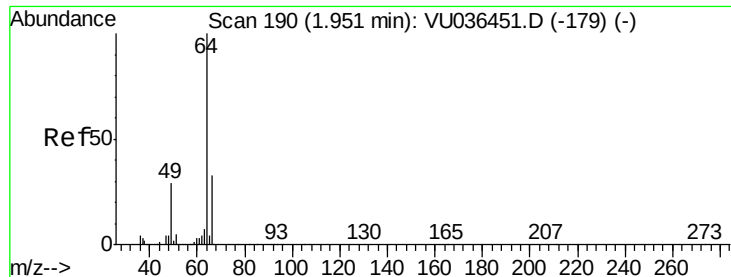
20000

0

1.80 1.85 1.90 1.95

Time-->





#8

Chloroethane

Concen: 47.901 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

Instrument :

MSVOA_U

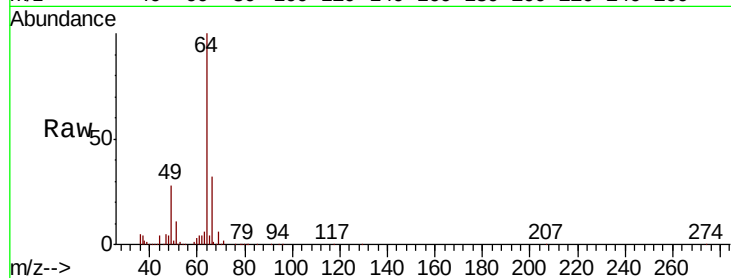
ClientSampleId :

Tot Ion: 64 Resp: 120247

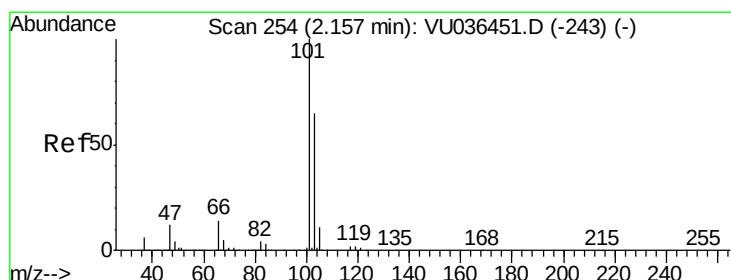
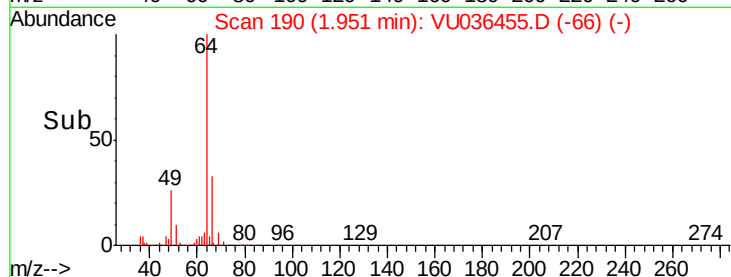
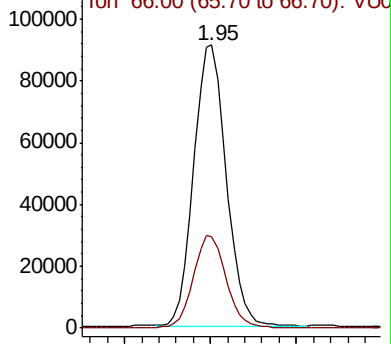
Ion Ratio Lower Upper

64 100

66 32.4 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VU036455.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 49.298 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036455.D

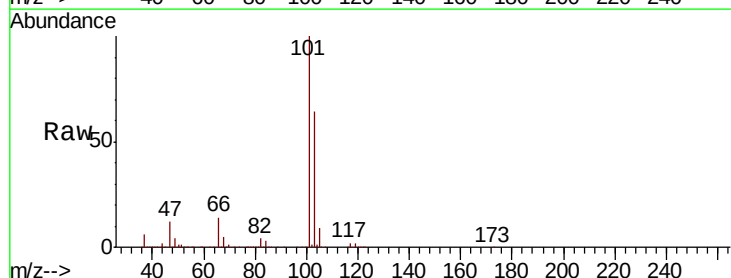
Acq: 14 Jan 2020 21:09

Tgt Ion: 101 Resp: 284935

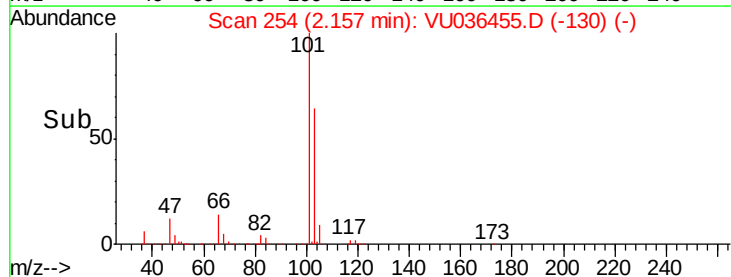
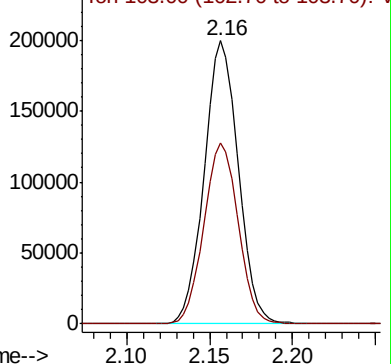
Ion Ratio Lower Upper

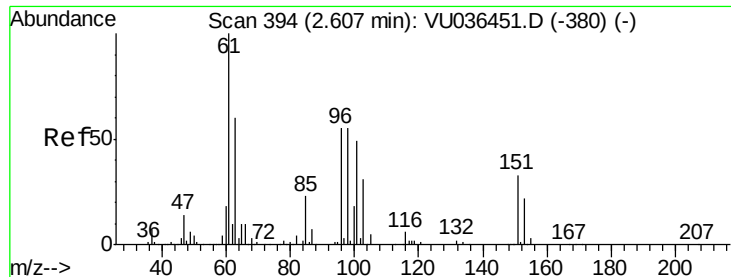
101 100

103 64.5 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VU036455.D (-243) (-)





#10

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

Concen: 49.102 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

Instrument :

MSVOA_U

ClientSampleId :

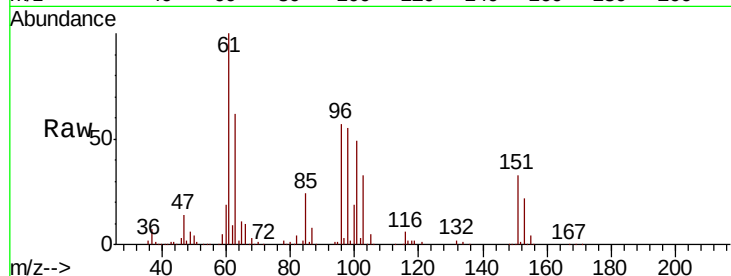
Tot Ion:101 Resp: 150051

Ion Ratio Lower Upper

101 100

85 46.8 36.7 55.1

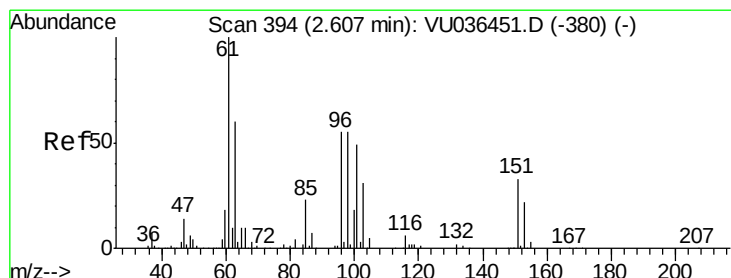
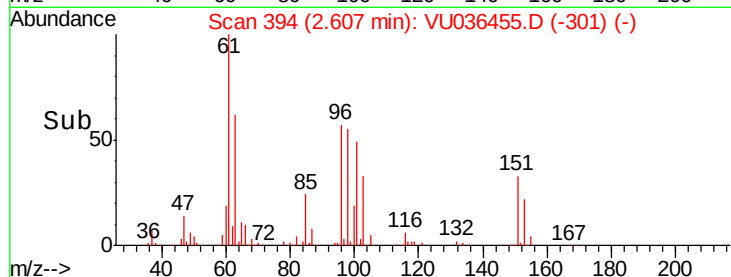
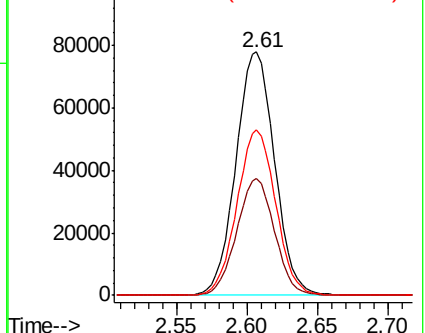
151 68.0 53.3 79.9



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: 49.887 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

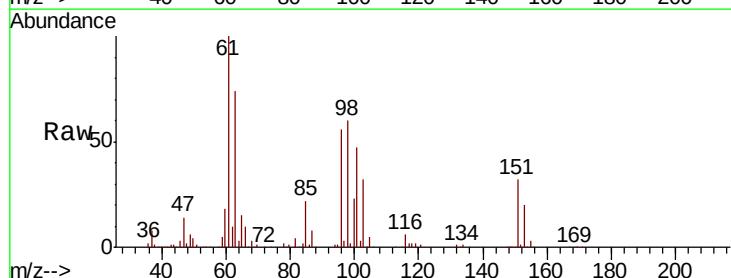
Tgt Ion: 96 Resp: 151062

Ion Ratio Lower Upper

96 100

61 179.5 128.2 238.2

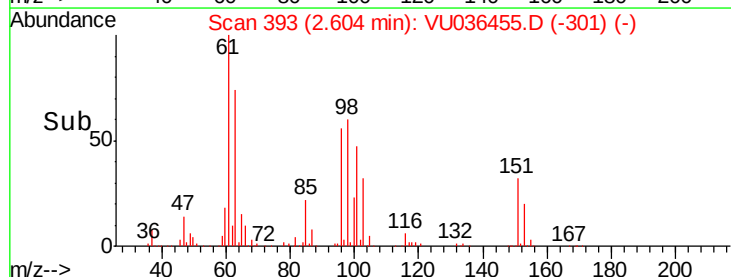
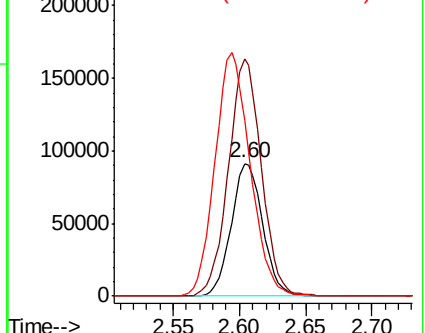
63 133.2 79.1 146.9

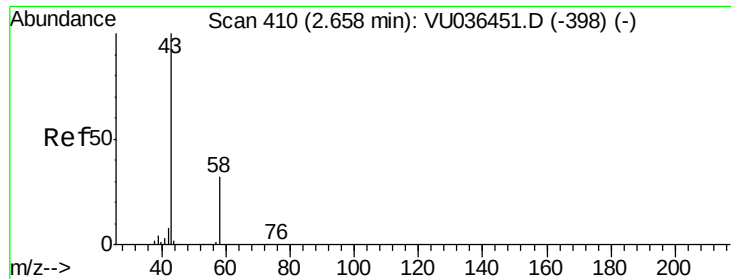


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 92.640 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

Instrument :

MSVOA_U

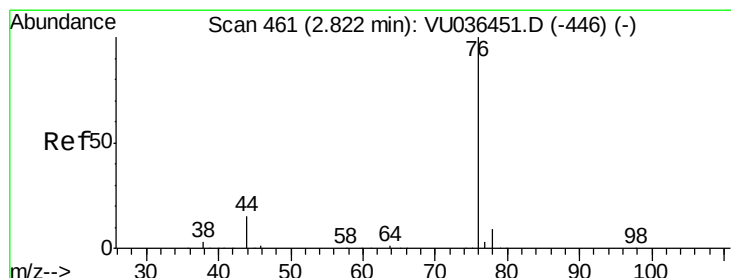
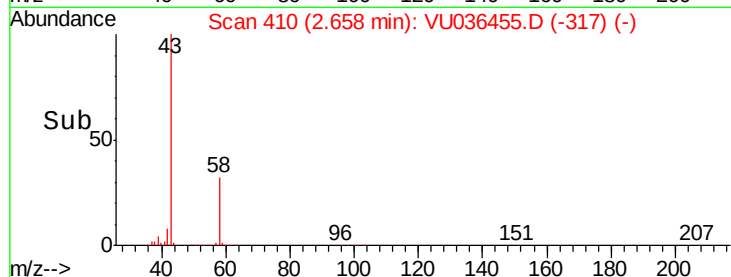
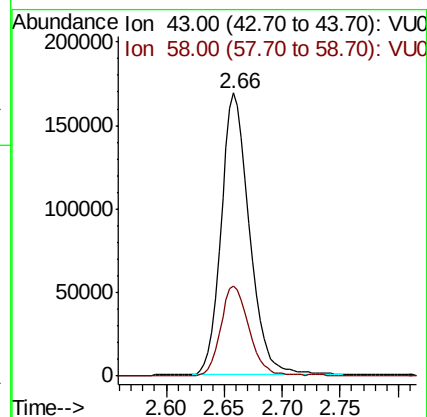
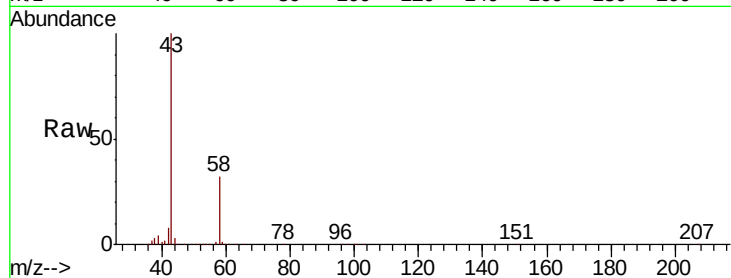
ClientSampleId :

Tot Ion: 43 Resp: 286328

Ion Ratio Lower Upper

43 100

58 32.2 0.0 65.0



#14

Carbon disulfide

Concen: 49.787 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036455.D

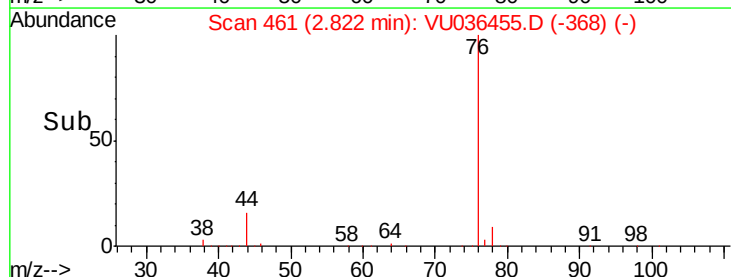
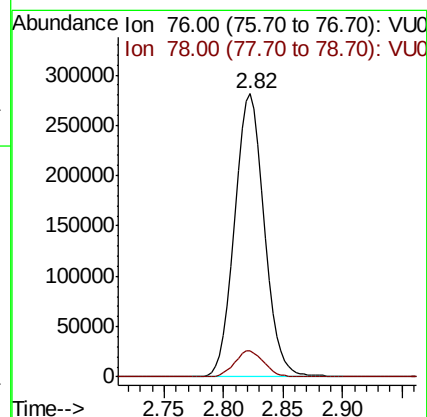
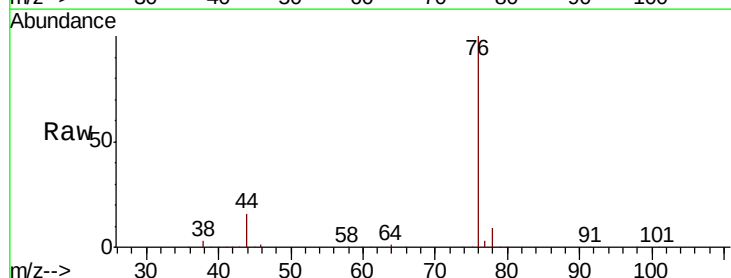
Acq: 14 Jan 2020 21:09

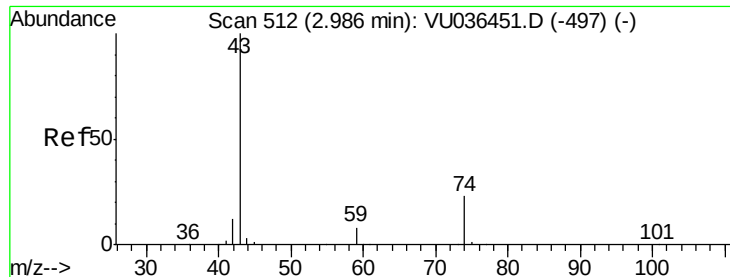
Tgt Ion: 76 Resp: 487603

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

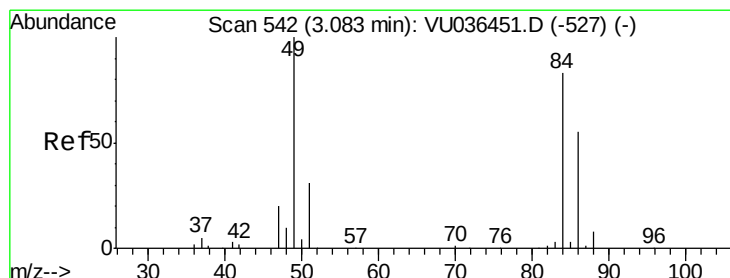
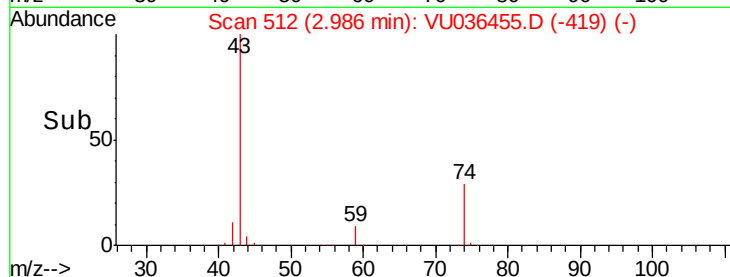
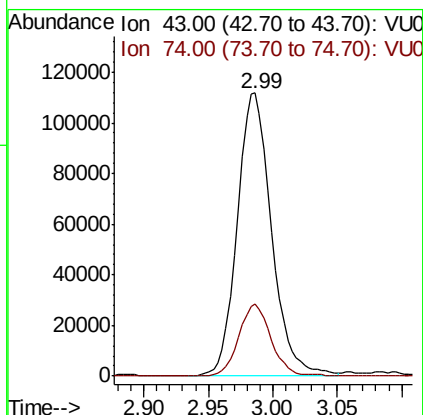
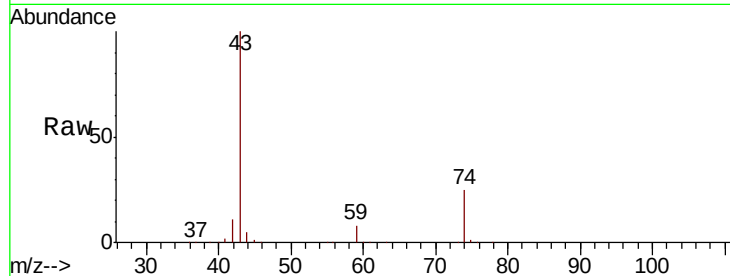




#15
Methvl Acetate
Concen: 49.526 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

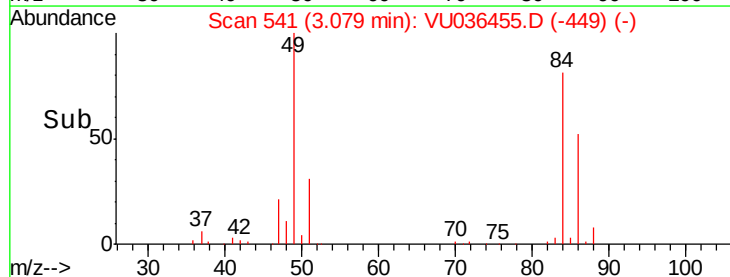
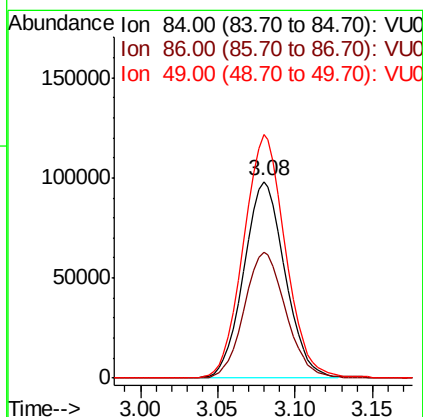
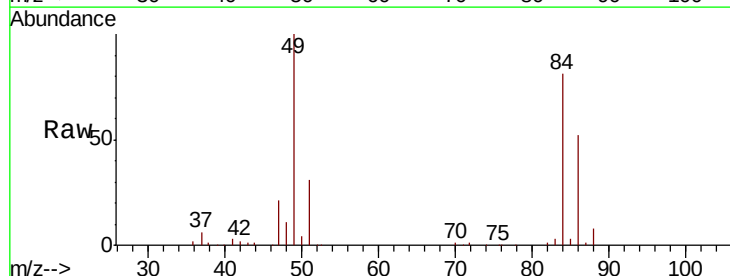
Instrument :
MSVOA_U
ClientSampled :

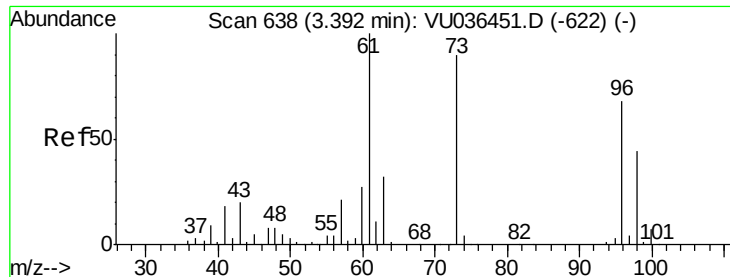
Tot Ion: 43 Resp: 204703
Ion Ratio Lower Upper
43 100
74 24.3 19.0 28.4



#16
Methylene chloride
Concen: 48.925 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

Tgt Ion: 84 Resp: 182272
Ion Ratio Lower Upper
84 100
86 63.9 46.4 86.2
49 124.0 84.5 156.9

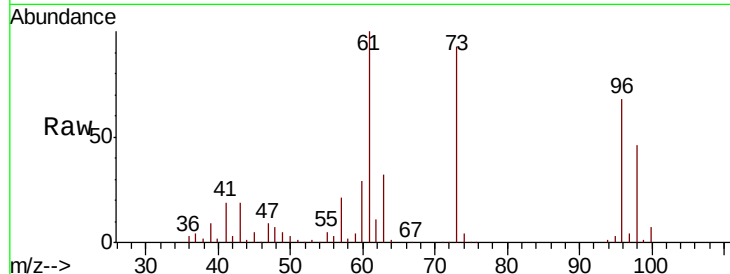




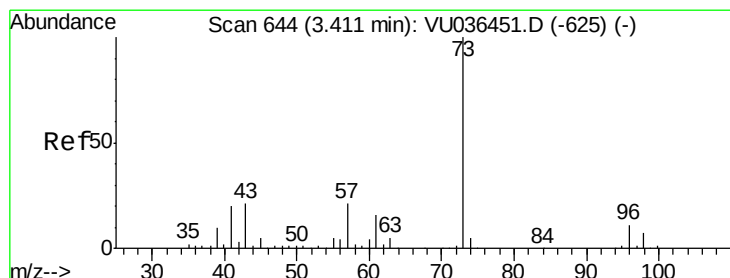
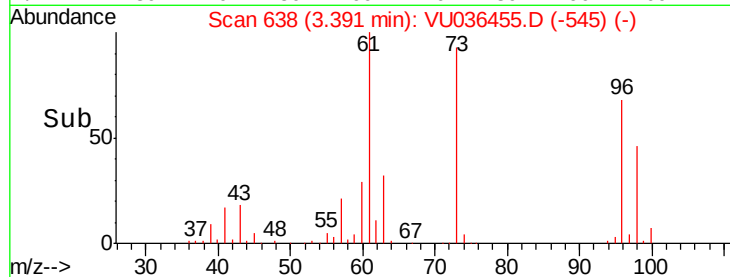
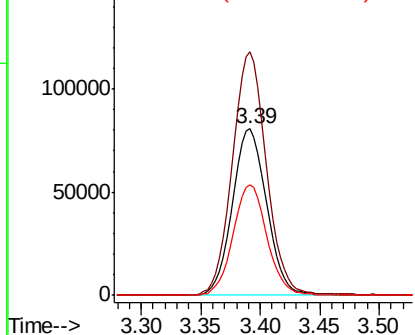
#17
trans-1,2-Dichloroethene
Concen: 48.883 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 162284
Ion Ratio Lower Upper
96 100
61 146.3 102.8 191.0
98 66.6 44.9 83.5

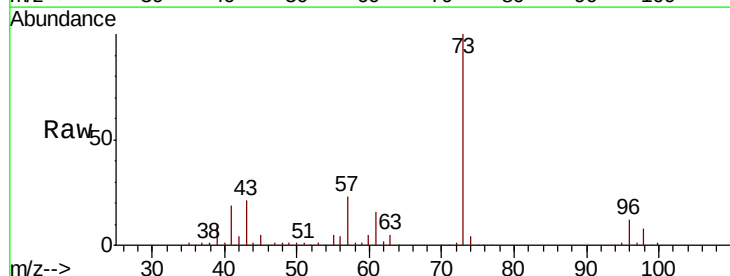


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

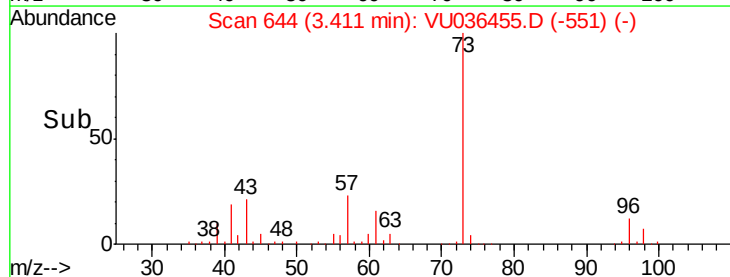
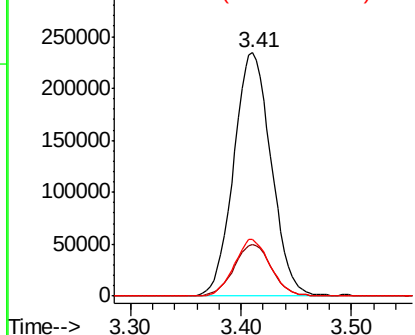


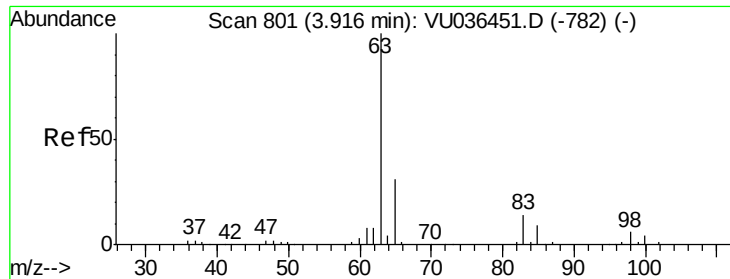
#18
Methyl tert-butyl Ether
Concen: 48.768 ug/L
RT: 3.41 min Scan# 644
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

Tgt Ion: 73 Resp: 551735
Ion Ratio Lower Upper
73 100
43 21.2 16.6 25.0
57 22.3 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: 49.500 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

Instrument :

MSVOA_U

ClientSampleId :

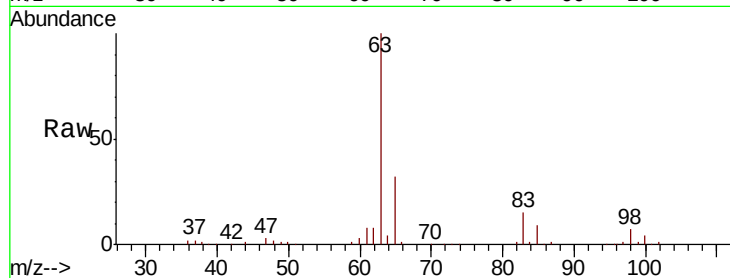
Tot Ion: 63 Resp: 310241

Ion Ratio Lower Upper

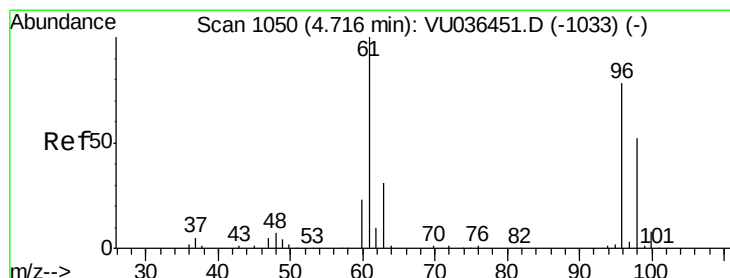
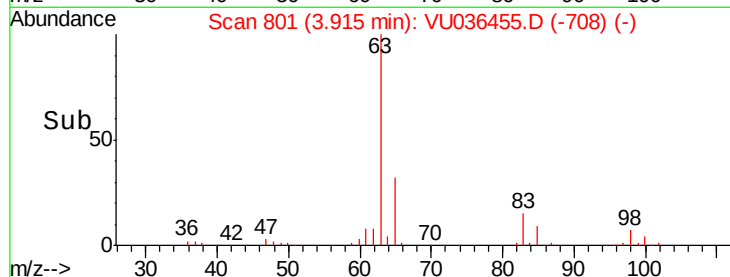
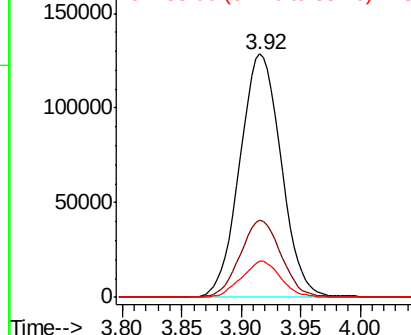
63 100

65 31.7 21.8 40.4

83 14.7 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 49.245 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

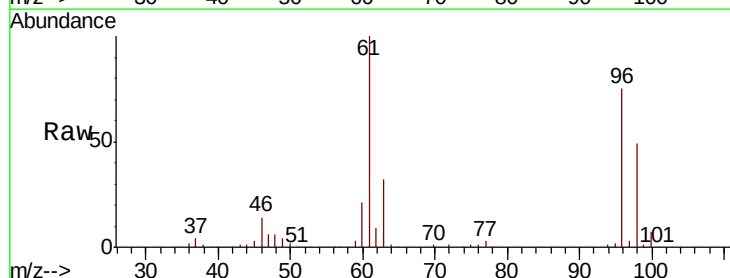
Tgt Ion: 96 Resp: 187441

Ion Ratio Lower Upper

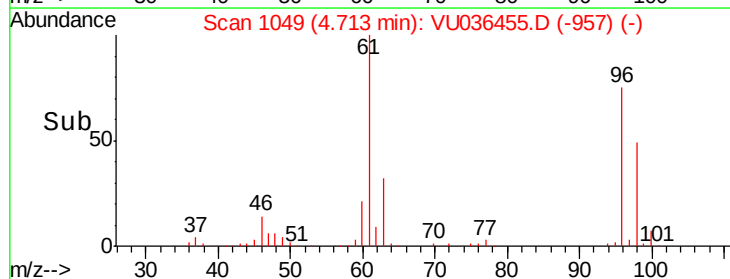
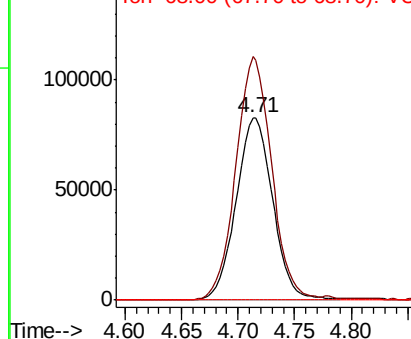
96 100

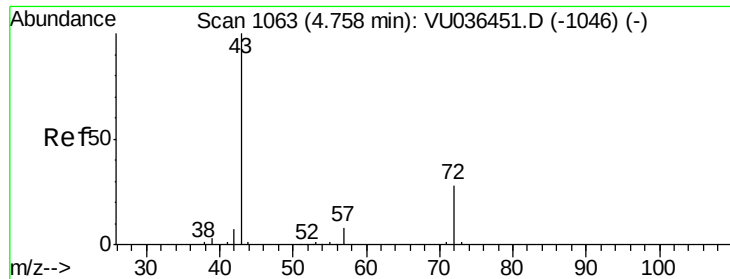
61 133.4 89.5 166.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 100.189 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

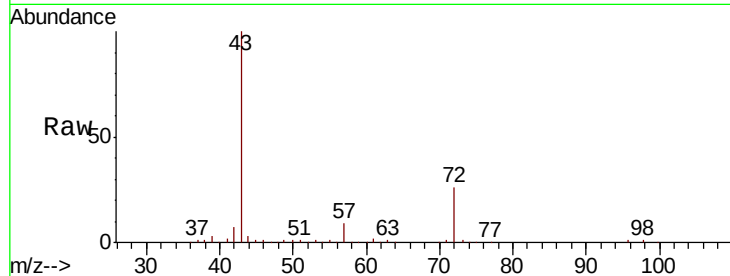
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 351412

Ion Ratio Lower Upper

43 100

72 26.3 14.1 42.4



Abundance Ion 43.00 (42.70 to 43.70): VU036455.D (-970) (-)

Ion 72.00 (71.70 to 72.70): VU036455.D (-970) (-)

4.76

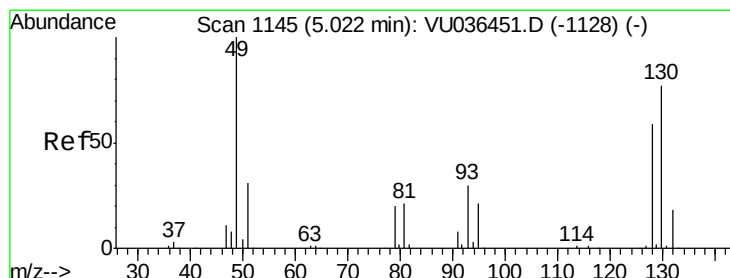
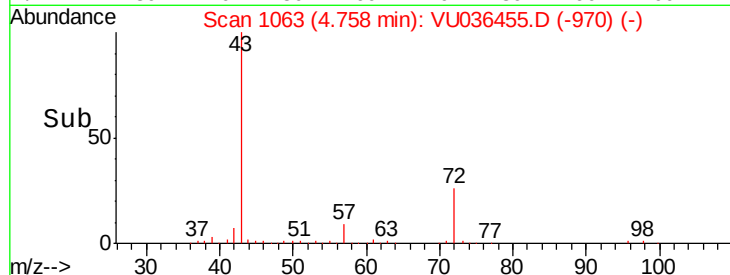
150000

100000

50000

0

Time--> 4.65 4.70 4.75 4.80 4.85



#23

Bromochloromethane

Concen: 49.369 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

Tgt Ion:128 Resp: 90782

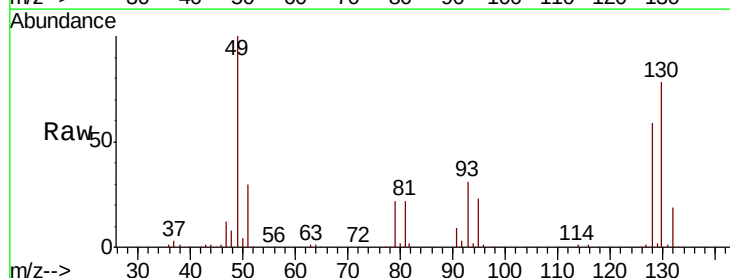
Ion Ratio Lower Upper

128 100

49 169.2 118.9 220.7

130 131.2 91.3 169.5

51 50.9 42.6 63.8



Abundance Ion 128.00 (127.70 to 128.70): VU036455.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU036455.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU036455.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU036455.D (-1052) (-)

100000

80000

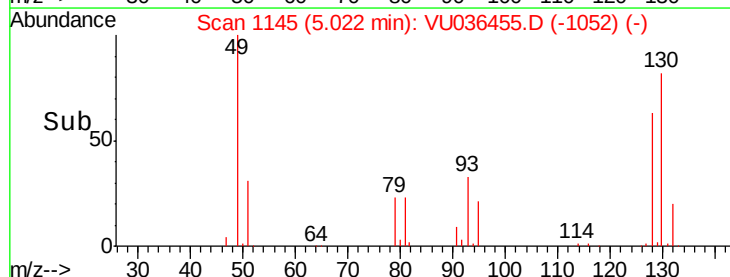
60000

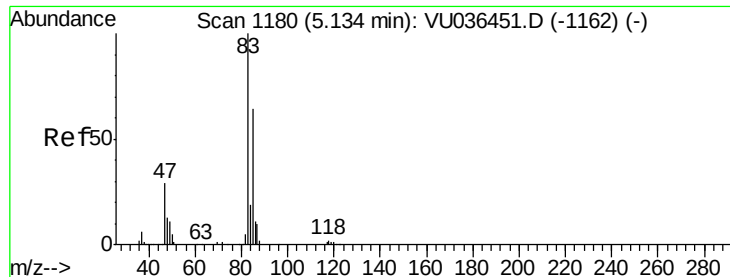
40000

20000

0

Time--> 4.95 5.00 5.05 5.10

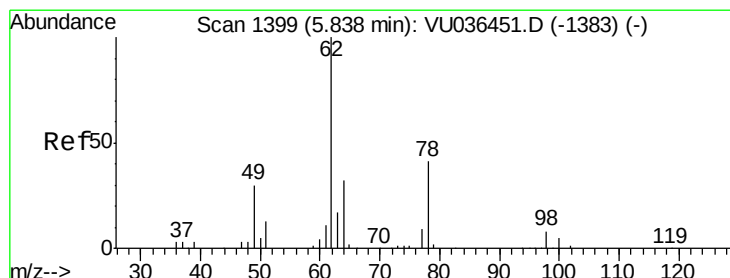
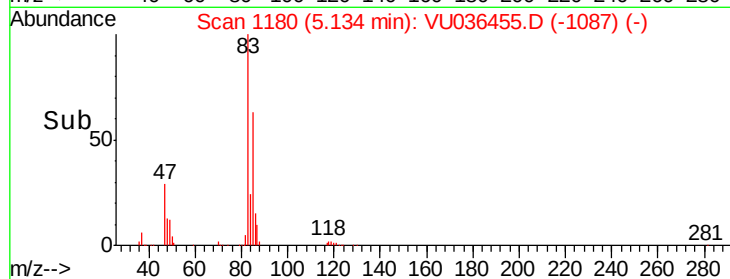
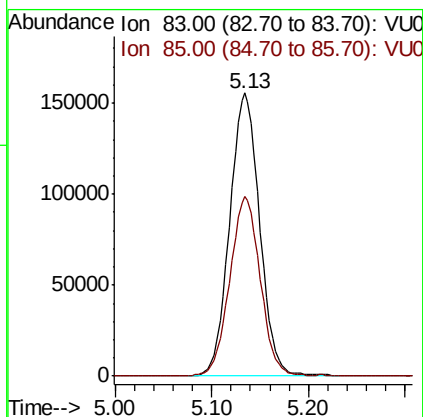
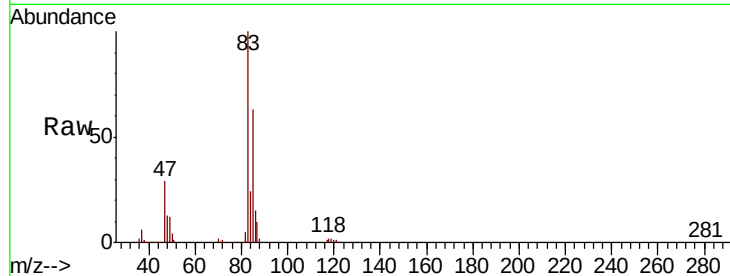




#25
Chloroform
Concen: 50.068 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

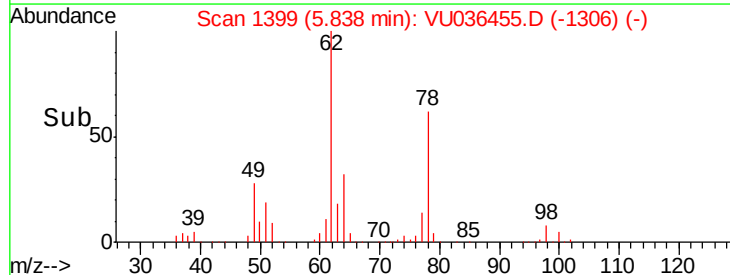
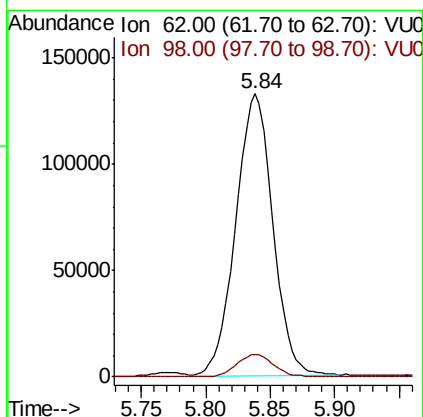
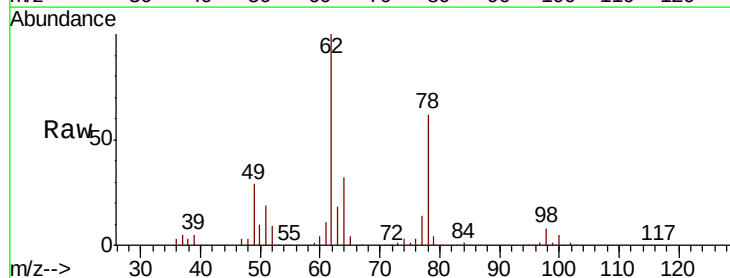
Instrument :
MSVOA_U
ClientSampleId :

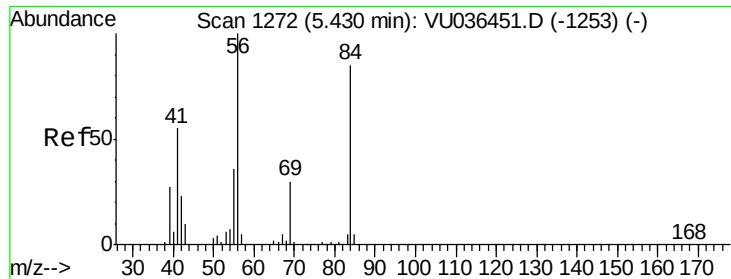
Tot Ion: 83 Resp: 334657
Ion Ratio Lower Upper
83 100
85 63.4 45.1 83.9



#27
1,2-Dichloroethane
Concen: 49.962 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

Tgt Ion: 62 Resp: 264493
Ion Ratio Lower Upper
62 100
98 8.1 6.6 9.8

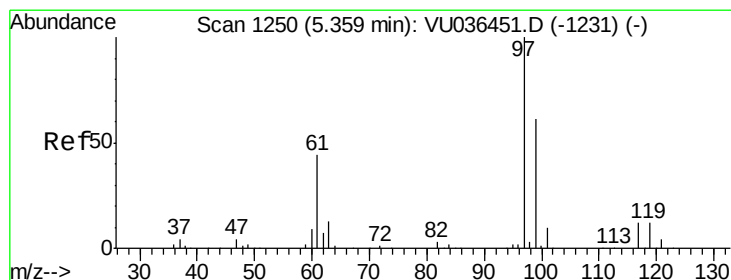
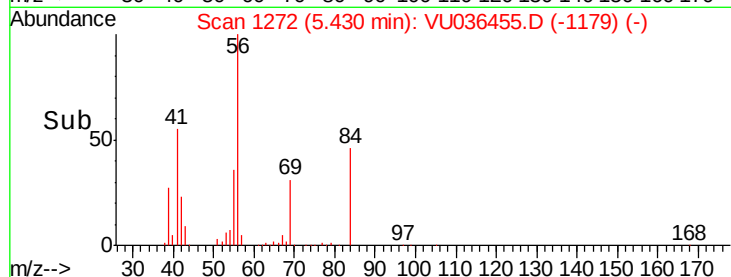
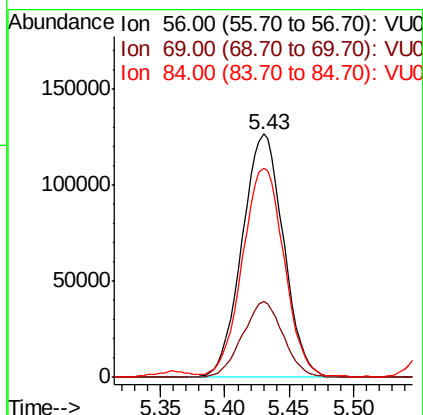
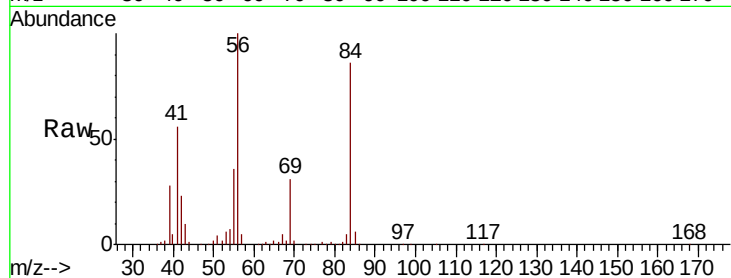




#29
Cyclohexane
Concen: 48.311 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

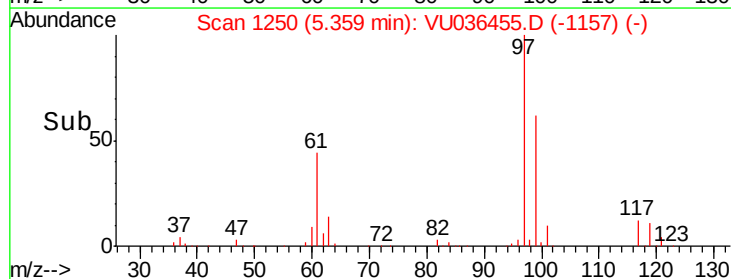
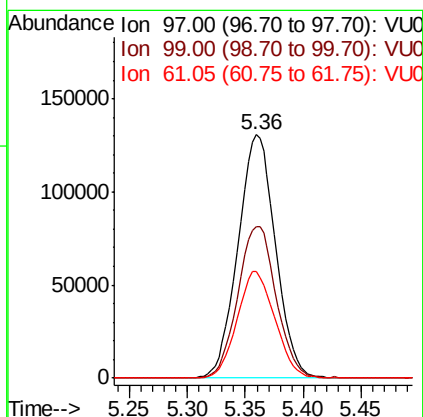
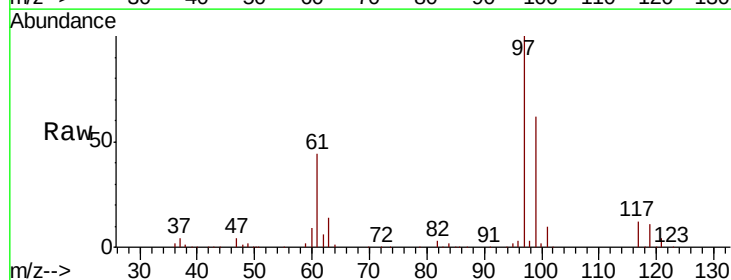
Instrument :
MSVOA_U
ClientSampleId :

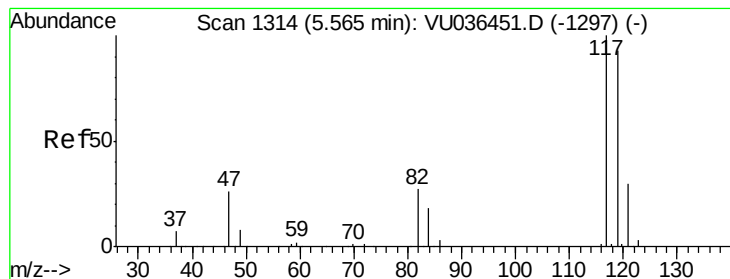
Tot Ion: 56 Resp: 284468
Ion Ratio Lower Upper
56 100
69 30.7 24.6 36.8
84 85.8 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 50.419 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

Tgt Ion: 97 Resp: 293974
Ion Ratio Lower Upper
97 100
99 63.8 50.2 75.2
61 44.0 35.3 52.9





#31

Carbon tetrachloride

Concen: 50.680 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

Instrument :

MSVOA_U

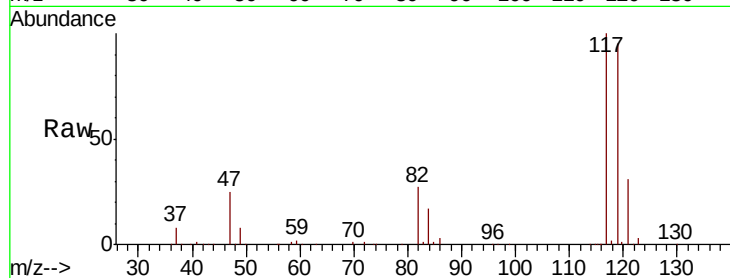
ClientSampleId :

Tot Ion:117 Resp: 253260

Ion Ratio Lower Upper

117 100

119 95.2 74.3 111.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.56

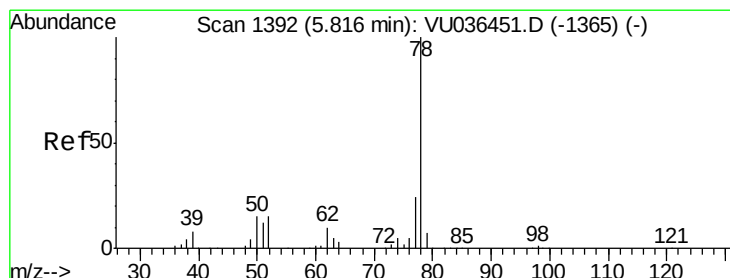
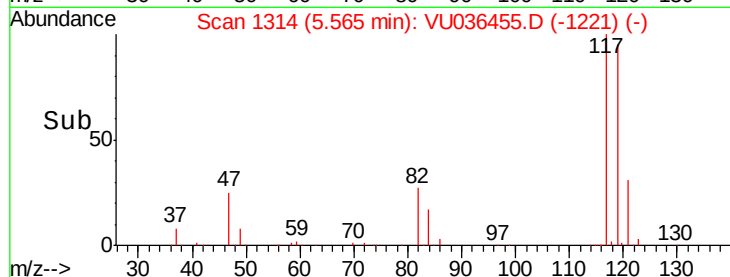
100000

50000

0

Time-->

5.50 5.55 5.60 5.65



#33

Benzene

Concen: 49.319 ug/L

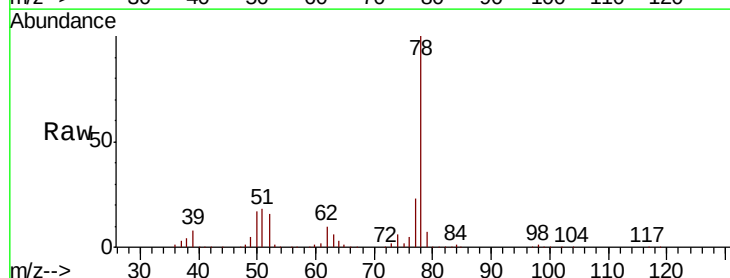
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

Tgt Ion: 78 Resp: 695739



Abundance Ion 78.00 (77.70 to 78.70): VU0

400000

300000

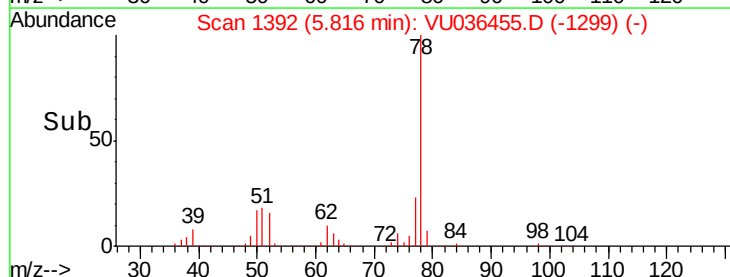
200000

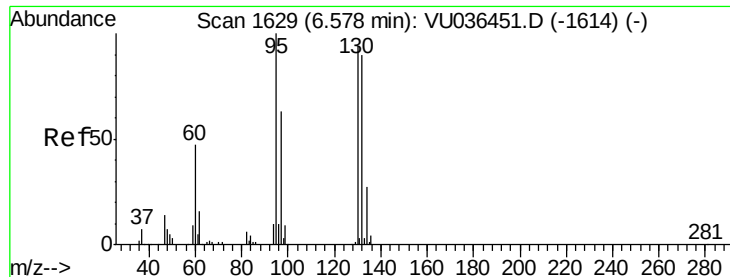
100000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 52.053 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 198281

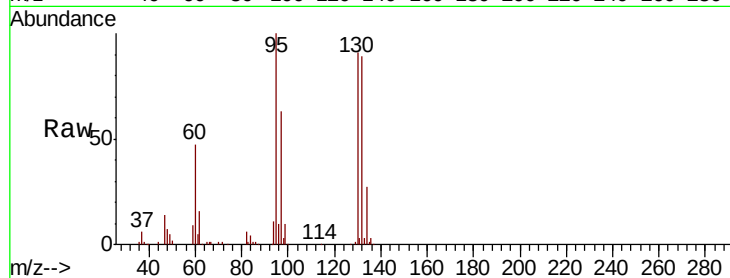
Ion Ratio Lower Upper

95 100

97 62.6 44.2 82.2

132 88.8 62.8 116.6

130 91.1 66.1 122.7

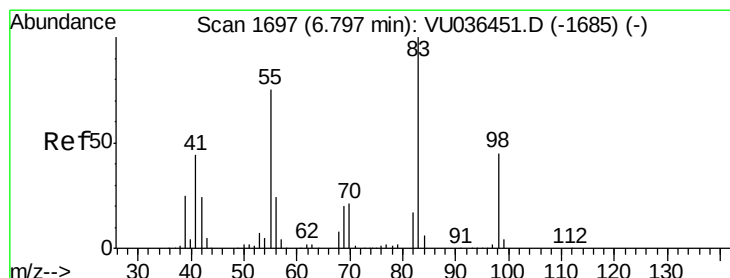
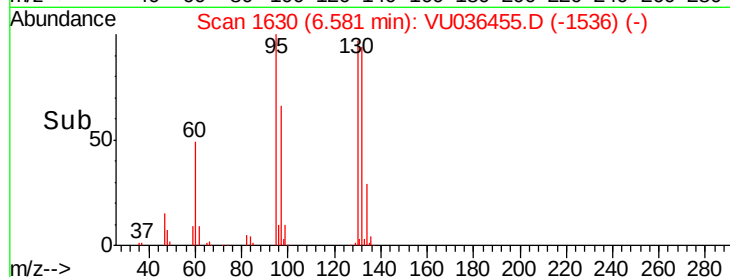
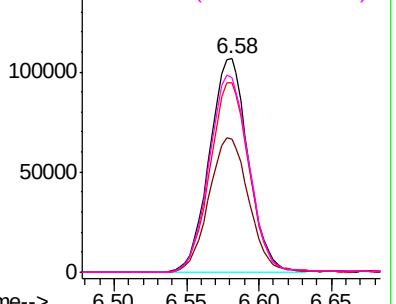


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.129 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

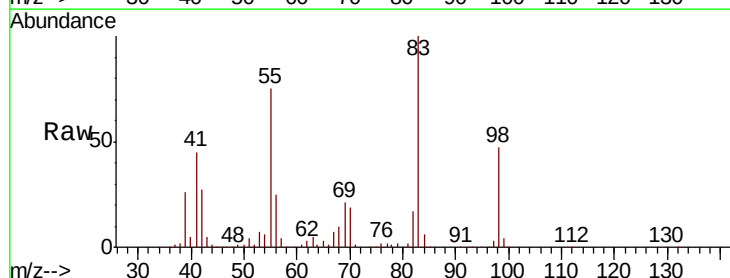
Tgt Ion: 83 Resp: 288122

Ion Ratio Lower Upper

83 100

55 73.9 59.9 89.9

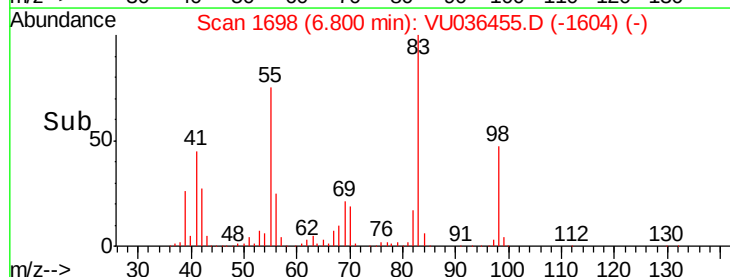
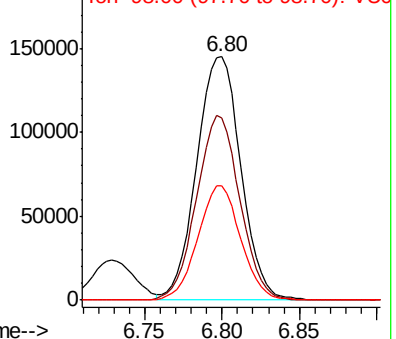
98 45.7 36.4 54.6

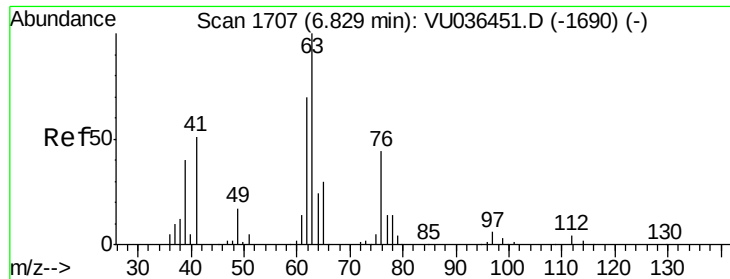


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

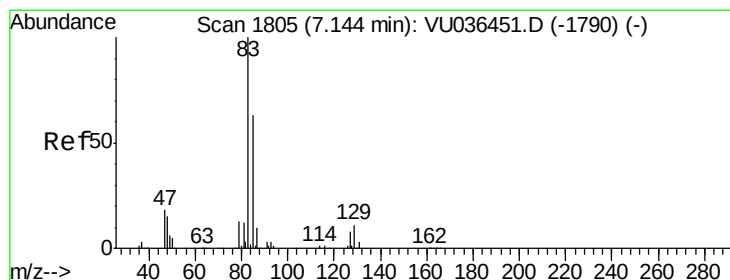
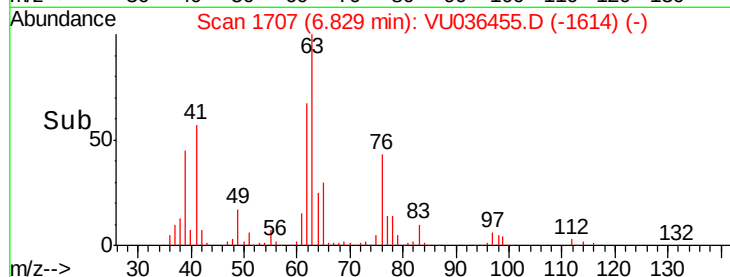
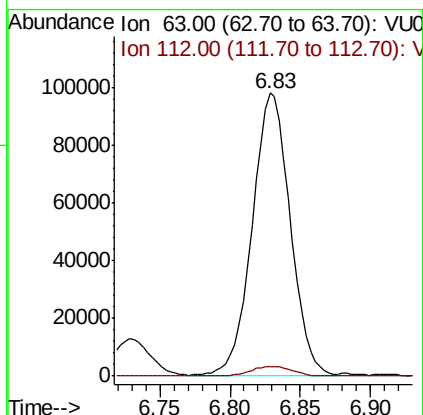
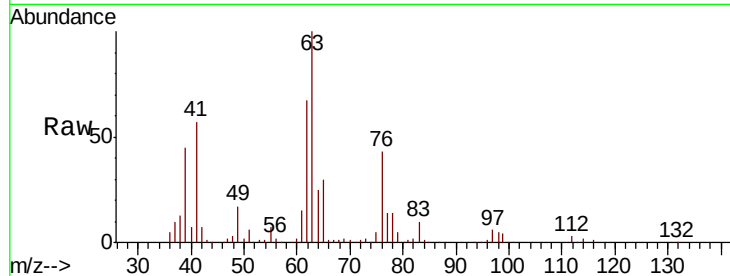




#37
 1,2-Dichloropropane
 Concen: 49.241 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036455.D
 Acq: 14 Jan 2020 21:09

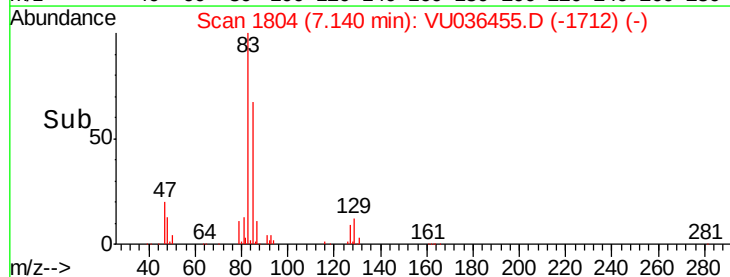
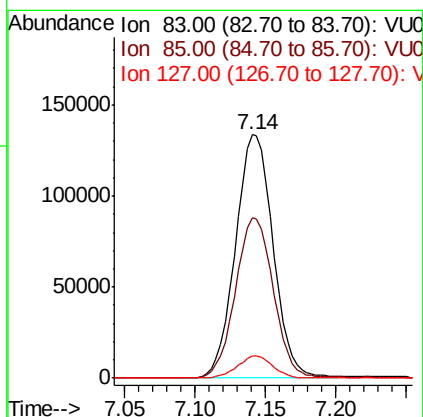
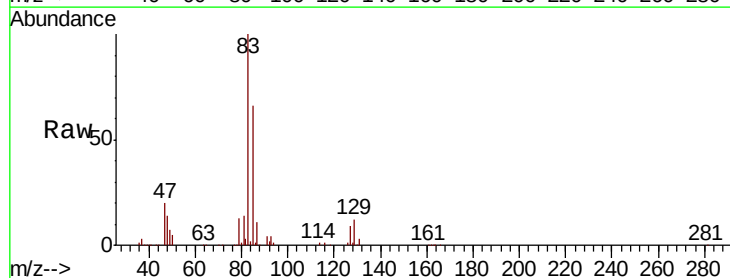
Instrument :
 MSVOA_U
 ClientSampled :

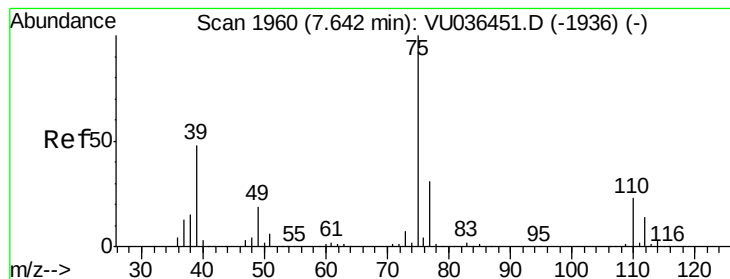
Tot Ion: 63 Resp: 184099
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.4



#38
 Bromodichloromethane
 Concen: 48.541 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036455.D
 Acq: 14 Jan 2020 21:09

Tgt Ion: 83 Resp: 249766
 Ion Ratio Lower Upper
 83 100
 85 65.9 44.0 81.8
 127 8.9 6.7 10.1



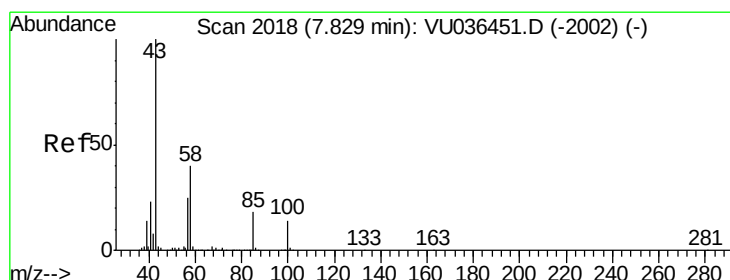
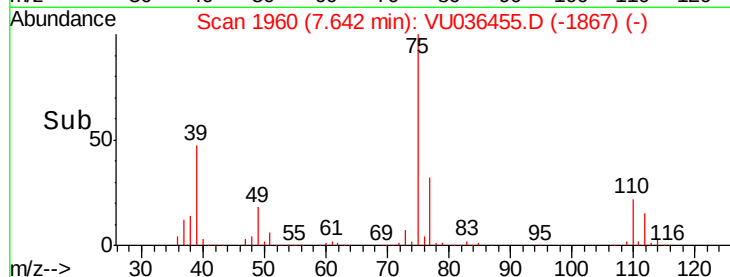
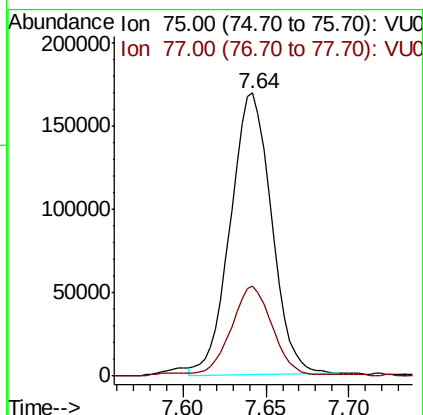
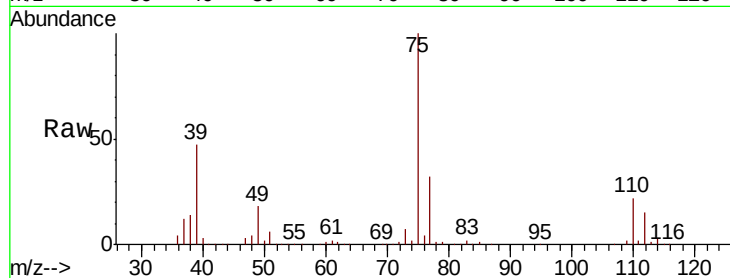


#39

cis-1,3-Dichloropropene
 Concen: 47.863 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036455.D
 Acq: 14 Jan 2020 21:09

Instrument :
 MSVOA_U
 ClientSampleId :

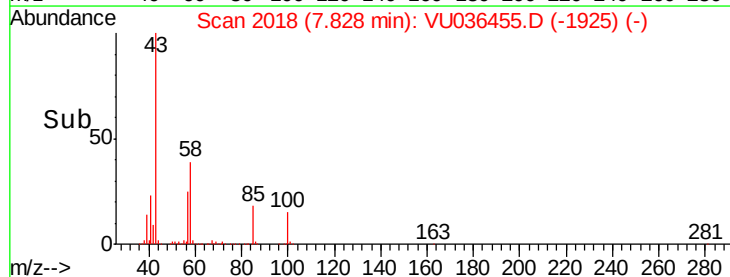
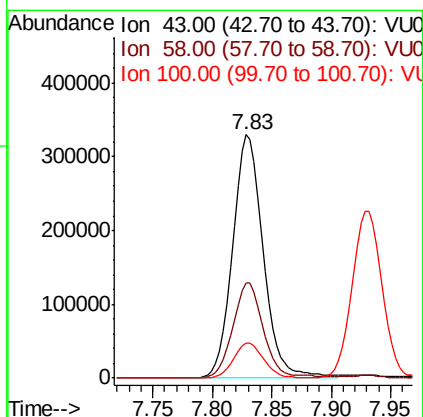
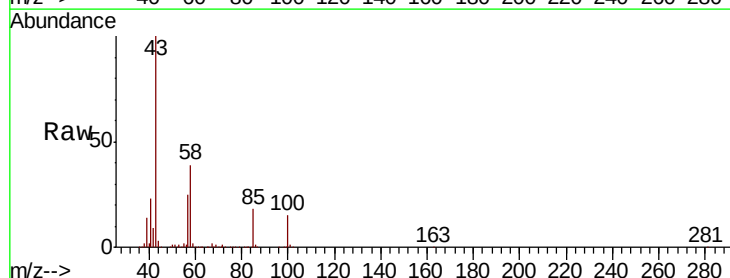
Tot Ion: 75 Resp: 289701
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.8 40.4

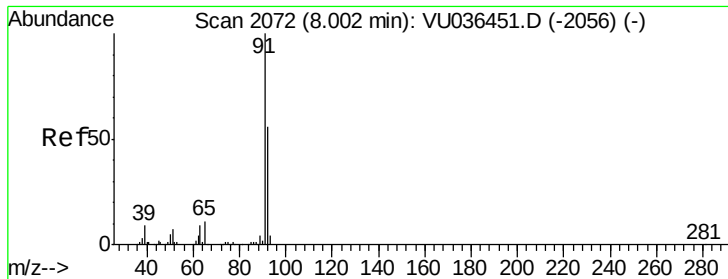


#40

4-Methyl-2-pentanone
 Concen: 97.733 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: VU036455.D
 Acq: 14 Jan 2020 21:09

Tgt Ion: 43 Resp: 587818
 Ion Ratio Lower Upper
 43 100
 58 38.6 32.0 48.0
 100 14.4 11.4 17.0





#42

Toluene

Concen: 50.583 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

Instrument :

MSVOA_U

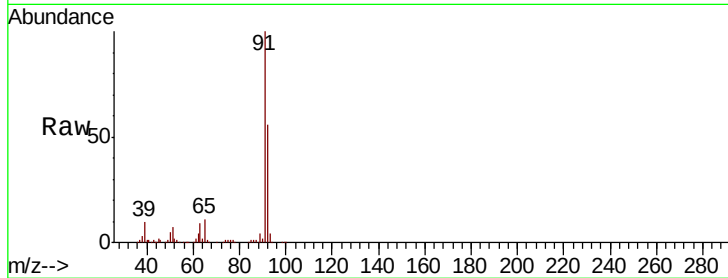
ClientSampled :

Tot Ion: 91 Resp: 775025

Ion Ratio Lower Upper

91 100

92 55.7 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU036455.D (-1979) (-)

Ion 92.00 (91.70 to 92.70): VU036455.D (-1979) (-)

8.00

500000

400000

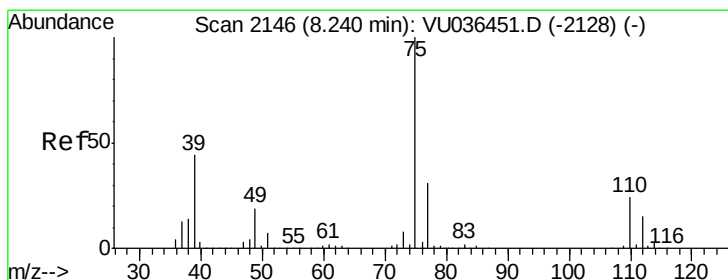
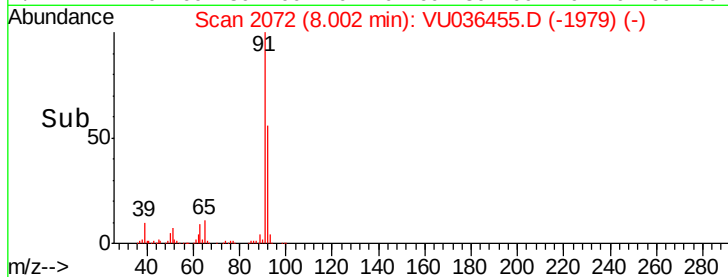
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 49.491 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036455.D

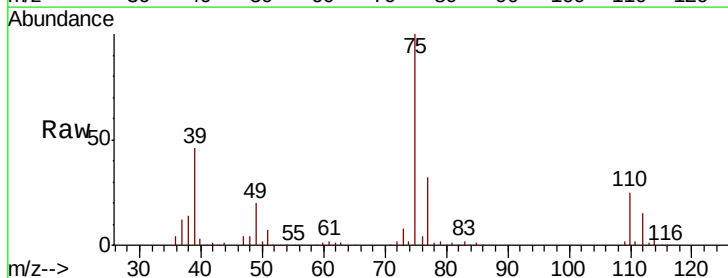
Acq: 14 Jan 2020 21:09

Tgt Ion: 75 Resp: 277489

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU036455.D (-2053) (-)

Ion 77.00 (76.70 to 77.70): VU036455.D (-2053) (-)

8.24

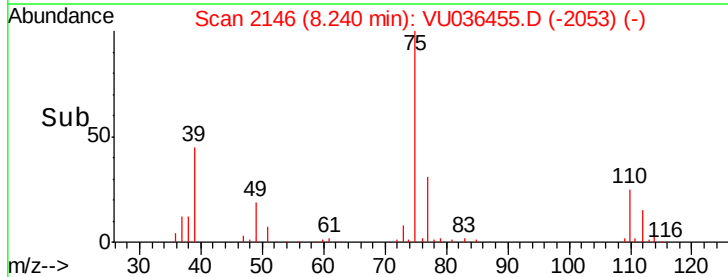
150000

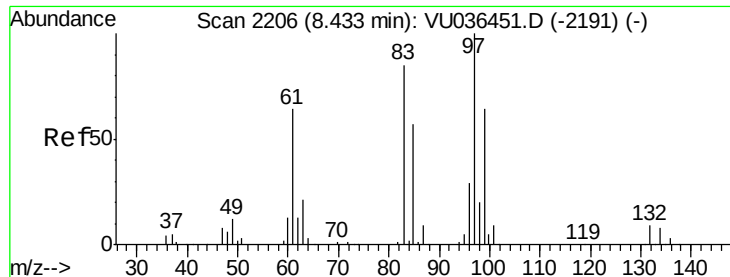
100000

50000

0

Time--> 8.15 8.20 8.25 8.30

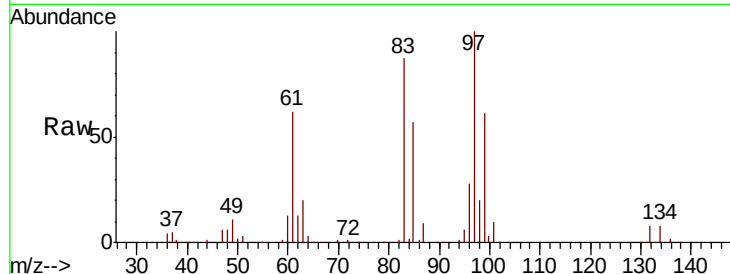




#45
1,1,2-Trichloroethane
Concen: 49.699 ug/L
RT: 8.43 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	177610
Ion	Ratio	Lower	Upper
97	100		
99	60.7	44.7	82.9
83	86.5	59.4	110.2
85	57.2	39.7	73.7



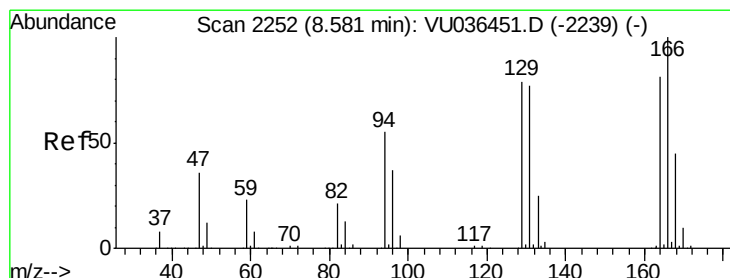
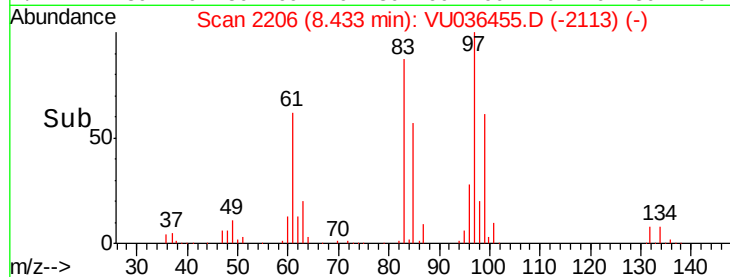
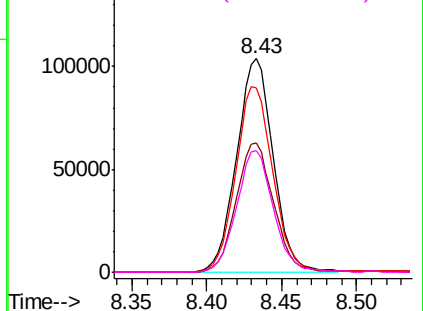
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

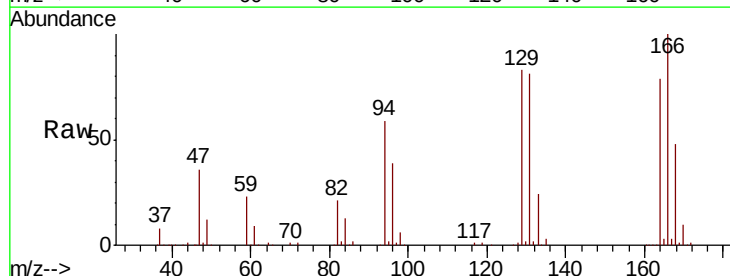
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
Tetrachloroethene
Concen: 50.667 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

Tgt Ion:	164	Resp:	129823
Ion	Ratio	Lower	Upper
164	100		
129	105.1	68.1	126.5
131	102.7	66.6	123.6
166	126.5	86.5	160.7



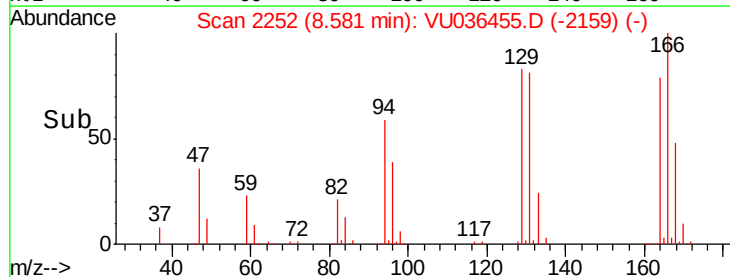
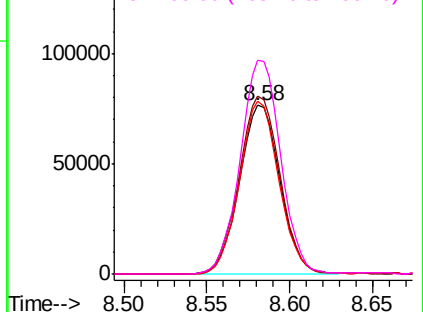
Abundance

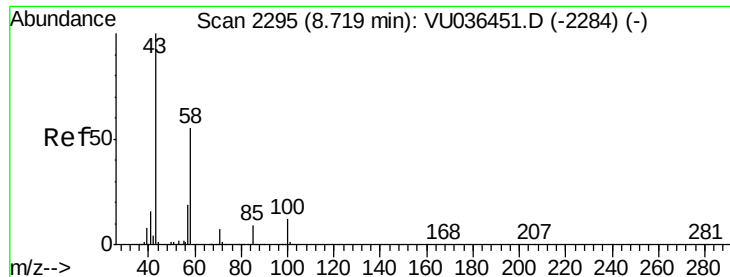
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

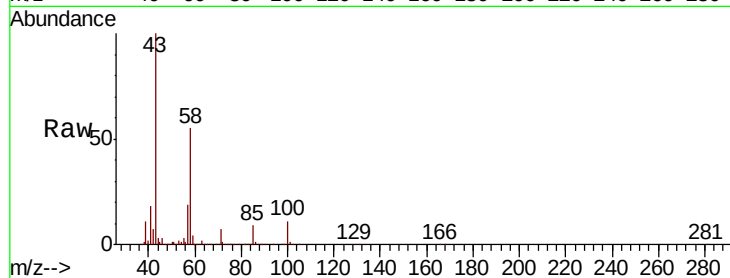




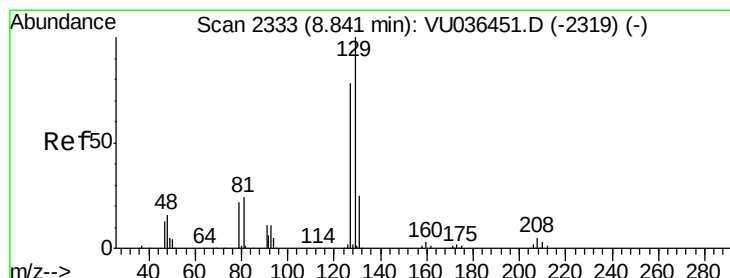
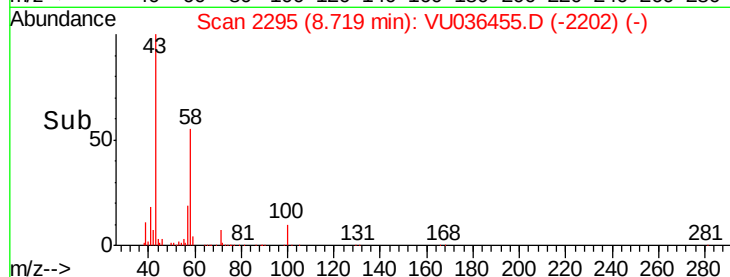
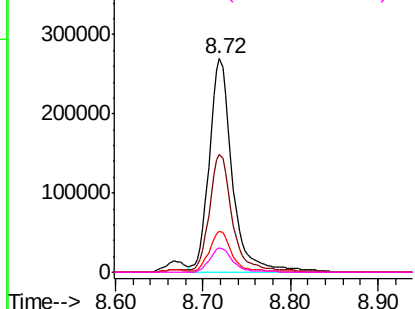
#48
2-Hexanone
Concen: 103.940 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 494432
Ion Ratio Lower Upper
43 100
58 53.4 43.7 65.5
57 16.8 14.7 22.1
100 11.0 9.4 14.0

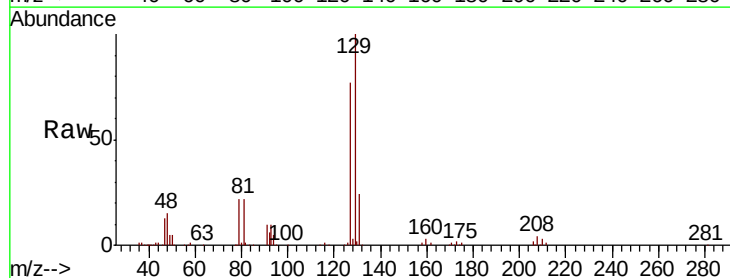


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

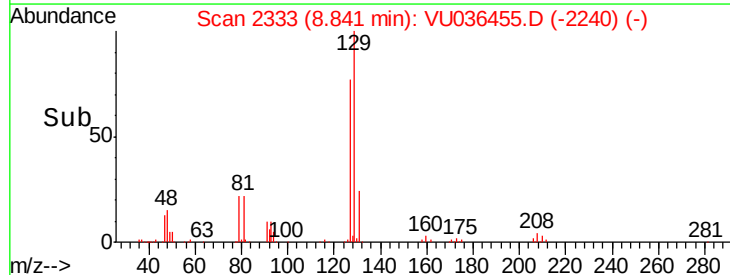
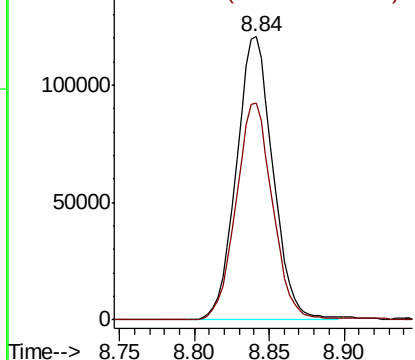


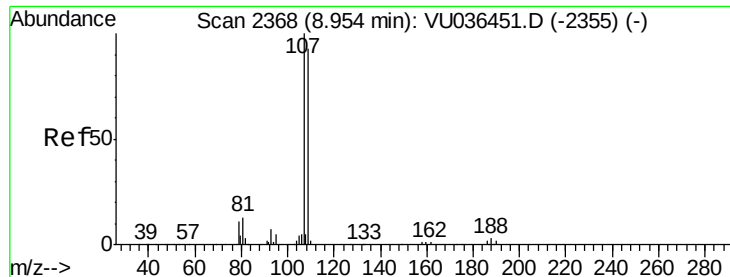
#49
Dibromochloromethane
Concen: 51.560 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

Tgt Ion: 129 Resp: 204961
Ion Ratio Lower Upper
129 100
127 76.8 54.7 101.7



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

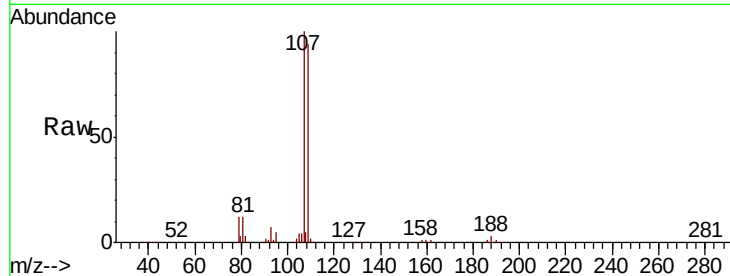




#50
1,2-Dibromoethane
Concen: 50.465 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	65.0	120.8
188	3.1	2.6	4.0

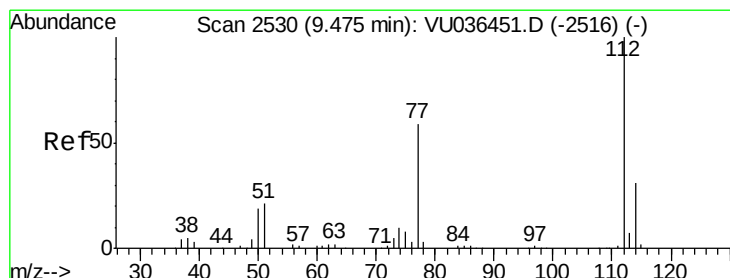
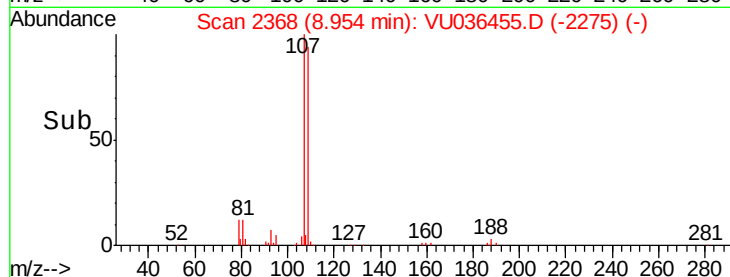
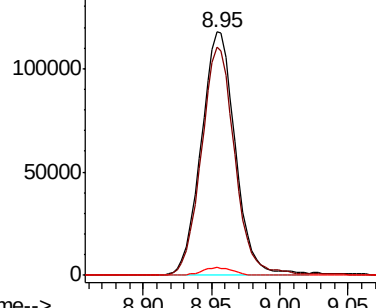


Abundance

Ion 107.00 (106.70 to 107.70): V

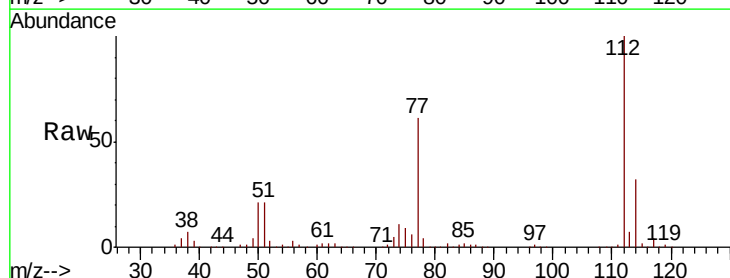
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 50.604 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.0	41.0
77	60.5	47.8	71.8

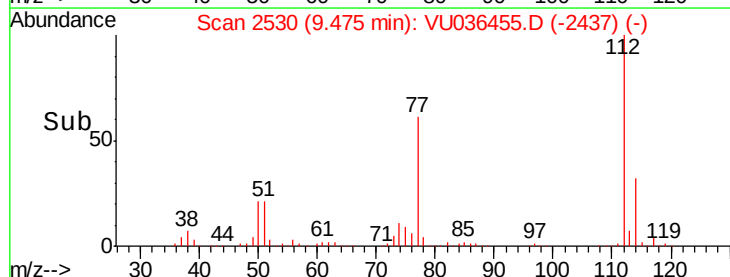
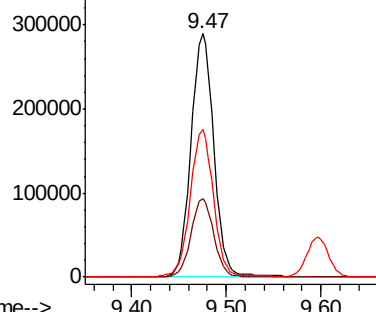


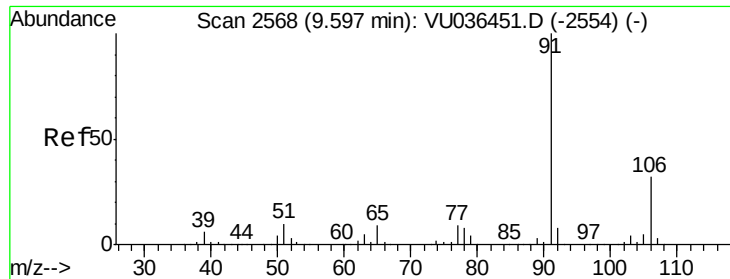
Abundance

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: 50.438 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

Instrument :

MSVOA_U

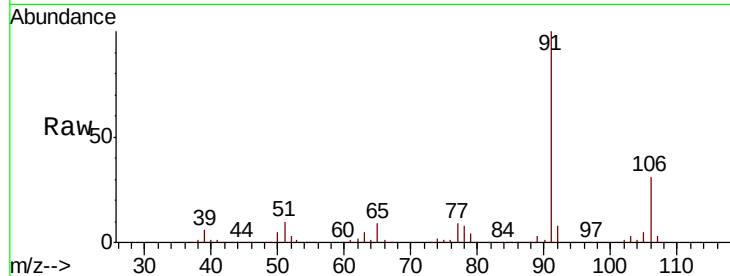
ClientSampled :

Tot Ion: 91 Resp: 863165

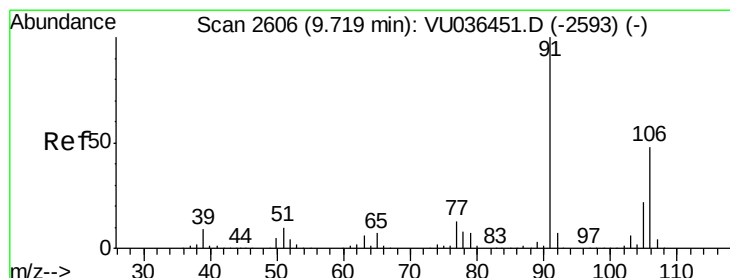
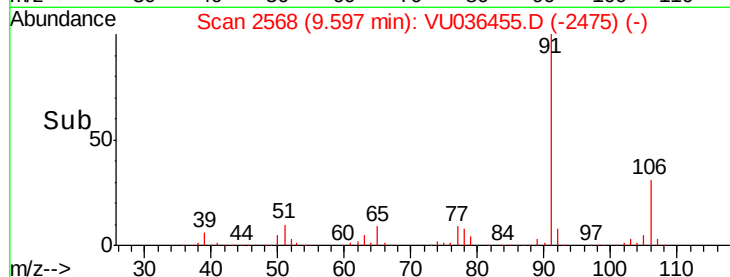
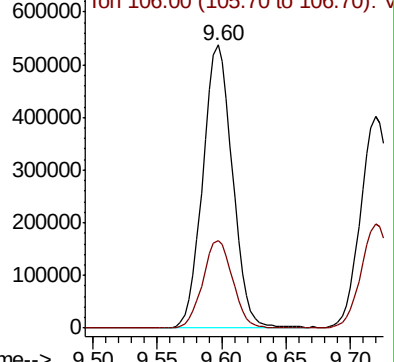
Ion Ratio Lower Upper

91 100

106 31.0 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VU036455.D (-2554) (-)



#53

m,p-Xylene

Concen: 51.374 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036455.D

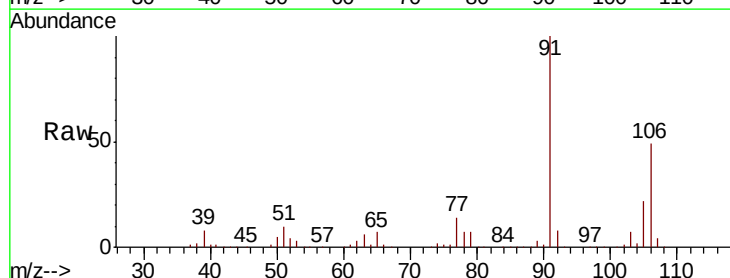
Acq: 14 Jan 2020 21:09

Tgt Ion: 106 Resp: 328771

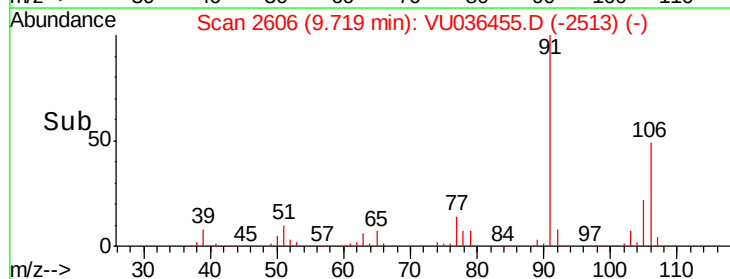
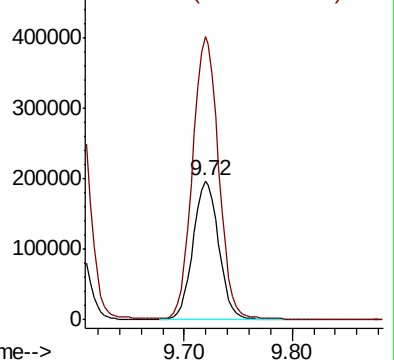
Ion Ratio Lower Upper

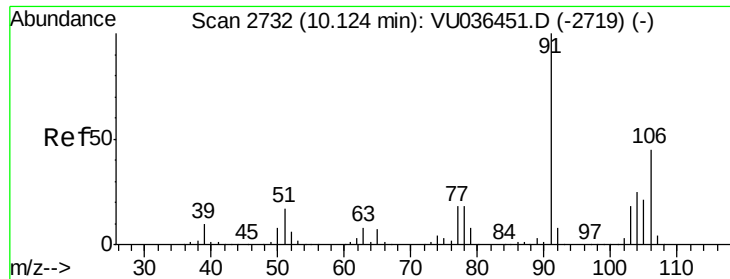
106 100

91 203.7 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036455.D (-2593) (-)

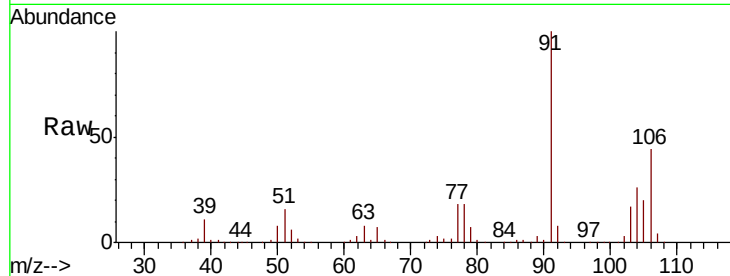




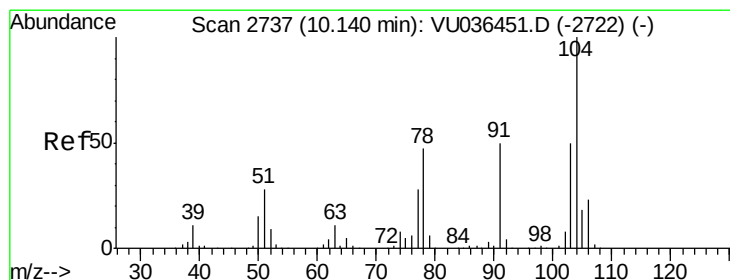
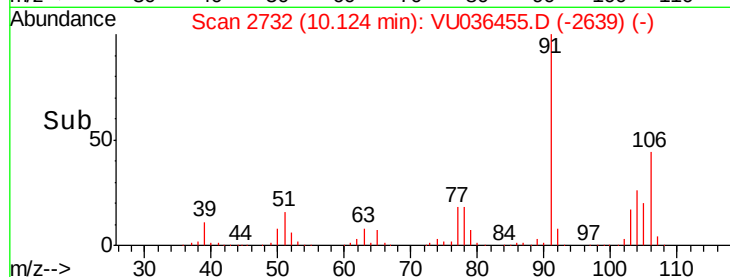
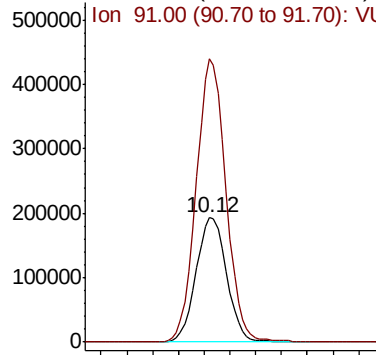
#54
o-xylene
Concen: 49.782 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 318044
Ion Ratio Lower Upper
106 100
91 227.7 156.4 290.4

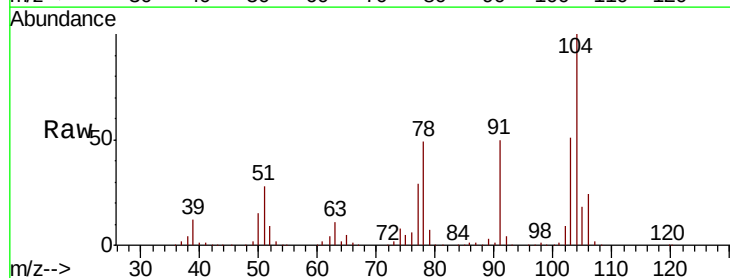


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

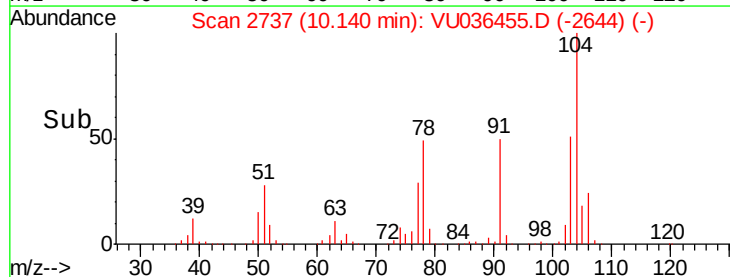
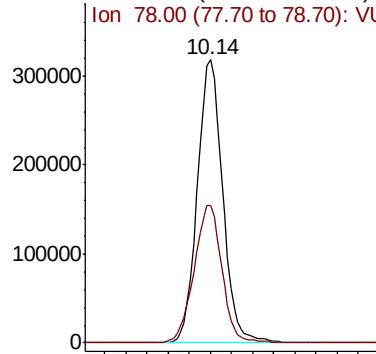


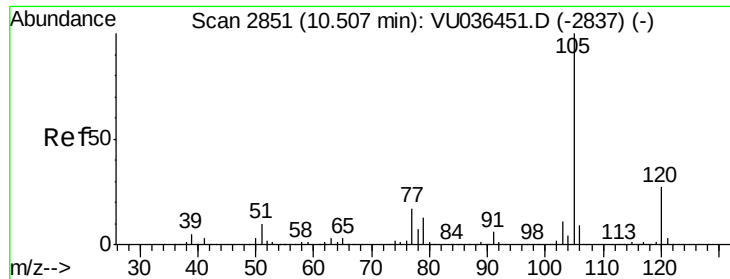
#55
Styrene
Concen: 51.159 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036455.D
Acq: 14 Jan 2020 21:09

Tgt Ion:104 Resp: 530092
Ion Ratio Lower Upper
104 100
78 48.6 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: 51.012 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

Instrument :

MSVOA_U

ClientSampleId :

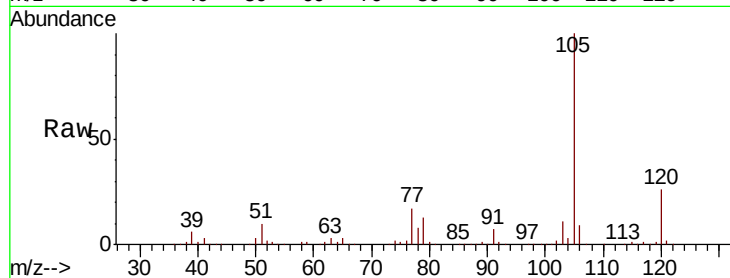
Tot Ion:105 Resp: 836454

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

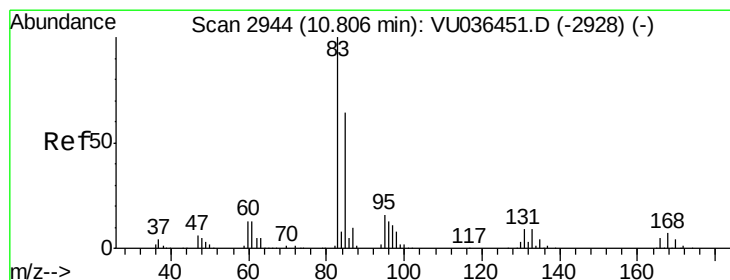
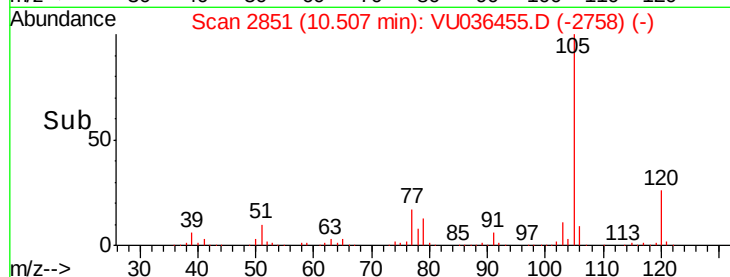
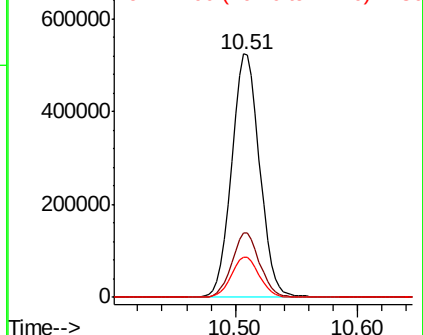
77 16.6 13.4 20.2



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: 48.599 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

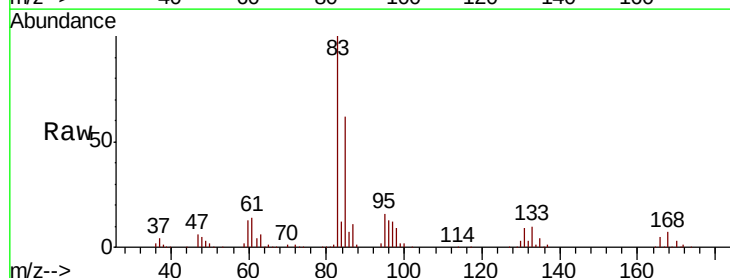
Tgt Ion: 83 Resp: 302023

Ion Ratio Lower Upper

83 100

85 62.3 44.7 82.9

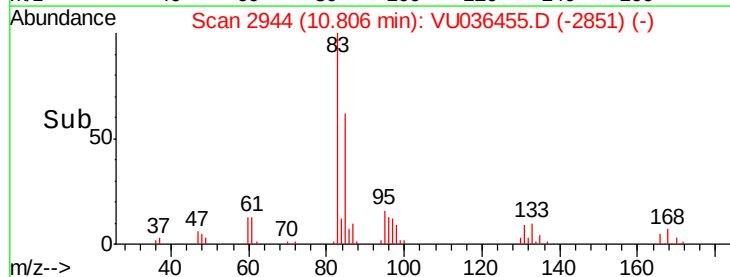
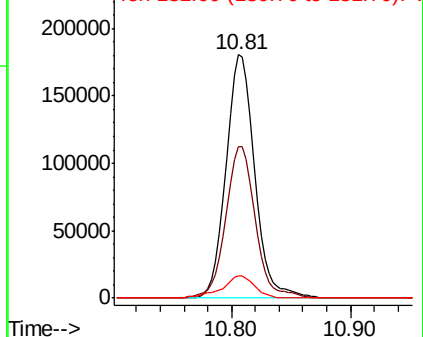
131 9.3 7.0 10.6

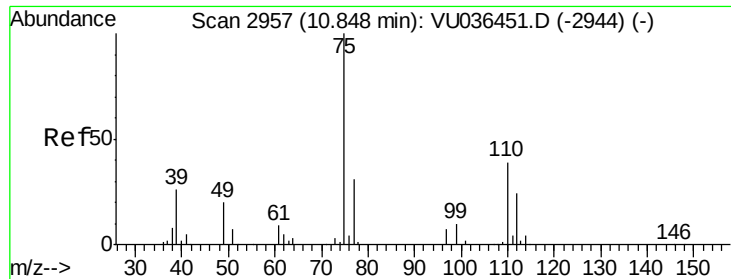


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.333 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

Instrument :

MSVOA_U

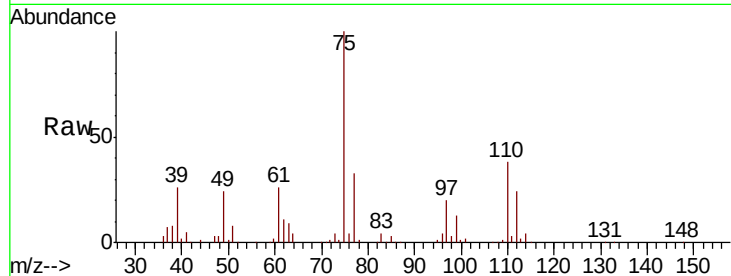
ClientSampleId :

Tot Ion: 75 Resp: 254349

Ion Ratio Lower Upper

75 100

77 33.0 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VU036455.D (-2335) (-)

Ion 77.00 (76.70 to 77.70): VU036455.D (-2335) (-)

10.85

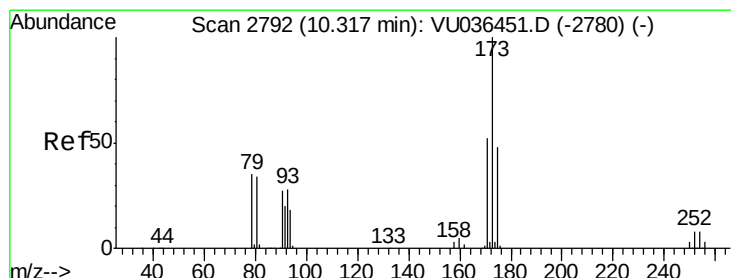
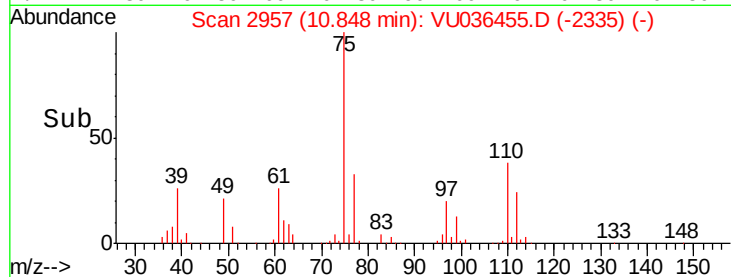
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 49.634 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

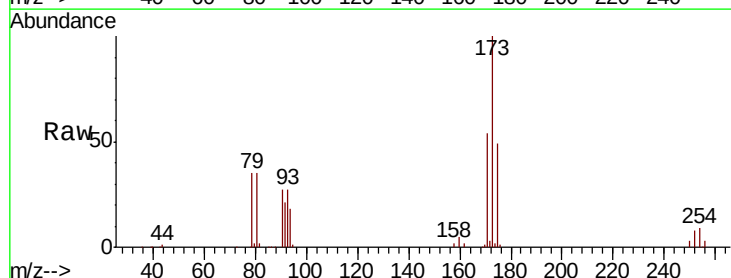
Tgt Ion: 173 Resp: 146534

Ion Ratio Lower Upper

173 100

175 47.6 39.6 59.4

254 8.0 6.3 9.5



Abundance Ion 173.00 (172.70 to 173.70): VU036455.D (-2699) (-)

Ion 175.00 (174.70 to 175.70): VU036455.D (-2699) (-)

Ion 254.00 (253.70 to 254.70): VU036455.D (-2699) (-)

10.32

100000

80000

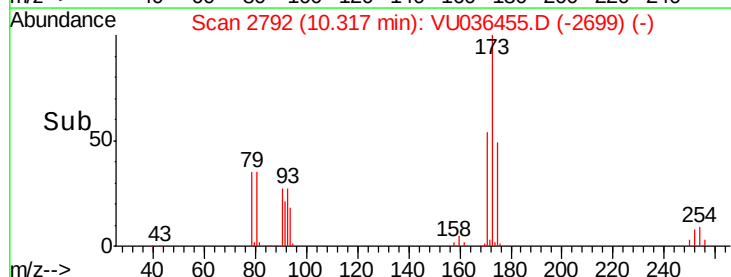
60000

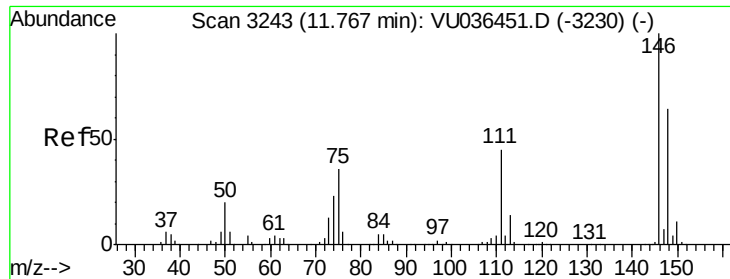
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 52.091 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

Instrument :

MSVOA_U

ClientSampled :

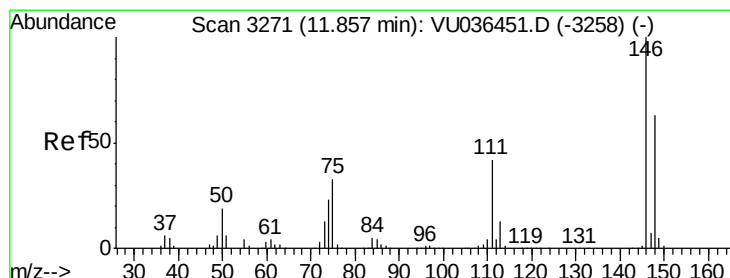
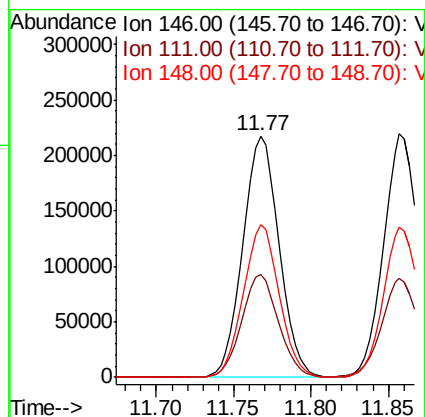
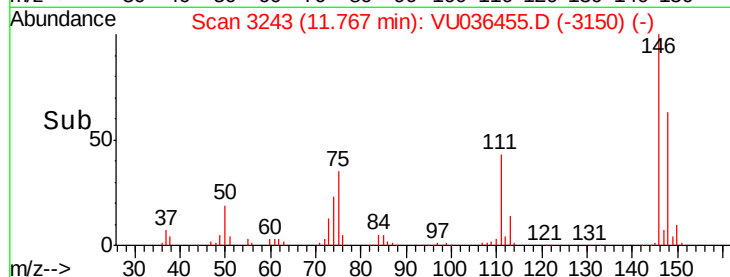
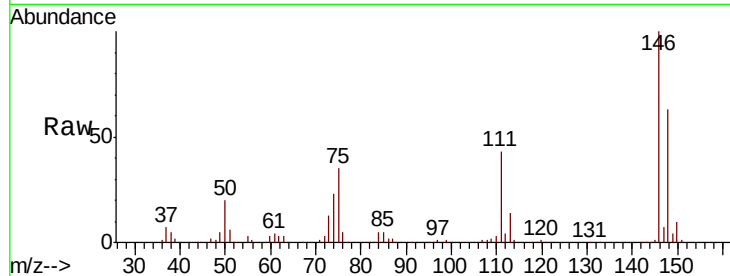
Tot Ion:146 Resp: 355588

Ion Ratio Lower Upper

146 100

111 42.8 31.3 58.1

148 63.2 44.7 82.9



#63

1,4-Dichlorobenzene

Concen: 51.334 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

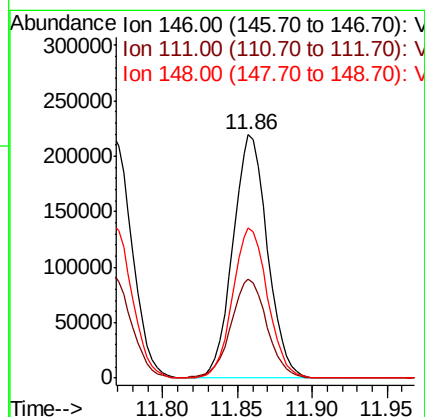
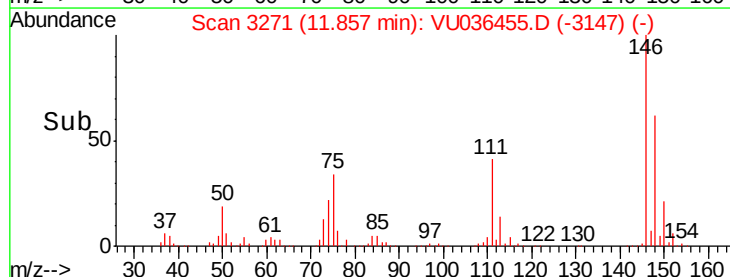
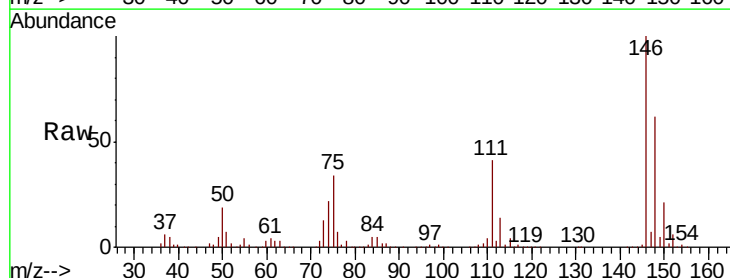
Tgt Ion:146 Resp: 352105

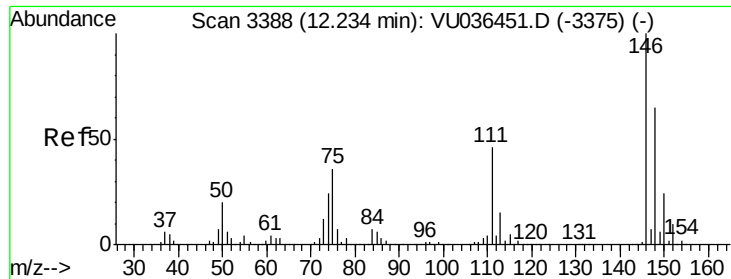
Ion Ratio Lower Upper

146 100

111 40.9 29.3 54.3

148 61.6 43.8 81.3

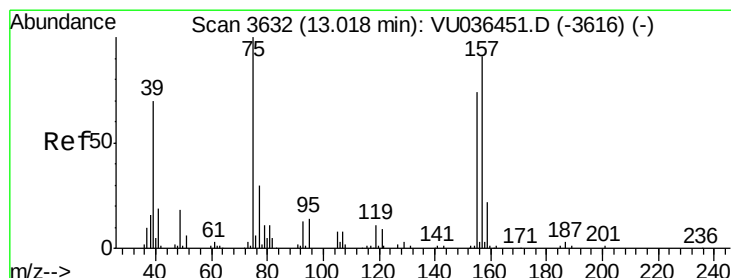
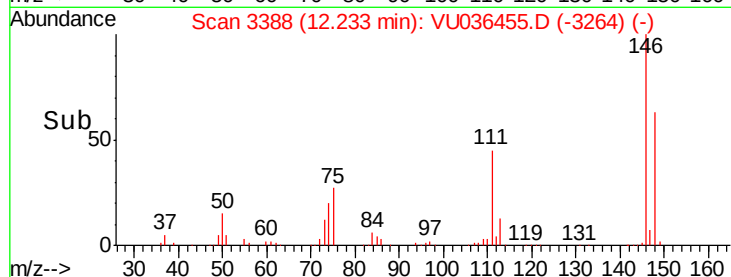
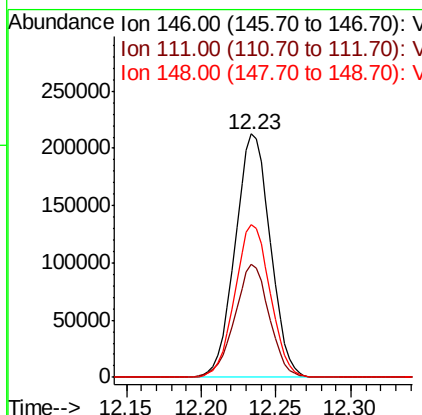
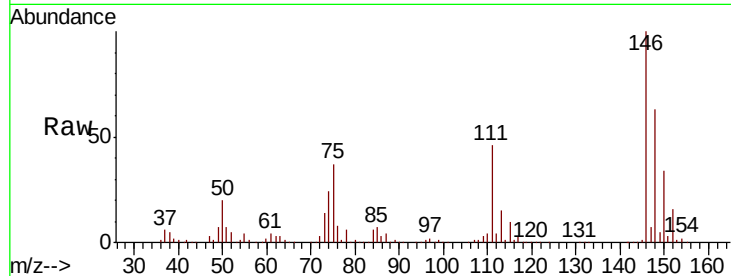




#65
 1,2-Dichlorobenzene
 Concen: 51.634 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036455.D
 Acq: 14 Jan 2020 21:09

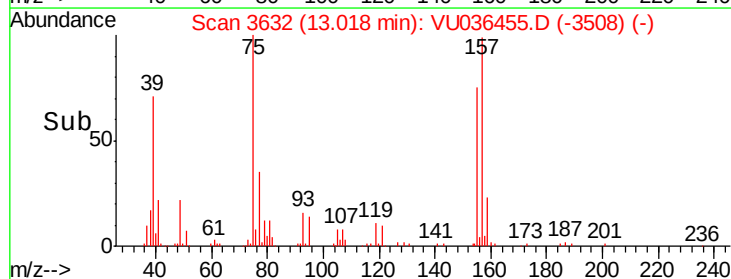
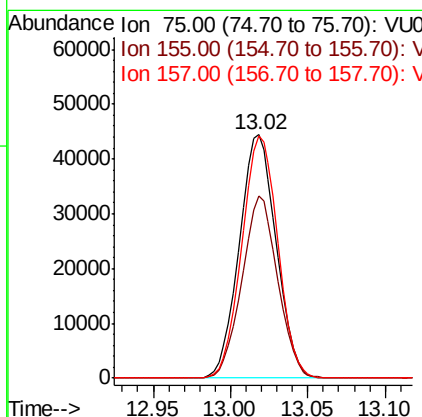
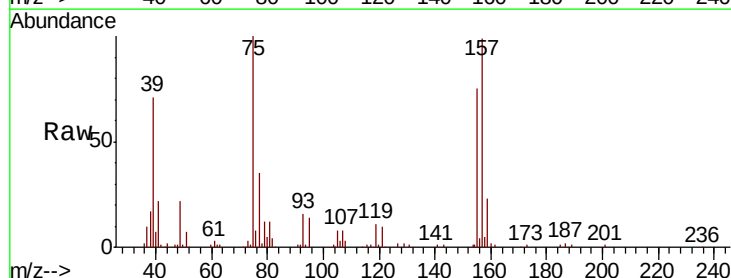
Instrument :
 MSVOA_U
 ClientSampled :

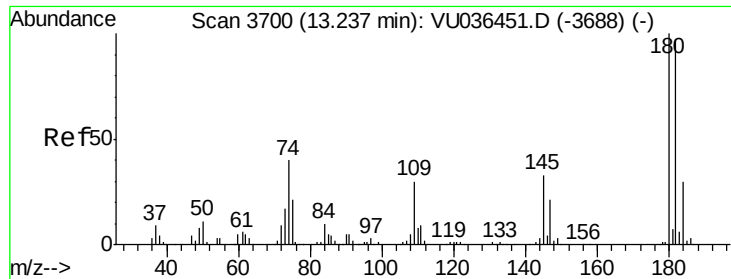
Tot Ion:146 Resp: 347665
 Ion Ratio Lower Upper
 146 100
 111 46.4 37.0 55.4
 148 63.0 52.3 78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.728 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036455.D
 Acq: 14 Jan 2020 21:09

Tgt Ion: 75 Resp: 73632
 Ion Ratio Lower Upper
 75 100
 155 74.6 59.1 88.7
 157 99.3 72.7 109.1

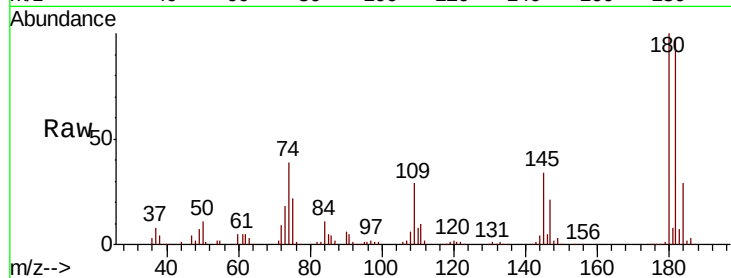




#67
 1,3,5-Trichlorobenzene
 Concen: 52.242 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036455.D
 Acq: 14 Jan 2020 21:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.8	113.6
184	30.0	24.4	36.6
145	33.0	26.6	39.8



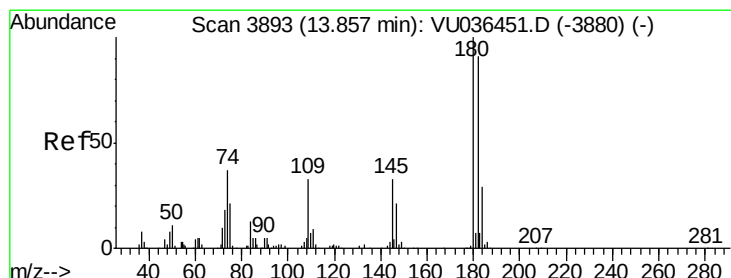
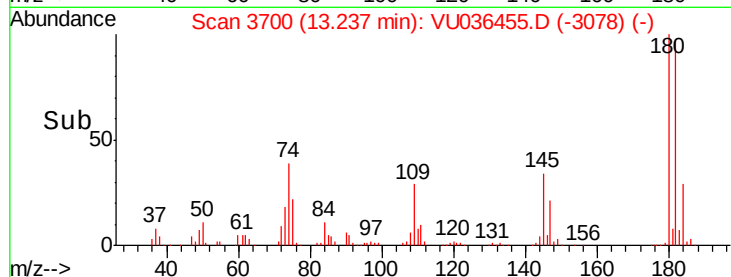
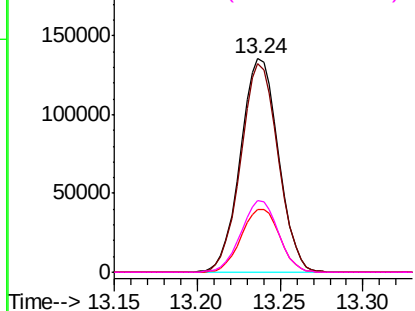
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

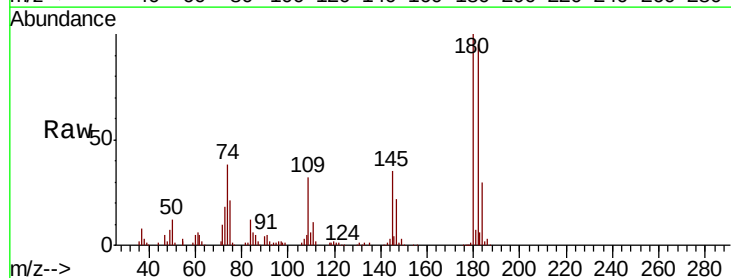
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.620 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036455.D
 Acq: 14 Jan 2020 21:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.1	111.1
145	34.1	26.6	40.0

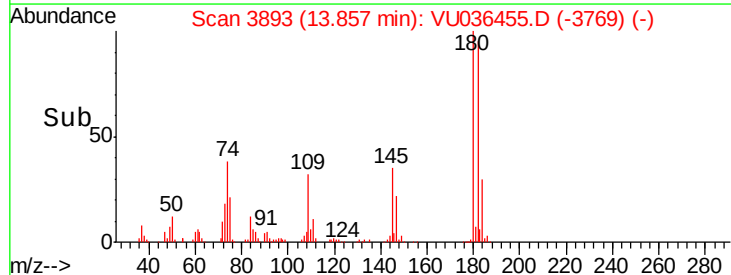
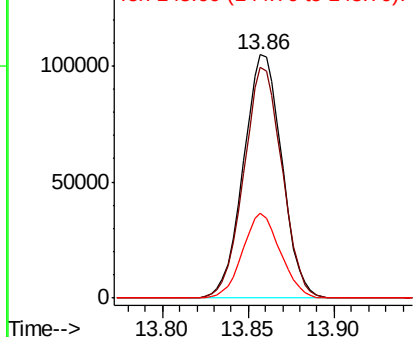


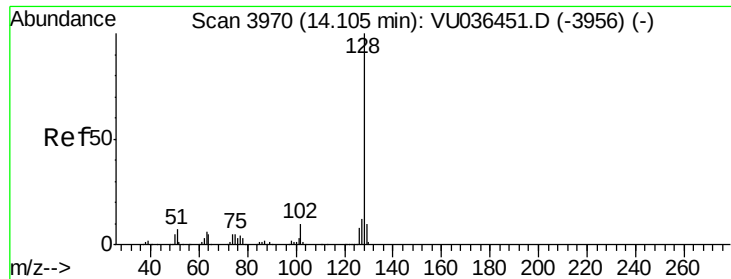
Abundance

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: 55.019 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

Instrument :

MSVOA_U

ClientSampleId :

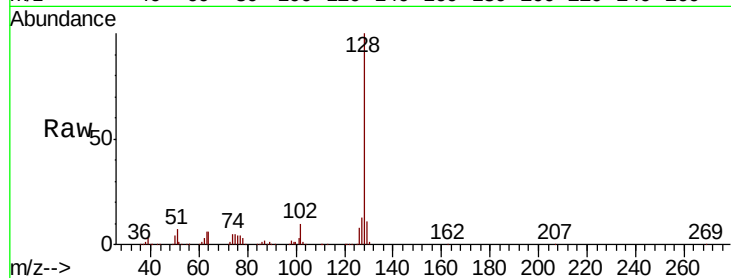
Tot Ion:128 Resp: 565547

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

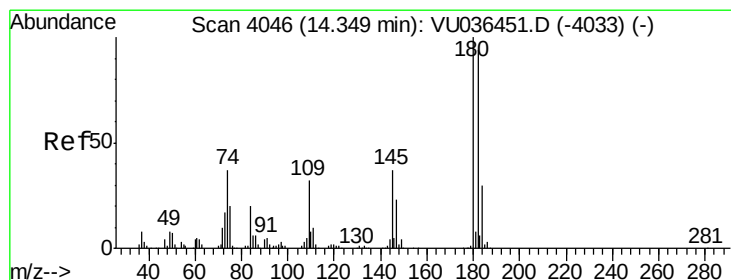
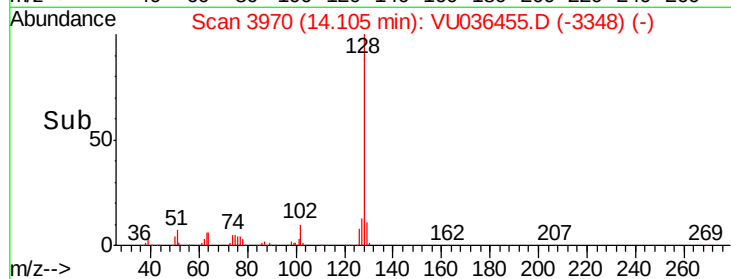
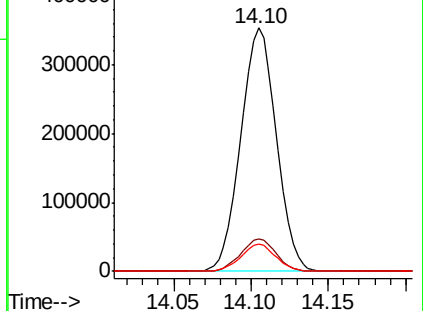
129 11.0 8.6 12.8



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: 53.823 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VU036455.D

Acq: 14 Jan 2020 21:09

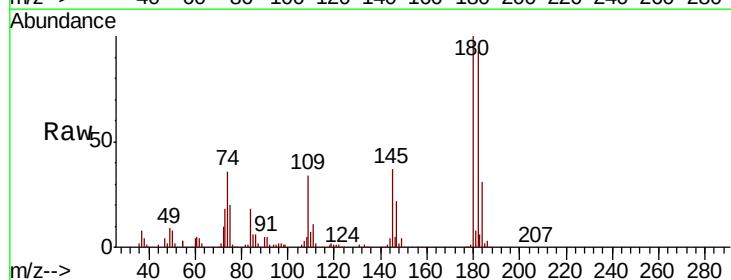
Tgt Ion:180 Resp: 169854

Ion Ratio Lower Upper

180 100

182 93.5 77.1 115.7

145 35.9 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

